

**DATA PACKAGE  
SEMI-VOLATILE ORGANICS**

**PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ**

**JACOBS ENGINEERING GROUP, INC.**

**412 Mt. Kemble Ave**

**Downtown Building**

**Morristown, NJ - 07960**

**Phone No: 9732670555**

**ORDER ID : P3657**

**ATTENTION : Mary I. Murphy**



**Laboratory Certification ID # 20012**



|                                             |     |
|---------------------------------------------|-----|
| 1) SEMI-VOLATILE DATA                       | 2   |
| 2) Signature Page                           | 4   |
| 3) Case Narrative                           | 5   |
| 4) Qualifier Page                           | 7   |
| 5) Conformance/Non Conformance              | 8   |
| 6) QA Checklist                             | 10  |
| 7) Chronicle                                | 11  |
| 8) Hit Summary                              | 12  |
| 9) QC Data Summary For SVOCMS Group6        | 13  |
| 9.1) Deuterated Monitoring Compound Summary | 14  |
| 9.2) LCS/LCSD Summary                       | 15  |
| 9.3) Method Blank Summary                   | 17  |
| 9.4) GS/MS Tune Summary                     | 18  |
| 9.5) Internal Standard Area and RT Summary  | 21  |
| 10) Sample Data                             | 25  |
| 10.1) 917-J-WS-081624                       | 26  |
| 11) Calibration Data Summary                | 36  |
| 11.1) Initial Calibration Data              | 37  |
| 11.1.1) BP081324                            | 37  |
| 11.2) Continued Calibration Data            | 443 |
| 11.2.1) BP021566.D                          | 443 |
| 11.2.2) BP021575.D                          | 500 |
| 12) QC Sample Data                          | 557 |
| 12.1) Tune Raw Data                         | 558 |
| 12.2) Method Blank Data                     | 570 |
| 12.3) LCS Data                              | 580 |
| 12.4) LCSD Data                             | 631 |
| 13) Manual Integration                      | 682 |
| 14) Analytical Runlogs                      | 686 |
| 15) Extraction Logs                         | 692 |
| 15.1) PB162822.pdf                          | 692 |
| 15.2) PB162822IC.pdf                        | 694 |
| 16) Standard Prep Logs                      | 695 |
| 17) Shipping Document                       | 763 |
| 17.1) Chain Of Custody                      | 764 |

Table Of Contents for P3657

17.2) Lab Certificate

769

17.3) Internal COC

770

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |

## Cover Page

**Order ID :** P3657

**Project ID :** Former Schlumberger Site Princeton NJ

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

**Lab Sample Number**

P3657-01  
P3657-02

**Client Sample Number**

917-J-WS-081624  
TB-01-081624

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

Signature :

*N. N. Pandya*

NYDOH CERTIFICATION NO - 11376

**APPROVED**

Date: 8/29/2024

By Nimisha Pandya QA/QC Supervisor at 9:04 am, Sep 06, 2024

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger Site Princeton NJ**

**Project # N/A**

**Chemtech Project # P3657**

**Test Name: SVOCMS Group6**

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

2 Water samples were received on 08/16/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for SVOCMS Group6.

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

The samples were analyzed on instrument BNA\_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group6 was based on method 8270E and extraction was done based on method 3510.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for 917-J-WS-081624 [2,4 and6-Tribromophenol - 119%]. these compound did not meet the NJDKQP criteria but met the in-house criteria, Therefor no corrective action was required.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {PB162822BSD} with File ID: BP021569.D met criteria except for Benzaldehyde[24%], Due to result difference between BS and BSD, therefor no corrective action was required.

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements.

The Continuous Calibration File ID BP021566.D met the requirements except for Pentachlorophenol, Failed high side and a sample does not have hit for this compound, therefor no corrective action was required.

The Continuous Calibration File ID BP021575.D met the requirements except for Pentachlorophenol . Failed high side and samples does not have hit for this compound, Therefor no corrective action was required.  
The Tuning criteria met requirements.

**E. Additional Comments:**

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

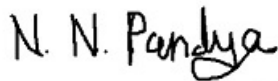
**F. Manual Integration Comments:**

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

---

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

Signature\_\_



**APPROVED**

By Nimisha Pandya QA/QC Supervisor at 9:04 am, Sep 06, 2024

## 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: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| B     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

CHEMTECH PROJECT NUMBER: P3657

MATRIX: Water

METHOD: 8270E/3510

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NA | NO | YES |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |    | ✓   |
| 2. | GC/MS Tuning Specifications. DFTPP Meet Criteria.<br>(NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP,<br>CLP AND NJ)                                                                                                                                                                                                                                                                                                                                                                                    |    |    | ✓   |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for<br>8000 Series.                                                                                                                                                                                                                                                                                                                                                                                                              |    |    | ✓   |
| 4. | GC/MS Calibration - Initial Calibration performed within 30 days before sample<br>analysis and continuing calibration performed within 24 hours of sample analysis for<br>600 series and 12 hours for 8000 series.                                                                                                                                                                                                                                                                                             |    |    | ✓   |
| 5. | GC/MS Calibration Requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | ✓  |     |
|    | <p>The Initial Calibration met the requirements.<br/>The Continuous Calibration File ID BP021566.D met the requirements except for<br/>Pentachlorophenol, Failed high side and samples does not have hit for this compound,<br/>Therefor no corrective action was required.</p> <p>The Continuous Calibration File ID BP021575.D met the requirements except for<br/>Pentachlorophenol . Failed high side and samples does not have hit for this compound,<br/>Therefor no corrective action was required.</p> |    |    |     |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                                                                                                                                                                                                                                                                                                 |    | ✓  |     |
| 7. | Surrogate Recoveries Meet Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    | ✓  |     |
|    | <p>If not met, list those compounds and their recoveries which fall outside the acceptable<br/>ranges.</p> <p>The Surrogate recoveries met the acceptable criteria except for 917-J-WS-081624 [2,4<br/>and 6-Tribromophenol - 119%]. these compound did not meet the NJDKQP criteria but<br/>met the in-house criteria, Therefor no corrective action was required.</p>                                                                                                                                        |    |    |     |

**GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY**

**(CONTINUED)**

|     |                                                                                                                                                                                                                                                                                                          | NA | NO | YES |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|
| 8.  | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria                                                                                                                                                                                                                                             |    |    | ✓   |
|     | If not met, list those compounds and their recoveries which fall outside the acceptable range.                                                                                                                                                                                                           |    |    |     |
|     | The Blank Spike met requirements for all samples .<br>The Blank Spike Duplicate met requirements for all samples .The RPD for {PB162822BSD} with File ID: BP021569.D met criteria except for Benzaldehyde[24%], Due to result difference between BS and BSD, therefor no corrective action was required. |    |    |     |
| 9.  | Internal Standard Area/Retention Time Shift Meet Criteria                                                                                                                                                                                                                                                |    |    | ✓   |
|     | Comments:                                                                                                                                                                                                                                                                                                |    |    |     |
| 10. | Extraction Holding Time Met                                                                                                                                                                                                                                                                              |    |    | ✓   |
|     | If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                |    |    |     |
| 11. | Analysis Holding Time Met                                                                                                                                                                                                                                                                                |    |    | ✓   |
|     | If not met, list number of days exceeded for each sample:                                                                                                                                                                                                                                                |    |    |     |

**ADDITIONAL COMMENTS:**

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

S. M. Jodhani  
QA REVIEW

**REVIEWED**

By Sohil Jodhani, QA/QC Director at 8:47 am, Sep 06, 2024

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: P3657

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 08/29/2024

2nd Level QA Review Signature:

*N. N. Pandya*

**APPROVED**

Date:  
By Nimisha Pandya QA/QC Supervisor at 9:04 am, Sep 06, 2024

LAB CHRONICLE

|          |                                |            |                                       |
|----------|--------------------------------|------------|---------------------------------------|
| OrderID: | P3657                          | OrderDate: | 8/16/2024 2:45:00 PM                  |
| Client:  | JACOBS Engineering Group, Inc. | Project:   | Former Schlumberger Site Princeton NJ |
| Contact: | Mary I. Murphy                 | Location:  | G11,VOA Ref. #3 Water                 |

| LabID    | ClientID        | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| P3657-01 | 917-J-WS-081624 | Water  | SVOCMS Group6 | 8270E  | 08/16/24    | 08/19/24  | 08/21/24  | 08/16/24 |



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

### Hit Summary Sheet SW-846

**SDG No.:** P3657  
**Client:** JACOBS Engineering Group, Inc.

| Sample ID            | Client ID | Matrix | Parameter | Concentration | C    | MDL | RDL | Units |
|----------------------|-----------|--------|-----------|---------------|------|-----|-----|-------|
| Client ID :          |           |        |           | 0.000         |      |     |     |       |
| Total Svoc :         |           |        |           |               | 0.00 |     |     |       |
| Total Concentration: |           |        |           |               | 0.00 |     |     |       |





# QC SUMMARY

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

## Surrogate Summary

SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

| Lab Sample ID | Client ID       | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-----------------|----------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                 |                      |             |              |              |      | Low        | High      |
| P3657-01      | 917-J-WS-081624 | 2-Fluorophenol       | 150         | 52.1         | 35           |      | 15 (10)    | 110 (139) |
|               |                 | Phenol-d6            | 150         | 32.9         | 22           |      | 15 (10)    | 110 (134) |
|               |                 | Nitrobenzene-d5      | 100         | 82.0         | 82           |      | 30 (49)    | 130 (133) |
|               |                 | 2-Fluorobiphenyl     | 100         | 76.3         | 76           |      | 30 (52)    | 130 (132) |
|               |                 | 2,4,6-Tribromophenol | 150         | 179          | 119          | *    | 15 (44)    | 110 (137) |
|               |                 | Terphenyl-d14        | 100         | 96.0         | 96           |      | 30 (48)    | 130 (125) |
| PB162822BL    | PB162822BL      | 2-Fluorophenol       | 150         | 130          | 87           |      | 15 (10)    | 110 (139) |
|               |                 | Phenol-d6            | 150         | 120          | 80           |      | 15 (10)    | 110 (134) |
|               |                 | Nitrobenzene-d5      | 100         | 90.5         | 91           |      | 30 (49)    | 130 (133) |
|               |                 | 2-Fluorobiphenyl     | 100         | 78.7         | 79           |      | 30 (52)    | 130 (132) |
|               |                 | 2,4,6-Tribromophenol | 150         | 158          | 105          |      | 15 (44)    | 110 (137) |
|               |                 | Terphenyl-d14        | 100         | 82.4         | 82           |      | 30 (48)    | 130 (125) |
| PB162822BS    | PB162822BS      | 2-Fluorophenol       | 150         | 139          | 93           |      | 15 (10)    | 110 (139) |
|               |                 | Phenol-d6            | 150         | 131          | 87           |      | 15 (10)    | 110 (134) |
|               |                 | Nitrobenzene-d5      | 100         | 93.7         | 94           |      | 30 (49)    | 130 (133) |
|               |                 | 2-Fluorobiphenyl     | 100         | 79.6         | 80           |      | 30 (52)    | 130 (132) |
|               |                 | 2,4,6-Tribromophenol | 150         | 157          | 105          |      | 15 (44)    | 110 (137) |
|               |                 | Terphenyl-d14        | 100         | 85.2         | 85           |      | 30 (48)    | 130 (125) |
| PB162822BSD   | PB162822BSD     | 2-Fluorophenol       | 150         | 137          | 91           |      | 15 (10)    | 110 (139) |
|               |                 | Phenol-d6            | 150         | 128          | 85           |      | 15 (10)    | 110 (134) |
|               |                 | Nitrobenzene-d5      | 100         | 93.0         | 93           |      | 30 (49)    | 130 (133) |
|               |                 | 2-Fluorobiphenyl     | 100         | 80.2         | 80           |      | 30 (52)    | 130 (132) |
|               |                 | 2,4,6-Tribromophenol | 150         | 154          | 103          |      | 15 (44)    | 110 (137) |
|               |                 | Terphenyl-d14        | 100         | 88.7         | 89           |      | 30 (48)    | 130 (125) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BP021568.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | Qual | RPD  |  | Limits  |           | RPD |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--|---------|-----------|-----|
|               |                            |       |        |      |     |     |      | Qual |  | Low     | High      |     |
| PB162822BS    | Pyridine                   | 50    | 28.7   | ug/L | 57  |     |      |      |  | 20 (29) | 160 (97)  |     |
|               | Benzaldehyde               | 50    | 16.8   | ug/L | 34  |     |      |      |  | 20 (10) | 160 (162) |     |
|               | 2-Methylphenol             | 50    | 49.7   | ug/L | 99  |     |      |      |  | 70 (69) | 130 (109) |     |
|               | Acetophenone               | 50    | 39.8   | ug/L | 80  |     |      |      |  | 70 (60) | 130 (104) |     |
|               | 3+4-Methylphenols          | 50    | 51.5   | ug/L | 103 |     |      |      |  | 20 (67) | 160 (106) |     |
|               | Nitrobenzene               | 50    | 44.7   | ug/L | 89  |     |      |      |  | 70 (58) | 130 (106) |     |
|               | 2,4-Dichlorophenol         | 50    | 56.0   | ug/L | 112 |     |      |      |  | 70 (66) | 130 (115) |     |
|               | Naphthalene                | 50    | 43.9   | ug/L | 88  |     |      |      |  | 70 (64) | 130 (107) |     |
|               | Hexachlorobutadiene        | 50    | 41.5   | ug/L | 83  |     |      |      |  | 70 (69) | 130 (101) |     |
|               | 2-Methylnaphthalene        | 50    | 44.8   | ug/L | 90  |     |      |      |  | 70 (64) | 130 (107) |     |
|               | 2,4,6-Trichlorophenol      | 50    | 57.1   | ug/L | 114 |     |      |      |  | 70 (61) | 130 (110) |     |
|               | 2,4,5-Trichlorophenol      | 50    | 55.3   | ug/L | 111 |     |      |      |  | 70 (70) | 130 (106) |     |
|               | Acenaphthylene             | 50    | 48.9   | ug/L | 98  |     |      |      |  | 70 (79) | 130 (103) |     |
|               | Acenaphthene               | 50    | 51.6   | ug/L | 103 |     |      |      |  | 70 (59) | 130 (113) |     |
|               | Dibenzofuran               | 50    | 45.7   | ug/L | 91  |     |      |      |  | 70 (65) | 130 (106) |     |
|               | Fluorene                   | 50    | 43.7   | ug/L | 87  |     |      |      |  | 70 (64) | 130 (107) |     |
|               | Hexachlorobenzene          | 50    | 44.5   | ug/L | 89  |     |      |      |  | 70 (73) | 130 (106) |     |
|               | Pentachlorophenol          | 100   | 110    | ug/L | 110 |     |      |      |  | 20 (47) | 160 (114) |     |
|               | Phenanthrene               | 50    | 46.6   | ug/L | 93  |     |      |      |  | 70 (62) | 130 (109) |     |
|               | Carbazole                  | 50    | 47.8   | ug/L | 96  |     |      |      |  | 70 (62) | 130 (106) |     |
|               | Di-n-butylphthalate        | 50    | 48.4   | ug/L | 97  |     |      |      |  | 70 (64) | 130 (106) |     |
|               | Fluoranthene               | 50    | 46.1   | ug/L | 92  |     |      |      |  | 70 (64) | 130 (110) |     |
|               | Pyrene                     | 50    | 48.5   | ug/L | 97  |     |      |      |  | 70 (71) | 130 (103) |     |
|               | Benzo(a)anthracene         | 50    | 47.9   | ug/L | 96  |     |      |      |  | 70 (62) | 130 (107) |     |
|               | Chrysene                   | 50    | 48.0   | ug/L | 96  |     |      |      |  | 70 (61) | 130 (108) |     |
|               | bis(2-Ethylhexyl)phthalate | 50    | 54.2   | ug/L | 108 |     |      |      |  | 70 (59) | 130 (110) |     |
|               | Benzo(b)fluoranthene       | 50    | 51.7   | ug/L | 103 |     |      |      |  | 70 (77) | 130 (113) |     |
|               | Benzo(k)fluoranthene       | 50    | 50.4   | ug/L | 101 |     |      |      |  | 70 (77) | 130 (105) |     |
|               | Benzo(a)pyrene             | 50    | 54.3   | ug/L | 109 |     |      |      |  | 70 (72) | 130 (131) |     |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 54.2   | ug/L | 108 |     |      |      |  | 70 (72) | 130 (105) |     |
|               | Dibenz(a,h)anthracene      | 50    | 53.3   | ug/L | 107 |     |      |      |  | 70 (78) | 130 (115) |     |
|               | Benzo(g,h,i)perylene       | 50    | 51.4   | ug/L | 103 |     |      |      |  | 70 (75) | 130 (118) |     |
|               | 1,4-Dioxane                | 50    | 28.5   | ug/L | 57  |     |      |      |  | 20 (38) | 160 (125) |     |
|               | 1-Methylnaphthalene        | 50    | 42.7   | ug/L | 85  |     |      |      |  | 70 (51) | 130 (114) |     |

( ) = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

DataFile: BP021569.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits  |           | RPD     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|---------|-----------|---------|
|               |                            |       |        |      |     |     | Qual | Qual | Low     | High      |         |
| PB162822BSD   | Pyridine                   | 50    | 28.8   | ug/L | 58  | 0   |      |      | 20 (29) | 160 (97)  | 20 (20) |
|               | Benzaldehyde               | 50    | 21.4   | ug/L | 43  | 24  | *    |      | 20 (10) | 160 (162) | 20 (20) |
|               | 2-Methylphenol             | 50    | 48.7   | ug/L | 97  | 2   |      |      | 70 (69) | 130 (109) | 20 (20) |
|               | Acetophenone               | 50    | 39.6   | ug/L | 79  | 1   |      |      | 70 (60) | 130 (104) | 20 (20) |
|               | 3+4-Methylphenols          | 50    | 50.1   | ug/L | 100 | 3   |      |      | 20 (67) | 160 (106) | 20 (20) |
|               | Nitrobenzene               | 50    | 44.7   | ug/L | 89  | 0   |      |      | 70 (58) | 130 (106) | 20 (20) |
|               | 2,4-Dichlorophenol         | 50    | 55.0   | ug/L | 110 | 2   |      |      | 70 (66) | 130 (115) | 20 (20) |
|               | Naphthalene                | 50    | 43.7   | ug/L | 87  | 0   |      |      | 70 (64) | 130 (107) | 20 (20) |
|               | Hexachlorobutadiene        | 50    | 41.6   | ug/L | 83  | 0   |      |      | 70 (69) | 130 (101) | 20 (20) |
|               | 2-Methylnaphthalene        | 50    | 44.2   | ug/L | 88  | 1   |      |      | 70 (64) | 130 (107) | 20 (20) |
|               | 2,4,6-Trichlorophenol      | 50    | 57.4   | ug/L | 115 | 1   |      |      | 70 (61) | 130 (110) | 20 (20) |
|               | 2,4,5-Trichlorophenol      | 50    | 55.2   | ug/L | 110 | 0   |      |      | 70 (70) | 130 (106) | 20 (20) |
|               | Acenaphthylene             | 50    | 49.4   | ug/L | 99  | 1   |      |      | 70 (79) | 130 (103) | 20 (20) |
|               | Acenaphthene               | 50    | 51.4   | ug/L | 103 | 0   |      |      | 70 (59) | 130 (113) | 20 (20) |
|               | Dibenzofuran               | 50    | 46.3   | ug/L | 93  | 1   |      |      | 70 (65) | 130 (106) | 20 (20) |
|               | Fluorene                   | 50    | 43.6   | ug/L | 87  | 0   |      |      | 70 (64) | 130 (107) | 20 (20) |
|               | Hexachlorobenzene          | 50    | 45.0   | ug/L | 90  | 1   |      |      | 70 (73) | 130 (106) | 20 (20) |
|               | Pentachlorophenol          | 100   | 110    | ug/L | 110 | 0   |      |      | 20 (47) | 160 (114) | 20 (20) |
|               | Phenanthrene               | 50    | 47.6   | ug/L | 95  | 2   |      |      | 70 (62) | 130 (109) | 20 (20) |
|               | Carbazole                  | 50    | 48.9   | ug/L | 98  | 2   |      |      | 70 (62) | 130 (106) | 20 (20) |
|               | Di-n-butylphthalate        | 50    | 48.1   | ug/L | 96  | 1   |      |      | 70 (64) | 130 (106) | 20 (20) |
|               | Fluoranthene               | 50    | 46.4   | ug/L | 93  | 1   |      |      | 70 (64) | 130 (110) | 20 (20) |
|               | Pyrene                     | 50    | 48.0   | ug/L | 96  | 1   |      |      | 70 (71) | 130 (103) | 20 (20) |
|               | Benzo(a)anthracene         | 50    | 48.7   | ug/L | 97  | 2   |      |      | 70 (62) | 130 (107) | 20 (20) |
|               | Chrysene                   | 50    | 48.8   | ug/L | 98  | 2   |      |      | 70 (61) | 130 (108) | 20 (20) |
|               | bis(2-Ethylhexyl)phthalate | 50    | 53.5   | ug/L | 107 | 1   |      |      | 70 (59) | 130 (110) | 20 (20) |
|               | Benzo(b)fluoranthene       | 50    | 49.6   | ug/L | 99  | 4   |      |      | 70 (77) | 130 (113) | 20 (20) |
|               | Benzo(k)fluoranthene       | 50    | 51.0   | ug/L | 102 | 1   |      |      | 70 (77) | 130 (105) | 20 (20) |
|               | Benzo(a)pyrene             | 50    | 54.0   | ug/L | 108 | 1   |      |      | 70 (72) | 130 (131) | 20 (20) |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 53.9   | ug/L | 108 | 1   |      |      | 70 (72) | 130 (105) | 20 (20) |
|               | Dibenz(a,h)anthracene      | 50    | 53.3   | ug/L | 107 | 0   |      |      | 70 (78) | 130 (115) | 20 (20) |
|               | Benzo(g,h,i)perylene       | 50    | 50.9   | ug/L | 102 | 1   |      |      | 70 (75) | 130 (118) | 20 (20) |
|               | 1,4-Dioxane                | 50    | 28.8   | ug/L | 58  | 1   |      |      | 20 (38) | 160 (125) | 20 (20) |
|               | 1-Methylnaphthalene        | 50    | 42.0   | ug/L | 84  | 2   |      |      | 70 (51) | 130 (114) | 20 (20) |

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162822BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: P3657

SAS No.: P3657 SDG NO.: P3657

Lab File ID: BP021567.D

Lab Sample ID: PB162822BL

Instrument ID: BNA\_P

Date Extracted: 08/19/2024

Matrix: (soil/water) Water

Date Analyzed: 08/20/2024

Level: (low/med) LOW

Time Analyzed: 10:49

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 |
|-------------------|------------------|----------------|------------------|
| PB162822BS        | PB162822BS       | BP021568.D     | 08/20/2024       |
| PB162822BSD       | PB162822BSD      | BP021569.D     | 08/20/2024       |
| 917-J-WS-081624   | P3657-01         | BP021589.D     | 08/21/2024       |

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



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3657 SDG NO.: P3657Lab File ID: BP021480.DDFTPP Injection Date: 08/13/2024Instrument ID: BNA\_PDFTPP Injection Time: 11:49

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 30.1                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.5 ) 1        |
| 69  | Mass 69 relative abundance         | 40.6                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 43.9                 |
| 197 | Less than 2.0% of mass 198         | 0.5                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.5                 |
| 365 | Greater than 1% of mass 198        | 3.5                  |
| 441 | Present, but less than mass 443    | 15                   |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 18.7 (19.3) 2        |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BP021481.D     | 08/13/2024       | 12:32            |
| SSTDICC005        | SSTDICC005       | BP021482.D     | 08/13/2024       | 13:15            |
| SSTDICC010        | SSTDICC010       | BP021483.D     | 08/13/2024       | 13:59            |
| SSTDICC020        | SSTDICC020       | BP021484.D     | 08/13/2024       | 14:42            |
| SSTDICCC040       | SSTDICCC040      | BP021485.D     | 08/13/2024       | 15:26            |
| SSTDICC050        | SSTDICC050       | BP021486.D     | 08/13/2024       | 16:09            |
| SSTDICC060        | SSTDICC060       | BP021487.D     | 08/13/2024       | 16:53            |
| SSTDICC080        | SSTDICC080       | BP021488.D     | 08/13/2024       | 17:36            |



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JACO05Lab Code: CHEMSAS No.: P3657 SDG NO.: P3657Lab File ID: BP021565.DDFTPP Injection Date: 08/20/2024Instrument ID: BNA\_PDFTPP Injection Time: 09:25

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 29.2                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.6 ) 1        |
| 69  | Mass 69 relative abundance         | 36.7                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 44.9                 |
| 197 | Less than 2.0% of mass 198         | 0.5                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.9                 |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 14.4                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 18.2 (19.1) 2        |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BP021566.D     | 08/20/2024       | 10:07            |
| PB162822BL        | PB162822BL       | BP021567.D     | 08/20/2024       | 10:49            |
| PB162822BS        | PB162822BS       | BP021568.D     | 08/20/2024       | 11:31            |
| PB162822BSD       | PB162822BSD      | BP021569.D     | 08/20/2024       | 12:13            |



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JACO05Lab Code: CHEMSAS No.: P3657 SDG NO.: P3657Lab File ID: BP021574.DDFTPP Injection Date: 08/20/2024Instrument ID: BNA\_PDFTPP Injection Time: 15:57

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 28.5                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.6 ) 1        |
| 69  | Mass 69 relative abundance         | 36.5                 |
| 70  | Less than 2.0% of mass 69          | 0.1 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 44.3                 |
| 197 | Less than 2.0% of mass 198         | 0.3                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 30.1                 |
| 365 | Greater than 1% of mass 198        | 4                    |
| 441 | Present, but less than mass 443    | 15.2                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 18.8 (19.1) 2        |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BP021575.D     | 08/20/2024       | 16:40            |
| 917-J-WS-081624   | P3657-01         | BP021589.D     | 08/21/2024       | 02:44            |



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021566.D Time Analyzed: 10:07

Instrument ID: BNA\_P 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    | 357434              | 7.805 | 1454010             | 10.59  | 971251              | 14.45  |
| UPPER LIMIT    | 714868              | 8.305 | 2908020             | 11.093 | 1942500             | 14.951 |
| LOWER LIMIT    | 178717              | 7.305 | 727005              | 10.093 | 485626              | 13.951 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB162822BL  | 385209              | 7.81  | 1560540             | 10.59  | 1021930             | 14.45  |
| 02 PB162822BS  | 494651              | 7.81  | 2073180             | 10.60  | 1389380             | 14.45  |
| 03 PB162822BSD | 491039              | 7.81  | 2018200             | 10.59  | 1318740             | 14.46  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
IS2 (NPT) = Naphthalene-d8  
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021566.D Time Analyzed: 10:07

Instrument ID: BNA\_P 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    | 2102940             | 17.263 | 2067040             | 21.727 | 2510090             | 25.174 |
| UPPER LIMIT    | 4205880             | 17.763 | 4134080             | 22.227 | 5020180             | 25.674 |
| LOWER LIMIT    | 1051470             | 16.763 | 1033520             | 21.227 | 1255050             | 24.674 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB162822BL  | 2408800             | 17.26  | 2576180             | 21.72  | 2892860             | 25.18  |
| 02 PB162822BS  | 3038380             | 17.26  | 2684400             | 21.73  | 2880700             | 25.17  |
| 03 PB162822BSD | 2796130             | 17.27  | 2515500             | 21.74  | 2791670             | 25.19  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021575.D Time Analyzed: 16:40

Instrument ID: BNA\_P 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        | 372530              | 7.805 | 1563750             | 10.59  | 1068850             | 14.46  |
| UPPER LIMIT        | 745060              | 8.305 | 3127500             | 11.093 | 2137700             | 14.963 |
| LOWER LIMIT        | 186265              | 7.305 | 781875              | 10.093 | 534425              | 13.963 |
| EPA SAMPLE NO.     |                     |       |                     |        |                     |        |
| 01 917-J-WS-081624 | 352980              | 7.81  | 1458860             | 10.60  | 956855              | 14.46  |

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021575.D Time Analyzed: 16:40

Instrument ID: BNA\_P 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        | 2403930             | 17.275 | 2426350             | 21.739 | 2940310             | 25.18 |
| UPPER LIMIT        | 4807860             | 17.775 | 4852700             | 22.239 | 5880620             | 25.68 |
| LOWER LIMIT        | 1201970             | 16.775 | 1213180             | 21.239 | 1470160             | 24.68 |
| EPA SAMPLE NO.     |                     |        |                     |        |                     |       |
| 01 917-J-WS-081624 | 2099850             | 17.27  | 1963860             | 21.73  | 2261180             | 25.17 |

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

### Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: | 08/16/24      |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  | 08/16/24      |
| Client Sample ID:  | 917-J-WS-081624                       | SDG No.:        | P3657         |
| Lab Sample ID:     | P3657-01                              | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 960 Units: mL                         | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021589.D        | 1         | 08/19/24 09:40 | 08/21/24 02:44 | PB162822      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |            |       |
| 110-86-1       | Pyridine                   | 1.60  | U         | 1.60 | 5.20       | ug/L  |
| 100-52-7       | Benzaldehyde               | 4.20  | U         | 4.20 | 10.4       | ug/L  |
| 95-48-7        | 2-Methylphenol             | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 98-86-2        | Acetophenone               | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols          | 1.20  | U         | 1.20 | 10.4       | ug/L  |
| 98-95-3        | Nitrobenzene               | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol         | 0.92  | U         | 0.92 | 5.20       | ug/L  |
| 91-20-3        | Naphthalene                | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol      | 0.93  | U         | 0.93 | 5.20       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol      | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 208-96-8       | Acenaphthylene             | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 83-32-9        | Acenaphthene               | 0.84  | U         | 0.84 | 5.20       | ug/L  |
| 132-64-9       | Dibenzofuran               | 0.97  | U         | 0.97 | 5.20       | ug/L  |
| 86-73-7        | Fluorene                   | 1.00  | U         | 1.00 | 5.20       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 1.90  | U         | 1.90 | 10.4       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.93  | U         | 0.93 | 5.20       | ug/L  |
| 86-74-8        | Carbazole                  | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 84-74-2        | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 5.20       | ug/L  |
| 206-44-0       | Fluoranthene               | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 129-00-0       | Pyrene                     | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.98  | U         | 0.98 | 5.20       | ug/L  |
| 218-01-9       | Chrysene                   | 0.90  | U         | 0.90 | 5.20       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 2.00  | U         | 2.00 | 5.20       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 1.70  | U         | 1.70 | 5.20       | ug/L  |

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: | 08/16/24      |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  | 08/16/24      |
| Client Sample ID:  | 917-J-WS-081624                       | SDG No.:        | P3657         |
| Lab Sample ID:     | P3657-01                              | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 960      Units:    mL                 | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted :    N                       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0                   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021589.D        | 1         | 08/19/24 09:40 | 08/21/24 02:44 | PB162822      |

| CAS Number | Parameter              | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|------------------------|-------|-----------|------|------------|-------|
| 193-39-5   | Indeno(1,2,3-cd)pyrene | 1.10  | U         | 1.10 | 5.20       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene   | 1.20  | U         | 1.20 | 5.20       | ug/L  |
| 123-91-1   | 1,4-Dioxane            | 1.30  | U         | 1.30 | 5.20       | ug/L  |
| 90-12-0    | 1-Methylnaphthalene    | 0.90  | U         | 0.90 | 5.20       | ug/L  |

### SURROGATES

|            |                      |      |   |                     |      |          |
|------------|----------------------|------|---|---------------------|------|----------|
| 367-12-4   | 2-Fluorophenol       | 52.1 |   | 15 (10) - 110 (139) | 35%  | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 32.9 |   | 15 (10) - 110 (134) | 22%  | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 82.0 |   | 30 (49) - 130 (133) | 82%  | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 76.3 |   | 30 (52) - 130 (132) | 76%  | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 179  | * | 15 (44) - 110 (137) | 119% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 96.0 |   | 30 (48) - 130 (125) | 96%  | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 353000  | 7.805  |
| 1146-65-2  | Naphthalene-d8         | 1460000 | 10.599 |
| 15067-26-2 | Acenaphthene-d10       | 957000  | 14.457 |
| 1517-22-2  | Phenanthrene-d10       | 2100000 | 17.269 |
| 1719-03-5  | Chrysene-d12           | 1960000 | 21.727 |
| 1520-96-3  | Perylene-d12           | 2260000 | 25.168 |

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\_P\Data\BP082024\  
Data File : BP021589.D  
Acq On : 21 Aug 2024 02:44  
Operator : RC/JU  
Sample : P3657-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
917-J-WS-081624

Quant Time: Aug 21 05:40:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.805  | 152  | 352980   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.599 | 136  | 1458861  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.457 | 164  | 956855   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.269 | 188  | 2099848  | 20.000  | ng    | 0.02     |
| 76) Chrysene-d12            | 21.727 | 240  | 1963856  | 20.000  | ng    | 0.03     |
| 86) Perylene-d12            | 25.168 | 264  | 2261178  | 20.000  | ng    | 0.06     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.405  | 112  | 1238318  | 52.092  | ng    | 0.01     |
| 7) Phenol-d6                | 6.969  | 99   | 1142521  | 32.947  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.952  | 82   | 2318497  | 82.029  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.981 | 330  | 1906699  | 179.043 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl        | 13.069 | 172  | 4784620  | 76.313  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.992 | 244  | 9705536  | 96.011  | ng    | 0.02     |

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

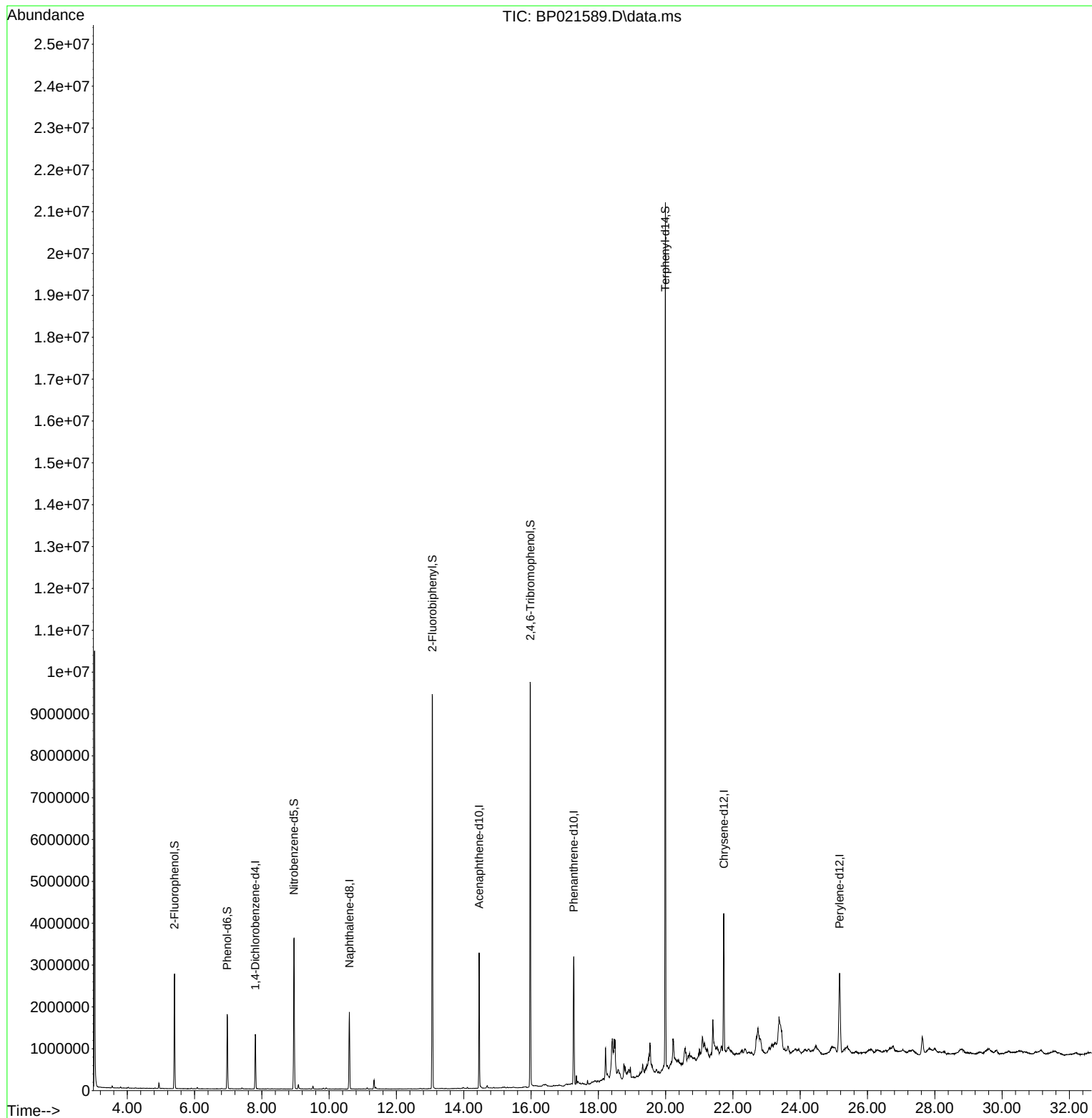
(#) = qualifier out of range (m) = manual integration (+) = signals summed

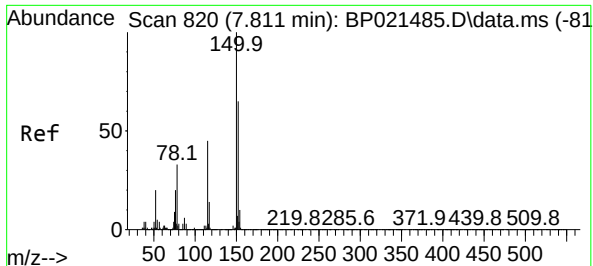


Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021589.D  
Acq On : 21 Aug 2024 02:44  
Operator : RC/JU  
Sample : P3657-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
917-J-WS-081624

Quant Time: Aug 21 05:40:51 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

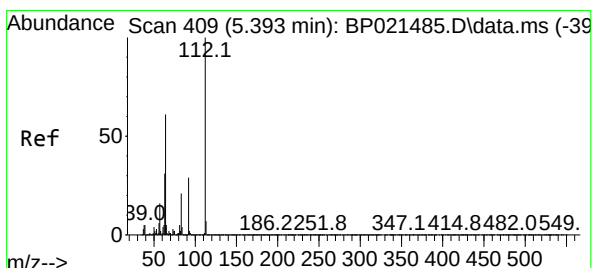
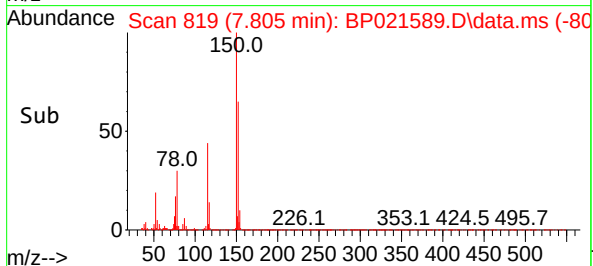
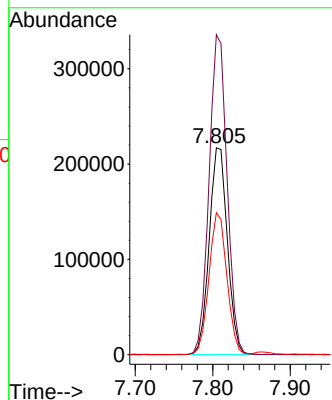
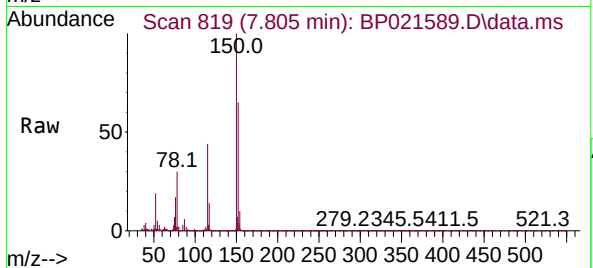




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021589.D  
Acq: 21 Aug 2024 02:44

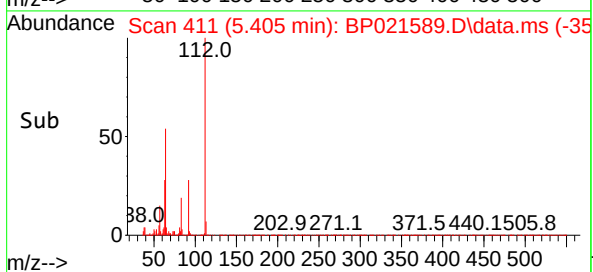
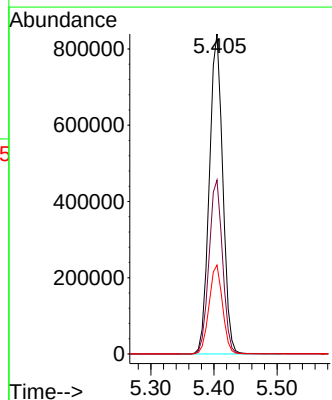
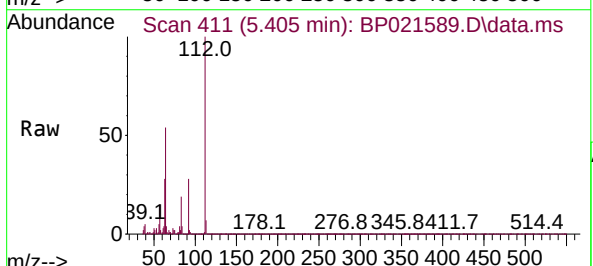
Instrument :  
BNA\_P  
ClientSampleId :  
917-J-WS-081624

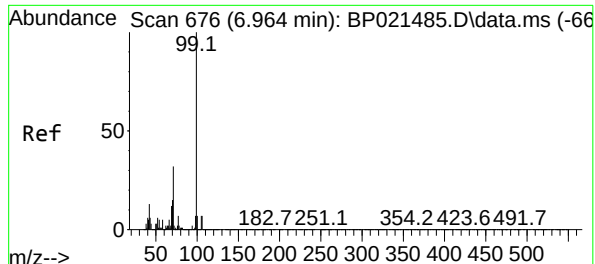
Tgt Ion:152 Resp: 352980  
Ion Ratio Lower Upper  
152 100  
150 154.7 122.4 183.6  
115 68.6 54.7 82.1



#5  
2-Fluorophenol  
Concen: 52.092 ng  
RT: 5.405 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: BP021589.D  
Acq: 21 Aug 2024 02:44

Tgt Ion:112 Resp: 1238318  
Ion Ratio Lower Upper  
112 100  
64 54.3 49.0 73.6  
63 27.8 24.6 36.8

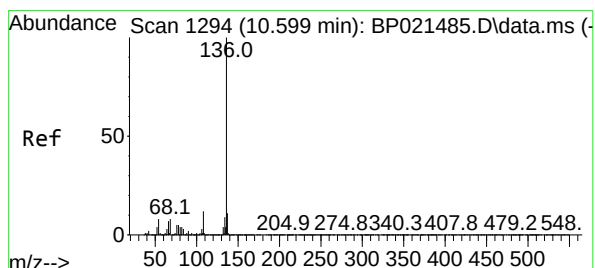
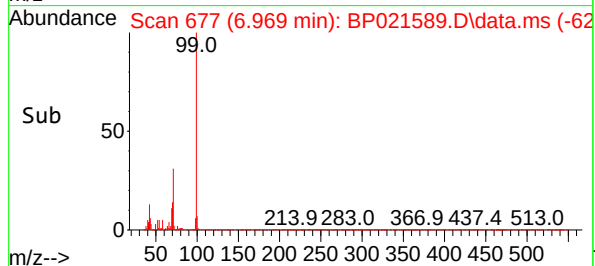
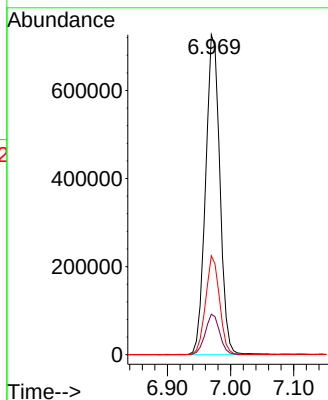
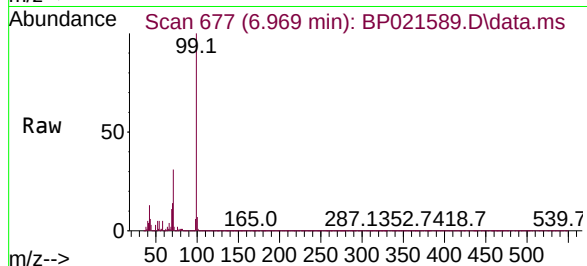




#7  
Phenol-d6  
Concen: 32.947 ng  
RT: 6.969 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP021589.D  
Acq: 21 Aug 2024 02:44

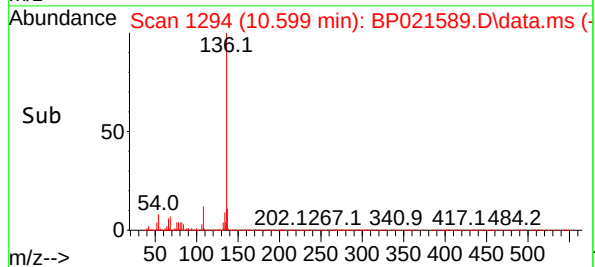
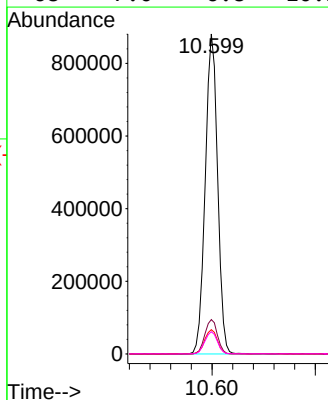
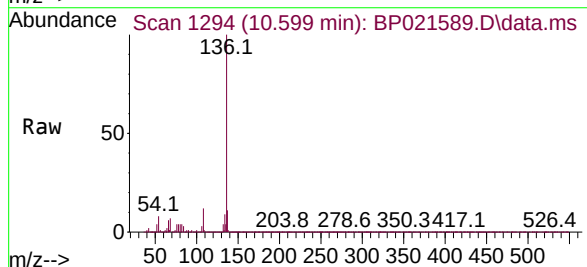
Instrument :  
BNA\_P  
ClientSampleId :  
917-J-WS-081624

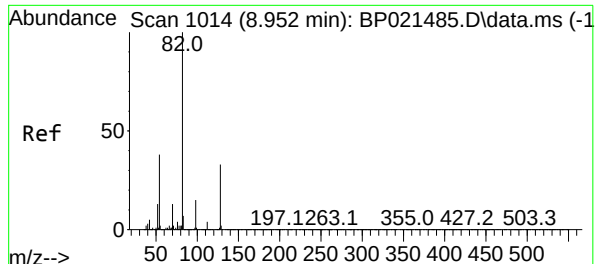
Tgt Ion: 99 Resp: 1142521  
Ion Ratio Lower Upper  
99 100  
42 12.7 10.2 15.4  
71 30.9 25.8 38.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BP021589.D  
Acq: 21 Aug 2024 02:44

Tgt Ion: 136 Resp: 1458861  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 7.6 6.3 9.5  
68 7.0 6.8 10.2





#23

Nitrobenzene-d5

Concen: 82.029 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA\_P

ClientSampleId :

917-J-WS-081624

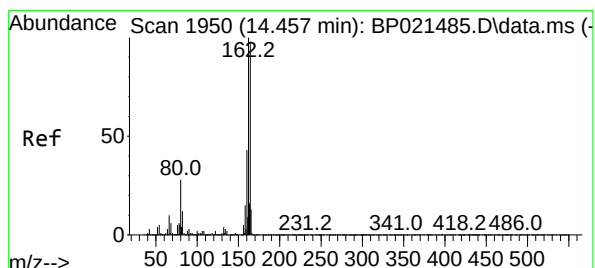
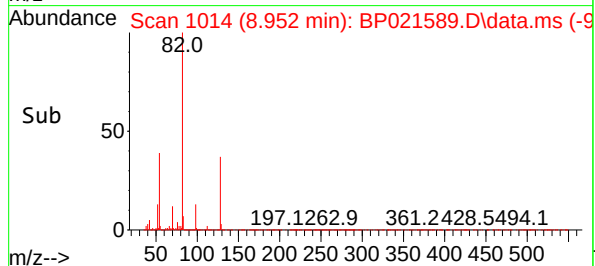
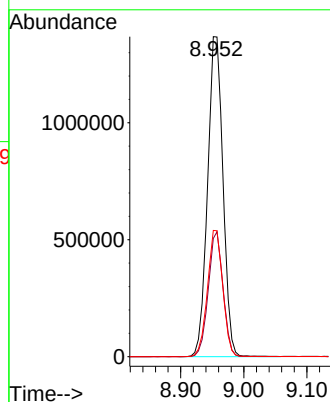
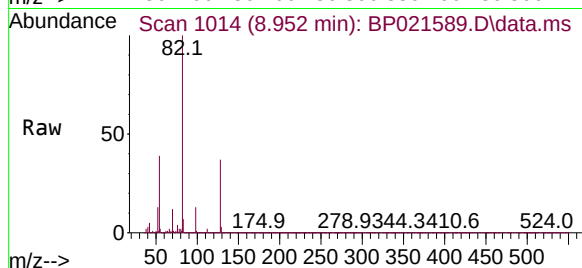
Tgt Ion: 82 Resp: 2318497

Ion Ratio Lower Upper

82 100

128 37.0 26.5 39.7

54 39.5 30.3 45.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

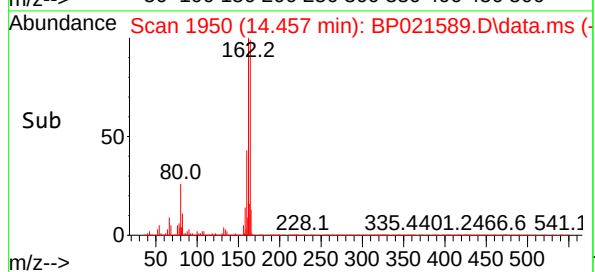
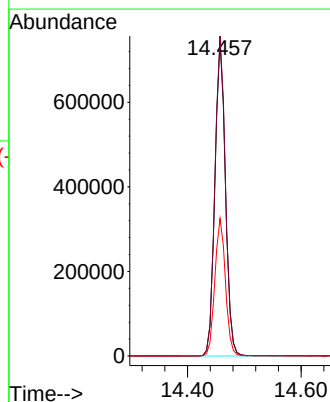
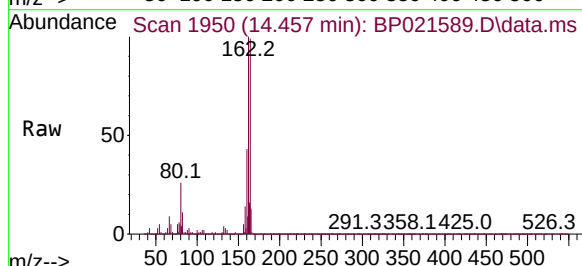
Tgt Ion: 164 Resp: 956855

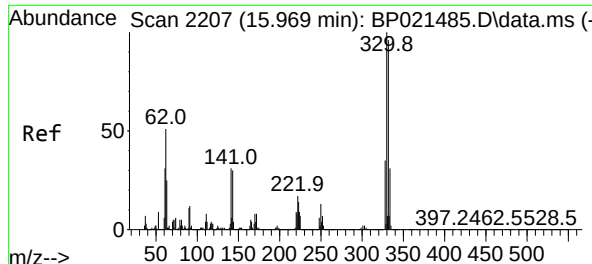
Ion Ratio Lower Upper

164 100

162 101.4 81.5 122.3

160 43.6 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 179.043 ng

RT: 15.981 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA\_P

ClientSampleId :

917-J-WS-081624

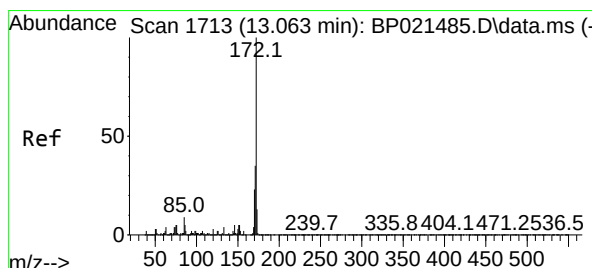
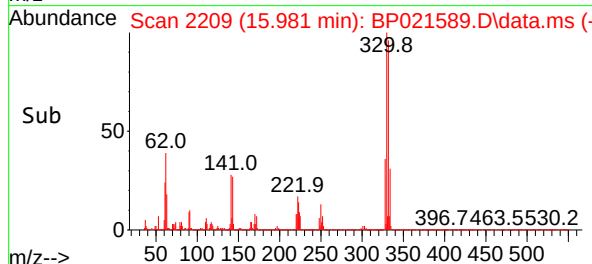
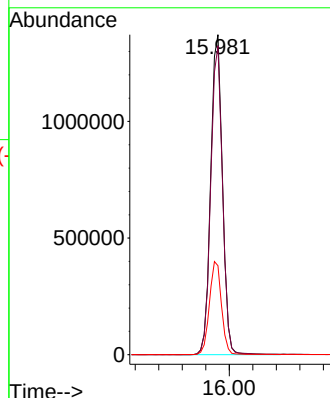
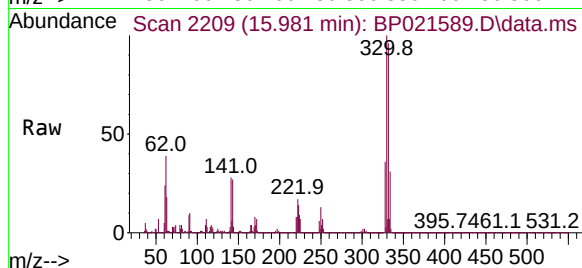
Tgt Ion:330 Resp: 1906699

Ion Ratio Lower Upper

330 100

332 96.7 77.4 116.0

141 29.8 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 76.313 ng

RT: 13.069 min Scan# 1714

Delta R.T. 0.006 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

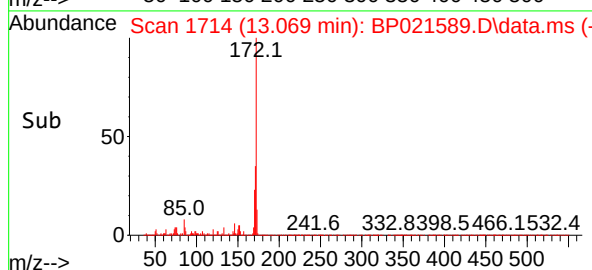
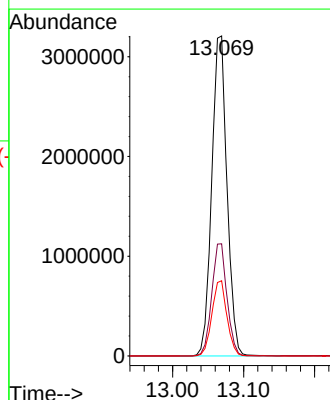
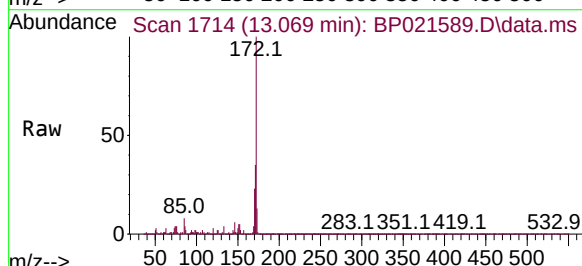
Tgt Ion:172 Resp: 4784620

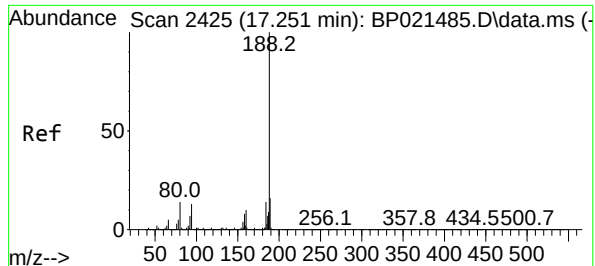
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 23.5 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.269 min Scan# 2425

Delta R.T. 0.018 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA\_P

ClientSampleId :

917-J-WS-081624

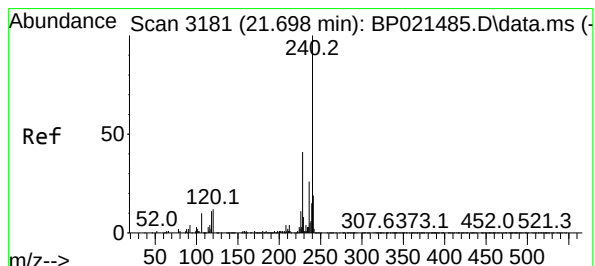
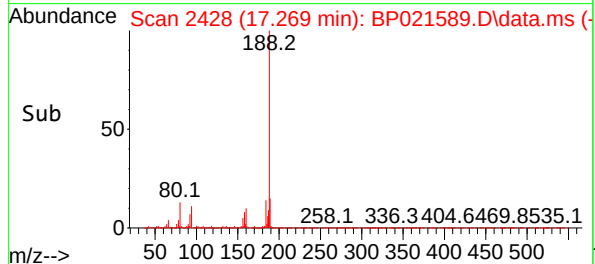
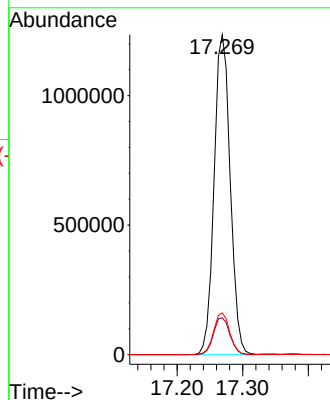
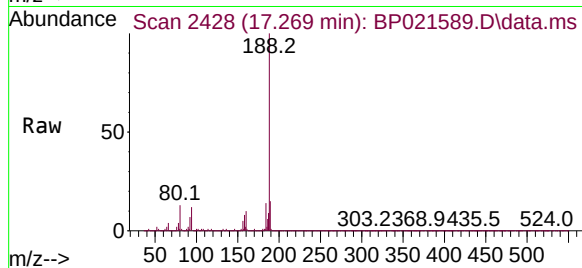
Tgt Ion:188 Resp: 2099848

Ion Ratio Lower Upper

188 100

94 11.5 10.2 15.4

80 13.1 11.6 17.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.727 min Scan# 3186

Delta R.T. 0.029 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

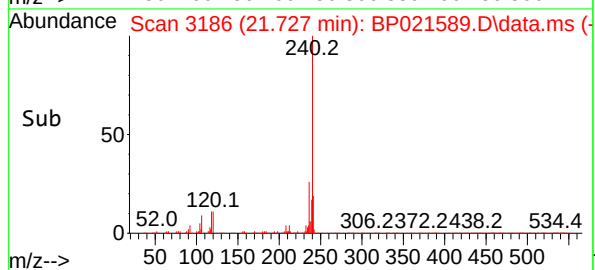
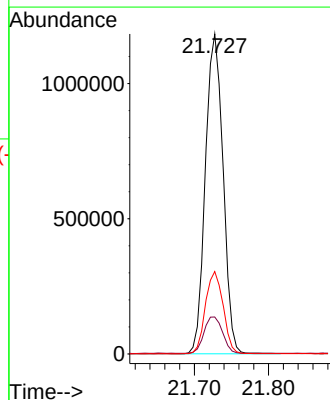
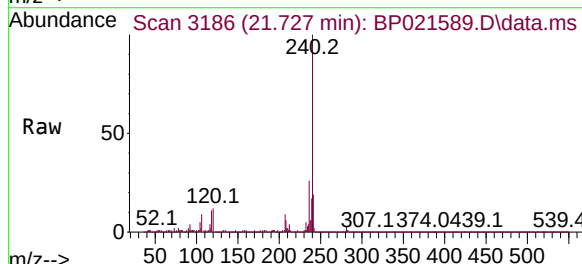
Tgt Ion:240 Resp: 1963856

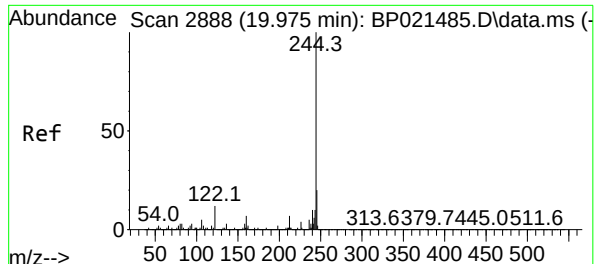
Ion Ratio Lower Upper

240 100

120 11.5 9.9 14.9

236 25.8 20.6 30.8





#79

Terphenyl-d14

Concen: 96.011 ng

RT: 19.992 min Scan# 21

Delta R.T. 0.017 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA\_P

ClientSampleId :

917-J-WS-081624

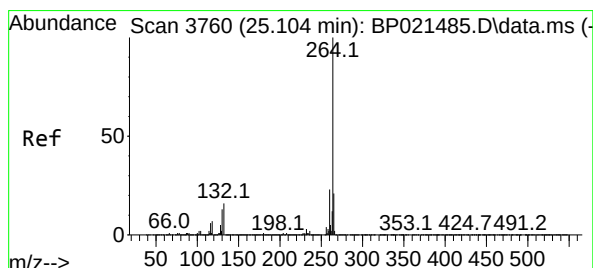
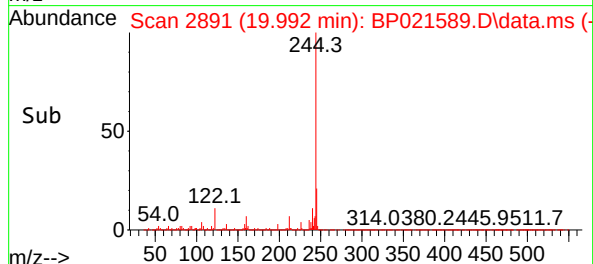
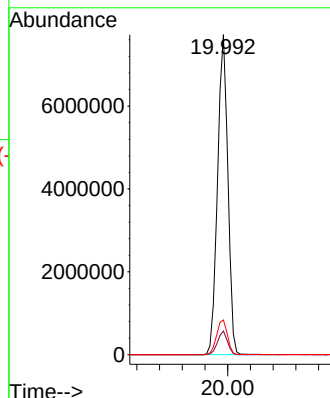
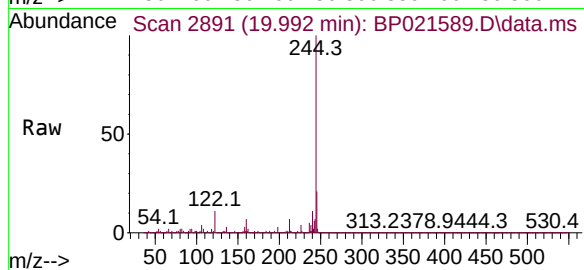
Tgt Ion:244 Resp: 9705536

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 10.8 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.168 min Scan# 3771

Delta R.T. 0.065 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

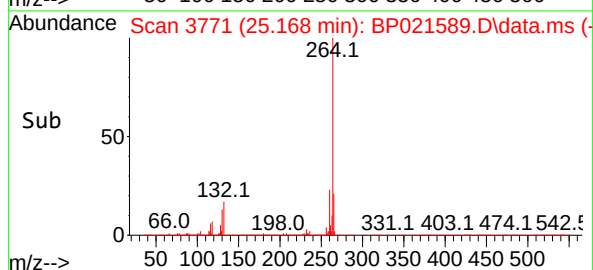
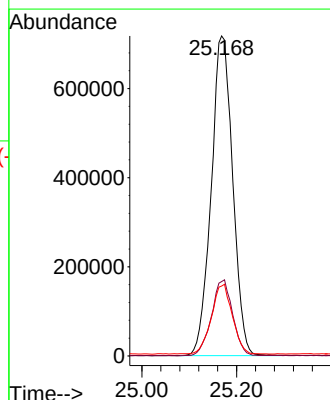
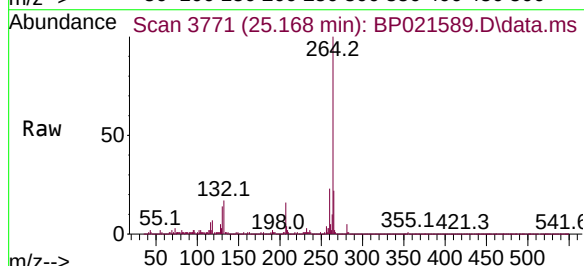
Tgt Ion:264 Resp: 2261178

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.8 17.1 25.7





# CALIBRATION SUMMARY

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
Method File : 8270E-BP081324.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Aug 14 00:00:30 2024  
Response Via : Initial Calibration

## Calibration Files

2.5 =BP021481.D 5 =BP021482.D 10 =BP021483.D 20 =BP021484.D 40 =BP021485.D 50 =BP021486.D 60 =BP021487.D 80 =BP021488.D

| Compound                   | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD   |
|----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| -----                      |                |       |       |       |       |       |       |       |       |        |
| 1) I 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |        |
| 2) 1,4-Dioxane             |                | 0.685 | 0.614 | 0.681 | 0.642 | 0.599 | 0.645 | 0.605 | 0.639 | 5.45   |
| 3) Pyridine                |                | 1.744 | 1.720 | 1.915 | 1.802 | 1.741 | 1.834 | 1.725 | 1.783 | 4.02   |
| 4) n-Nitrosodimet...       |                | 0.545 | 0.525 | 0.568 | 0.532 | 0.516 | 0.546 | 0.519 | 0.536 | 3.41   |
| 5) S 2-Fluorophenol        |                | 1.332 | 1.286 | 1.405 | 1.348 | 1.324 | 1.401 | 1.333 | 1.347 | 3.18   |
| 6) Aniline                 |                | 1.964 | 2.035 | 2.053 | 1.978 | 1.925 | 1.954 | 1.841 | 1.964 | 3.60   |
| 7) S Phenol-d6             |                | 1.897 | 1.960 | 2.062 | 1.978 | 1.953 | 1.998 | 1.905 | 1.965 | 2.87   |
| 8) 2-Chlorophenol          |                | 1.199 | 1.221 | 1.291 | 1.250 | 1.236 | 1.285 | 1.232 | 1.245 | 2.68   |
| 9) Benzaldehyde            |                | 1.364 | 1.447 | 1.409 | 1.198 | 1.073 | 1.057 |       | 1.258 | 13.68  |
| 10) C Phenol               |                | 1.968 | 2.023 | 2.138 | 2.045 | 2.020 | 2.077 | 1.971 | 2.035 | 2.94   |
| 11) bis(2-Chloroet...      |                | 1.757 | 1.800 | 1.787 | 1.702 | 1.680 | 1.690 | 1.636 | 1.722 | 3.53   |
| 12) 1,3-Dichlorobe...      |                | 1.579 | 1.479 | 1.546 | 1.452 | 1.422 | 1.467 | 1.404 | 1.479 | 4.29   |
| 13) C 1,4-Dichlorobe...    |                | 1.571 | 1.514 | 1.553 | 1.475 | 1.435 | 1.491 | 1.413 | 1.493 | 3.89   |
| 14) 1,2-Dichlorobe...      |                | 1.523 | 1.475 | 1.513 | 1.410 | 1.377 | 1.416 | 1.356 | 1.439 | 4.57   |
| 15) Benzyl Alcohol         |                | 1.306 | 1.454 | 1.474 | 1.415 | 1.417 | 1.437 | 1.365 | 1.410 | 4.07   |
| 16) 2,2'-oxybis(1-...      |                | 1.639 | 1.716 | 1.642 | 1.546 | 1.549 | 1.532 | 1.474 | 1.585 | 5.23   |
| 17) 2-Methylphenol         |                | 1.257 | 1.313 | 1.350 | 1.290 | 1.277 | 1.288 | 1.230 | 1.286 | 2.99   |
| 18) Hexachloroethane       |                | 0.599 | 0.590 | 0.617 | 0.594 | 0.587 | 0.614 | 0.590 | 0.599 | 2.04   |
| 19) P n-Nitroso-di-n...    | 1.329          | 1.436 | 1.555 | 1.433 | 1.340 | 1.308 | 1.271 | 1.185 | 1.357 | 8.44   |
| 20) 3+4-Methylphenols      |                | 1.595 | 1.820 | 1.795 | 1.758 | 1.734 | 1.769 | 1.670 | 1.734 | 4.49   |
|                            |                |       |       |       |       |       |       |       |       |        |
| 21) I Naphthalene-d8       | -----ISTD----- |       |       |       |       |       |       |       |       |        |
| 22) Acetophenone           |                | 0.636 | 0.621 | 0.643 | 0.612 | 0.591 | 0.609 | 0.590 | 0.614 | 3.32   |
| 23) S Nitrobenzene-d5      |                | 0.300 | 0.339 | 0.386 | 0.410 | 0.412 | 0.436 | 0.430 | 0.387 | 13.07  |
| 24) Nitrobenzene           |                | 0.338 | 0.385 | 0.430 | 0.443 | 0.435 | 0.460 | 0.454 | 0.421 | 10.43  |
| 25) Isophorone             |                | 0.947 | 0.970 | 0.951 | 0.913 | 0.877 | 0.886 | 0.864 | 0.915 | 4.51   |
| 26) C 2-Nitrophenol        |                | 0.054 | 0.063 | 0.076 | 0.094 | 0.107 | 0.120 |       | 0.086 | 30.30# |
| 27) 2,4-Dimethylph...      |                | 0.218 | 0.225 | 0.232 | 0.225 | 0.221 | 0.233 | 0.227 | 0.226 | 2.34   |
| 28) bis(2-Chloroet...      |                | 0.577 | 0.574 | 0.572 | 0.549 | 0.542 | 0.554 | 0.543 | 0.559 | 2.72   |
| 29) C 2,4-Dichloroph...    |                | 0.226 | 0.249 | 0.270 | 0.273 | 0.275 | 0.288 | 0.288 | 0.267 | 8.43   |
| 30) 1,2,4-Trichlor...      |                | 0.355 | 0.332 | 0.347 | 0.340 | 0.331 | 0.349 | 0.343 | 0.342 | 2.61   |
| 31) Naphthalene            |                | 1.084 | 1.041 | 1.074 | 1.041 | 1.002 | 1.046 | 1.026 | 1.045 | 2.65   |
| 32) Benzoic acid           |                |       | 0.082 | 0.104 | 0.129 | 0.151 | 0.168 | 0.187 | 0.137 | 29.06  |
| 33) 4-Chloroaniline        |                | 0.394 | 0.403 | 0.406 | 0.395 | 0.379 | 0.389 | 0.381 | 0.392 | 2.58   |
| 34) C Hexachlorobuta...    |                | 0.217 | 0.213 | 0.218 | 0.215 | 0.210 | 0.219 | 0.217 | 0.215 | 1.50   |
| 35) Caprolactam            |                | 0.099 | 0.115 | 0.118 | 0.114 | 0.109 | 0.113 | 0.110 | 0.111 | 5.44   |
| 36) C 4-Chloro-3-met...    |                | 0.332 | 0.375 | 0.382 | 0.383 | 0.370 | 0.378 | 0.372 | 0.370 | 4.74   |
| 37) 2-Methylnaphth...      |                | 0.747 | 0.742 | 0.730 | 0.705 | 0.683 | 0.701 | 0.683 | 0.713 | 3.75   |
| 38) 1-Methylnaphth...      |                | 0.742 | 0.735 | 0.725 | 0.697 | 0.673 | 0.685 | 0.666 | 0.703 | 4.37   |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
 Method File : 8270E-BP081324.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.574          | 0.543 | 0.592 | 0.595 | 0.578 | 0.616 | 0.604 | 0.586 | 4.05  |  |
| 41) P | Hexachlorocycl... | 0.159          | 0.153 | 0.174 | 0.192 | 0.195 | 0.214 | 0.214 | 0.186 | 13.17 |  |
| 42) S | 2,4,6-Tribromo... | 0.179          | 0.204 | 0.222 | 0.236 | 0.231 | 0.245 | 0.240 | 0.223 | 10.47 |  |
| 43) C | 2,4,6-Trichlor... | 0.261          | 0.284 | 0.318 | 0.343 | 0.339 | 0.367 | 0.367 | 0.326 | 12.49 |  |
| 44)   | 2,4,5-Trichlor... | 0.284          | 0.316 | 0.360 | 0.382 | 0.378 | 0.408 | 0.404 | 0.362 | 12.72 |  |
| 45) S | 2-Fluorobiphenyl  | 1.371          | 1.314 | 1.335 | 1.327 | 1.264 | 1.309 | 1.253 | 1.310 | 3.12  |  |
| 46)   | 1,1'-Biphenyl     | 1.462          | 1.400 | 1.434 | 1.428 | 1.362 | 1.433 | 1.386 | 1.415 | 2.40  |  |
| 47)   | 2-Chloronaphth... | 1.121          | 1.075 | 1.117 | 1.116 | 1.065 | 1.129 | 1.088 | 1.102 | 2.30  |  |
| 48)   | 2-Nitroaniline    | 0.146          | 0.181 | 0.231 | 0.285 | 0.294 | 0.329 | 0.328 | 0.256 | 28.08 |  |
| 49)   | Acenaphthylene    | 1.660          | 1.610 | 1.657 | 1.645 | 1.561 | 1.633 | 1.570 | 1.619 | 2.51  |  |
| 50)   | Dimethylphthalate | 1.387          | 1.365 | 1.369 | 1.352 | 1.276 | 1.340 | 1.287 | 1.339 | 3.17  |  |
| 51)   | 2,6-Dinitrotol... | 0.129          | 0.187 | 0.227 | 0.255 | 0.261 | 0.282 | 0.283 | 0.232 | 24.32 |  |
| 52) C | Acenaphthene      | 1.094          | 1.058 | 1.074 | 1.073 | 1.023 | 1.072 | 1.042 | 1.063 | 2.23  |  |
| 53)   | 3-Nitroaniline    | 0.127          | 0.185 | 0.221 | 0.254 | 0.254 | 0.279 | 0.277 | 0.228 | 24.33 |  |
| 54) P | 2,4-Dinitrophenol |                | 0.045 | 0.052 | 0.066 | 0.073 | 0.085 | 0.093 | 0.069 | 27.01 |  |
| 55)   | Dibenzofuran      | 1.735          | 1.637 | 1.677 | 1.649 | 1.563 | 1.607 | 1.575 | 1.635 | 3.67  |  |
| 56) P | 4-Nitrophenol     |                | 0.141 | 0.177 | 0.202 | 0.201 | 0.225 | 0.223 | 0.195 | 16.26 |  |
| 57)   | 2,4-Dinitrotol... | 0.140          | 0.214 | 0.262 | 0.320 | 0.328 | 0.362 | 0.365 | 0.284 | 29.47 |  |
| 58)   | Fluorene          | 1.431          | 1.400 | 1.408 | 1.354 | 1.260 | 1.315 | 1.233 | 1.343 | 5.70  |  |
| 59)   | 2,3,4,6-Tetrac... | 0.250          | 0.278 | 0.302 | 0.328 | 0.317 | 0.340 | 0.333 | 0.307 | 10.67 |  |
| 60)   | Diethylphthalate  | 1.405          | 1.395 | 1.427 | 1.397 | 1.318 | 1.368 | 1.310 | 1.374 | 3.26  |  |
| 61)   | 4-Chlorophenyl... | 0.741          | 0.724 | 0.718 | 0.695 | 0.656 | 0.680 | 0.644 | 0.694 | 5.19  |  |
| 62)   | 4-Nitroaniline    | 0.148          | 0.198 | 0.242 | 0.273 | 0.262 | 0.288 | 0.278 | 0.241 | 21.07 |  |
| 63)   | Azobenzene        | 1.797          | 1.779 | 1.778 | 1.714 | 1.555 | 1.648 | 1.555 | 1.689 | 6.21  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... |                | 0.031 | 0.039 | 0.052 | 0.060 | 0.069 | 0.075 | 0.054 | 30.94 |  |
| 66) c | n-Nitrosodiphe... | 0.534          | 0.541 | 0.549 | 0.538 | 0.523 | 0.534 | 0.531 | 0.536 | 1.52  |  |
| 67)   | 4-Bromophenyl-... | 0.211          | 0.210 | 0.212 | 0.207 | 0.210 | 0.215 | 0.216 | 0.212 | 1.39  |  |
| 68)   | Hexachlorobenzene | 0.255          | 0.249 | 0.250 | 0.252 | 0.245 | 0.252 | 0.248 | 0.250 | 1.32  |  |
| 69)   | Atrazine          | 0.181          | 0.186 | 0.196 | 0.191 | 0.179 | 0.182 | 0.174 | 0.184 | 4.00  |  |
| 70) C | Pentachlorophenol |                | 0.108 | 0.125 | 0.137 | 0.143 | 0.151 | 0.156 | 0.137 | 13.07 |  |
| 71)   | Phenanthrene      | 0.990          | 0.963 | 0.998 | 0.965 | 0.932 | 0.952 | 0.932 | 0.962 | 2.71  |  |
| 72)   | Anthracene        | 0.954          | 0.955 | 0.970 | 0.950 | 0.915 | 0.943 | 0.915 | 0.943 | 2.21  |  |
| 73)   | Carbazole         | 0.908          | 0.906 | 0.941 | 0.930 | 0.873 | 0.913 | 0.892 | 0.909 | 2.49  |  |
| 74)   | Di-n-butylphth... | 1.049          | 1.065 | 1.149 | 1.149 | 1.133 | 1.144 | 1.126 | 1.116 | 3.75  |  |
| 75) C | Fluoranthene      | 1.215          | 1.153 | 1.233 | 1.200 | 1.137 | 1.179 | 1.144 | 1.180 | 3.17  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         |                | 0.297 | 0.451 | 0.477 | 0.476 | 0.408 | 0.409 | 0.420 | 16.09 |  |
| 78)   | Pyrene            | 1.283          | 1.470 | 1.295 | 1.290 | 1.262 | 1.270 | 1.282 | 1.307 | 5.55  |  |
| 79) S | Terphenyl-d14     | 1.069          | 1.196 | 1.034 | 1.006 | 0.973 | 0.994 | 0.935 | 1.029 | 8.24  |  |
| 80)   | Butylbenzylpht... | 0.298          | 0.365 | 0.411 | 0.470 | 0.489 | 0.508 | 0.519 | 0.437 | 18.83 |  |
| 81)   | Benzo(a)anthra... | 1.271          | 1.247 | 1.291 | 1.268 | 1.224 | 1.244 | 1.242 | 1.256 | 1.79  |  |
| 82)   | 3,3'-Dichlorob... | 0.349          | 0.358 | 0.413 | 0.428 | 0.419 | 0.429 | 0.422 | 0.403 | 8.47  |  |
| 83)   | Chrysene          | 1.213          | 1.180 | 1.205 | 1.197 | 1.151 | 1.182 | 1.169 | 1.185 | 1.81  |  |
| 84)   | Bis(2-ethylhex... | 0.607          | 0.635 | 0.741 | 0.781 | 0.804 | 0.800 | 0.826 | 0.742 | 11.70 |  |
| 85) c | Di-n-octyl pht... |                | 0.839 | 1.115 | 1.247 | 1.285 | 1.332 | 1.376 | 1.199 | 16.51 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\  
Method File : 8270E-BP081324.M

|       |                   |                |       |       |       |       |       |       |       |      |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |      |
| 87)   | Indeno(1,2,3-c... | 1.244          | 1.156 | 1.317 | 1.327 | 1.297 | 1.384 | 1.350 | 1.296 | 5.84 |
| 88)   | Benzo(b)fluora... | 1.106          | 1.152 | 1.158 | 1.155 | 1.119 | 1.189 | 1.163 | 1.149 | 2.42 |
| 89)   | Benzo(k)fluora... | 1.115          | 1.101 | 1.124 | 1.141 | 1.103 | 1.150 | 1.110 | 1.121 | 1.69 |
| 90) C | Benzo(a)pyrene    | 0.953          | 0.953 | 1.003 | 1.012 | 0.996 | 1.040 | 1.019 | 0.997 | 3.28 |
| 91)   | Dibenzo(a,h)an... | 1.034          | 0.965 | 1.106 | 1.102 | 1.080 | 1.144 | 1.109 | 1.077 | 5.54 |
| 92)   | Benzo(g,h,i)pe... | 1.052          | 0.955 | 1.096 | 1.102 | 1.074 | 1.151 | 1.128 | 1.080 | 5.91 |

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021481.D  
Acq On : 13 Aug 2024 12:32  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 23:03:48 2024  
Response via : Initial Calibration

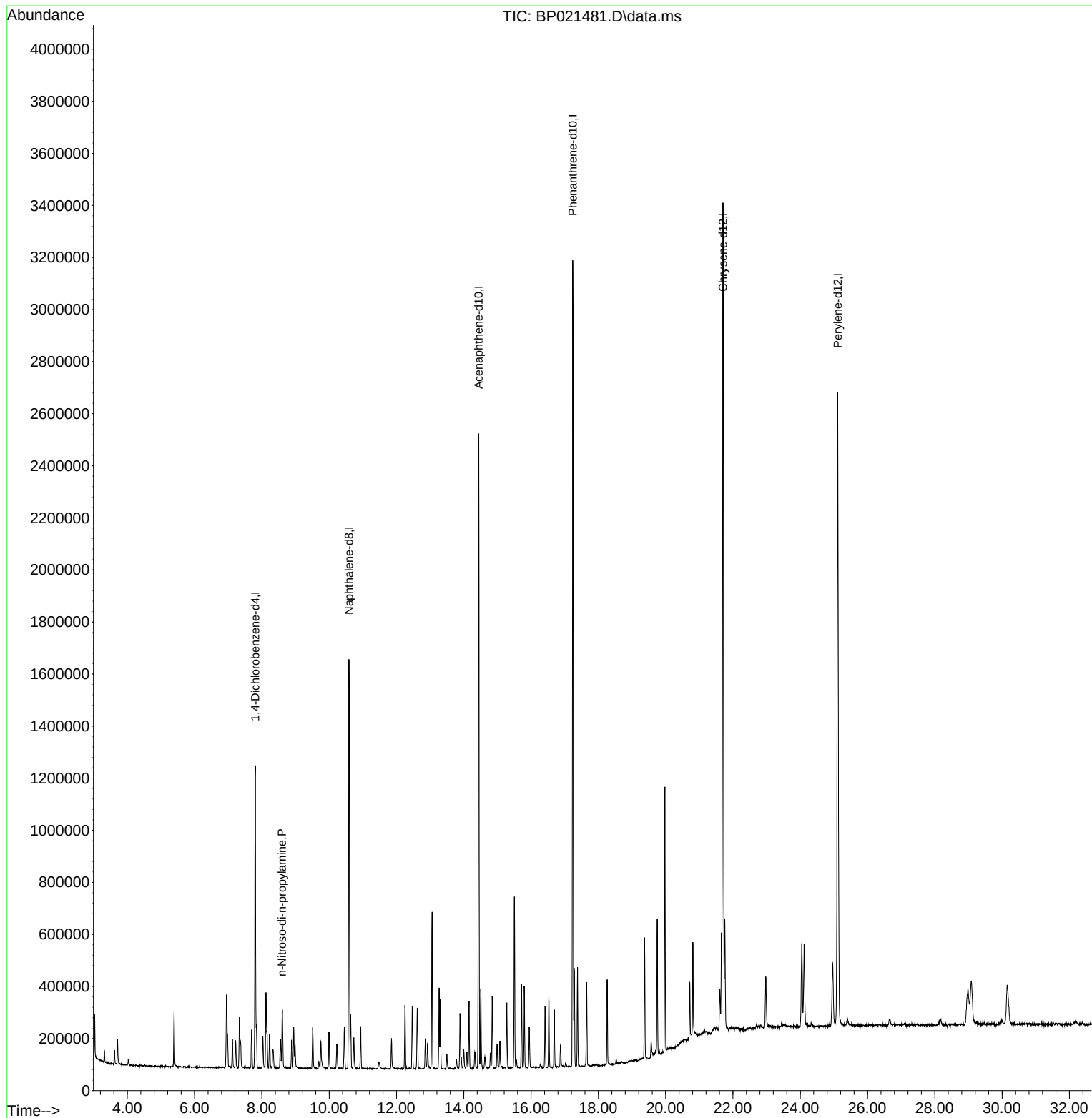
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|--------|-------|-----------|
| Internal Standards            |        |      |          |        |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 291697   | 20.000 | ng    | 0.00      |
| 21) Naphthalene-d8            | 10.587 | 136  | 1211879  | 20.000 | ng    | -0.01     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 840945   | 20.000 | ng    | -0.01     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 1860621  | 20.000 | ng    | -0.01     |
| 76) Chrysene-d12              | 21.704 | 240  | 1845246  | 20.000 | ng    | 0.00      |
| 86) Perylene-d12              | 25.115 | 264  | 2154249  | 20.000 | ng    | 0.01      |
| System Monitoring Compounds   |        |      |          |        |       |           |
| 5) 2-Fluorophenol             | 0.000  | 112  | 0d       | 0.000  | ng    |           |
| 7) Phenol-d6                  | 0.000  | 99   | 0d       | 0.000  | ng    |           |
| 23) Nitrobenzene-d5           | 0.000  | 82   | 0d       | 0.000  | ng    |           |
| 42) 2,4,6-Tribromophenol      | 0.000  | 330  | 0d       | 0.000  | ng    |           |
| 45) 2-Fluorobiphenyl          | 0.000  | 172  | 0d       | 0.000  | ng    |           |
| 79) Terphenyl-d14             | 0.000  | 244  | 0d       | 0.000  | ng    |           |
| Target Compounds              |        |      |          |        |       |           |
| 19) n-Nitroso-di-n-propyla... | 8.599  | 70   | 48460    | 2.448  | ng    | Qvalue 99 |

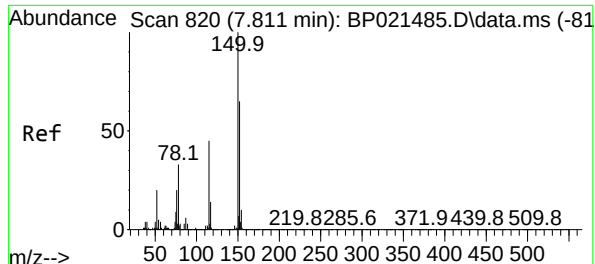
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021481.D  
Acq On : 13 Aug 2024 12:32  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 23:03:48 2024  
Response via : Initial Calibration

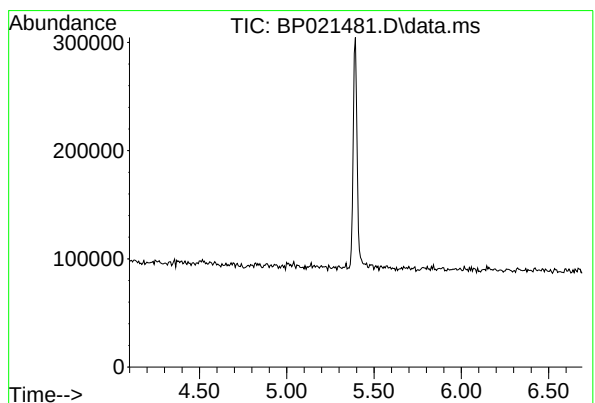
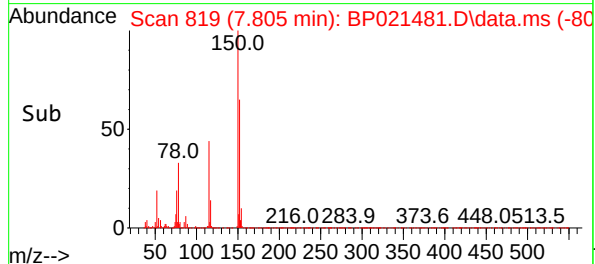
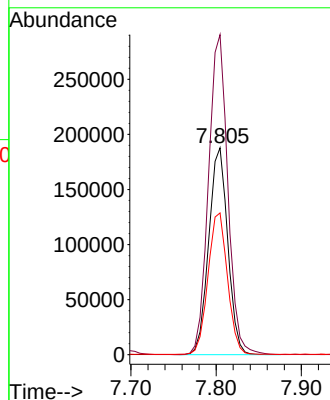
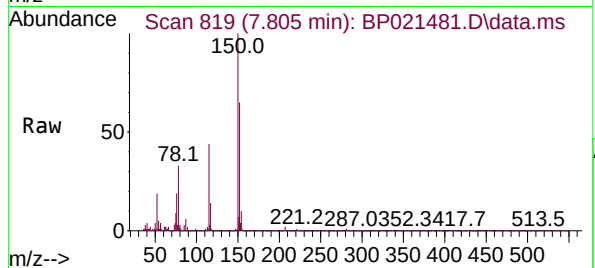




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021481.D  
Acq: 13 Aug 2024 12:32

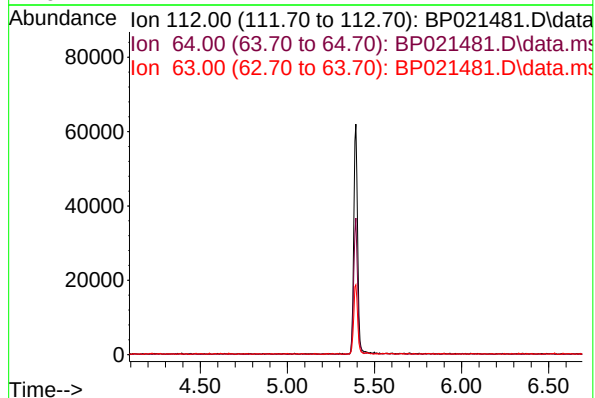
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC2.5

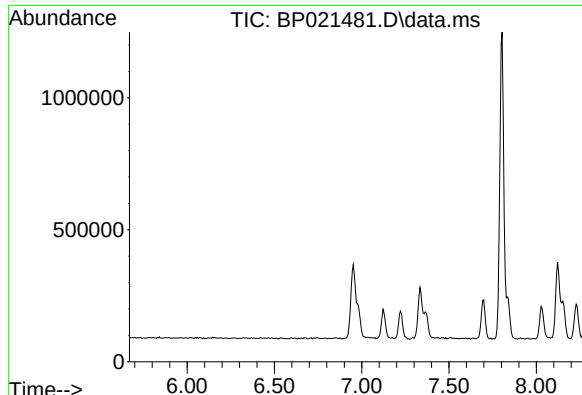
Tgt Ion:152 Resp: 291697  
Ion Ratio Lower Upper  
152 100  
150 154.6 122.4 183.6  
115 68.5 54.7 82.1



#5  
2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.39 min  
  
Lab File: BP021481.D  
Acq: 13 Aug 2024 12:32

Tgt Ion: 112  
Sig Exp Ratio  
112 100  
64 61.3  
63 30.7





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.96 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA\_P

ClientSampleId :

SSTDICC2.5

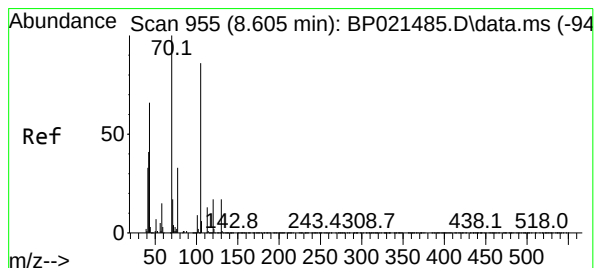
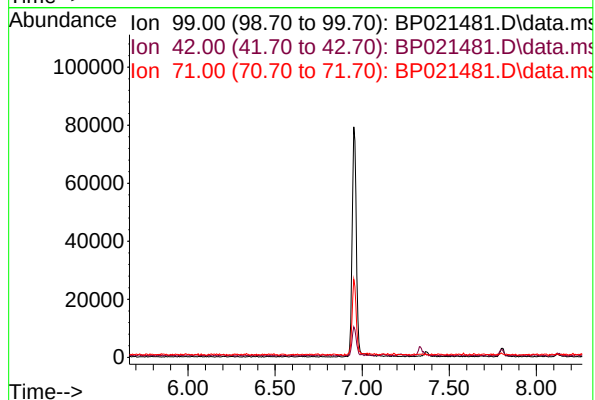
Tgt Ion: 99

Sig Exp Ratio

99 100

42 12.8

71 32.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.448 ng

RT: 8.599 min Scan# 954

Delta R.T. -0.006 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Tgt Ion: 70 Resp: 48460

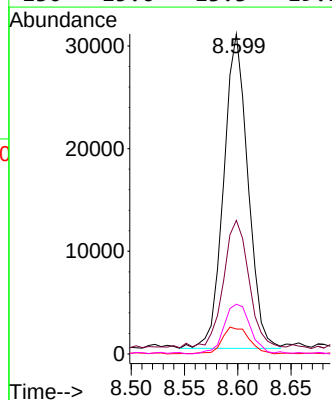
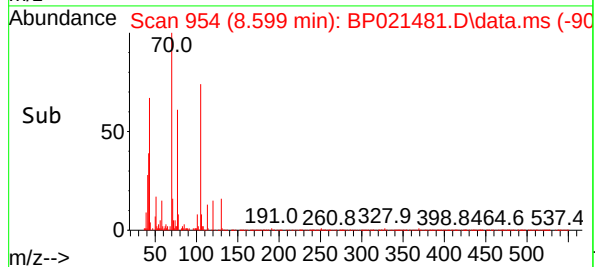
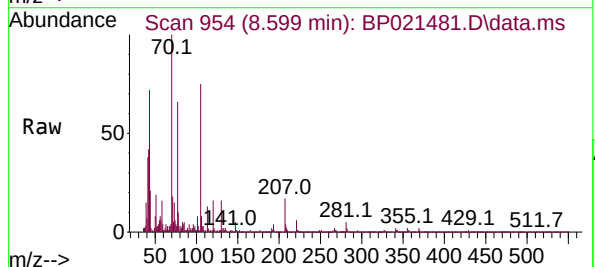
Ion Ratio Lower Upper

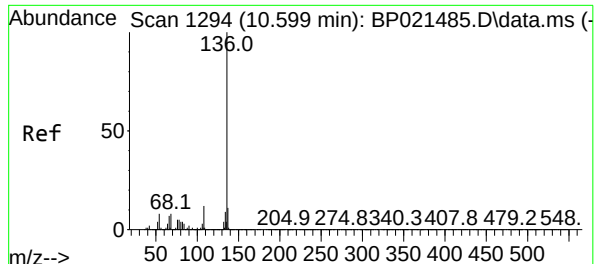
70 100

42 41.7 33.1 49.7

101 7.8 7.4 11.2

130 15.6 13.3 19.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.587 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA\_P

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 1211879

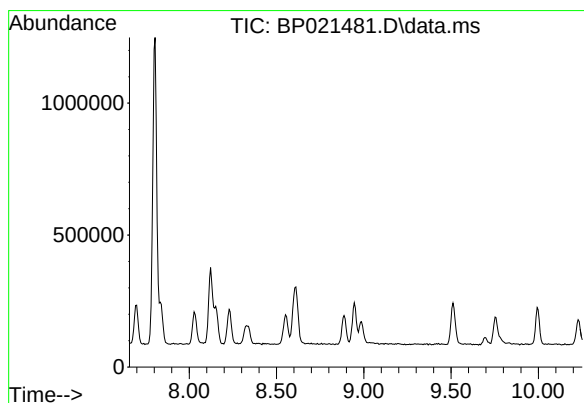
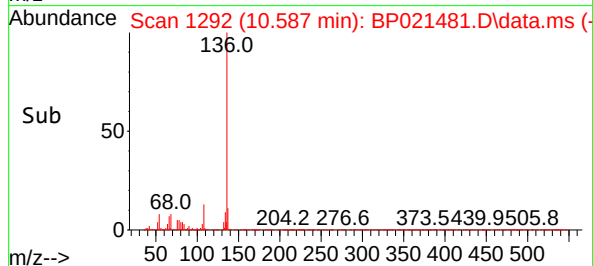
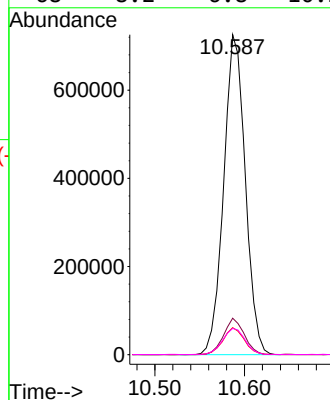
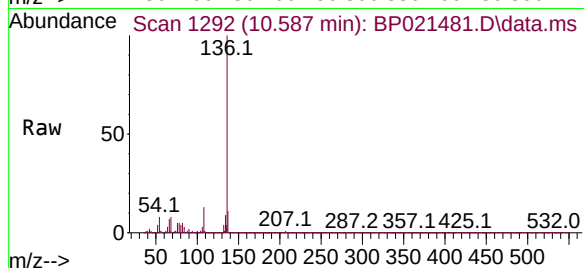
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.4 6.3 9.5

68 8.2 6.8 10.2



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 8.95 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

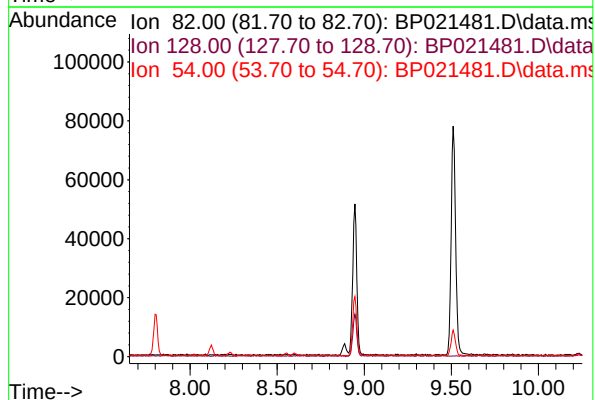
Tgt Ion: 82

Sig Exp Ratio

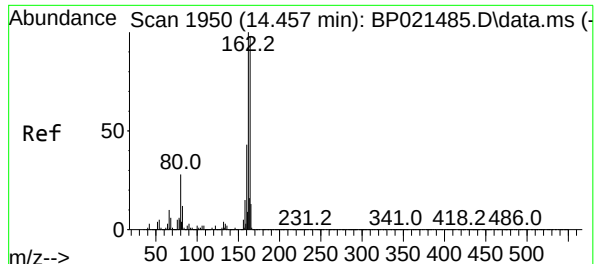
82 100

128 33.1

54 37.9







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 19

Delta R.T. -0.012 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA\_P

ClientSampleId :

SSTDICC2.5

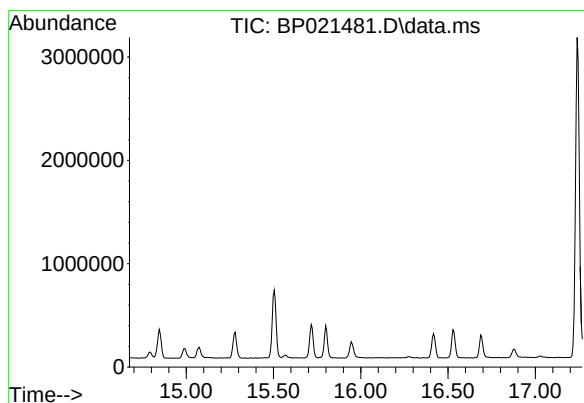
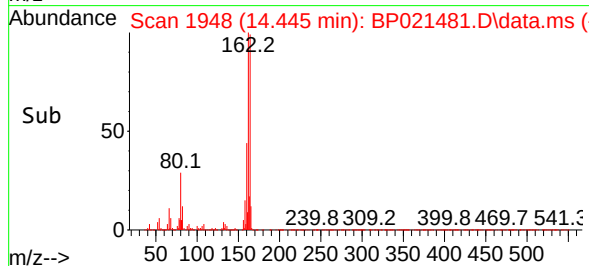
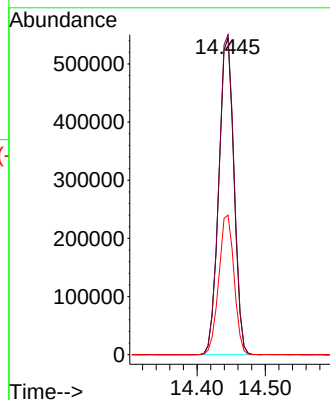
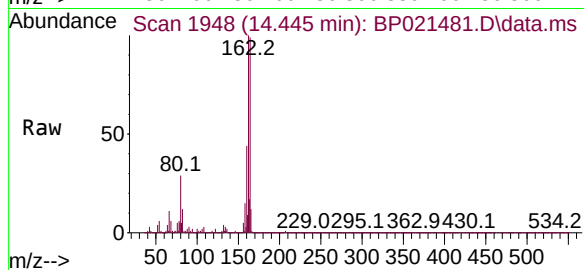
Tgt Ion:164 Resp: 840945

Ion Ratio Lower Upper

164 100

162 101.1 81.5 122.3

160 44.1 35.2 52.8



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.97 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

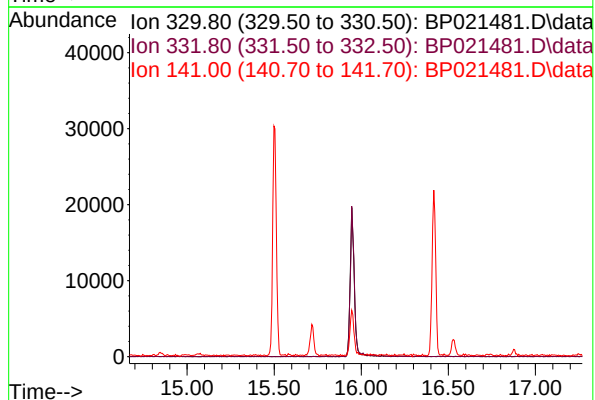
Tgt Ion: 330

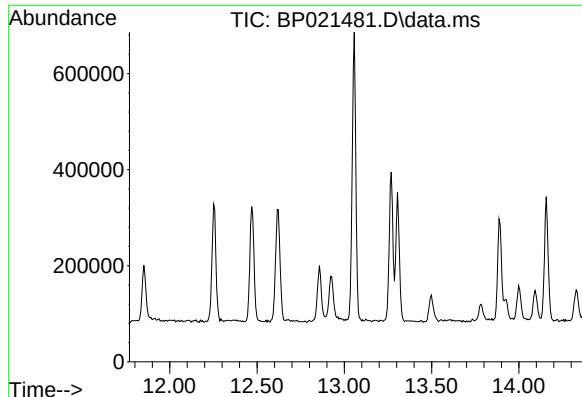
Sig Exp Ratio

330 100

332 96.7

141 30.6





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.06 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA\_P

ClientSampleId :

SSTDICC2.5

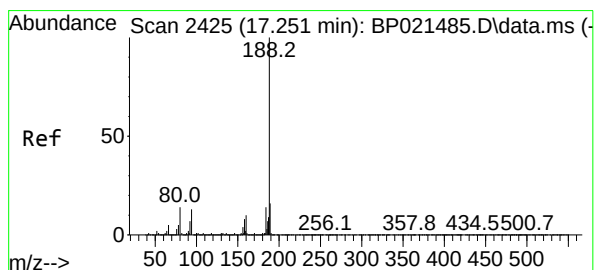
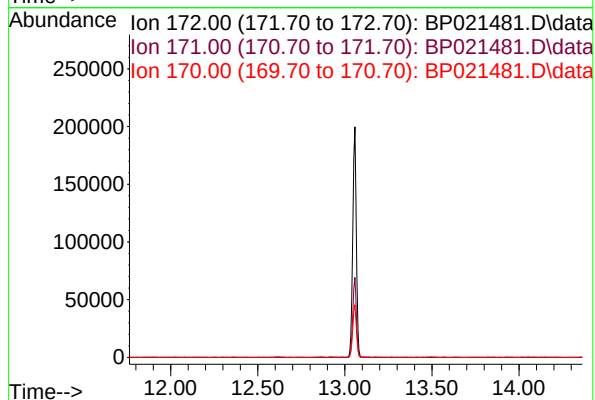
Tgt Ion: 172

Sig Exp Ratio

172 100

171 35.3

170 23.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.239 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

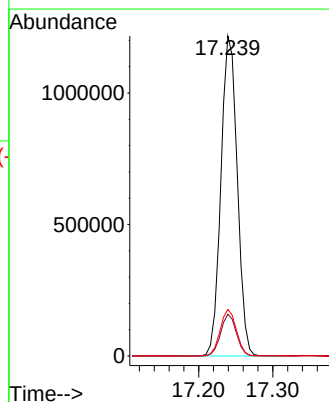
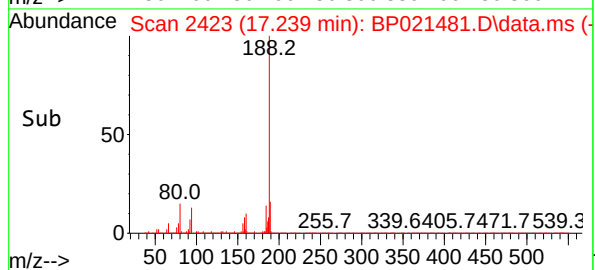
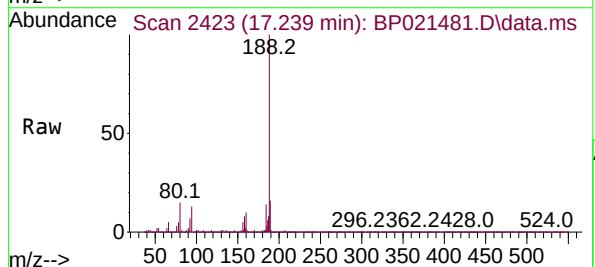
Tgt Ion:188 Resp: 1860621

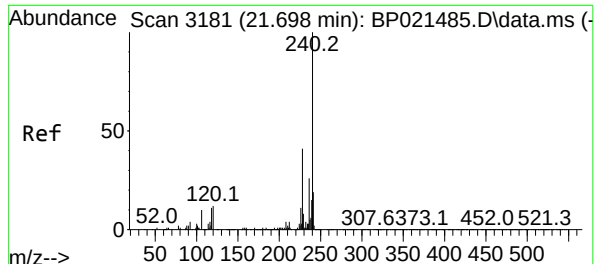
Ion Ratio Lower Upper

188 100

94 13.0 10.2 15.4

80 14.6 11.6 17.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.704 min Scan# 31

Delta R.T. 0.006 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA\_P

ClientSampleId :

SSTDICC2.5

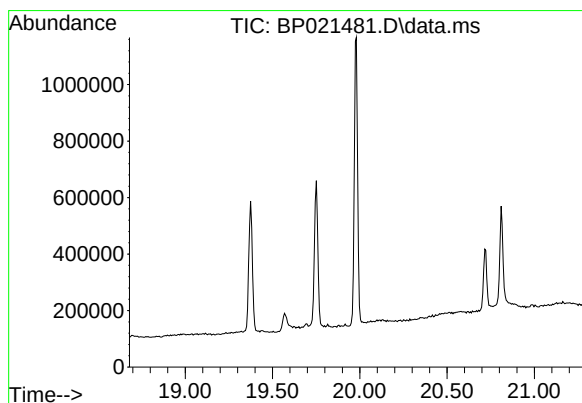
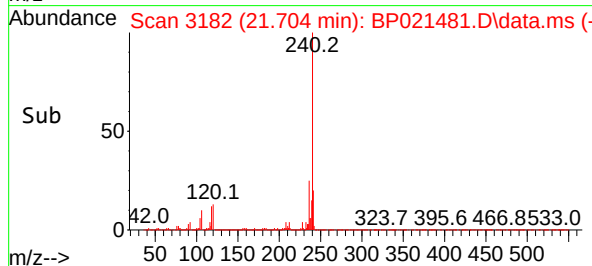
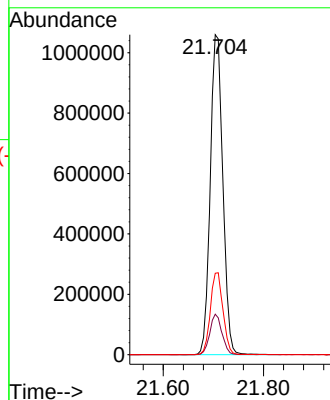
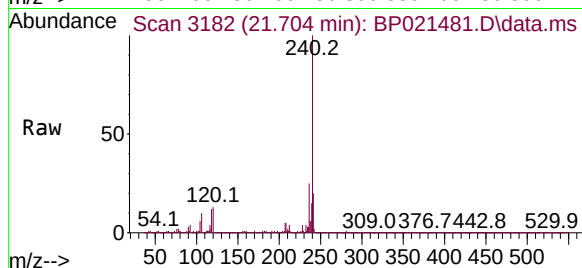
Tgt Ion:240 Resp: 1845246

Ion Ratio Lower Upper

240 100

120 12.7 9.9 14.9

236 25.4 20.6 30.8



#79

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 19.97 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

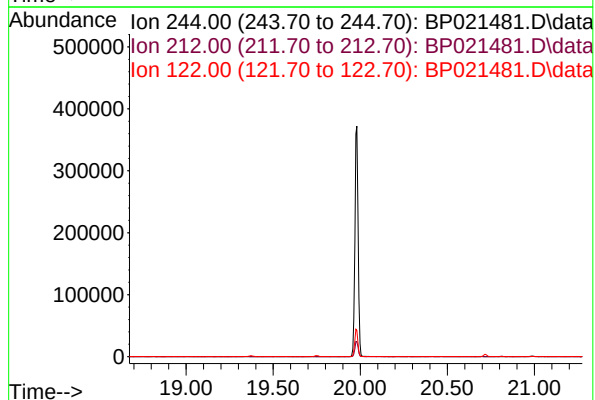
Tgt Ion: 244

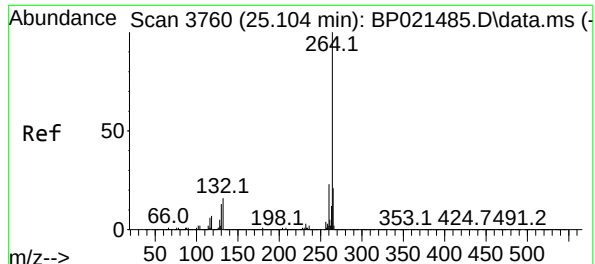
Sig Exp Ratio

244 100

212 7.0

122 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.115 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP021481.D

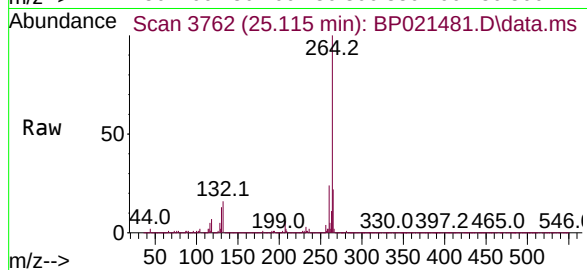
Acq: 13 Aug 2024 12:32

Instrument :

BNA\_P

ClientSampleId :

SSTDICC2.5



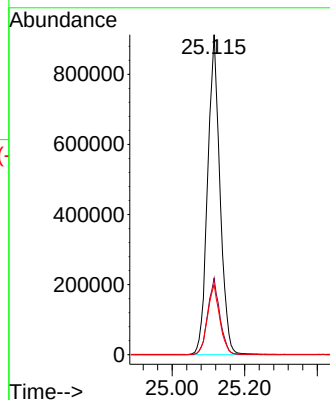
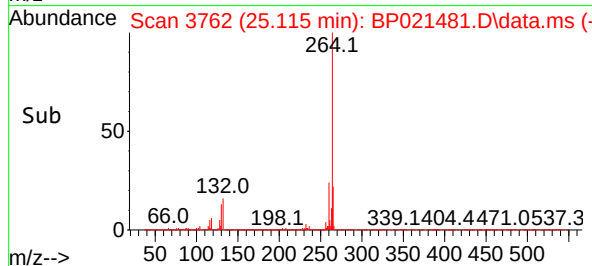
Tgt Ion:264 Resp: 2154249

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.8 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021482.D  
Acq On : 13 Aug 2024 13:15  
Operator : RC/JU  
Sample : SSTDICC005  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Quant Time: Aug 13 23:48:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 23:44:24 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.804  | 152  | 312360   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.587 | 136  | 1334707  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.451 | 164  | 933864   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.257 | 188  | 2070828  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.698 | 240  | 2040393  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.115 | 264  | 2299535  | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 208031   | 9.889  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.957  | 99   | 296244   | 9.654  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.946  | 82   | 199944   | 7.732  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 83806    | 8.063  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 640316   | 10.464 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.980 | 244  | 1090116  | 10.379 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.316  | 88   | 53510    | 5.365  | ng    | 98       |
| 3) Pyridine                   | 3.711  | 79   | 136152   | 4.890  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.616  | 42   | 42551    | 5.084  | ng    | # 92     |
| 6) Aniline                    | 7.128  | 93   | 153398   | 5.000  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 93591    | 4.814  | ng    | 99       |
| 9) Benzaldehyde               | 6.946  | 77   | 106515   | 5.421  | ng    | 99       |
| 10) Phenol                    | 6.981  | 94   | 153713   | 4.837  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 137203   | 5.103  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 123281   | 5.339  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 122689   | 5.262  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.157  | 146  | 118950   | 5.294  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.028  | 79   | 101967   | 4.631  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 127954   | 5.167  | ng    | 98       |
| 17) 2-Methylphenol            | 8.228  | 107  | 98168    | 4.887  | ng    | 96       |
| 18) Hexachloroethane          | 8.887  | 117  | 46773    | 5.002  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.599  | 70   | 112153   | 5.291  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.551  | 107  | 124528   | 4.597  | ng    | 97       |
| 22) Acetophenone              | 8.610  | 105  | 212108   | 5.173  | ng    | # 98     |
| 24) Nitrobenzene              | 8.987  | 77   | 112817   | 4.017  | ng    | 97       |
| 25) Isophorone                | 9.516  | 82   | 315900   | 5.171  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.698  | 139  | 18035    | 4.396  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.757  | 122  | 72762    | 4.826  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.993  | 93   | 192662   | 5.167  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.228 | 162  | 75312    | 4.228  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.451 | 180  | 118446   | 5.186  | ng    | 95       |
| 31) Naphthalene               | 10.640 | 128  | 361804   | 5.189  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.740 | 127  | 131360   | 5.015  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 72436    | 5.038  | ng    | 97       |
| 35) Caprolactam               | 11.475 | 113  | 33090    | 4.463  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.857 | 107  | 110736   | 4.481  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 249268   | 5.238  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 247615   | 5.276  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 133916   | 4.894  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 37190    | 4.288  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 12.857 | 196  | 60845    | 4.003  | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 12.928 | 196  | 66306    | 3.926  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021482.D  
 Acq On : 13 Aug 2024 13:15  
 Operator : RC/JU  
 Sample : SSTDICC005  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC005

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:54 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 341430   | 5.168 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.310 | 162  | 261761   | 5.089 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.498 | 65   | 34186    | 7.264 | ng    | 97       |
| 49) Acenaphthylene            | 14.163 | 152  | 387614   | 5.126 | ng    | 99       |
| 50) Dimethylphthalate         | 13.898 | 163  | 323804   | 5.178 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 30050    | 6.169 | ng    | # 81     |
| 52) Acenaphthene              | 14.516 | 154  | 255510   | 5.150 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.334 | 138  | 29621    | 6.160 | ng    | # 79     |
| 55) Dibenzofuran              | 14.851 | 168  | 405023   | 5.307 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 32636    | 6.843 | ng    | 90       |
| 58) Fluorene                  | 15.516 | 166  | 333975   | 5.326 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 58426    | 4.076 | ng    | # 98     |
| 60) Diethylphthalate          | 15.281 | 149  | 328116   | 5.113 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 173085   | 5.340 | ng    | 100      |
| 62) 4-Nitroaniline            | 15.510 | 138  | 34574    | 5.481 | ng    | # 67     |
| 63) Azobenzene                | 15.810 | 77   | 419466   | 5.318 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 276698   | 4.986 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248  | 109250   | 4.985 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 132184   | 5.104 | ng    | 97       |
| 69) Atrazine                  | 16.692 | 200  | 93767    | 4.921 | ng    | 99       |
| 71) Phenanthrene              | 17.292 | 178  | 512757   | 5.149 | ng    | 99       |
| 72) Anthracene                | 17.386 | 178  | 493987   | 5.058 | ng    | 99       |
| 73) Carbazole                 | 17.669 | 167  | 470253   | 4.996 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.269 | 149  | 542975   | 4.697 | ng    | 99       |
| 75) Fluoranthene              | 19.380 | 202  | 629080   | 5.148 | ng    | 99       |
| 78) Pyrene                    | 19.757 | 202  | 654333   | 4.906 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 152079   | 6.382 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.680 | 228  | 648521   | 5.063 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.592 | 252  | 178137   | 4.338 | ng    | 98       |
| 83) Chrysene                  | 21.745 | 228  | 618621   | 5.115 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.651 | 149  | 309738   | 4.091 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.962 | 276  | 715393m  | 4.800 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.015 | 252  | 636027   | 4.816 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.092 | 252  | 640982   | 4.975 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.939 | 252  | 548144   | 4.783 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.068 | 278  | 594702   | 4.802 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.162 | 276  | 604771   | 4.872 | ng    | 96       |

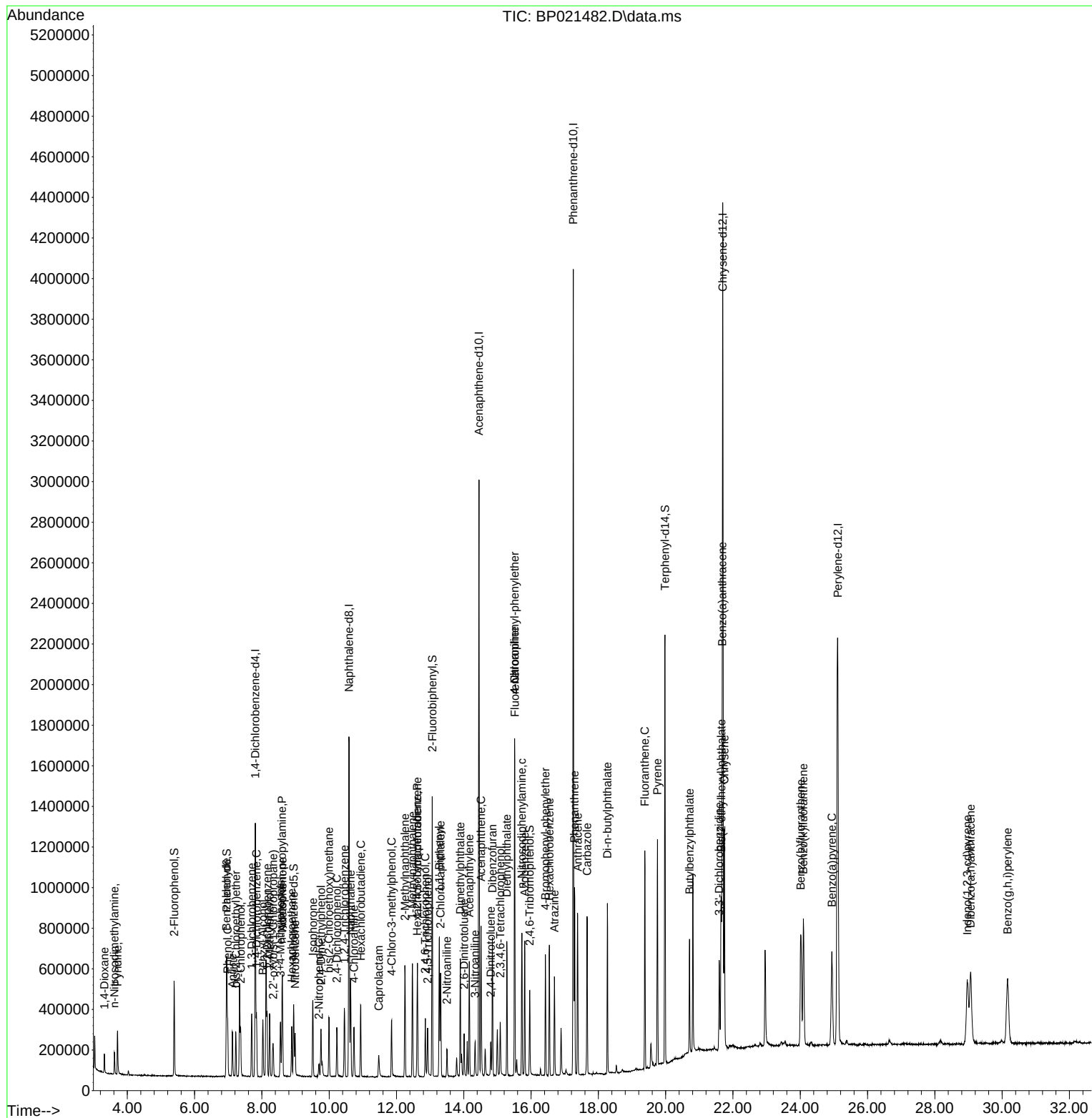
(#) = qualifier out of range (m) = manual integration (+) = signals summed

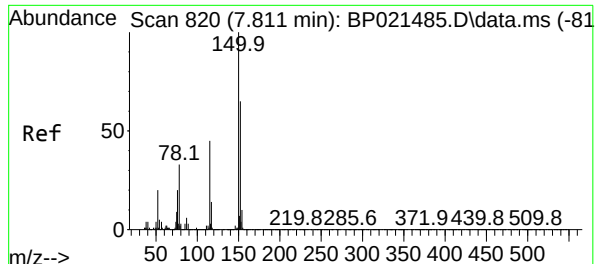
**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICC005

Quant Time: Aug 13 23:48:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 23:44:24 2024  
Response via : Initial Calibration

## Manual Integrations APPROVED

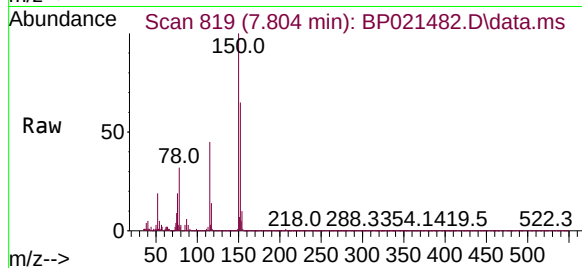
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.804 min Scan# 81  
Delta R.T. -0.007 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

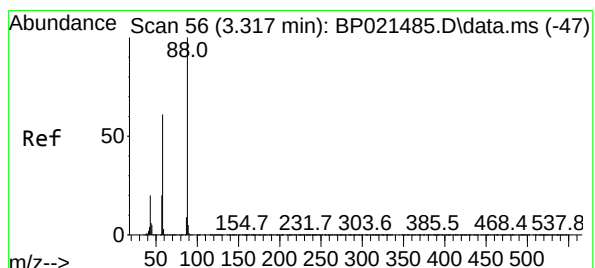
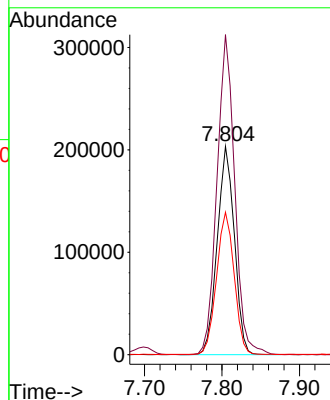
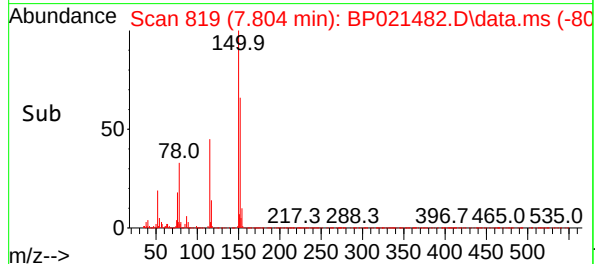
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion: 152 Resp: 312360  
Ion Ratio Lower Upper  
152 100  
150 153.6 122.4 183.6  
115 68.4 54.7 82.1

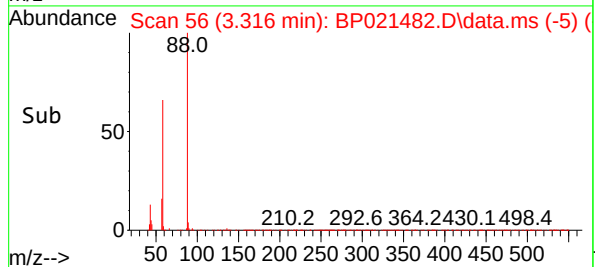
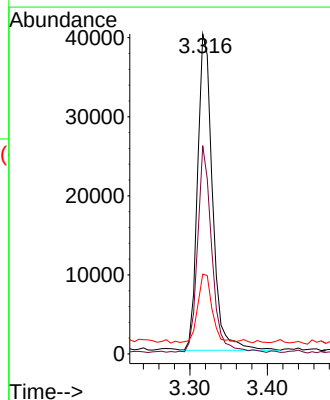
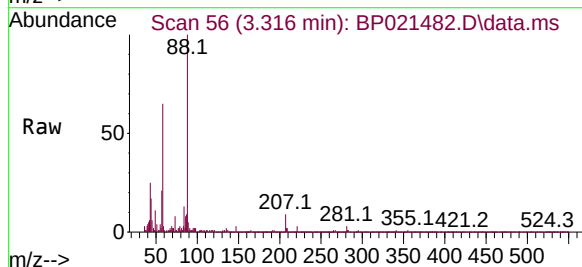
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

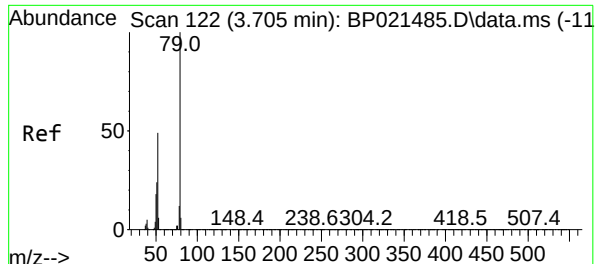


#2  
1,4-Dioxane  
Concen: 5.365 ng  
RT: 3.316 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion: 88 Resp: 53510  
Ion Ratio Lower Upper  
88 100  
58 62.2 48.7 73.1  
43 20.5 15.4 23.2







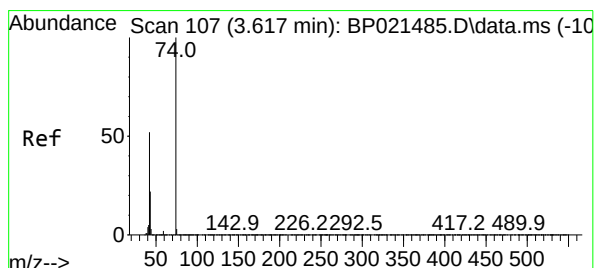
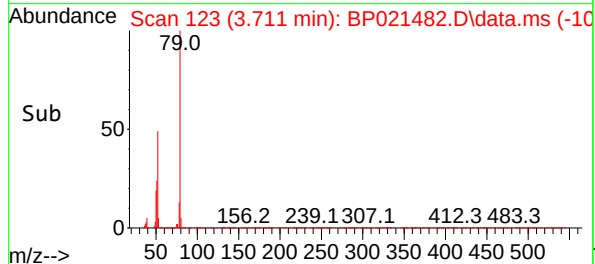
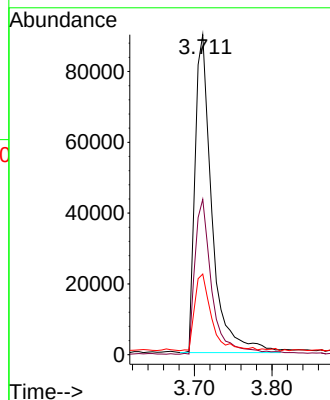
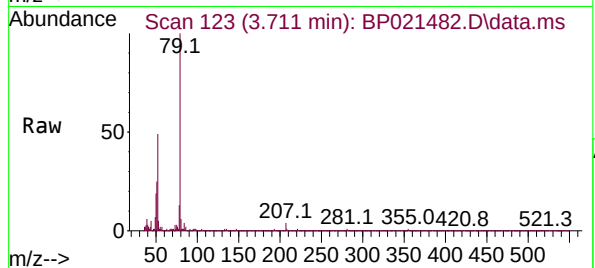
#3  
Pyridine  
Concen: 4.890 ng  
RT: 3.711 min Scan# 122  
Delta R.T. 0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion: 79 Resp: 136152  
Ion Ratio Lower Upper  
79 100  
52 48.5 39.0 58.6  
51 25.2 19.2 28.8

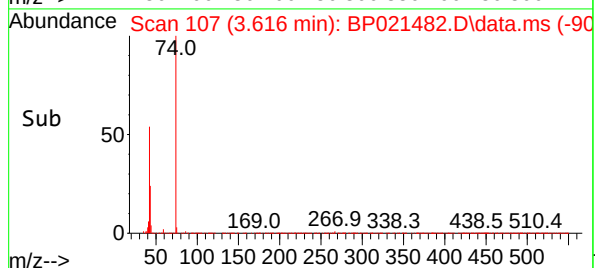
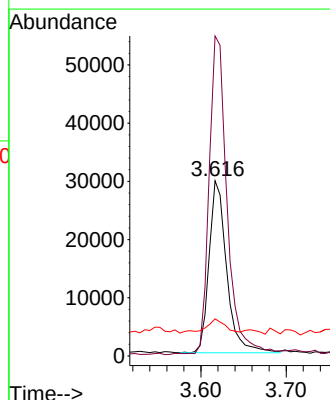
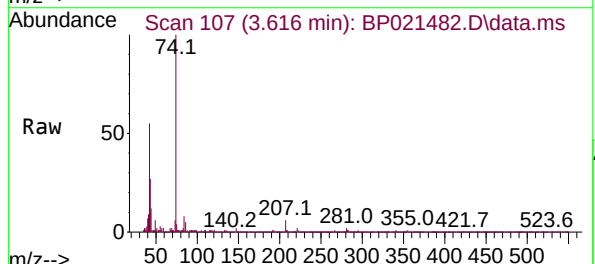
Manual Integrations  
APPROVED

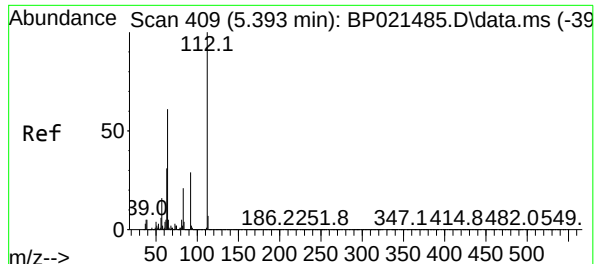
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 5.084 ng  
RT: 3.616 min Scan# 107  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion: 42 Resp: 42551  
Ion Ratio Lower Upper  
42 100  
74 182.7 154.3 231.5  
44 21.2 6.2 9.4#





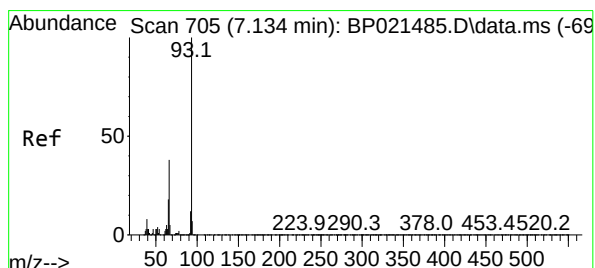
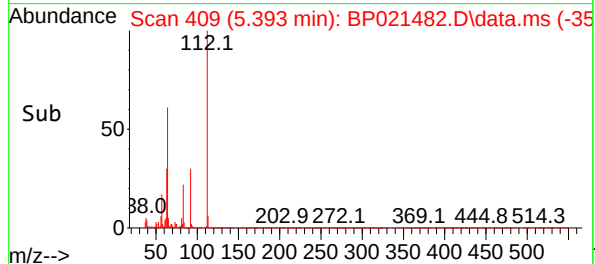
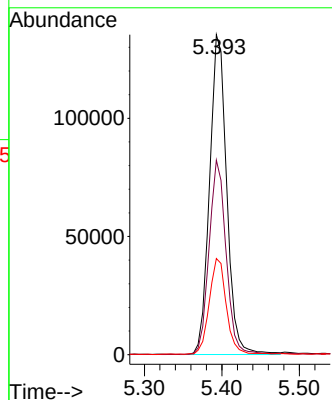
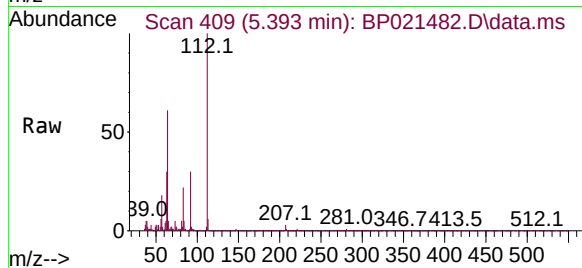
#5  
2-Fluorophenol  
Concen: 9.889 ng  
RT: 5.393 min Scan# 409  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion: 112 Resp: 20803  
Ion Ratio Lower Upper  
112 100  
64 60.8 49.0 73.6  
63 30.0 24.6 36.8

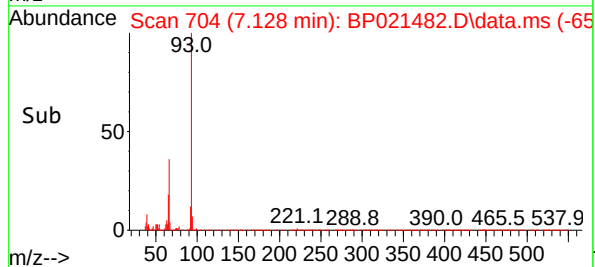
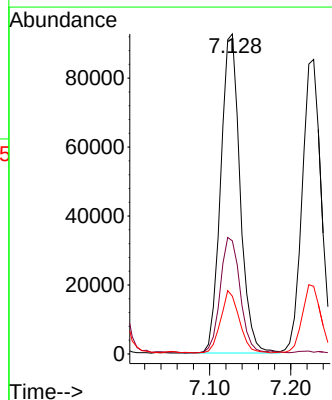
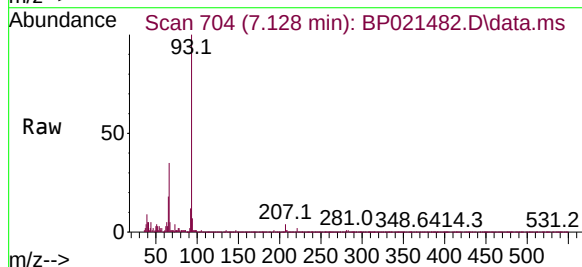
Manual Integrations  
APPROVED

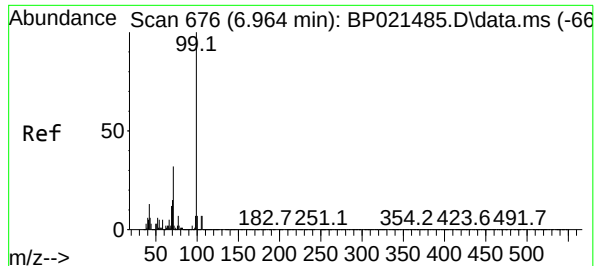
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#6  
Aniline  
Concen: 5.000 ng  
RT: 7.128 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 153398  
Ion Ratio Lower Upper  
93 100  
66 35.4 30.2 45.2  
65 18.0 14.7 22.1





#7

Phenol-d6

Concen: 9.654 ng

RT: 6.957 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

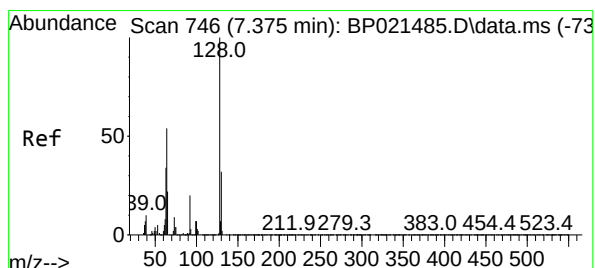
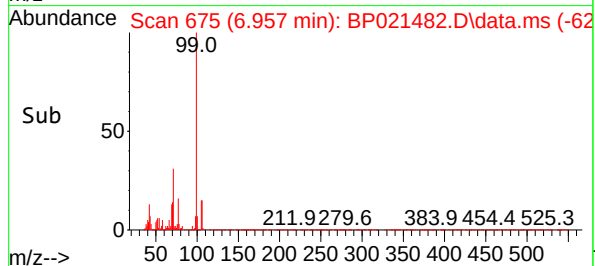
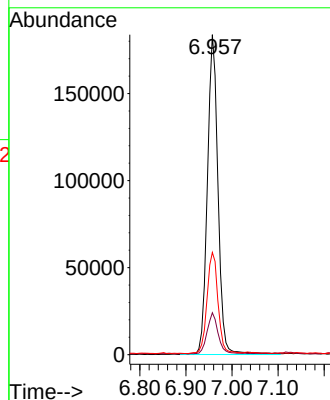
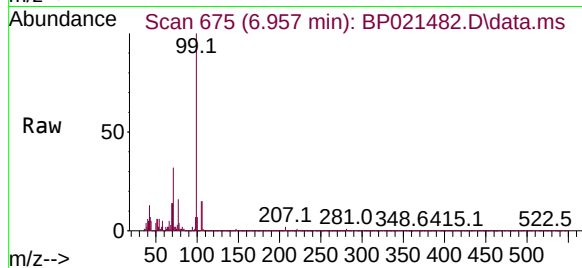
SSTDICC005

| Tgt Ion: | 99    | Resp: | 296244 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 13.1  | 10.2  | 15.4   |
| 71       | 32.0  | 25.8  | 38.8   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 4.814 ng

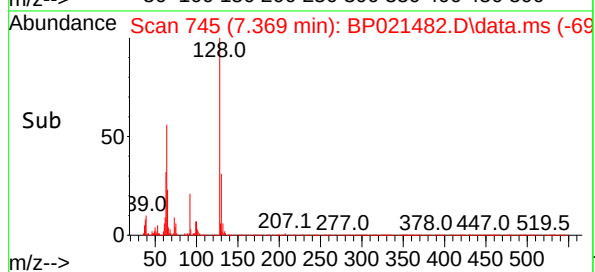
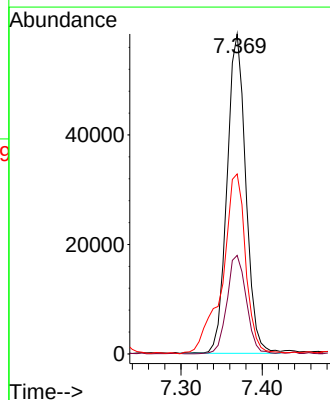
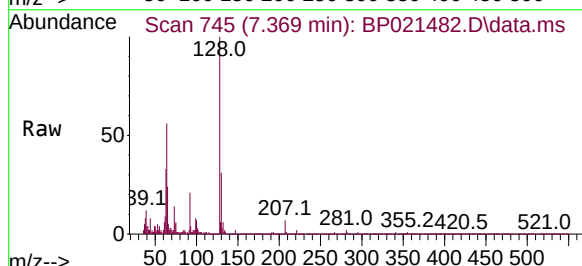
RT: 7.369 min Scan# 745

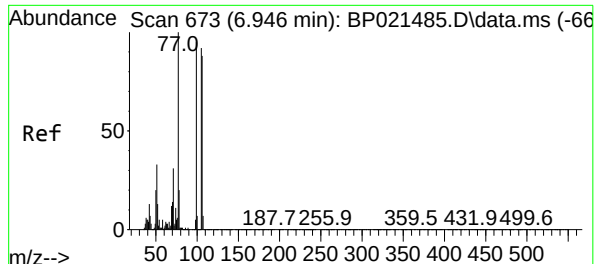
Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

| Tgt Ion: | 128   | Resp: | 93591 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 130      | 30.8  | 11.6  | 51.6  |
| 64       | 56.2  | 35.3  | 75.3  |





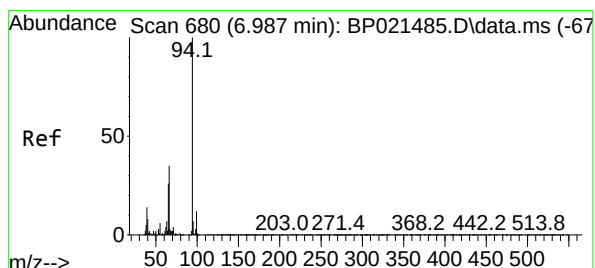
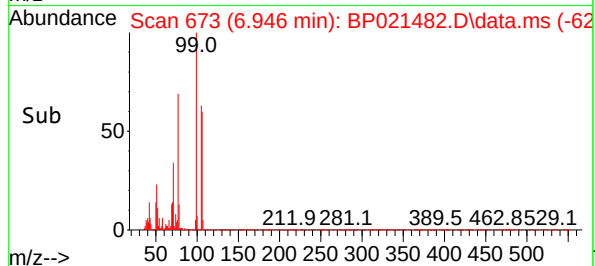
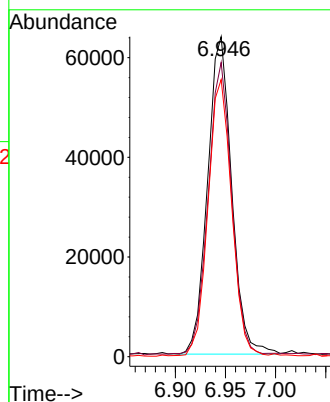
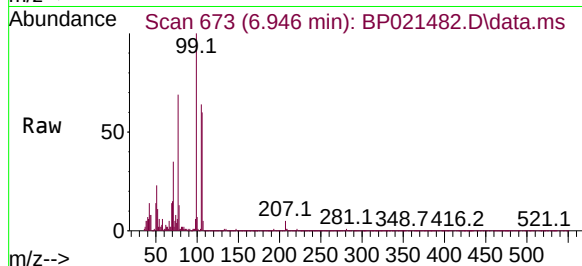
#9  
Benzaldehyde  
Concen: 5.421 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion: 77 Resp: 10651  
Ion Ratio Lower Upper  
77 100  
105 91.9 72.1 112.1  
106 86.6 67.9 107.9

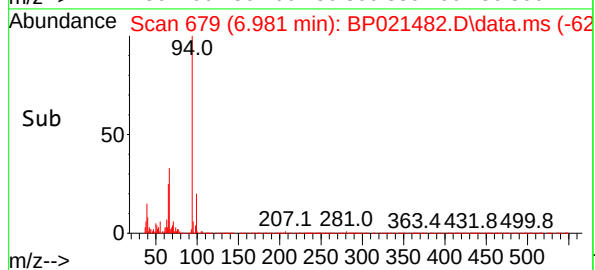
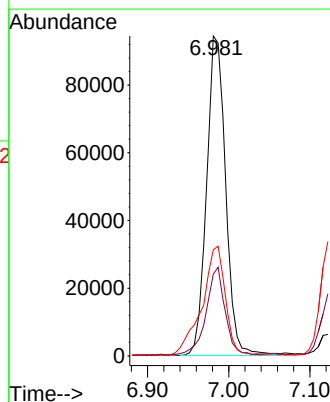
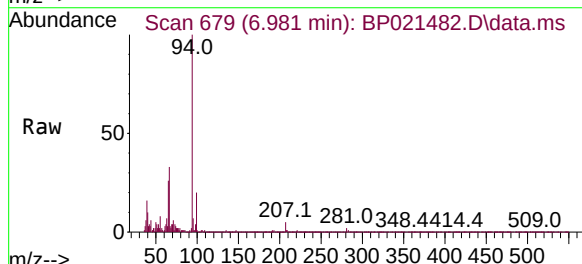
Manual Integrations  
APPROVED

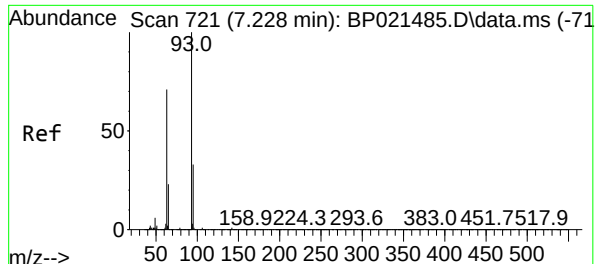
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 4.837 ng  
RT: 6.981 min Scan# 679  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion: 94 Resp: 153713  
Ion Ratio Lower Upper  
94 100  
65 25.6 6.5 46.5  
66 33.2 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 5.103 ng

RT: 7.228 min Scan# 721

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

Tgt Ion: 93 Resp: 13720

Ion Ratio Lower Upper

93 100

63 69.8 51.0 91.0

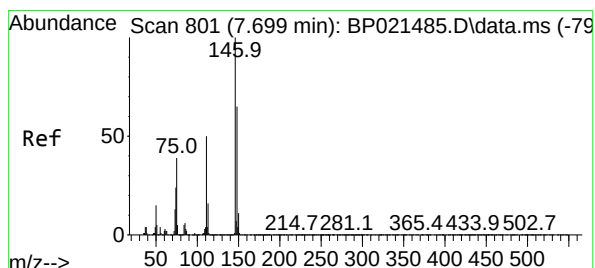
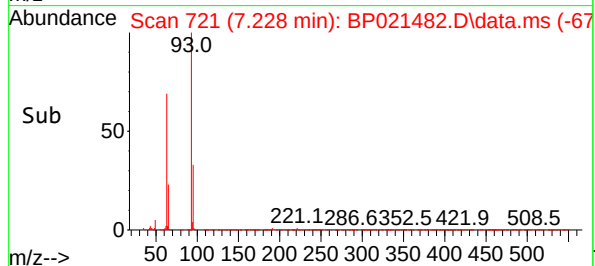
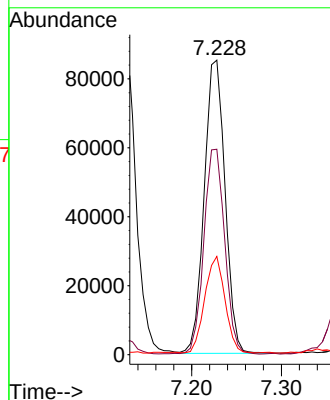
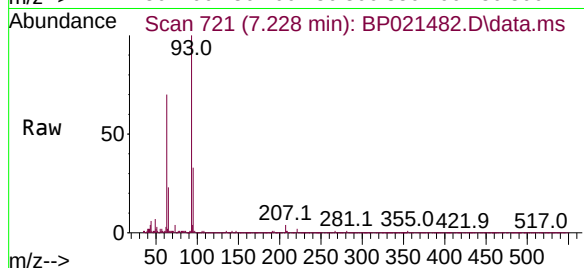
95 33.4 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 5.339 ng

RT: 7.699 min Scan# 801

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

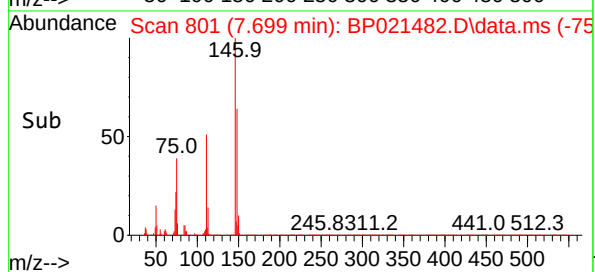
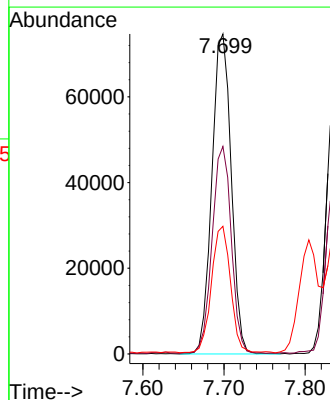
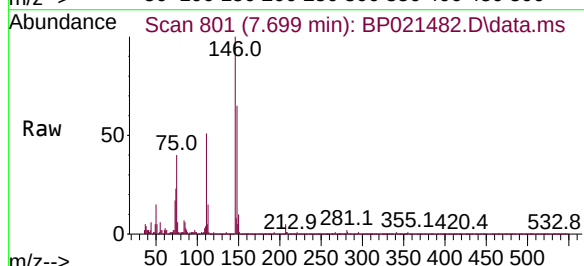
Tgt Ion:146 Resp: 123281

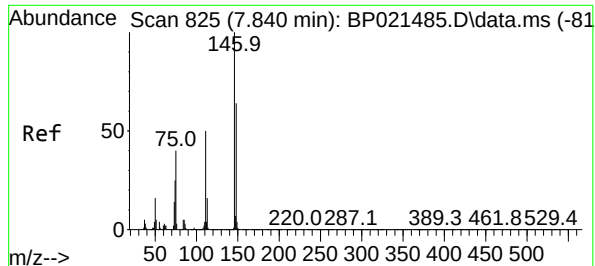
Ion Ratio Lower Upper

146 100

148 64.9 51.8 77.6

75 39.9 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 5.262 ng

RT: 7.840 min Scan# 81

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 122689

Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

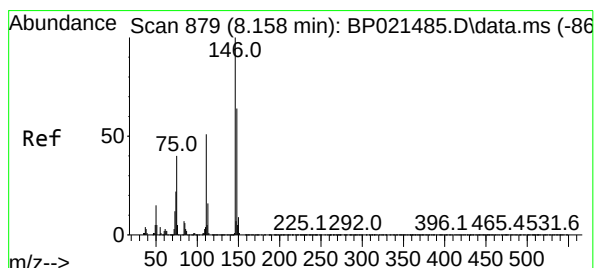
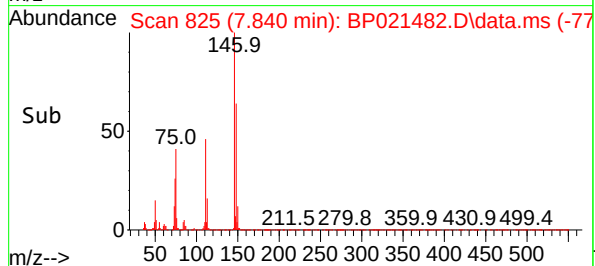
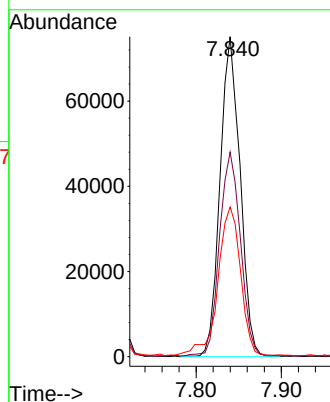
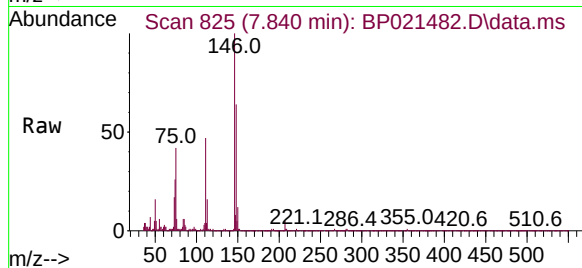
111 46.8 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 5.294 ng

RT: 8.157 min Scan# 879

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

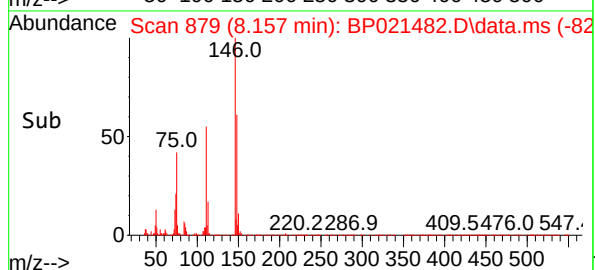
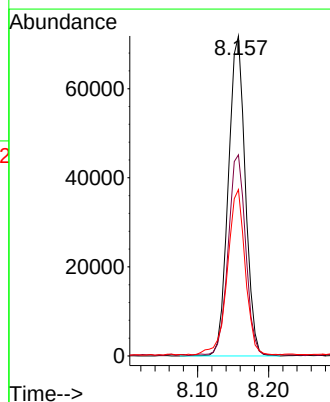
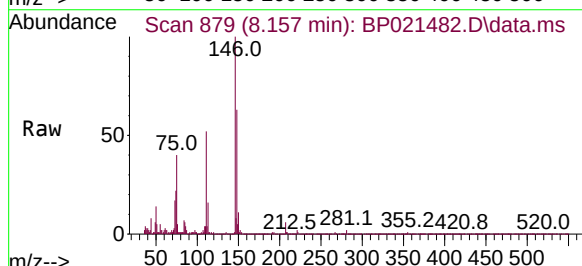
Tgt Ion:146 Resp: 118950

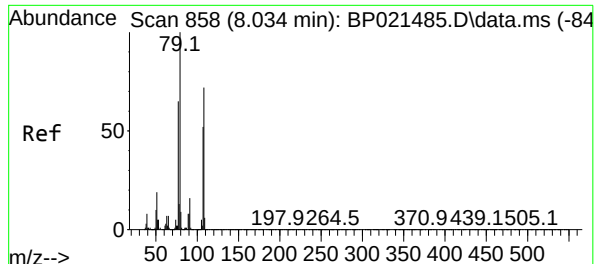
Ion Ratio Lower Upper

146 100

148 62.9 51.5 77.3

111 52.0 41.1 61.7





#15

Benzyl Alcohol

Concen: 4.631 ng

RT: 8.028 min Scan# 857

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDIC005

Tgt Ion: 79 Resp: 10196

Ion Ratio Lower Upper

79 100

108 72.8 57.9 86.9

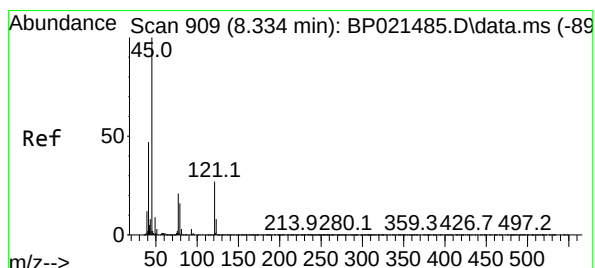
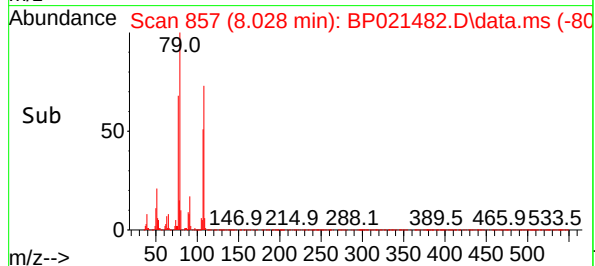
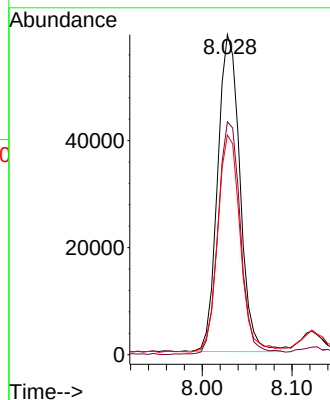
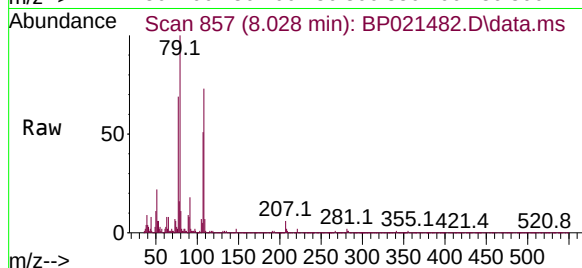
77 68.6 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.167 ng

RT: 8.334 min Scan# 909

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

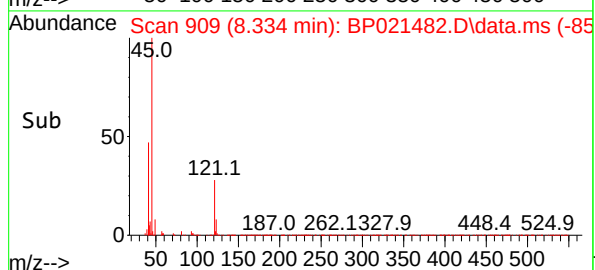
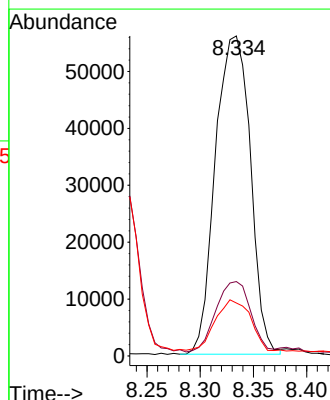
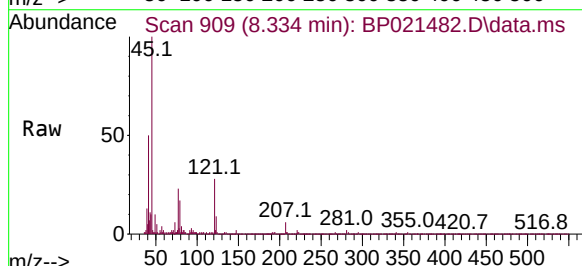
Tgt Ion: 45 Resp: 127954

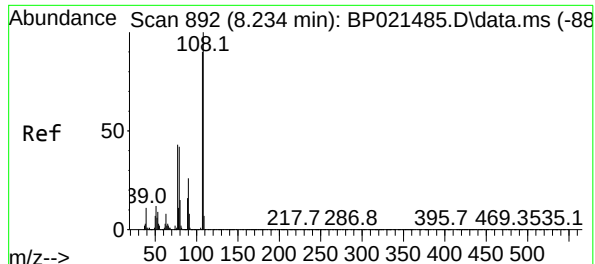
Ion Ratio Lower Upper

45 100

77 23.2 1.9 41.9

79 16.6 0.0 36.6





#17

2-Methylphenol

Concen: 4.887 ng

RT: 8.228 min Scan# 891

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

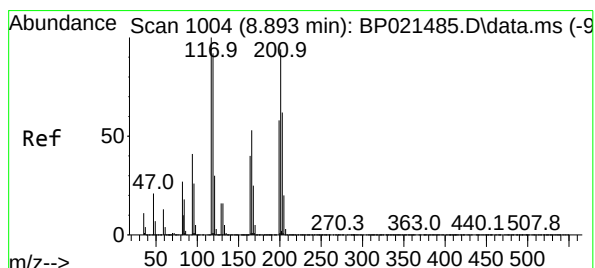
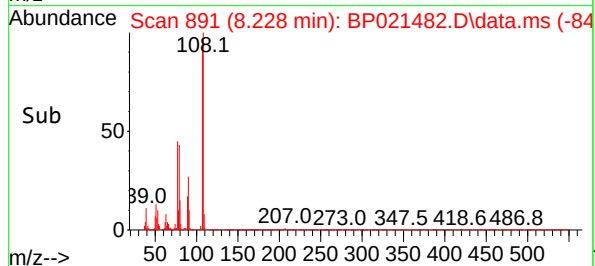
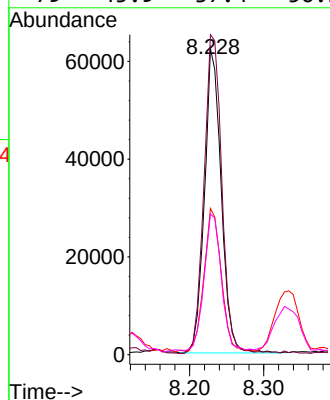
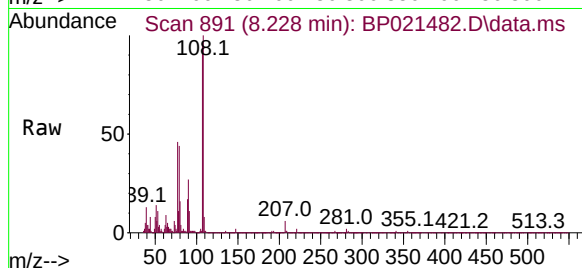
SSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 9816  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 104.6 | 88.8  | 133.2 |
| 77       | 47.8  | 38.7  | 58.1  |
| 79       | 45.9  | 37.4  | 56.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

Concen: 5.002 ng

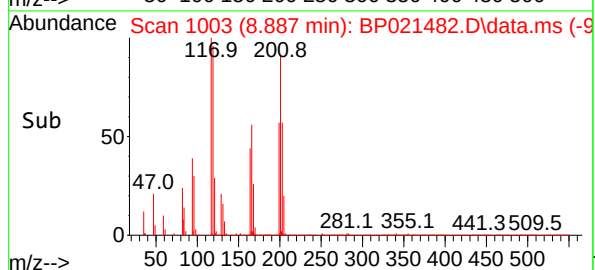
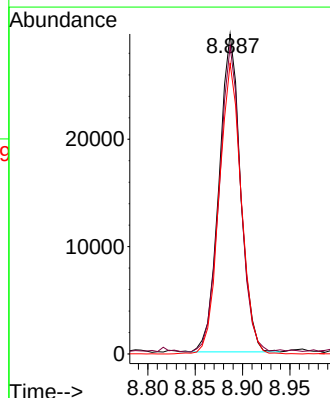
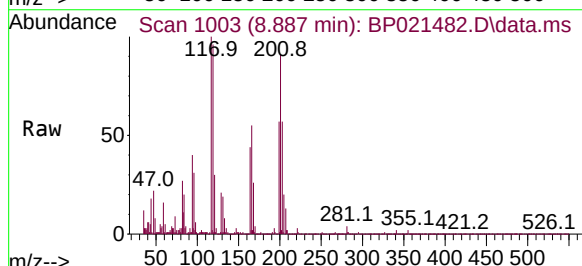
RT: 8.887 min Scan# 1003

Delta R.T. -0.006 min

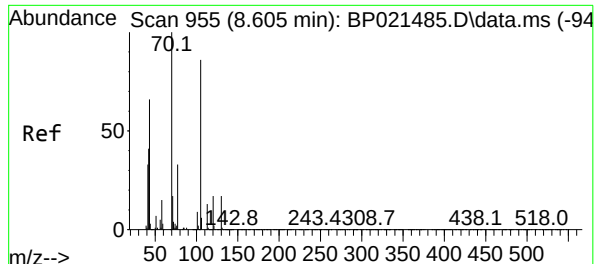
Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 46773 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.2  | 73.9  | 110.9 |
| 201      | 90.9  | 74.9  | 112.3 |







#19

n-Nitroso-di-n-propylamine

Concen: 5.291 ng

RT: 8.599 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDIC005

Tgt Ion: 70 Resp: 11215

Ion Ratio Lower Upper

70 100

42 39.4 33.1 49.7

101 9.6 7.4 11.2

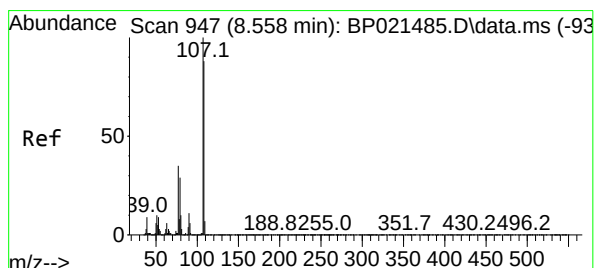
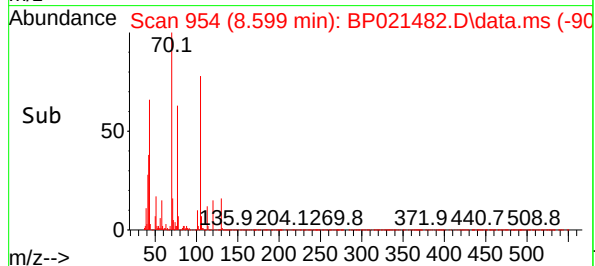
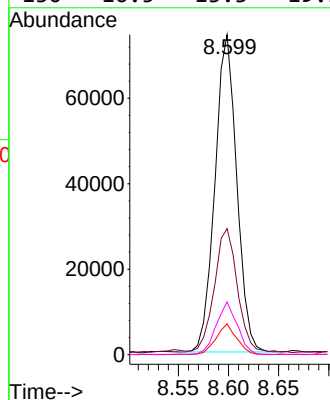
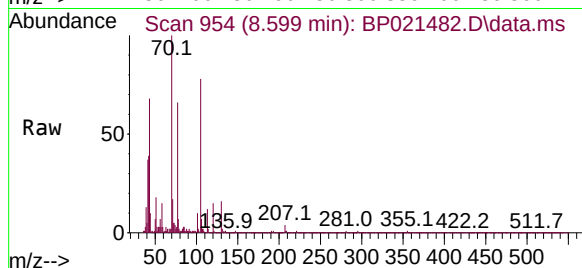
130 16.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

Concen: 4.597 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 124528

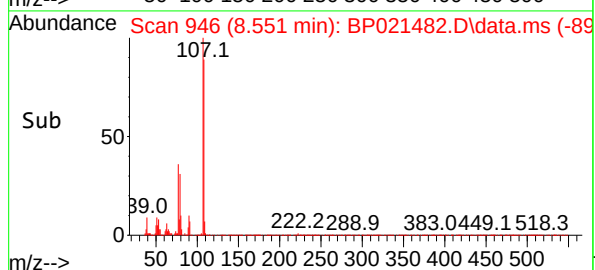
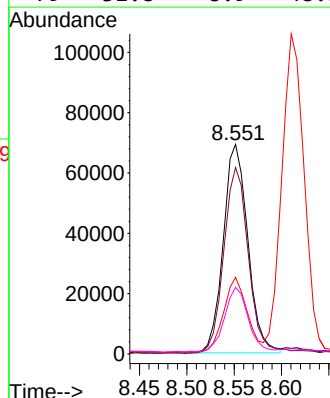
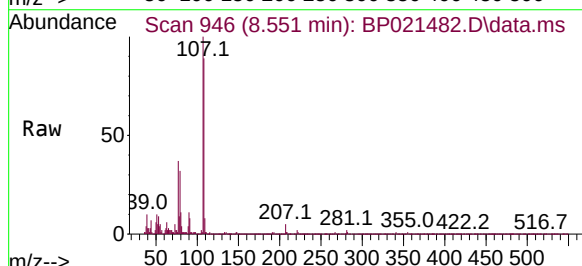
Ion Ratio Lower Upper

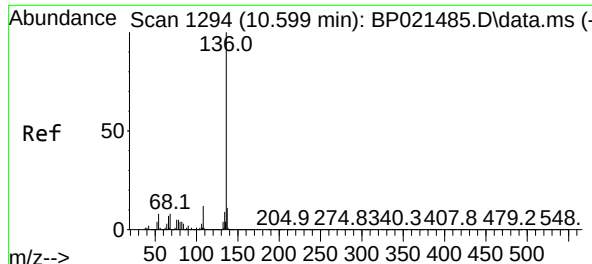
107 100

108 89.0 67.6 107.6

77 36.6 15.0 55.0

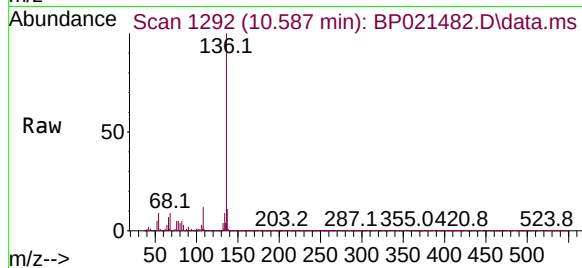
79 31.8 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.587 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

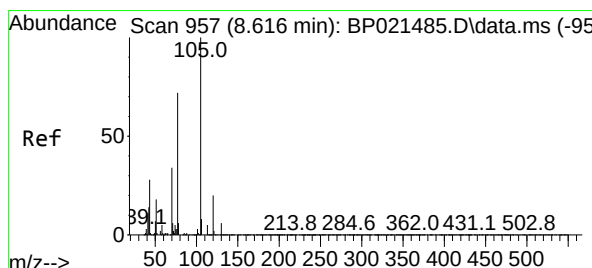
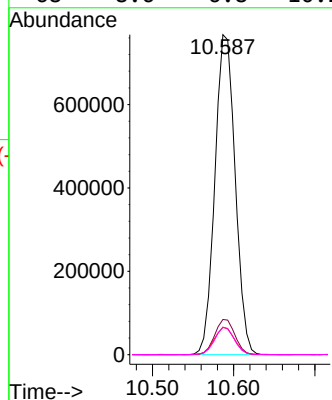
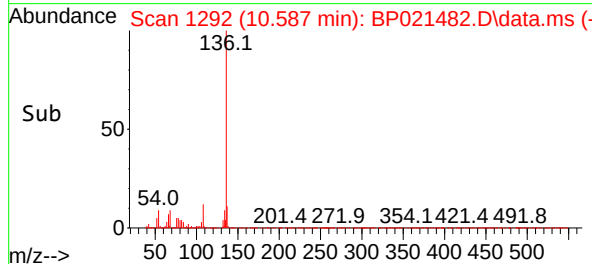
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:136 Resp: 133470  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 8.6 6.3 9.5  
68 8.6 6.8 10.2

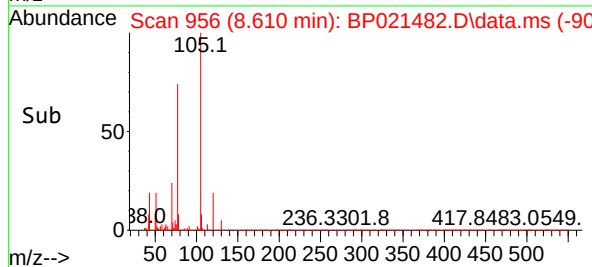
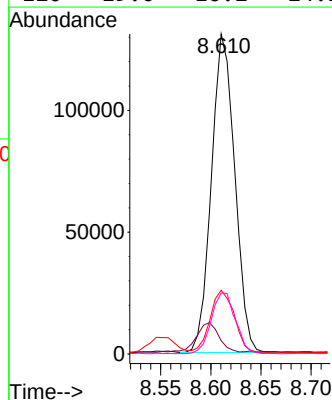
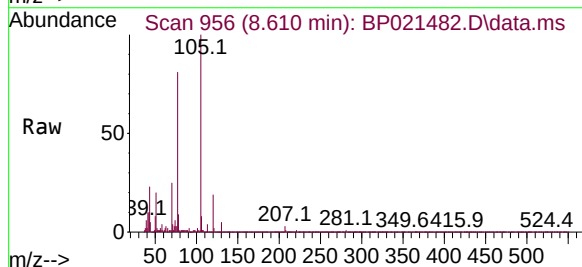
Manual Integrations  
APPROVED

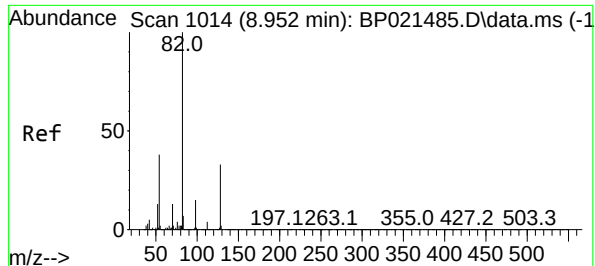
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#22  
Acetophenone  
Concen: 5.173 ng  
RT: 8.610 min Scan# 956  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:105 Resp: 212108  
Ion Ratio Lower Upper  
105 100  
71 4.2 4.6 7.0#  
51 19.9 16.3 24.5  
120 19.0 16.2 24.2





#23

Nitrobenzene-d5

Concen: 7.732 ng

RT: 8.946 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

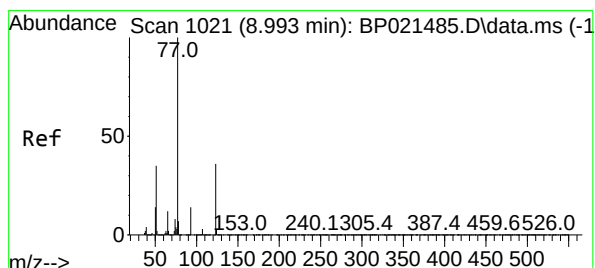
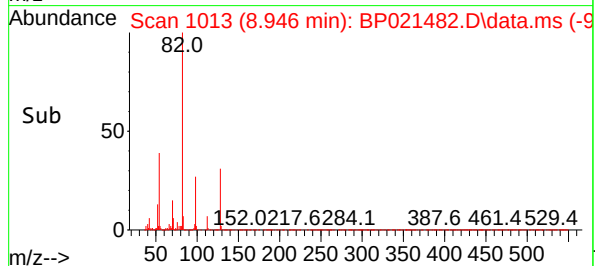
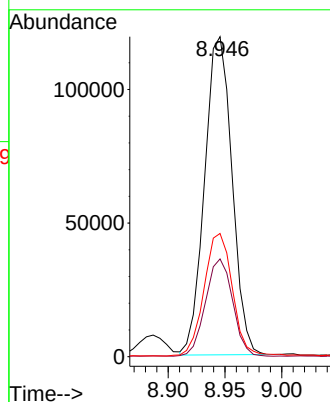
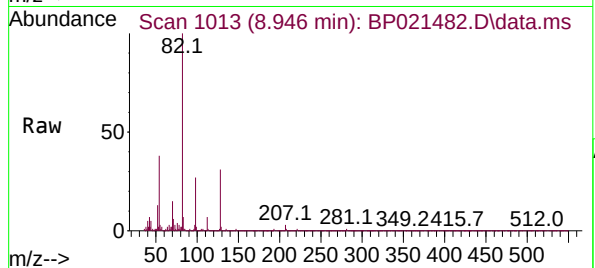
SSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 19994 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 30.5  | 26.5  | 39.7  |
| 54       | 38.5  | 30.3  | 45.5  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 4.017 ng

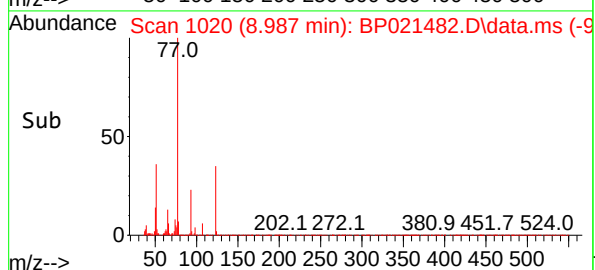
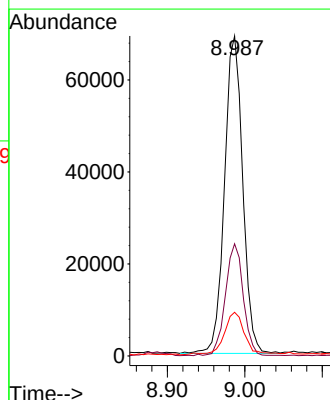
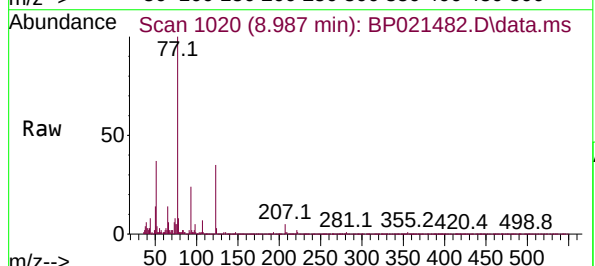
RT: 8.987 min Scan# 1020

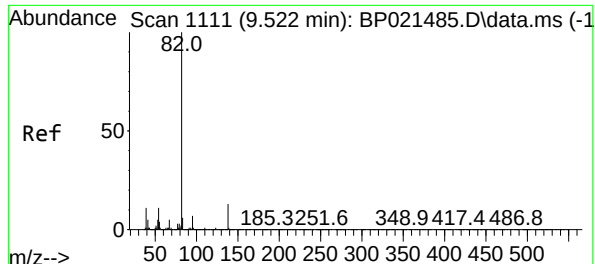
Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 112817 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 123      | 35.0  | 29.5  | 44.3   |
| 65       | 13.6  | 9.9   | 14.9   |





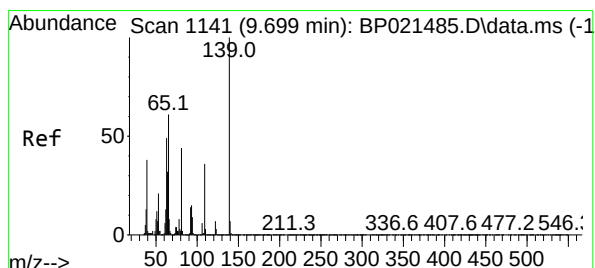
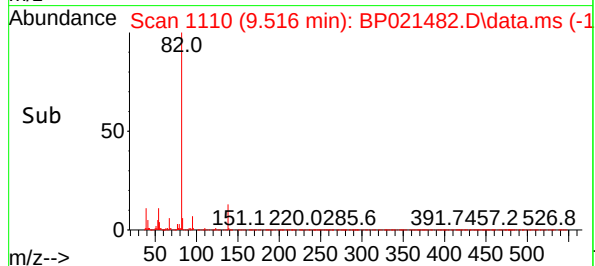
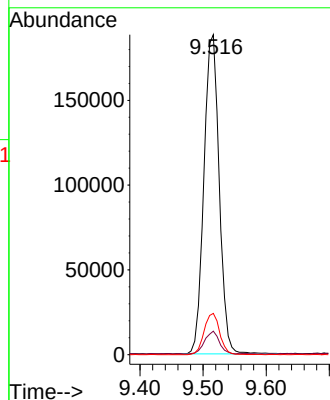
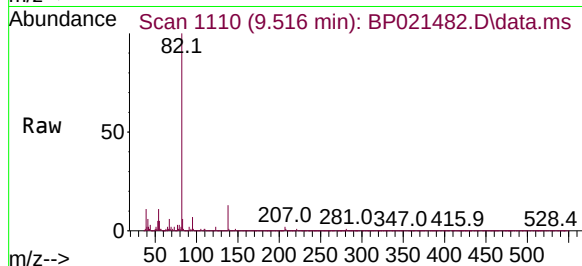
#25  
Isophorone  
Concen: 5.171 ng  
RT: 9.516 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion: 82 Resp: 315900  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.4 8.2  
138 12.9 10.6 16.0

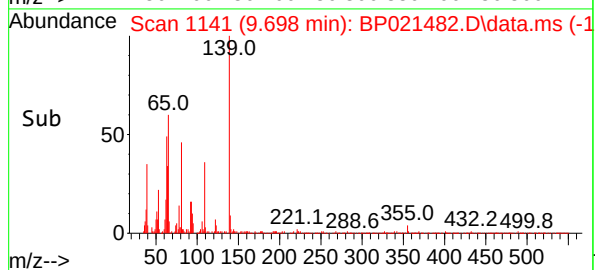
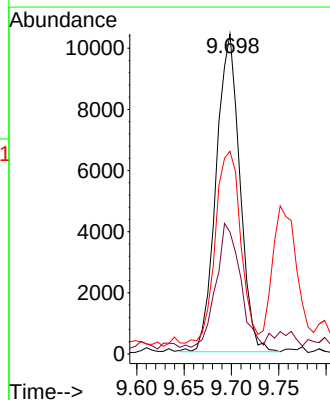
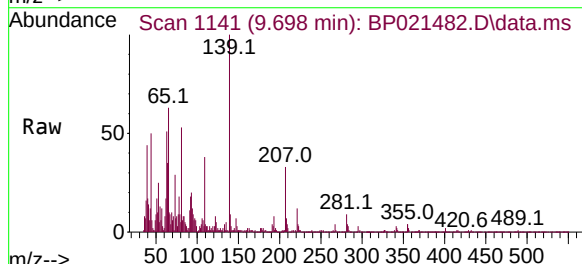
Manual Integrations  
APPROVED

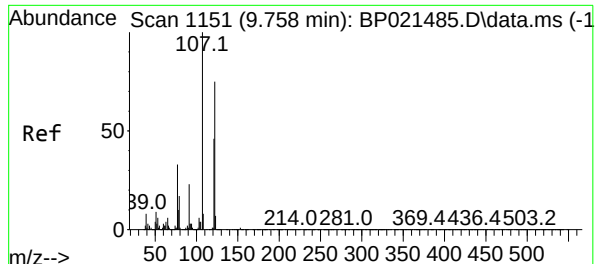
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#26  
2-Nitrophenol  
Concen: 4.396 ng  
RT: 9.698 min Scan# 1141  
Delta R.T. -0.001 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:139 Resp: 18035  
Ion Ratio Lower Upper  
139 100  
109 38.1 28.9 43.3  
65 63.3 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 4.826 ng

RT: 9.757 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

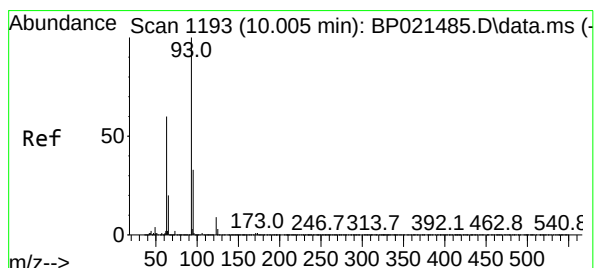
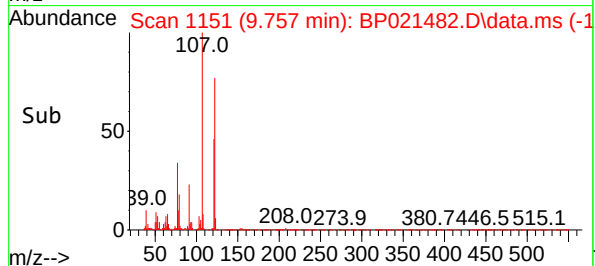
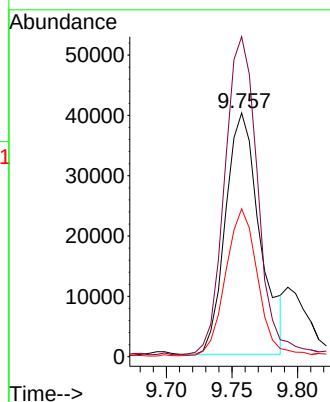
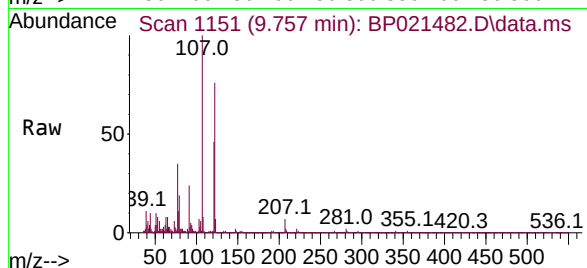
SSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 72762 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 131.3 | 106.2 | 159.4 |
| 121      | 60.7  | 48.8  | 73.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 5.167 ng

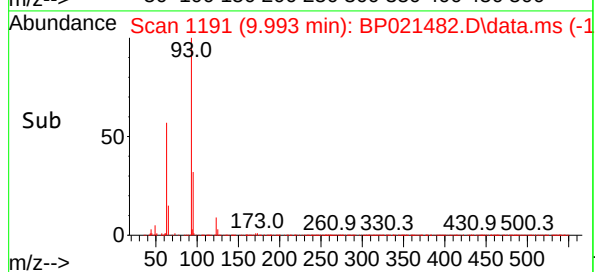
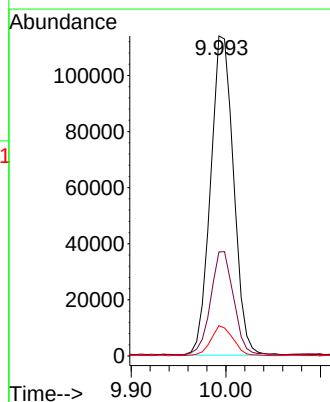
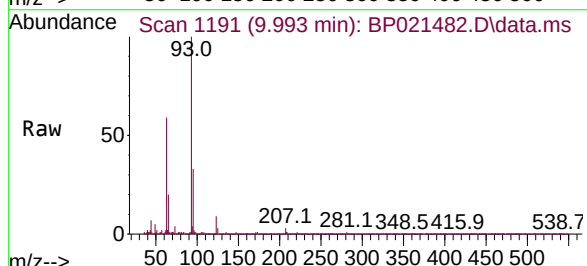
RT: 9.993 min Scan# 1191

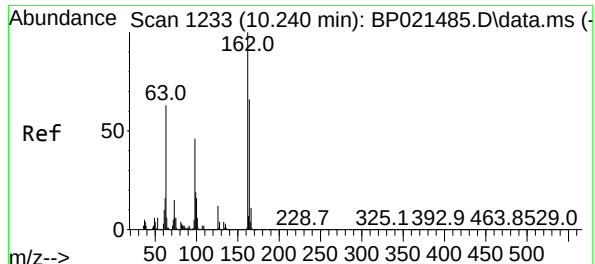
Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 192662 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.5  | 26.2  | 39.4   |
| 123      | 9.5   | 7.6   | 11.4   |





#29

2,4-Dichlorophenol

Concen: 4.228 ng

RT: 10.228 min Scan# 1231

Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

Tgt Ion:162 Resp: 7531

Ion Ratio Lower Upper

162 100

164 67.8 45.9 85.9

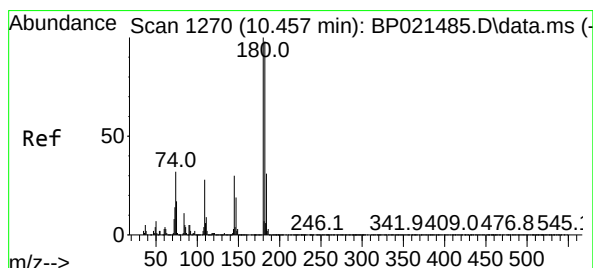
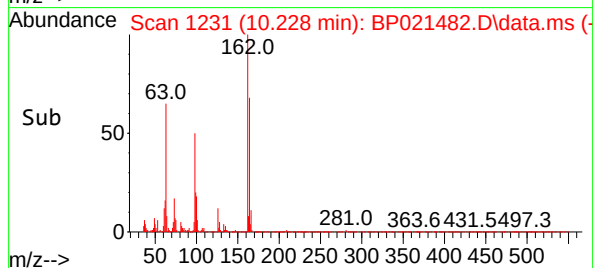
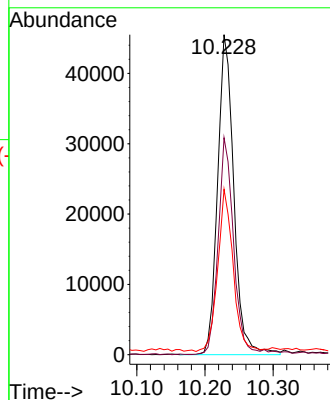
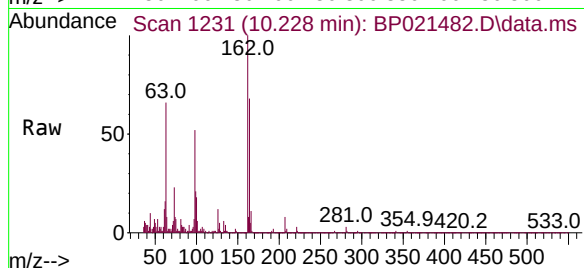
98 51.7 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#30

1,2,4-Trichlorobenzene

Concen: 5.186 ng

RT: 10.451 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

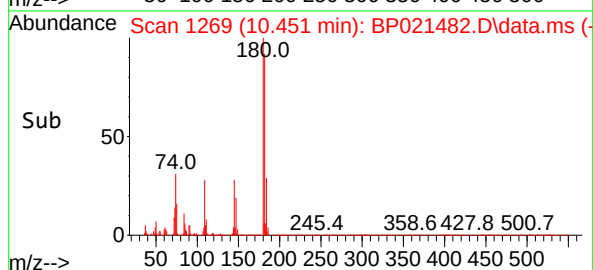
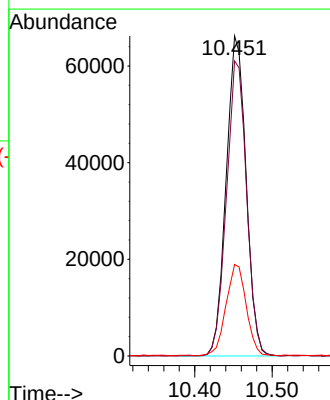
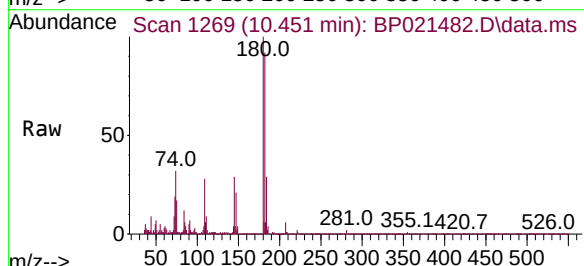
Tgt Ion:180 Resp: 118446

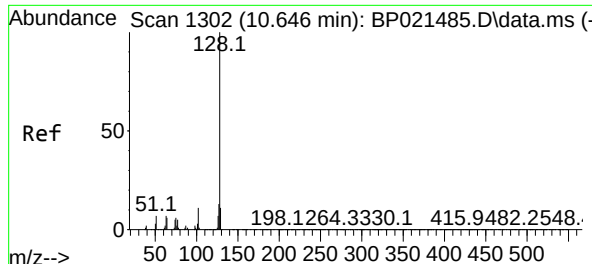
Ion Ratio Lower Upper

180 100

182 92.2 78.3 117.5

145 28.6 24.0 36.0





#31

Naphthalene

Concen: 5.189 ng

RT: 10.640 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

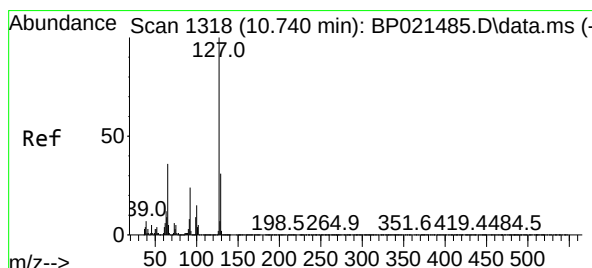
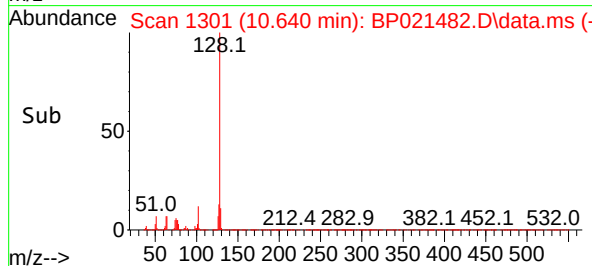
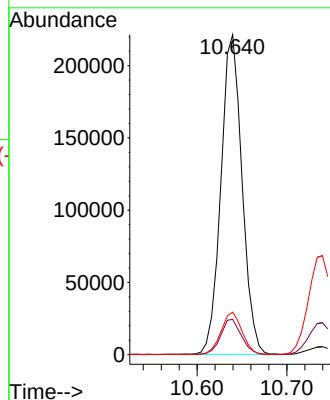
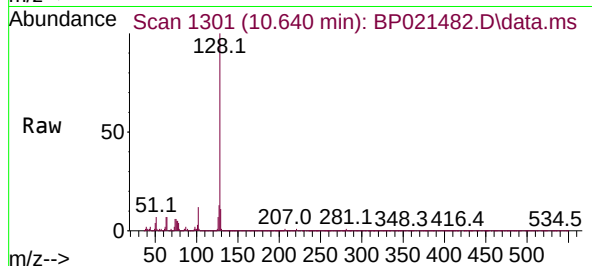
SSTDICC005

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 361804 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 11.0  | 8.6   | 12.8   |
| 127      | 13.3  | 10.6  | 15.8   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#33

4-Chloroaniline

Concen: 5.015 ng

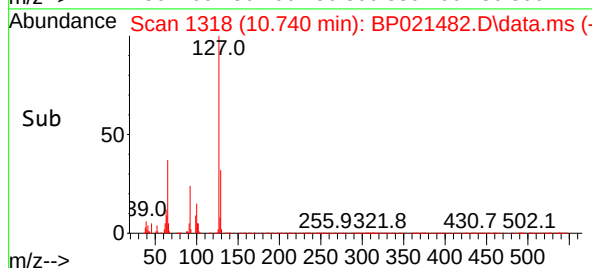
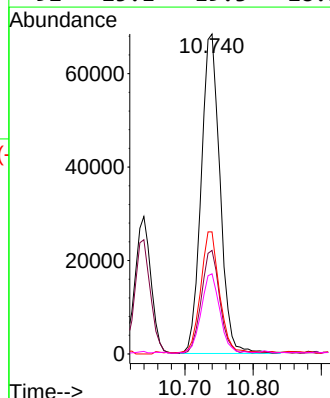
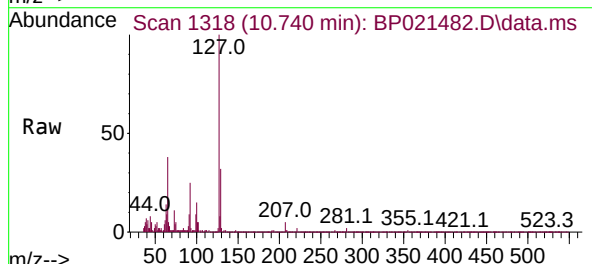
RT: 10.740 min Scan# 1318

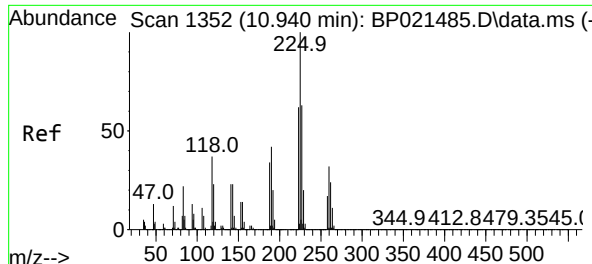
Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 131360 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 24.5  | 36.7   |
| 65       | 38.1  | 28.9  | 43.3   |
| 92       | 25.1  | 19.3  | 28.9   |





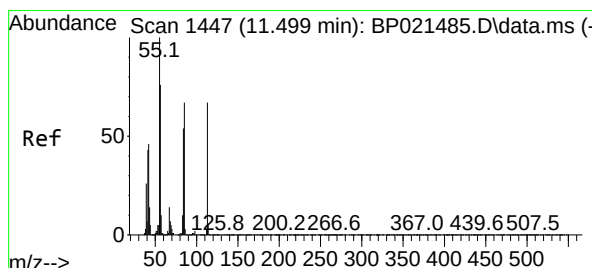
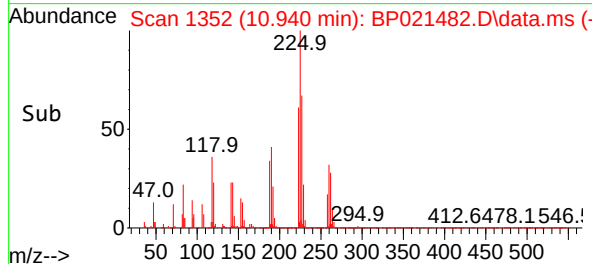
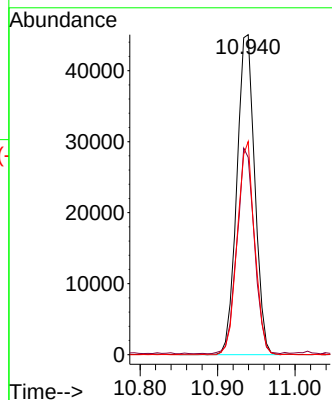
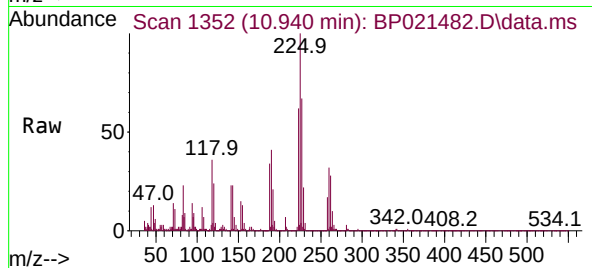
#34  
Hexachlorobutadiene  
Concen: 5.038 ng  
RT: 10.940 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion:225 Resp: 72430  
Ion Ratio Lower Upper  
225 100  
223 61.7 49.6 74.4  
227 66.6 50.1 75.1

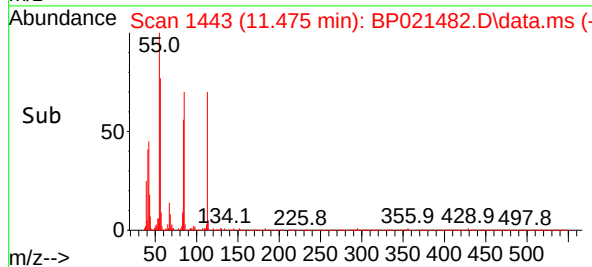
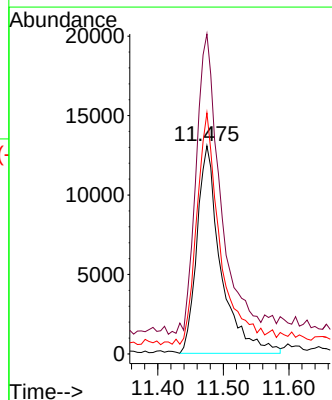
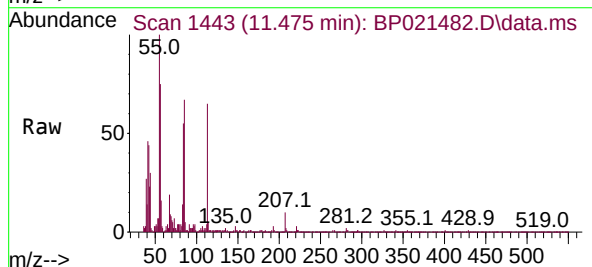
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

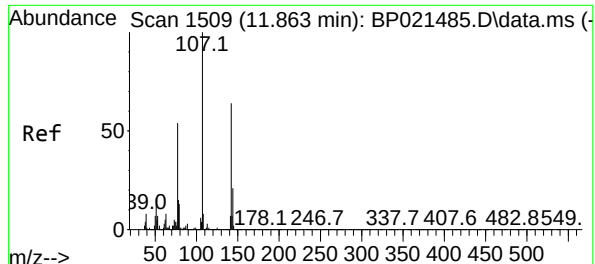


#35  
Caprolactam  
Concen: 4.463 ng  
RT: 11.475 min Scan# 1443  
Delta R.T. -0.024 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:113 Resp: 33090  
Ion Ratio Lower Upper  
113 100  
55 153.8 130.6 170.6  
56 115.8 94.6 134.6







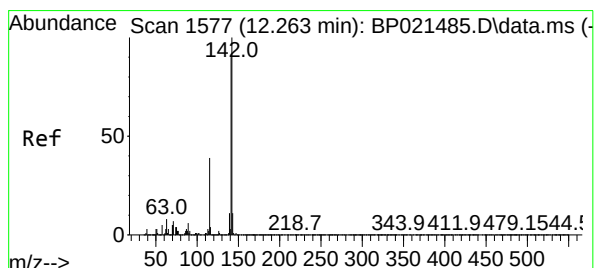
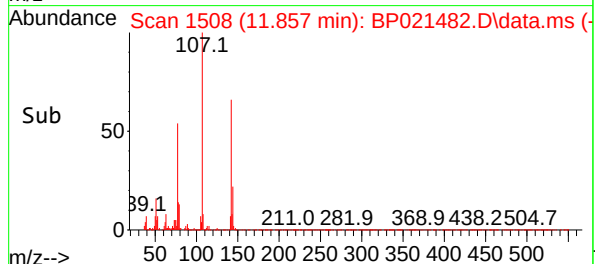
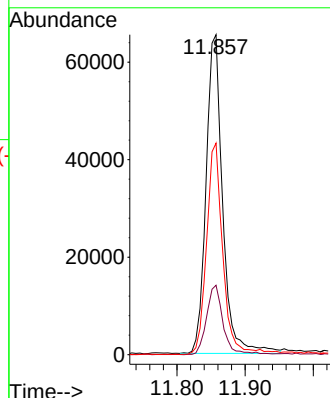
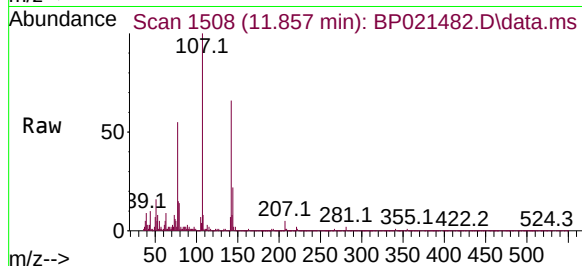
#36  
4-Chloro-3-methylphenol  
Concen: 4.481 ng  
RT: 11.857 min Scan# 110730  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion:107 Resp: 110730  
Ion Ratio Lower Upper  
107 100  
144 21.7 16.6 24.8  
142 66.1 51.0 76.4

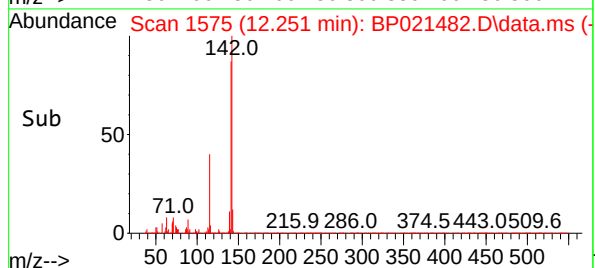
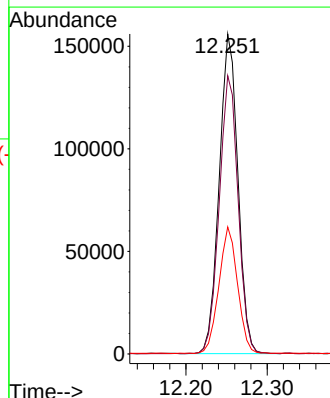
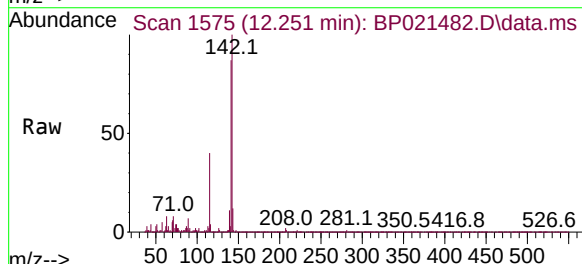
Manual Integrations  
APPROVED

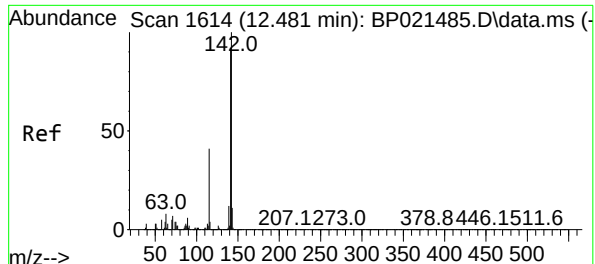
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#37  
2-Methylnaphthalene  
Concen: 5.238 ng  
RT: 12.251 min Scan# 1575  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

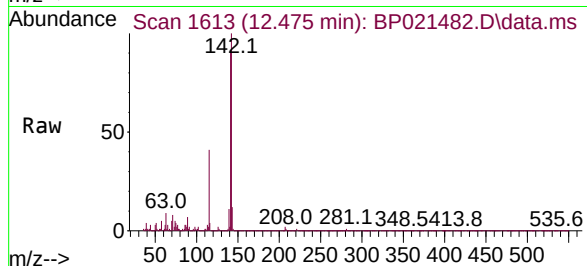
Tgt Ion:142 Resp: 249268  
Ion Ratio Lower Upper  
142 100  
141 87.0 71.7 107.5  
115 39.7 31.4 47.2





#38  
1-Methylnaphthalene  
Concen: 5.276 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

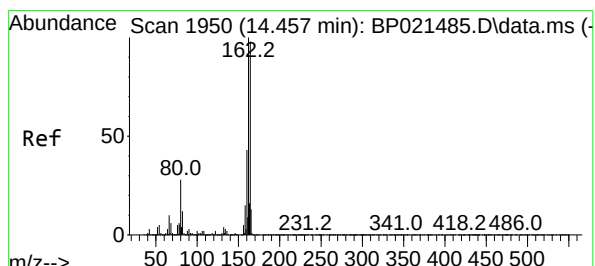
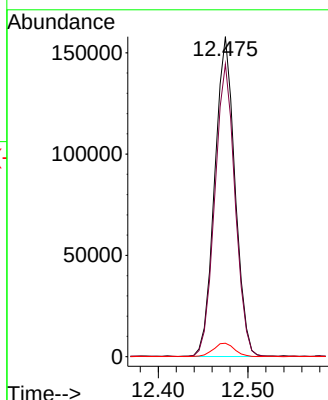
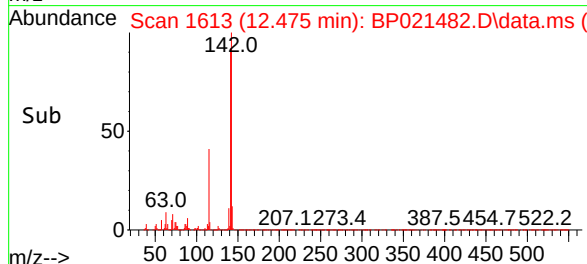
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



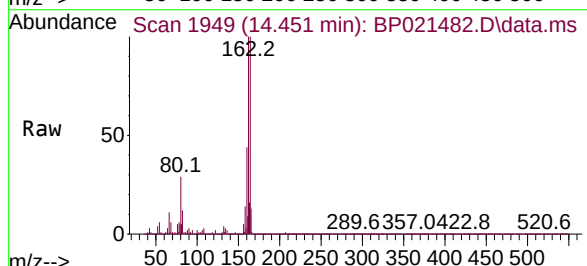
Tgt Ion:142 Resp: 24761  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.5 110.3  
116 4.2 3.4 5.2

Manual Integrations  
APPROVED

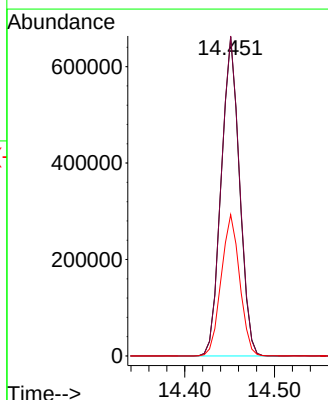
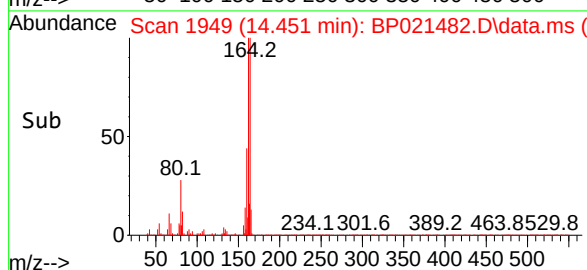
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

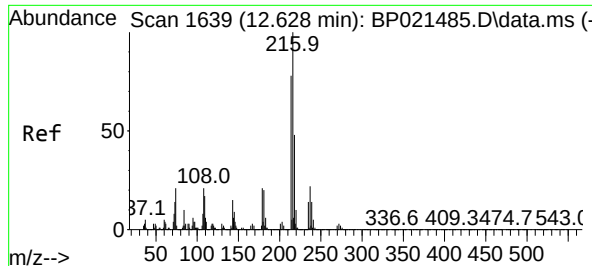


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.451 min Scan# 1949  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15



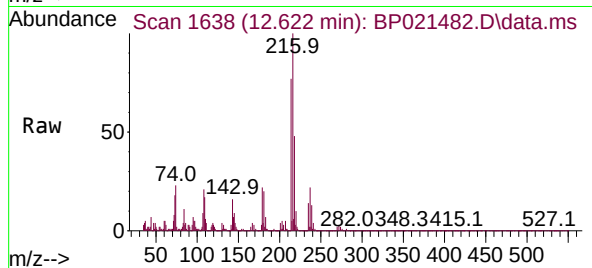
Tgt Ion:164 Resp: 933864  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.5 122.3  
160 44.3 35.2 52.8





#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.894 ng  
RT: 12.622 min Scan# 1638  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

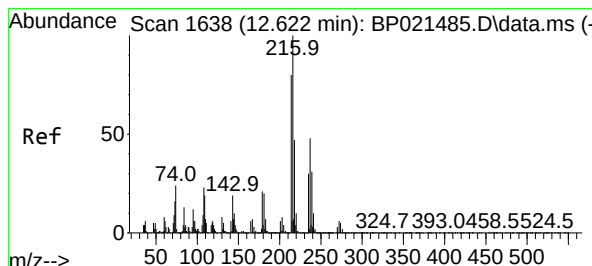
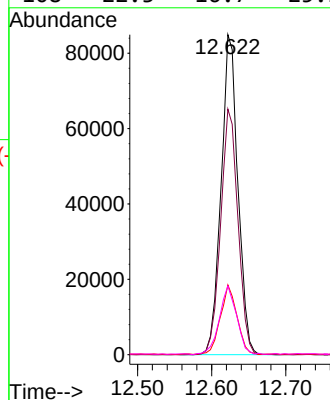
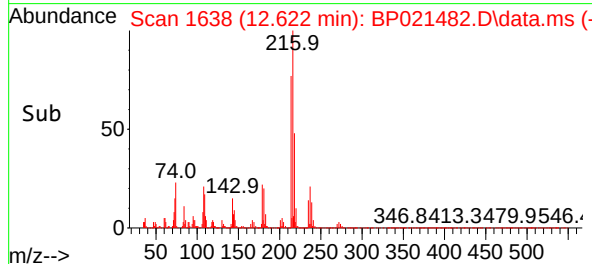
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC005



Tgt Ion: 216 Resp: 133910  
Ion Ratio Lower Upper  
216 100  
214 78.9 62.5 93.7  
179 21.4 16.4 24.6  
108 22.3 16.7 25.1

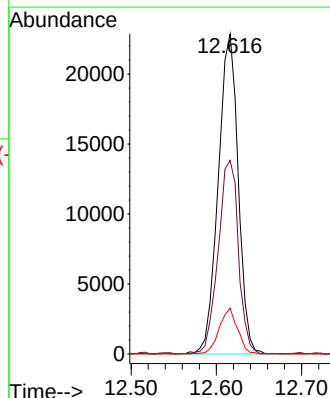
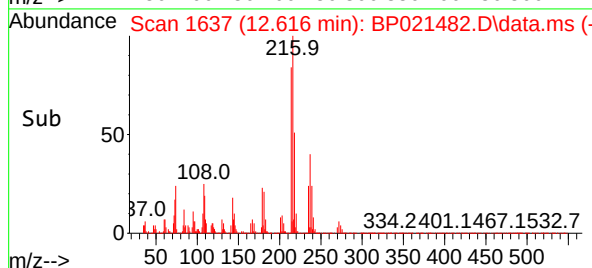
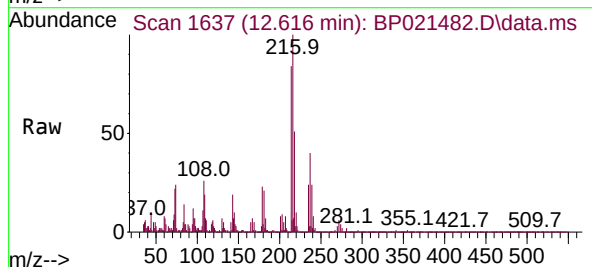
Manual Integrations  
APPROVED

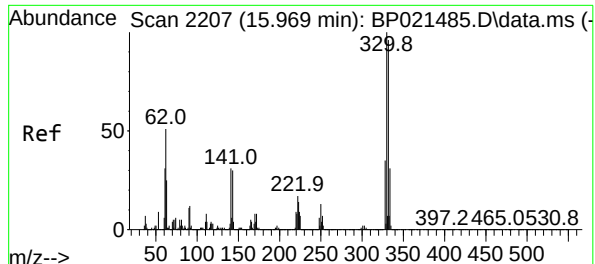
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#41  
Hexachlorocyclopentadiene  
Concen: 4.288 ng  
RT: 12.616 min Scan# 1637  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion: 237 Resp: 37190  
Ion Ratio Lower Upper  
237 100  
235 60.5 43.9 83.9  
272 14.3 0.0 33.3





#42

2,4,6-Tribromophenol

Concen: 8.063 ng

RT: 15.963 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

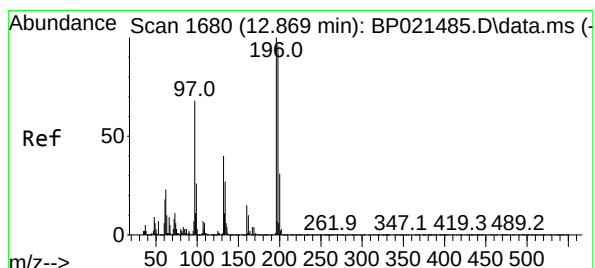
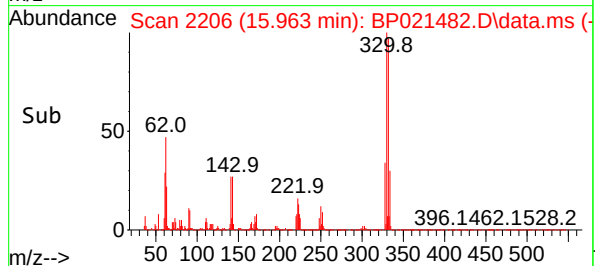
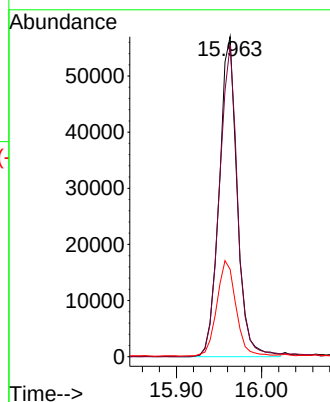
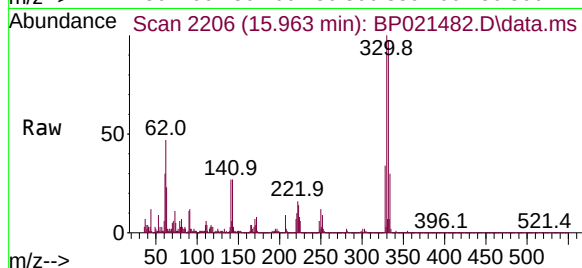
Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 83800 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 99.0  | 77.4  | 116.0 |
| 141       | 31.6  | 24.5  | 36.7  |

Manual Integrations  
APPROVEDReviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

#43

2,4,6-Trichlorophenol

Concen: 4.003 ng

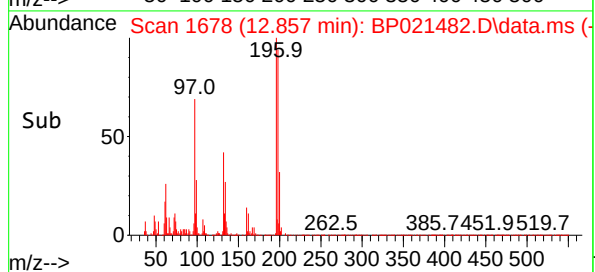
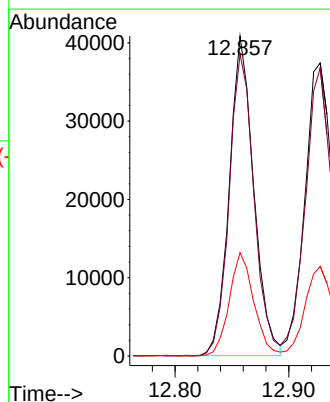
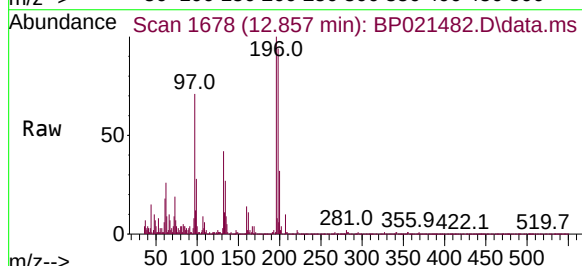
RT: 12.857 min Scan# 1678

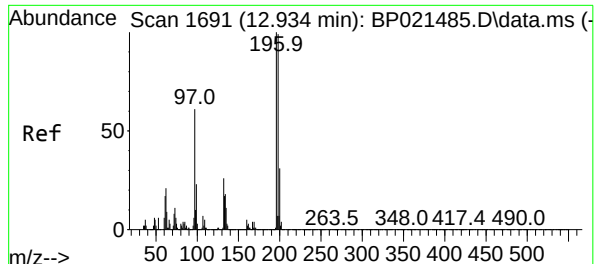
Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

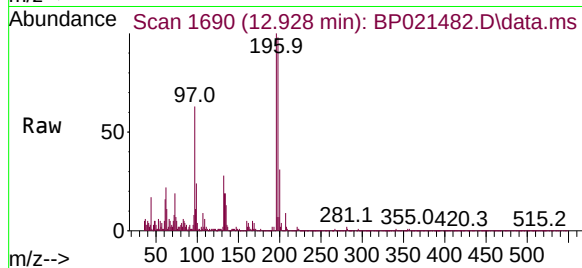
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 60845 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 94.2  | 76.6  | 114.8 |
| 200       | 32.3  | 24.5  | 36.7  |





#44  
2,4,5-Trichlorophenol  
Concen: 3.926 ng  
RT: 12.928 min Scan# 1690  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

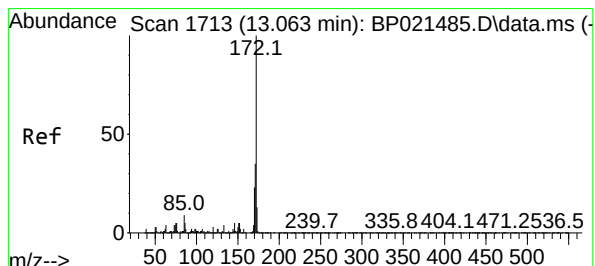
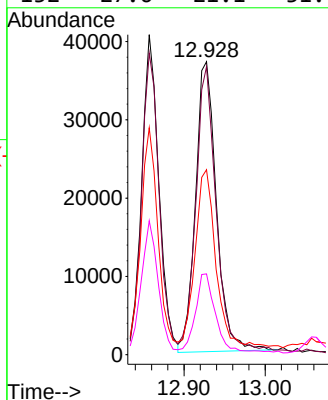
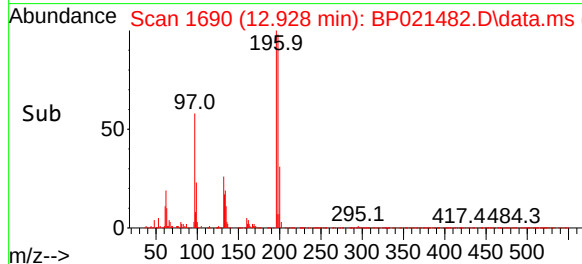
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:196 Resp: 66300  
Ion Ratio Lower Upper  
196 100  
198 98.3 78.9 118.3  
97 63.1 49.4 74.0  
132 27.6 21.1 31.7

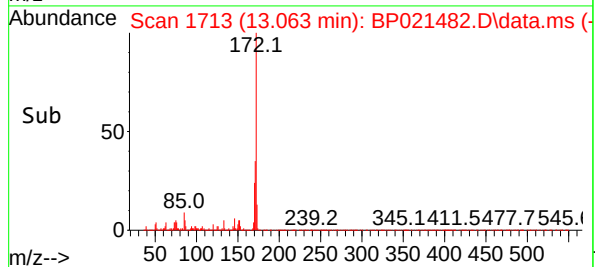
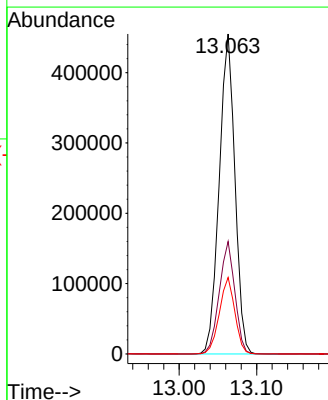
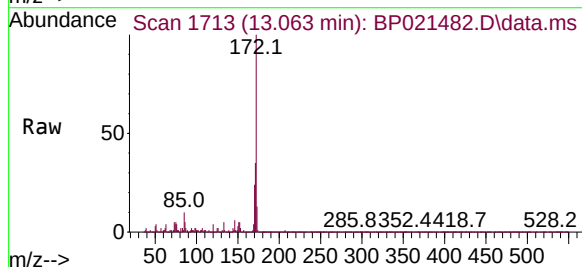
Manual Integrations  
APPROVED

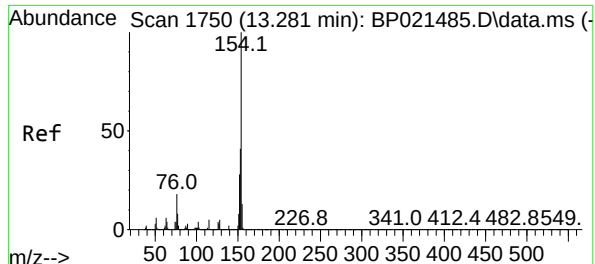
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#45  
2-Fluorobiphenyl  
Concen: 10.464 ng  
RT: 13.063 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:172 Resp: 640316  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.2 42.4  
170 23.9 18.4 27.6





#46

1,1'-Biphenyl

Concen: 5.168 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

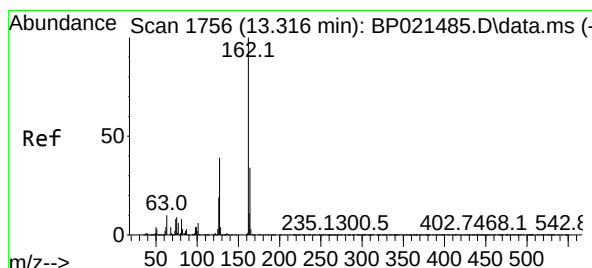
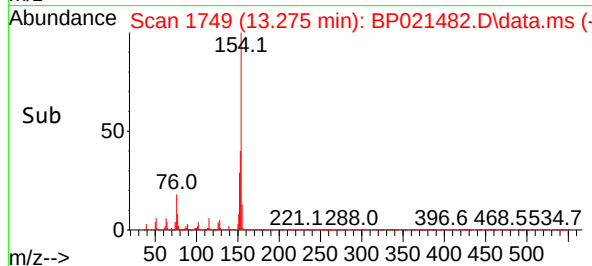
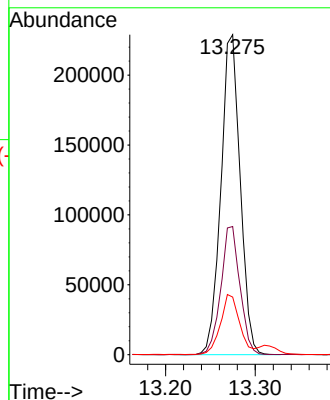
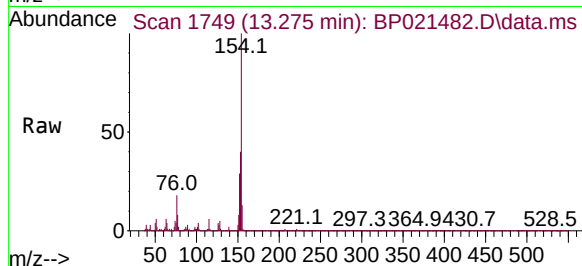
SSTDICC005

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 341430 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.1  | 20.7  | 60.7   |
| 76        | 18.0  | 0.0   | 37.7   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#47

2-Chloronaphthalene

Concen: 5.089 ng

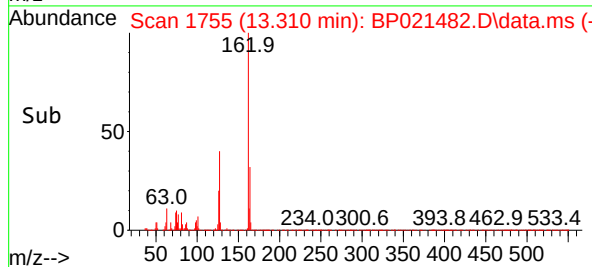
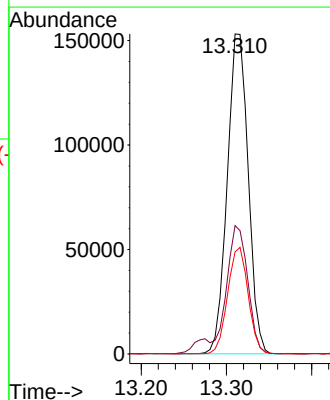
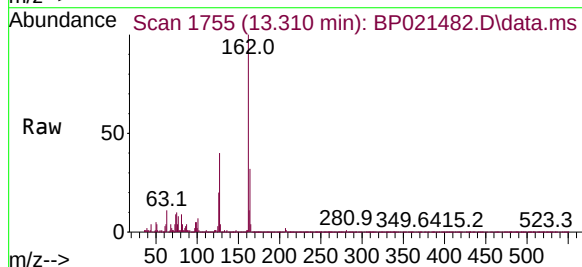
RT: 13.310 min Scan# 1755

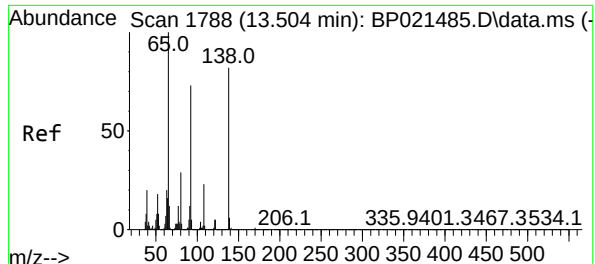
Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 261761 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 40.1  | 31.9  | 47.9   |
| 164       | 31.9  | 26.8  | 40.2   |





#48

2-Nitroaniline

Concen: 7.264 ng

RT: 13.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

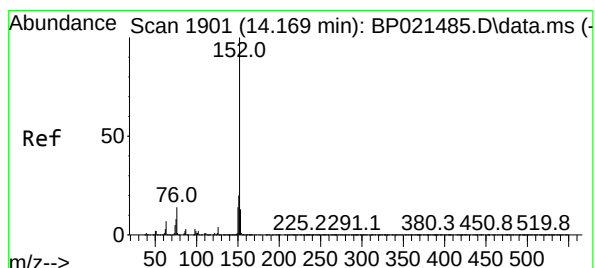
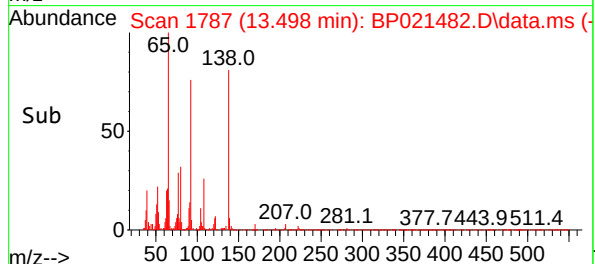
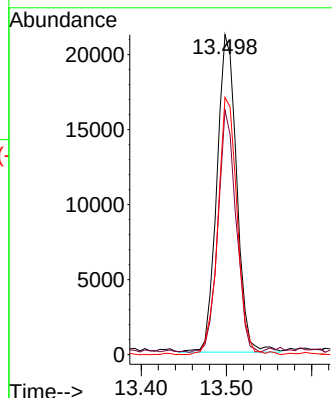
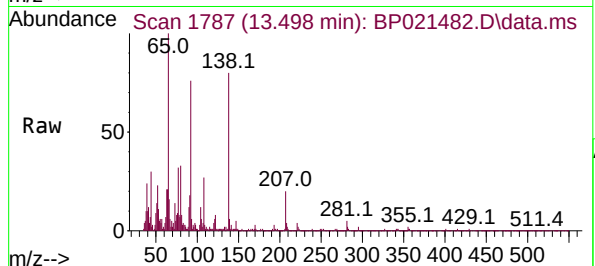
SSTDICC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 65    | Resp: | 3418 |
| Ion Ratio | Lower | Upper |      |
| 65        | 100   |       |      |
| 92        | 76.5  | 58.1  | 87.1 |
| 138       | 80.4  | 65.5  | 98.3 |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#49

Acenaphthylene

Concen: 5.126 ng

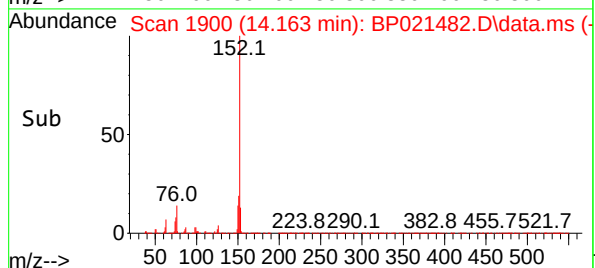
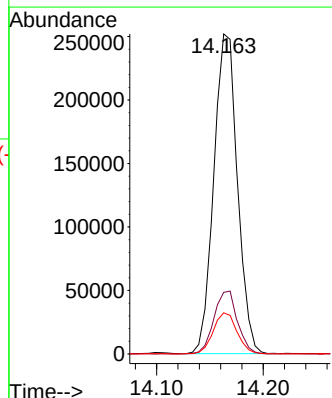
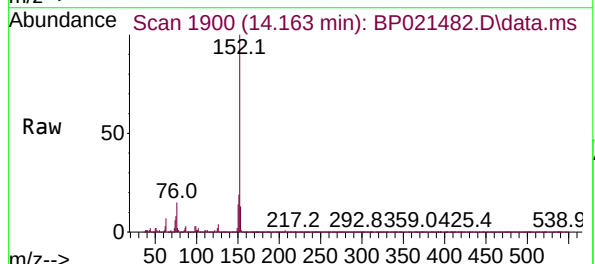
RT: 14.163 min Scan# 1900

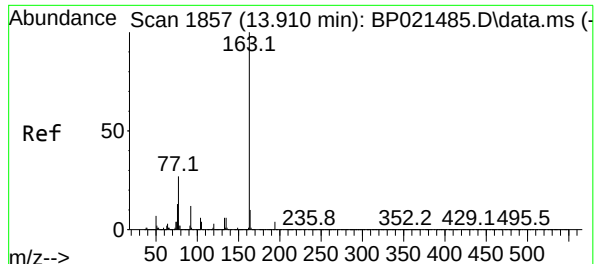
Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

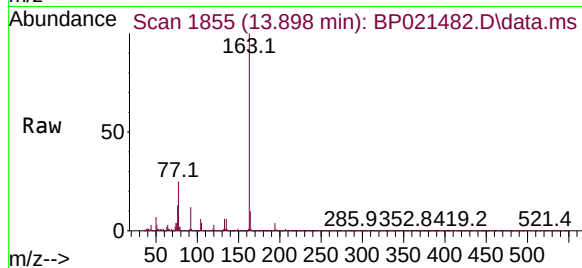
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 387614 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 19.2  | 15.9  | 23.9   |
| 153       | 12.9  | 10.6  | 16.0   |





#50  
Dimethylphthalate  
Concen: 5.178 ng  
RT: 13.898 min Scan# 1855  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

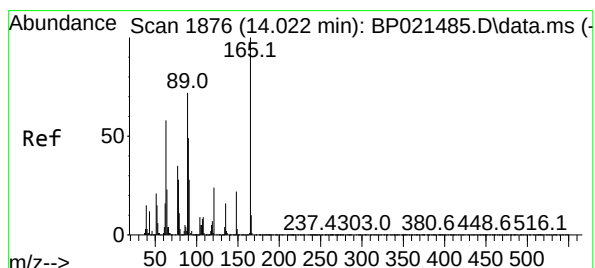
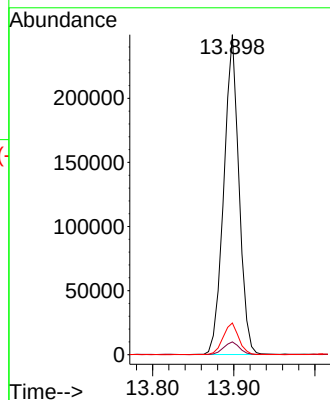
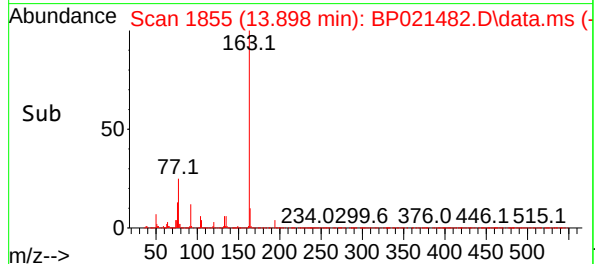
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:163 Resp: 323804  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.9 8.3 12.5

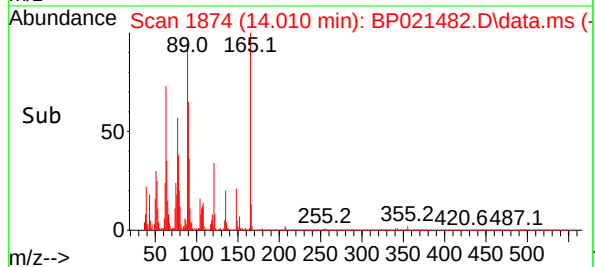
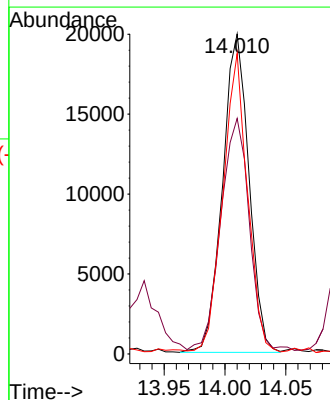
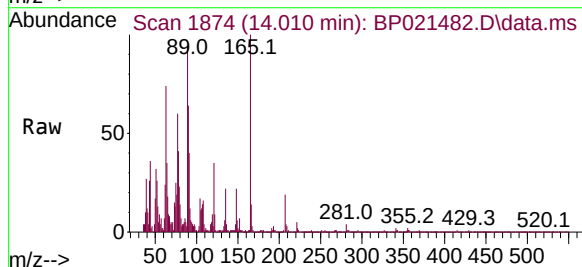
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

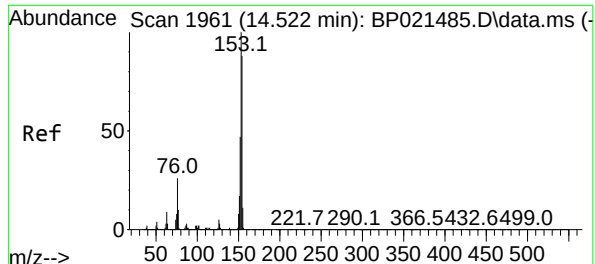


#51  
2,6-Dinitrotoluene  
Concen: 6.169 ng  
RT: 14.010 min Scan# 1874  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 30050  
Ion Ratio Lower Upper  
165 100  
63 73.6 51.5 77.3  
89 93.9 57.8 86.8#

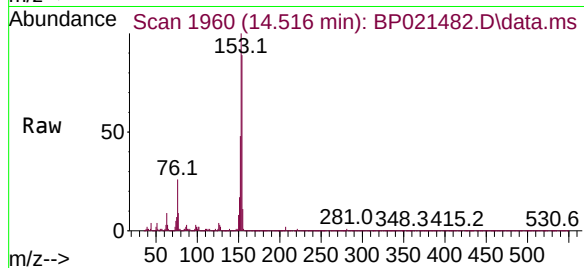






#52  
Acenaphthene  
Concen: 5.150 ng  
RT: 14.516 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

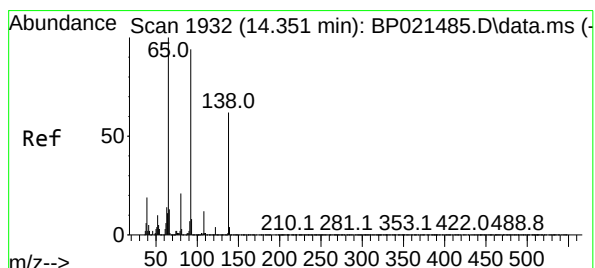
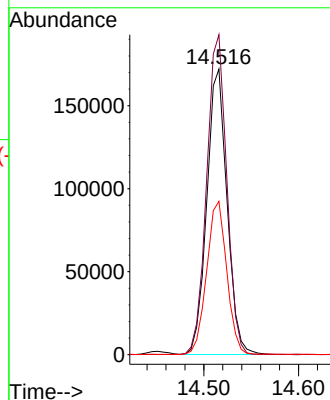
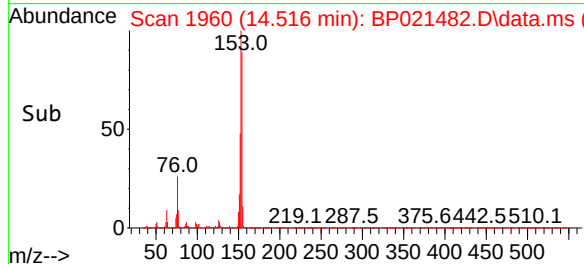
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:154 Resp: 255510  
Ion Ratio Lower Upper  
154 100  
153 112.0 91.1 136.7  
152 53.7 43.0 64.4

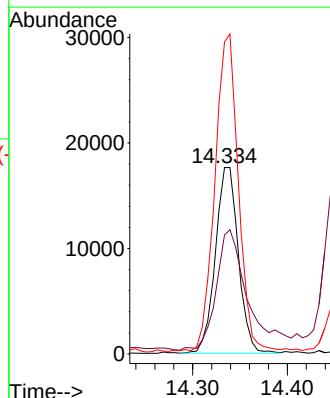
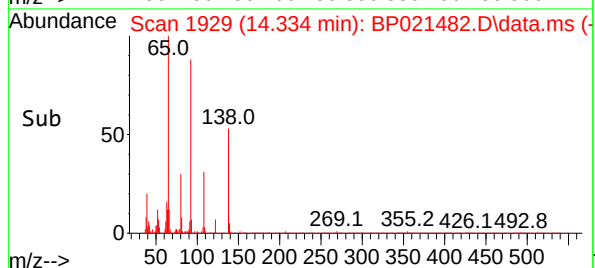
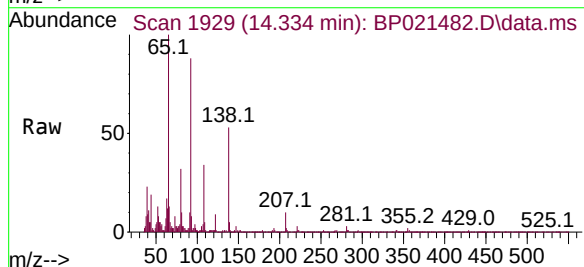
Manual Integrations  
APPROVED

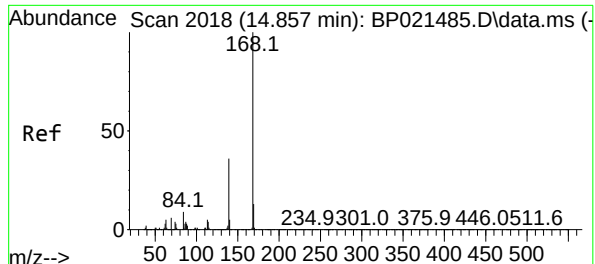
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#53  
3-Nitroaniline  
Concen: 6.160 ng  
RT: 14.334 min Scan# 1929  
Delta R.T. -0.017 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

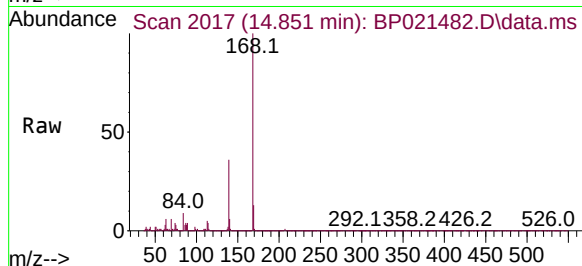
Tgt Ion:138 Resp: 29621  
Ion Ratio Lower Upper  
138 100  
108 63.9 16.2 24.4#  
92 167.4 122.2 183.4





#55  
Dibenzofuran  
Concen: 5.307 ng  
RT: 14.851 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

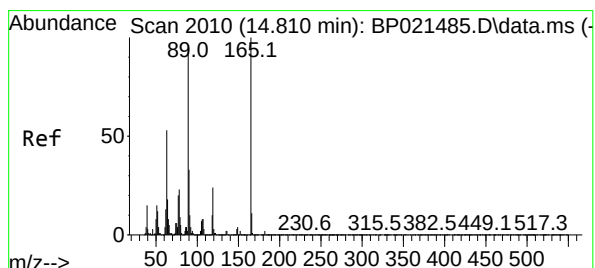
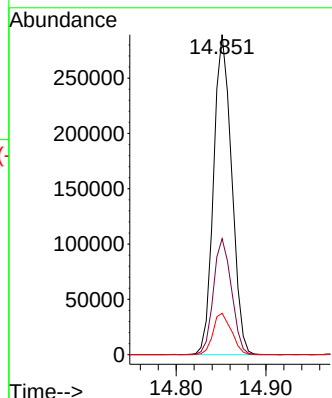
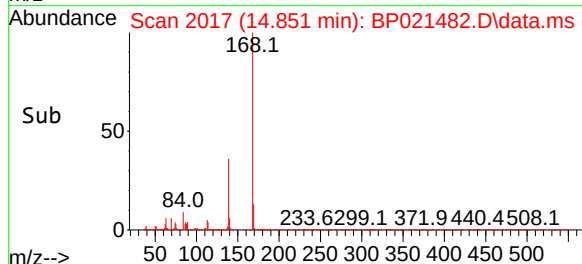
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:168 Resp: 40502  
Ion Ratio Lower Upper  
168 100  
139 36.3 28.6 43.0  
169 12.9 10.6 16.0

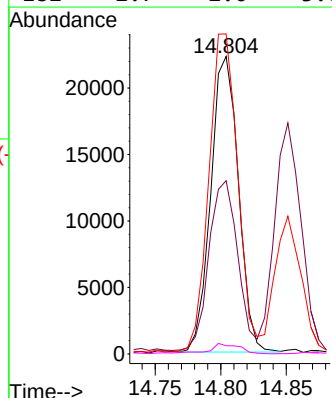
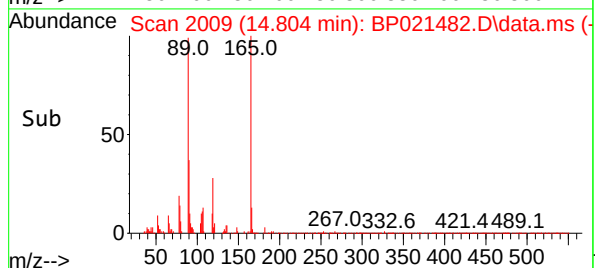
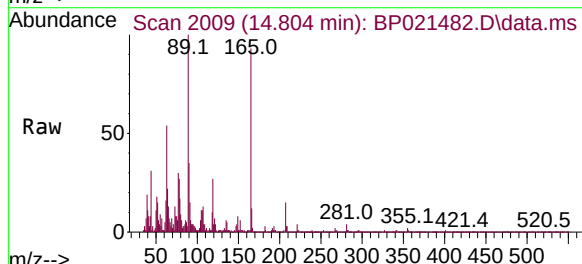
Manual Integrations  
APPROVED

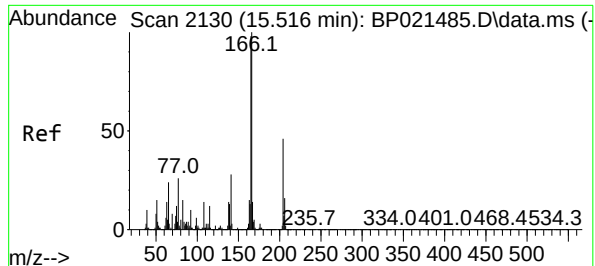
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#57  
2,4-Dinitrotoluene  
Concen: 6.843 ng  
RT: 14.804 min Scan# 2009  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

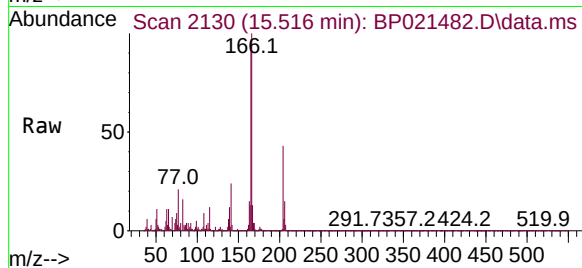
Tgt Ion:165 Resp: 32636  
Ion Ratio Lower Upper  
165 100  
63 58.2 42.5 63.7  
89 107.5 77.1 115.7  
182 2.7 2.0 3.0





#58  
Fluorene  
Concen: 5.326 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

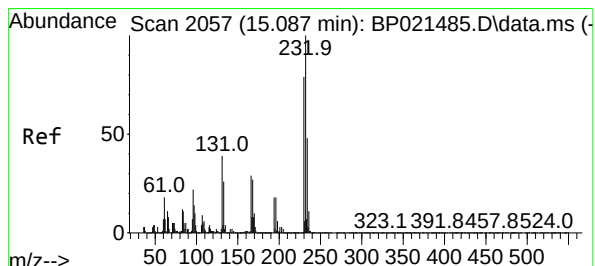
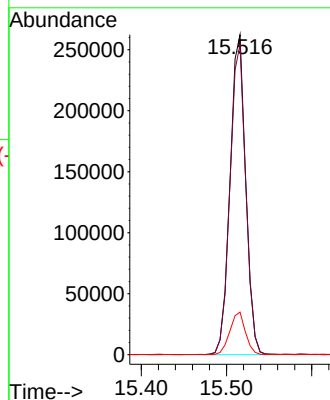
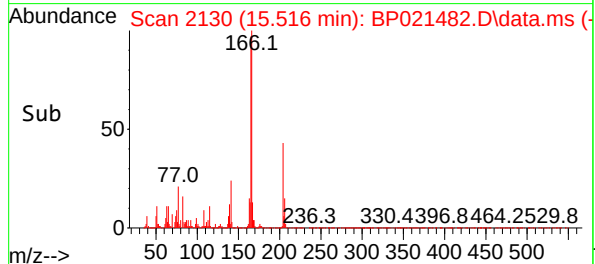
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:166 Resp: 33397  
Ion Ratio Lower Upper  
166 100  
165 96.9 78.1 117.1  
167 13.3 11.0 16.4

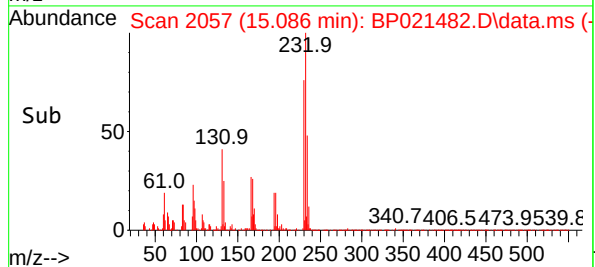
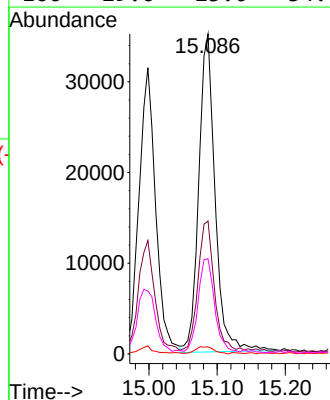
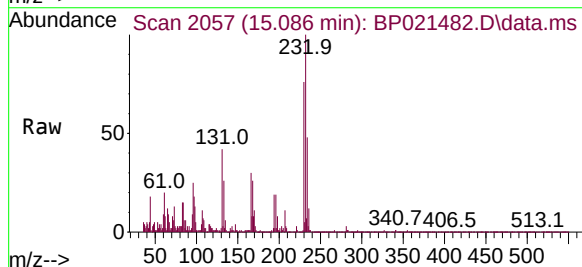
Manual Integrations  
APPROVED

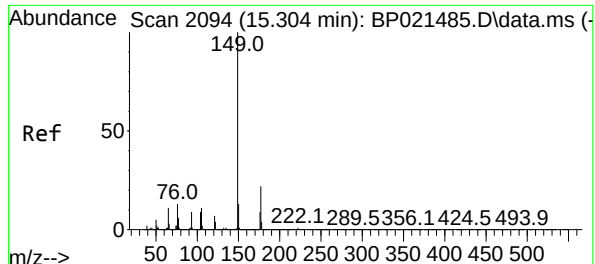
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#59  
2,3,4,6-Tetrachlorophenol  
Concen: 4.076 ng  
RT: 15.086 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:232 Resp: 58426  
Ion Ratio Lower Upper  
232 100  
131 40.4 33.1 49.7  
130 2.7 1.7 2.5#  
166 29.6 23.0 34.4





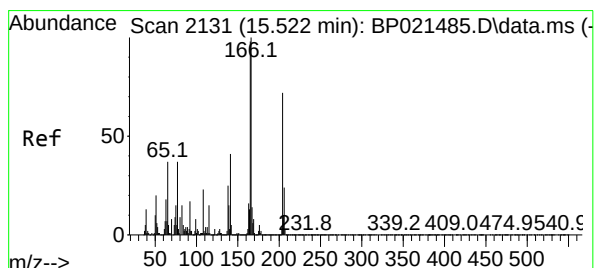
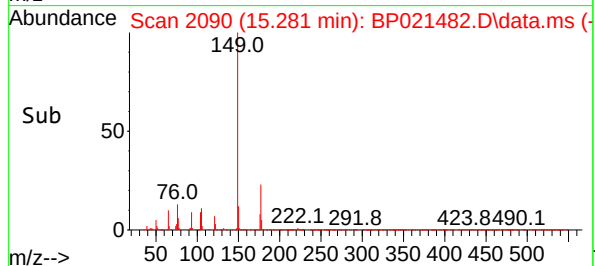
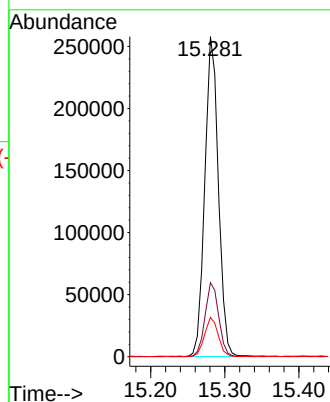
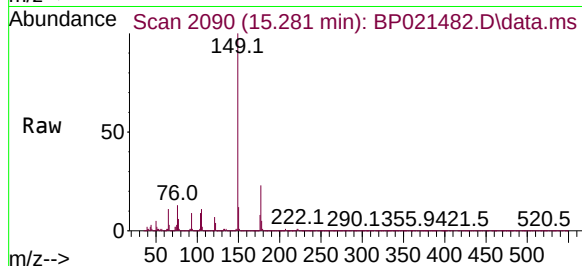
#60  
Diethylphthalate  
Concen: 5.113 ng  
RT: 15.281 min Scan# 2094  
Delta R.T. -0.024 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion:149 Resp: 328110  
Ion Ratio Lower Upper  
149 100  
177 23.2 17.8 26.8  
150 12.3 10.1 15.1

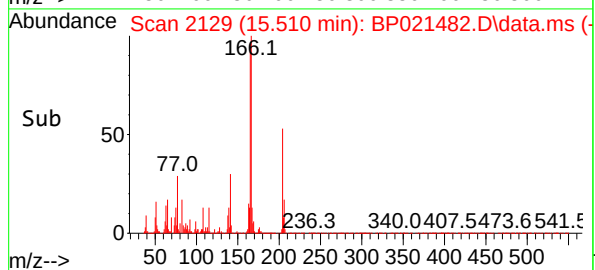
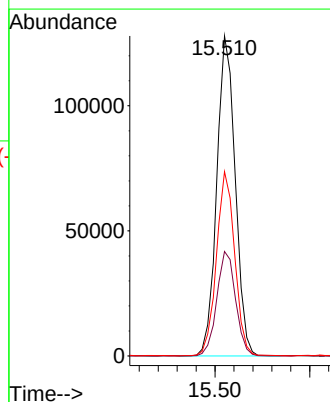
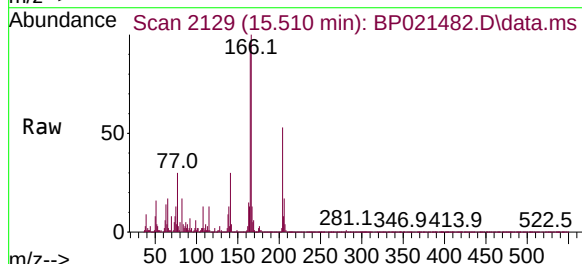
Manual Integrations  
APPROVED

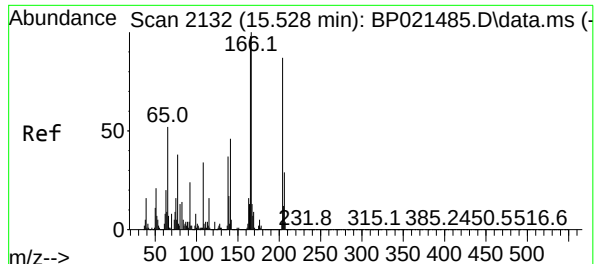
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#61  
4-Chlorophenyl-phenylether  
Concen: 5.340 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

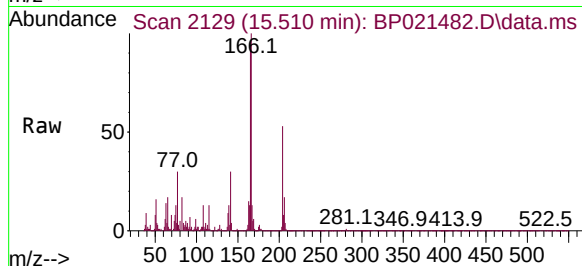
Tgt Ion:204 Resp: 173085  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.4 39.6  
141 57.6 46.1 69.1





#62  
4-Nitroaniline  
Concen: 5.481 ng  
RT: 15.510 min Scan# 2132  
Delta R.T. -0.018 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

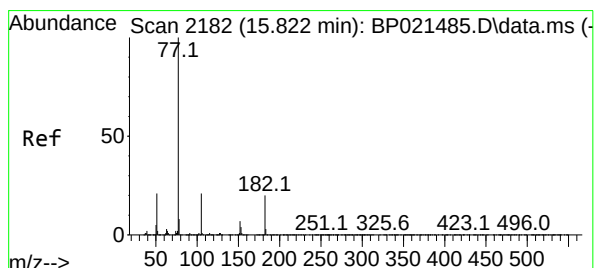
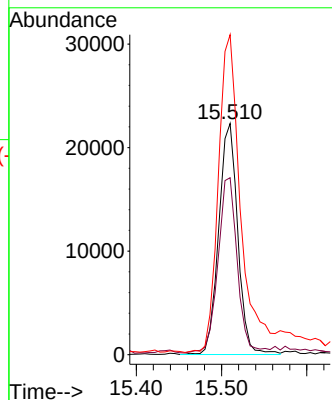
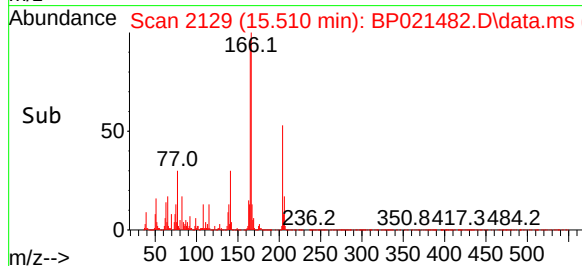
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:138 Resp: 34574  
Ion Ratio Lower Upper  
138 100  
92 76.5 46.4 86.4  
108 138.4 73.2 113.2

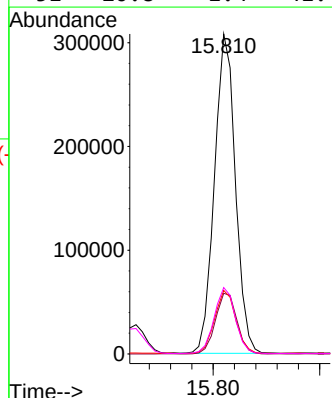
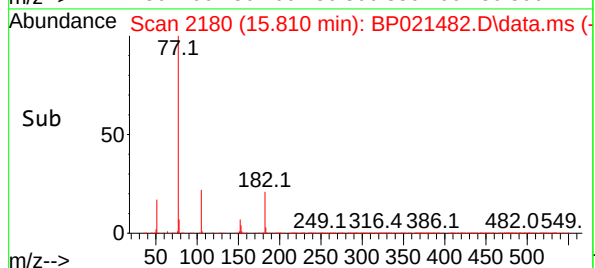
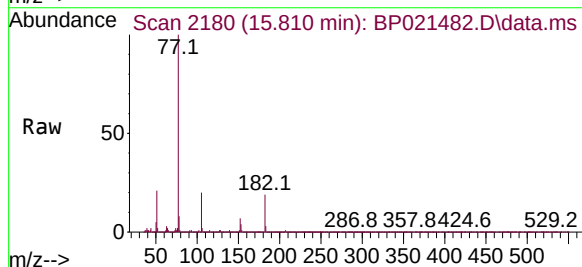
Manual Integrations  
APPROVED

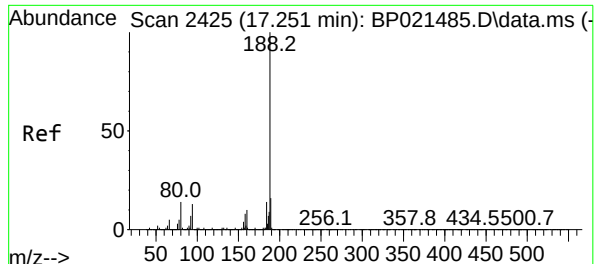
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#63  
Azobenzene  
Concen: 5.318 ng  
RT: 15.810 min Scan# 2180  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 419466  
Ion Ratio Lower Upper  
77 100  
182 19.0 0.0 39.9  
105 19.8 0.9 40.9  
51 20.8 1.4 41.4





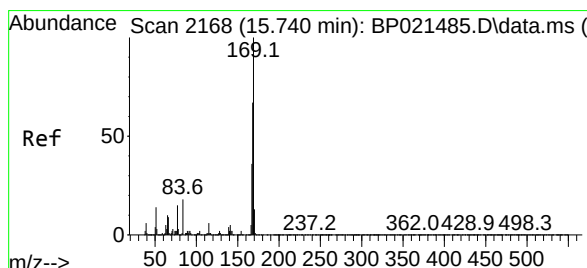
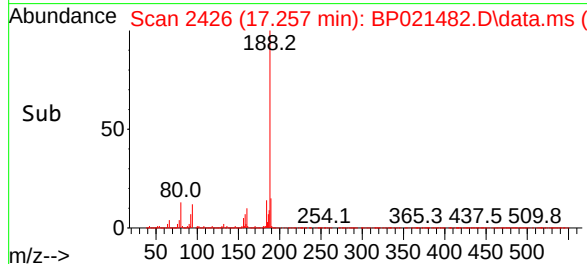
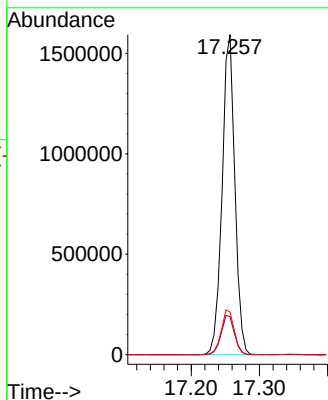
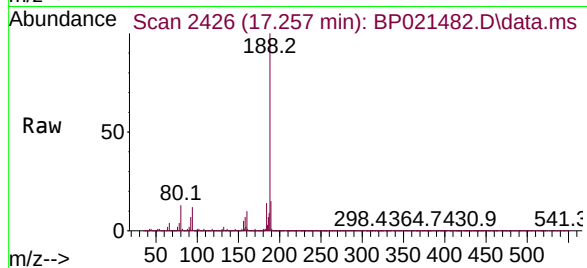
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2425  
Delta R.T. 0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion:188 Resp: 2070828  
Ion Ratio Lower Upper  
188 100  
94 11.9 10.2 15.4  
80 13.3 11.6 17.4

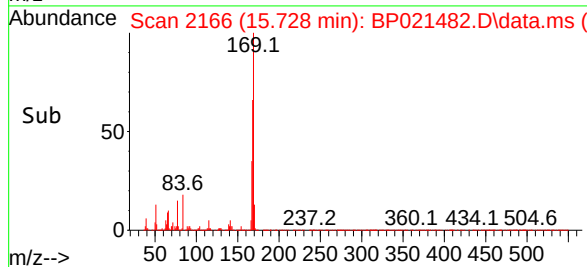
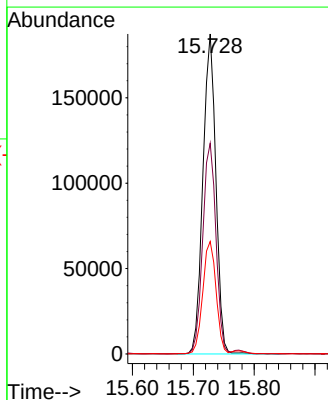
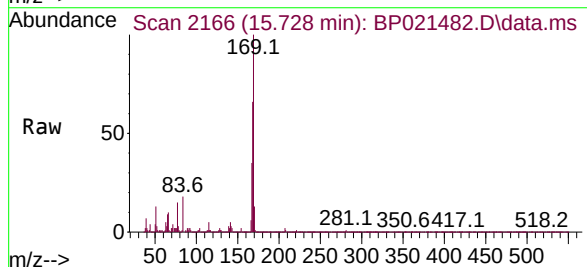
Manual Integrations  
APPROVED

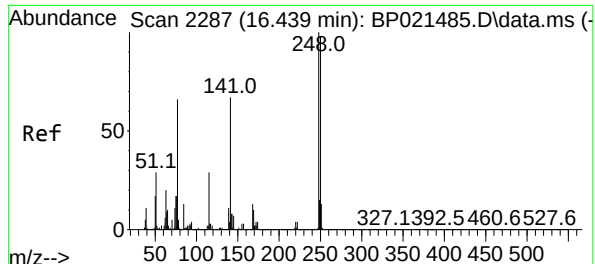
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#66  
n-Nitrosodiphenylamine  
Concen: 4.986 ng  
RT: 15.728 min Scan# 2166  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:169 Resp: 276698  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.4 80.2  
167 35.2 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 4.985 ng

RT: 16.428 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

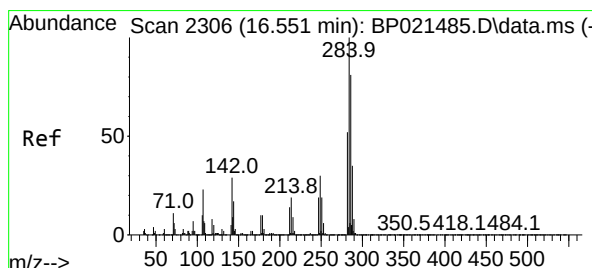
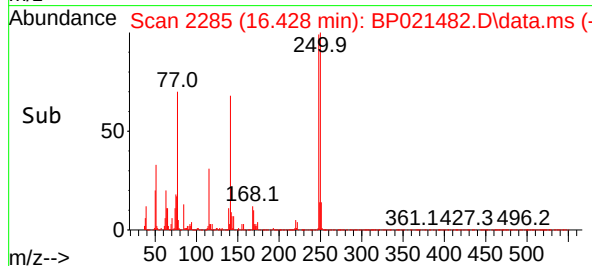
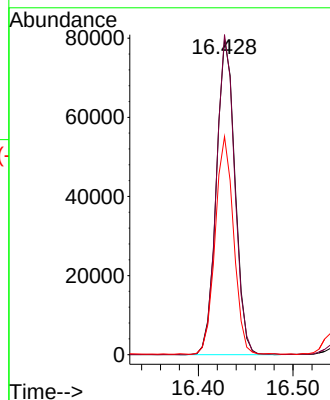
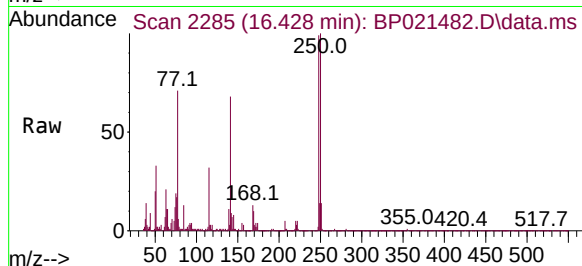
|             |              |
|-------------|--------------|
| Tgt Ion:248 | Resp: 109250 |
| Ion Ratio   | Lower Upper  |
| 248 100     |              |
| 250 101.3   | 78.6 117.8   |
| 141 69.0    | 53.9 80.9    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 5.104 ng

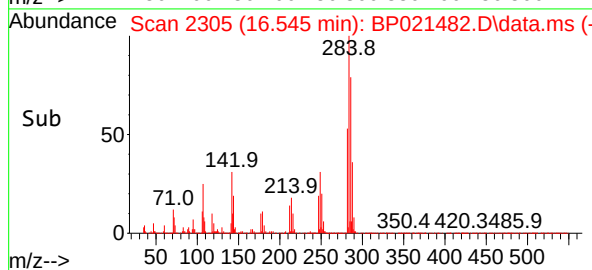
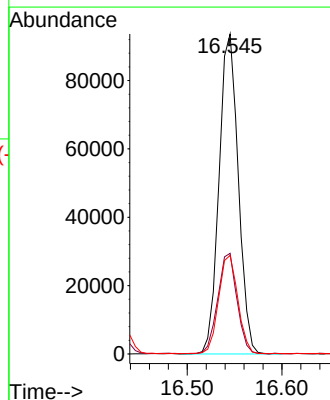
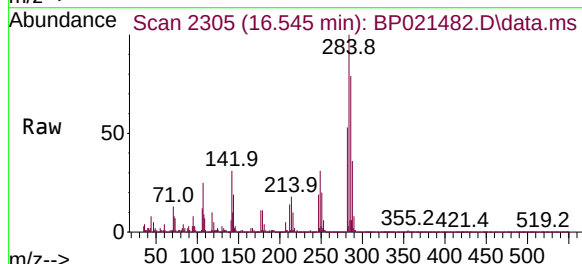
RT: 16.545 min Scan# 2305

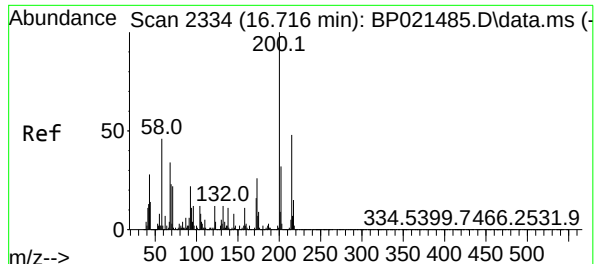
Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|             |              |
|-------------|--------------|
| Tgt Ion:284 | Resp: 132184 |
| Ion Ratio   | Lower Upper  |
| 284 100     |              |
| 142 31.5    | 23.4 35.2    |
| 249 30.8    | 24.1 36.1    |





#69

Atrazine

Concen: 4.921 ng

RT: 16.692 min Scan# 21

Delta R.T. -0.024 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

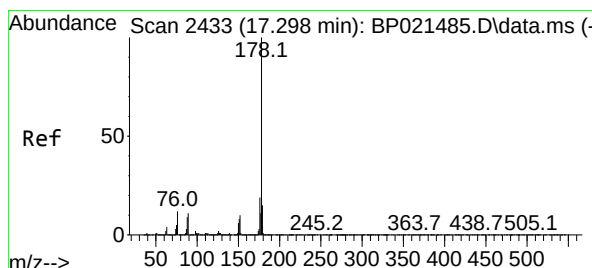
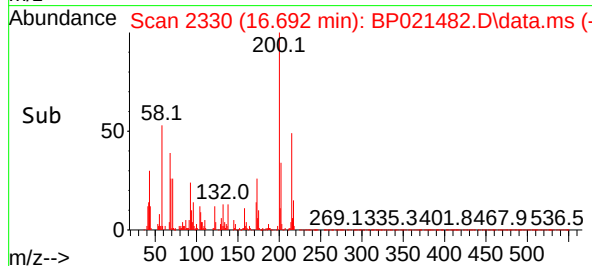
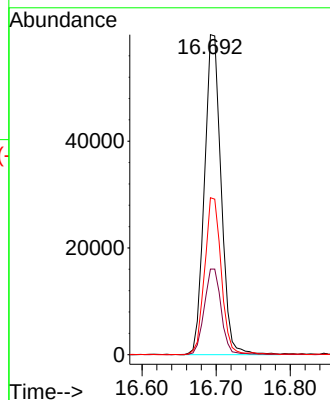
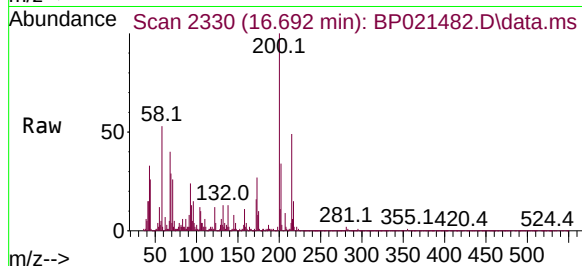
SSTDICC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 9376 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 26.8  | 6.2   | 46.2 |
| 215       | 49.0  | 28.4  | 68.4 |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#71

Phenanthrene

Concen: 5.149 ng

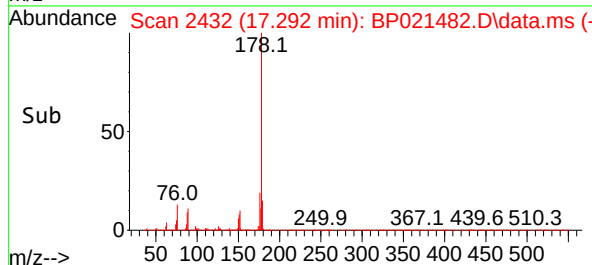
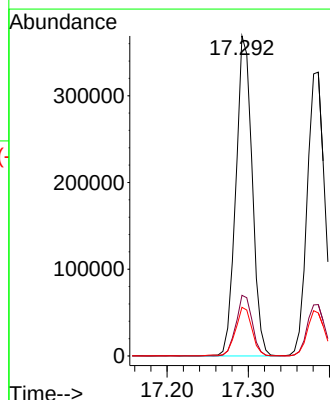
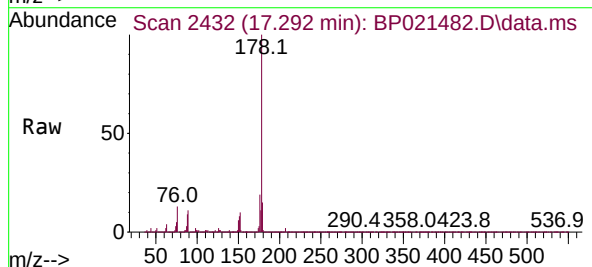
RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

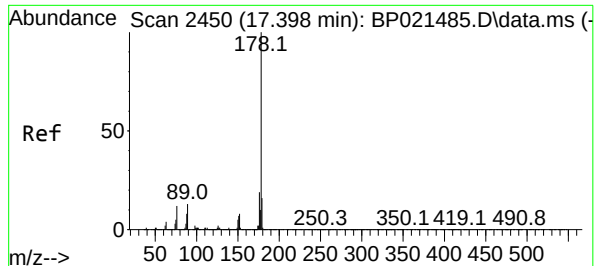
Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 512757 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.0  | 15.4  | 23.2   |
| 179       | 15.2  | 12.4  | 18.6   |

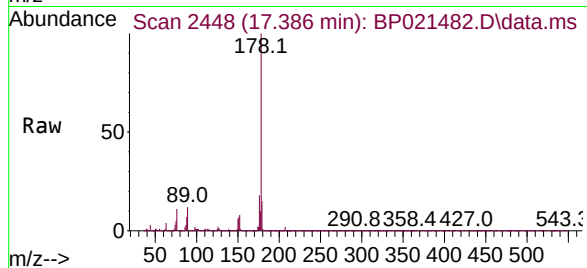






#72  
Anthracene  
Concen: 5.058 ng  
RT: 17.386 min Scan# 2448  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

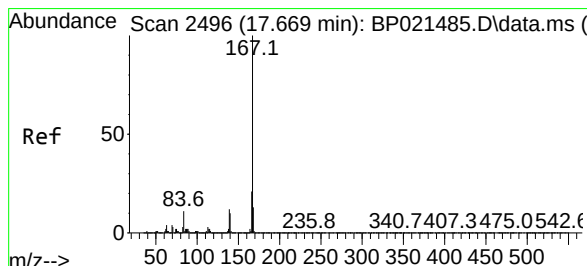
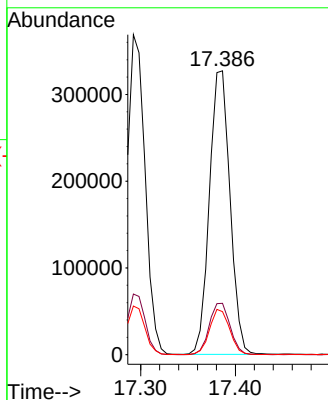
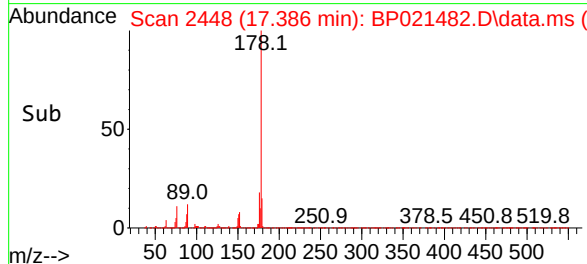
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



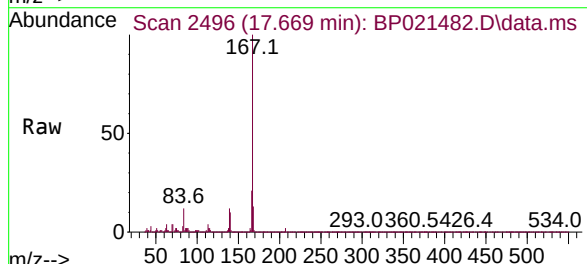
Tgt Ion:178 Resp: 49398  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.9 22.3  
179 15.2 12.5 18.7

Manual Integrations  
APPROVED

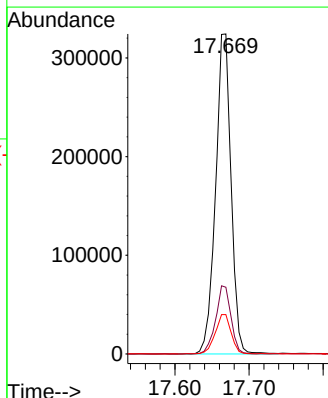
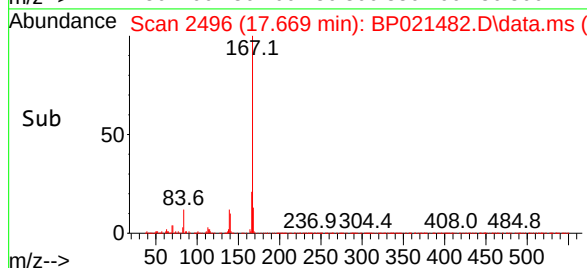
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

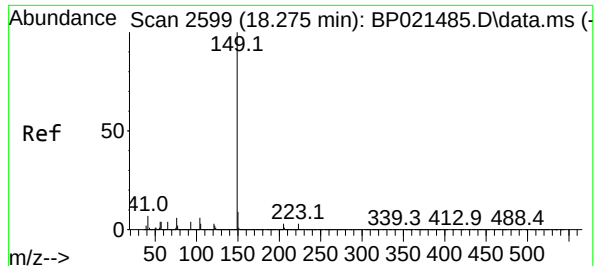


#73  
Carbazole  
Concen: 4.996 ng  
RT: 17.669 min Scan# 2496  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15



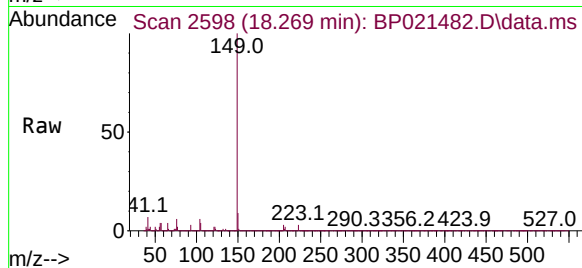
Tgt Ion:167 Resp: 470253  
Ion Ratio Lower Upper  
167 100  
166 20.9 17.0 25.4  
139 12.3 9.9 14.9





#74  
Di-n-butylphthalate  
Concen: 4.697 ng  
RT: 18.269 min Scan# 2599  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

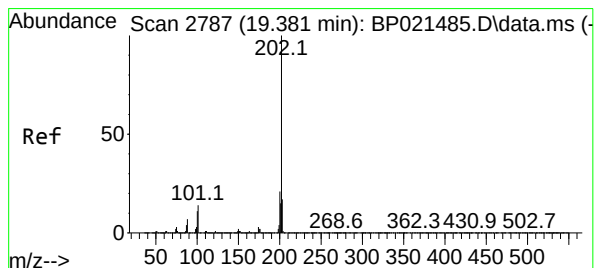
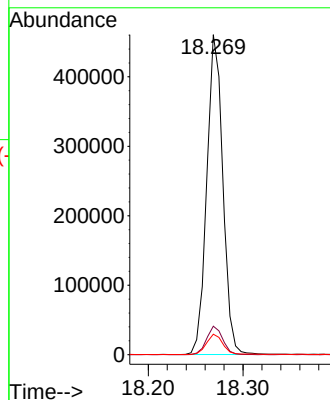
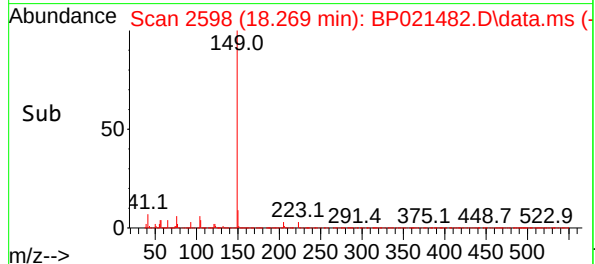
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:149 Resp: 542975  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.5 11.3  
104 6.4 4.9 7.3

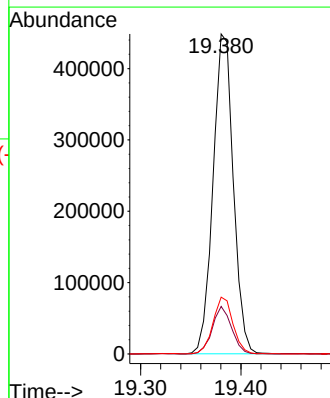
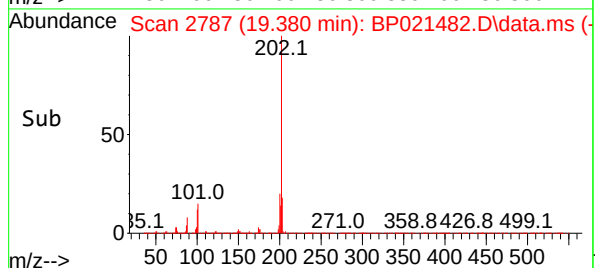
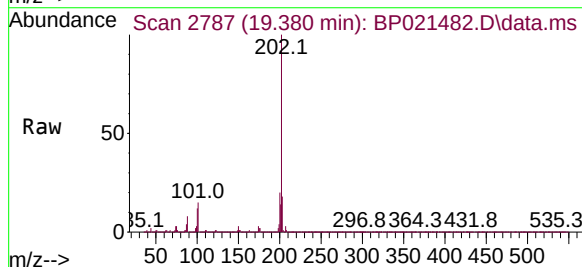
Manual Integrations  
APPROVED

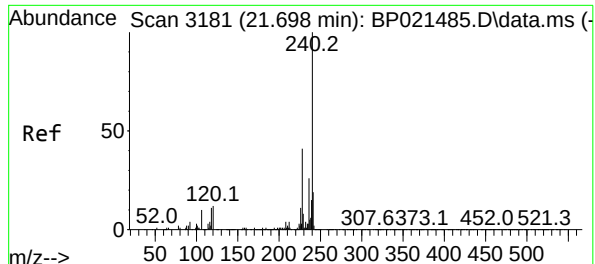
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#75  
Fluoranthene  
Concen: 5.148 ng  
RT: 19.380 min Scan# 2787  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 629080  
Ion Ratio Lower Upper  
202 100  
101 14.8 0.0 34.0  
203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.698 min Scan# 3181

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

Tgt Ion:240 Resp: 204039

Ion Ratio Lower Upper

240 100

120 12.0 9.9 14.9

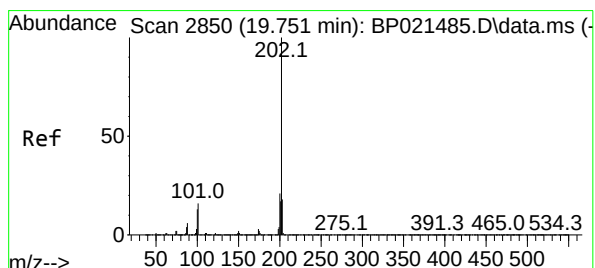
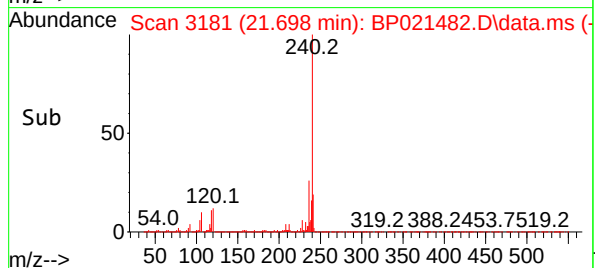
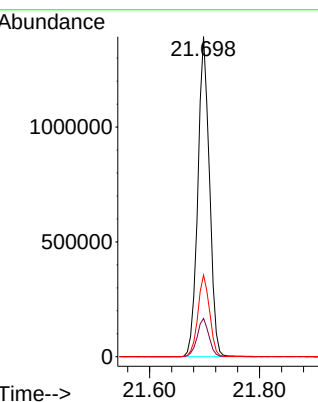
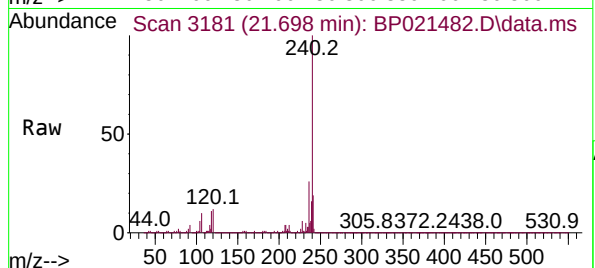
236 25.5 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#78

Pyrene

Concen: 4.906 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

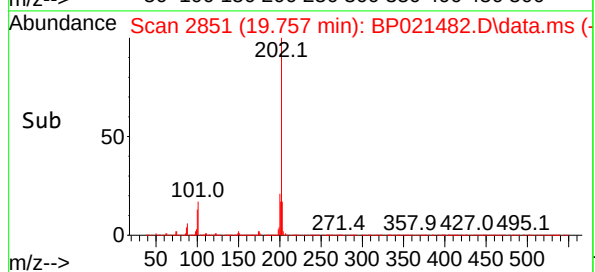
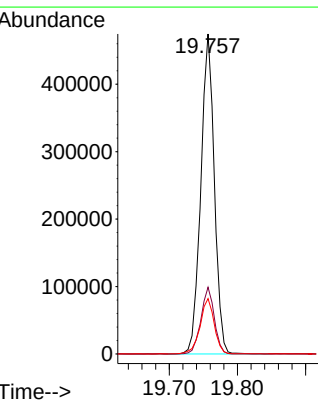
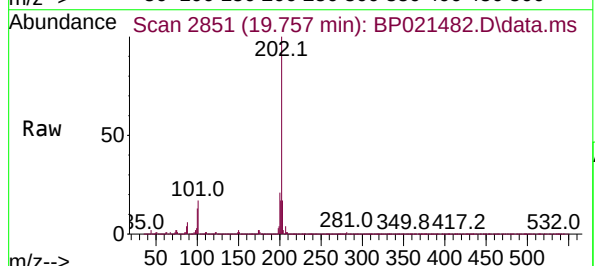
Tgt Ion:202 Resp: 654333

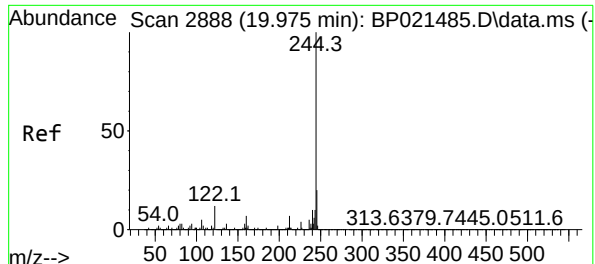
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.3 14.1 21.1





#79  
 Terphenyl-d14  
 Concen: 10.379 ng  
 RT: 19.980 min Scan# 2889  
 Delta R.T. 0.005 min  
 Lab File: BP021482.D  
 Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

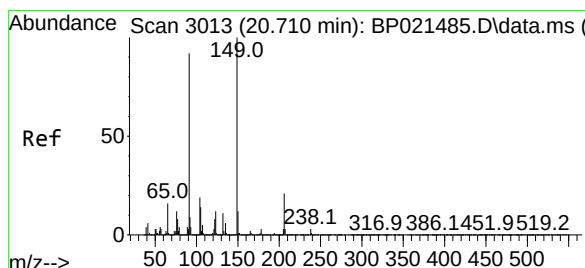
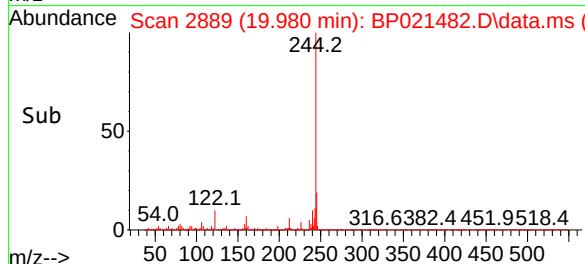
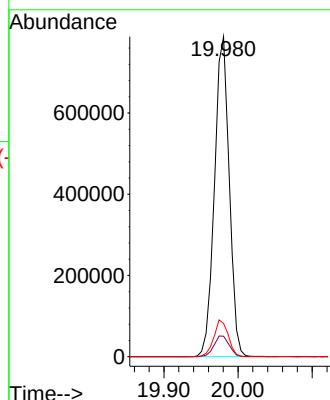
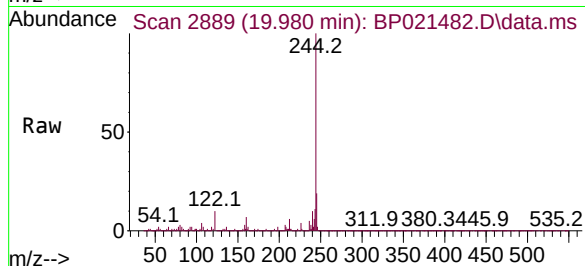
ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 1090110  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.6 8.4  
 122 10.4 9.4 14.2

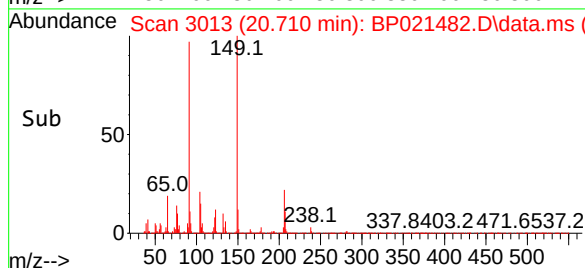
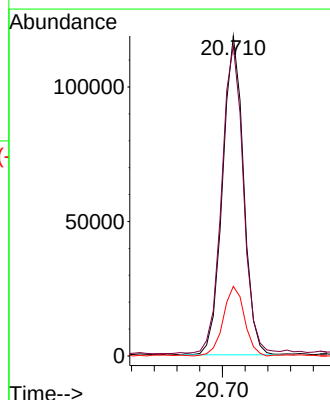
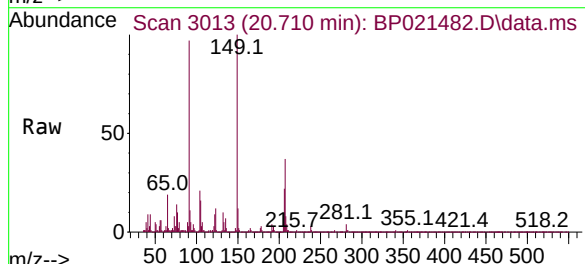
Manual Integrations  
 APPROVED

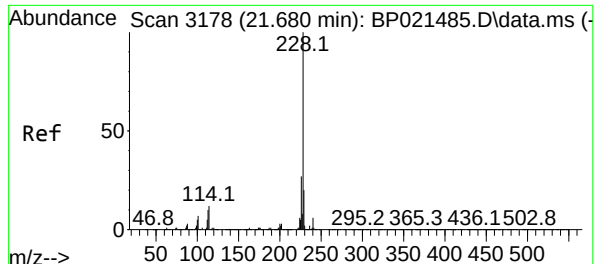
Reviewed By :Yogesh Patel 08/14/2024  
 Supervised By :mohammad ahmed 08/14/2024



#80  
 Butylbenzylphthalate  
 Concen: 6.382 ng  
 RT: 20.710 min Scan# 3013  
 Delta R.T. -0.000 min  
 Lab File: BP021482.D  
 Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 152079  
 Ion Ratio Lower Upper  
 149 100  
 91 97.1 73.3 109.9  
 206 21.7 17.1 25.7





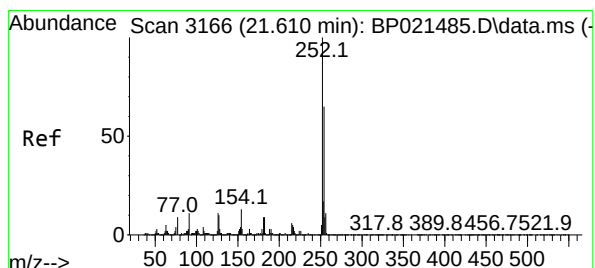
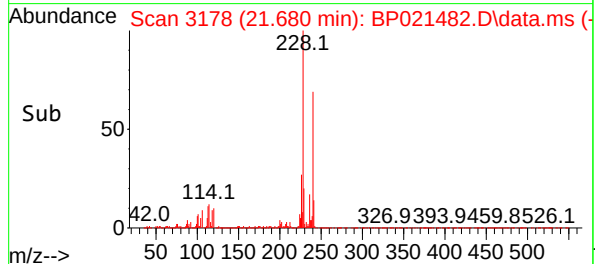
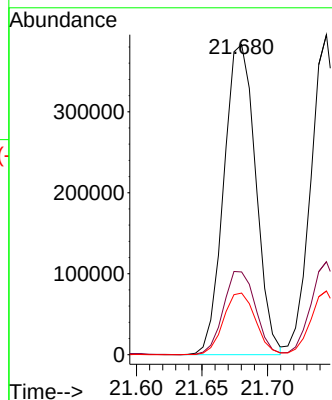
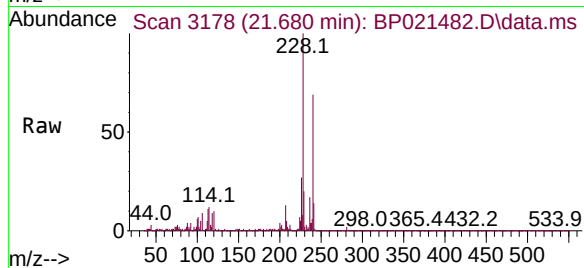
#81  
Benzo(a)anthracene  
Concen: 5.063 ng  
RT: 21.680 min Scan# 3178  
Delta R.T. -0.000 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion:228 Resp: 64852  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.4 32.2  
229 19.9 15.8 23.6

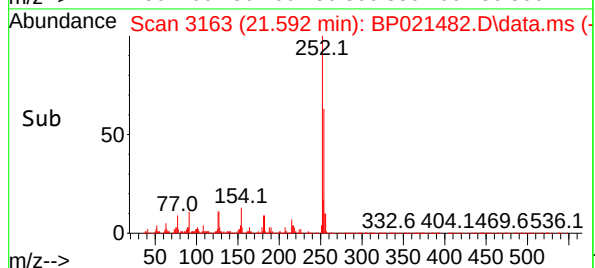
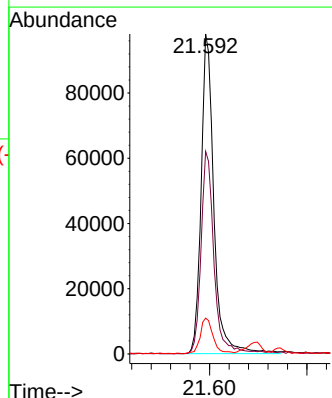
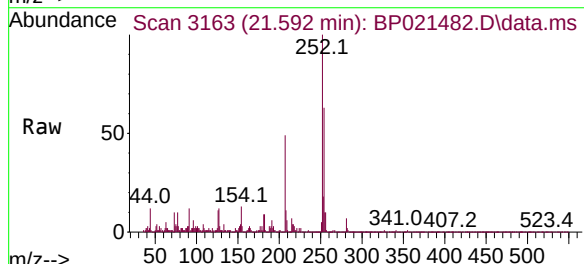
Manual Integrations  
APPROVED

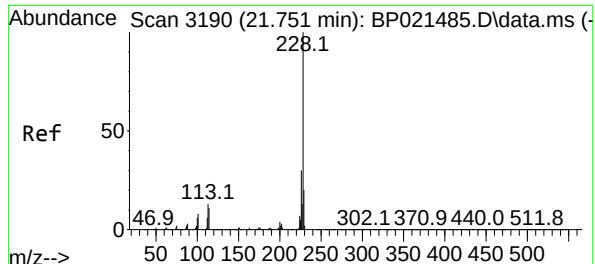
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 4.338 ng  
RT: 21.592 min Scan# 3163  
Delta R.T. -0.018 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

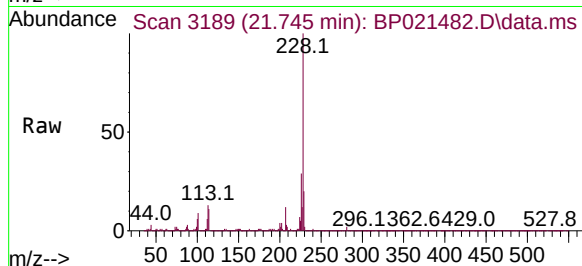
Tgt Ion:252 Resp: 178137  
Ion Ratio Lower Upper  
252 100  
254 63.3 51.7 77.5  
126 11.2 8.7 13.1





#83  
Chrysene  
Concen: 5.115 ng  
RT: 21.745 min Scan# 3190  
Delta R.T. -0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

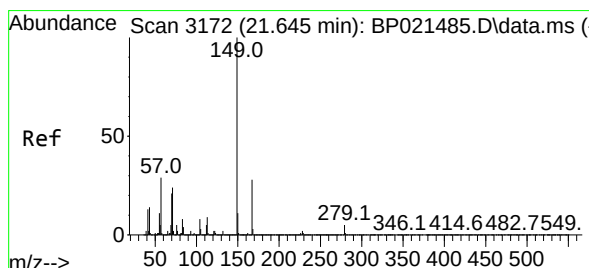
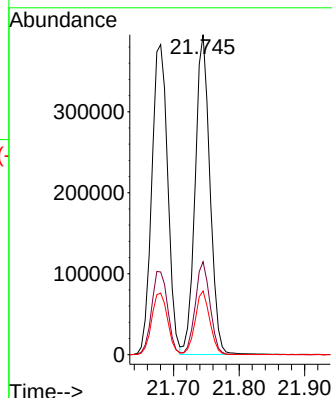
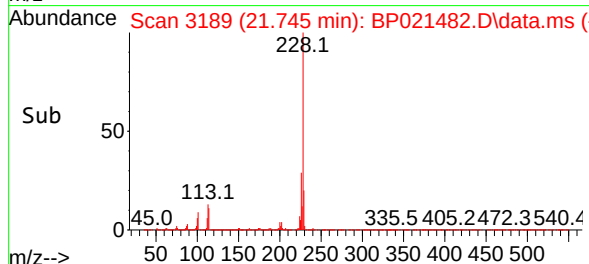
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005



Tgt Ion:228 Resp: 61862  
Ion Ratio Lower Upper  
228 100  
226 29.1 23.9 35.9  
229 19.9 15.8 23.6

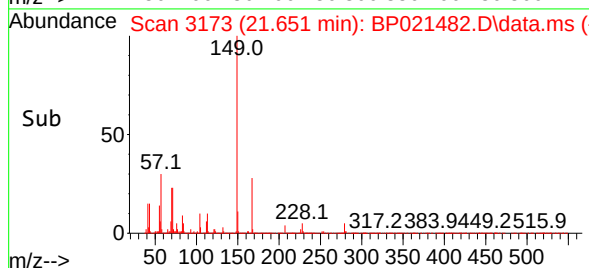
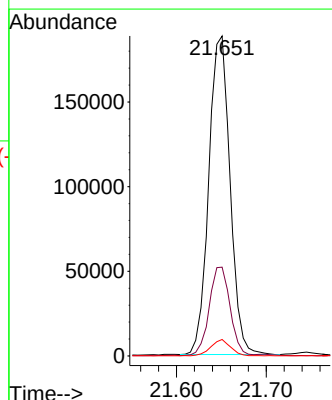
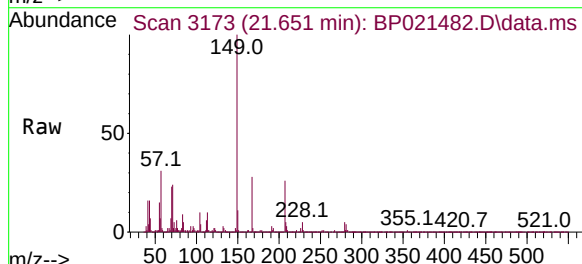
Manual Integrations  
APPROVED

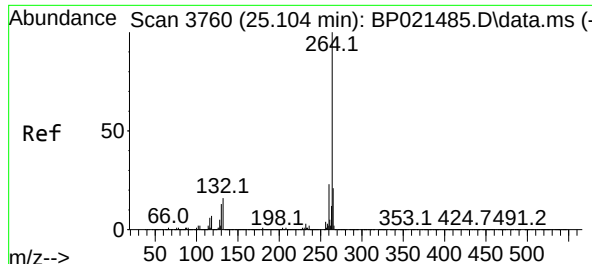
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.091 ng  
RT: 21.651 min Scan# 3173  
Delta R.T. 0.006 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 309738  
Ion Ratio Lower Upper  
149 100  
167 27.8 22.3 33.5  
279 5.2 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.115 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

Tgt Ion:264 Resp: 229953

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

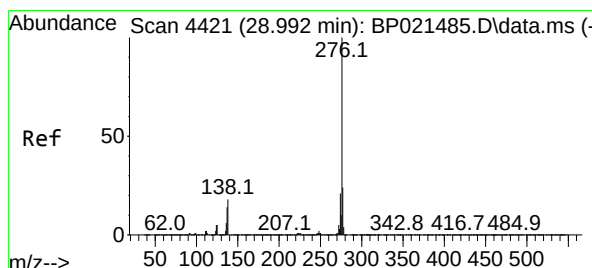
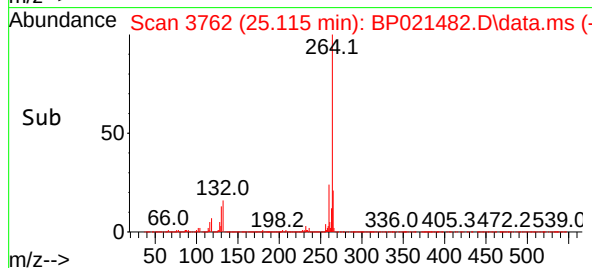
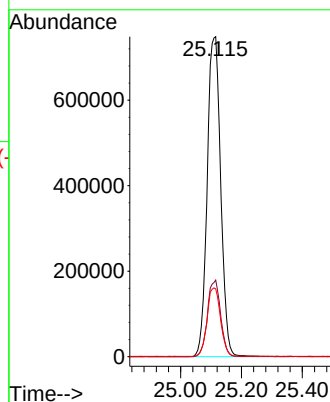
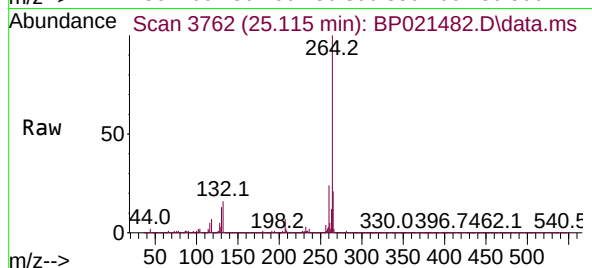
265 21.2 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.800 ng m

RT: 28.962 min Scan# 4416

Delta R.T. -0.030 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

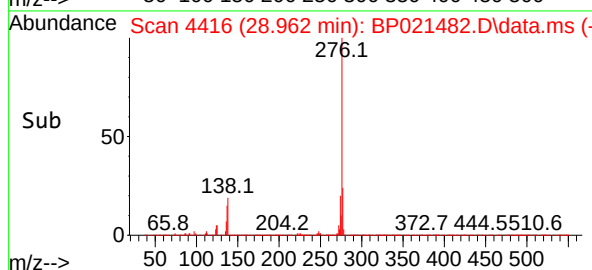
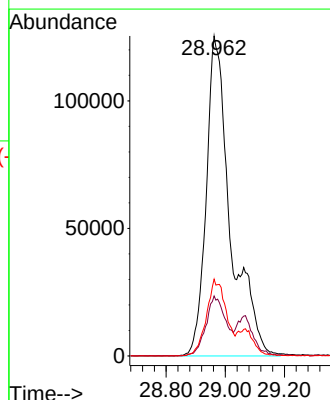
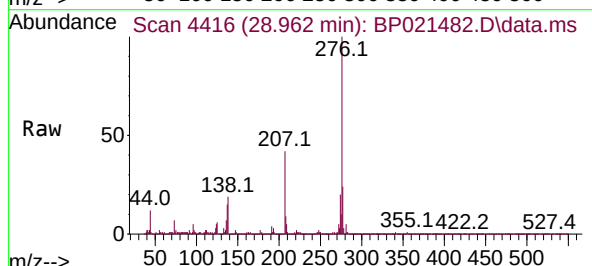
Tgt Ion:276 Resp: 715393

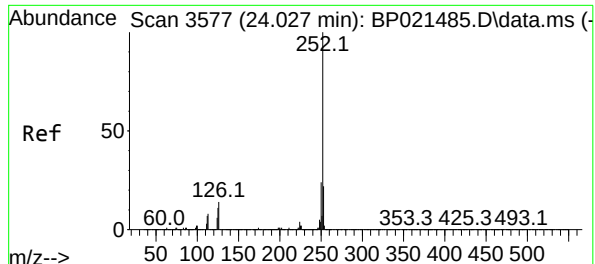
Ion Ratio Lower Upper

276 100

138 15.3 12.8 19.2

277 19.6 16.5 24.7





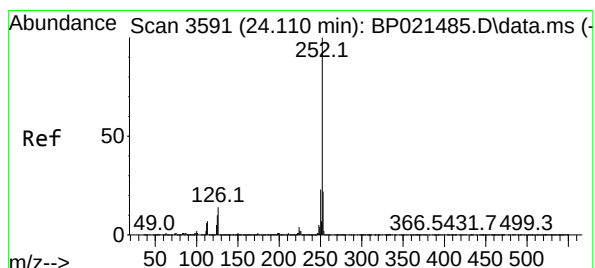
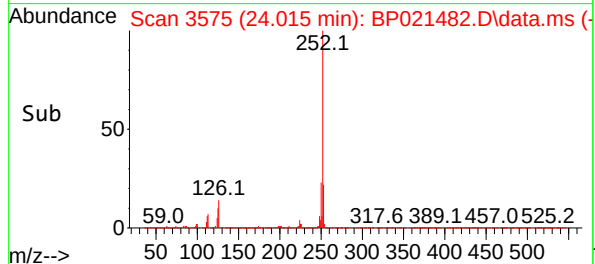
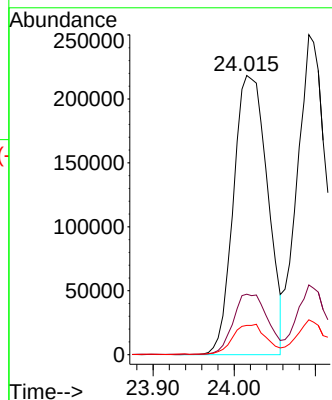
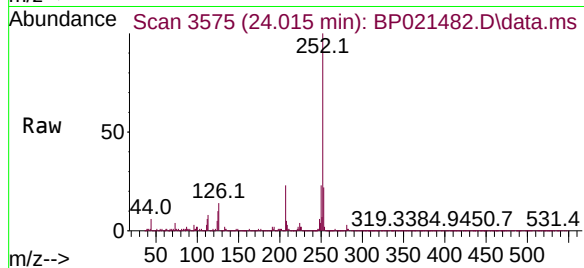
#88  
Benzo(b)fluoranthene  
Concen: 4.816 ng  
RT: 24.015 min Scan# 3575  
Delta R.T. -0.012 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC005

Tgt Ion:252 Resp: 63602  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.6 26.4  
125 10.5 8.6 13.0

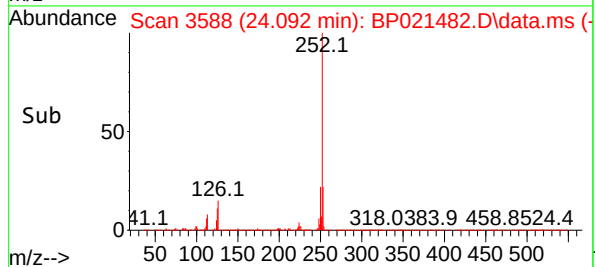
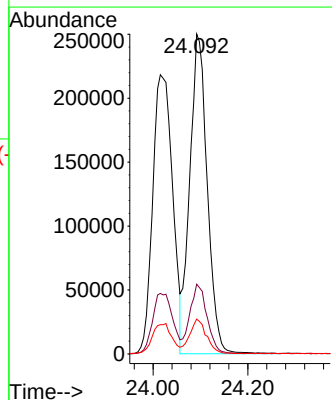
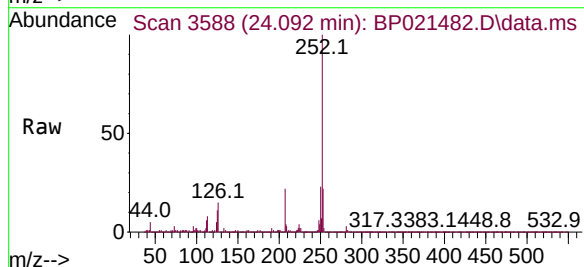
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

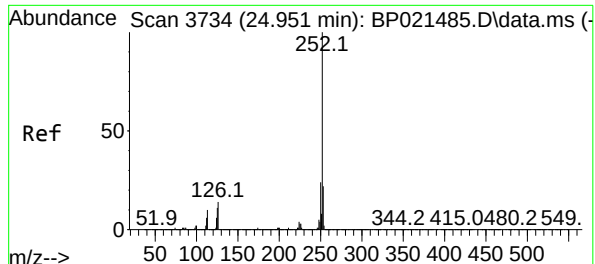


#89  
Benzo(k)fluoranthene  
Concen: 4.975 ng  
RT: 24.092 min Scan# 3588  
Delta R.T. -0.018 min  
Lab File: BP021482.D  
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 640982  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.5 26.3  
125 10.9 7.8 11.8







#90

Benzo(a)pyrene

Concen: 4.783 ng

RT: 24.939 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

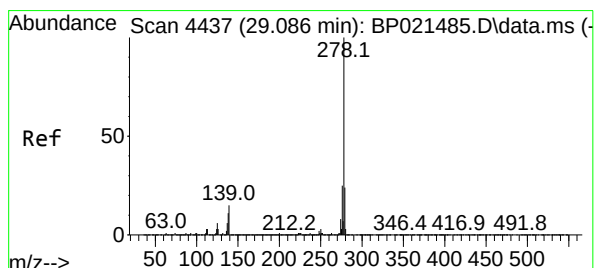
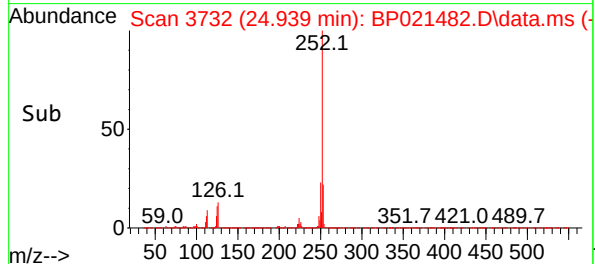
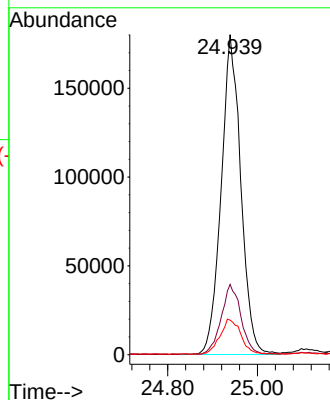
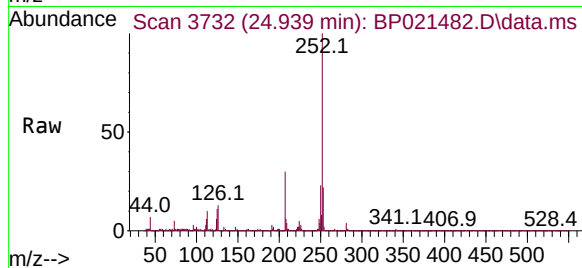
Instrument :

BNA\_P

ClientSampleId :

SSTDICC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 17.7  | 26.5  |
| 125     | 10.8  | 8.7   | 13.1  |

Manual Integrations  
APPROVEDReviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

#91

Dibenzo(a,h)anthracene

Concen: 4.802 ng

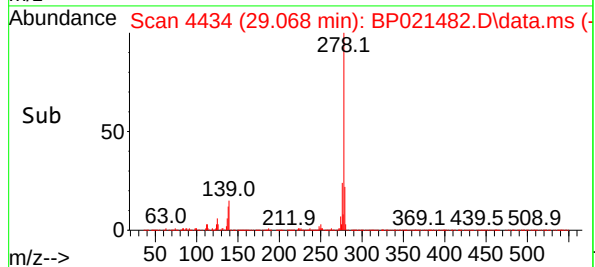
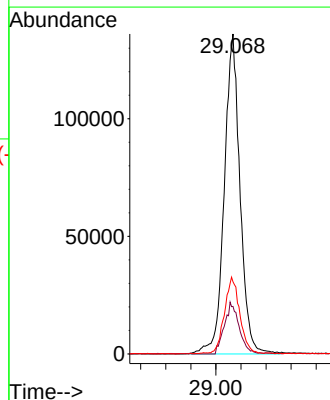
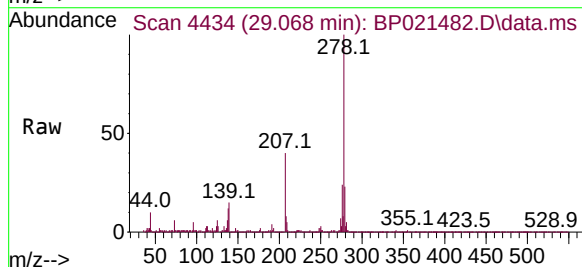
RT: 29.068 min Scan# 4434

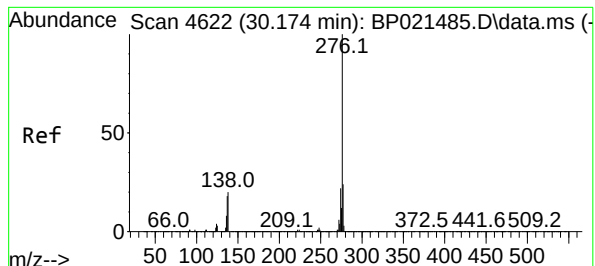
Delta R.T. -0.018 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.9  | 12.2  | 18.4  |
| 279     | 22.6  | 19.1  | 28.7  |





#92

Benzo(g,h,i)perylene

Concen: 4.872 ng

RT: 30.162 min Scan# 40

Delta R.T. -0.012 min

Lab File: BP021482.D

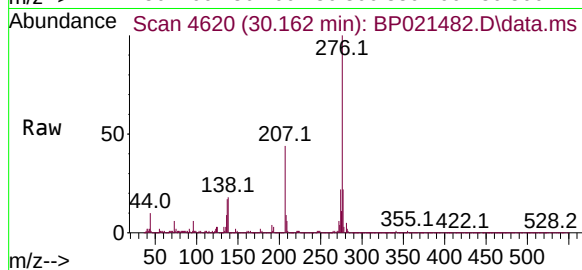
Acq: 13 Aug 2024 13:15

Instrument :

BNA\_P

ClientSampleId :

SSTDICC005



Tgt Ion:276 Resp: 60477

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.6

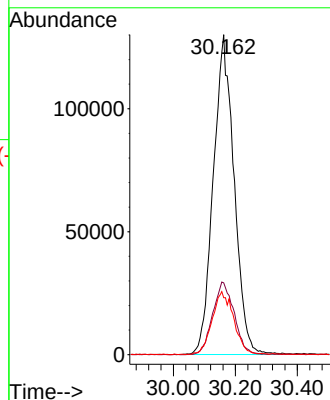
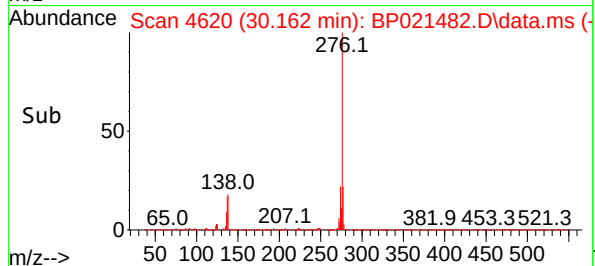
138 17.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021483.D  
 Acq On : 13 Aug 2024 13:59  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC010

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 385438   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.599 | 136  | 1772285  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 1303990  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 2799153  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.710 | 240  | 2268651  | 20.000 | ng    | 0.01     |
| 86) Perylene-d12              | 25.110 | 264  | 2172035  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 495524   | 19.090 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.958  | 99   | 755554   | 19.953 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 600158   | 17.479 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 266074   | 18.334 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 1713239  | 20.051 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.963 | 244  | 2713318  | 23.235 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 118289   | 9.611  | ng    | 97       |
| 3) Pyridine                   | 3.705  | 79   | 331408   | 9.645  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 101144   | 9.794  | ng    | # 99     |
| 6) Aniline                    | 7.128  | 93   | 392151   | 10.359 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 235350   | 9.811  | ng    | 97       |
| 9) Benzaldehyde               | 6.946  | 77   | 278892   | 11.503 | ng    | 99       |
| 10) Phenol                    | 6.987  | 94   | 389958   | 9.945  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 346942   | 10.456 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 285122   | 10.006 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 291753   | 10.140 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 284225   | 10.251 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 280251   | 10.315 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 330688m  | 10.822 | ng    |          |
| 17) 2-Methylphenol            | 8.228  | 107  | 252971   | 10.205 | ng    | 98       |
| 18) Hexachloroethane          | 8.893  | 117  | 113709   | 9.855  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.599  | 70   | 299730   | 11.459 | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.558  | 107  | 350826   | 10.496 | ng    | 98       |
| 22) Acetophenone              | 8.616  | 105  | 550125   | 10.104 | ng    | # 98     |
| 24) Nitrobenzene              | 8.993  | 77   | 341460   | 9.156  | ng    | 96       |
| 25) Isophorone                | 9.516  | 82   | 859297   | 10.593 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.705  | 139  | 55468    | 10.066 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.757  | 122  | 199430   | 9.962  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.005 | 93   | 508512   | 10.270 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 220504   | 9.322  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 293816   | 9.689  | ng    | 96       |
| 31) Naphthalene               | 10.646 | 128  | 922302   | 9.962  | ng    | 99       |
| 32) Benzoic acid              | 9.828  | 122  | 72405    | 10.529 | ng    | 89       |
| 33) 4-Chloroaniline           | 10.740 | 127  | 357126   | 10.269 | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 188389   | 9.867  | ng    | 99       |
| 35) Caprolactam               | 11.481 | 113  | 101824   | 10.344 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.863 | 107  | 332115   | 10.122 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 657592   | 10.407 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 651444   | 10.453 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 354329   | 9.274  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.622 | 237  | 99734    | 8.236  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 185031   | 8.718  | ng    | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021483.D  
 Acq On : 13 Aug 2024 13:59  
 Operator : RC/JU  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC010

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.934 | 196  | 206114   | 8.741  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 912835   | 9.894  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.310 | 162  | 700953   | 9.759  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 117865   | 10.374 | ng    | 97       |
| 49) Acenaphthylene            | 14.169 | 152  | 1049611  | 9.941  | ng    | 100      |
| 50) Dimethylphthalate         | 13.893 | 163  | 889818   | 10.190 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.004 | 165  | 122236   | 10.348 | ng    | 90       |
| 52) Acenaphthene              | 14.516 | 154  | 690129   | 9.961  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.328 | 138  | 120754   | 10.365 | ng    | # 95     |
| 54) 2,4-Dinitrophenol         | 14.540 | 184  | 29452    | 10.721 | ng    | # 52     |
| 55) Dibenzofuran              | 14.851 | 168  | 1067432  | 10.016 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.628 | 139  | 91997    | 11.027 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 139246   | 10.586 | ng    | 94       |
| 58) Fluorene                  | 15.522 | 166  | 912792   | 10.425 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.075 | 232  | 181235   | 9.055  | ng    | 99       |
| 60) Diethylphthalate          | 15.292 | 149  | 909304   | 10.148 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 471863   | 10.426 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.516 | 138  | 129100   | 9.743  | ng    | 87       |
| 63) Azobenzene                | 15.810 | 77   | 1159642  | 10.529 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 198  | 44079    | 11.022 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.722 | 169  | 757847   | 10.103 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.422 | 248  | 293464   | 9.906  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 347933   | 9.938  | ng    | 96       |
| 69) Atrazine                  | 16.698 | 200  | 260277   | 10.106 | ng    | 99       |
| 70) Pentachlorophenol         | 16.892 | 266  | 150520   | 7.877  | ng    | 99       |
| 71) Phenanthrene              | 17.298 | 178  | 1348415  | 10.017 | ng    | 99       |
| 72) Anthracene                | 17.392 | 178  | 1336422  | 10.123 | ng    | 99       |
| 73) Carbazole                 | 17.657 | 167  | 1267960  | 9.966  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.275 | 149  | 1490471  | 9.539  | ng    | 99       |
| 75) Fluoranthene              | 19.375 | 202  | 1613504  | 9.769  | ng    | 100      |
| 77) Benzidine                 | 19.569 | 184  | 336598   | 9.509  | ng    | 99       |
| 78) Pyrene                    | 19.751 | 202  | 1667213  | 11.243 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.704 | 149  | 414136   | 10.409 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.680 | 228  | 1415007  | 9.936  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.598 | 252  | 405660   | 8.884  | ng    | 99       |
| 83) Chrysene                  | 21.751 | 228  | 1338613  | 9.955  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.639 | 149  | 720802   | 8.563  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.951 | 149  | 951183   | 10.621 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.974 | 276  | 1255326  | 8.917  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.021 | 252  | 1250809  | 10.027 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.092 | 252  | 1195420  | 9.824  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.927 | 252  | 1035462  | 9.565  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.051 | 278  | 1047693  | 8.956  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.168 | 276  | 1037272  | 8.847  | ng    | 99       |

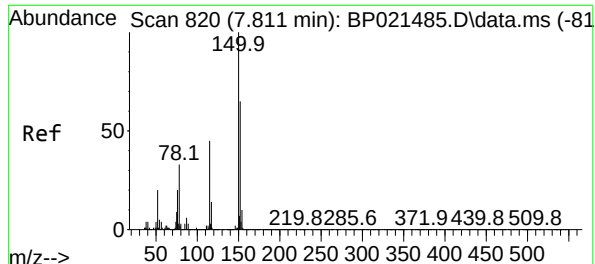
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICC010

## Manual Integrations

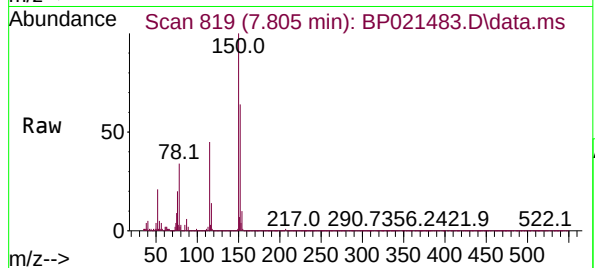
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

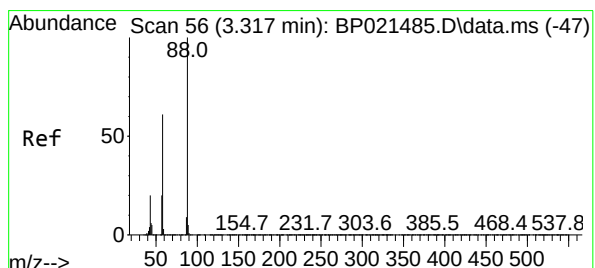
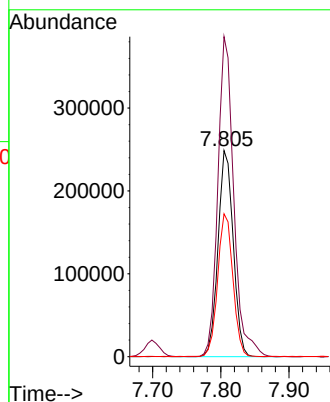
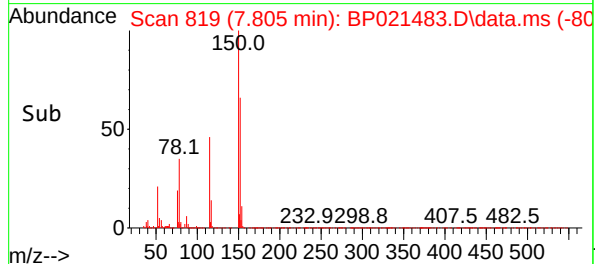
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion: 152 Resp: 385438  
Ion Ratio Lower Upper  
152 100  
150 155.2 122.4 183.6  
115 69.3 54.7 82.1

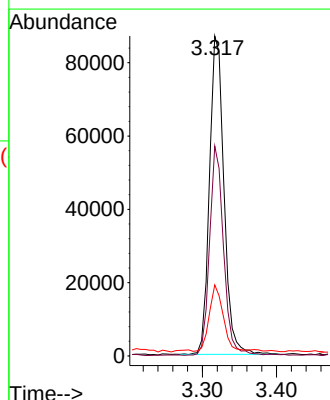
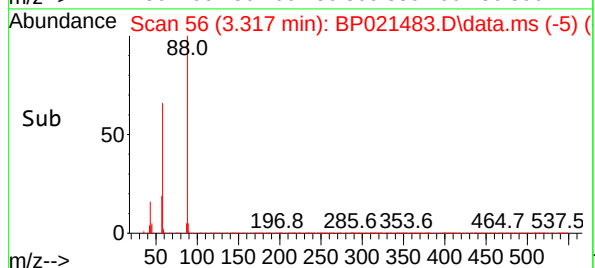
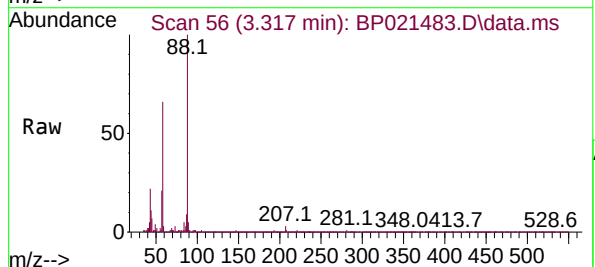
Manual Integrations  
APPROVED

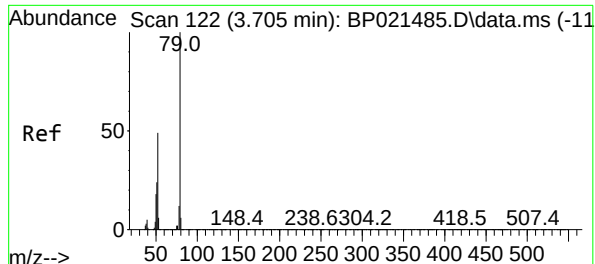
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#2  
1,4-Dioxane  
Concen: 9.611 ng  
RT: 3.317 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 88 Resp: 118289  
Ion Ratio Lower Upper  
88 100  
58 63.3 48.7 73.1  
43 19.9 15.4 23.2





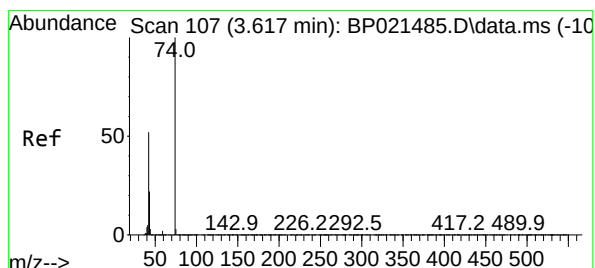
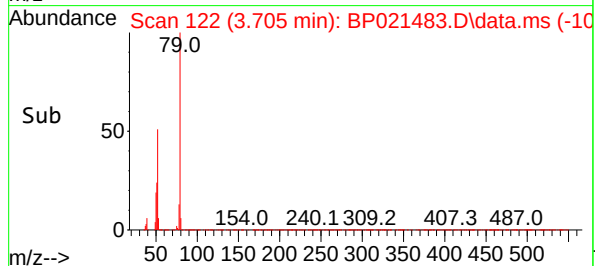
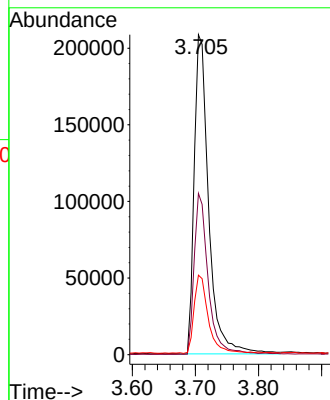
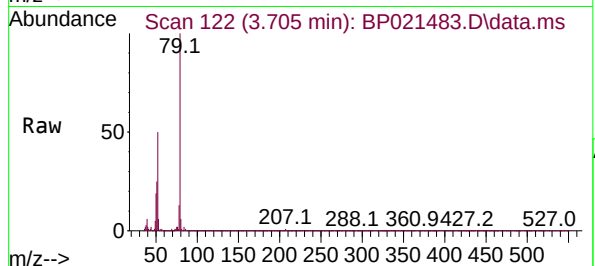
#3  
Pyridine  
Concen: 9.645 ng  
RT: 3.705 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion: 79 Resp: 331408  
Ion Ratio Lower Upper  
79 100  
52 50.4 39.0 58.6  
51 24.9 19.2 28.8

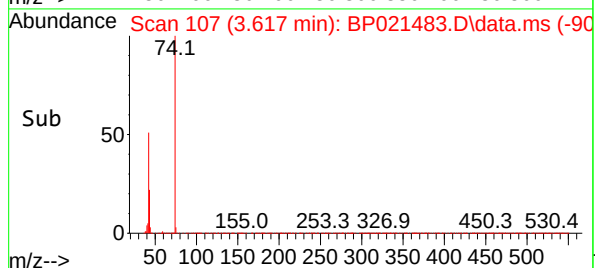
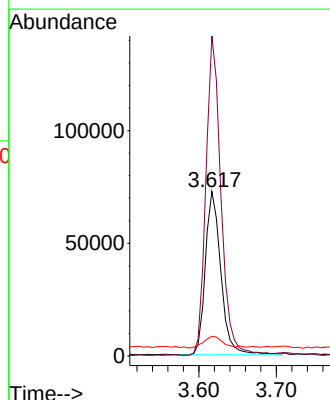
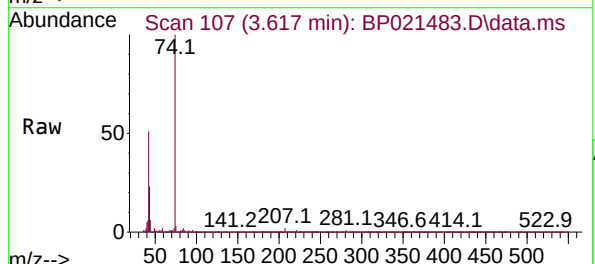
Manual Integrations  
APPROVED

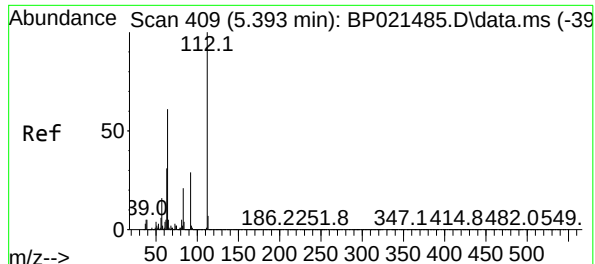
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 9.794 ng  
RT: 3.617 min Scan# 107  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 42 Resp: 101144  
Ion Ratio Lower Upper  
42 100  
74 194.5 154.3 231.5  
44 12.0 6.2 9.4#





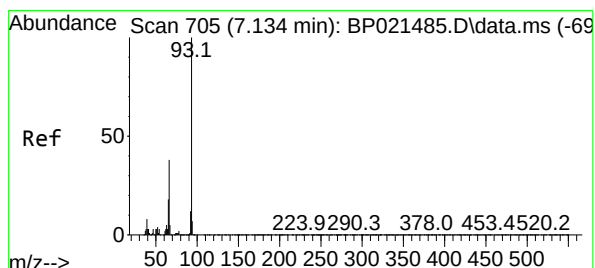
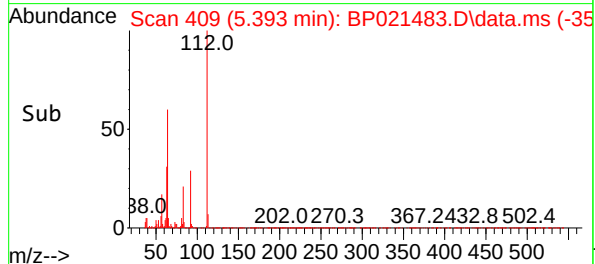
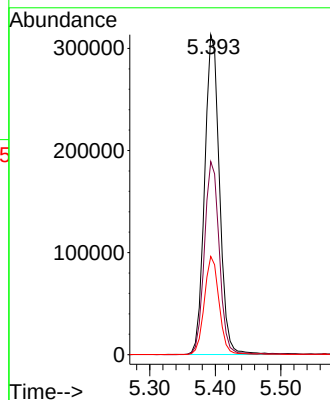
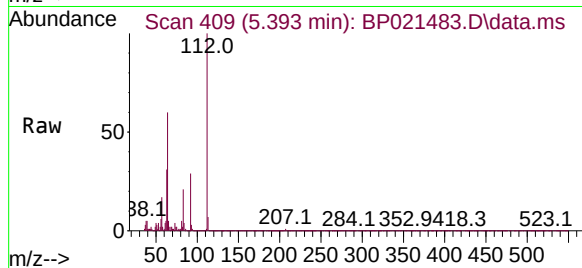
#5  
2-Fluorophenol  
Concen: 19.090 ng  
RT: 5.393 min Scan# 409  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion: 112 Resp: 495524  
Ion Ratio Lower Upper  
112 100  
64 60.4 49.0 73.6  
63 30.7 24.6 36.8

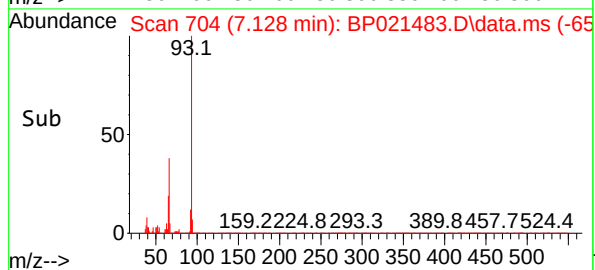
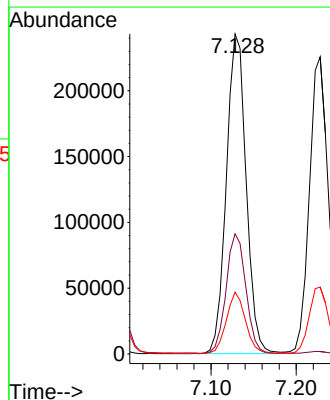
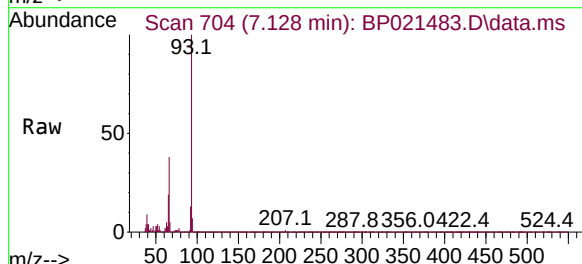
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

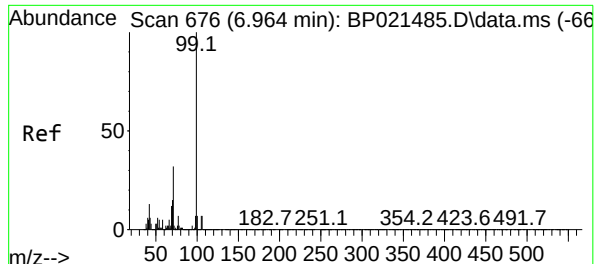


#6  
Aniline  
Concen: 10.359 ng  
RT: 7.128 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 392151  
Ion Ratio Lower Upper  
93 100  
66 37.6 30.2 45.2  
65 19.3 14.7 22.1







#7

Phenol-d6

Concen: 19.953 ng

RT: 6.958 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

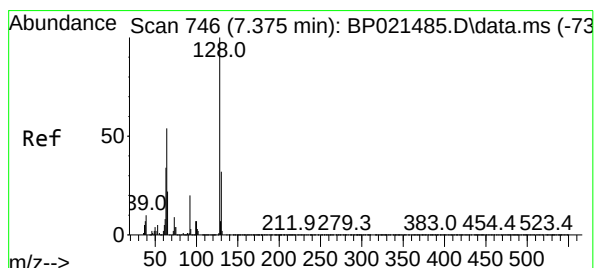
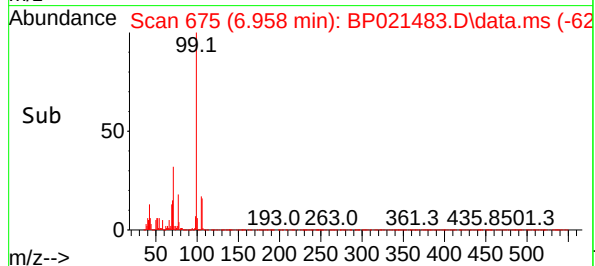
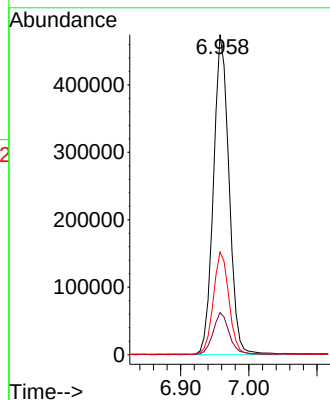
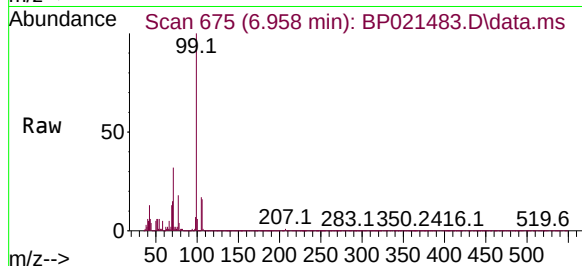
ClientSampleId :

SSTDICC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 755554 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 13.1  | 10.2  | 15.4   |
| 71       | 32.1  | 25.8  | 38.8   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 9.811 ng

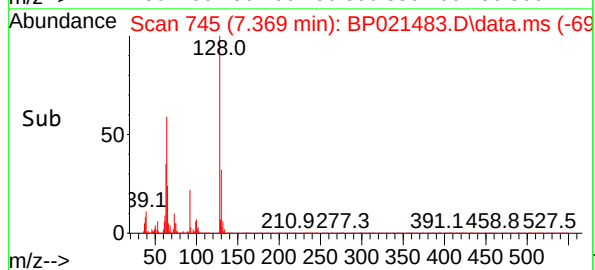
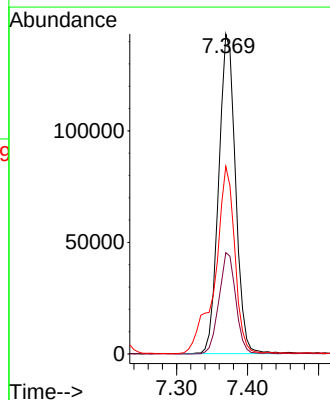
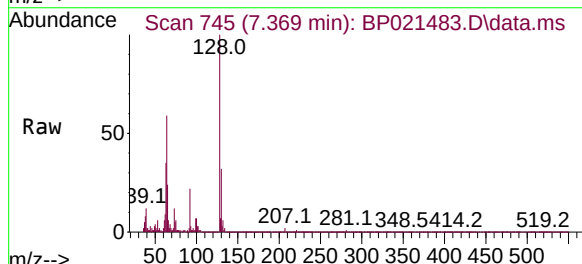
RT: 7.369 min Scan# 745

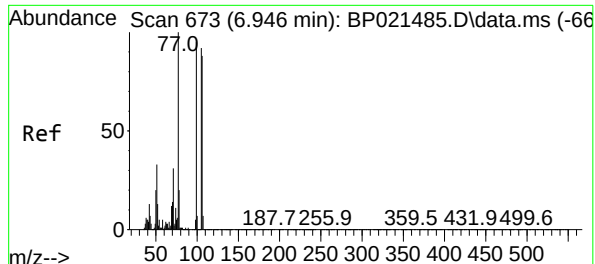
Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 235350 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 31.6  | 11.6  | 51.6   |
| 64       | 58.6  | 35.3  | 75.3   |





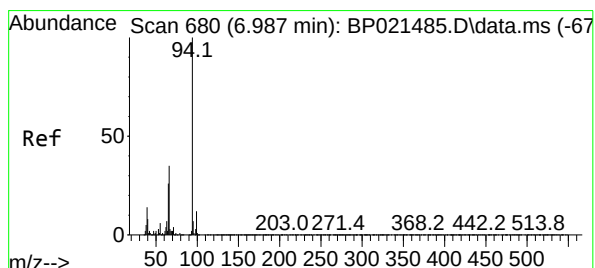
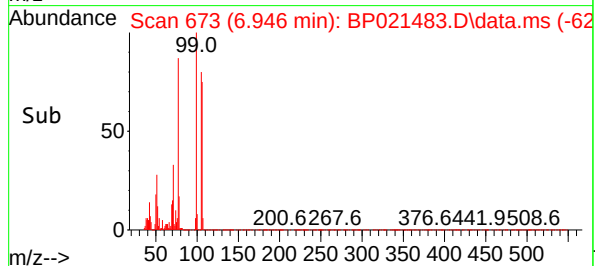
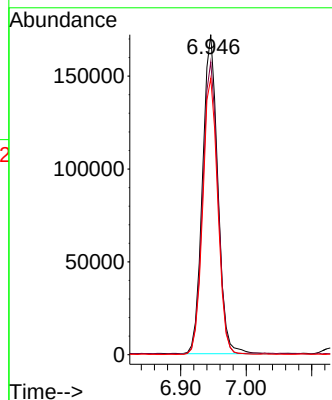
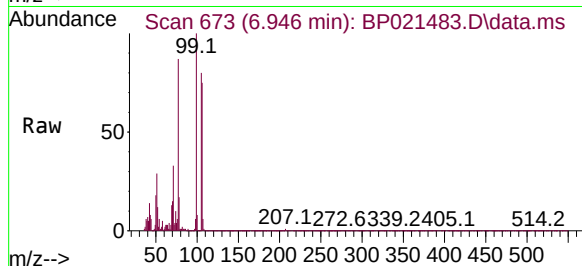
#9  
Benzaldehyde  
Concen: 11.503 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion: 77 Resp: 278892  
Ion Ratio Lower Upper  
77 100  
105 91.5 72.1 112.1  
106 86.4 67.9 107.9

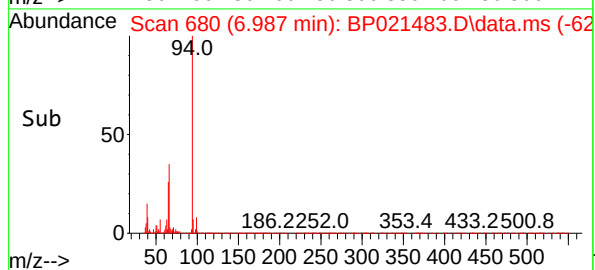
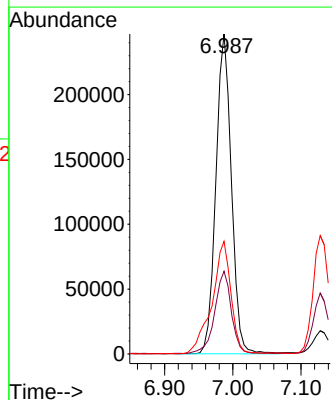
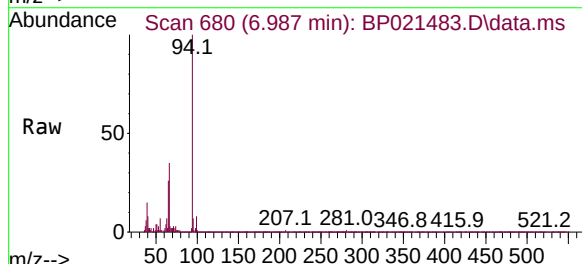
Manual Integrations  
APPROVED

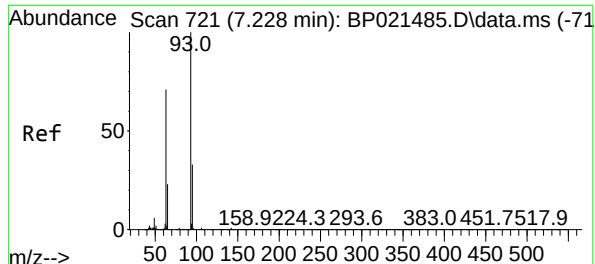
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 9.945 ng  
RT: 6.987 min Scan# 680  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 94 Resp: 389958  
Ion Ratio Lower Upper  
94 100  
65 25.9 6.5 46.5  
66 35.2 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 10.456 ng

RT: 7.228 min Scan# 721

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion: 93 Resp: 34694

Ion Ratio Lower Upper

93 100

63 69.9 51.0 91.0

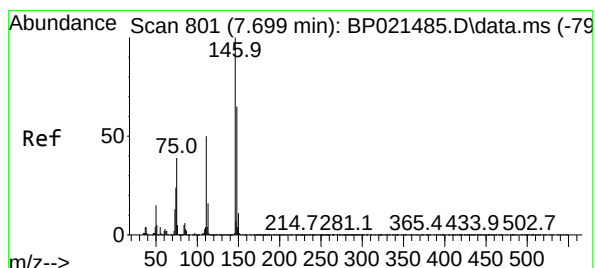
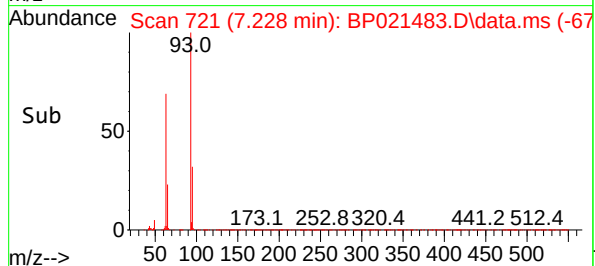
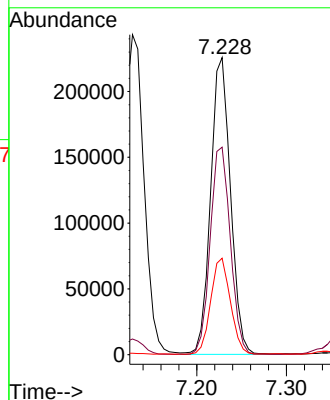
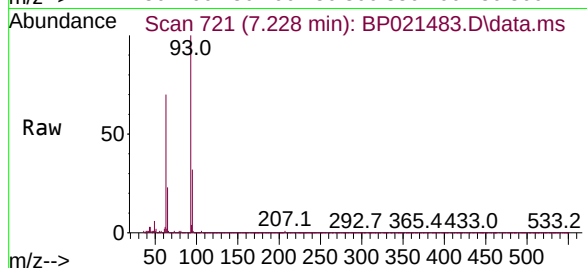
95 32.5 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 10.006 ng

RT: 7.699 min Scan# 801

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

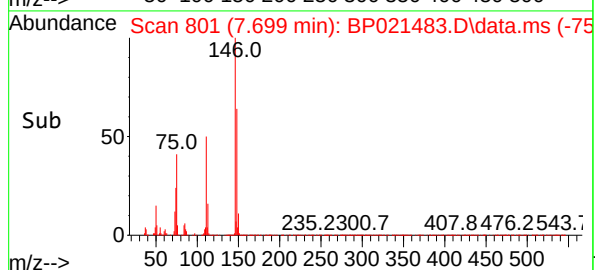
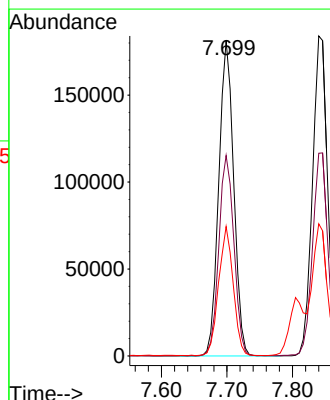
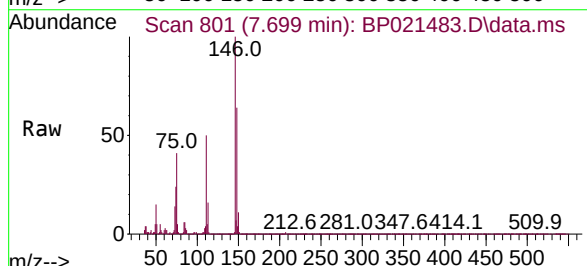
Tgt Ion:146 Resp: 285122

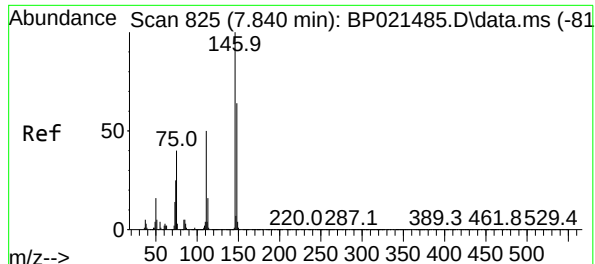
Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.6

75 41.0 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 10.140 ng

RT: 7.840 min Scan# 81

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 29175

Ion Ratio Lower Upper

146 100

148 63.4 51.5 77.3

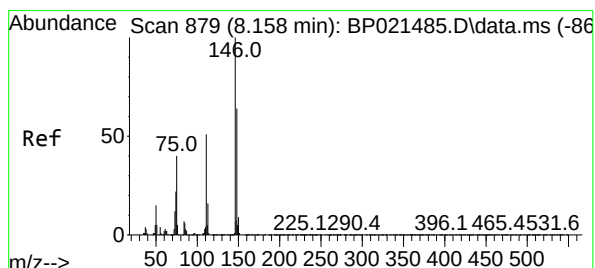
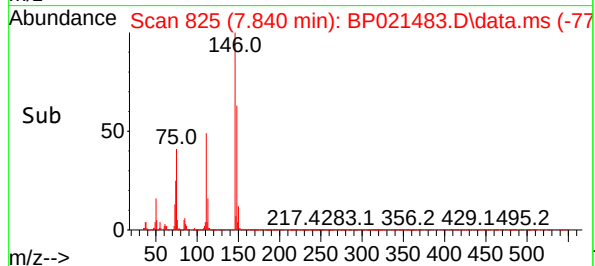
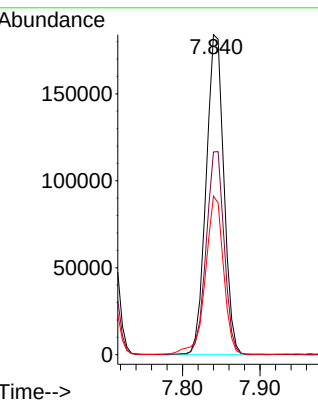
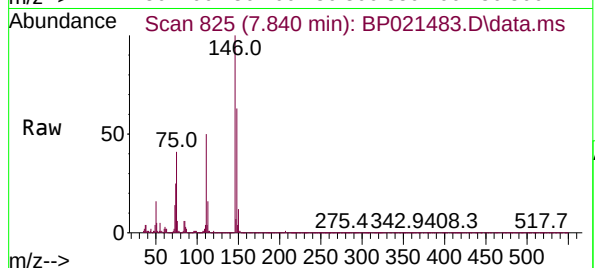
111 49.6 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 10.251 ng

RT: 8.158 min Scan# 879

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

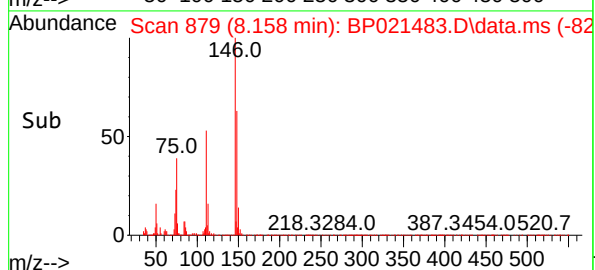
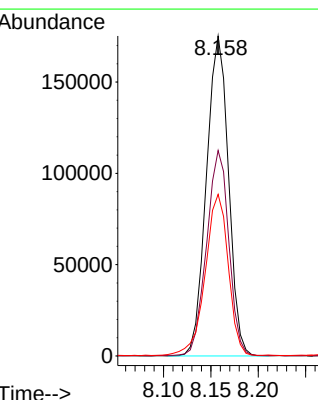
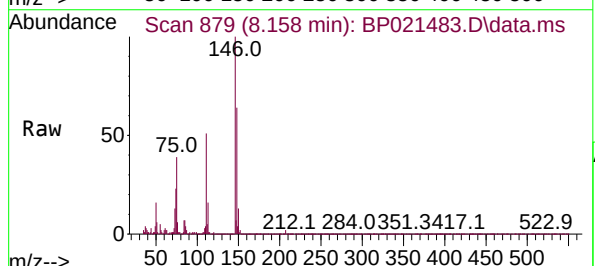
Tgt Ion:146 Resp: 284225

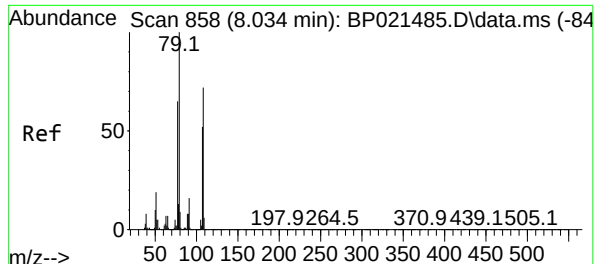
Ion Ratio Lower Upper

146 100

148 64.2 51.5 77.3

111 50.5 41.1 61.7





#15

Benzyl Alcohol

Concen: 10.315 ng

RT: 8.034 min Scan# 858

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 28025

Ion Ratio Lower Upper

79 100

108 72.4 57.9 86.9

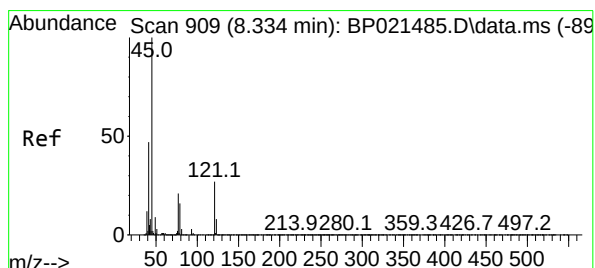
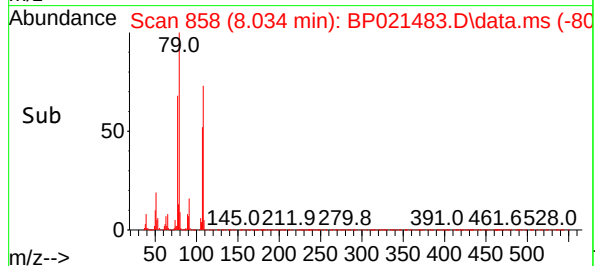
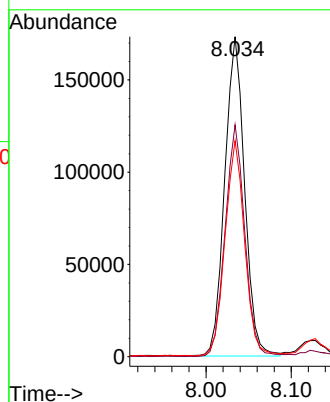
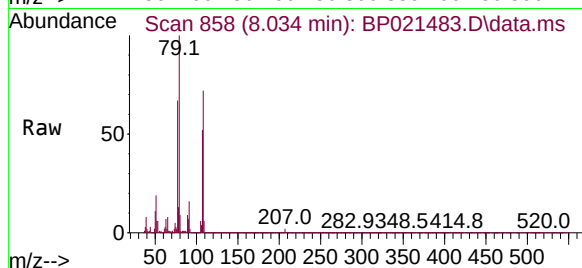
77 67.5 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.822 ng m

RT: 8.334 min Scan# 909

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

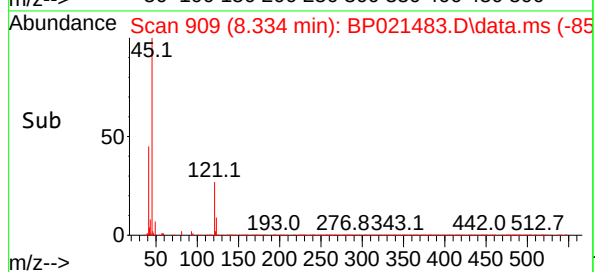
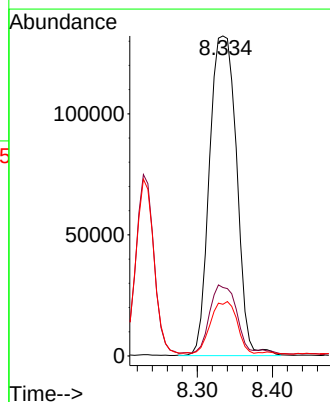
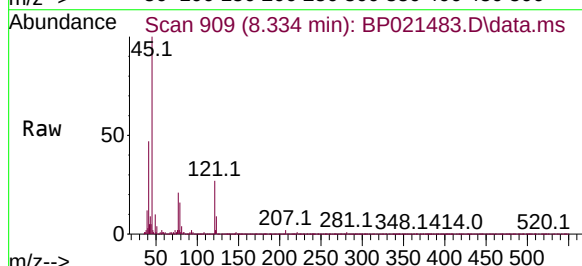
Tgt Ion: 45 Resp: 330688

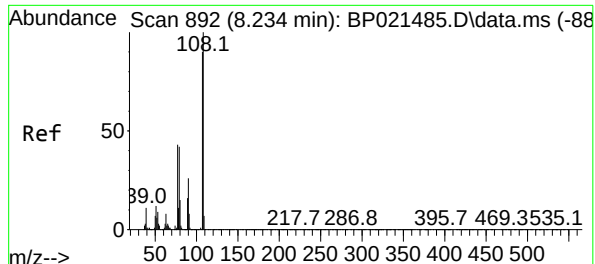
Ion Ratio Lower Upper

45 100

77 21.4 1.9 41.9

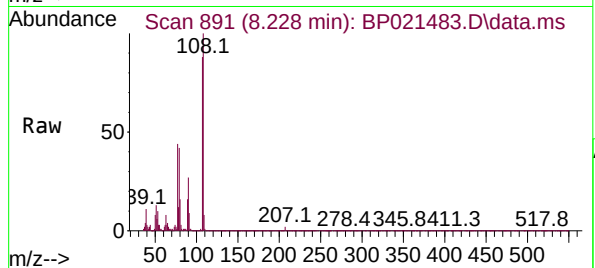
79 16.1 0.0 36.6





#17  
2-Methylphenol  
Concen: 10.205 ng  
RT: 8.228 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

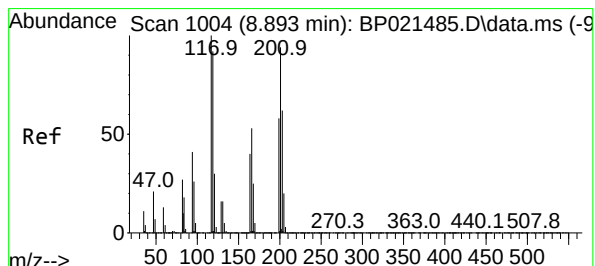
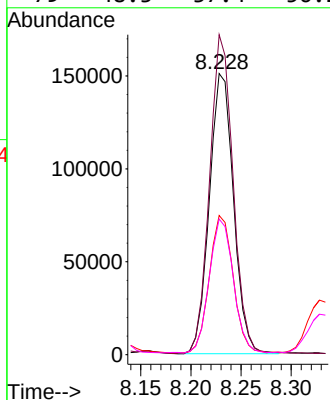
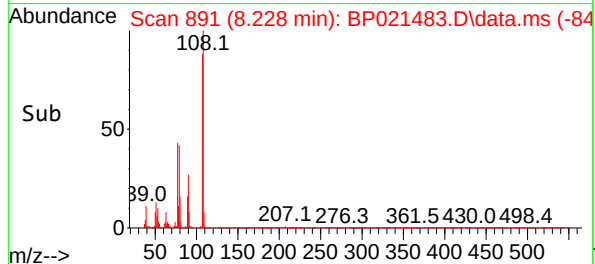
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC010



Tgt Ion: 107 Resp: 25297  
Ion Ratio Lower Upper  
107 100  
108 113.8 88.8 133.2  
77 49.5 38.7 58.1  
79 48.3 37.4 56.2

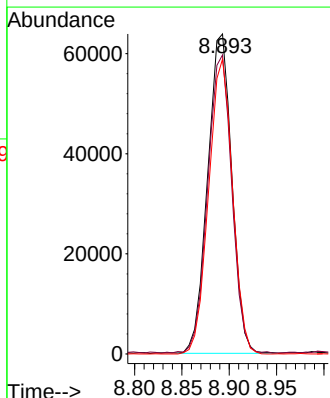
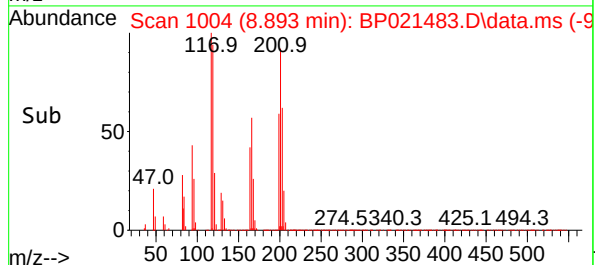
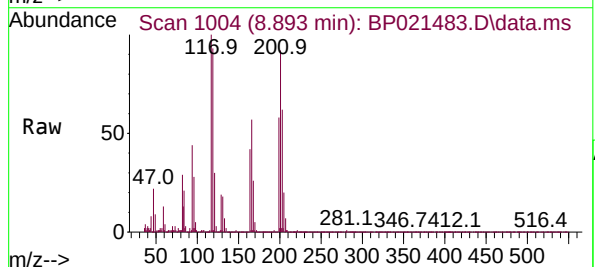
Manual Integrations  
APPROVED

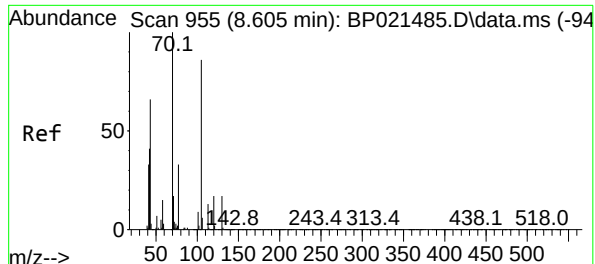
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#18  
Hexachloroethane  
Concen: 9.855 ng  
RT: 8.893 min Scan# 1004  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 117 Resp: 113709  
Ion Ratio Lower Upper  
117 100  
119 93.5 73.9 110.9  
201 92.1 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 11.459 ng

RT: 8.599 min Scan# 91

Delta R.T. -0.006 min

Lab File: BP021483.D

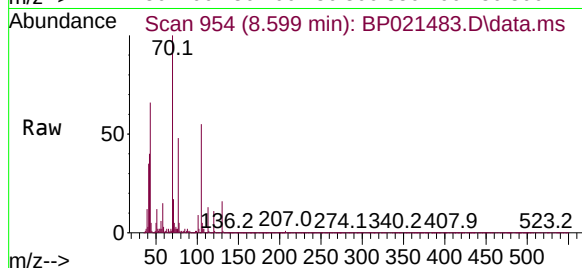
Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 299730

Ion Ratio Lower Upper

70 100

42 40.3 33.1 49.7

101 9.3 7.4 11.2

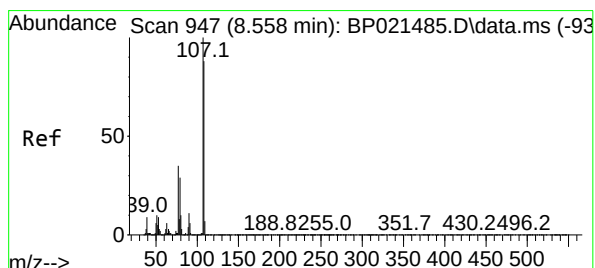
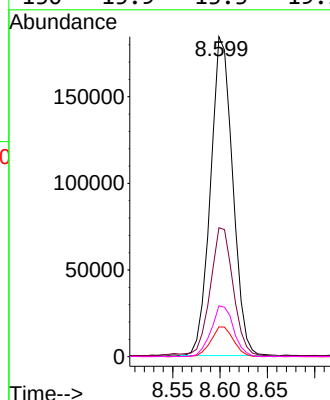
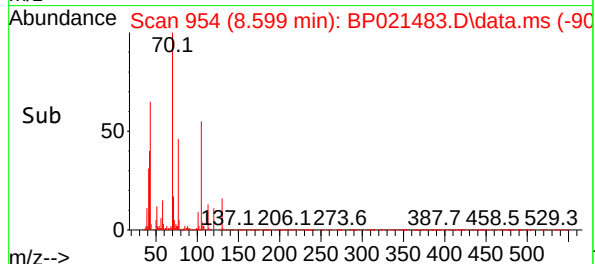
130 15.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

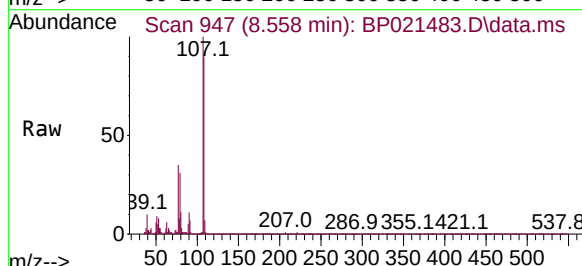
Concen: 10.496 ng

RT: 8.558 min Scan# 947

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59



Tgt Ion:107 Resp: 350826

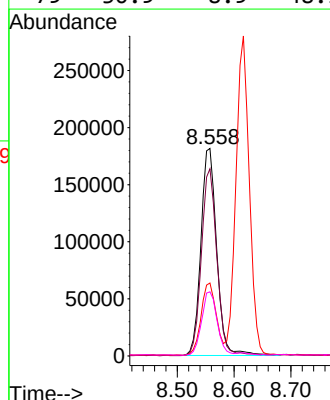
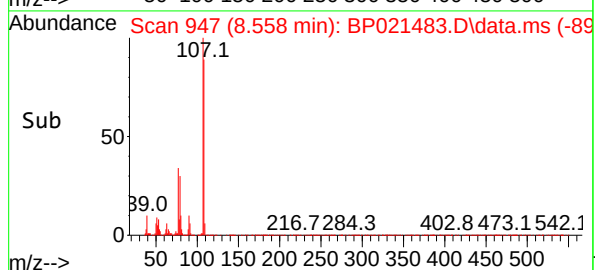
Ion Ratio Lower Upper

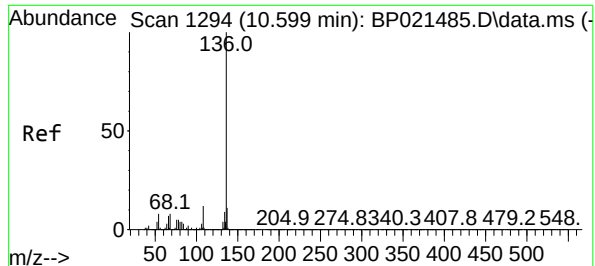
107 100

108 90.2 67.6 107.6

77 35.1 15.0 55.0

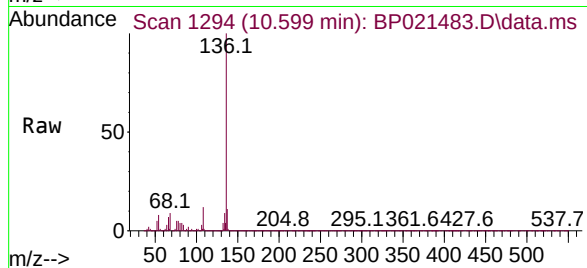
79 30.9 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

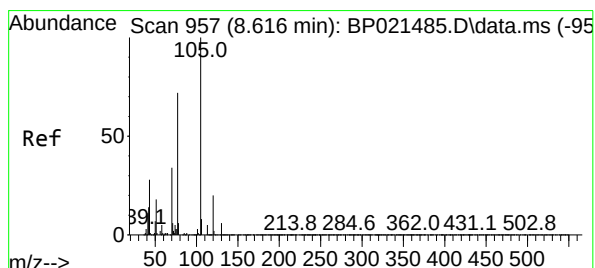
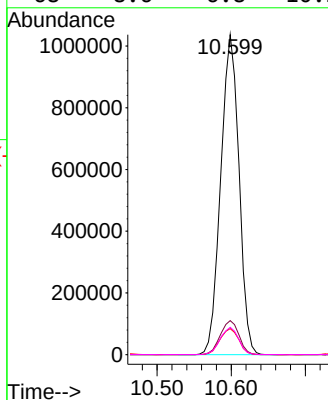
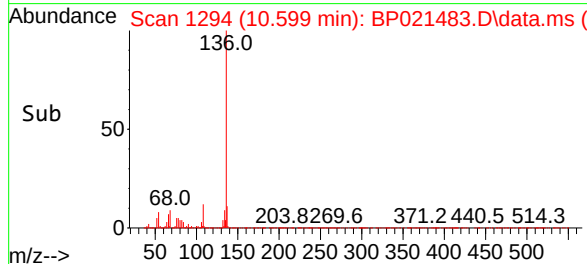
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:136 Resp: 1772285  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 8.2 6.3 9.5  
68 8.6 6.8 10.2

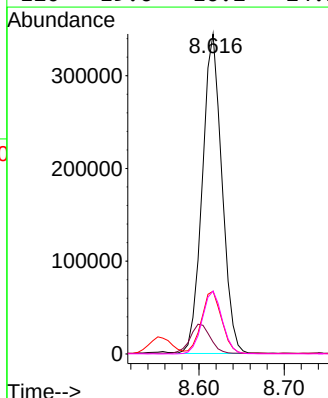
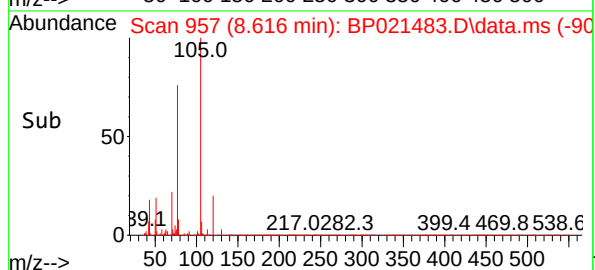
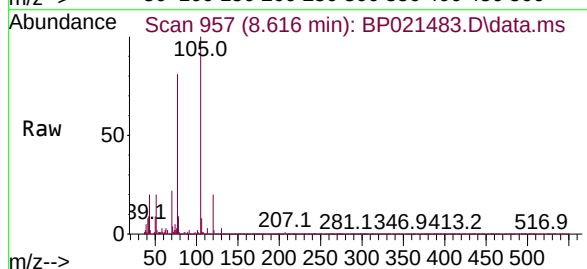
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

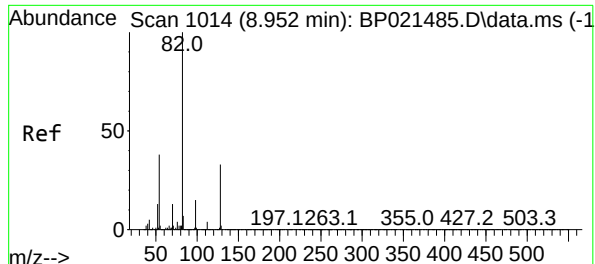


#22  
Acetophenone  
Concen: 10.104 ng  
RT: 8.616 min Scan# 957  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:105 Resp: 550125  
Ion Ratio Lower Upper  
105 100  
71 3.7 4.6 7.0#  
51 19.6 16.3 24.5  
120 19.6 16.2 24.2







#23

Nitrobenzene-d5

Concen: 17.479 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

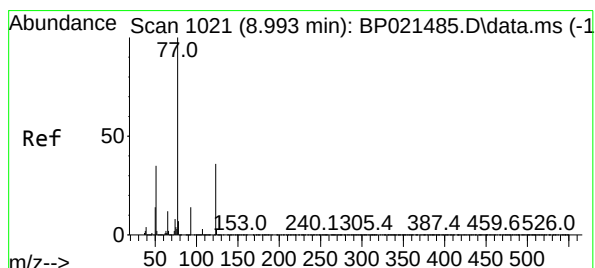
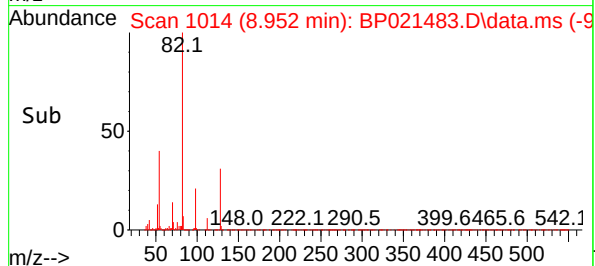
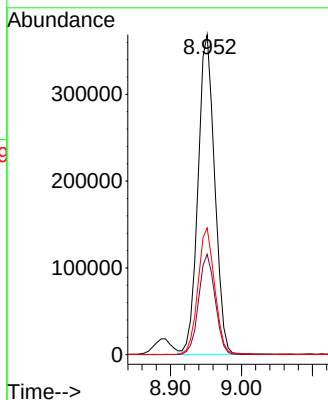
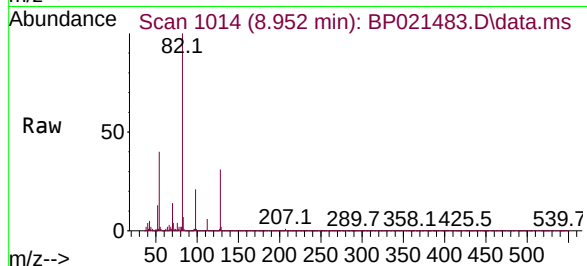
SSTDICC010

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 60015 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 31.4  | 26.5  | 39.7  |
| 54       | 39.6  | 30.3  | 45.5  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 9.156 ng

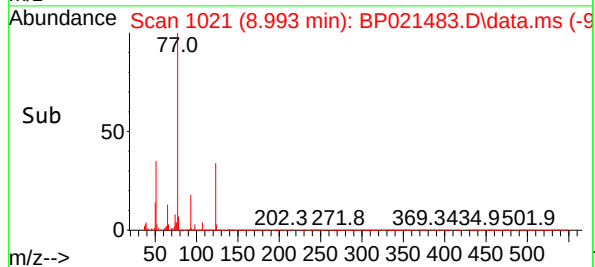
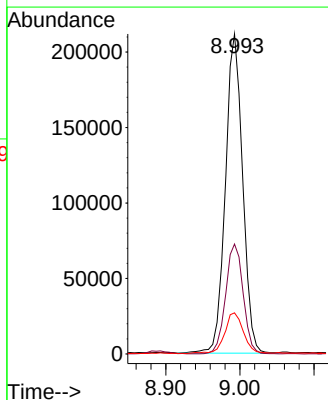
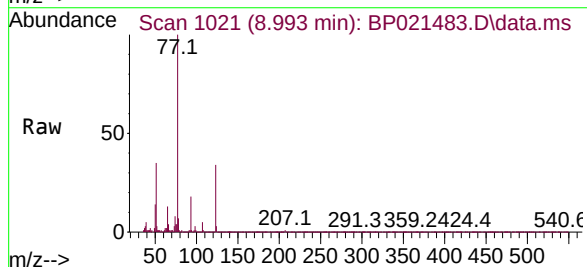
RT: 8.993 min Scan# 1021

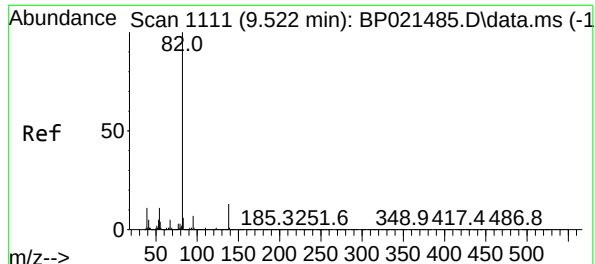
Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 341460 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 123      | 34.3  | 29.5  | 44.3   |
| 65       | 12.9  | 9.9   | 14.9   |





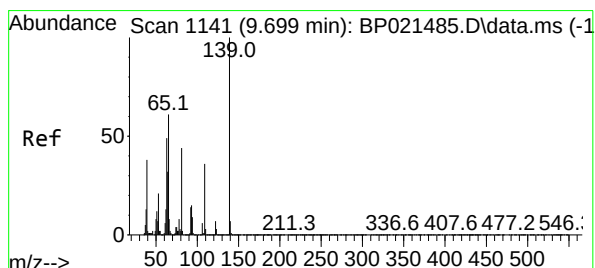
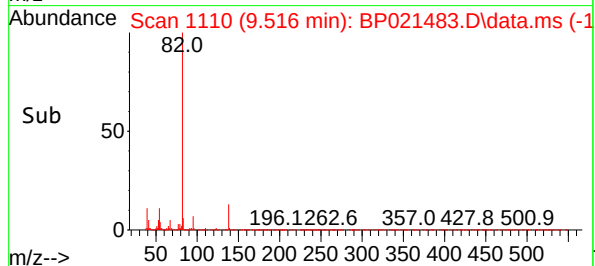
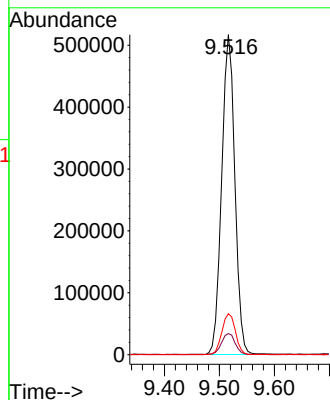
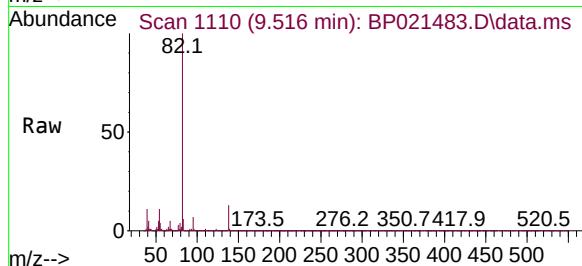
#25  
Isophorone  
Concen: 10.593 ng  
RT: 9.516 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion: 82 Resp: 85929  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.4 8.2  
138 12.8 10.6 16.0

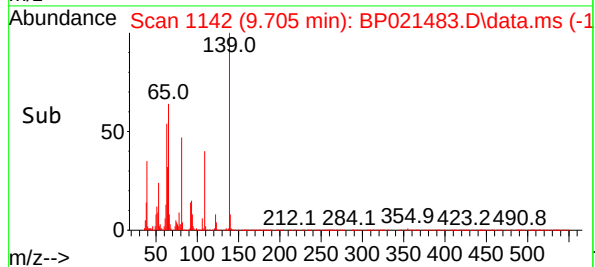
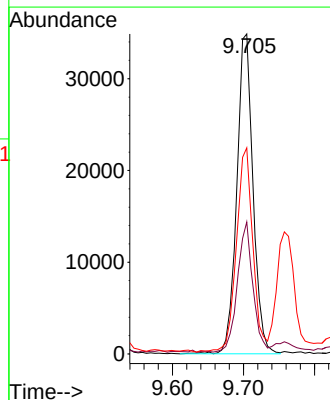
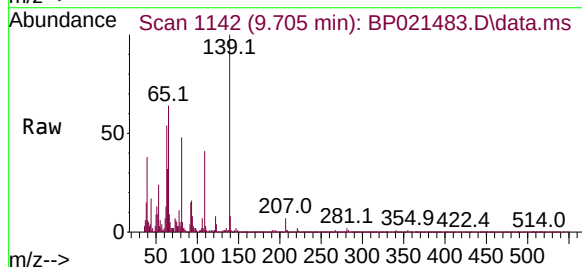
Manual Integrations  
APPROVED

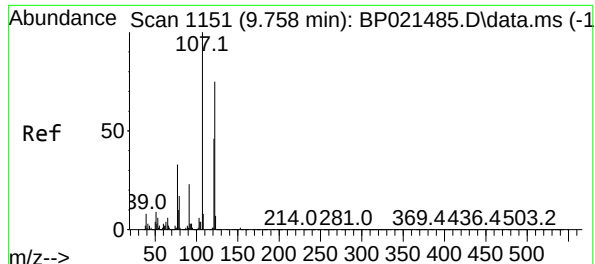
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#26  
2-Nitrophenol  
Concen: 10.066 ng  
RT: 9.705 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 55468  
Ion Ratio Lower Upper  
139 100  
109 41.2 28.9 43.3  
65 64.4 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 9.962 ng

RT: 9.757 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

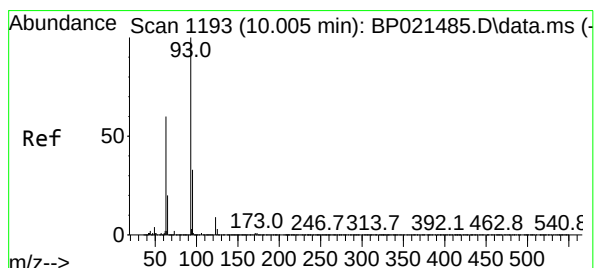
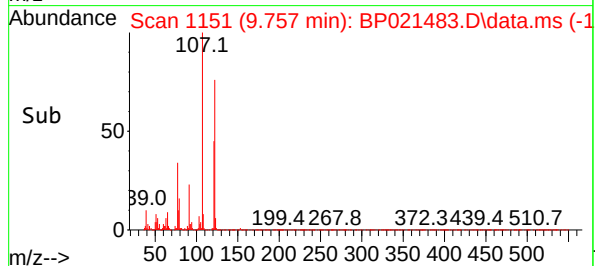
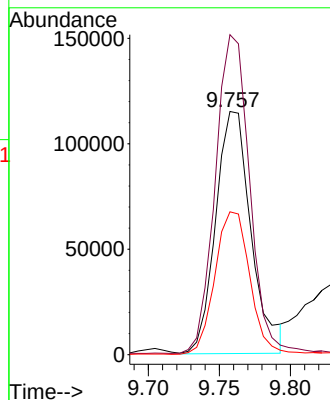
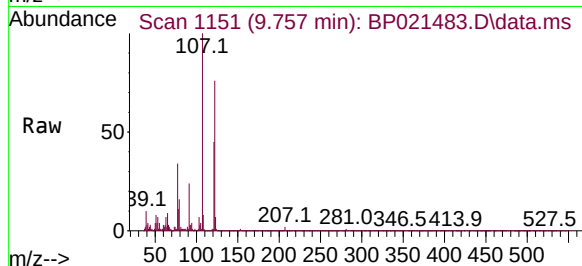
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 199430 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 131.6 | 106.2 | 159.4  |
| 121      | 58.8  | 48.8  | 73.2   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 10.270 ng

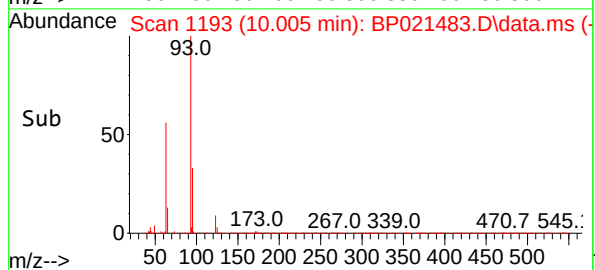
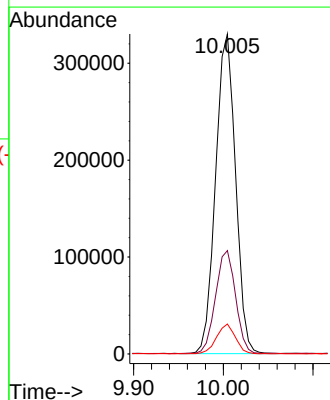
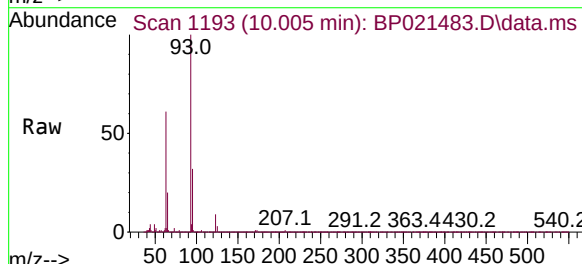
RT: 10.005 min Scan# 1193

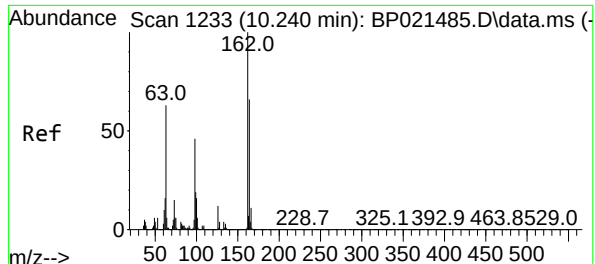
Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 508512 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.3  | 26.2  | 39.4   |
| 123      | 9.4   | 7.6   | 11.4   |





#29

2,4-Dichlorophenol

Concen: 9.322 ng

RT: 10.240 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 220504

Ion Ratio Lower Upper

162 100

164 64.5 45.9 85.9

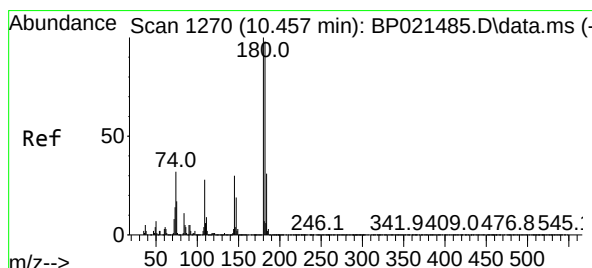
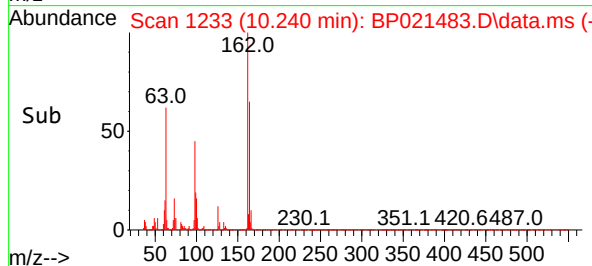
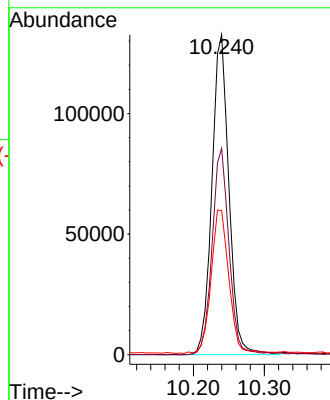
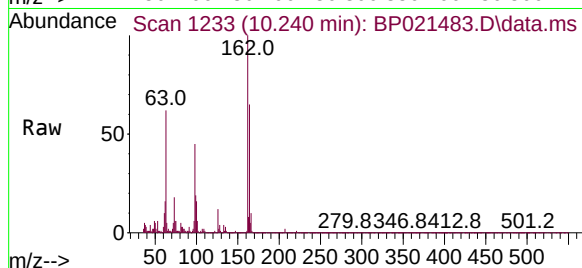
98 45.0 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#30

1,2,4-Trichlorobenzene

Concen: 9.689 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

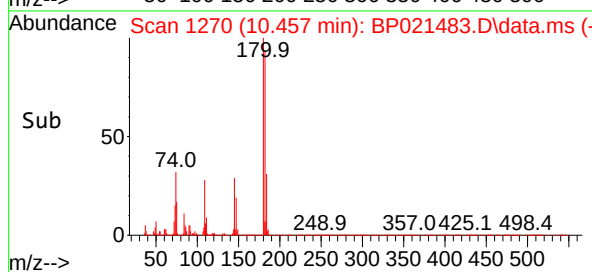
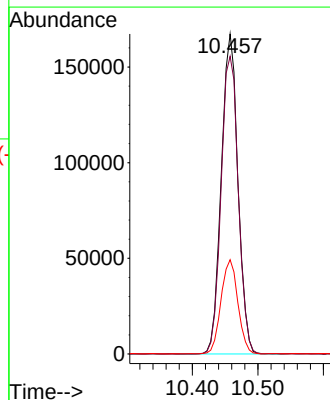
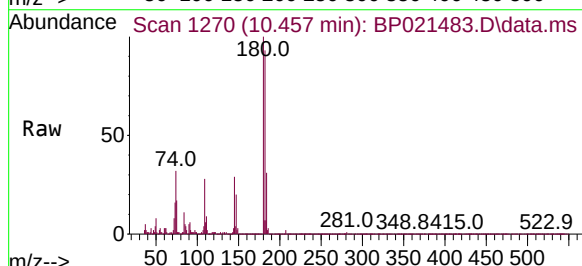
Tgt Ion:180 Resp: 293816

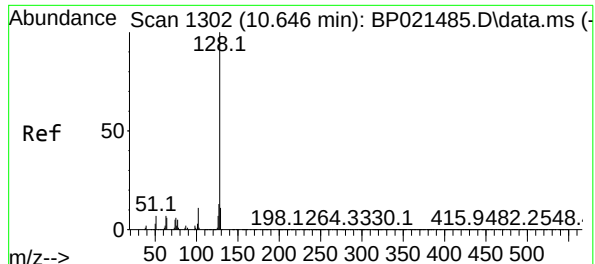
Ion Ratio Lower Upper

180 100

182 93.0 78.3 117.5

145 29.5 24.0 36.0





#31

Naphthalene

Concen: 9.962 ng

RT: 10.646 min Scan# 1163

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

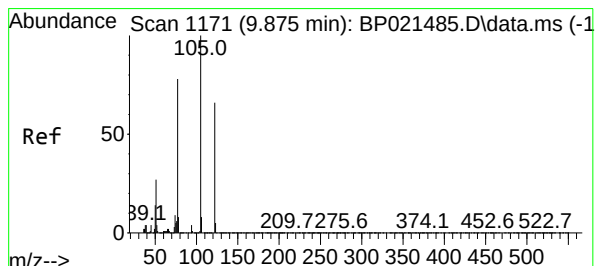
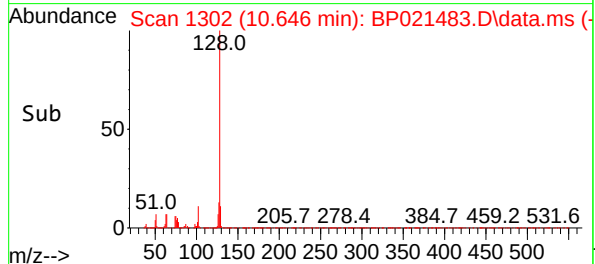
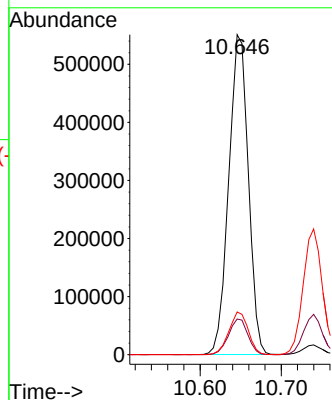
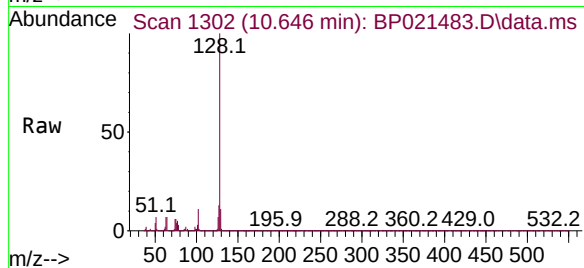
SSTDICC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 92230 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.2  | 8.6   | 12.8  |
| 127       | 13.4  | 10.6  | 15.8  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#32

Benzoic acid

Concen: 10.529 ng

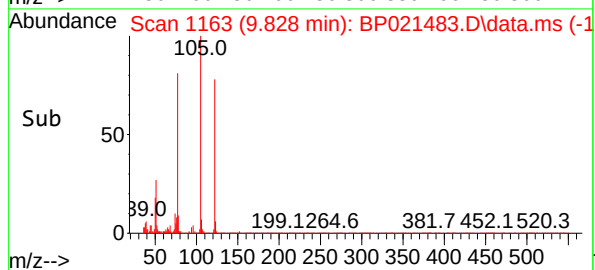
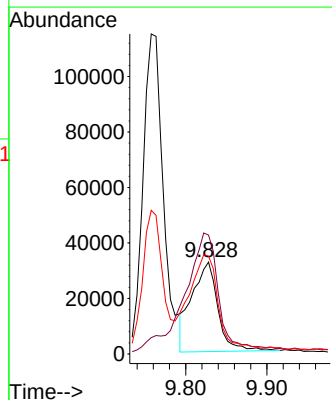
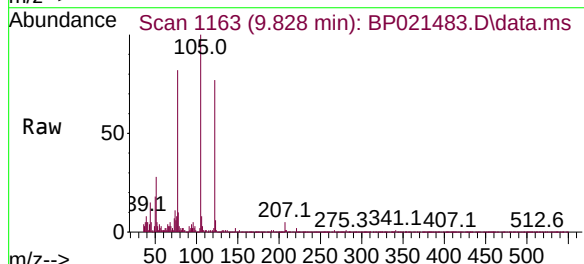
RT: 9.828 min Scan# 1163

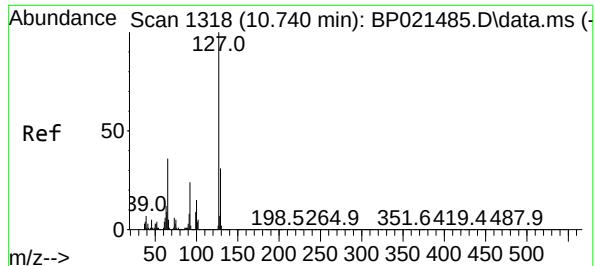
Delta R.T. -0.047 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

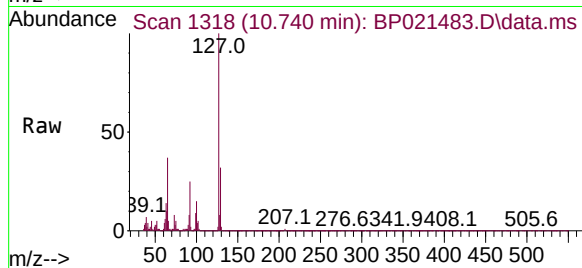
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 72405 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 129.6 | 124.6 | 164.6 |
| 77        | 106.7 | 96.2  | 136.2 |





#33  
4-Chloroaniline  
Concen: 10.269 ng  
RT: 10.740 min Scan# 1318  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

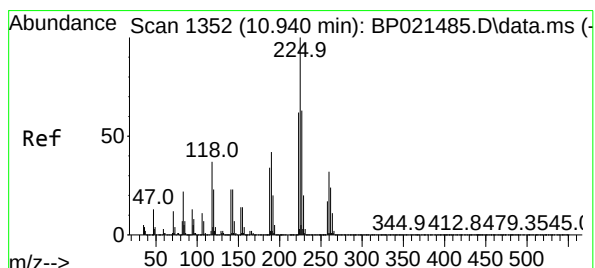
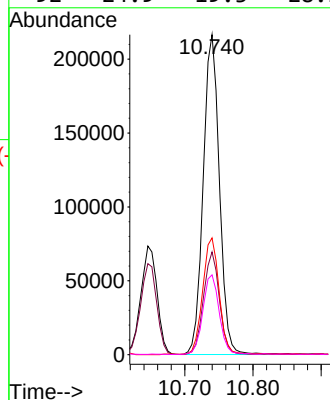
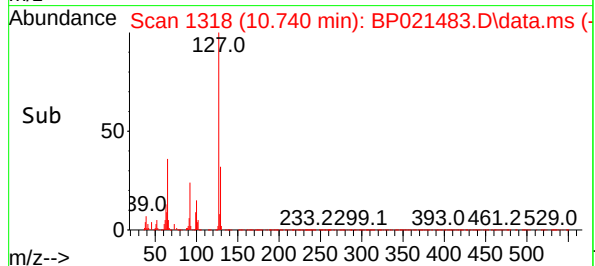
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



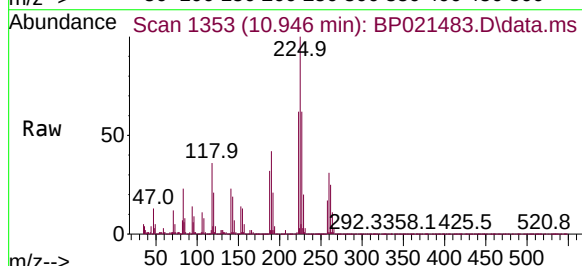
Tgt Ion:127 Resp: 357120  
Ion Ratio Lower Upper  
127 100  
129 32.1 24.5 36.7  
65 36.5 28.9 43.3  
92 24.9 19.3 28.9

Manual Integrations  
APPROVED

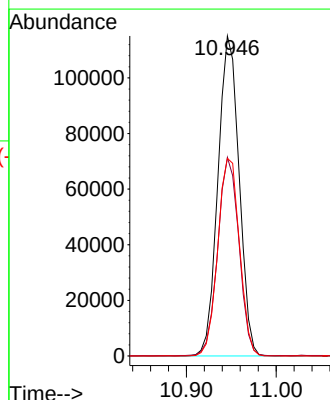
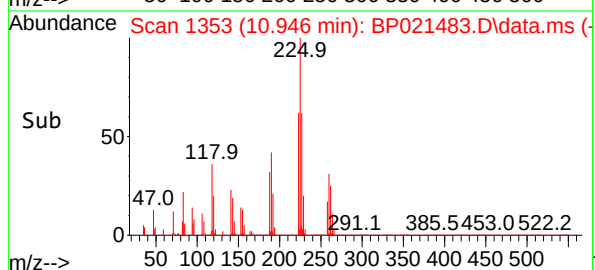
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

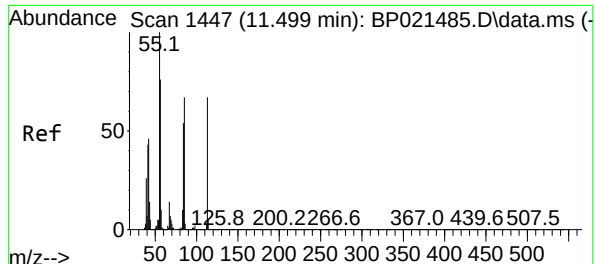


#34  
Hexachlorobutadiene  
Concen: 9.867 ng  
RT: 10.946 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59



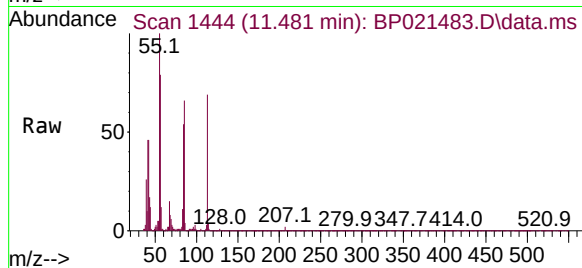
Tgt Ion:225 Resp: 188389  
Ion Ratio Lower Upper  
225 100  
223 62.1 49.6 74.4  
227 61.7 50.1 75.1





#35  
Caprolactam  
Concen: 10.344 ng  
RT: 11.481 min Scan# 1447  
Delta R.T. -0.018 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

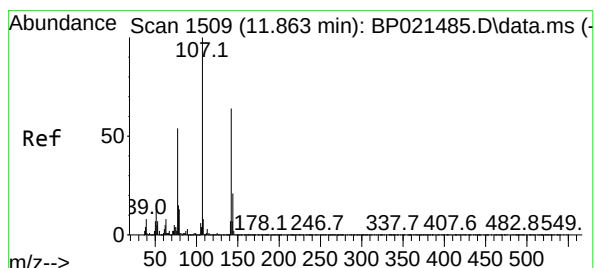
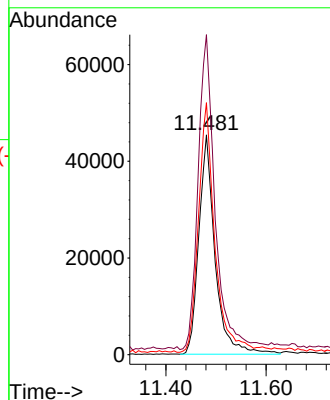
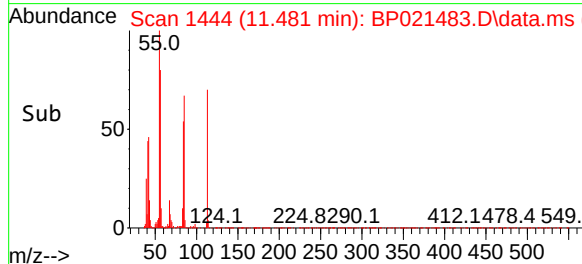
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:113 Resp: 101824  
Ion Ratio Lower Upper  
113 100  
55 145.6 130.6 170.6  
56 114.6 94.6 134.6

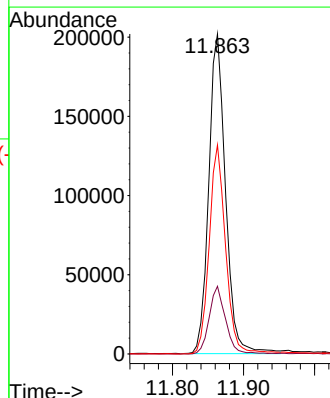
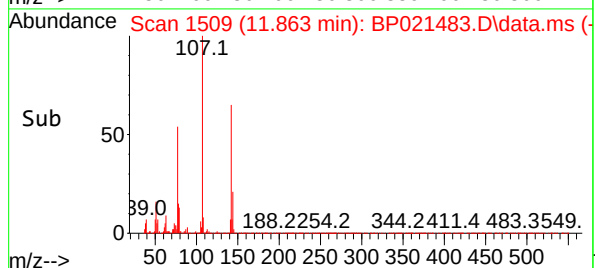
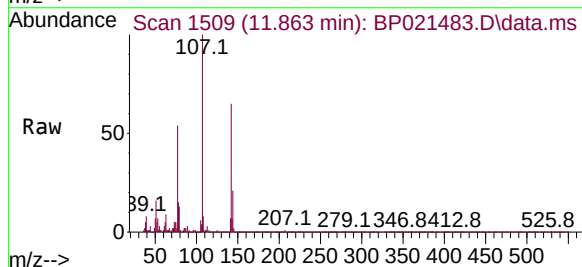
Manual Integrations  
APPROVED

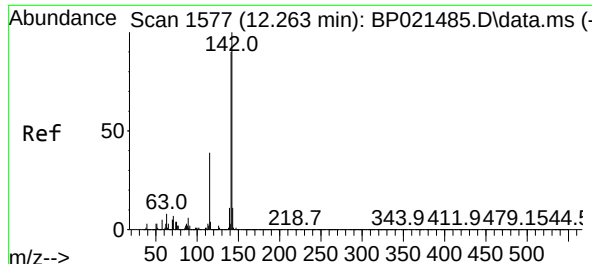
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#36  
4-Chloro-3-methylphenol  
Concen: 10.122 ng  
RT: 11.863 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 332115  
Ion Ratio Lower Upper  
107 100  
144 21.2 16.6 24.8  
142 65.3 51.0 76.4





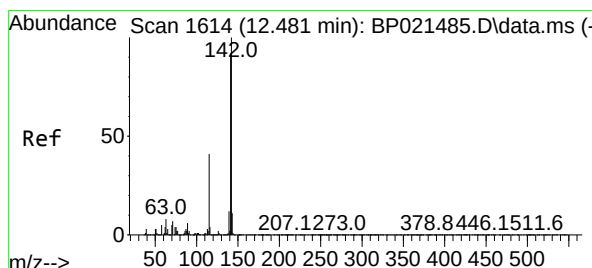
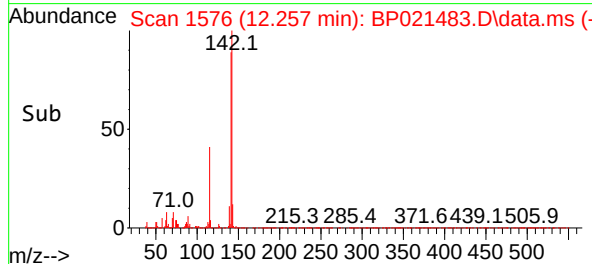
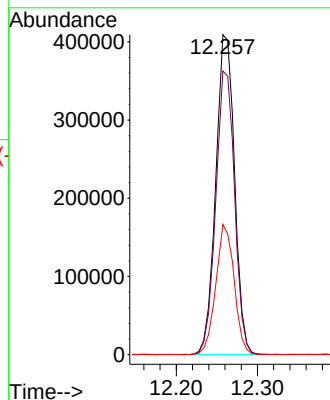
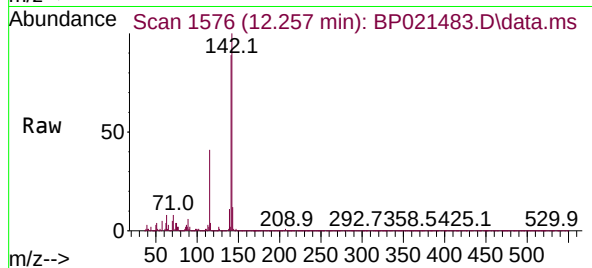
#37  
2-Methylnaphthalene  
Concen: 10.407 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion:142 Resp: 657592  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.7 107.5  
115 40.7 31.4 47.2

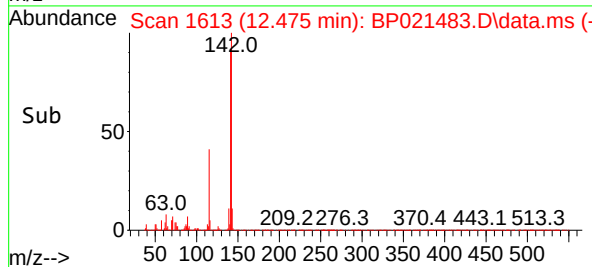
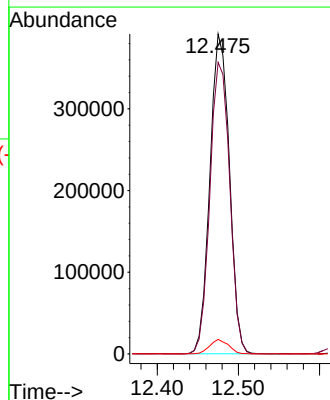
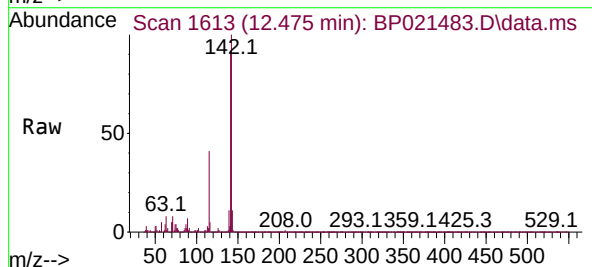
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

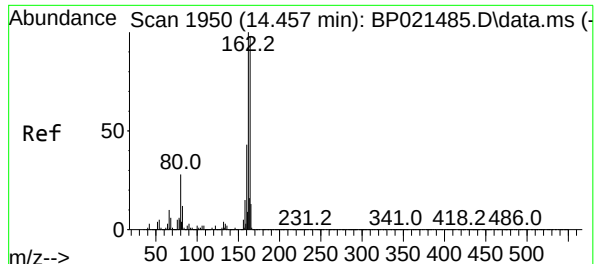


#38  
1-Methylnaphthalene  
Concen: 10.453 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 651444  
Ion Ratio Lower Upper  
142 100  
141 91.1 73.5 110.3  
116 4.5 3.4 5.2







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:164 Resp: 1303990

Ion Ratio Lower Upper

164 100

162 102.6 81.5 122.3

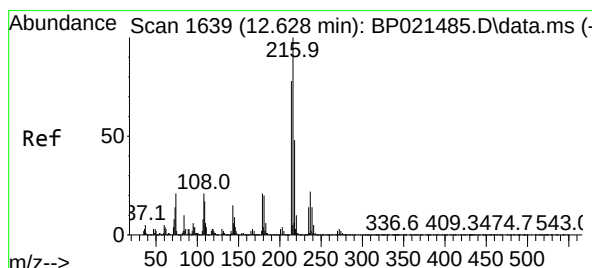
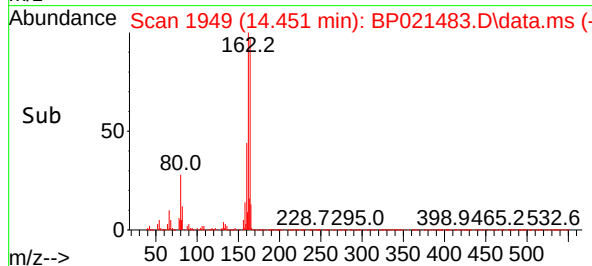
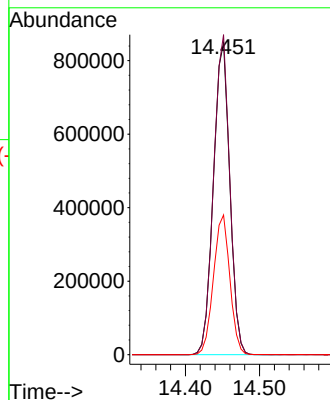
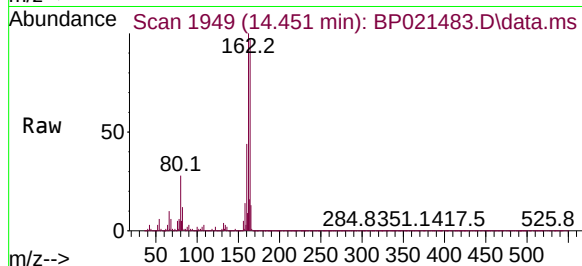
160 44.8 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.274 ng

RT: 12.628 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Tgt Ion:216 Resp: 354329

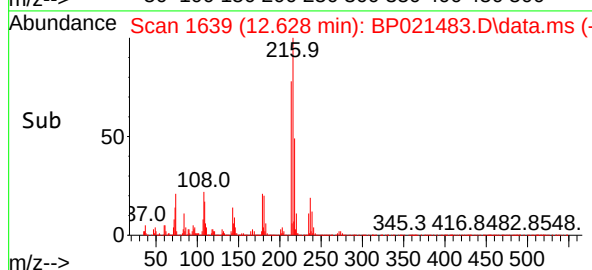
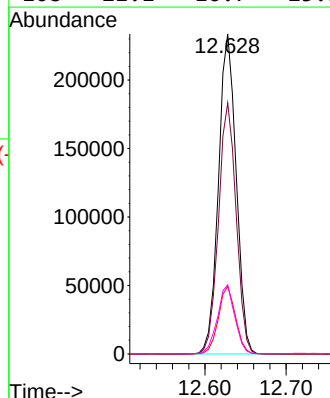
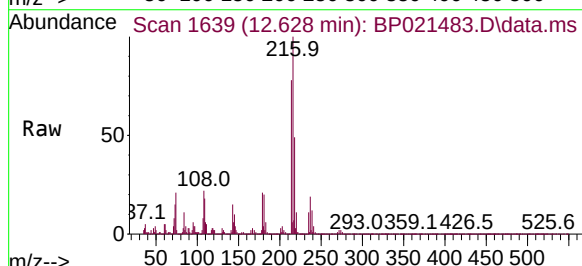
Ion Ratio Lower Upper

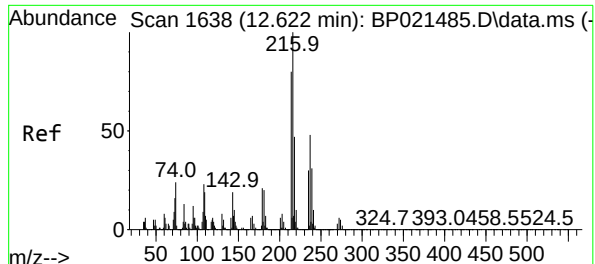
216 100

214 78.1 62.5 93.7

179 20.4 16.4 24.6

108 21.1 16.7 25.1





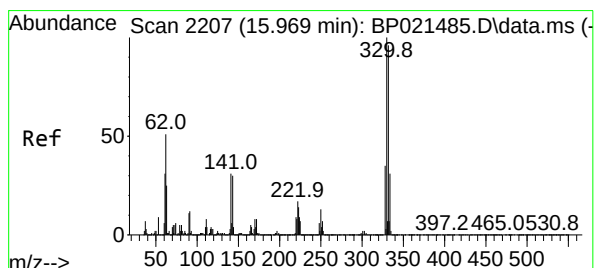
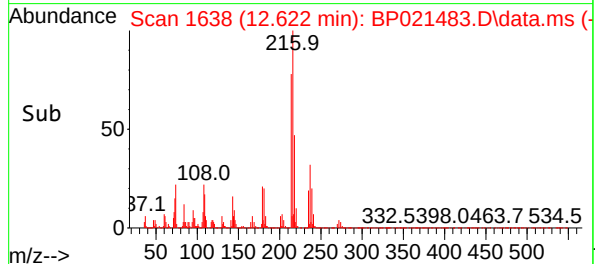
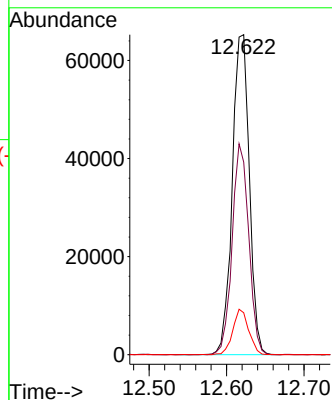
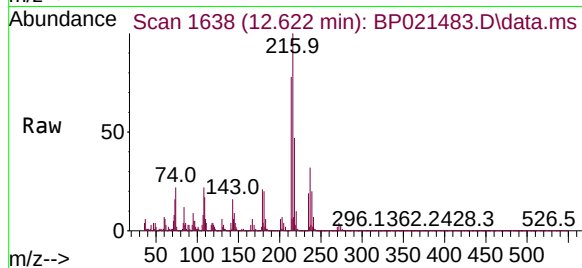
#41  
Hexachlorocyclopentadiene  
Concen: 8.236 ng  
RT: 12.622 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion: 237 Resp: 99734  
Ion Ratio Lower Upper  
237 100  
235 60.1 43.9 83.9  
272 13.1 0.0 33.3

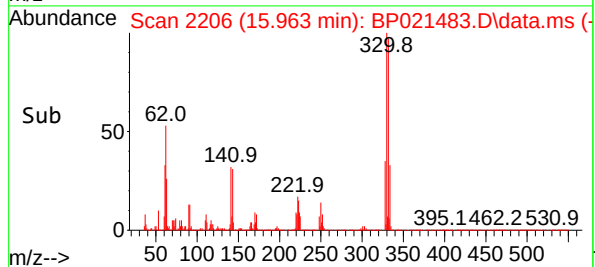
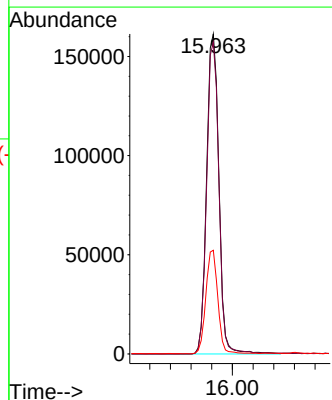
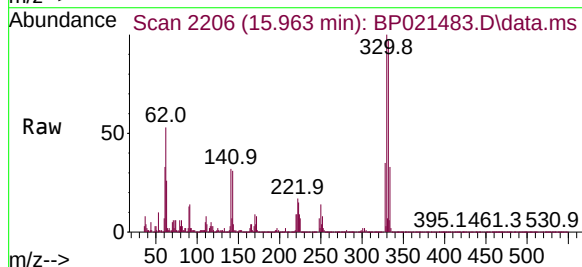
Manual Integrations  
APPROVED

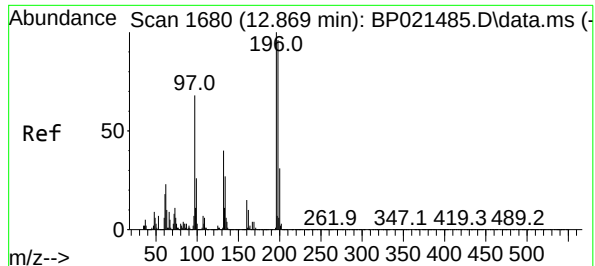
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#42  
2,4,6-Tribromophenol  
Concen: 18.334 ng  
RT: 15.963 min Scan# 2206  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 330 Resp: 266074  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.4 116.0  
141 31.7 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 8.718 ng

RT: 12.863 min Scan# 1679

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:196 Resp: 18503

Ion Ratio Lower Upper

196 100

198 100.1 76.6 114.8

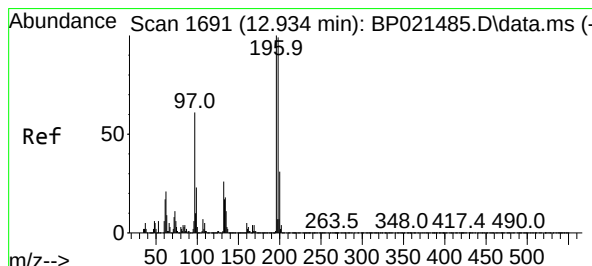
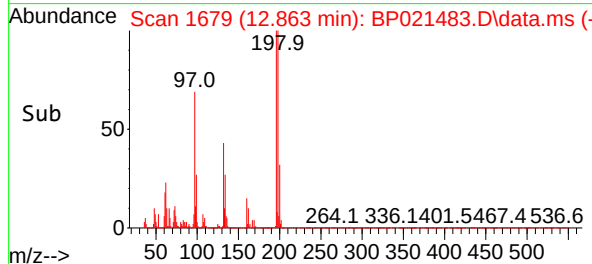
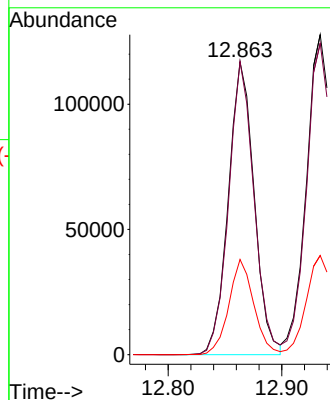
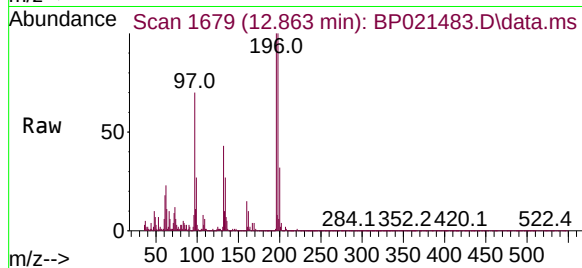
200 32.5 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 8.741 ng

RT: 12.934 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 206114

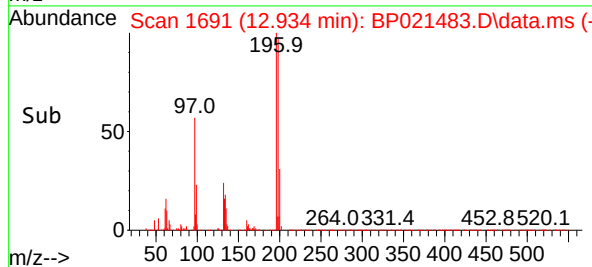
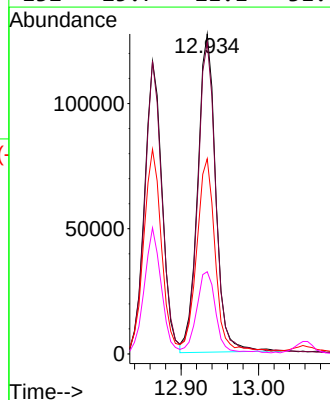
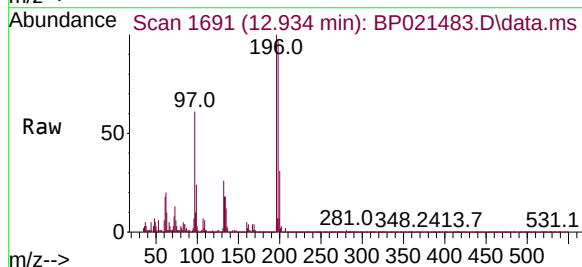
Ion Ratio Lower Upper

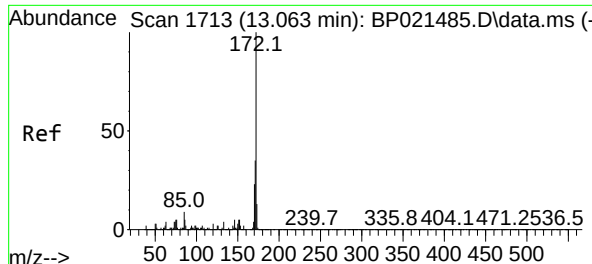
196 100

198 97.3 78.9 118.3

97 61.0 49.4 74.0

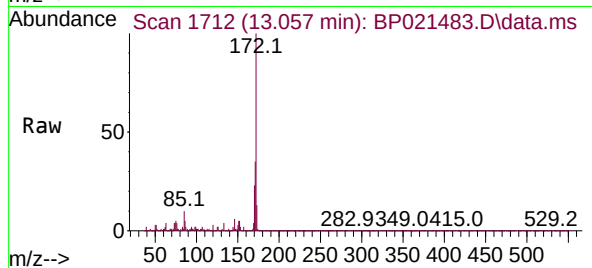
132 25.7 21.1 31.7





#45  
2-Fluorobiphenyl  
Concen: 20.051 ng  
RT: 13.057 min Scan# 1712  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

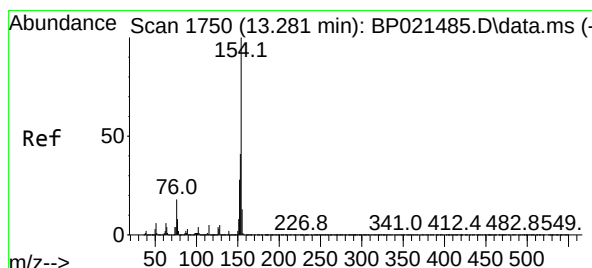
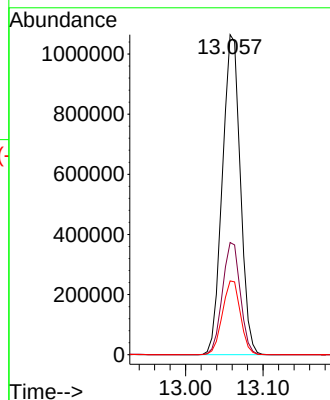
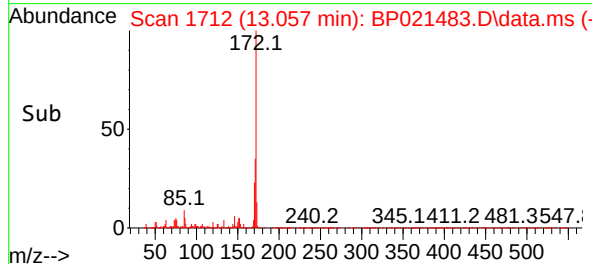
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



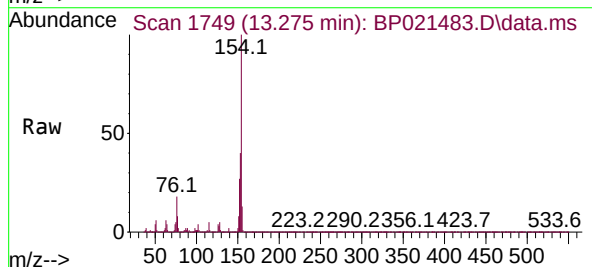
Tgt Ion:172 Resp: 1713235  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.2 42.4  
170 23.1 18.4 27.6

Manual Integrations  
APPROVED

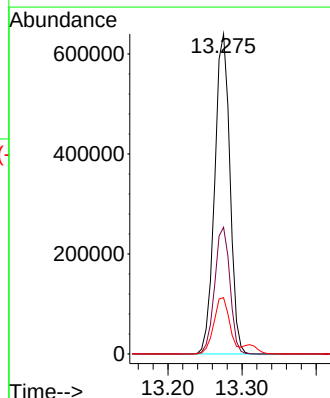
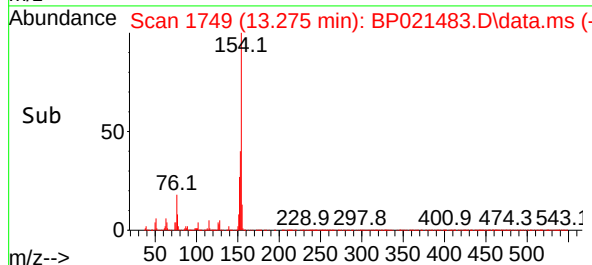
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

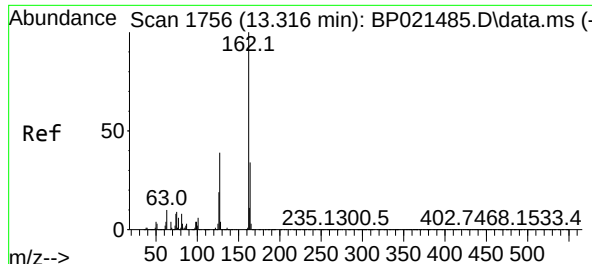


#46  
1,1'-Biphenyl  
Concen: 9.894 ng  
RT: 13.275 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59



Tgt Ion:154 Resp: 912835  
Ion Ratio Lower Upper  
154 100  
153 39.6 20.7 60.7  
76 17.6 0.0 37.7





#47

2-Chloronaphthalene

Concen: 9.759 ng

RT: 13.310 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

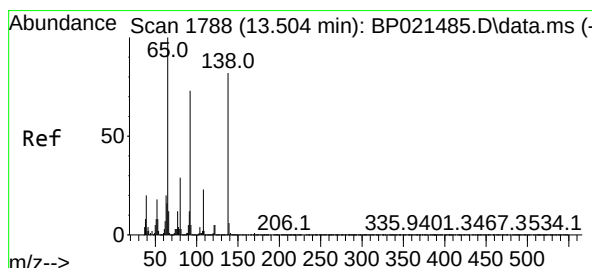
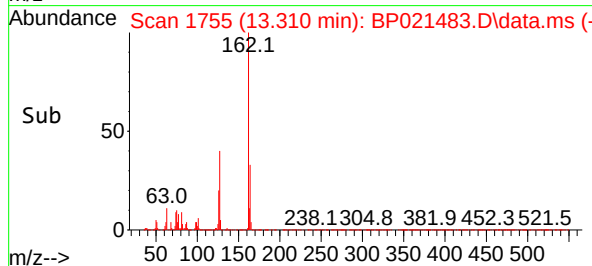
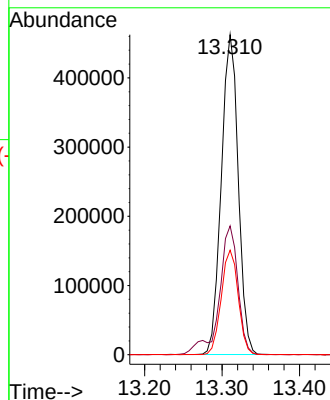
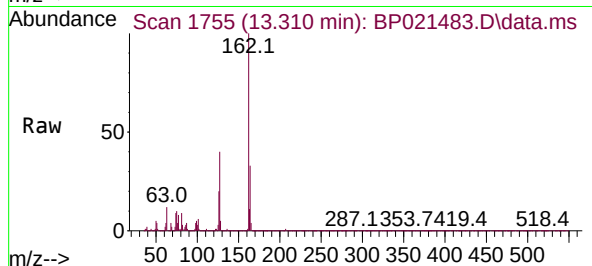
SSTDICC010

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 70095 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 40.2  | 31.9  | 47.9  |
| 164       | 32.6  | 26.8  | 40.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 10.374 ng

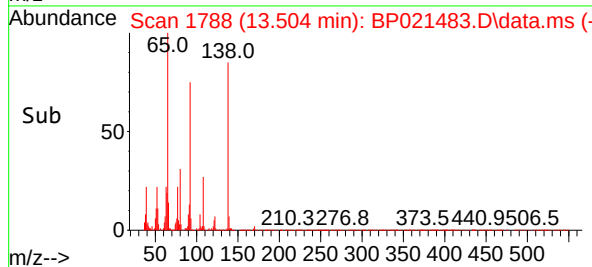
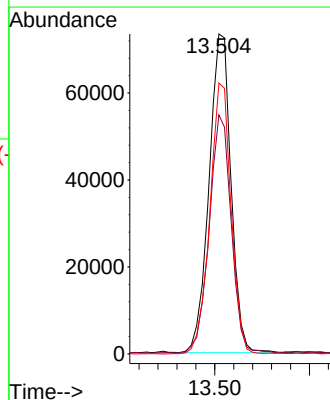
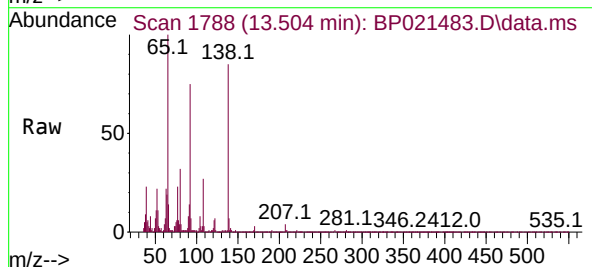
RT: 13.504 min Scan# 1788

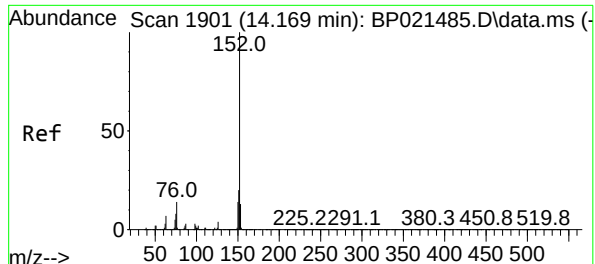
Delta R.T. 0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 117865 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 74.7  | 58.1  | 87.1   |
| 138       | 84.7  | 65.5  | 98.3   |





#49

Acenaphthylene

Concen: 9.941 ng

RT: 14.169 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 104961

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

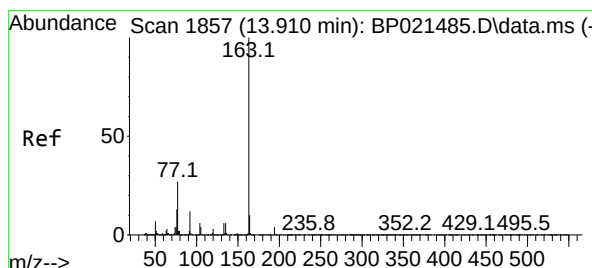
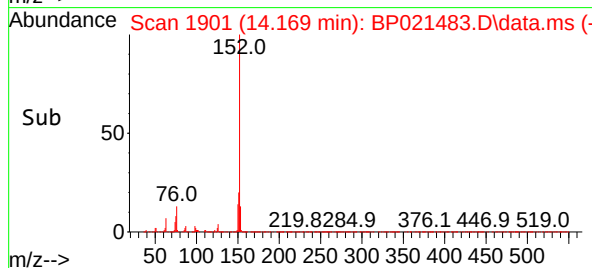
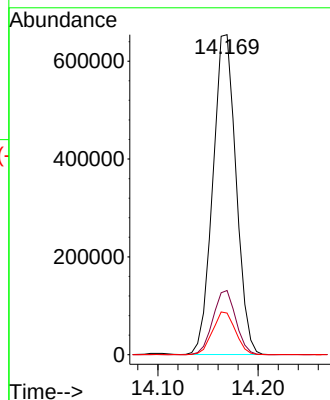
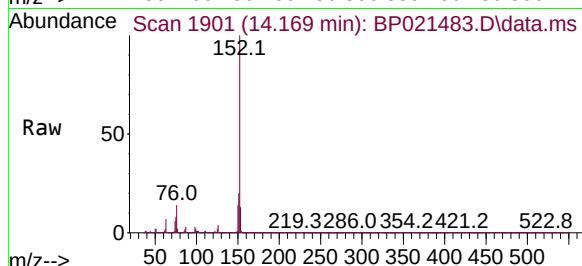
153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 10.190 ng

RT: 13.893 min Scan# 1854

Delta R.T. -0.017 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

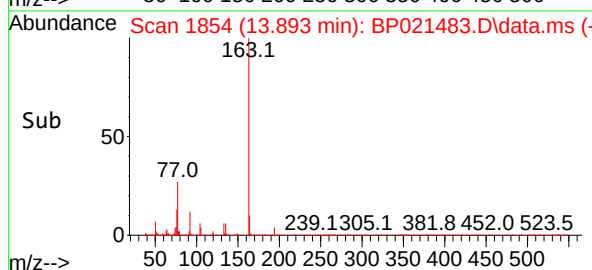
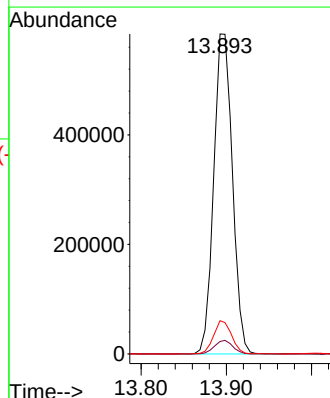
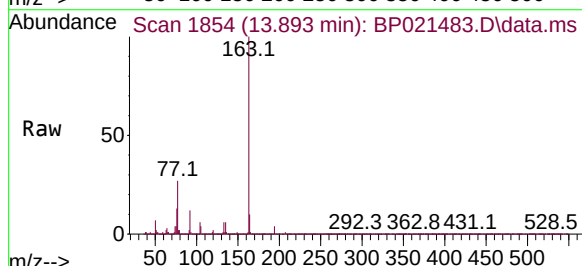
Tgt Ion:163 Resp: 889818

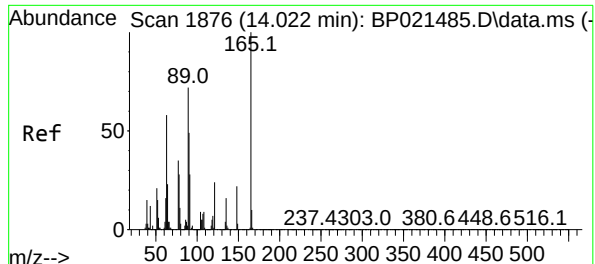
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.4 8.3 12.5





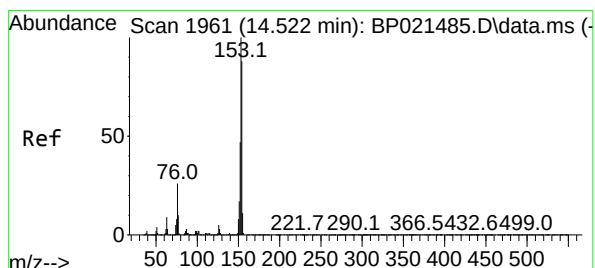
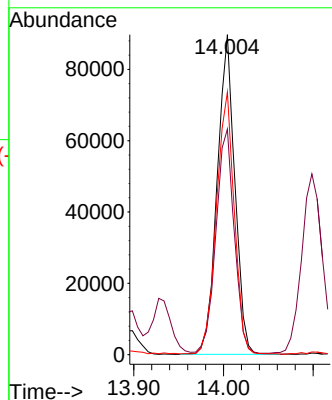
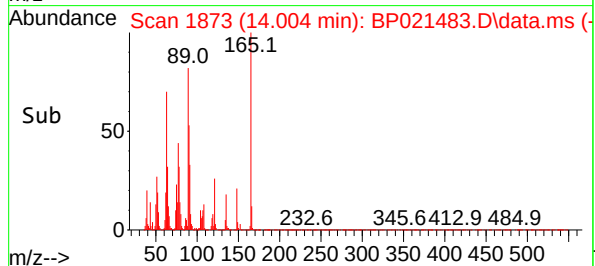
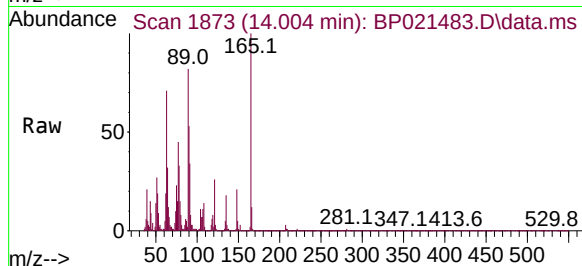
#51  
2,6-Dinitrotoluene  
Concen: 10.348 ng  
RT: 14.004 min Scan# 1876  
Delta R.T. -0.018 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion:165 Resp: 122230  
Ion Ratio Lower Upper  
165 100  
63 70.5 51.5 77.3  
89 82.1 57.8 86.8

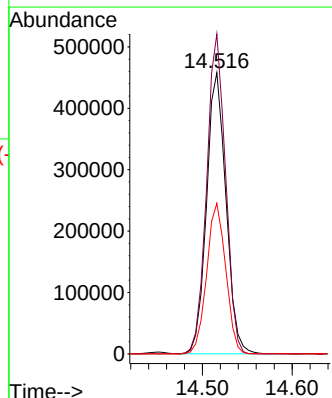
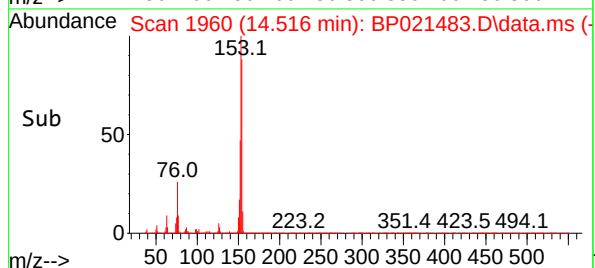
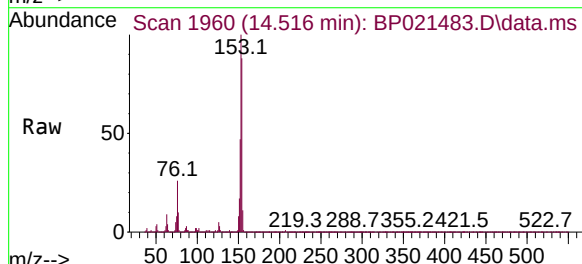
Manual Integrations  
APPROVED

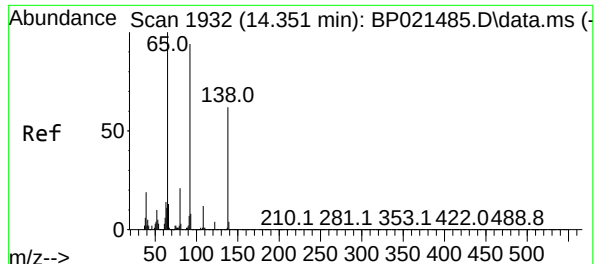
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#52  
Acenaphthene  
Concen: 9.961 ng  
RT: 14.516 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

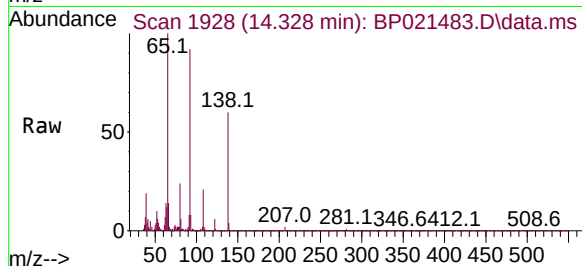
Tgt Ion:154 Resp: 690129  
Ion Ratio Lower Upper  
154 100  
153 113.8 91.1 136.7  
152 53.5 43.0 64.4





#53  
3-Nitroaniline  
Concen: 10.365 ng  
RT: 14.328 min Scan# 1932  
Delta R.T. -0.023 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

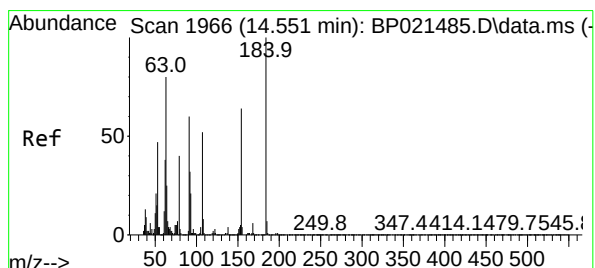
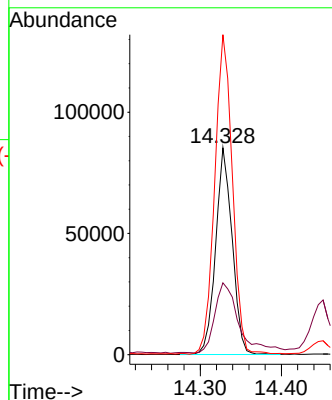
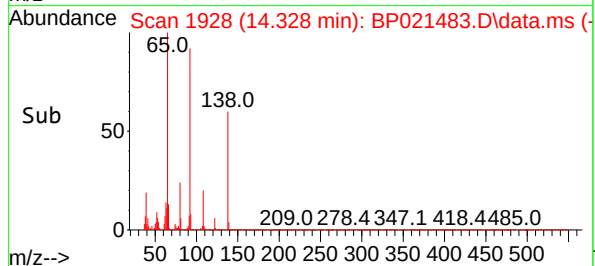
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



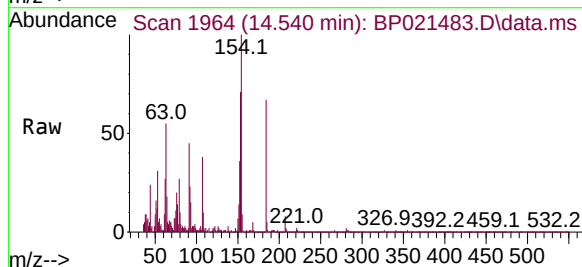
Tgt Ion:138 Resp: 120754  
Ion Ratio Lower Upper  
138 100  
108 34.8 16.2 24.4  
92 154.7 122.2 183.4

Manual Integrations  
APPROVED

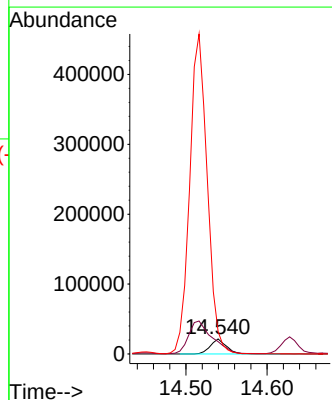
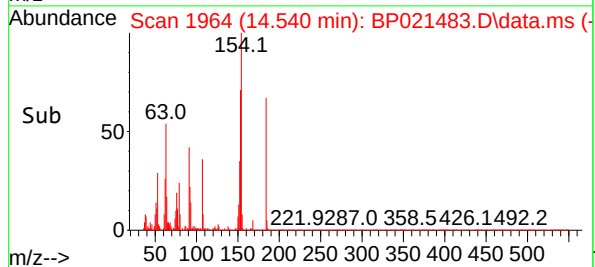
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



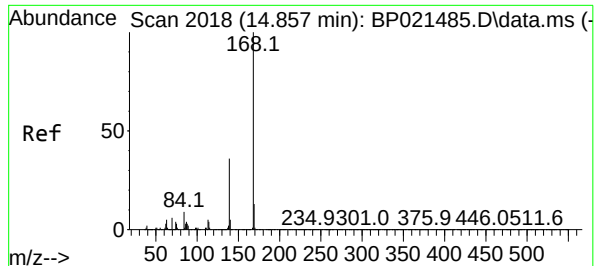
#54  
2,4-Dinitrophenol  
Concen: 10.721 ng  
RT: 14.540 min Scan# 1964  
Delta R.T. -0.011 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59



Tgt Ion:184 Resp: 29452  
Ion Ratio Lower Upper  
184 100  
63 81.7 64.9 97.3  
154 149.0 52.1 78.1







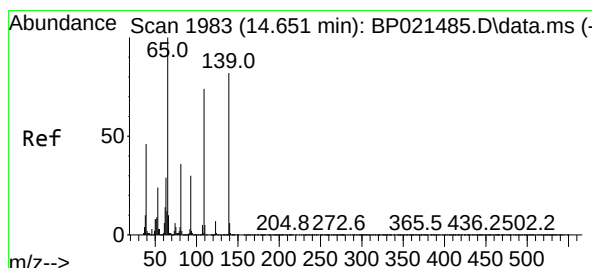
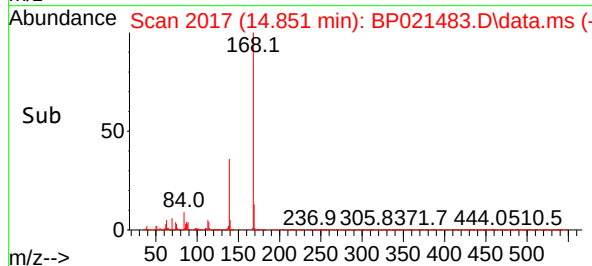
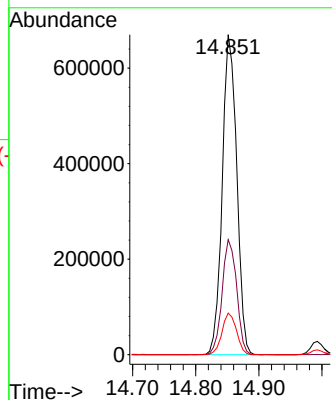
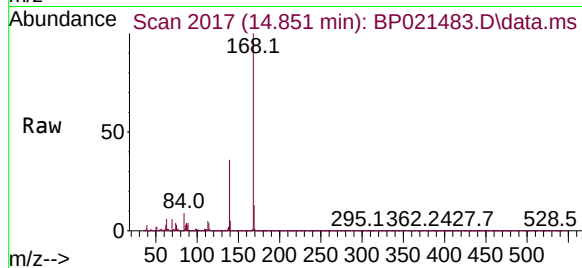
#55  
Dibenzenofuran  
Concen: 10.016 ng  
RT: 14.851 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion:168 Resp: 106743  
Ion Ratio Lower Upper  
168 100  
139 36.0 28.6 43.0  
169 13.0 10.6 16.0

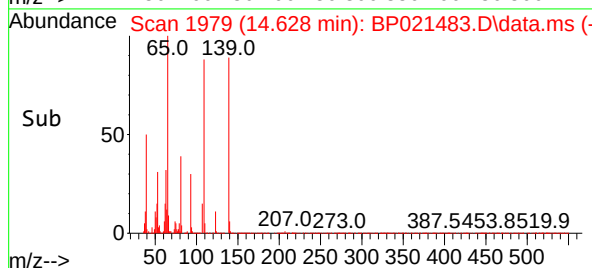
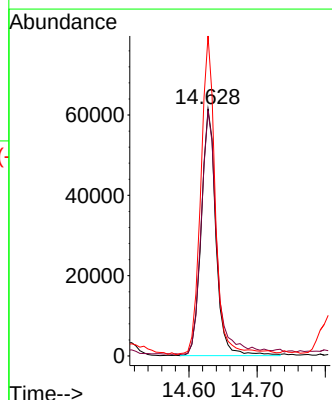
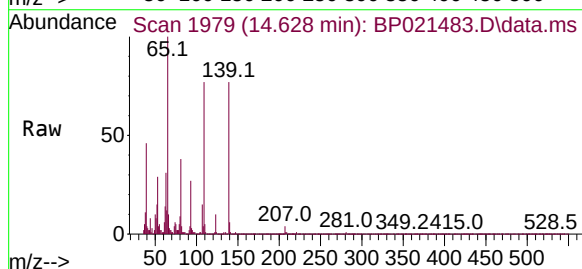
Manual Integrations  
APPROVED

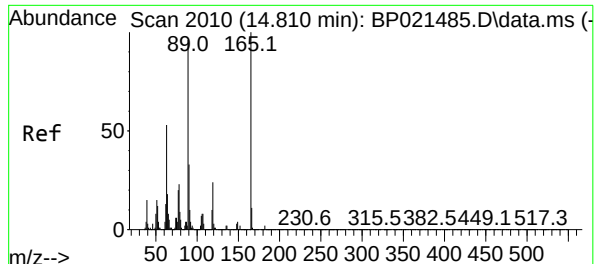
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#56  
4-Nitrophenol  
Concen: 11.027 ng  
RT: 14.628 min Scan# 1979  
Delta R.T. -0.023 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

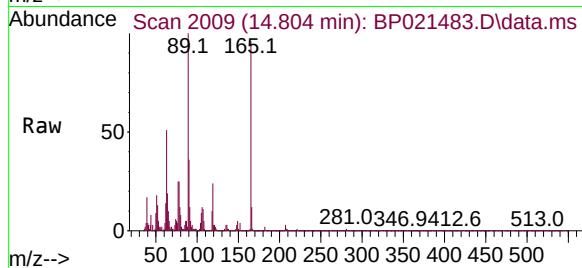
Tgt Ion:139 Resp: 91997  
Ion Ratio Lower Upper  
139 100  
109 99.2 70.2 110.2  
65 129.6 101.8 141.8





#57  
2,4-Dinitrotoluene  
Concen: 10.586 ng  
RT: 14.804 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

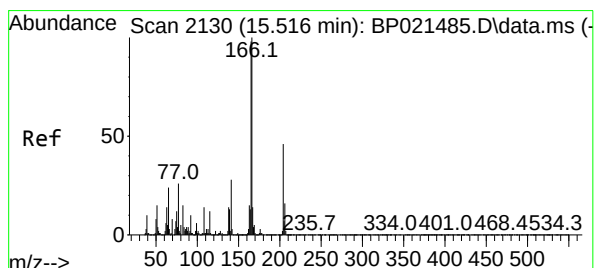
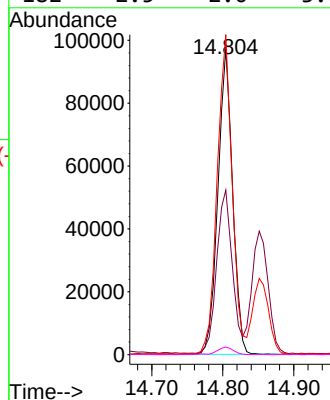
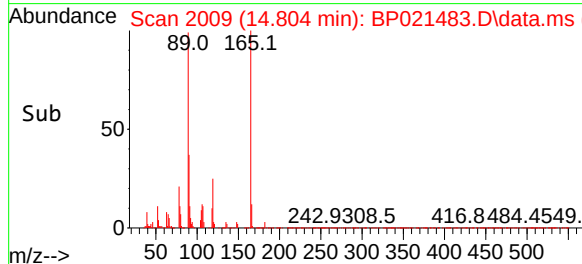
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC010



Tgt Ion:165 Resp: 139240  
Ion Ratio Lower Upper  
165 100  
63 53.8 42.5 63.7  
89 104.6 77.1 115.7  
182 2.5 2.0 3.0

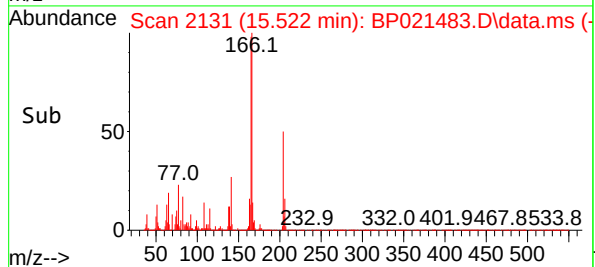
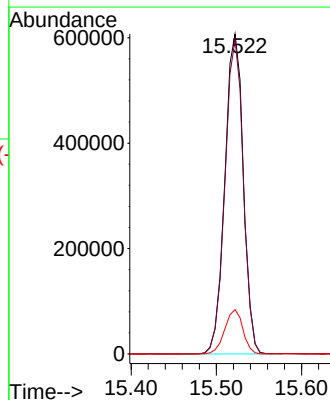
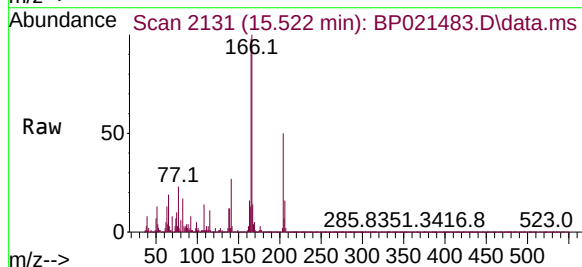
Manual Integrations  
APPROVED

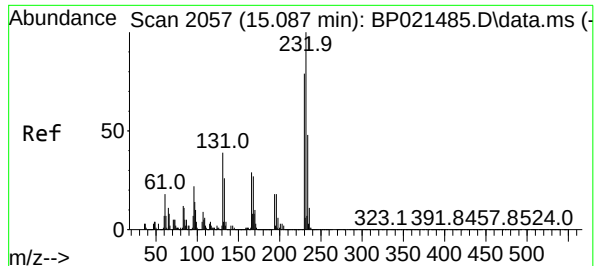
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#58  
Fluorene  
Concen: 10.425 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:166 Resp: 912792  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.1 117.1  
167 13.9 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.055 ng

RT: 15.075 min Scan# 2055

Delta R.T. -0.012 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:232 Resp: 18123

Ion Ratio Lower Upper

232 100

131 40.9 33.1 49.7

130 2.3 1.7 2.5

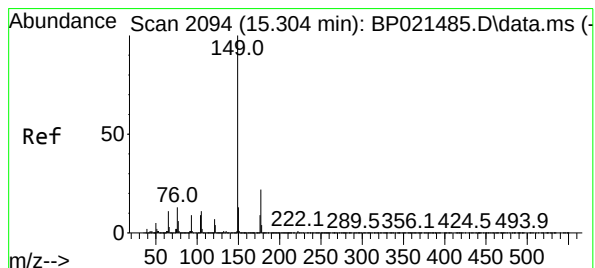
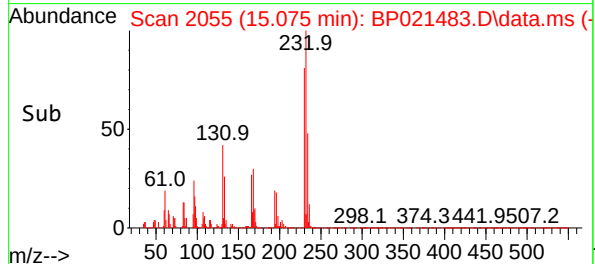
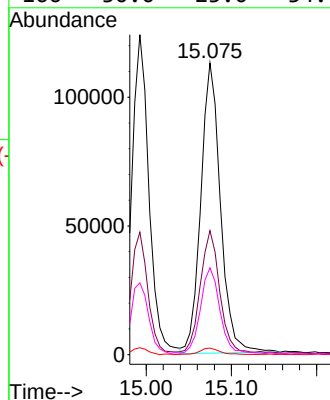
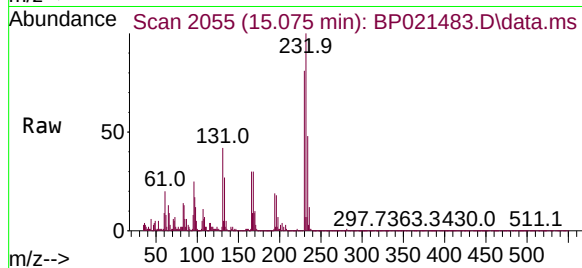
166 30.0 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#60

Diethylphthalate

Concen: 10.148 ng

RT: 15.292 min Scan# 2092

Delta R.T. -0.012 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

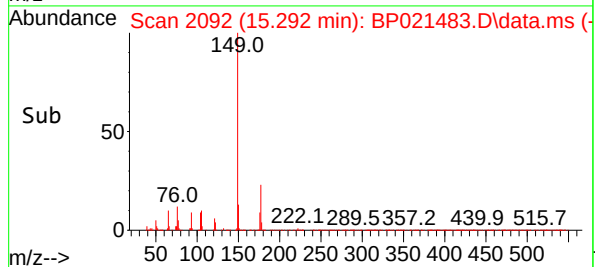
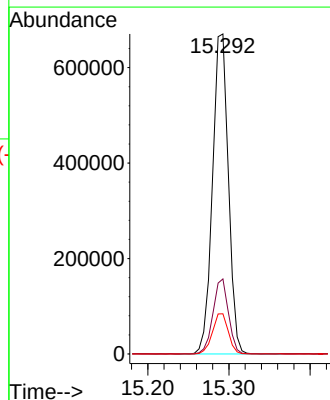
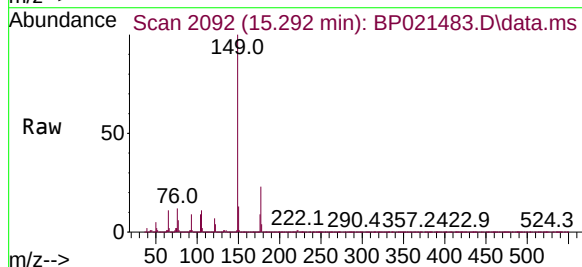
Tgt Ion:149 Resp: 909304

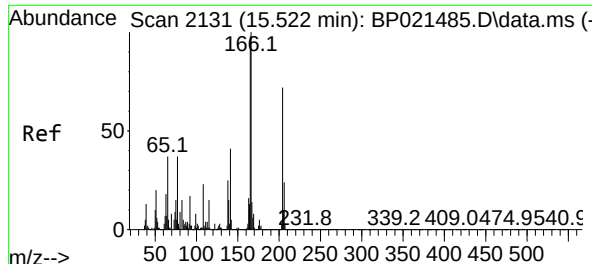
Ion Ratio Lower Upper

149 100

177 23.4 17.8 26.8

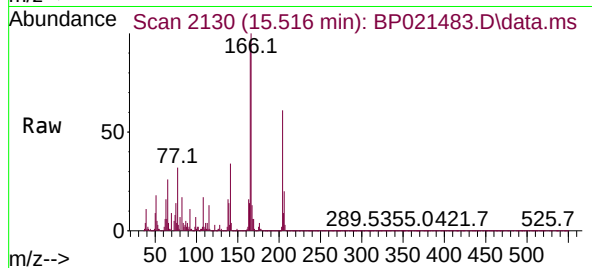
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 10.426 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

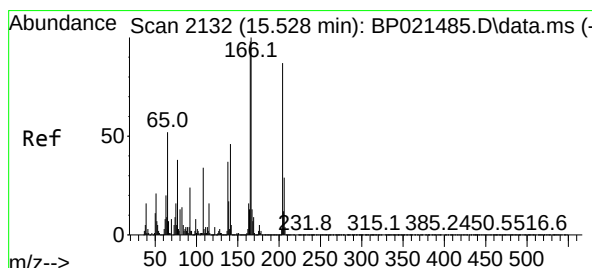
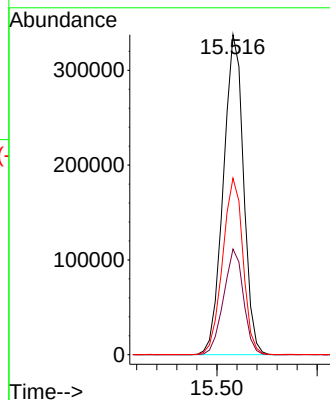
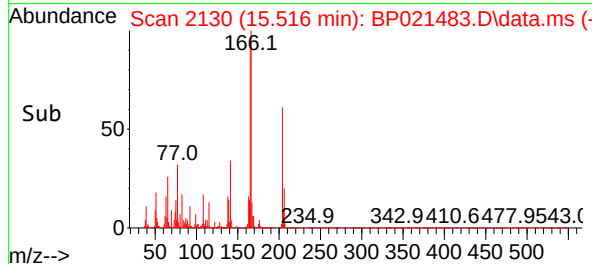
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion: 204 Resp: 47186  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.4 39.6  
141 55.2 46.1 69.1

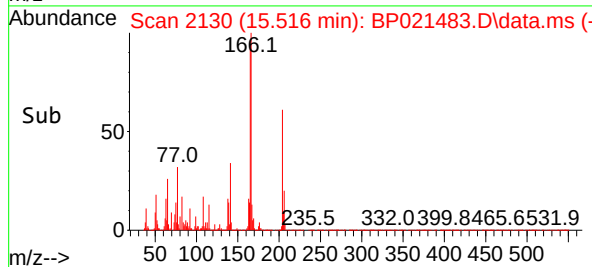
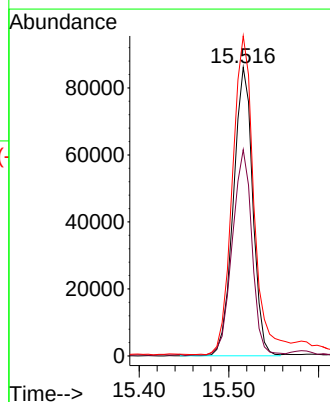
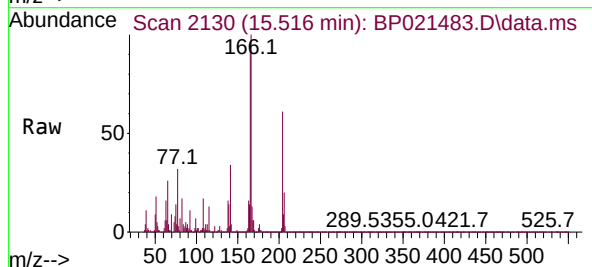
Manual Integrations  
APPROVED

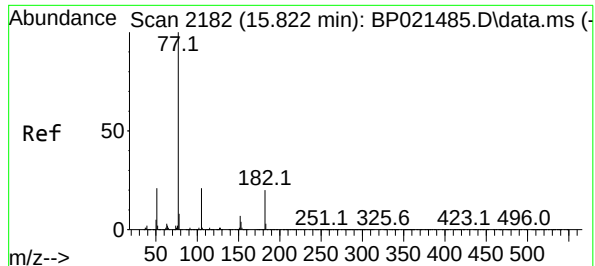
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#62  
4-Nitroaniline  
Concen: 9.743 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. -0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

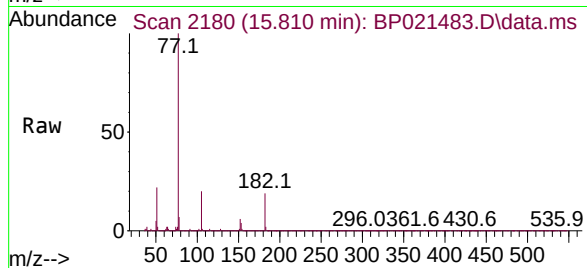
Tgt Ion: 138 Resp: 129100  
Ion Ratio Lower Upper  
138 100  
92 71.5 46.4 86.4  
108 110.9 73.2 113.2





#63  
Azobenzene  
Concen: 10.529 ng  
RT: 15.810 min Scan# 2182  
Delta R.T. -0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

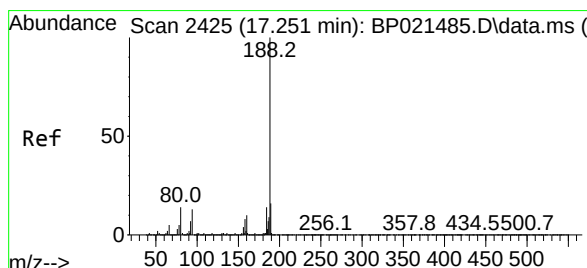
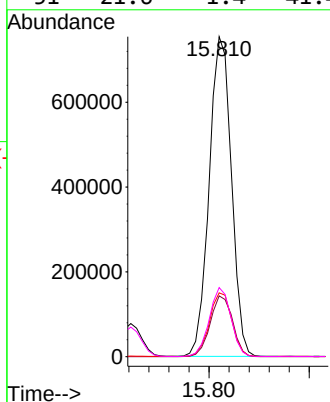
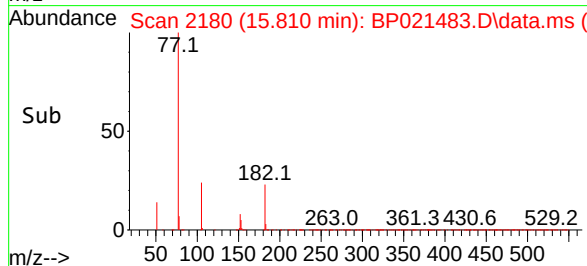
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion: 77 Resp: 115964  
Ion Ratio Lower Upper  
77 100  
182 19.0 0.0 39.9  
105 20.0 0.9 40.9  
51 21.6 1.4 41.4

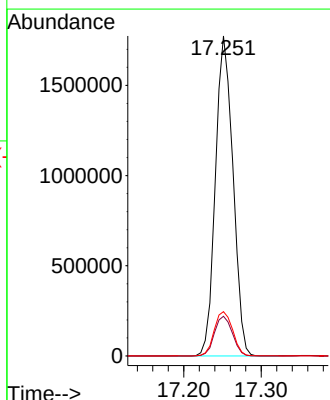
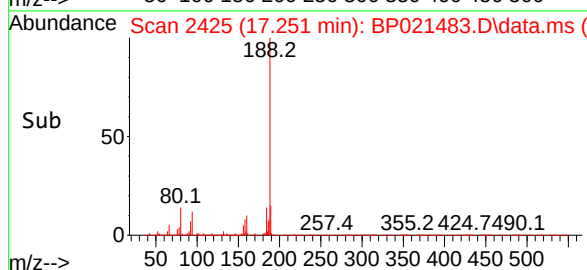
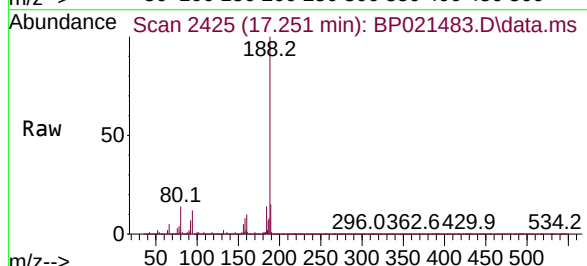
Manual Integrations  
APPROVED

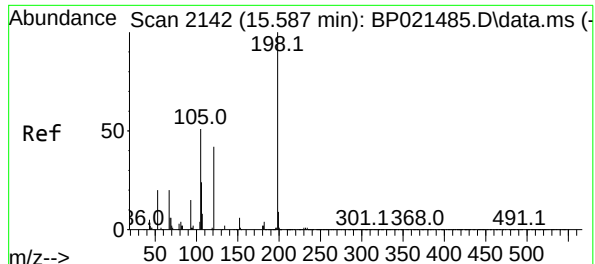
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.251 min Scan# 2425  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:188 Resp: 2799153  
Ion Ratio Lower Upper  
188 100  
94 12.4 10.2 15.4  
80 13.9 11.6 17.4





#65

4,6-Dinitro-2-methylphenol

Concen: 11.022 ng

RT: 15.581 min Scan# 2142

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:198 Resp: 44079

Ion Ratio Lower Upper

198 100

51 47.9 21.5 61.5

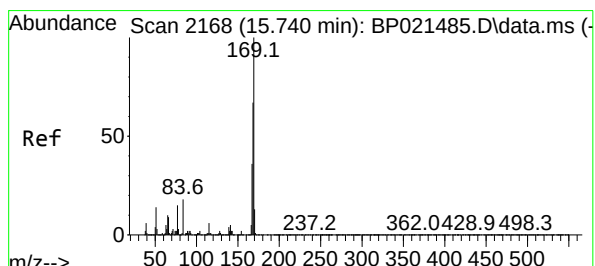
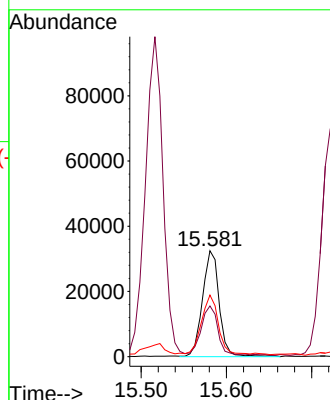
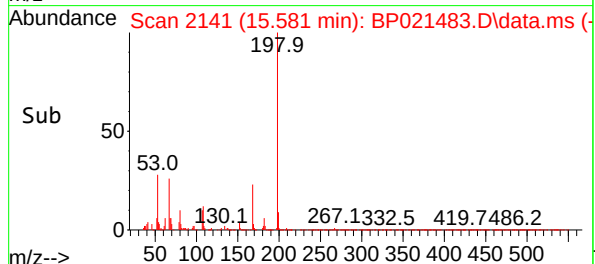
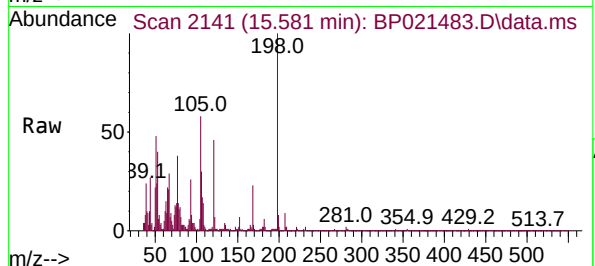
105 58.2 32.9 72.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#66

n-Nitrosodiphenylamine

Concen: 10.103 ng

RT: 15.722 min Scan# 2165

Delta R.T. -0.018 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

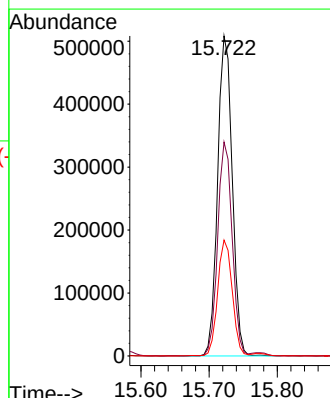
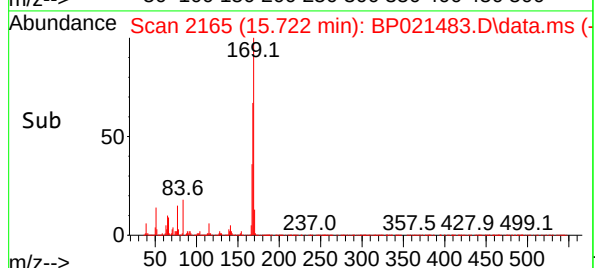
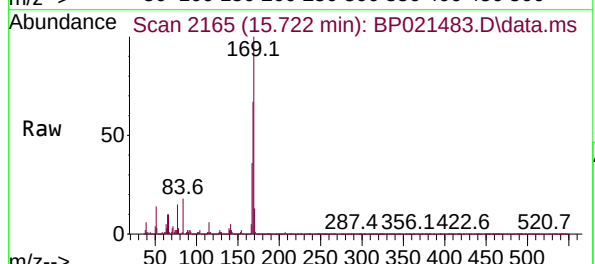
Tgt Ion:169 Resp: 757847

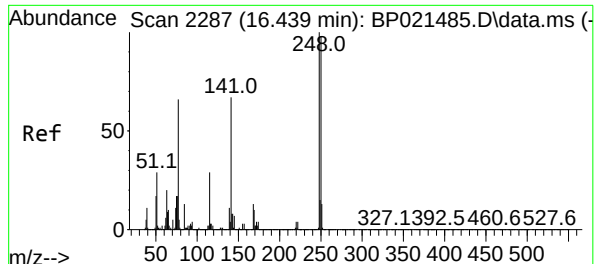
Ion Ratio Lower Upper

169 100

168 66.8 53.4 80.2

167 36.2 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 9.906 ng

RT: 16.422 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:248 Resp: 293464

Ion Ratio Lower Upper

248 100

250 96.8 78.6 117.8

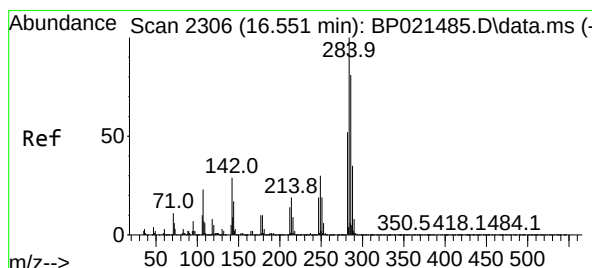
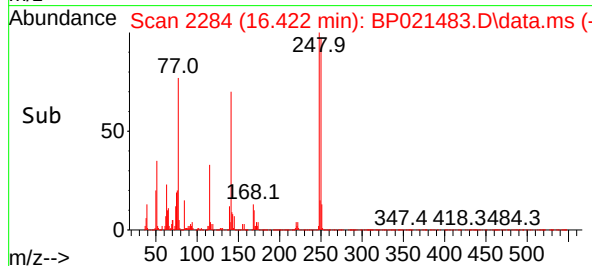
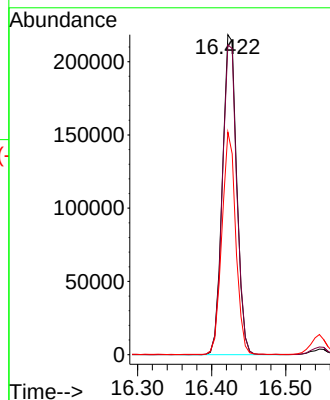
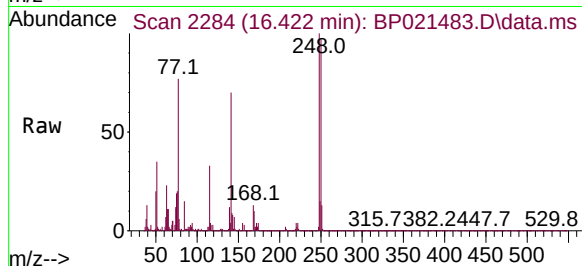
141 69.6 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 9.938 ng

RT: 16.545 min Scan# 2305

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

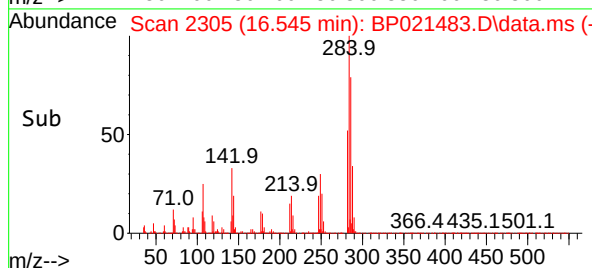
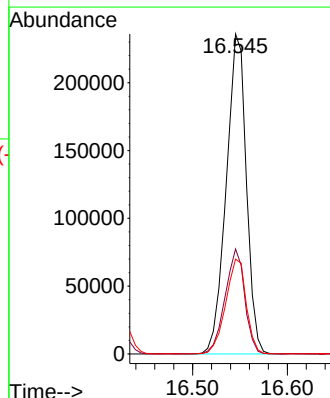
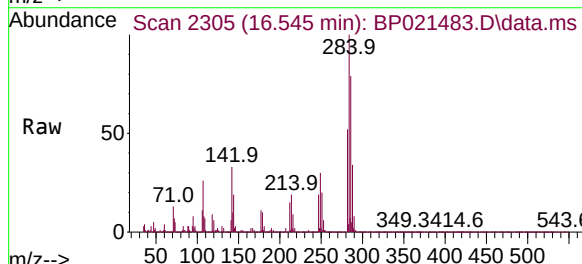
Tgt Ion:284 Resp: 347933

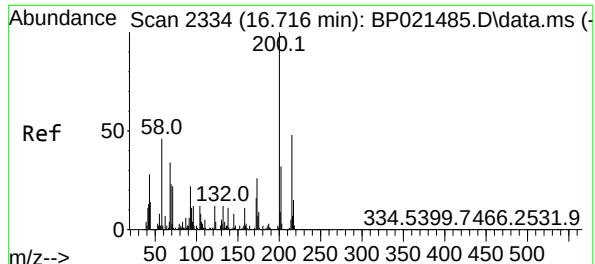
Ion Ratio Lower Upper

284 100

142 32.8 23.4 35.2

249 29.7 24.1 36.1





#69

Atrazine

Concen: 10.106 ng

RT: 16.698 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

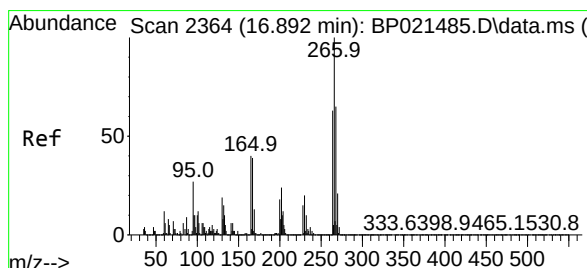
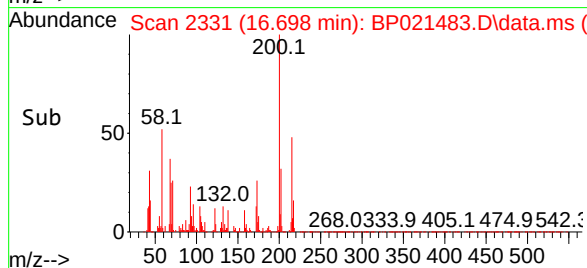
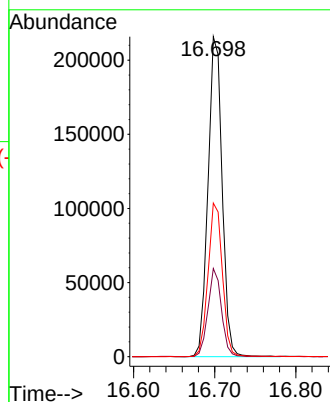
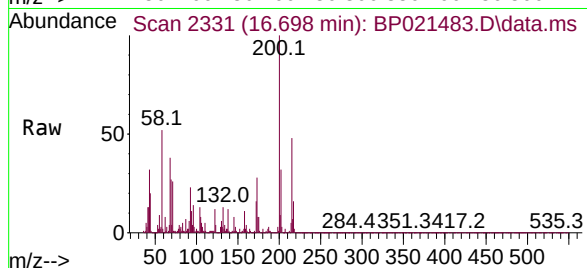
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 26027 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 27.5  | 6.2   | 46.2  |
| 215       | 48.0  | 28.4  | 68.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 7.877 ng

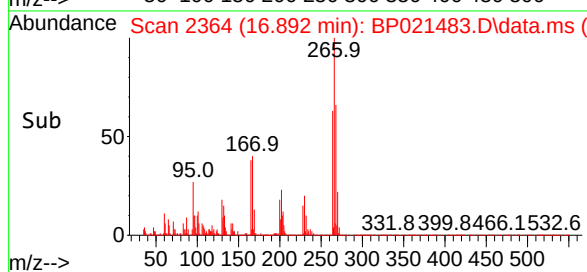
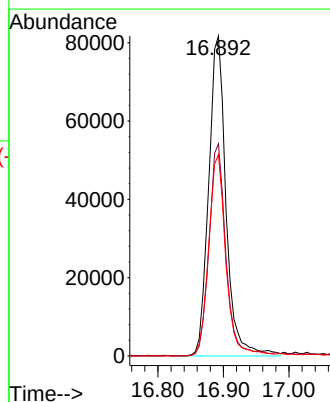
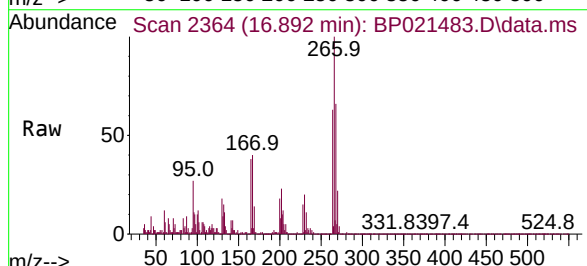
RT: 16.892 min Scan# 2364

Delta R.T. 0.000 min

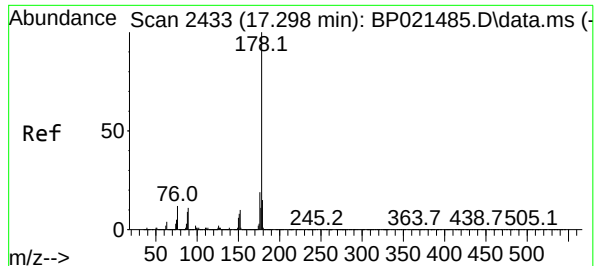
Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 150520 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 66.3  | 51.8  | 77.6   |
| 264       | 63.0  | 50.5  | 75.7   |

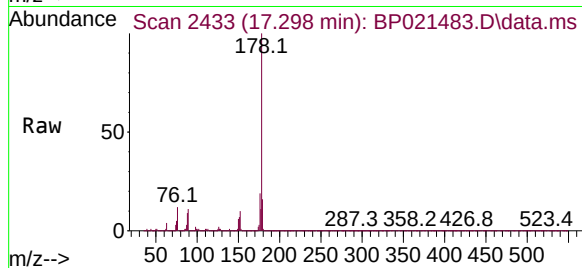






#71  
Phenanthrene  
Concen: 10.017 ng  
RT: 17.298 min Scan# 2433  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

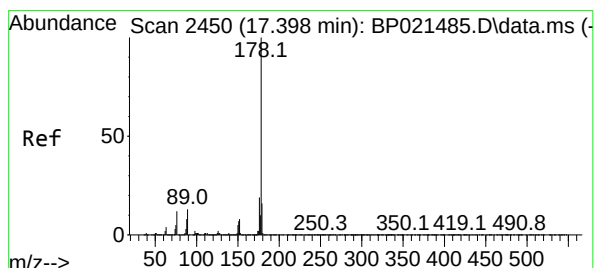
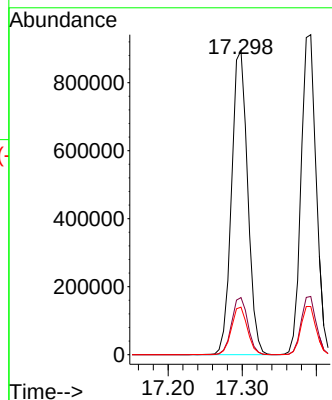
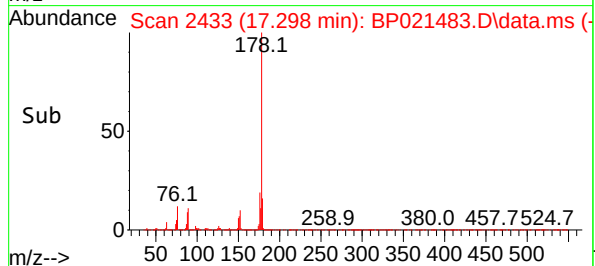
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:178 Resp: 1348415  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.4 23.2  
179 15.6 12.4 18.6

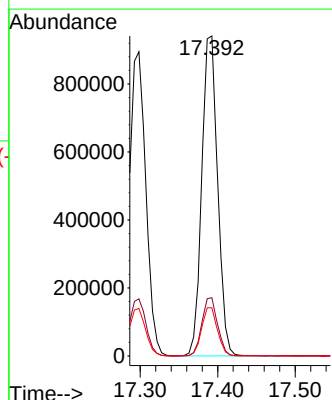
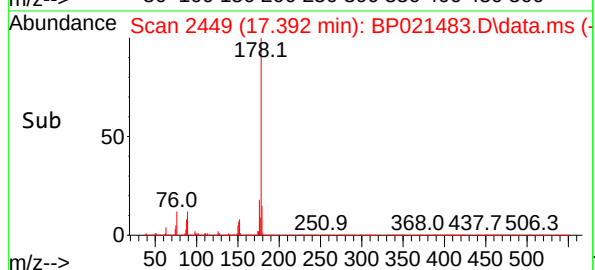
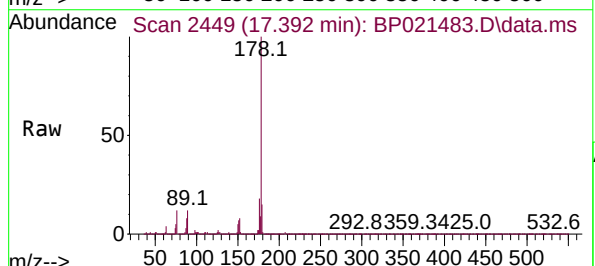
Manual Integrations  
APPROVED

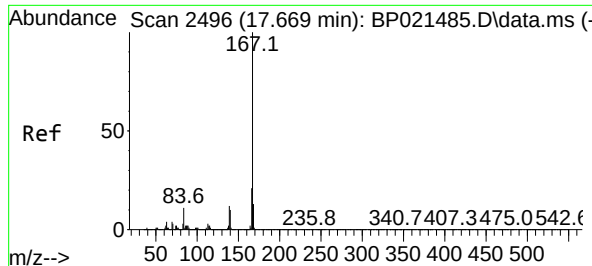
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 10.123 ng  
RT: 17.392 min Scan# 2449  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

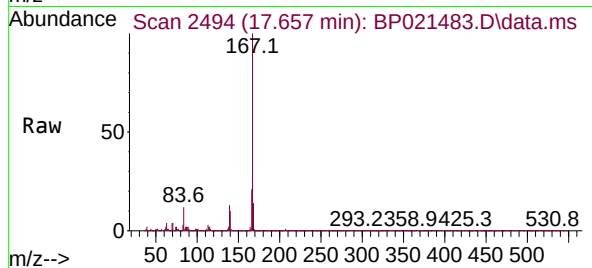
Tgt Ion:178 Resp: 1336422  
Ion Ratio Lower Upper  
178 100  
176 18.2 14.9 22.3  
179 15.0 12.5 18.7





#73  
Carbazole  
Concen: 9.966 ng  
RT: 17.657 min Scan# 2494  
Delta R.T. -0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

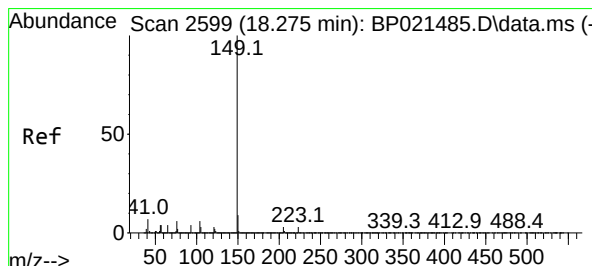
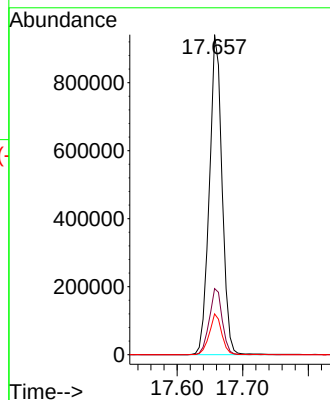
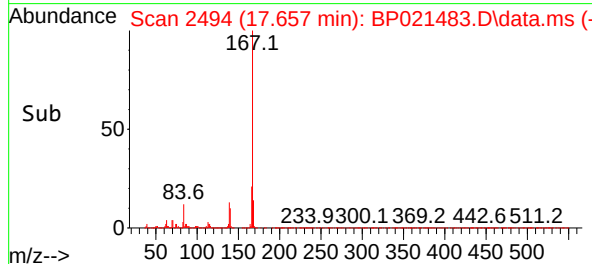
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:167 Resp: 1267960  
Ion Ratio Lower Upper  
167 100  
166 20.6 17.0 25.4  
139 12.7 9.9 14.9

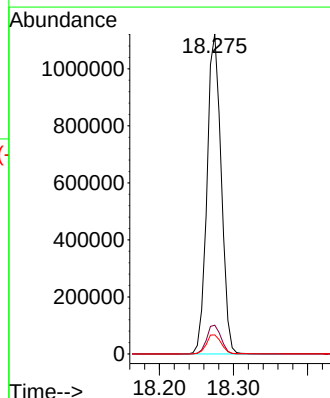
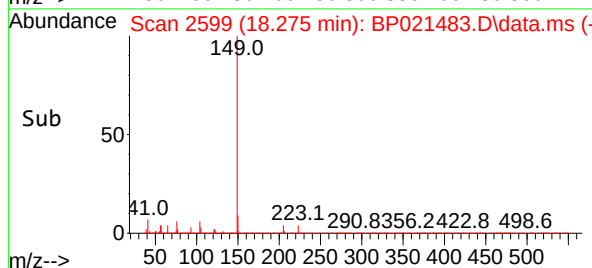
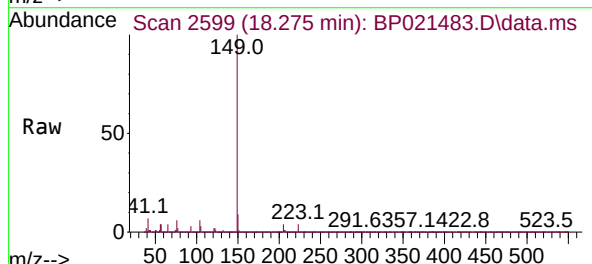
Manual Integrations  
APPROVED

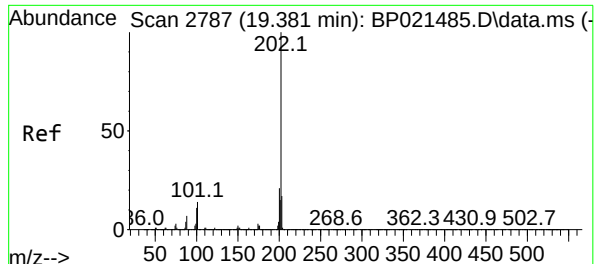
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 9.539 ng  
RT: 18.275 min Scan# 2599  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

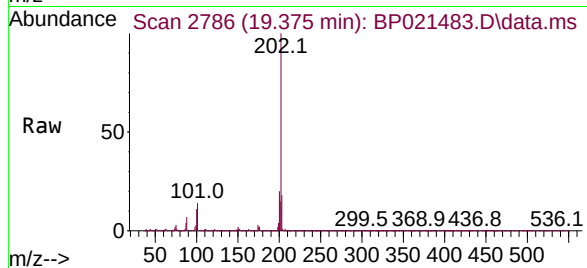
Tgt Ion:149 Resp: 1490471  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.5 11.3  
104 6.0 4.9 7.3





#75  
Fluoranthene  
Concen: 9.769 ng  
RT: 19.375 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

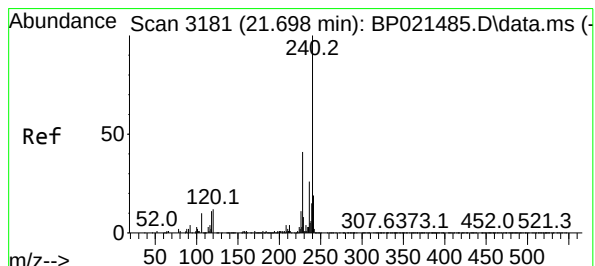
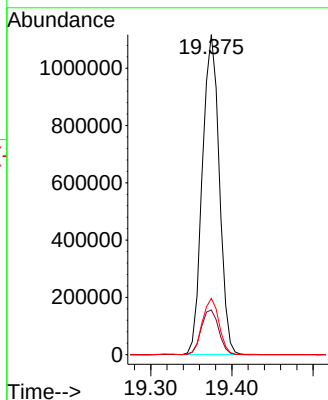
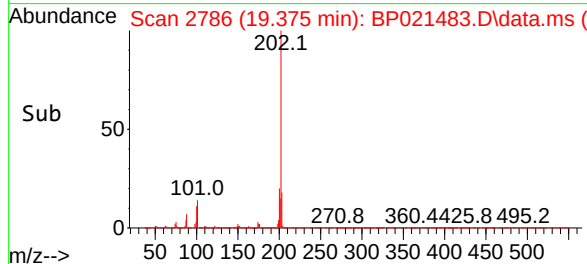
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:202 Resp: 1613504  
Ion Ratio Lower Upper  
202 100  
101 14.0 0.0 34.0  
203 17.6 0.0 37.5

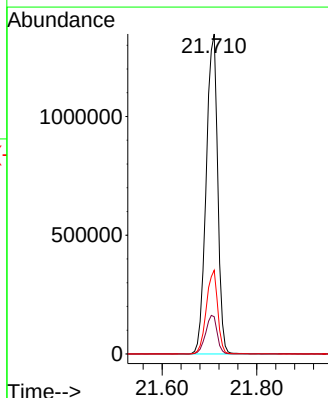
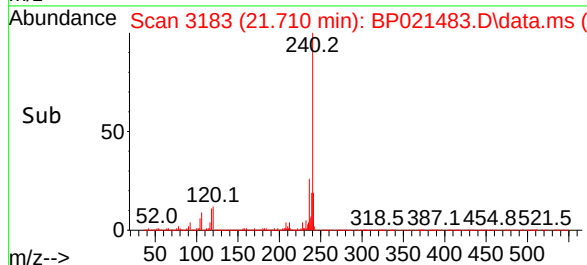
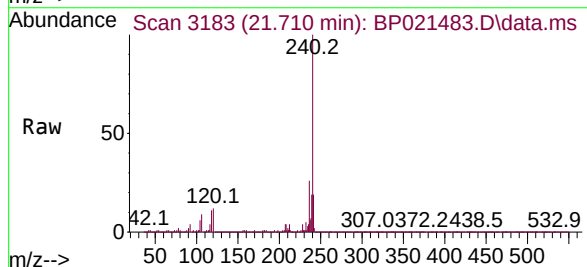
Manual Integrations  
APPROVED

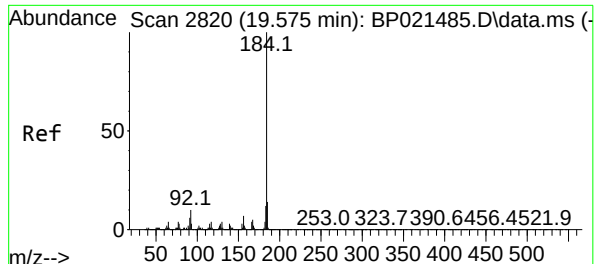
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.710 min Scan# 3183  
Delta R.T. 0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:240 Resp: 2268651  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.9 14.9  
236 26.2 20.6 30.8





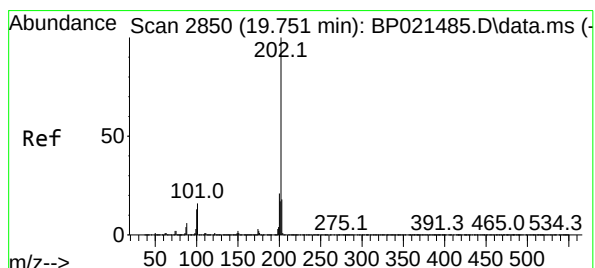
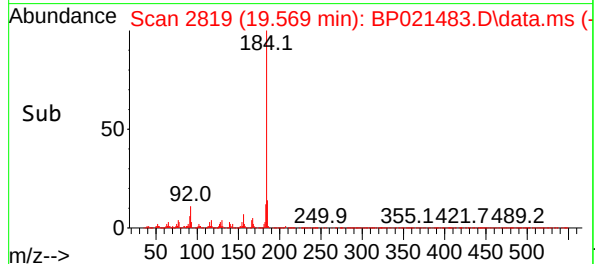
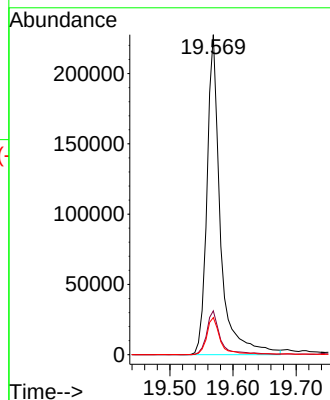
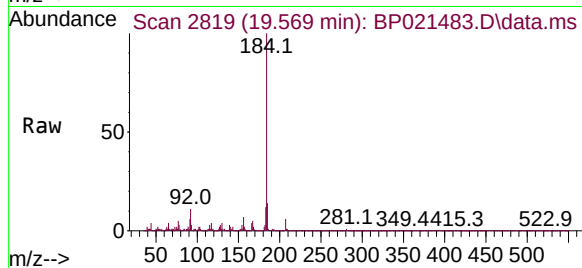
#77  
Benzidine  
Concen: 9.509 ng  
RT: 19.569 min Scan# 2819  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion:184 Resp: 336598  
Ion Ratio Lower Upper  
184 100  
185 13.7 11.4 17.0  
183 11.6 9.3 13.9

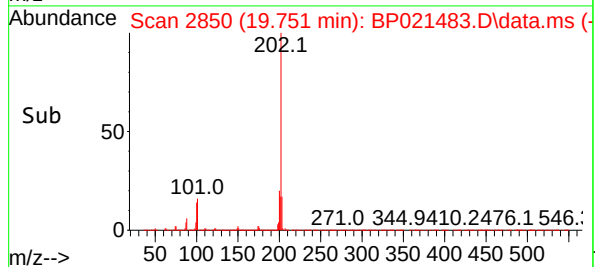
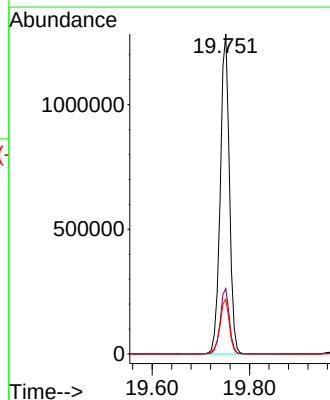
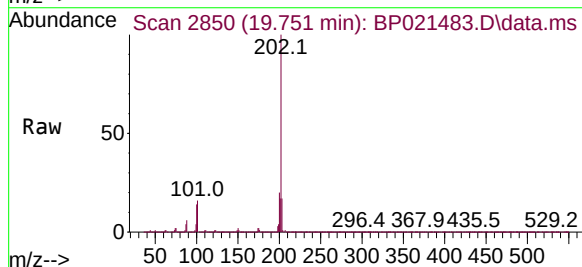
Manual Integrations  
APPROVED

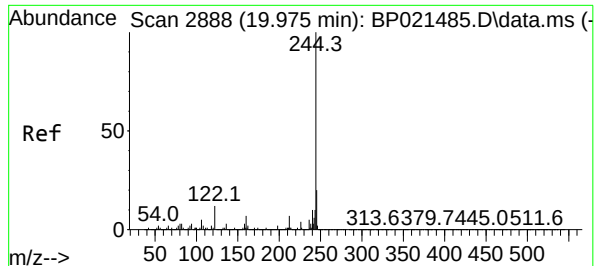
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#78  
Pyrene  
Concen: 11.243 ng  
RT: 19.751 min Scan# 2850  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 1667213  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.7 25.1  
203 17.1 14.1 21.1





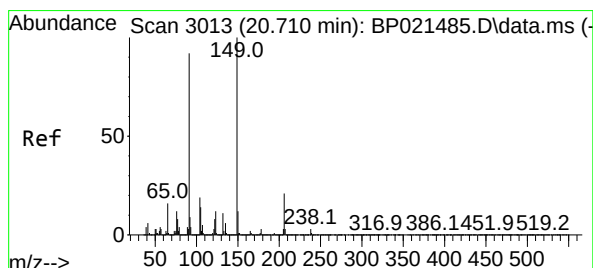
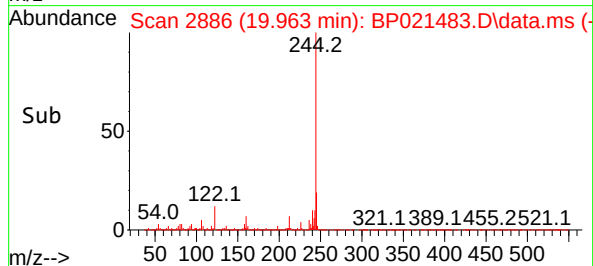
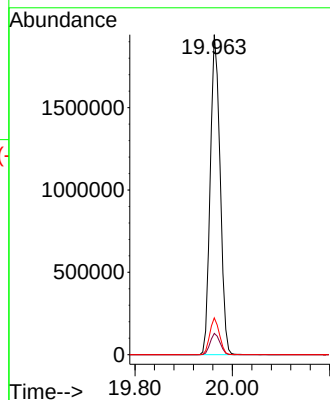
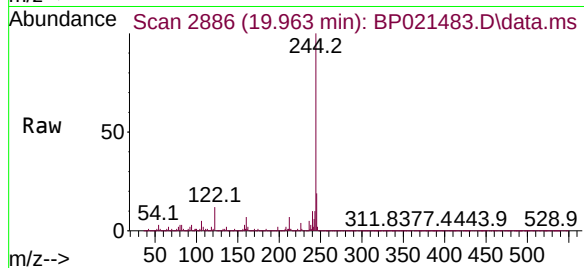
#79  
Terphenyl-d14  
Concen: 23.235 ng  
RT: 19.963 min Scan# 2886  
Delta R.T. -0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion:244 Resp: 2713318  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.6 8.4  
122 11.5 9.4 14.2

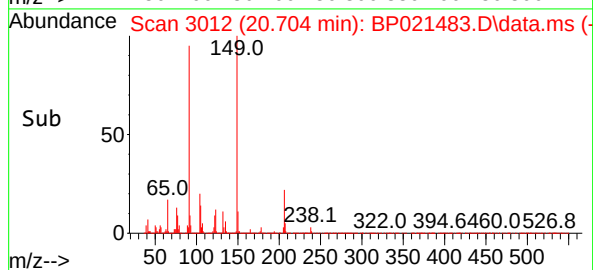
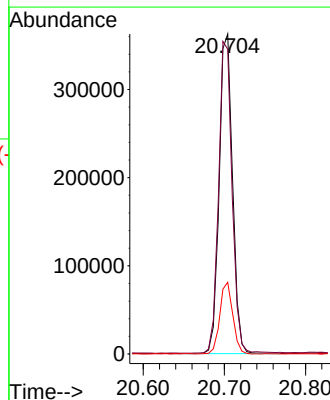
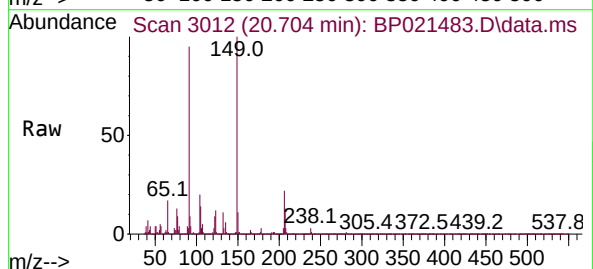
Manual Integrations  
APPROVED

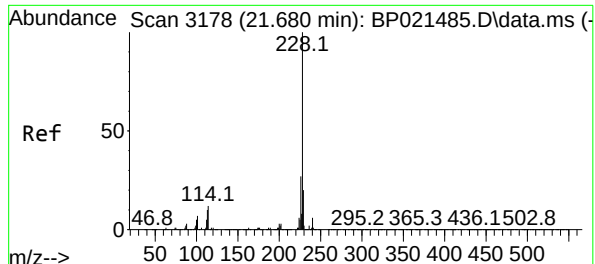
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#80  
Butylbenzylphthalate  
Concen: 10.409 ng  
RT: 20.704 min Scan# 3012  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 414136  
Ion Ratio Lower Upper  
149 100  
91 95.2 73.3 109.9  
206 22.4 17.1 25.7





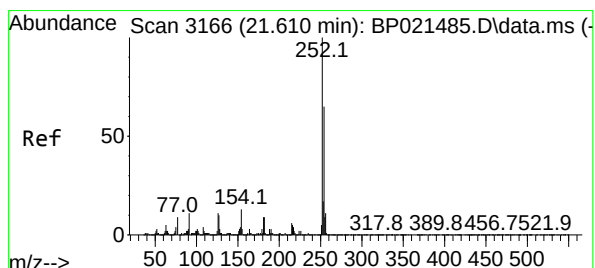
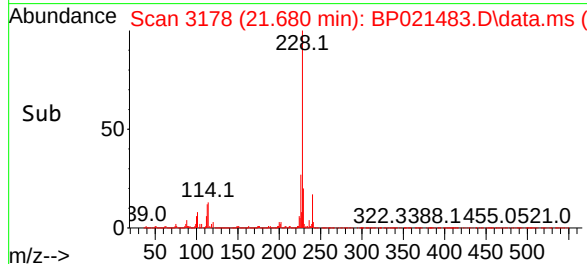
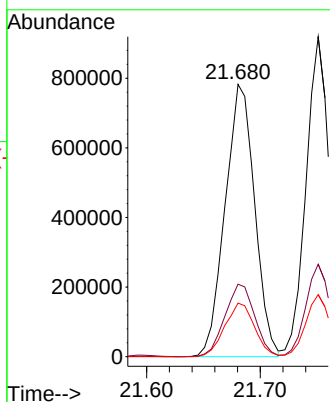
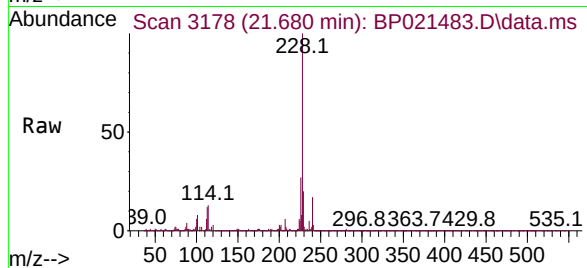
#81  
Benzo(a)anthracene  
Concen: 9.936 ng  
RT: 21.680 min Scan# 3178  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010

Tgt Ion:228 Resp: 141500  
Ion Ratio Lower Upper  
228 100  
226 26.6 21.4 32.2  
229 19.7 15.8 23.6

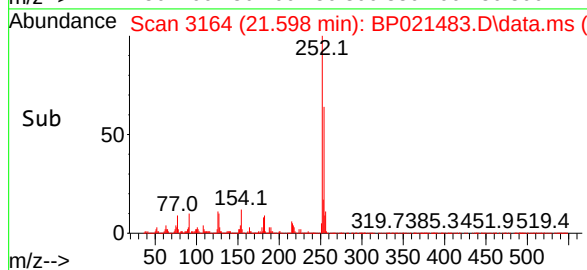
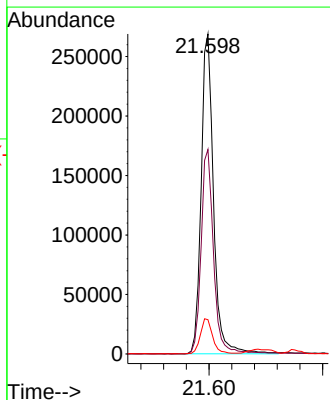
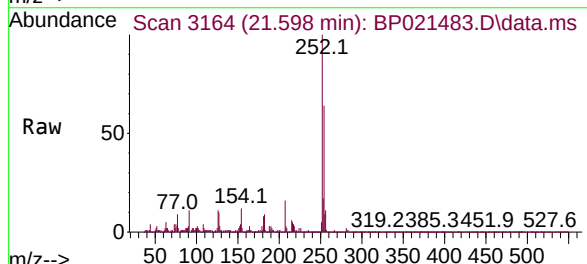
Manual Integrations  
APPROVED

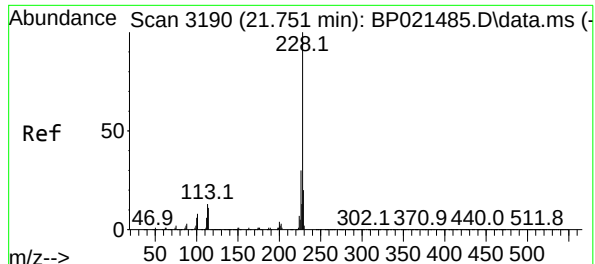
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 8.884 ng  
RT: 21.598 min Scan# 3164  
Delta R.T. -0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

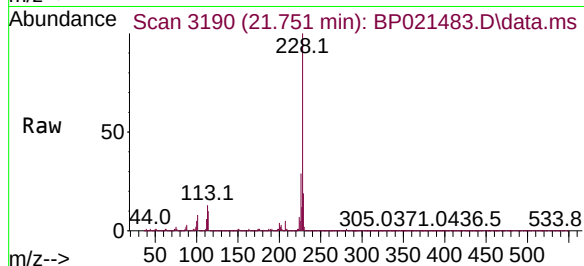
Tgt Ion:252 Resp: 405660  
Ion Ratio Lower Upper  
252 100  
254 63.9 51.7 77.5  
126 10.7 8.7 13.1





#83  
Chrysene  
Concen: 9.955 ng  
RT: 21.751 min Scan# 3190  
Delta R.T. -0.000 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

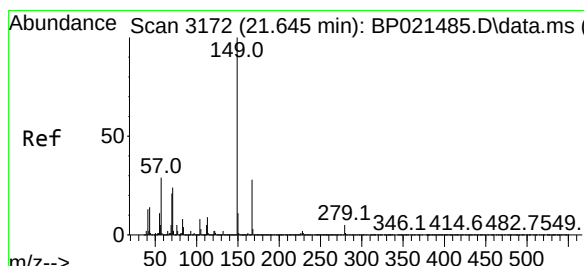
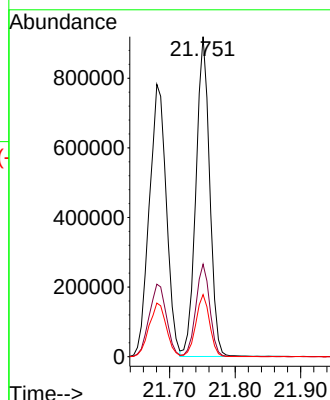
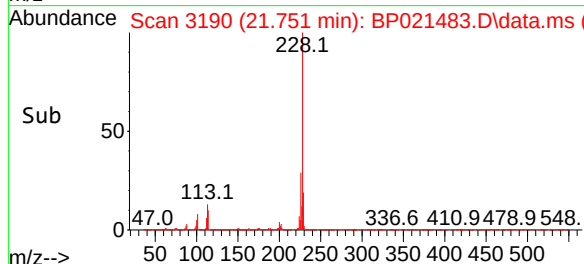
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:228 Resp: 133861  
Ion Ratio Lower Upper  
228 100  
226 28.9 23.9 35.9  
229 19.4 15.8 23.6

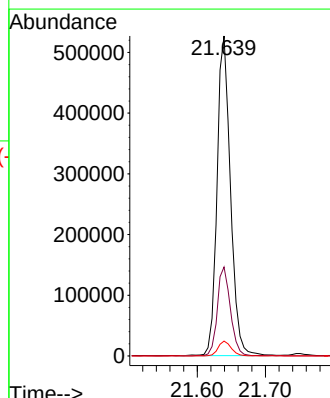
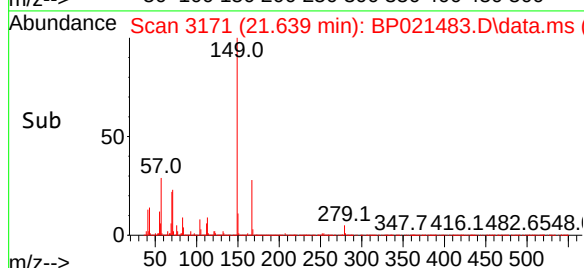
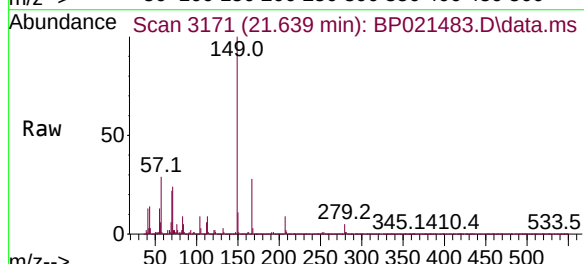
Manual Integrations  
APPROVED

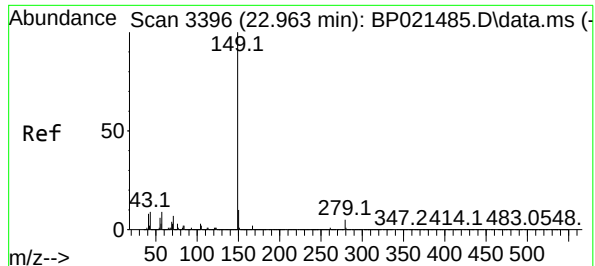
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 8.563 ng  
RT: 21.639 min Scan# 3171  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

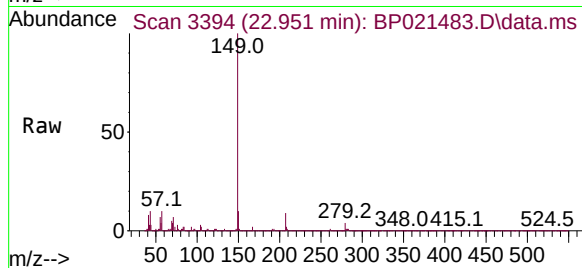
Tgt Ion:149 Resp: 720802  
Ion Ratio Lower Upper  
149 100  
167 27.8 22.3 33.5  
279 4.7 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 10.621 ng  
RT: 22.951 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

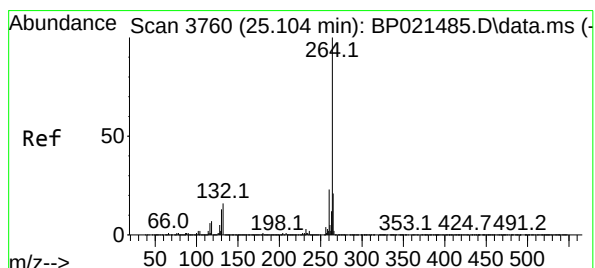
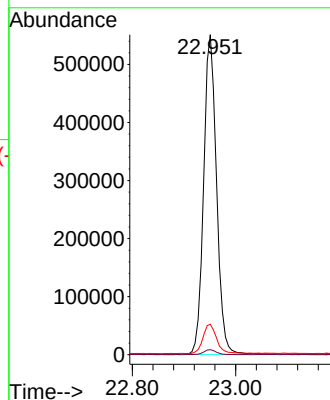
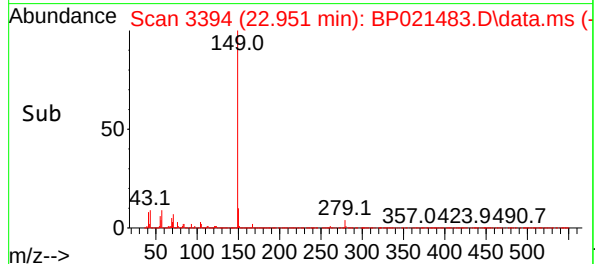
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion:149 Resp: 95118  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 9.7 7.3 10.9

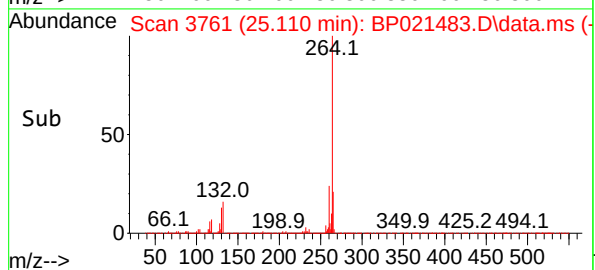
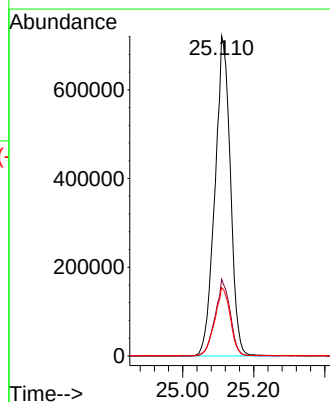
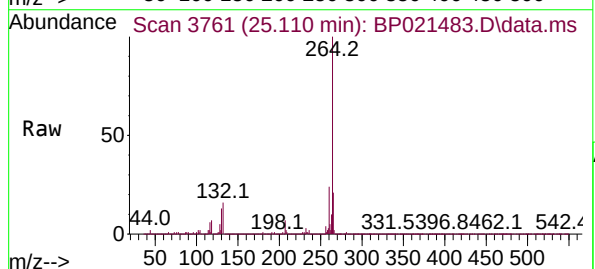
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

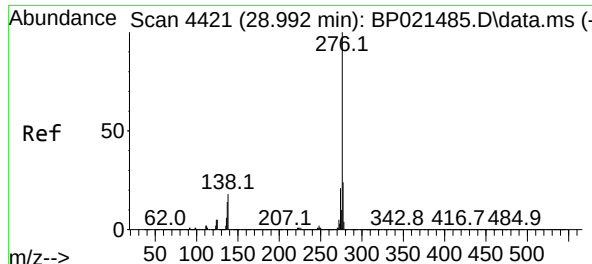


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.110 min Scan# 3761  
Delta R.T. 0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion:264 Resp: 2172035  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.6 28.0  
265 21.3 17.1 25.7







#87

Indeno(1,2,3-cd)pyrene

Concen: 8.917 ng

RT: 28.974 min Scan# 4421

Delta R.T. -0.018 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:276 Resp: 1255320

Ion Ratio Lower Upper

276 100

138 16.6 12.8 19.2

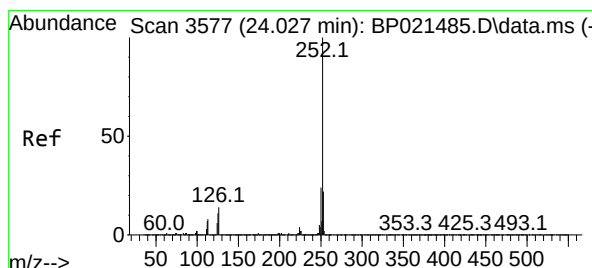
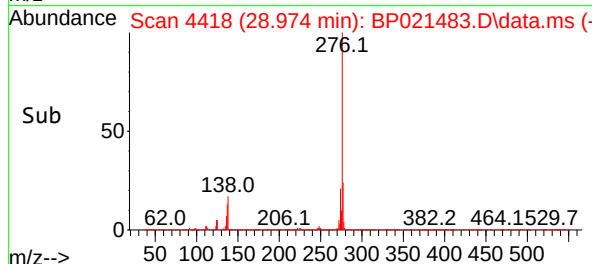
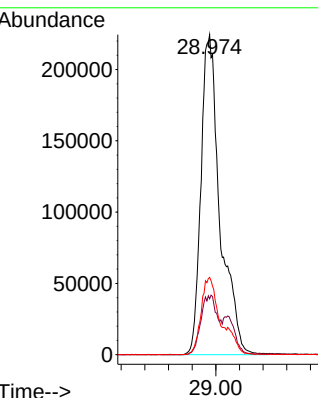
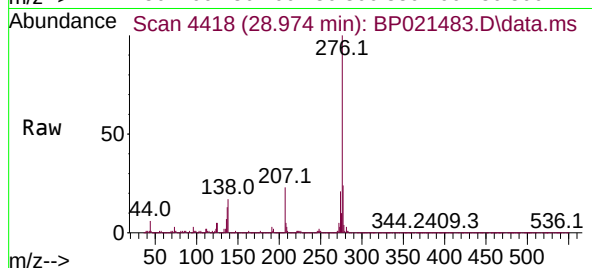
277 21.5 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#88

Benzo(b)fluoranthene

Concen: 10.027 ng

RT: 24.021 min Scan# 3576

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

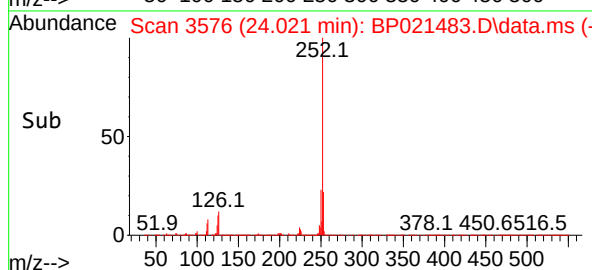
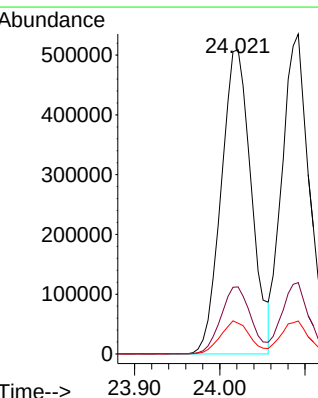
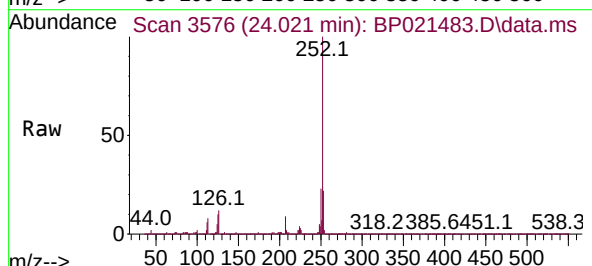
Tgt Ion:252 Resp: 1250809

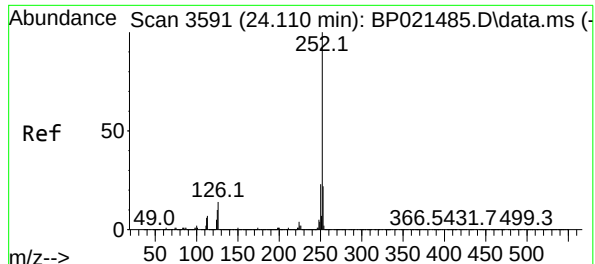
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 10.1 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 9.824 ng

RT: 24.092 min Scan# 3591

Delta R.T. -0.018 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA\_P

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 1195420

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

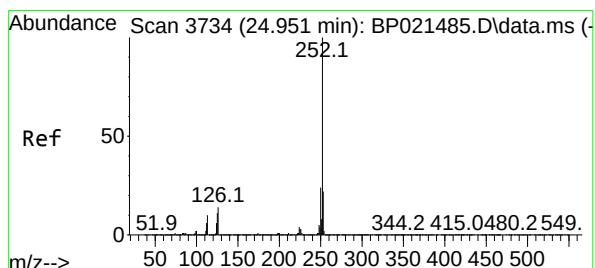
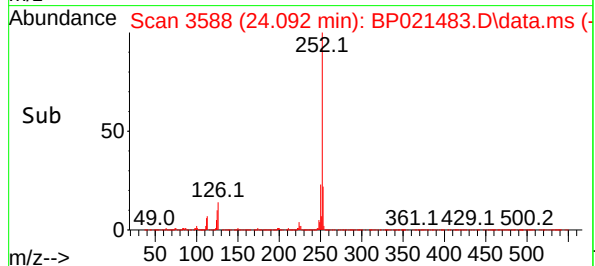
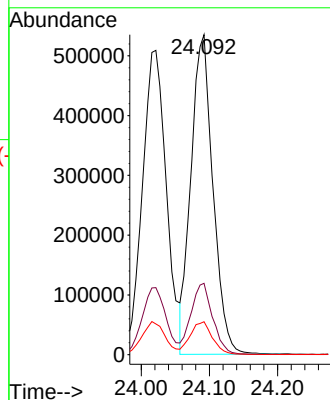
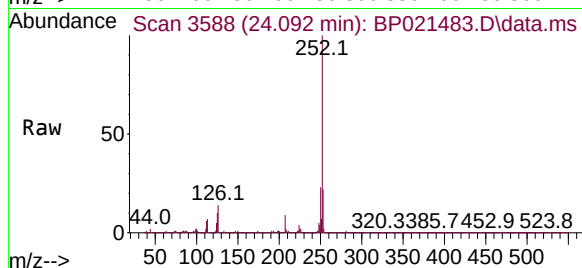
125 10.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 9.565 ng

RT: 24.927 min Scan# 3730

Delta R.T. -0.024 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

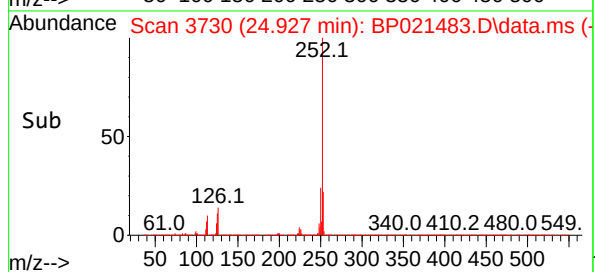
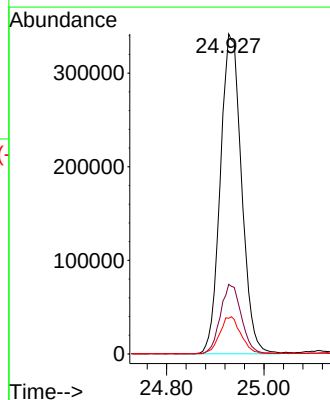
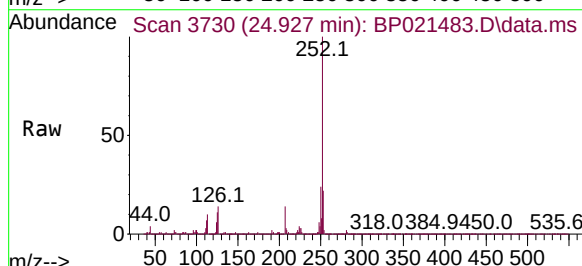
Tgt Ion:252 Resp: 1035462

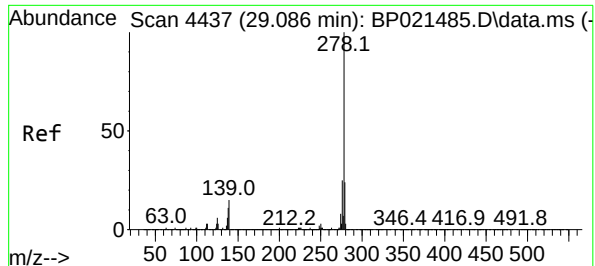
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

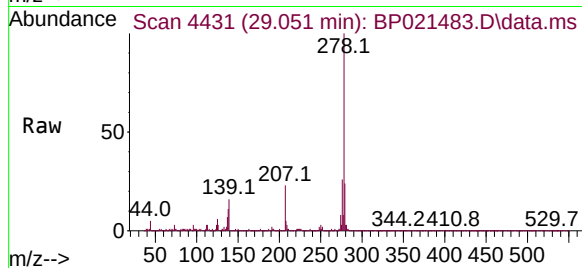
125 11.2 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 8.956 ng  
RT: 29.051 min Scan# 4437  
Delta R.T. -0.035 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

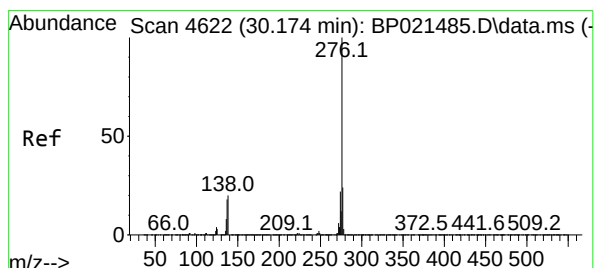
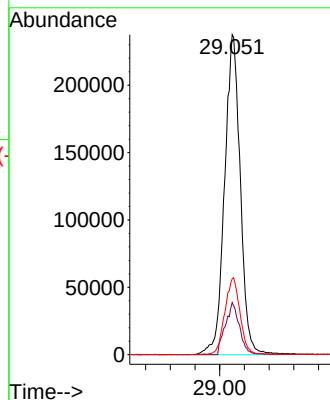
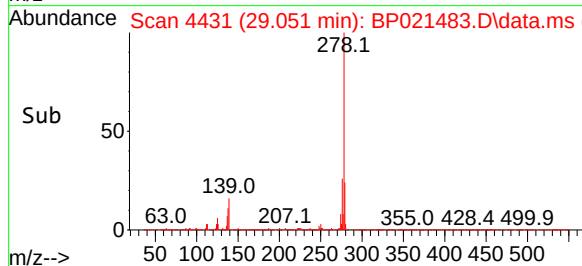
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC010



Tgt Ion: 278 Resp: 104769  
Ion Ratio Lower Upper  
278 100  
139 16.3 12.2 18.4  
279 23.7 19.1 28.7

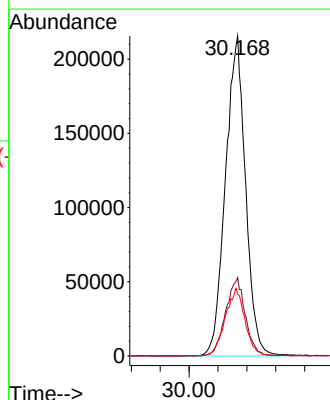
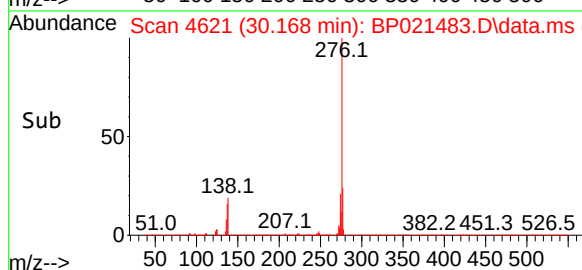
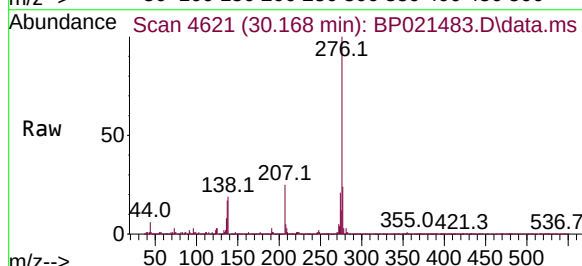
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#92  
Benzo(g,h,i)perylene  
Concen: 8.847 ng  
RT: 30.168 min Scan# 4621  
Delta R.T. -0.006 min  
Lab File: BP021483.D  
Acq: 13 Aug 2024 13:59

Tgt Ion: 276 Resp: 1037272  
Ion Ratio Lower Upper  
276 100  
277 24.5 19.0 28.6  
138 19.4 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021484.D  
Acq On : 13 Aug 2024 14:42  
Operator : RC/JU  
Sample : SSTDICC020  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

Quant Time: Aug 13 23:51:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 23:44:24 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 325874   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1390587  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 947946   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 2036378  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.704 | 240  | 2051361  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.110 | 264  | 2332049  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 915778   | 41.728 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.958  | 99   | 1343954  | 41.979 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 1073821  | 39.857 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 421534   | 39.955 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 2531601  | 40.758 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.975 | 244  | 4240552  | 40.160 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 221781   | 21.313 | ng    | 98       |
| 3) Pyridine                   | 3.705  | 79   | 623899   | 21.477 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 185073   | 21.196 | ng    | 96       |
| 6) Aniline                    | 7.128  | 93   | 669123   | 20.906 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 420713   | 20.744 | ng    | 98       |
| 9) Benzaldehyde               | 6.946  | 77   | 459162   | 22.400 | ng    | 100      |
| 10) Phenol                    | 6.987  | 94   | 696832   | 21.019 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 582174   | 20.753 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 503772   | 20.912 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 506071   | 20.804 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 493188   | 21.038 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 480369   | 20.912 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.340  | 45   | 535190   | 20.717 | ng    | 99       |
| 17) 2-Methylphenol            | 8.234  | 107  | 439840   | 20.986 | ng    | 100      |
| 18) Hexachloroethane          | 8.893  | 117  | 201027   | 20.608 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 467087   | 21.121 | ng    | 100      |
| 20) 3+4-Methylphenols         | 8.558  | 107  | 584839   | 20.695 | ng    | 99       |
| 22) Acetophenone              | 8.616  | 105  | 893676   | 20.919 | ng    | # 99     |
| 24) Nitrobenzene              | 8.993  | 77   | 597794   | 20.430 | ng    | 99       |
| 25) Isophorone                | 9.516  | 82   | 1322653  | 20.781 | ng    | 100      |
| 26) 2-Nitrophenol             | 9.705  | 139  | 105219   | 20.765 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.758  | 122  | 322640   | 20.541 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.999  | 93   | 795422   | 20.473 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 375130   | 20.213 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.458 | 180  | 482172   | 20.265 | ng    | 98       |
| 31) Naphthalene               | 10.646 | 128  | 1492878  | 20.550 | ng    | 100      |
| 32) Benzoic acid              | 9.840  | 122  | 144329   | 19.969 | ng    | 95       |
| 33) 4-Chloroaniline           | 10.734 | 127  | 564170   | 20.675 | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 302459   | 20.189 | ng    | 98       |
| 35) Caprolactam               | 11.481 | 113  | 163665   | 21.189 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.857 | 107  | 531060   | 20.628 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 1015274  | 20.478 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 1008222  | 20.619 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 561317   | 20.209 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 164693   | 18.709 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 301820   | 19.562 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021484.D  
 Acq On : 13 Aug 2024 14:42  
 Operator : RC/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:51:48 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.934 | 196  | 341066   | 19.897 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.281 | 154  | 1359024  | 20.263 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.322 | 162  | 1058999  | 20.282 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 218570   | 18.481 | ng    | 97       |
| 49) Acenaphthylene            | 14.169 | 152  | 1571109  | 20.468 | ng    | 100      |
| 50) Dimethylphthalate         | 13.904 | 163  | 1297733  | 20.442 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.016 | 165  | 215611   | 19.423 | ng    | 93       |
| 52) Acenaphthene              | 14.516 | 154  | 1018510  | 20.223 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.346 | 138  | 209499   | 19.232 | ng    | # 91     |
| 54) 2,4-Dinitrophenol         | 14.540 | 184  | 49171    | 19.714 | ng    | # 74     |
| 55) Dibenzofuran              | 14.851 | 168  | 1589415  | 20.515 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.634 | 139  | 167932   | 20.016 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 248400   | 18.676 | ng    | 92       |
| 58) Fluorene                  | 15.516 | 166  | 1334998  | 20.975 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 286326   | 19.679 | ng    | 98       |
| 60) Diethylphthalate          | 15.293 | 149  | 1353063  | 20.773 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204  | 680988   | 20.699 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.522 | 138  | 229769   | 19.603 | ng    | 92       |
| 63) Azobenzene                | 15.816 | 77   | 1685601  | 21.052 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 198  | 79397    | 19.364 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.734 | 169  | 1118083  | 20.488 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.434 | 248  | 432165   | 20.052 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 509441   | 20.002 | ng    | 98       |
| 69) Atrazine                  | 16.710 | 200  | 398442   | 21.266 | ng    | 99       |
| 70) Pentachlorophenol         | 16.892 | 266  | 255526   | 18.381 | ng    | 99       |
| 71) Phenanthrene              | 17.292 | 178  | 2033070  | 20.760 | ng    | 99       |
| 72) Anthracene                | 17.398 | 178  | 1976030  | 20.574 | ng    | 99       |
| 73) Carbazole                 | 17.663 | 167  | 1916837  | 20.709 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.269 | 149  | 2340289  | 20.587 | ng    | 99       |
| 75) Fluoranthene              | 19.375 | 202  | 2511684  | 20.902 | ng    | 100      |
| 77) Benzidine                 | 19.575 | 184  | 924193   | 20.258 | ng    | 99       |
| 78) Pyrene                    | 19.751 | 202  | 2656705  | 19.814 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 843482   | 18.934 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.686 | 228  | 2648478  | 20.566 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.604 | 252  | 847490   | 20.526 | ng    | 99       |
| 83) Chrysene                  | 21.751 | 228  | 2472528  | 20.336 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.651 | 149  | 1520788  | 19.981 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.963 | 149  | 2286827  | 20.217 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.980 | 276  | 3071376m | 20.320 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.033 | 252  | 2700298  | 20.161 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.104 | 252  | 2620830  | 20.059 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.951 | 252  | 2339364  | 20.127 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 29.080 | 278  | 2579763  | 20.539 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.168 | 276  | 2555517  | 20.300 | ng    | 100      |

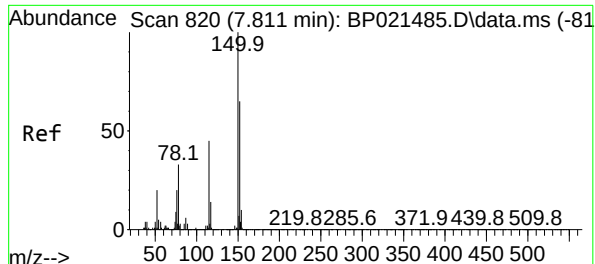
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICC020

## Manual Integrations APPROVED

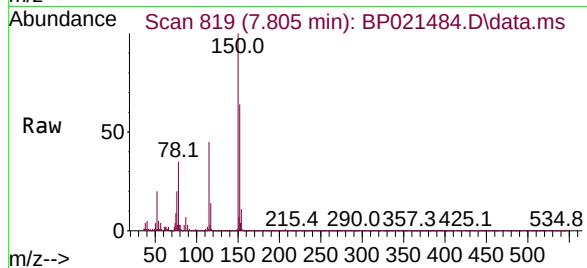
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

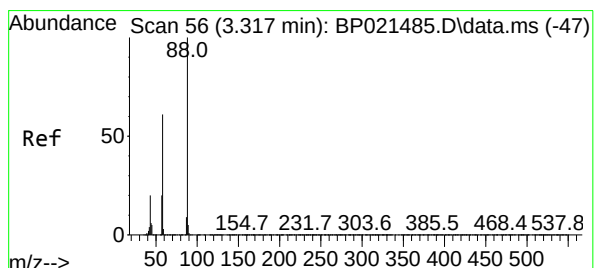
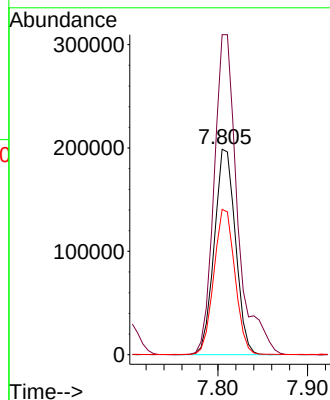
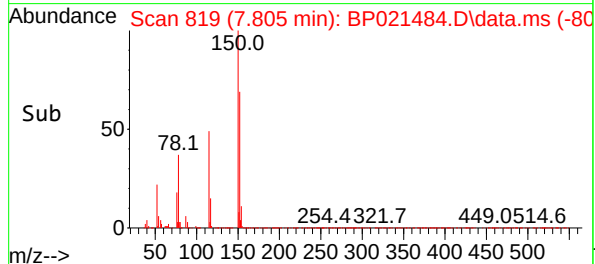
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 152 Resp: 325874  
Ion Ratio Lower Upper  
152 100  
150 155.8 122.4 183.6  
115 70.7 54.7 82.1

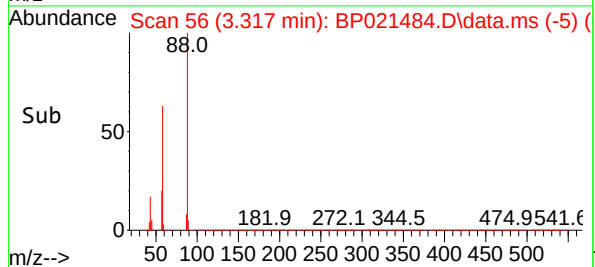
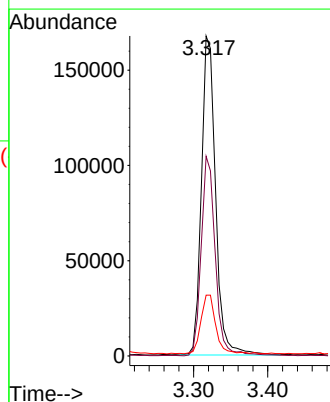
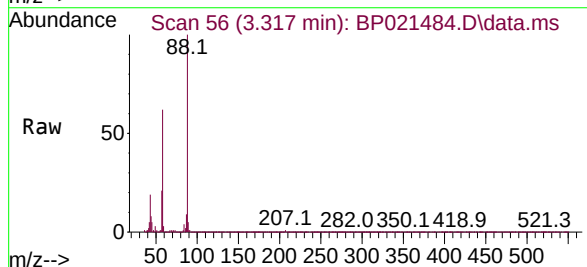
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

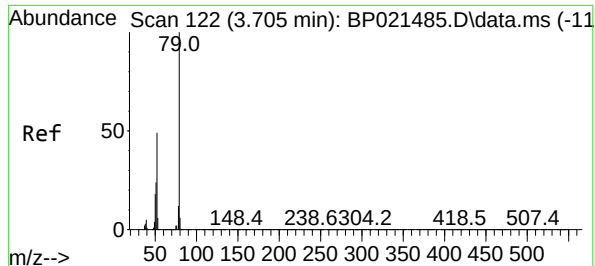


#2  
1,4-Dioxane  
Concen: 21.313 ng  
RT: 3.317 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 88 Resp: 221781  
Ion Ratio Lower Upper  
88 100  
58 62.4 48.7 73.1  
43 19.4 15.4 23.2

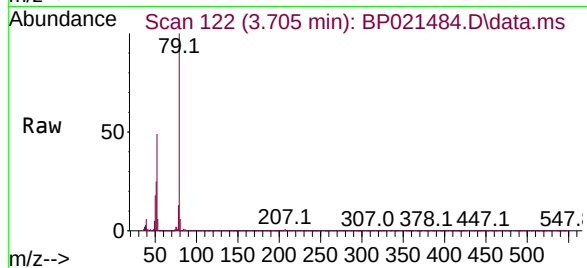






#3  
Pyridine  
Concen: 21.477 ng  
RT: 3.705 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

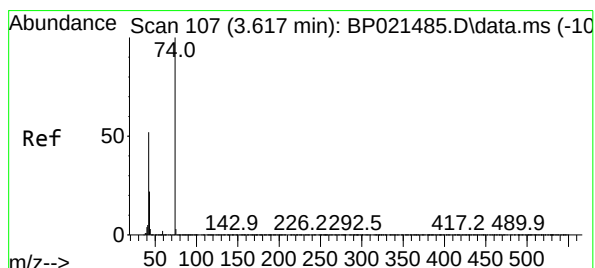
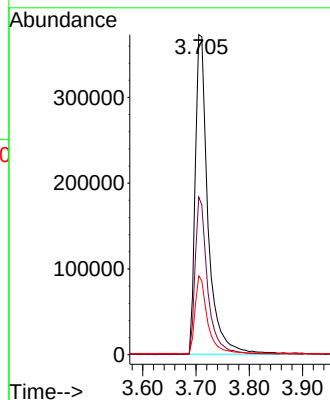
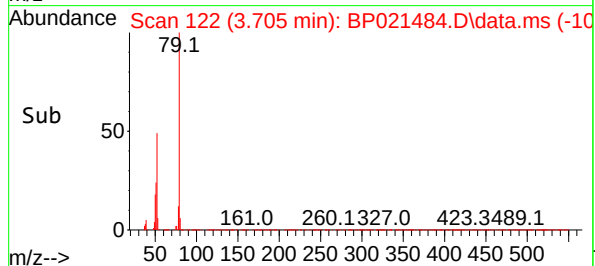
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 79 Resp: 62389  
Ion Ratio Lower Upper  
79 100  
52 49.3 39.0 58.6  
51 24.6 19.2 28.8

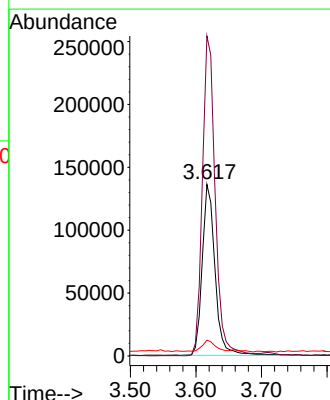
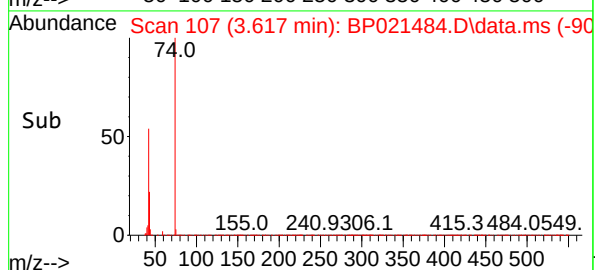
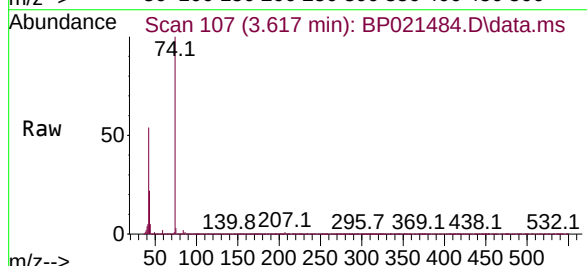
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

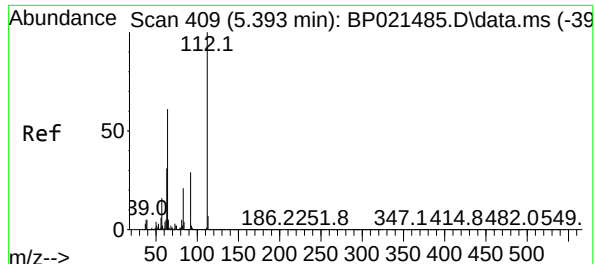


#4  
n-Nitrosodimethylamine  
Concen: 21.196 ng  
RT: 3.617 min Scan# 107  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 42 Resp: 185073  
Ion Ratio Lower Upper  
42 100  
74 186.5 154.3 231.5  
44 9.2 6.2 9.4







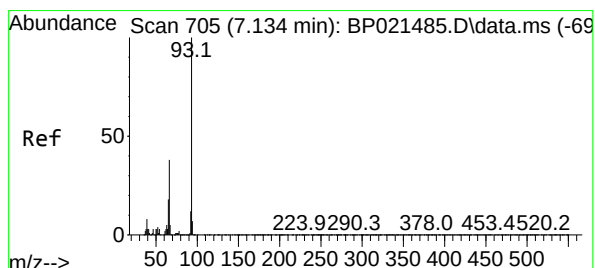
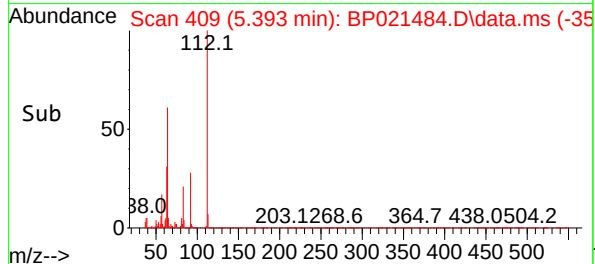
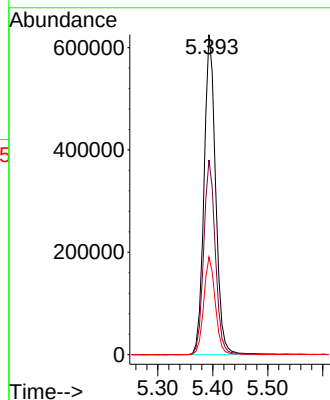
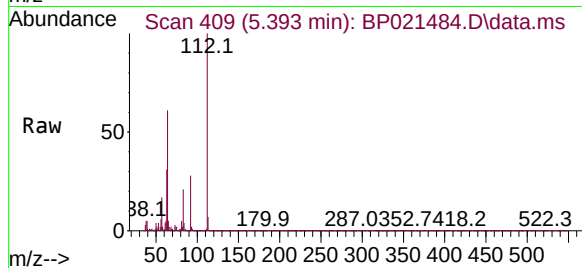
#5  
2-Fluorophenol  
Concen: 41.728 ng  
RT: 5.393 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

Tgt Ion:112 Resp: 915778  
Ion Ratio Lower Upper  
112 100  
64 60.9 49.0 73.6  
63 30.6 24.6 36.8

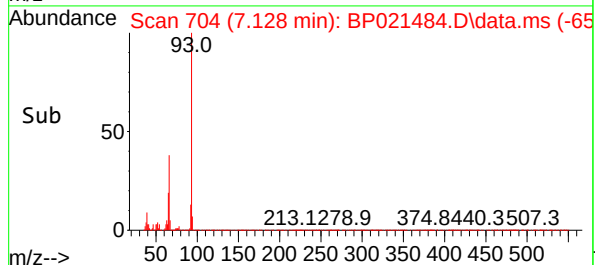
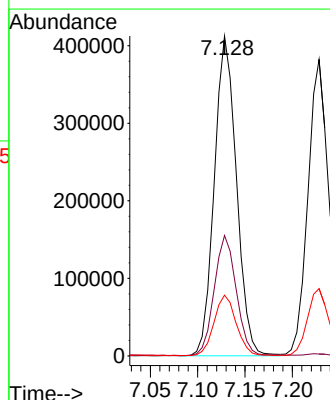
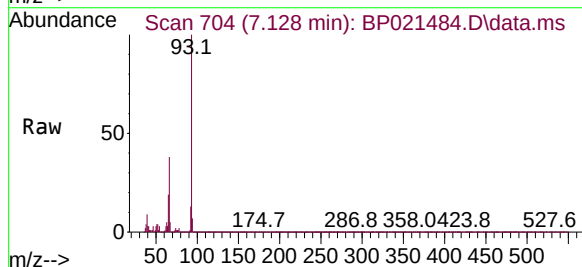
Manual Integrations  
APPROVED

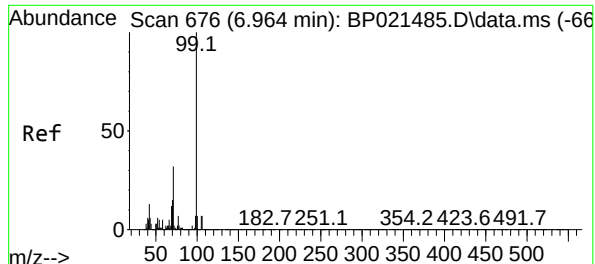
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#6  
Aniline  
Concen: 20.906 ng  
RT: 7.128 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 669123  
Ion Ratio Lower Upper  
93 100  
66 37.6 30.2 45.2  
65 19.0 14.7 22.1





#7

Phenol-d6

Concen: 41.979 ng

RT: 6.958 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 1343954

Ion Ratio Lower Upper

99 100

42 13.2 10.2 15.4

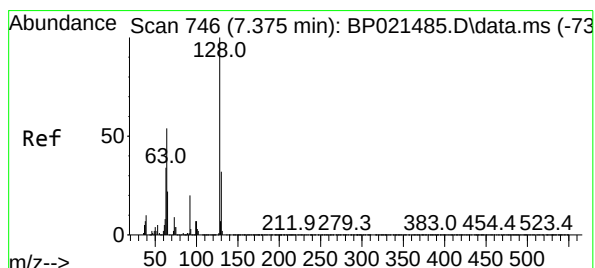
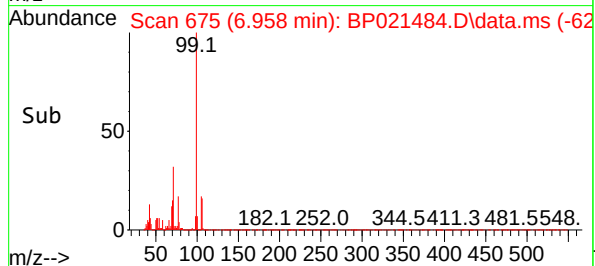
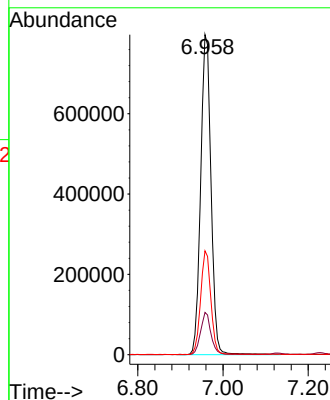
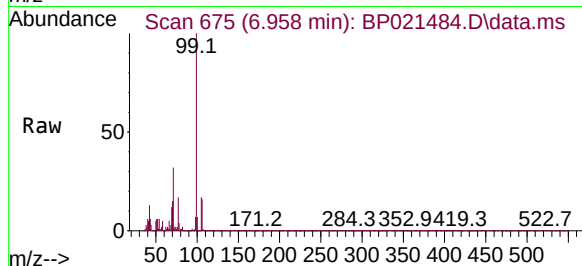
71 32.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 20.744 ng

RT: 7.369 min Scan# 745

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

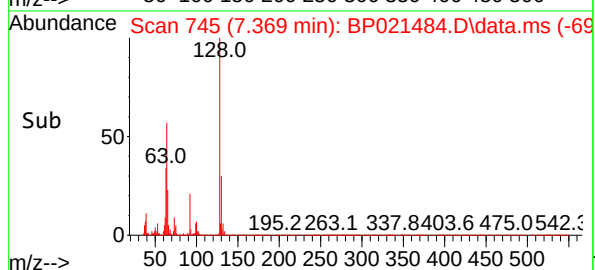
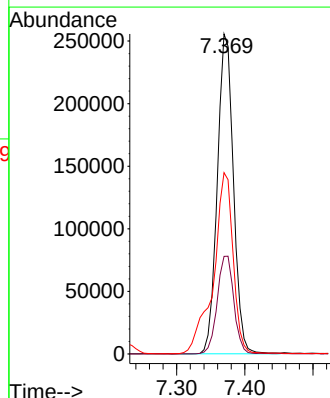
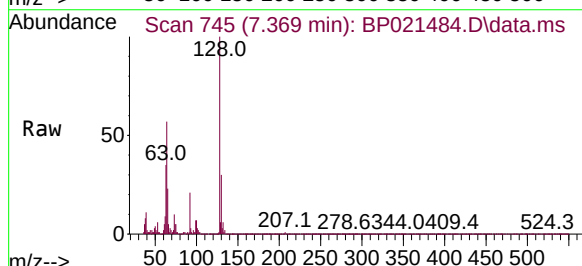
Tgt Ion:128 Resp: 420713

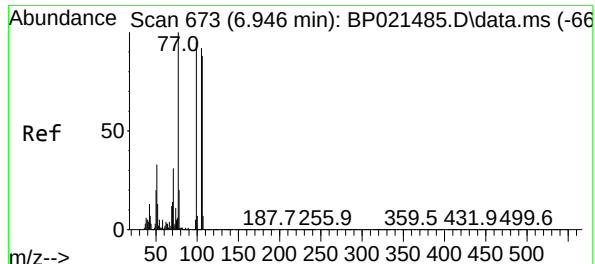
Ion Ratio Lower Upper

128 100

130 30.5 11.6 51.6

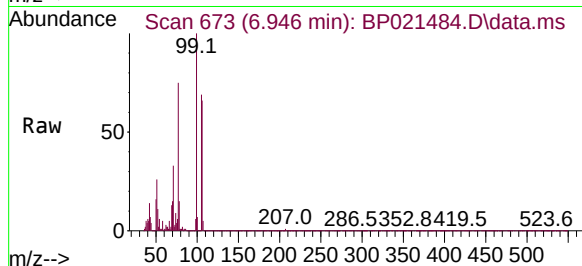
64 56.6 35.3 75.3





#9  
Benzaldehyde  
Concen: 22.400 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

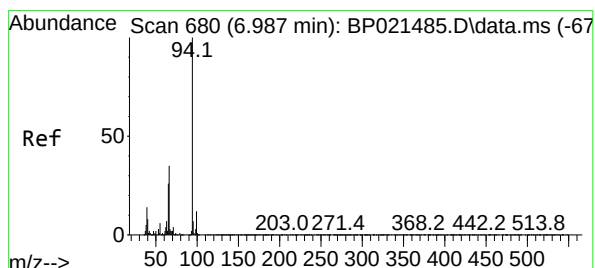
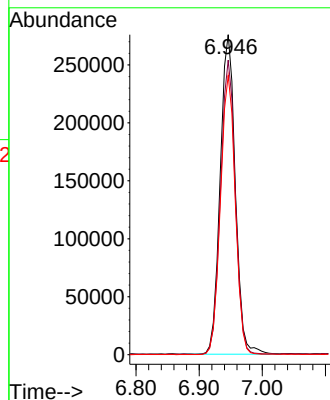
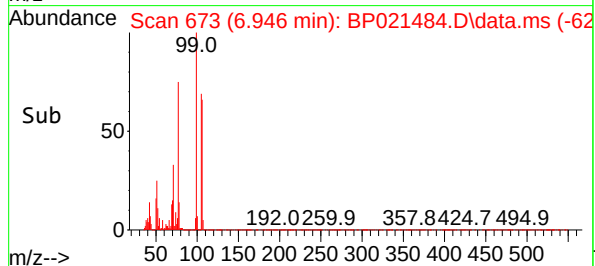
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 77 Resp: 459162  
Ion Ratio Lower Upper  
77 100  
105 92.1 72.1 112.1  
106 87.3 67.9 107.9

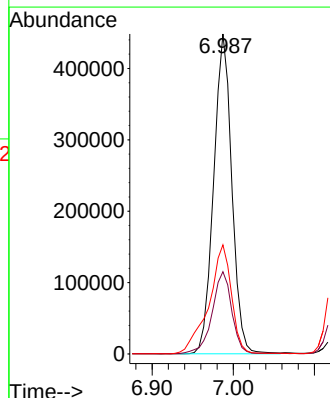
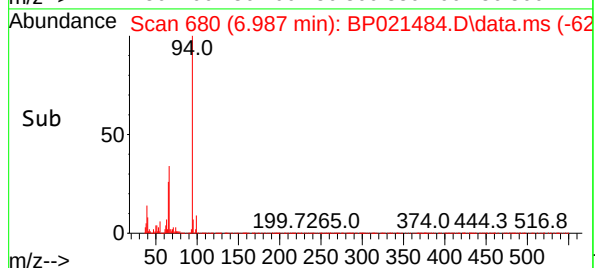
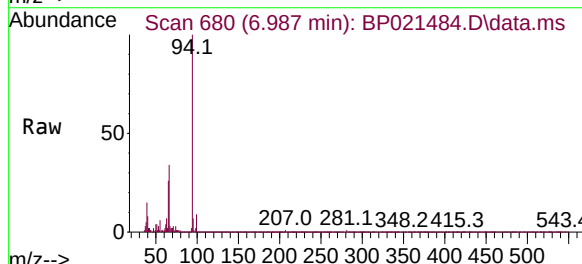
Manual Integrations  
APPROVED

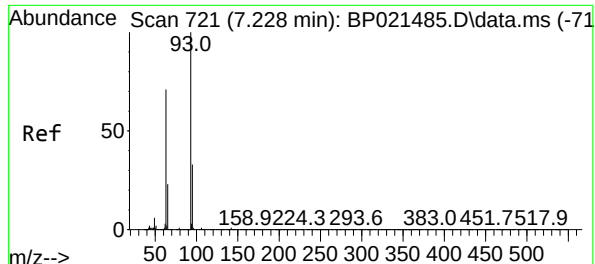
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 21.019 ng  
RT: 6.987 min Scan# 680  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 94 Resp: 696832  
Ion Ratio Lower Upper  
94 100  
65 25.7 6.5 46.5  
66 34.1 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 20.753 ng

RT: 7.228 min Scan# 721

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion: 93 Resp: 582174

Ion Ratio Lower Upper

93 100

63 69.9 51.0 91.0

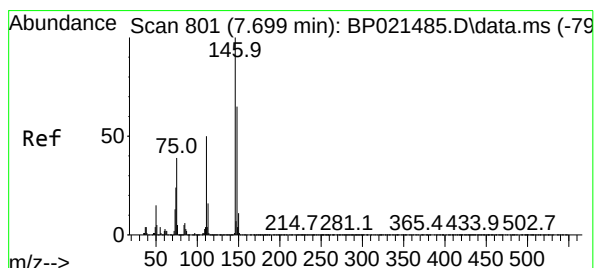
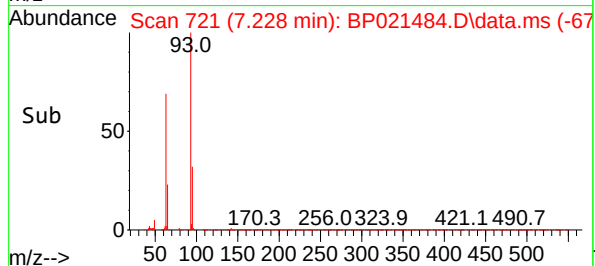
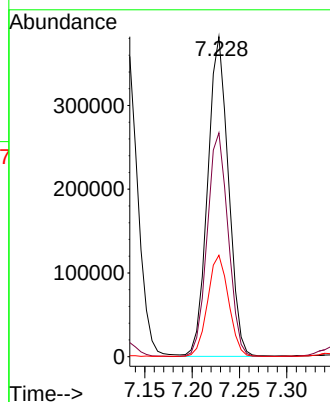
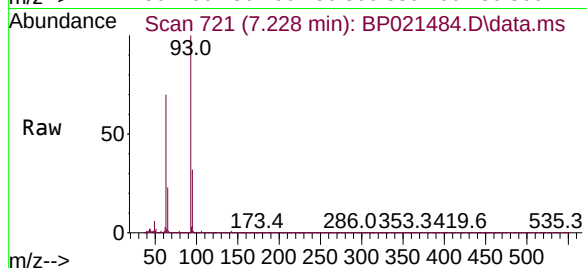
95 31.7 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 20.912 ng

RT: 7.699 min Scan# 801

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

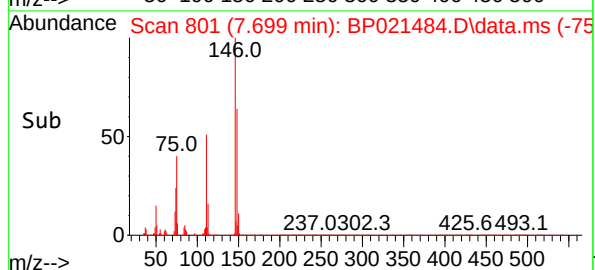
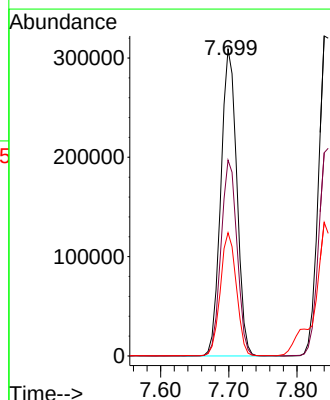
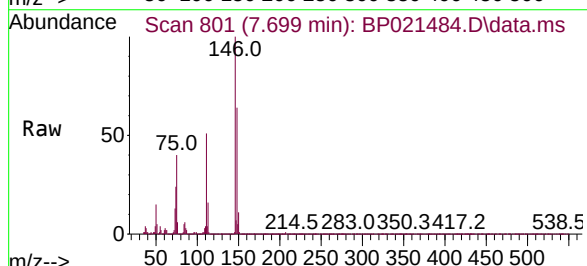
Tgt Ion:146 Resp: 503772

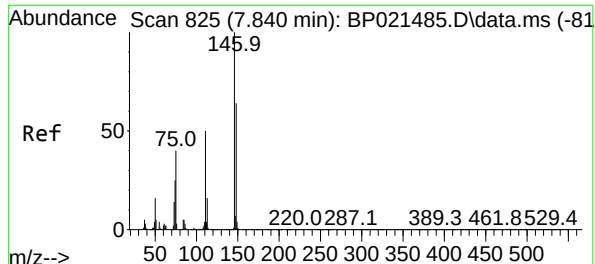
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

75 40.2 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 20.804 ng

RT: 7.840 min Scan# 81

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 50607

Ion Ratio Lower Upper

146 100

148 63.5 51.5 77.3

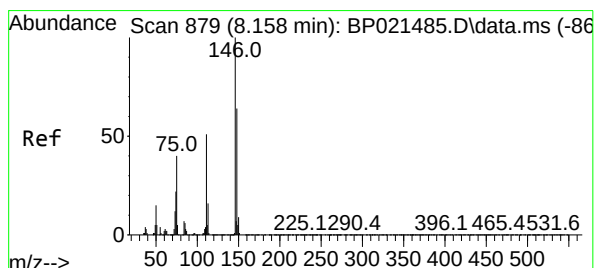
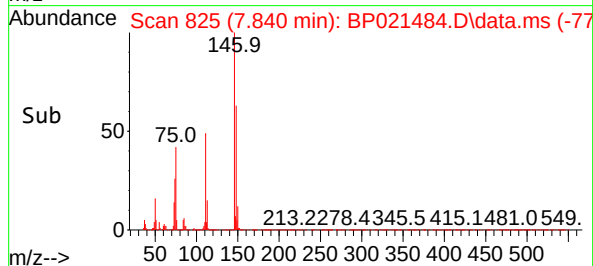
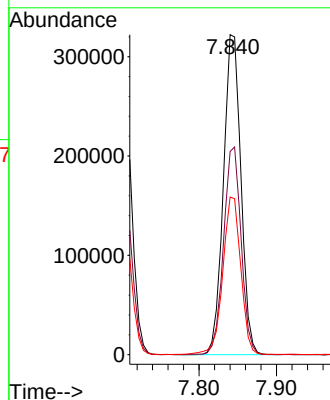
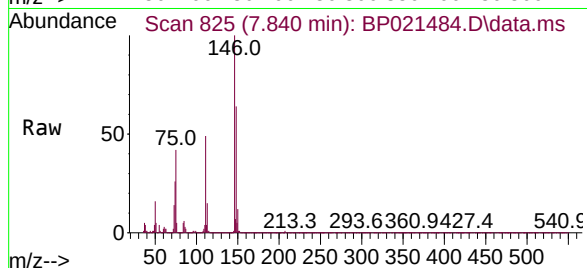
111 49.3 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 21.038 ng

RT: 8.158 min Scan# 879

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

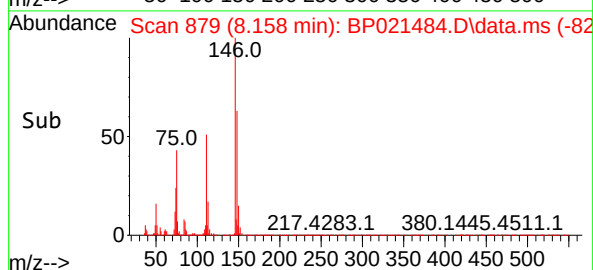
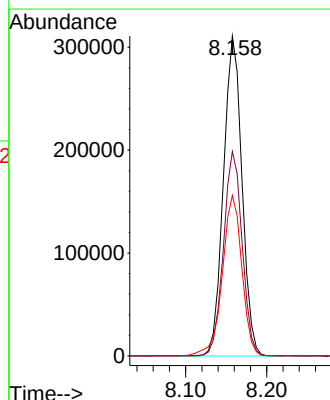
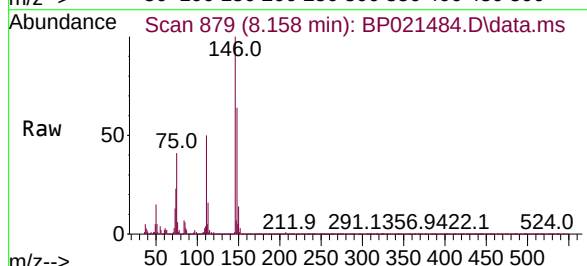
Tgt Ion:146 Resp: 493188

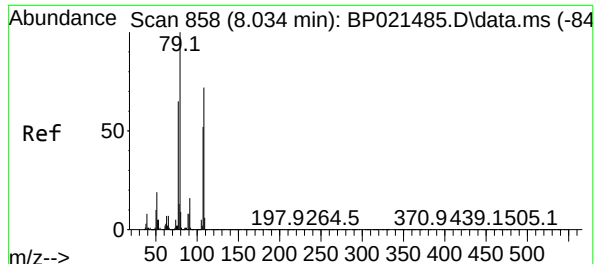
Ion Ratio Lower Upper

146 100

148 63.9 51.5 77.3

111 50.1 41.1 61.7





#15

Benzyl Alcohol

Concen: 20.912 ng

RT: 8.034 min Scan# 80

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 480369

Ion Ratio Lower Upper

79 100

108 72.0 57.9 86.9

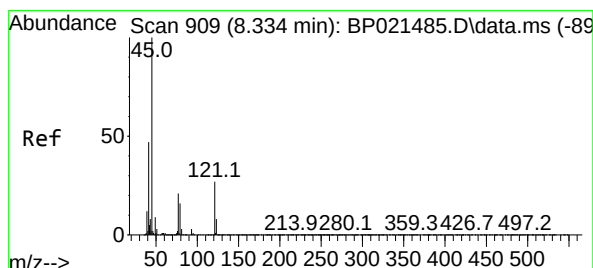
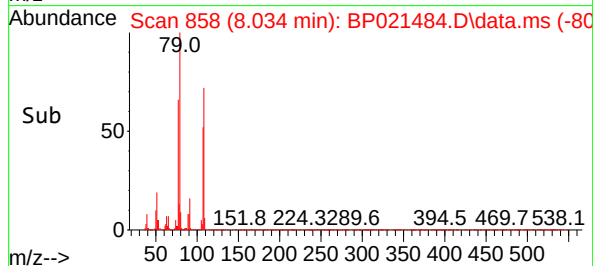
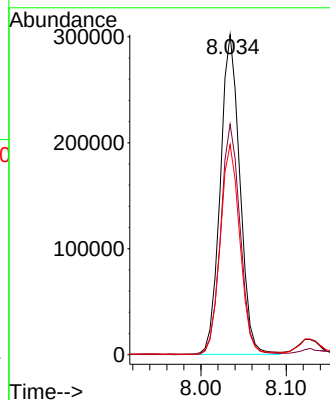
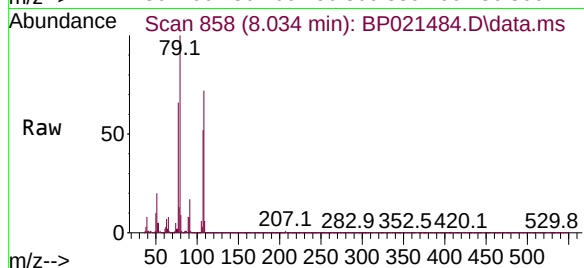
77 65.7 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.717 ng

RT: 8.340 min Scan# 910

Delta R.T. 0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

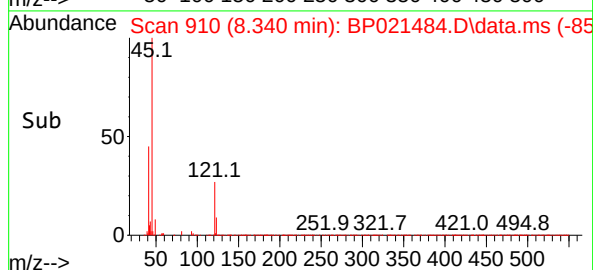
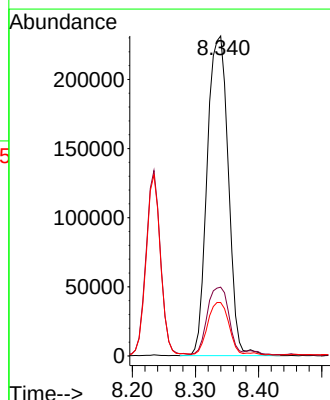
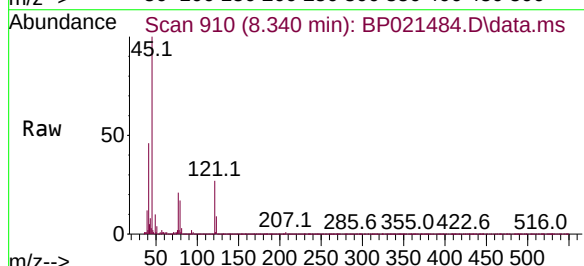
Tgt Ion: 45 Resp: 535190

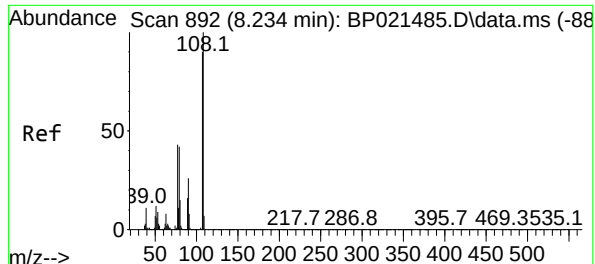
Ion Ratio Lower Upper

45 100

77 21.5 1.9 41.9

79 16.7 0.0 36.6





#17

2-Methylphenol

Concen: 20.986 ng

RT: 8.234 min Scan# 892

Delta R.T. 0.000 min

Lab File: BP021484.D

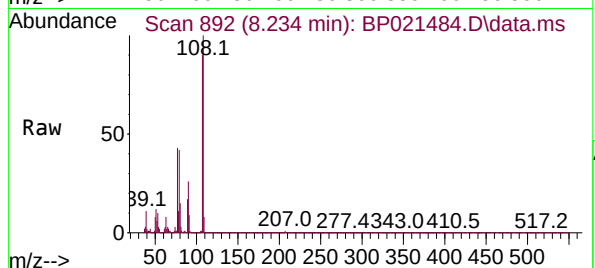
Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

Client SampleId :

SSTDICC020



Tgt Ion:107 Resp: 439840

Ion Ratio Lower Upper

107 100

108 111.6 88.8 133.2

77 48.4 38.7 58.1

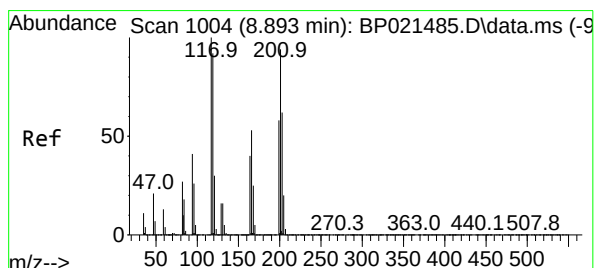
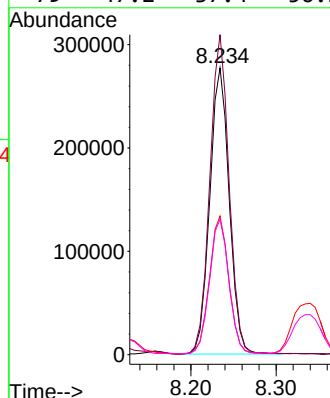
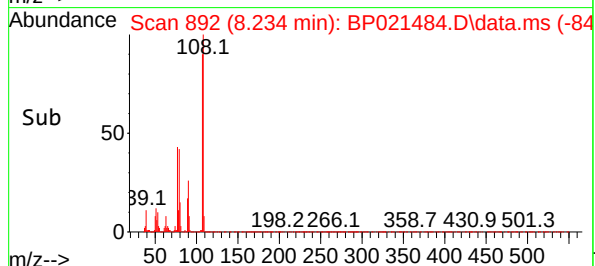
79 47.2 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

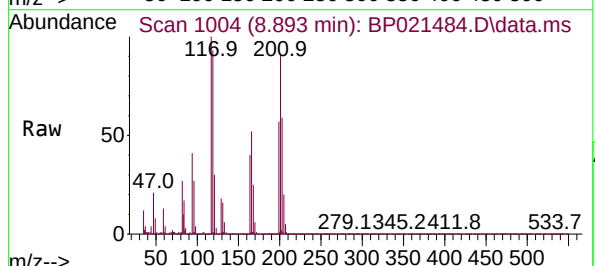
Concen: 20.608 ng

RT: 8.893 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42



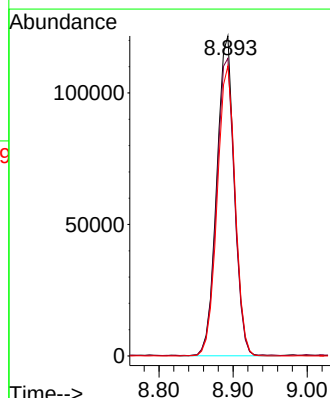
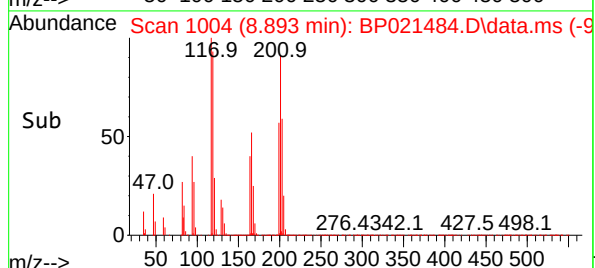
Tgt Ion:117 Resp: 201027

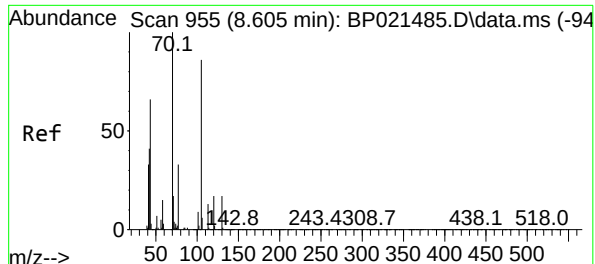
Ion Ratio Lower Upper

117 100

119 93.0 73.9 110.9

201 90.6 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 21.121 ng

RT: 8.605 min Scan# 955

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 46708

Ion Ratio Lower Upper

70 100

42 41.4 33.1 49.7

101 9.5 7.4 11.2

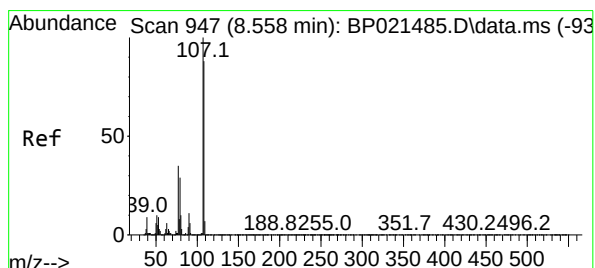
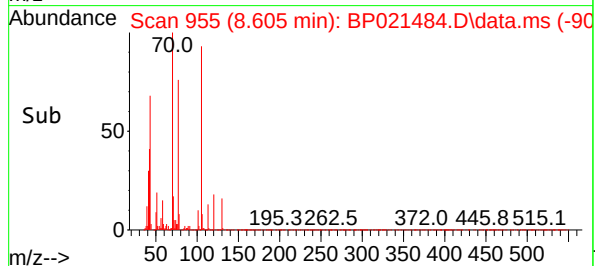
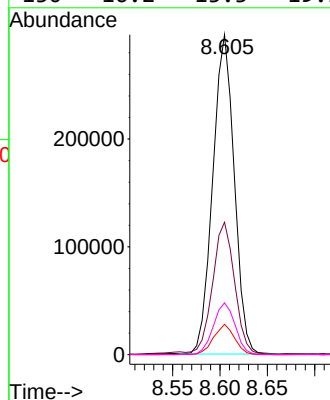
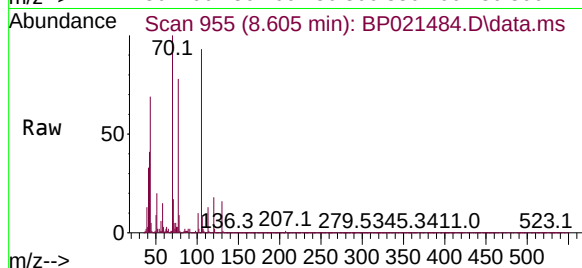
130 16.2 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

Concen: 20.695 ng

RT: 8.558 min Scan# 947

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 584839

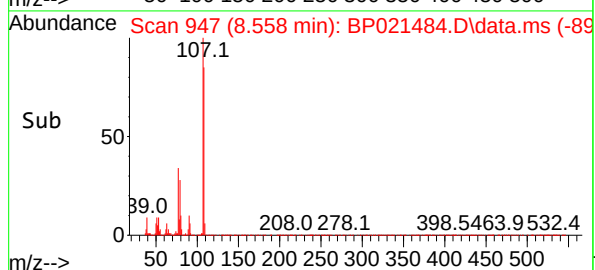
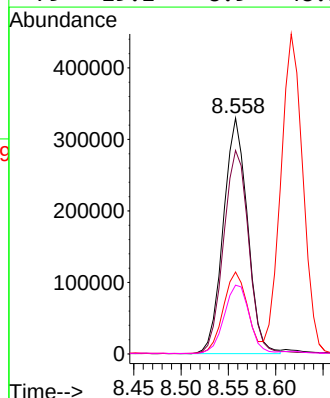
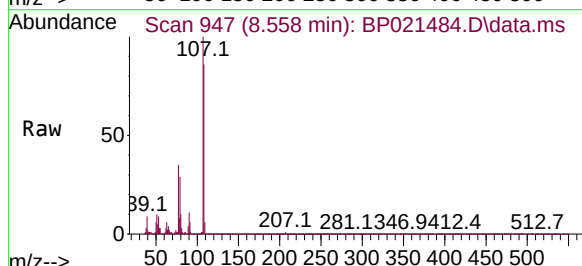
Ion Ratio Lower Upper

107 100

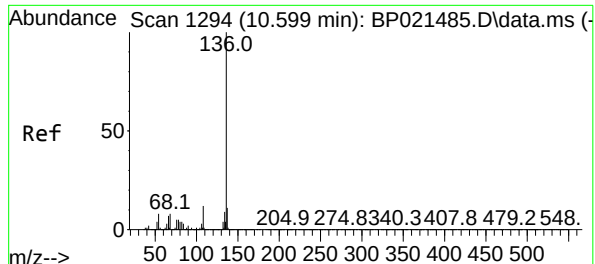
108 86.3 67.6 107.6

77 34.7 15.0 55.0

79 29.2 8.9 48.9







#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.593 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:136 Resp: 139058

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.2 6.3 9.5

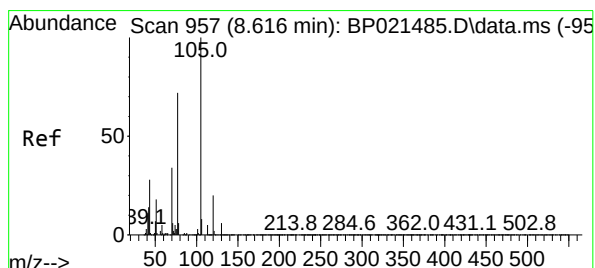
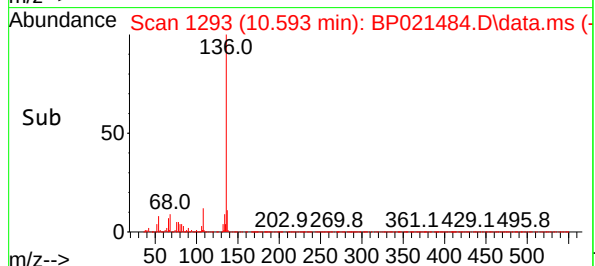
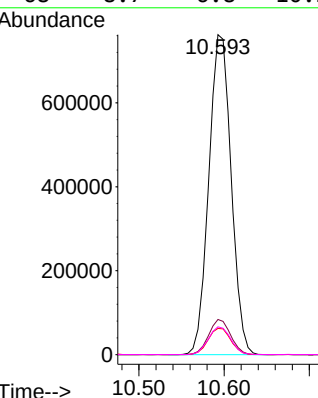
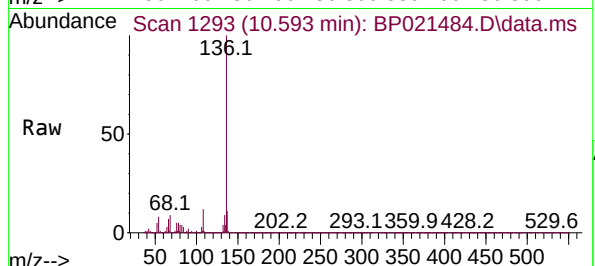
68 8.7 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#22

Acetophenone

Concen: 20.919 ng

RT: 8.616 min Scan# 957

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Tgt Ion:105 Resp: 893676

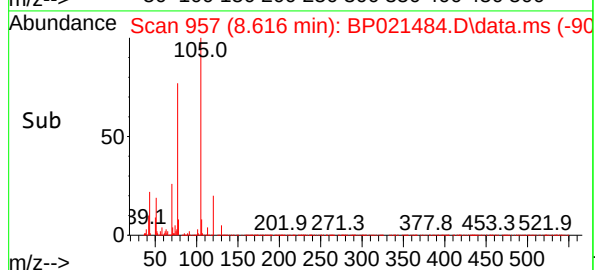
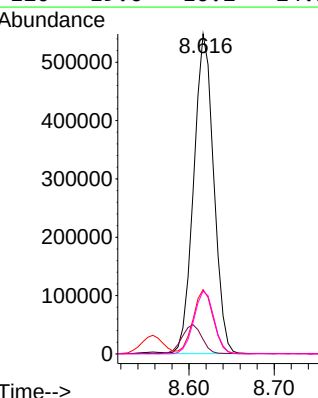
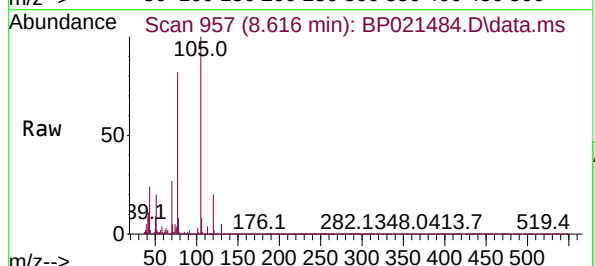
Ion Ratio Lower Upper

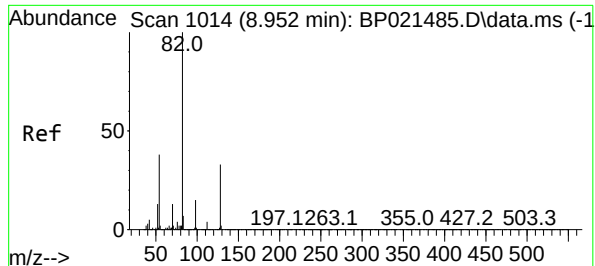
105 100

71 4.6 4.6 7.0#

51 20.1 16.3 24.5

120 19.6 16.2 24.2





#23

Nitrobenzene-d5

Concen: 39.857 ng

RT: 8.952 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 107382

Ion Ratio Lower Upper

82 100

128 31.9 26.5 39.7

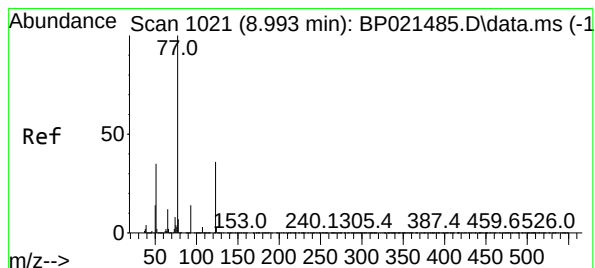
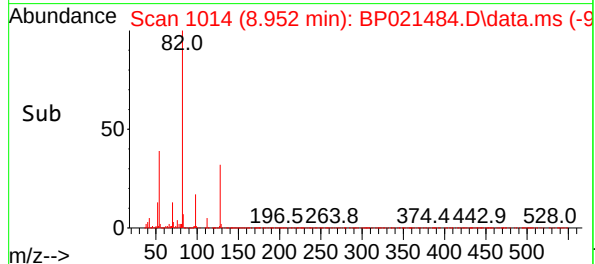
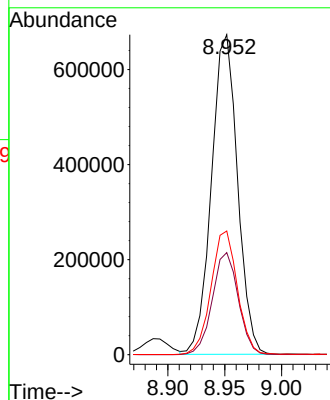
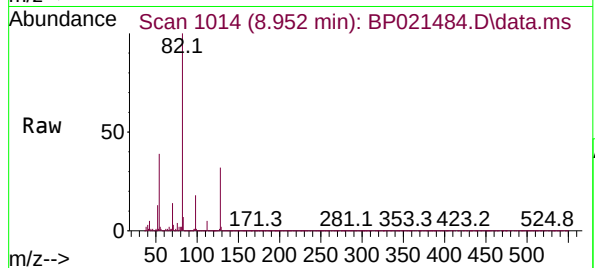
54 38.7 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 20.430 ng

RT: 8.993 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

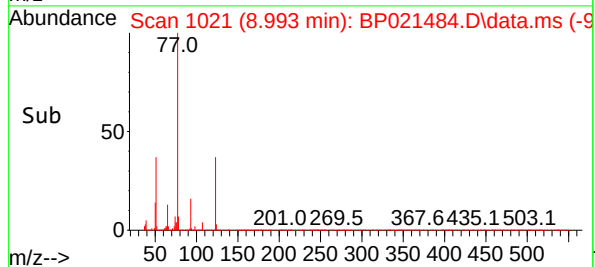
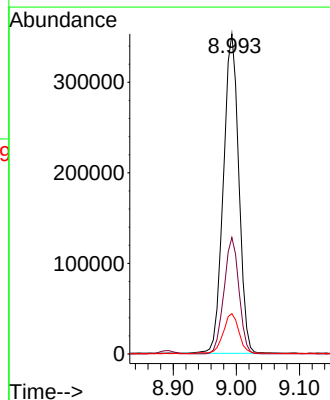
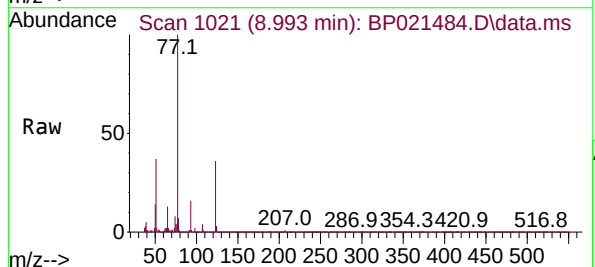
Tgt Ion: 77 Resp: 597794

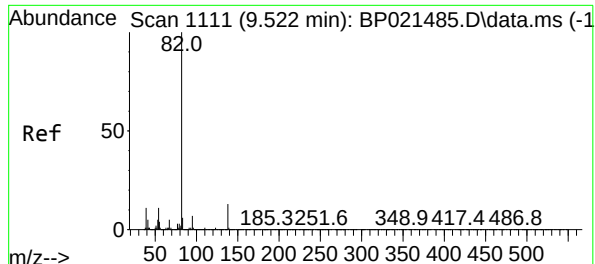
Ion Ratio Lower Upper

77 100

123 36.4 29.5 44.3

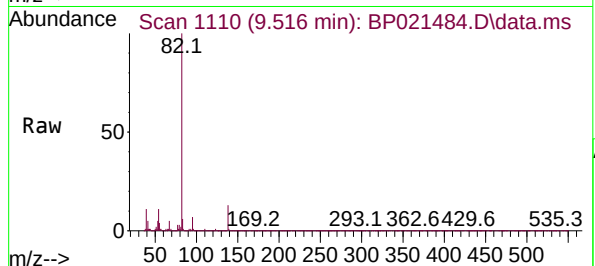
65 12.6 9.9 14.9





#25  
Isophorone  
Concen: 20.781 ng  
RT: 9.516 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

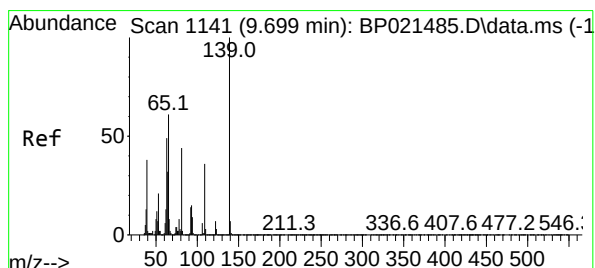
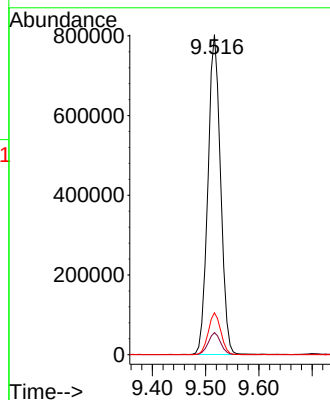
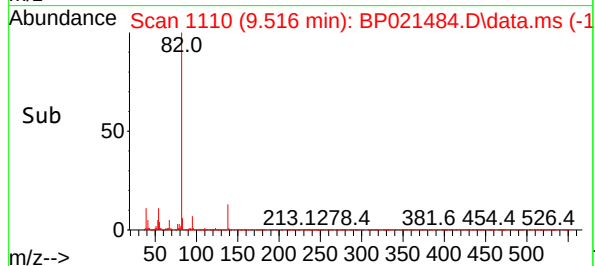
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



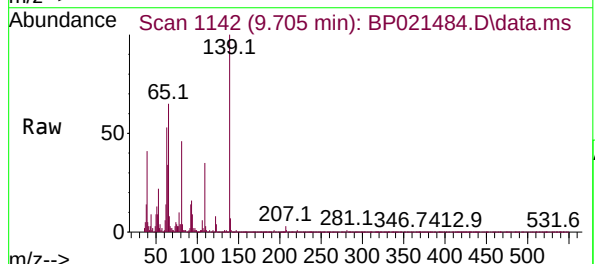
Tgt Ion: 82 Resp: 132265  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.4 8.2  
138 13.1 10.6 16.0

Manual Integrations  
APPROVED

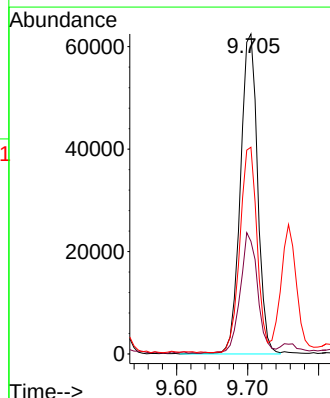
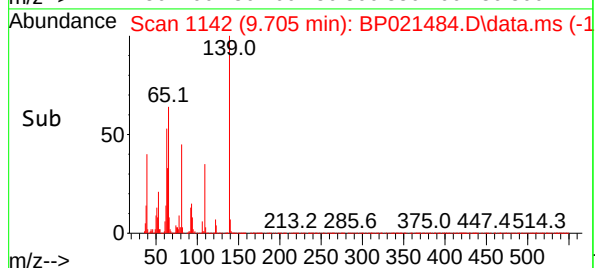
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

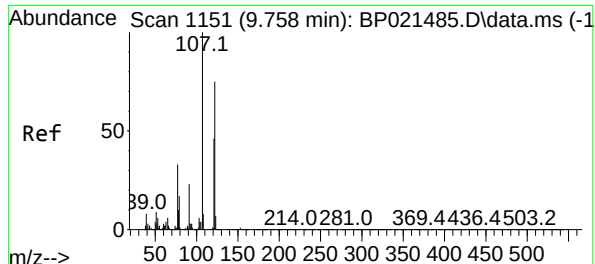


#26  
2-Nitrophenol  
Concen: 20.765 ng  
RT: 9.705 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42



Tgt Ion:139 Resp: 105219  
Ion Ratio Lower Upper  
139 100  
109 35.2 28.9 43.3  
65 64.6 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 20.541 ng

RT: 9.758 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 322640

Ion Ratio Lower Upper

122 100

107 130.7 106.2 159.4

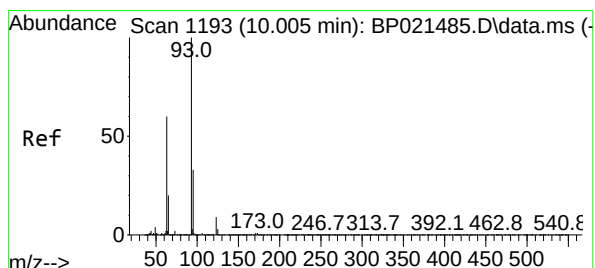
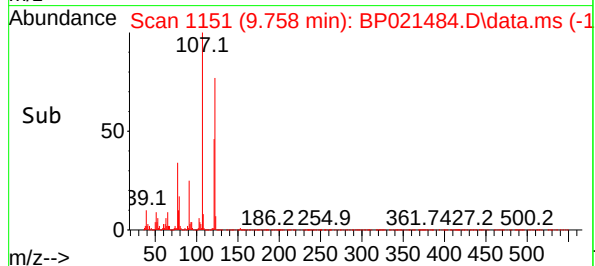
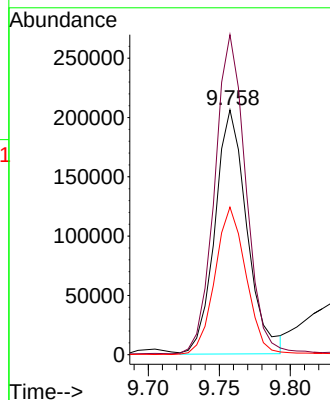
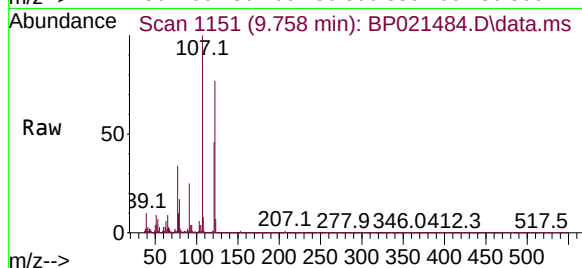
121 60.3 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 20.473 ng

RT: 9.999 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

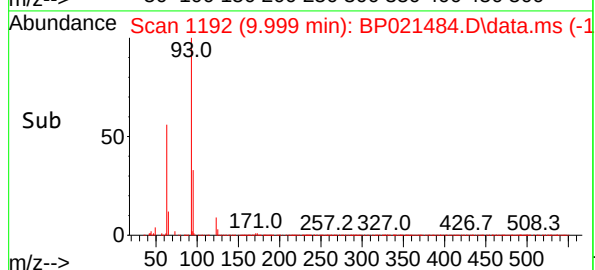
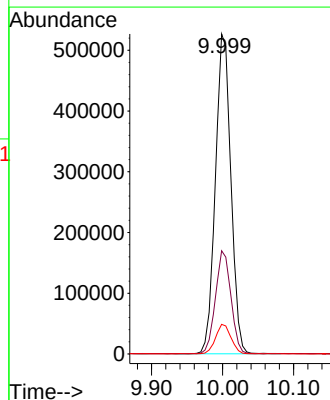
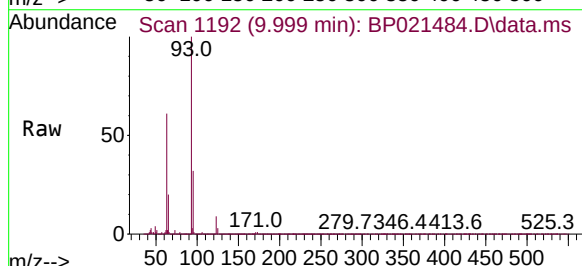
Tgt Ion: 93 Resp: 795422

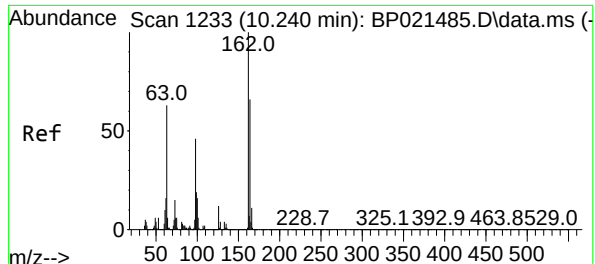
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

123 9.2 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 20.213 ng

RT: 10.234 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 375130

Ion Ratio Lower Upper

162 100

164 65.5 45.9 85.9

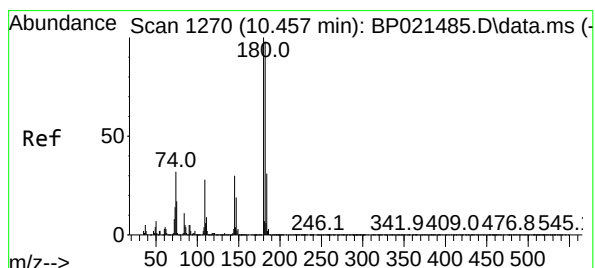
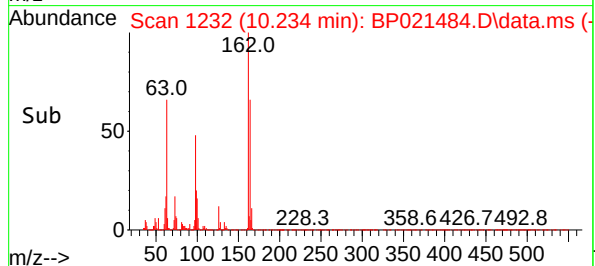
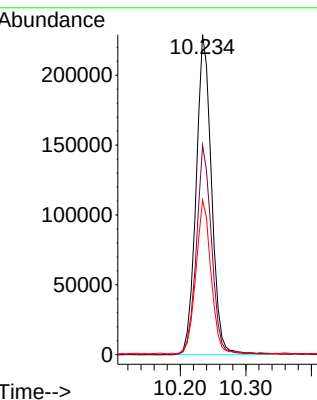
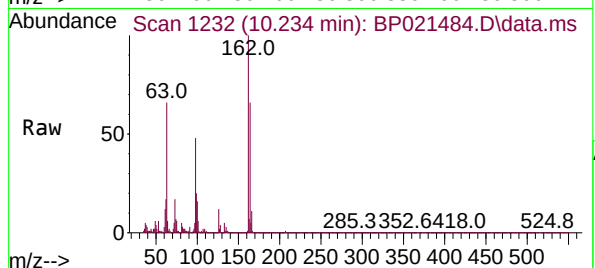
98 48.3 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#30

1,2,4-Trichlorobenzene

Concen: 20.265 ng

RT: 10.458 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

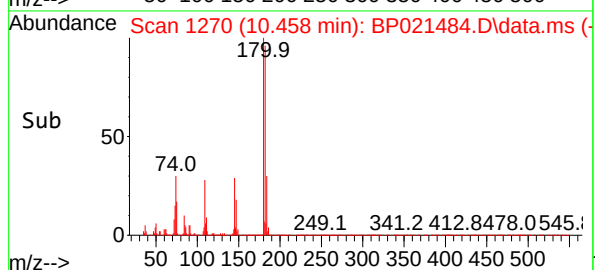
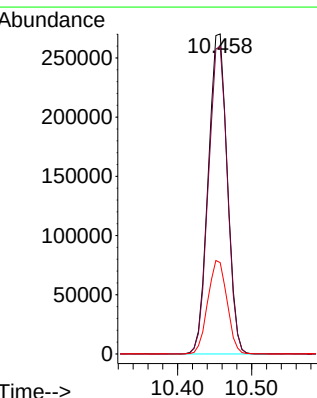
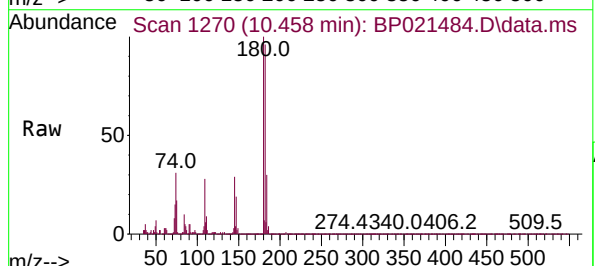
Tgt Ion:180 Resp: 482172

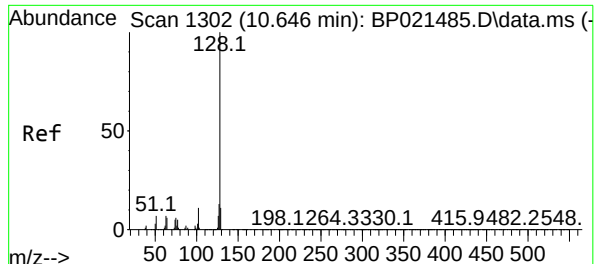
Ion Ratio Lower Upper

180 100

182 96.0 78.3 117.5

145 28.6 24.0 36.0





#31

Naphthalene

Concen: 20.550 ng

RT: 10.646 min Scan# 1165

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:128 Resp: 1492878

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

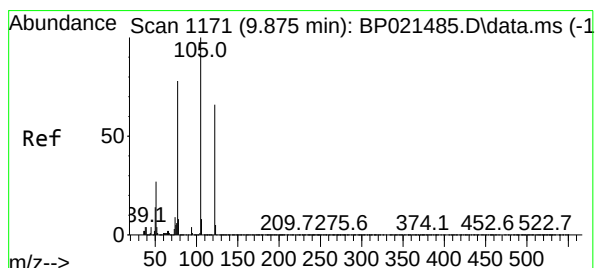
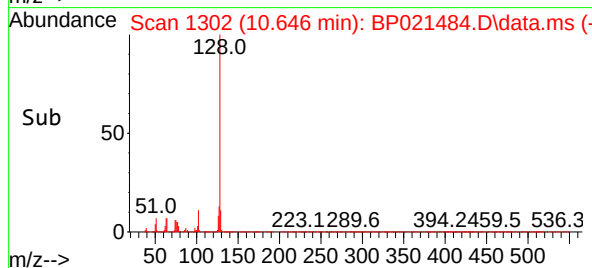
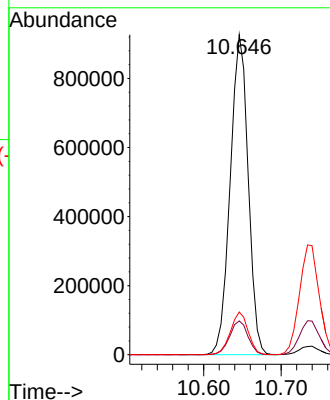
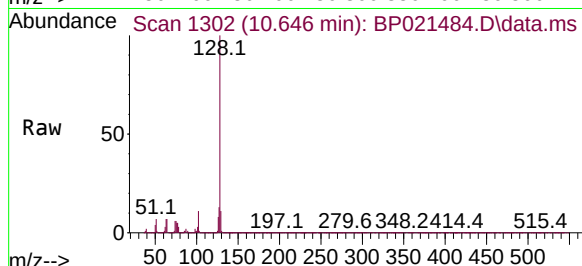
127 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#32

Benzoic acid

Concen: 19.969 ng

RT: 9.840 min Scan# 1165

Delta R.T. -0.035 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

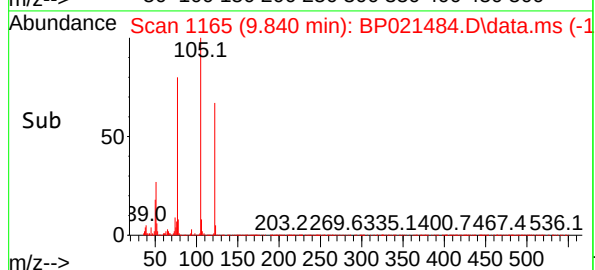
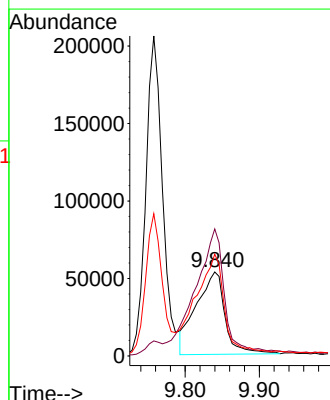
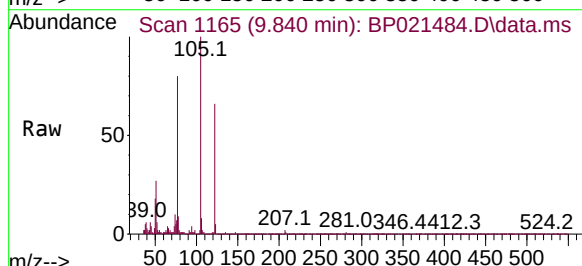
Tgt Ion:122 Resp: 144329

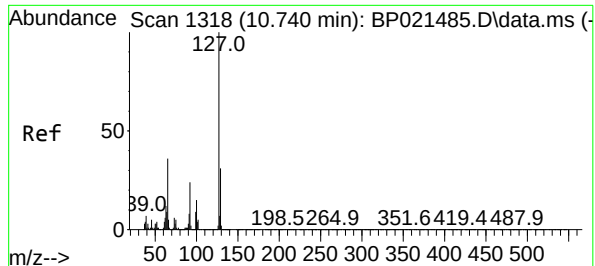
Ion Ratio Lower Upper

122 100

105 151.1 124.6 164.6

77 121.0 96.2 136.2





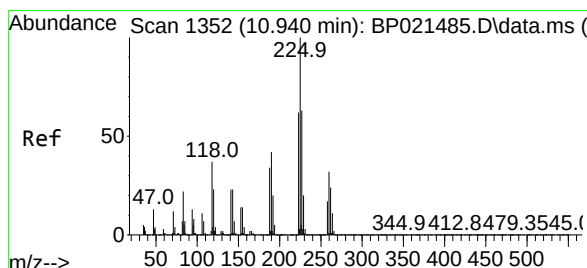
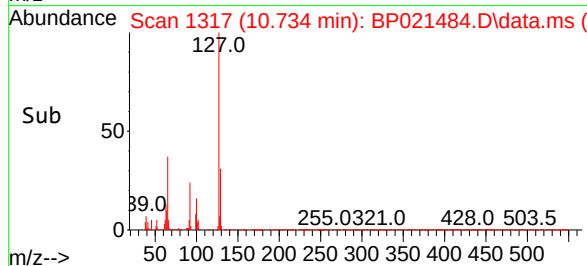
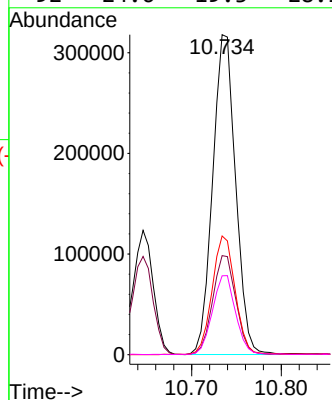
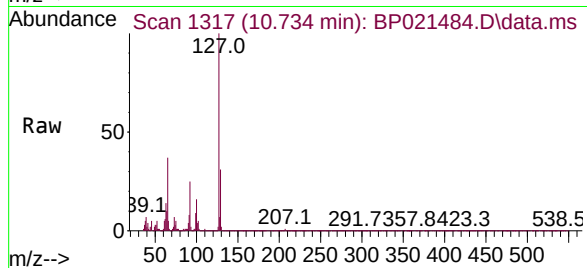
#33  
4-Chloroaniline  
Concen: 20.675 ng  
RT: 10.734 min Scan# 1317  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

Tgt Ion:127 Resp: 564170  
Ion Ratio Lower Upper  
127 100  
129 31.0 24.5 36.7  
65 37.1 28.9 43.3  
92 24.6 19.3 28.9

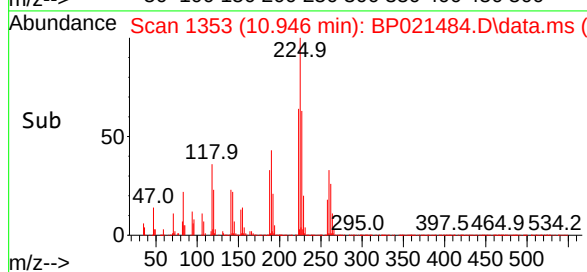
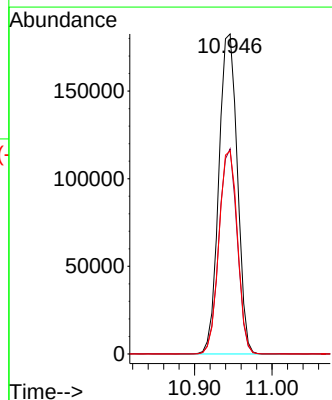
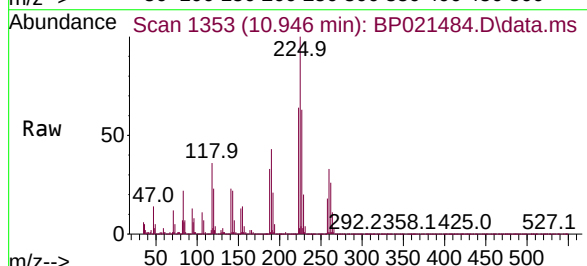
Manual Integrations  
APPROVED

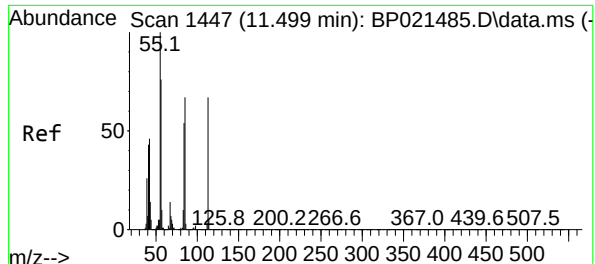
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#34  
Hexachlorobutadiene  
Concen: 20.189 ng  
RT: 10.946 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

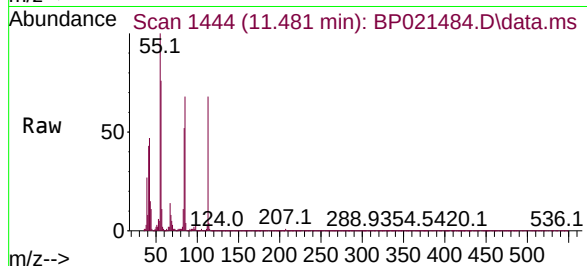
Tgt Ion:225 Resp: 302459  
Ion Ratio Lower Upper  
225 100  
223 64.1 49.6 74.4  
227 63.4 50.1 75.1





#35  
Caprolactam  
Concen: 21.189 ng  
RT: 11.481 min Scan# 1447  
Delta R.T. -0.018 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

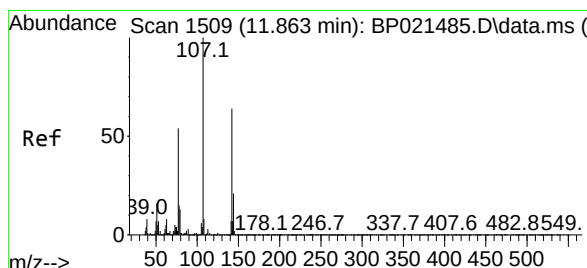
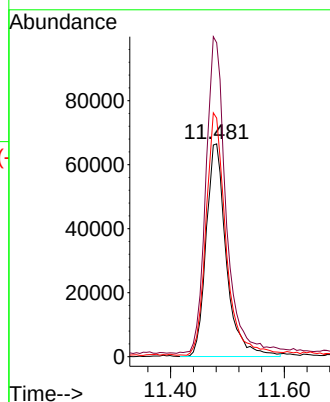
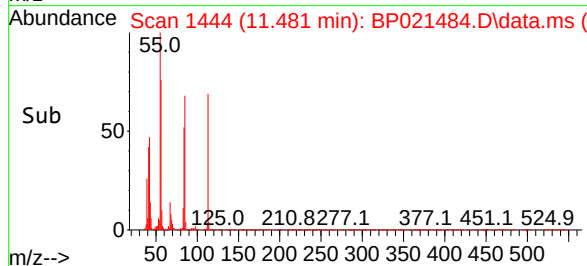
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:113 Resp: 16366  
Ion Ratio Lower Upper  
113 100  
55 147.5 130.6 170.6  
56 112.1 94.6 134.6

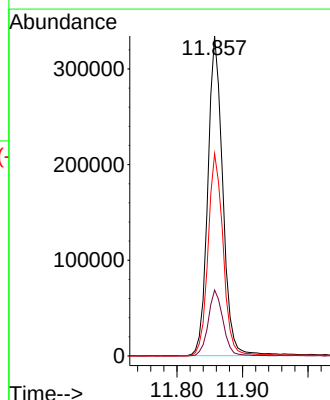
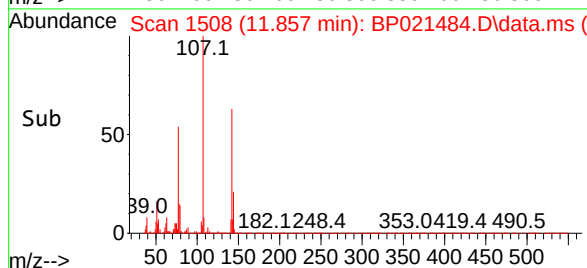
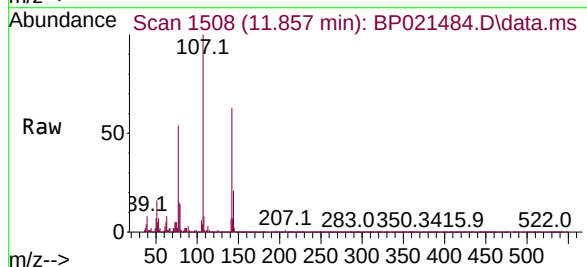
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

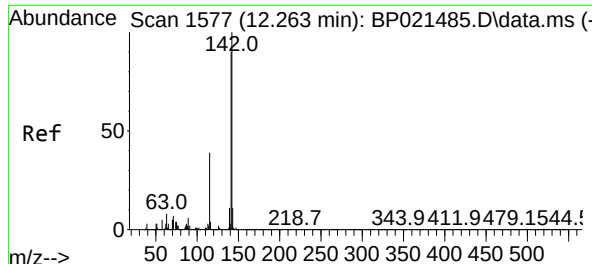


#36  
4-Chloro-3-methylphenol  
Concen: 20.628 ng  
RT: 11.857 min Scan# 1508  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 531060  
Ion Ratio Lower Upper  
107 100  
144 20.6 16.6 24.8  
142 63.2 51.0 76.4







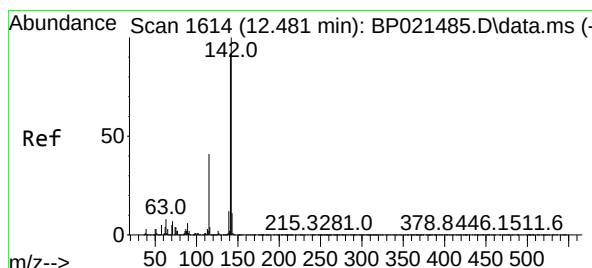
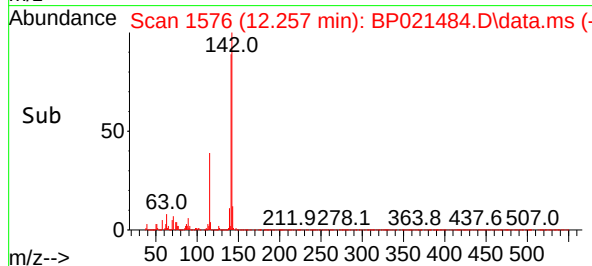
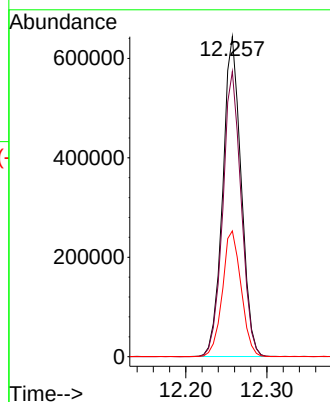
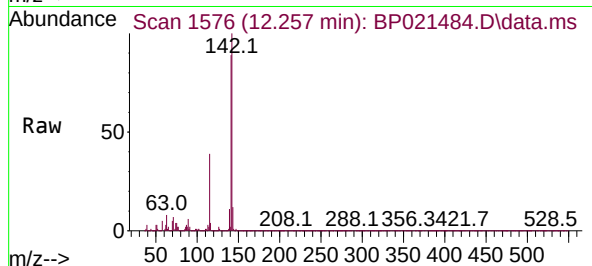
#37  
2-Methylnaphthalene  
Concen: 20.478 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

Tgt Ion:142 Resp: 1015274  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.7 107.5  
115 39.3 31.4 47.2

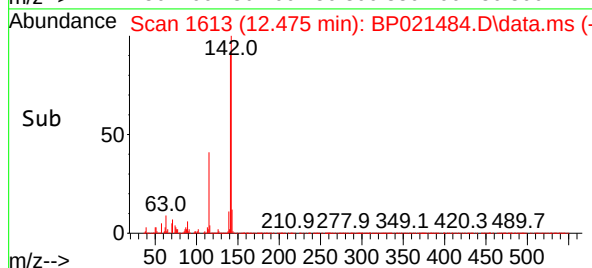
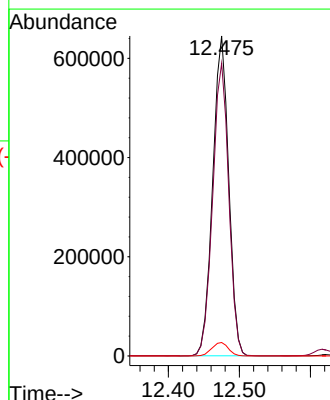
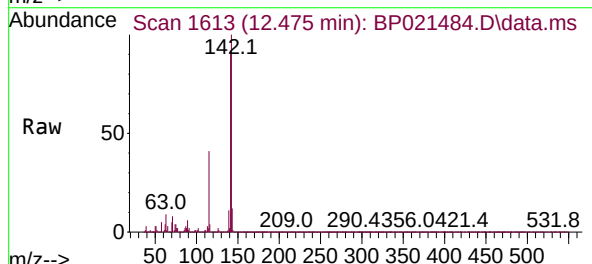
Manual Integrations  
APPROVED

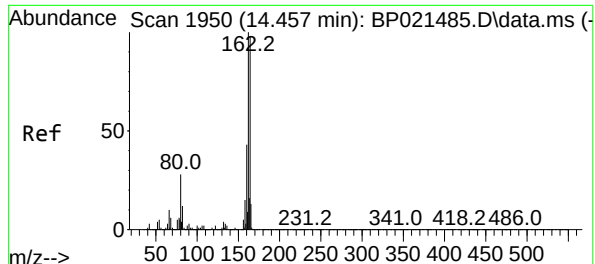
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#38  
1-Methylnaphthalene  
Concen: 20.619 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 1008222  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.5 110.3  
116 4.2 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:164 Resp: 947940

Ion Ratio Lower Upper

164 100

162 100.7 81.5 122.3

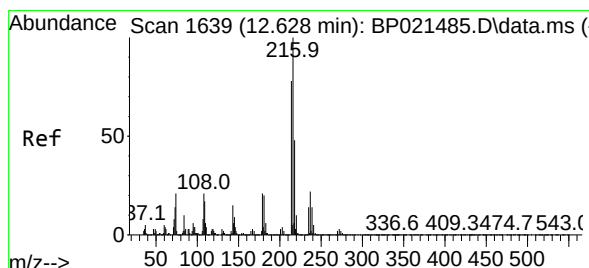
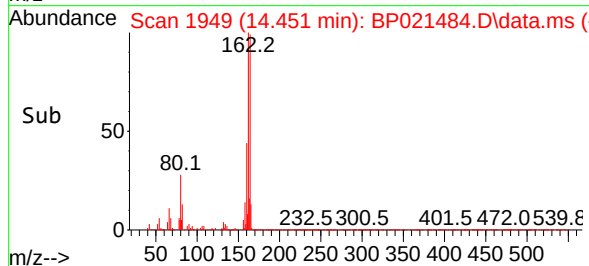
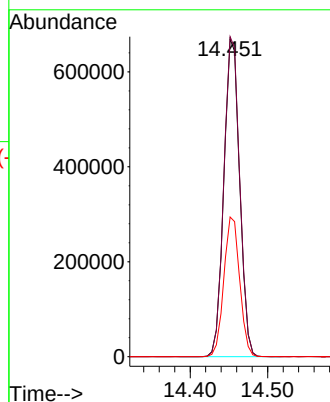
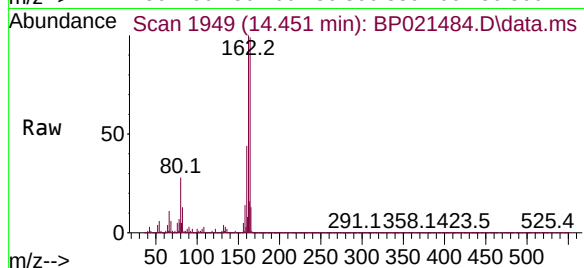
160 44.0 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.209 ng

RT: 12.628 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Tgt Ion:216 Resp: 561317

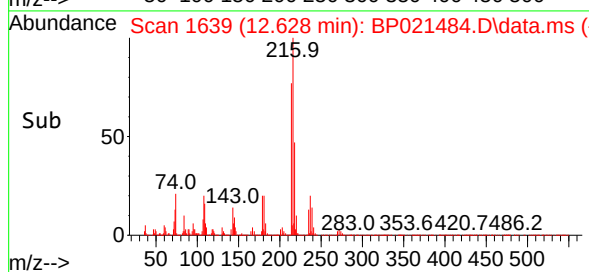
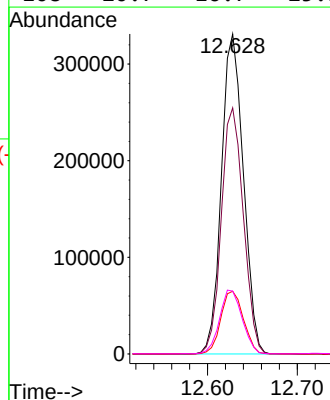
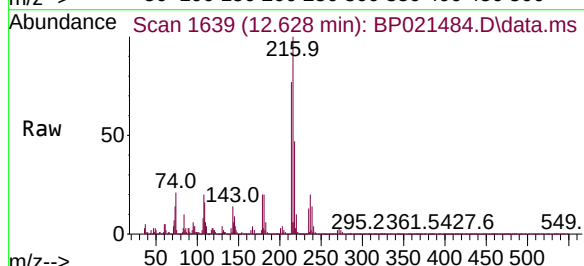
Ion Ratio Lower Upper

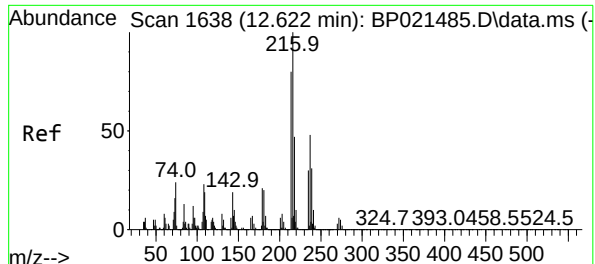
216 100

214 77.4 62.5 93.7

179 20.2 16.4 24.6

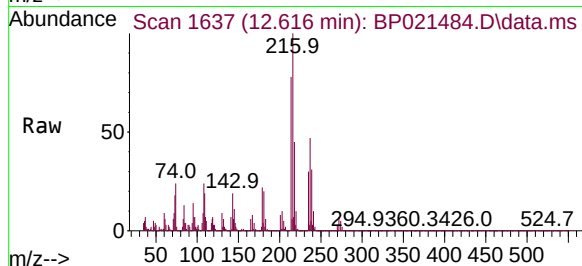
108 20.7 16.7 25.1





#41  
Hexachlorocyclopentadiene  
Concen: 18.709 ng  
RT: 12.616 min Scan# 1637  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

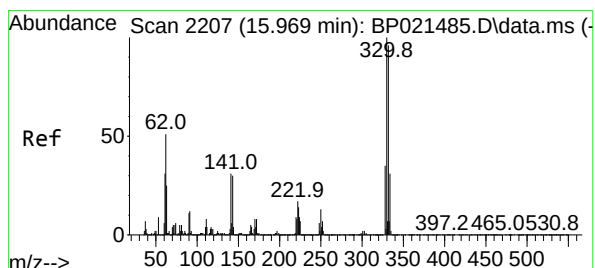
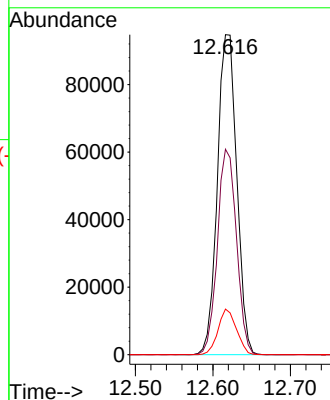
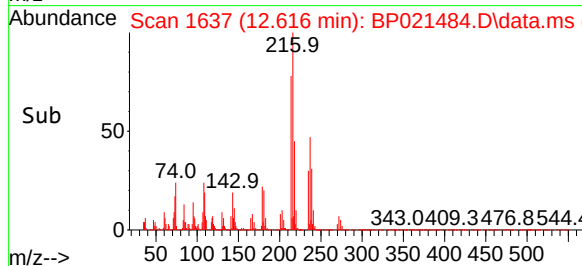
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC020



Tgt Ion: 237 Resp: 16469  
Ion Ratio Lower Upper  
237 100  
235 64.2 43.9 83.9  
272 14.2 0.0 33.3

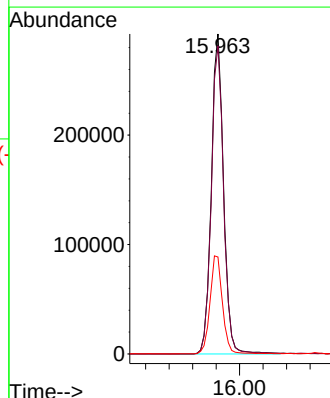
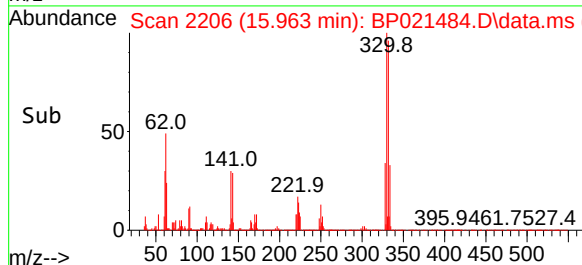
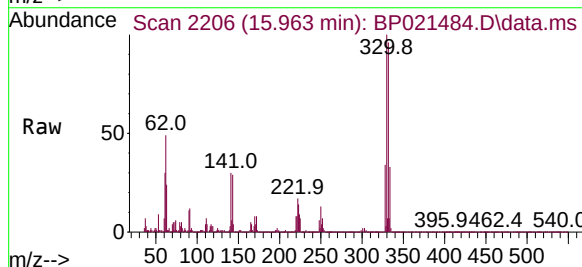
Manual Integrations  
APPROVED

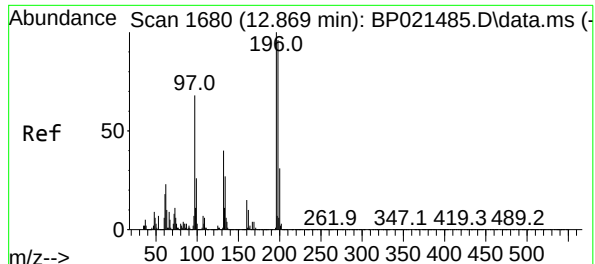
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#42  
2,4,6-Tribromophenol  
Concen: 39.955 ng  
RT: 15.963 min Scan# 2206  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 330 Resp: 421534  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.4 116.0  
141 31.2 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 19.562 ng

RT: 12.863 min Scan# 1679

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:196 Resp: 301820

Ion Ratio Lower Upper

196 100

198 96.8 76.6 114.8

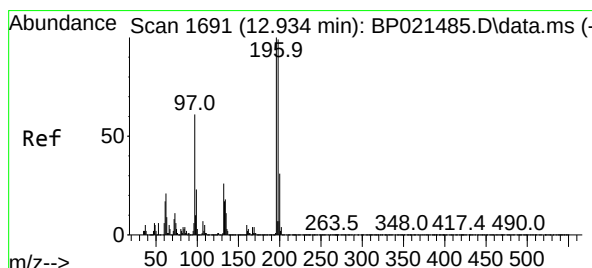
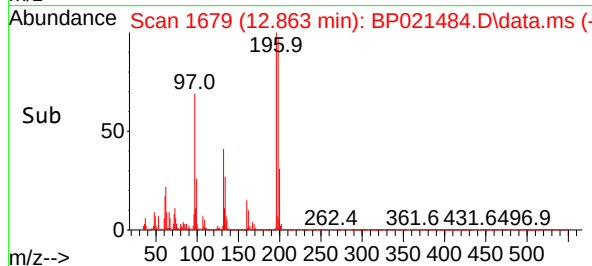
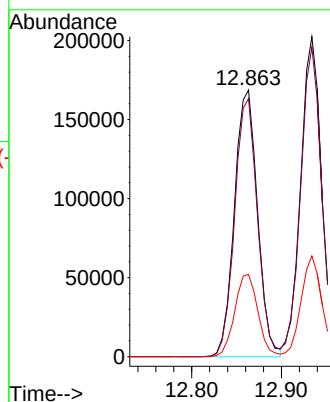
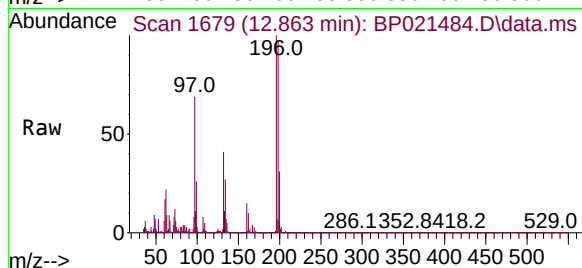
200 30.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 19.897 ng

RT: 12.934 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 341066

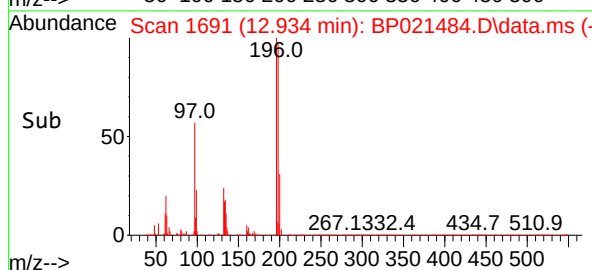
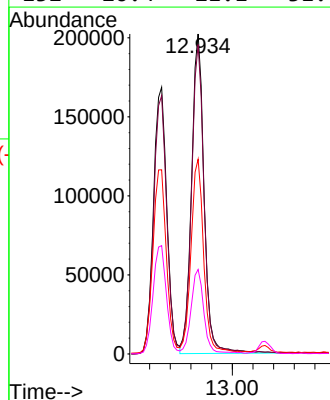
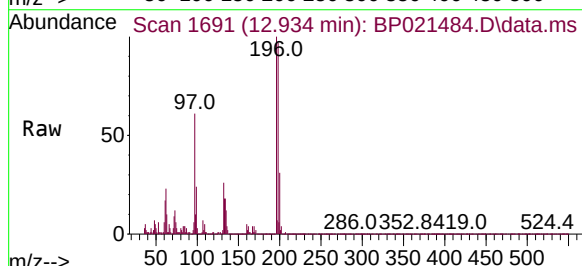
Ion Ratio Lower Upper

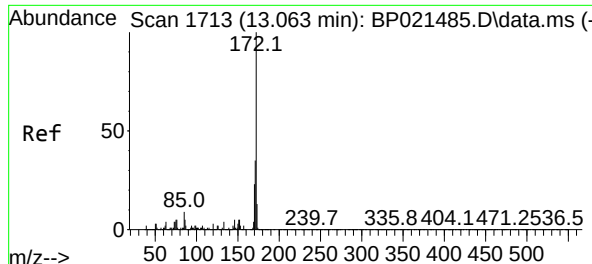
196 100

198 96.7 78.9 118.3

97 60.8 49.4 74.0

132 26.4 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 40.758 ng

RT: 13.063 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:172 Resp: 253160

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

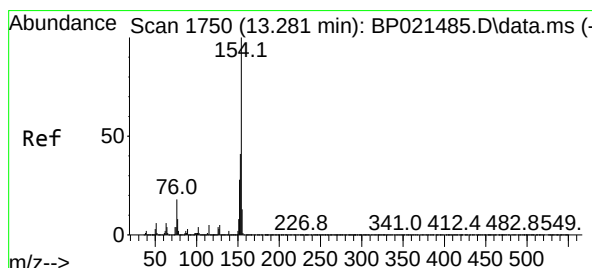
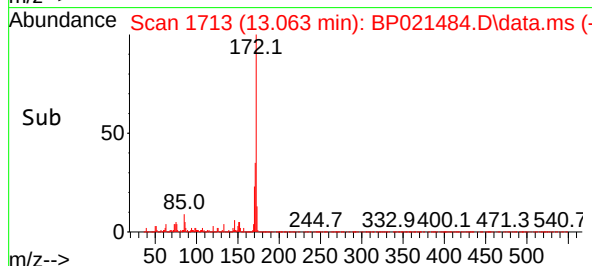
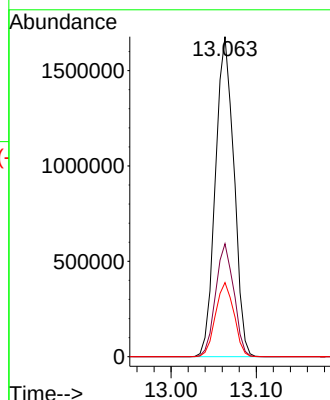
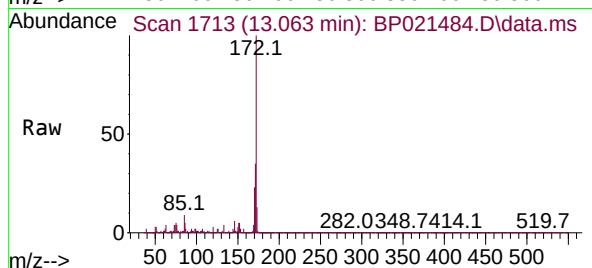
170 23.1 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#46

1,1'-Biphenyl

Concen: 20.263 ng

RT: 13.281 min Scan# 1750

Delta R.T. -0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

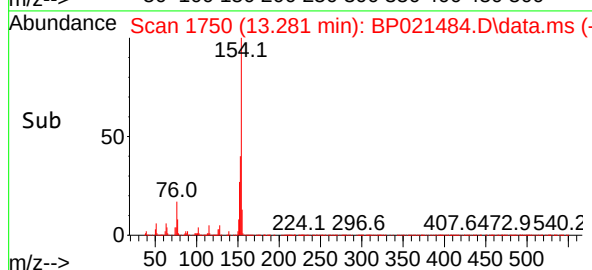
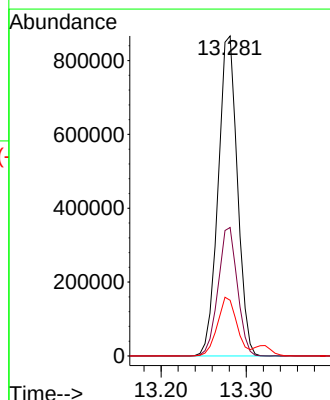
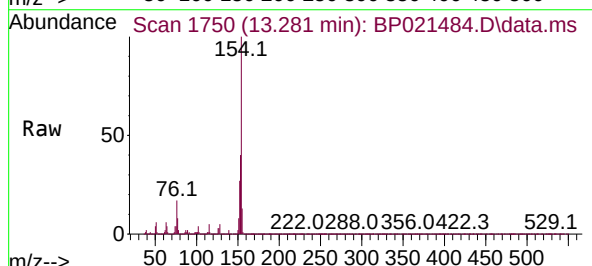
Tgt Ion:154 Resp: 1359024

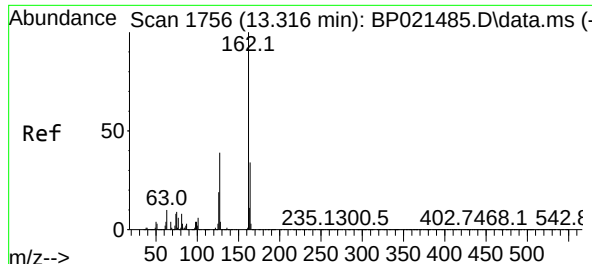
Ion Ratio Lower Upper

154 100

153 40.1 20.7 60.7

76 17.4 0.0 37.7





#47

2-Chloronaphthalene

Concen: 20.282 ng

RT: 13.322 min Scan# 1757

Delta R.T. 0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 1058999

Ion Ratio Lower Upper

162 100

127 40.5 31.9 47.9

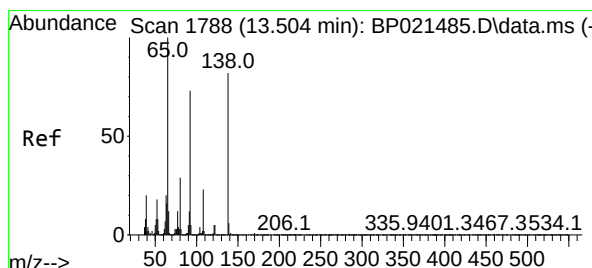
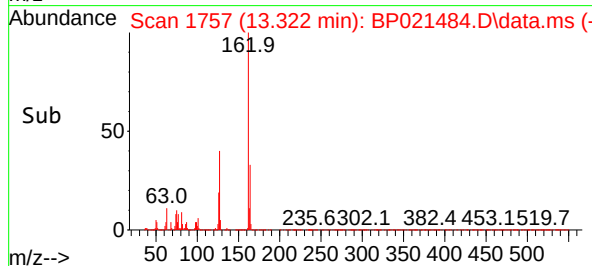
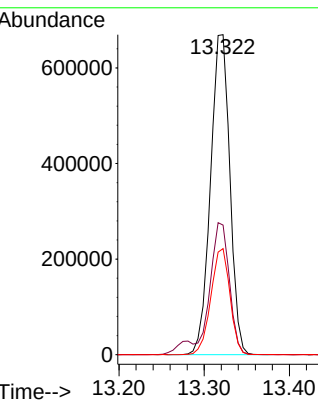
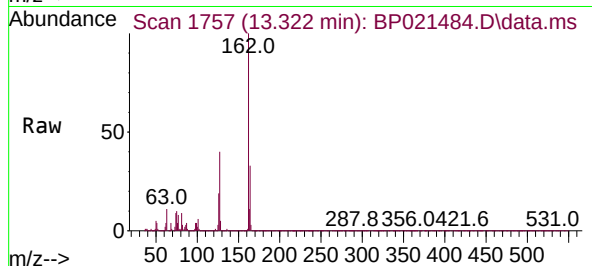
164 33.2 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 18.481 ng

RT: 13.504 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

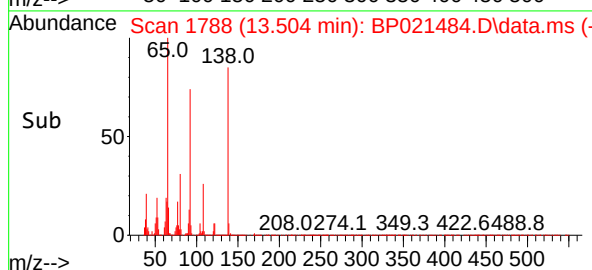
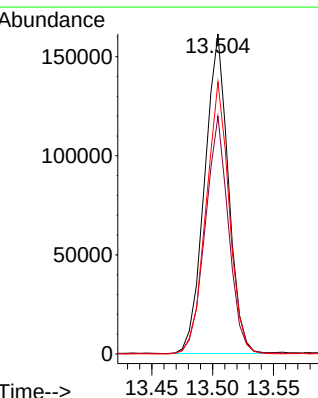
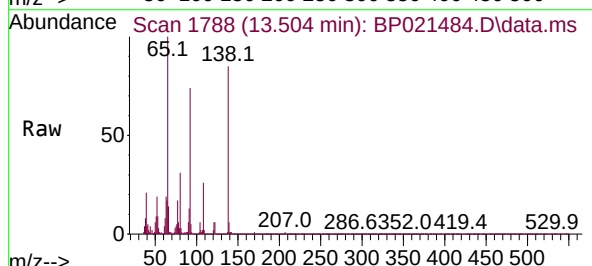
Tgt Ion: 65 Resp: 218570

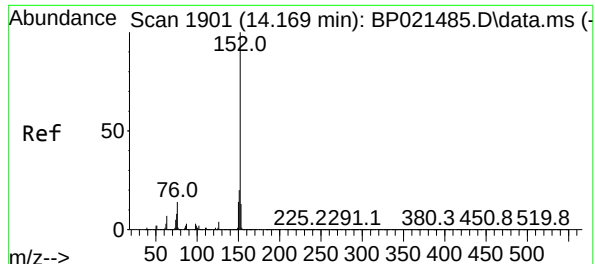
Ion Ratio Lower Upper

65 100

92 74.3 58.1 87.1

138 85.1 65.5 98.3





#49

Acenaphthylene

Concen: 20.468 ng

RT: 14.169 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 1571109

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

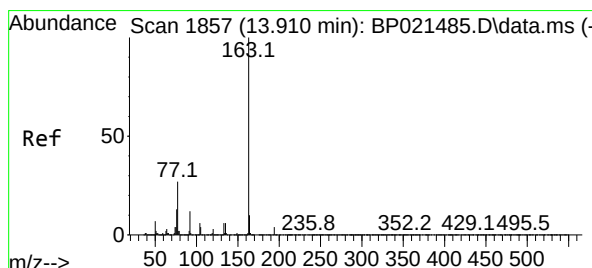
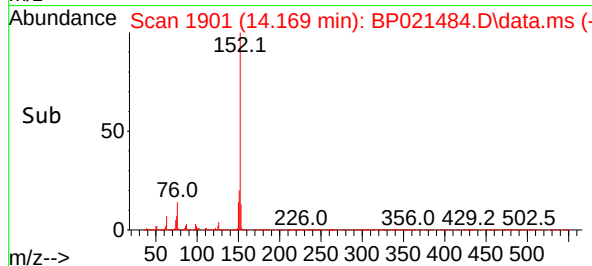
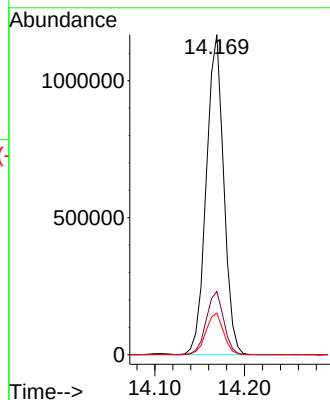
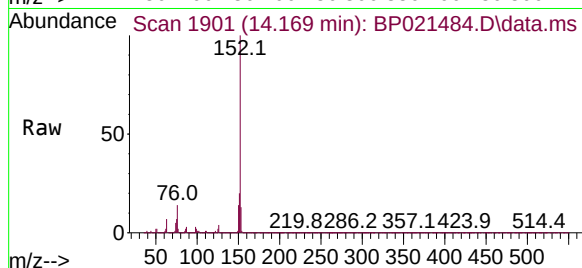
153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 20.442 ng

RT: 13.904 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

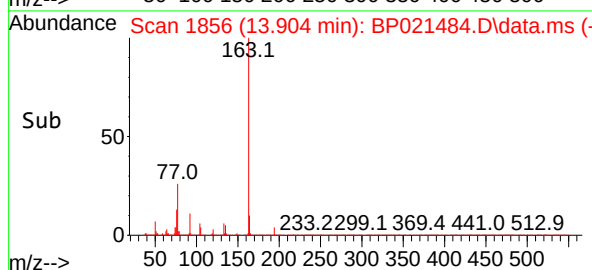
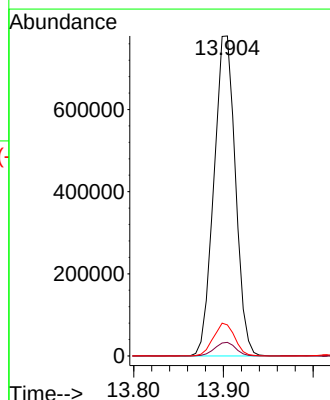
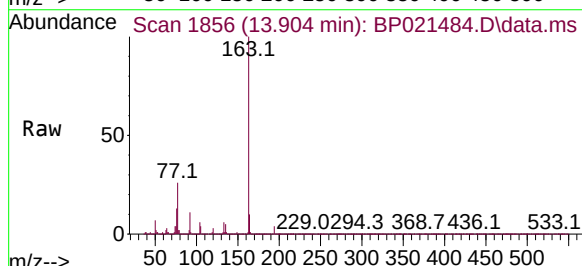
Tgt Ion:163 Resp: 1297733

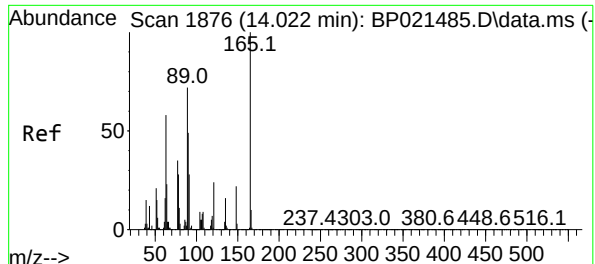
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

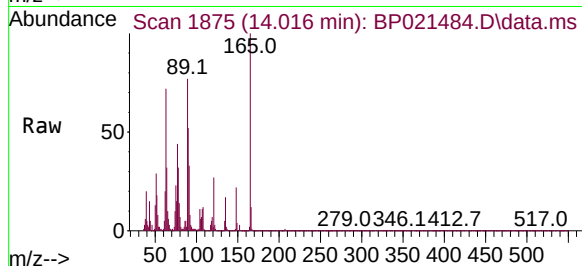
164 9.7 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 19.423 ng  
RT: 14.016 min Scan# 1875  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

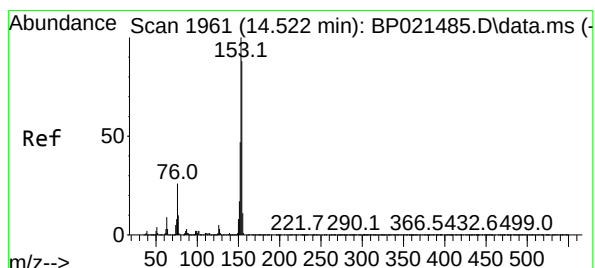
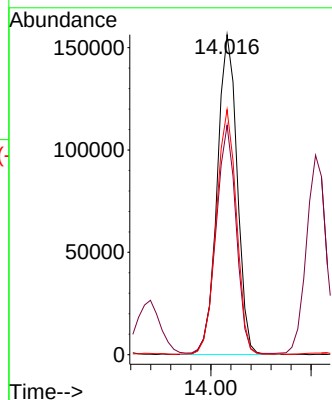
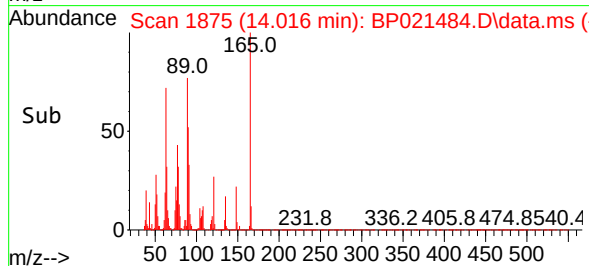
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:165 Resp: 21561  
Ion Ratio Lower Upper  
165 100  
63 71.7 51.5 77.3  
89 76.6 57.8 86.8

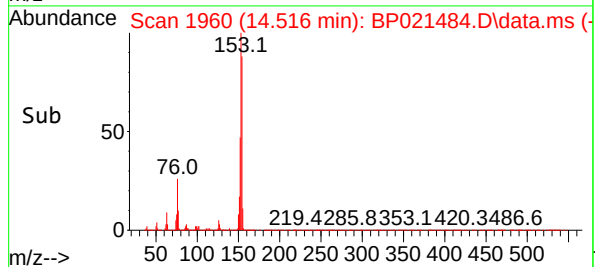
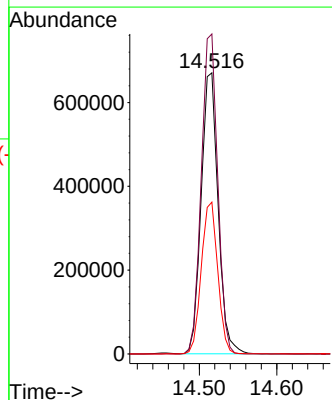
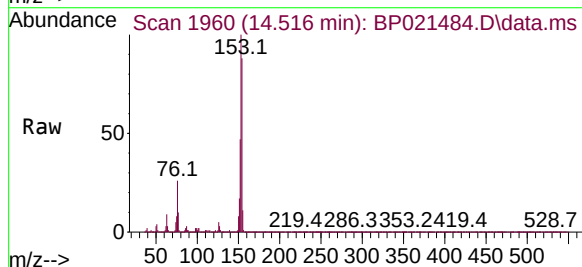
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

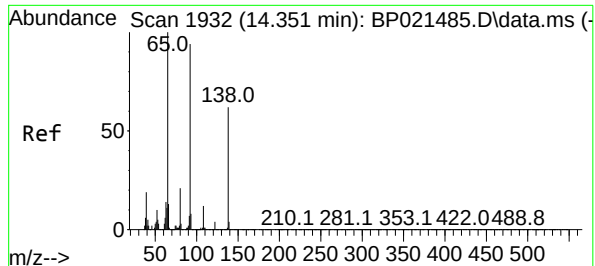


#52  
Acenaphthene  
Concen: 20.223 ng  
RT: 14.516 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1018510  
Ion Ratio Lower Upper  
154 100  
153 113.8 91.1 136.7  
152 54.0 43.0 64.4

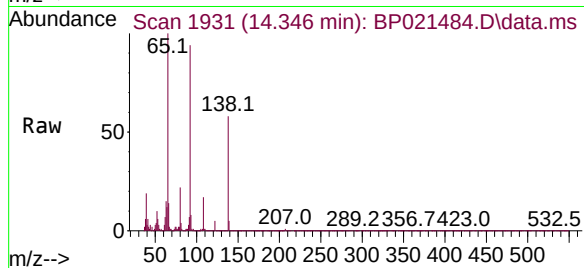






#53  
3-Nitroaniline  
Concen: 19.232 ng  
RT: 14.346 min Scan# 1932  
Delta R.T. -0.005 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

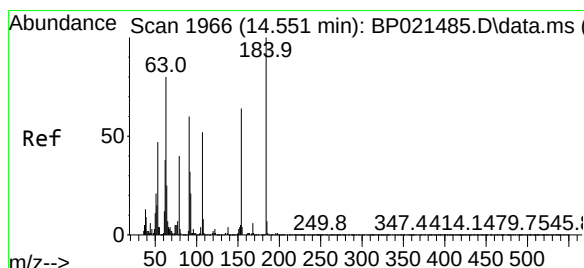
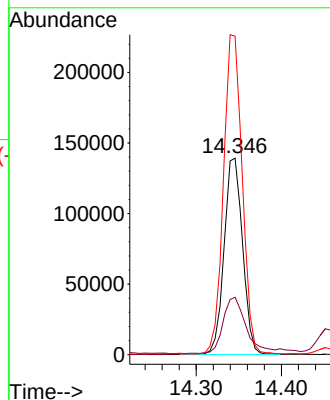
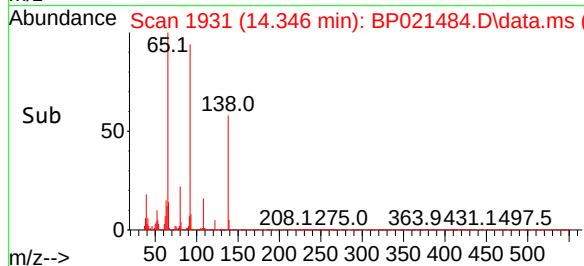
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:138 Resp: 209499  
Ion Ratio Lower Upper  
138 100  
108 29.2 16.2 24.4  
92 162.2 122.2 183.4

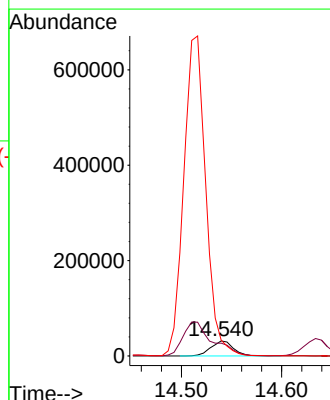
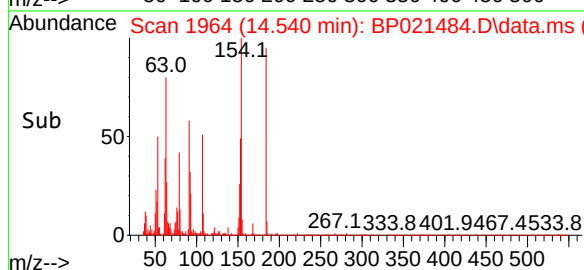
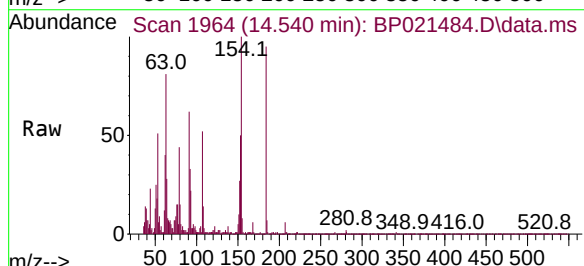
Manual Integrations  
APPROVED

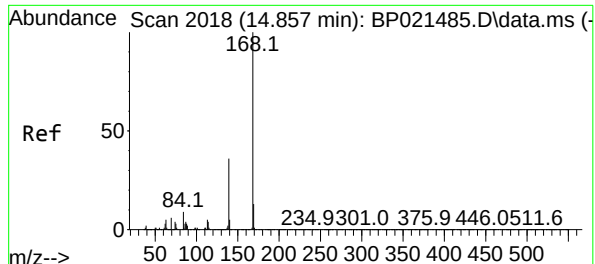
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#54  
2,4-Dinitrophenol  
Concen: 19.714 ng  
RT: 14.540 min Scan# 1964  
Delta R.T. -0.011 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 49171  
Ion Ratio Lower Upper  
184 100  
63 85.8 64.9 97.3  
154 105.7 52.1 78.1#





#55

Dibenzenofuran

Concen: 20.515 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 158941

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

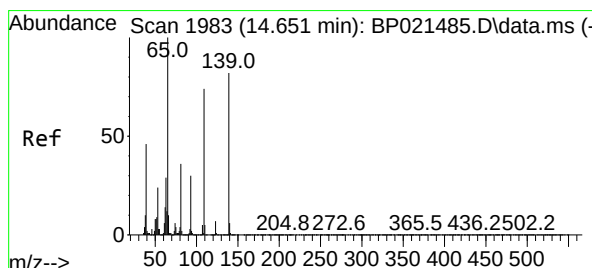
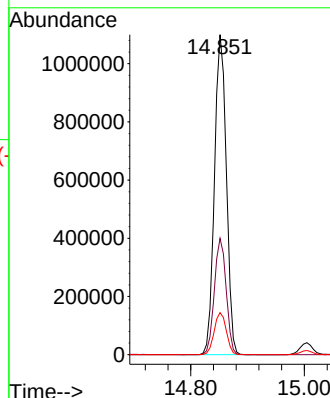
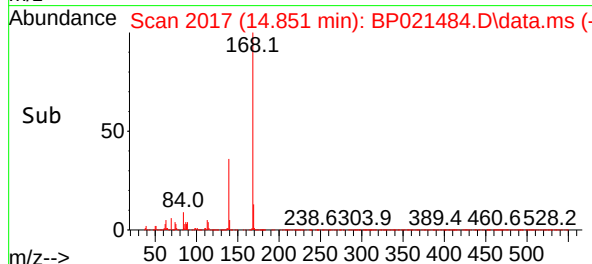
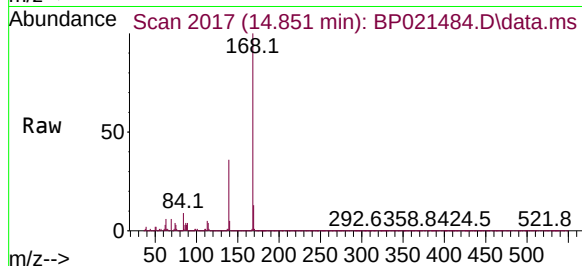
169 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#56

4-Nitrophenol

Concen: 20.016 ng

RT: 14.634 min Scan# 1980

Delta R.T. -0.017 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

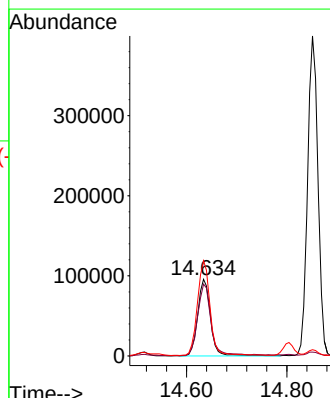
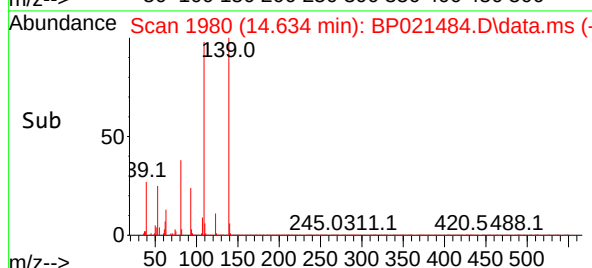
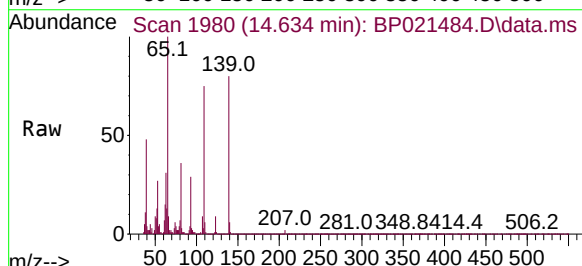
Tgt Ion:139 Resp: 167932

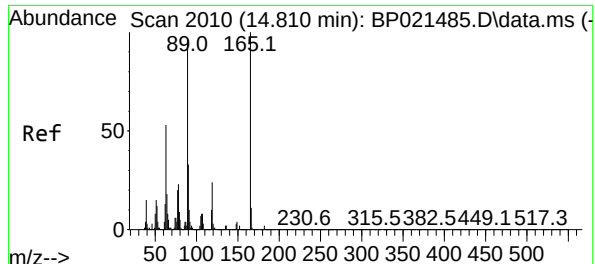
Ion Ratio Lower Upper

139 100

109 93.8 70.2 110.2

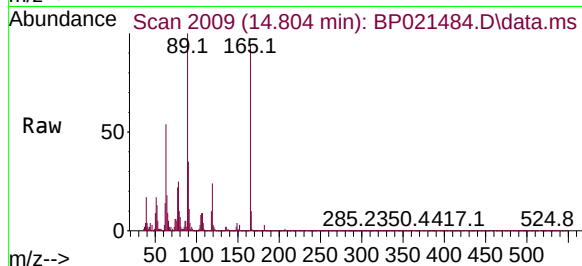
65 124.4 101.8 141.8





#57  
2,4-Dinitrotoluene  
Concen: 18.676 ng  
RT: 14.804 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

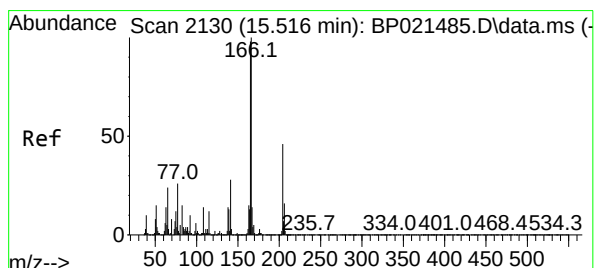
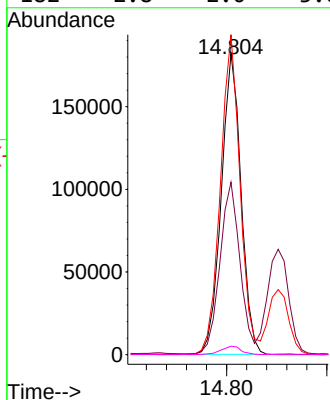
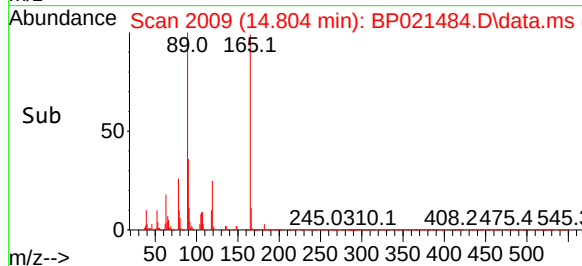
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:165 Resp: 248400  
Ion Ratio Lower Upper  
165 100  
63 57.3 42.5 63.7  
89 106.3 77.1 115.7  
182 2.8 2.0 3.0

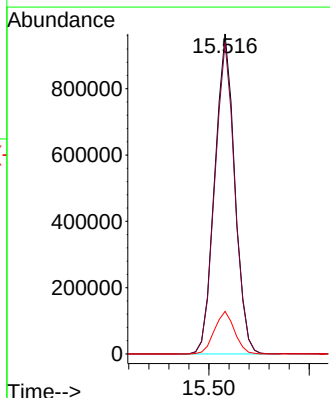
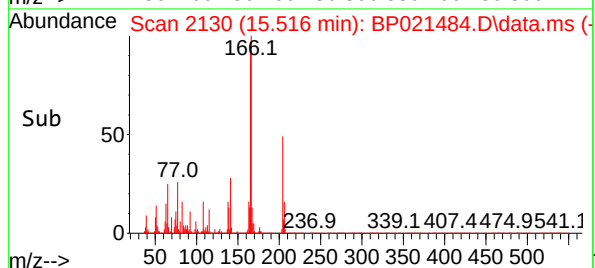
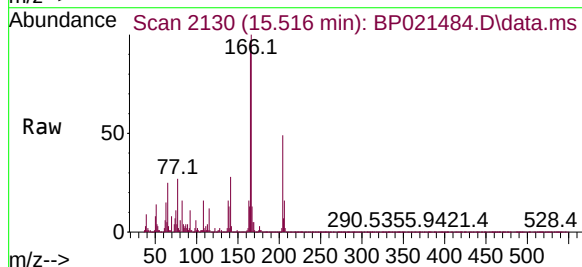
Manual Integrations  
APPROVED

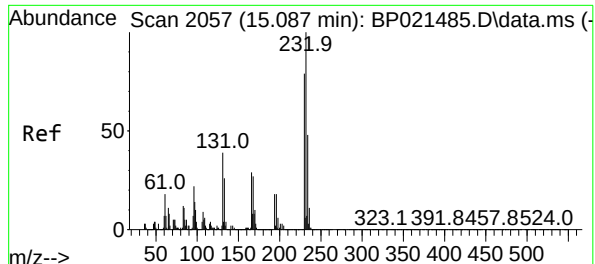
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#58  
Fluorene  
Concen: 20.975 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:166 Resp: 1334998  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.1 117.1  
167 13.3 11.0 16.4





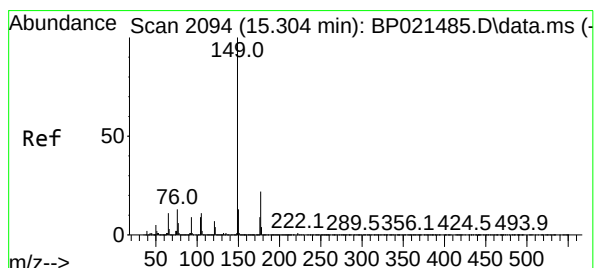
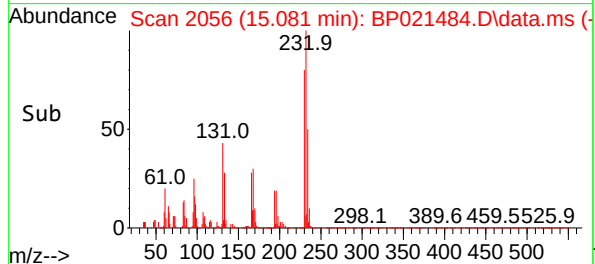
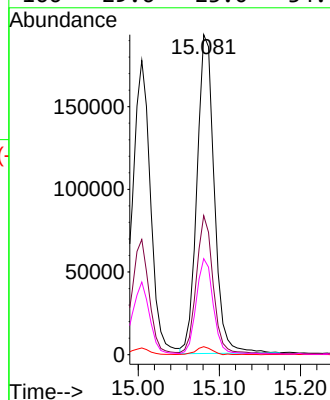
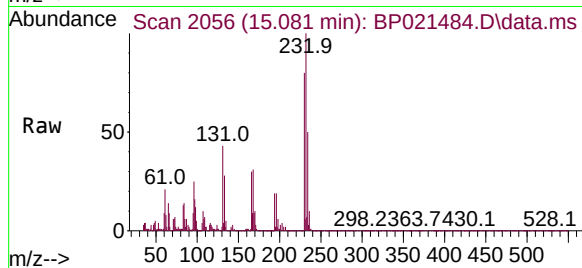
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 19.679 ng  
RT: 15.081 min Scan# 2056  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

Tgt Ion:232 Resp: 286320  
Ion Ratio Lower Upper  
232 100  
131 42.6 33.1 49.7  
130 2.3 1.7 2.5  
166 29.6 23.0 34.4

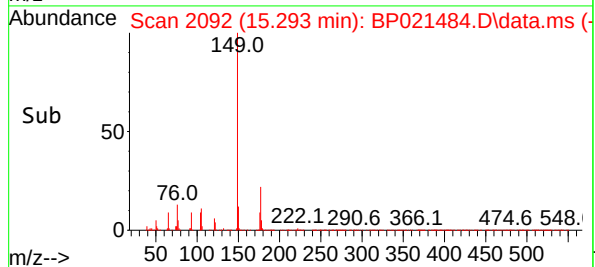
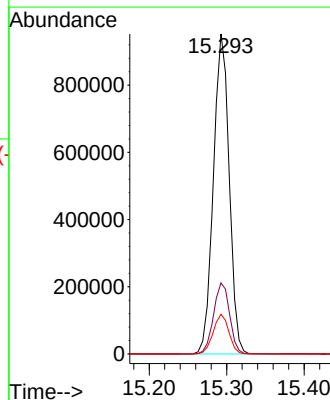
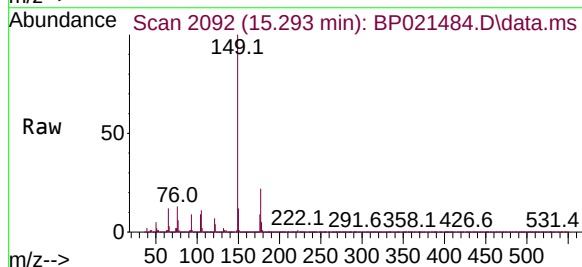
Manual Integrations  
APPROVED

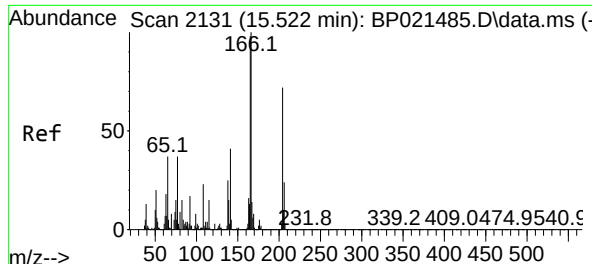
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#60  
Diethylphthalate  
Concen: 20.773 ng  
RT: 15.293 min Scan# 2092  
Delta R.T. -0.012 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

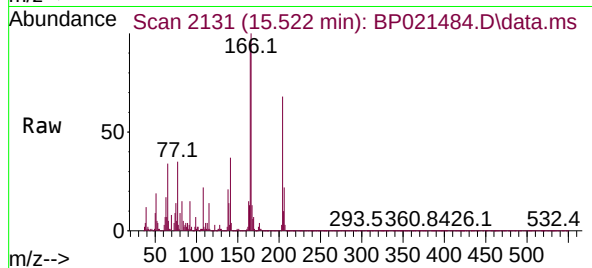
Tgt Ion:149 Resp: 1353063  
Ion Ratio Lower Upper  
149 100  
177 22.2 17.8 26.8  
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 20.699 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

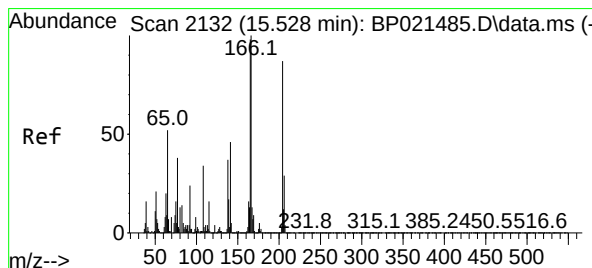
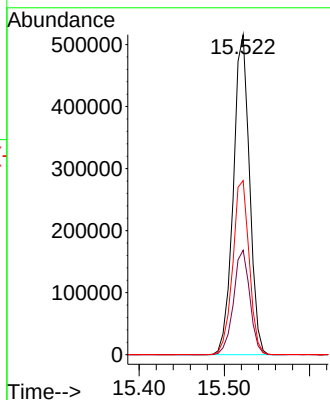
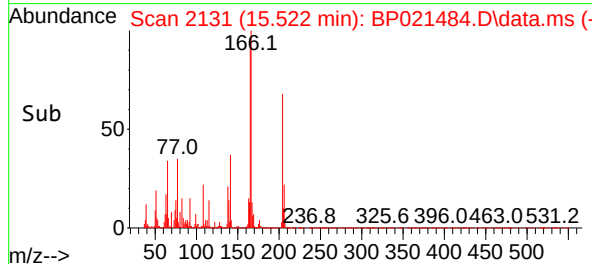
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 204 Resp: 68098  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.4 39.6  
141 54.4 46.1 69.1

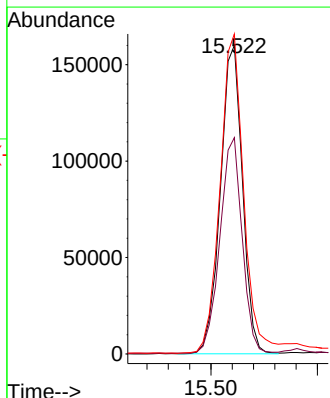
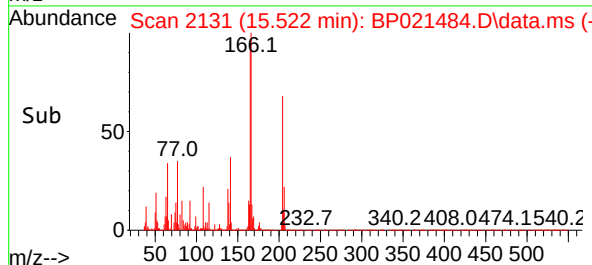
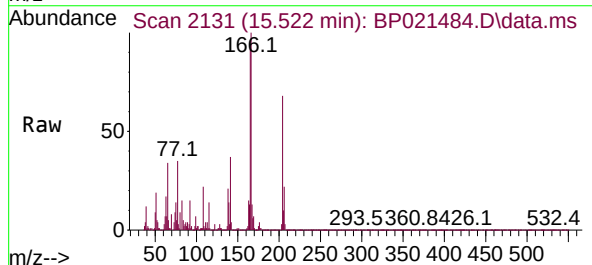
Manual Integrations  
APPROVED

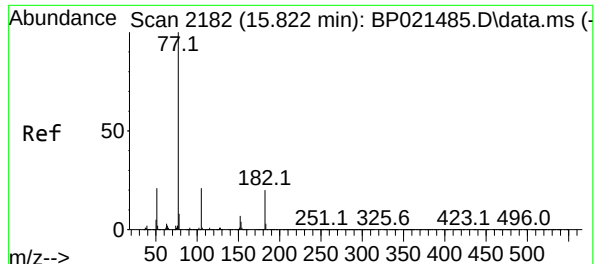
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#62  
4-Nitroaniline  
Concen: 19.603 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

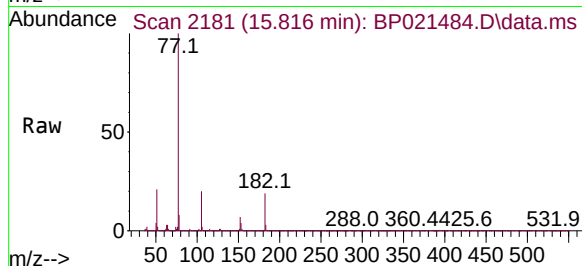
Tgt Ion: 138 Resp: 229769  
Ion Ratio Lower Upper  
138 100  
92 70.1 46.4 86.4  
108 103.7 73.2 113.2





#63  
Azobenzene  
Concen: 21.052 ng  
RT: 15.816 min Scan# 2182  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

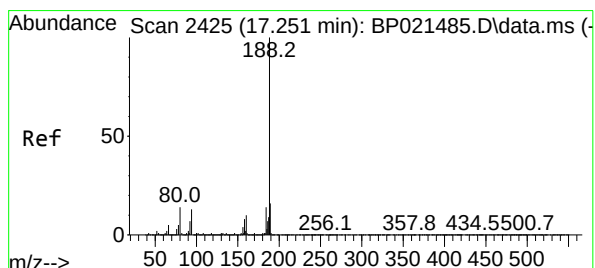
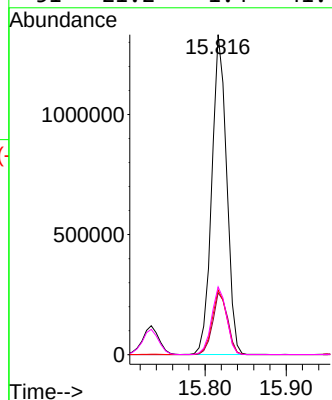
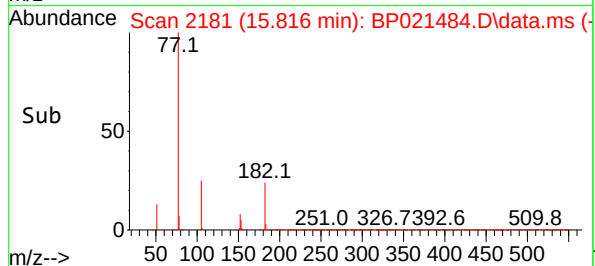
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 77 Resp: 168560  
Ion Ratio Lower Upper  
77 100  
182 19.3 0.0 39.9  
105 20.3 0.9 40.9  
51 21.2 1.4 41.4

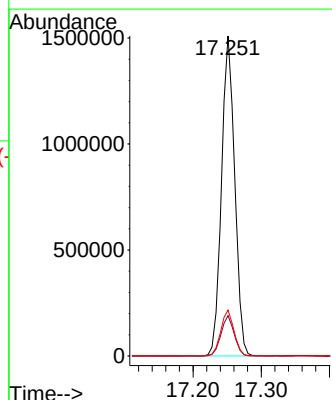
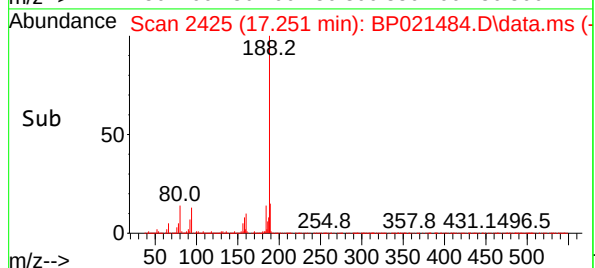
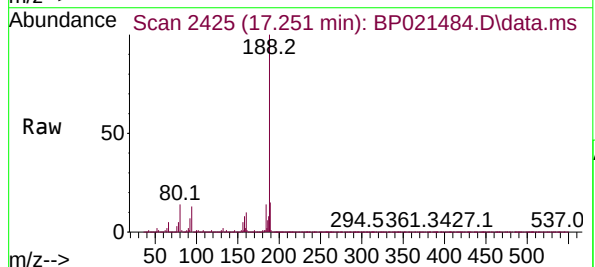
Manual Integrations  
APPROVED

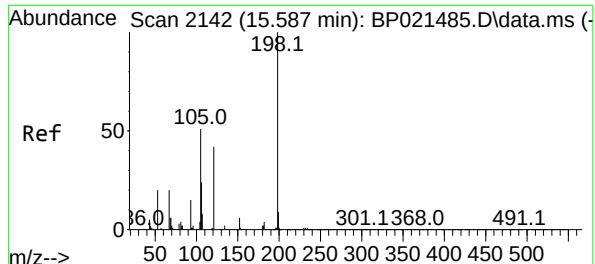
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.251 min Scan# 2425  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:188 Resp: 2036378  
Ion Ratio Lower Upper  
188 100  
94 12.6 10.2 15.4  
80 14.4 11.6 17.4





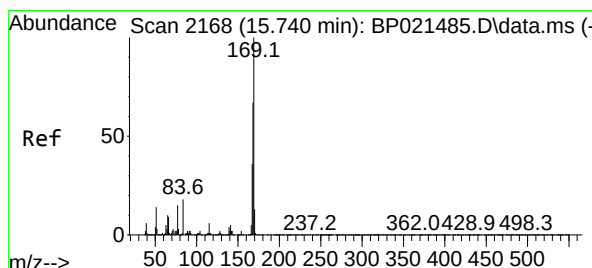
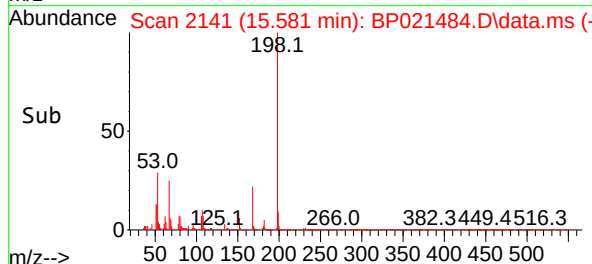
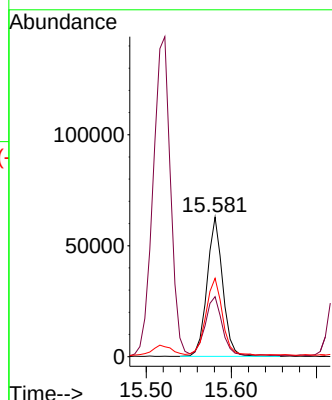
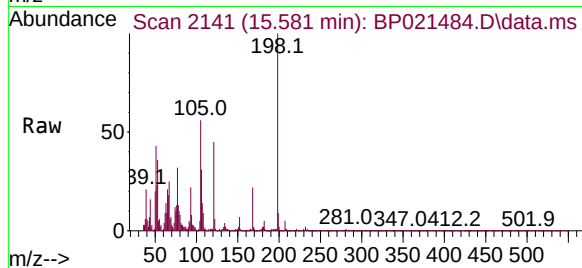
#65  
4,6-Dinitro-2-methylphenol  
Concen: 19.364 ng  
RT: 15.581 min Scan# 2142  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 43.0  | 21.5  | 61.5  |
| 105     | 56.2  | 32.9  | 72.9  |

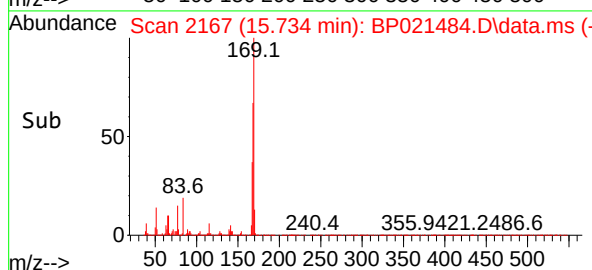
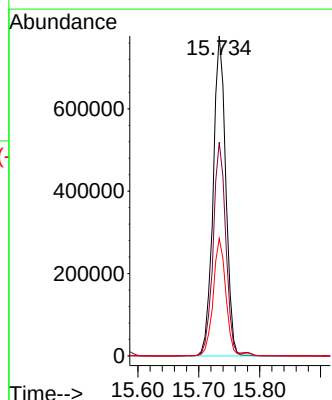
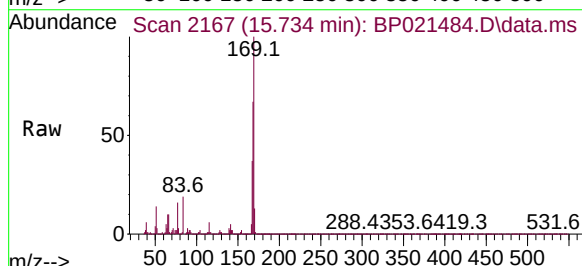
Manual Integrations  
APPROVED

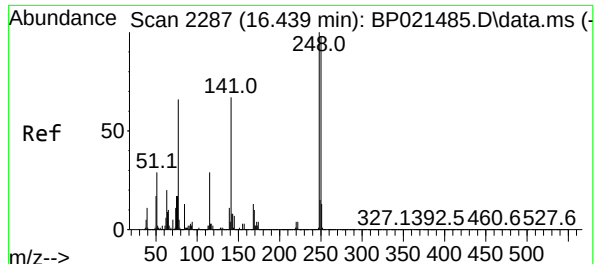
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#66  
n-Nitrosodiphenylamine  
Concen: 20.488 ng  
RT: 15.734 min Scan# 2167  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 66.8  | 53.4  | 80.2  |
| 167     | 36.7  | 28.7  | 43.1  |





#67

4-Bromophenyl-phenylether

Concen: 20.052 ng

RT: 16.434 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:248 Resp: 43216

Ion Ratio Lower Upper

248 100

250 97.7 78.6 117.8

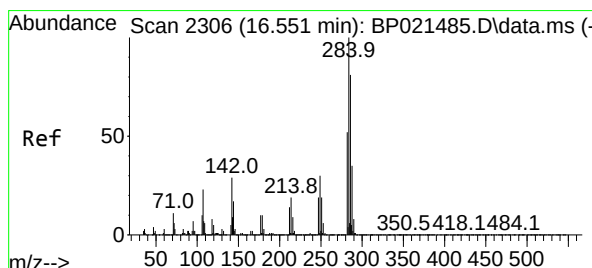
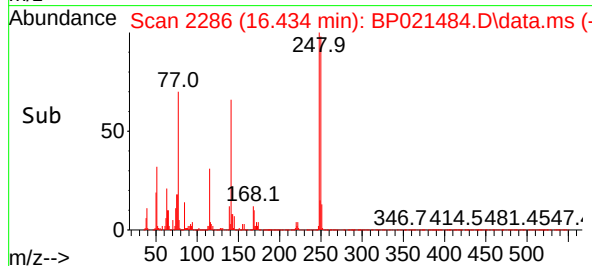
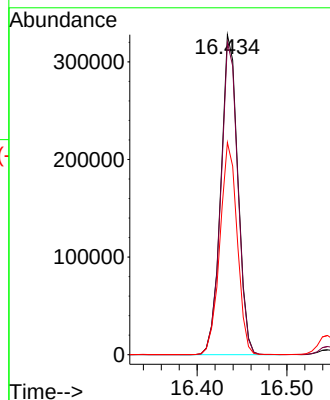
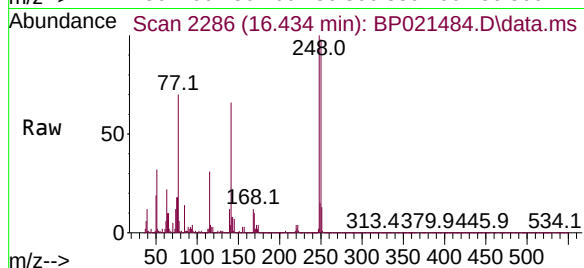
141 66.3 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 20.002 ng

RT: 16.545 min Scan# 2305

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

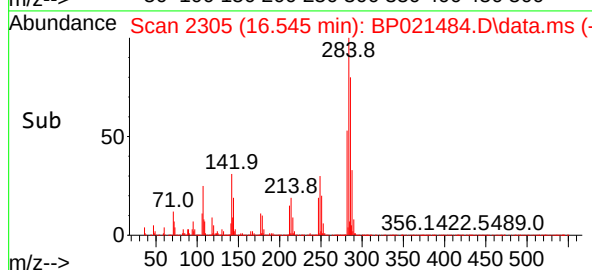
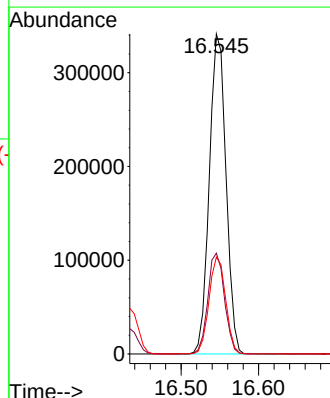
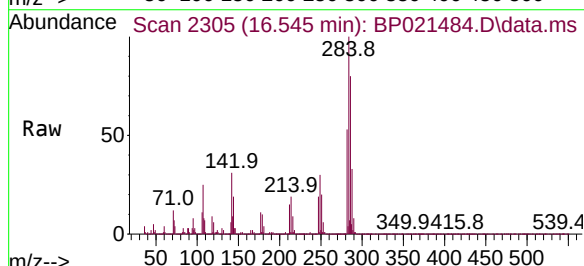
Tgt Ion:284 Resp: 509441

Ion Ratio Lower Upper

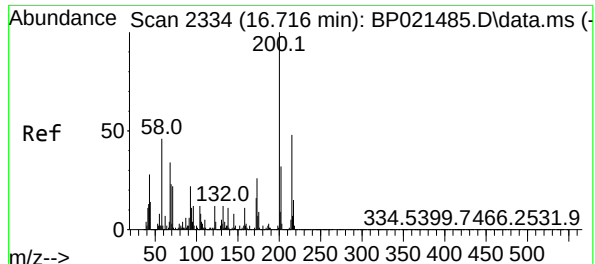
284 100

142 31.5 23.4 35.2

249 30.3 24.1 36.1







#69

Atrazine

Concen: 21.266 ng

RT: 16.710 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

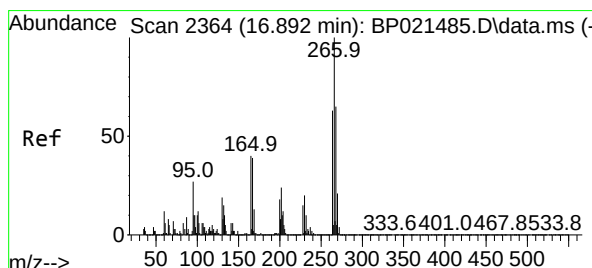
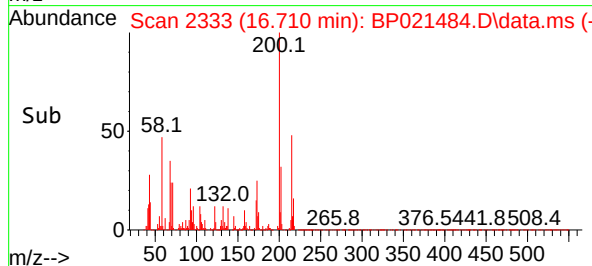
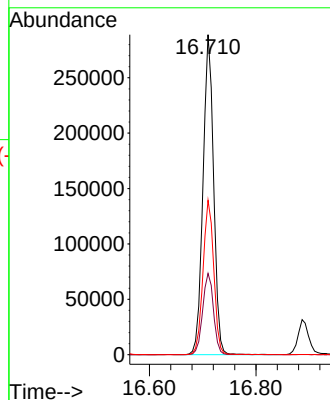
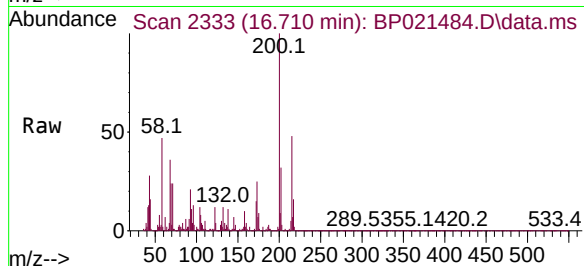
Tgt Ion:200 Resp: 39844

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 25.4  | 6.2   | 46.2  |
| 215 | 48.3  | 28.4  | 68.4  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 18.381 ng

RT: 16.892 min Scan# 2364

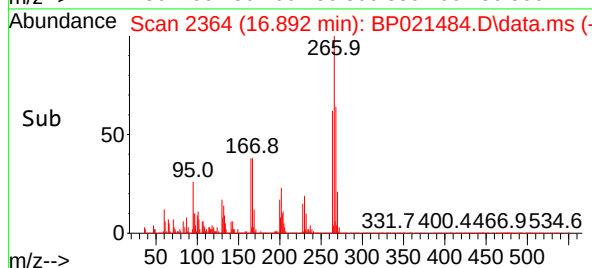
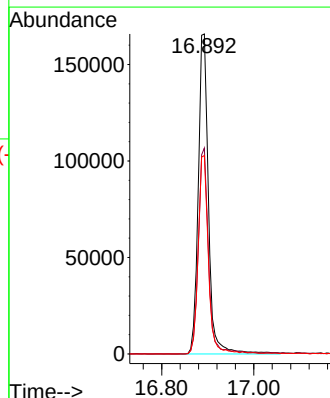
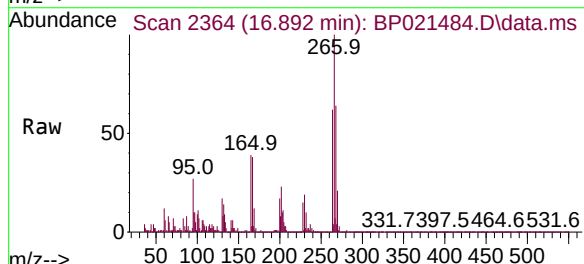
Delta R.T. 0.000 min

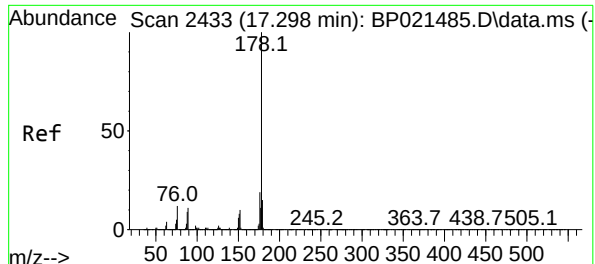
Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Tgt Ion:266 Resp: 255526

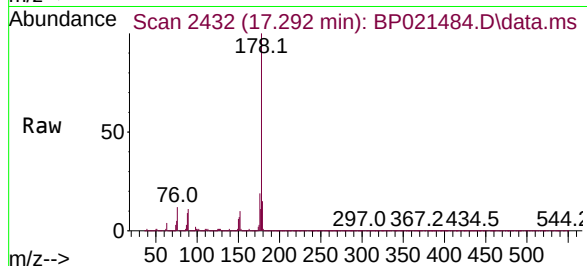
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 64.4  | 51.8  | 77.6  |
| 264 | 62.0  | 50.5  | 75.7  |





#71  
Phenanthrene  
Concen: 20.760 ng  
RT: 17.292 min Scan# 2432  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

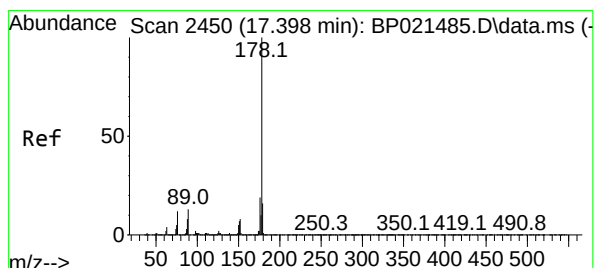
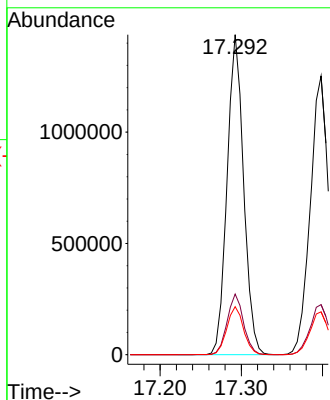
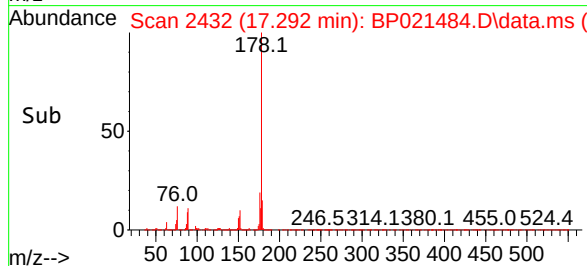
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:178 Resp: 2033070  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.2  
179 15.0 12.4 18.6

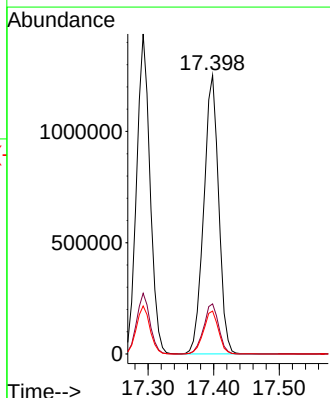
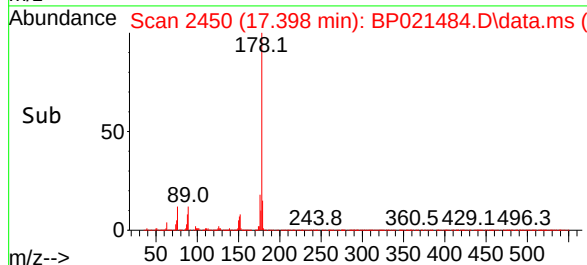
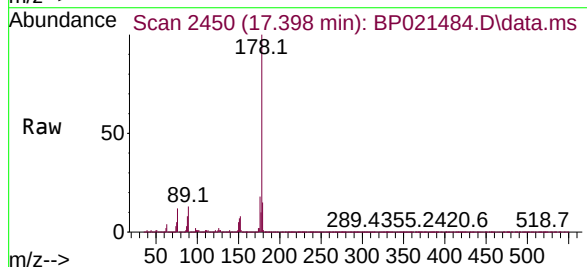
Manual Integrations  
APPROVED

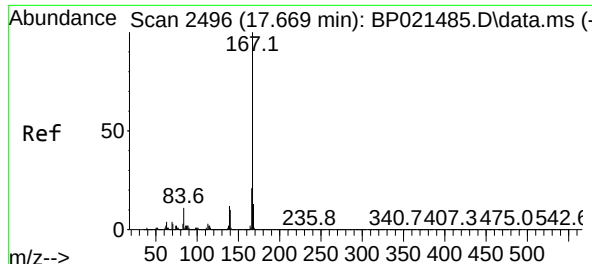
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 20.574 ng  
RT: 17.398 min Scan# 2450  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

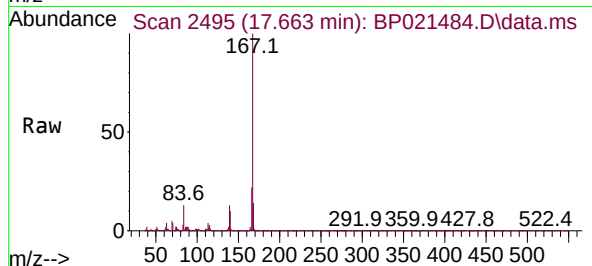
Tgt Ion:178 Resp: 1976030  
Ion Ratio Lower Upper  
178 100  
176 18.0 14.9 22.3  
179 15.4 12.5 18.7





#73  
Carbazole  
Concen: 20.709 ng  
RT: 17.663 min Scan# 2495  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

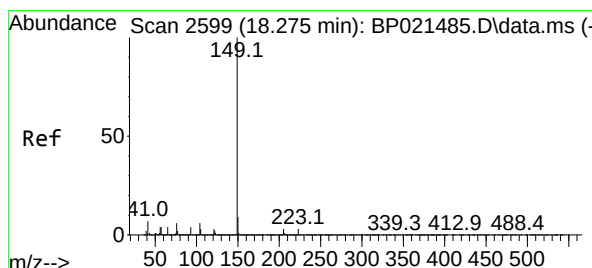
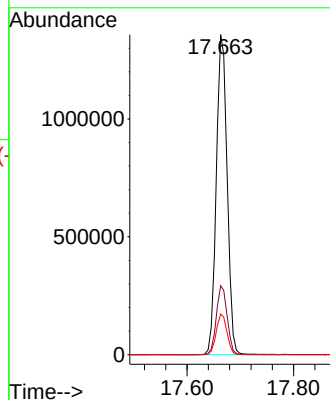
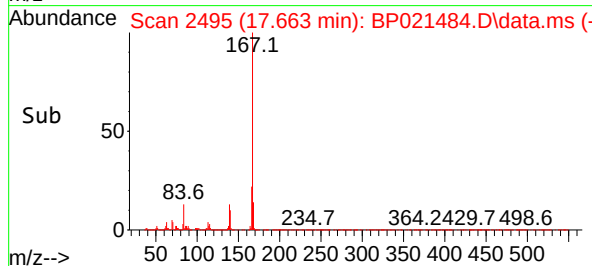
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:167 Resp: 191683  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.0 25.4  
139 12.7 9.9 14.9

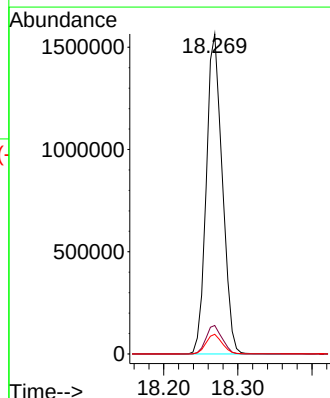
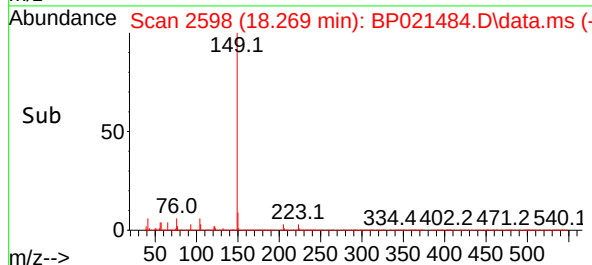
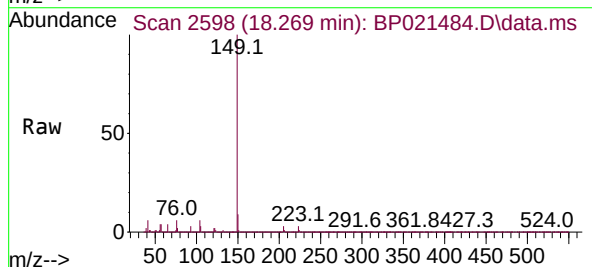
Manual Integrations  
APPROVED

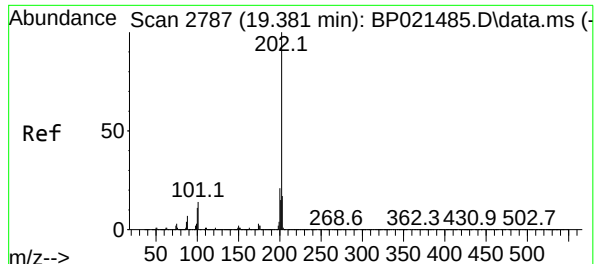
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 20.587 ng  
RT: 18.269 min Scan# 2598  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

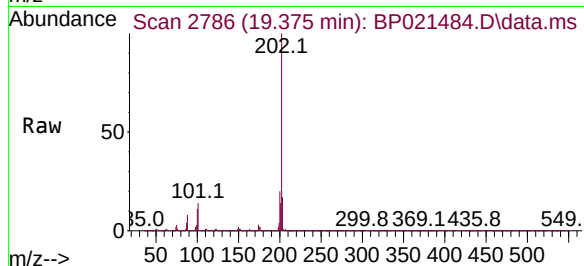
Tgt Ion:149 Resp: 2340289  
Ion Ratio Lower Upper  
149 100  
150 8.9 7.5 11.3  
104 6.1 4.9 7.3





#75  
Fluoranthene  
Concen: 20.902 ng  
RT: 19.375 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

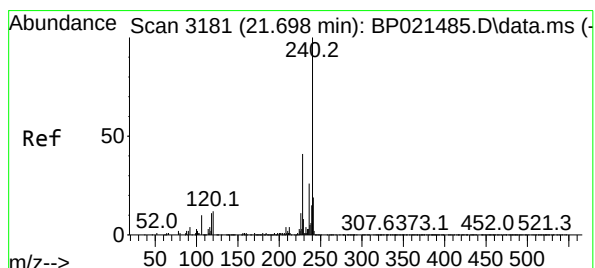
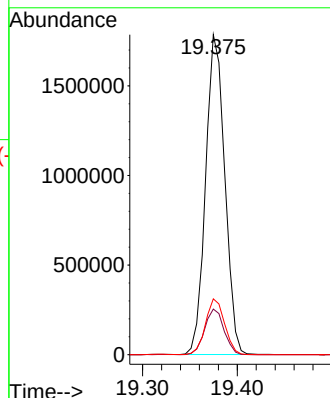
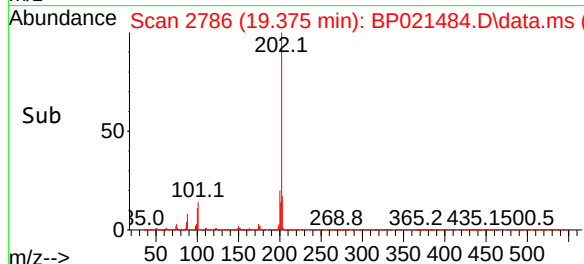
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:202 Resp: 2511684  
Ion Ratio Lower Upper  
202 100  
101 14.3 0.0 34.0  
203 17.4 0.0 37.5

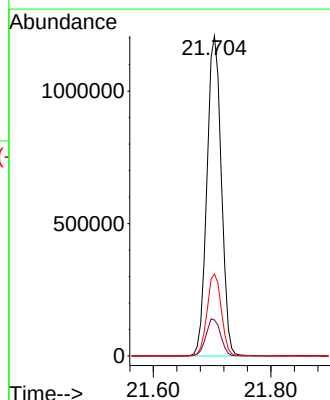
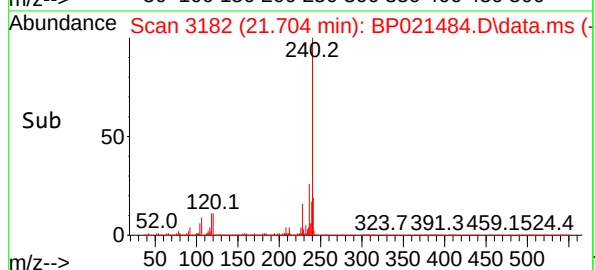
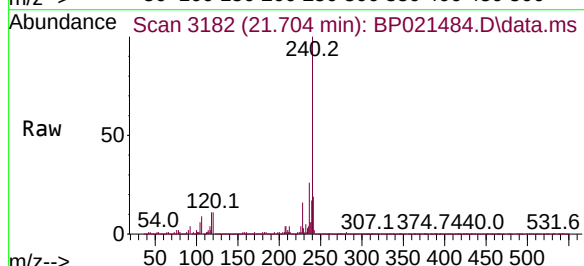
Manual Integrations  
APPROVED

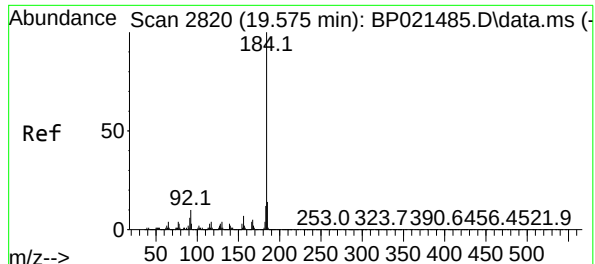
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.704 min Scan# 3182  
Delta R.T. 0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:240 Resp: 2051361  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.9 14.9  
236 25.6 20.6 30.8





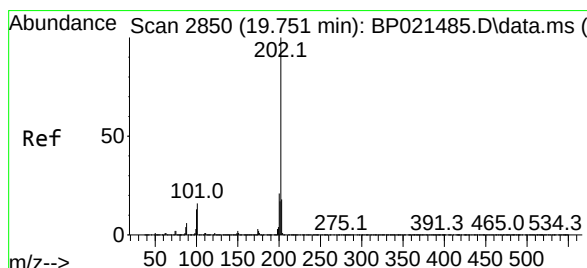
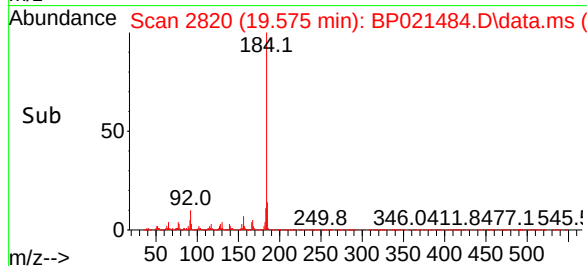
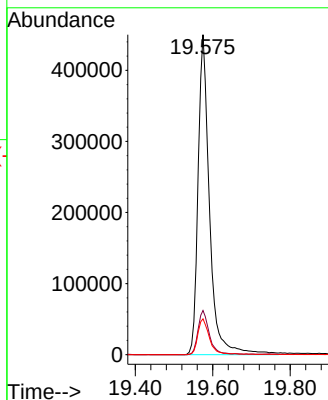
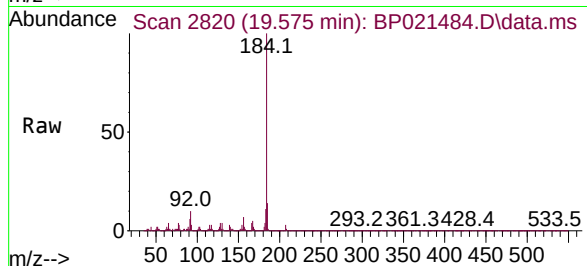
#77  
Benzidine  
Concen: 20.258 ng  
RT: 19.575 min Scan# 2820  
Delta R.T. -0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020

Tgt Ion:184 Resp: 92419  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.4 17.0  
183 11.2 9.3 13.9

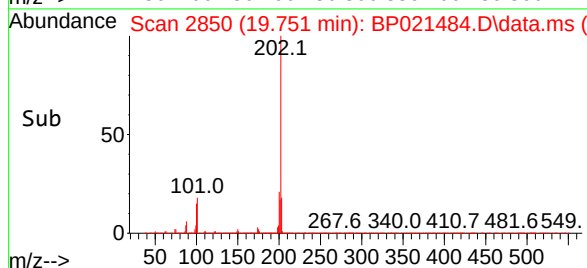
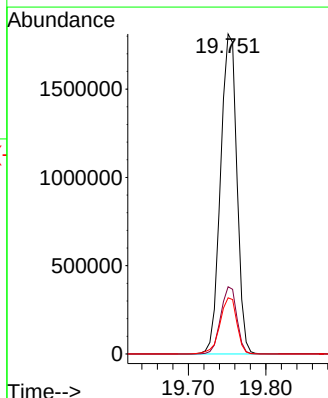
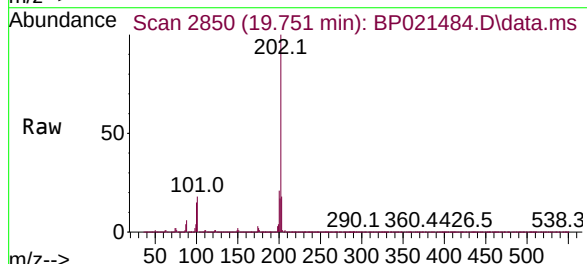
Manual Integrations  
APPROVED

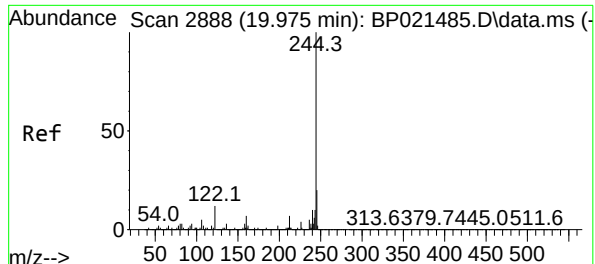
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#78  
Pyrene  
Concen: 19.814 ng  
RT: 19.751 min Scan# 2850  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

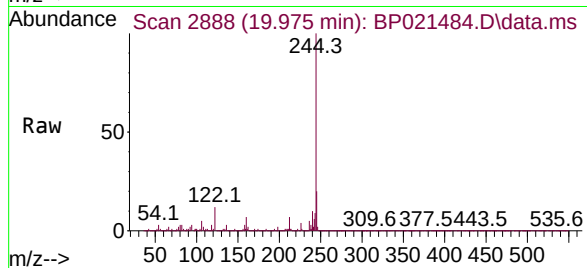
Tgt Ion:202 Resp: 2656705  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.7 25.1  
203 17.5 14.1 21.1





#79  
Terphenyl-d14  
Concen: 40.160 ng  
RT: 19.975 min Scan# 2888  
Delta R.T. -0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

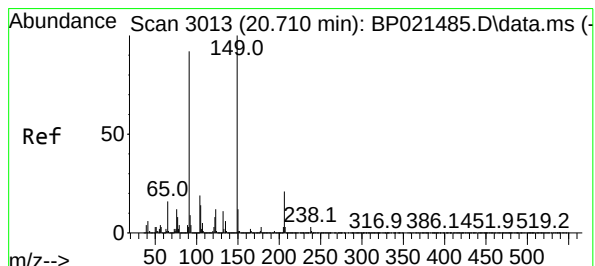
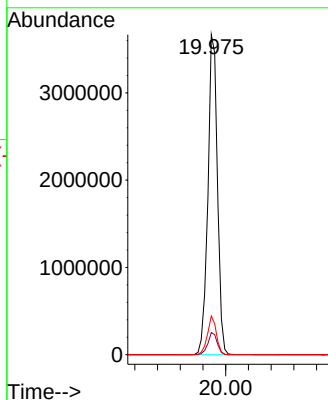
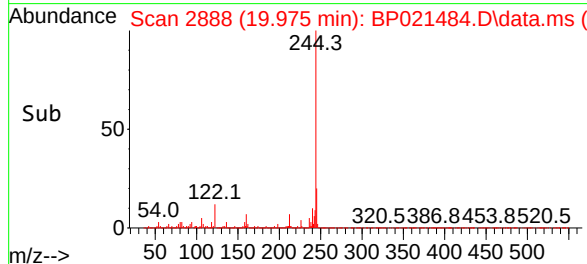
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:244 Resp: 424055  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.6 8.4  
122 12.1 9.4 14.2

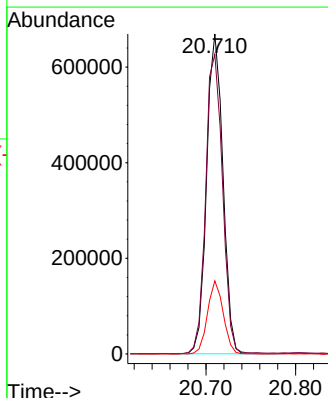
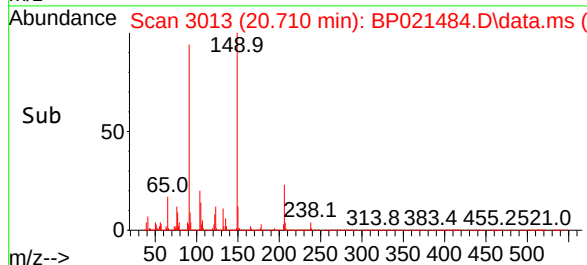
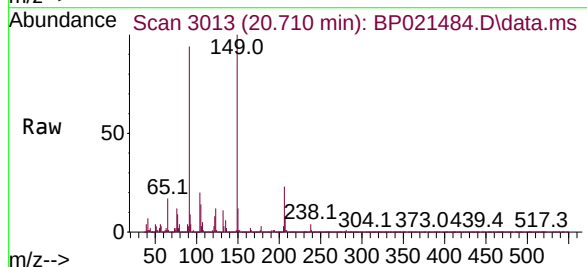
Manual Integrations  
APPROVED

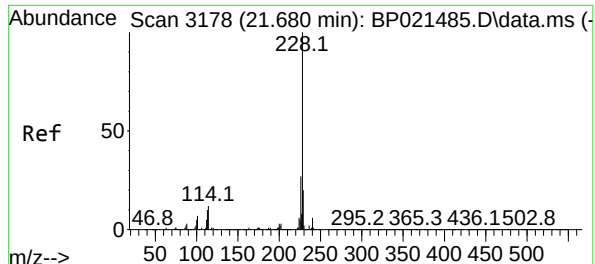
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#80  
Butylbenzylphthalate  
Concen: 18.934 ng  
RT: 20.710 min Scan# 3013  
Delta R.T. -0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

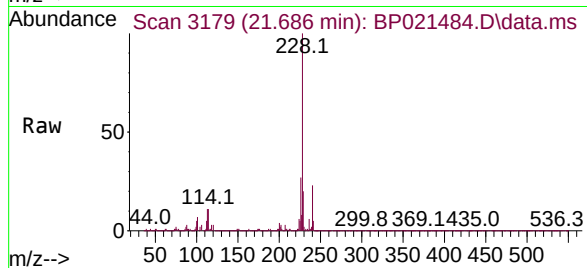
Tgt Ion:149 Resp: 843482  
Ion Ratio Lower Upper  
149 100  
91 93.7 73.3 109.9  
206 22.9 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 20.566 ng  
RT: 21.686 min Scan# 3179  
Delta R.T. 0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

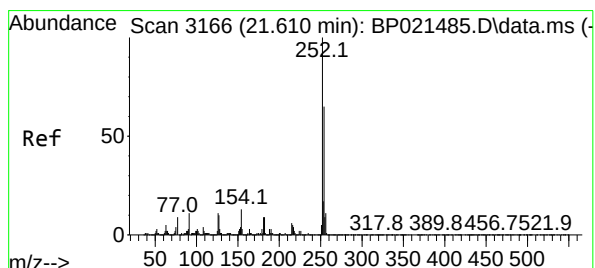
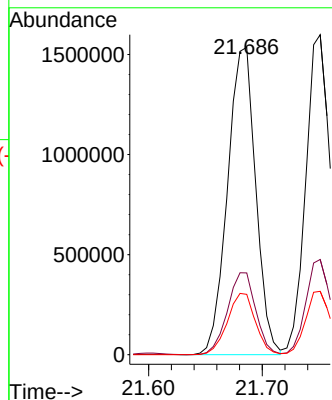
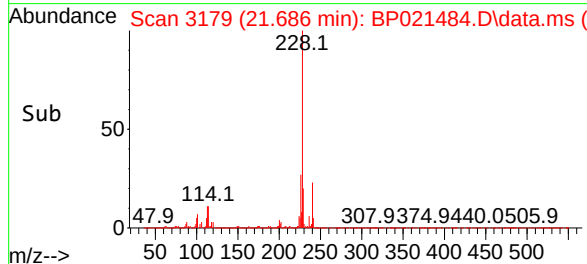
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:228 Resp: 2648478  
Ion Ratio Lower Upper  
228 100  
226 26.6 21.4 32.2  
229 19.6 15.8 23.6

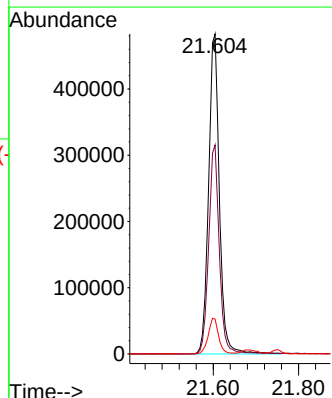
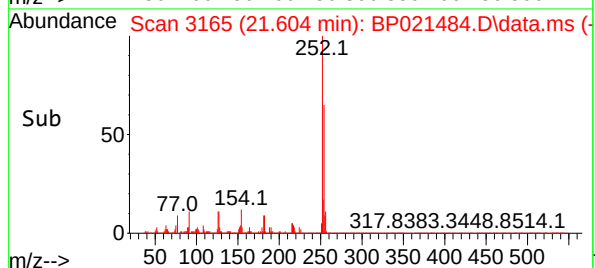
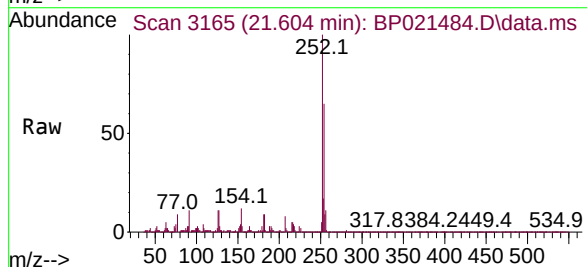
Manual Integrations  
APPROVED

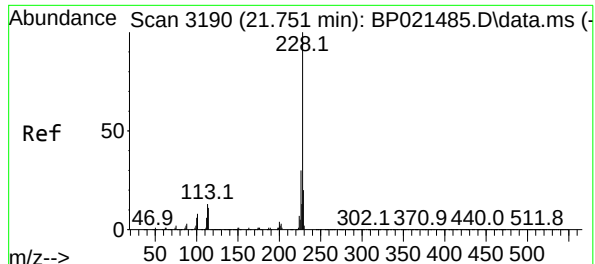
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 20.526 ng  
RT: 21.604 min Scan# 3165  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

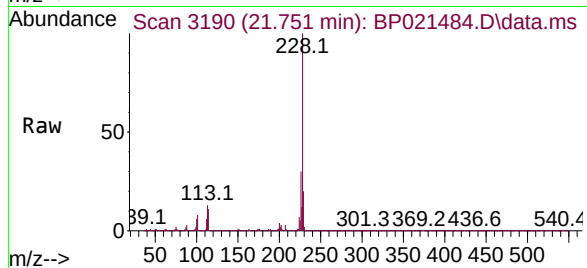
Tgt Ion:252 Resp: 847490  
Ion Ratio Lower Upper  
252 100  
254 65.3 51.7 77.5  
126 10.9 8.7 13.1





#83  
Chrysene  
Concen: 20.336 ng  
RT: 21.751 min Scan# 3190  
Delta R.T. 0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

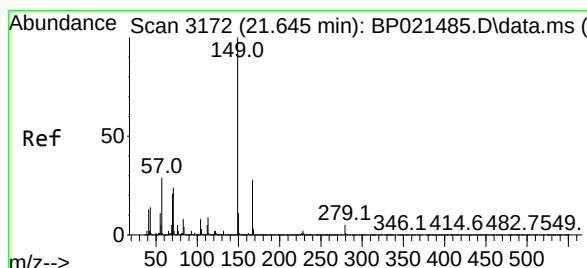
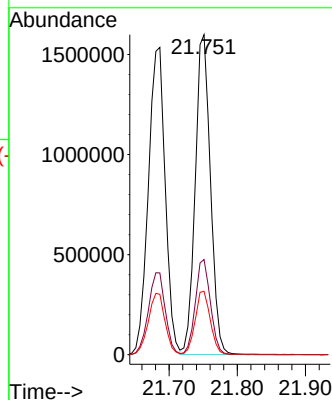
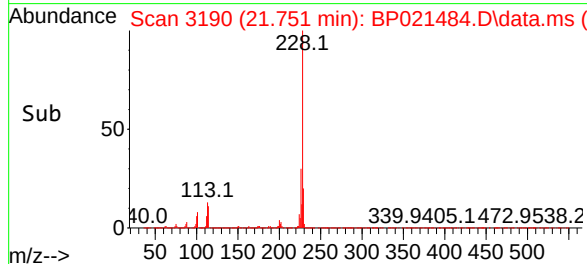
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 228 Resp: 2472528  
Ion Ratio Lower Upper  
228 100  
226 29.7 23.9 35.9  
229 19.8 15.8 23.6

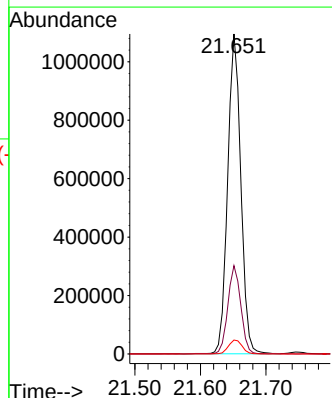
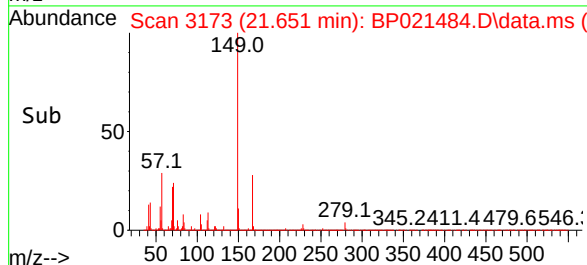
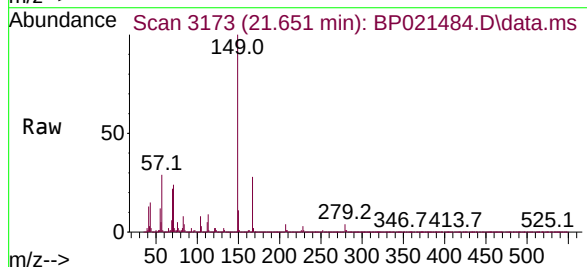
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024

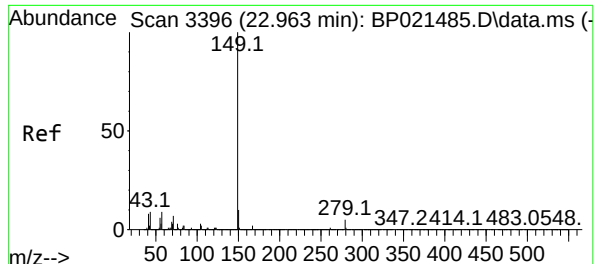


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 19.981 ng  
RT: 21.651 min Scan# 3173  
Delta R.T. 0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 149 Resp: 1520788  
Ion Ratio Lower Upper  
149 100  
167 27.6 22.3 33.5  
279 4.3 3.8 5.6

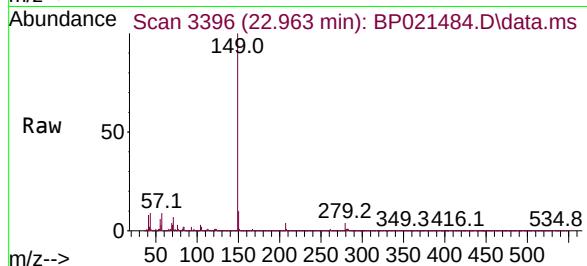






#85  
Di-n-octyl phthalate  
Concen: 20.217 ng  
RT: 22.963 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

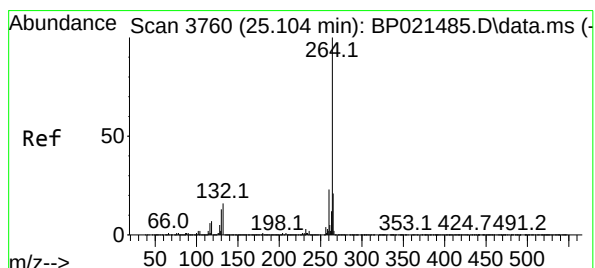
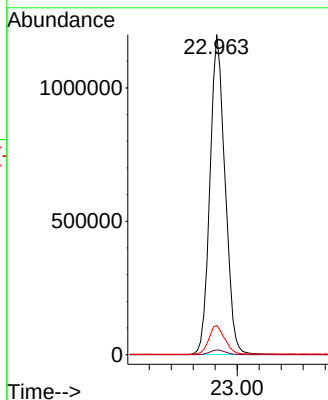
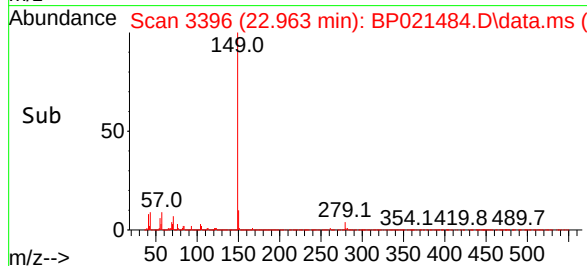
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion:149 Resp: 228682  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 9.4 7.3 10.9

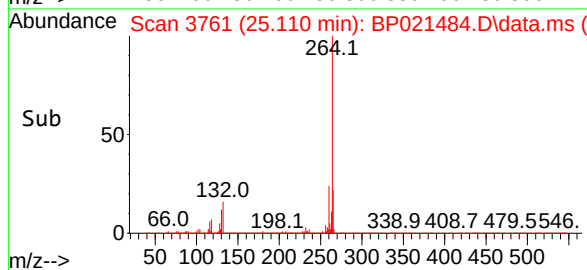
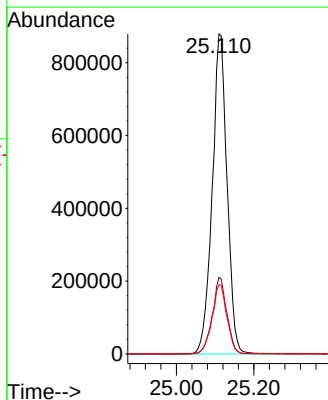
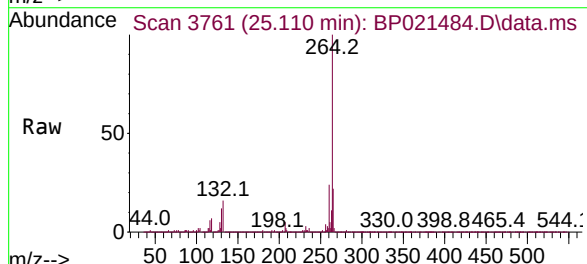
Manual Integrations  
APPROVED

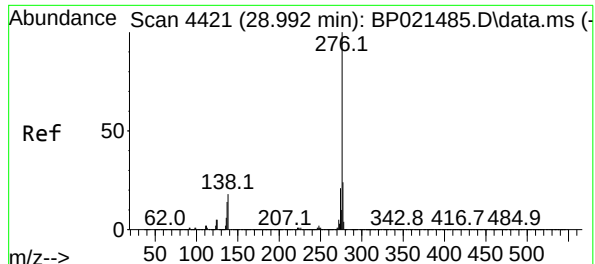
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.110 min Scan# 3761  
Delta R.T. 0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion:264 Resp: 2332049  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.6 28.0  
265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.320 ng m

RT: 28.980 min Scan# 4419

Delta R.T. -0.012 min

Lab File: BP021484.D

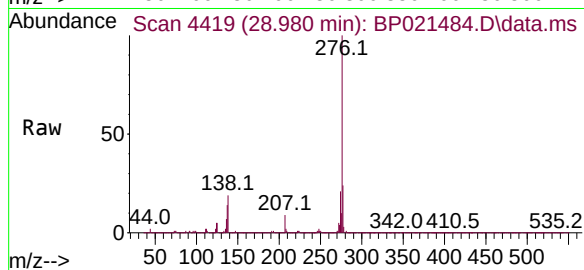
Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020



Tgt Ion: 276 Resp: 3071370

Ion Ratio Lower Upper

276 100

138 16.1 12.8 19.2

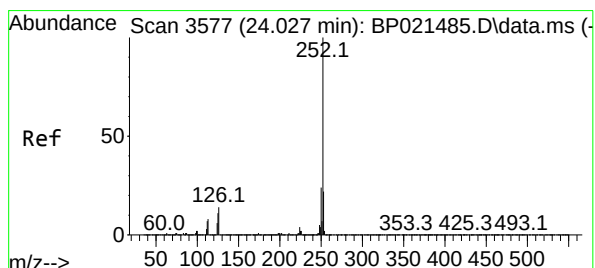
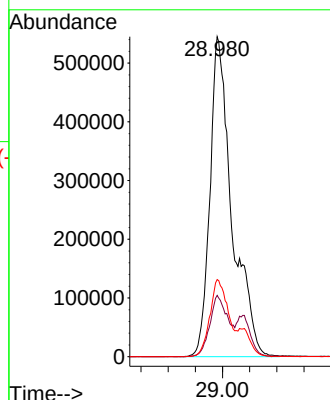
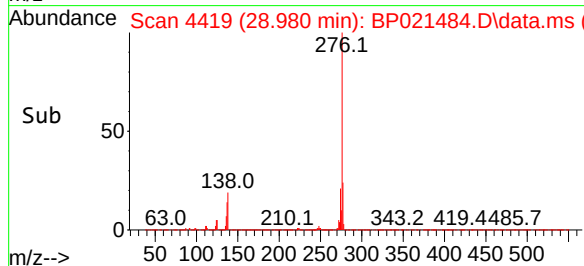
277 20.7 16.5 24.7

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 08/14/2024

Supervised By : mohammad ahmed 08/14/2024



#88

Benzo(b)fluoranthene

Concen: 20.161 ng

RT: 24.033 min Scan# 3578

Delta R.T. 0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

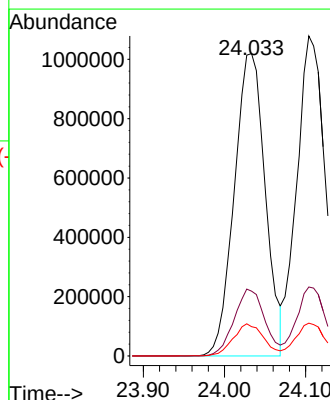
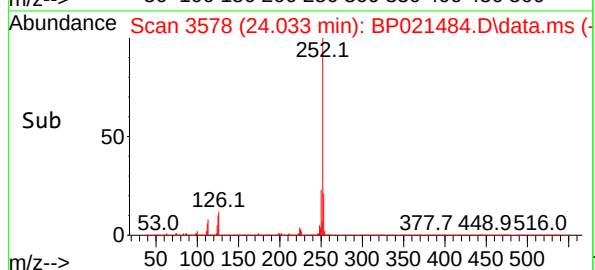
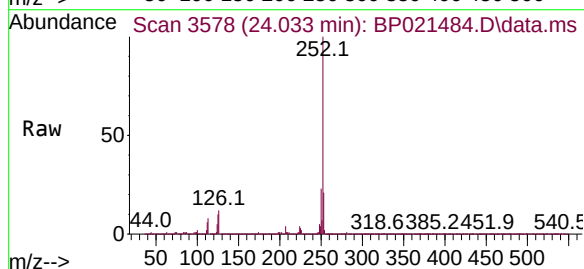
Tgt Ion: 252 Resp: 2700298

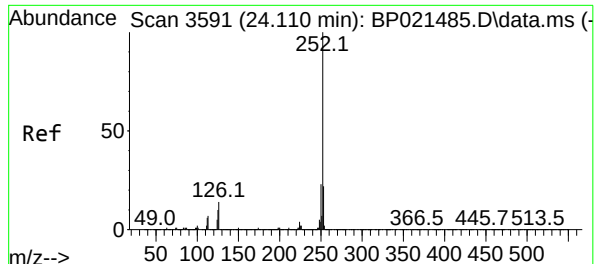
Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 9.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 20.059 ng

RT: 24.104 min Scan# 3590

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA\_P

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 2620830

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

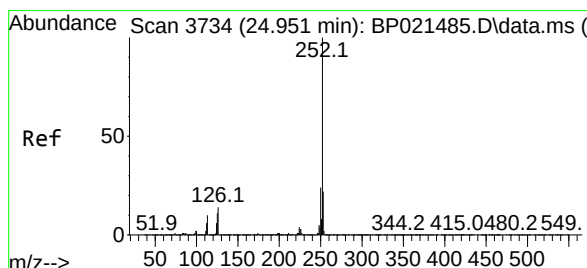
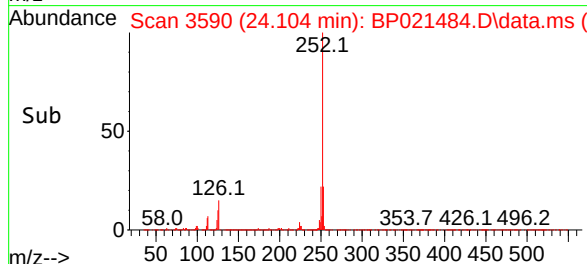
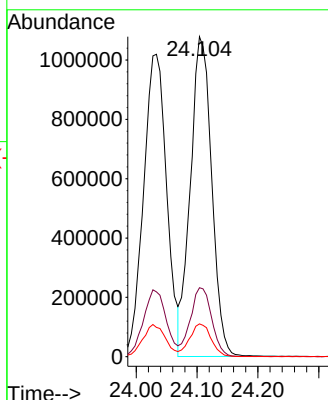
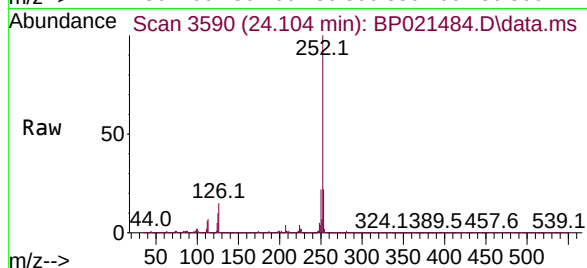
125 10.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 20.127 ng

RT: 24.951 min Scan# 3734

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

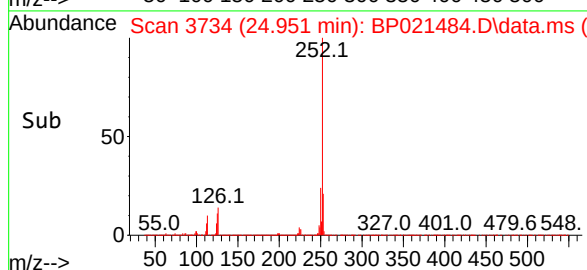
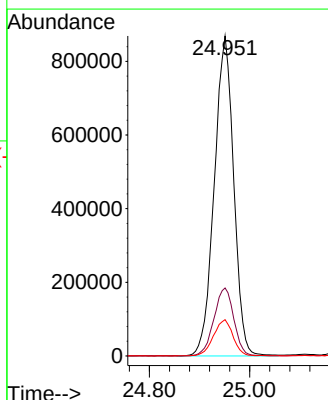
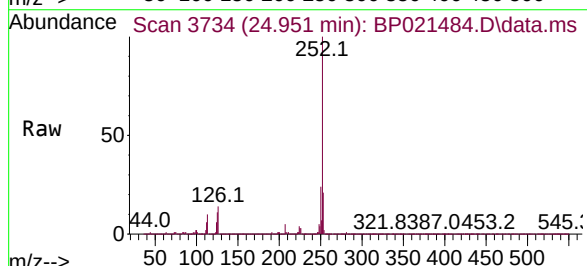
Tgt Ion:252 Resp: 2339364

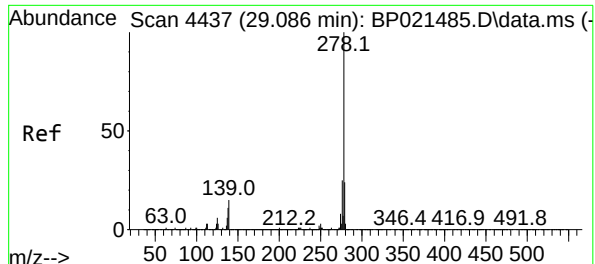
Ion Ratio Lower Upper

252 100

253 21.2 17.7 26.5

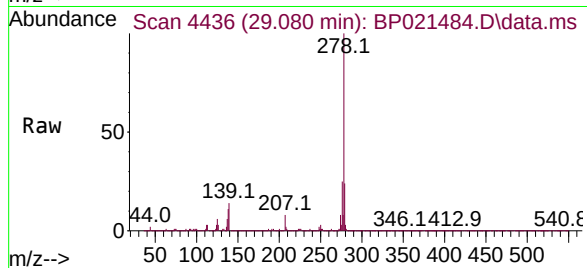
125 11.3 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 20.539 ng  
RT: 29.080 min Scan# 4437  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

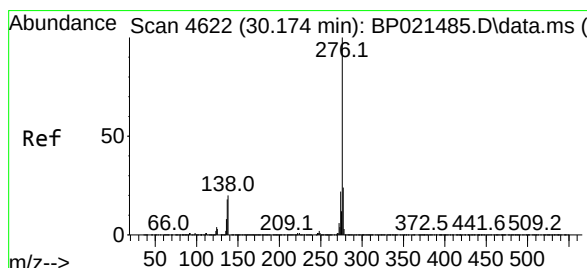
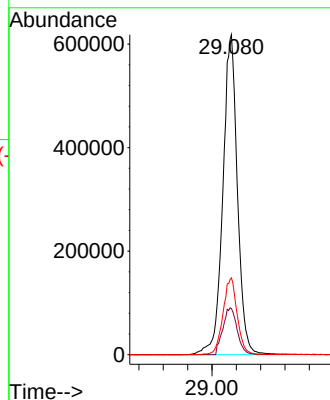
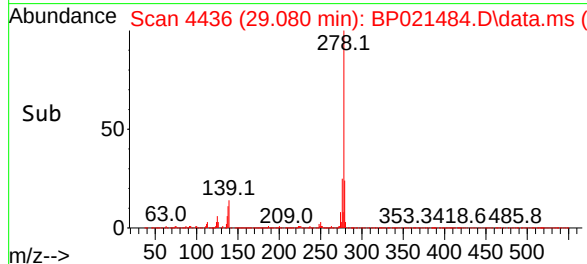
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC020



Tgt Ion: 278 Resp: 257976  
Ion Ratio Lower Upper  
278 100  
139 14.4 12.2 18.4  
279 24.0 19.1 28.7

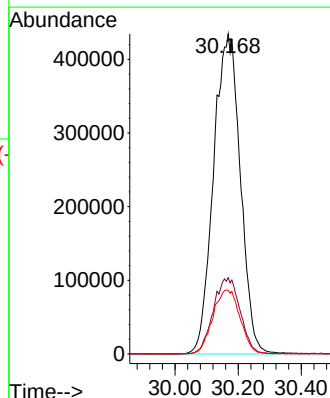
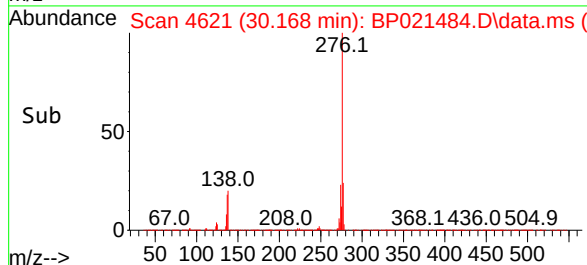
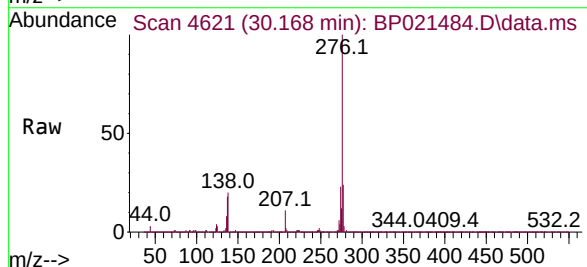
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#92  
Benzo(g,h,i)perylene  
Concen: 20.300 ng  
RT: 30.168 min Scan# 4621  
Delta R.T. -0.006 min  
Lab File: BP021484.D  
Acq: 13 Aug 2024 14:42

Tgt Ion: 276 Resp: 2555517  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.6  
138 19.9 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021485.D  
Acq On : 13 Aug 2024 15:26  
Operator : RC/JU  
Sample : SSTDICCC040  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Quant Time: Aug 13 23:53:03 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 13 23:44:24 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.811  | 152  | 334672   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.599 | 136  | 1379126  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.457 | 164  | 890240   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.251 | 188  | 1905279  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.698 | 240  | 1820074  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.104 | 264  | 2085332  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 1804372  | 80.056 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.964  | 99   | 2647910  | 80.535 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2262476  | 84.675 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 840745   | 84.855 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 4724987  | 81.001 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.975 | 244  | 7322059  | 78.155 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 429612   | 40.199 | ng    | 100      |
| 3) Pyridine                   | 3.705  | 79   | 1205871m | 40.419 | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 356290   | 39.732 | ng    | 100      |
| 6) Aniline                    | 7.134  | 93   | 1324158  | 40.285 | ng    | 100      |
| 8) 2-Chlorophenol             | 7.375  | 128  | 836602   | 40.166 | ng    | 100      |
| 9) Benzaldehyde               | 6.946  | 77   | 801968   | 38.095 | ng    | 100      |
| 10) Phenol                    | 6.987  | 94   | 1368534  | 40.195 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1139337  | 39.547 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 972133   | 39.292 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 987045   | 39.509 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 943886   | 39.206 | ng    | 100      |
| 15) Benzyl Alcohol            | 8.034  | 79   | 947378   | 40.158 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 1035140  | 39.016 | ng    | 100      |
| 17) 2-Methylphenol            | 8.234  | 107  | 863176   | 40.102 | ng    | 100      |
| 18) Hexachloroethane          | 8.893  | 117  | 397406   | 39.668 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 897052   | 39.497 | ng    | 100      |
| 20) 3+4-Methylphenols         | 8.558  | 107  | 1176757  | 40.546 | ng    | 100      |
| 22) Acetophenone              | 8.616  | 105  | 1688225  | 39.846 | ng    | 100      |
| 24) Nitrobenzene              | 8.993  | 77   | 1221296  | 42.085 | ng    | 100      |
| 25) Isophorone                | 9.522  | 82   | 2519531  | 39.915 | ng    | 100      |
| 26) 2-Nitrophenol             | 9.699  | 139  | 259209   | 39.575 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 9.758  | 122  | 621559   | 39.900 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 10.005 | 93   | 1515653  | 39.336 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 751870   | 40.849 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 938177   | 39.757 | ng    | 100      |
| 31) Naphthalene               | 10.646 | 128  | 2870666  | 39.845 | ng    | 100      |
| 32) Benzoic acid              | 9.875  | 122  | 356582   | 38.509 | ng    | 100      |
| 33) 4-Chloroaniline           | 10.740 | 127  | 1090714  | 40.303 | ng    | 100      |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 594148   | 39.989 | ng    | 100      |
| 35) Caprolactam               | 11.499 | 113  | 314109   | 41.005 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 11.863 | 107  | 1055054  | 41.323 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.263 | 142  | 1944719  | 39.550 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 1921454  | 39.621 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 1058707  | 40.588 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.622 | 237  | 341369   | 41.293 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.869 | 196  | 610003   | 42.100 | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021485.D  
 Acq On : 13 Aug 2024 15:26  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:53:03 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.934 | 196  | 680956   | 42.300 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.281 | 154  | 2542708  | 40.370 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 1987834  | 40.538 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.504 | 65   | 506883   | 38.074 | ng    | 100      |
| 49) Acenaphthylene            | 14.169 | 152  | 2928814  | 40.630 | ng    | 100      |
| 50) Dimethylphthalate         | 13.910 | 163  | 2408078  | 40.392 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.022 | 165  | 454687   | 38.650 | ng    | 100      |
| 52) Acenaphthene              | 14.522 | 154  | 1911119  | 40.406 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.351 | 138  | 452937   | 39.107 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.551 | 184  | 116797   | 38.943 | ng    | 100      |
| 55) Dibenzofuran              | 14.857 | 168  | 2936517  | 40.359 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.651 | 139  | 358912   | 39.073 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 570222   | 38.397 | ng    | 100      |
| 58) Fluorene                  | 15.516 | 166  | 2410461  | 40.326 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.087 | 232  | 584357   | 42.766 | ng    | 100      |
| 60) Diethylphthalate          | 15.304 | 149  | 2486968  | 40.656 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204  | 1236572  | 40.022 | ng    | 100      |
| 62) 4-Nitroaniline            | 15.528 | 138  | 485672   | 40.451 | ng    | 100      |
| 63) Azobenzene                | 15.822 | 77   | 3052445  | 40.594 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 15.587 | 198  | 199156   | 38.603 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 15.740 | 169  | 2051265  | 40.175 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.439 | 248  | 790673   | 39.211 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.551 | 284  | 958921   | 40.240 | ng    | 100      |
| 69) Atrazine                  | 16.716 | 200  | 726072   | 41.419 | ng    | 100      |
| 70) Pentachlorophenol         | 16.892 | 266  | 520400   | 40.011 | ng    | 100      |
| 71) Phenanthrene              | 17.298 | 178  | 3678868  | 40.150 | ng    | 100      |
| 72) Anthracene                | 17.398 | 178  | 3619950  | 40.283 | ng    | 100      |
| 73) Carbazole                 | 17.669 | 167  | 3543089  | 40.912 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.275 | 149  | 4378720  | 41.170 | ng    | 100      |
| 75) Fluoranthene              | 19.381 | 202  | 4572881  | 40.674 | ng    | 100      |
| 77) Benzidine                 | 19.575 | 184  | 1735103  | 41.023 | ng    | 100      |
| 78) Pyrene                    | 19.751 | 202  | 4694393  | 39.461 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 1712106  | 38.676 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.680 | 228  | 4615389  | 40.395 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.610 | 252  | 1559563  | 42.572 | ng    | 100      |
| 83) Chrysene                  | 21.751 | 228  | 4358695  | 40.405 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.645 | 149  | 2841806  | 42.082 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.963 | 149  | 4538217  | 39.238 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.992 | 276  | 5533549m | 40.941 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.027 | 252  | 4815875  | 40.211 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.110 | 252  | 4757000  | 40.717 | ng    | 100      |
| 90) Benzo(a)pyrene            | 24.951 | 252  | 4221348  | 40.616 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.086 | 278  | 4594554  | 40.908 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.174 | 276  | 4595577  | 40.824 | ng    | 100      |

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

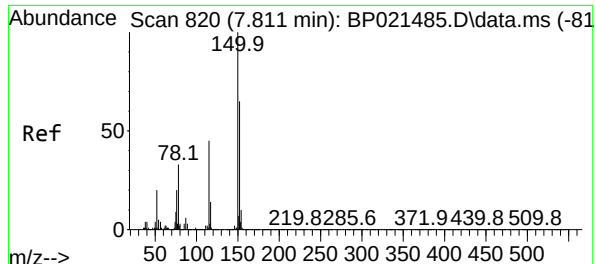
**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICCC040

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024







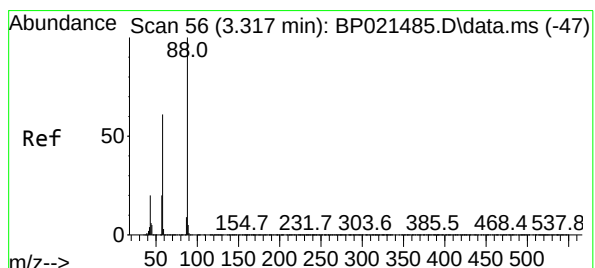
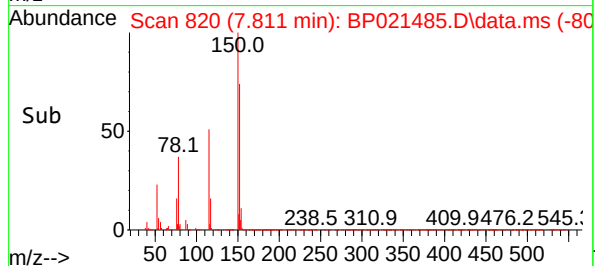
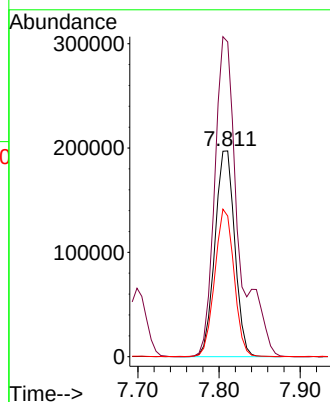
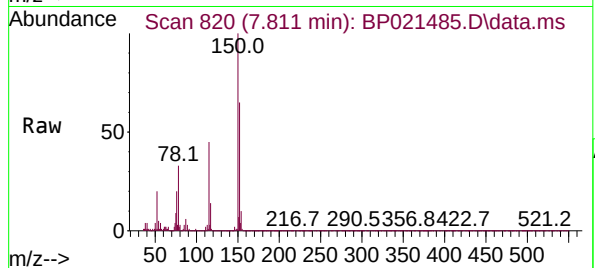
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.811 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion:152 Resp: 334672  
Ion Ratio Lower Upper  
152 100  
150 153.0 122.4 183.6  
115 68.4 54.7 82.1

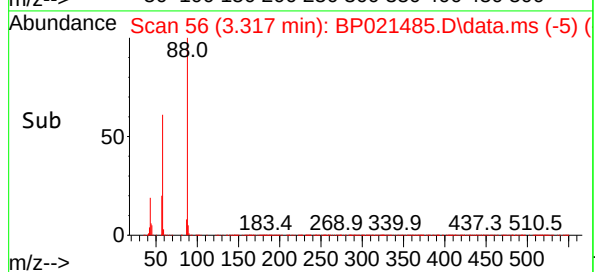
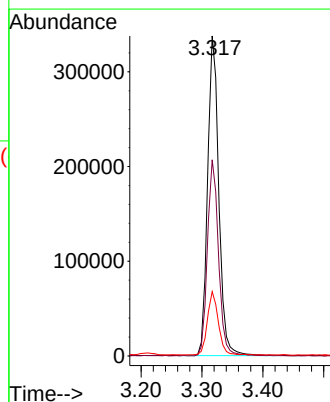
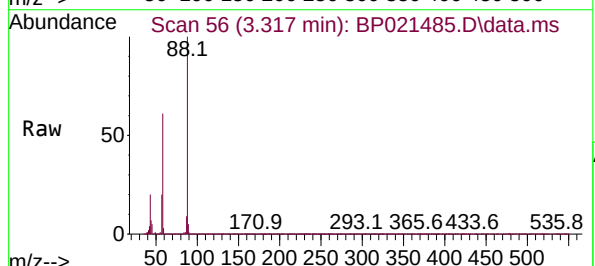
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

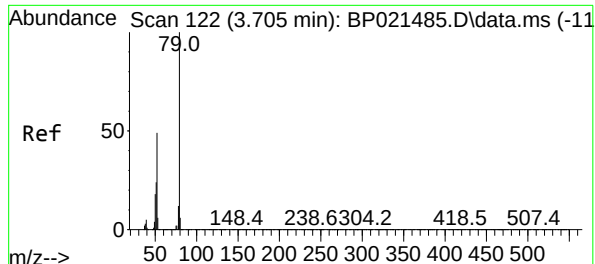


#2  
1,4-Dioxane  
Concen: 40.199 ng  
RT: 3.317 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 88 Resp: 429612  
Ion Ratio Lower Upper  
88 100  
58 60.9 48.7 73.1  
43 19.3 15.4 23.2

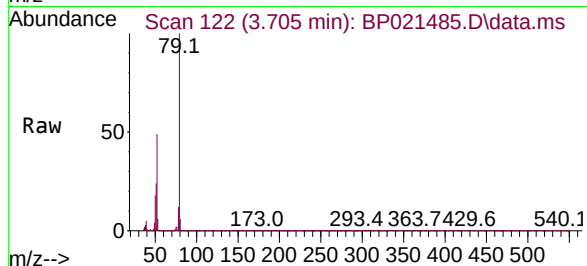






#3  
Pyridine  
Concen: 40.419 ng m  
RT: 3.705 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

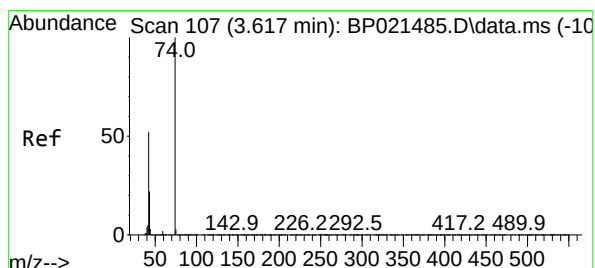
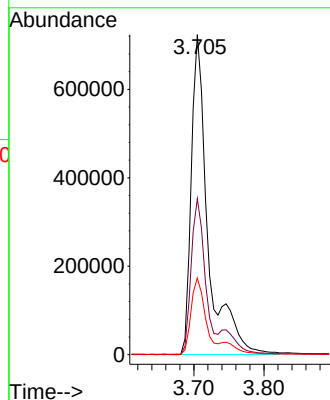
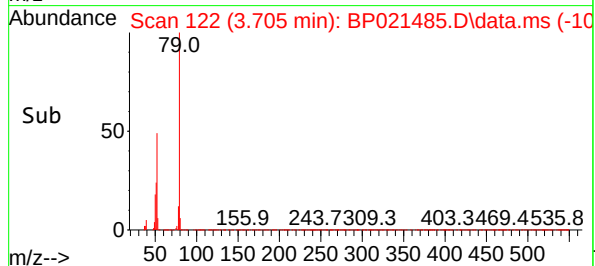
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 79 Resp: 120587  
Ion Ratio Lower Upper  
79 100  
52 48.8 39.0 58.6  
51 24.0 19.2 28.8

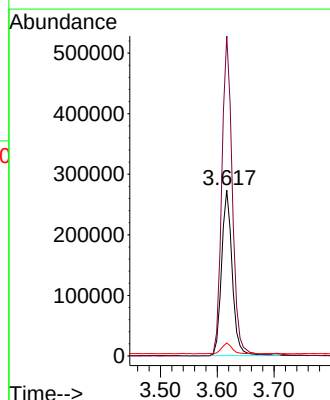
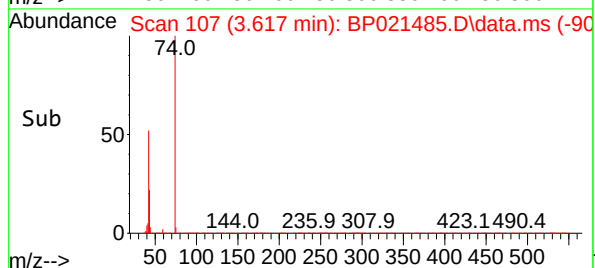
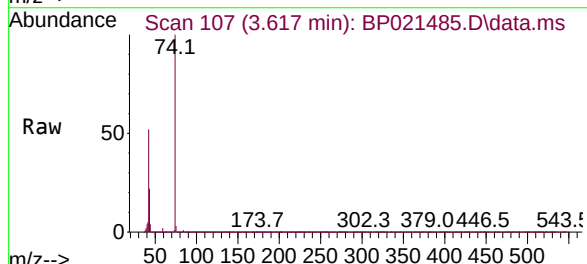
Manual Integrations  
APPROVED

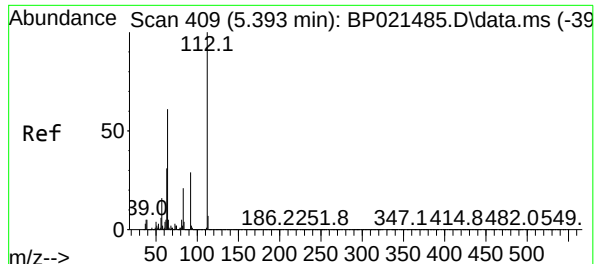
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 39.732 ng  
RT: 3.617 min Scan# 107  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 42 Resp: 356290  
Ion Ratio Lower Upper  
42 100  
74 192.9 154.3 231.5  
44 7.8 6.2 9.4





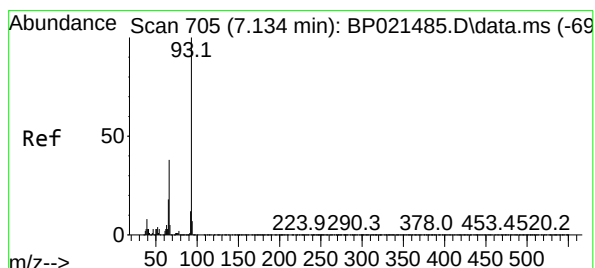
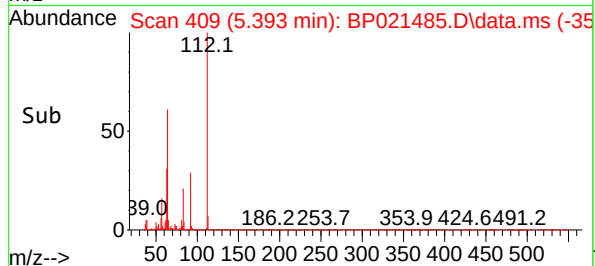
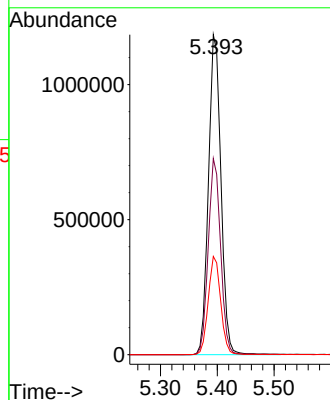
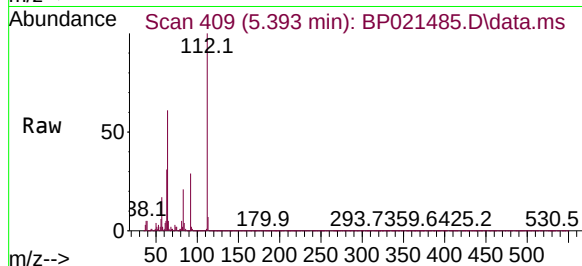
#5  
2-Fluorophenol  
Concen: 80.056 ng  
RT: 5.393 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion:112 Resp: 1804372  
Ion Ratio Lower Upper  
112 100  
64 61.3 49.0 73.6  
63 30.7 24.6 36.8

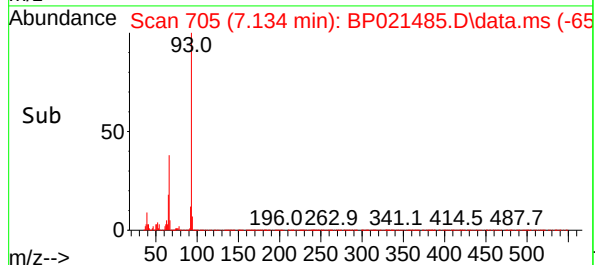
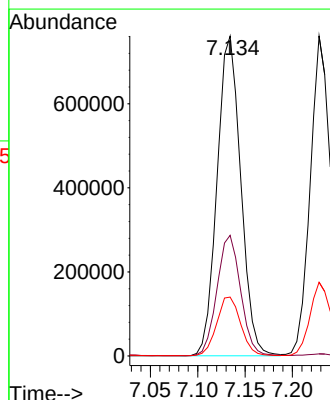
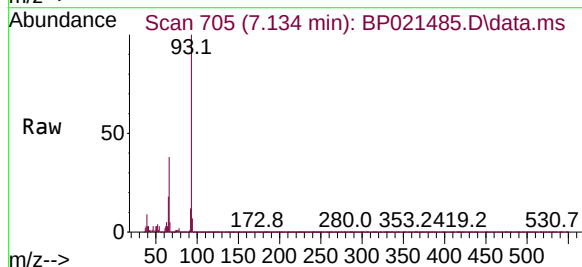
Manual Integrations  
APPROVED

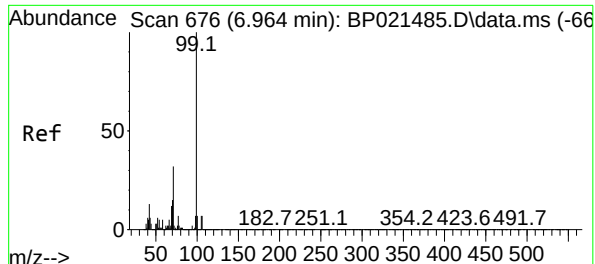
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#6  
Aniline  
Concen: 40.285 ng  
RT: 7.134 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1324158  
Ion Ratio Lower Upper  
93 100  
66 37.7 30.2 45.2  
65 18.4 14.7 22.1





#7

Phenol-d6

Concen: 80.535 ng

RT: 6.964 min Scan# 676

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 2647910

Ion Ratio Lower Upper

99 100

42 12.8 10.2 15.4

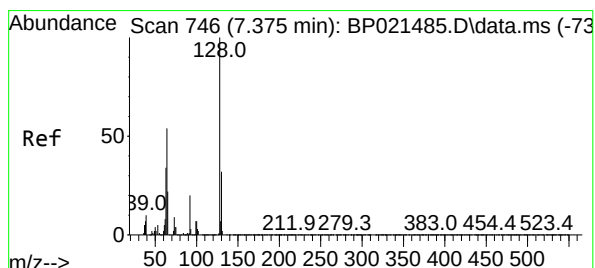
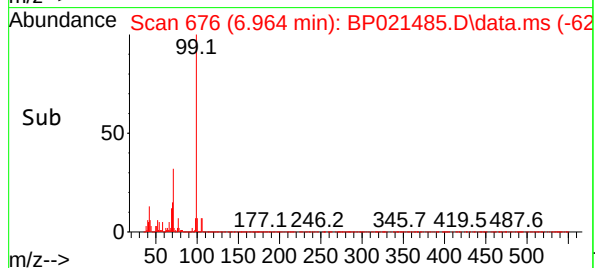
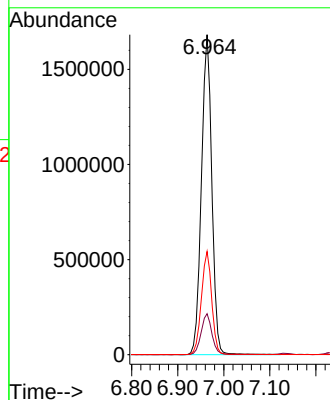
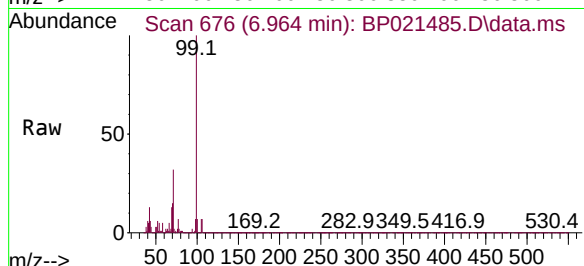
71 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 40.166 ng

RT: 7.375 min Scan# 746

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

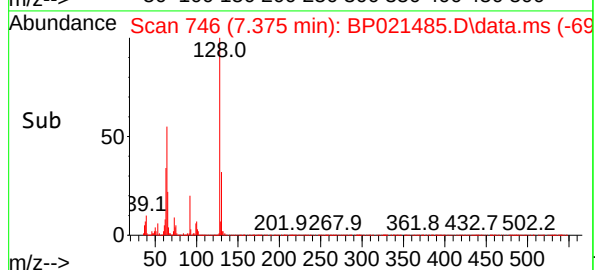
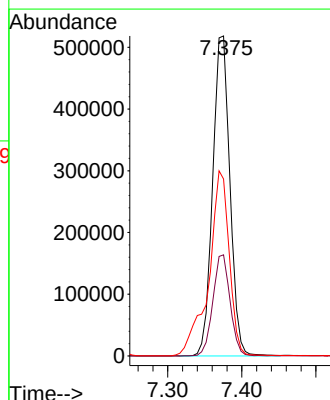
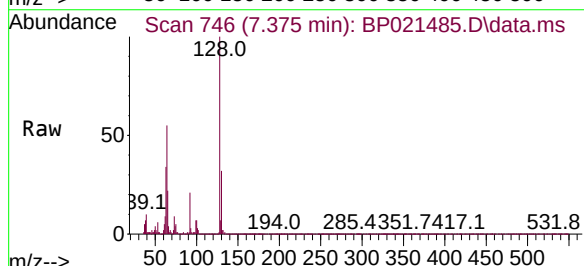
Tgt Ion:128 Resp: 836602

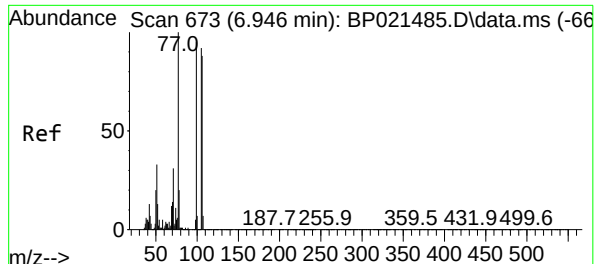
Ion Ratio Lower Upper

128 100

130 31.6 11.6 51.6

64 55.3 35.3 75.3





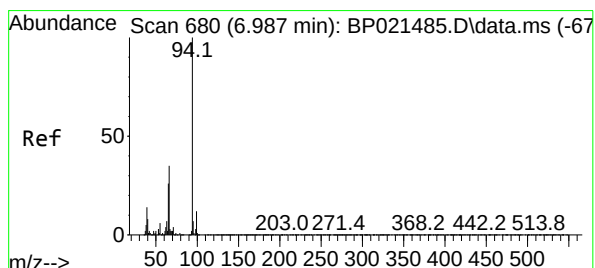
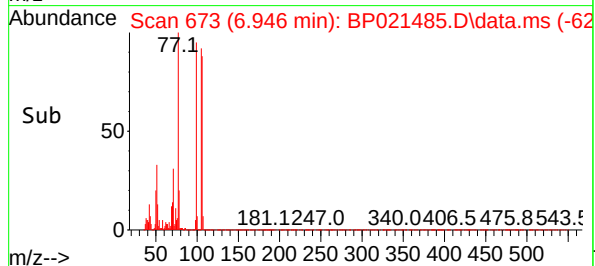
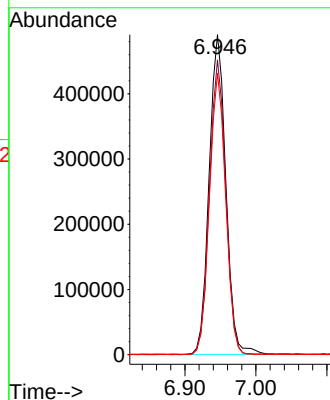
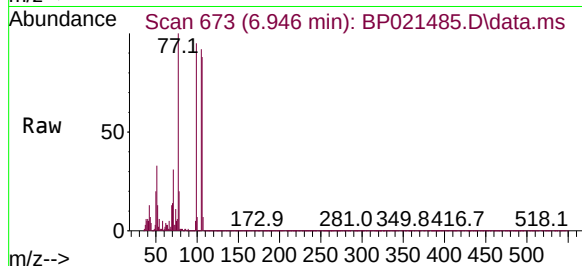
#9  
Benzaldehyde  
Concen: 38.095 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion: 77 Resp: 801968  
Ion Ratio Lower Upper  
77 100  
105 92.1 72.1 112.1  
106 87.9 67.9 107.9

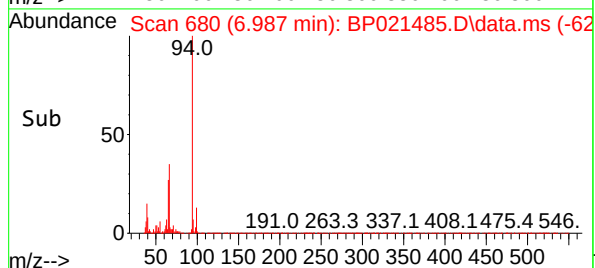
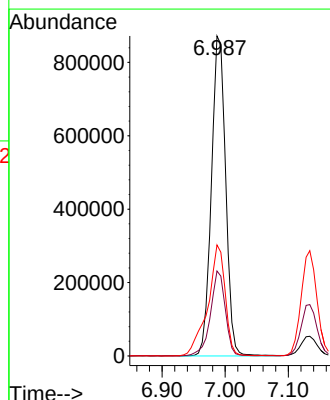
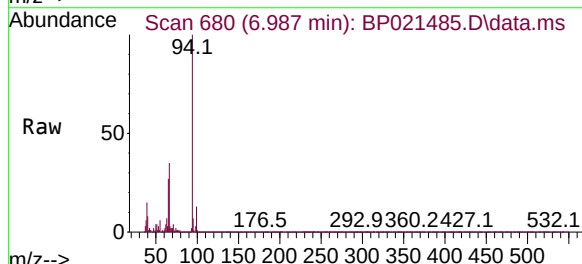
Manual Integrations  
APPROVED

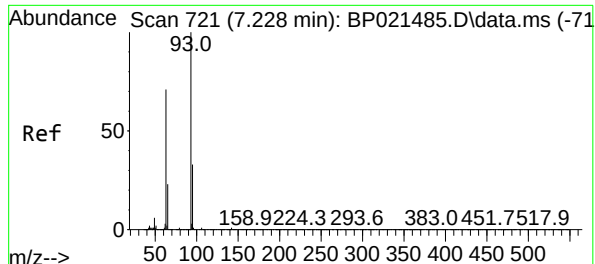
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 40.195 ng  
RT: 6.987 min Scan# 680  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 94 Resp: 1368534  
Ion Ratio Lower Upper  
94 100  
65 26.5 6.5 46.5  
66 34.7 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 39.547 ng

RT: 7.228 min Scan# 721

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 113933

Ion Ratio Lower Upper

93 100

63 71.0 51.0 91.0

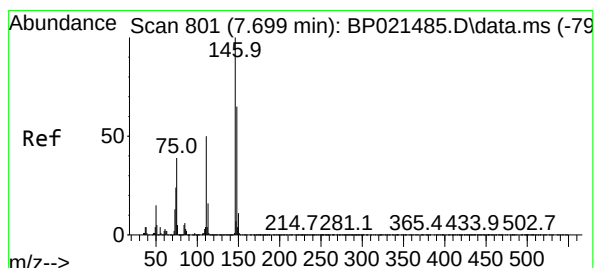
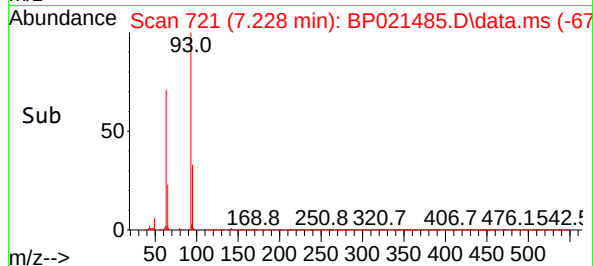
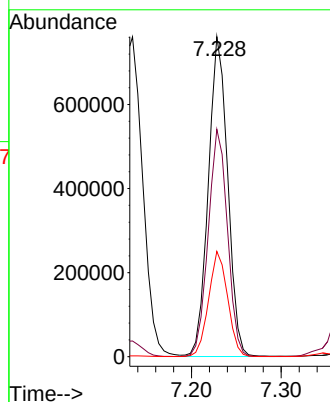
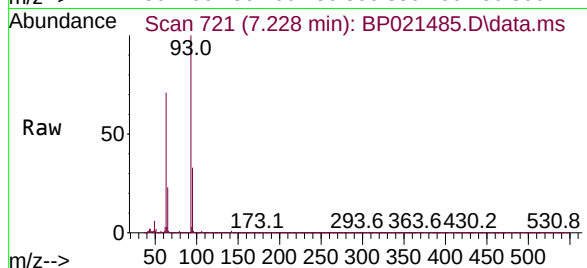
95 32.9 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 39.292 ng

RT: 7.699 min Scan# 801

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

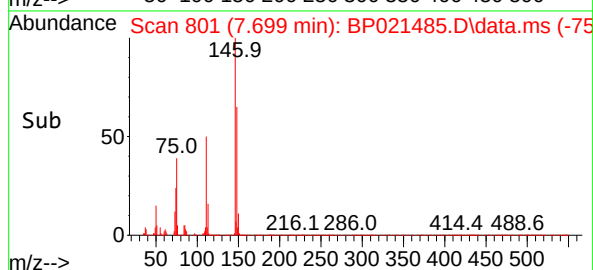
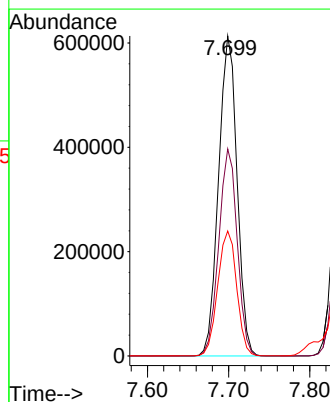
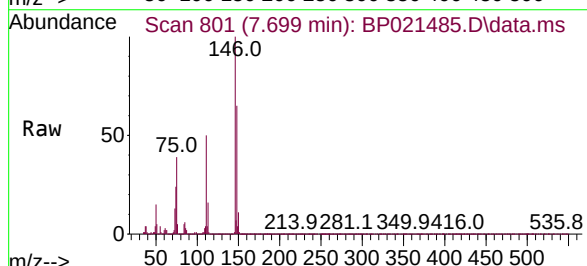
Tgt Ion:146 Resp: 972133

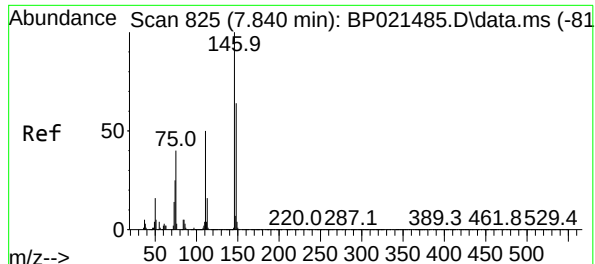
Ion Ratio Lower Upper

146 100

148 64.7 51.8 77.6

75 39.1 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 39.509 ng

RT: 7.840 min Scan# 81

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 987045

Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

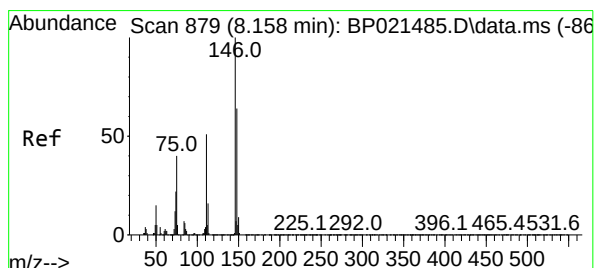
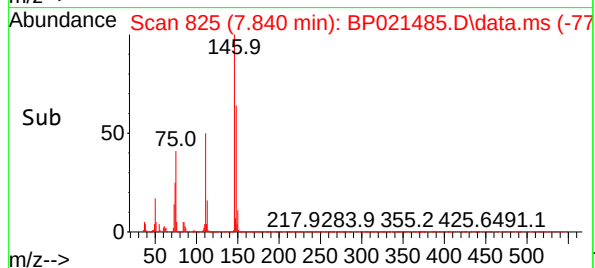
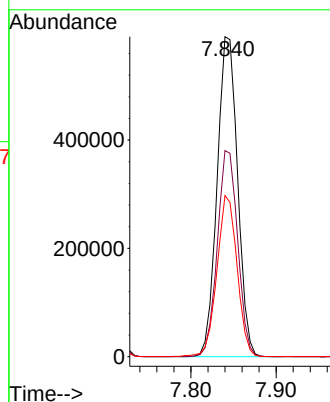
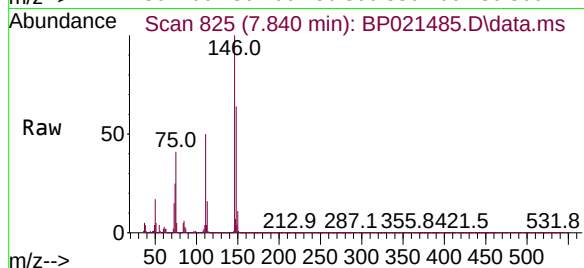
111 50.4 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 39.206 ng

RT: 8.158 min Scan# 879

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

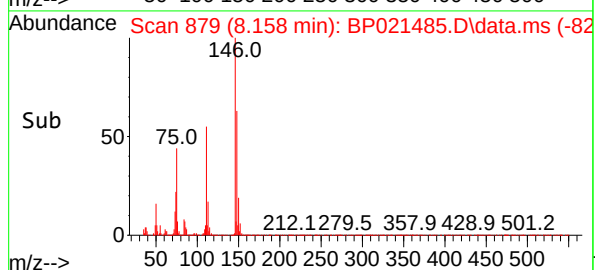
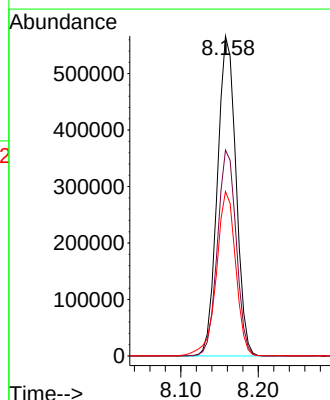
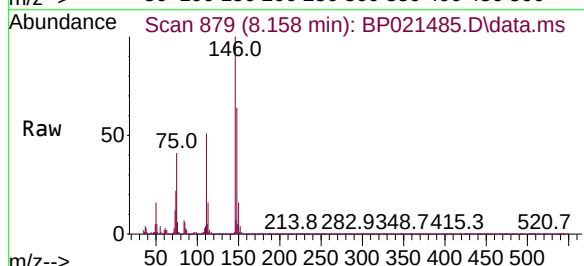
Tgt Ion:146 Resp: 943886

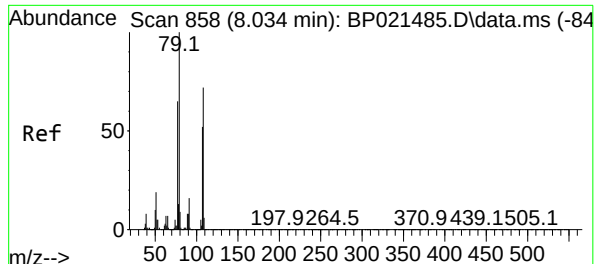
Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

111 51.4 41.1 61.7





#15

Benzyl Alcohol

Concen: 40.158 ng

RT: 8.034 min Scan# 858

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 947378

Ion Ratio Lower Upper

79 100

108 72.4 57.9 86.9

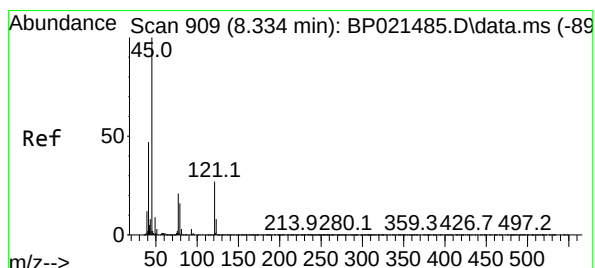
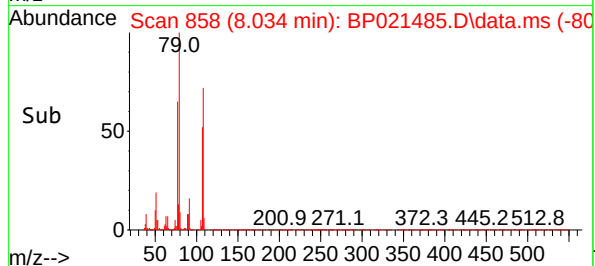
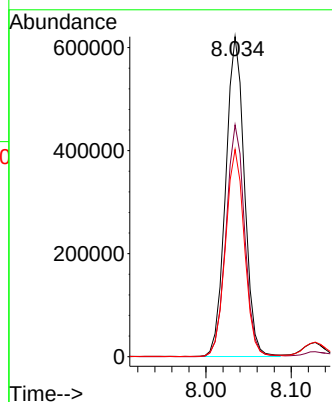
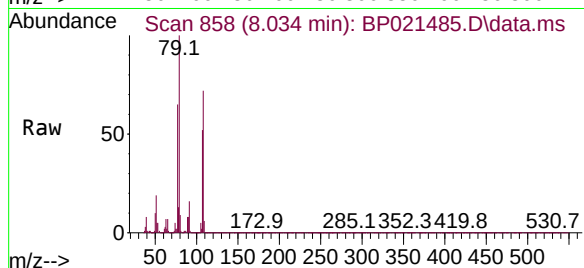
77 64.8 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.016 ng

RT: 8.334 min Scan# 909

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

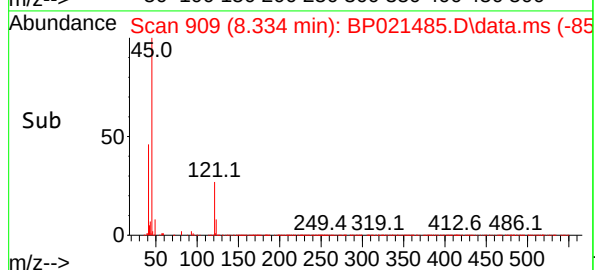
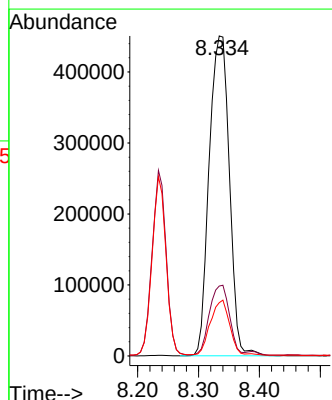
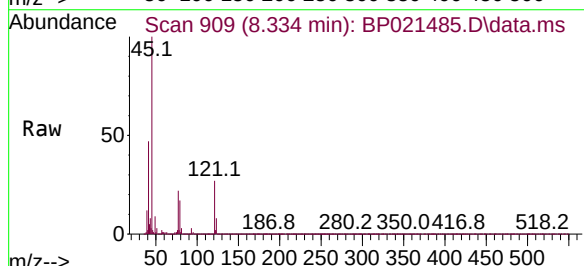
Tgt Ion: 45 Resp: 1035140

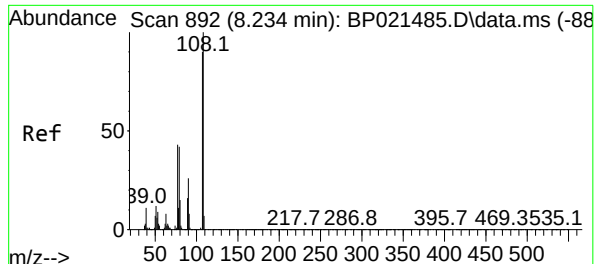
Ion Ratio Lower Upper

45 100

77 21.9 1.9 41.9

79 16.6 0.0 36.6





#17

2-Methylphenol

Concen: 40.102 ng

RT: 8.234 min Scan# 892

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

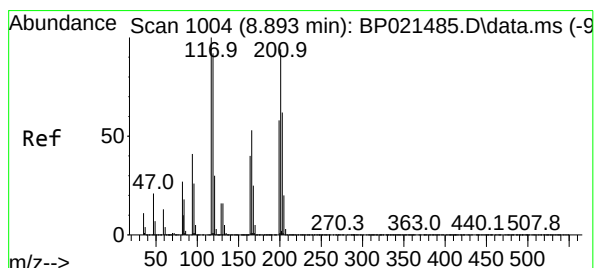
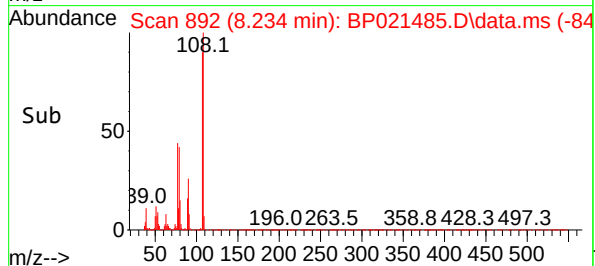
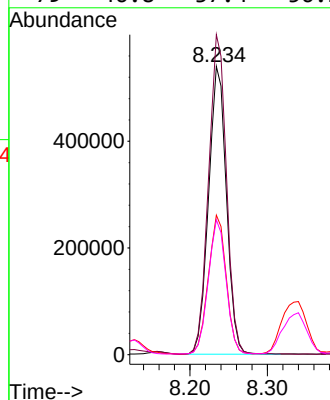
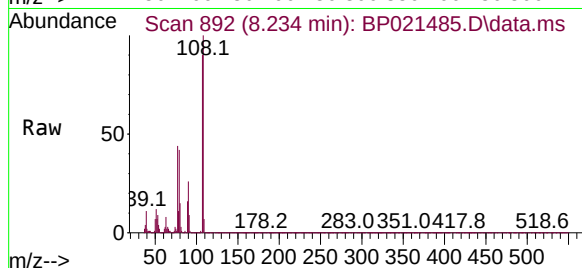
SSTDICCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 863170 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.0 | 88.8  | 133.2  |
| 77       | 48.4  | 38.7  | 58.1   |
| 79       | 46.8  | 37.4  | 56.2   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

Concen: 39.668 ng

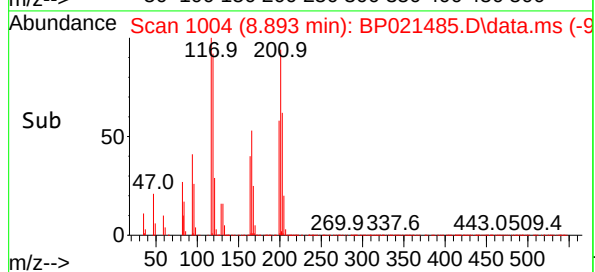
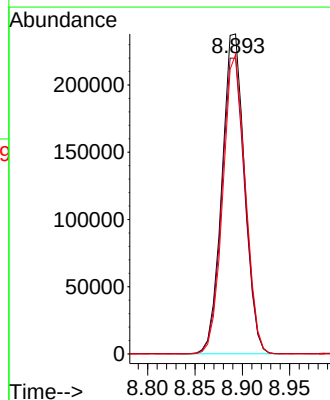
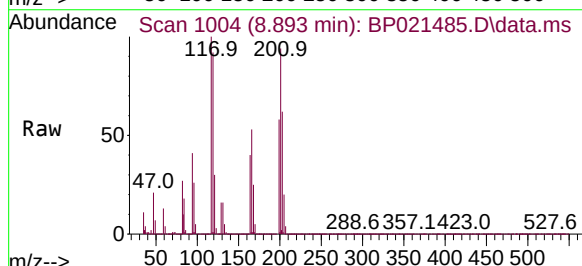
RT: 8.893 min Scan# 1004

Delta R.T. 0.000 min

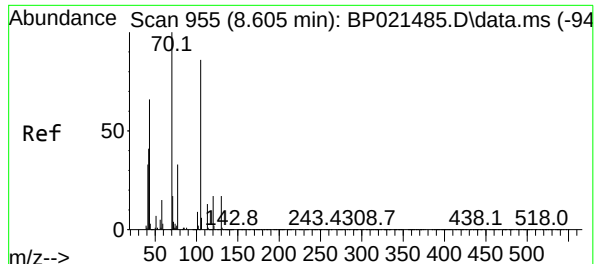
Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 397406 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 92.4  | 73.9  | 110.9  |
| 201      | 93.6  | 74.9  | 112.3  |







#19

n-Nitroso-di-n-propylamine

Concen: 39.497 ng

RT: 8.605 min Scan# 955

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 89705

Ion Ratio Lower Upper

70 100

42 41.4 33.1 49.7

101 9.3 7.4 11.2

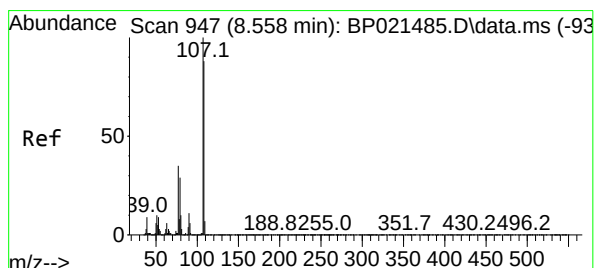
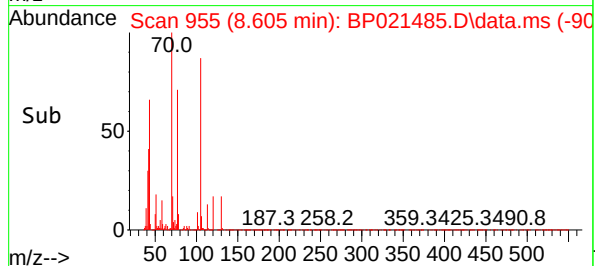
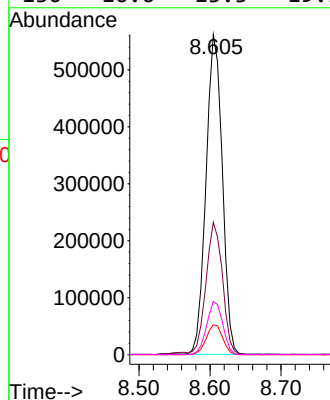
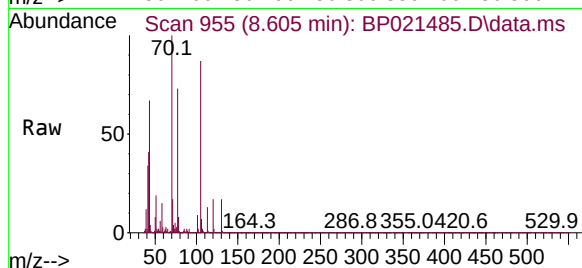
130 16.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

Concen: 40.546 ng

RT: 8.558 min Scan# 947

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1176757

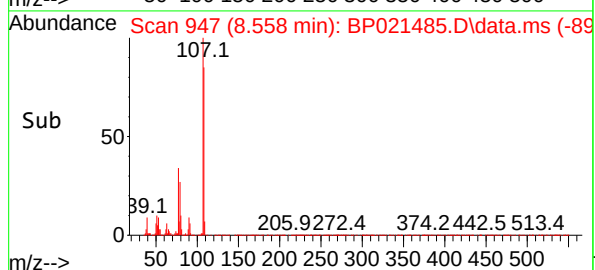
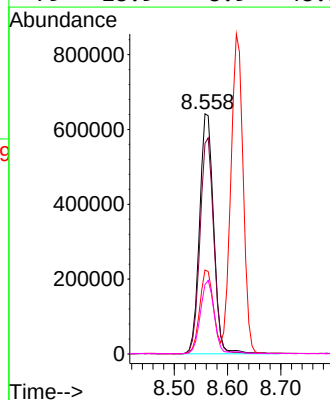
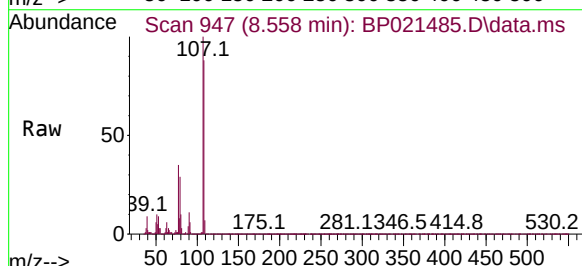
Ion Ratio Lower Upper

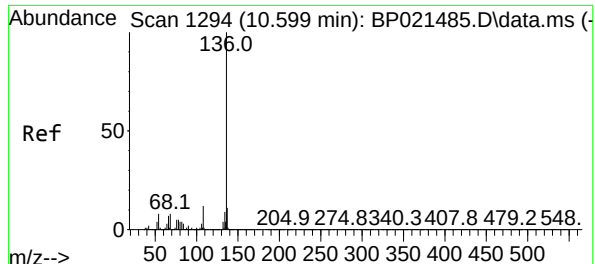
107 100

108 87.6 67.6 107.6

77 35.0 15.0 55.0

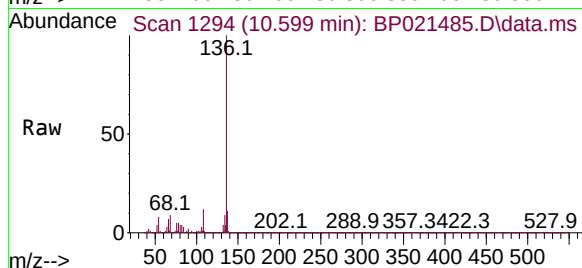
79 28.9 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

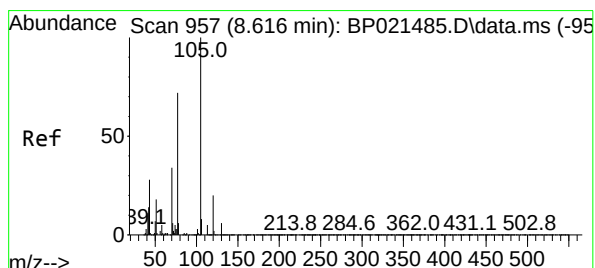
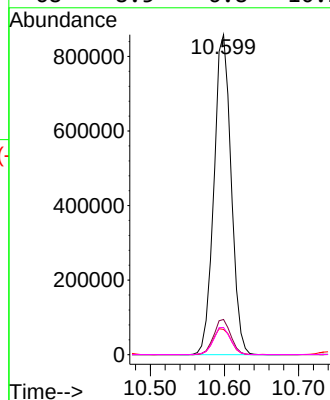
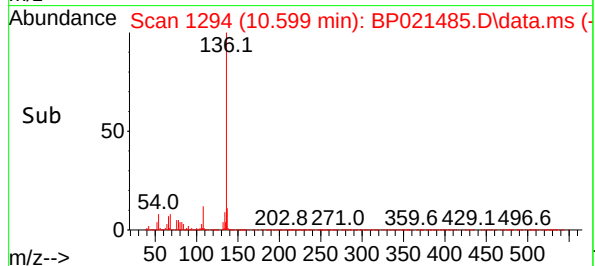
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion:136 Resp: 1379120  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.9 6.3 9.5  
68 8.5 6.8 10.2

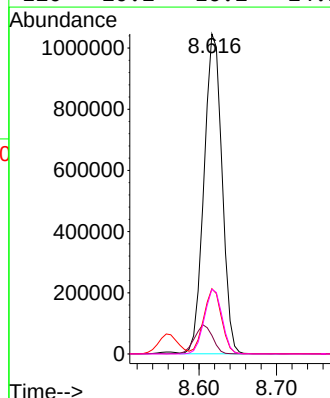
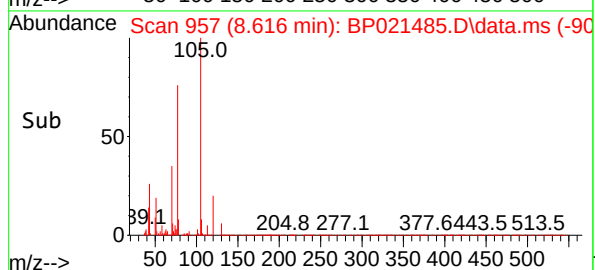
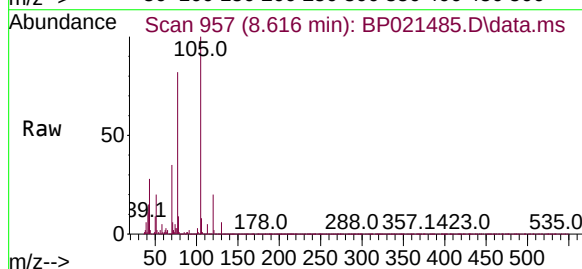
Manual Integrations  
APPROVED

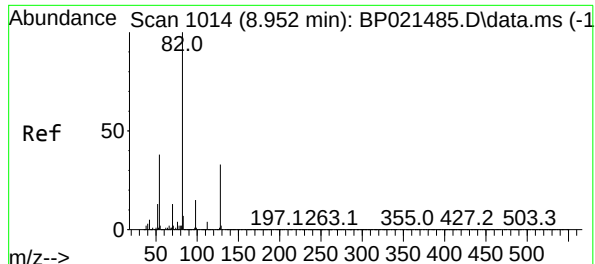
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#22  
Acetophenone  
Concen: 39.846 ng  
RT: 8.616 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:105 Resp: 1688225  
Ion Ratio Lower Upper  
105 100  
71 5.8 4.6 7.0  
51 20.4 16.3 24.5  
120 20.2 16.2 24.2





#23

Nitrobenzene-d5

Concen: 84.675 ng

RT: 8.952 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 2262470

Ion Ratio Lower Upper

82 100

128 33.1 26.5 39.7

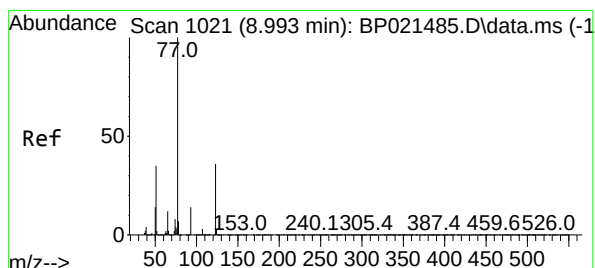
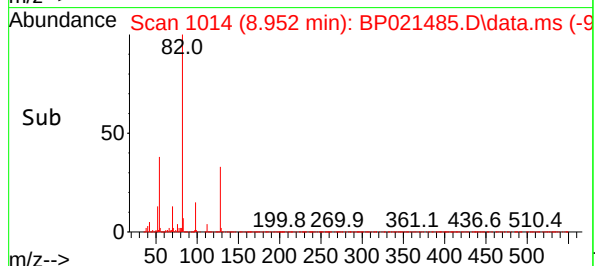
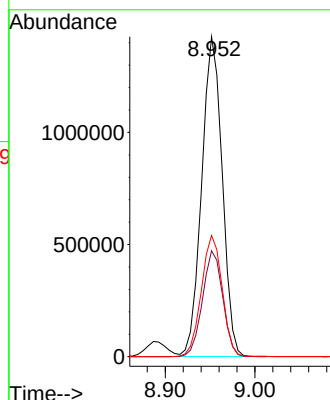
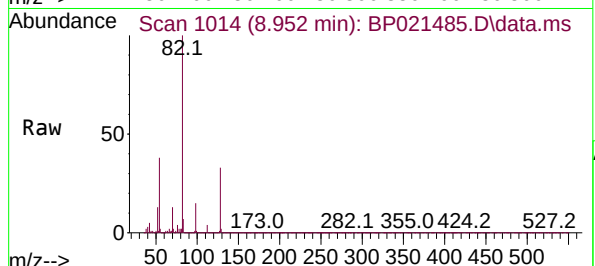
54 37.9 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 42.085 ng

RT: 8.993 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

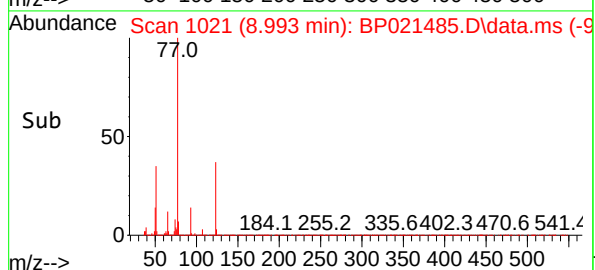
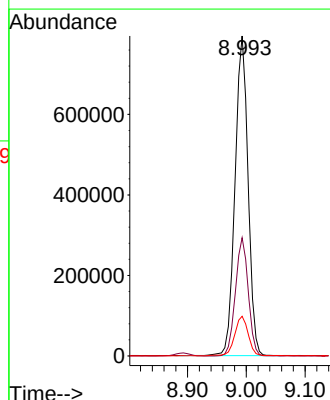
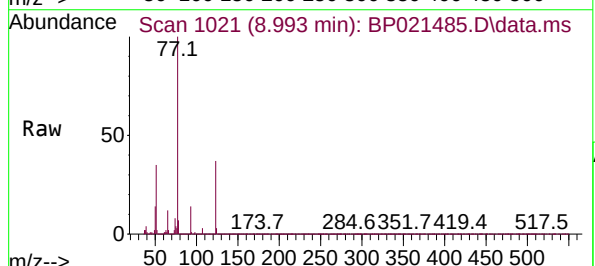
Tgt Ion: 77 Resp: 1221296

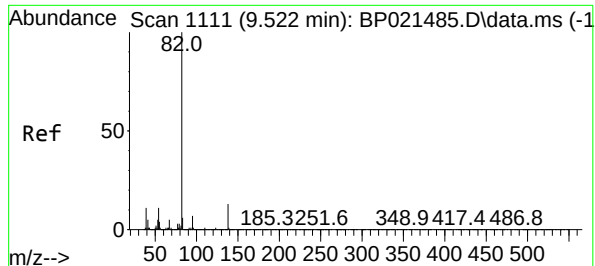
Ion Ratio Lower Upper

77 100

123 36.9 29.5 44.3

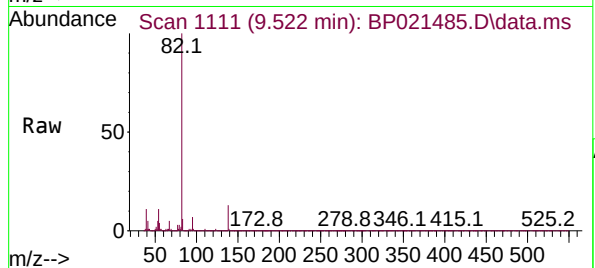
65 12.4 9.9 14.9





#25  
Isophorone  
Concen: 39.915 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

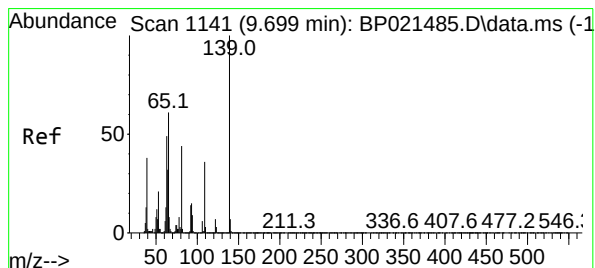
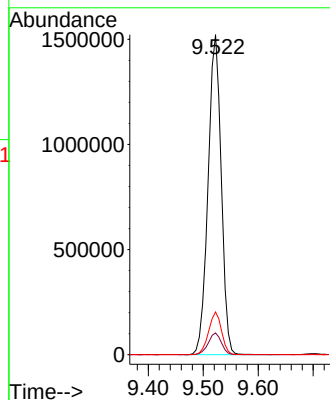
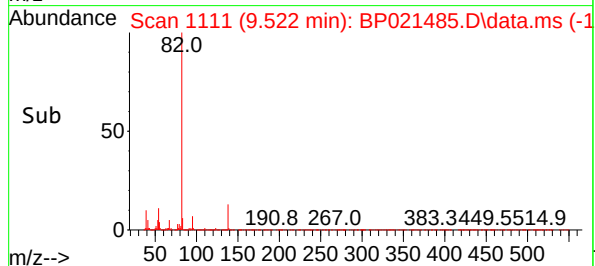
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



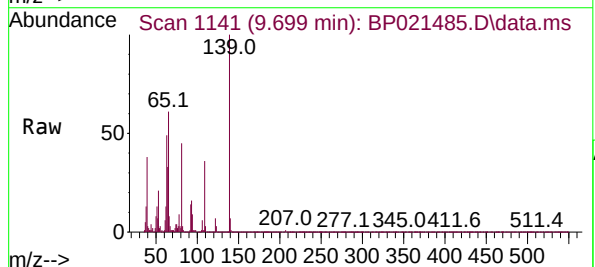
Tgt Ion: 82 Resp: 251953  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.4 8.2  
138 13.3 10.6 16.0

Manual Integrations  
APPROVED

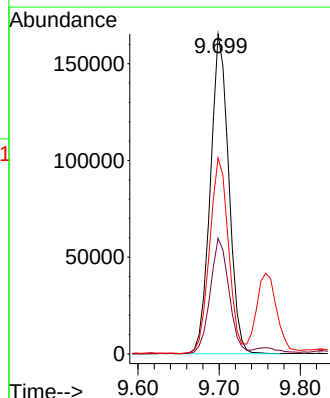
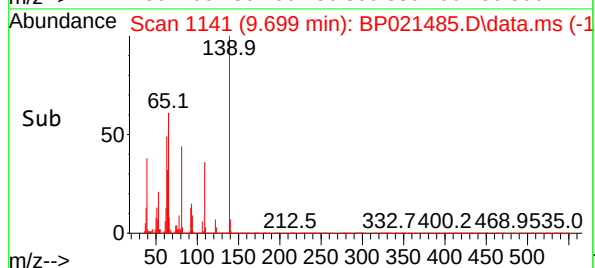
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

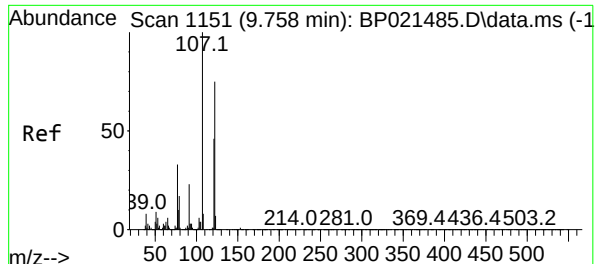


#26  
2-Nitrophenol  
Concen: 39.575 ng  
RT: 9.699 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26



Tgt Ion:139 Resp: 259209  
Ion Ratio Lower Upper  
139 100  
109 36.1 28.9 43.3  
65 61.3 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 39.900 ng

RT: 9.758 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 62155

Ion Ratio Lower Upper

122 100

107 132.8 106.2 159.4

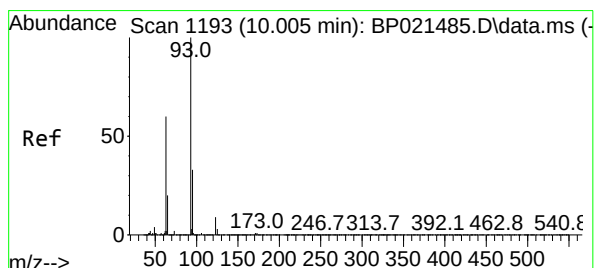
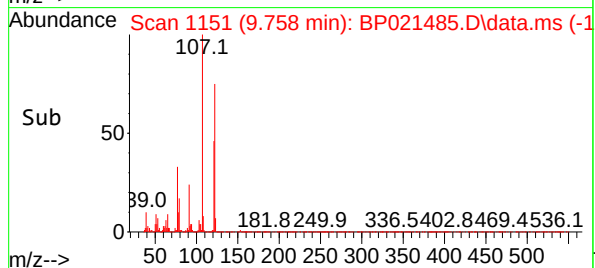
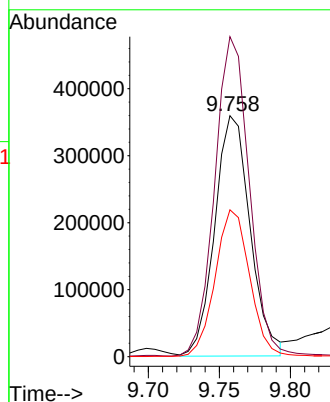
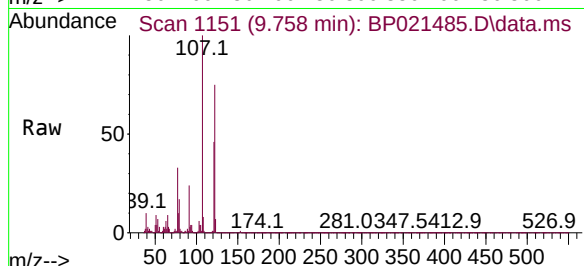
121 61.0 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 39.336 ng

RT: 10.005 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

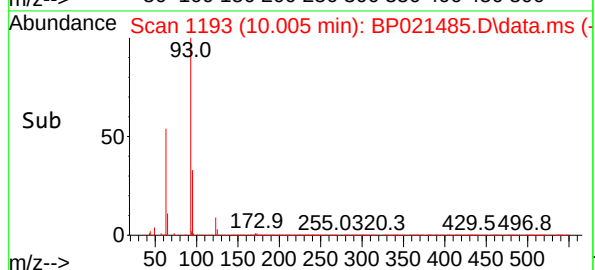
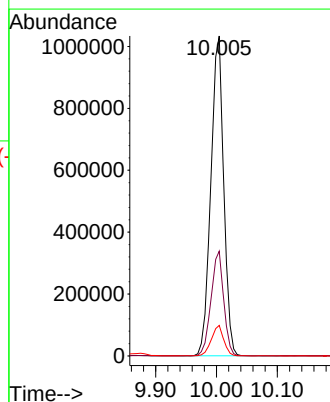
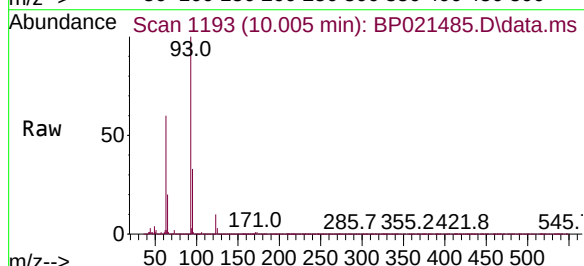
Tgt Ion: 93 Resp: 1515653

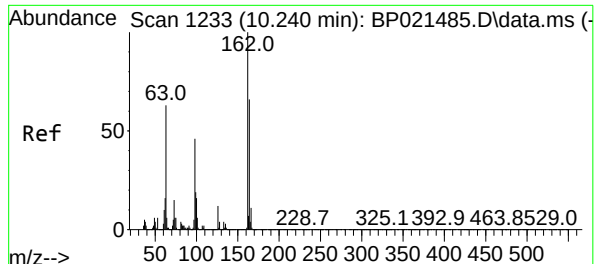
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 9.5 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 40.849 ng

RT: 10.240 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 751870

Ion Ratio Lower Upper

162 100

164 65.9 45.9 85.9

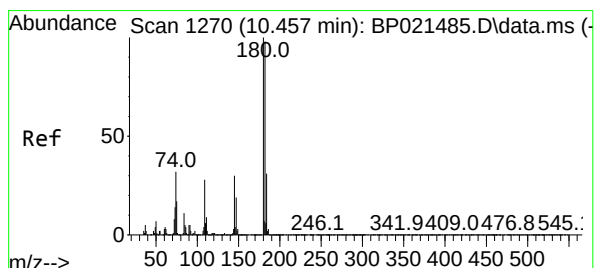
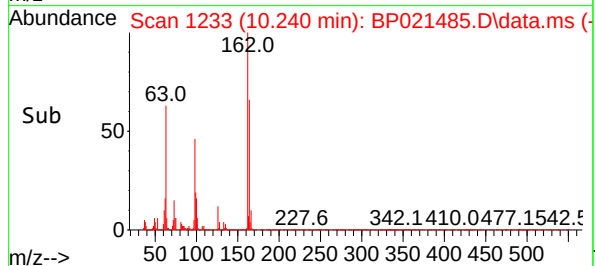
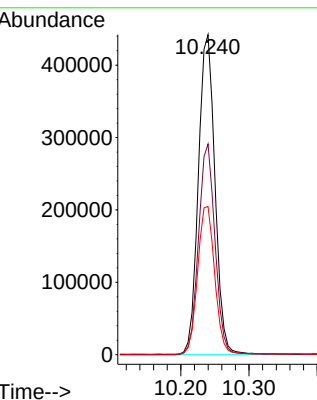
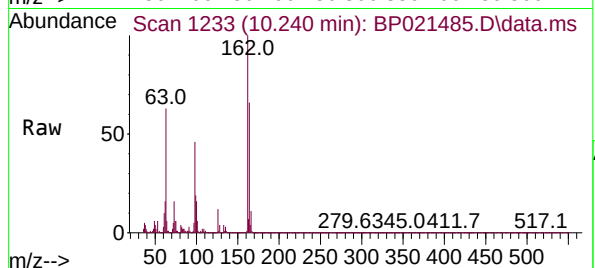
98 46.3 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.757 ng

RT: 10.457 min Scan# 1270

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

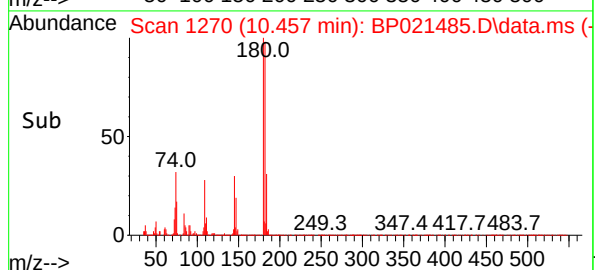
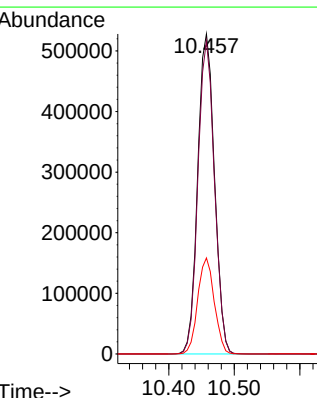
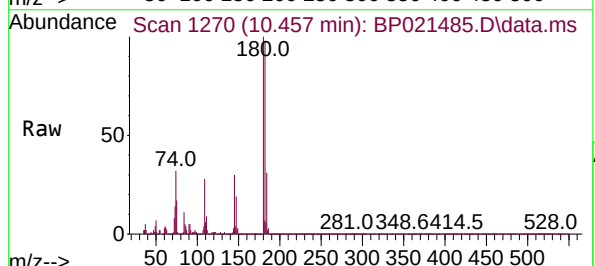
Tgt Ion:180 Resp: 938177

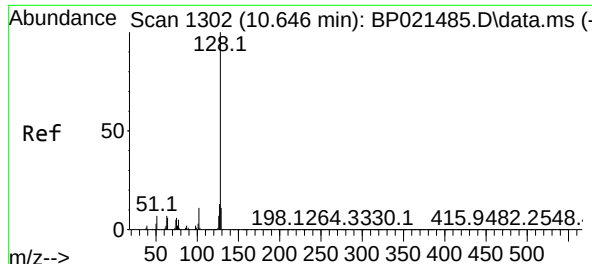
Ion Ratio Lower Upper

180 100

182 97.9 78.3 117.5

145 30.0 24.0 36.0





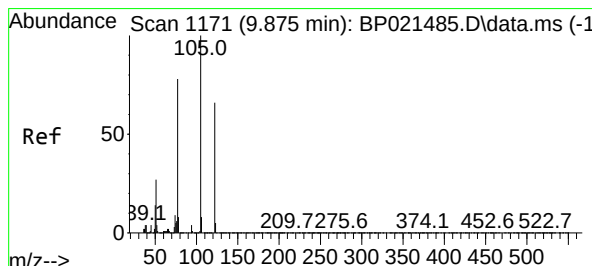
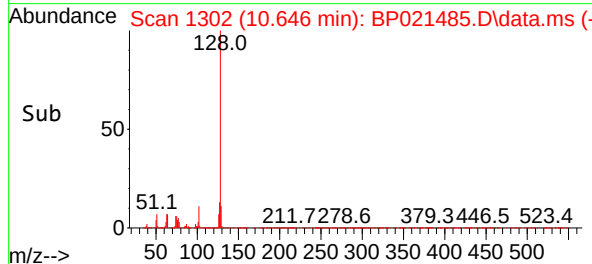
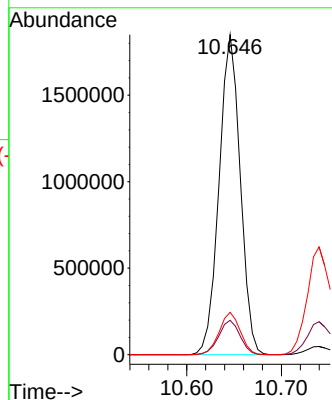
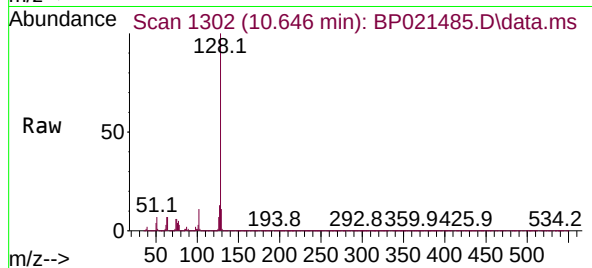
#31  
Naphthalene  
Concen: 39.845 ng  
RT: 10.646 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion:128 Resp: 2870660  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 13.2 10.6 15.8

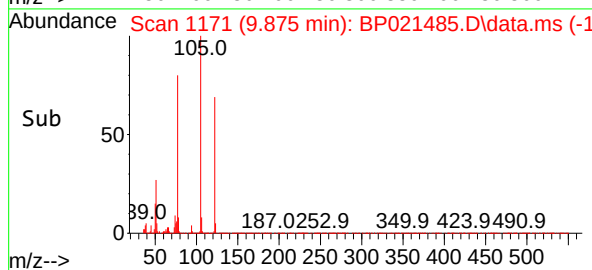
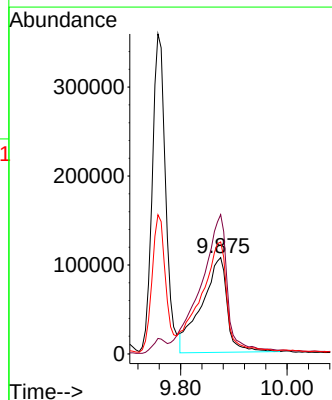
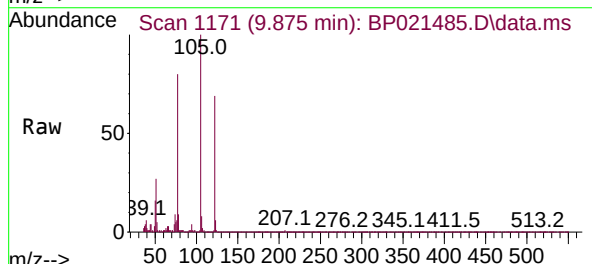
Manual Integrations  
APPROVED

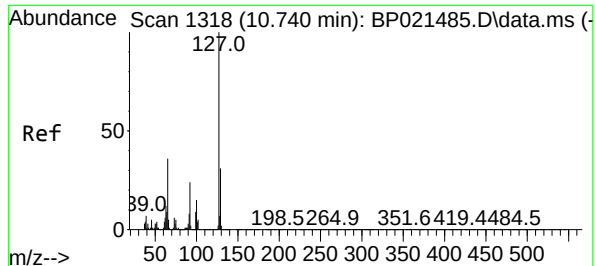
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#32  
Benzoic acid  
Concen: 38.509 ng  
RT: 9.875 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 356582  
Ion Ratio Lower Upper  
122 100  
105 144.6 124.6 164.6  
77 116.2 96.2 136.2





#33

4-Chloroaniline

Concen: 40.303 ng

RT: 10.740 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:127 Resp: 1090714

Ion Ratio Lower Upper

127 100

129 30.6 24.5 36.7

65 36.1 28.9 43.3

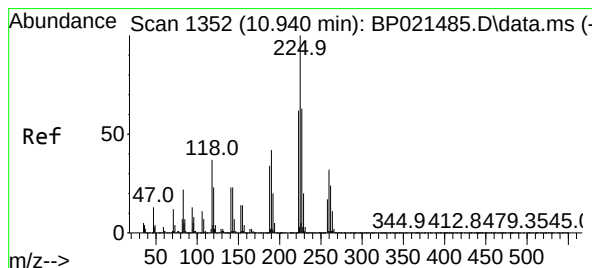
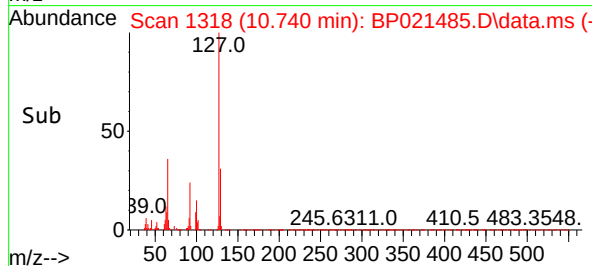
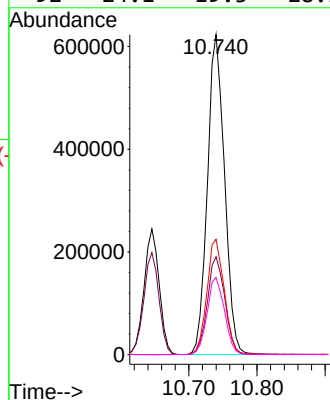
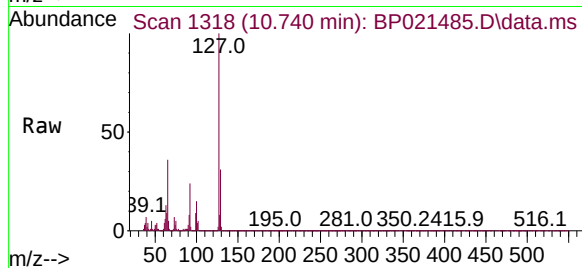
92 24.1 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#34

Hexachlorobutadiene

Concen: 39.989 ng

RT: 10.940 min Scan# 1352

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

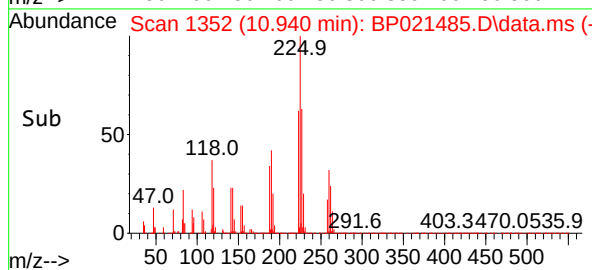
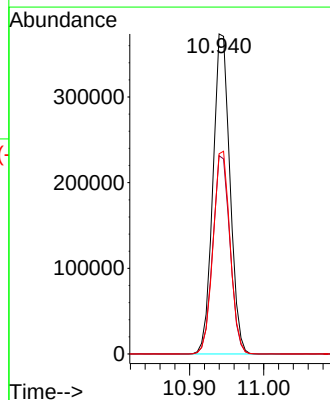
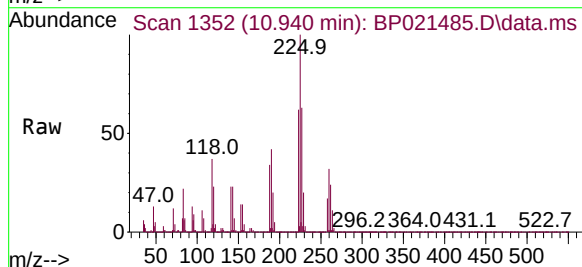
Tgt Ion:225 Resp: 594148

Ion Ratio Lower Upper

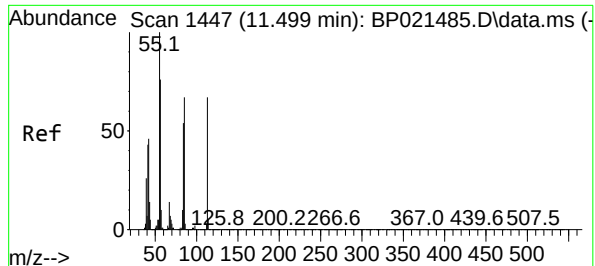
225 100

223 62.0 49.6 74.4

227 62.6 50.1 75.1

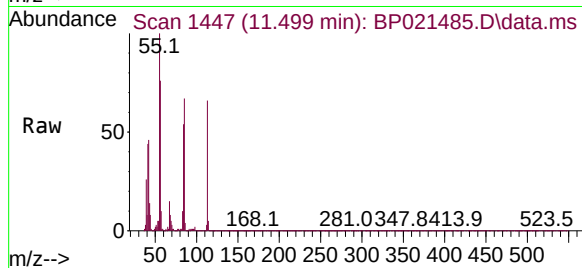






#35  
Caprolactam  
Concen: 41.005 ng  
RT: 11.499 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

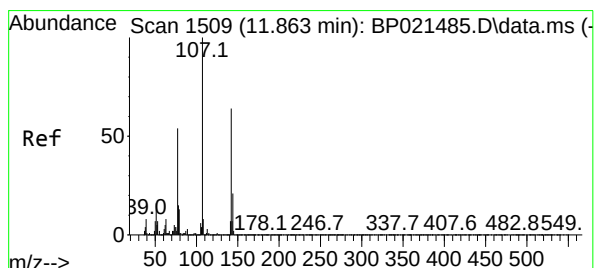
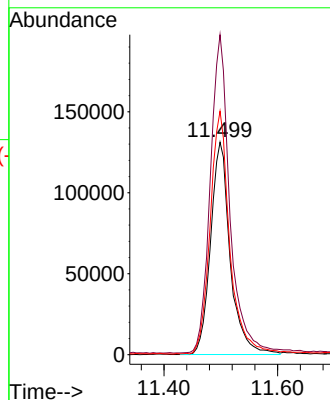
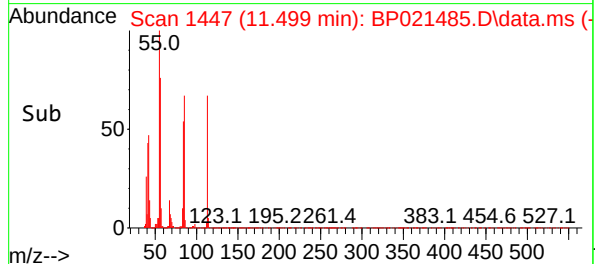
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion:113 Resp: 314109  
Ion Ratio Lower Upper  
113 100  
55 150.6 130.6 170.6  
56 114.6 94.6 134.6

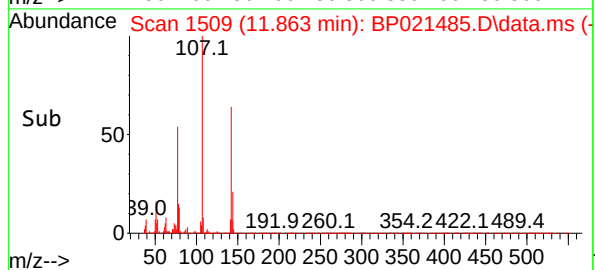
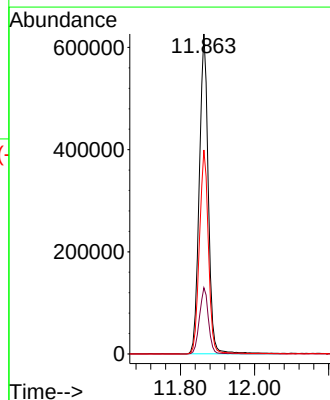
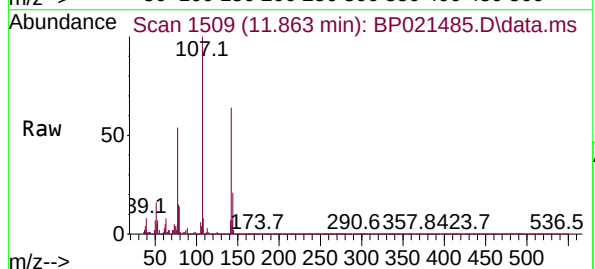
Manual Integrations  
APPROVED

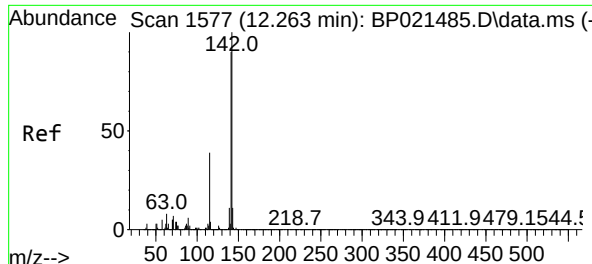
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#36  
4-Chloro-3-methylphenol  
Concen: 41.323 ng  
RT: 11.863 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1055054  
Ion Ratio Lower Upper  
107 100  
144 20.7 16.6 24.8  
142 63.7 51.0 76.4





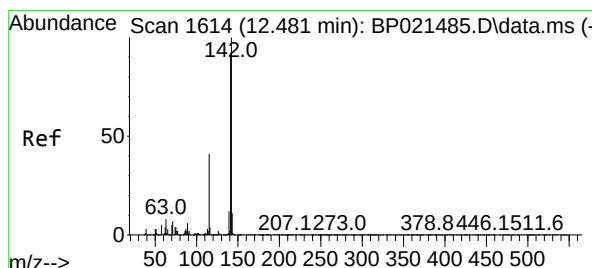
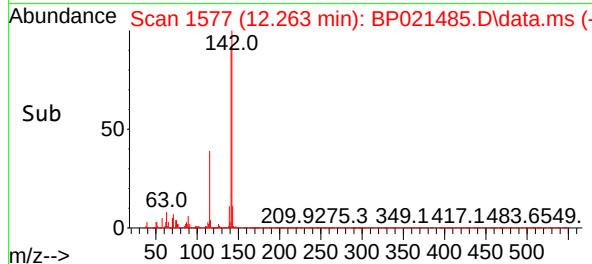
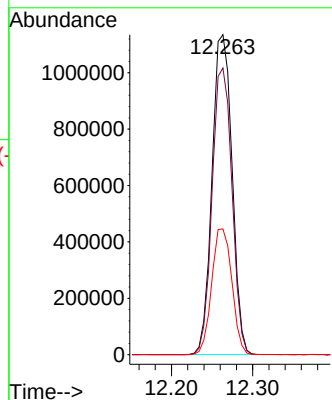
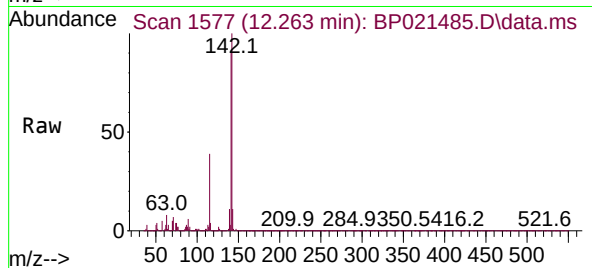
#37  
2-Methylnaphthalene  
Concen: 39.550 ng  
RT: 12.263 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040

Tgt Ion:142 Resp: 1944719  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.7 107.5  
115 39.3 31.4 47.2

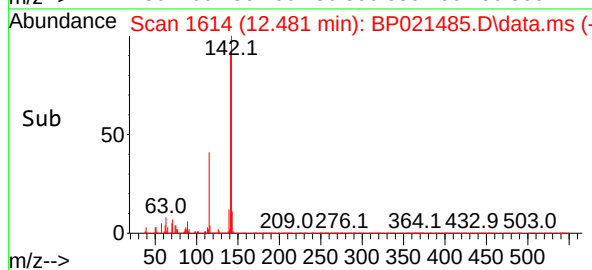
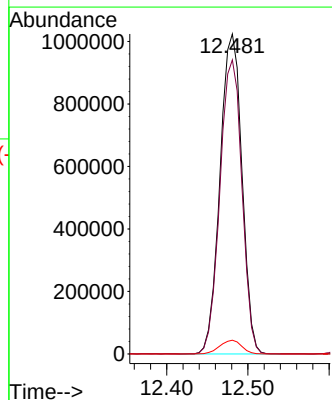
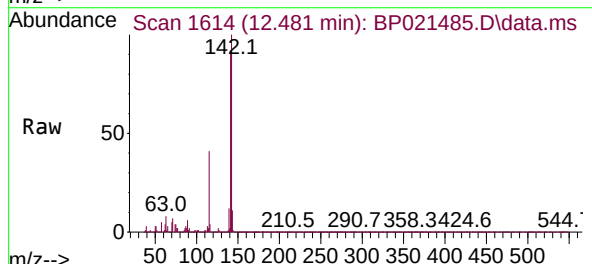
Manual Integrations  
APPROVED

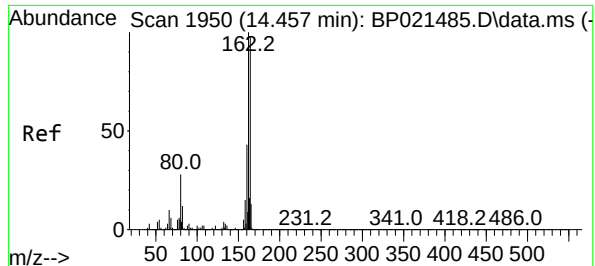
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#38  
1-Methylnaphthalene  
Concen: 39.621 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 1921454  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.5 110.3  
116 4.3 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

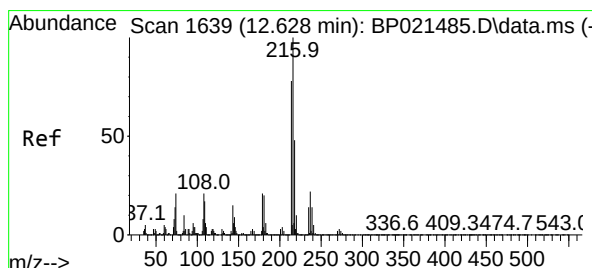
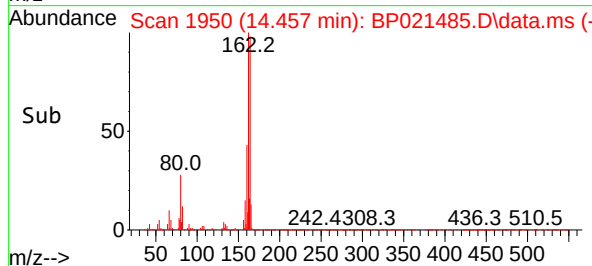
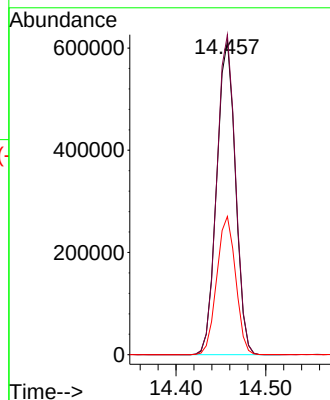
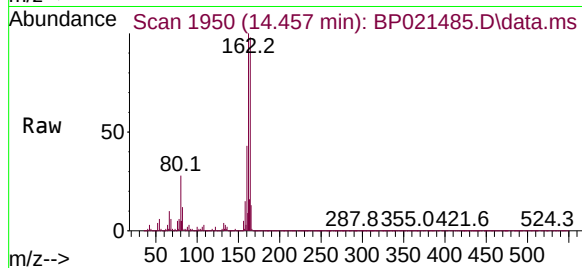
ClientSampleId :

SSTDICCC040

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 890240 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.9 | 81.5  | 122.3  |
| 160       | 44.0  | 35.2  | 52.8   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.588 ng

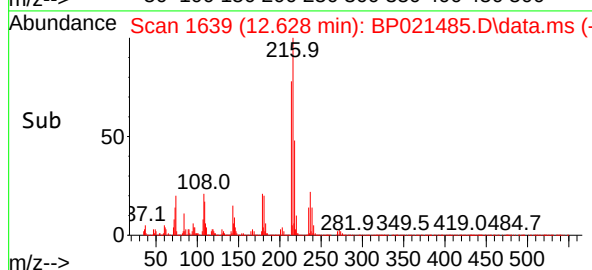
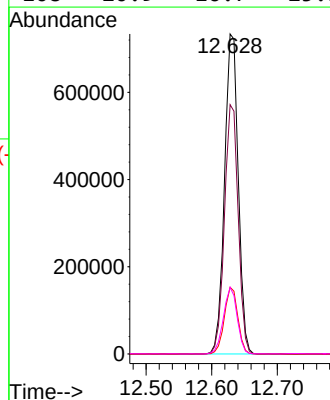
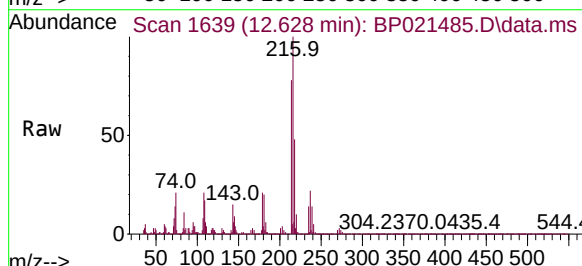
RT: 12.628 min Scan# 1639

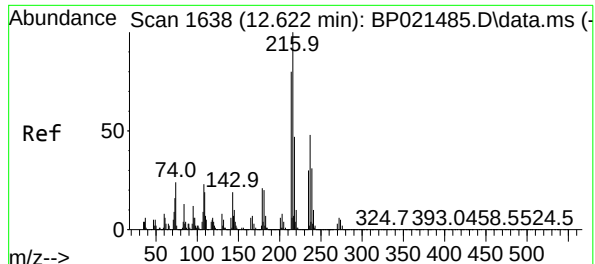
Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

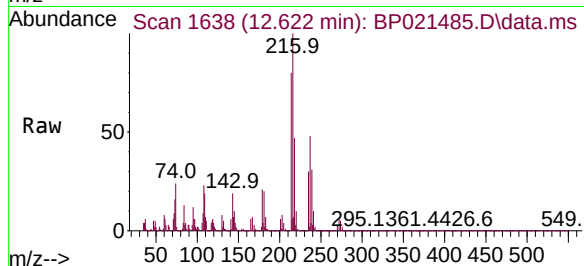
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 216   | Resp: | 1058707 |
| Ion Ratio | Lower | Upper |         |
| 216       | 100   |       |         |
| 214       | 78.1  | 62.5  | 93.7    |
| 179       | 20.5  | 16.4  | 24.6    |
| 108       | 20.9  | 16.7  | 25.1    |





#41  
Hexachlorocyclopentadiene  
Concen: 41.293 ng  
RT: 12.622 min Scan# 1638  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

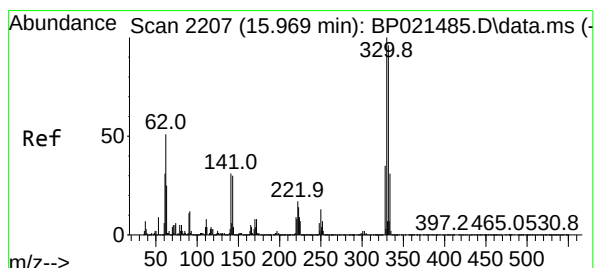
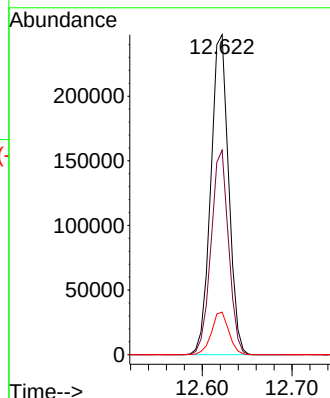
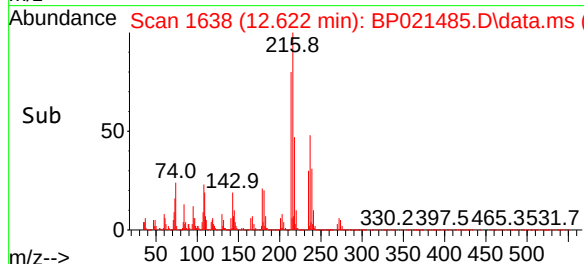
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion: 237 Resp: 341369  
Ion Ratio Lower Upper  
237 100  
235 63.9 43.9 83.9  
272 13.3 0.0 33.3

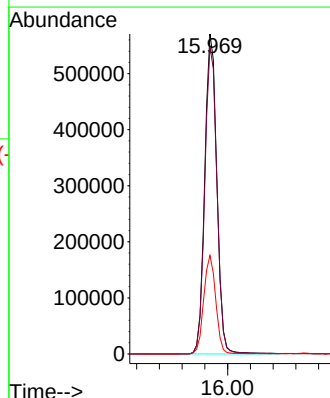
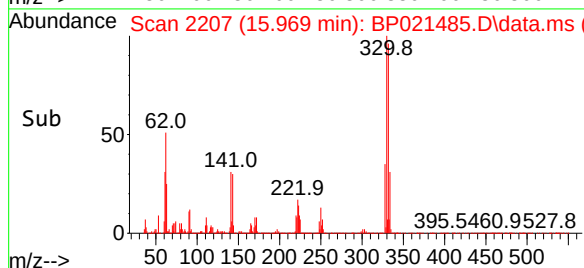
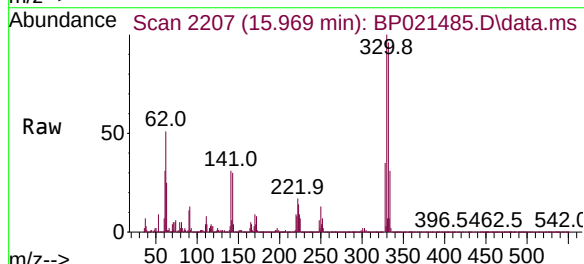
Manual Integrations  
APPROVED

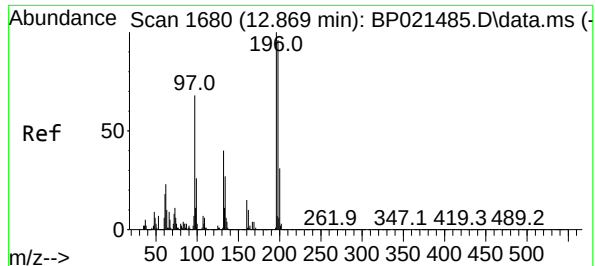
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#42  
2,4,6-Tribromophenol  
Concen: 84.855 ng  
RT: 15.969 min Scan# 2207  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 330 Resp: 840745  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.4 116.0  
141 30.6 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 42.100 ng

RT: 12.869 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

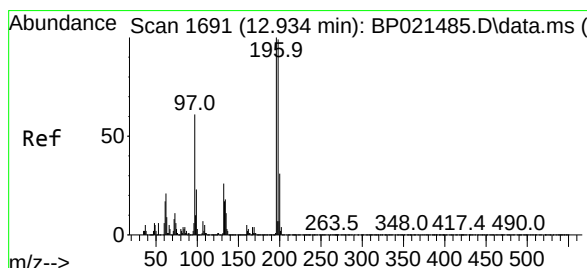
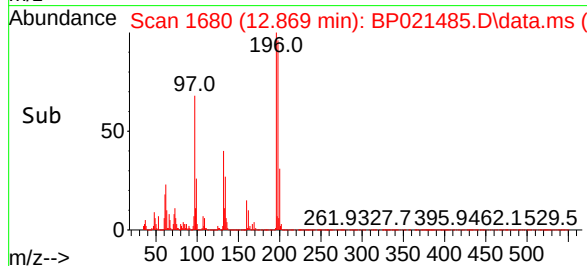
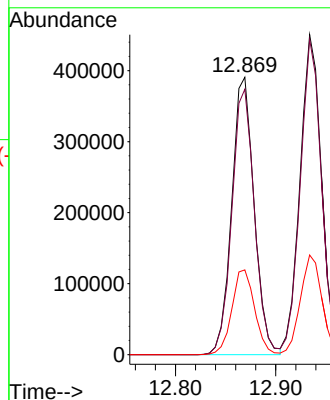
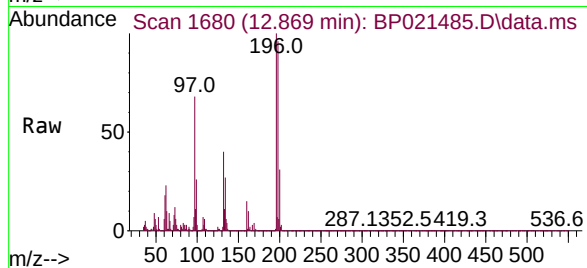
SSTDICCC040

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 61000 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 95.7  | 76.6  | 114.8 |
| 200       | 30.6  | 24.5  | 36.7  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 42.300 ng

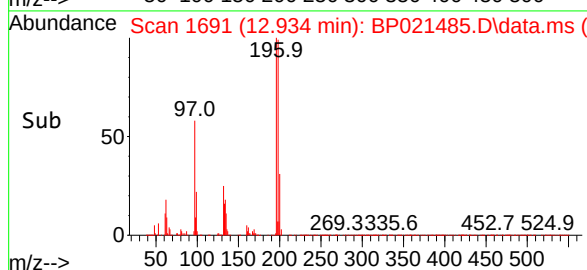
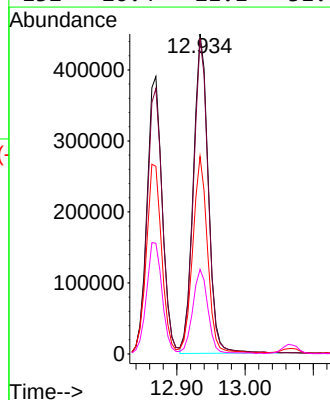
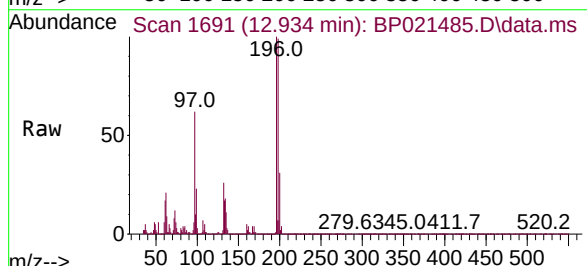
RT: 12.934 min Scan# 1691

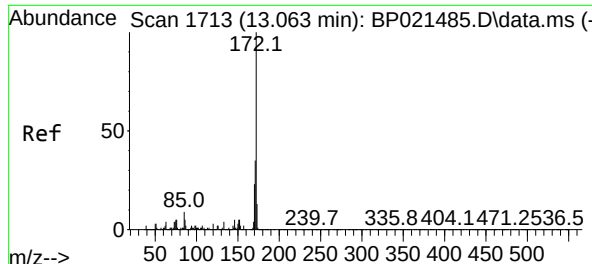
Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 680956 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 98.6  | 78.9  | 118.3  |
| 97        | 61.7  | 49.4  | 74.0   |
| 132       | 26.4  | 21.1  | 31.7   |





#45

2-Fluorobiphenyl

Concen: 81.001 ng

RT: 13.063 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 472498

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

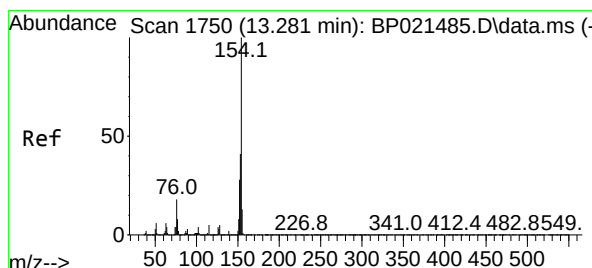
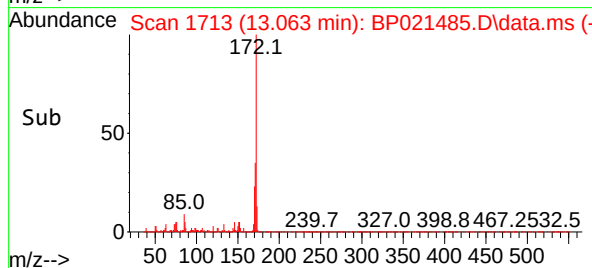
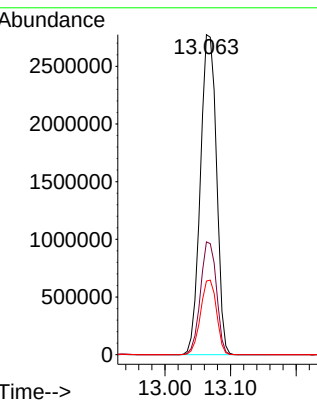
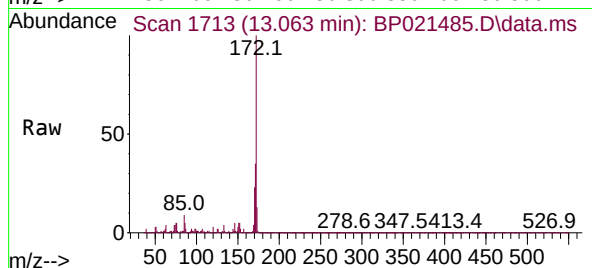
170 23.0 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#46

1,1'-Biphenyl

Concen: 40.370 ng

RT: 13.281 min Scan# 1750

Delta R.T. -0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

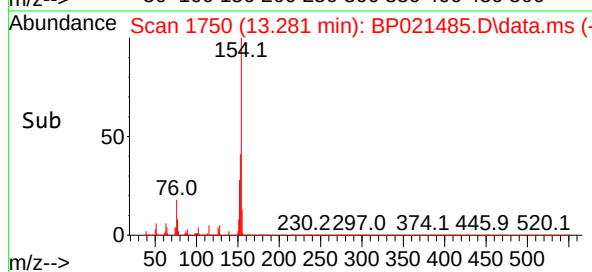
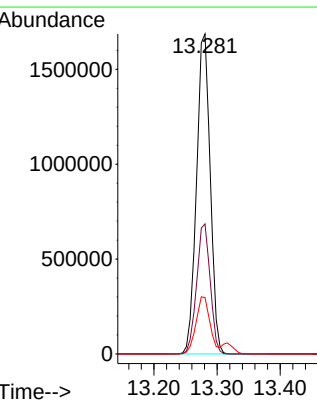
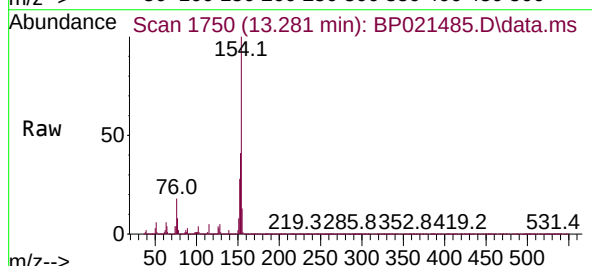
Tgt Ion:154 Resp: 2542708

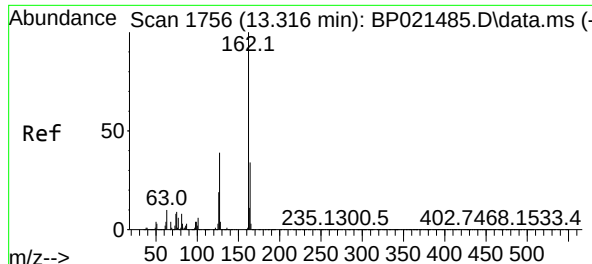
Ion Ratio Lower Upper

154 100

153 40.7 20.7 60.7

76 17.7 0.0 37.7





#47

2-Chloronaphthalene

Concen: 40.538 ng

RT: 13.316 min Scan# 1756

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 1987834

Ion Ratio Lower Upper

162 100

127 39.9 31.9 47.9

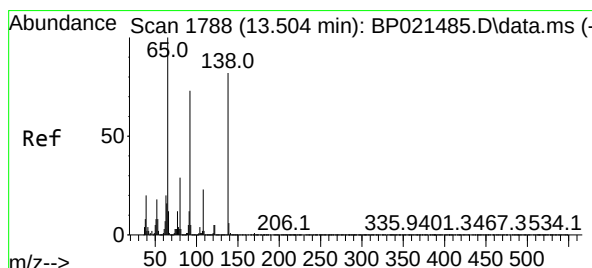
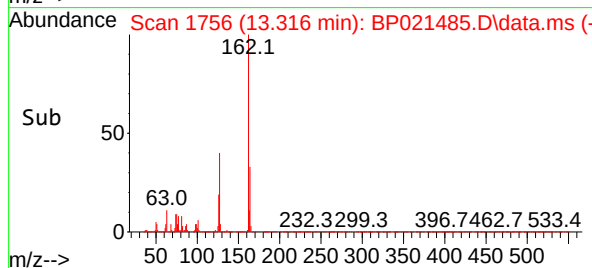
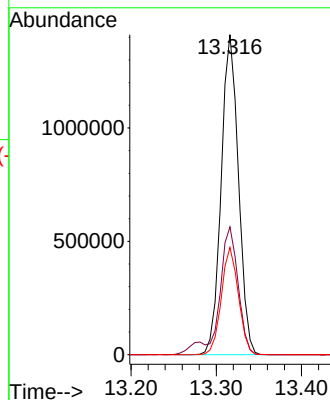
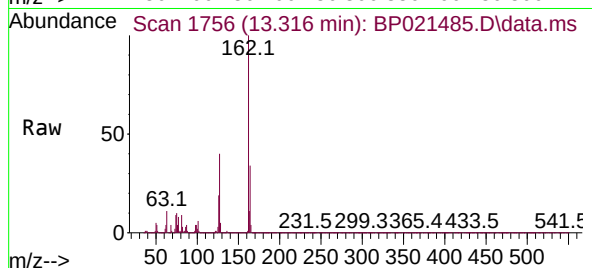
164 33.5 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 38.074 ng

RT: 13.504 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

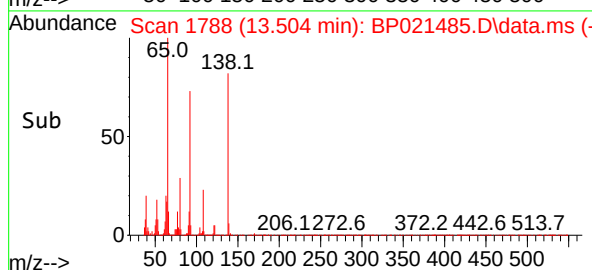
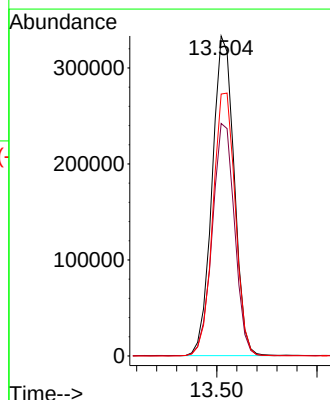
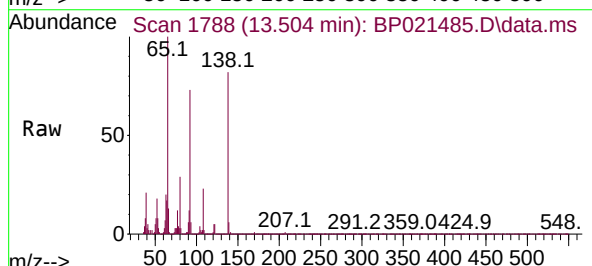
Tgt Ion: 65 Resp: 506883

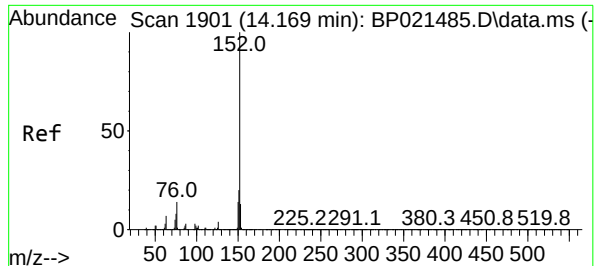
Ion Ratio Lower Upper

65 100

92 72.6 58.1 87.1

138 81.9 65.5 98.3





#49

Acenaphthylene

Concen: 40.630 ng

RT: 14.169 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

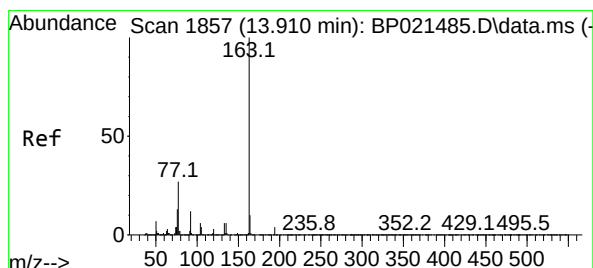
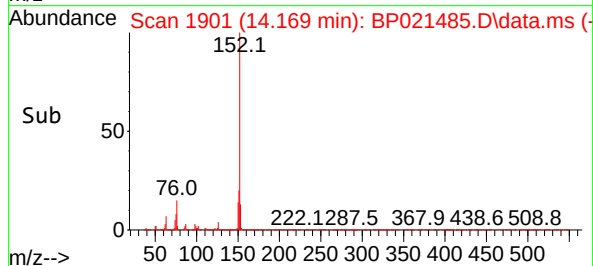
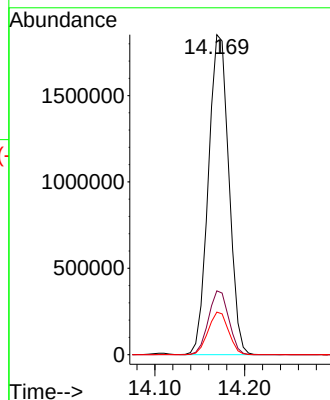
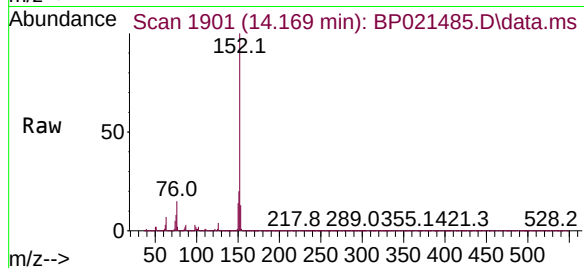
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 152   | Resp: | 2928814 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 19.9  | 15.9  | 23.9    |
| 153      | 13.3  | 10.6  | 16.0    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 40.392 ng

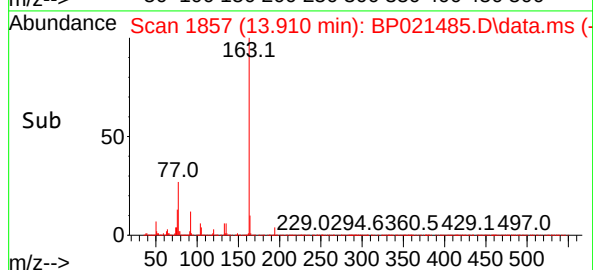
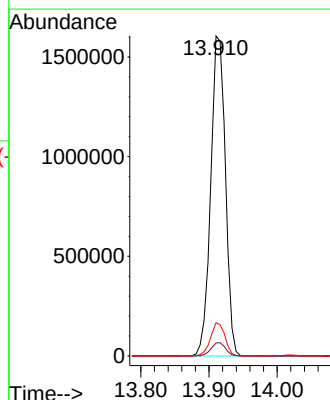
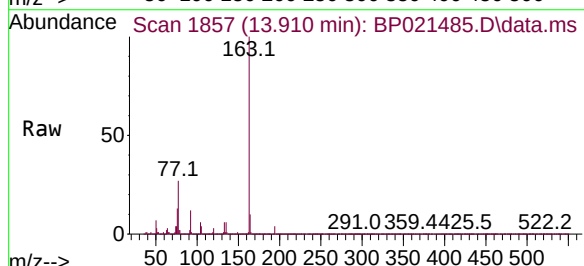
RT: 13.910 min Scan# 1857

Delta R.T. 0.000 min

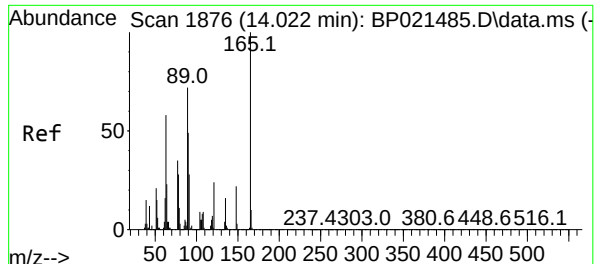
Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 163   | Resp: | 2408078 |
| Ion      | Ratio | Lower | Upper   |
| 163      | 100   |       |         |
| 194      | 4.1   | 3.3   | 4.9     |
| 164      | 10.4  | 8.3   | 12.5    |







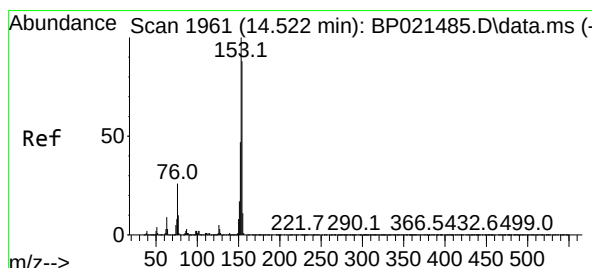
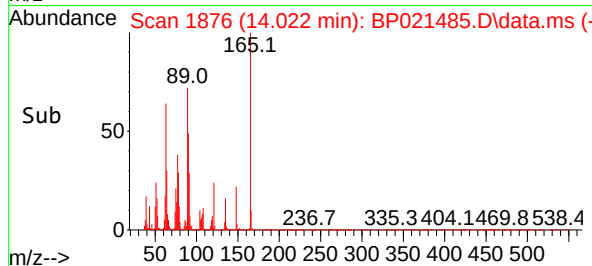
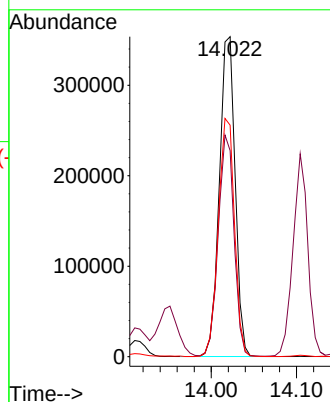
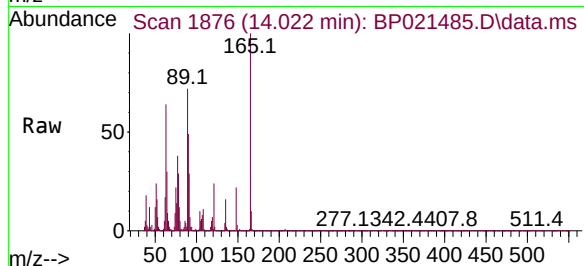
#51  
2,6-Dinitrotoluene  
Concen: 38.650 ng  
RT: 14.022 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion:165 Resp: 45468  
Ion Ratio Lower Upper  
165 100  
63 64.4 51.5 77.3  
89 72.3 57.8 86.8

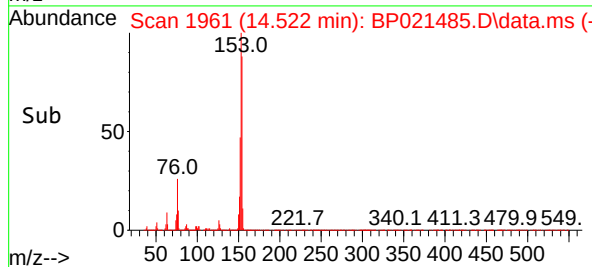
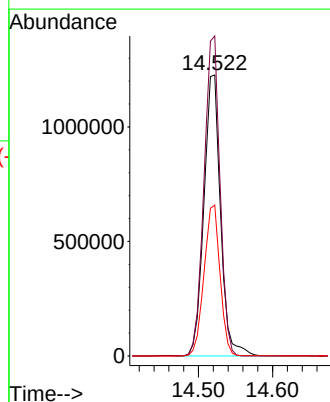
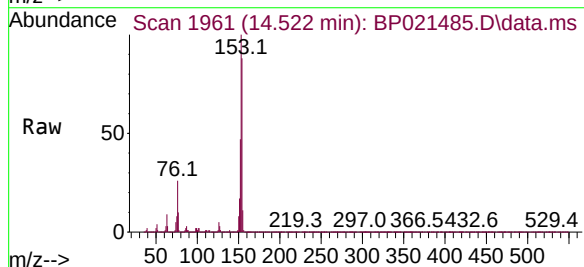
Manual Integrations  
APPROVED

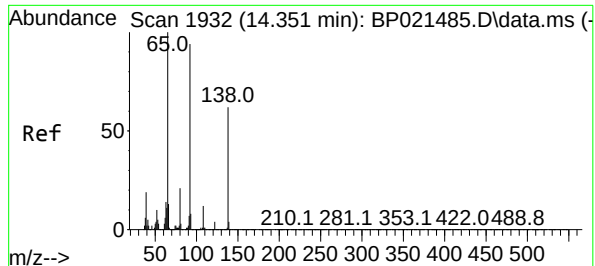
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#52  
Acenaphthene  
Concen: 40.406 ng  
RT: 14.522 min Scan# 1961  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

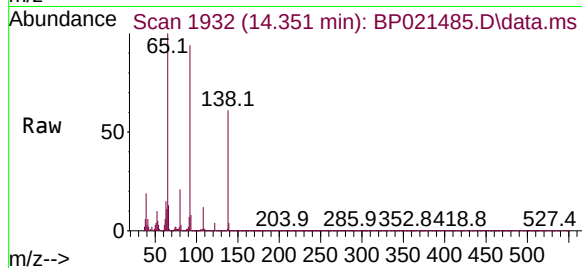
Tgt Ion:154 Resp: 1911119  
Ion Ratio Lower Upper  
154 100  
153 113.9 91.1 136.7  
152 53.7 43.0 64.4





#53  
3-Nitroaniline  
Concen: 39.107 ng  
RT: 14.351 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

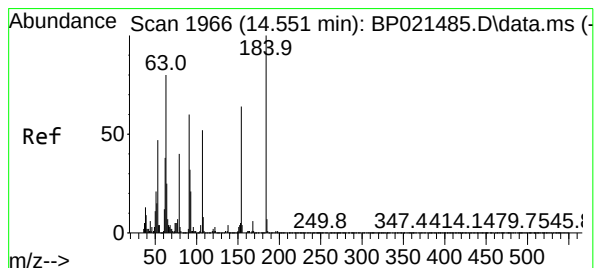
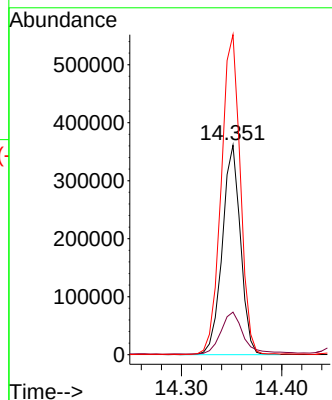
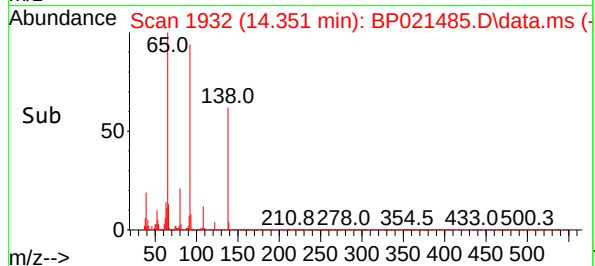
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion:138 Resp: 452937  
Ion Ratio Lower Upper  
138 100  
108 20.3 16.2 24.4  
92 152.8 122.2 183.4

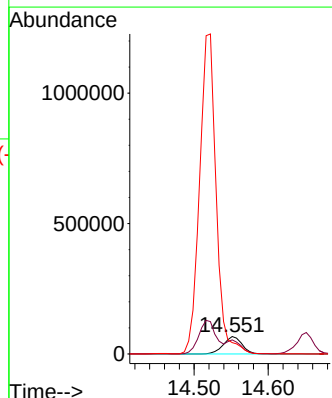
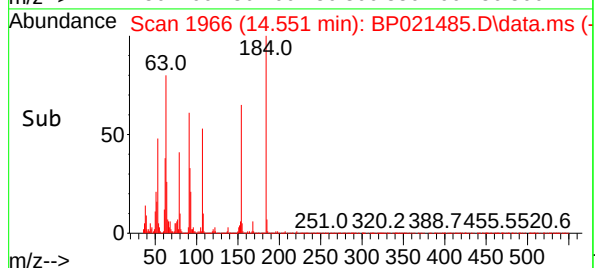
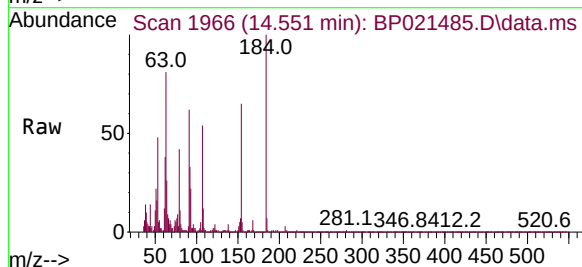
Manual Integrations  
APPROVED

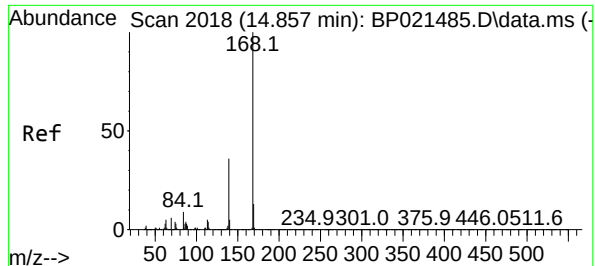
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#54  
2,4-Dinitrophenol  
Concen: 38.943 ng  
RT: 14.551 min Scan# 1966  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 116797  
Ion Ratio Lower Upper  
184 100  
63 81.1 64.9 97.3  
154 65.1 52.1 78.1





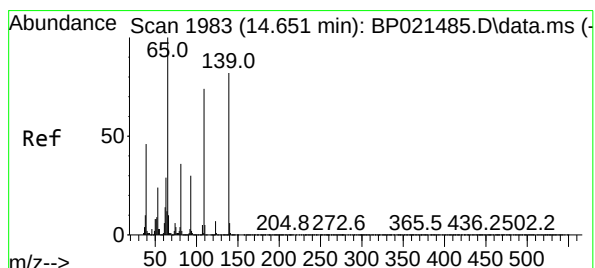
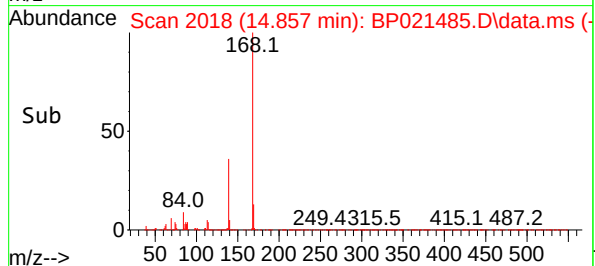
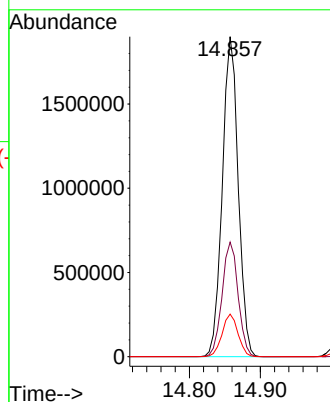
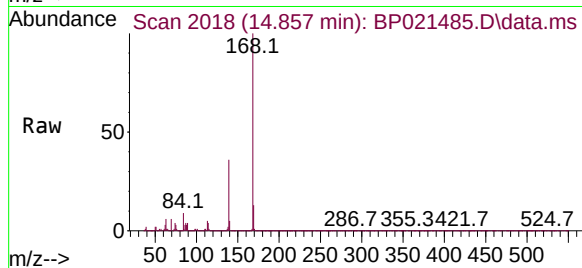
#55  
Dibenzenofuran  
Concen: 40.359 ng  
RT: 14.857 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040

Tgt Ion:168 Resp: 293651  
Ion Ratio Lower Upper  
168 100  
139 35.8 28.6 43.0  
169 13.3 10.6 16.0

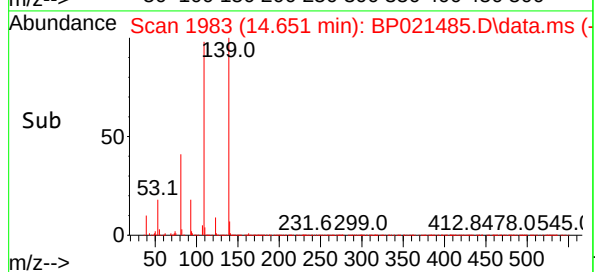
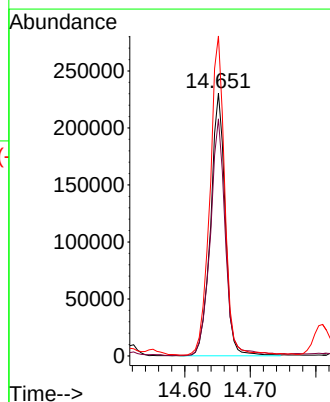
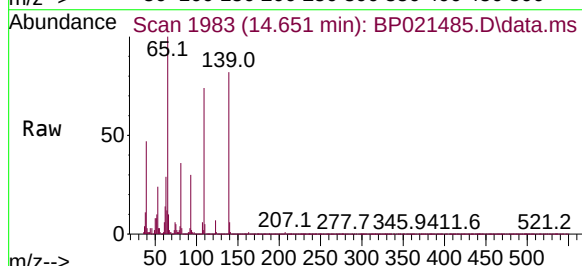
Manual Integrations  
APPROVED

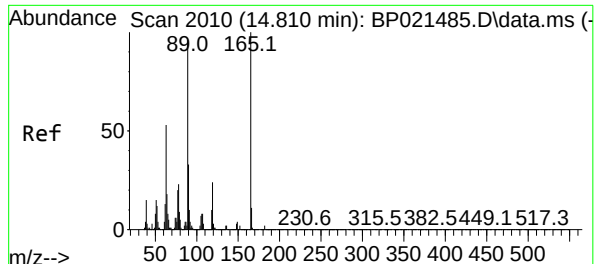
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#56  
4-Nitrophenol  
Concen: 39.073 ng  
RT: 14.651 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 358912  
Ion Ratio Lower Upper  
139 100  
109 90.2 70.2 110.2  
65 121.8 101.8 141.8





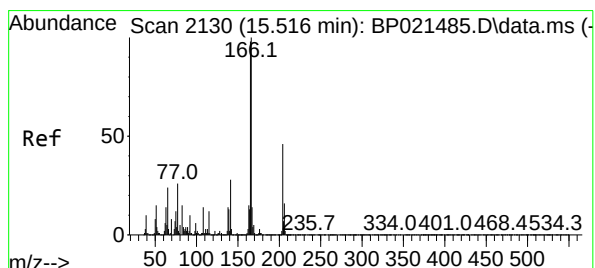
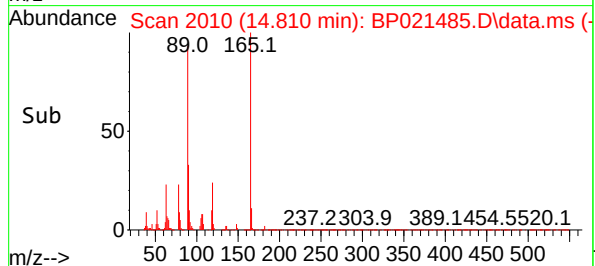
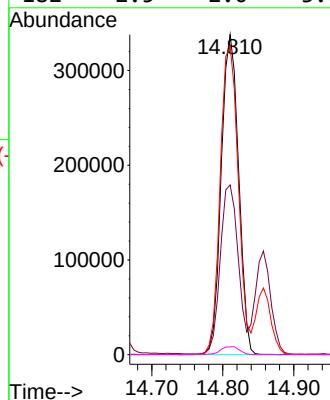
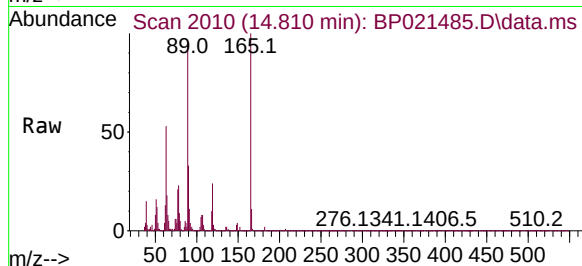
#57  
2,4-Dinitrotoluene  
Concen: 38.397 ng  
RT: 14.810 min Scan# 2010  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040

Tgt Ion:165 Resp: 57022  
Ion Ratio Lower Upper  
165 100  
63 53.1 42.5 63.7  
89 96.4 77.1 115.7  
182 2.5 2.0 3.0

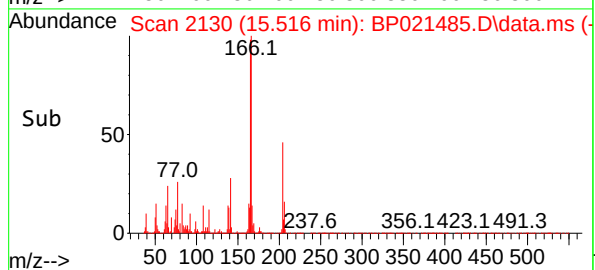
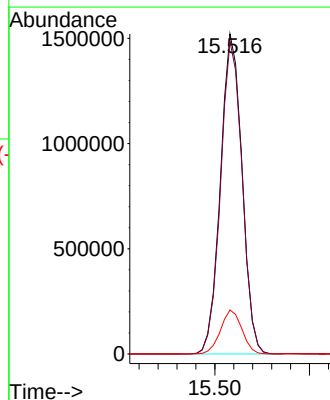
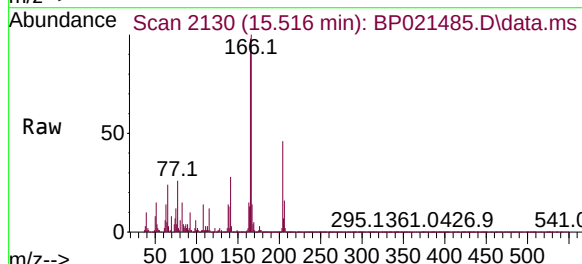
Manual Integrations  
APPROVED

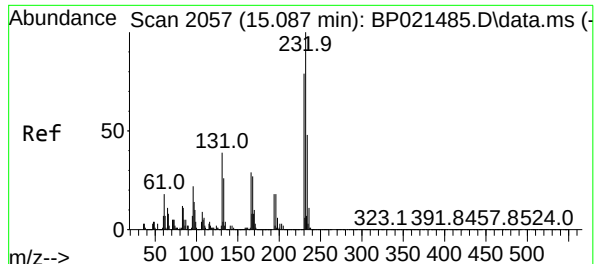
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#58  
Fluorene  
Concen: 40.326 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:166 Resp: 2410461  
Ion Ratio Lower Upper  
166 100  
165 97.6 78.1 117.1  
167 13.7 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.766 ng

RT: 15.087 min Scan# 2057

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:232 Resp: 58435

Ion Ratio Lower Upper

232 100

131 41.4 33.1 49.7

130 2.1 1.7 2.5

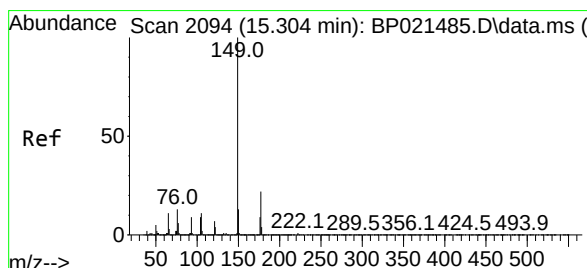
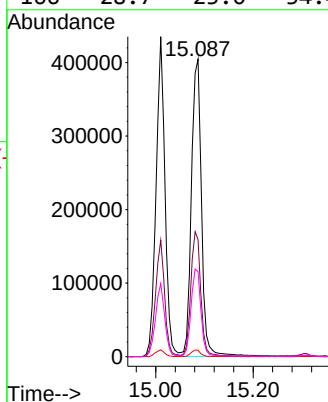
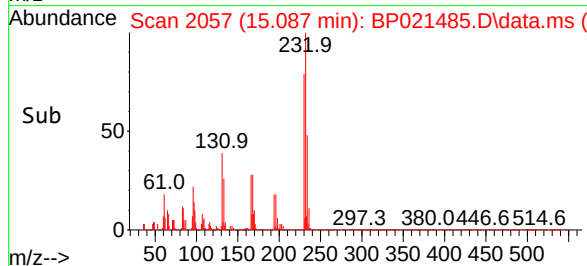
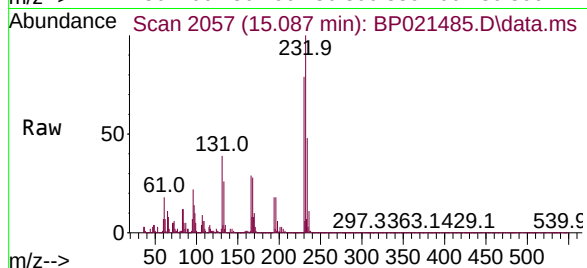
166 28.7 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#60

Diethylphthalate

Concen: 40.656 ng

RT: 15.304 min Scan# 2094

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

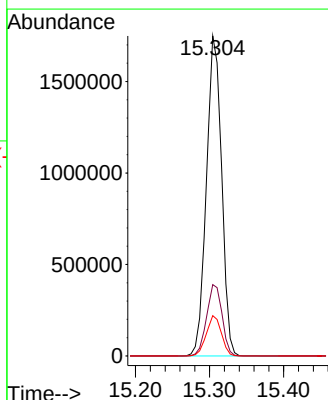
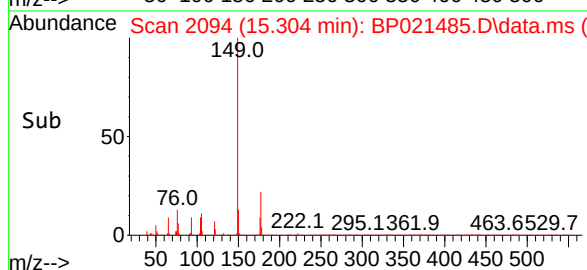
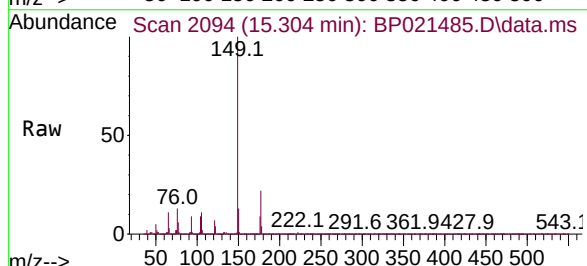
Tgt Ion:149 Resp: 2486968

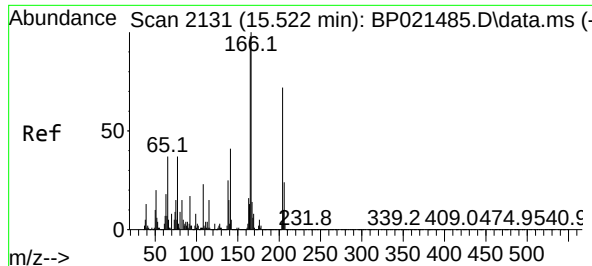
Ion Ratio Lower Upper

149 100

177 22.3 17.8 26.8

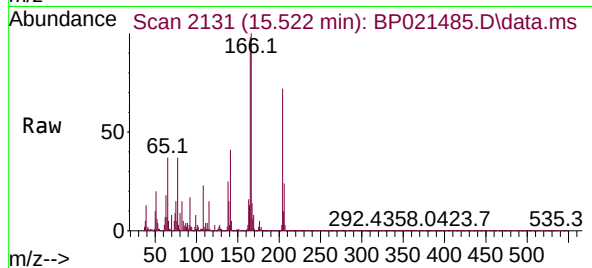
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 40.022 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

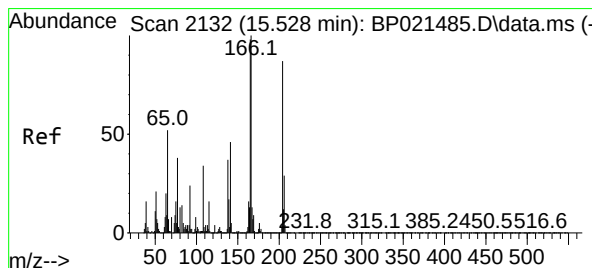
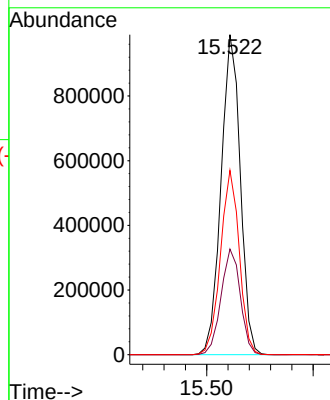
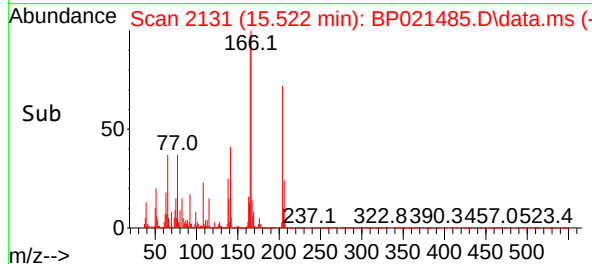
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 204 Resp: 1236572  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.4 39.6  
141 57.6 46.1 69.1

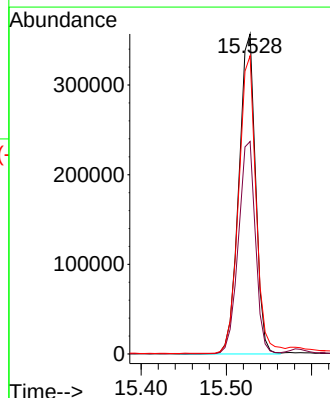
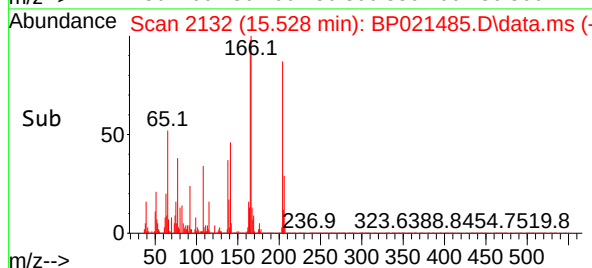
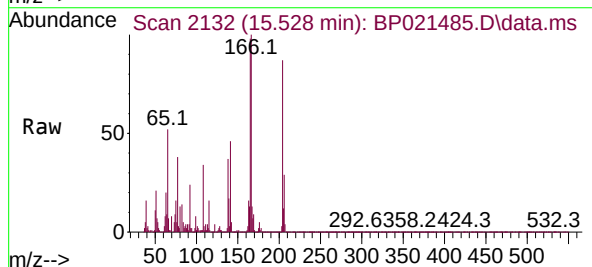
Manual Integrations  
APPROVED

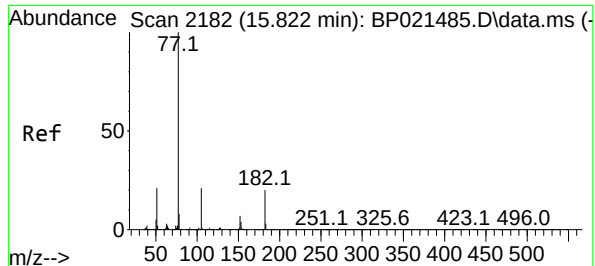
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#62  
4-Nitroaniline  
Concen: 40.451 ng  
RT: 15.528 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

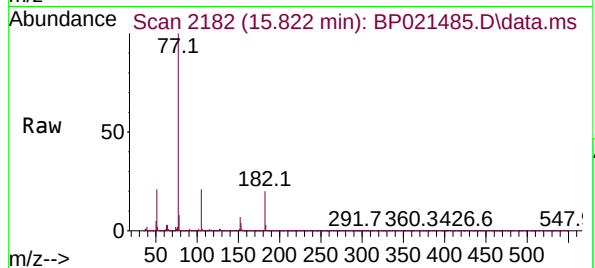
Tgt Ion: 138 Resp: 485672  
Ion Ratio Lower Upper  
138 100  
92 66.4 46.4 86.4  
108 93.2 73.2 113.2





#63  
Azobenzene  
Concen: 40.594 ng  
RT: 15.822 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

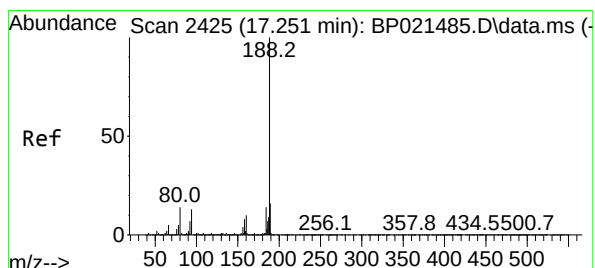
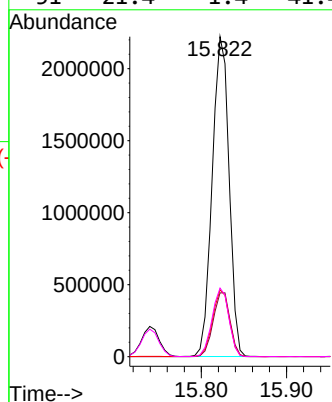
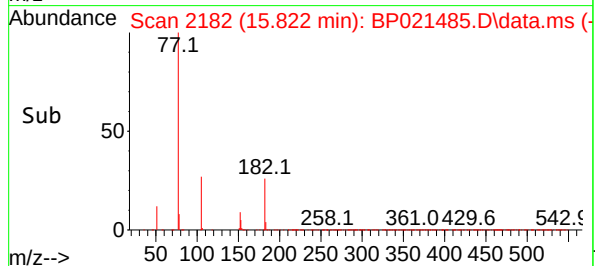
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion: 77 Resp: 305244  
Ion Ratio Lower Upper  
77 100  
182 19.9 0.0 39.9  
105 20.9 0.9 40.9  
51 21.4 1.4 41.4

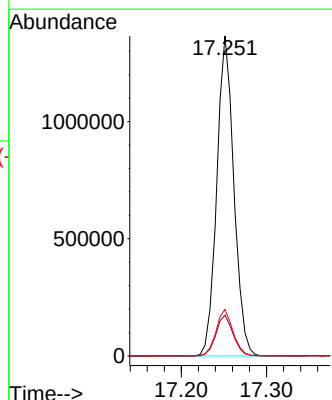
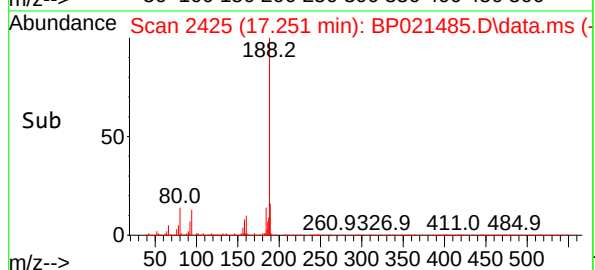
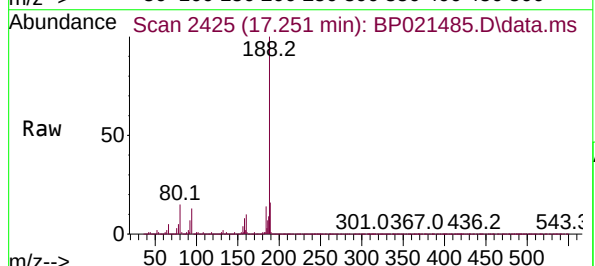
Manual Integrations  
APPROVED

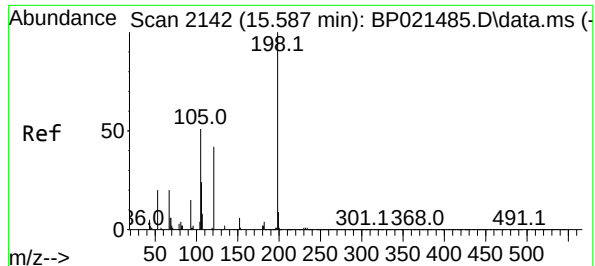
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.251 min Scan# 2425  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:188 Resp: 1905279  
Ion Ratio Lower Upper  
188 100  
94 12.8 10.2 15.4  
80 14.5 11.6 17.4





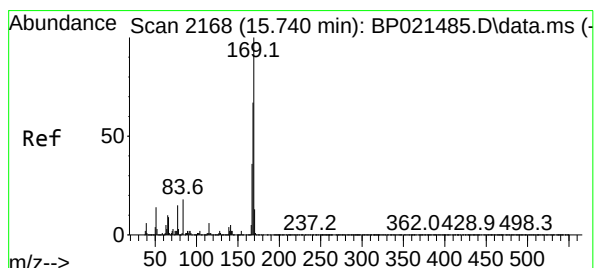
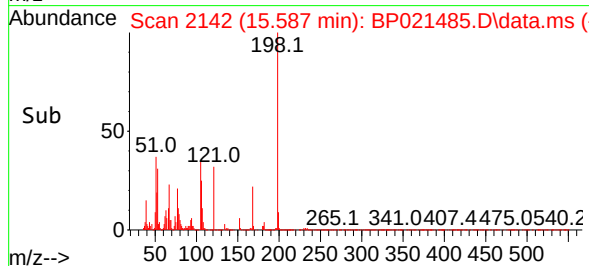
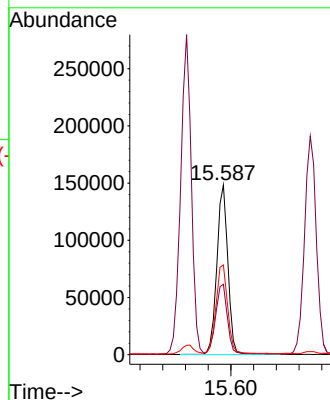
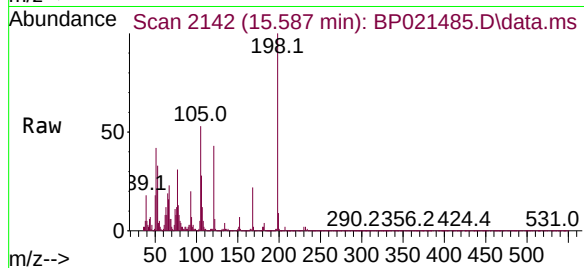
#65  
4,6-Dinitro-2-methylphenol  
Concen: 38.603 ng  
RT: 15.587 min Scan# 2142  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion:198 Resp: 199150  
Ion Ratio Lower Upper  
198 100  
51 41.5 21.5 61.5  
105 52.9 32.9 72.9

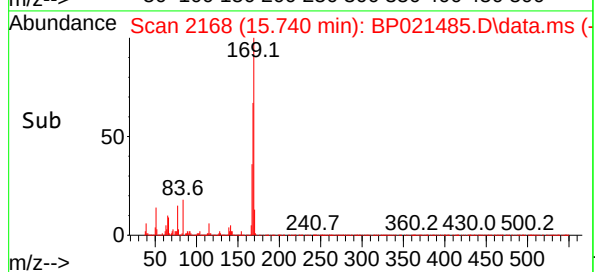
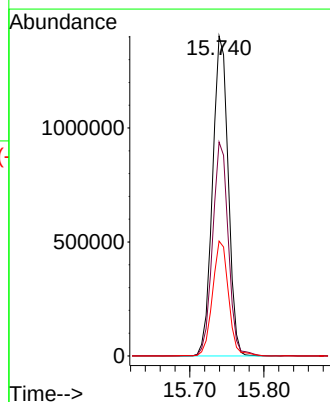
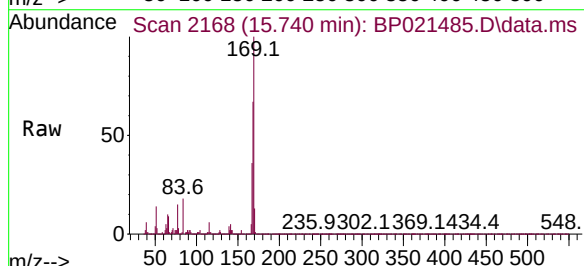
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

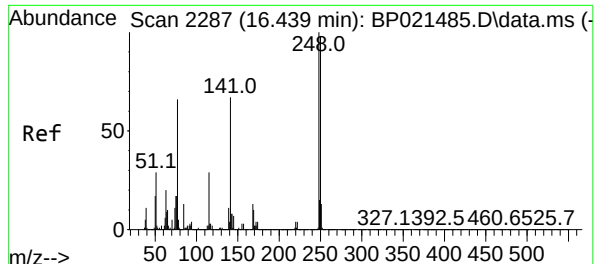


#66  
n-Nitrosodiphenylamine  
Concen: 40.175 ng  
RT: 15.740 min Scan# 2168  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion:169 Resp: 2051265  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.4 80.2  
167 35.9 28.7 43.1

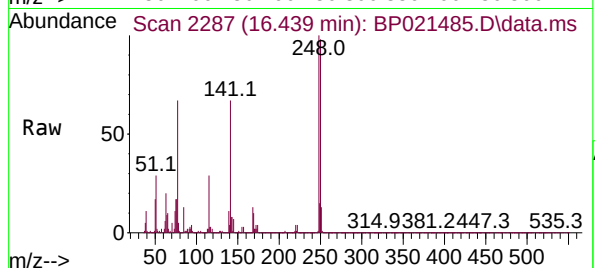






#67  
4-Bromophenyl-phenylether  
Concen: 39.211 ng  
RT: 16.439 min Scan# 2287  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

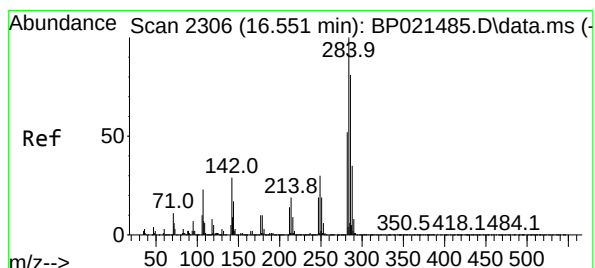
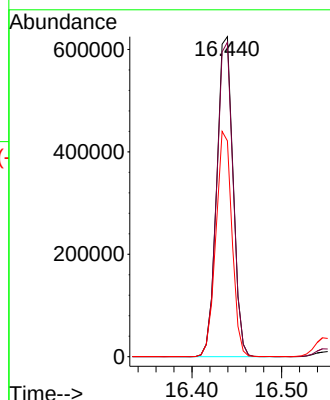
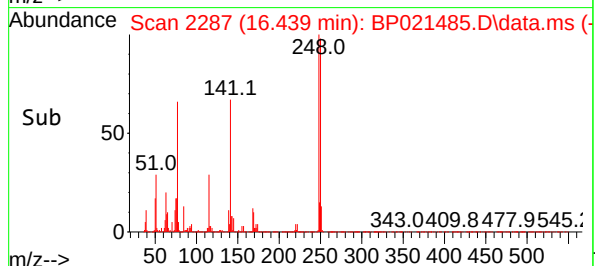
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion:248 Resp: 79067  
Ion Ratio Lower Upper  
248 100  
250 98.2 78.6 117.8  
141 67.4 53.9 80.9

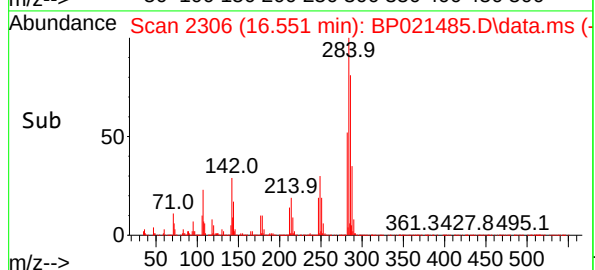
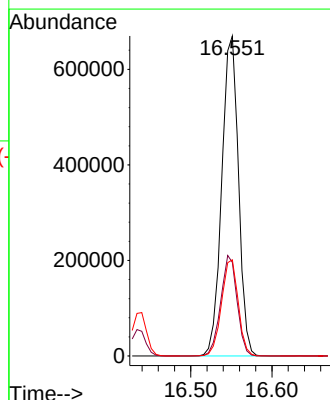
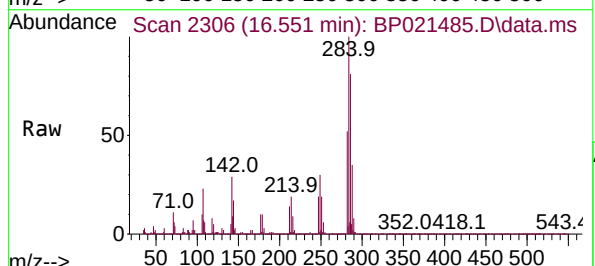
Manual Integrations  
APPROVED

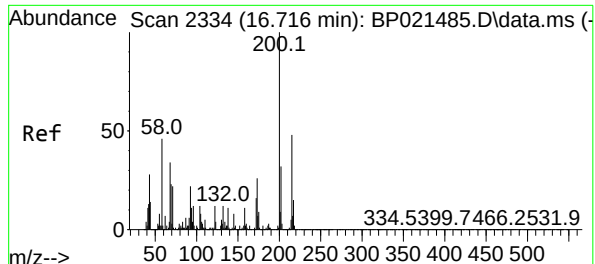
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#68  
Hexachlorobenzene  
Concen: 40.240 ng  
RT: 16.551 min Scan# 2306  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

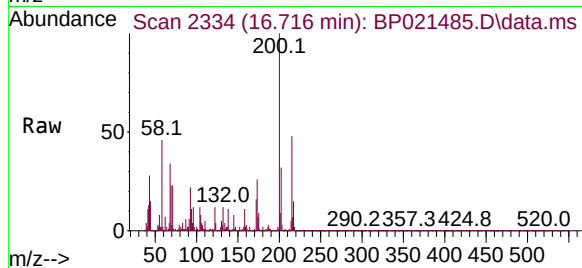
Tgt Ion:284 Resp: 958921  
Ion Ratio Lower Upper  
284 100  
142 29.3 23.4 35.2  
249 30.1 24.1 36.1





#69  
Atrazine  
Concen: 41.419 ng  
RT: 16.716 min Scan# 2334  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

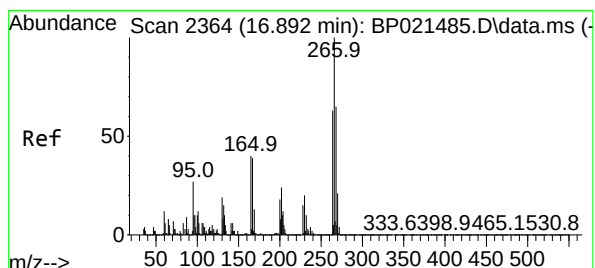
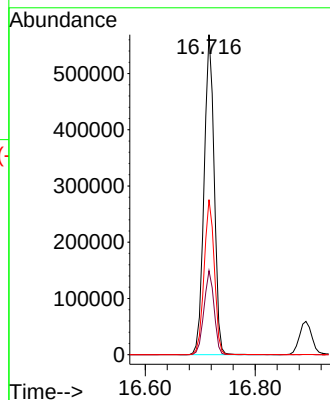
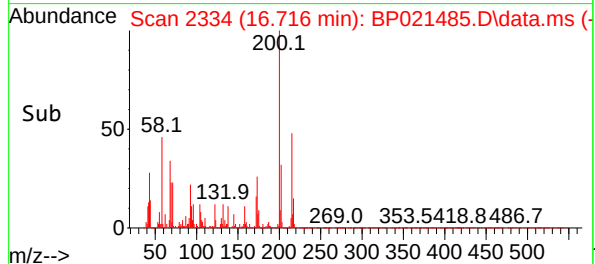
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion: 200 Resp: 726072  
Ion Ratio Lower Upper  
200 100  
173 26.2 6.2 46.2  
215 48.4 28.4 68.4

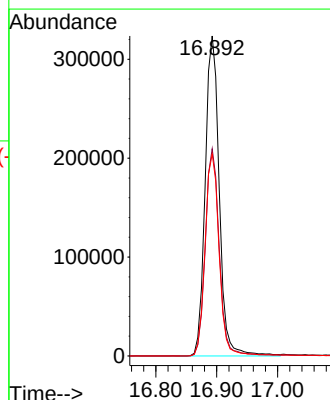
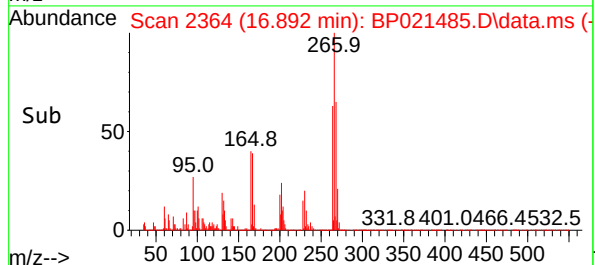
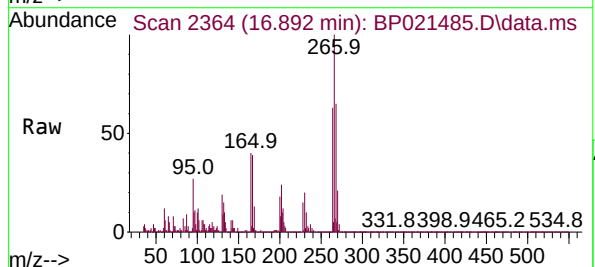
Manual Integrations  
APPROVED

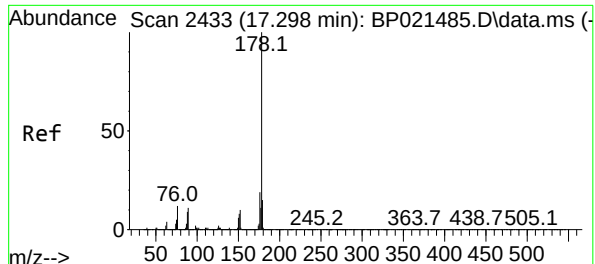
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#70  
Pentachlorophenol  
Concen: 40.011 ng  
RT: 16.892 min Scan# 2364  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

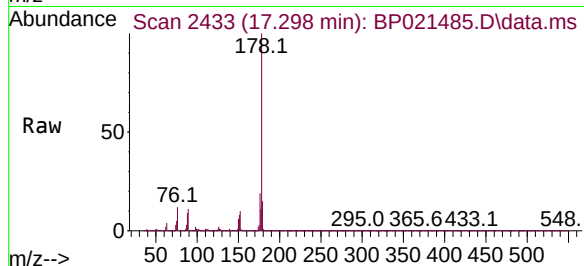
Tgt Ion: 266 Resp: 520400  
Ion Ratio Lower Upper  
266 100  
268 64.7 51.8 77.6  
264 63.1 50.5 75.7





#71  
Phenanthrene  
Concen: 40.150 ng  
RT: 17.298 min Scan# 2433  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

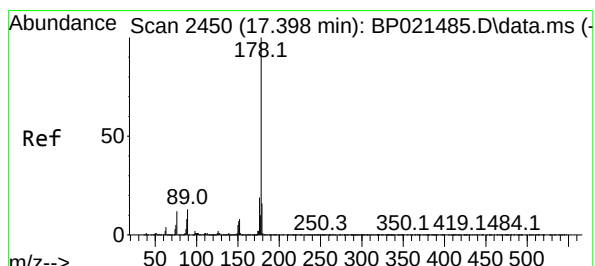
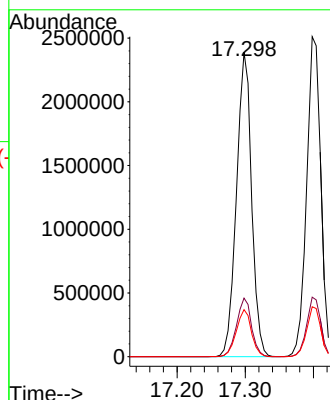
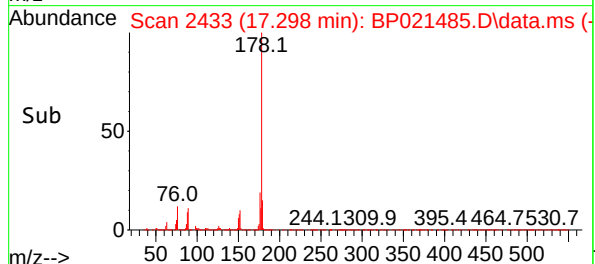
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion:178 Resp: 367886  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.5 12.4 18.6

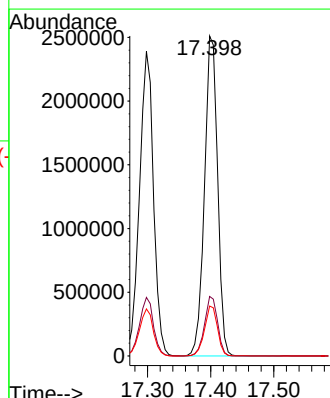
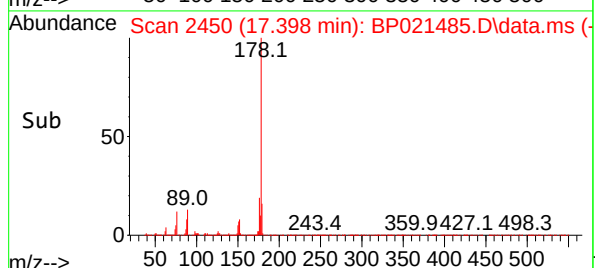
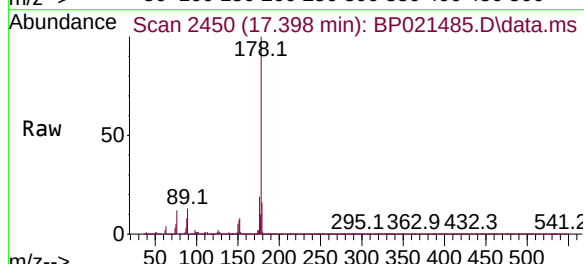
Manual Integrations  
APPROVED

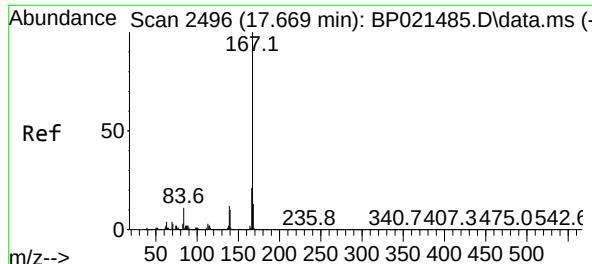
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 40.283 ng  
RT: 17.398 min Scan# 2450  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

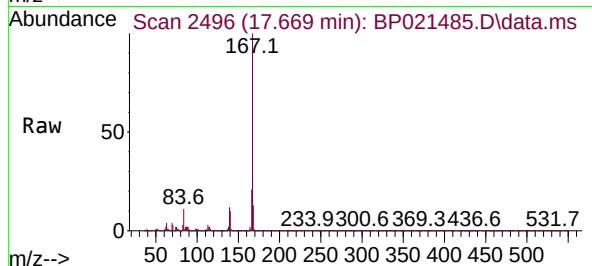
Tgt Ion:178 Resp: 3619950  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.9 22.3  
179 15.6 12.5 18.7





#73  
Carbazole  
Concen: 40.912 ng  
RT: 17.669 min Scan# 2496  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

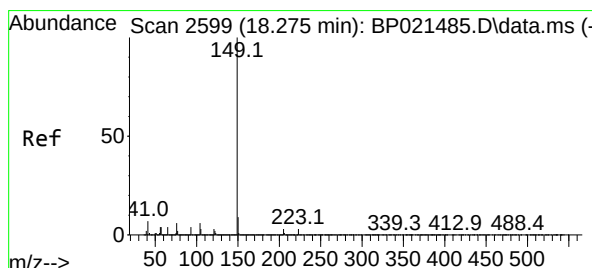
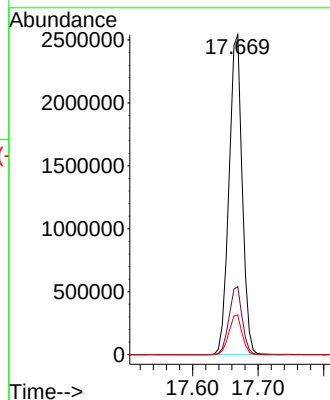
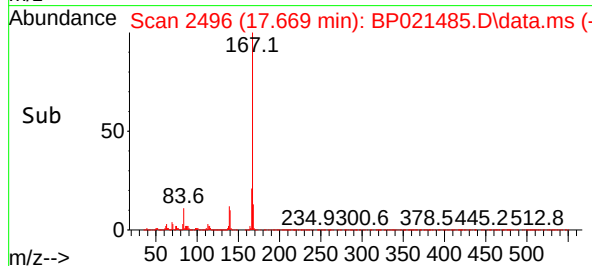
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion:167 Resp: 3543089  
Ion Ratio Lower Upper  
167 100  
166 21.2 17.0 25.4  
139 12.4 9.9 14.9

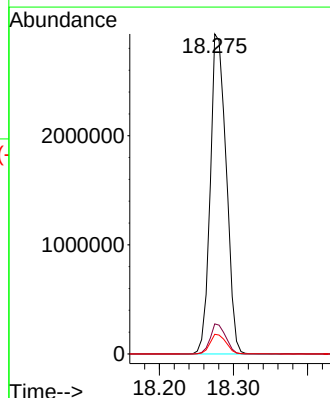
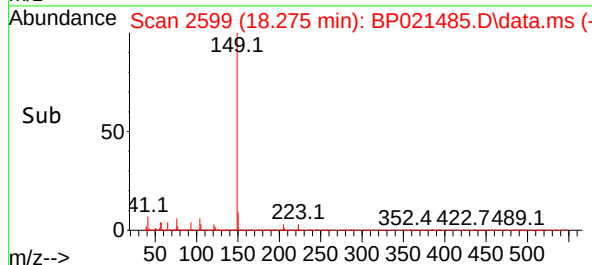
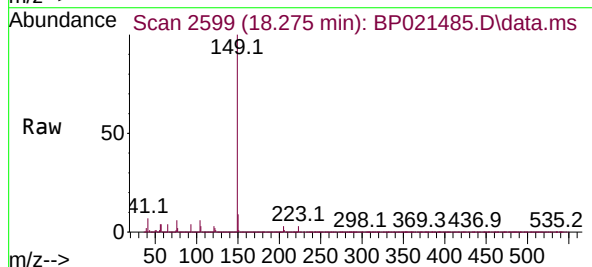
Manual Integrations  
APPROVED

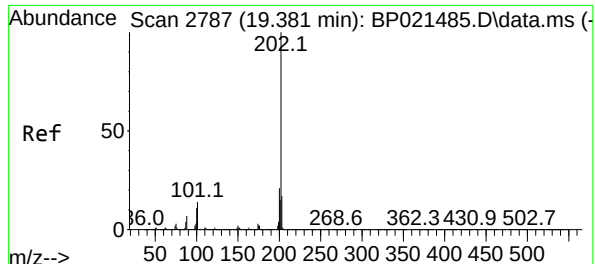
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 41.170 ng  
RT: 18.275 min Scan# 2599  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

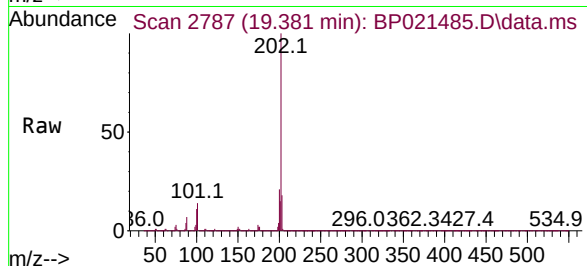
Tgt Ion:149 Resp: 4378720  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 6.1 4.9 7.3





#75  
Fluoranthene  
Concen: 40.674 ng  
RT: 19.381 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

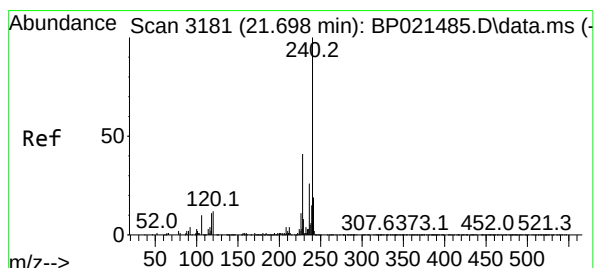
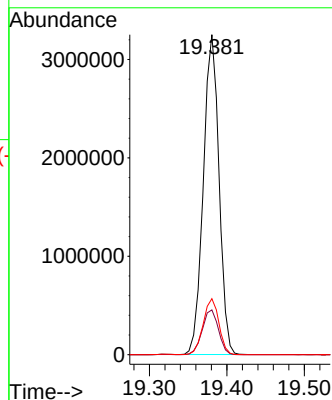
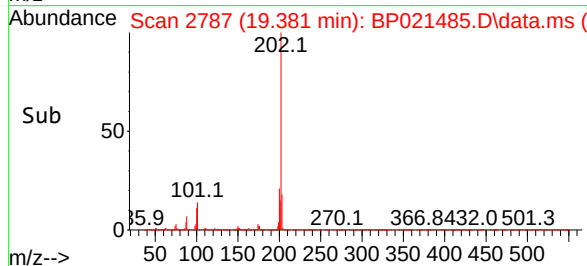
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion: 202 Resp: 457288  
Ion Ratio Lower Upper  
202 100  
101 14.0 0.0 34.0  
203 17.5 0.0 37.5

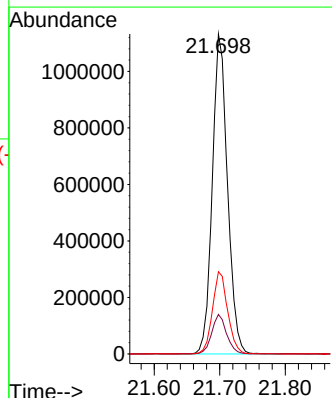
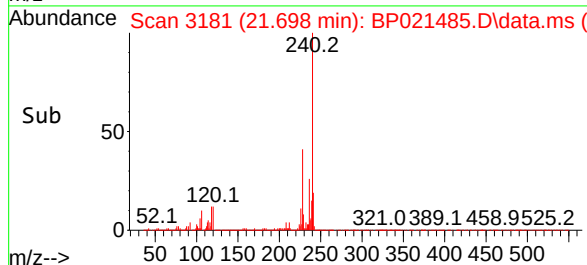
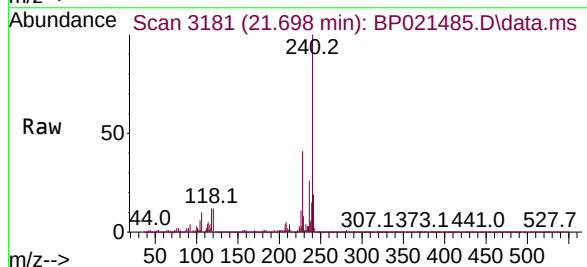
Manual Integrations  
APPROVED

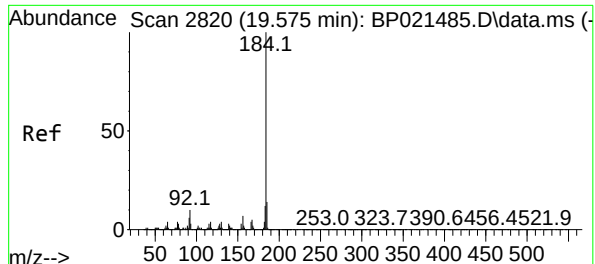
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.698 min Scan# 3181  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 240 Resp: 1820074  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.9 14.9  
236 25.7 20.6 30.8





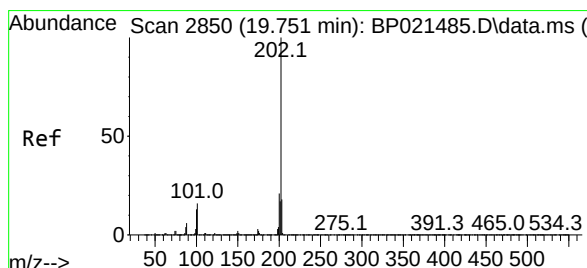
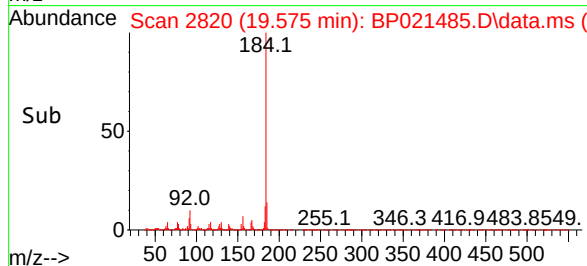
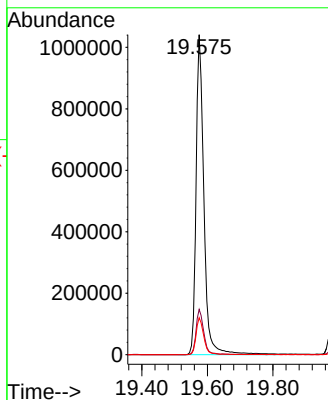
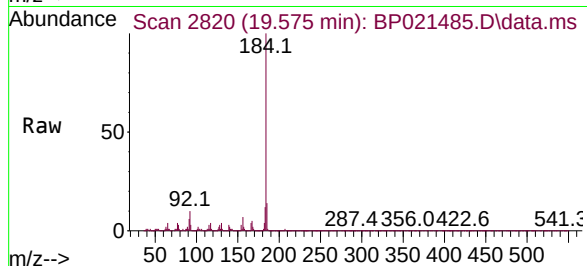
#77  
Benzidine  
Concen: 41.023 ng  
RT: 19.575 min Scan# 2820  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040

Tgt Ion:184 Resp: 173510  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.0  
183 11.6 9.3 13.9

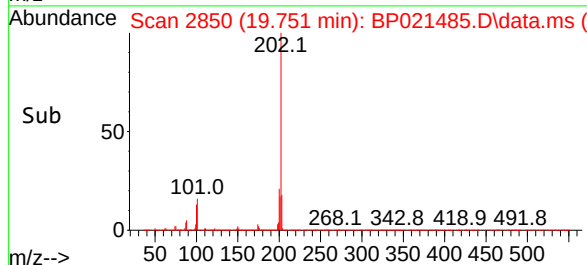
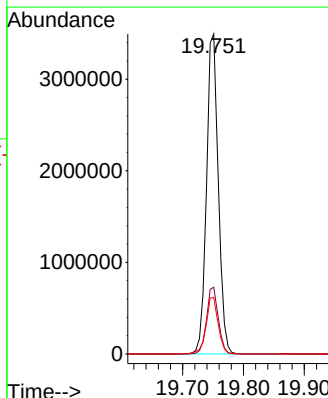
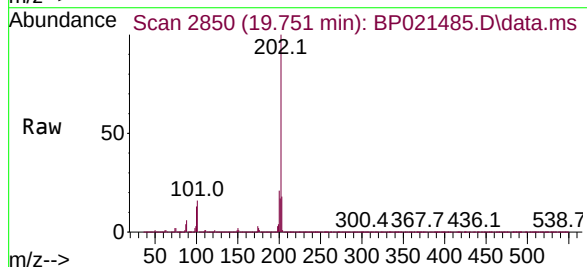
Manual Integrations  
APPROVED

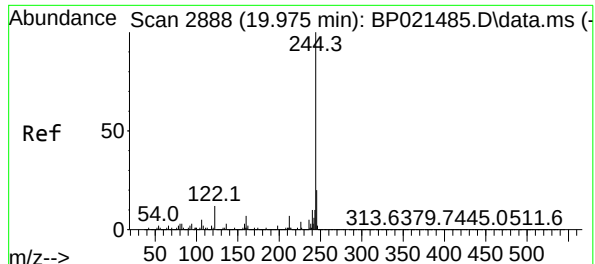
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#78  
Pyrene  
Concen: 39.461 ng  
RT: 19.751 min Scan# 2850  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

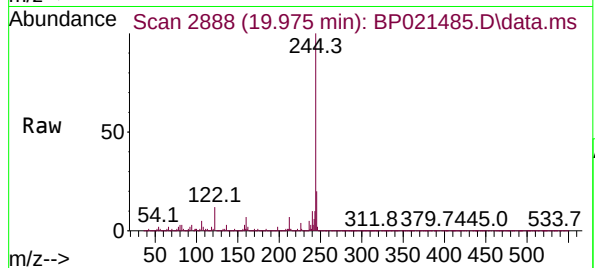
Tgt Ion:202 Resp: 4694393  
Ion Ratio Lower Upper  
202 100  
200 20.9 16.7 25.1  
203 17.6 14.1 21.1





#79  
Terphenyl-d14  
Concen: 78.155 ng  
RT: 19.975 min Scan# 2888  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

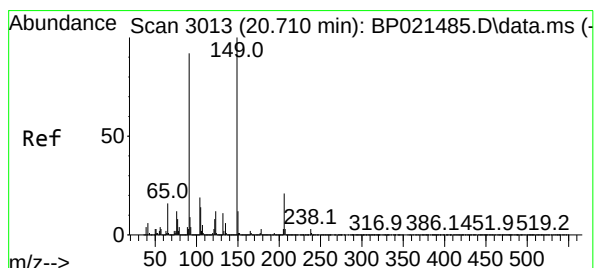
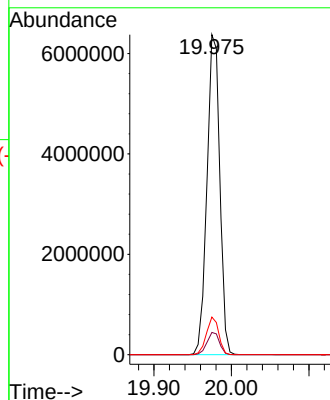
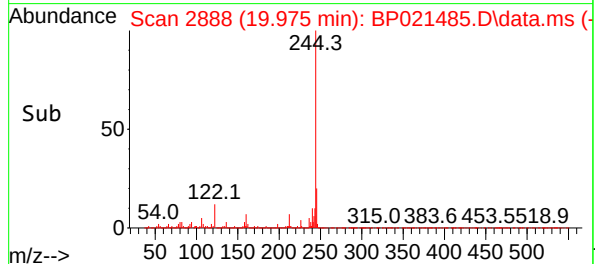
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion: 244 Resp: 7322059  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 11.8 9.4 14.2

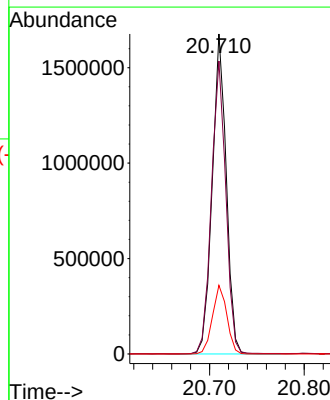
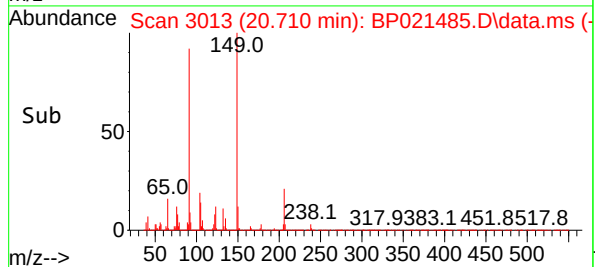
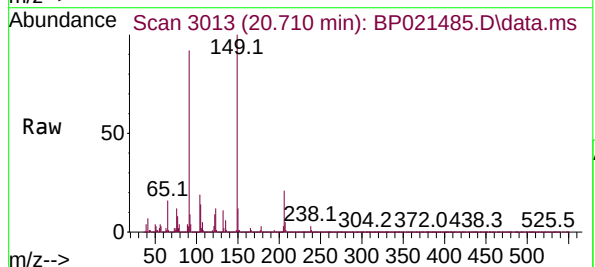
Manual Integrations  
APPROVED

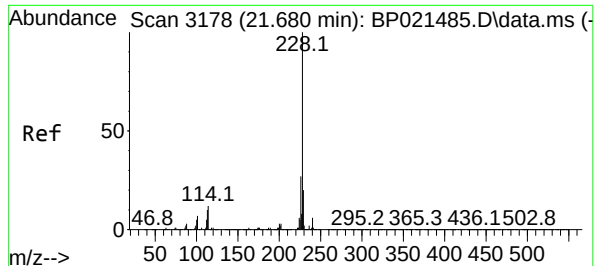
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#80  
Butylbenzylphthalate  
Concen: 38.676 ng  
RT: 20.710 min Scan# 3013  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

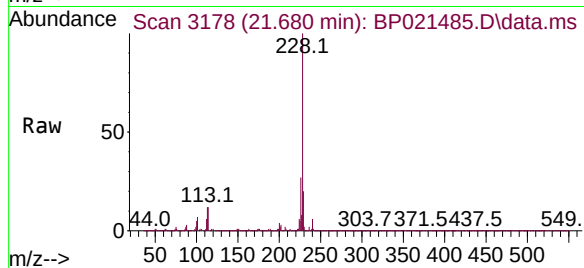
Tgt Ion: 149 Resp: 1712106  
Ion Ratio Lower Upper  
149 100  
91 91.6 73.3 109.9  
206 21.4 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 40.395 ng  
RT: 21.680 min Scan# 3178  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

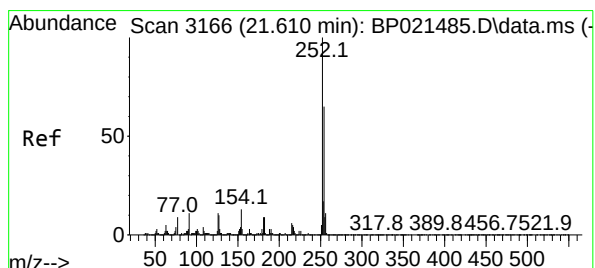
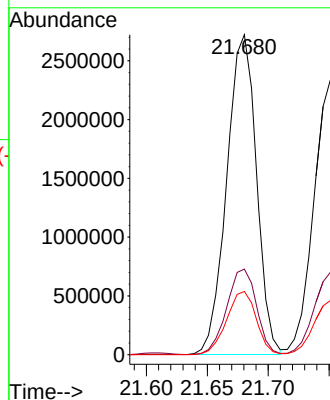
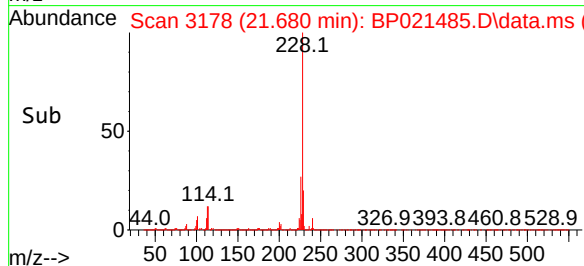
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion: 228 Resp: 4615389  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.4 32.2  
229 19.7 15.8 23.6

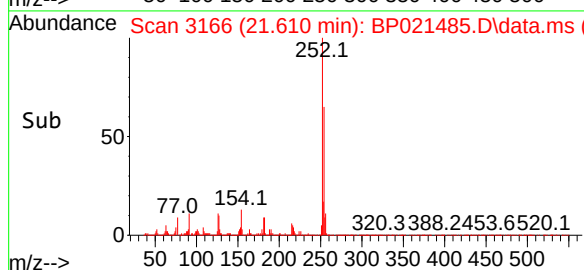
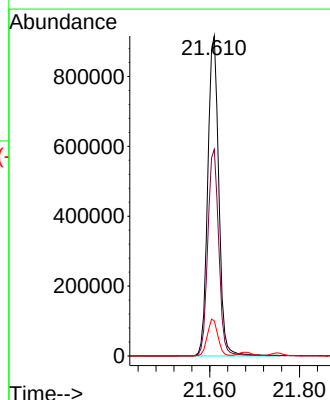
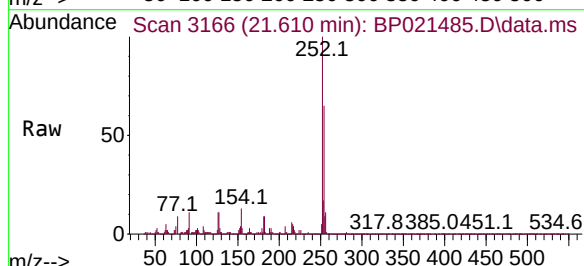
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024

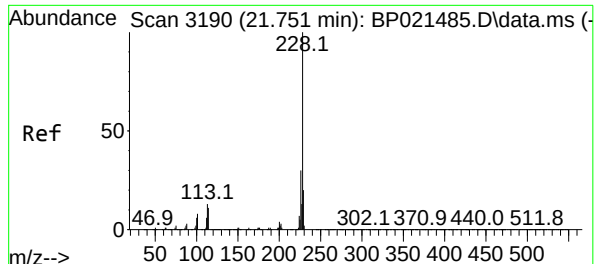


#82  
3,3'-Dichlorobenzidine  
Concen: 42.572 ng  
RT: 21.610 min Scan# 3166  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 252 Resp: 1559563  
Ion Ratio Lower Upper  
252 100  
254 64.6 51.7 77.5  
126 10.9 8.7 13.1







#83

Chrysene

Concen: 40.405 ng

RT: 21.751 min Scan# 3190

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 435869

Ion Ratio Lower Upper

228 100

226 29.9 23.9 35.9

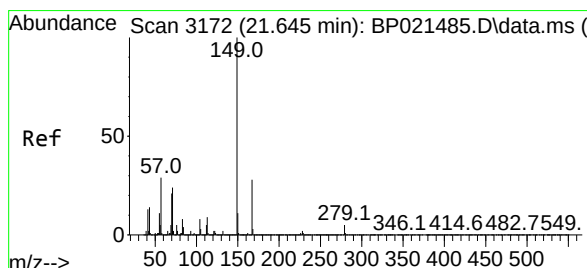
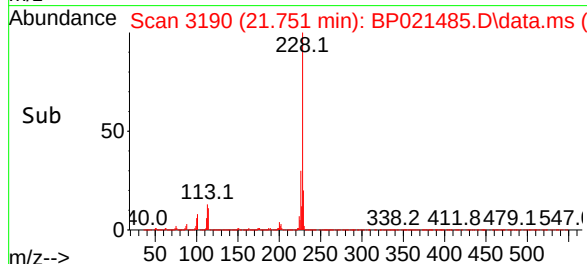
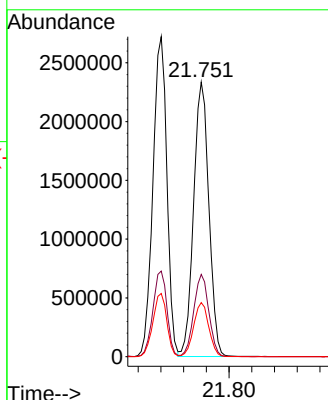
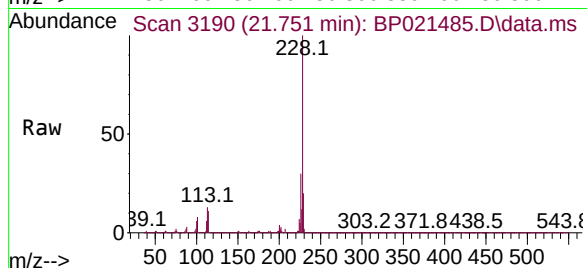
229 19.7 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.082 ng

RT: 21.645 min Scan# 3172

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

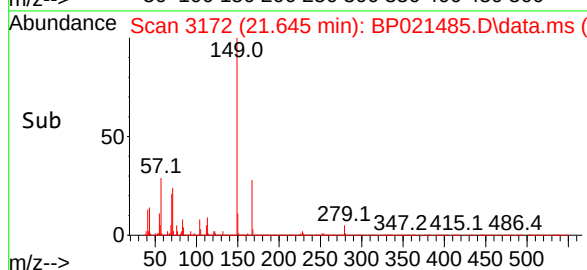
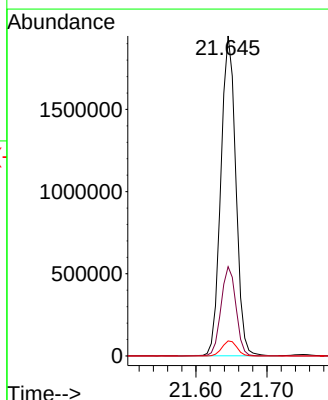
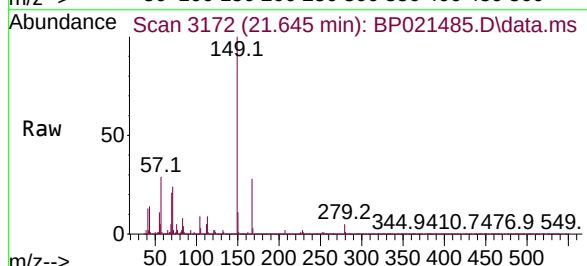
Tgt Ion:149 Resp: 2841806

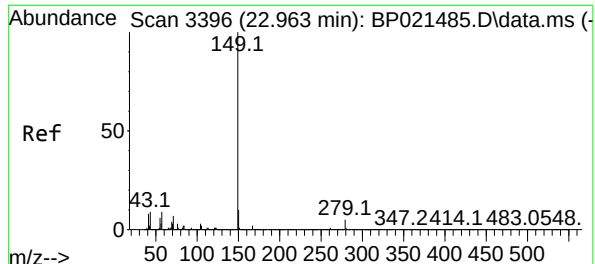
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

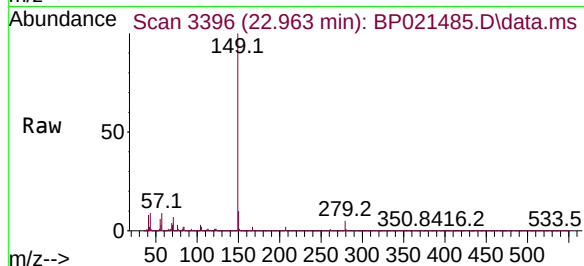
279 4.7 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 39.238 ng  
RT: 22.963 min Scan# 3396  
Delta R.T. -0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

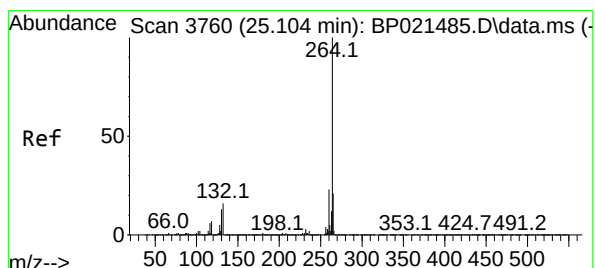
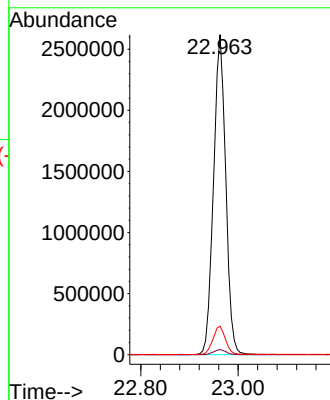
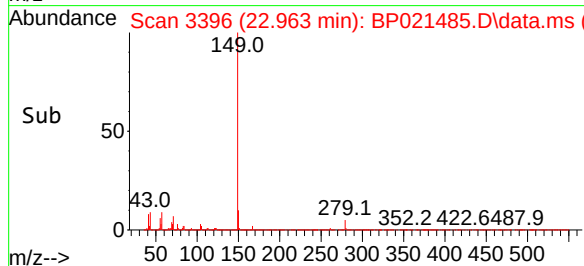
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICCC040



Tgt Ion:149 Resp: 453821  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.1 7.3 10.9

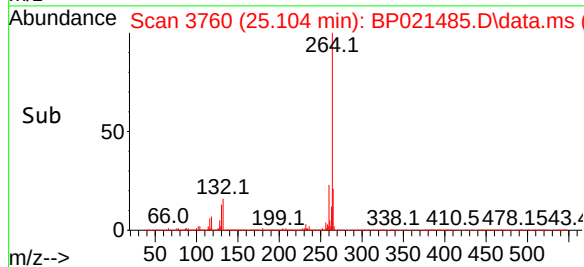
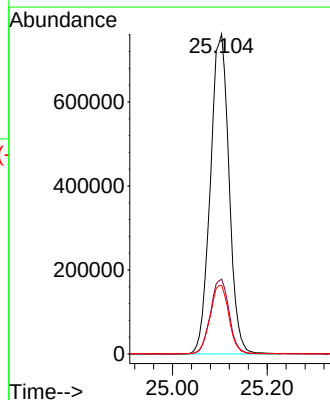
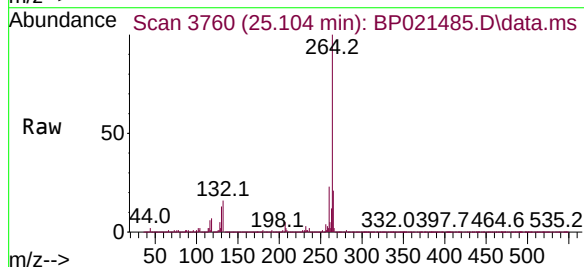
Manual Integrations  
APPROVED

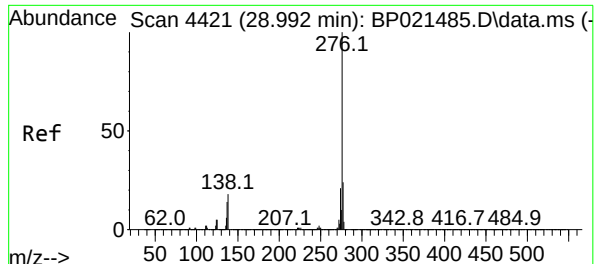
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.104 min Scan# 3760  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

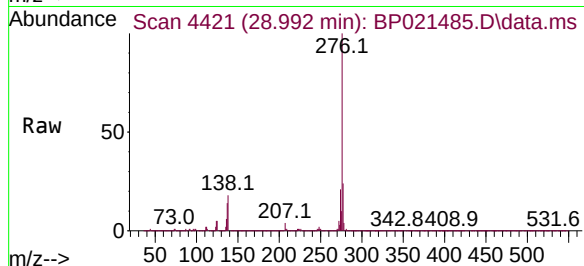
Tgt Ion:264 Resp: 2085332  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 28.0  
265 21.4 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.941 ng m  
RT: 28.992 min Scan# 4421  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

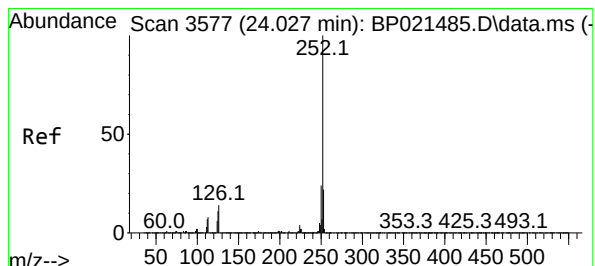
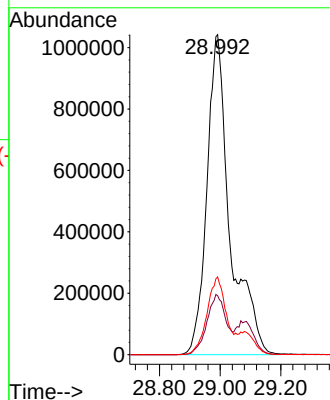
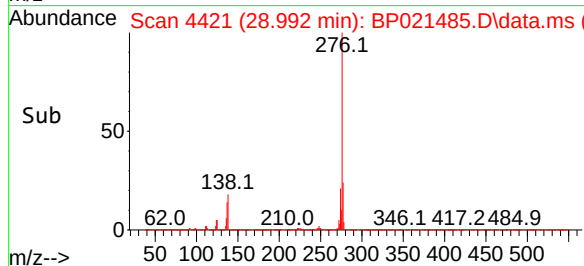
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICCC040



Tgt Ion: 276 Resp: 5533549  
Ion Ratio Lower Upper  
276 100  
138 16.0 12.8 19.2  
277 20.6 16.5 24.7

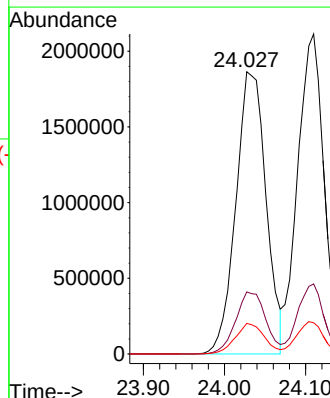
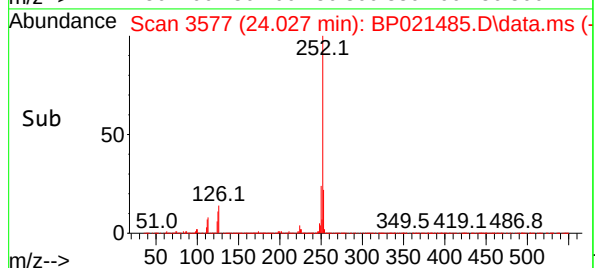
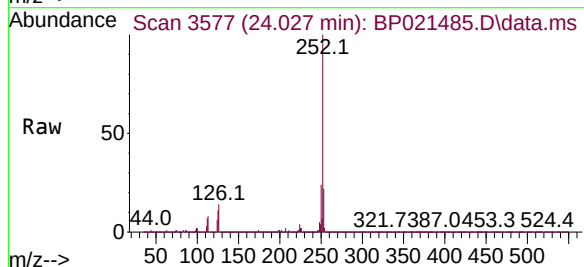
Manual Integrations  
APPROVED

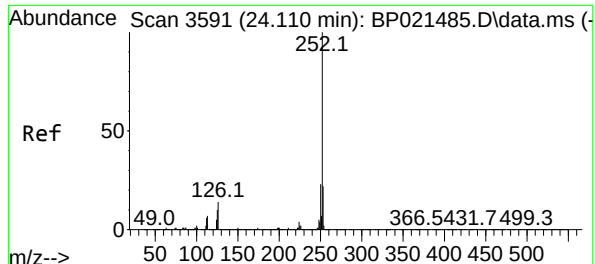
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#88  
Benzo(b)fluoranthene  
Concen: 40.211 ng  
RT: 24.027 min Scan# 3577  
Delta R.T. 0.000 min  
Lab File: BP021485.D  
Acq: 13 Aug 2024 15:26

Tgt Ion: 252 Resp: 4815875  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 10.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 40.717 ng

RT: 24.110 min Scan# 3591

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 4757000

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

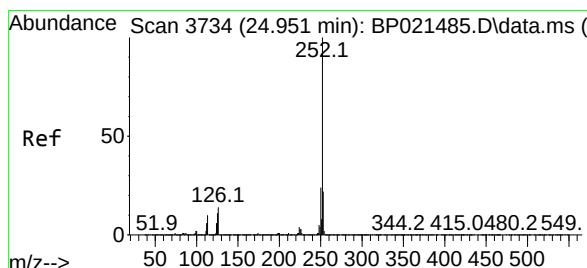
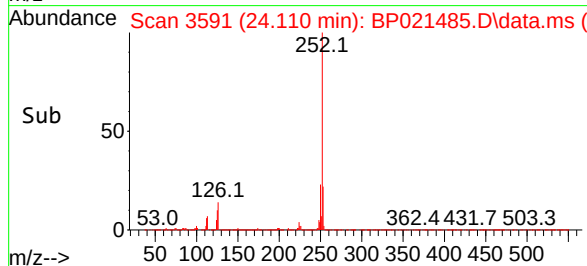
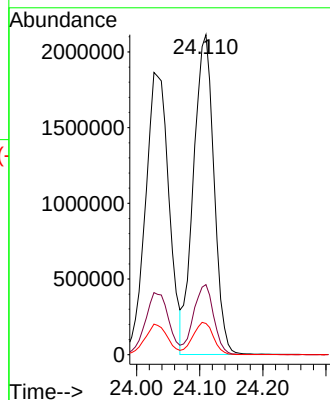
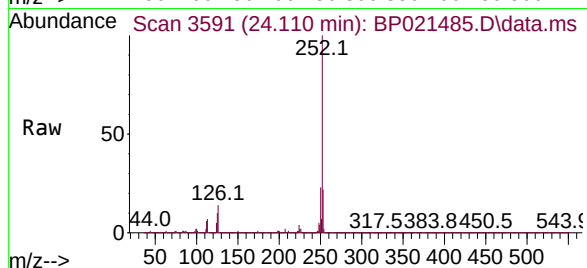
125 9.8 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 40.616 ng

RT: 24.951 min Scan# 3734

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

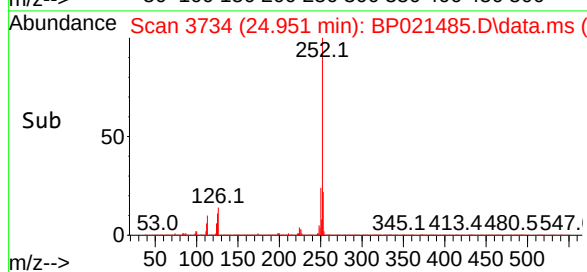
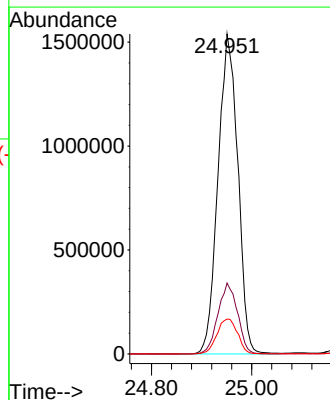
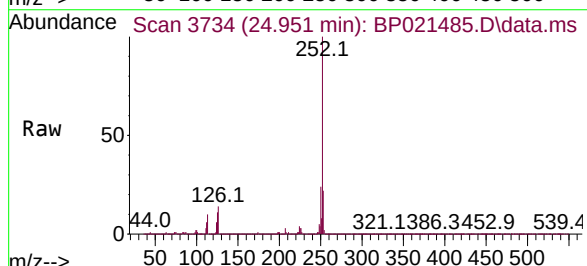
Tgt Ion:252 Resp: 4221348

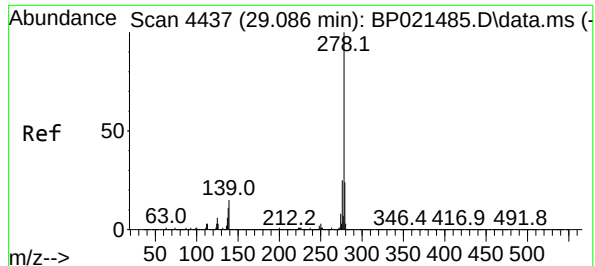
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.9 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 40.908 ng

RT: 29.086 min Scan# 4437

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA\_P

ClientSampleId :

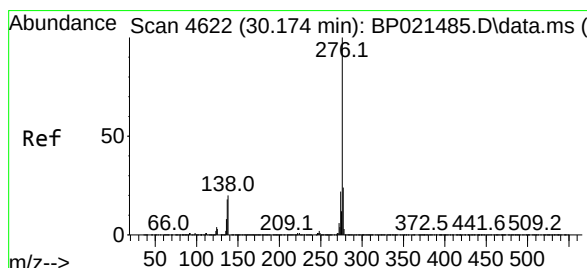
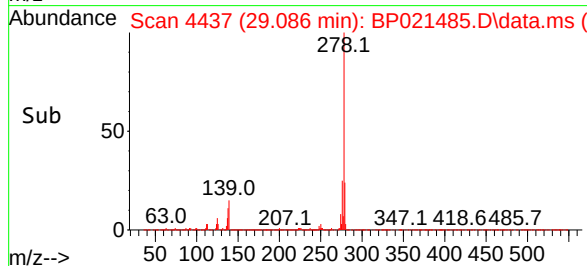
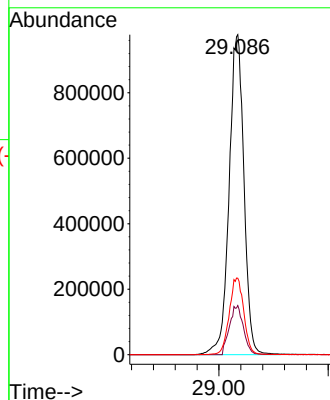
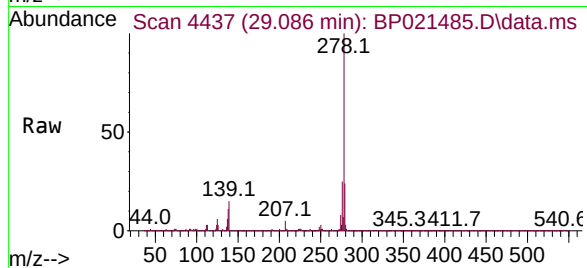
SSTDICCC040

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 278   | Resp: | 459455 |
| Ion      | Ratio | Lower | Upper  |
| 278      | 100   |       |        |
| 139      | 15.3  | 12.2  | 18.4   |
| 279      | 23.9  | 19.1  | 28.7   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#92

Benzo(g,h,i)perylene

Concen: 40.824 ng

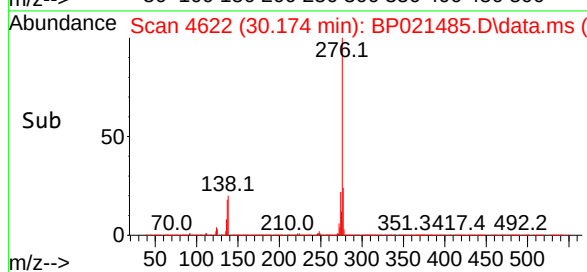
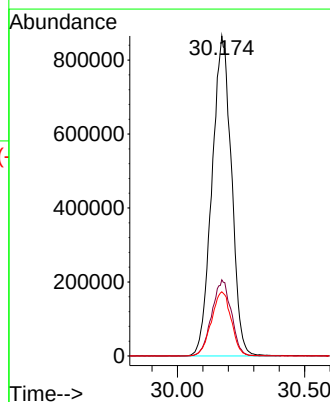
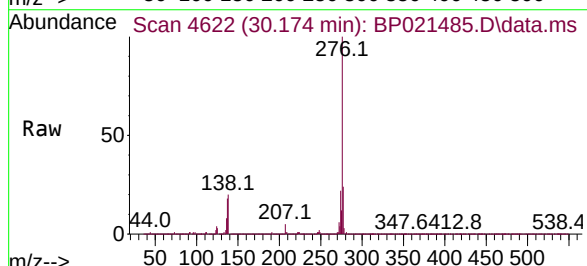
RT: 30.174 min Scan# 4622

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 276   | Resp: | 4595577 |
| Ion      | Ratio | Lower | Upper   |
| 276      | 100   |       |         |
| 277      | 23.8  | 19.0  | 28.6    |
| 138      | 20.0  | 16.0  | 24.0    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021486.D  
Acq On : 13 Aug 2024 16:09  
Operator : RC/JU  
Sample : SSTDICC050  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC050

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:54:25 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 410033   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1728756  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.446 | 164  | 1119203  | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.257 | 188  | 2278560  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.710 | 240  | 2093381  | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 25.121 | 264  | 2377136  | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 2713912  | 98.280  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.964  | 99   | 4004371  | 99.407  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.958  | 82   | 3559213  | 106.266 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 1295133  | 103.974 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 7073510  | 96.455  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.981 | 244  | 10188627 | 94.554  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 614292   | 46.916  | ng    | 99       |
| 3) Pyridine                   | 3.705  | 79   | 1785033m | 48.836  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 529008   | 48.151  | ng    | 99       |
| 6) Aniline                    | 7.134  | 93   | 1973018  | 48.993  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.369  | 128  | 1266906  | 49.646  | ng    | 98       |
| 9) Benzaldehyde               | 6.946  | 77   | 1099572  | 42.632  | ng    | 99       |
| 10) Phenol                    | 6.987  | 94   | 2070173  | 49.628  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1722098  | 48.789  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 1457386  | 48.079  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 1470548  | 48.044  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 1411170  | 47.842  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 1452516  | 50.255  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 1588042  | 48.854  | ng    | 99       |
| 17) 2-Methylphenol            | 8.234  | 107  | 1308851  | 49.632  | ng    | 99       |
| 18) Hexachloroethane          | 8.887  | 117  | 601480   | 49.004  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.611  | 70   | 1340426  | 48.171  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.564  | 107  | 1777289  | 49.982  | ng    | 98       |
| 22) Acetophenone              | 8.616  | 105  | 2552368  | 48.058  | ng    | 99       |
| 24) Nitrobenzene              | 8.999  | 77   | 1881606  | 51.725  | ng    | 98       |
| 25) Isophorone                | 9.522  | 82   | 3789274  | 47.889  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.705  | 139  | 464597   | 49.970  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 956577   | 48.987  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.005 | 93   | 2342749  | 48.504  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 1189252  | 51.545  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.458 | 180  | 1428575  | 48.296  | ng    | 99       |
| 31) Naphthalene               | 10.646 | 128  | 4330348  | 47.949  | ng    | 100      |
| 32) Benzoic acid              | 9.899  | 122  | 652668   | 50.213  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1640026  | 48.345  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 906501   | 48.672  | ng    | 100      |
| 35) Caprolactam               | 11.510 | 113  | 469071   | 48.850  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 11.863 | 107  | 1600490  | 50.008  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.263 | 142  | 2950679  | 47.872  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 2908087  | 47.838  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 1617735  | 49.332  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 546269   | 52.560  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 949480   | 52.124  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021486.D  
 Acq On : 13 Aug 2024 16:09  
 Operator : RC/JU  
 Sample : SSTDICC050  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC050

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:54:25 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.934 | 196  | 1056277  | 52.191 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 3811862  | 48.139 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.310 | 162  | 2979553  | 48.332 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 821676   | 47.603 | ng    | 98       |
| 49) Acenaphthylene            | 14.169 | 152  | 4367223  | 48.190 | ng    | 100      |
| 50) Dimethylphthalate         | 13.910 | 163  | 3569162  | 47.620 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 731267   | 48.330 | ng    | 99       |
| 52) Acenaphthene              | 14.516 | 154  | 2861701  | 48.126 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.340 | 138  | 710103   | 47.788 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.551 | 184  | 205628   | 49.369 | ng    | 97       |
| 55) Dibenzofuran              | 14.857 | 168  | 4373407  | 47.811 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.646 | 139  | 562138   | 47.429 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 918371   | 47.777 | ng    | 98       |
| 58) Fluorene                  | 15.522 | 166  | 3525015  | 46.908 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 885682   | 51.558 | ng    | 99       |
| 60) Diethylphthalate          | 15.304 | 149  | 3687157  | 47.945 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 1836235  | 47.272 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.522 | 138  | 733231   | 47.987 | ng    | 94       |
| 63) Azobenzene                | 15.810 | 77   | 4349860  | 46.014 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.587 | 198  | 342052   | 49.749 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.734 | 169  | 2980276  | 48.807 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.434 | 248  | 1198687  | 49.707 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 1395323  | 48.961 | ng    | 99       |
| 69) Atrazine                  | 16.716 | 200  | 1019051  | 48.608 | ng    | 98       |
| 70) Pentachlorophenol         | 16.892 | 266  | 812046   | 52.206 | ng    | 99       |
| 71) Phenanthrene              | 17.304 | 178  | 5308898  | 48.447 | ng    | 100      |
| 72) Anthracene                | 17.392 | 178  | 5212543  | 48.503 | ng    | 100      |
| 73) Carbazole                 | 17.669 | 167  | 4974161  | 48.027 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.287 | 149  | 6454560  | 50.745 | ng    | 100      |
| 75) Fluoranthene              | 19.386 | 202  | 6476130  | 48.166 | ng    | 99       |
| 77) Benzidine                 | 19.575 | 184  | 2493655  | 52.808 | ng    | 100      |
| 78) Pyrene                    | 19.757 | 202  | 6603640  | 48.263 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 2559896  | 49.198 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.686 | 228  | 6405297  | 48.741 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.610 | 252  | 2191535  | 52.013 | ng    | 99       |
| 83) Chrysene                  | 21.763 | 228  | 6024463  | 48.555 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.645 | 149  | 4205342  | 54.143 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.969 | 149  | 6722548  | 49.144 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.004 | 276  | 7707464m | 50.025 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.039 | 252  | 6647186  | 48.689 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.116 | 252  | 6552987  | 49.204 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.957 | 252  | 5918922  | 49.959 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.092 | 278  | 6420896  | 50.151 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.221 | 276  | 6383870  | 49.748 | ng    | 99       |

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



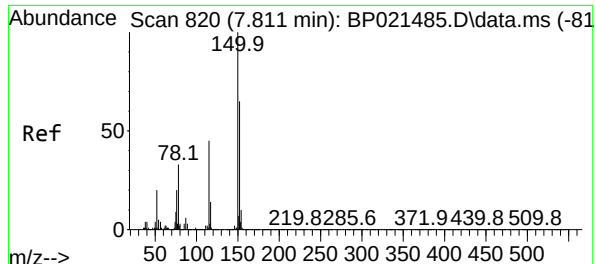
**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICC050

## Manual Integrations

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024







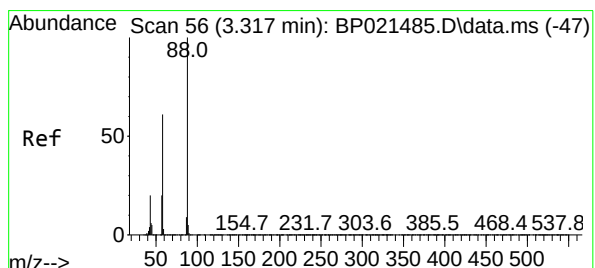
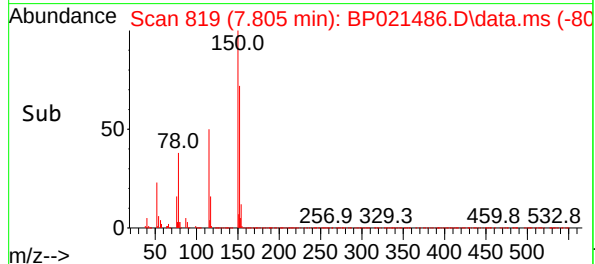
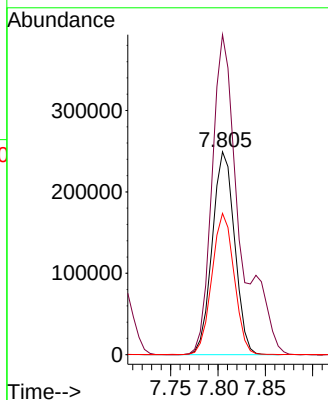
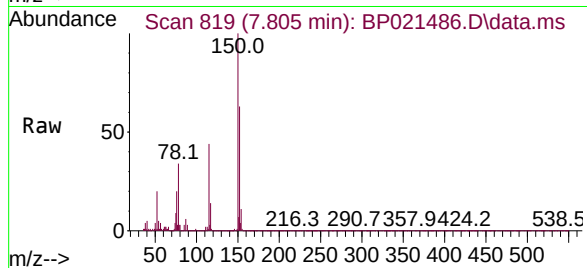
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion: 152 Resp: 41003  
Ion Ratio Lower Upper  
152 100  
150 157.8 122.4 183.6  
115 69.6 54.7 82.1

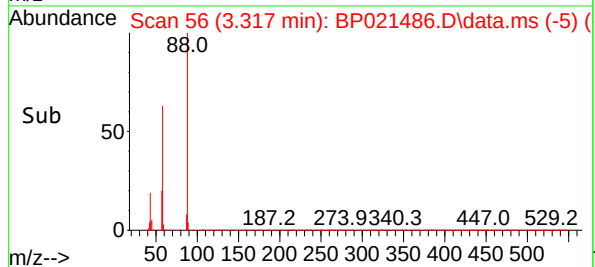
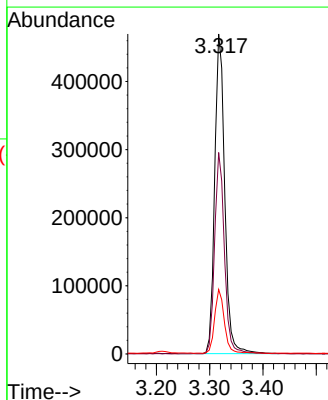
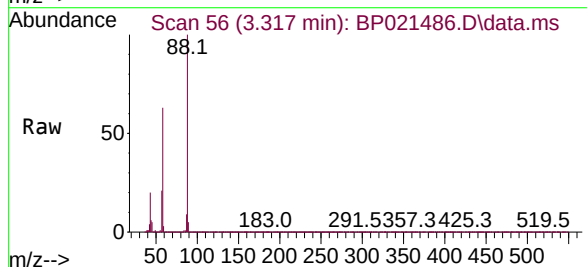
Manual Integrations  
APPROVED

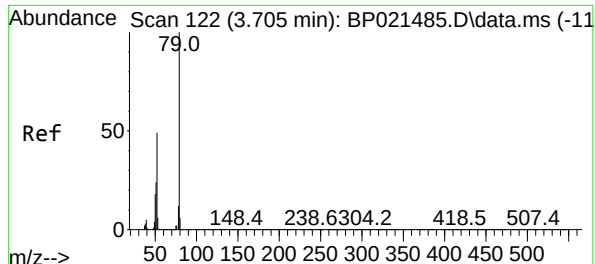
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#2  
1,4-Dioxane  
Concen: 46.916 ng  
RT: 3.317 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

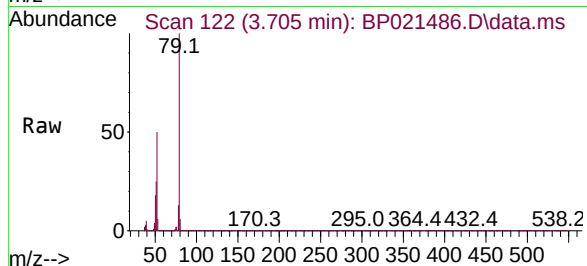
Tgt Ion: 88 Resp: 614292  
Ion Ratio Lower Upper  
88 100  
58 61.9 48.7 73.1  
43 19.4 15.4 23.2





#3  
Pyridine  
Concen: 48.836 ng m  
RT: 3.705 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

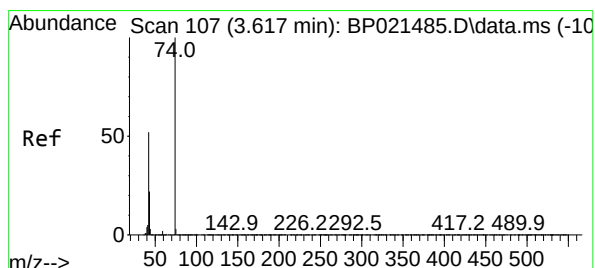
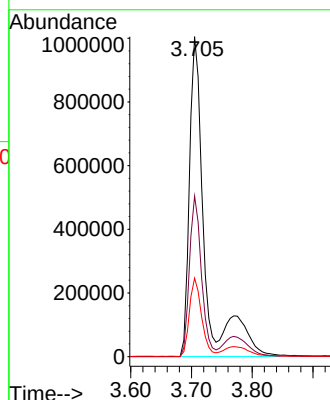
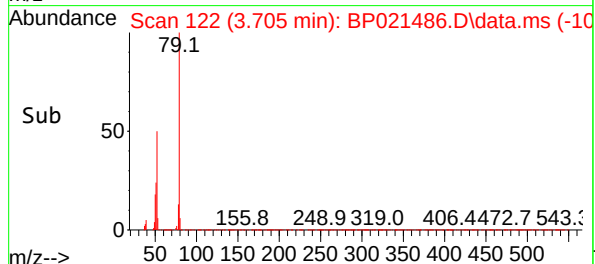
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion: 79 Resp: 178503  
Ion Ratio Lower Upper  
79 100  
52 50.2 39.0 58.6  
51 24.5 19.2 28.8

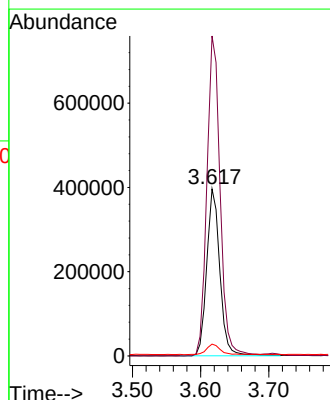
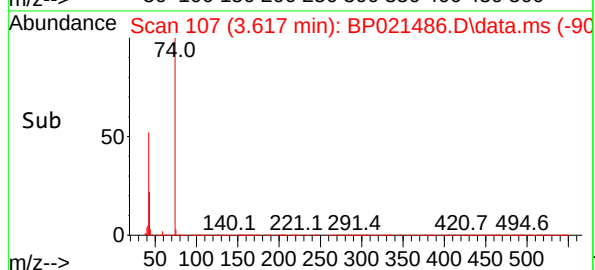
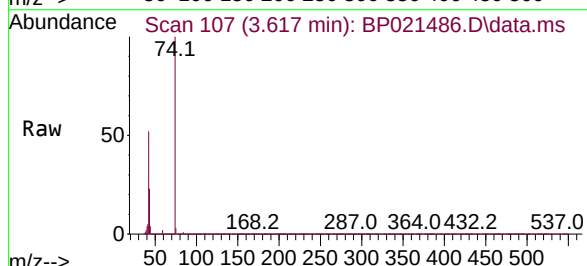
Manual Integrations  
APPROVED

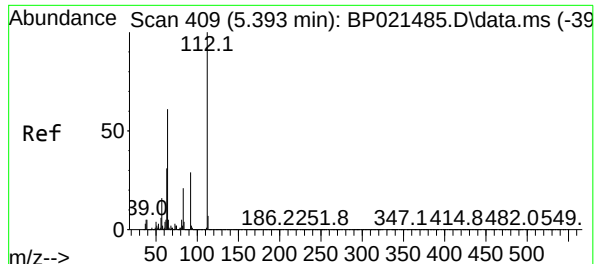
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 48.151 ng  
RT: 3.617 min Scan# 107  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion: 42 Resp: 529008  
Ion Ratio Lower Upper  
42 100  
74 191.6 154.3 231.5  
44 7.1 6.2 9.4





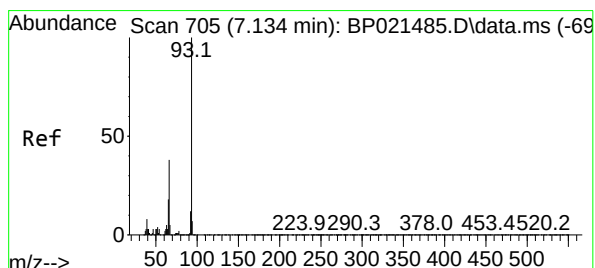
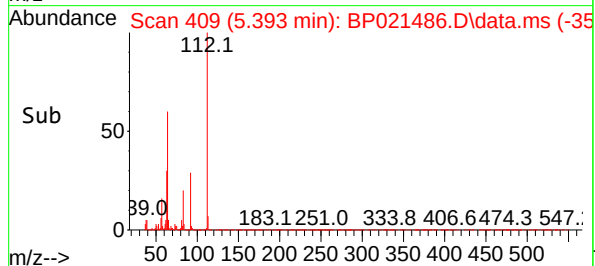
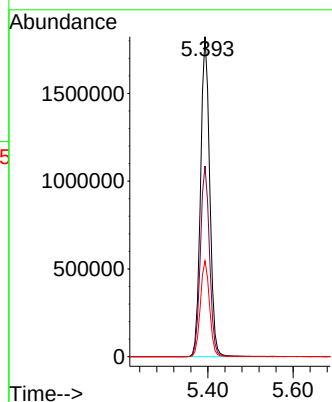
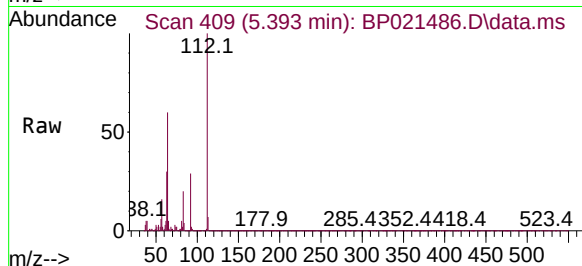
#5  
2-Fluorophenol  
Concen: 98.280 ng  
RT: 5.393 min Scan# 409  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion: 112 Resp: 271391  
Ion Ratio Lower Upper  
112 100  
64 59.6 49.0 73.6  
63 29.9 24.6 36.8

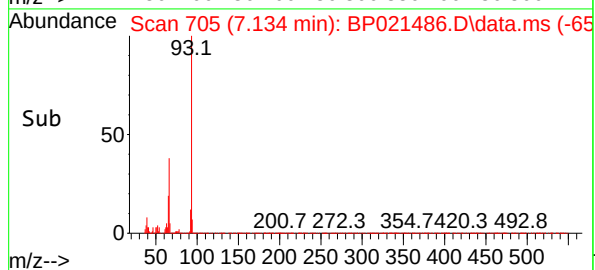
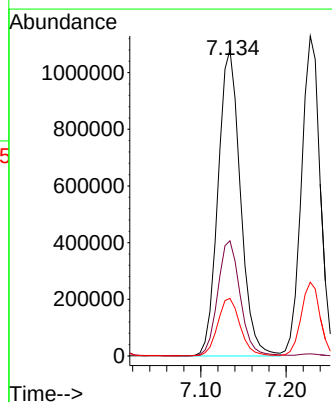
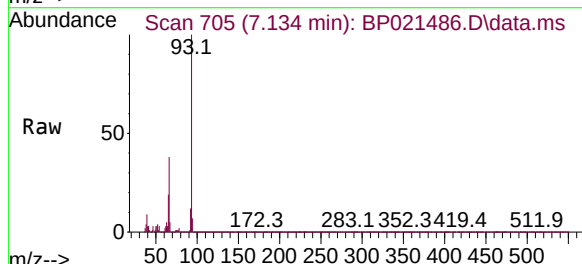
Manual Integrations  
APPROVED

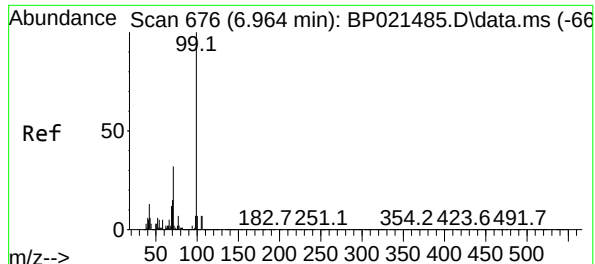
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#6  
Aniline  
Concen: 48.993 ng  
RT: 7.134 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 1973018  
Ion Ratio Lower Upper  
93 100  
66 37.6 30.2 45.2  
65 18.8 14.7 22.1





#7

Phenol-d6

Concen: 99.407 ng

RT: 6.964 min Scan# 61

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 400437

Ion Ratio Lower Upper

99 100

42 12.8 10.2 15.4

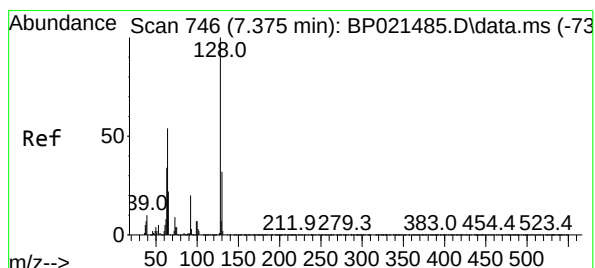
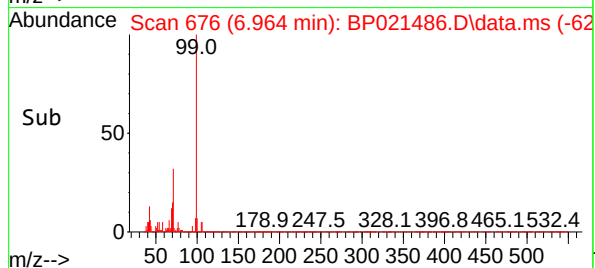
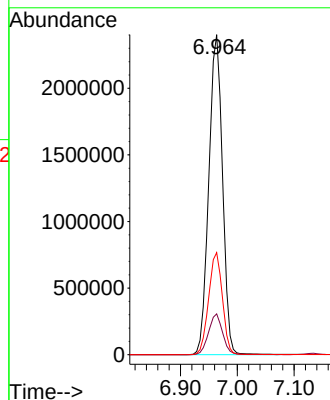
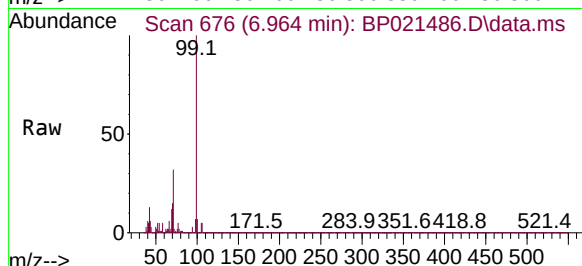
71 31.9 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 49.646 ng

RT: 7.369 min Scan# 745

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

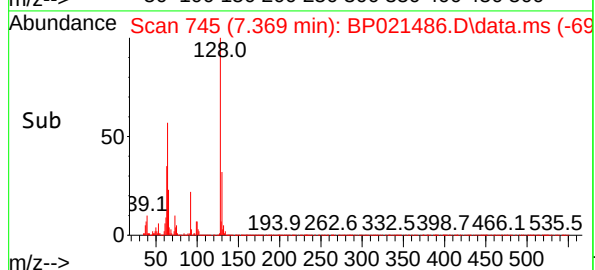
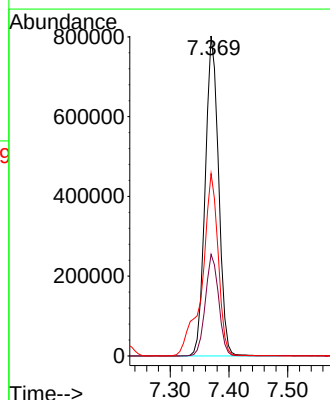
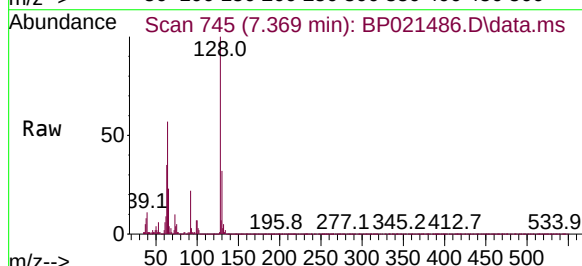
Tgt Ion:128 Resp: 1266906

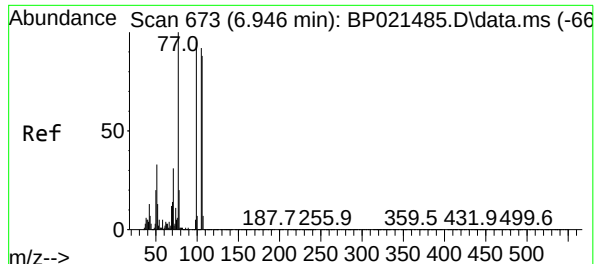
Ion Ratio Lower Upper

128 100

130 31.8 11.6 51.6

64 57.0 35.3 75.3





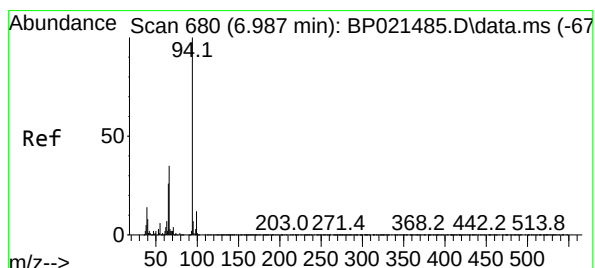
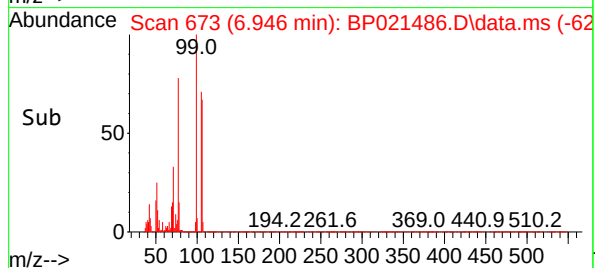
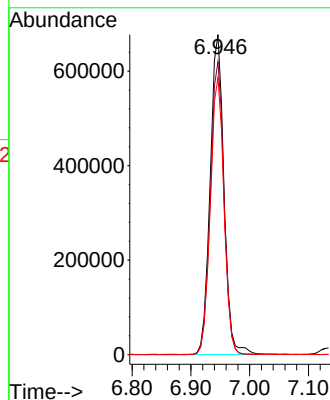
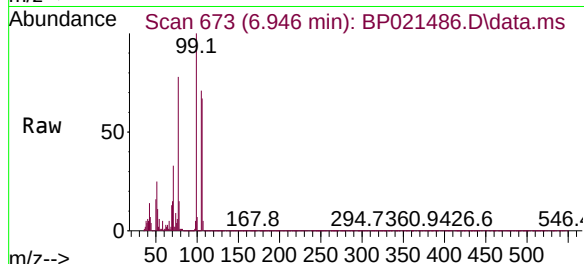
#9  
Benzaldehyde  
Concen: 42.632 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion: 77 Resp: 1099572  
Ion Ratio Lower Upper  
77 100  
105 91.6 72.1 112.1  
106 86.6 67.9 107.9

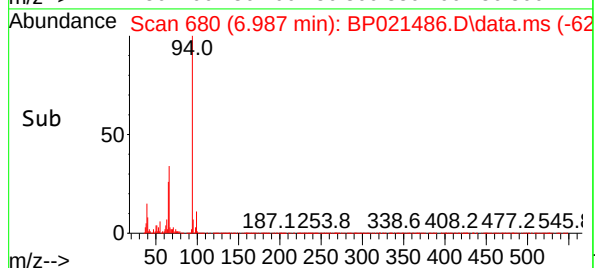
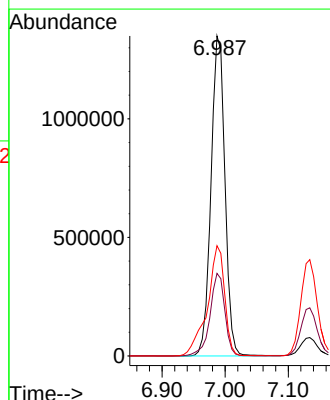
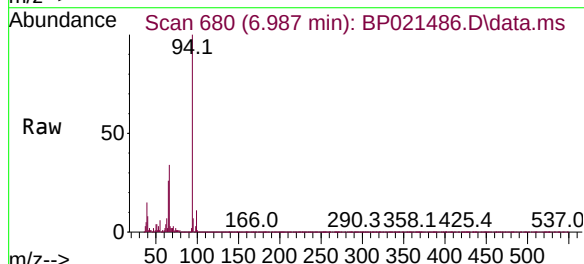
Manual Integrations  
APPROVED

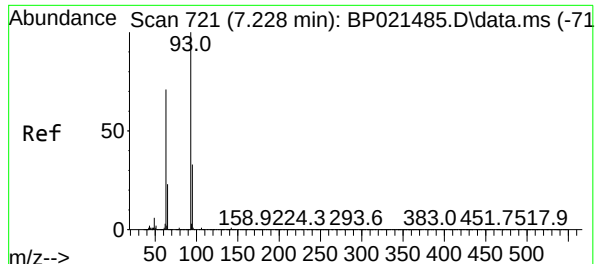
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 49.628 ng  
RT: 6.987 min Scan# 680  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion: 94 Resp: 2070173  
Ion Ratio Lower Upper  
94 100  
65 25.8 6.5 46.5  
66 34.5 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 48.789 ng

RT: 7.228 min Scan# 721

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 1722098

Ion Ratio Lower Upper

93 100

63 70.8 51.0 91.0

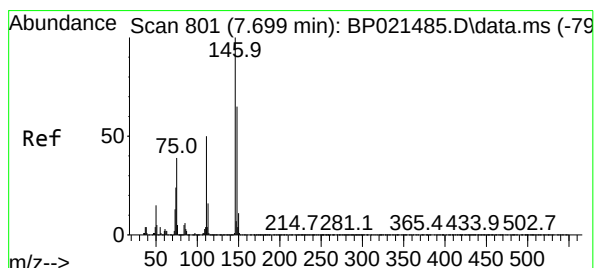
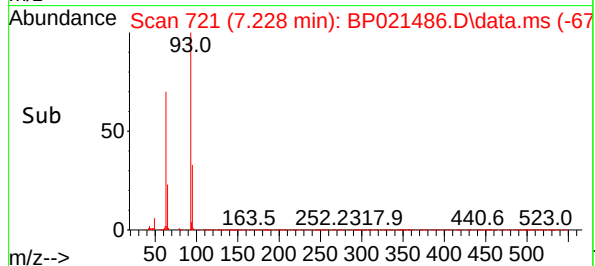
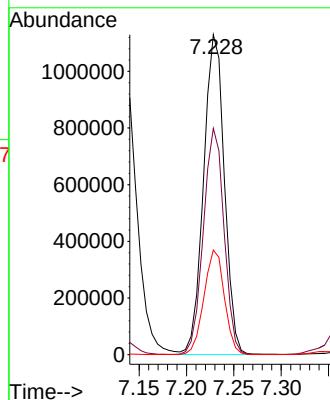
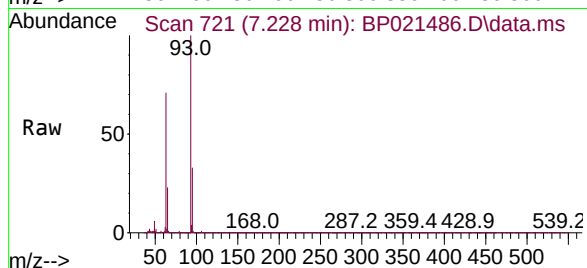
95 32.7 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 48.079 ng

RT: 7.699 min Scan# 801

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

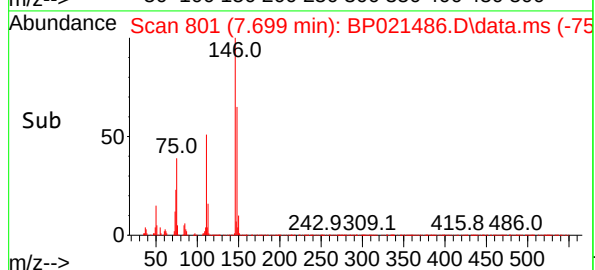
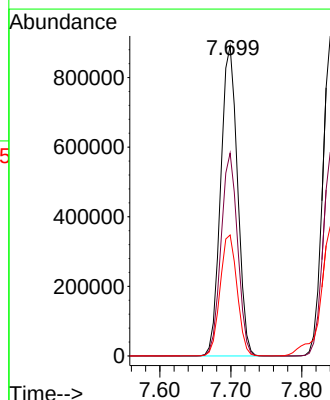
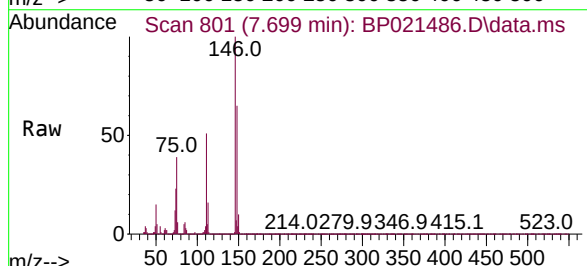
Tgt Ion:146 Resp: 1457386

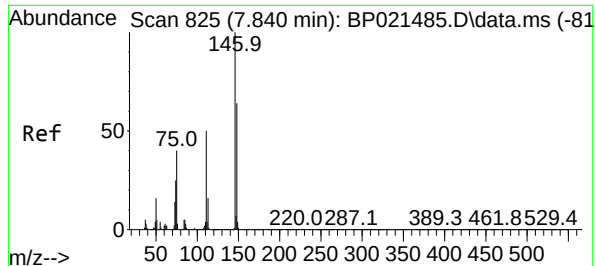
Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.6

75 39.0 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 48.044 ng

RT: 7.840 min Scan# 81

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 147054

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

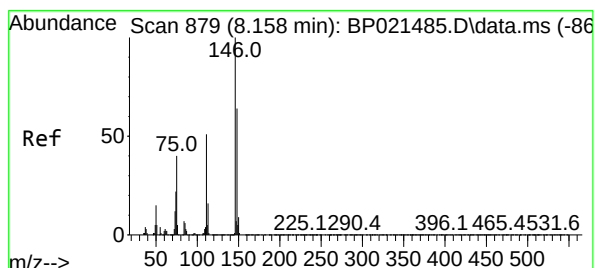
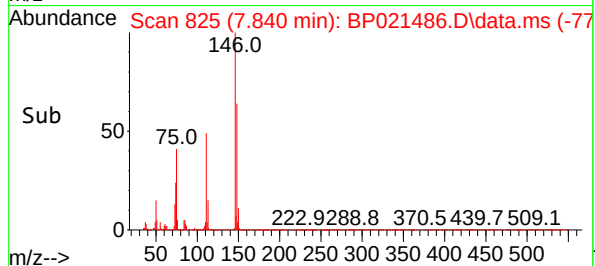
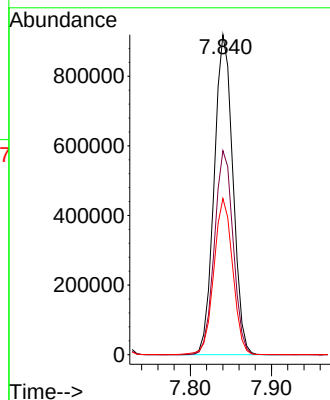
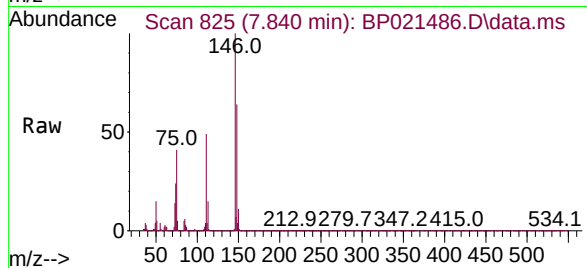
111 48.8 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 47.842 ng

RT: 8.158 min Scan# 879

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

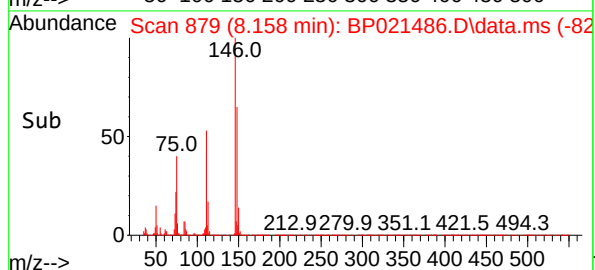
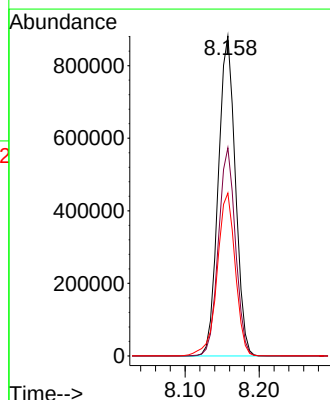
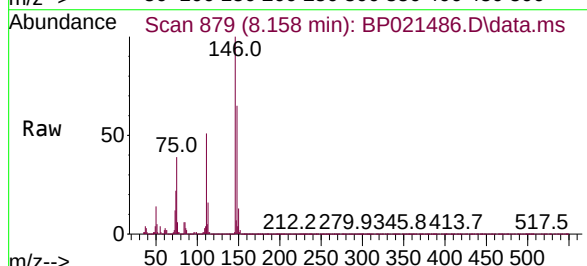
Tgt Ion:146 Resp: 1411170

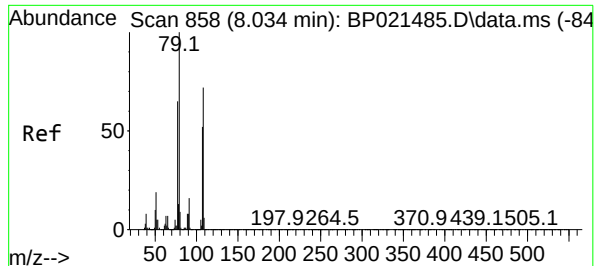
Ion Ratio Lower Upper

146 100

148 65.1 51.5 77.3

111 50.9 41.1 61.7





#15

Benzyl Alcohol

Concen: 50.255 ng

RT: 8.034 min Scan# 858

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 1452510

Ion Ratio Lower Upper

79 100

108 73.0 57.9 86.9

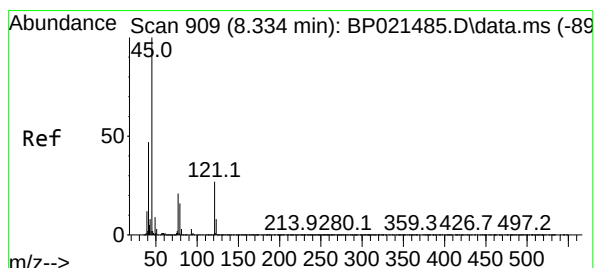
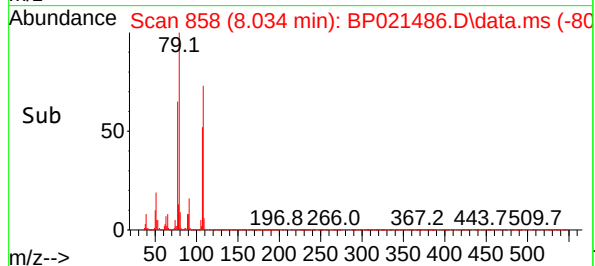
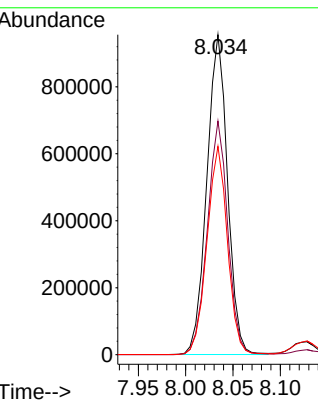
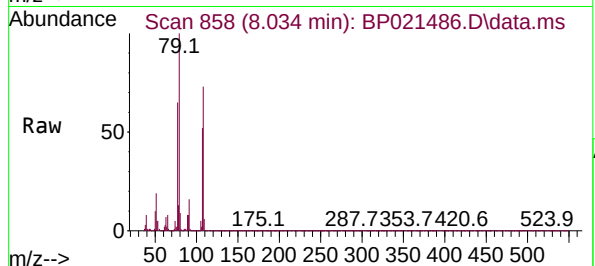
77 65.1 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 48.854 ng

RT: 8.334 min Scan# 909

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

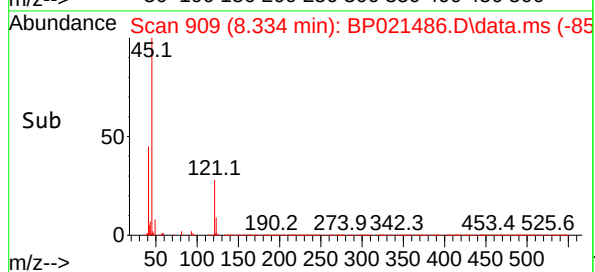
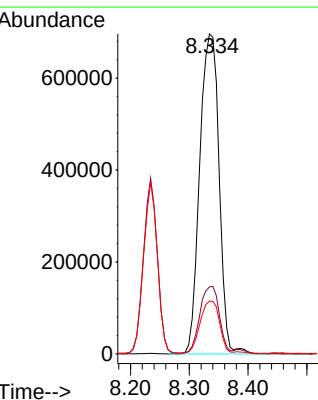
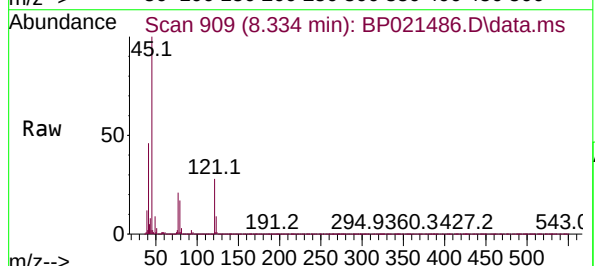
Tgt Ion: 45 Resp: 1588042

Ion Ratio Lower Upper

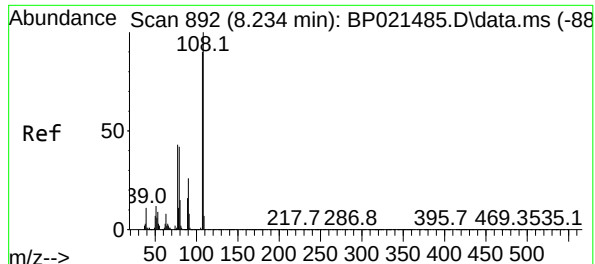
45 100

77 21.0 1.9 41.9

79 16.5 0.0 36.6

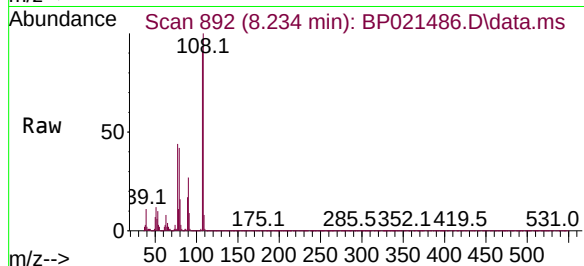






#17  
2-Methylphenol  
Concen: 49.632 ng  
RT: 8.234 min Scan# 892  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

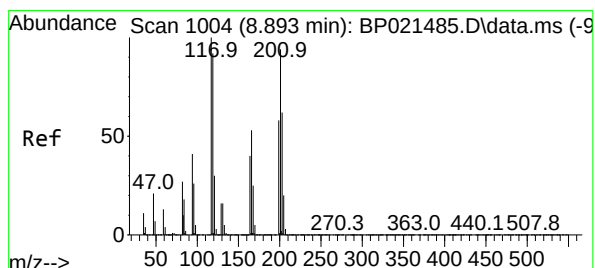
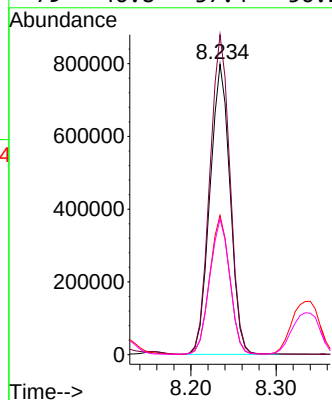
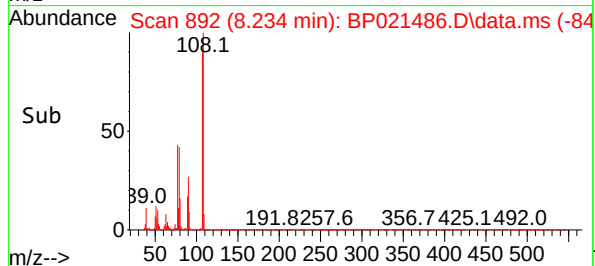
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:107 Resp: 130885  
Ion Ratio Lower Upper  
107 100  
108 110.2 88.8 133.2  
77 47.9 38.7 58.1  
79 46.8 37.4 56.2

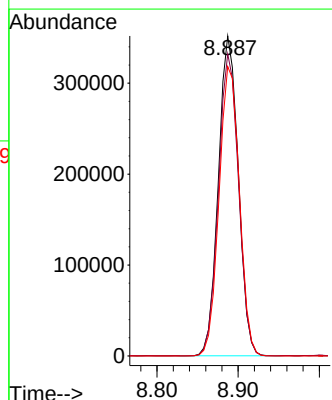
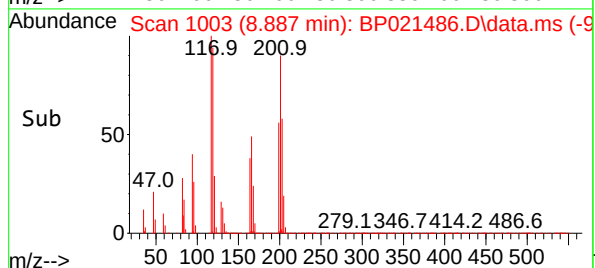
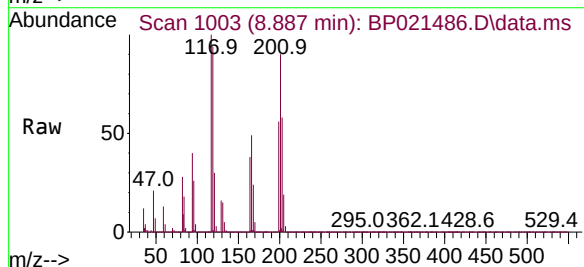
Manual Integrations  
APPROVED

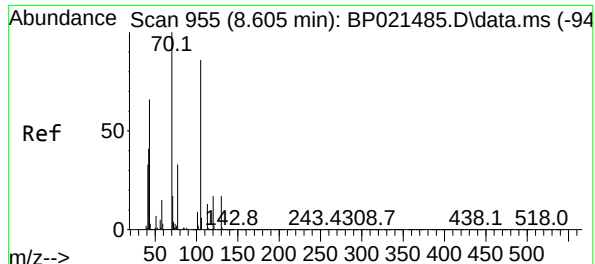
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#18  
Hexachloroethane  
Concen: 49.004 ng  
RT: 8.887 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:117 Resp: 601480  
Ion Ratio Lower Upper  
117 100  
119 94.4 73.9 110.9  
201 90.5 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 48.171 ng

RT: 8.611 min Scan# 91

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 134042

Ion Ratio Lower Upper

70 100

42 41.2 33.1 49.7

101 9.6 7.4 11.2

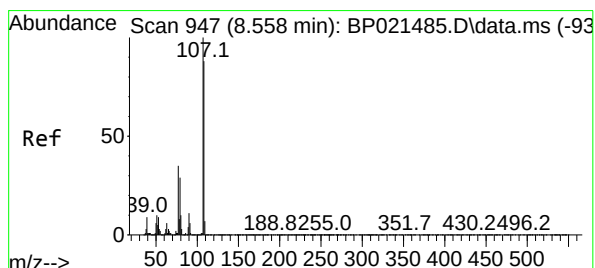
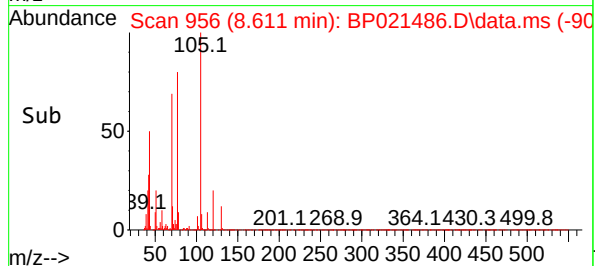
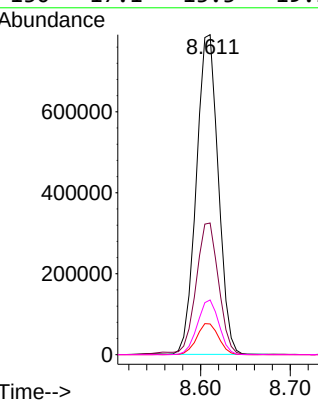
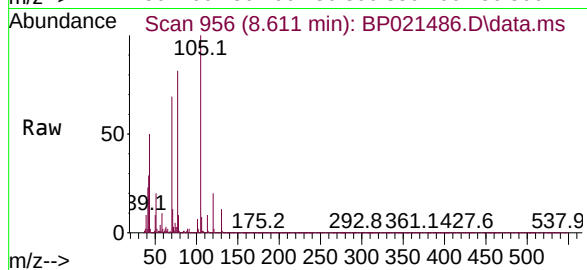
130 17.1 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

Concen: 49.982 ng

RT: 8.564 min Scan# 948

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1777289

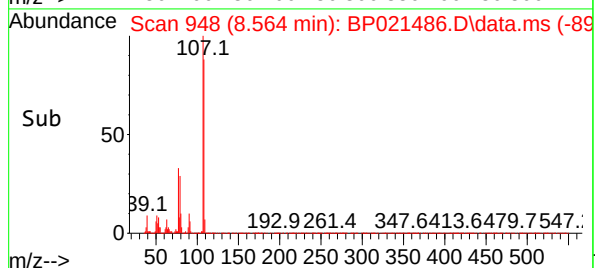
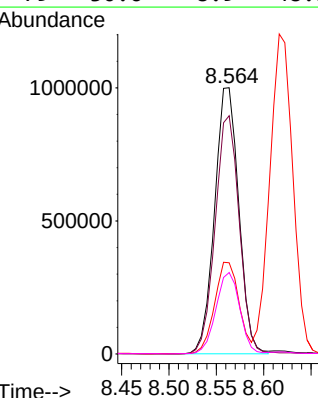
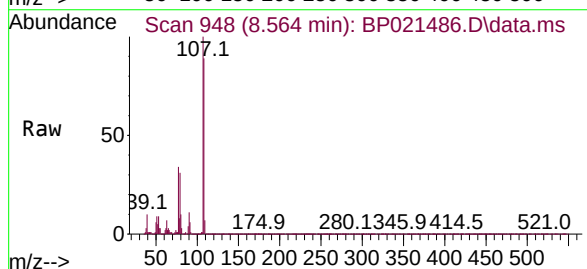
Ion Ratio Lower Upper

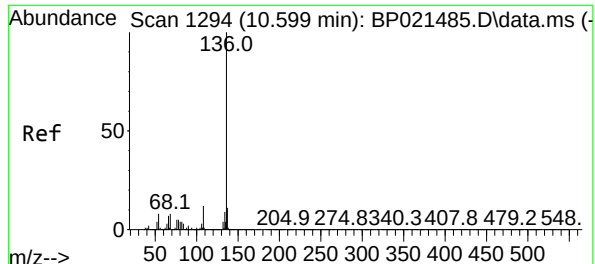
107 100

108 89.5 67.6 107.6

77 34.2 15.0 55.0

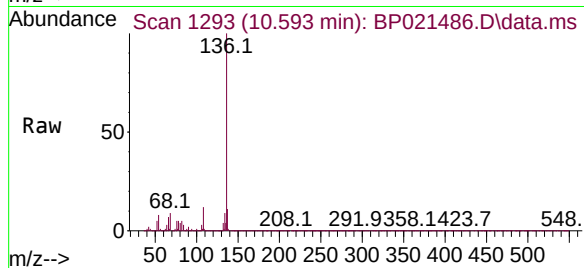
79 30.6 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

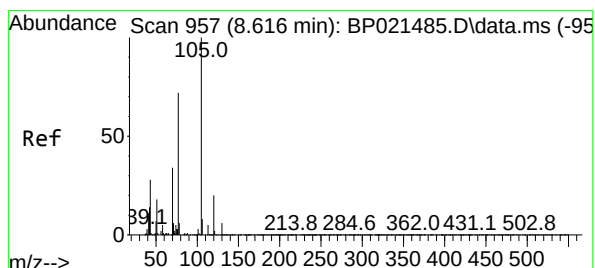
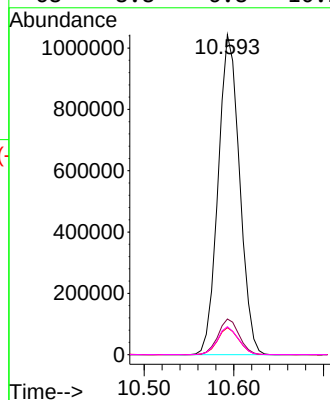
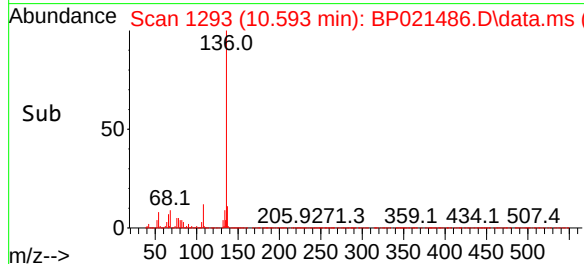
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:136 Resp: 1728750  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 8.5 6.3 9.5  
68 8.8 6.8 10.2

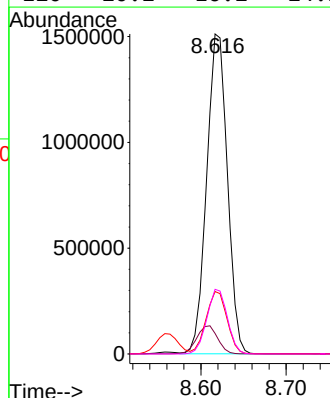
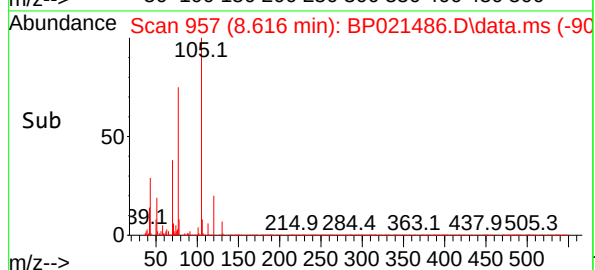
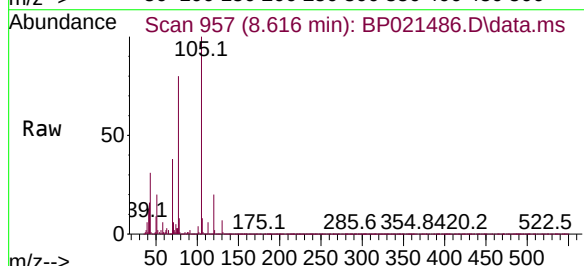
Manual Integrations  
APPROVED

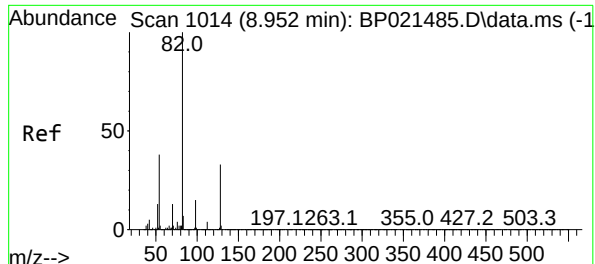
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#22  
Acetophenone  
Concen: 48.058 ng  
RT: 8.616 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:105 Resp: 2552368  
Ion Ratio Lower Upper  
105 100  
71 6.4 4.6 7.0  
51 19.5 16.3 24.5  
120 20.2 16.2 24.2





#23

Nitrobenzene-d5

Concen: 106.266 ng

RT: 8.958 min Scan# 1015

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 355921

Ion Ratio Lower Upper

82 100

128 34.8 26.5 39.7

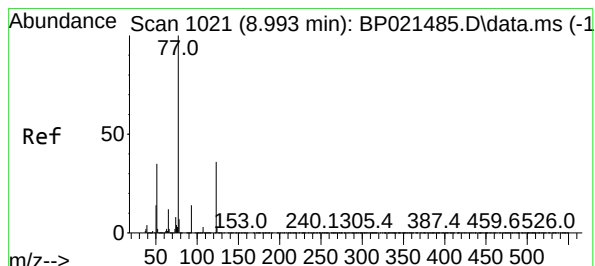
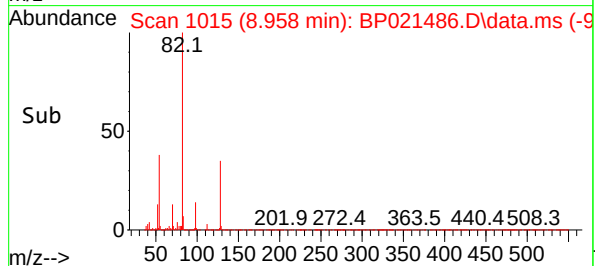
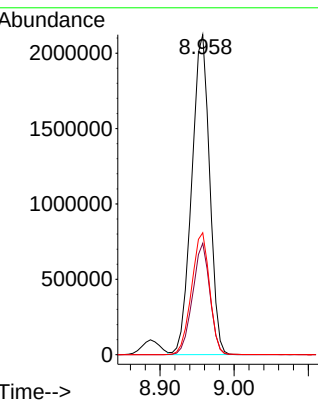
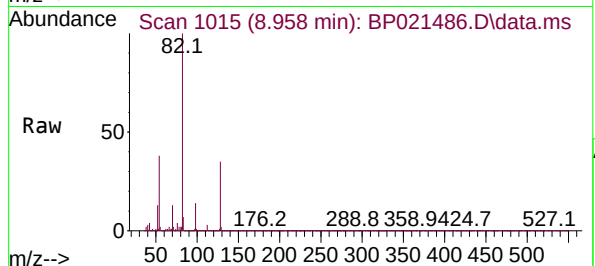
54 38.1 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 51.725 ng

RT: 8.999 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

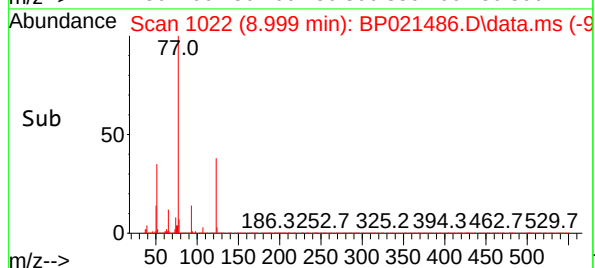
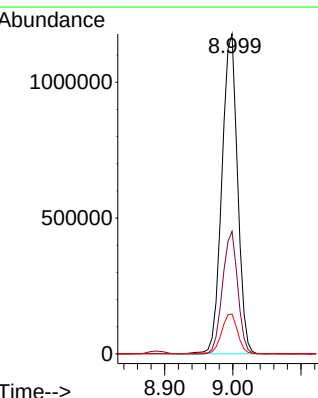
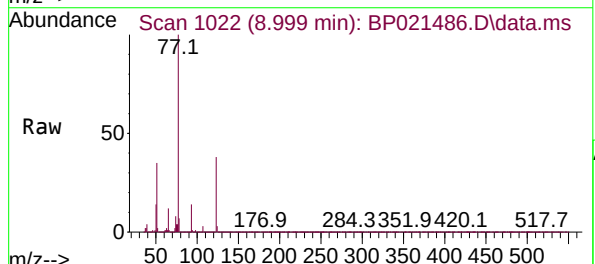
Tgt Ion: 77 Resp: 1881606

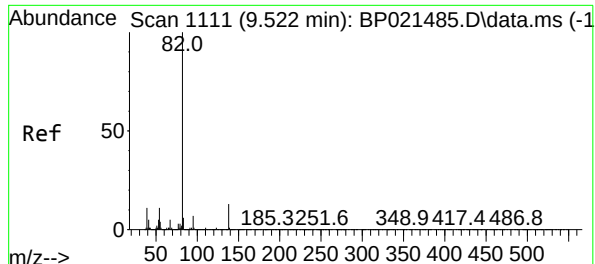
Ion Ratio Lower Upper

77 100

123 38.3 29.5 44.3

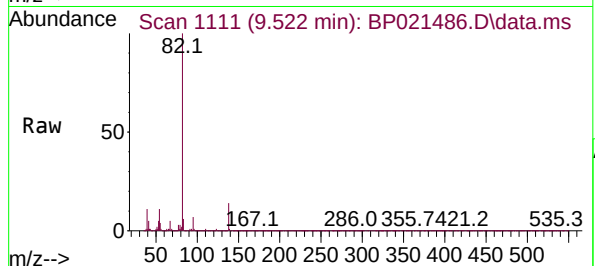
65 12.4 9.9 14.9





#25  
Isophorone  
Concen: 47.889 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

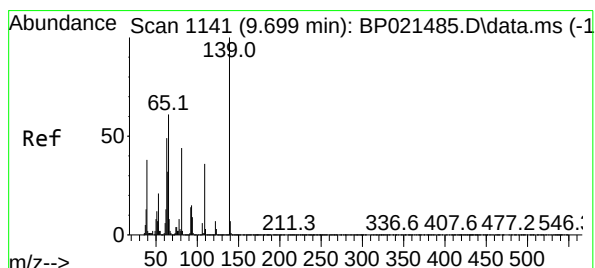
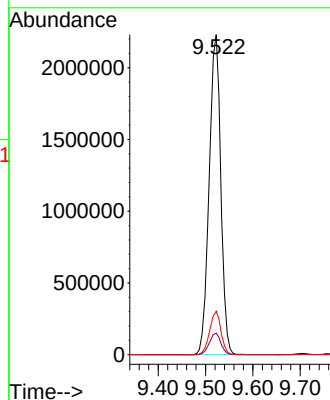
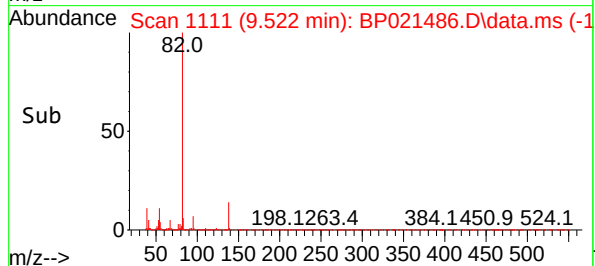
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



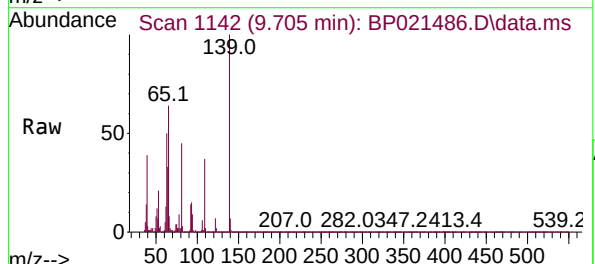
Tgt Ion: 82 Resp: 3789274  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.2  
138 13.6 10.6 16.0

Manual Integrations  
APPROVED

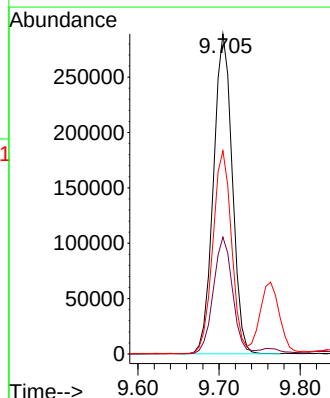
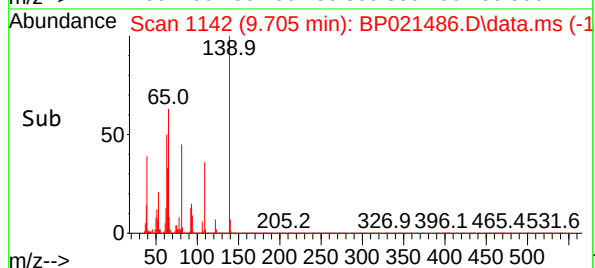
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

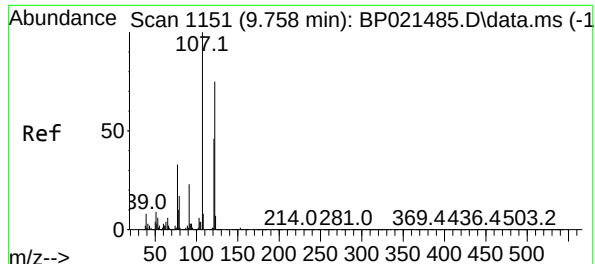


#26  
2-Nitrophenol  
Concen: 49.970 ng  
RT: 9.705 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09



Tgt Ion:139 Resp: 464597  
Ion Ratio Lower Upper  
139 100  
109 36.5 28.9 43.3  
65 63.5 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 48.987 ng

RT: 9.763 min Scan# 1151

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

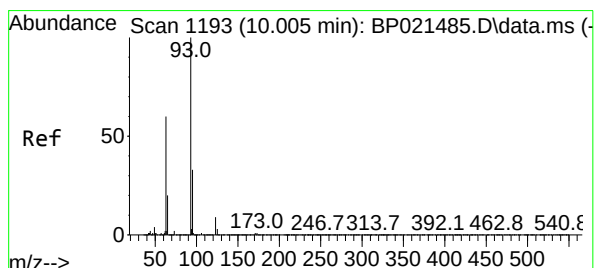
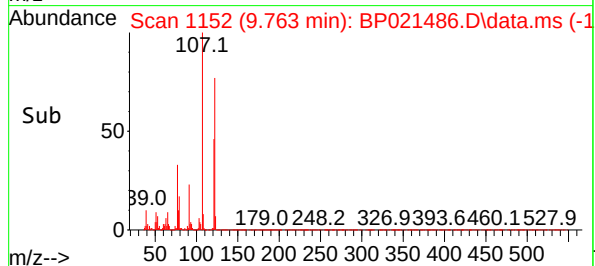
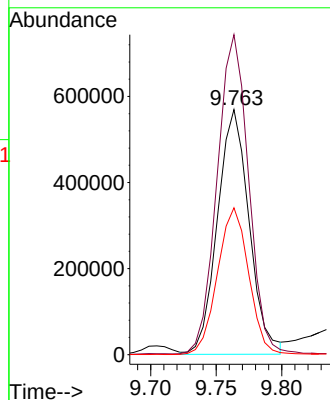
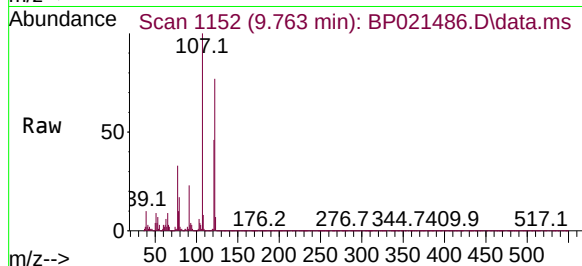
SSTDICC050

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 130.6 | 106.2 | 159.4 |
| 121     | 60.0  | 48.8  | 73.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 48.504 ng

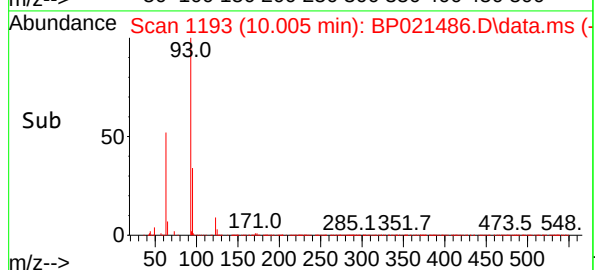
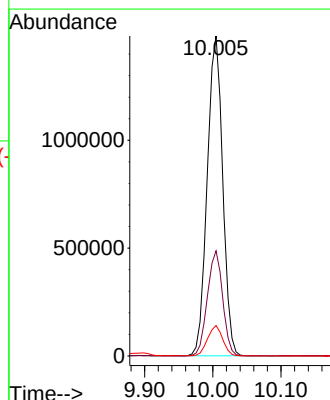
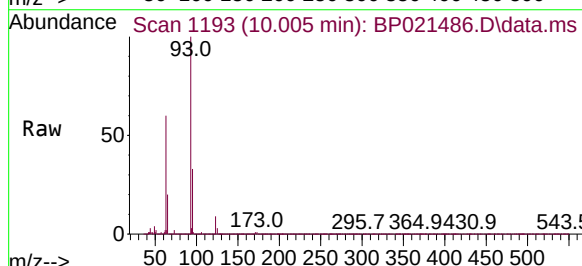
RT: 10.005 min Scan# 1193

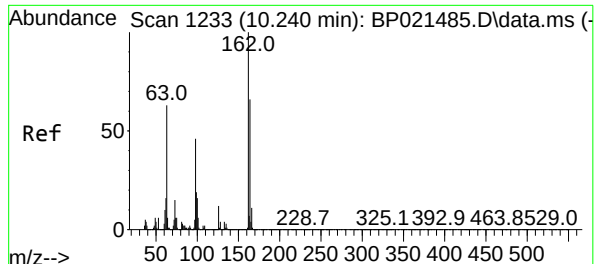
Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

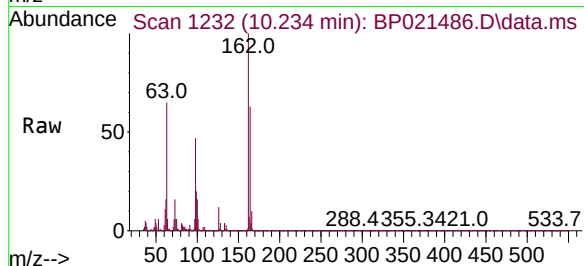
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 26.2  | 39.4  |
| 123     | 9.5   | 7.6   | 11.4  |





#29  
2,4-Dichlorophenol  
Concen: 51.545 ng  
RT: 10.234 min Scan# 1232  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

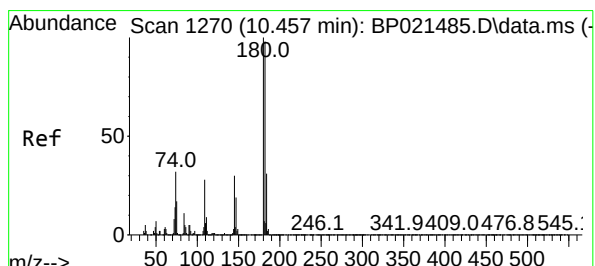
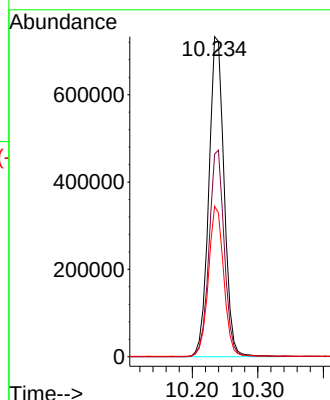
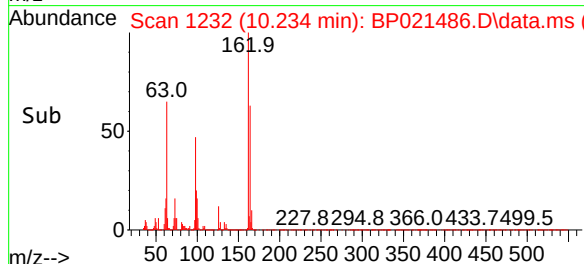
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



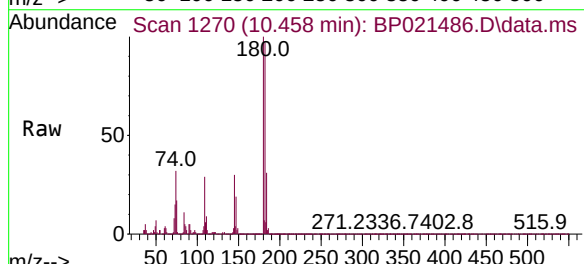
Tgt Ion:162 Resp: 118925  
Ion Ratio Lower Upper  
162 100  
164 63.3 45.9 85.9  
98 47.0 26.3 66.3

Manual Integrations  
APPROVED

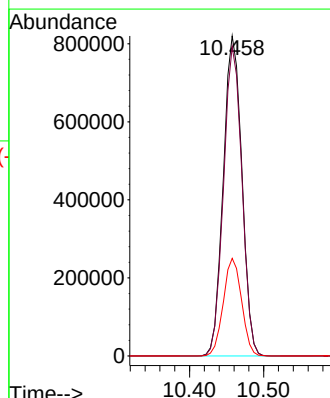
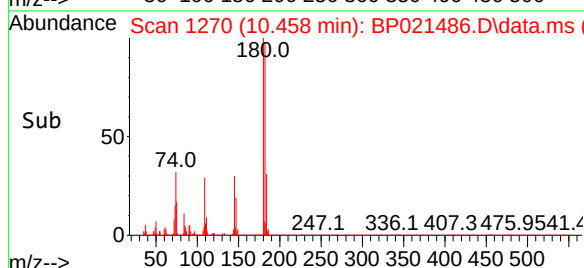
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

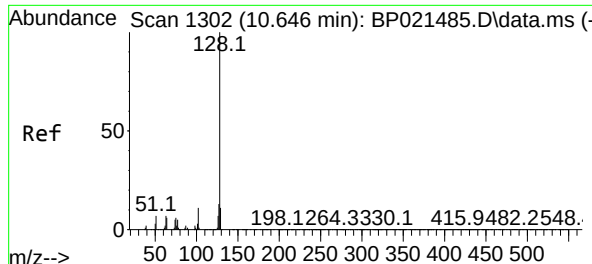


#30  
1,2,4-Trichlorobenzene  
Concen: 48.296 ng  
RT: 10.458 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09



Tgt Ion:180 Resp: 1428575  
Ion Ratio Lower Upper  
180 100  
182 96.7 78.3 117.5  
145 30.5 24.0 36.0





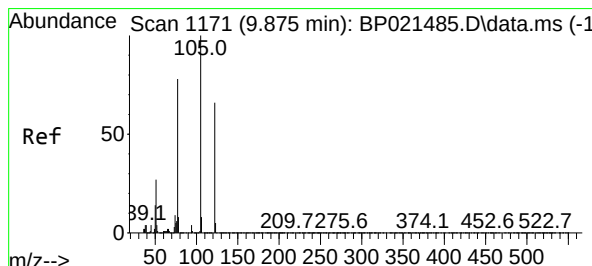
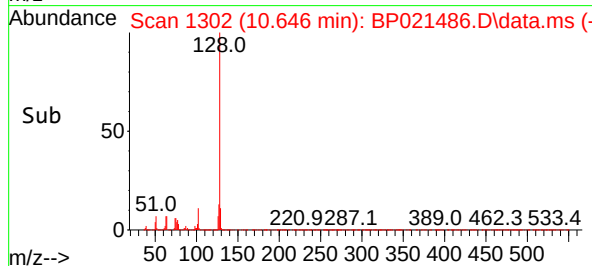
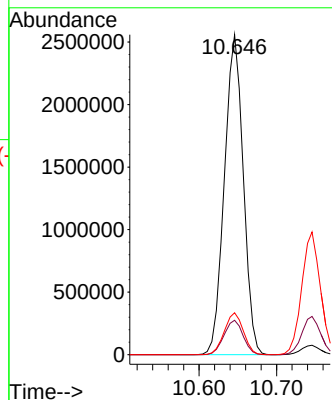
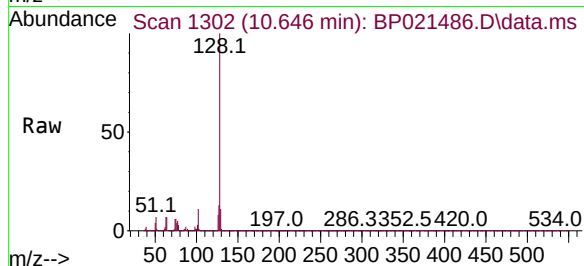
#31  
Naphthalene  
Concen: 47.949 ng  
RT: 10.646 min Scan# 1175  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion:128 Resp: 433034  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 13.1 10.6 15.8

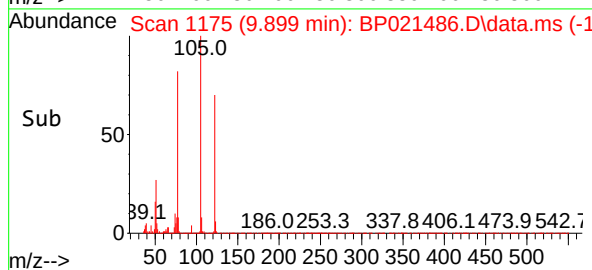
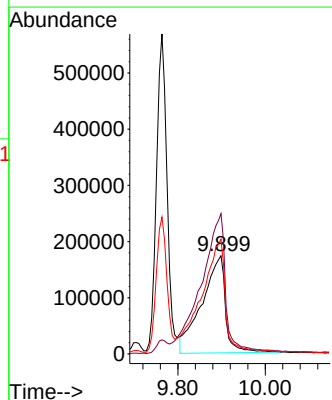
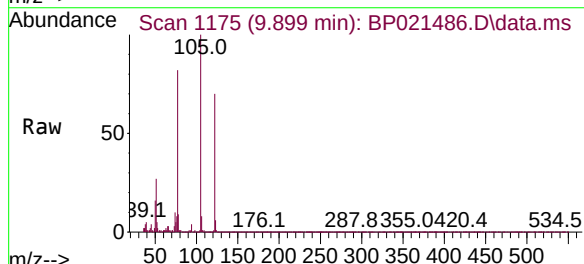
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

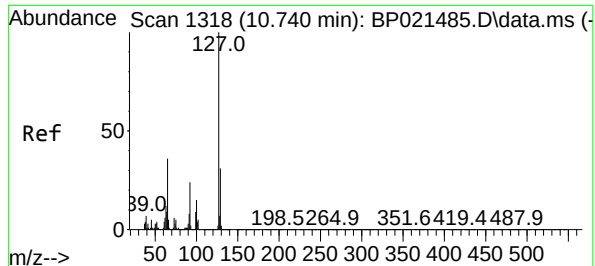


#32  
Benzoic acid  
Concen: 50.213 ng  
RT: 9.899 min Scan# 1175  
Delta R.T. 0.024 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 652668  
Ion Ratio Lower Upper  
122 100  
105 142.9 124.6 164.6  
77 116.7 96.2 136.2

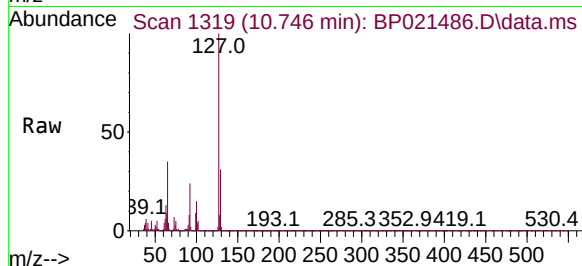






#33  
4-Chloroaniline  
Concen: 48.345 ng  
RT: 10.746 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

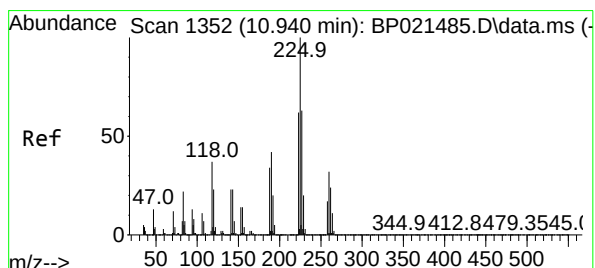
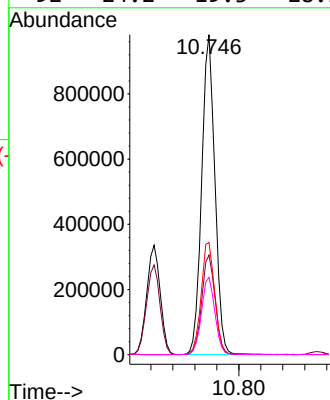
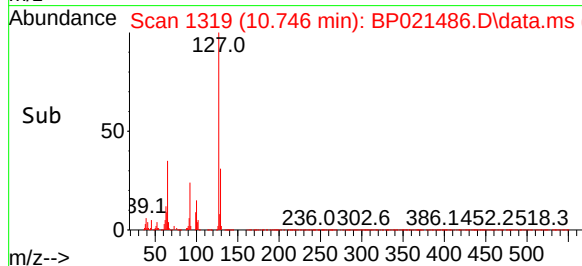
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:127 Resp: 1640020  
Ion Ratio Lower Upper  
127 100  
129 31.2 24.5 36.7  
65 35.1 28.9 43.3  
92 24.2 19.3 28.9

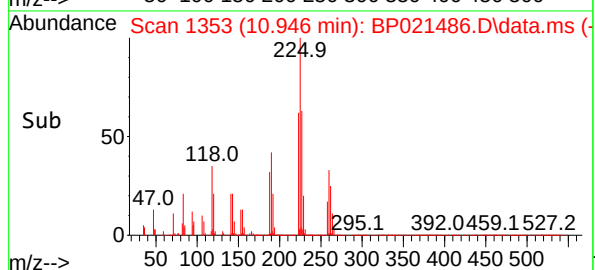
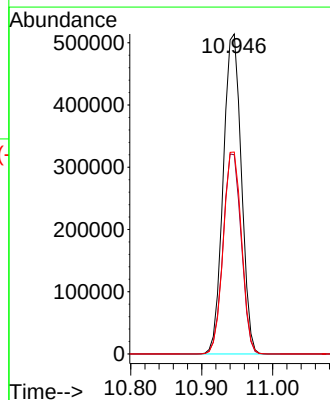
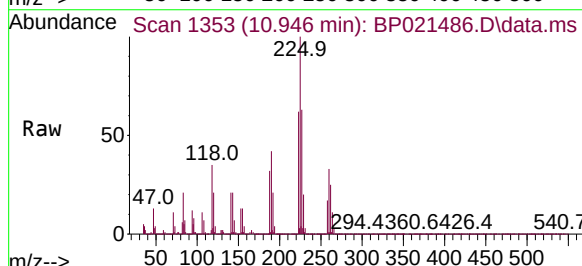
Manual Integrations  
APPROVED

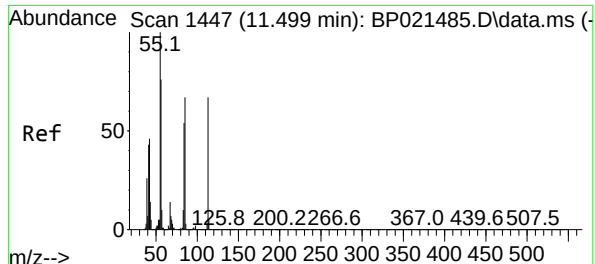
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#34  
Hexachlorobutadiene  
Concen: 48.672 ng  
RT: 10.946 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

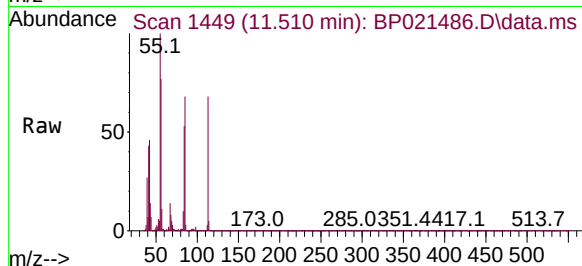
Tgt Ion:225 Resp: 906501  
Ion Ratio Lower Upper  
225 100  
223 62.2 49.6 74.4  
227 63.1 50.1 75.1





#35  
Caprolactam  
Concen: 48.850 ng  
RT: 11.510 min Scan# 1447  
Delta R.T. 0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

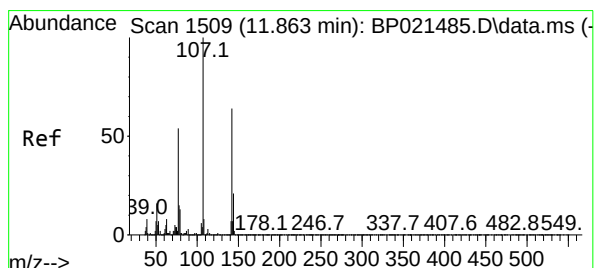
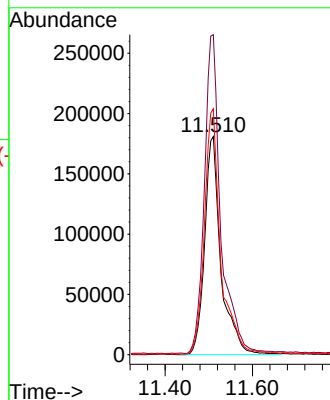
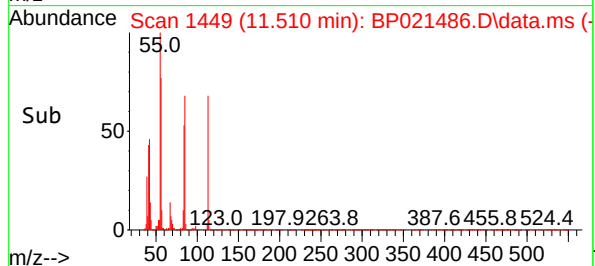
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:113 Resp: 46907  
Ion Ratio Lower Upper  
113 100  
55 146.7 130.6 170.6  
56 112.8 94.6 134.6

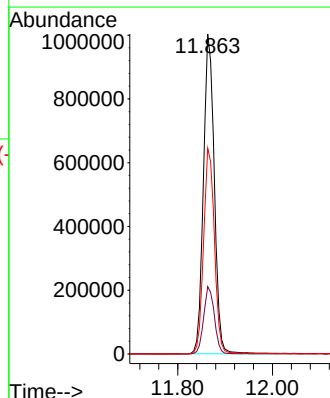
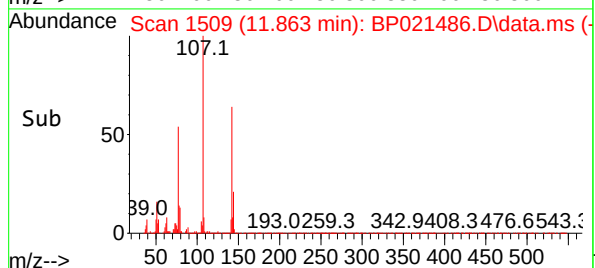
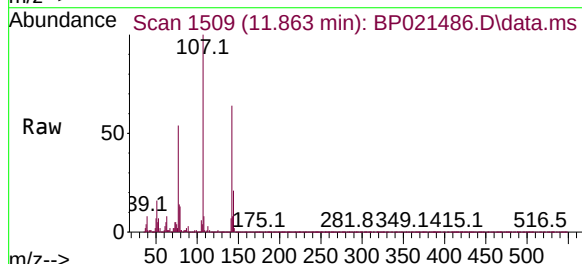
Manual Integrations  
APPROVED

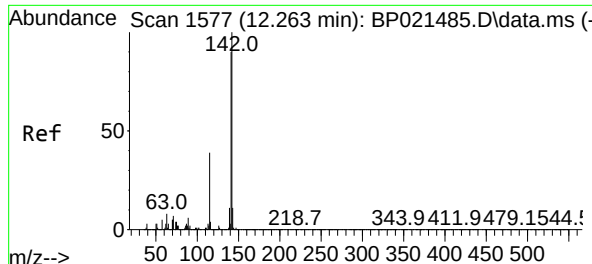
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#36  
4-Chloro-3-methylphenol  
Concen: 50.008 ng  
RT: 11.863 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1600490  
Ion Ratio Lower Upper  
107 100  
144 21.0 16.6 24.8  
142 64.3 51.0 76.4





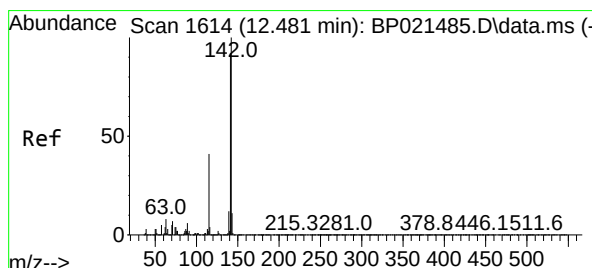
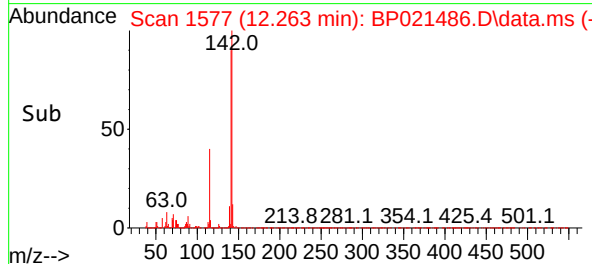
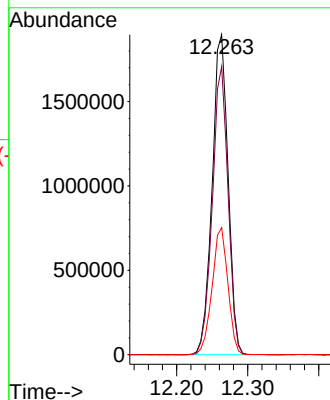
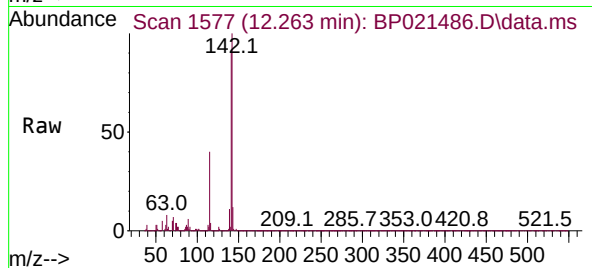
#37  
2-Methylnaphthalene  
Concen: 47.872 ng  
RT: 12.263 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion:142 Resp: 2950679  
Ion Ratio Lower Upper  
142 100  
141 90.0 71.7 107.5  
115 39.7 31.4 47.2

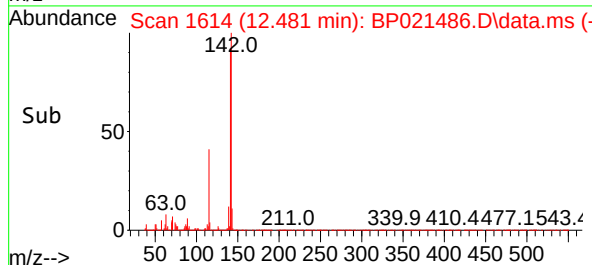
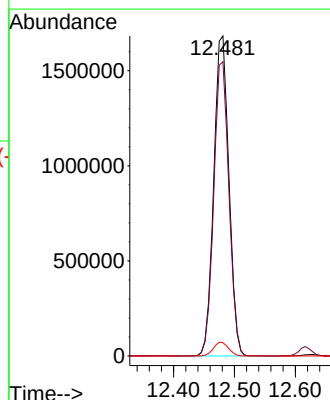
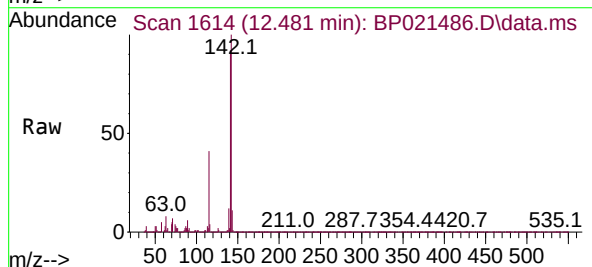
Manual Integrations  
APPROVED

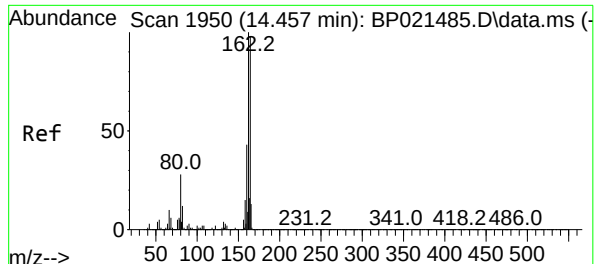
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#38  
1-Methylnaphthalene  
Concen: 47.838 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 2908087  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.5 110.3  
116 4.2 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.446 min Scan# 1950

Delta R.T. -0.012 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 111920

Ion Ratio Lower Upper

164 100

162 102.0 81.5 122.3

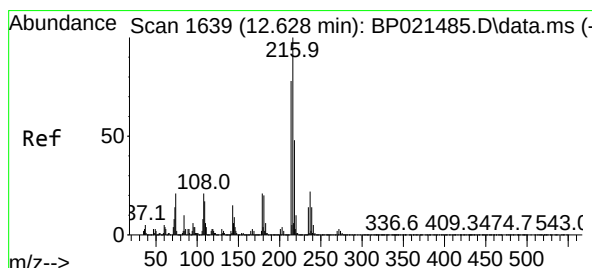
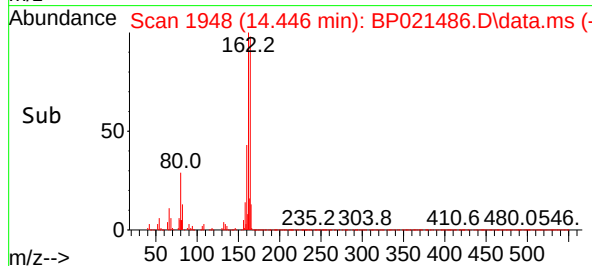
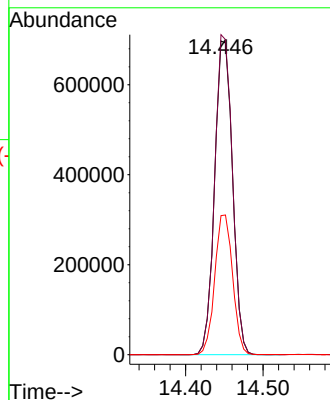
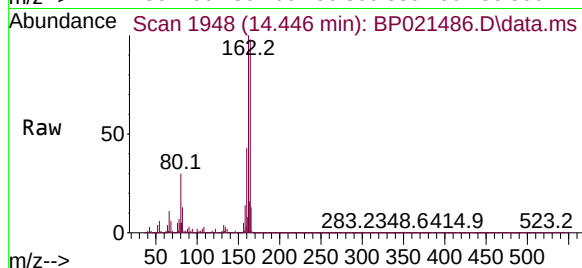
160 44.3 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.332 ng

RT: 12.628 min Scan# 1639

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Tgt Ion:216 Resp: 1617735

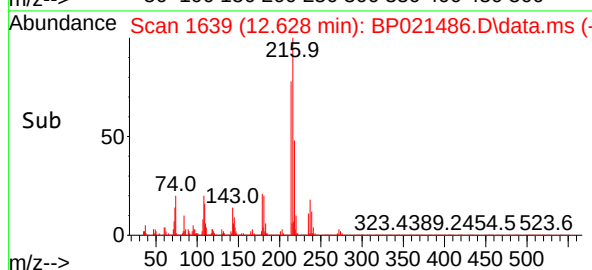
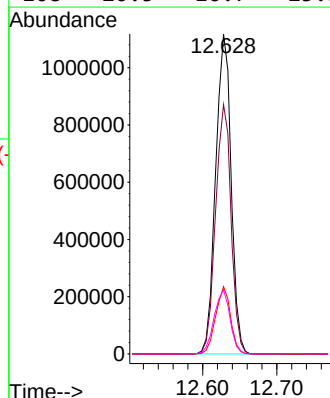
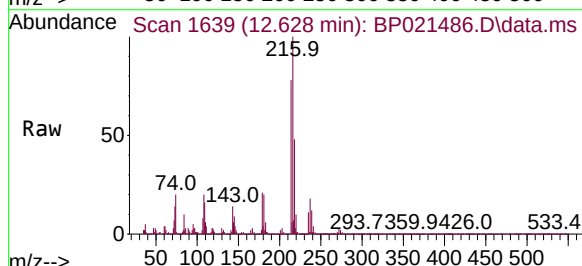
Ion Ratio Lower Upper

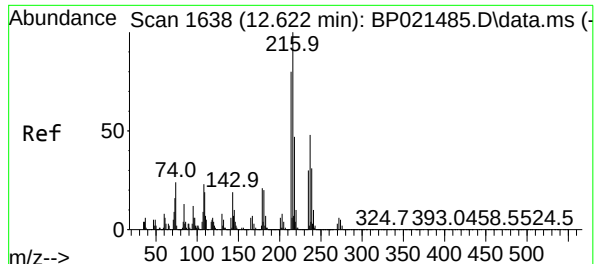
216 100

214 78.1 62.5 93.7

179 20.3 16.4 24.6

108 20.5 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 52.560 ng

RT: 12.616 min Scan# 1637

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 546269

Ion Ratio Lower Upper

237 100

235 63.3 43.9 83.9

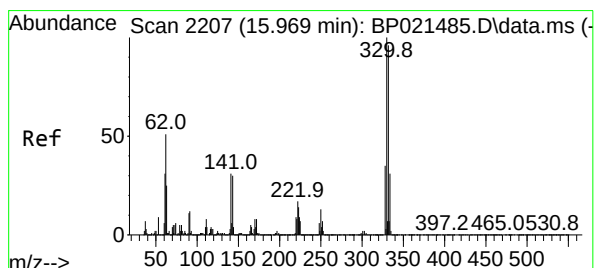
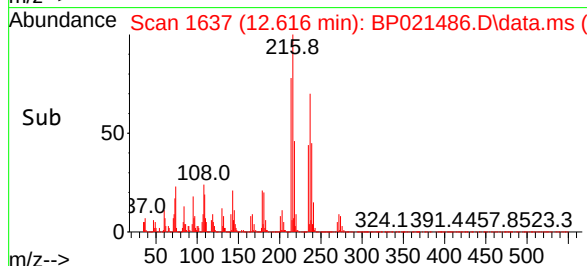
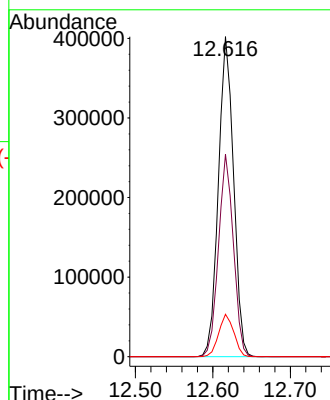
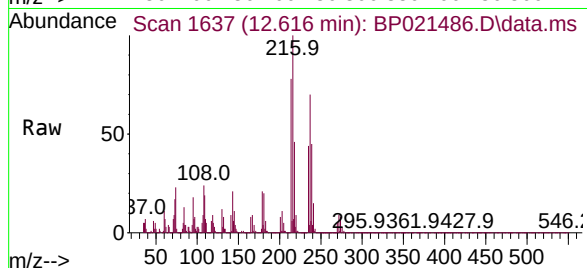
272 13.2 0.0 33.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#42

2,4,6-Tribromophenol

Concen: 103.974 ng

RT: 15.969 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

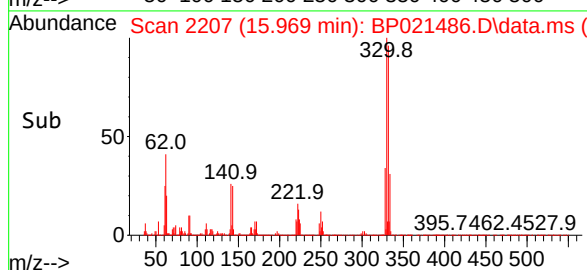
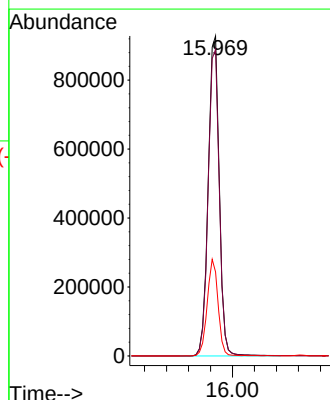
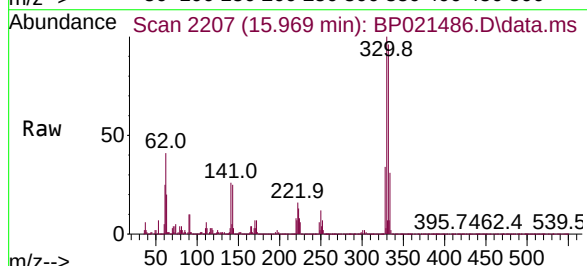
Tgt Ion:330 Resp: 1295133

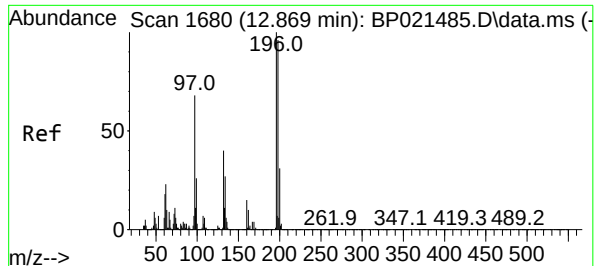
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 29.8 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 52.124 ng

RT: 12.863 min Scan# 1680

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

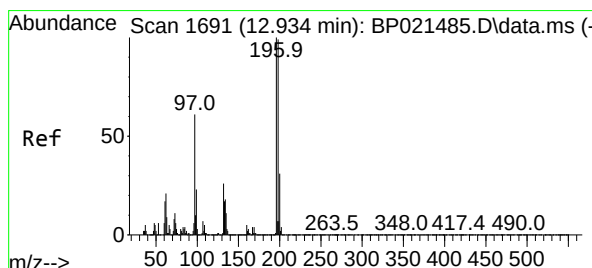
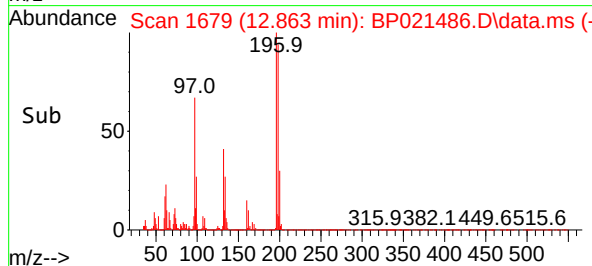
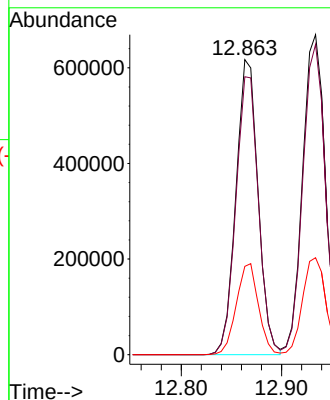
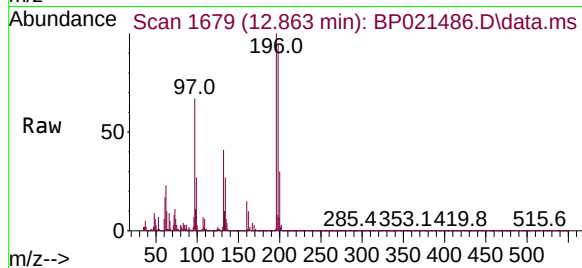
SSTDICC050

| Tgt Ion:  | 196   | Resp: | 949480 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.2  | 76.6  | 114.8  |
| 200       | 30.0  | 24.5  | 36.7   |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 52.191 ng

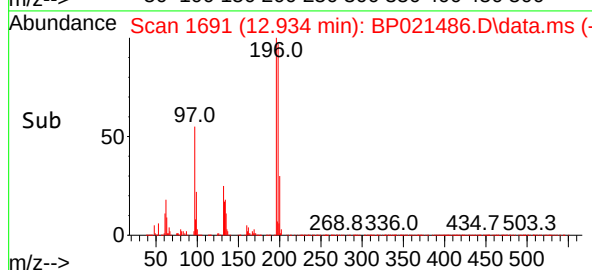
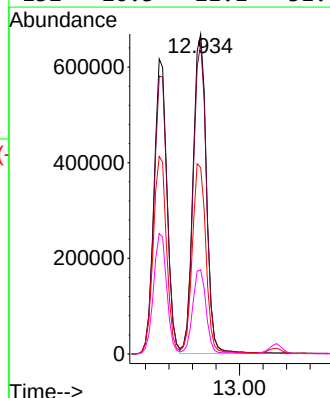
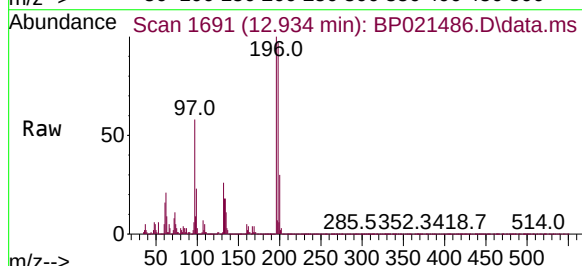
RT: 12.934 min Scan# 1691

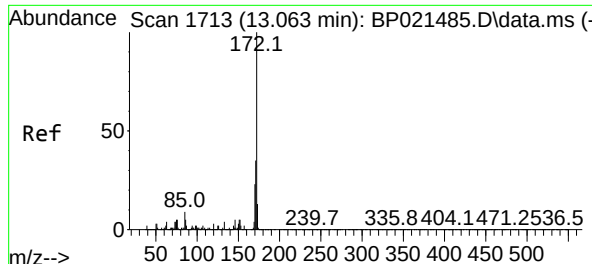
Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

| Tgt Ion:  | 196   | Resp: | 1056277 |
|-----------|-------|-------|---------|
| Ion Ratio | Lower | Upper |         |
| 196       | 100   |       |         |
| 198       | 97.0  | 78.9  | 118.3   |
| 97        | 58.2  | 49.4  | 74.0    |
| 132       | 26.3  | 21.1  | 31.7    |





#45

2-Fluorobiphenyl

Concen: 96.455 ng

RT: 13.063 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 7073510

Ion Ratio Lower Upper

172 100

171 36.0 28.2 42.4

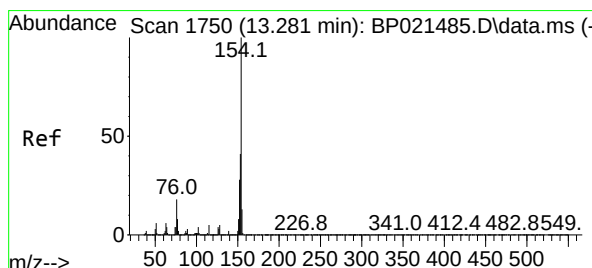
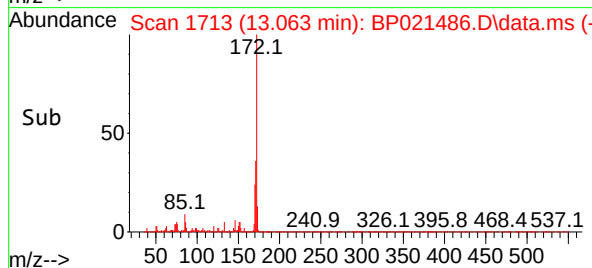
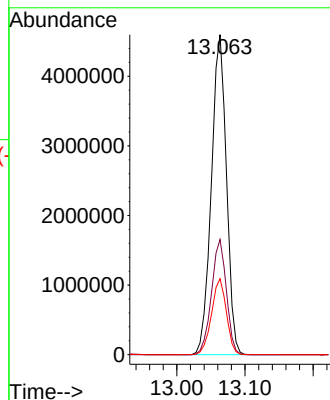
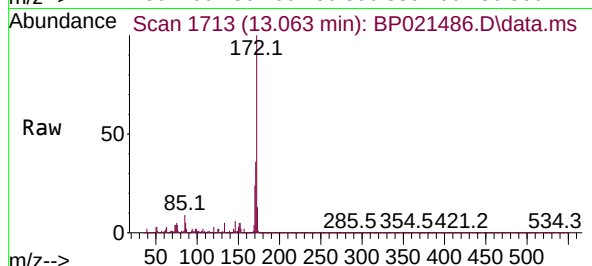
170 23.8 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#46

1,1'-Biphenyl

Concen: 48.139 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

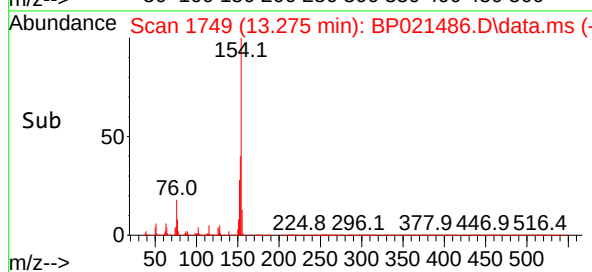
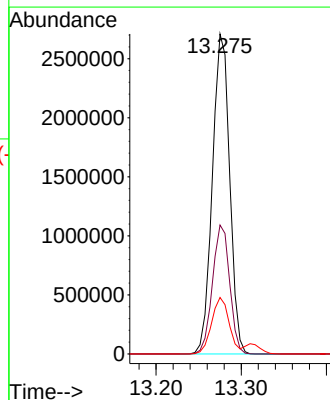
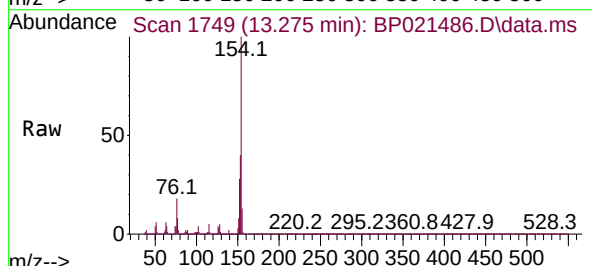
Tgt Ion:154 Resp: 3811862

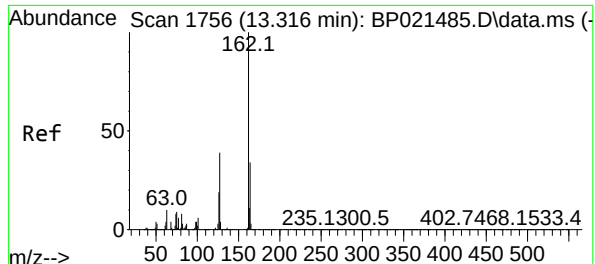
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 17.6 0.0 37.7





#47

2-Chloronaphthalene

Concen: 48.332 ng

RT: 13.310 min Scan# 1755

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 297955

Ion Ratio Lower Upper

162 100

127 40.9 31.9 47.9

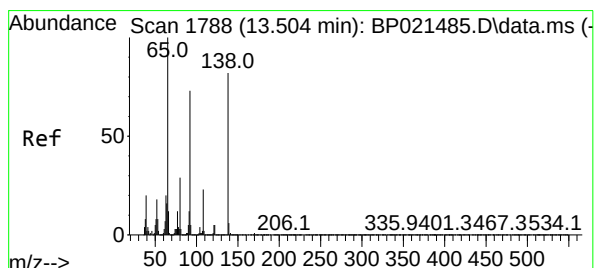
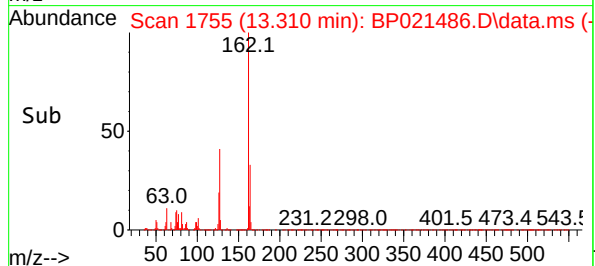
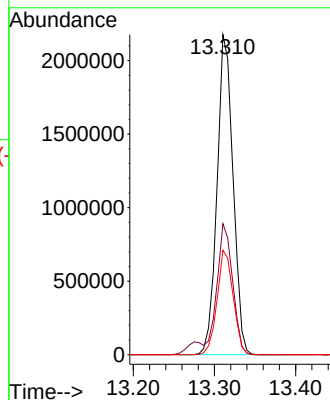
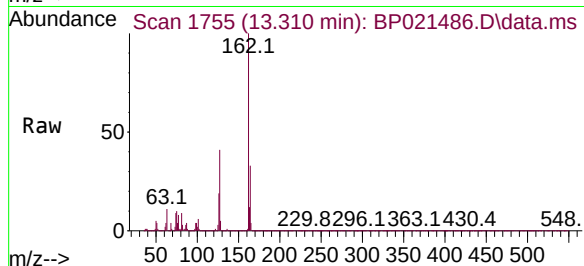
164 32.7 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 47.603 ng

RT: 13.504 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

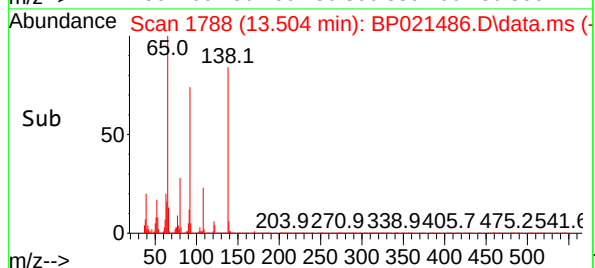
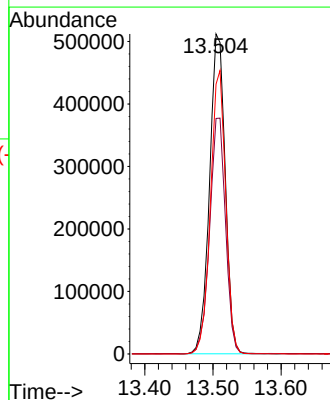
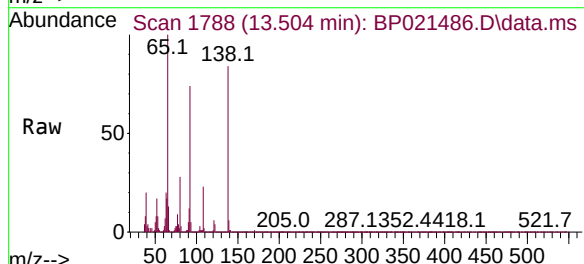
Tgt Ion: 65 Resp: 821676

Ion Ratio Lower Upper

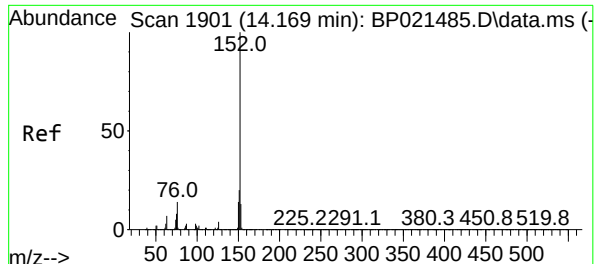
65 100

92 73.6 58.1 87.1

138 84.3 65.5 98.3







#49

Acenaphthylene

Concen: 48.190 ng

RT: 14.169 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 436722

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

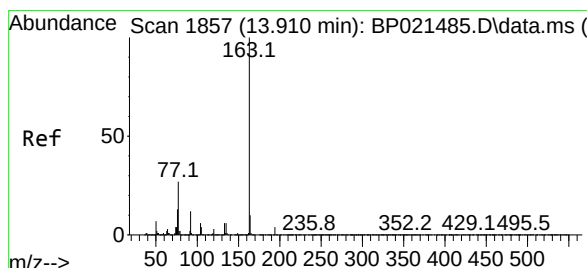
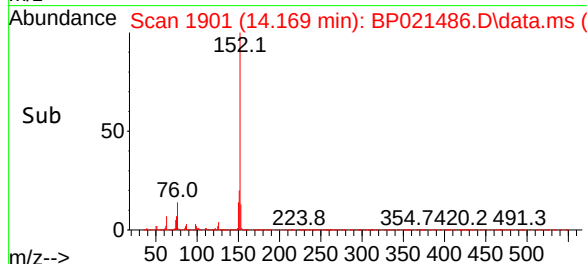
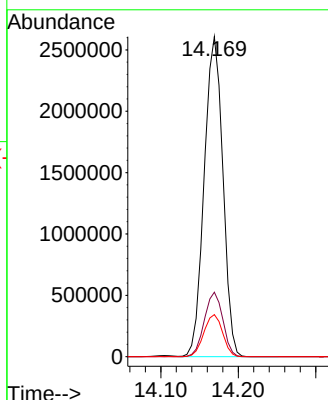
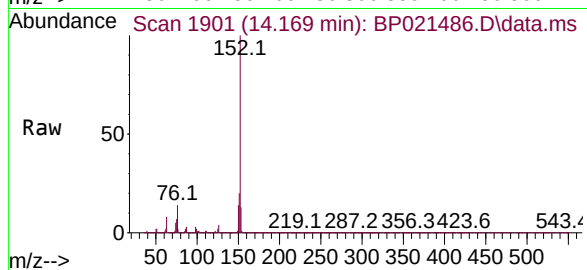
153 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 47.620 ng

RT: 13.910 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

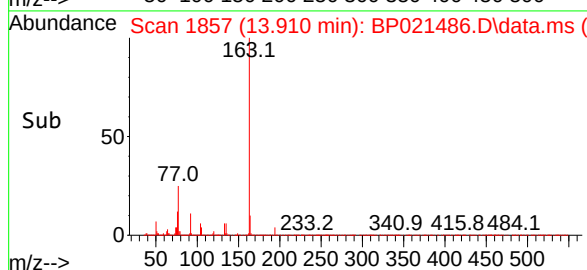
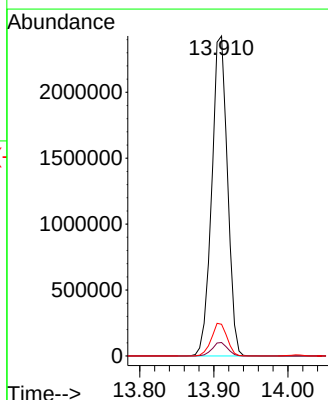
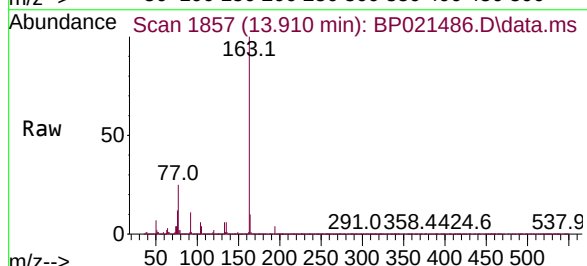
Tgt Ion:163 Resp: 3569162

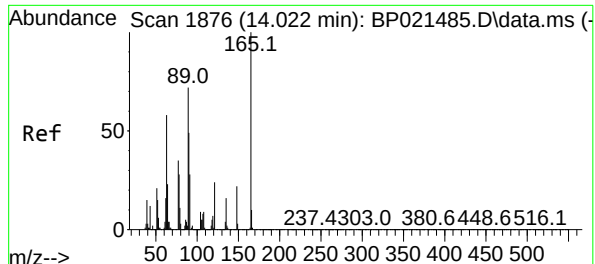
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 9.9 8.3 12.5





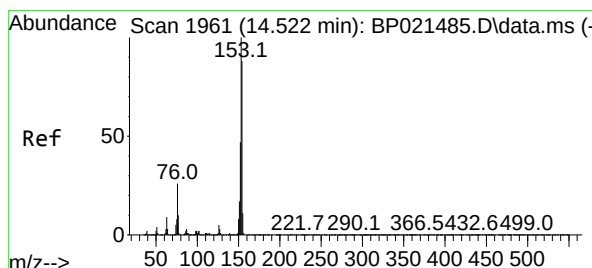
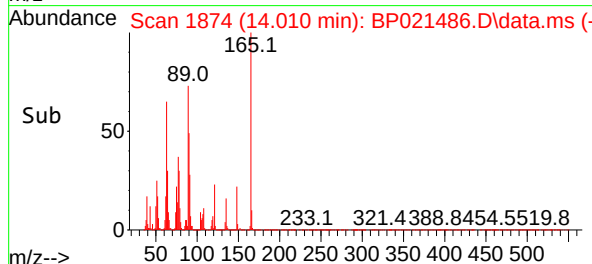
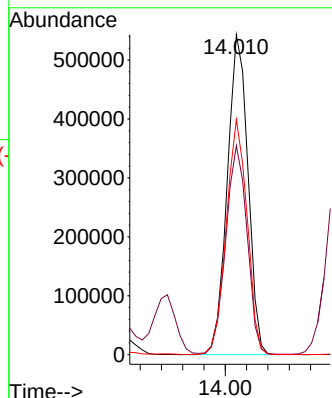
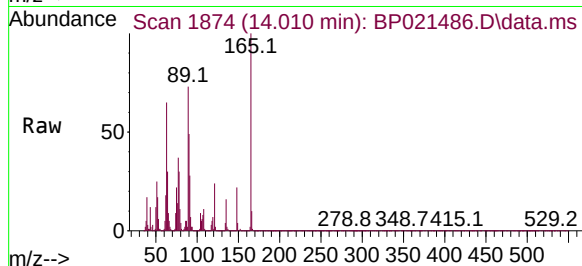
#51  
2,6-Dinitrotoluene  
Concen: 48.330 ng  
RT: 14.010 min Scan# 1876  
Delta R.T. -0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion:165 Resp: 73126  
Ion Ratio Lower Upper  
165 100  
63 65.3 51.5 77.3  
89 73.4 57.8 86.8

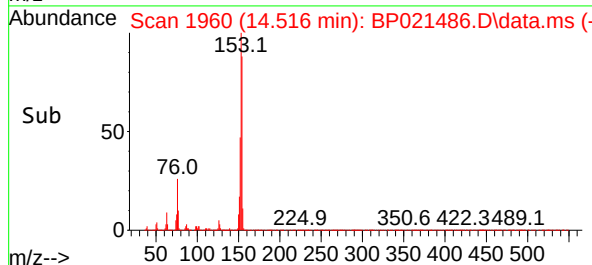
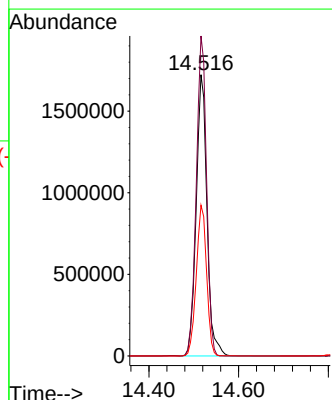
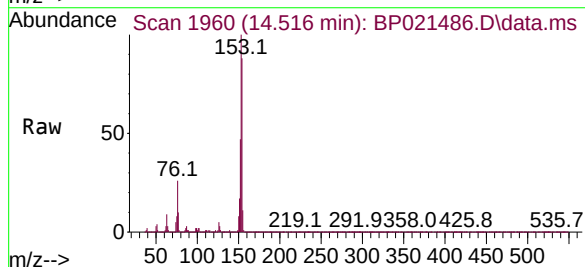
Manual Integrations  
APPROVED

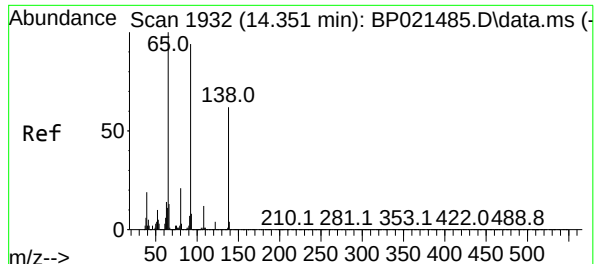
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#52  
Acenaphthene  
Concen: 48.126 ng  
RT: 14.516 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 2861701  
Ion Ratio Lower Upper  
154 100  
153 113.8 91.1 136.7  
152 53.6 43.0 64.4





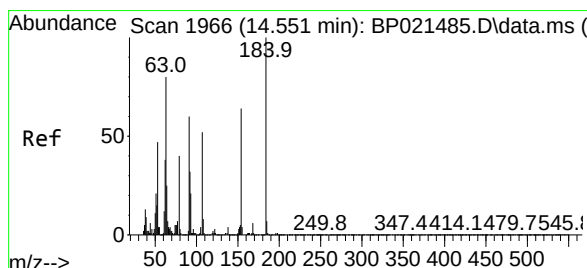
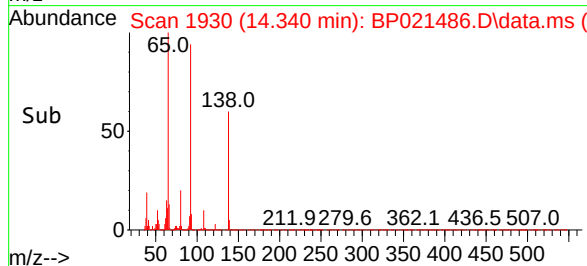
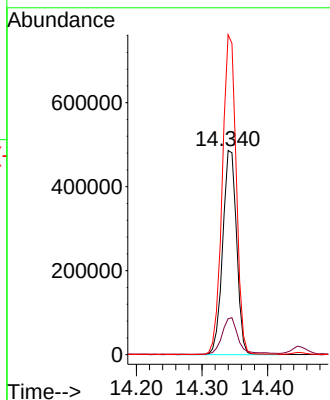
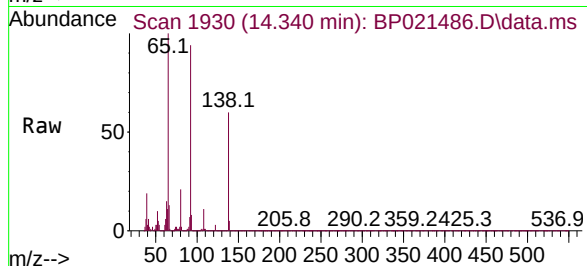
#53  
3-Nitroaniline  
Concen: 47.788 ng  
RT: 14.340 min Scan# 1932  
Delta R.T. -0.011 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion:138 Resp: 71010  
Ion Ratio Lower Upper  
138 100  
108 17.7 16.2 24.4  
92 156.7 122.2 183.4

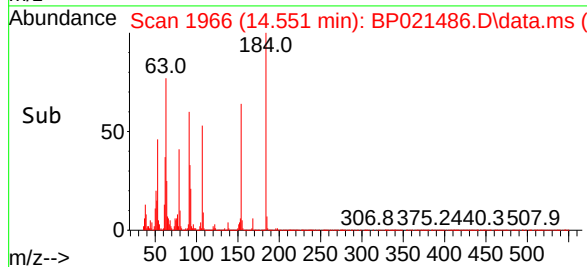
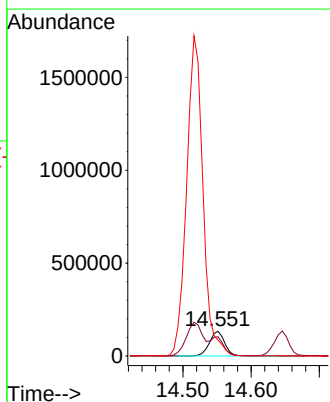
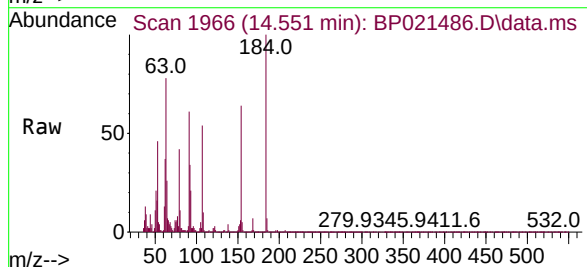
Manual Integrations  
APPROVED

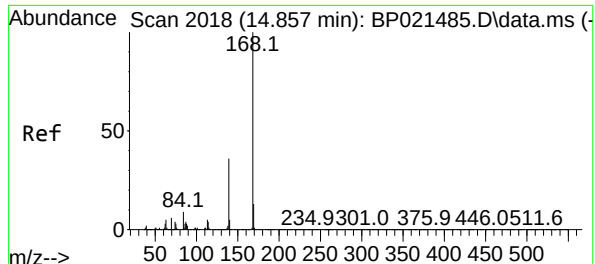
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#54  
2,4-Dinitrophenol  
Concen: 49.369 ng  
RT: 14.551 min Scan# 1966  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 205628  
Ion Ratio Lower Upper  
184 100  
63 77.6 64.9 97.3  
154 64.3 52.1 78.1





#55

Dibenzenofuran

Concen: 47.811 ng

RT: 14.857 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:168 Resp: 437340

Ion Ratio Lower Upper

168 100

139 36.1 28.6 43.0

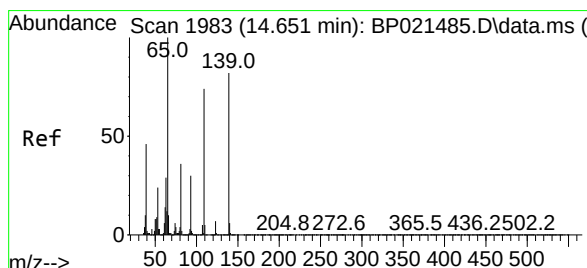
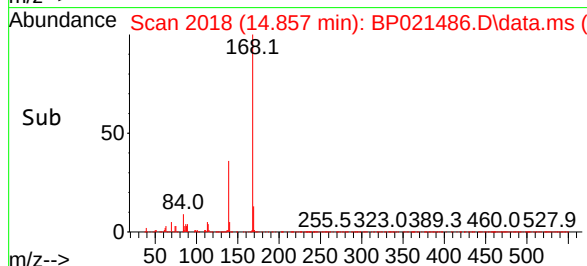
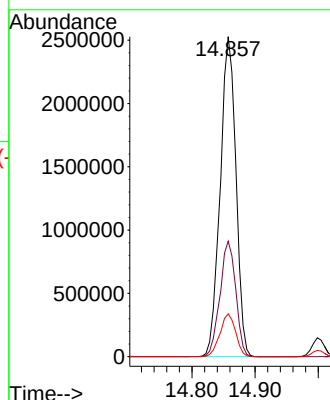
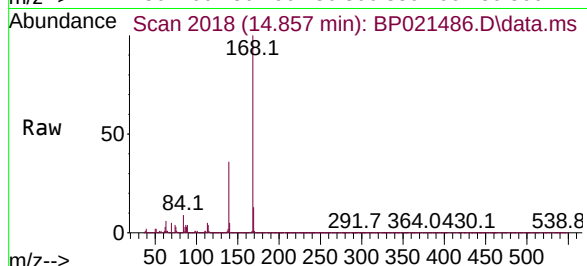
169 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#56

4-Nitrophenol

Concen: 47.429 ng

RT: 14.646 min Scan# 1982

Delta R.T. -0.005 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

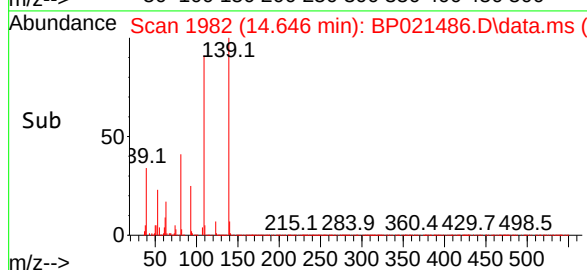
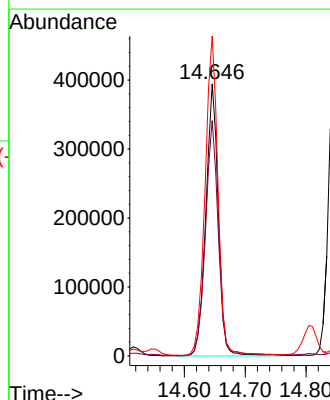
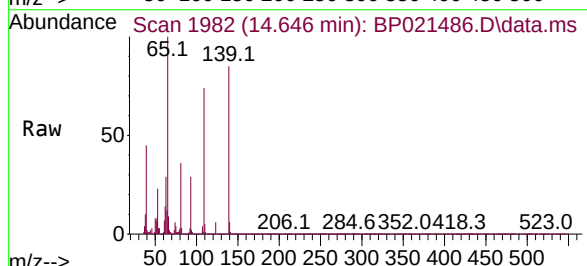
Tgt Ion:139 Resp: 562138

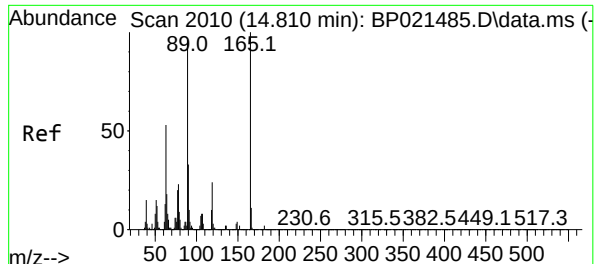
Ion Ratio Lower Upper

139 100

109 86.5 70.2 110.2

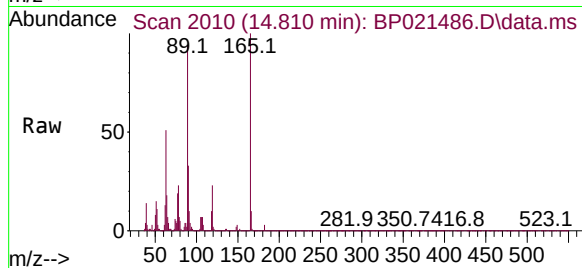
65 117.6 101.8 141.8





#57  
2,4-Dinitrotoluene  
Concen: 47.777 ng  
RT: 14.810 min Scan# 2010  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

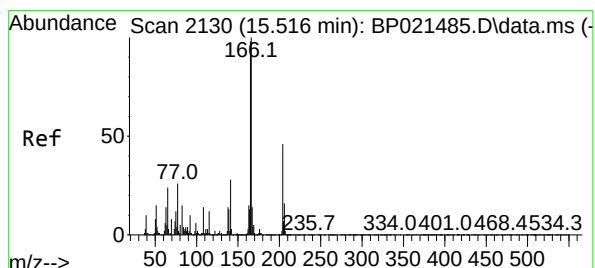
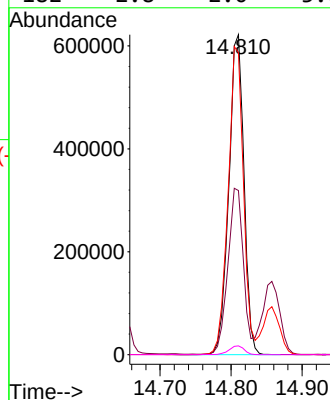
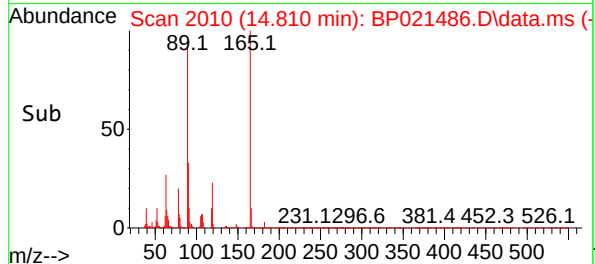
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC050



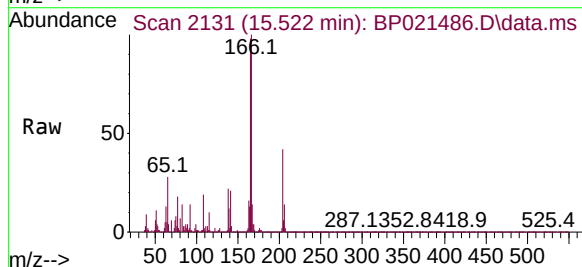
Tgt Ion:165 Resp: 91837  
Ion Ratio Lower Upper  
165 100  
63 51.3 42.5 63.7  
89 94.4 77.1 115.7  
182 2.8 2.0 3.0

Manual Integrations  
APPROVED

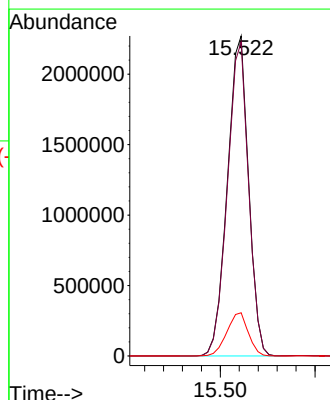
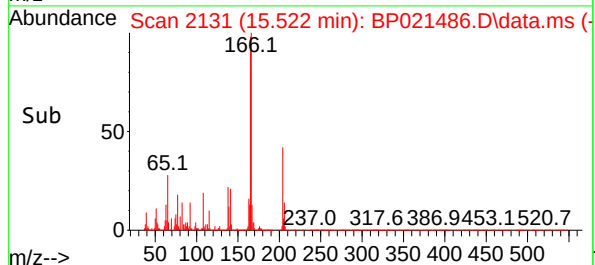
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

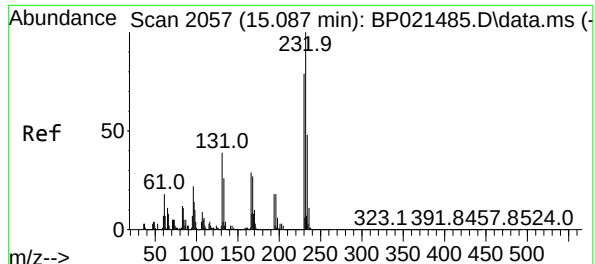


#58  
Fluorene  
Concen: 46.908 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09



Tgt Ion:166 Resp: 3525015  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.1 117.1  
167 13.5 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 51.558 ng

RT: 15.081 min Scan# 2057

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:232 Resp: 88568

Ion Ratio Lower Upper

232 100

131 41.1 33.1 49.7

130 2.3 1.7 2.5

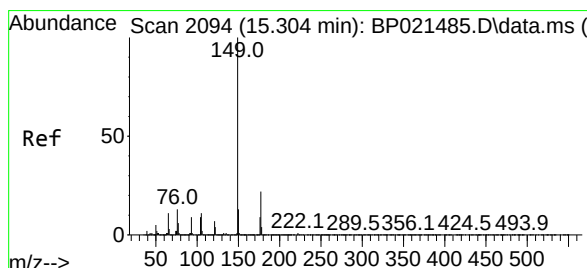
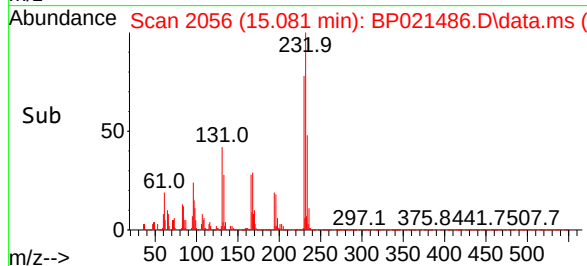
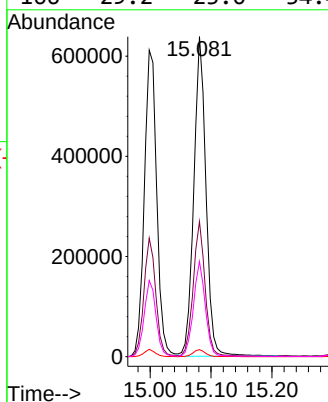
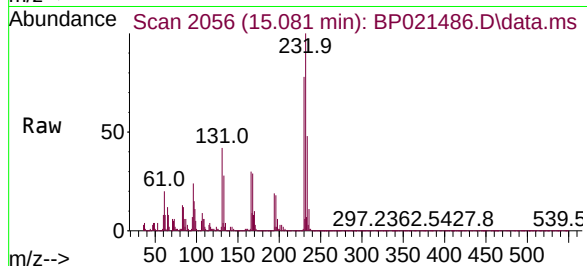
166 29.2 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#60

Diethylphthalate

Concen: 47.945 ng

RT: 15.304 min Scan# 2094

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

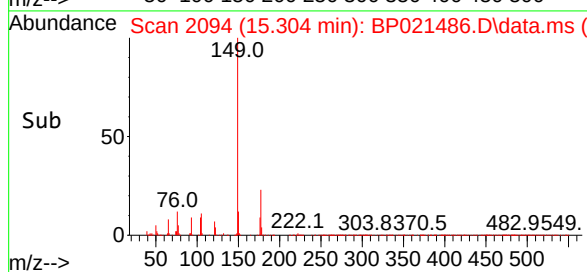
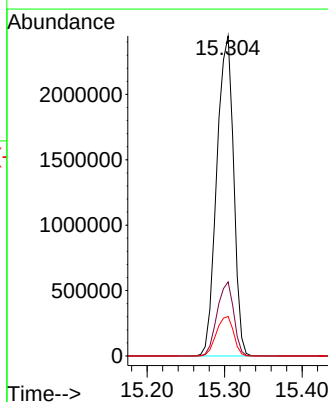
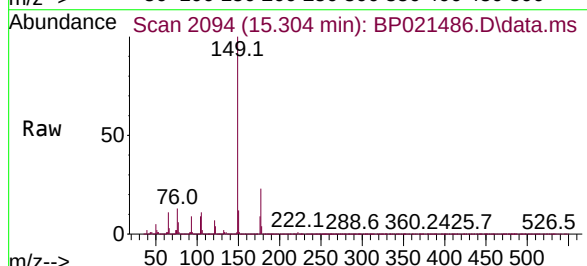
Tgt Ion:149 Resp: 3687157

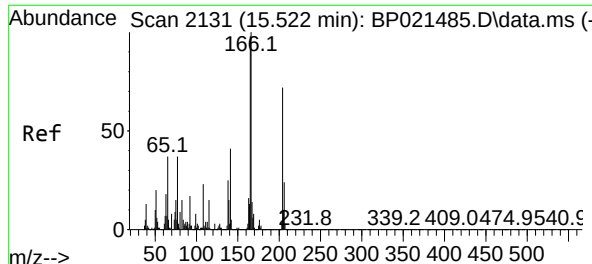
Ion Ratio Lower Upper

149 100

177 23.2 17.8 26.8

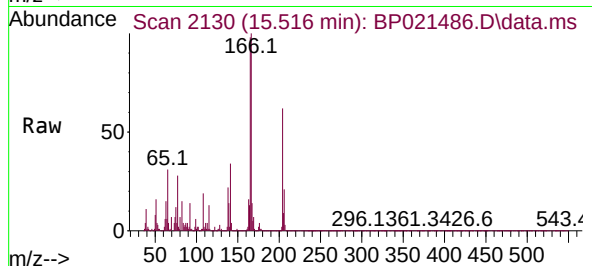
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 47.272 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

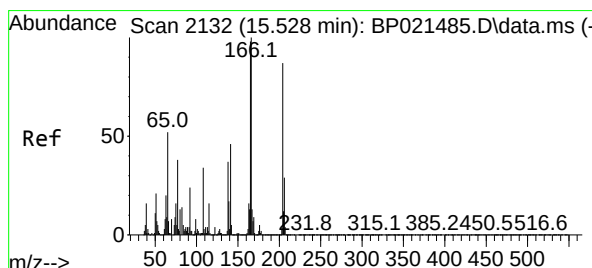
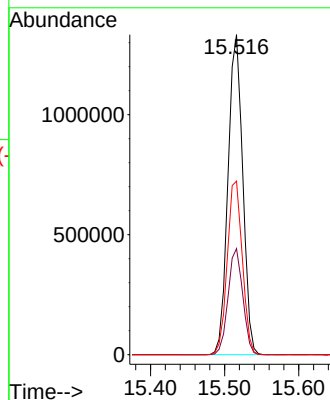
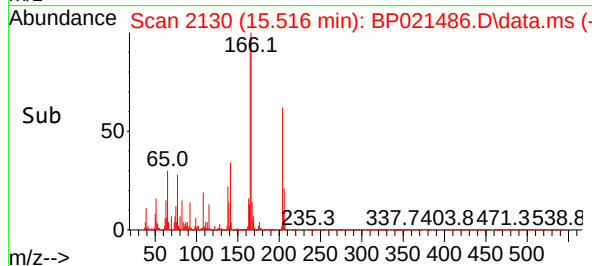
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion: 204 Resp: 183623  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.4 39.6  
141 54.3 46.1 69.1

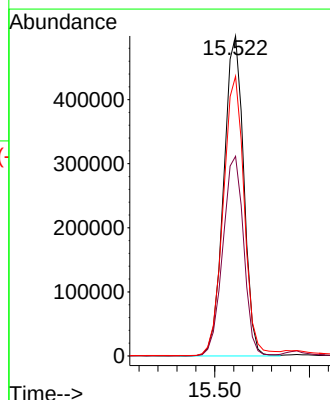
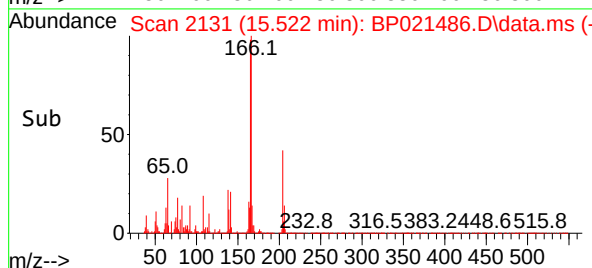
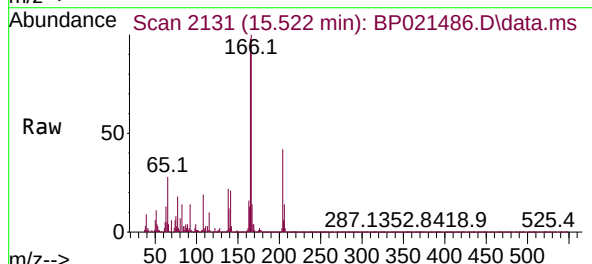
Manual Integrations  
APPROVED

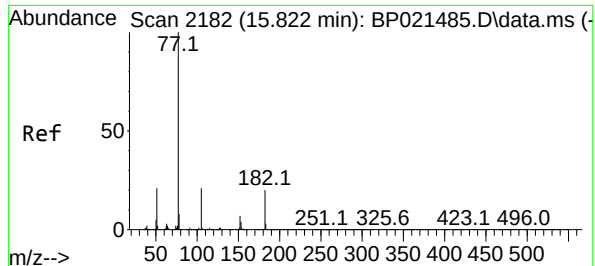
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#62  
4-Nitroaniline  
Concen: 47.987 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

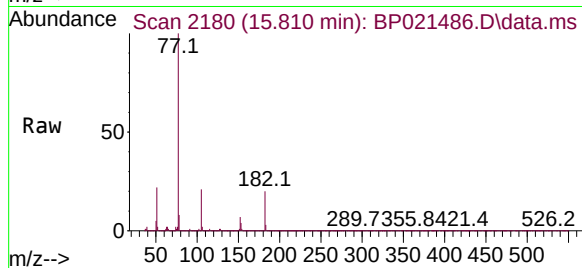
Tgt Ion: 138 Resp: 733231  
Ion Ratio Lower Upper  
138 100  
92 62.4 46.4 86.4  
108 87.4 73.2 113.2





#63  
Azobenzene  
Concen: 46.014 ng  
RT: 15.810 min Scan# 2180  
Delta R.T. -0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

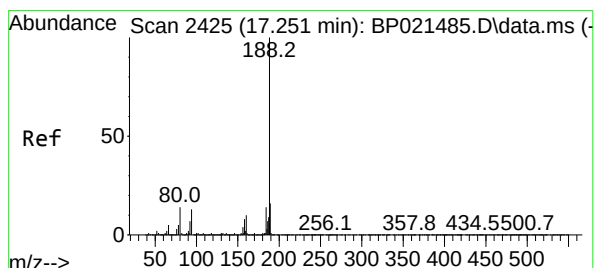
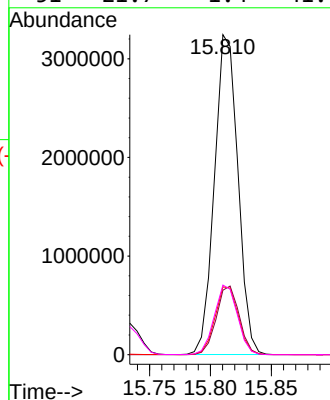
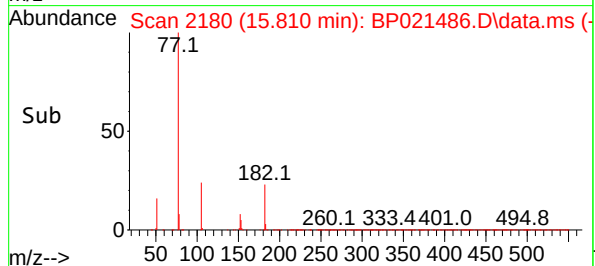
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC050



Tgt Ion: 77 Resp: 4349860  
Ion Ratio Lower Upper  
77 100  
182 20.1 0.0 39.9  
105 21.2 0.9 40.9  
51 21.7 1.4 41.4

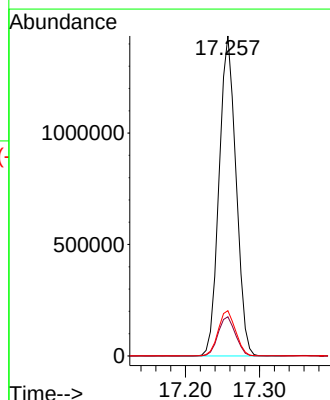
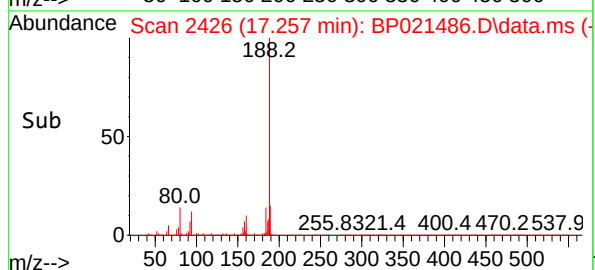
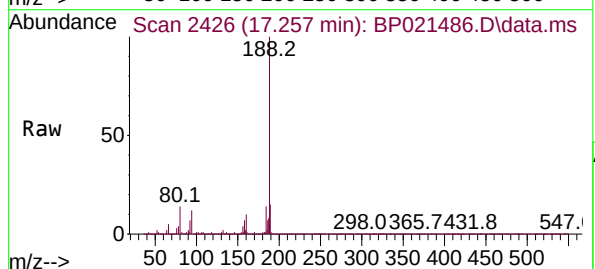
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

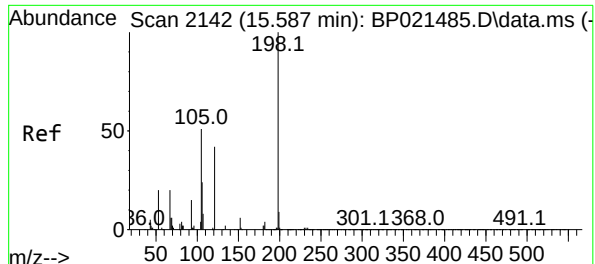


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:188 Resp: 2278560  
Ion Ratio Lower Upper  
188 100  
94 12.2 10.2 15.4  
80 14.1 11.6 17.4







#65

4,6-Dinitro-2-methylphenol

Concen: 49.749 ng

RT: 15.587 min Scan# 2142

Delta R.T. -0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:198 Resp: 342052

Ion Ratio Lower Upper

198 100

51 41.7 21.5 61.5

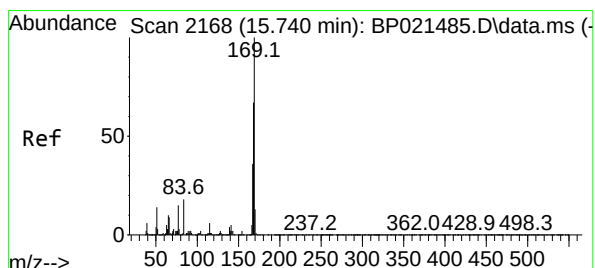
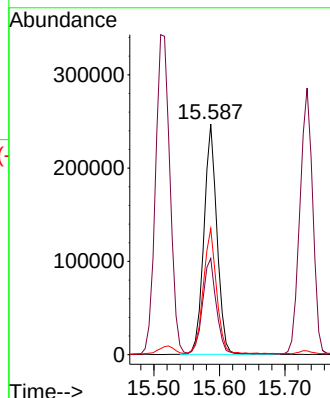
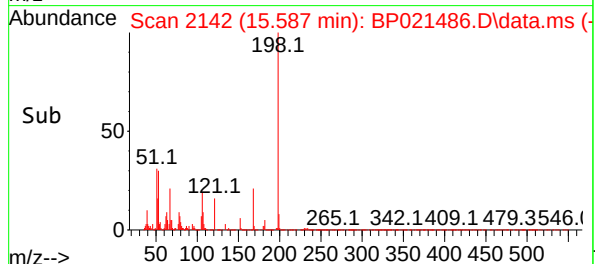
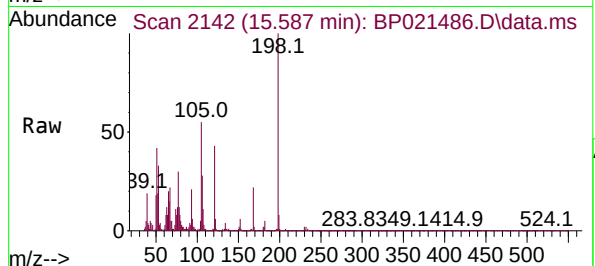
105 54.7 32.9 72.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#66

n-Nitrosodiphenylamine

Concen: 48.807 ng

RT: 15.734 min Scan# 2167

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

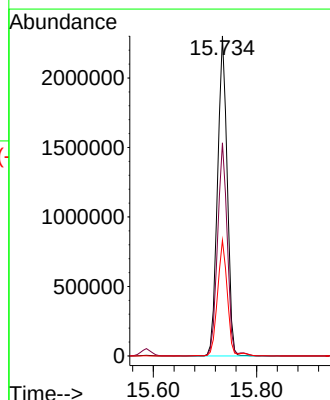
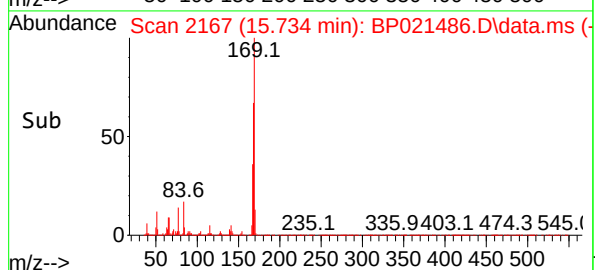
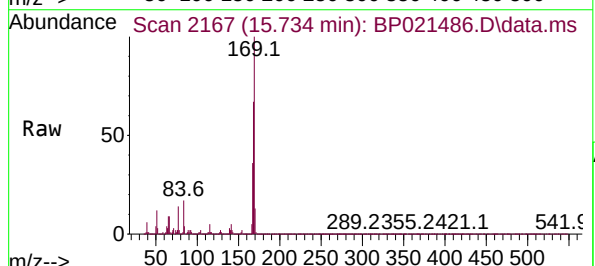
Tgt Ion:169 Resp: 2980276

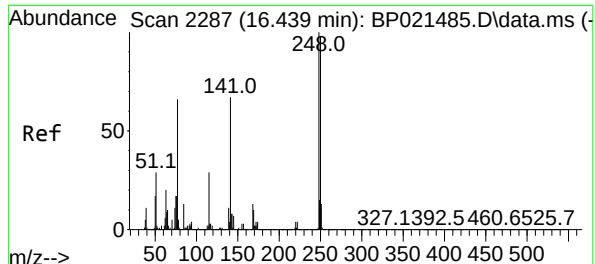
Ion Ratio Lower Upper

169 100

168 66.6 53.4 80.2

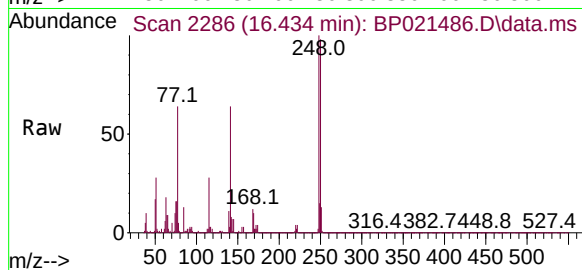
167 36.1 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 49.707 ng  
RT: 16.434 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

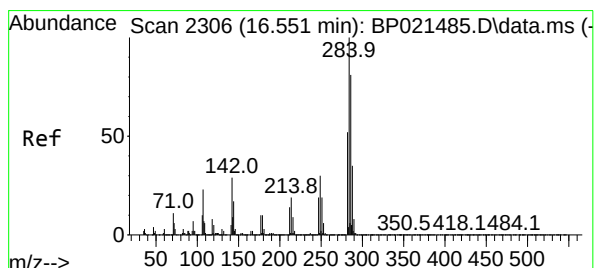
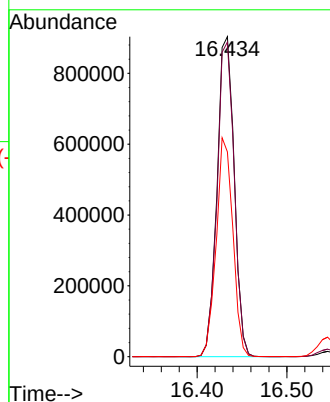
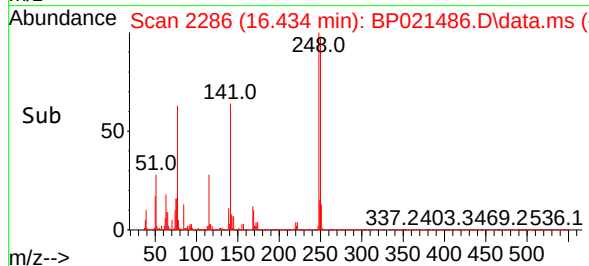
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:248 Resp: 119868  
Ion Ratio Lower Upper  
248 100  
250 98.3 78.6 117.8  
141 64.0 53.9 80.9

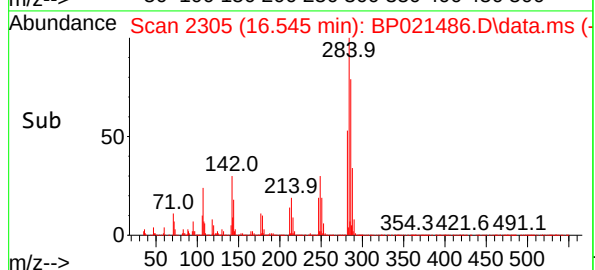
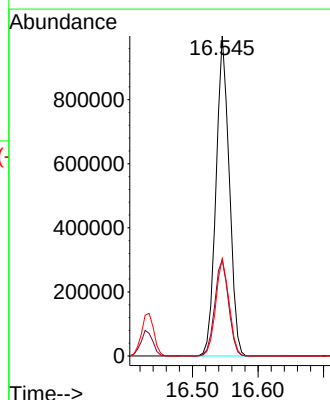
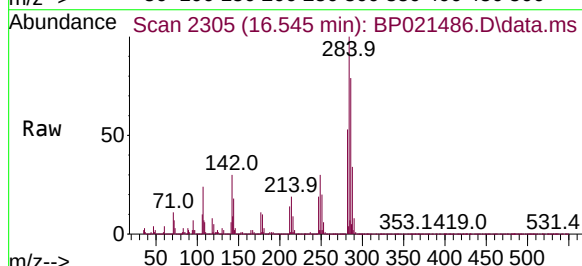
Manual Integrations  
APPROVED

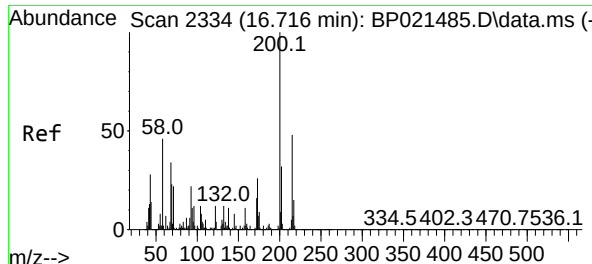
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#68  
Hexachlorobenzene  
Concen: 48.961 ng  
RT: 16.545 min Scan# 2305  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

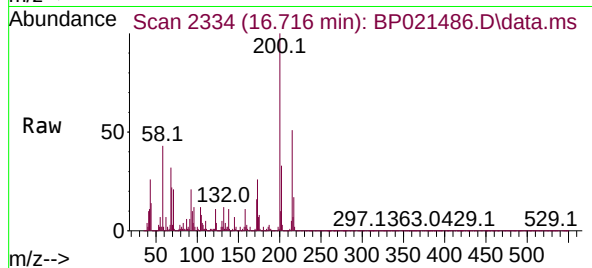
Tgt Ion:284 Resp: 1395323  
Ion Ratio Lower Upper  
284 100  
142 30.0 23.4 35.2  
249 30.4 24.1 36.1





#69  
Atrazine  
Concen: 48.608 ng  
RT: 16.716 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

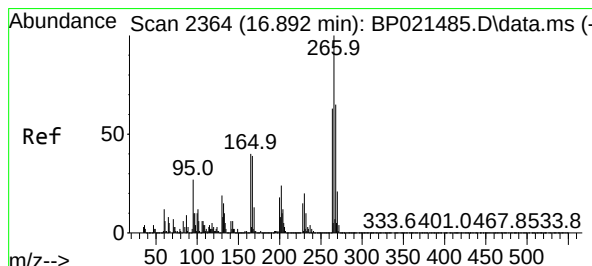
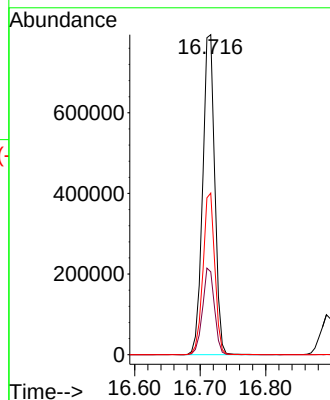
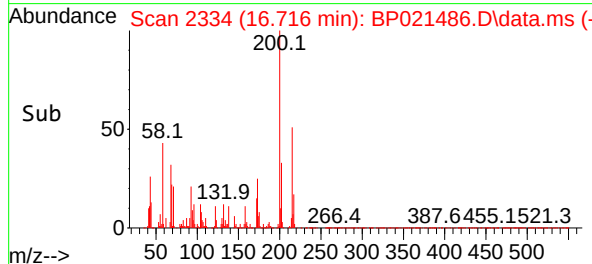
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:200 Resp: 101905  
Ion Ratio Lower Upper  
200 100  
173 25.9 6.2 46.2  
215 50.5 28.4 68.4

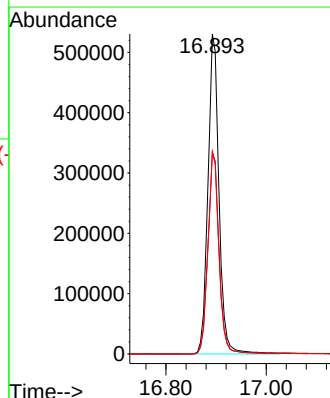
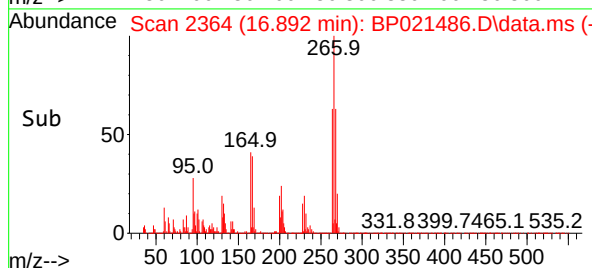
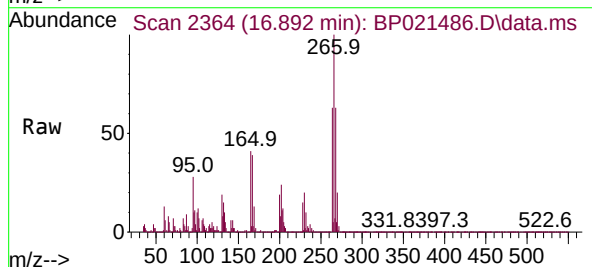
Manual Integrations  
APPROVED

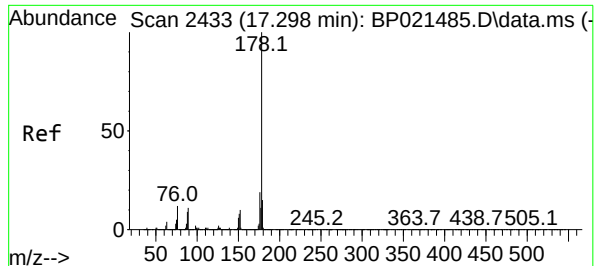
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#70  
Pentachlorophenol  
Concen: 52.206 ng  
RT: 16.892 min Scan# 2364  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:266 Resp: 812046  
Ion Ratio Lower Upper  
266 100  
268 63.1 51.8 77.6  
264 63.1 50.5 75.7





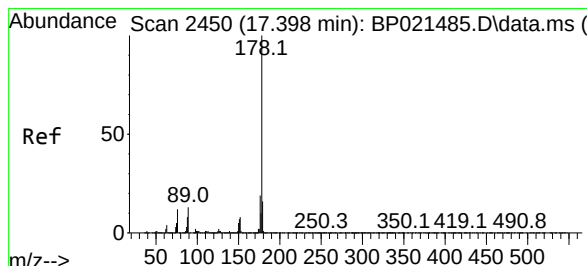
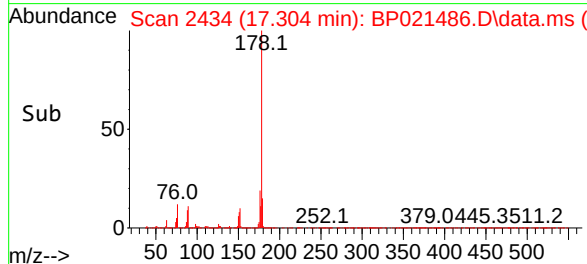
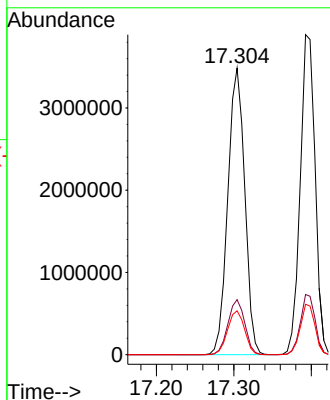
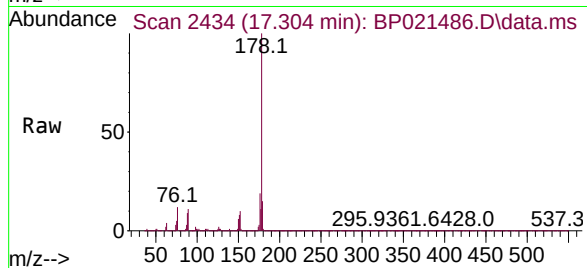
#71  
Phenanthrene  
Concen: 48.447 ng  
RT: 17.304 min Scan# 2433  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion:178 Resp: 5308898  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.2  
179 15.3 12.4 18.6

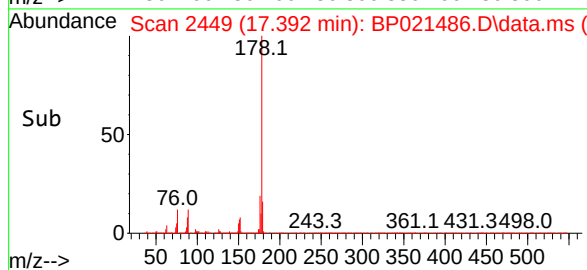
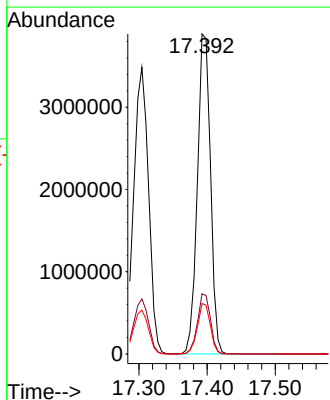
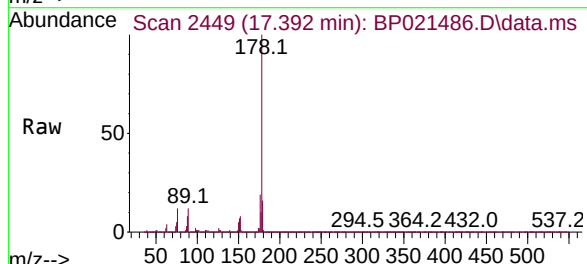
Manual Integrations  
APPROVED

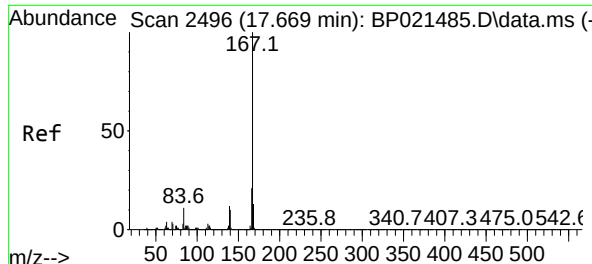
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 48.503 ng  
RT: 17.392 min Scan# 2449  
Delta R.T. -0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

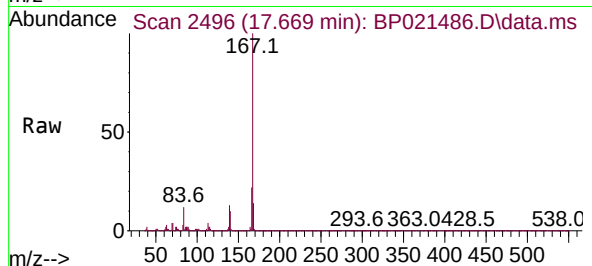
Tgt Ion:178 Resp: 5212543  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.9 22.3  
179 15.8 12.5 18.7





#73  
Carbazole  
Concen: 48.027 ng  
RT: 17.669 min Scan# 2496  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

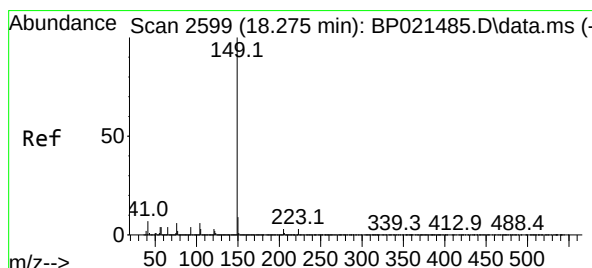
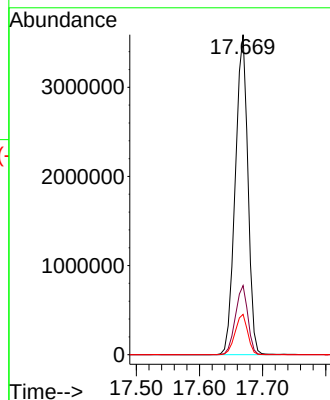
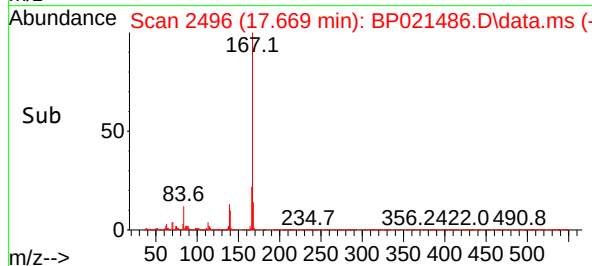
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:167 Resp: 497416  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.0 25.4  
139 12.6 9.9 14.9

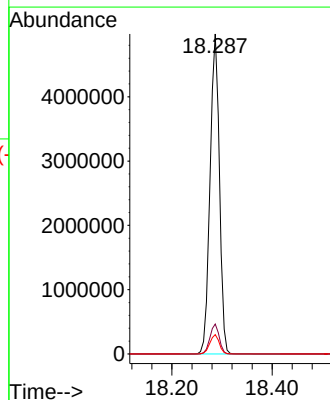
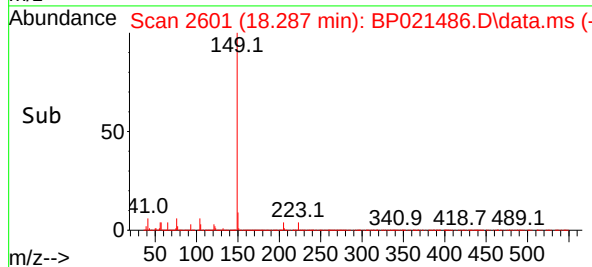
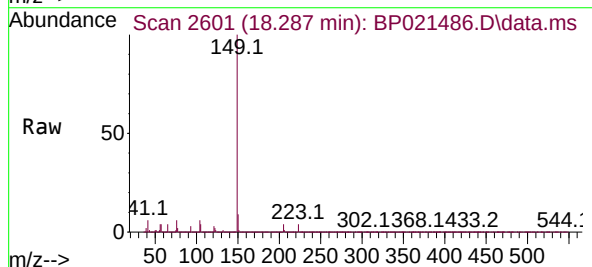
Manual Integrations  
APPROVED

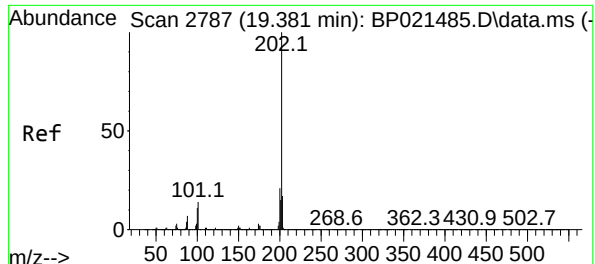
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 50.745 ng  
RT: 18.287 min Scan# 2601  
Delta R.T. 0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

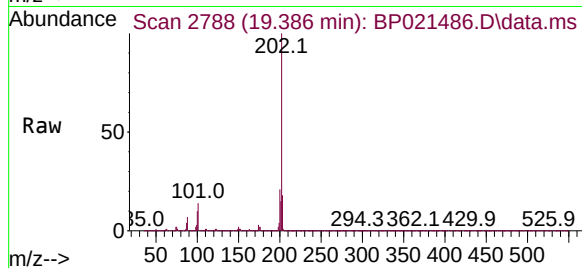
Tgt Ion:149 Resp: 6454560  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 6.0 4.9 7.3





#75  
Fluoranthene  
Concen: 48.166 ng  
RT: 19.386 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

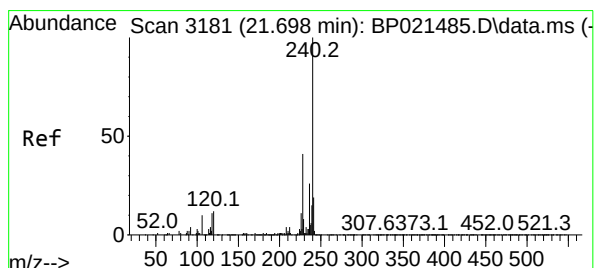
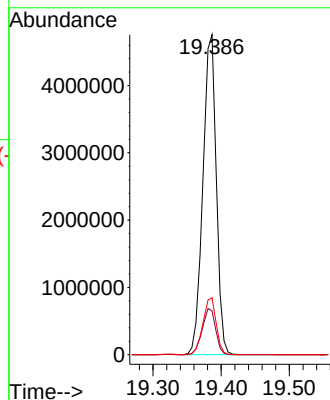
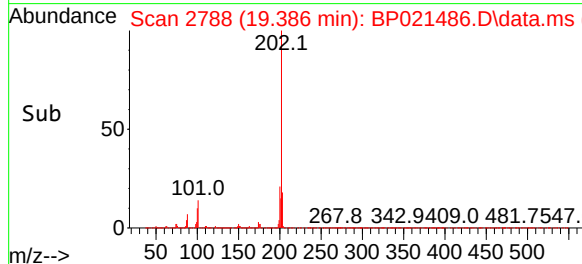
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:202 Resp: 6476130  
Ion Ratio Lower Upper  
202 100  
101 13.7 0.0 34.0  
203 17.8 0.0 37.5

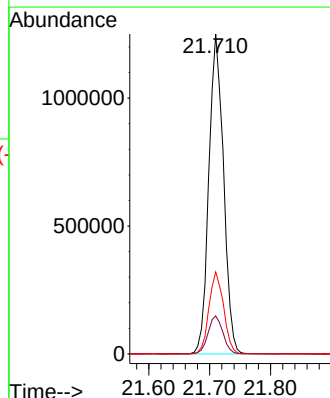
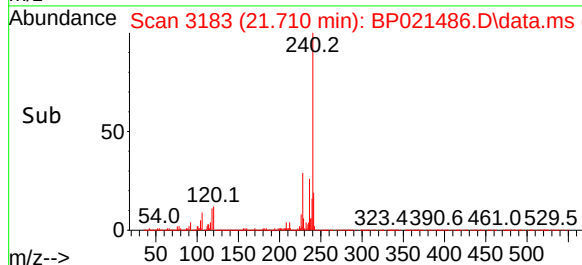
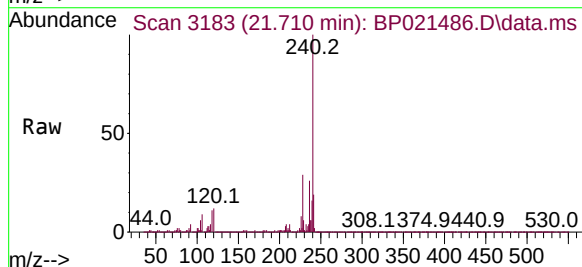
Manual Integrations  
APPROVED

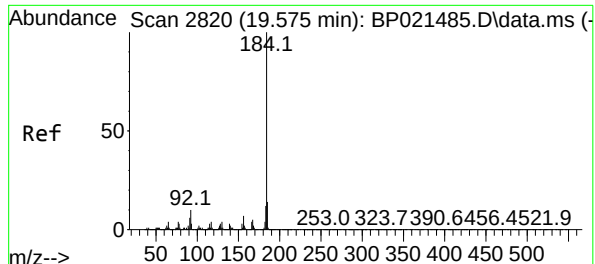
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.710 min Scan# 3183  
Delta R.T. 0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

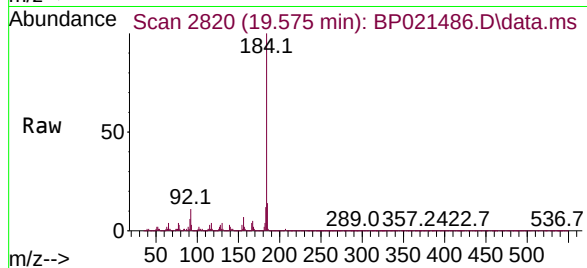
Tgt Ion:240 Resp: 2093381  
Ion Ratio Lower Upper  
240 100  
120 11.9 9.9 14.9  
236 25.7 20.6 30.8





#77  
Benzidine  
Concen: 52.808 ng  
RT: 19.575 min Scan# 2820  
Delta R.T. -0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

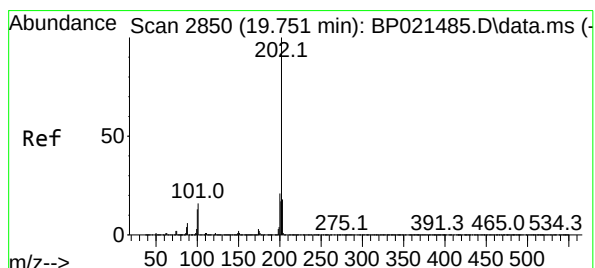
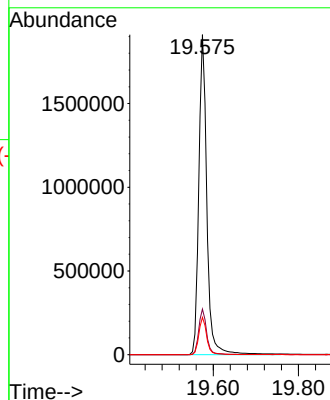
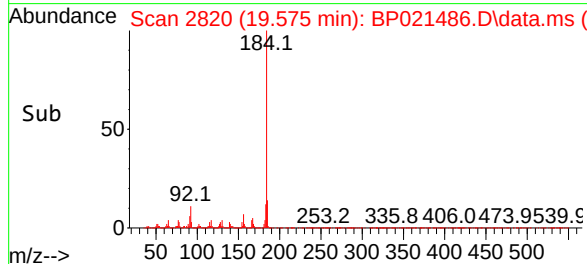
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:184 Resp: 249365  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.0  
183 11.6 9.3 13.9

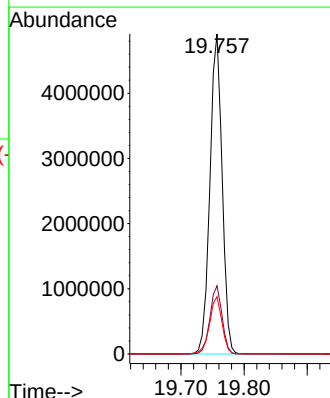
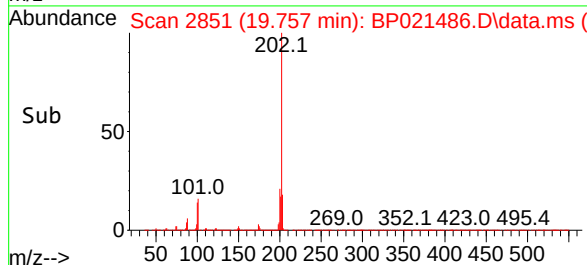
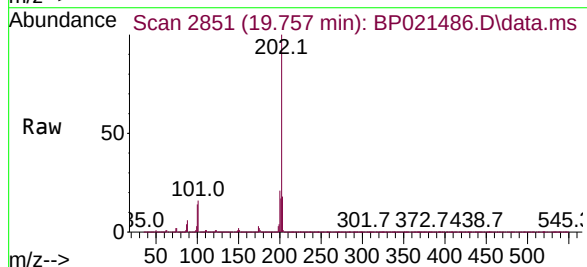
Manual Integrations  
APPROVED

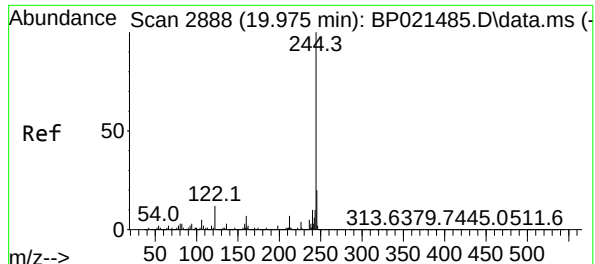
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#78  
Pyrene  
Concen: 48.263 ng  
RT: 19.757 min Scan# 2851  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 6603640  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.7 25.1  
203 17.9 14.1 21.1





#79  
Terphenyl-d14  
Concen: 94.554 ng  
RT: 19.981 min Scan# 2889  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

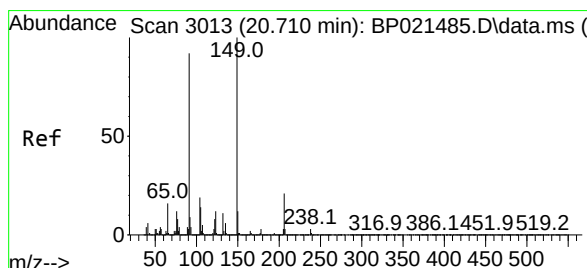
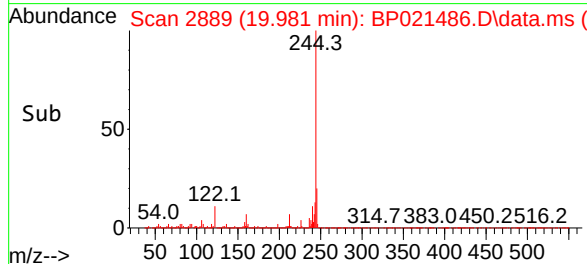
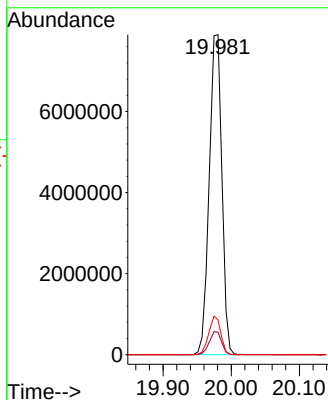
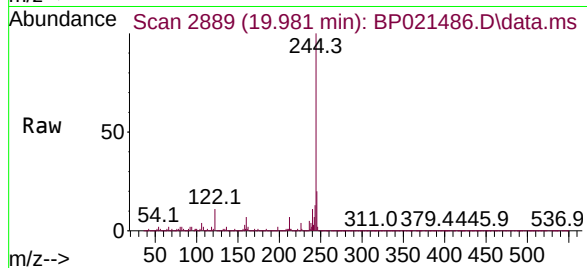
ClientSampleId :

SSTDICC050

Tgt Ion:244 Resp:1018862  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 10.8 9.4 14.2

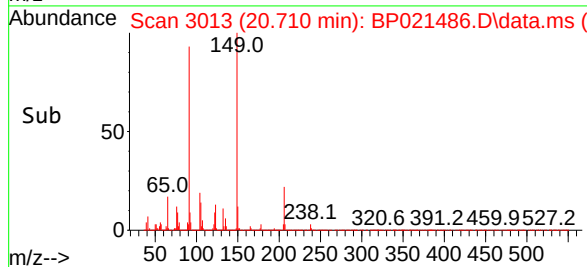
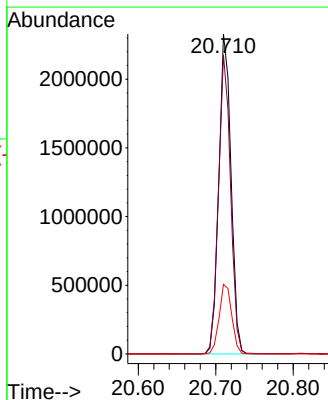
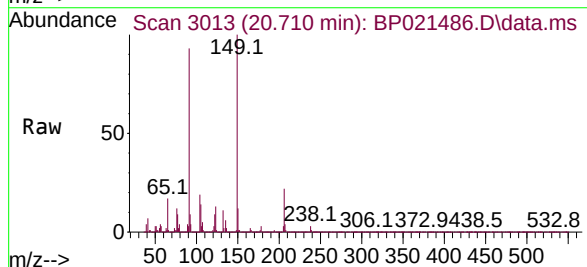
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

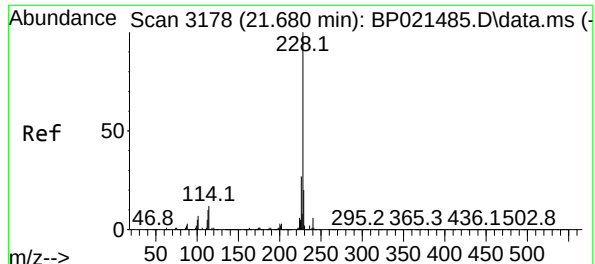


#80  
Butylbenzylphthalate  
Concen: 49.198 ng  
RT: 20.710 min Scan# 3013  
Delta R.T. -0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 2559896  
Ion Ratio Lower Upper  
149 100  
91 93.4 73.3 109.9  
206 21.8 17.1 25.7







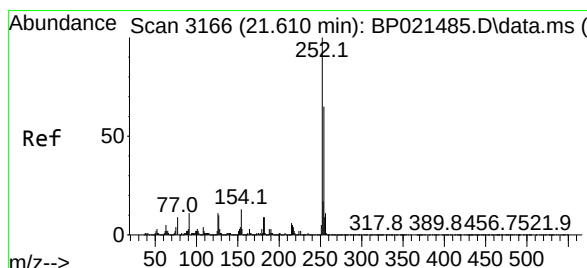
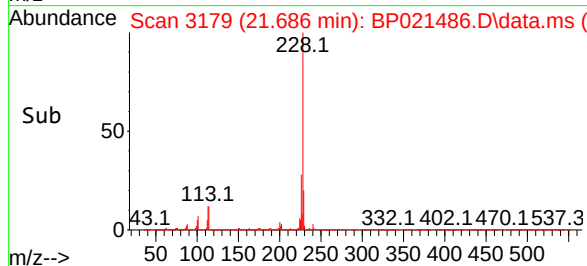
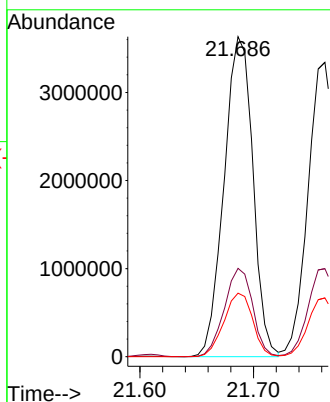
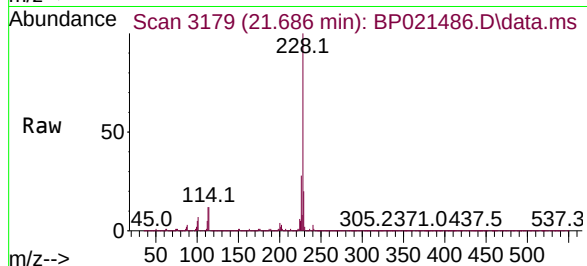
#81  
Benzo(a)anthracene  
Concen: 48.741 ng  
RT: 21.686 min Scan# 3179  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion:228 Resp: 640529  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.4 32.2  
229 19.8 15.8 23.6

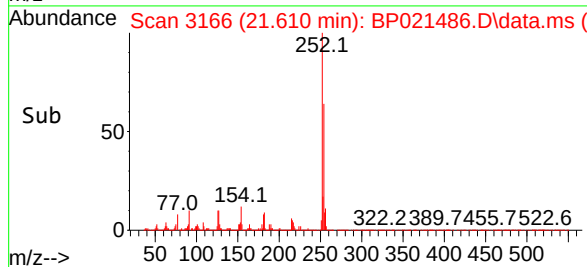
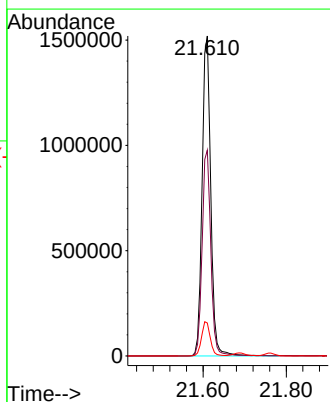
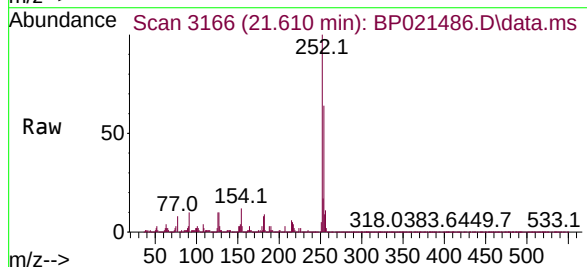
Manual Integrations  
APPROVED

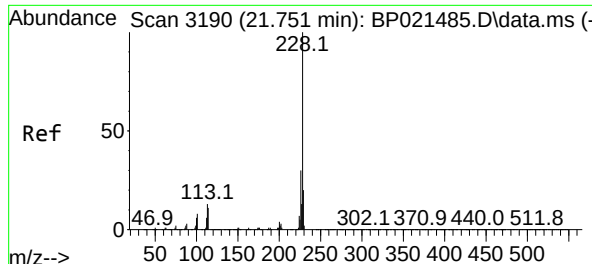
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 52.013 ng  
RT: 21.610 min Scan# 3166  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

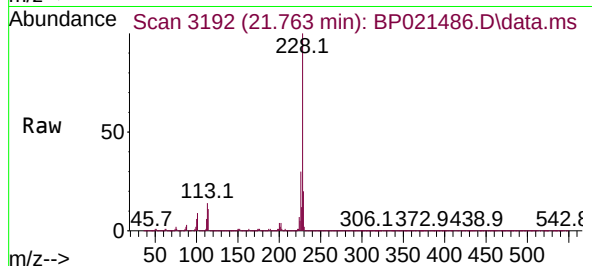
Tgt Ion:252 Resp: 2191535  
Ion Ratio Lower Upper  
252 100  
254 64.3 51.7 77.5  
126 10.3 8.7 13.1





#83  
Chrysene  
Concen: 48.555 ng  
RT: 21.763 min Scan# 3190  
Delta R.T. 0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

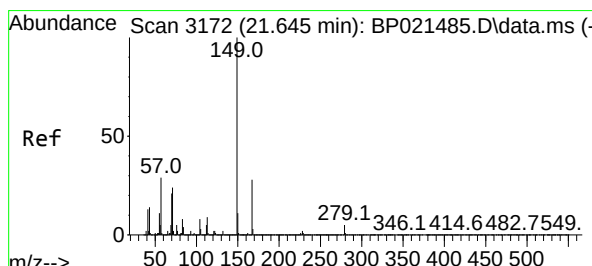
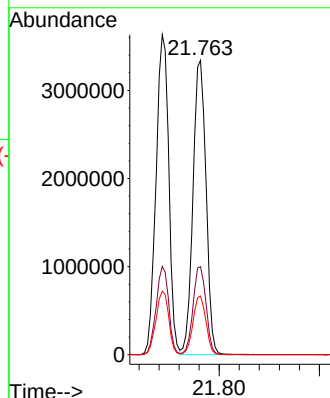
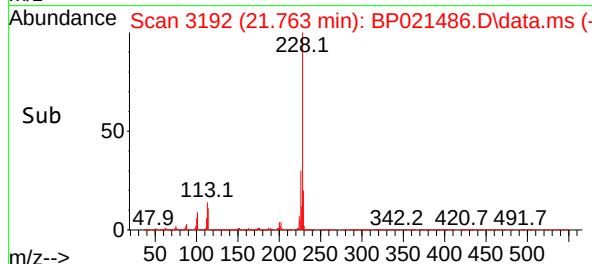
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:228 Resp: 602446  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.9 35.9  
229 19.9 15.8 23.6

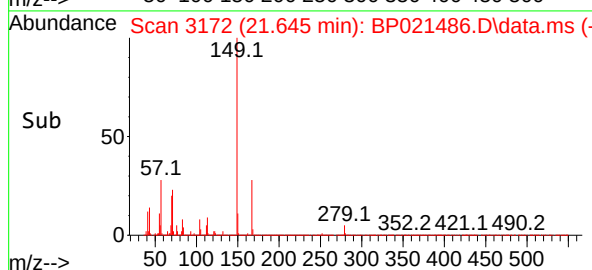
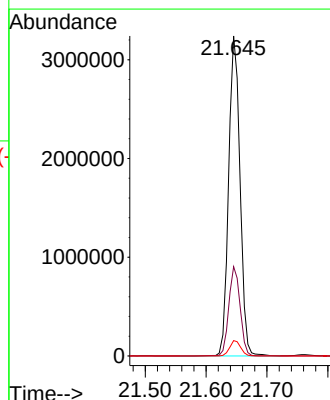
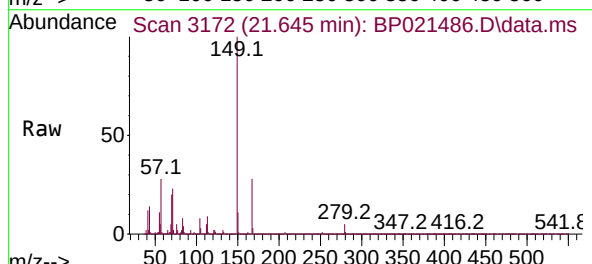
Manual Integrations  
APPROVED

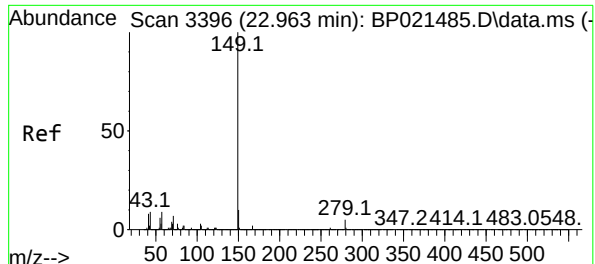
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 54.143 ng  
RT: 21.645 min Scan# 3172  
Delta R.T. 0.000 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

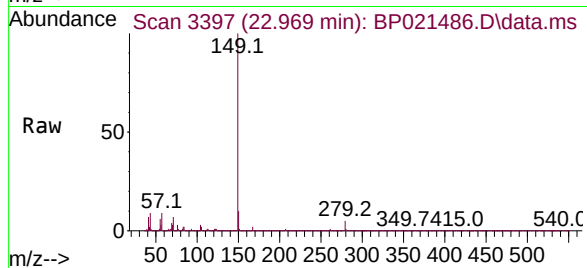
Tgt Ion:149 Resp: 4205342  
Ion Ratio Lower Upper  
149 100  
167 27.9 22.3 33.5  
279 4.8 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 49.144 ng  
RT: 22.969 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

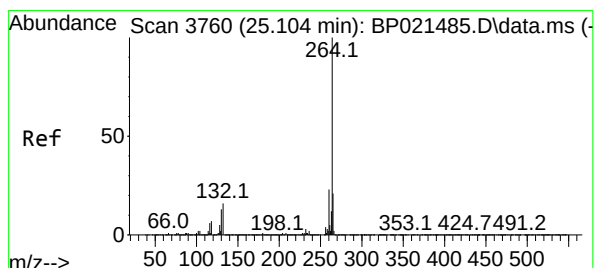
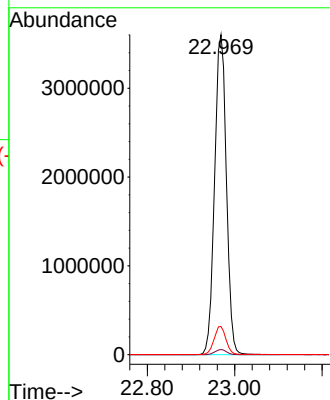
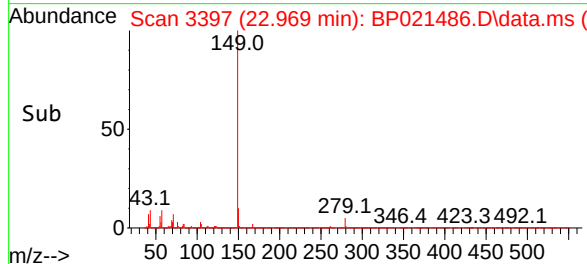
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion:149 Resp: 672254  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.9 7.3 10.9

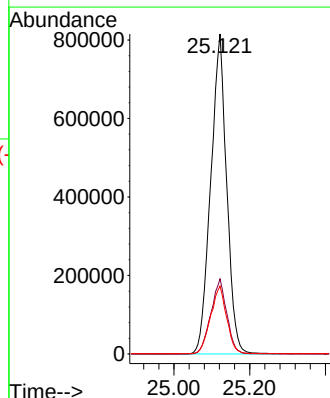
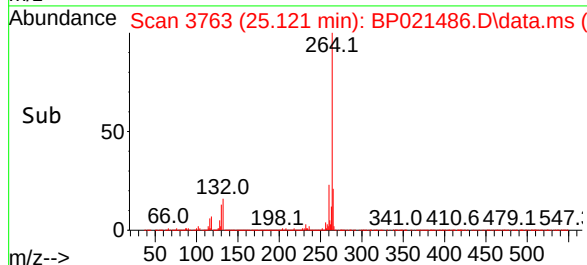
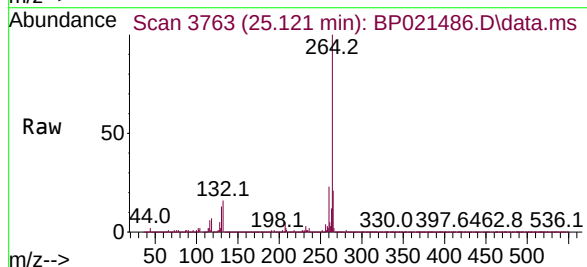
Manual Integrations  
APPROVED

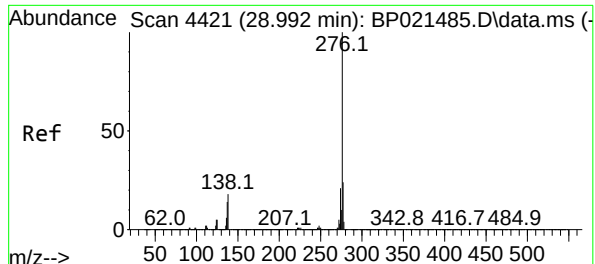
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.121 min Scan# 3763  
Delta R.T. 0.018 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

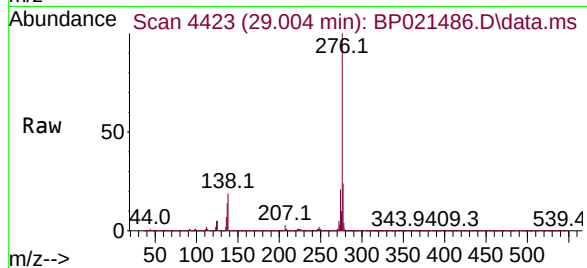
Tgt Ion:264 Resp: 2377136  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.6 28.0  
265 21.2 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 50.025 ng m  
RT: 29.004 min Scan# 4421  
Delta R.T. 0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

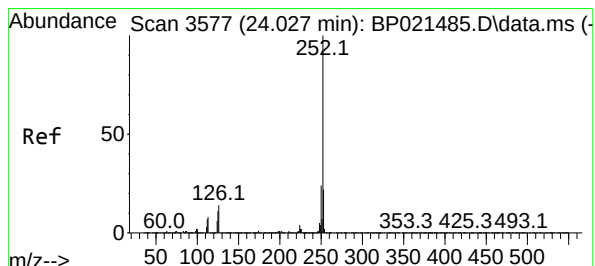
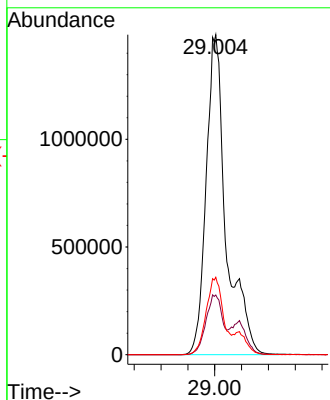
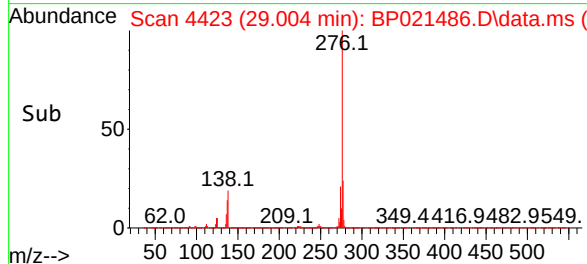
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050



Tgt Ion: 276 Resp: 770746  
Ion Ratio Lower Upper  
276 100  
138 15.5 12.8 19.2  
277 20.6 16.5 24.7

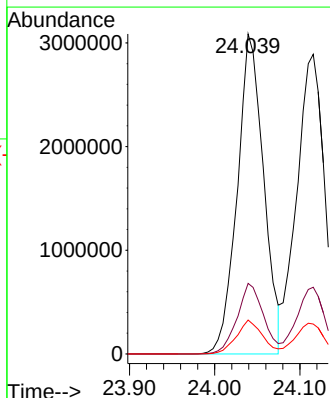
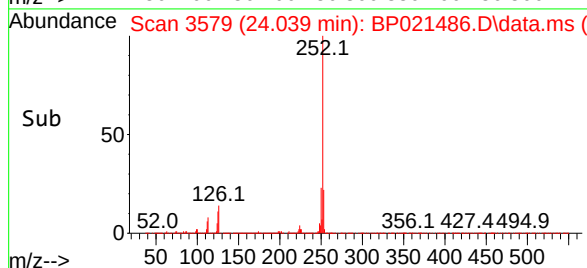
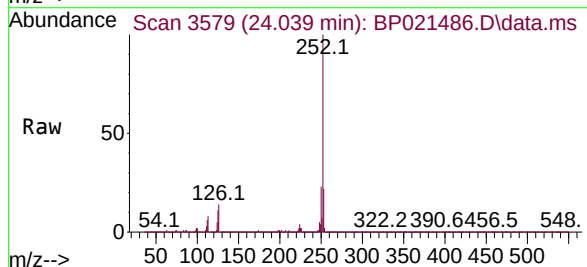
Manual Integrations  
APPROVED

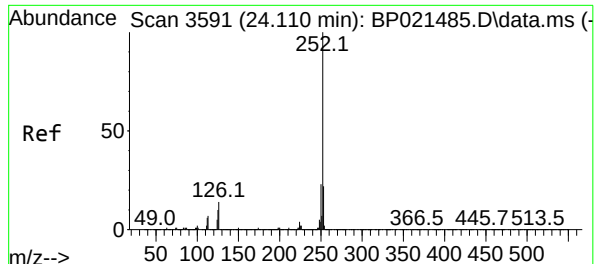
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#88  
Benzo(b)fluoranthene  
Concen: 48.689 ng  
RT: 24.039 min Scan# 3579  
Delta R.T. 0.012 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion: 252 Resp: 6647186  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.6 26.4  
125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 49.204 ng

RT: 24.116 min Scan# 3591

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA\_P

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 655298

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

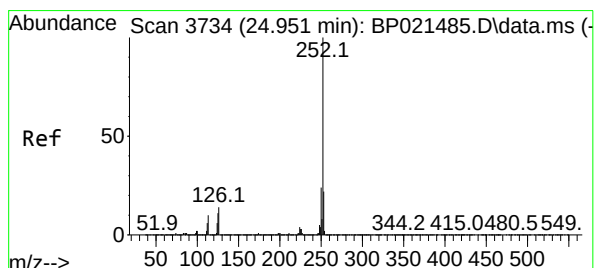
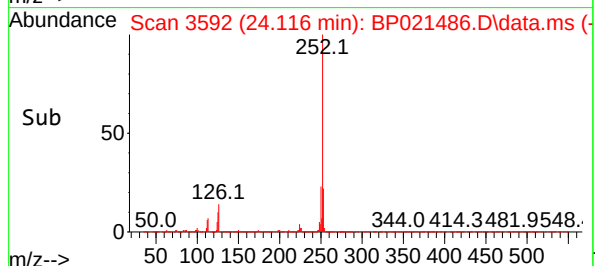
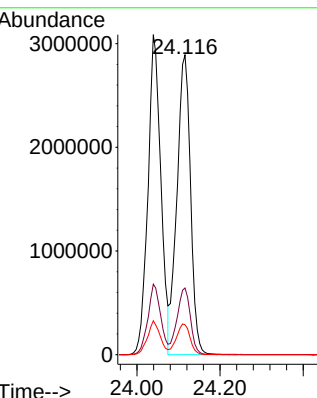
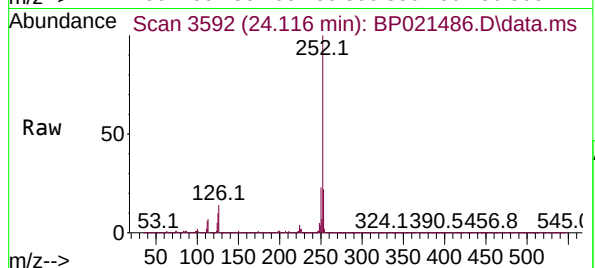
125 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 49.959 ng

RT: 24.957 min Scan# 3735

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

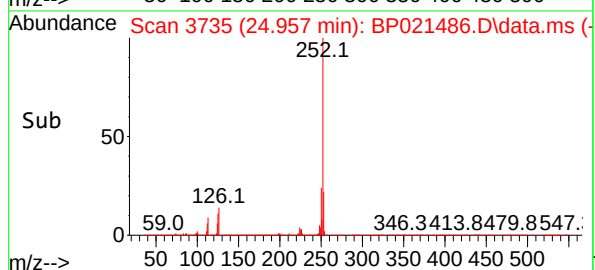
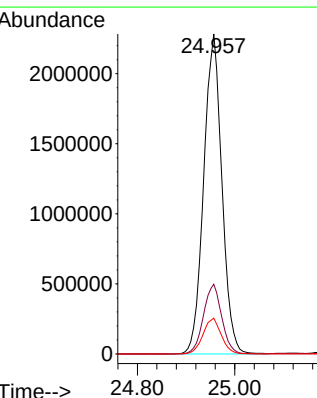
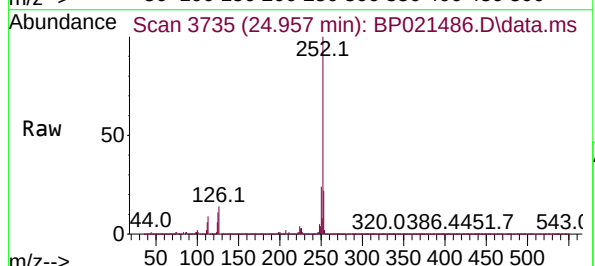
Tgt Ion:252 Resp: 5918922

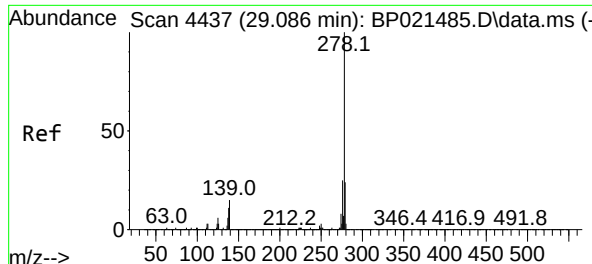
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 11.2 8.7 13.1





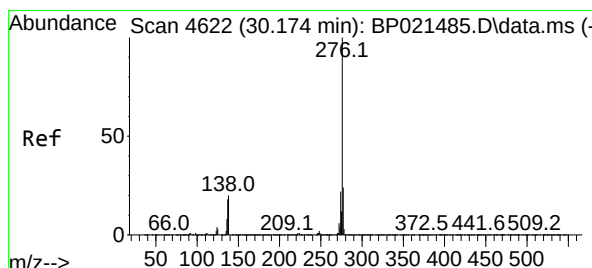
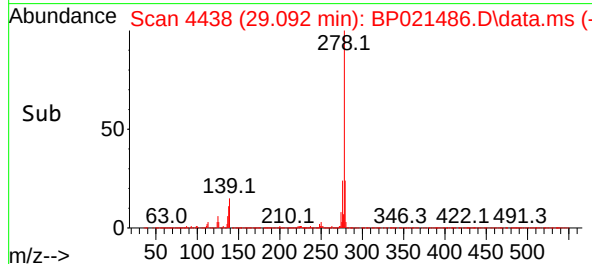
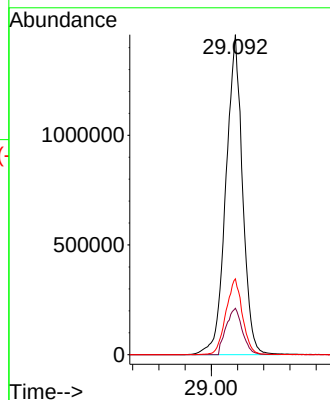
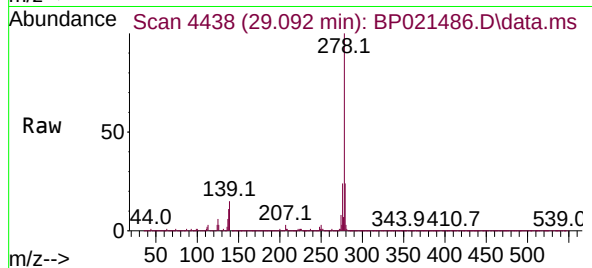
#91  
Dibenzo(a,h)anthracene  
Concen: 50.151 ng  
RT: 29.092 min Scan# 4437  
Delta R.T. 0.006 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC050

Tgt Ion: 278 Resp: 6420890  
Ion Ratio Lower Upper  
278 100  
139 14.5 12.2 18.4  
279 23.7 19.1 28.7

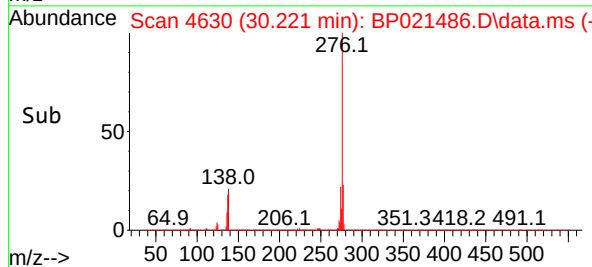
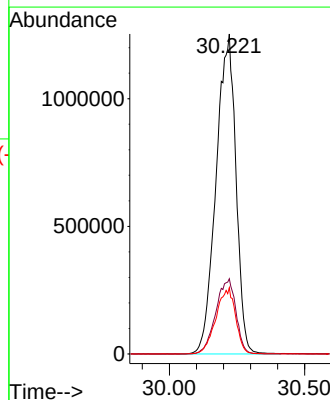
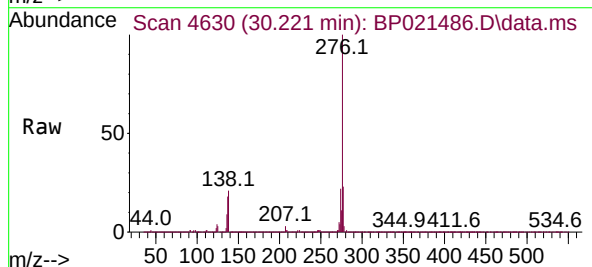
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#92  
Benzo(g,h,i)perylene  
Concen: 49.748 ng  
RT: 30.221 min Scan# 4630  
Delta R.T. 0.047 min  
Lab File: BP021486.D  
Acq: 13 Aug 2024 16:09

Tgt Ion: 276 Resp: 6383870  
Ion Ratio Lower Upper  
276 100  
277 23.5 19.0 28.6  
138 20.7 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021487.D  
 Acq On : 13 Aug 2024 16:53  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC060

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|---------|-------|-----------|
| Internal Standards            |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 382208   | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8            | 10.599 | 136  | 1539217  | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10          | 14.457 | 164  | 953193   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10          | 17.257 | 188  | 1991489  | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12              | 21.710 | 240  | 1907005  | 20.000  | ng    | 0.01      |
| 86) Perylene-d12              | 25.121 | 264  | 2191159  | 20.000  | ng    | 0.02      |
| System Monitoring Compounds   |        |      |          |         |       |           |
| 5) 2-Fluorophenol             | 5.393  | 112  | 3212821  | 124.817 | ng    | 0.00      |
| 7) Phenol-d6                  | 6.963  | 99   | 4582988  | 122.053 | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 8.957  | 82   | 4024825  | 134.966 | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 15.969 | 330  | 1401053  | 132.067 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 13.069 | 172  | 7484438  | 119.833 | ng    | 0.00      |
| 79) Terphenyl-d14             | 19.986 | 244  | 11374626 | 115.877 | ng    | 0.01      |
| Target Compounds              |        |      |          |         |       |           |
| 2) 1,4-Dioxane                | 3.322  | 88   | 739240   | 60.569  | ng    | Qvalue 99 |
| 3) Pyridine                   | 3.705  | 79   | 2102990m | 61.723  | ng    |           |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 625716   | 61.099  | ng    | 99        |
| 6) Aniline                    | 7.134  | 93   | 2239942  | 59.670  | ng    | 100       |
| 8) 2-Chlorophenol             | 7.375  | 128  | 1472845  | 61.917  | ng    | 98        |
| 9) Benzaldehyde               | 6.946  | 77   | 1212390  | 50.428  | ng    | 98        |
| 10) Phenol                    | 6.993  | 94   | 2381743  | 61.254  | ng    | 98        |
| 11) bis(2-Chloroethyl)ether   | 7.234  | 93   | 1938063  | 58.905  | ng    | 99        |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 1682261  | 59.538  | ng    | 100       |
| 13) 1,4-Dichlorobenzene       | 7.846  | 146  | 1709124  | 59.904  | ng    | 99        |
| 14) 1,2-Dichlorobenzene       | 8.157  | 146  | 1624118  | 59.070  | ng    | 100       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 1647924  | 61.166  | ng    | 99        |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 1756837  | 57.982  | ng    | 100       |
| 17) 2-Methylphenol            | 8.234  | 107  | 1477294  | 60.098  | ng    | 99        |
| 18) Hexachloroethane          | 8.893  | 117  | 704431   | 61.570  | ng    | 99        |
| 19) n-Nitroso-di-n-propyla... | 8.610  | 70   | 1457549  | 56.194  | ng    | 99        |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 2028575  | 61.202  | ng    | 99        |
| 22) Acetophenone              | 8.616  | 105  | 2813557  | 59.500  | ng    | # 99      |
| 24) Nitrobenzene              | 8.999  | 77   | 2126322  | 65.650  | ng    | 98        |
| 25) Isophorone                | 9.522  | 82   | 4092218  | 58.086  | ng    | 99        |
| 26) 2-Nitrophenol             | 9.704  | 139  | 554873   | 60.117  | ng    | 99        |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 1074335  | 61.792  | ng    | 97        |
| 28) bis(2-Chloroethoxy)met... | 10.004 | 93   | 2556281  | 59.443  | ng    | 100       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 1331749  | 64.829  | ng    | 98        |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 1609924  | 61.128  | ng    | 98        |
| 31) Naphthalene               | 10.646 | 128  | 4829277  | 60.059  | ng    | 99        |
| 32) Benzoic acid              | 9.904  | 122  | 775935   | 61.192  | ng    | 99        |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1798121  | 59.532  | ng    | 99        |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 1011679  | 61.008  | ng    | 99        |
| 35) Caprolactam               | 11.510 | 113  | 522232   | 61.084  | ng    | 98        |
| 36) 4-Chloro-3-methylphenol   | 11.863 | 107  | 1746318  | 61.283  | ng    | 98        |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 3238044  | 59.003  | ng    | 99        |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 3163697  | 58.451  | ng    | 99        |
| 40) 1,2,4,5-Tetrachloroben... | 12.634 | 216  | 1762492  | 63.107  | ng    | 100       |
| 41) Hexachlorocyclopentadiene | 12.622 | 237  | 610821   | 69.006  | ng    | 99        |
| 43) 2,4,6-Trichlorophenol     | 12.857 | 196  | 1050099  | 67.687  | ng    | 99        |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021487.D  
 Acq On : 13 Aug 2024 16:53  
 Operator : RC/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC060

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.934 | 196  | 1165351  | 67.609 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 4097218  | 60.754 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 3228869  | 61.498 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 940456   | 62.204 | ng    | 99       |
| 49) Acenaphthylene            | 14.175 | 152  | 4669645  | 60.501 | ng    | 100      |
| 50) Dimethylphthalate         | 13.904 | 163  | 3832687  | 60.041 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.016 | 165  | 805457   | 61.336 | ng    | 99       |
| 52) Acenaphthene              | 14.522 | 154  | 3066208  | 60.546 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.345 | 138  | 797905   | 61.781 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.545 | 184  | 242951   | 61.764 | ng    | 95       |
| 55) Dibenzofuran              | 14.857 | 168  | 4594089  | 58.970 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.639 | 139  | 644221   | 62.066 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 1034061  | 61.548 | ng    | # 94     |
| 58) Fluorene                  | 15.522 | 166  | 3759913  | 58.748 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 973647   | 66.550 | ng    | 99       |
| 60) Diethylphthalate          | 15.292 | 149  | 3911032  | 59.713 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.528 | 204  | 1945714  | 58.814 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.534 | 138  | 824354   | 62.407 | ng    | 98       |
| 63) Azobenzene                | 15.822 | 77   | 4711824  | 58.524 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 198  | 410096   | 61.846 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.734 | 169  | 3192615  | 59.821 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.433 | 248  | 1286048  | 61.016 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.551 | 284  | 1505847  | 60.456 | ng    | 100      |
| 69) Atrazine                  | 16.710 | 200  | 1088343  | 59.397 | ng    | 99       |
| 70) Pentachlorophenol         | 16.892 | 266  | 899879   | 66.192 | ng    | 99       |
| 71) Phenanthrene              | 17.292 | 178  | 5685784  | 59.366 | ng    | 100      |
| 72) Anthracene                | 17.392 | 178  | 5636907  | 60.013 | ng    | 100      |
| 73) Carbazole                 | 17.675 | 167  | 5454823  | 60.260 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.269 | 149  | 6834417  | 61.477 | ng    | 100      |
| 75) Fluoranthene              | 19.380 | 202  | 7044903  | 59.949 | ng    | 99       |
| 77) Benzidine                 | 19.569 | 184  | 2334836  | 54.599 | ng    | 100      |
| 78) Pyrene                    | 19.757 | 202  | 7263907  | 58.277 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 2906885  | 60.438 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.692 | 228  | 7119658  | 59.472 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.598 | 252  | 2455338  | 63.969 | ng    | 100      |
| 83) Chrysene                  | 21.757 | 228  | 6762569  | 59.831 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.645 | 149  | 4576797  | 64.685 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.968 | 149  | 7622203  | 59.983 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.998 | 276  | 9100343m | 64.078 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.045 | 252  | 7812709  | 62.083 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.121 | 252  | 7561966  | 61.599 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.974 | 252  | 6839630  | 62.630 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.103 | 278  | 7520005  | 63.721 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.203 | 276  | 7563028  | 63.940 | ng    | 100      |

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

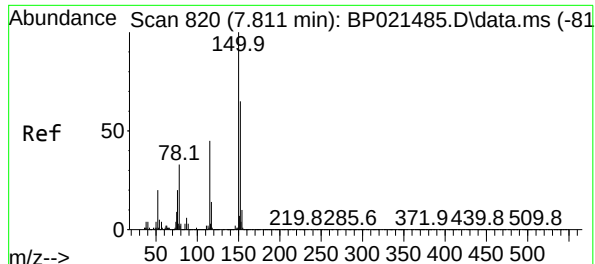


**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICC060

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024





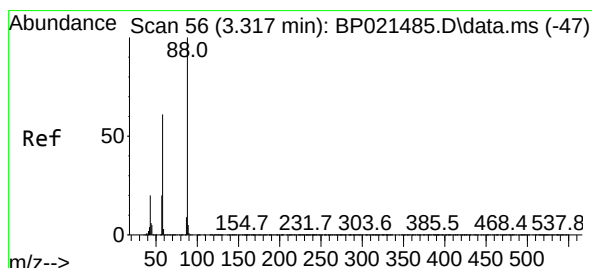
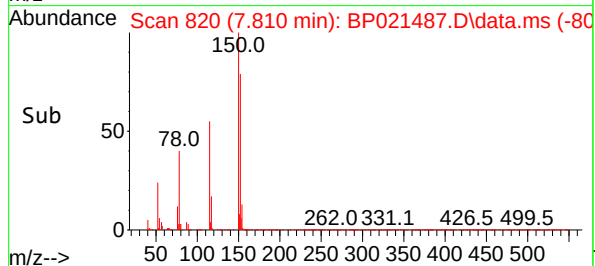
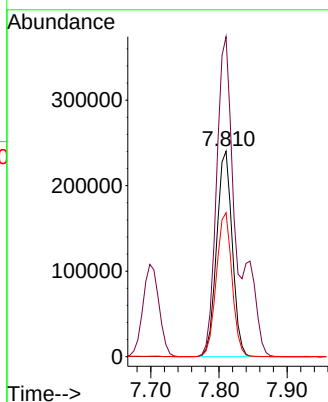
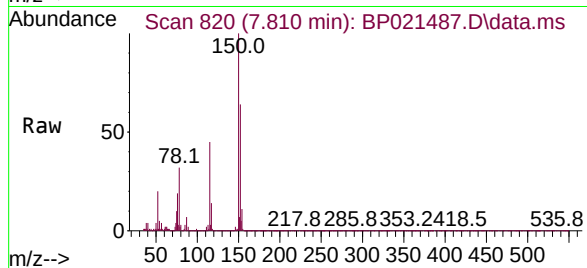
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.810 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion: 152 Resp: 382208  
Ion Ratio Lower Upper  
152 100  
150 155.8 122.4 183.6  
115 70.1 54.7 82.1

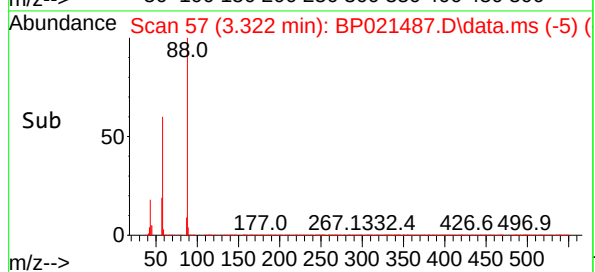
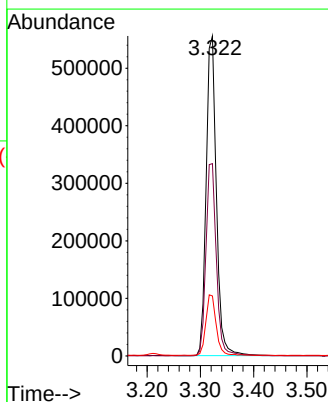
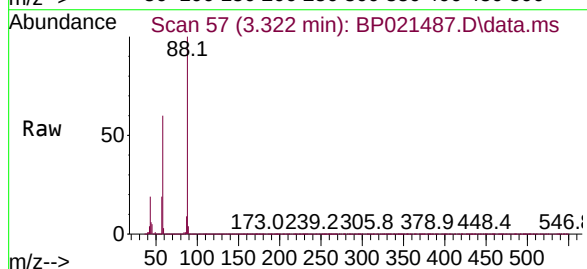
Manual Integrations  
APPROVED

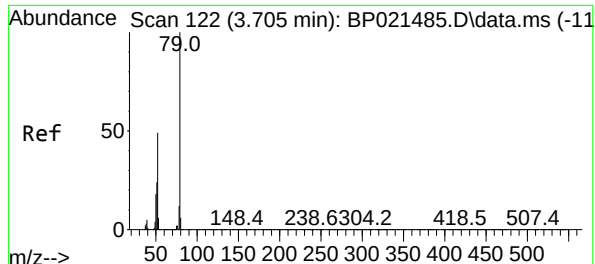
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#2  
1,4-Dioxane  
Concen: 60.569 ng  
RT: 3.322 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion: 88 Resp: 739240  
Ion Ratio Lower Upper  
88 100  
58 61.4 48.7 73.1  
43 19.1 15.4 23.2





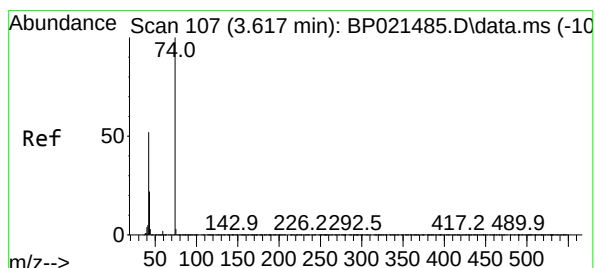
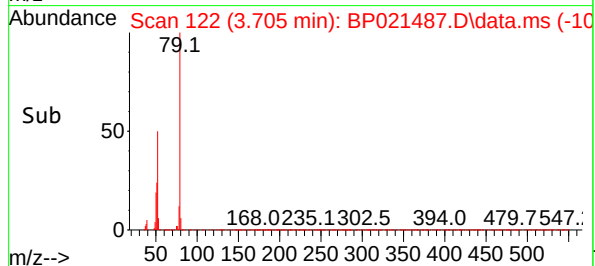
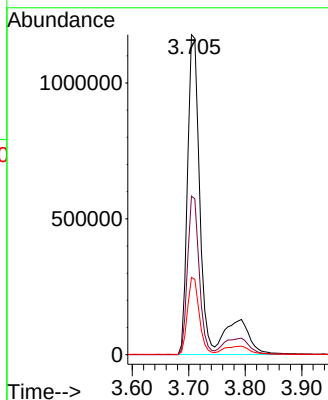
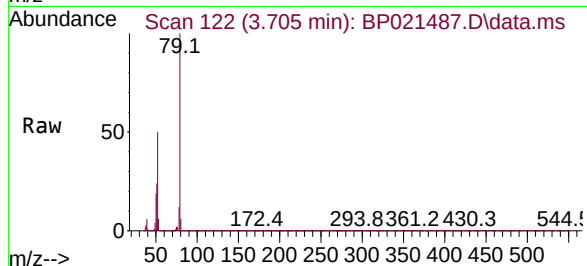
#3  
Pyridine  
Concen: 61.723 ng m  
RT: 3.705 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion: 79 Resp: 2102990  
Ion Ratio Lower Upper  
79 100  
52 49.5 39.0 58.6  
51 24.1 19.2 28.8

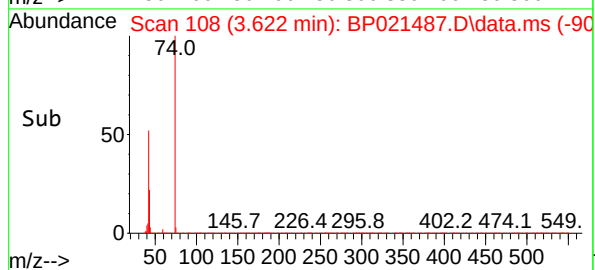
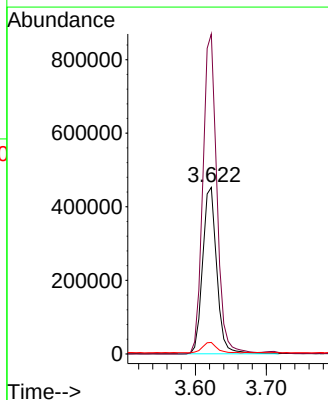
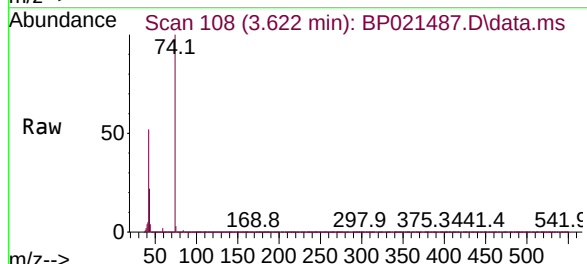
Manual Integrations  
APPROVED

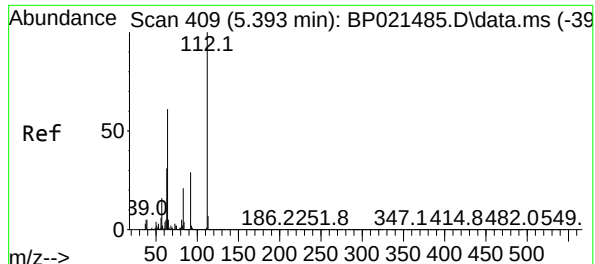
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 61.099 ng  
RT: 3.622 min Scan# 108  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion: 42 Resp: 625716  
Ion Ratio Lower Upper  
42 100  
74 192.1 154.3 231.5  
44 7.0 6.2 9.4





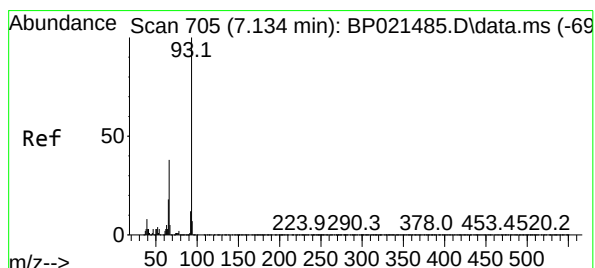
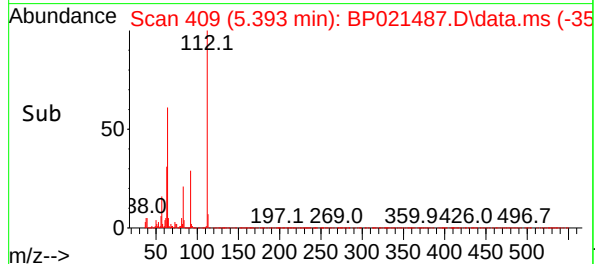
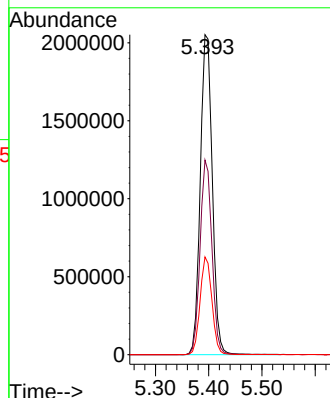
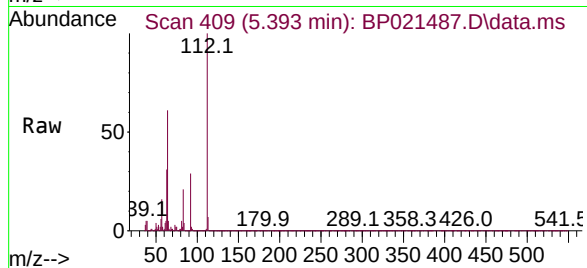
#5  
2-Fluorophenol  
Concen: 124.817 ng  
RT: 5.393 min Scan# 409  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC060

Tgt Ion: 112 Resp: 321282  
Ion Ratio Lower Upper  
112 100  
64 60.8 49.0 73.6  
63 30.6 24.6 36.8

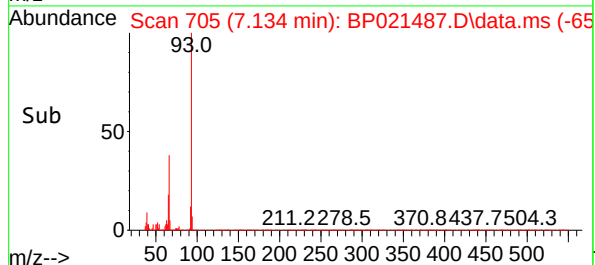
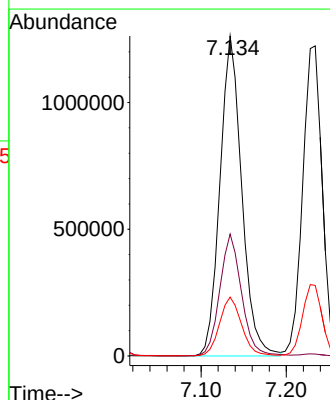
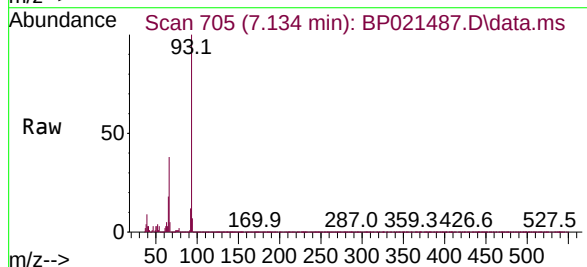
Manual Integrations  
APPROVED

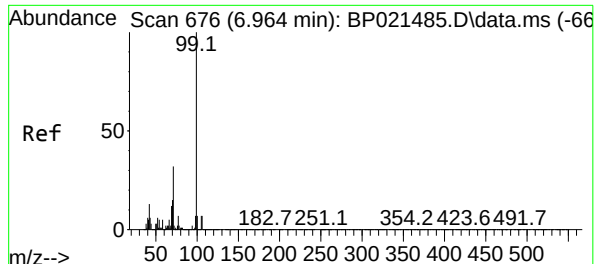
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#6  
Aniline  
Concen: 59.670 ng  
RT: 7.134 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2239942  
Ion Ratio Lower Upper  
93 100  
66 38.1 30.2 45.2  
65 18.4 14.7 22.1





#7

Phenol-d6

Concen: 122.053 ng

RT: 6.963 min Scan# 61

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 458298

Ion Ratio Lower Upper

99 100

42 12.6 10.2 15.4

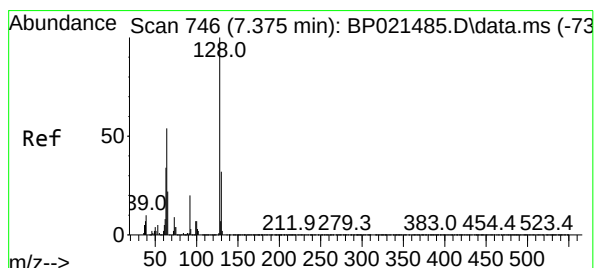
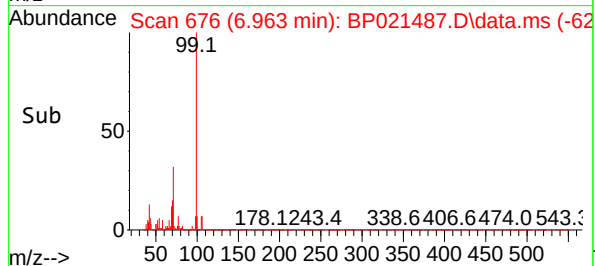
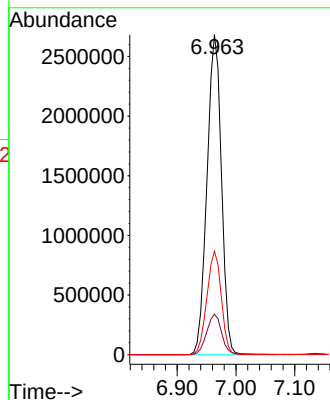
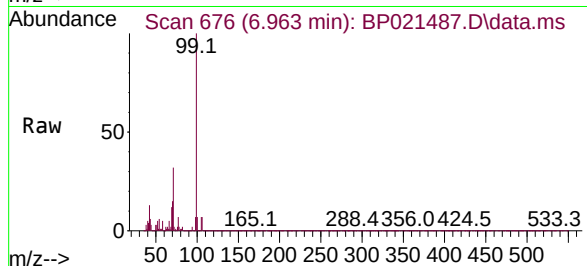
71 32.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 61.917 ng

RT: 7.375 min Scan# 746

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

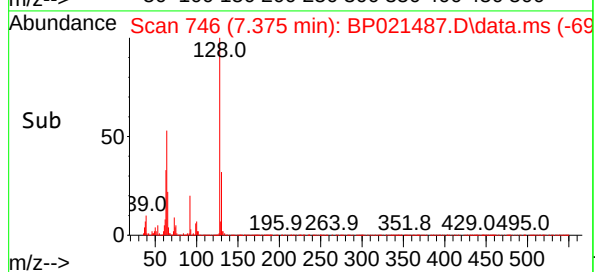
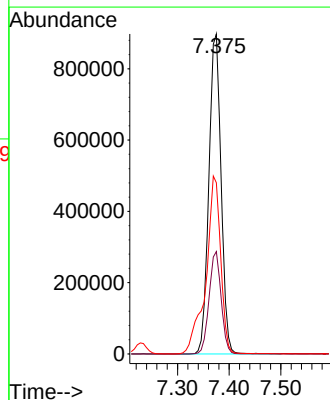
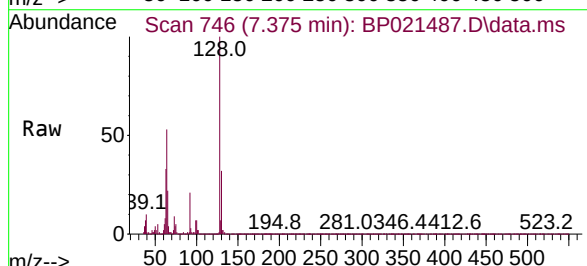
Tgt Ion:128 Resp: 1472845

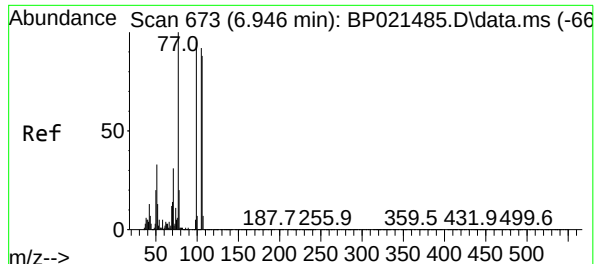
Ion Ratio Lower Upper

128 100

130 32.0 11.6 51.6

64 53.5 35.3 75.3





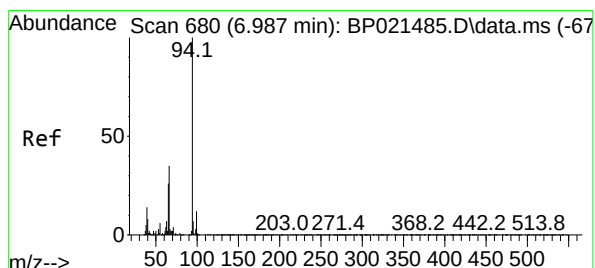
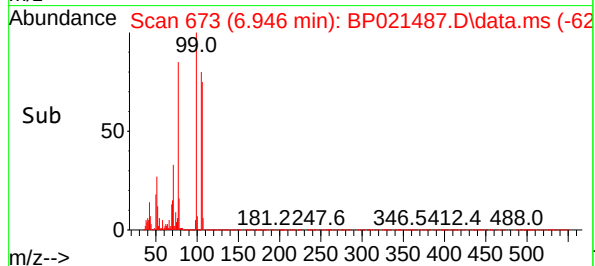
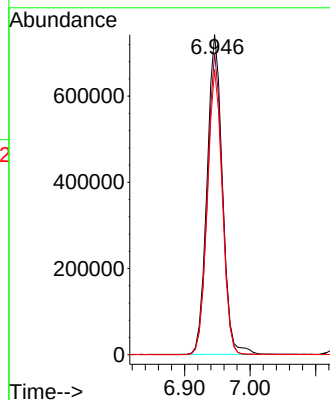
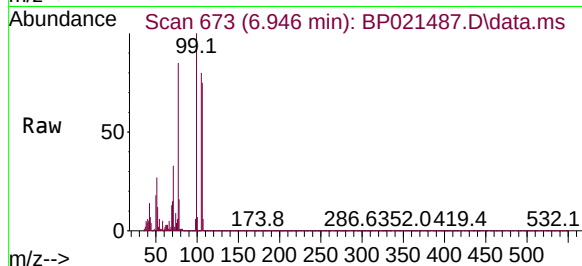
#9  
Benzaldehyde  
Concen: 50.428 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion: 77 Resp: 1212390  
Ion Ratio Lower Upper  
77 100  
105 94.4 72.1 112.1  
106 89.1 67.9 107.9

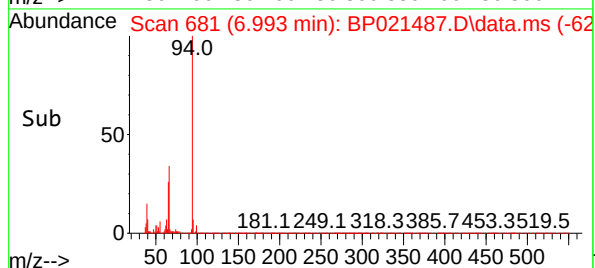
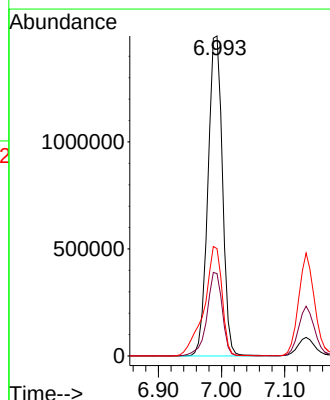
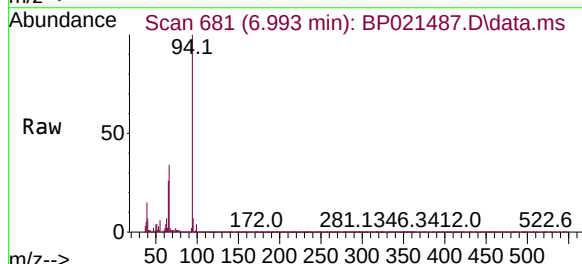
Manual Integrations  
APPROVED

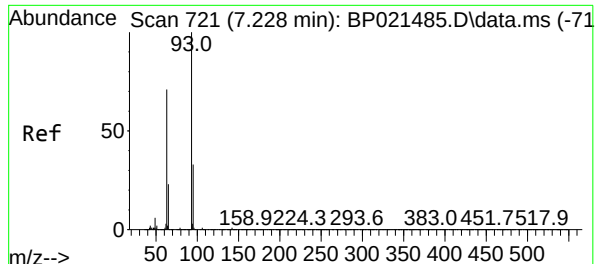
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 61.254 ng  
RT: 6.993 min Scan# 681  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion: 94 Resp: 2381743  
Ion Ratio Lower Upper  
94 100  
65 25.8 6.5 46.5  
66 33.6 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 58.905 ng

RT: 7.234 min Scan# 721

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 193806

Ion Ratio Lower Upper

93 100

63 69.6 51.0 91.0

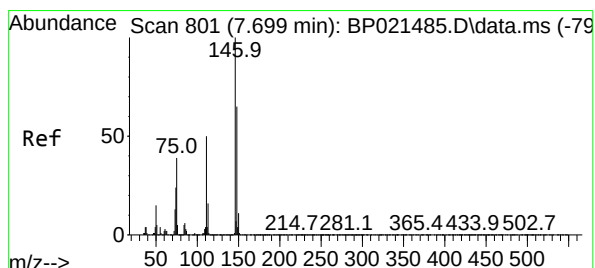
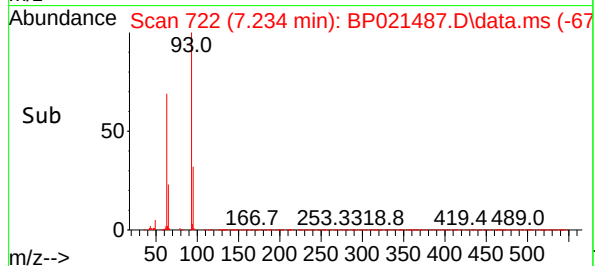
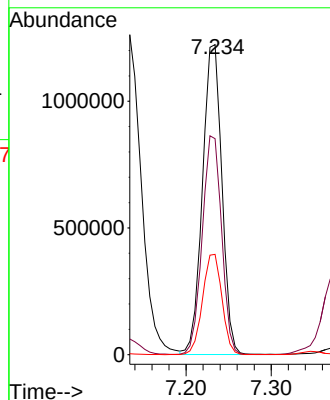
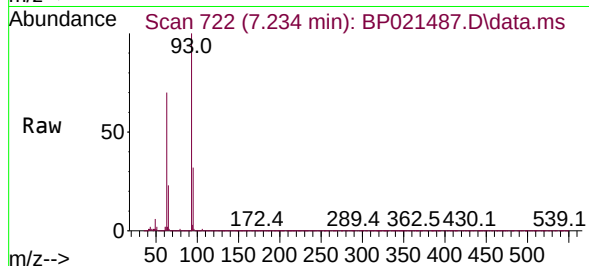
95 32.4 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 59.538 ng

RT: 7.699 min Scan# 801

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

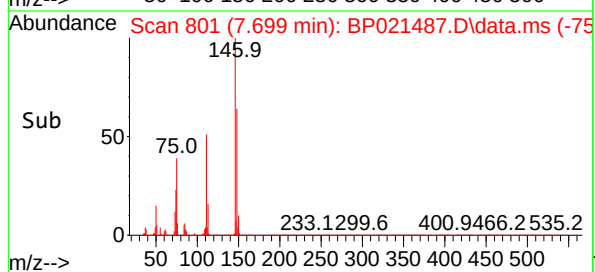
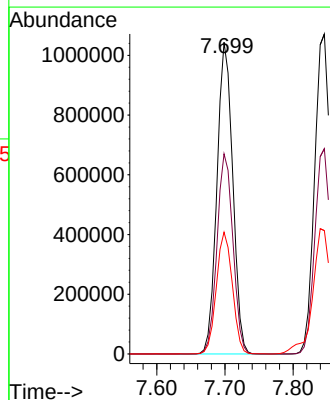
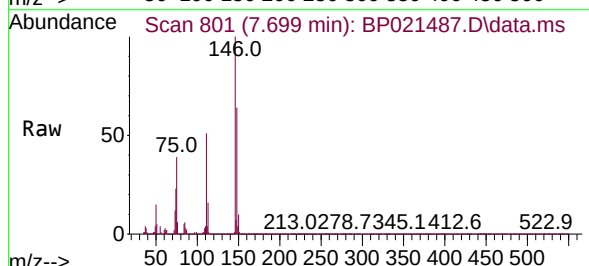
Tgt Ion:146 Resp: 1682261

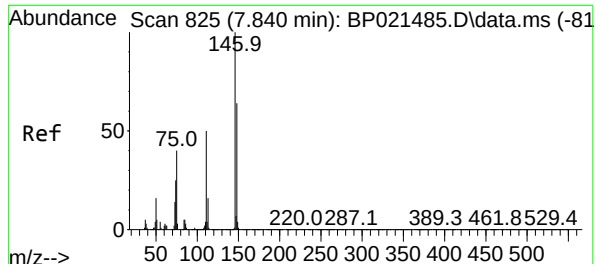
Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.6

75 39.1 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 59.904 ng

RT: 7.846 min Scan# 81

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 1709124

Ion Ratio Lower Upper

146 100

148 64.1 51.5 77.3

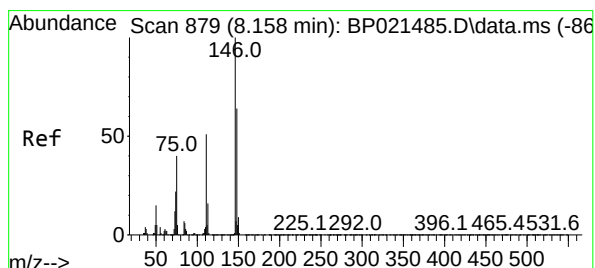
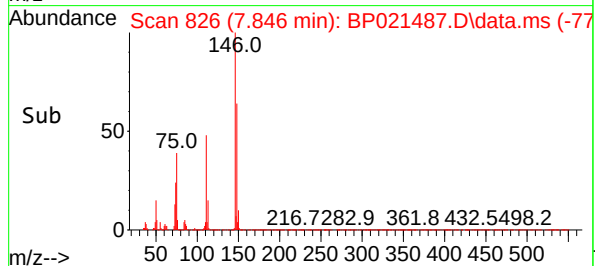
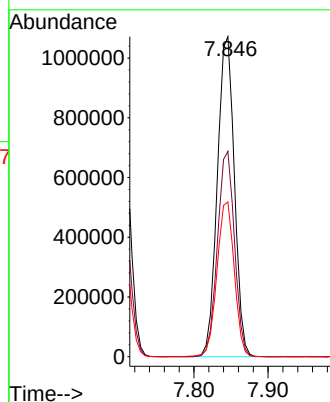
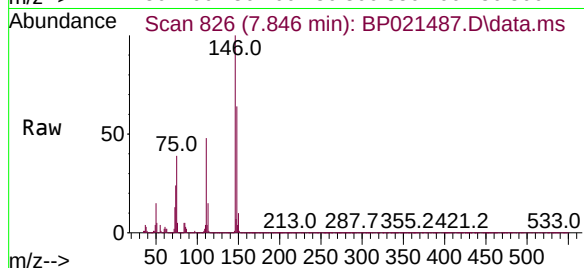
111 48.4 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 59.070 ng

RT: 8.157 min Scan# 879

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

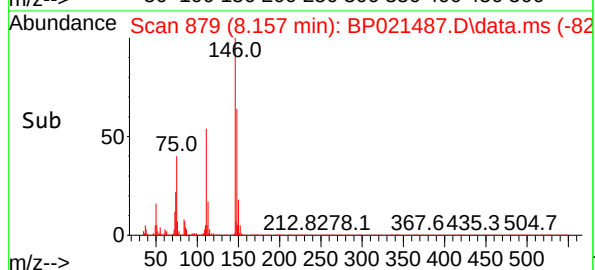
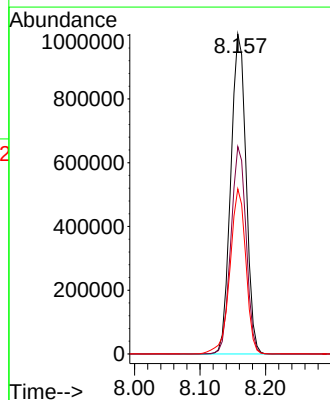
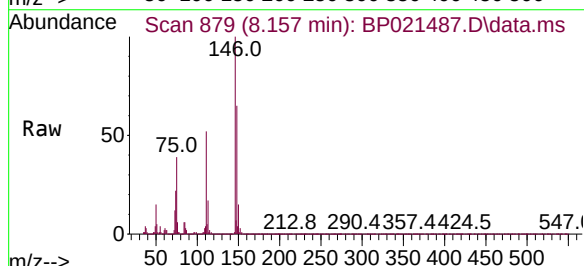
Tgt Ion:146 Resp: 1624118

Ion Ratio Lower Upper

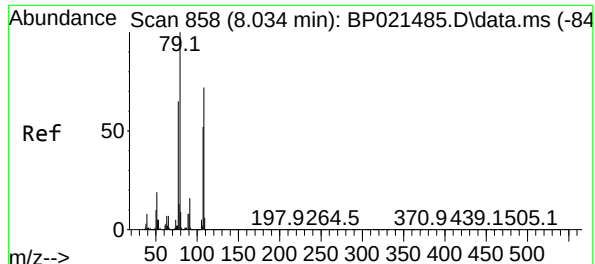
146 100

148 64.8 51.5 77.3

111 51.6 41.1 61.7







#15

Benzyl Alcohol

Concen: 61.166 ng

RT: 8.034 min Scan# 858

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 1647924

Ion Ratio Lower Upper

79 100

108 71.6 57.9 86.9

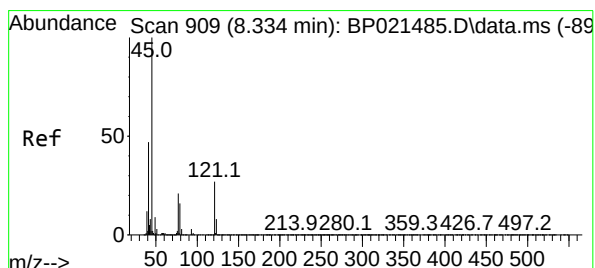
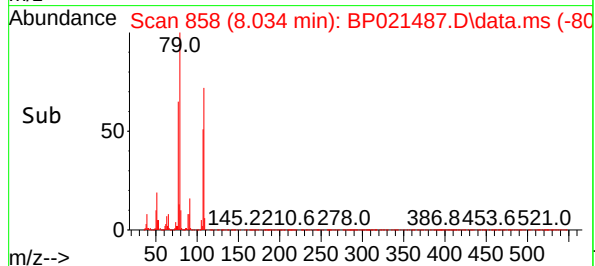
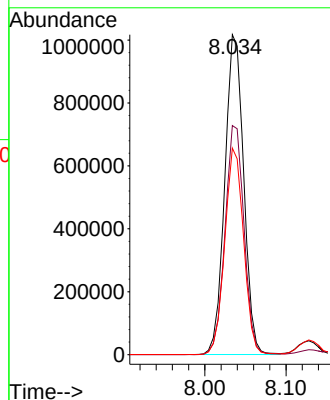
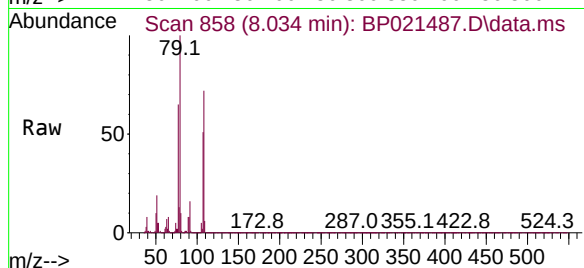
77 64.5 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 57.982 ng

RT: 8.334 min Scan# 909

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

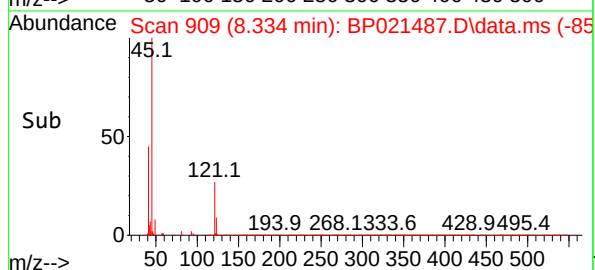
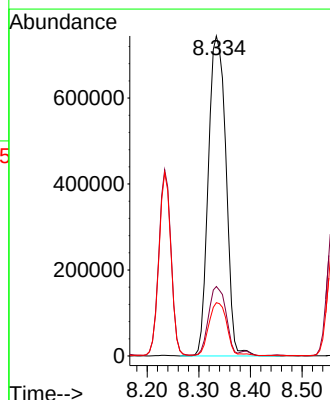
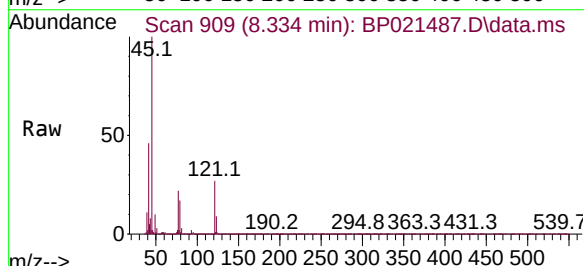
Tgt Ion: 45 Resp: 1756837

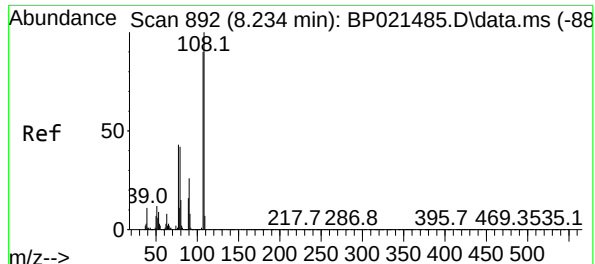
Ion Ratio Lower Upper

45 100

77 21.7 1.9 41.9

79 16.6 0.0 36.6





#17

2-Methylphenol

Concen: 60.098 ng

RT: 8.234 min Scan# 892

Delta R.T. -0.000 min

Lab File: BP021487.D

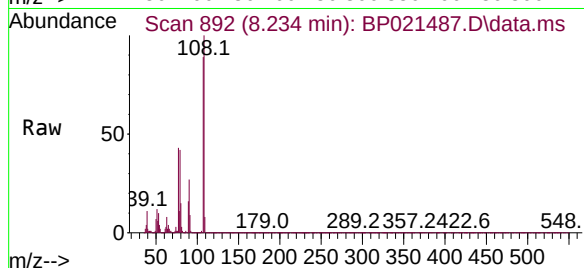
Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060



Tgt Ion:107 Resp: 1477294

Ion Ratio Lower Upper

107 100

108 111.8 88.8 133.2

77 48.0 38.7 58.1

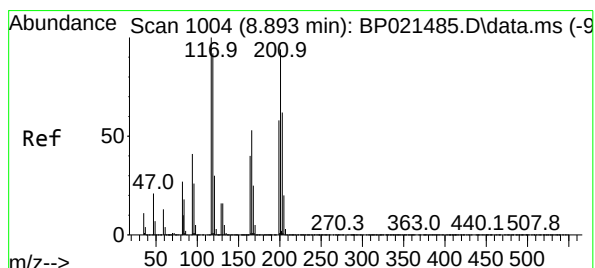
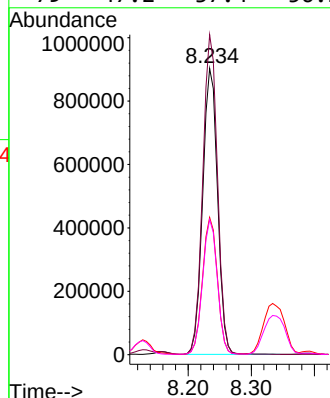
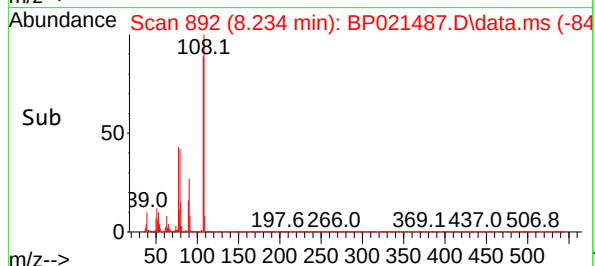
79 47.2 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

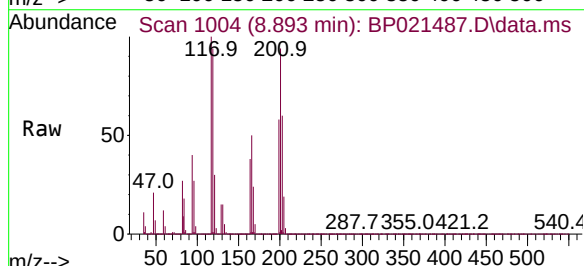
Concen: 61.570 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53



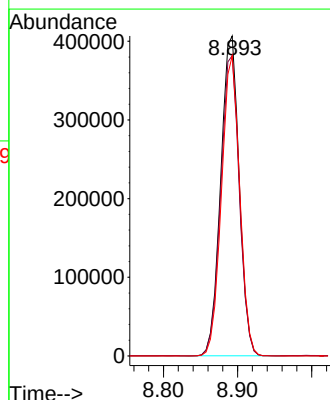
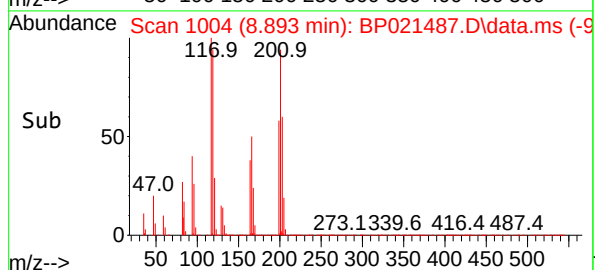
Tgt Ion:117 Resp: 704431

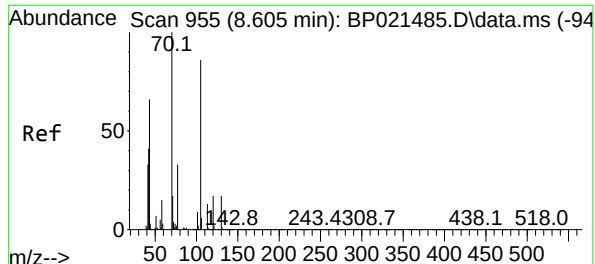
Ion Ratio Lower Upper

117 100

119 93.9 73.9 110.9

201 93.8 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 56.194 ng

RT: 8.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 1457549

Ion Ratio Lower Upper

70 100

42 42.0 33.1 49.7

101 10.0 7.4 11.2

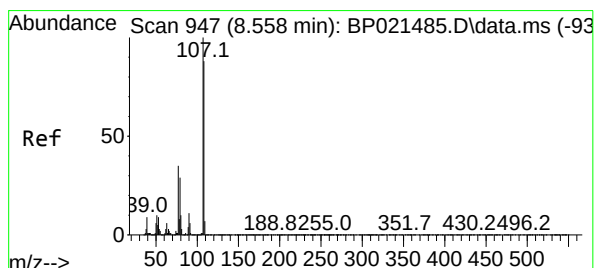
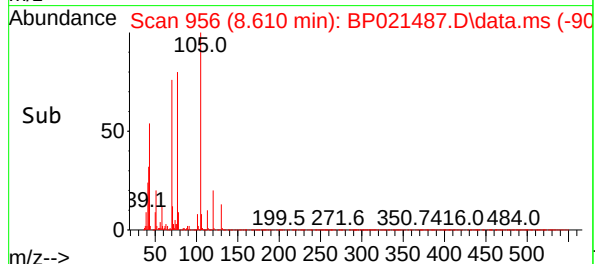
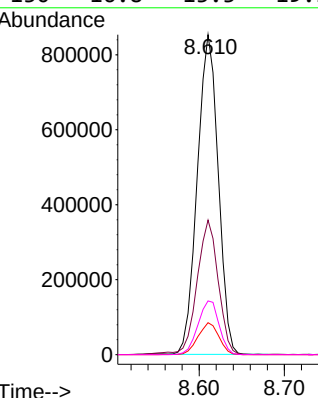
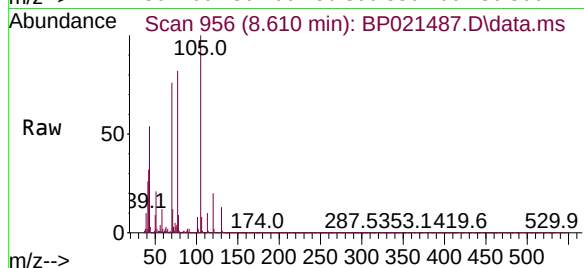
130 16.8 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

Concen: 61.202 ng

RT: 8.563 min Scan# 948

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 2028575

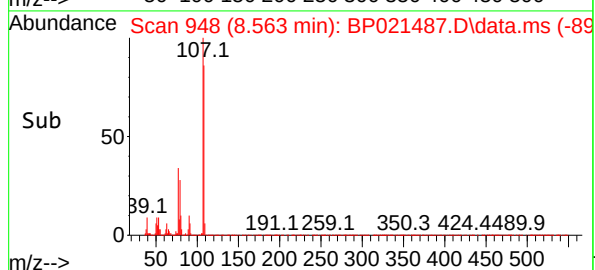
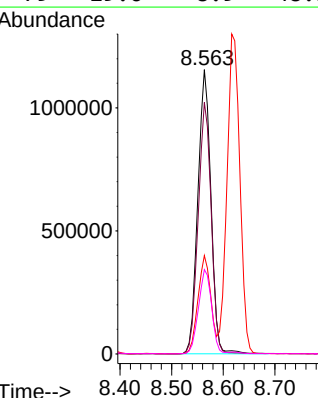
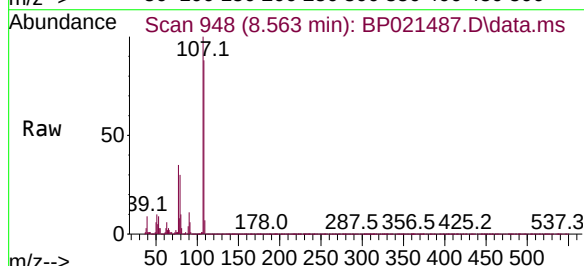
Ion Ratio Lower Upper

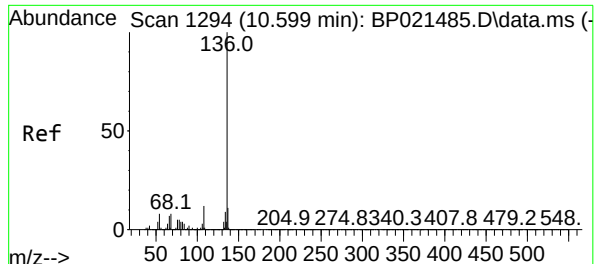
107 100

108 88.4 67.6 107.6

77 34.6 15.0 55.0

79 29.6 8.9 48.9





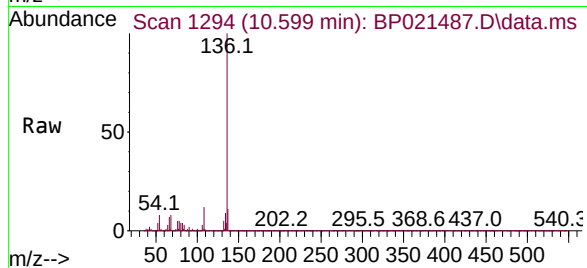
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 1294  
Delta R.T. -0.001 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

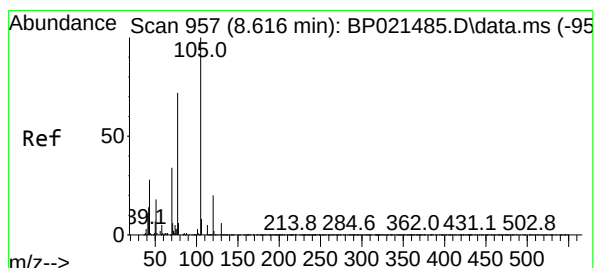
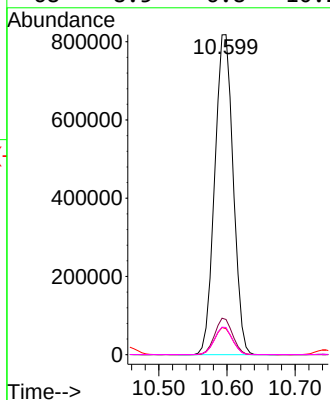
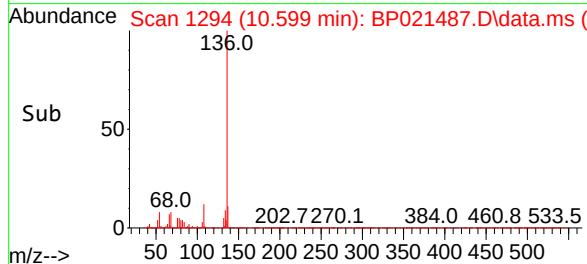
SSTDICC060



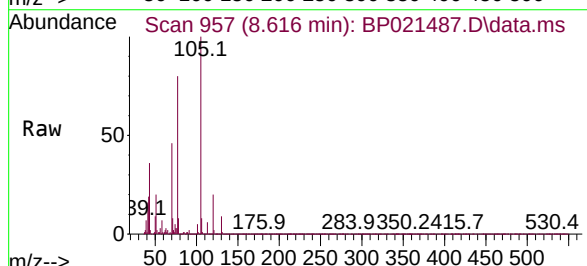
Tgt Ion:136 Resp: 153921  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 8.1 6.3 9.5  
68 8.5 6.8 10.2

Manual Integrations  
APPROVED

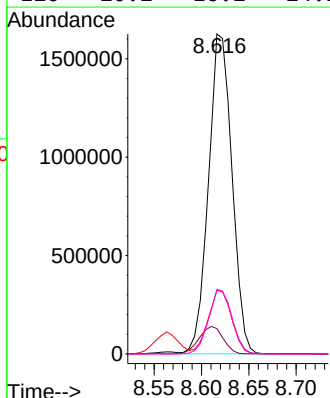
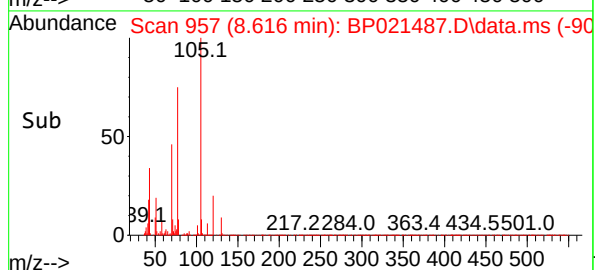
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

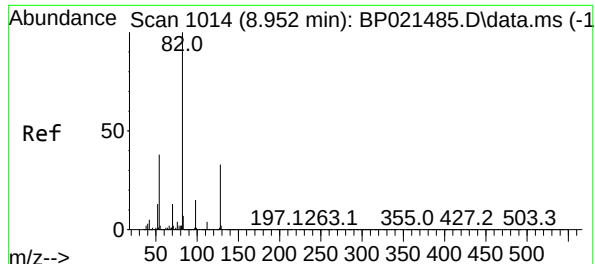


#22  
Acetophenone  
Concen: 59.500 ng  
RT: 8.616 min Scan# 957  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53



Tgt Ion:105 Resp: 2813557  
Ion Ratio Lower Upper  
105 100  
71 8.0 4.6 7.0#  
51 19.9 16.3 24.5  
120 20.2 16.2 24.2





#23

Nitrobenzene-d5

Concen: 134.966 ng

RT: 8.957 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 402482

Ion Ratio Lower Upper

82 100

128 34.8 26.5 39.7

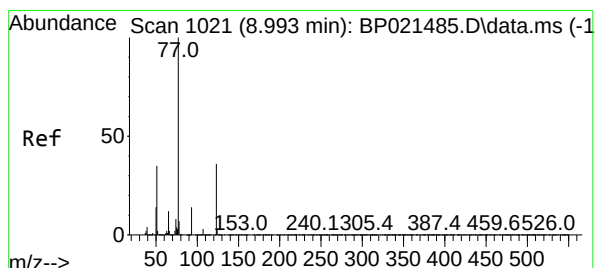
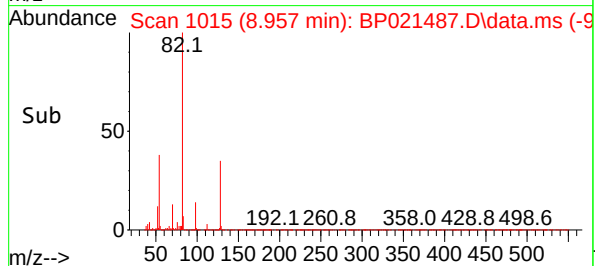
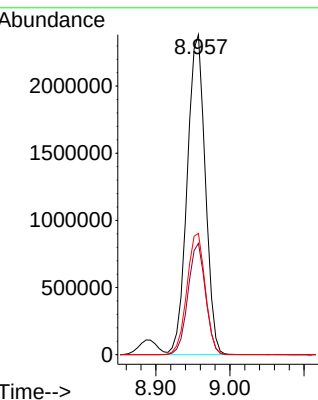
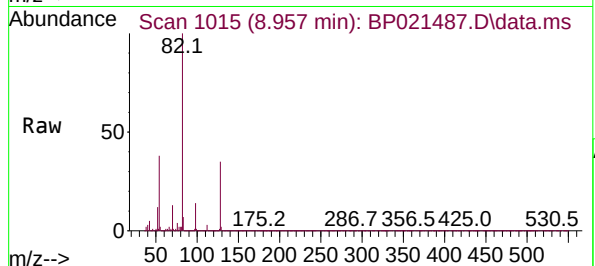
54 37.9 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 65.650 ng

RT: 8.999 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

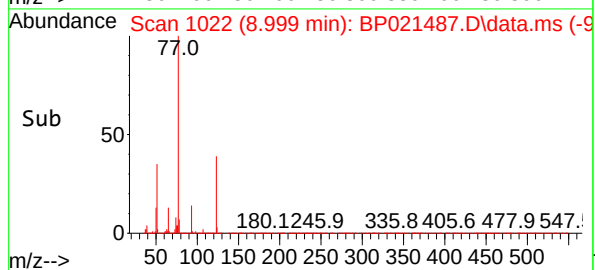
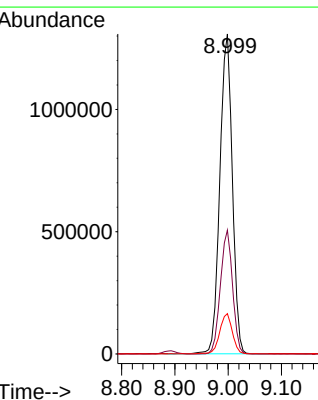
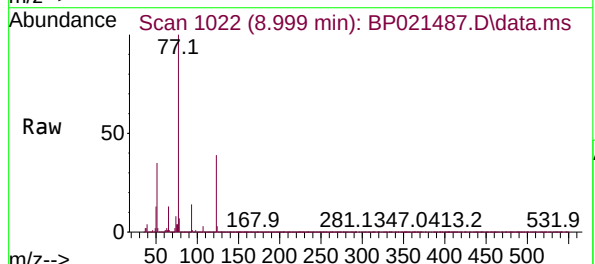
Tgt Ion: 77 Resp: 2126322

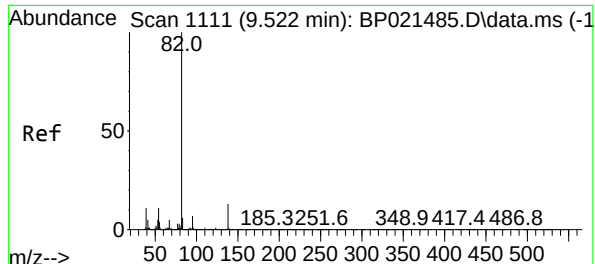
Ion Ratio Lower Upper

77 100

123 38.7 29.5 44.3

65 12.6 9.9 14.9





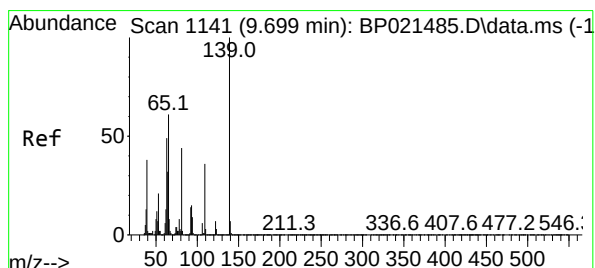
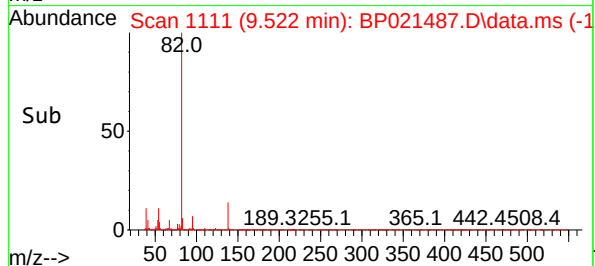
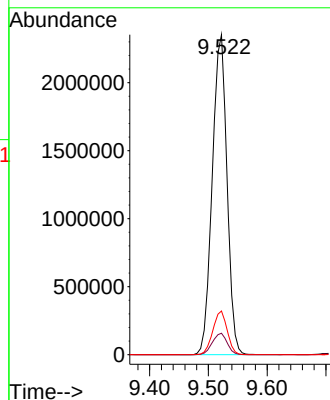
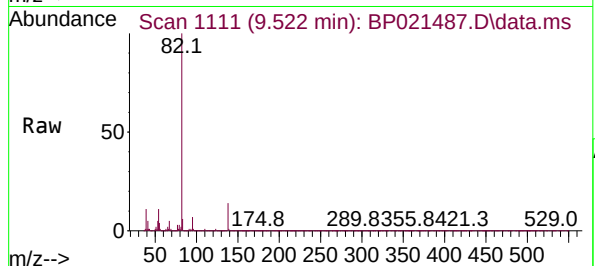
#25  
Isophorone  
Concen: 58.086 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion: 82 Resp: 4092218  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.2  
138 13.6 10.6 16.0

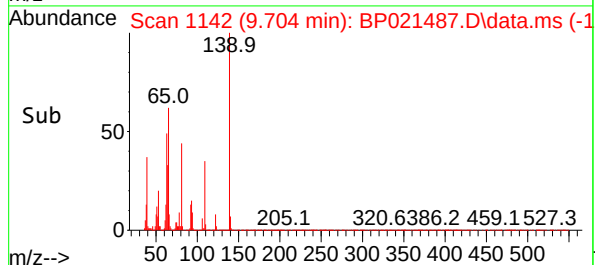
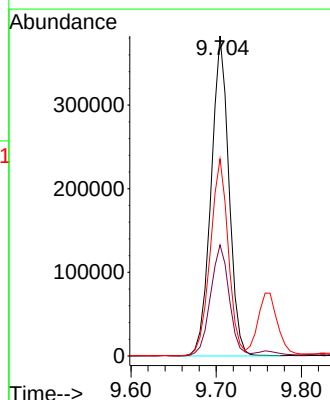
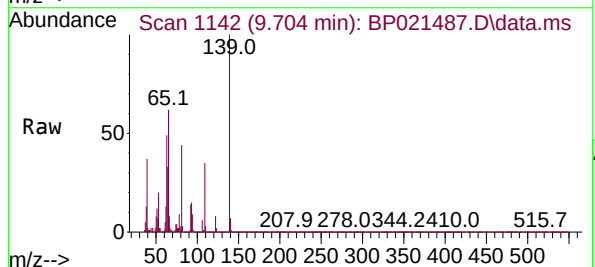
Manual Integrations  
APPROVED

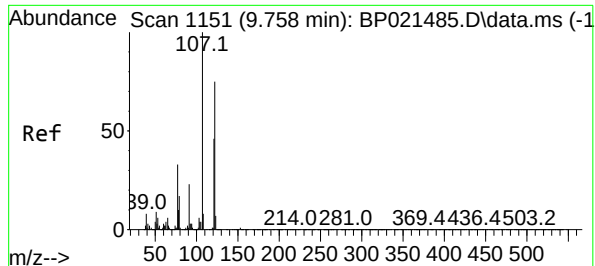
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#26  
2-Nitrophenol  
Concen: 60.117 ng  
RT: 9.704 min Scan# 1142  
Delta R.T. 0.005 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 554873  
Ion Ratio Lower Upper  
139 100  
109 34.7 28.9 43.3  
65 61.6 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 61.792 ng

RT: 9.763 min Scan# 1151

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 107433

Ion Ratio Lower Upper

122 100

107 129.0 106.2 159.4

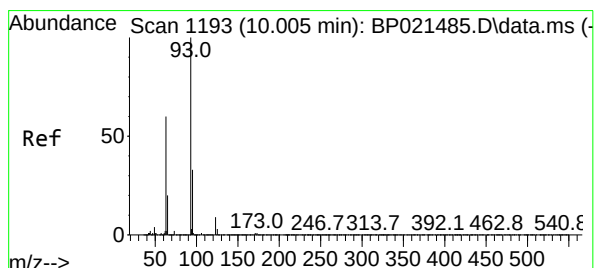
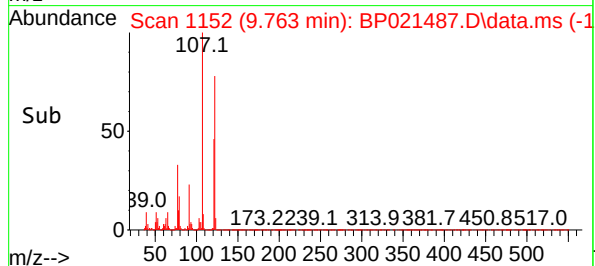
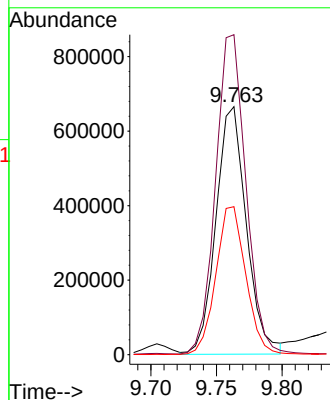
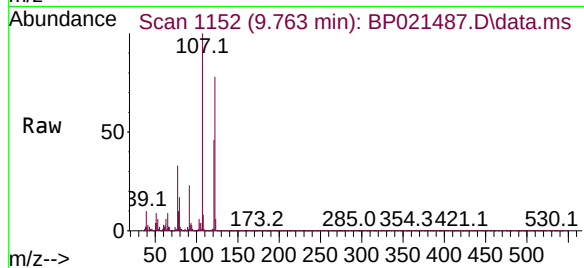
121 59.7 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 59.443 ng

RT: 10.004 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

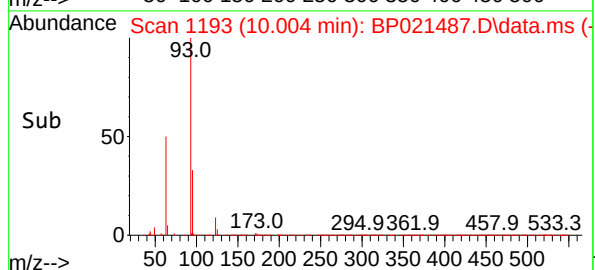
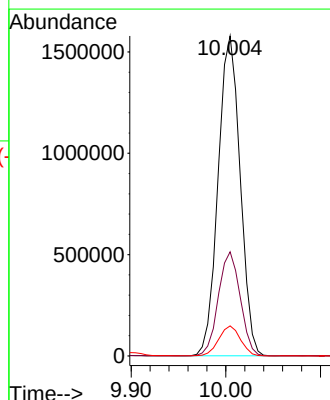
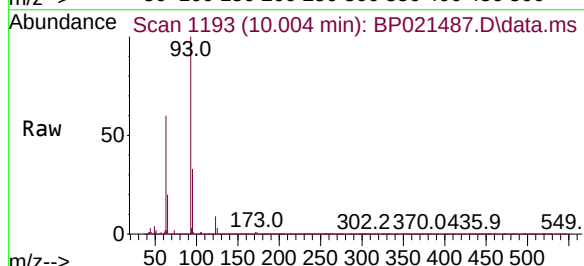
Tgt Ion: 93 Resp: 2556281

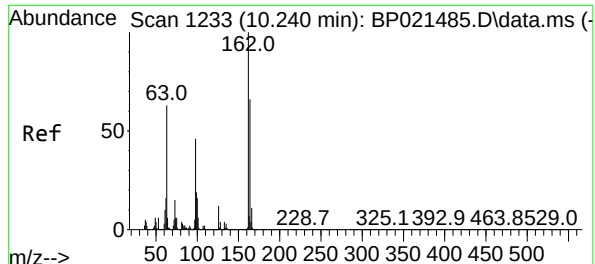
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 9.4 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 64.829 ng

RT: 10.234 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 1331749

Ion Ratio Lower Upper

162 100

164 64.4 45.9 85.9

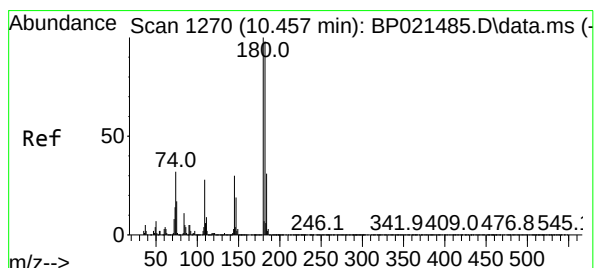
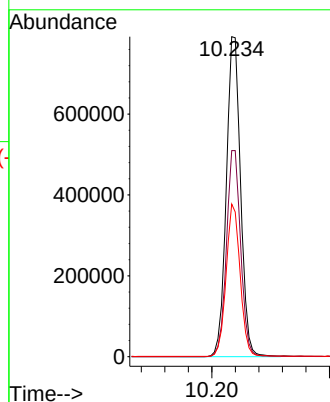
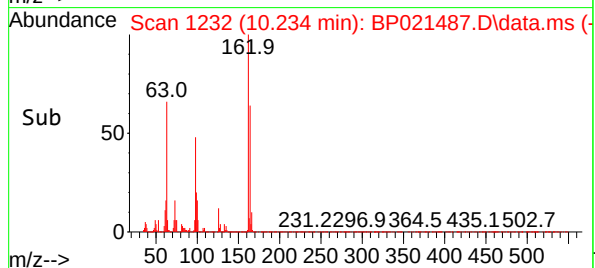
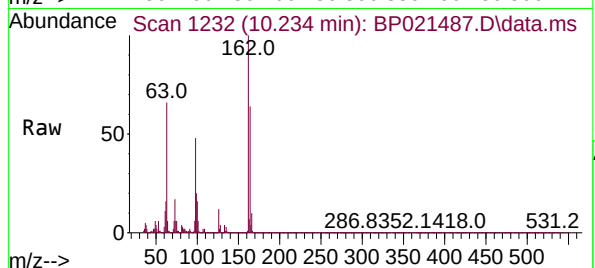
98 47.7 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#30

1,2,4-Trichlorobenzene

Concen: 61.128 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

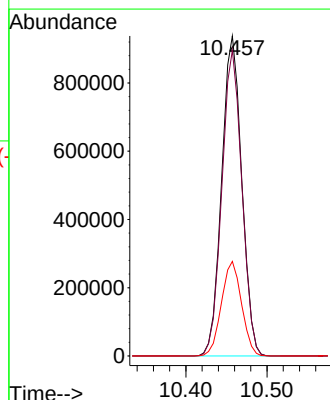
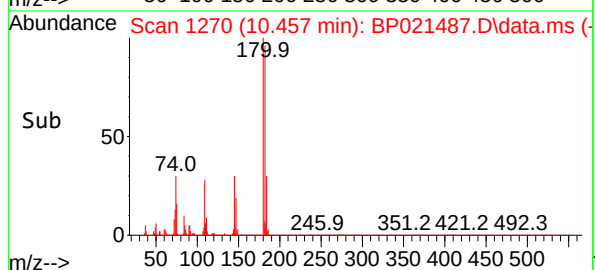
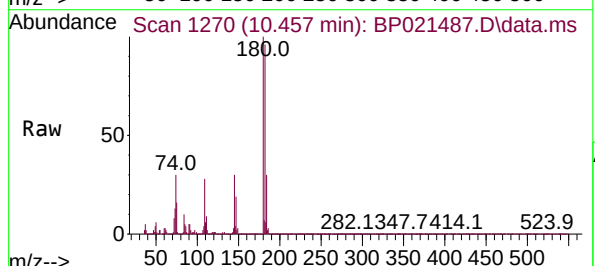
Tgt Ion:180 Resp: 1609924

Ion Ratio Lower Upper

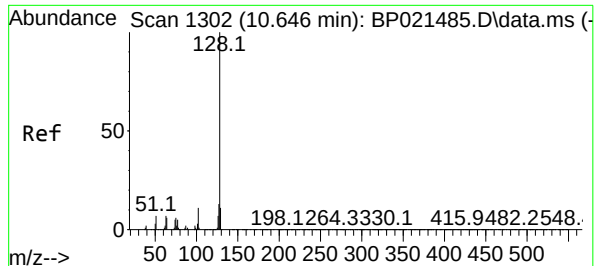
180 100

182 95.5 78.3 117.5

145 29.5 24.0 36.0







#31

Naphthalene

Concen: 60.059 ng

RT: 10.646 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:128 Resp: 482927

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

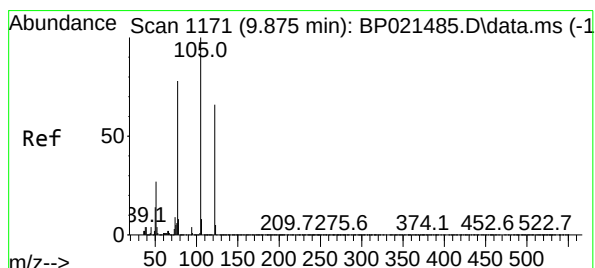
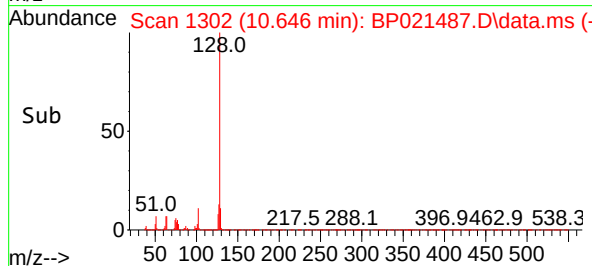
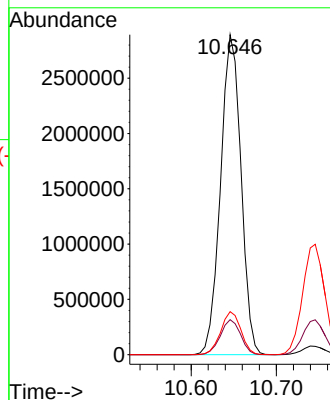
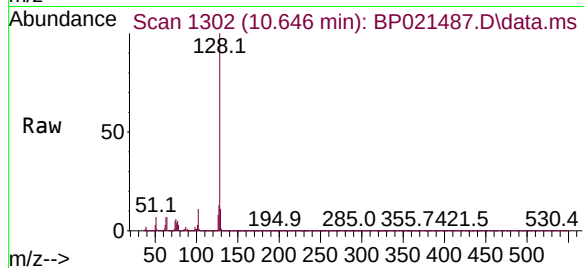
127 13.4 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#32

Benzoic acid

Concen: 61.192 ng

RT: 9.904 min Scan# 1176

Delta R.T. 0.029 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

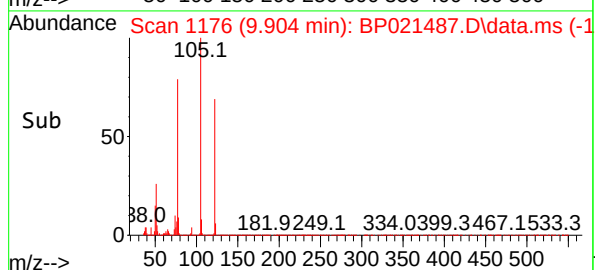
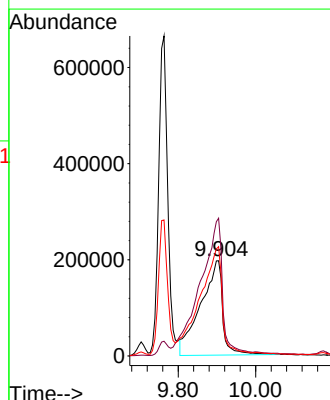
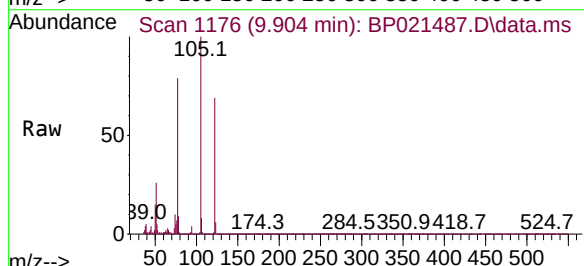
Tgt Ion:122 Resp: 775935

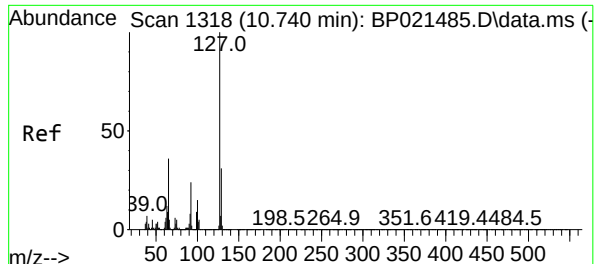
Ion Ratio Lower Upper

122 100

105 144.5 124.6 164.6

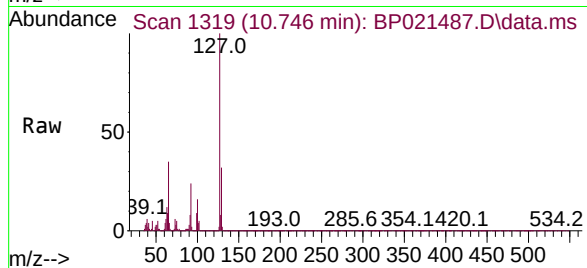
77 114.7 96.2 136.2





#33  
4-Chloroaniline  
Concen: 59.532 ng  
RT: 10.746 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

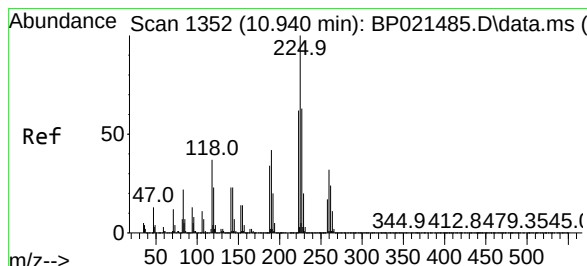
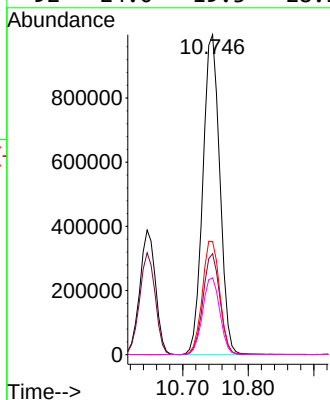
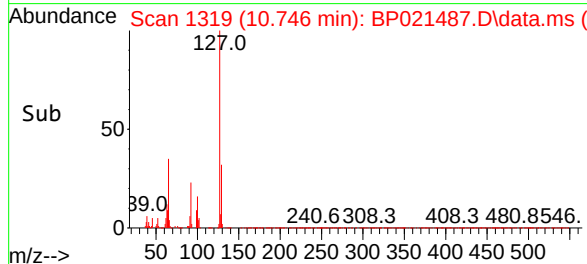
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:127 Resp: 179812  
Ion Ratio Lower Upper  
127 100  
129 31.6 24.5 36.7  
65 35.4 28.9 43.3  
92 24.0 19.3 28.9

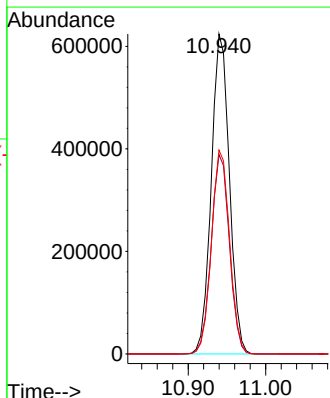
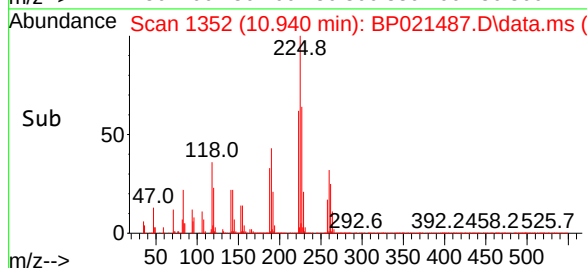
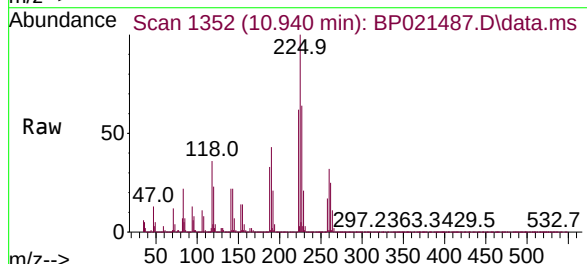
Manual Integrations  
APPROVED

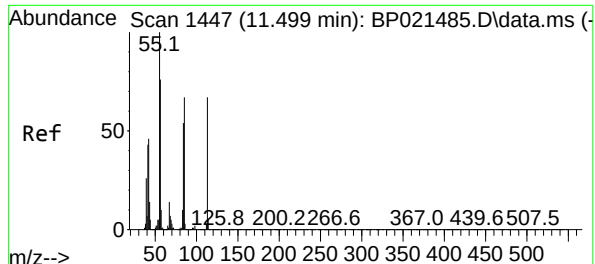
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#34  
Hexachlorobutadiene  
Concen: 61.008 ng  
RT: 10.940 min Scan# 1352  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

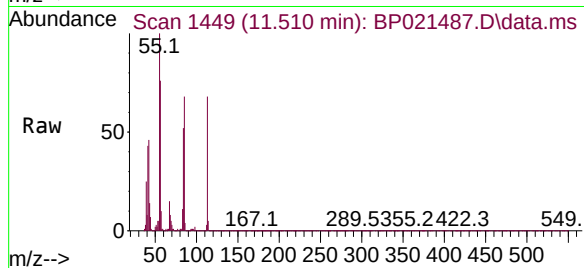
Tgt Ion:225 Resp: 1011679  
Ion Ratio Lower Upper  
225 100  
223 62.3 49.6 74.4  
227 63.7 50.1 75.1





#35  
Caprolactam  
Concen: 61.084 ng  
RT: 11.510 min Scan# 1447  
Delta R.T. 0.012 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

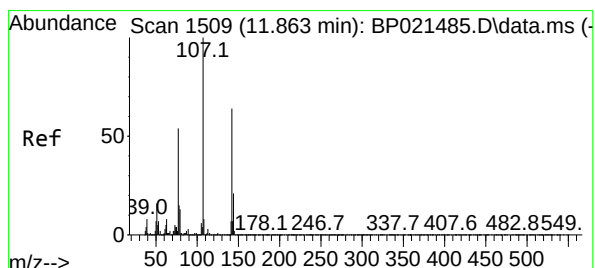
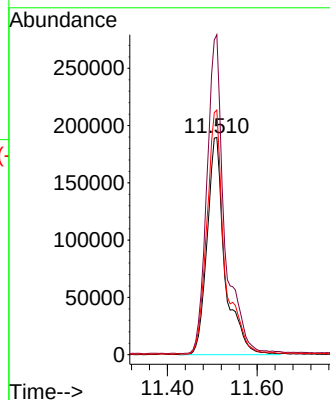
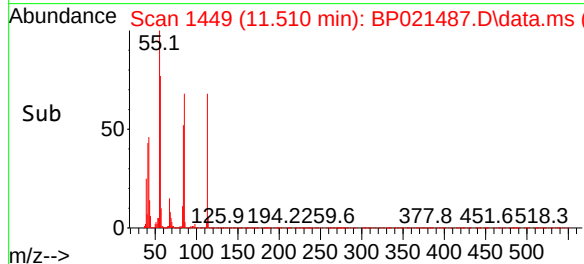
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:113 Resp: 52223  
Ion Ratio Lower Upper  
113 100  
55 147.3 130.6 170.6  
56 112.6 94.6 134.6

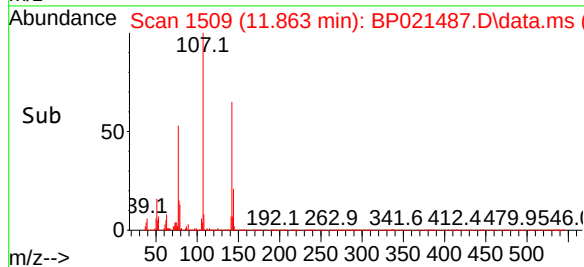
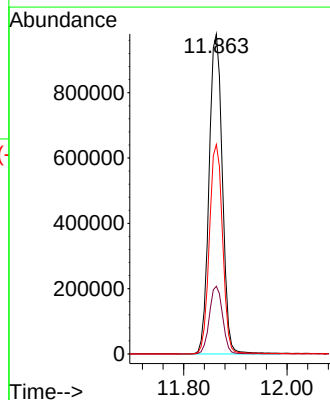
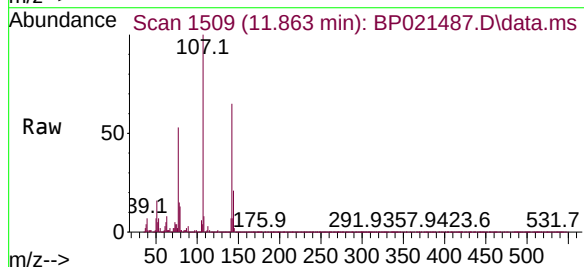
Manual Integrations  
APPROVED

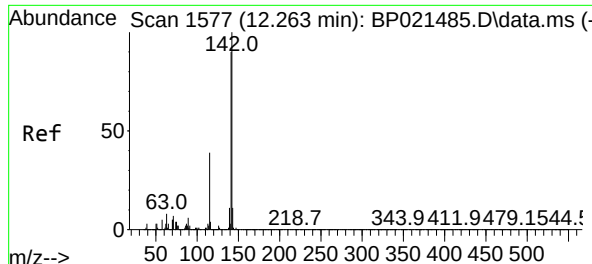
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#36  
4-Chloro-3-methylphenol  
Concen: 61.283 ng  
RT: 11.863 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 1746318  
Ion Ratio Lower Upper  
107 100  
144 21.1 16.6 24.8  
142 65.4 51.0 76.4





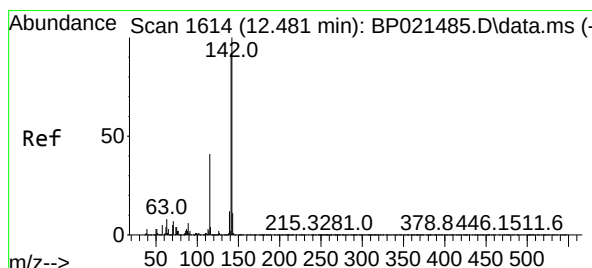
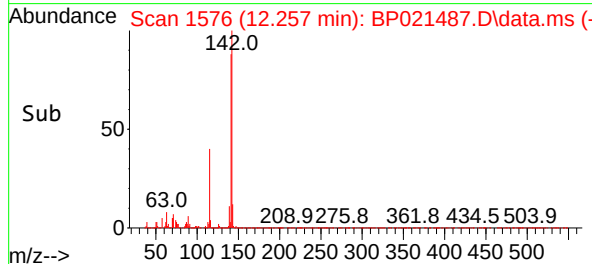
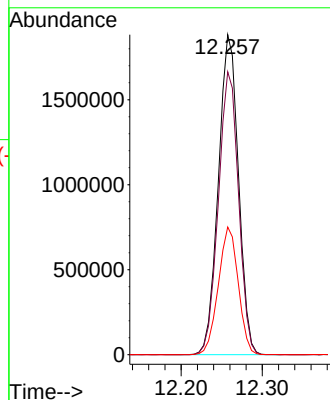
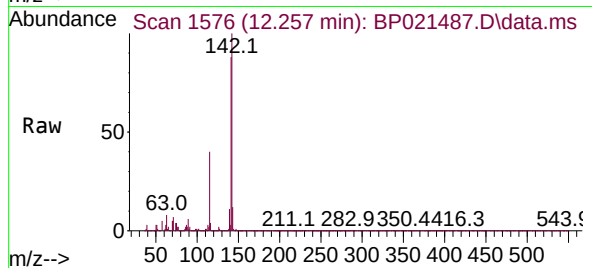
#37  
2-Methylnaphthalene  
Concen: 59.003 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion:142 Resp: 323804  
Ion Ratio Lower Upper  
142 100  
141 88.4 71.7 107.5  
115 39.9 31.4 47.2

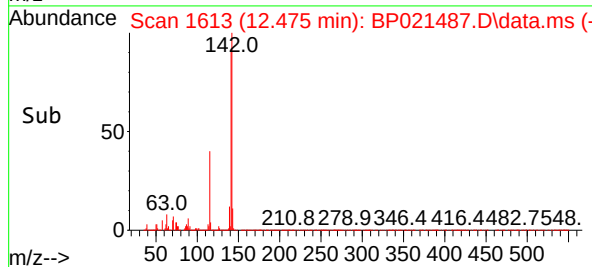
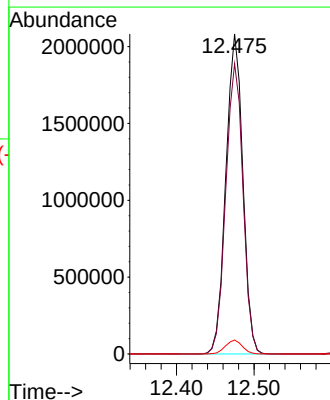
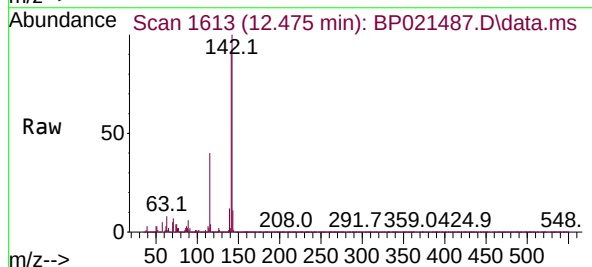
Manual Integrations  
APPROVED

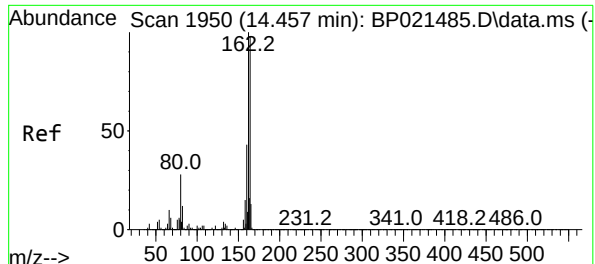
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#38  
1-Methylnaphthalene  
Concen: 58.451 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 3163697  
Ion Ratio Lower Upper  
142 100  
141 90.7 73.5 110.3  
116 4.4 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

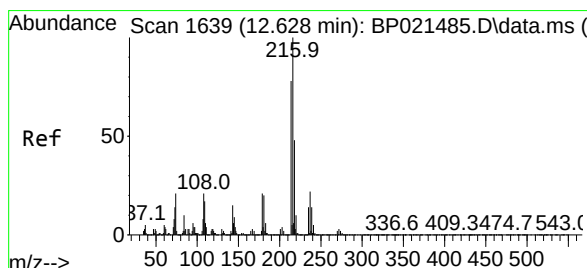
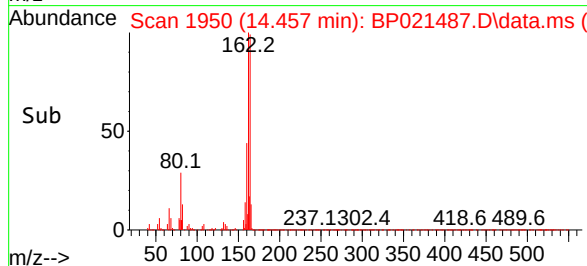
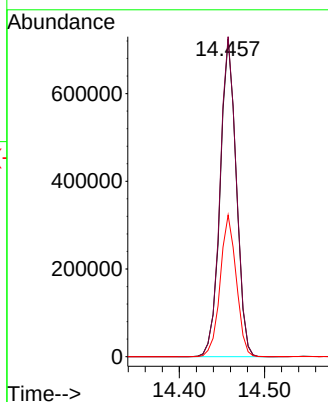
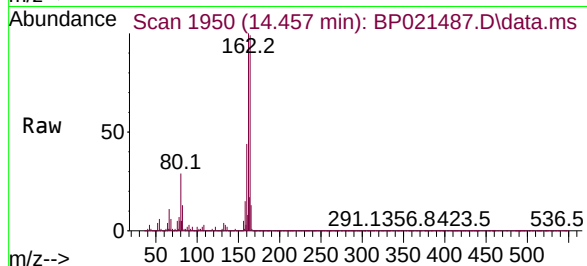
ClientSampleId :

SSTDICC060

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 95319 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.7 | 81.5  | 122.3 |
| 160       | 44.6  | 35.2  | 52.8  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 63.107 ng

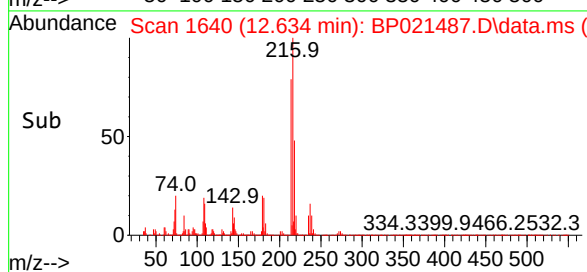
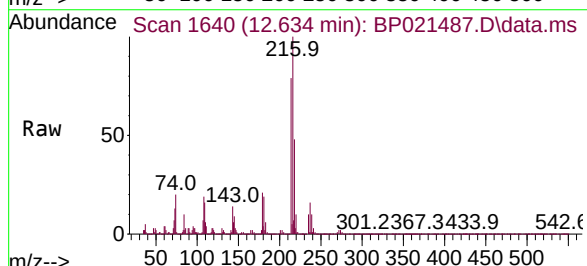
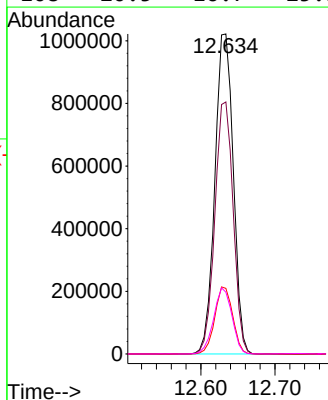
RT: 12.634 min Scan# 1640

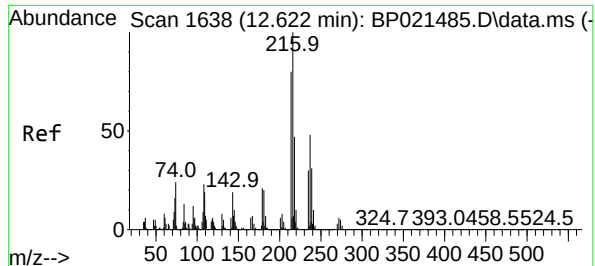
Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 216   | Resp: | 1762492 |
| Ion Ratio | Lower | Upper |         |
| 216       | 100   |       |         |
| 214       | 78.4  | 62.5  | 93.7    |
| 179       | 20.4  | 16.4  | 24.6    |
| 108       | 20.5  | 16.7  | 25.1    |





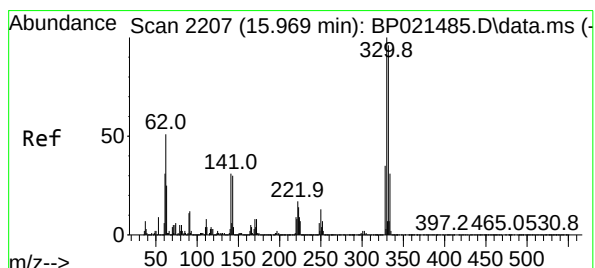
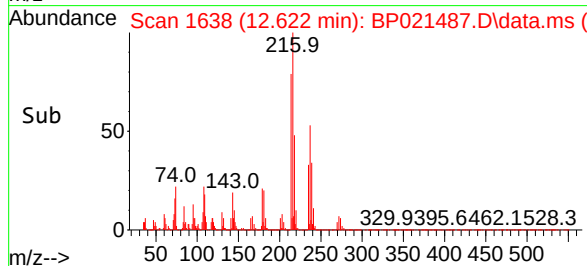
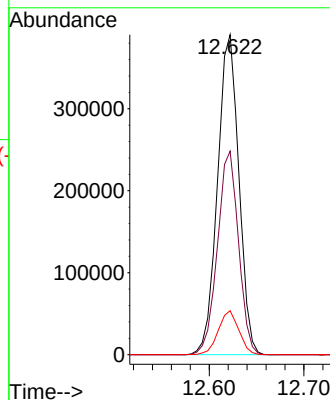
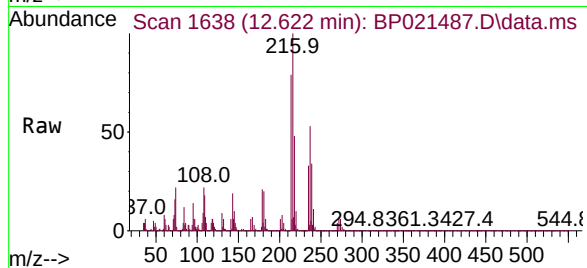
#41  
Hexachlorocyclopentadiene  
Concen: 69.006 ng  
RT: 12.622 min Scan# 1638  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion: 237 Resp: 61082  
Ion Ratio Lower Upper  
237 100  
235 63.6 43.9 83.9  
272 13.7 0.0 33.3

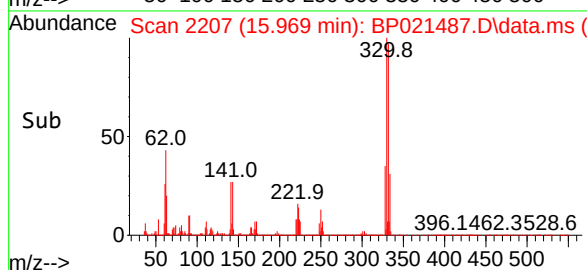
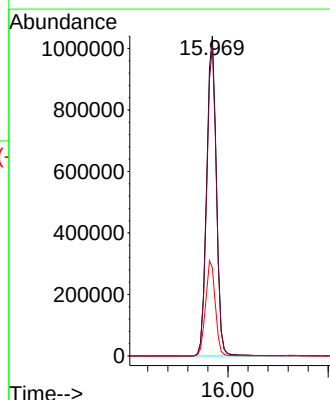
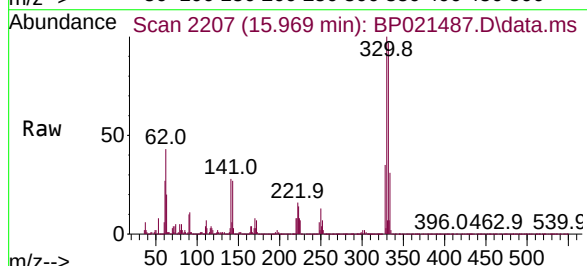
Manual Integrations  
APPROVED

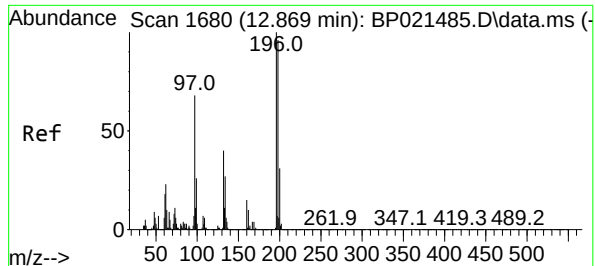
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#42  
2,4,6-Tribromophenol  
Concen: 132.067 ng  
RT: 15.969 min Scan# 2207  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion: 330 Resp: 1401053  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.4 116.0  
141 29.9 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 67.687 ng

RT: 12.857 min Scan# 1678

Delta R.T. -0.012 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:196 Resp: 1050099

Ion Ratio Lower Upper

196 100

198 95.3 76.6 114.8

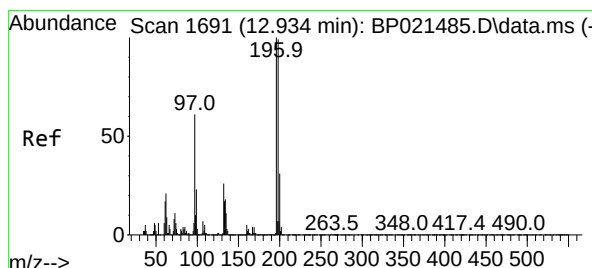
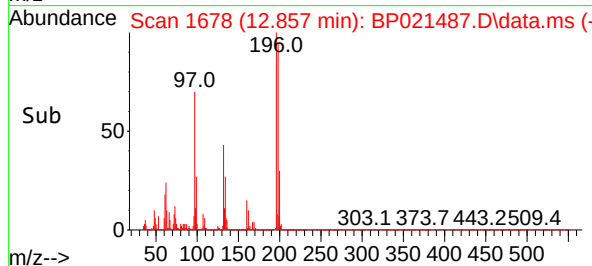
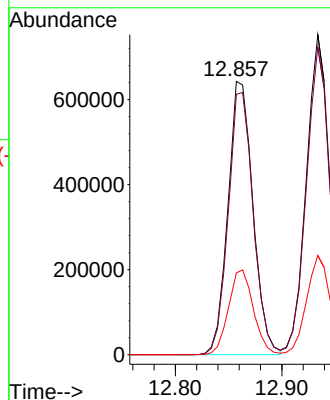
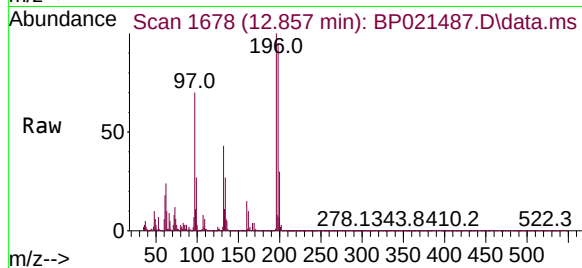
200 29.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 67.609 ng

RT: 12.934 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 1165351

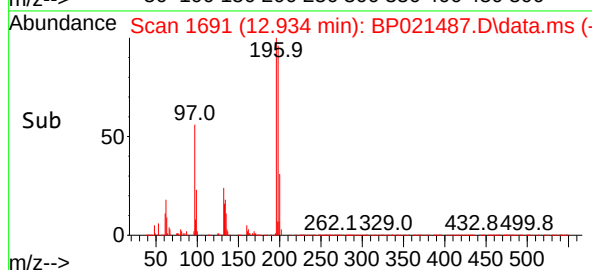
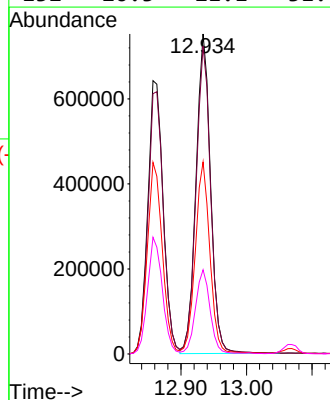
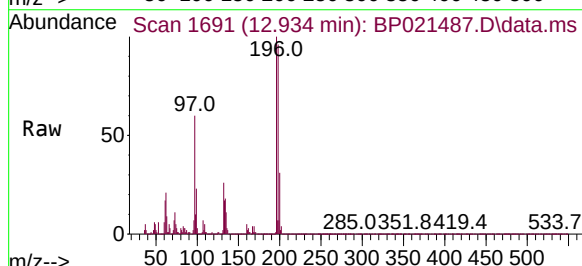
Ion Ratio Lower Upper

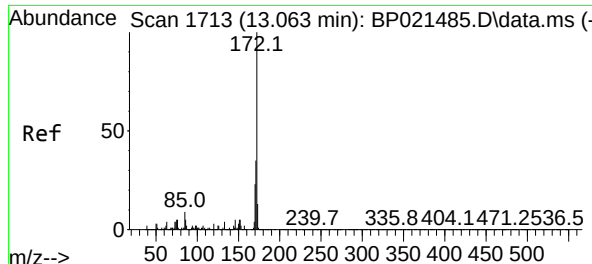
196 100

198 96.1 78.9 118.3

97 60.0 49.4 74.0

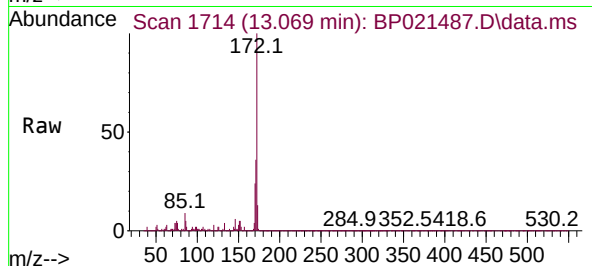
132 26.3 21.1 31.7





#45  
2-Fluorobiphenyl  
Concen: 119.833 ng  
RT: 13.069 min Scan# 1713  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

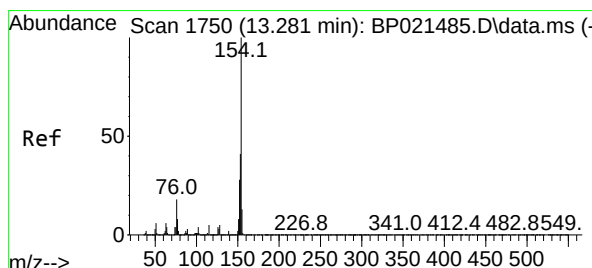
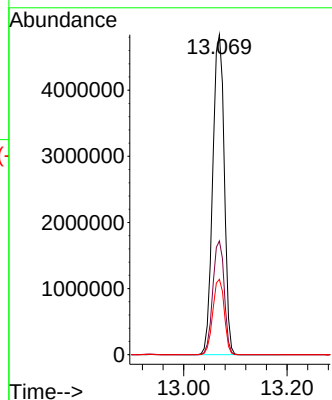
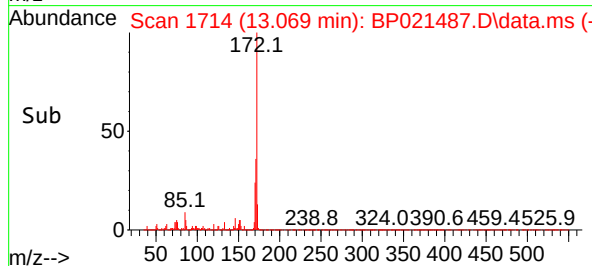
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



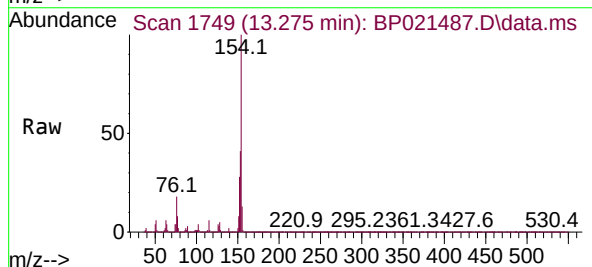
Tgt Ion:172 Resp: 7484438  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.2 42.4  
170 23.5 18.4 27.6

Manual Integrations  
APPROVED

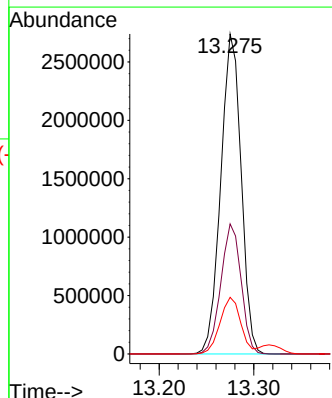
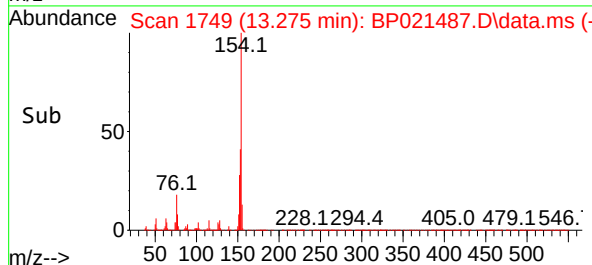
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



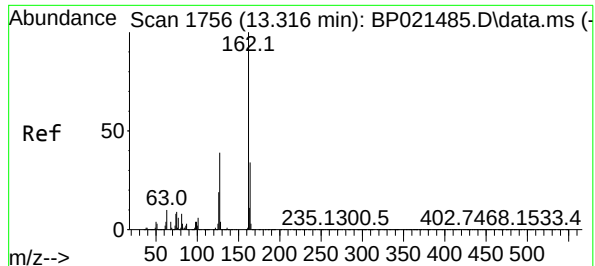
#46  
1,1'-Biphenyl  
Concen: 60.754 ng  
RT: 13.275 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53



Tgt Ion:154 Resp: 4097218  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.7 60.7  
76 17.7 0.0 37.7







#47

2-Chloronaphthalene

Concen: 61.498 ng

RT: 13.316 min Scan# 1756

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 322886

Ion Ratio Lower Upper

162 100

127 40.4 31.9 47.9

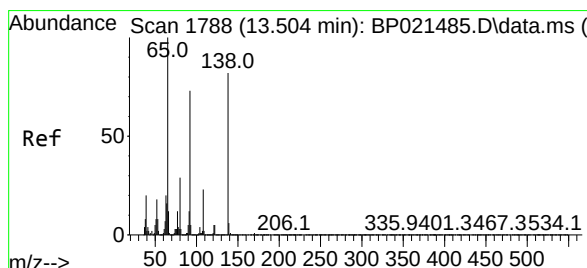
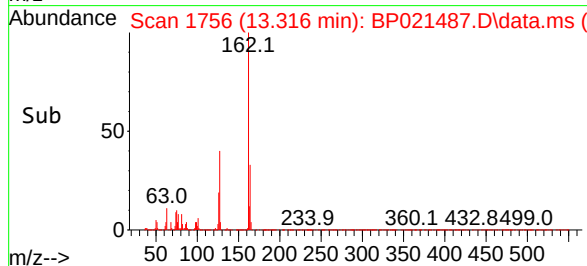
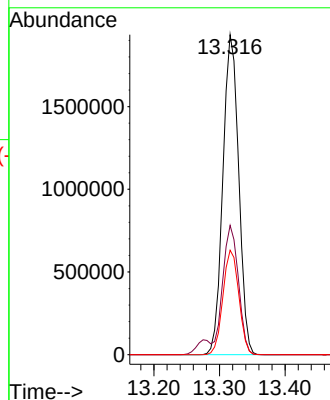
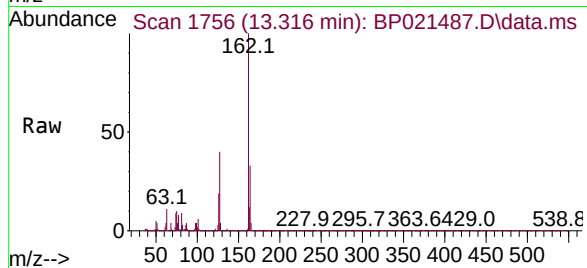
164 32.7 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 62.204 ng

RT: 13.504 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

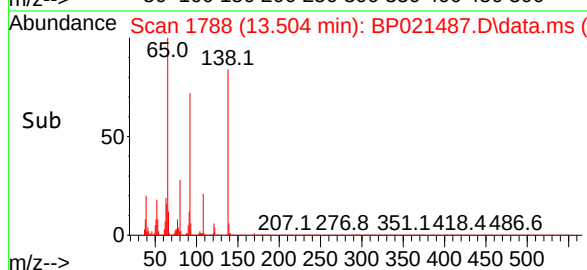
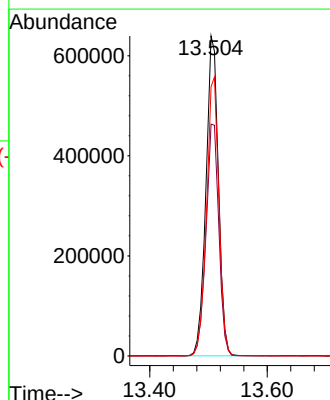
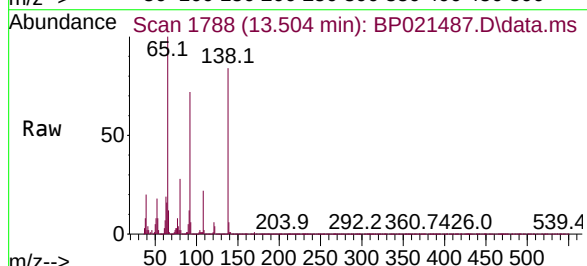
Tgt Ion: 65 Resp: 940456

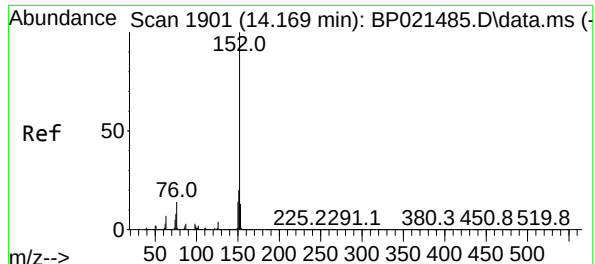
Ion Ratio Lower Upper

65 100

92 72.4 58.1 87.1

138 84.1 65.5 98.3





#49

Acenaphthylene

Concen: 60.501 ng

RT: 14.175 min Scan# 1901

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:152 Resp: 466964

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

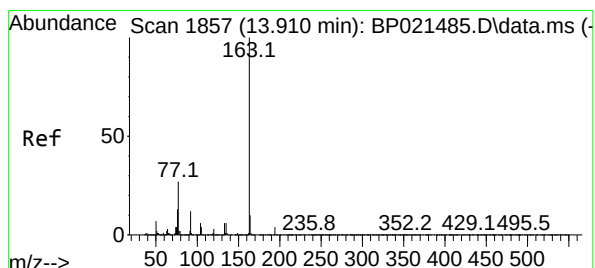
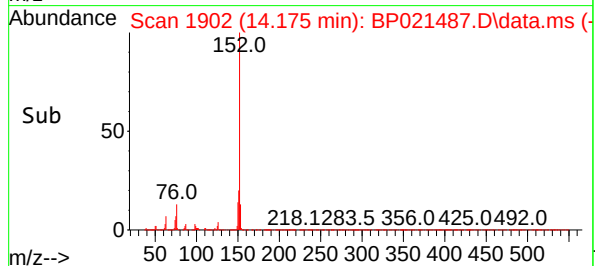
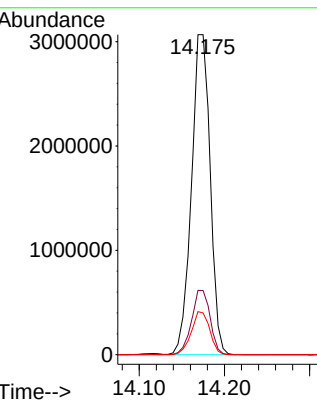
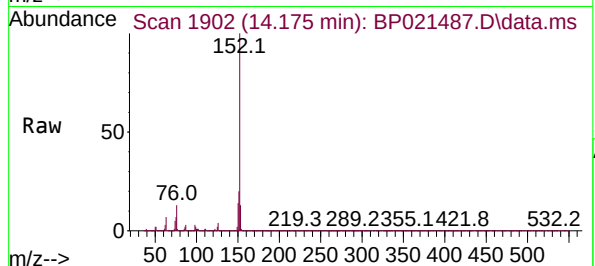
153 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 60.041 ng

RT: 13.904 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

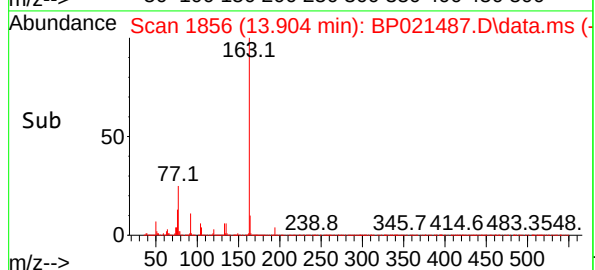
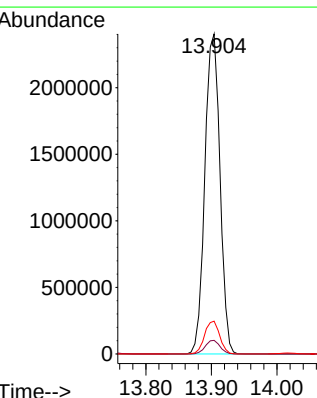
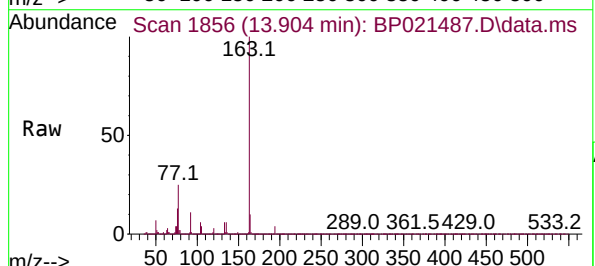
Tgt Ion:163 Resp: 3832687

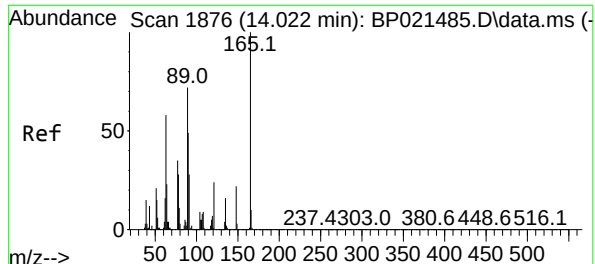
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 10.2 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 61.336 ng

RT: 14.016 min Scan# 1876

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

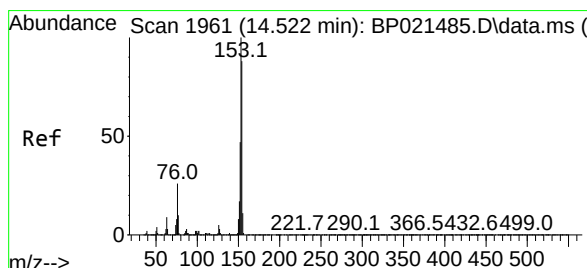
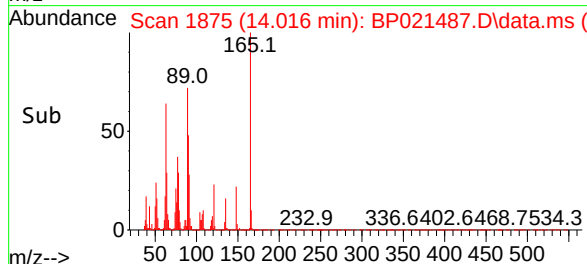
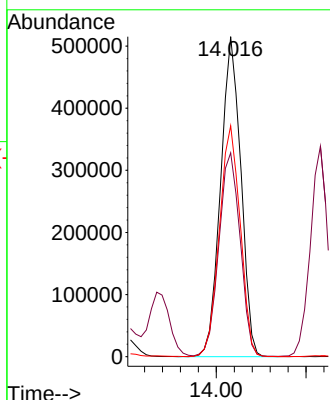
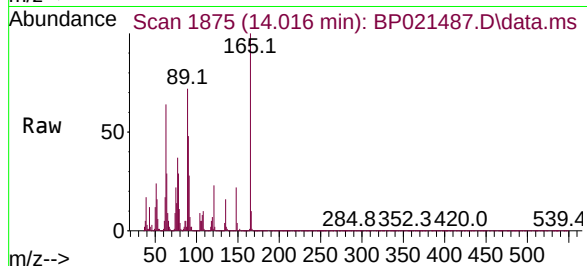
SSTDICC060

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 63.7  | 51.5  | 77.3  |
| 89      | 72.1  | 57.8  | 86.8  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#52

Acenaphthene

Concen: 60.546 ng

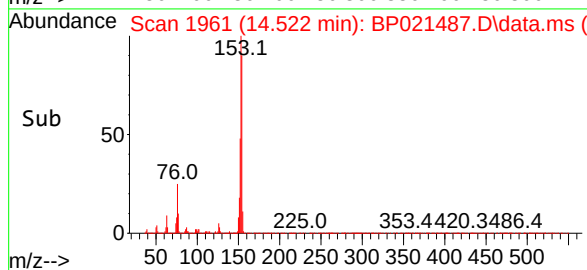
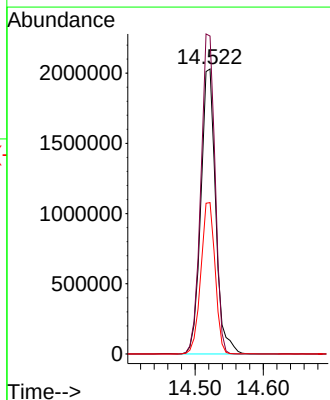
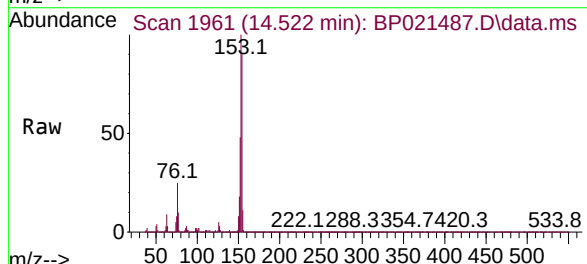
RT: 14.522 min Scan# 1961

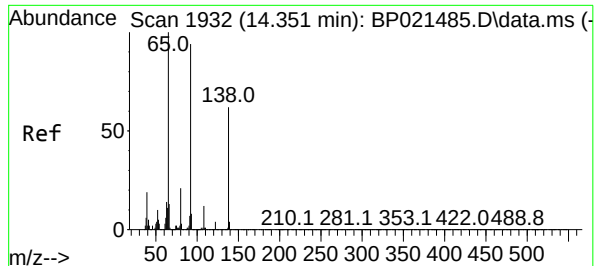
Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.6 | 91.1  | 136.7 |
| 152     | 53.1  | 43.0  | 64.4  |





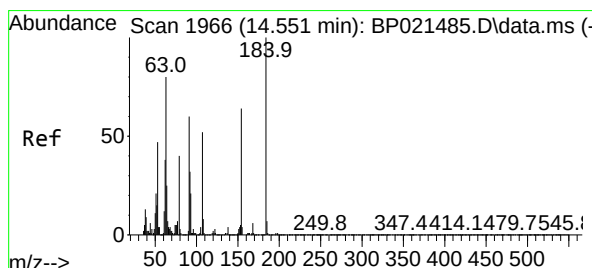
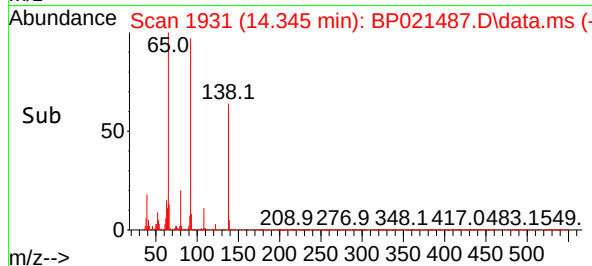
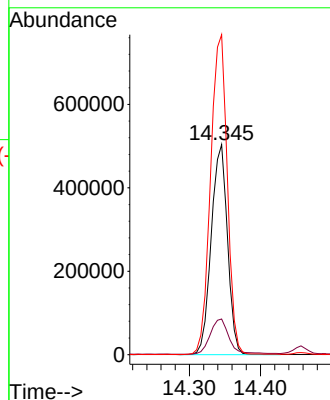
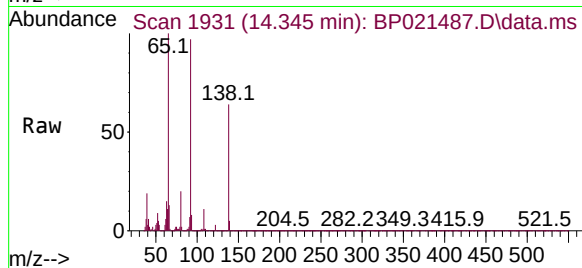
#53  
3-Nitroaniline  
Concen: 61.781 ng  
RT: 14.345 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion:138 Resp: 797905  
Ion Ratio Lower Upper  
138 100  
108 17.0 16.2 24.4  
92 152.3 122.2 183.4

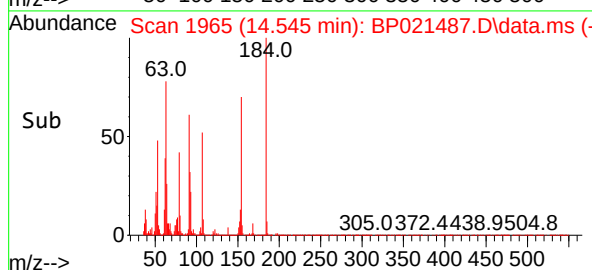
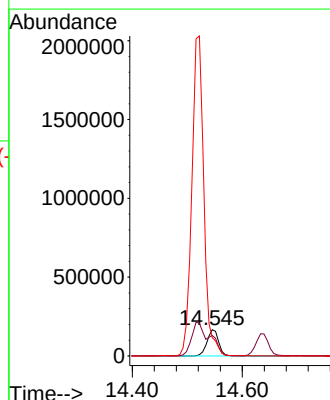
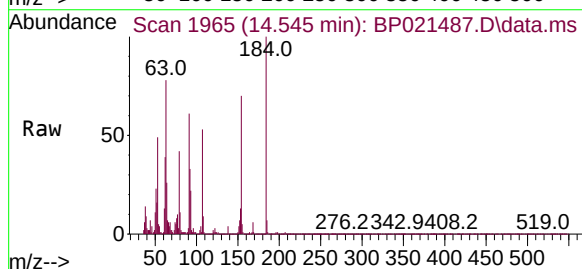
Manual Integrations  
APPROVED

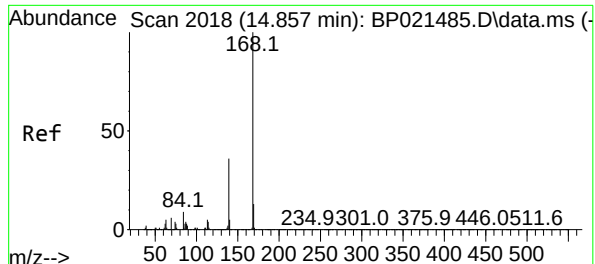
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#54  
2,4-Dinitrophenol  
Concen: 61.764 ng  
RT: 14.545 min Scan# 1965  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 242951  
Ion Ratio Lower Upper  
184 100  
63 77.9 64.9 97.3  
154 70.2 52.1 78.1





#55

Dibenzofuran

Concen: 58.970 ng

RT: 14.857 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 4594089

Ion Ratio Lower Upper

168 100

139 36.7 28.6 43.0

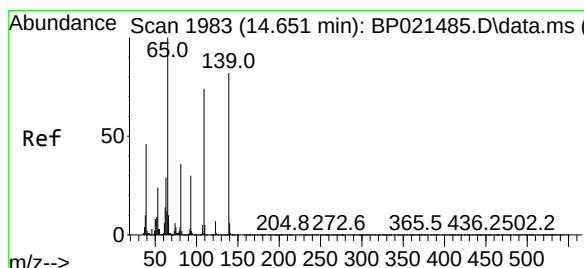
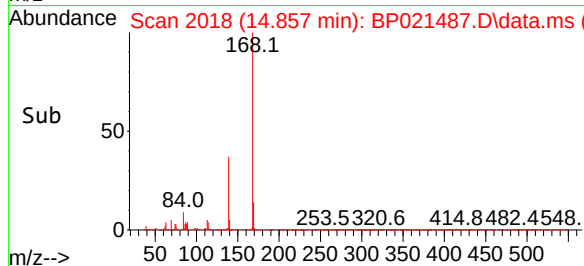
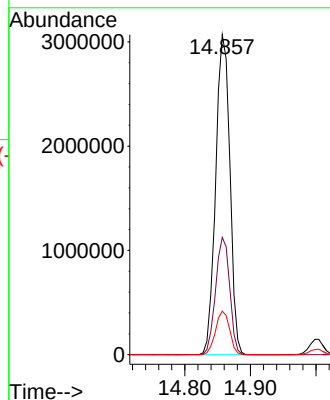
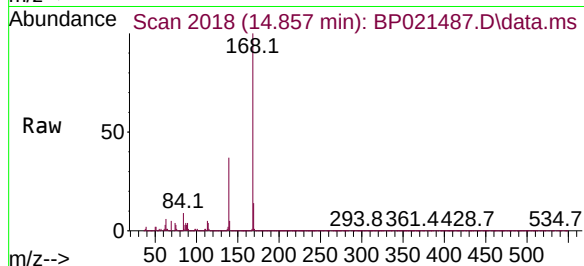
169 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#56

4-Nitrophenol

Concen: 62.066 ng

RT: 14.639 min Scan# 1981

Delta R.T. -0.012 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

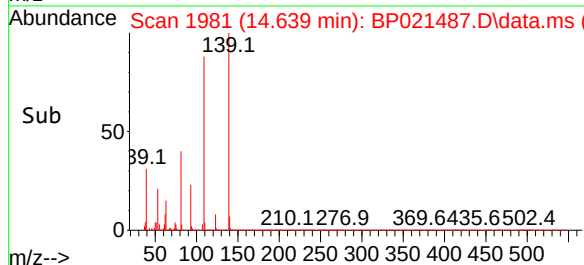
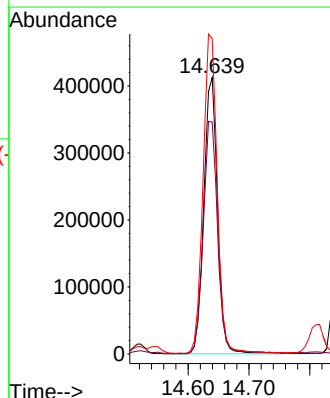
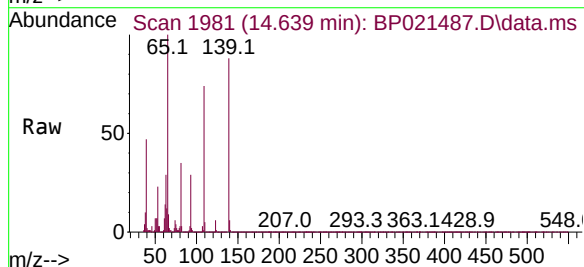
Tgt Ion:139 Resp: 644221

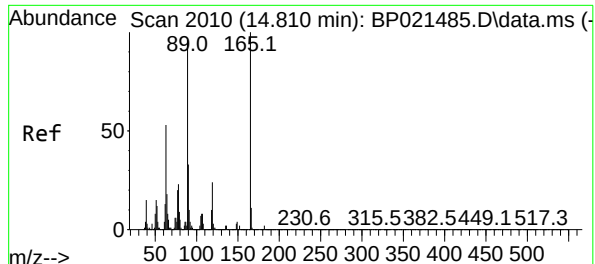
Ion Ratio Lower Upper

139 100

109 83.8 70.2 110.2

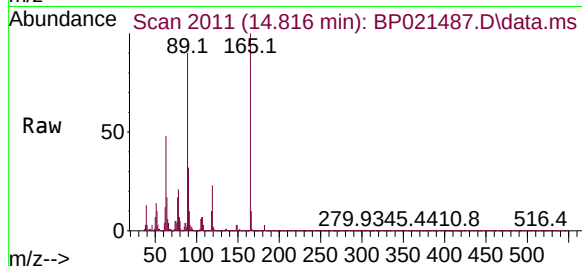
65 114.0 101.8 141.8





#57  
2,4-Dinitrotoluene  
Concen: 61.548 ng  
RT: 14.816 min Scan# 2010  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

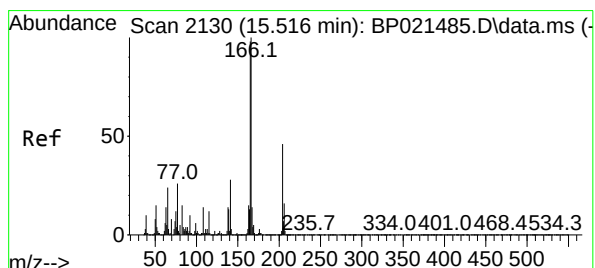
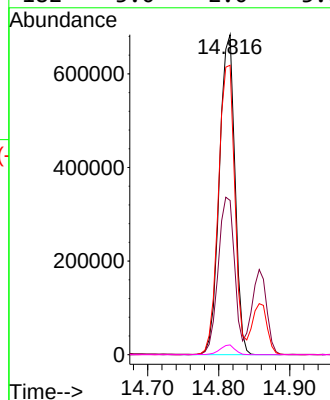
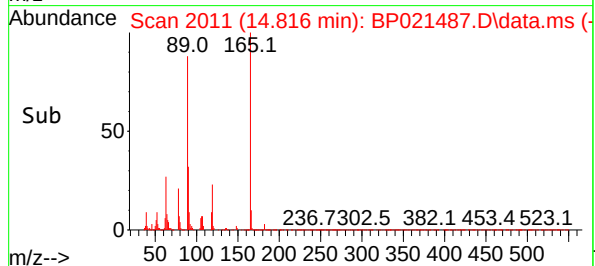
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:165 Resp: 103406  
Ion Ratio Lower Upper  
165 100  
63 48.2 42.5 63.7  
89 90.5 77.1 115.7  
182 3.0 2.0 3.0#

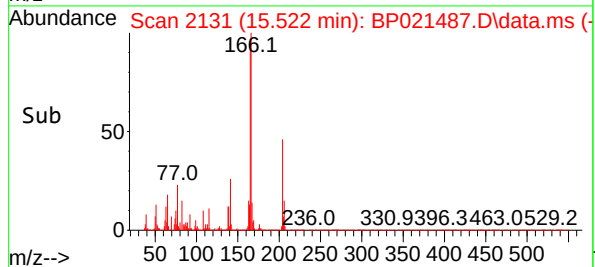
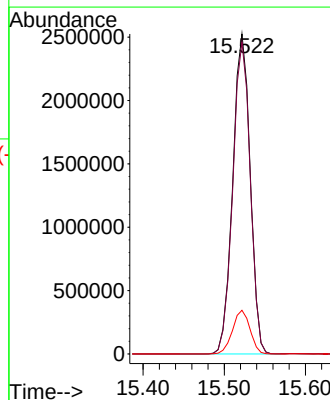
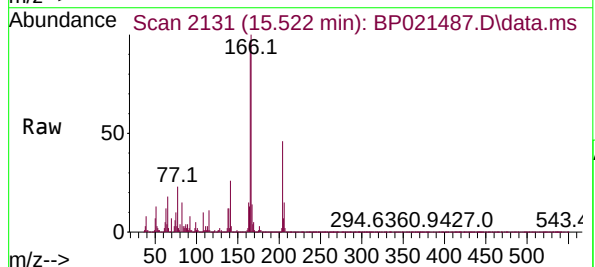
Manual Integrations  
APPROVED

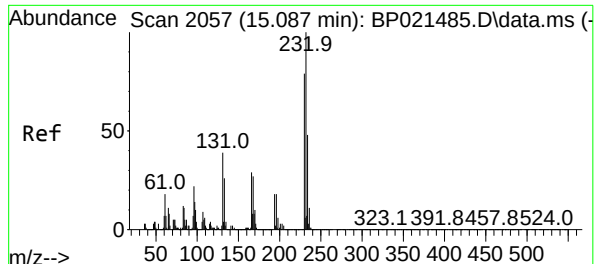
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#58  
Fluorene  
Concen: 58.748 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

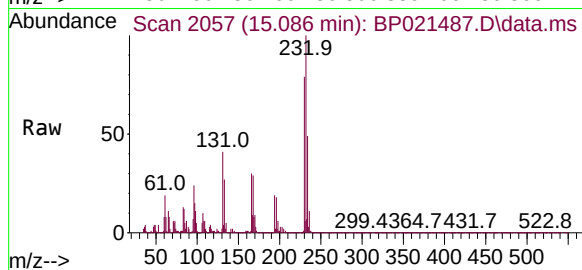
Tgt Ion:166 Resp: 3759913  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.1 117.1  
167 13.6 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 66.550 ng  
RT: 15.086 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

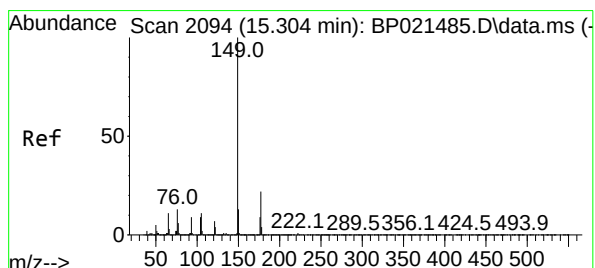
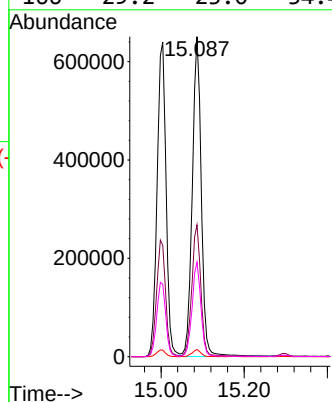
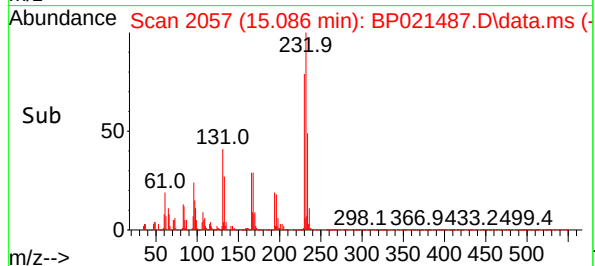
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:232 Resp: 97364  
Ion Ratio Lower Upper  
232 100  
131 41.0 33.1 49.7  
130 2.2 1.7 2.5  
166 29.2 23.0 34.4

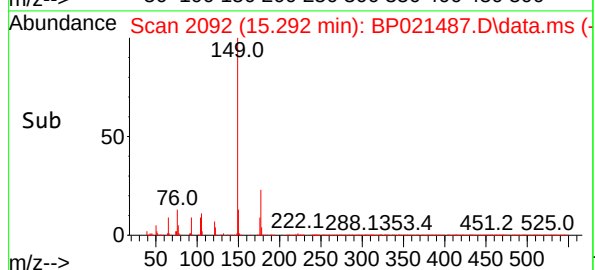
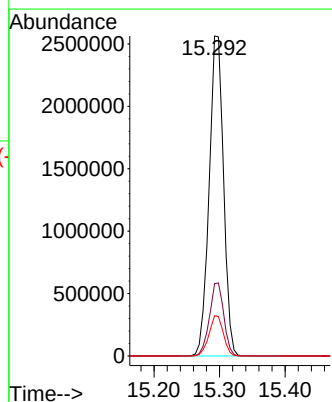
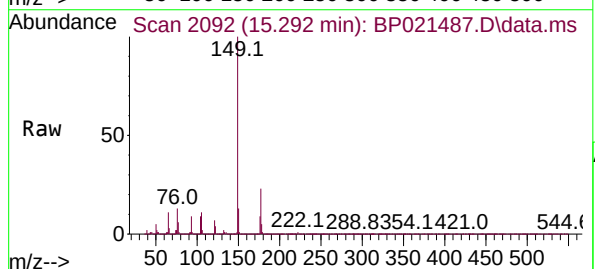
Manual Integrations  
APPROVED

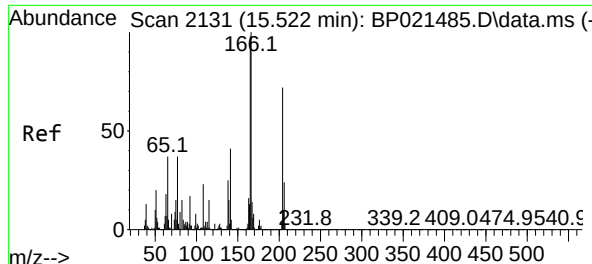
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#60  
Diethylphthalate  
Concen: 59.713 ng  
RT: 15.292 min Scan# 2092  
Delta R.T. -0.012 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

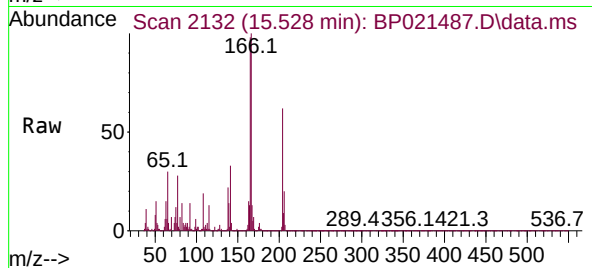
Tgt Ion:149 Resp: 3911032  
Ion Ratio Lower Upper  
149 100  
177 22.6 17.8 26.8  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 58.814 ng  
RT: 15.528 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

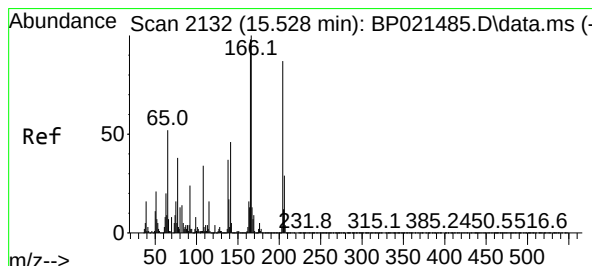
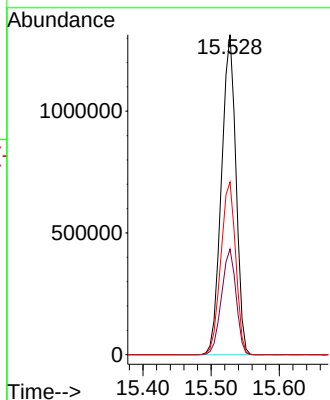
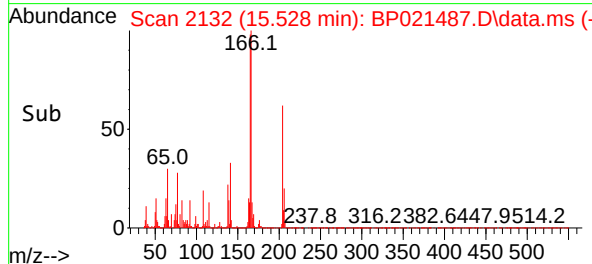
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:204 Resp: 1945714  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.4 39.6  
141 53.9 46.1 69.1

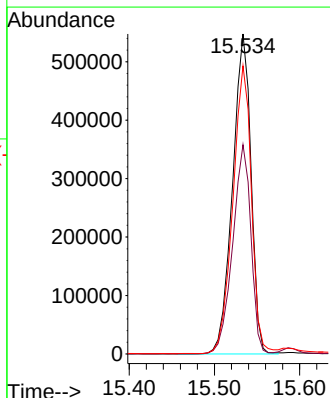
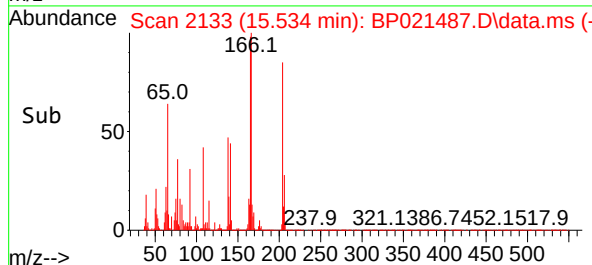
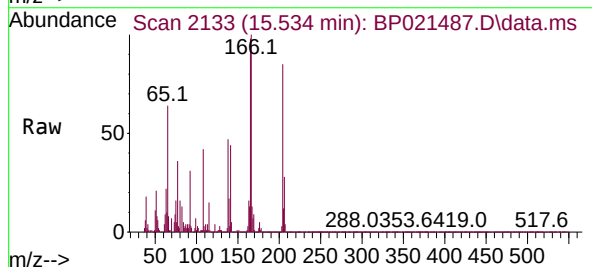
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

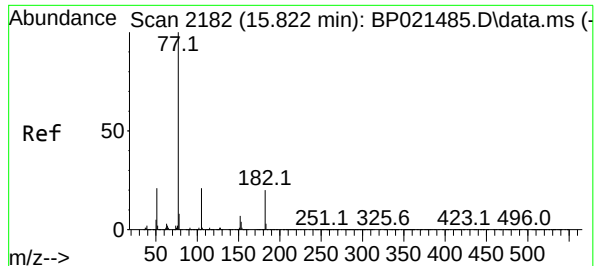


#62  
4-Nitroaniline  
Concen: 62.407 ng  
RT: 15.534 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 824354  
Ion Ratio Lower Upper  
138 100  
92 65.4 46.4 86.4  
108 90.0 73.2 113.2

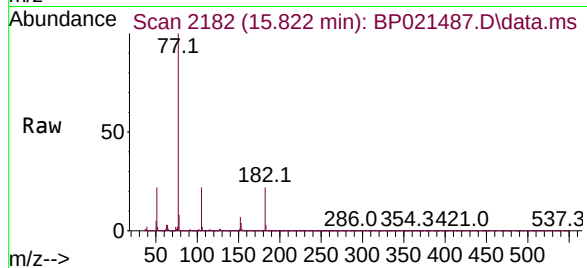






#63  
Azobenzene  
Concen: 58.524 ng  
RT: 15.822 min Scan# 2182  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

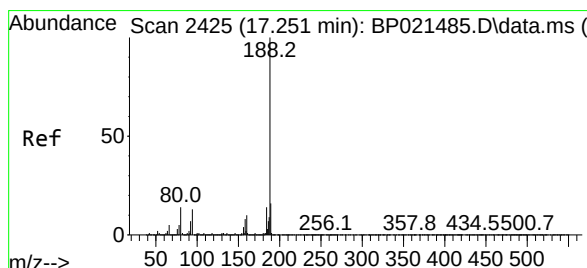
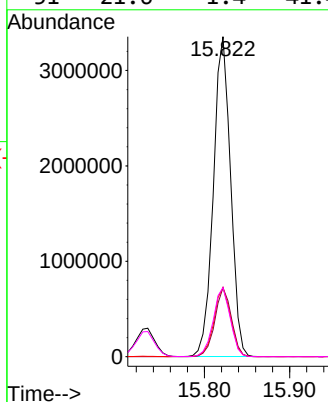
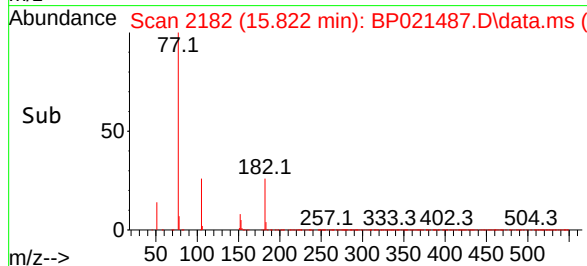
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion: 77 Resp: 4711824  
Ion Ratio Lower Upper  
77 100  
182 21.5 0.0 39.9  
105 21.6 0.9 40.9  
51 21.6 1.4 41.4

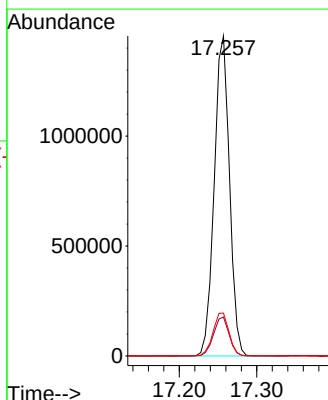
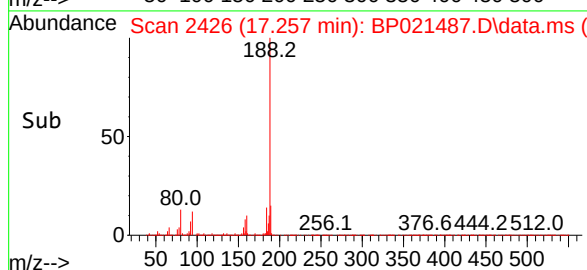
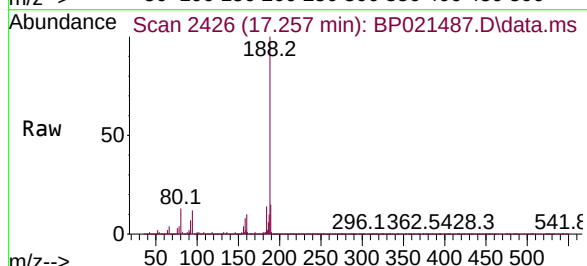
Manual Integrations  
APPROVED

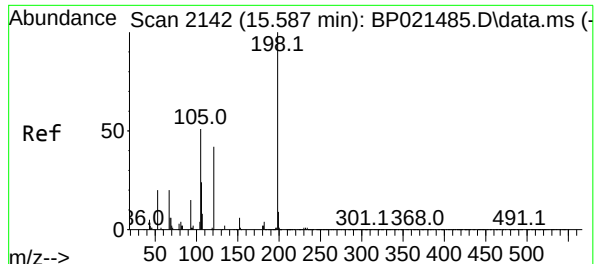
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:188 Resp: 1991489  
Ion Ratio Lower Upper  
188 100  
94 12.1 10.2 15.4  
80 13.4 11.6 17.4





#65

4,6-Dinitro-2-methylphenol

Concen: 61.846 ng

RT: 15.586 min Scan# 2142

Delta R.T. -0.001 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:198 Resp: 410090

Ion Ratio Lower Upper

198 100

51 42.9 21.5 61.5

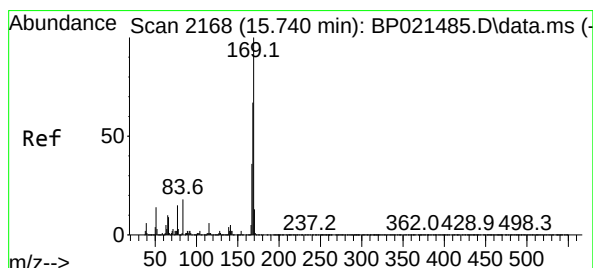
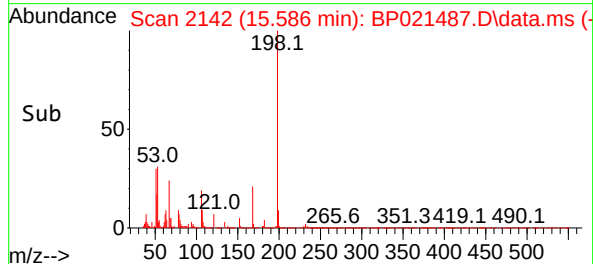
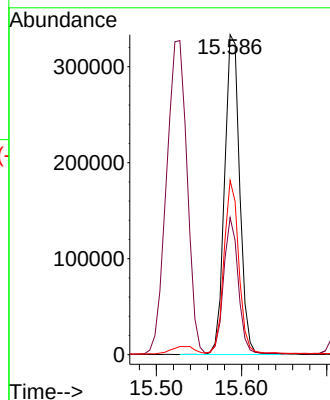
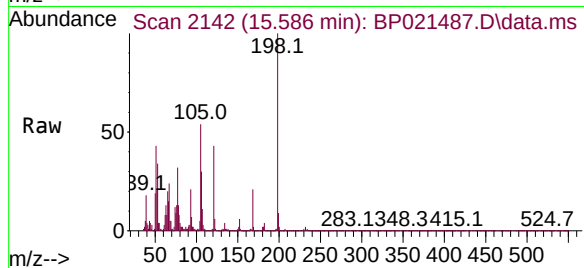
105 54.5 32.9 72.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#66

n-Nitrosodiphenylamine

Concen: 59.821 ng

RT: 15.734 min Scan# 2167

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

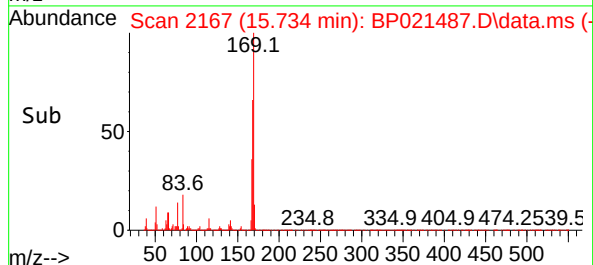
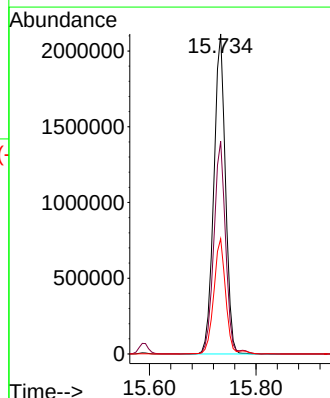
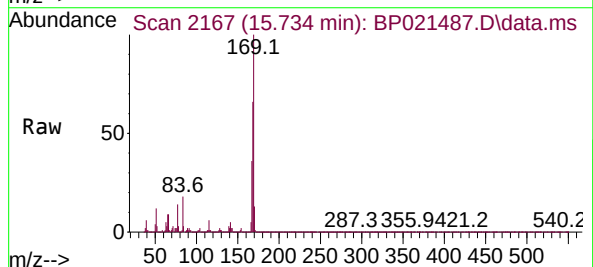
Tgt Ion:169 Resp: 3192615

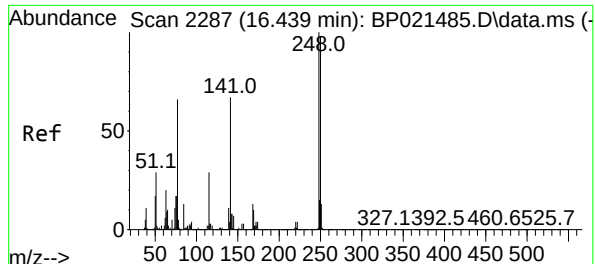
Ion Ratio Lower Upper

169 100

168 66.5 53.4 80.2

167 36.0 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 61.016 ng

RT: 16.433 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:248 Resp: 128604

Ion Ratio Lower Upper

248 100

250 98.4 78.6 117.8

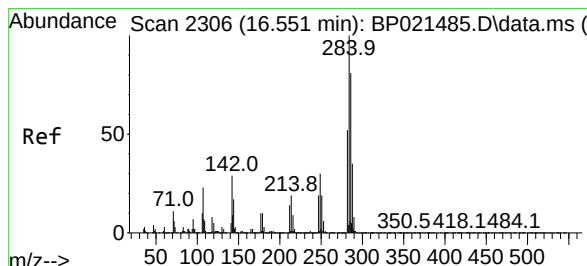
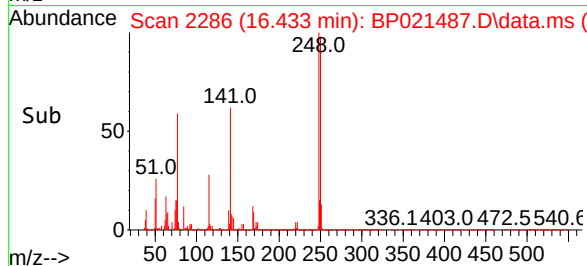
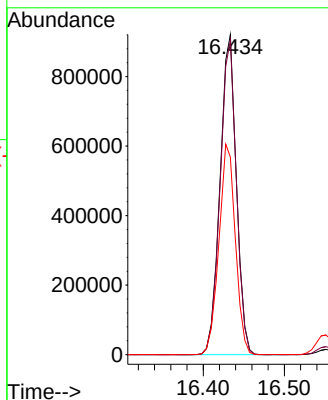
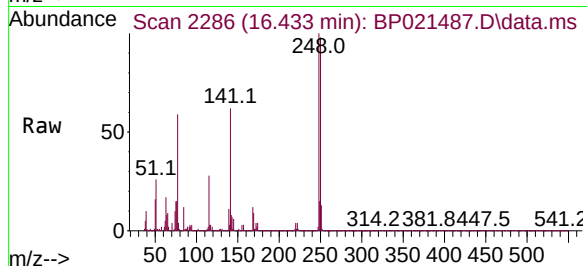
141 61.7 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 60.456 ng

RT: 16.551 min Scan# 2306

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

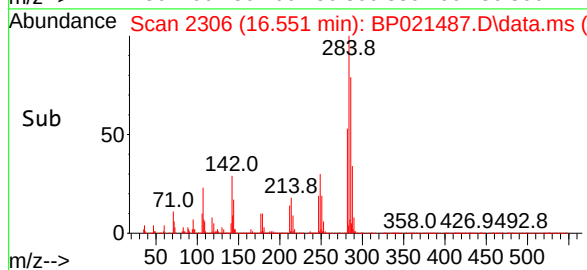
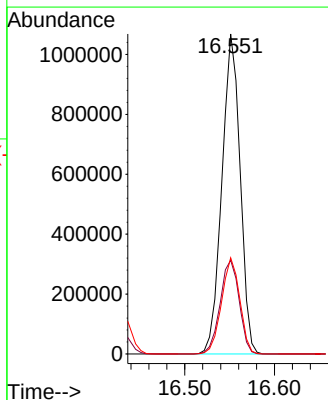
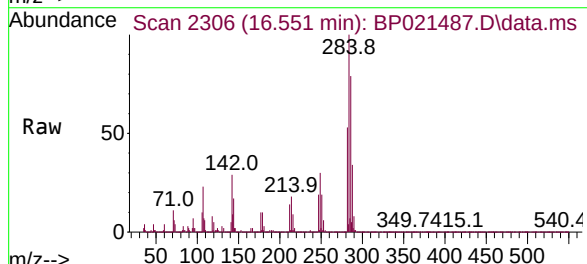
Tgt Ion:284 Resp: 1505847

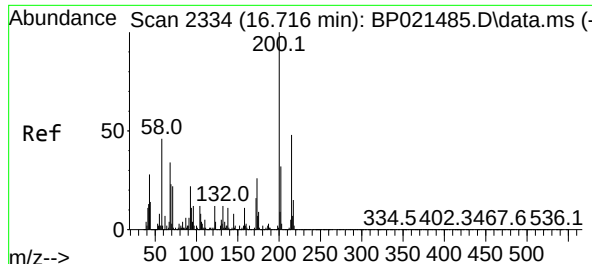
Ion Ratio Lower Upper

284 100

142 29.3 23.4 35.2

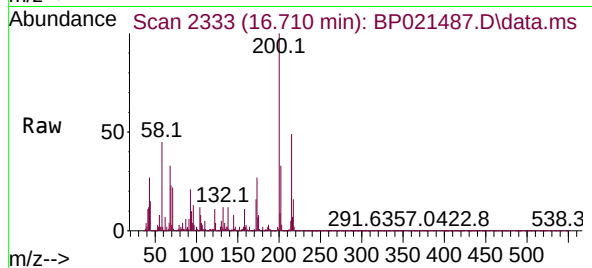
249 30.1 24.1 36.1





#69  
Atrazine  
Concen: 59.397 ng  
RT: 16.710 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

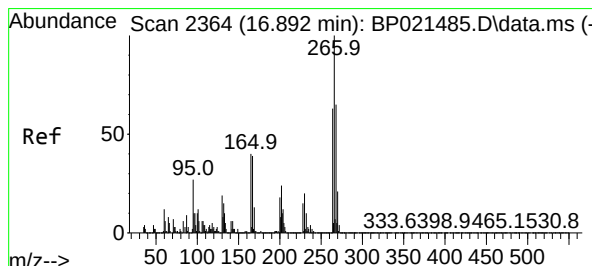
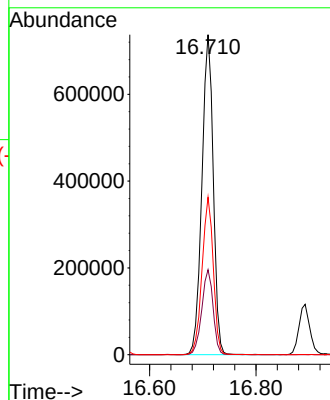
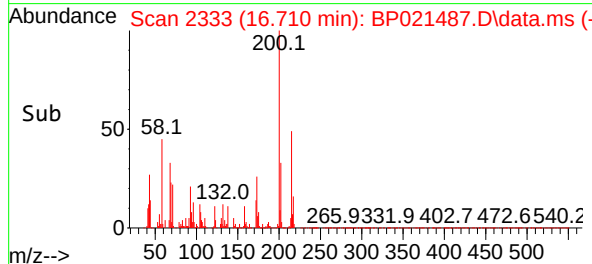
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:200 Resp: 108834  
Ion Ratio Lower Upper  
200 100  
173 26.6 6.2 46.2  
215 49.2 28.4 68.4

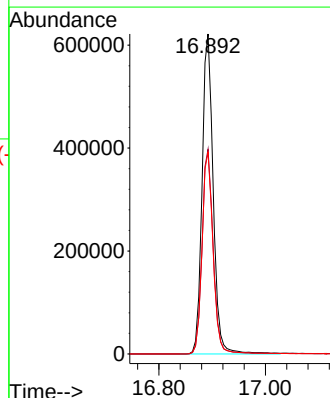
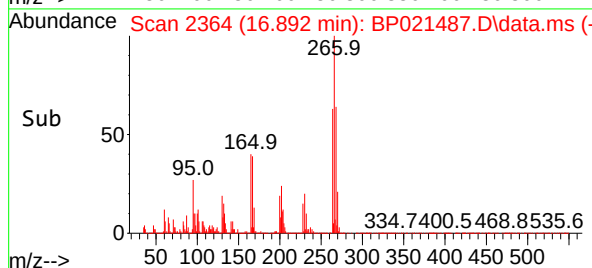
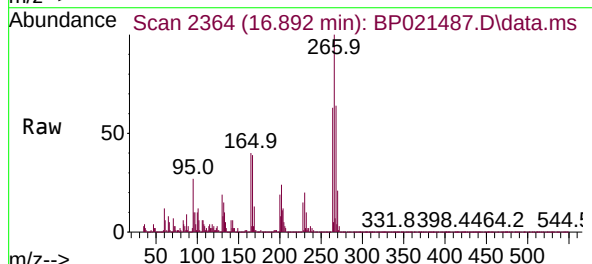
Manual Integrations  
APPROVED

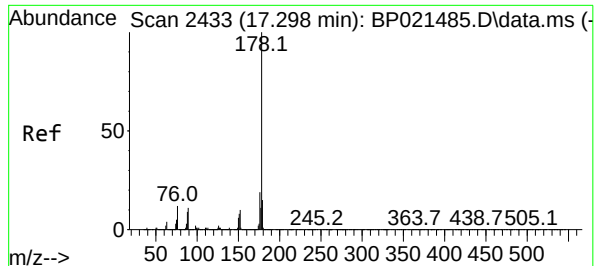
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#70  
Pentachlorophenol  
Concen: 66.192 ng  
RT: 16.892 min Scan# 2364  
Delta R.T. 0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

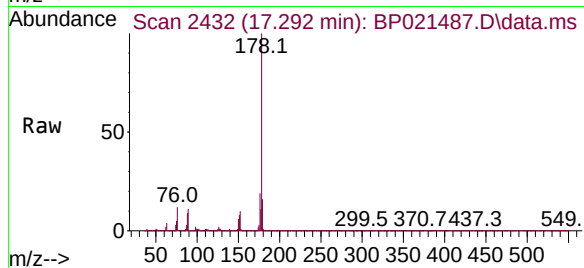
Tgt Ion:266 Resp: 899879  
Ion Ratio Lower Upper  
266 100  
268 63.9 51.8 77.6  
264 63.1 50.5 75.7





#71  
Phenanthrene  
Concen: 59.366 ng  
RT: 17.292 min Scan# 2449  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

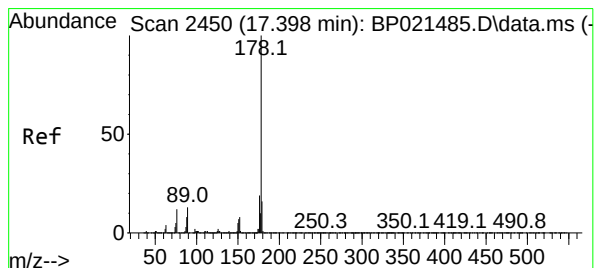
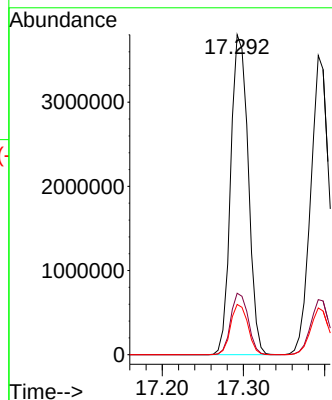
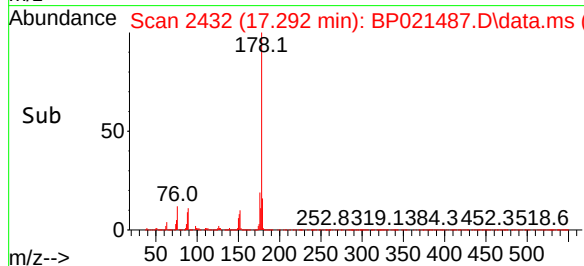
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:178 Resp: 5685784  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.2  
179 15.7 12.4 18.6

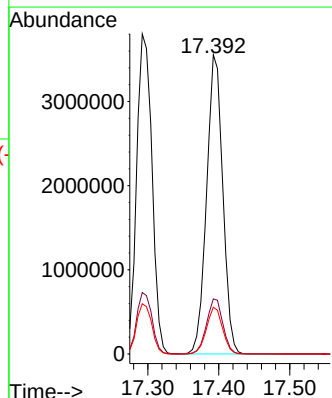
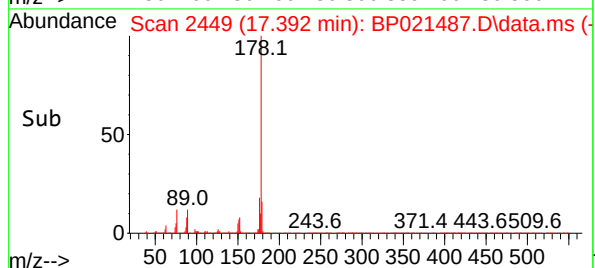
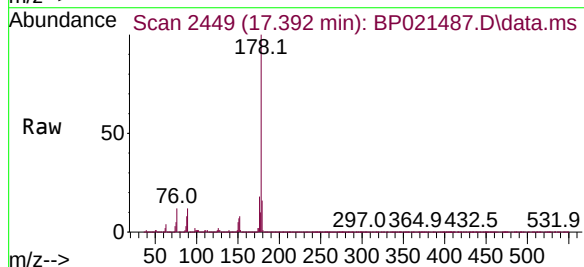
Manual Integrations  
APPROVED

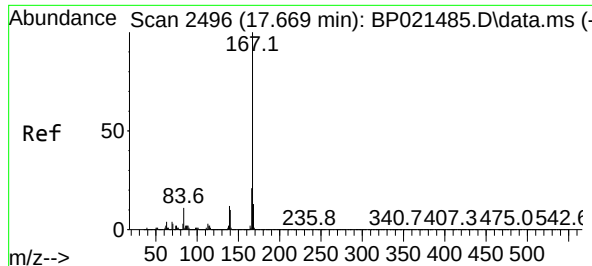
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 60.013 ng  
RT: 17.392 min Scan# 2449  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

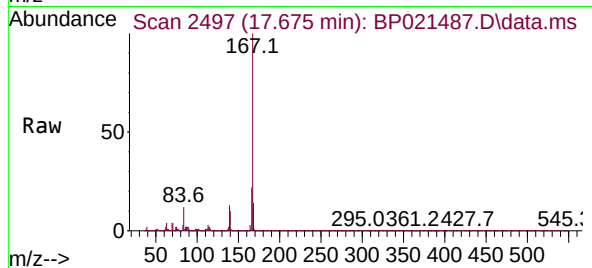
Tgt Ion:178 Resp: 5636907  
Ion Ratio Lower Upper  
178 100  
176 18.4 14.9 22.3  
179 15.6 12.5 18.7





#73  
Carbazole  
Concen: 60.260 ng  
RT: 17.675 min Scan# 2497  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

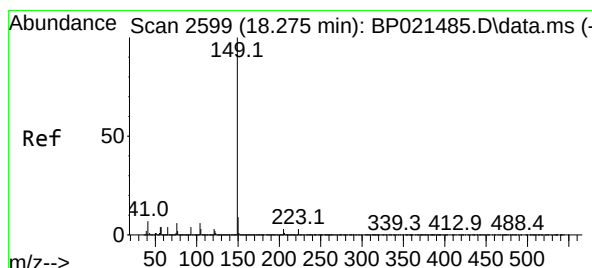
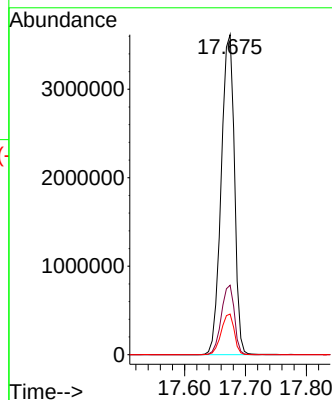
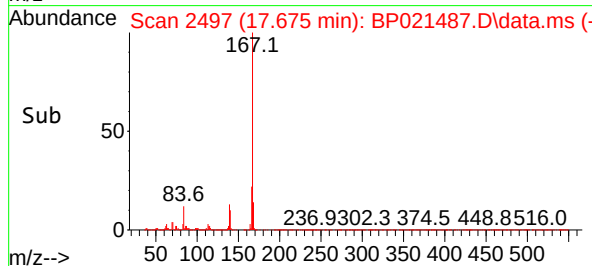
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:167 Resp: 545482  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.0 25.4  
139 12.7 9.9 14.9

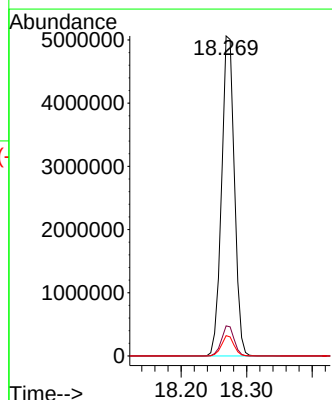
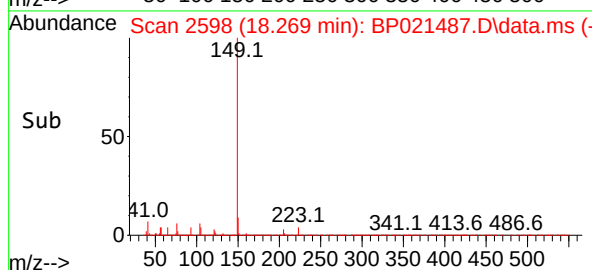
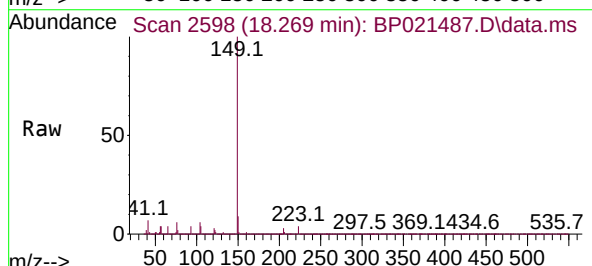
Manual Integrations  
APPROVED

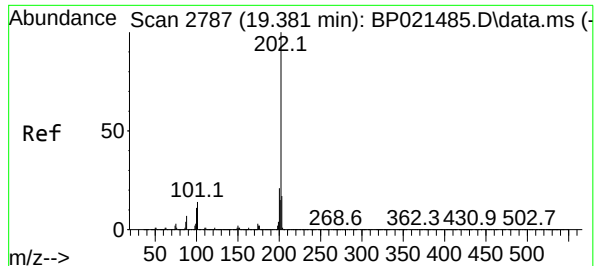
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 61.477 ng  
RT: 18.269 min Scan# 2598  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

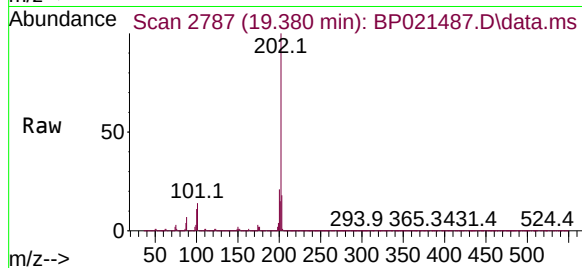
Tgt Ion:149 Resp: 6834417  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.5 11.3  
104 6.4 4.9 7.3





#75  
Fluoranthene  
Concen: 59.949 ng  
RT: 19.380 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

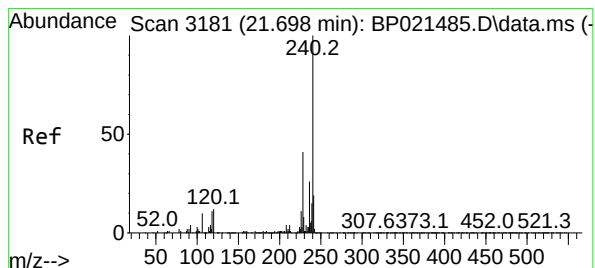
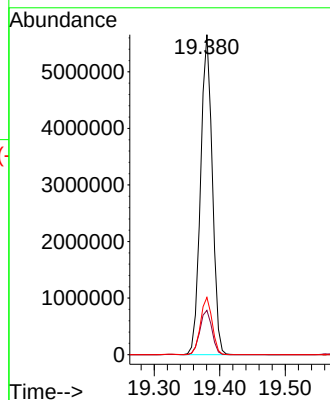
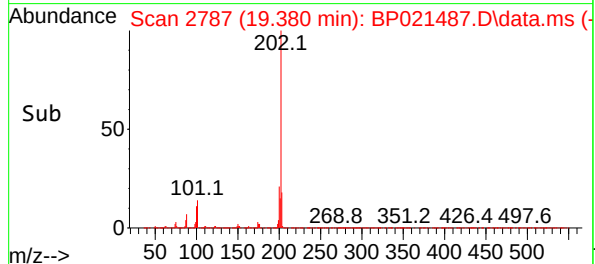
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC060



Tgt Ion: 202 Resp: 704490  
Ion Ratio Lower Upper  
202 100  
101 13.9 0.0 34.0  
203 17.9 0.0 37.5

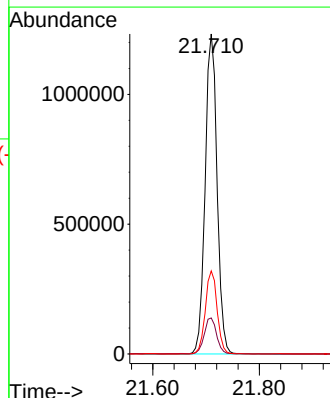
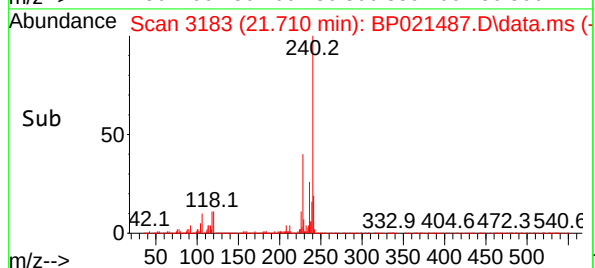
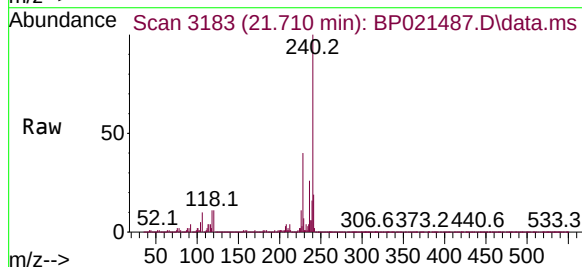
Manual Integrations  
APPROVED

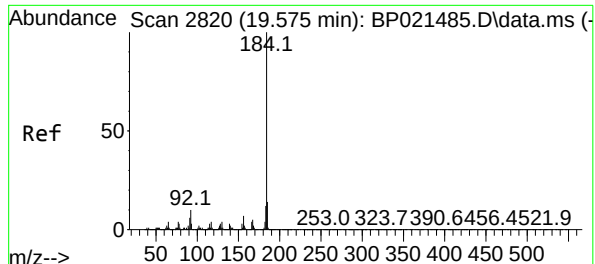
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.710 min Scan# 3183  
Delta R.T. 0.012 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

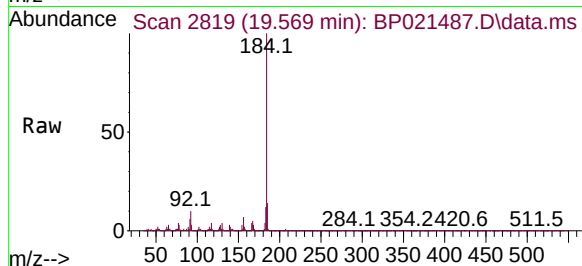
Tgt Ion: 240 Resp: 1907005  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.9 14.9  
236 26.0 20.6 30.8





#77  
Benzidine  
Concen: 54.599 ng  
RT: 19.569 min Scan# 2819  
Delta R.T. -0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

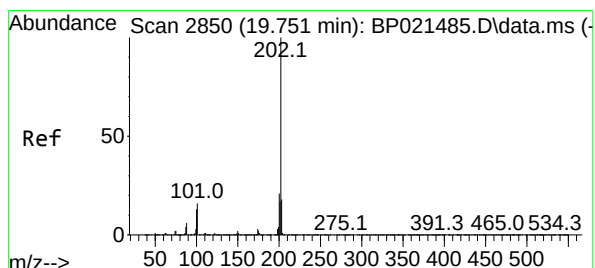
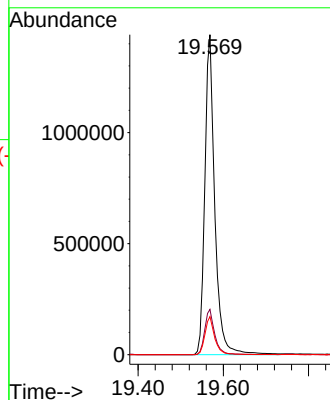
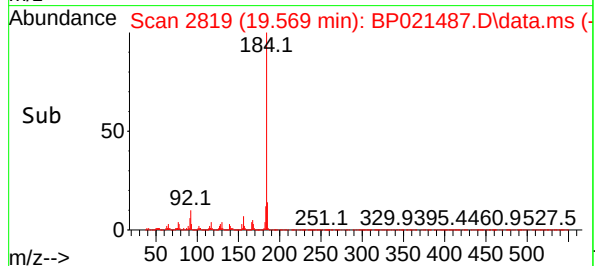
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:184 Resp: 2334830  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.4 17.0  
183 11.9 9.3 13.9

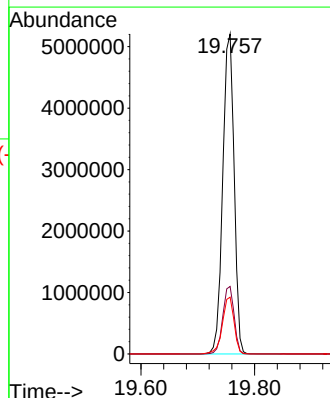
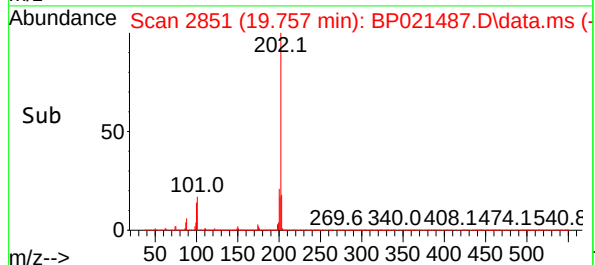
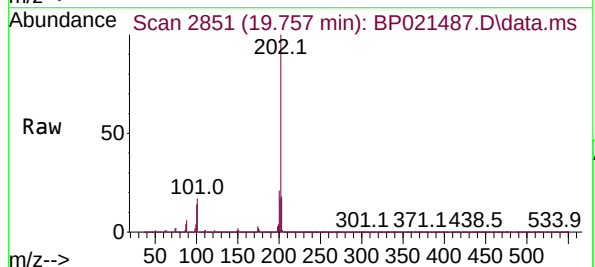
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

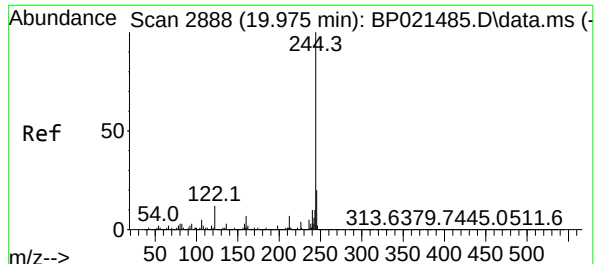


#78  
Pyrene  
Concen: 58.277 ng  
RT: 19.757 min Scan# 2851  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 7263907  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.7 25.1  
203 17.7 14.1 21.1

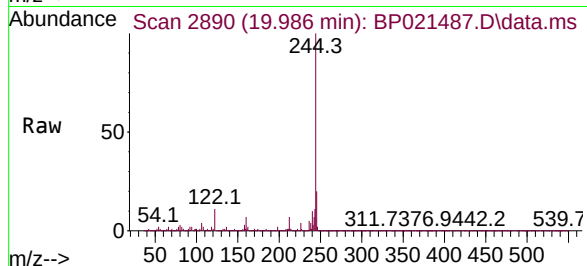






#79  
Terphenyl-d14  
Concen: 115.877 ng  
RT: 19.986 min Scan# 2888  
Delta R.T. 0.011 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

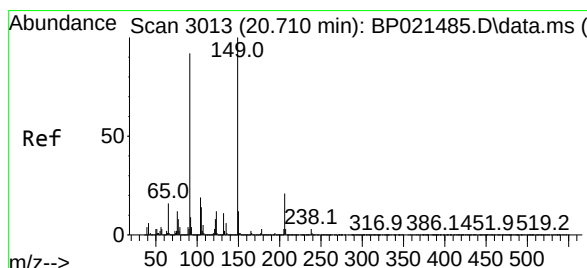
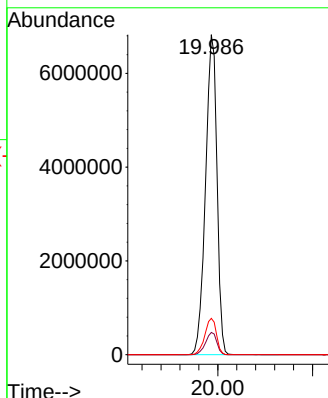
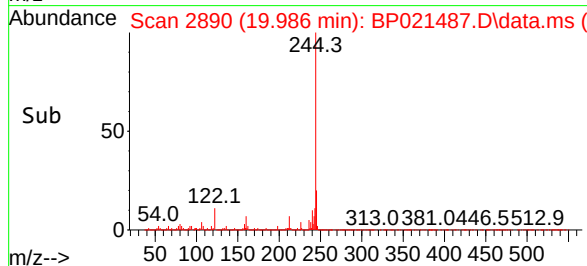
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:244 Resp:11374620  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 11.3 9.4 14.2

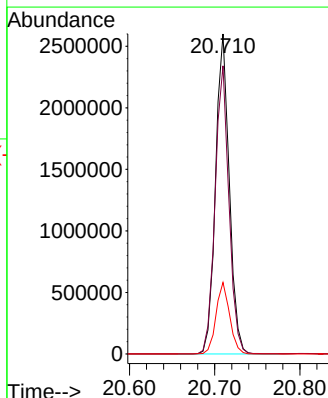
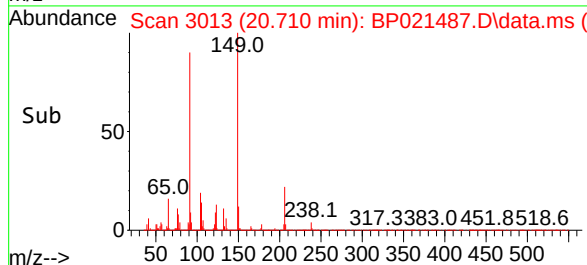
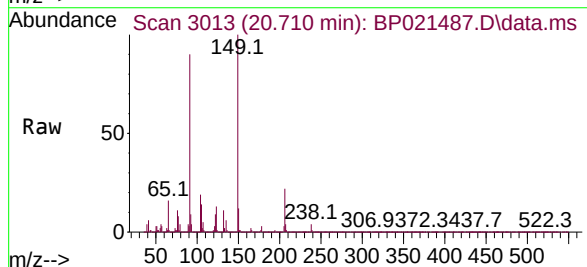
Manual Integrations  
APPROVED

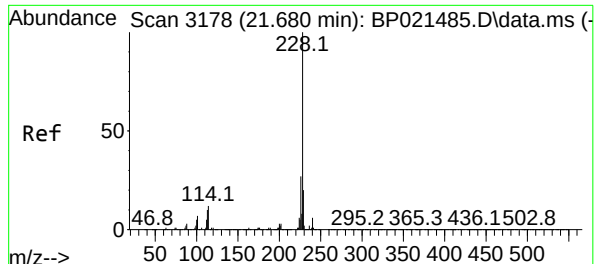
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#80  
Butylbenzylphthalate  
Concen: 60.438 ng  
RT: 20.710 min Scan# 3013  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

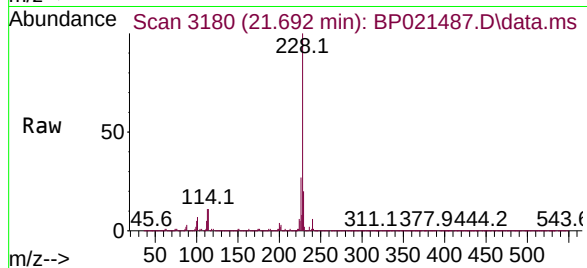
Tgt Ion:149 Resp: 2906885  
Ion Ratio Lower Upper  
149 100  
91 90.1 73.3 109.9  
206 22.3 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 59.472 ng  
RT: 21.692 min Scan# 3178  
Delta R.T. 0.012 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

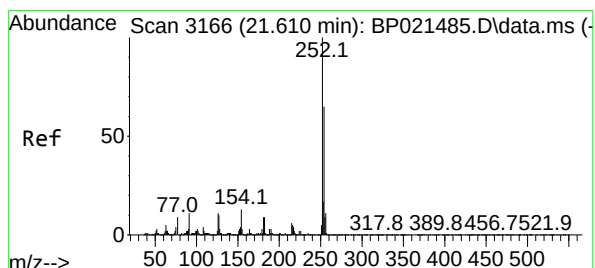
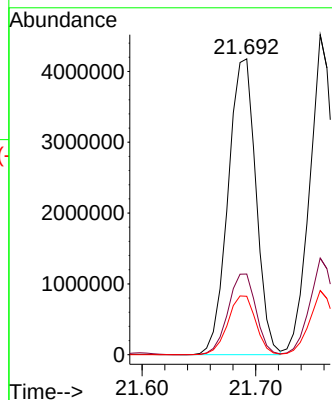
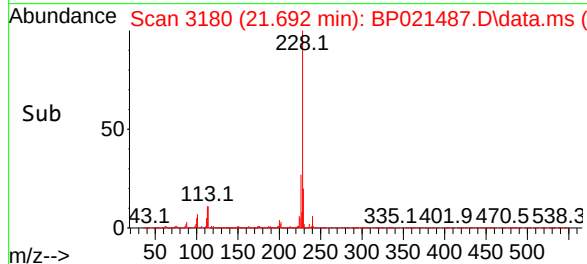
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:228 Resp: 7119658  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.4 32.2  
229 19.8 15.8 23.6

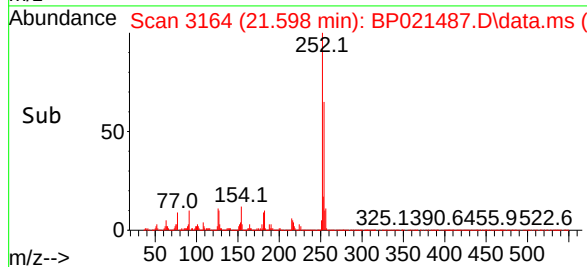
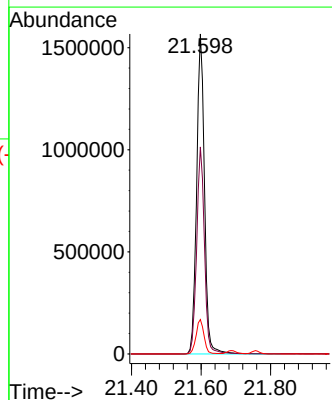
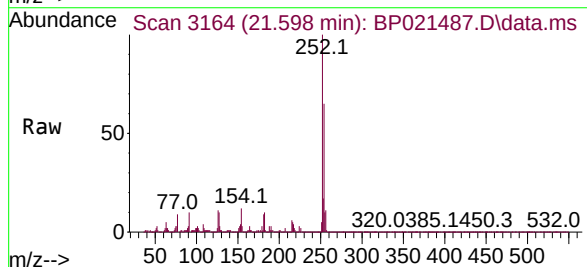
Manual Integrations  
APPROVED

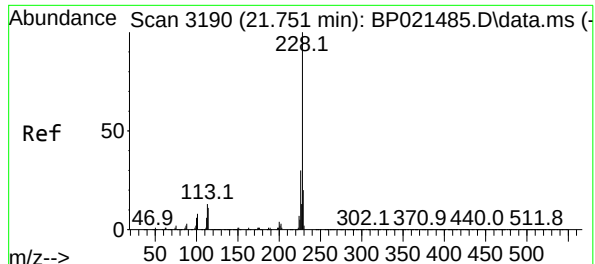
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 63.969 ng  
RT: 21.598 min Scan# 3164  
Delta R.T. -0.012 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

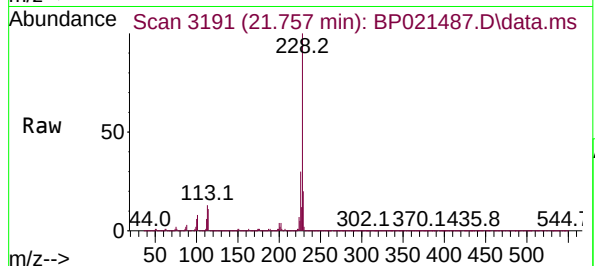
Tgt Ion:252 Resp: 2455338  
Ion Ratio Lower Upper  
252 100  
254 64.7 51.7 77.5  
126 10.8 8.7 13.1





#83  
Chrysene  
Concen: 59.831 ng  
RT: 21.757 min Scan# 3190  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

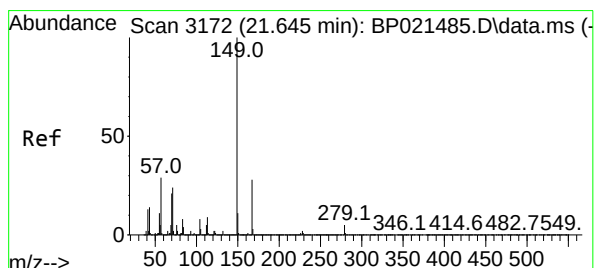
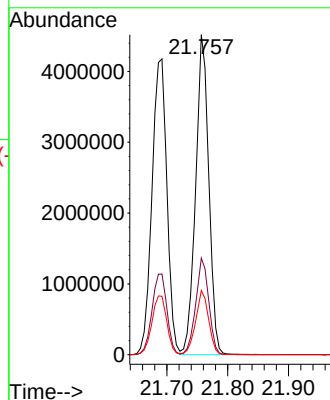
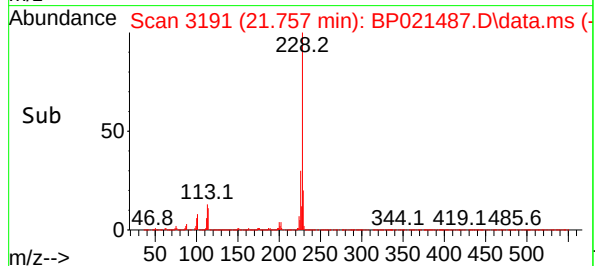
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion: 228 Resp: 676256  
Ion Ratio Lower Upper  
228 100  
226 30.2 23.9 35.9  
229 20.1 15.8 23.6

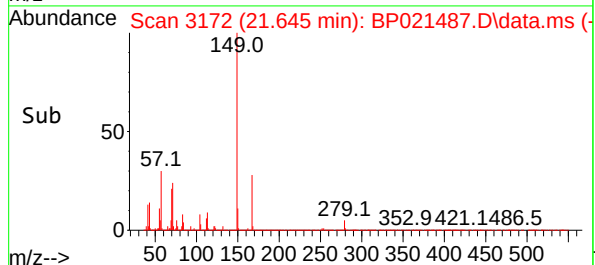
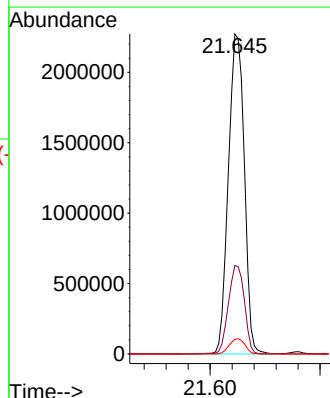
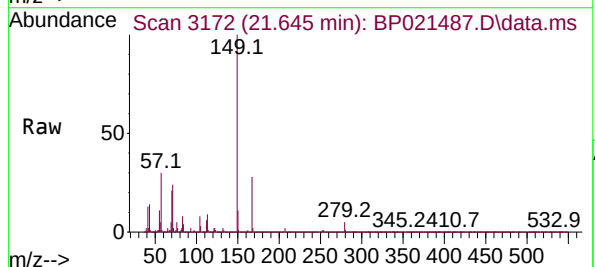
Manual Integrations  
APPROVED

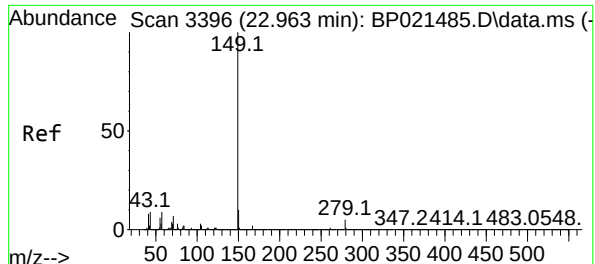
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 64.685 ng  
RT: 21.645 min Scan# 3172  
Delta R.T. -0.000 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

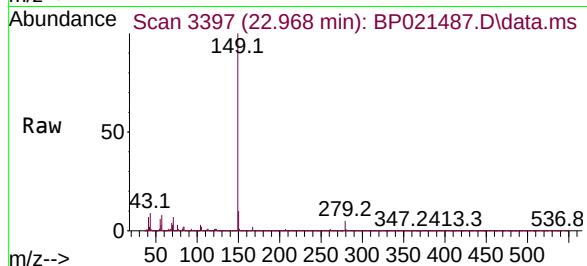
Tgt Ion: 149 Resp: 4576797  
Ion Ratio Lower Upper  
149 100  
167 27.7 22.3 33.5  
279 4.6 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 59.983 ng  
RT: 22.968 min Scan# 31  
Delta R.T. 0.005 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

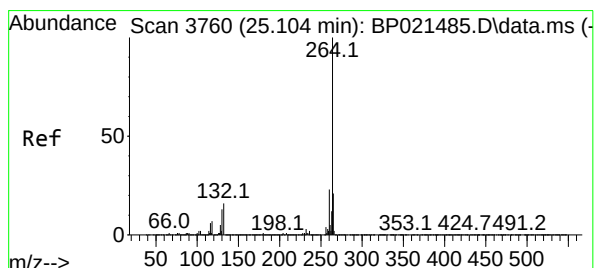
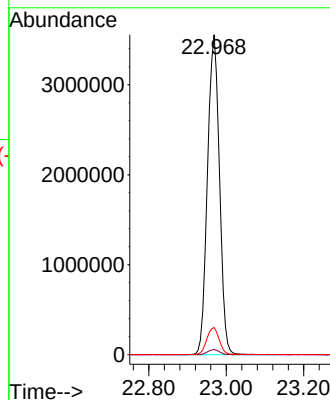
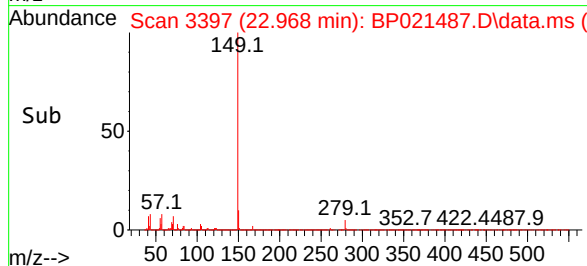
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion:149 Resp: 762220  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.7 7.3 10.9

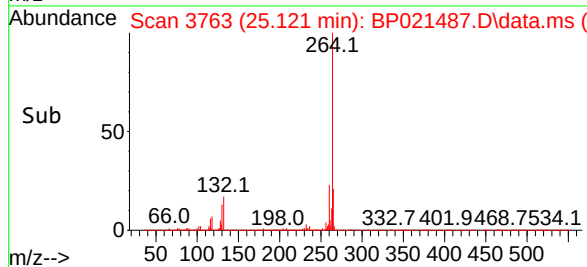
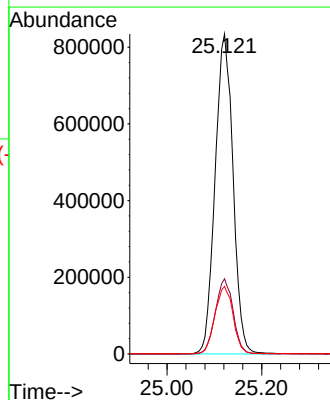
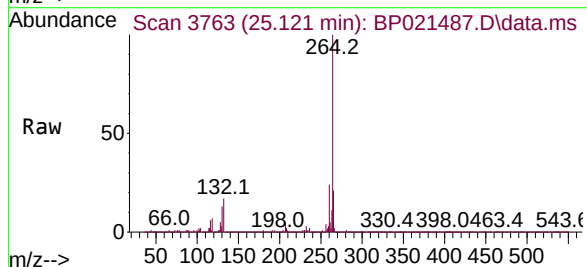
Manual Integrations  
APPROVED

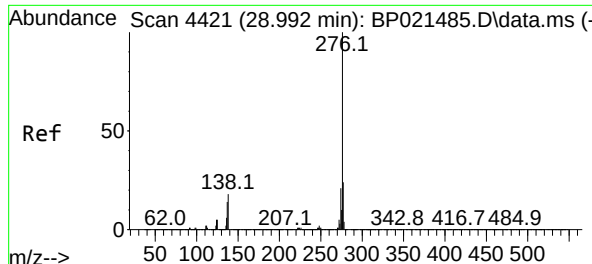
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.121 min Scan# 3763  
Delta R.T. 0.018 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

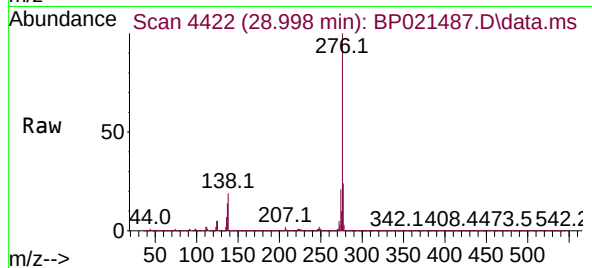
Tgt Ion:264 Resp: 2191159  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.6 28.0  
265 21.1 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 64.078 ng m  
RT: 28.998 min Scan# 4421  
Delta R.T. 0.006 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

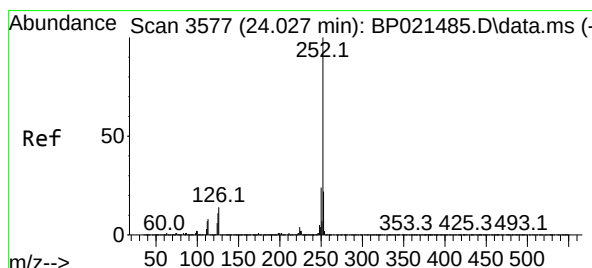
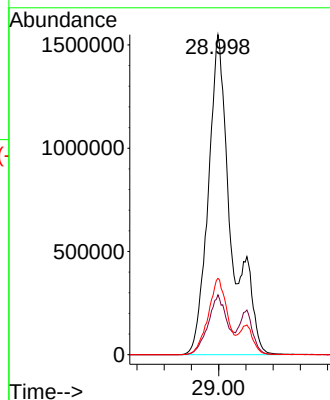
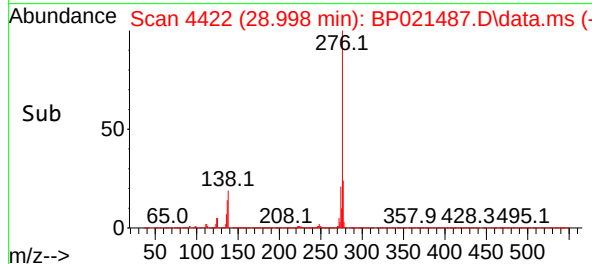
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060



Tgt Ion: 276 Resp: 910034  
Ion Ratio Lower Upper  
276 100  
138 15.7 12.8 19.2  
277 19.7 16.5 24.7

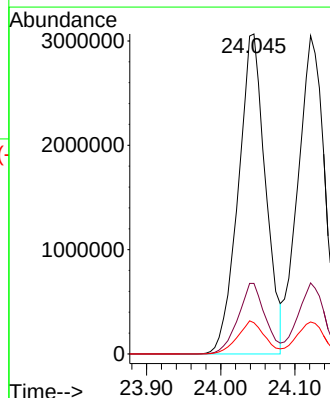
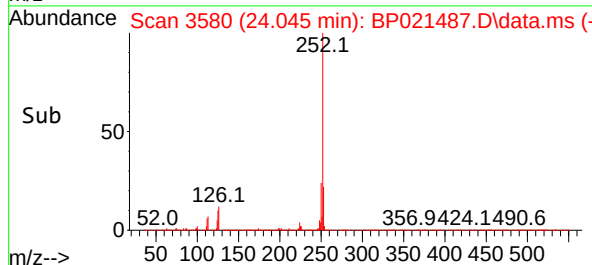
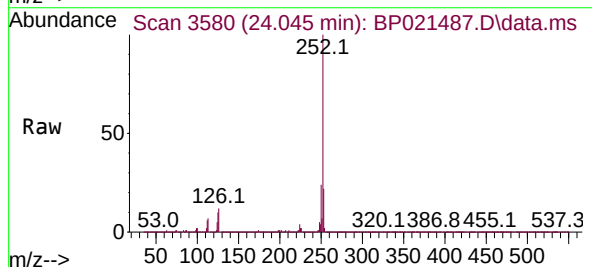
Manual Integrations  
APPROVED

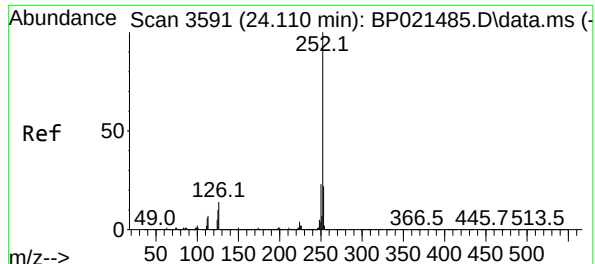
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#88  
Benzo(b)fluoranthene  
Concen: 62.083 ng  
RT: 24.045 min Scan# 3580  
Delta R.T. 0.018 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion: 252 Resp: 7812709  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 9.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 61.599 ng

RT: 24.121 min Scan# 3593

Delta R.T. 0.012 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA\_P

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 756196

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

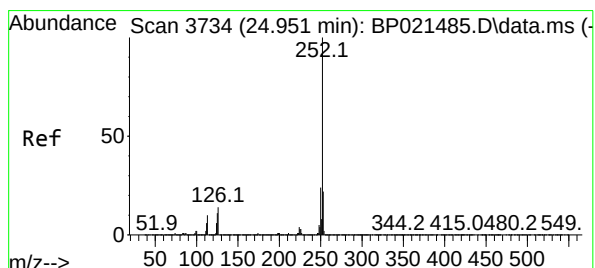
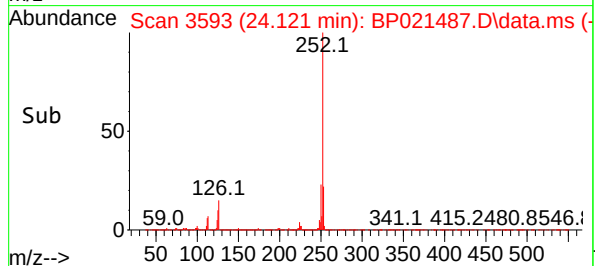
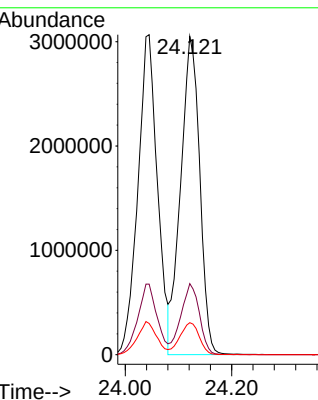
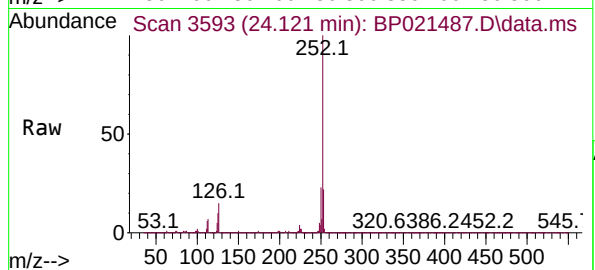
125 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 62.630 ng

RT: 24.974 min Scan# 3738

Delta R.T. 0.023 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

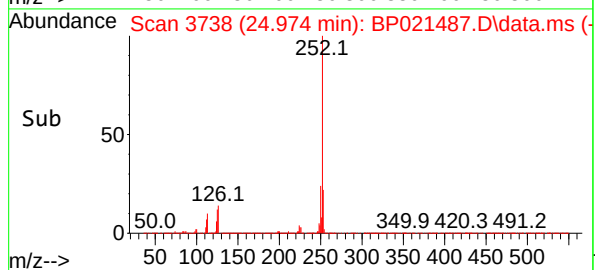
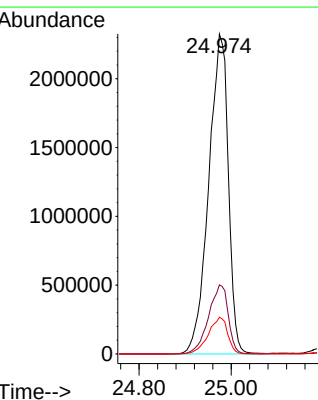
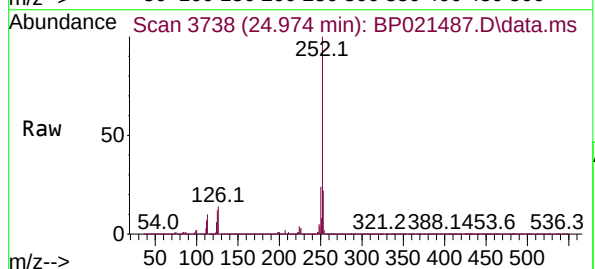
Tgt Ion:252 Resp: 6839630

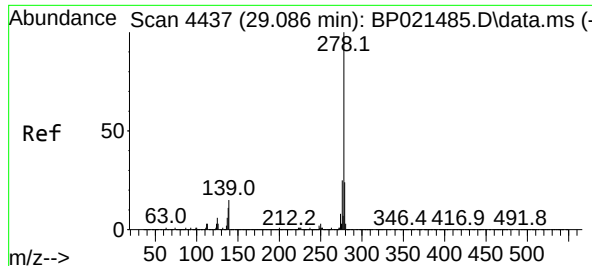
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 11.5 8.7 13.1





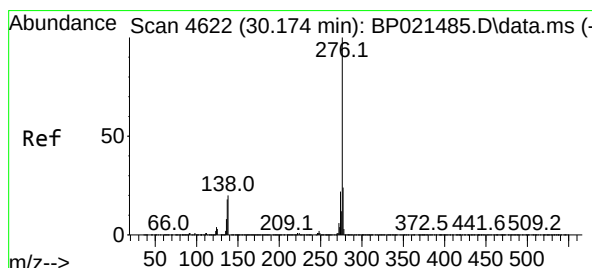
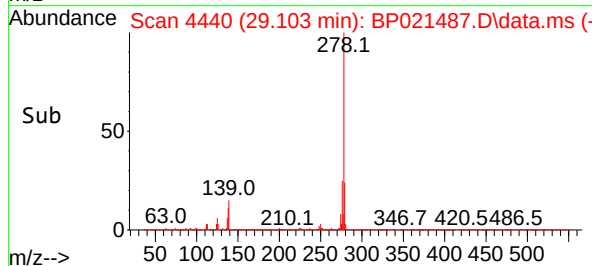
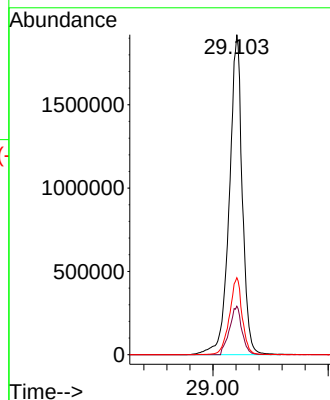
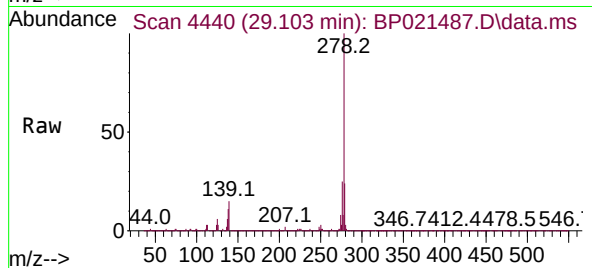
#91  
Dibenzo(a,h)anthracene  
Concen: 63.721 ng  
RT: 29.103 min Scan# 4437  
Delta R.T. 0.018 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC060

Tgt Ion:278 Resp: 752000  
Ion Ratio Lower Upper  
278 100  
139 15.2 12.2 18.4  
279 24.0 19.1 28.7

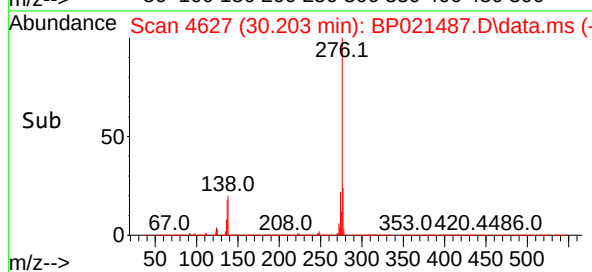
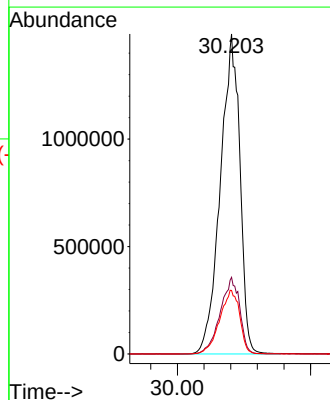
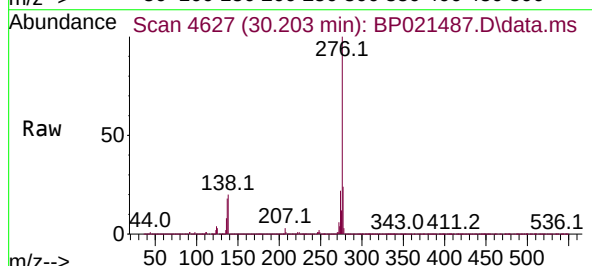
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#92  
Benzo(g,h,i)perylene  
Concen: 63.940 ng  
RT: 30.203 min Scan# 4627  
Delta R.T. 0.029 min  
Lab File: BP021487.D  
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 7563028  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.0 28.6  
138 19.8 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021488.D  
Acq On : 13 Aug 2024 17:36  
Operator : RC/JU  
Sample : SSTDICC080  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC080

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 405636   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.599 | 136  | 1590621  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 991938   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.239 | 188  | 2007991  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.698 | 240  | 1834396  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.110 | 264  | 2148798  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 4326213  | 158.364 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.969  | 99   | 6182538  | 155.142 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.957  | 82   | 5476064  | 177.696 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.951 | 330  | 1902622  | 172.341 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 9945684  | 153.020 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.969 | 244  | 13720759 | 145.311 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 981936   | 75.807  | ng    | 99       |
| 3) Pyridine                   | 3.705  | 79   | 2799665m | 77.425  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 842879   | 77.551  | ng    | 100      |
| 6) Aniline                    | 7.140  | 93   | 2987211  | 74.981  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.375  | 128  | 1999068  | 79.186  | ng    | 100      |
| 10) Phenol                    | 6.993  | 94   | 3198266  | 77.502  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.234  | 93   | 2653675  | 75.997  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 2278631  | 75.987  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 2292726  | 75.717  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 2200854  | 75.423  | ng    | 100      |
| 15) Benzyl Alcohol            | 8.040  | 79   | 2214742  | 77.457  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 2391178  | 74.359  | ng    | 99       |
| 17) 2-Methylphenol            | 8.234  | 107  | 1995331  | 76.484  | ng    | 100      |
| 18) Hexachloroethane          | 8.887  | 117  | 957451   | 78.852  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.610  | 70   | 1923242  | 69.865  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 2709790  | 77.033  | ng    | 99       |
| 22) Acetophenone              | 8.622  | 105  | 3753281  | 76.808  | ng    | 99       |
| 24) Nitrobenzene              | 8.999  | 77   | 2888411  | 86.298  | ng    | 97       |
| 25) Isophorone                | 9.522  | 82   | 5496234  | 75.494  | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 1443721  | 80.354  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.004 | 93   | 3455210  | 77.749  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 1832311  | 86.313  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 2181467  | 80.153  | ng    | 99       |
| 31) Naphthalene               | 10.646 | 128  | 6530682  | 78.593  | ng    | 99       |
| 32) Benzoic acid              | 9.922  | 122  | 1191515  | 79.618  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 2421138  | 77.568  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 1379696  | 80.513  | ng    | 97       |
| 35) Caprolactam               | 11.522 | 113  | 702638m  | 79.529  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.869 | 107  | 2368621  | 80.436  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 4347439  | 76.659  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 4237982  | 75.769  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 2395337  | 82.416  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 847184   | 91.971  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 1454749  | 90.107  | ng    | 100      |
| 44) 2,4,5-Trichlorophenol     | 12.928 | 196  | 1603816  | 89.412  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 5498161  | 78.343  | ng    | 99       |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021488.D  
 Acq On : 13 Aug 2024 17:36  
 Operator : RC/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDICC080

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 23:44:24 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|-----------|--------|-------|----------|
| 47) 2-Chloronaphthalene       | 13.310 | 162  | 4315309   | 78.980 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 1301093   | 81.000 | ng    | 93       |
| 49) Acenaphthylene            | 14.169 | 152  | 6229370   | 77.556 | ng    | 100      |
| 50) Dimethylphthalate         | 13.904 | 163  | 5104657   | 76.844 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 1121870   | 80.745 | ng    | 97       |
| 52) Acenaphthene              | 14.510 | 154  | 4136001   | 78.480 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.340 | 138  | 1100154   | 80.567 | ng    | # 95     |
| 54) 2,4-Dinitrophenol         | 14.545 | 184  | 370353    | 79.528 | ng    | 92       |
| 55) Dibenzofuran              | 14.851 | 168  | 6247950   | 77.067 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.640 | 139  | 885944    | 80.388 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.804 | 165  | 1449693   | 81.172 | ng    | 96       |
| 58) Fluorene                  | 15.510 | 166  | 4891299   | 73.441 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.075 | 232  | 1322486   | 86.863 | ng    | 100      |
| 60) Diethylphthalate          | 15.292 | 149  | 5198353   | 76.268 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 2556419   | 74.256 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.522 | 138  | 1101954   | 79.329 | ng    | 94       |
| 63) Azobenzene                | 15.804 | 77   | 6169252   | 73.633 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.575 | 198  | 600088    | 79.442 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 15.722 | 169  | 4264380   | 79.247 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.416 | 248  | 1731598   | 81.480 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.534 | 284  | 1994136   | 79.402 | ng    | 99       |
| 69) Atrazine                  | 16.698 | 200  | 1395641   | 75.542 | ng    | 98       |
| 70) Pentachlorophenol         | 16.881 | 266  | 1256277   | 91.649 | ng    | 100      |
| 71) Phenanthrene              | 17.286 | 178  | 7482235   | 77.481 | ng    | 99       |
| 72) Anthracene                | 17.381 | 178  | 7350512   | 77.613 | ng    | 100      |
| 73) Carbazole                 | 17.651 | 167  | 7163944   | 78.491 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.257 | 149  | 9044596   | 80.689 | ng    | 100      |
| 75) Fluoranthene              | 19.369 | 202  | 9185836   | 77.525 | ng    | 99       |
| 77) Benzidine                 | 19.557 | 184  | 3000610   | 82.290 | ng    | 99       |
| 78) Pyrene                    | 19.745 | 202  | 9406096   | 78.450 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.704 | 149  | 3806046   | 80.964 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.680 | 228  | 9116699   | 79.168 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.598 | 252  | 3092890   | 83.768 | ng    | 100      |
| 83) Chrysene                  | 21.751 | 228  | 8577622   | 78.894 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.639 | 149  | 6062099   | 89.068 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.957 | 149  | 10099312  | 80.797 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.009 | 276  | 11599453m | 83.285 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.045 | 252  | 9994213   | 80.984 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.121 | 252  | 9544162   | 79.279 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.962 | 252  | 8757562   | 81.773 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.098 | 278  | 9530458   | 82.349 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.209 | 276  | 9695156   | 83.581 | ng    | 100      |

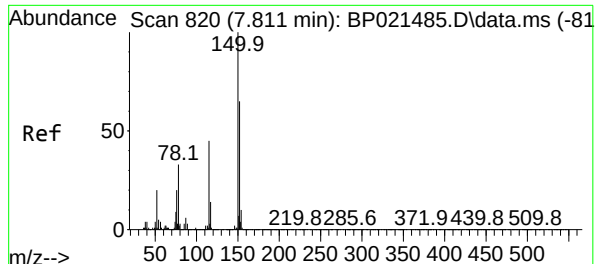
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDICC080

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024





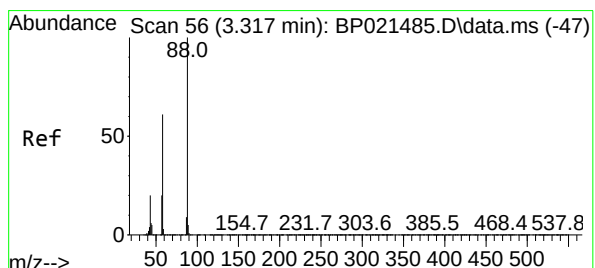
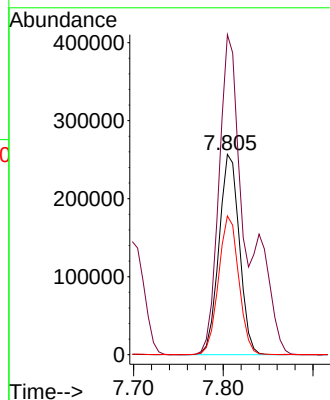
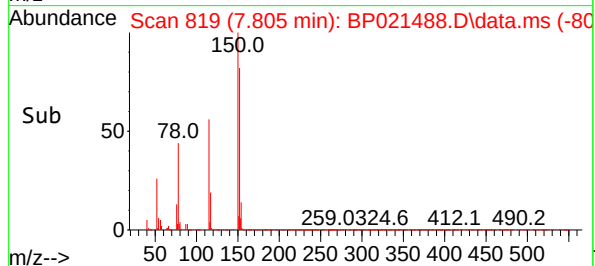
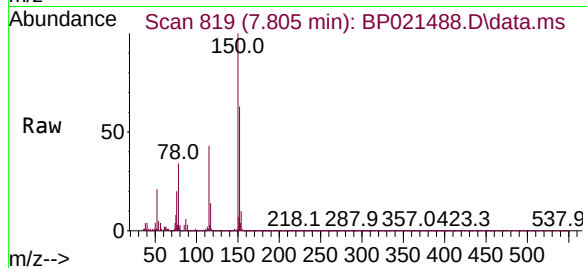
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080

Tgt Ion: 152 Resp: 405630  
Ion Ratio Lower Upper  
152 100  
150 159.8 122.4 183.6  
115 69.3 54.7 82.1

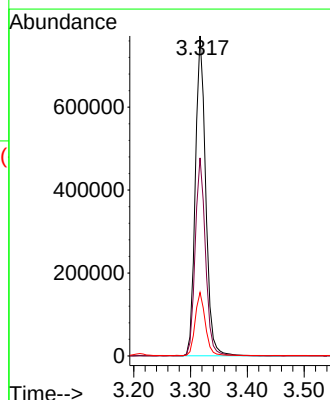
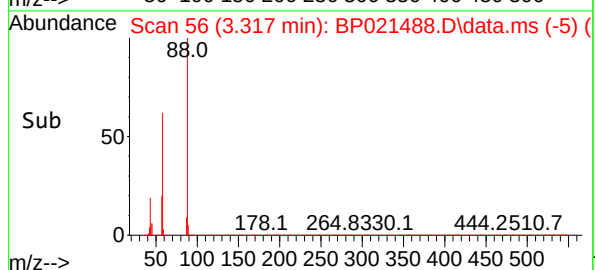
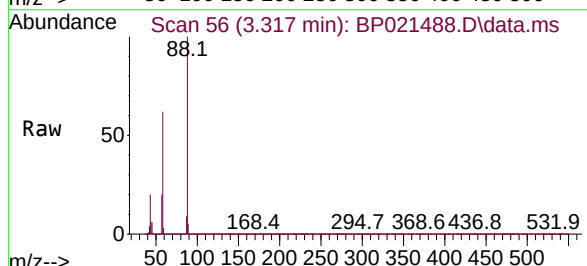
Manual Integrations  
APPROVED

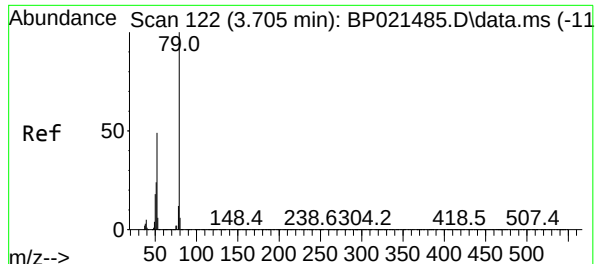
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#2  
1,4-Dioxane  
Concen: 75.807 ng  
RT: 3.317 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

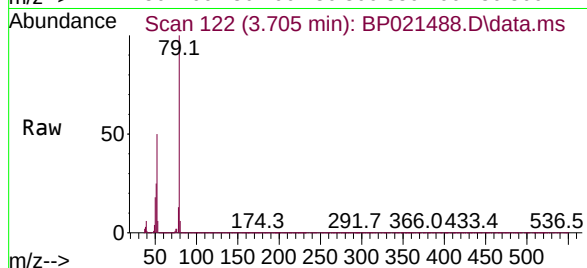
Tgt Ion: 88 Resp: 981936  
Ion Ratio Lower Upper  
88 100  
58 61.6 48.7 73.1  
43 19.6 15.4 23.2





#3  
Pyridine  
Concen: 77.425 ng m  
RT: 3.705 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

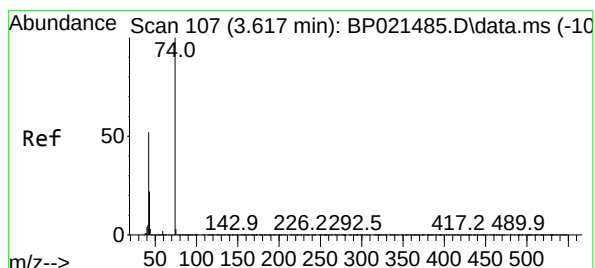
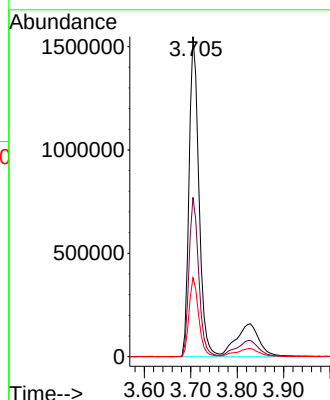
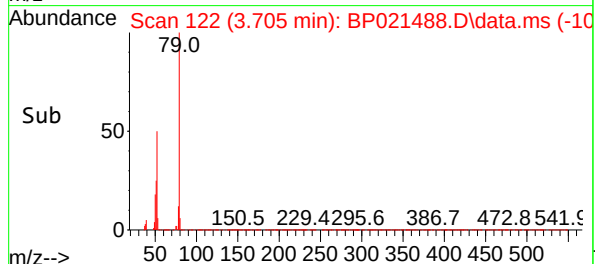
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion: 79 Resp: 279966  
Ion Ratio Lower Upper  
79 100  
52 49.8 39.0 58.6  
51 24.7 19.2 28.8

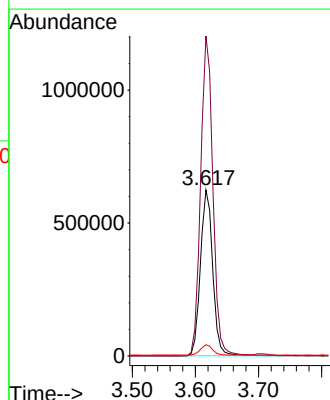
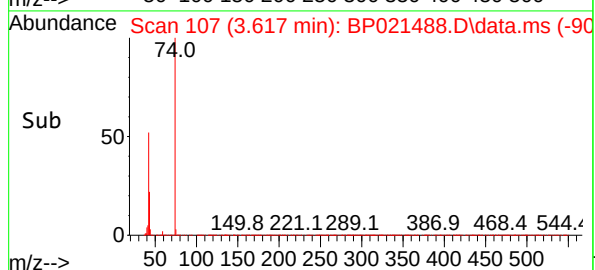
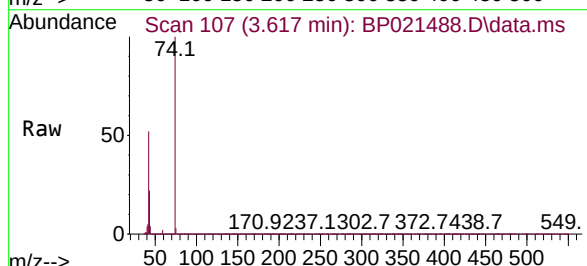
Manual Integrations  
APPROVED

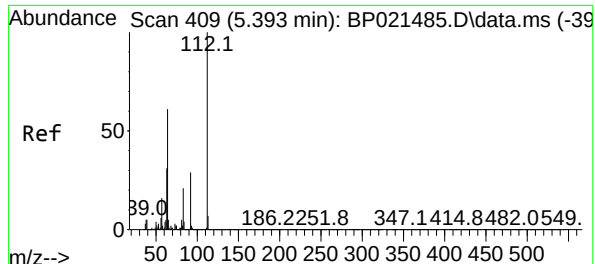
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 77.551 ng  
RT: 3.617 min Scan# 107  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 42 Resp: 842879  
Ion Ratio Lower Upper  
42 100  
74 192.8 154.3 231.5  
44 6.8 6.2 9.4





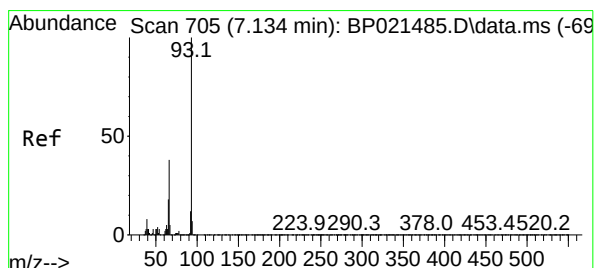
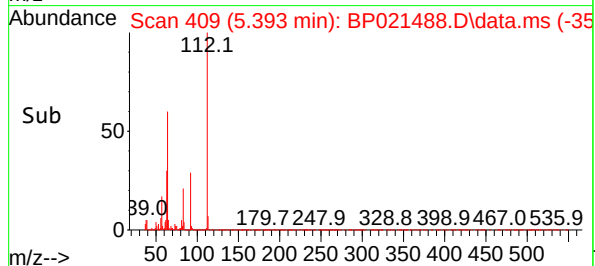
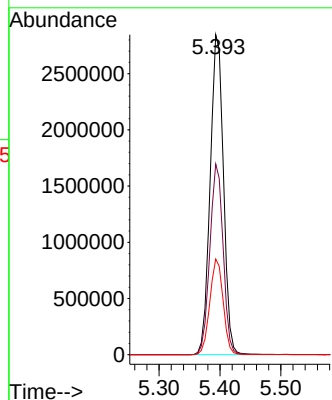
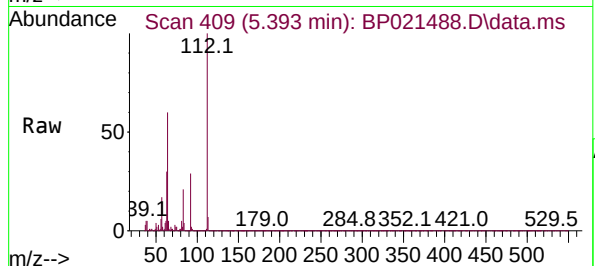
#5  
2-Fluorophenol  
Concen: 158.364 ng  
RT: 5.393 min Scan# 409  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080

Tgt Ion:112 Resp: 4326211  
Ion Ratio Lower Upper  
112 100  
64 59.6 49.0 73.6  
63 29.9 24.6 36.8

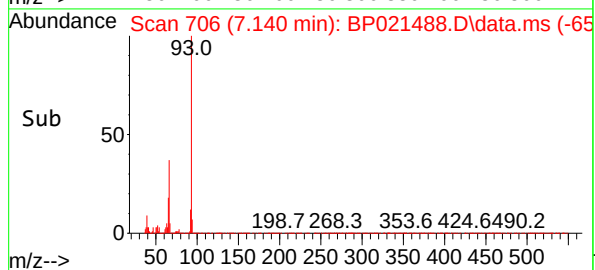
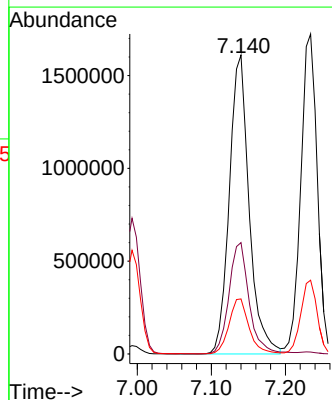
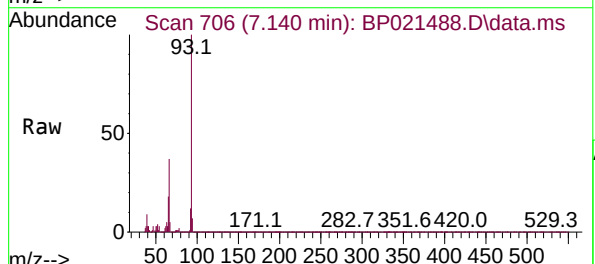
Manual Integrations  
APPROVED

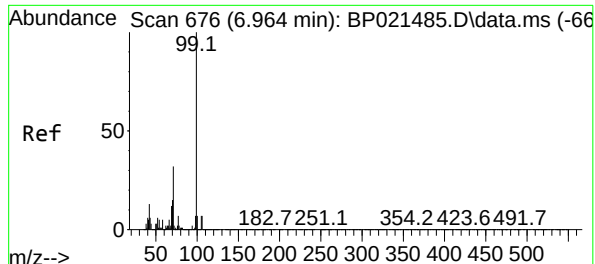
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#6  
Aniline  
Concen: 74.981 ng  
RT: 7.140 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2987211  
Ion Ratio Lower Upper  
93 100  
66 37.3 30.2 45.2  
65 18.4 14.7 22.1





#7

Phenol-d6

Concen: 155.142 ng

RT: 6.969 min Scan# 61

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 6182538

Ion Ratio Lower Upper

99 100

42 12.5 10.2 15.4

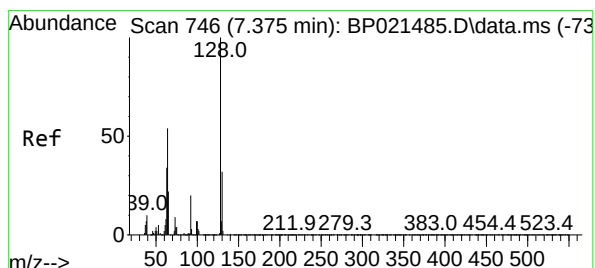
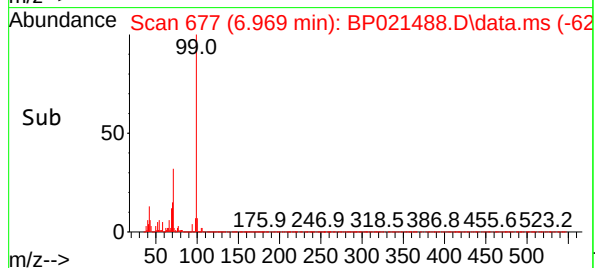
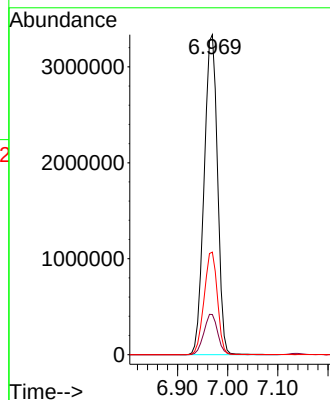
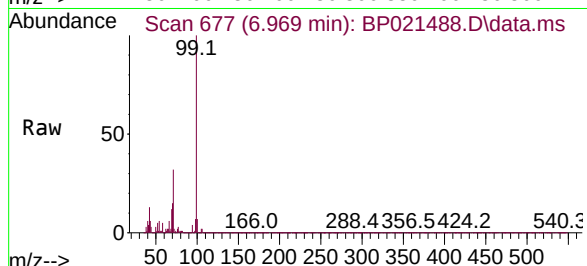
71 32.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#8

2-Chlorophenol

Concen: 79.186 ng

RT: 7.375 min Scan# 746

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

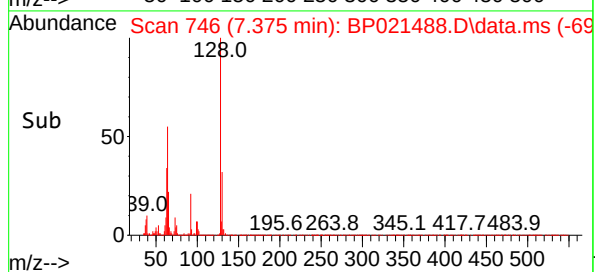
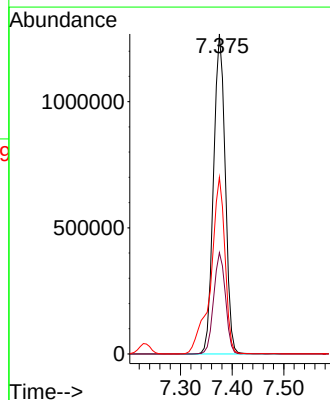
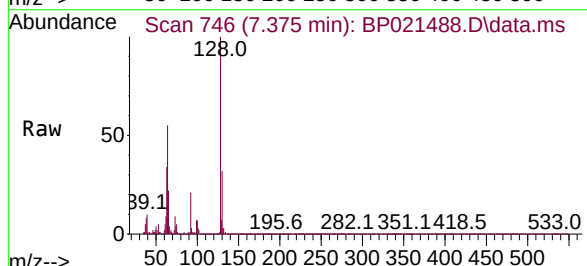
Tgt Ion:128 Resp: 1999068

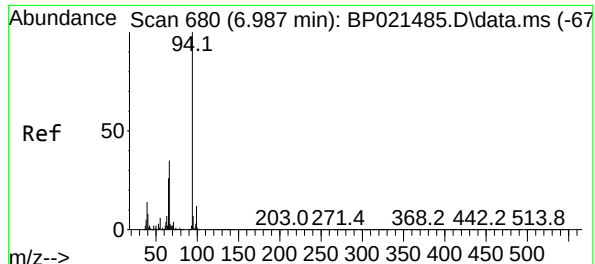
Ion Ratio Lower Upper

128 100

130 31.7 11.6 51.6

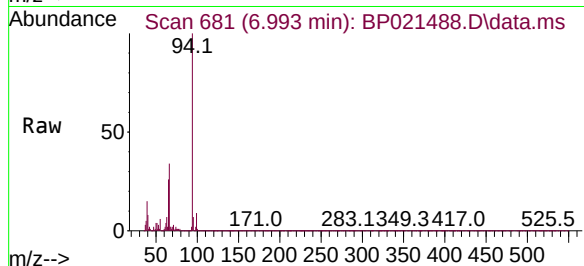
64 55.2 35.3 75.3





#10  
Phenol  
Concen: 77.502 ng  
RT: 6.993 min Scan# 681  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

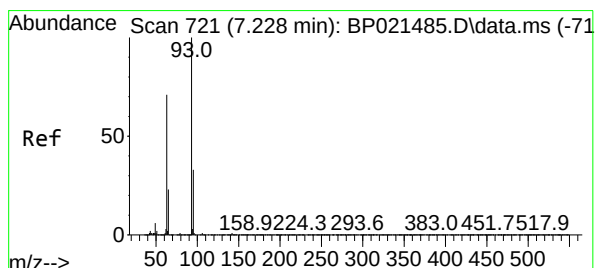
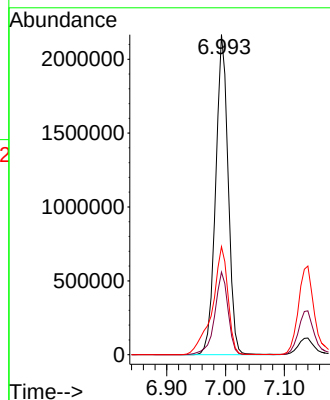
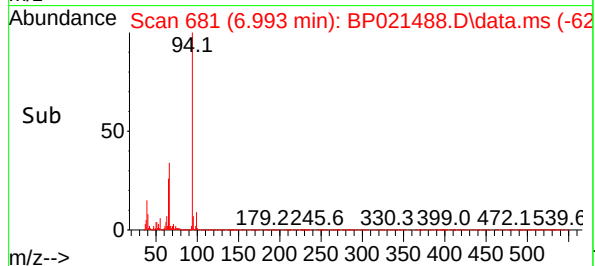
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion: 94 Resp: 319826  
Ion Ratio Lower Upper  
94 100  
65 25.8 6.5 46.5  
66 33.7 14.7 54.7

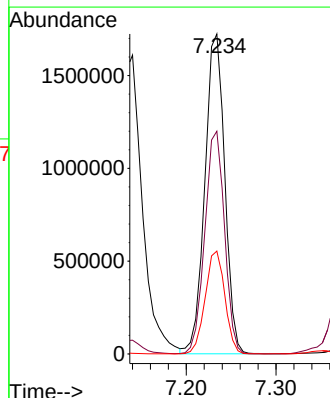
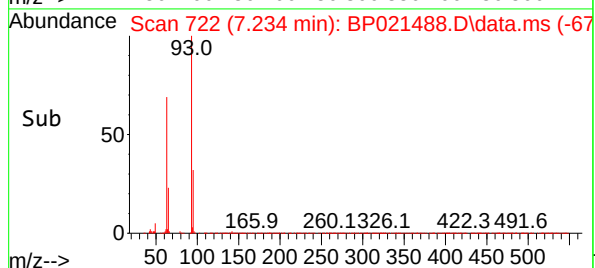
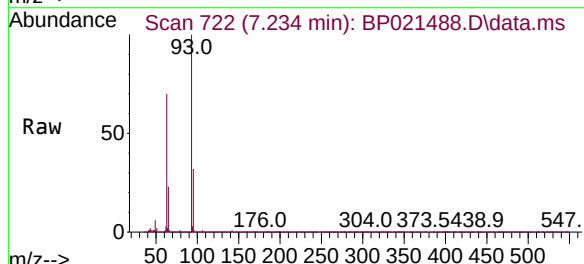
Manual Integrations  
APPROVED

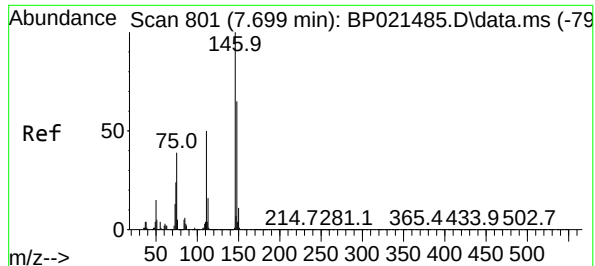
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#11  
bis(2-Chloroethyl)ether  
Concen: 75.997 ng  
RT: 7.234 min Scan# 722  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2653675  
Ion Ratio Lower Upper  
93 100  
63 69.6 51.0 91.0  
95 32.2 12.9 52.9





#12

1,3-Dichlorobenzene

Concen: 75.987 ng

RT: 7.699 min Scan# 801

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 227863

Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.6

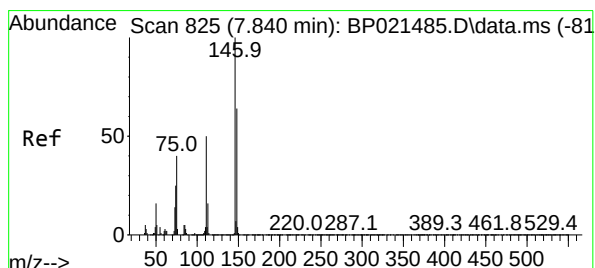
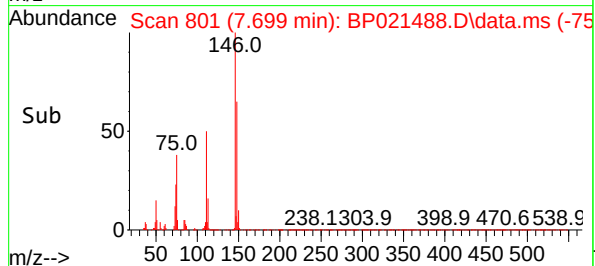
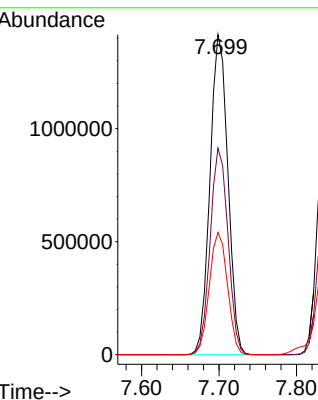
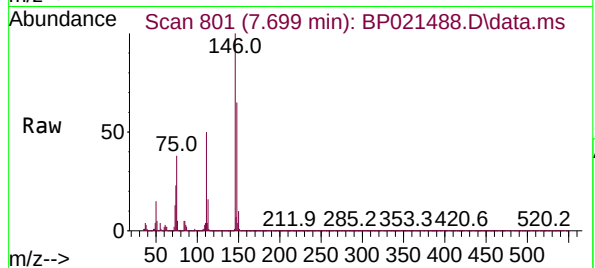
75 38.2 31.3 46.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#13

1,4-Dichlorobenzene

Concen: 75.717 ng

RT: 7.840 min Scan# 825

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

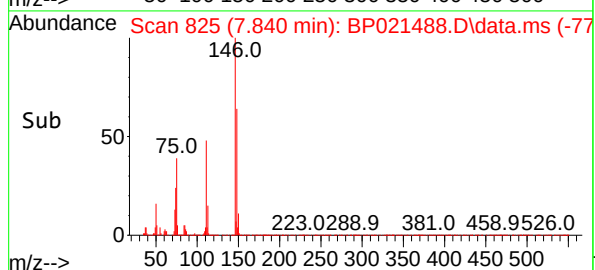
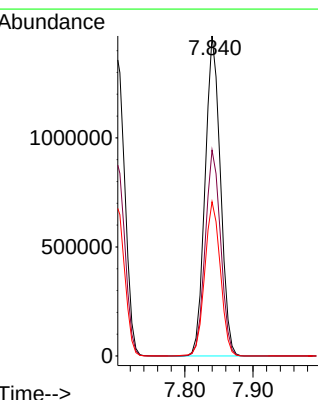
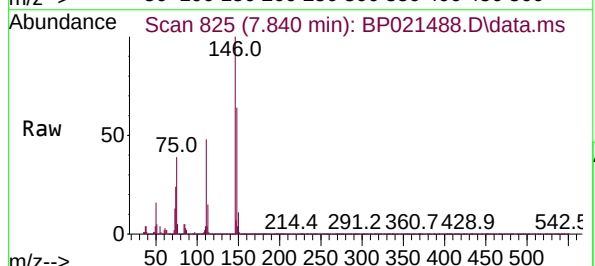
Tgt Ion:146 Resp: 2292726

Ion Ratio Lower Upper

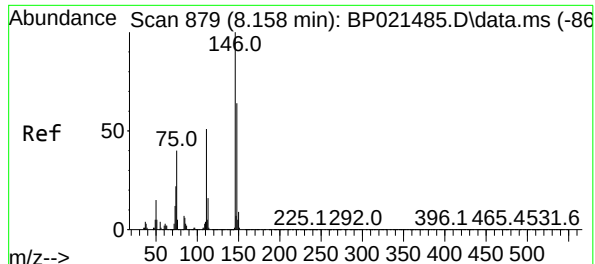
146 100

148 64.4 51.5 77.3

111 48.2 40.3 60.5







#14

1,2-Dichlorobenzene

Concen: 75.423 ng

RT: 8.158 min Scan# 81

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 2200854

Ion Ratio Lower Upper

146 100

148 63.9 51.5 77.3

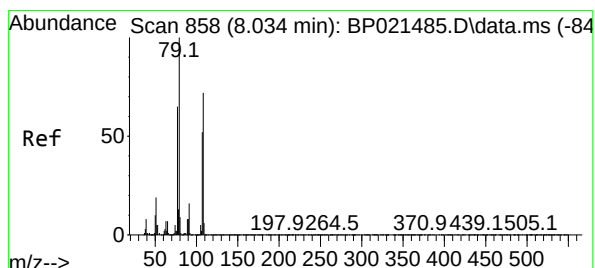
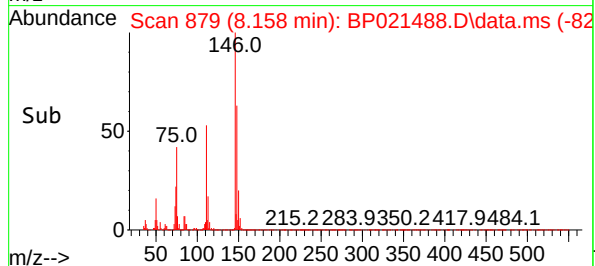
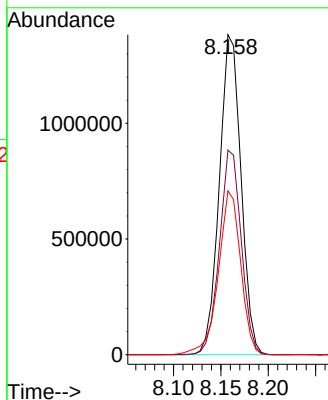
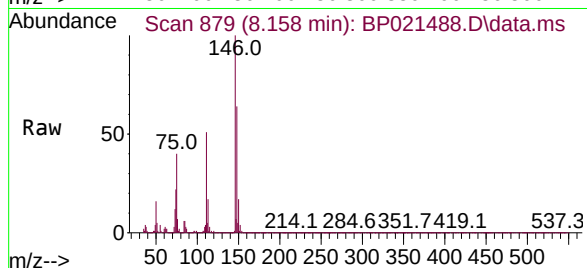
111 51.2 41.1 61.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#15

Benzyl Alcohol

Concen: 77.457 ng

RT: 8.040 min Scan# 859

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

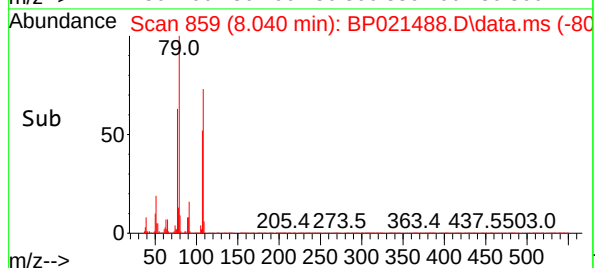
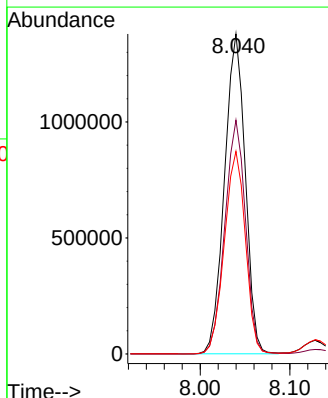
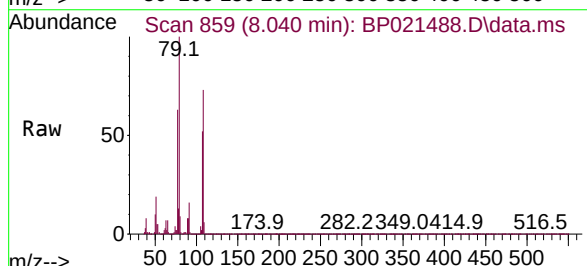
Tgt Ion: 79 Resp: 2214742

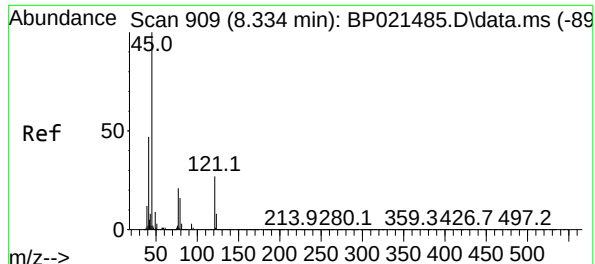
Ion Ratio Lower Upper

79 100

108 73.1 57.9 86.9

77 63.3 51.8 77.8





#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 74.359 ng  
RT: 8.334 min Scan# 909  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

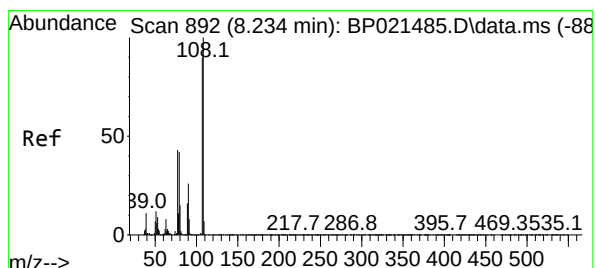
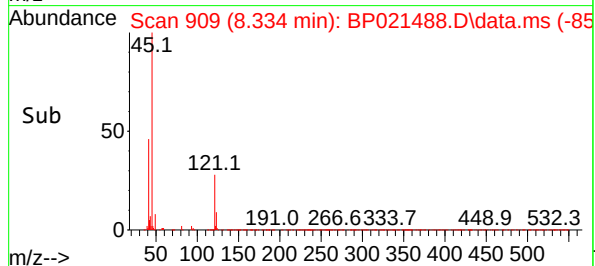
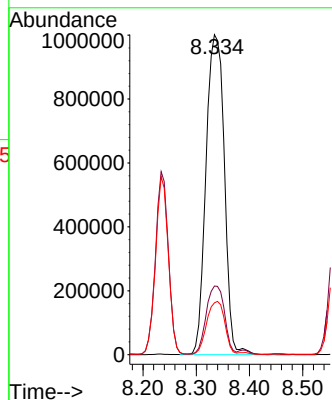
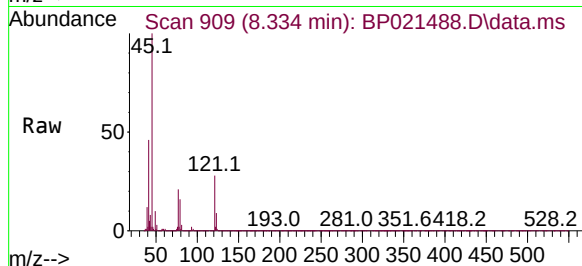
Client Sample Id :

SSTDICC080

Tgt Ion: 45 Resp: 2391178  
Ion Ratio Lower Upper  
45 100  
77 21.4 1.9 41.9  
79 16.2 0.0 36.6

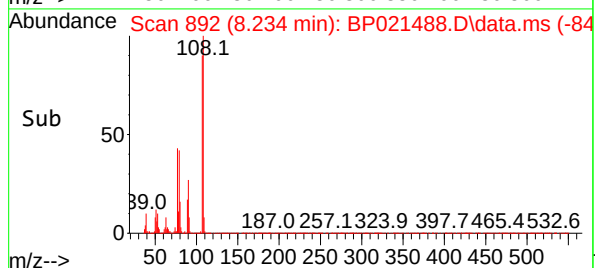
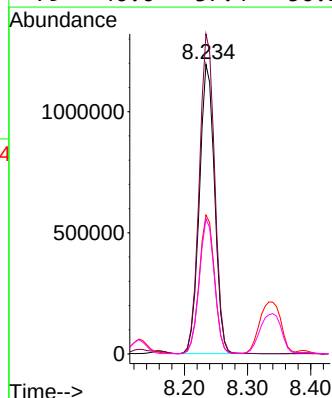
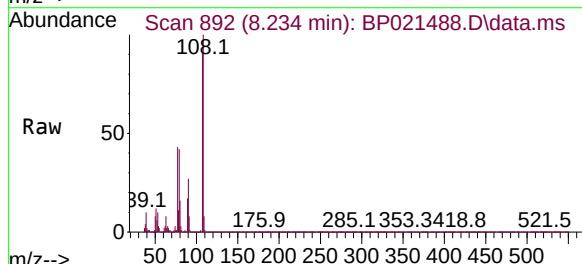
Manual Integrations  
APPROVED

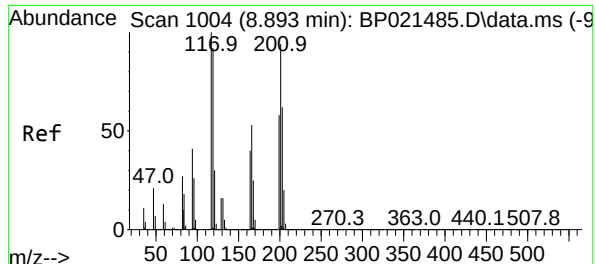
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#17  
2-Methylphenol  
Concen: 76.484 ng  
RT: 8.234 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

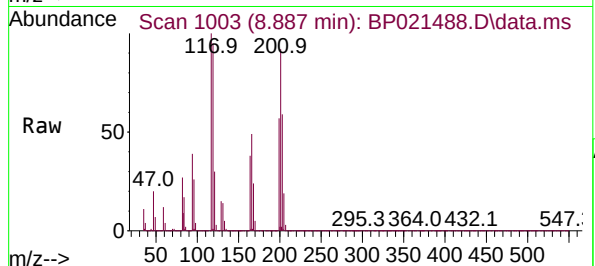
Tgt Ion:107 Resp: 1995331  
Ion Ratio Lower Upper  
107 100  
108 110.5 88.8 133.2  
77 47.9 38.7 58.1  
79 46.6 37.4 56.2





#18  
Hexachloroethane  
Concen: 78.852 ng  
RT: 8.887 min Scan# 1003  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

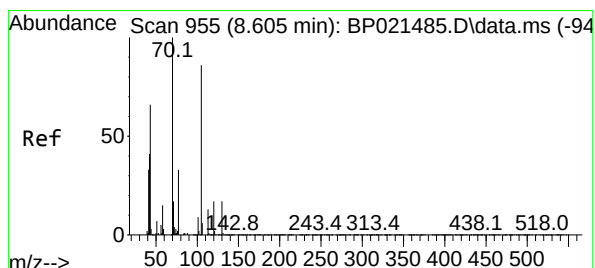
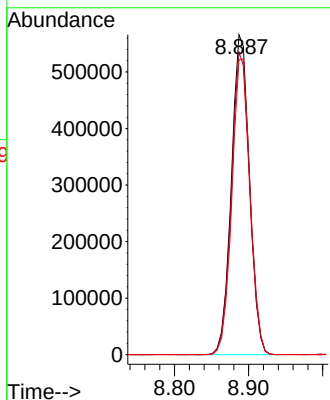
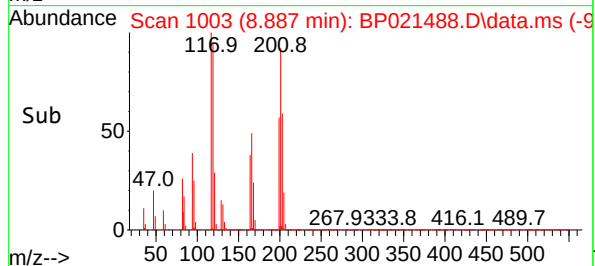
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



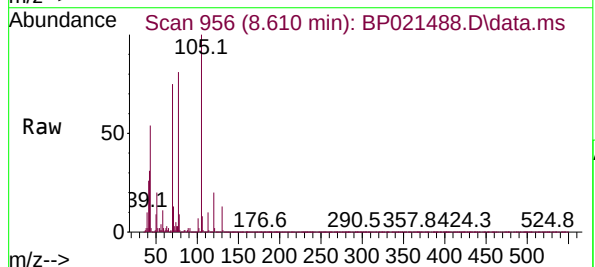
Tgt Ion: 117 Resp: 95745  
Ion Ratio Lower Upper  
117 100  
119 94.5 73.9 110.9  
201 92.1 74.9 112.3

Manual Integrations  
APPROVED

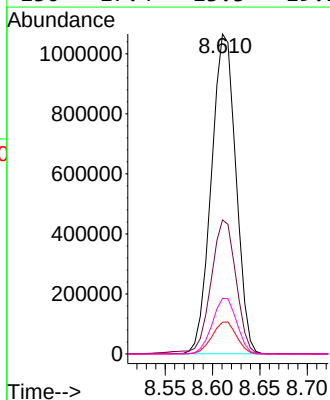
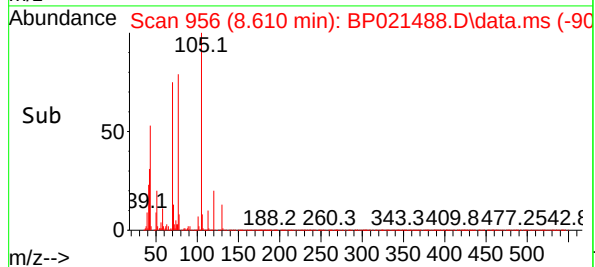
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

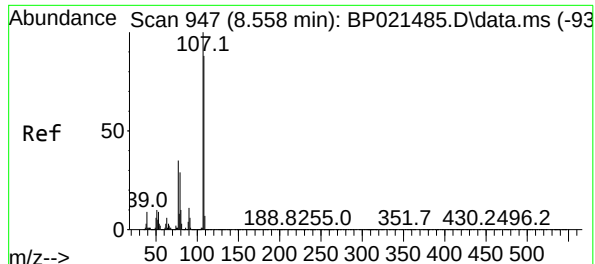


#19  
n-Nitroso-di-n-propylamine  
Concen: 69.865 ng  
RT: 8.610 min Scan# 956  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36



Tgt Ion: 70 Resp: 1923242  
Ion Ratio Lower Upper  
70 100  
42 41.9 33.1 49.7  
101 9.9 7.4 11.2  
130 17.4 13.3 19.9





#20

3+4-Methylphenols

Concen: 77.033 ng

RT: 8.563 min Scan# 947

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 2709790

Ion Ratio Lower Upper

107 100

108 88.4 67.6 107.6

77 34.2 15.0 55.0

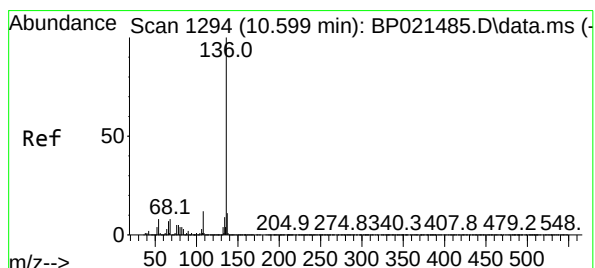
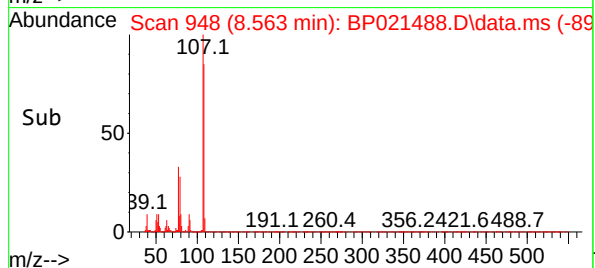
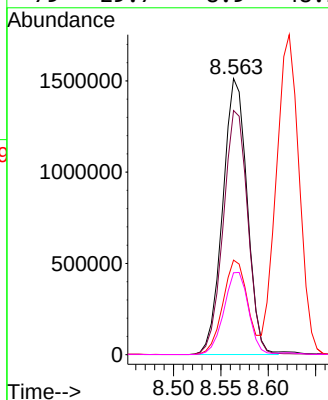
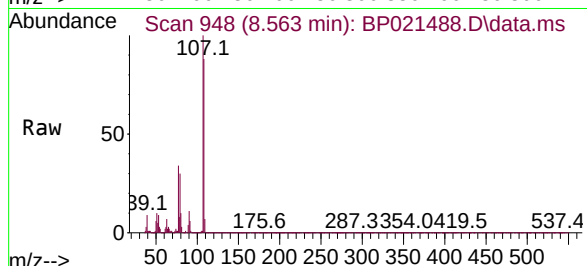
79 29.7 8.9 48.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.599 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Tgt Ion:136 Resp: 1590621

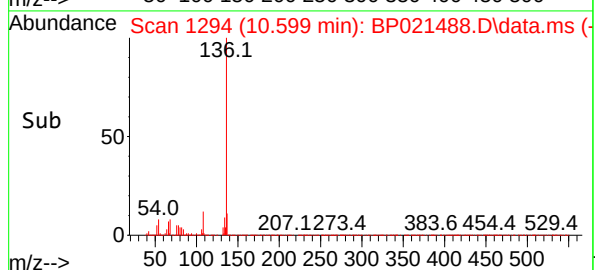
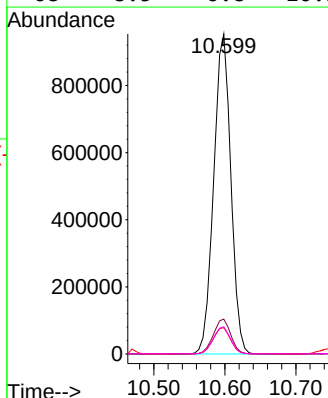
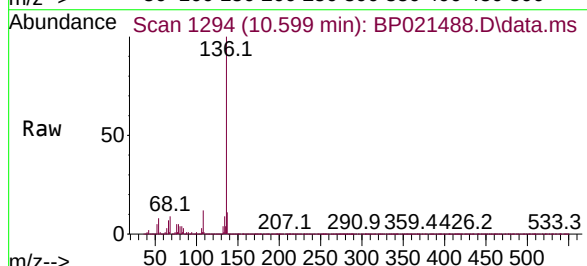
Ion Ratio Lower Upper

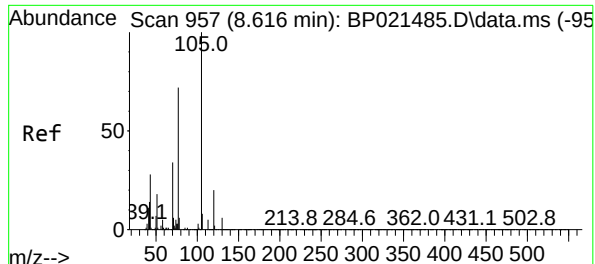
136 100

137 10.9 8.8 13.2

54 8.2 6.3 9.5

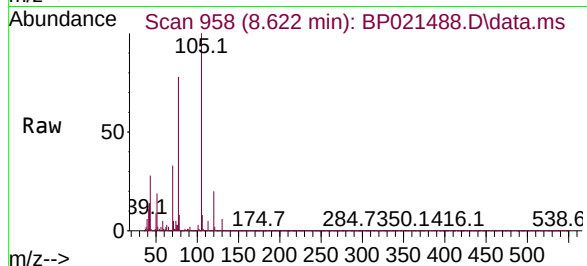
68 8.5 6.8 10.2





#22  
Acetophenone  
Concen: 76.808 ng  
RT: 8.622 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

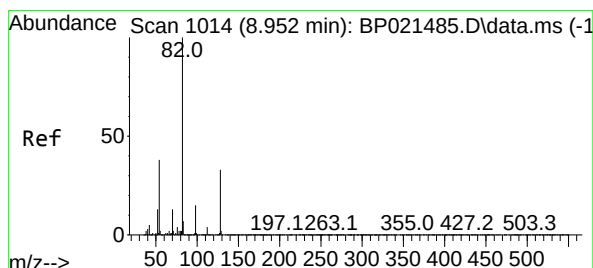
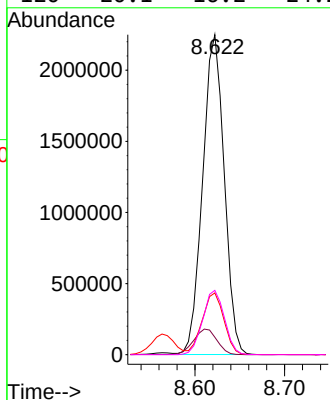
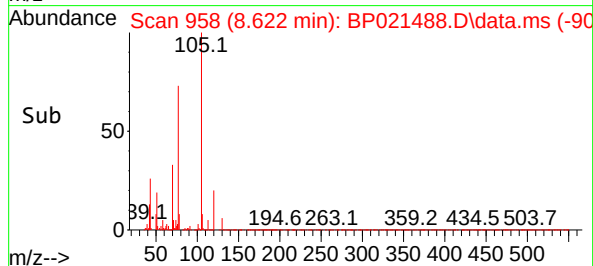
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



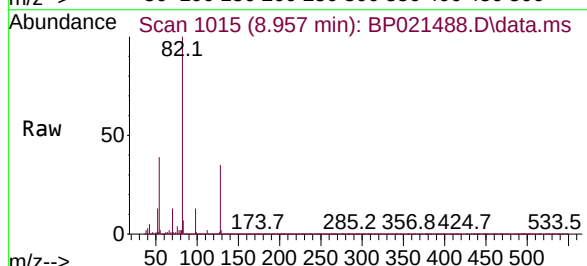
Tgt Ion: 105 Resp: 375328  
Ion Ratio Lower Upper  
105 100  
71 5.5 4.6 7.0  
51 19.3 16.3 24.5  
120 20.1 16.2 24.2

Manual Integrations  
APPROVED

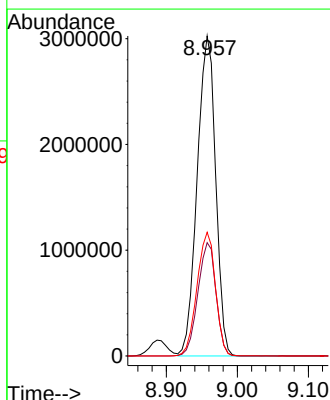
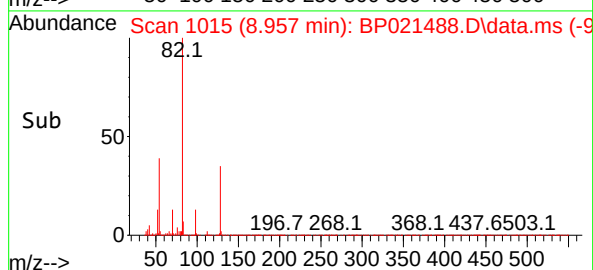
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

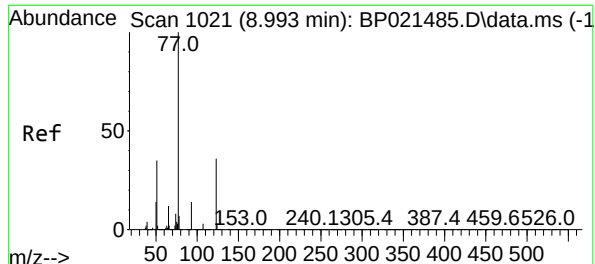


#23  
Nitrobenzene-d5  
Concen: 177.696 ng  
RT: 8.957 min Scan# 1015  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36



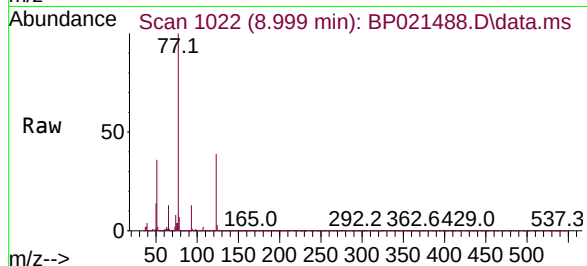
Tgt Ion: 82 Resp: 5476064  
Ion Ratio Lower Upper  
82 100  
128 35.4 26.5 39.7  
54 38.7 30.3 45.5





#24  
Nitrobenzene  
Concen: 86.298 ng  
RT: 8.999 min Scan# 1021  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

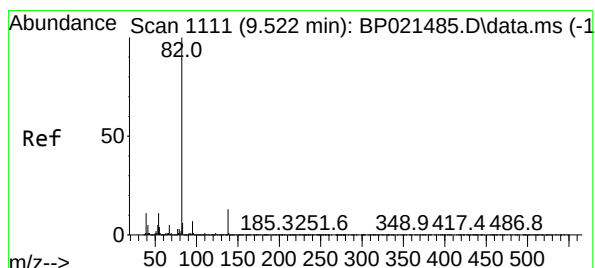
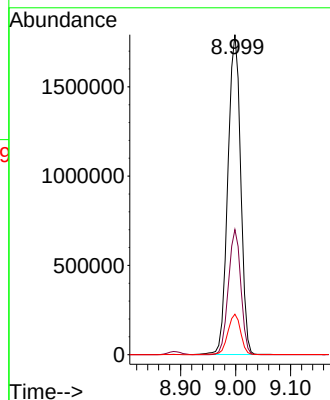
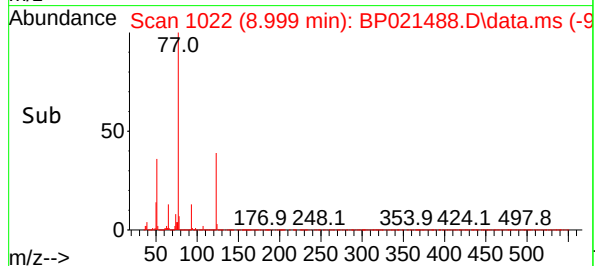
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC080



Tgt Ion: 77 Resp: 288841  
Ion Ratio Lower Upper  
77 100  
123 39.1 29.5 44.3  
65 12.7 9.9 14.9

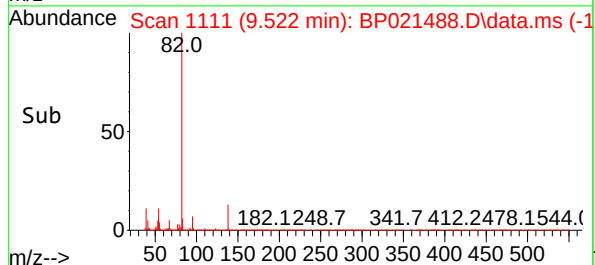
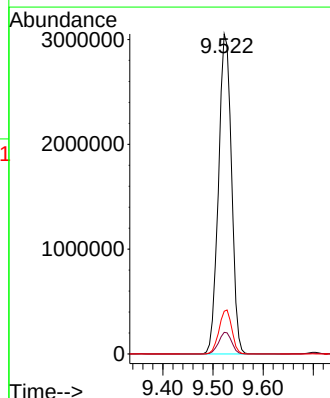
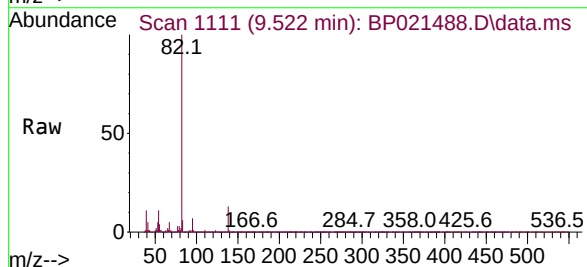
Manual Integrations  
APPROVED

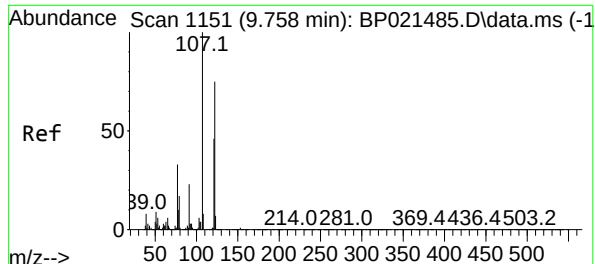
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#25  
Isophorone  
Concen: 75.494 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5496234  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.2  
138 13.3 10.6 16.0





#27

2,4-Dimethylphenol

Concen: 80.354 ng

RT: 9.763 min Scan# 1151

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 144372

Ion Ratio Lower Upper

122 100

107 131.4 106.2 159.4

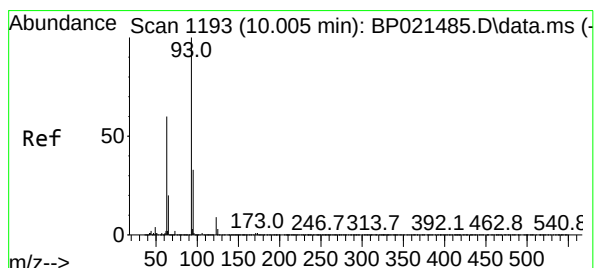
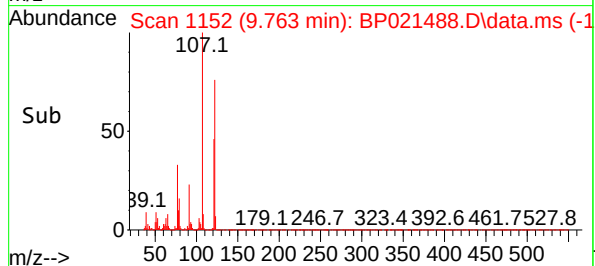
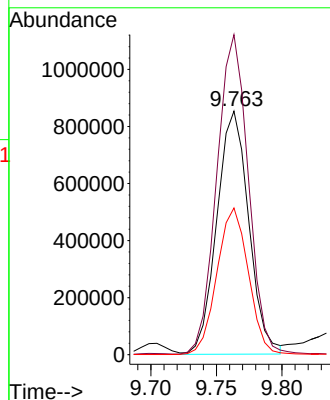
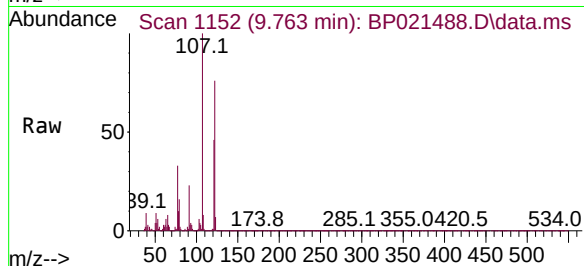
121 60.3 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 77.749 ng

RT: 10.004 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

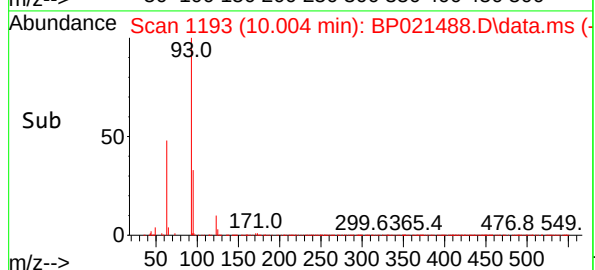
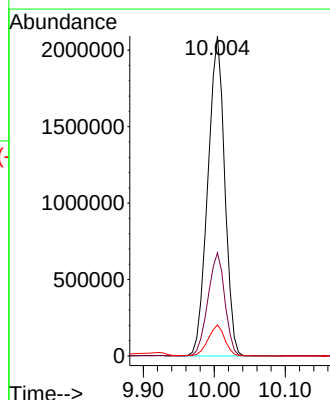
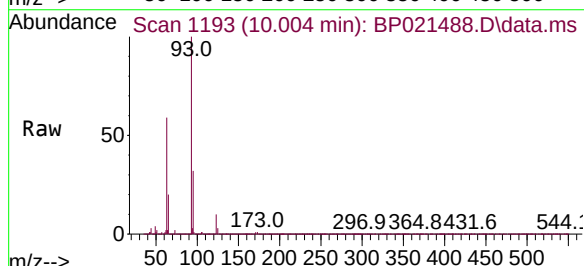
Tgt Ion: 93 Resp: 3455210

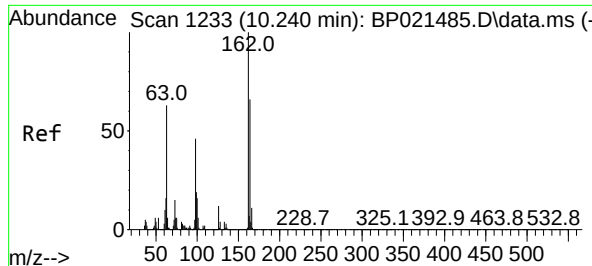
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

123 9.7 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 86.313 ng

RT: 10.240 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BP021488.D

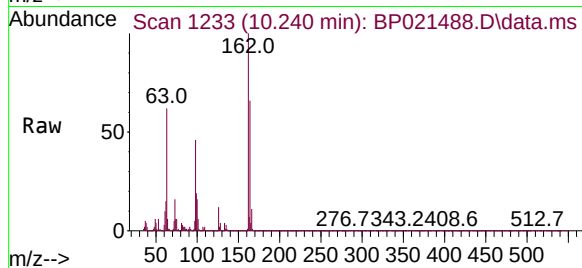
Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080



Tgt Ion:162 Resp: 183231

Ion Ratio Lower Upper

162 100

164 65.7 45.9 85.9

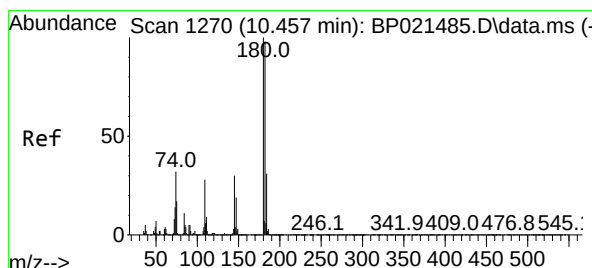
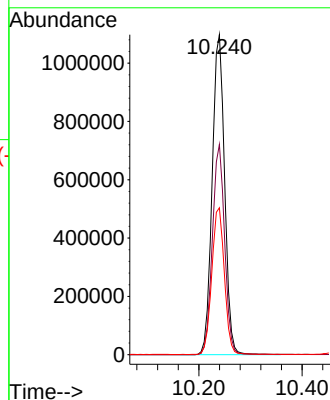
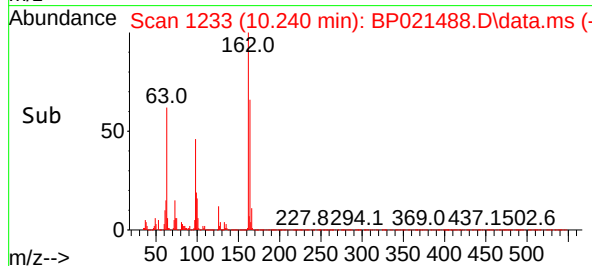
98 45.9 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#30

1,2,4-Trichlorobenzene

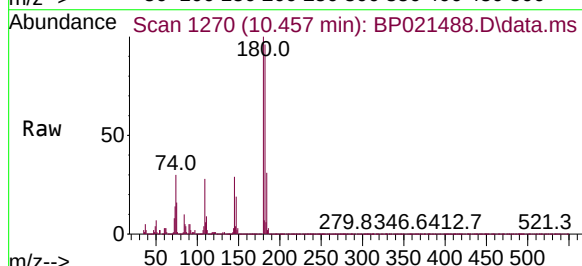
Concen: 80.153 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36



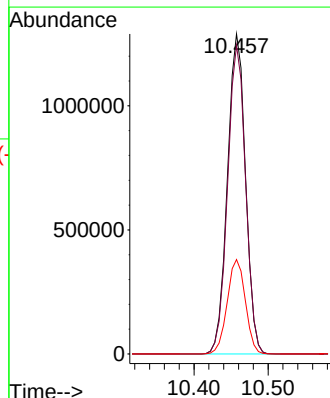
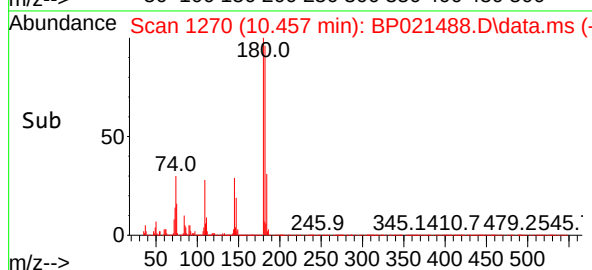
Tgt Ion:180 Resp: 2181467

Ion Ratio Lower Upper

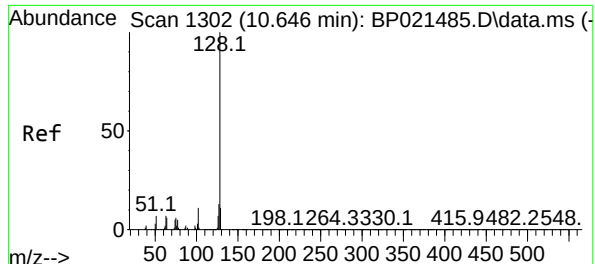
180 100

182 96.4 78.3 117.5

145 29.5 24.0 36.0







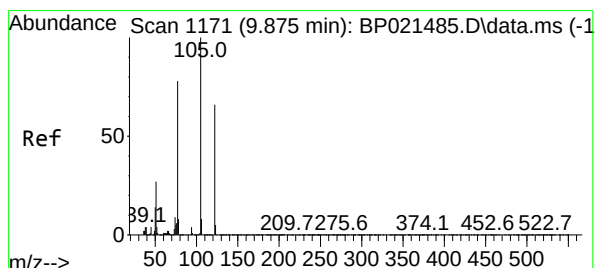
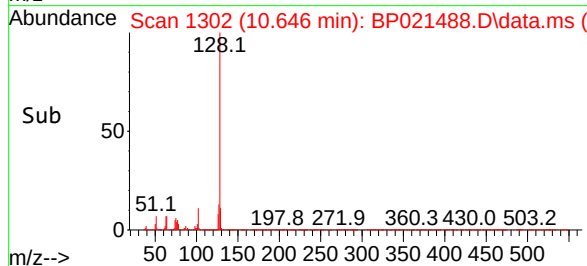
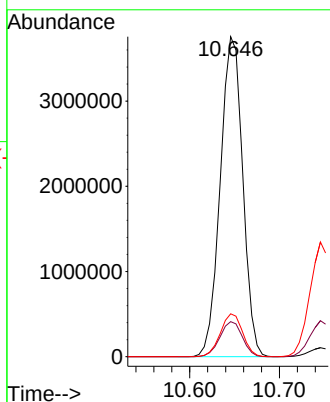
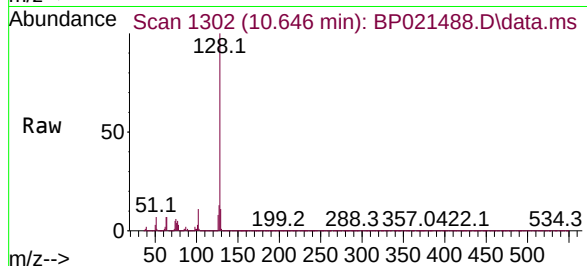
#31  
Naphthalene  
Concen: 78.593 ng  
RT: 10.646 min Scan# 1119  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080

Tgt Ion:128 Resp: 653068  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 12.8  
127 13.4 10.6 15.8

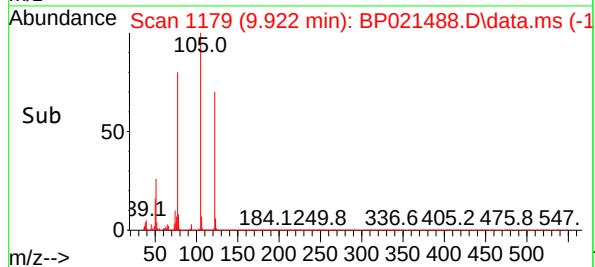
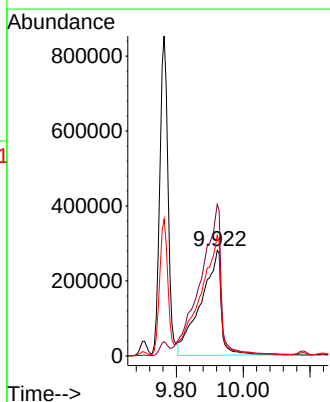
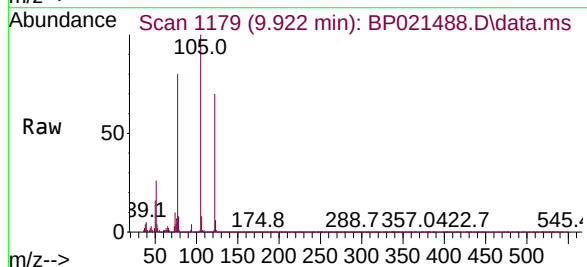
Manual Integrations  
APPROVED

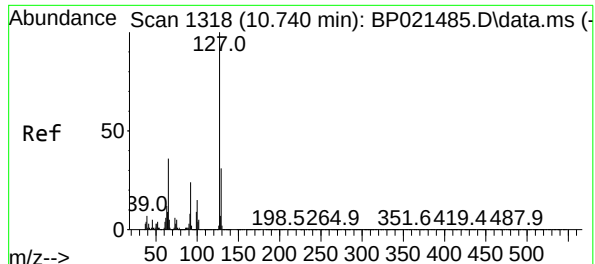
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#32  
Benzoic acid  
Concen: 79.618 ng  
RT: 9.922 min Scan# 1179  
Delta R.T. 0.047 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

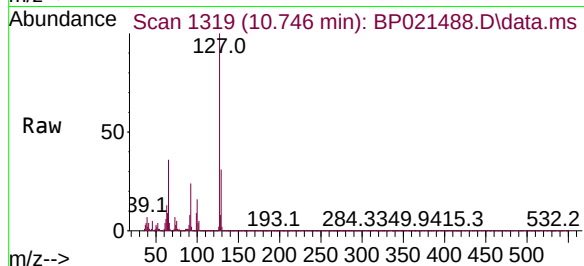
Tgt Ion:122 Resp: 1191515  
Ion Ratio Lower Upper  
122 100  
105 143.7 124.6 164.6  
77 114.4 96.2 136.2





#33  
4-Chloroaniline  
Concen: 77.568 ng  
RT: 10.746 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

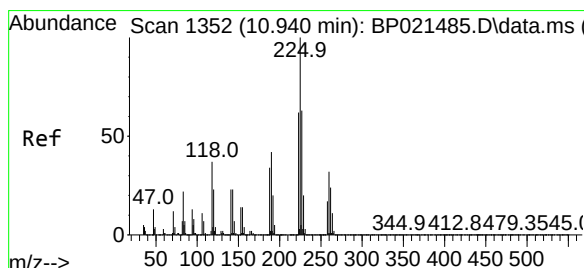
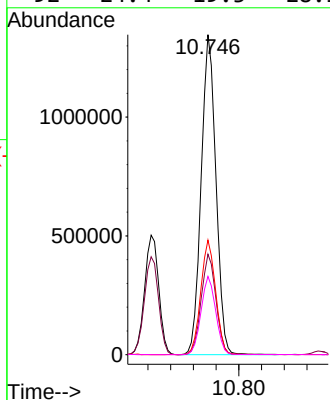
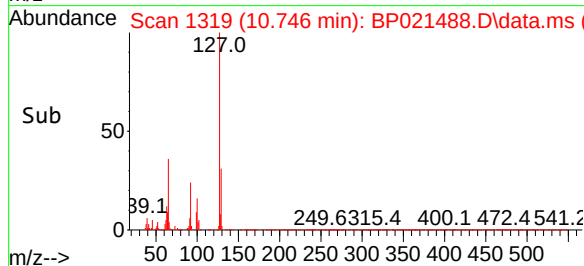
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:127 Resp: 2421138  
Ion Ratio Lower Upper  
127 100  
129 31.4 24.5 36.7  
65 35.8 28.9 43.3  
92 24.4 19.3 28.9

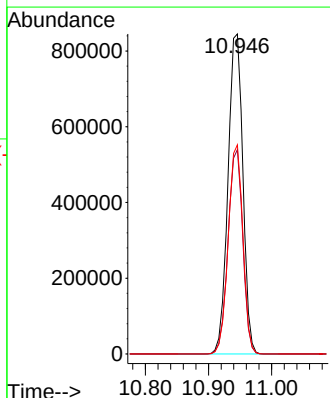
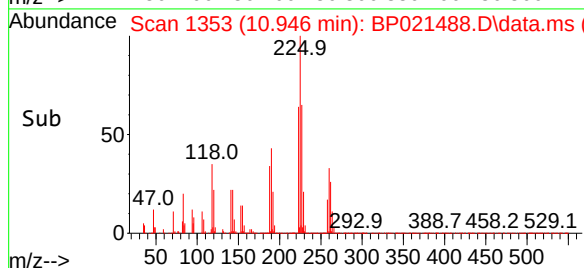
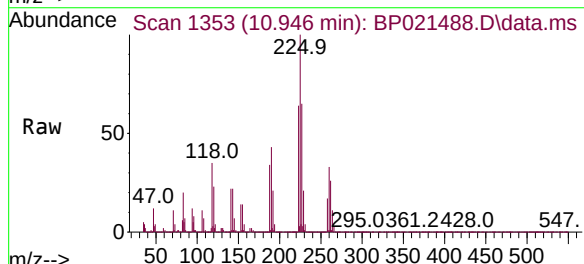
Manual Integrations  
APPROVED

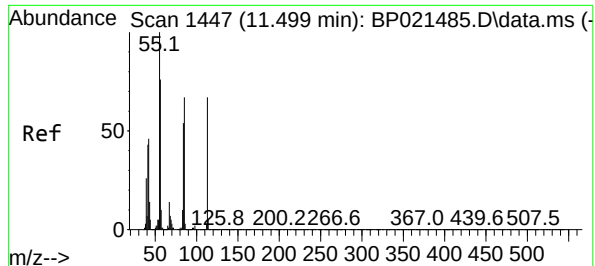
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#34  
Hexachlorobutadiene  
Concen: 80.513 ng  
RT: 10.946 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

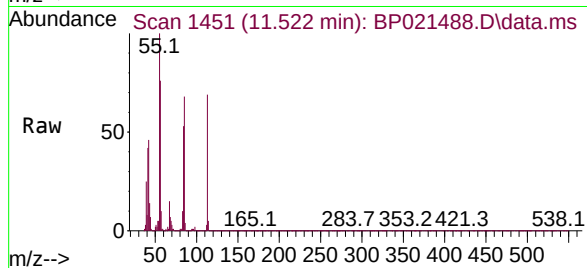
Tgt Ion:225 Resp: 1379696  
Ion Ratio Lower Upper  
225 100  
223 63.8 49.6 74.4  
227 65.3 50.1 75.1





#35  
Caprolactam  
Concen: 79.529 ng m  
RT: 11.522 min Scan# 1447  
Delta R.T. 0.023 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

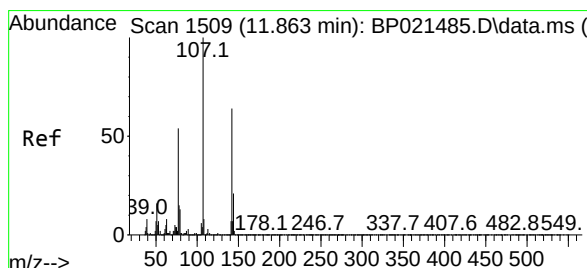
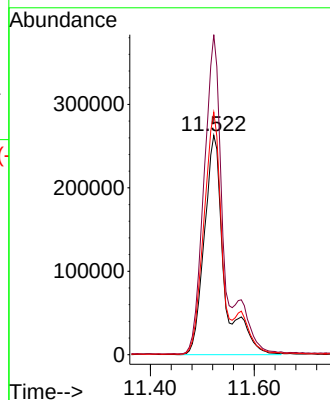
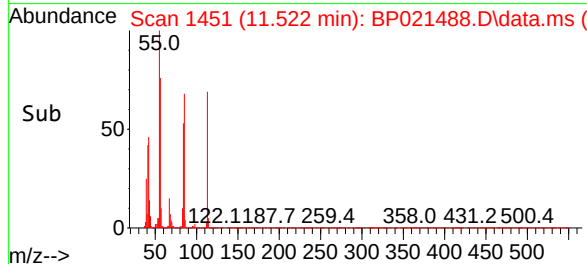
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:113 Resp: 702638  
Ion Ratio Lower Upper  
113 100  
55 145.9 130.6 170.6  
56 110.6 94.6 134.6

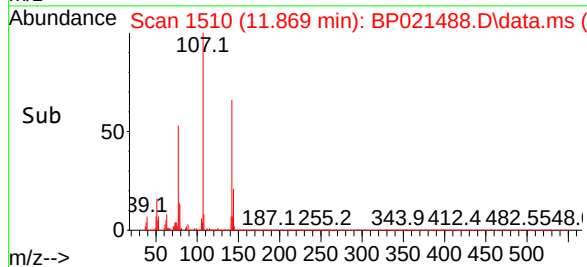
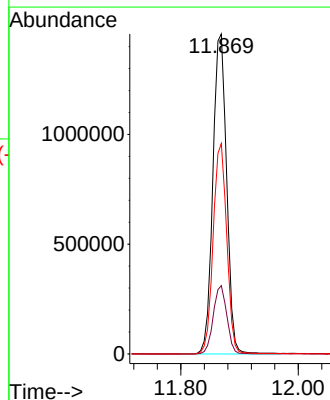
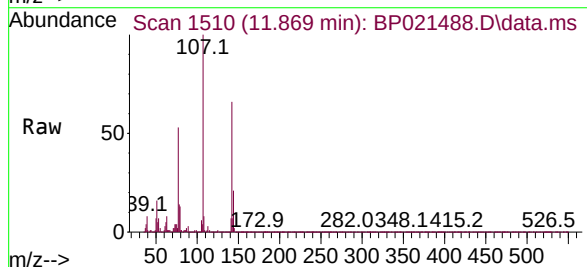
Manual Integrations  
APPROVED

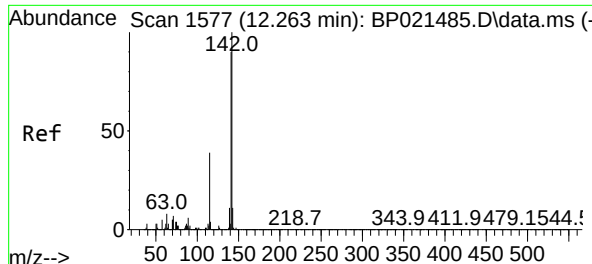
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#36  
4-Chloro-3-methylphenol  
Concen: 80.436 ng  
RT: 11.869 min Scan# 1510  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 2368621  
Ion Ratio Lower Upper  
107 100  
144 21.4 16.6 24.8  
142 65.8 51.0 76.4





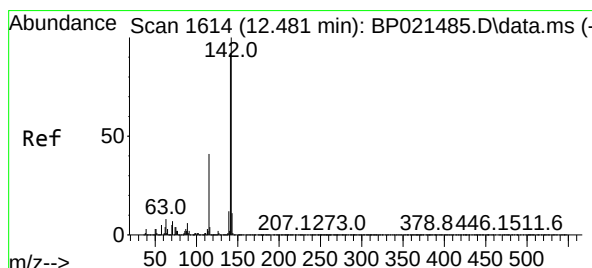
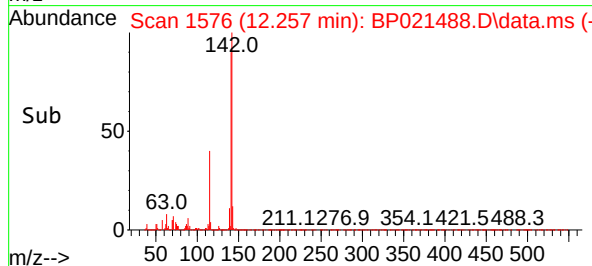
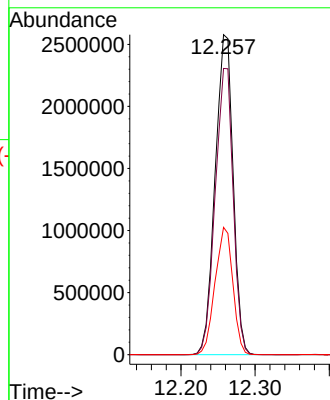
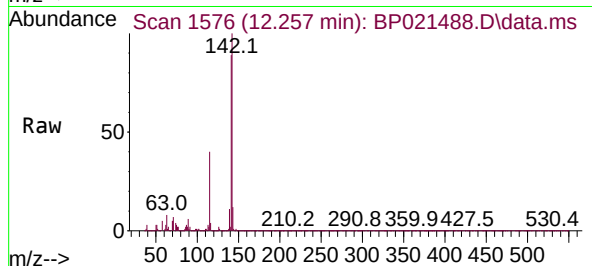
#37  
2-Methylnaphthalene  
Concen: 76.659 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080

Tgt Ion:142 Resp: 4347439  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.7 107.5  
115 39.8 31.4 47.2

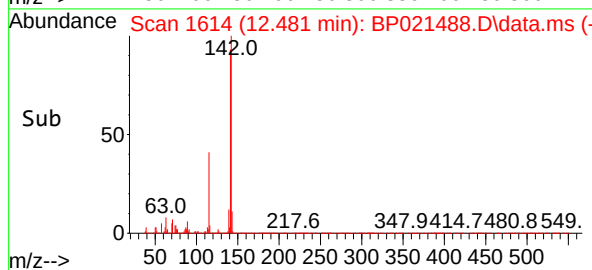
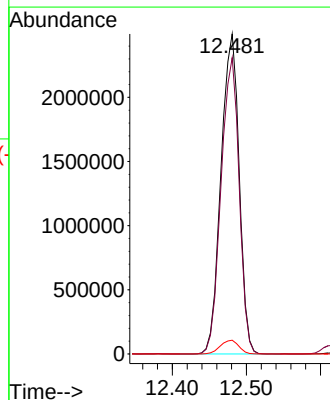
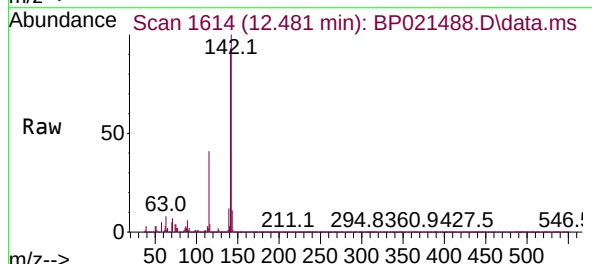
Manual Integrations  
APPROVED

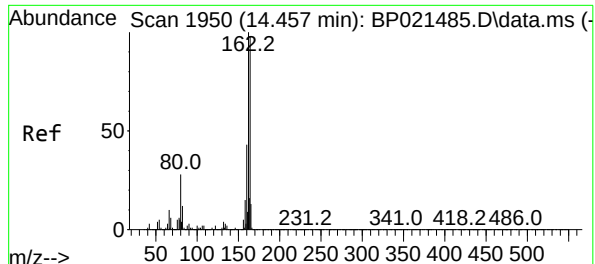
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#38  
1-Methylnaphthalene  
Concen: 75.769 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 4237982  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.5 110.3  
116 4.3 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDIC080

Tgt Ion:164 Resp: 991938

Ion Ratio Lower Upper

164 100

162 99.9 81.5 122.3

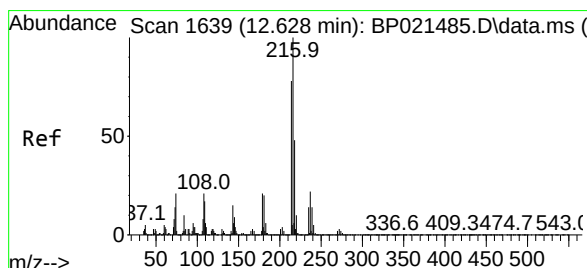
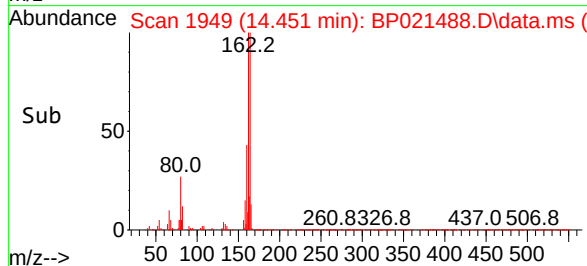
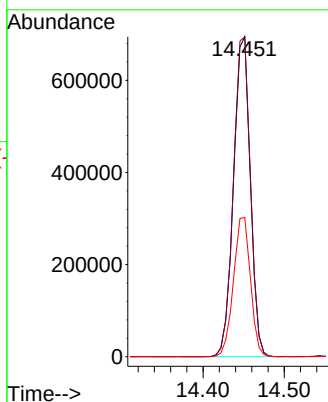
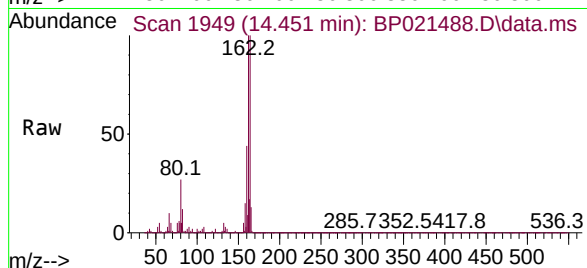
160 43.5 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 82.416 ng

RT: 12.628 min Scan# 1639

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Tgt Ion:216 Resp: 2395337

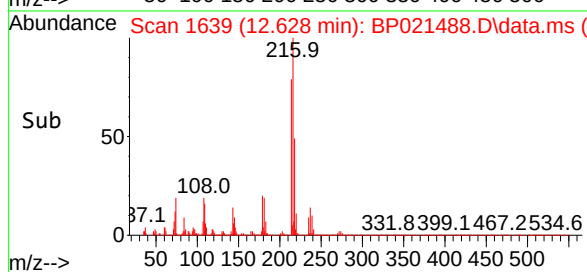
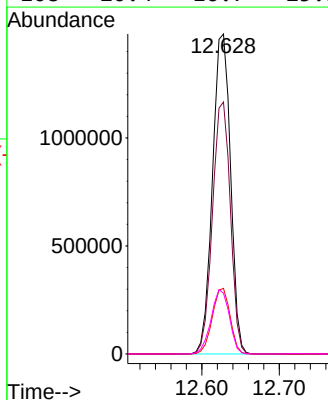
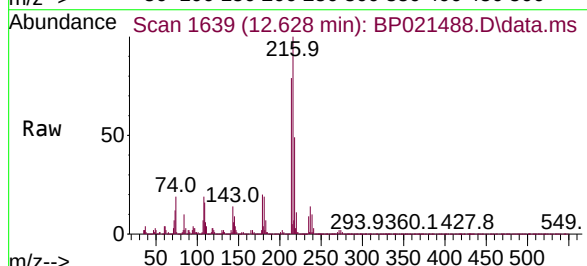
Ion Ratio Lower Upper

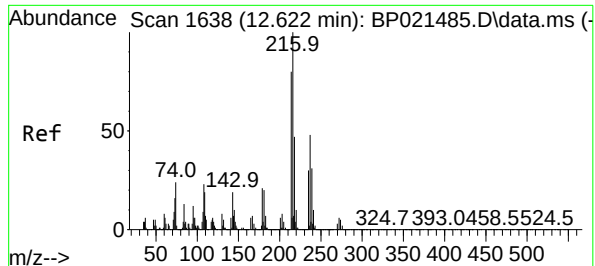
216 100

214 78.3 62.5 93.7

179 20.3 16.4 24.6

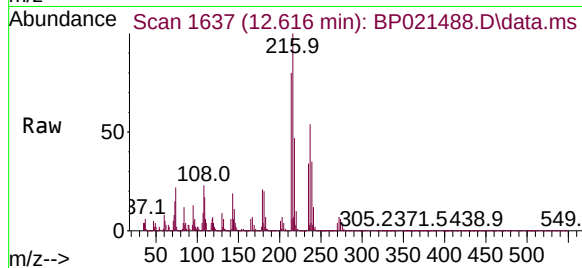
108 20.4 16.7 25.1





#41  
Hexachlorocyclopentadiene  
Concen: 91.971 ng  
RT: 12.616 min Scan# 1637  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

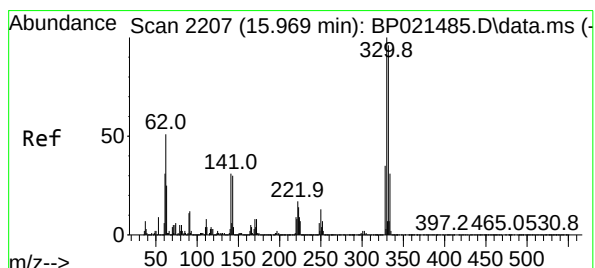
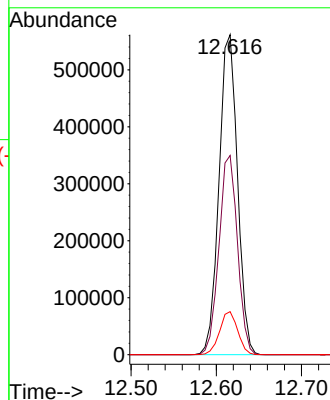
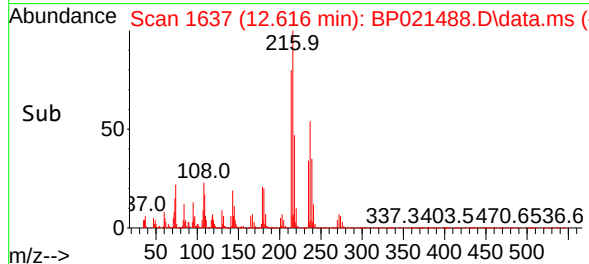
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC080



Tgt Ion: 237 Resp: 847184  
Ion Ratio Lower Upper  
237 100  
235 62.3 43.9 83.9  
272 13.4 0.0 33.3

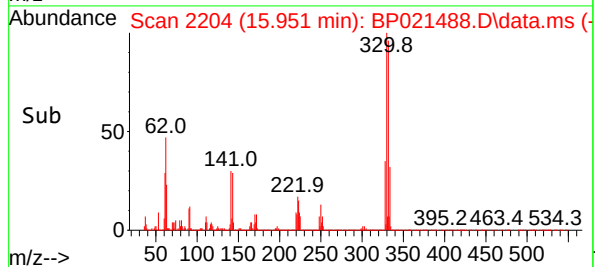
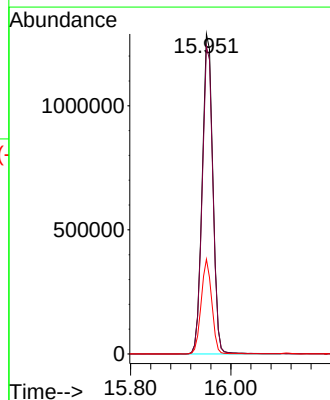
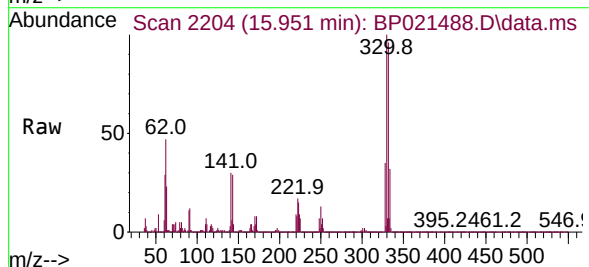
Manual Integrations  
APPROVED

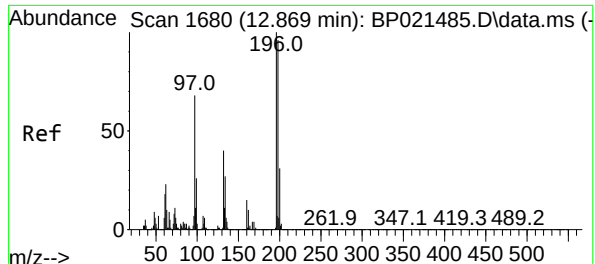
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#42  
2,4,6-Tribromophenol  
Concen: 172.341 ng  
RT: 15.951 min Scan# 2204  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 330 Resp: 1902622  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.4 116.0  
141 29.3 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 90.107 ng

RT: 12.863 min Scan# 1680

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 1454749

Ion Ratio Lower Upper

196 100

198 95.8 76.6 114.8

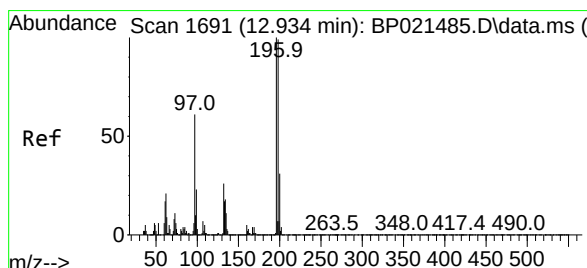
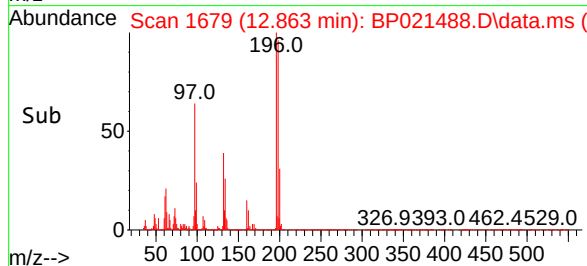
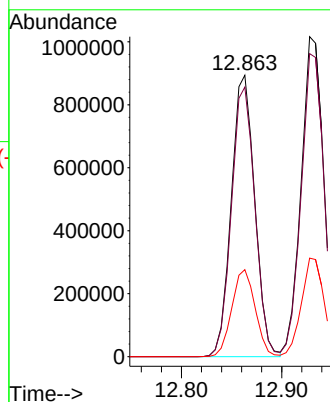
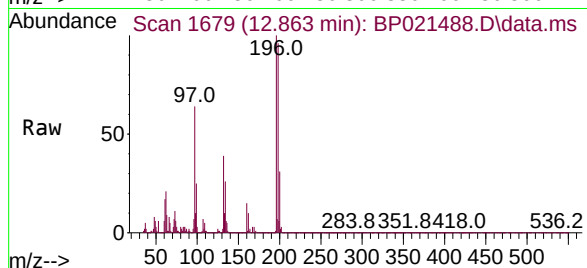
200 30.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 89.412 ng

RT: 12.928 min Scan# 1690

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 1603816

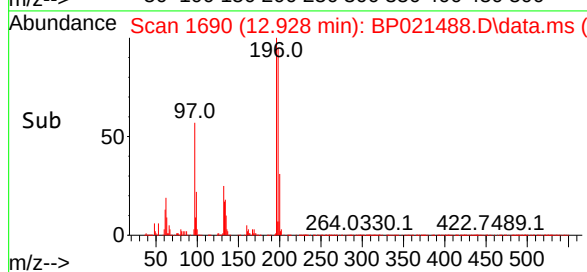
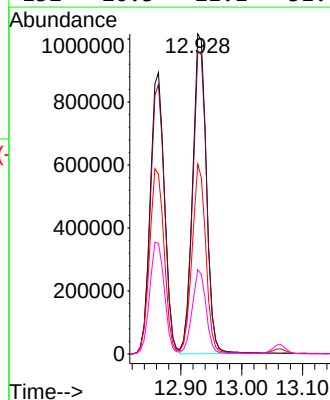
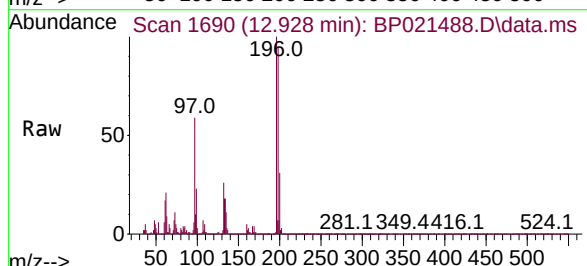
Ion Ratio Lower Upper

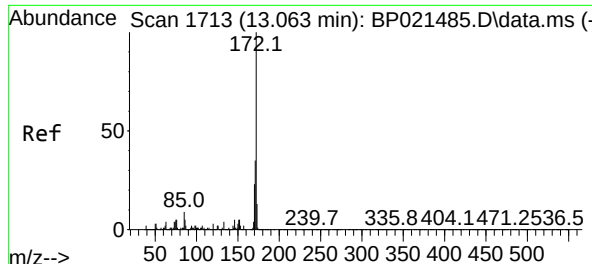
196 100

198 94.7 78.9 118.3

97 59.3 49.4 74.0

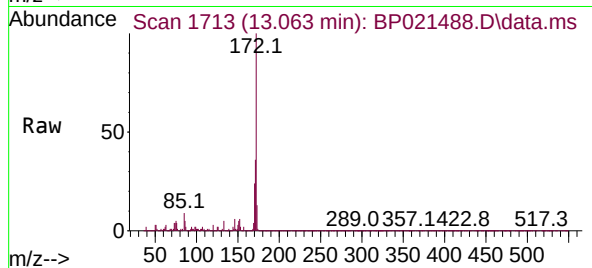
132 26.3 21.1 31.7





#45  
2-Fluorobiphenyl  
Concen: 153.020 ng  
RT: 13.063 min Scan# 1713  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

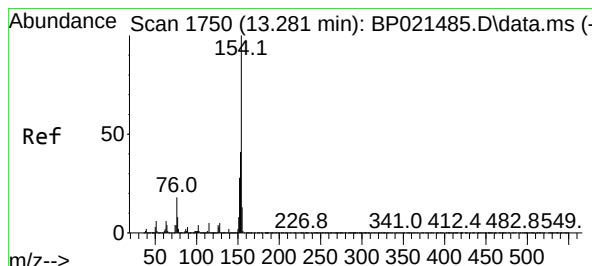
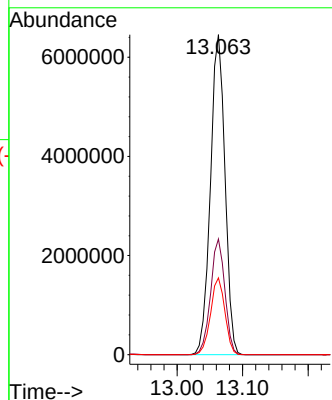
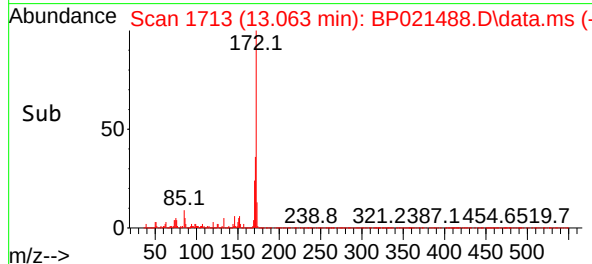
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



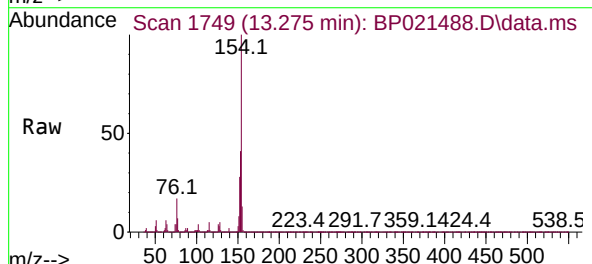
Tgt Ion:172 Resp: 9945684  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.2 42.4  
170 24.0 18.4 27.6

Manual Integrations  
APPROVED

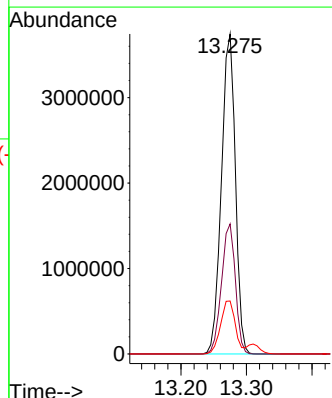
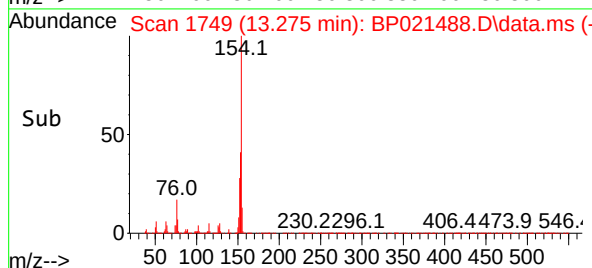
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



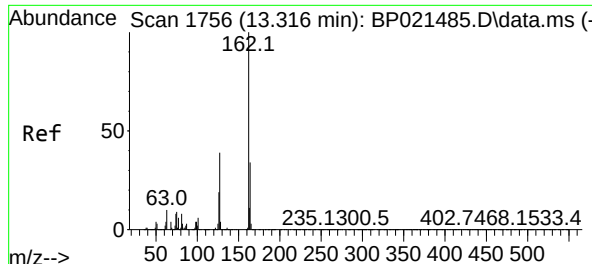
#46  
1,1'-Biphenyl  
Concen: 78.343 ng  
RT: 13.275 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36



Tgt Ion:154 Resp: 5498161  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.7 60.7  
76 16.6 0.0 37.7







#47

2-Chloronaphthalene

Concen: 78.980 ng

RT: 13.310 min Scan# 1755

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 4315309

Ion Ratio Lower Upper

162 100

127 40.9 31.9 47.9

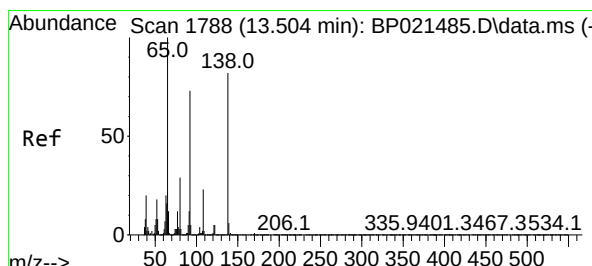
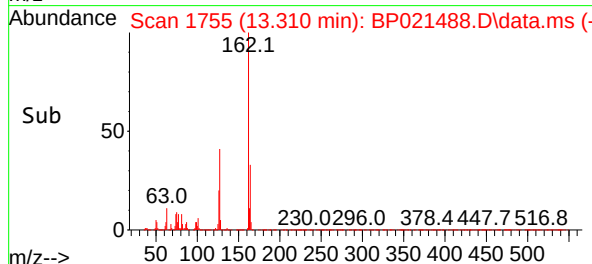
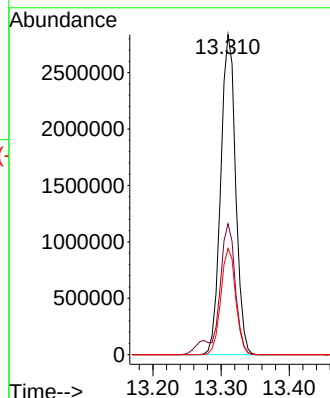
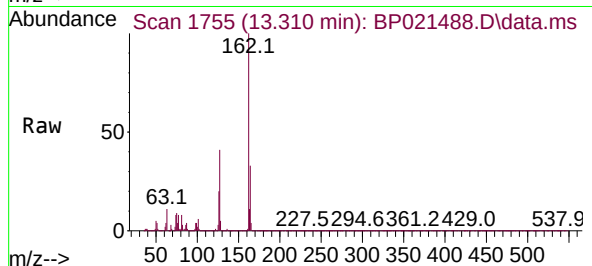
164 33.2 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 81.000 ng

RT: 13.504 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

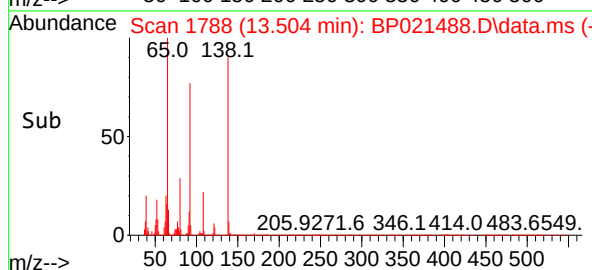
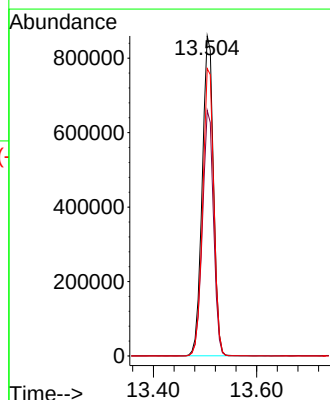
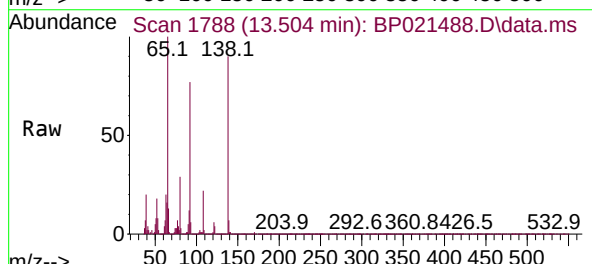
Tgt Ion: 65 Resp: 1301093

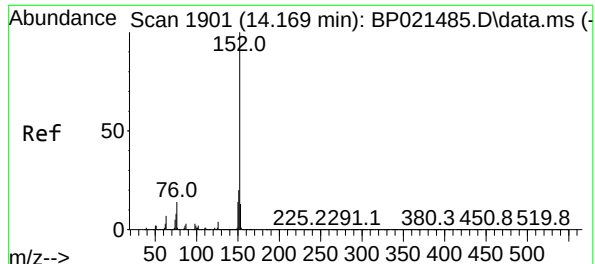
Ion Ratio Lower Upper

65 100

92 76.7 58.1 87.1

138 89.8 65.5 98.3





#49

Acenaphthylene

Concen: 77.556 ng

RT: 14.169 min Scan# 1901

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 6229370

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

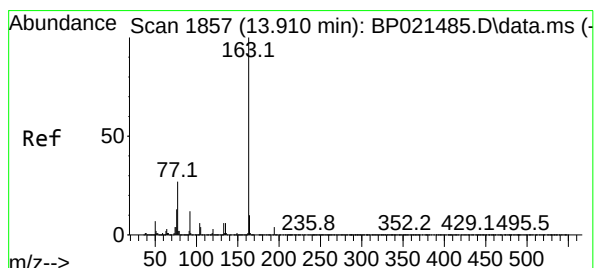
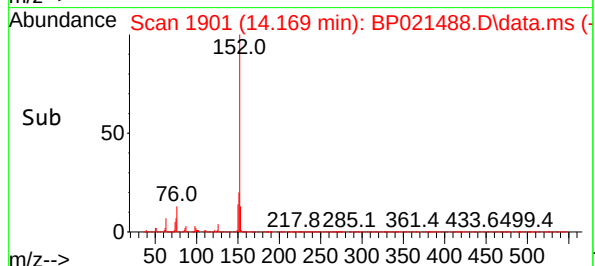
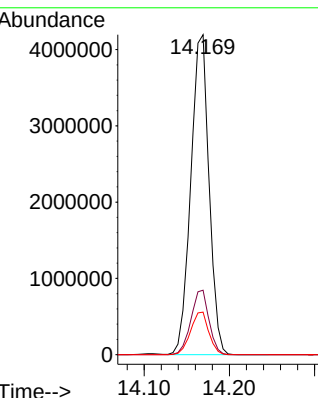
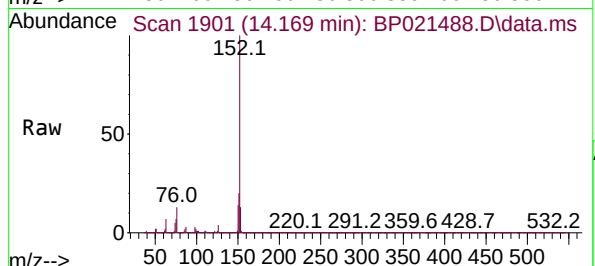
153 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 76.844 ng

RT: 13.904 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

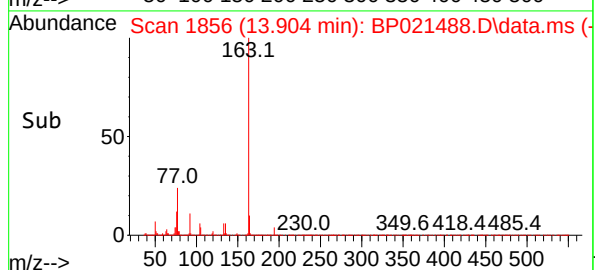
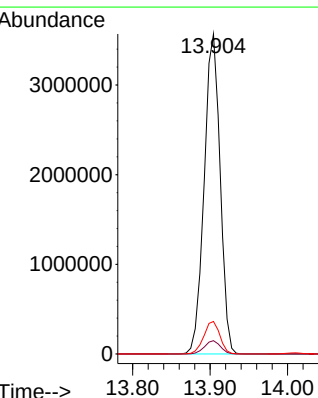
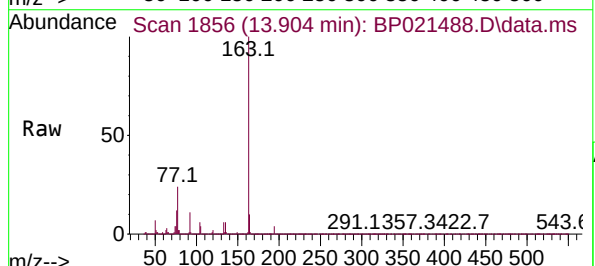
Tgt Ion:163 Resp: 5104657

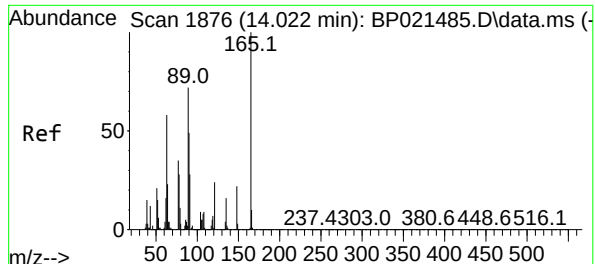
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.2 8.3 12.5





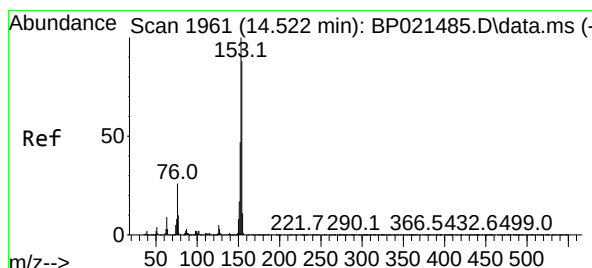
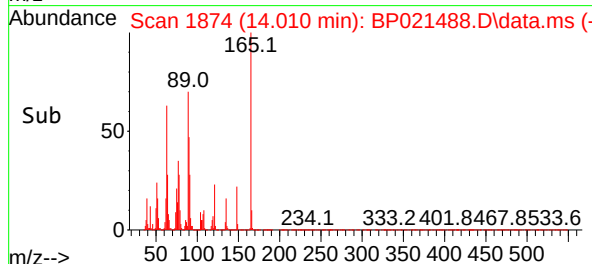
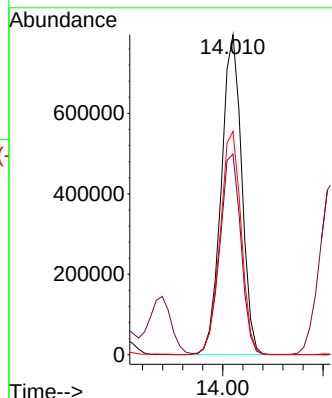
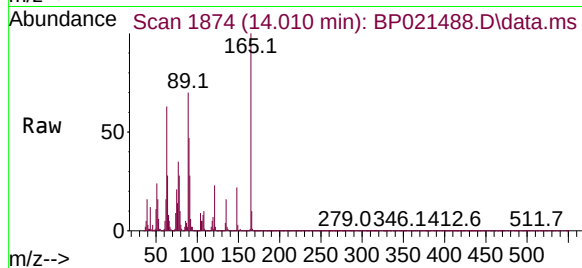
#51  
2,6-Dinitrotoluene  
Concen: 80.745 ng  
RT: 14.010 min Scan# 1876  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080

Tgt Ion:165 Resp: 1121870  
Ion Ratio Lower Upper  
165 100  
63 62.7 51.5 77.3  
89 69.8 57.8 86.8

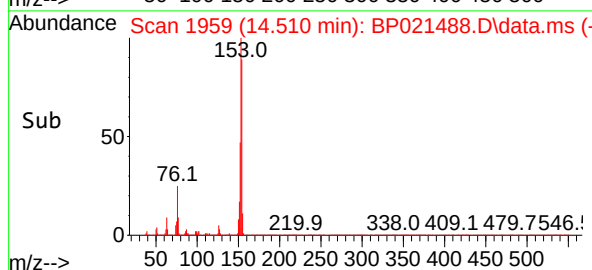
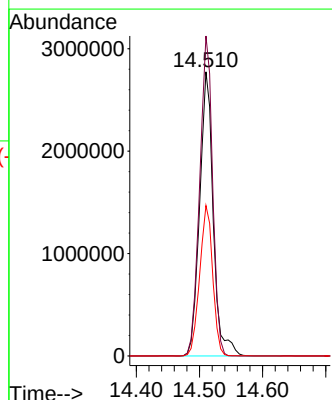
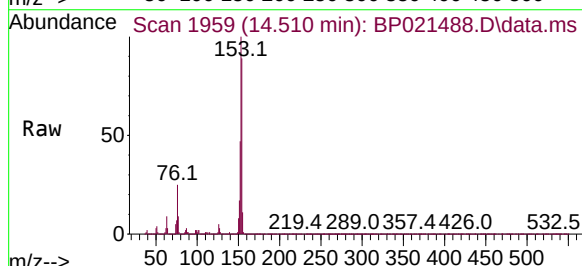
Manual Integrations  
APPROVED

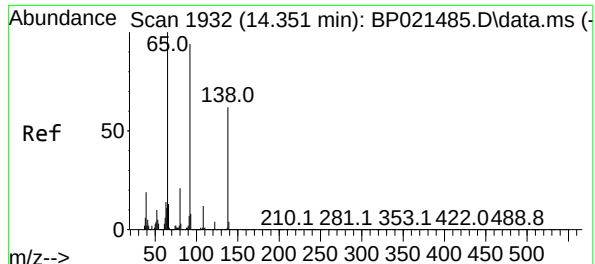
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#52  
Acenaphthene  
Concen: 78.480 ng  
RT: 14.510 min Scan# 1959  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

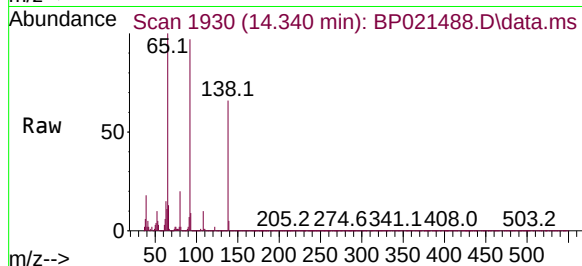
Tgt Ion:154 Resp: 4136001  
Ion Ratio Lower Upper  
154 100  
153 112.6 91.1 136.7  
152 52.9 43.0 64.4





#53  
3-Nitroaniline  
Concen: 80.567 ng  
RT: 14.340 min Scan# 1930  
Delta R.T. -0.011 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

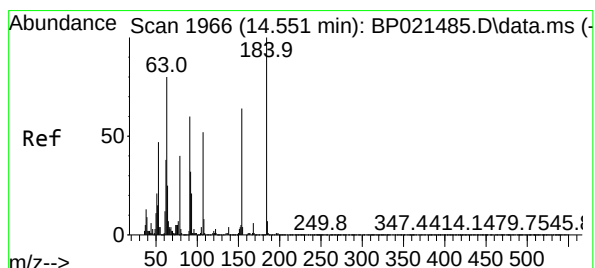
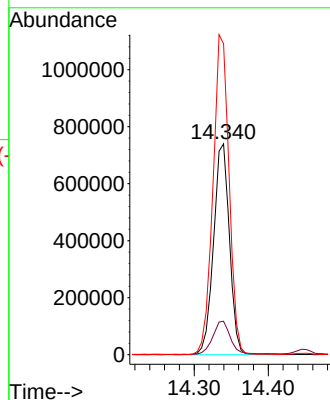
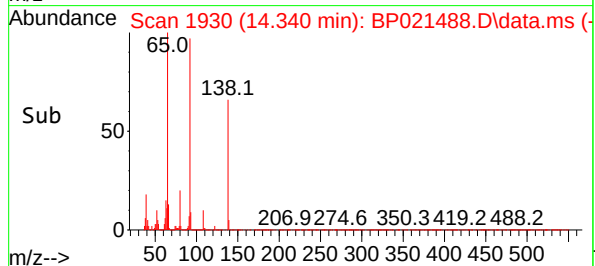
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:138 Resp: 1100154  
Ion Ratio Lower Upper  
138 100  
108 15.9 16.2 24.4  
92 147.4 122.2 183.4

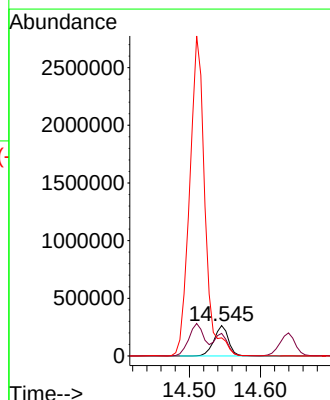
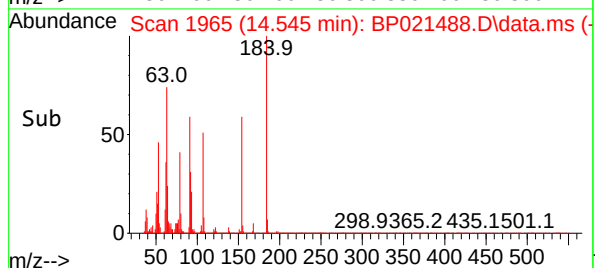
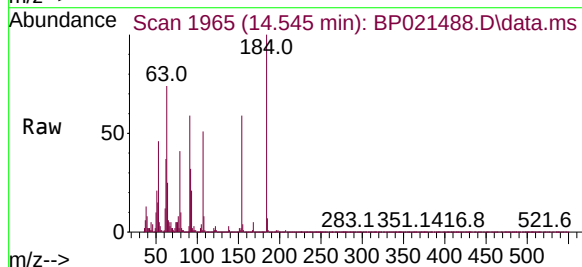
Manual Integrations  
APPROVED

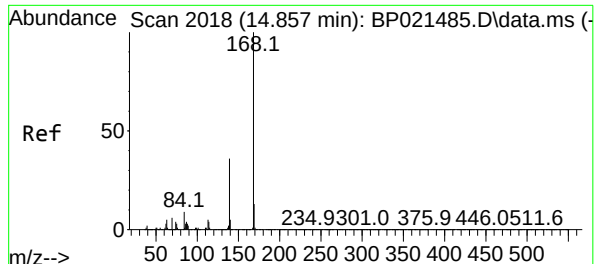
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#54  
2,4-Dinitrophenol  
Concen: 79.528 ng  
RT: 14.545 min Scan# 1965  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 370353  
Ion Ratio Lower Upper  
184 100  
63 74.3 64.9 97.3  
154 59.3 52.1 78.1





#55

Dibenzenofuran

Concen: 77.067 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 6247950

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

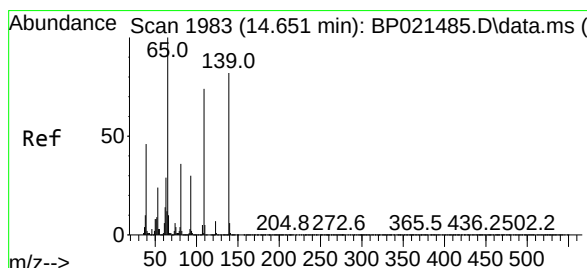
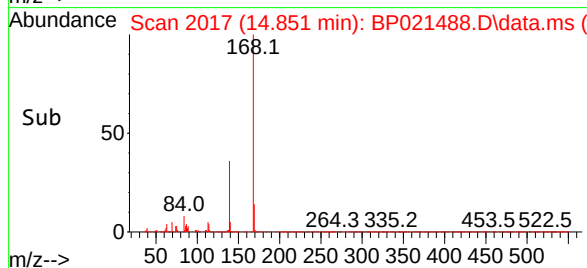
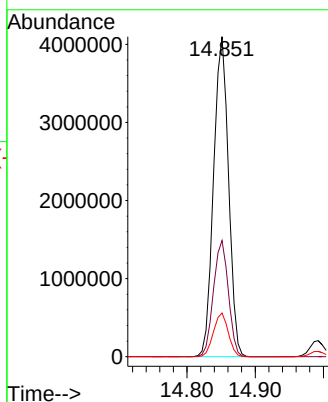
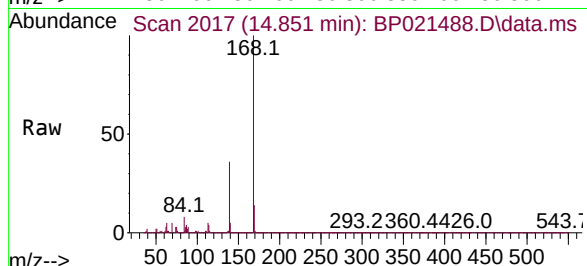
169 13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#56

4-Nitrophenol

Concen: 80.388 ng

RT: 14.640 min Scan# 1981

Delta R.T. -0.011 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

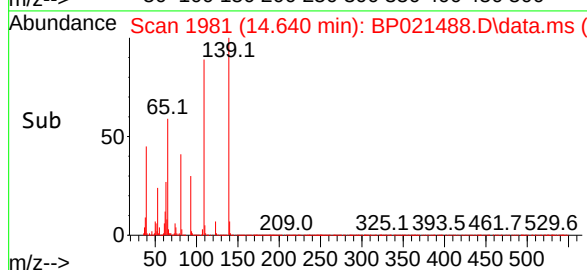
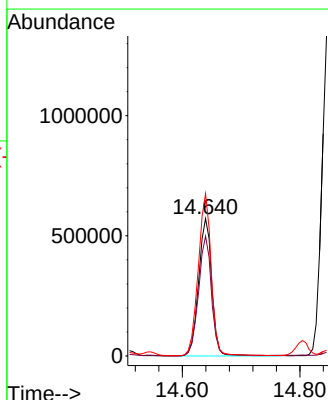
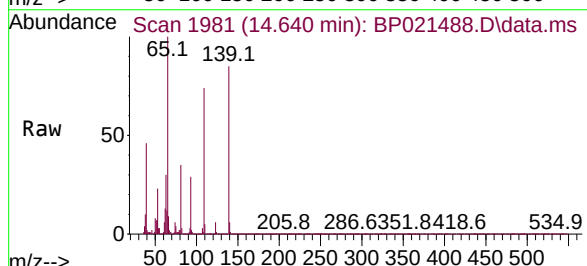
Tgt Ion:139 Resp: 885944

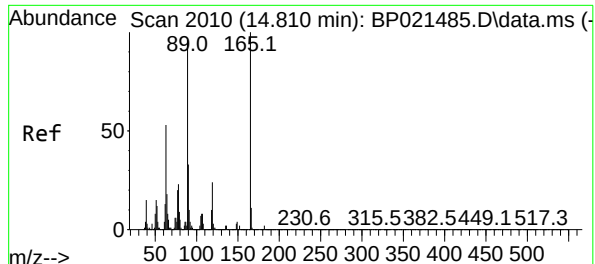
Ion Ratio Lower Upper

139 100

109 87.2 70.2 110.2

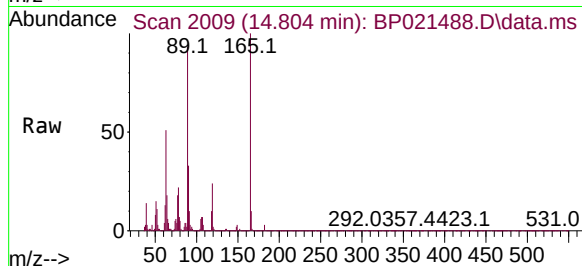
65 117.9 101.8 141.8





#57  
2,4-Dinitrotoluene  
Concen: 81.172 ng  
RT: 14.804 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

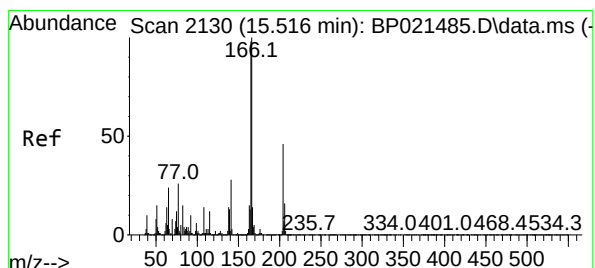
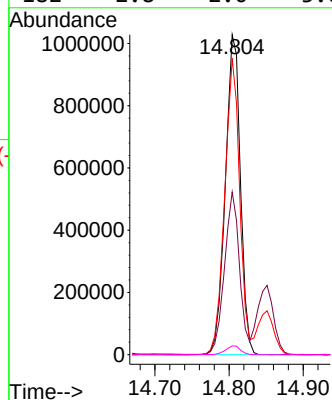
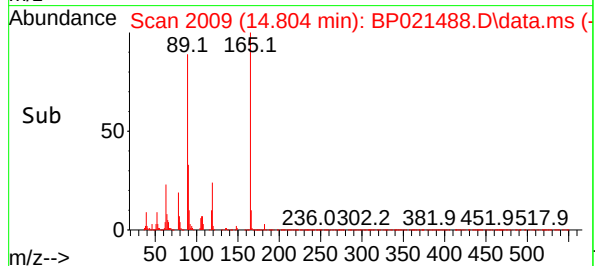
Instrument :  
BNA\_P  
Client Sample Id :  
SSTDICC080



Tgt Ion:165 Resp: 144969  
Ion Ratio Lower Upper  
165 100  
63 50.8 42.5 63.7  
89 92.6 77.1 115.7  
182 2.8 2.0 3.0

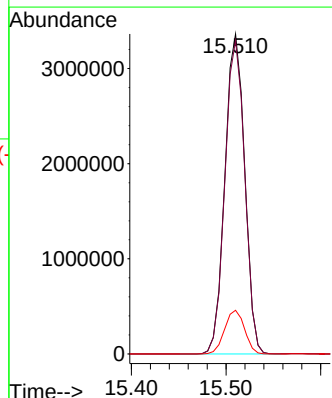
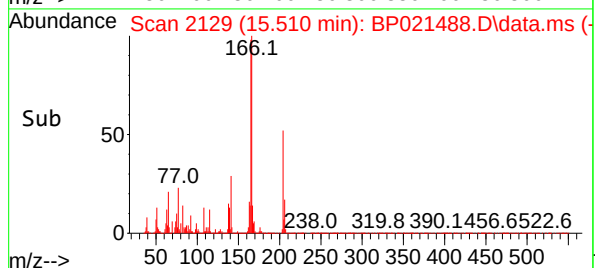
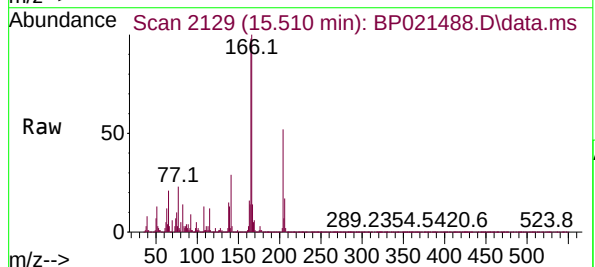
Manual Integrations  
APPROVED

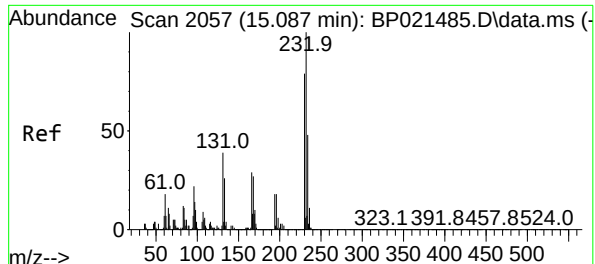
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#58  
Fluorene  
Concen: 73.441 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:166 Resp: 4891299  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.1 117.1  
167 13.6 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 86.863 ng

RT: 15.075 min Scan# 2055

Delta R.T. -0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:232 Resp: 1322480

Ion Ratio Lower Upper

232 100

131 41.2 33.1 49.7

130 2.1 1.7 2.5

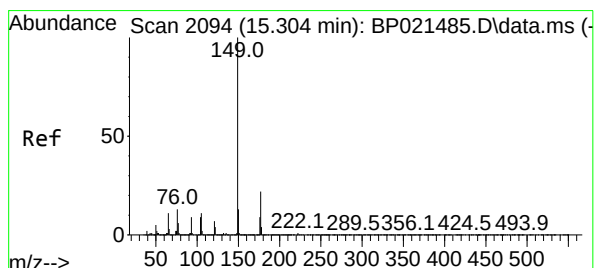
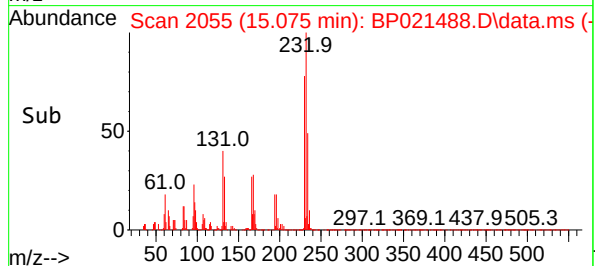
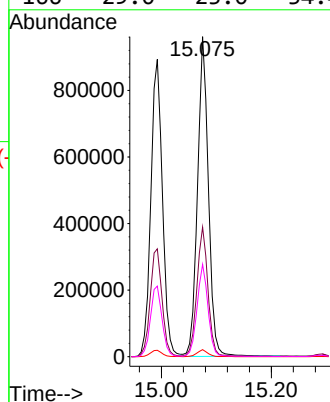
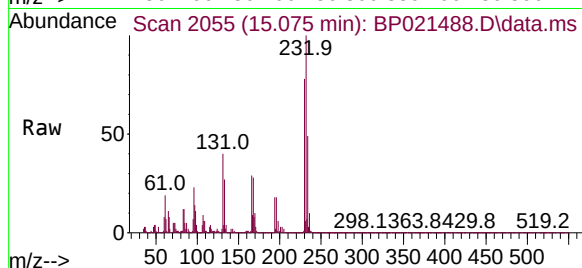
166 29.0 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#60

Diethylphthalate

Concen: 76.268 ng

RT: 15.292 min Scan# 2092

Delta R.T. -0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

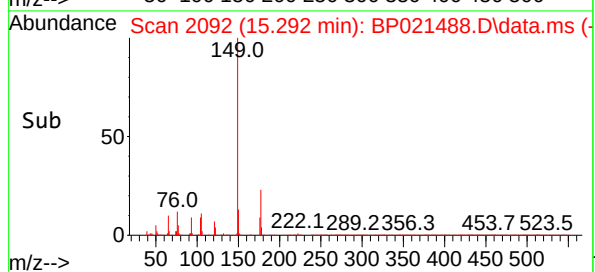
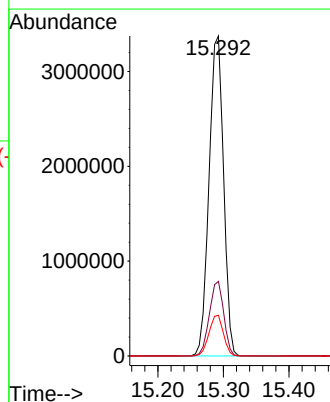
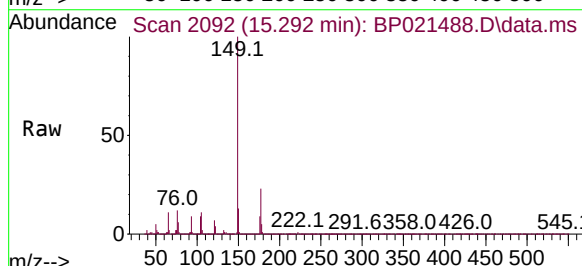
Tgt Ion:149 Resp: 5198353

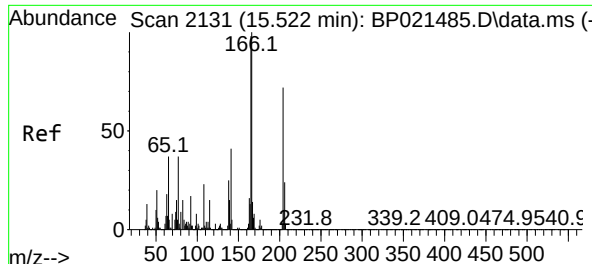
Ion Ratio Lower Upper

149 100

177 23.3 17.8 26.8

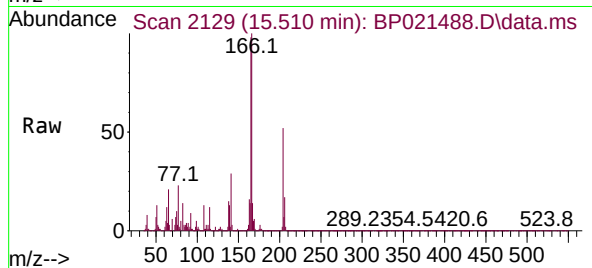
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 74.256 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

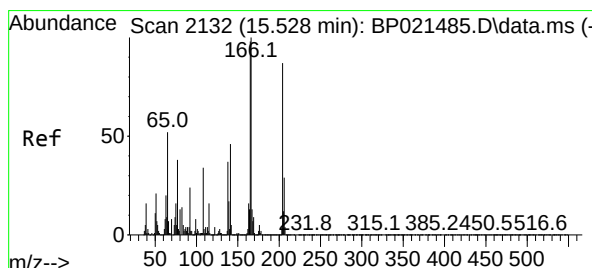
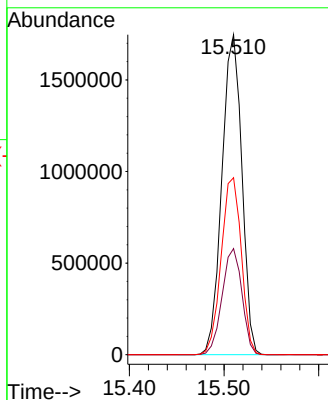
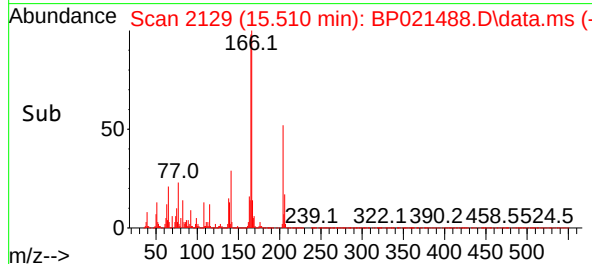
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion: 204 Resp: 2556419  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.4 39.6  
141 55.3 46.1 69.1

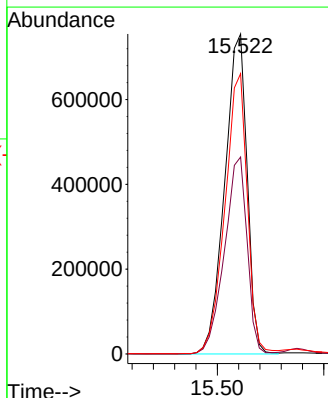
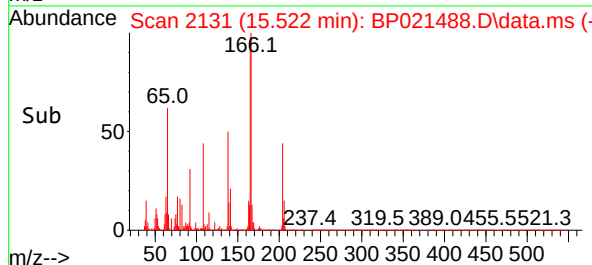
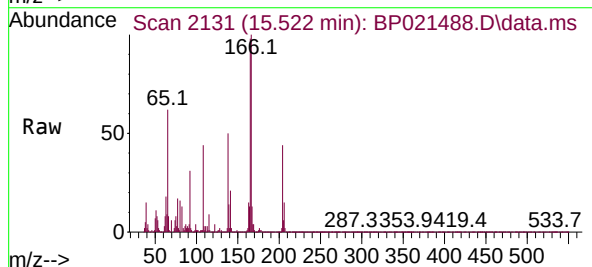
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024

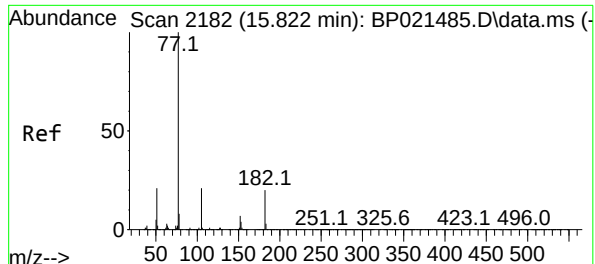


#62  
4-Nitroaniline  
Concen: 79.329 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 138 Resp: 1101954  
Ion Ratio Lower Upper  
138 100  
92 61.5 46.4 86.4  
108 87.6 73.2 113.2

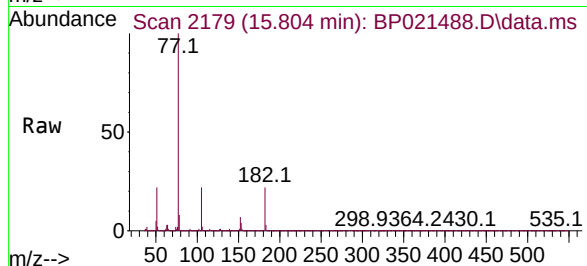






#63  
Azobenzene  
Concen: 73.633 ng  
RT: 15.804 min Scan# 2182  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

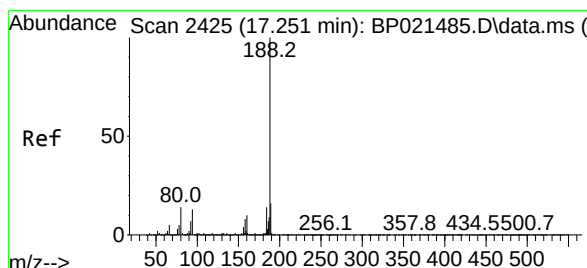
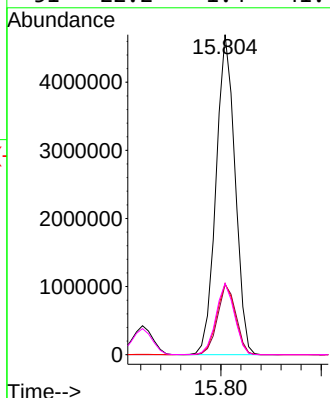
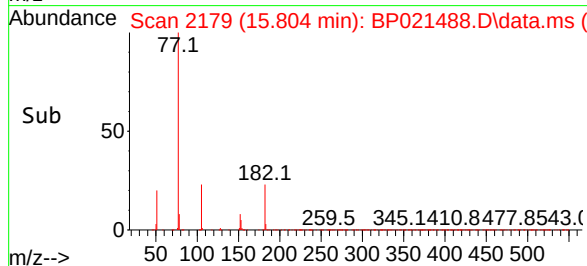
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion: 77 Resp: 616925  
Ion Ratio Lower Upper  
77 100  
182 22.0 0.0 39.9  
105 22.2 0.9 40.9  
51 22.2 1.4 41.4

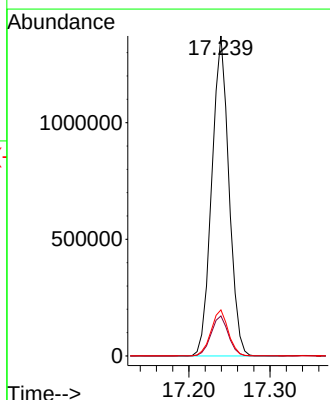
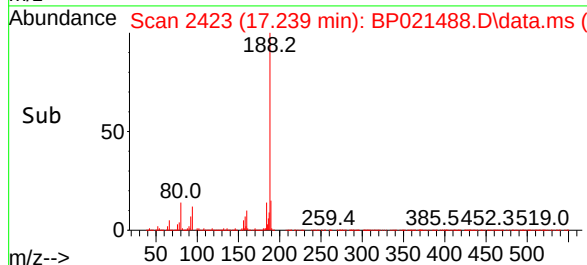
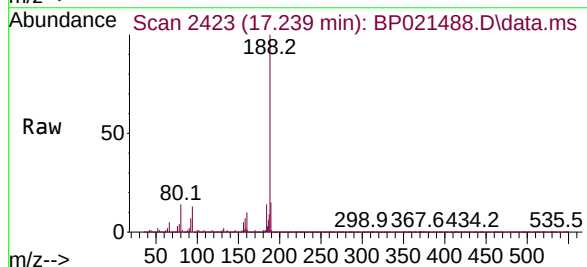
Manual Integrations  
APPROVED

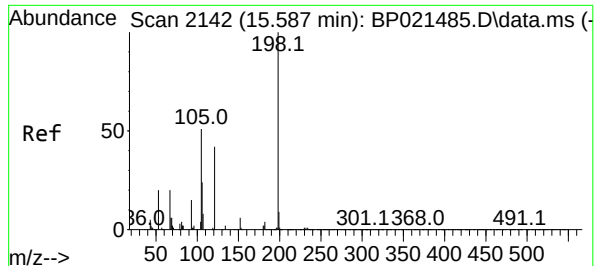
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.239 min Scan# 2423  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:188 Resp: 2007991  
Ion Ratio Lower Upper  
188 100  
94 12.5 10.2 15.4  
80 14.4 11.6 17.4





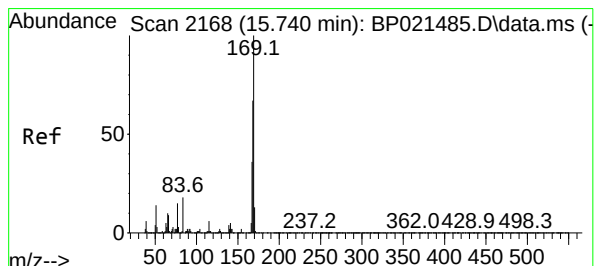
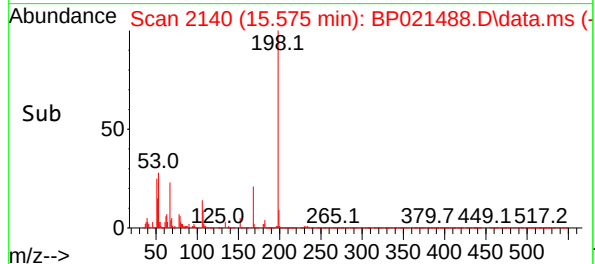
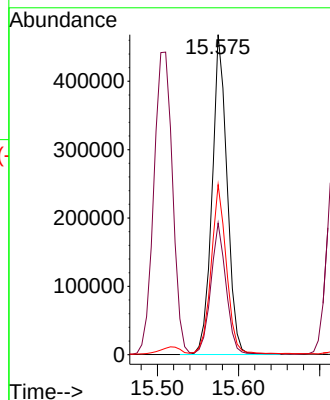
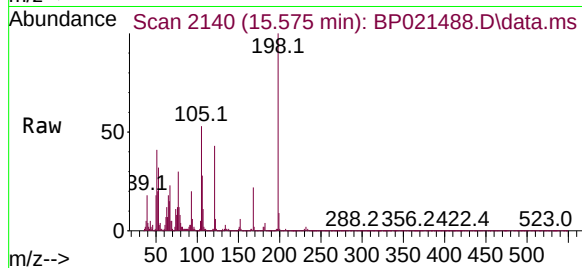
#65  
4,6-Dinitro-2-methylphenol  
Concen: 79.442 ng  
RT: 15.575 min Scan# 2140  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080

Tgt Ion:198 Resp: 600088  
Ion Ratio Lower Upper  
198 100  
51 41.2 21.5 61.5  
105 53.1 32.9 72.9

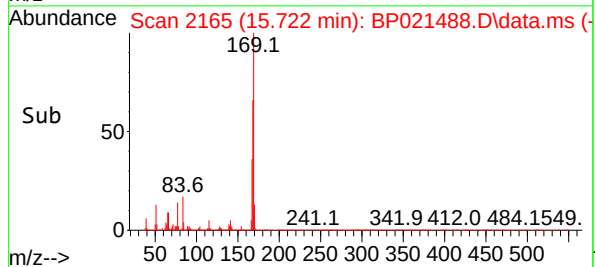
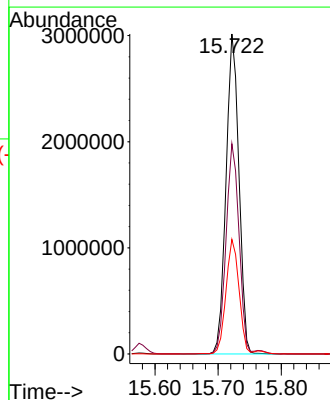
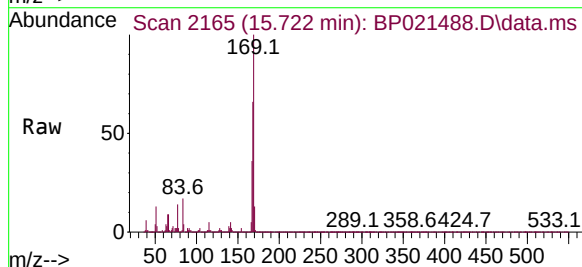
Manual Integrations  
APPROVED

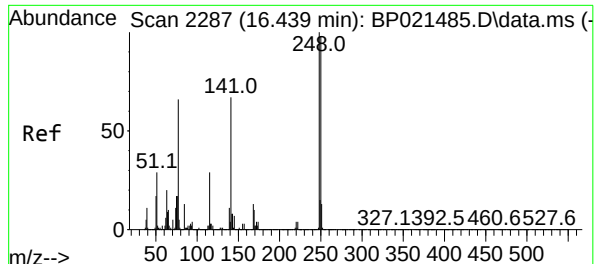
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#66  
n-Nitrosodiphenylamine  
Concen: 79.247 ng  
RT: 15.722 min Scan# 2165  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:169 Resp: 4264380  
Ion Ratio Lower Upper  
169 100  
168 65.7 53.4 80.2  
167 35.8 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 81.480 ng

RT: 16.416 min Scan# 2287

Delta R.T. -0.024 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:248 Resp: 1731598

Ion Ratio Lower Upper

248 100

250 97.7 78.6 117.8

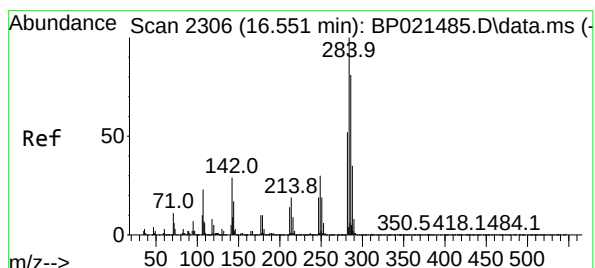
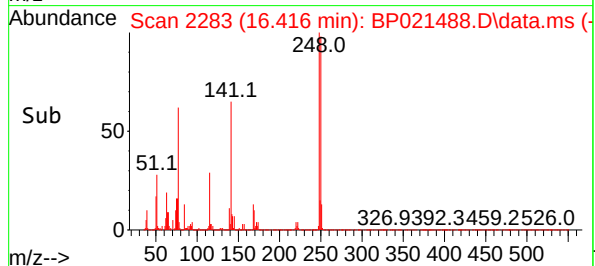
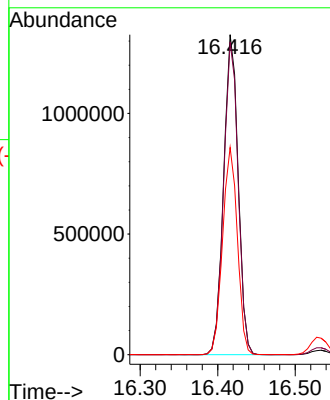
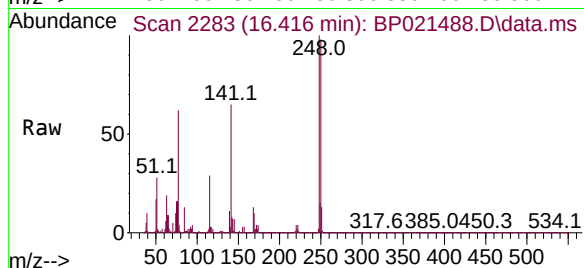
141 64.7 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 79.402 ng

RT: 16.534 min Scan# 2303

Delta R.T. -0.018 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

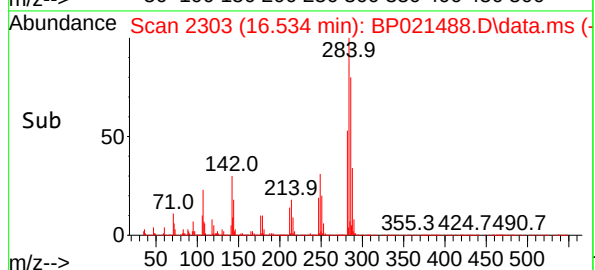
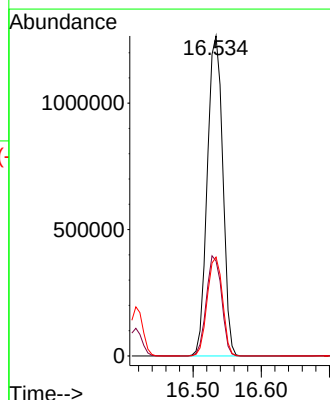
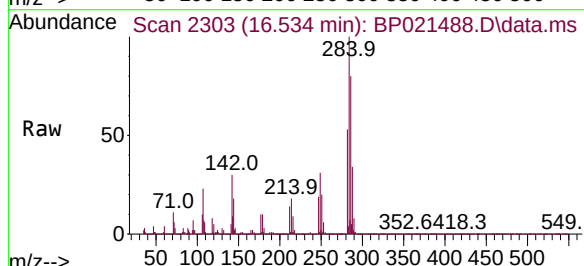
Tgt Ion:284 Resp: 1994136

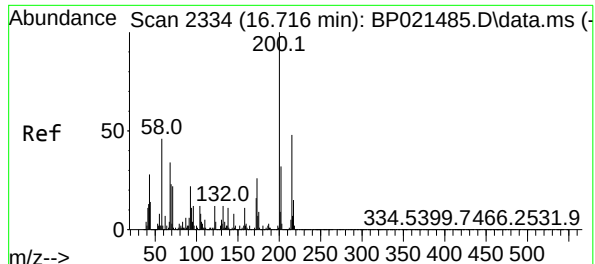
Ion Ratio Lower Upper

284 100

142 29.7 23.4 35.2

249 30.9 24.1 36.1





#69

Atrazine

Concen: 75.542 ng

RT: 16.698 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 139564

Ion Ratio Lower Upper

200 100

173 26.1 6.2 46.2

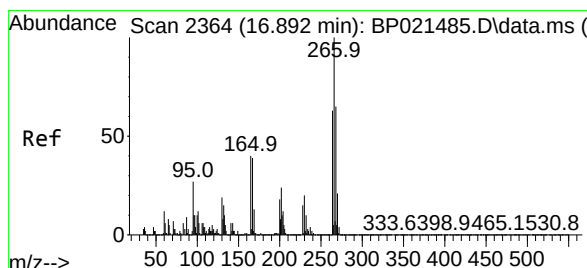
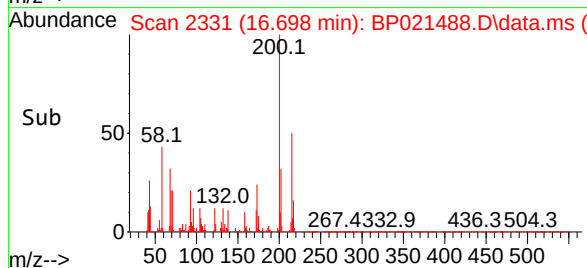
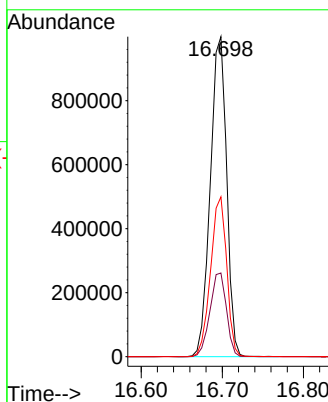
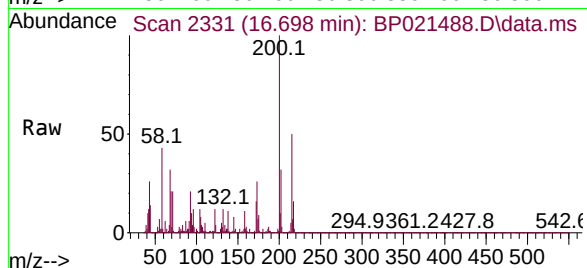
215 49.9 28.4 68.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 91.649 ng

RT: 16.881 min Scan# 2362

Delta R.T. -0.011 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

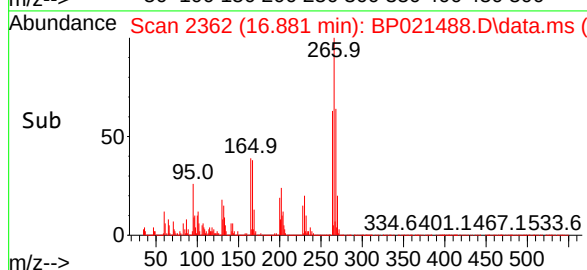
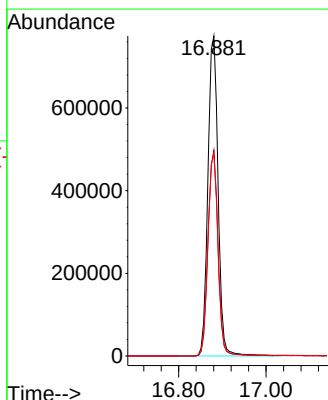
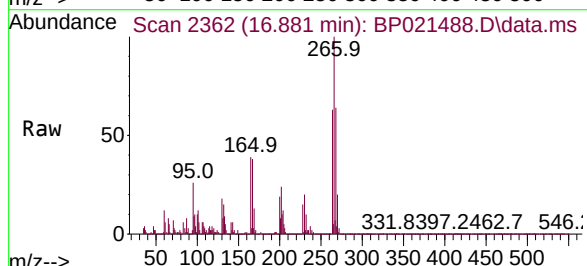
Tgt Ion:266 Resp: 1256277

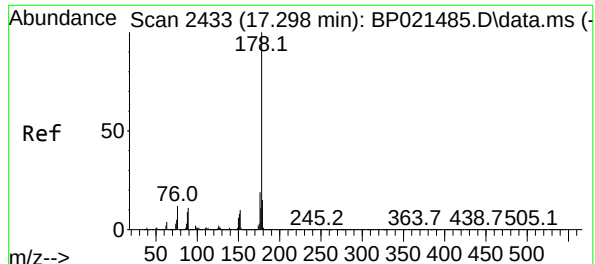
Ion Ratio Lower Upper

266 100

268 64.2 51.8 77.6

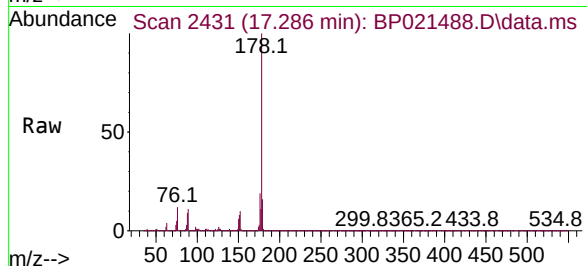
264 63.3 50.5 75.7





#71  
Phenanthrene  
Concen: 77.481 ng  
RT: 17.286 min Scan# 2433  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

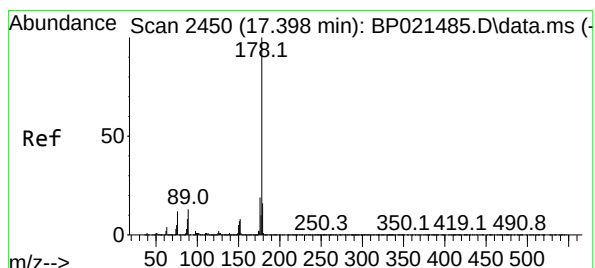
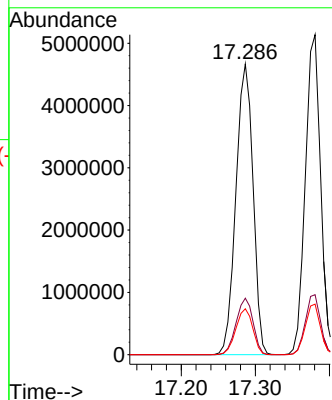
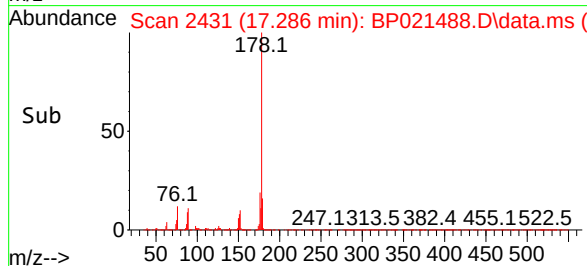
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:178 Resp: 7482235  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.2  
179 15.8 12.4 18.6

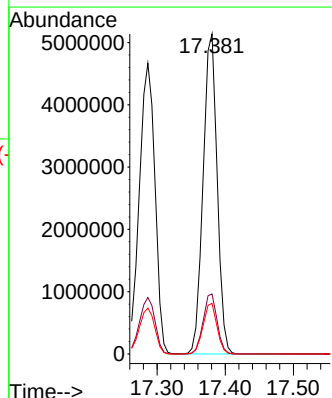
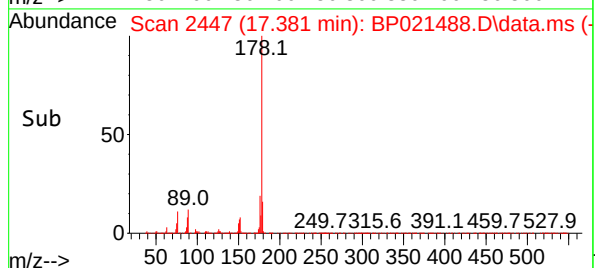
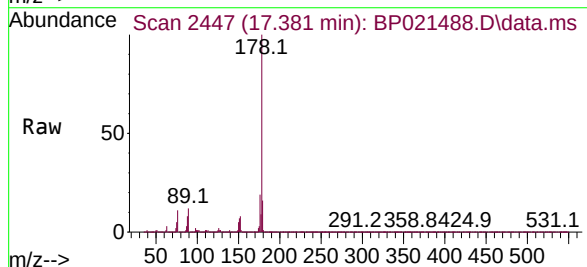
Manual Integrations  
APPROVED

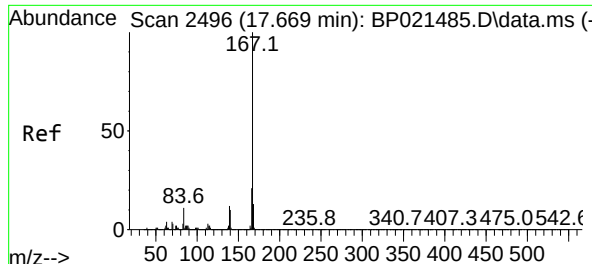
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 77.613 ng  
RT: 17.381 min Scan# 2447  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

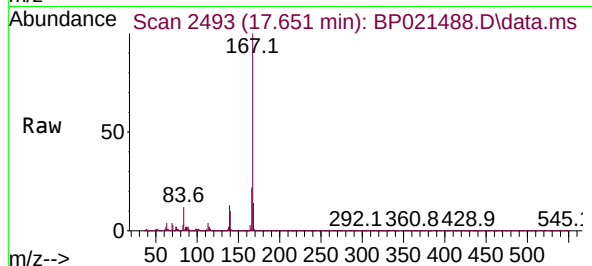
Tgt Ion:178 Resp: 7350512  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.9 22.3  
179 15.8 12.5 18.7





#73  
Carbazole  
Concen: 78.491 ng  
RT: 17.651 min Scan# 2493  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

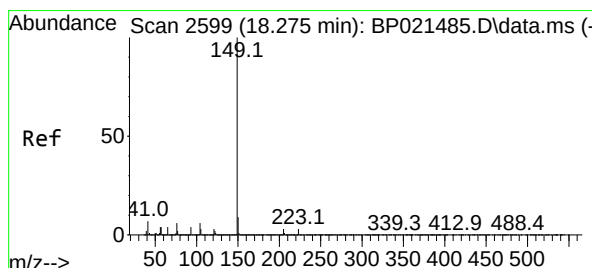
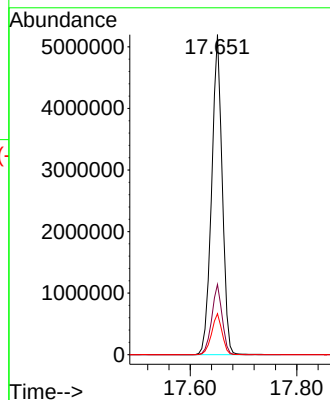
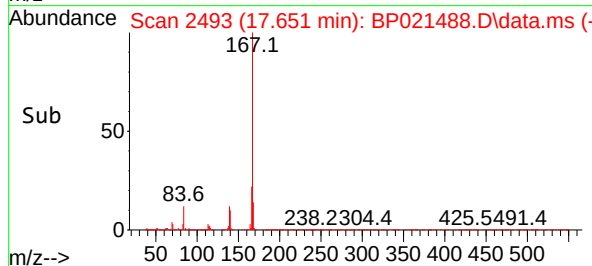
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:167 Resp: 716394  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.0 25.4  
139 12.8 9.9 14.9

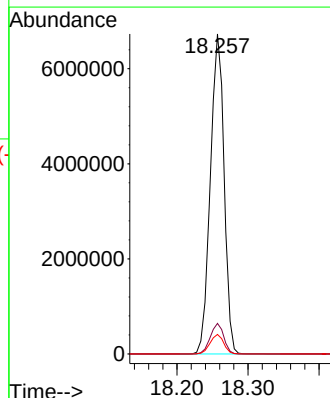
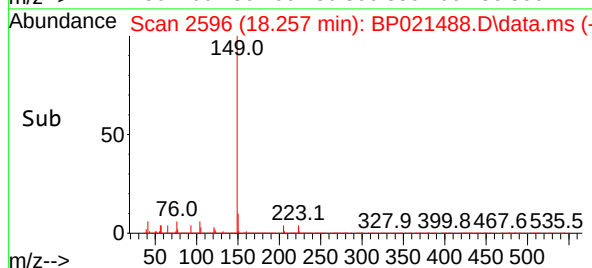
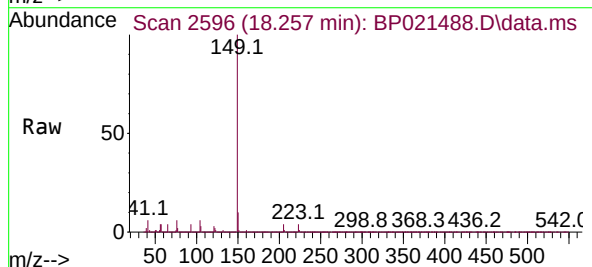
Manual Integrations  
APPROVED

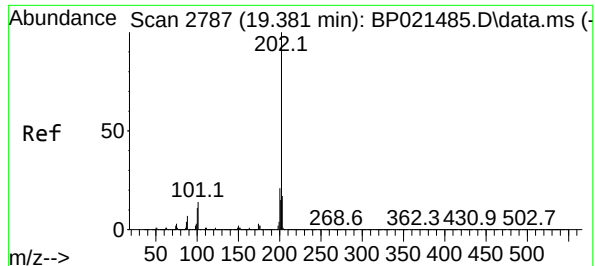
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 80.689 ng  
RT: 18.257 min Scan# 2596  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

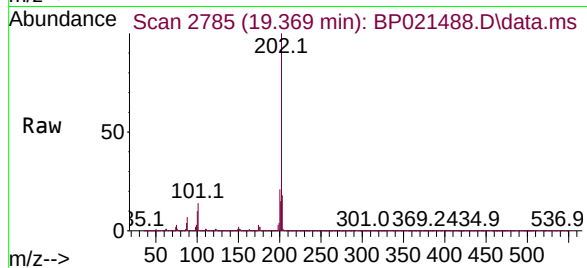
Tgt Ion:149 Resp: 9044596  
Ion Ratio Lower Upper  
149 100  
150 9.6 7.5 11.3  
104 6.1 4.9 7.3





#75  
Fluoranthene  
Concen: 77.525 ng  
RT: 19.369 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

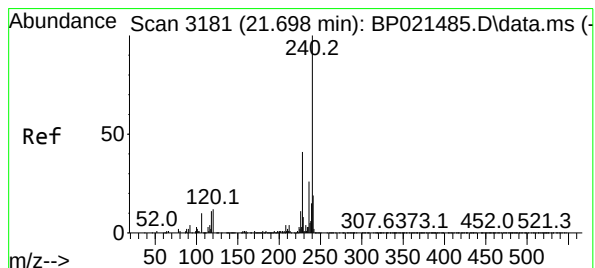
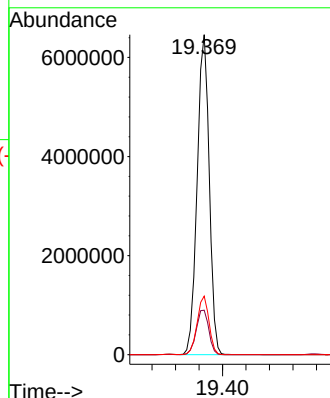
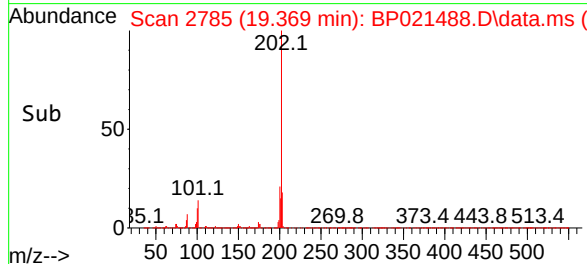
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:202 Resp: 918583  
Ion Ratio Lower Upper  
202 100  
101 13.9 0.0 34.0  
203 18.3 0.0 37.5

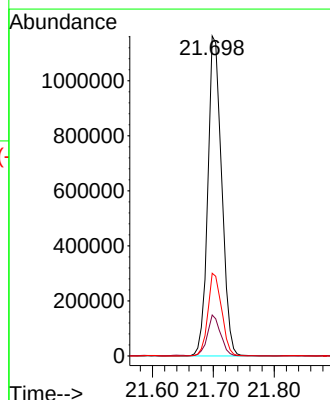
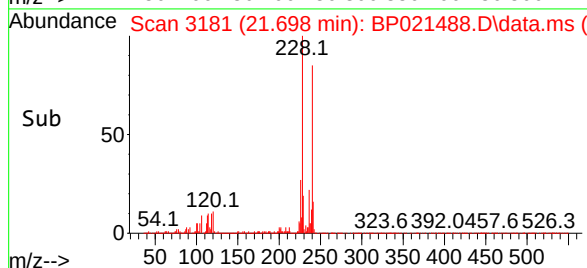
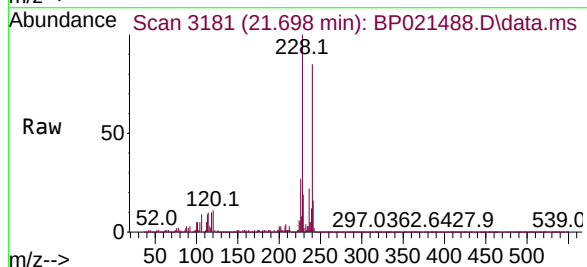
Manual Integrations  
APPROVED

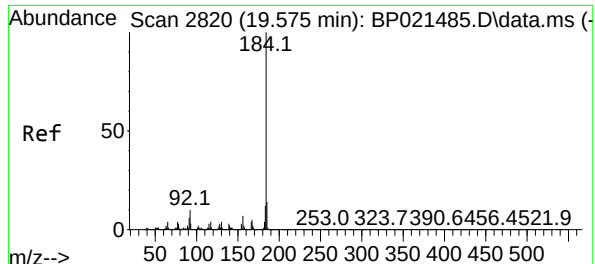
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.698 min Scan# 3181  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

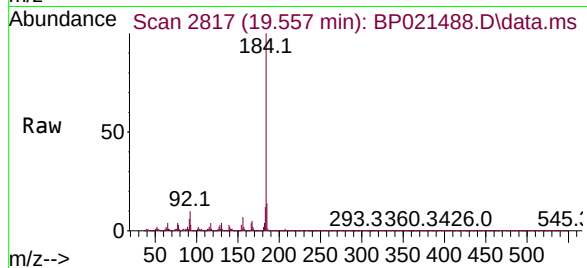
Tgt Ion:240 Resp: 1834396  
Ion Ratio Lower Upper  
240 100  
120 12.8 9.9 14.9  
236 25.8 20.6 30.8





#77  
Benzidine  
Concen: 82.290 ng  
RT: 19.557 min Scan# 2817  
Delta R.T. -0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

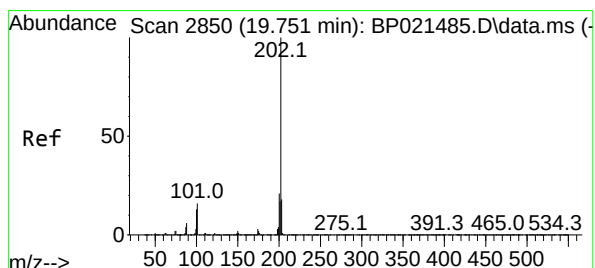
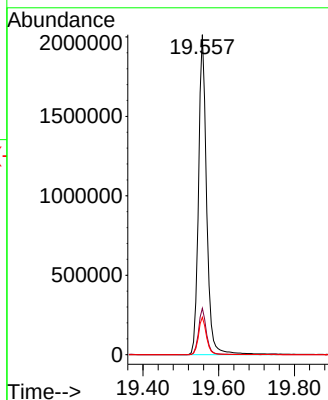
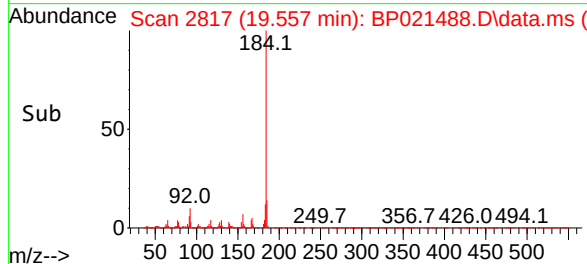
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:184 Resp: 3000610  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.4 17.0  
183 11.7 9.3 13.9

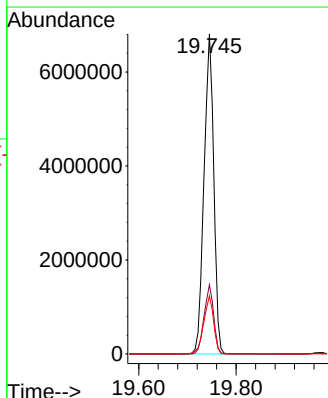
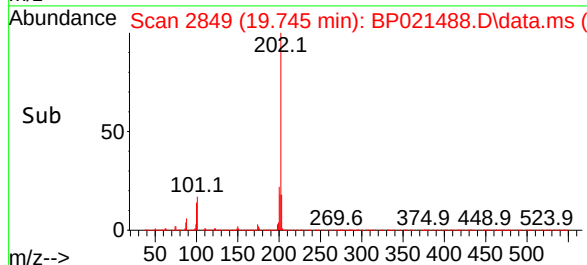
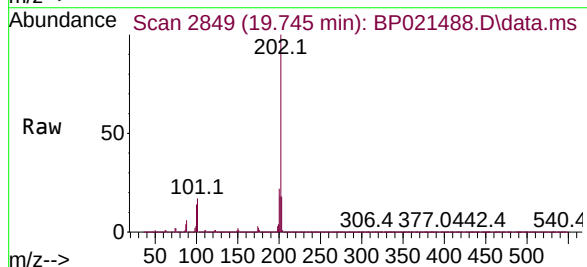
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

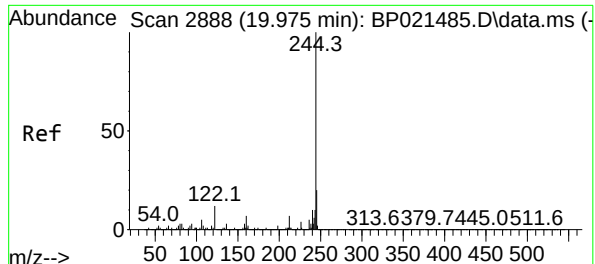


#78  
Pyrene  
Concen: 78.450 ng  
RT: 19.745 min Scan# 2849  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 9406096  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.7 25.1  
203 18.1 14.1 21.1

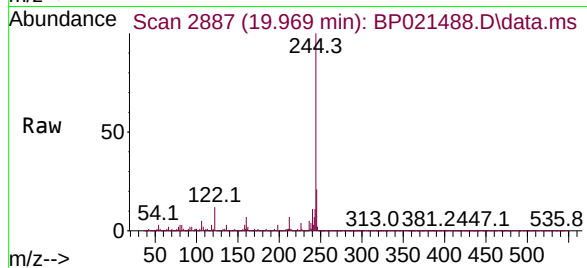






#79  
Terphenyl-d14  
Concen: 145.311 ng  
RT: 19.969 min Scan# 2887  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

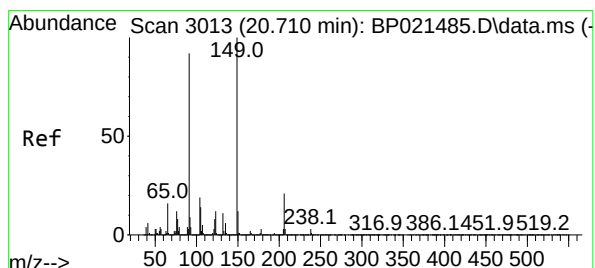
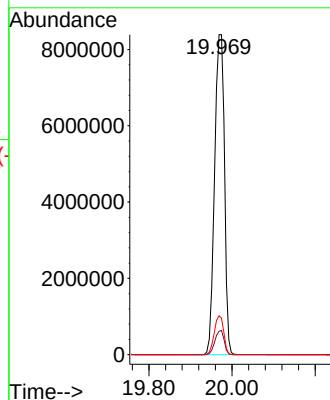
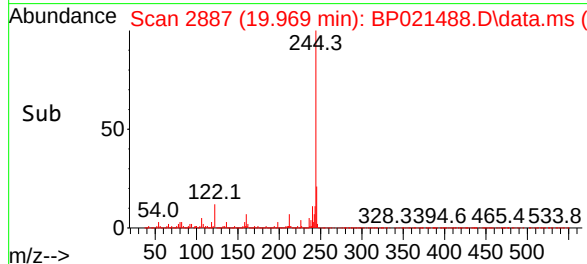
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:244 Resp:1372075  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.6 8.4  
122 12.1 9.4 14.2

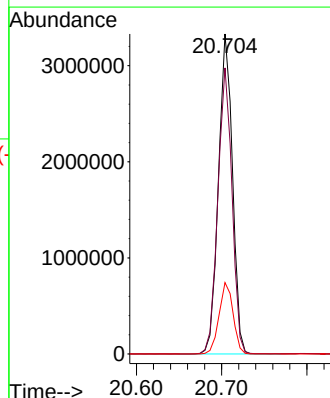
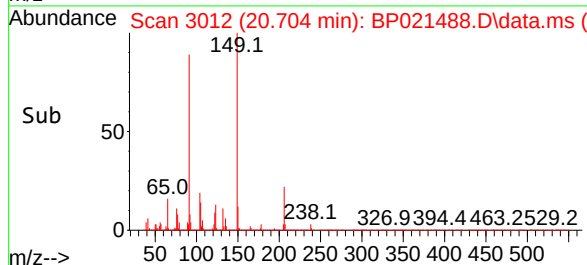
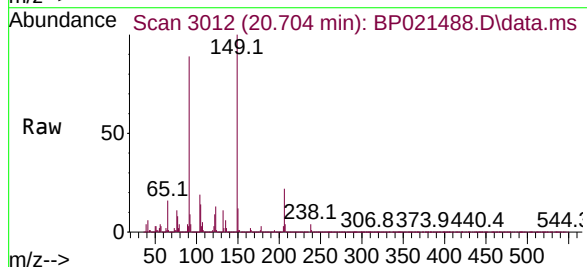
Manual Integrations  
APPROVED

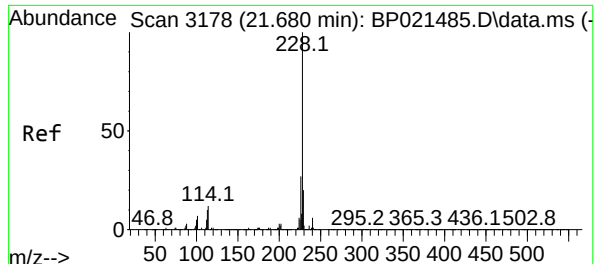
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#80  
Butylbenzylphthalate  
Concen: 80.964 ng  
RT: 20.704 min Scan# 3012  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

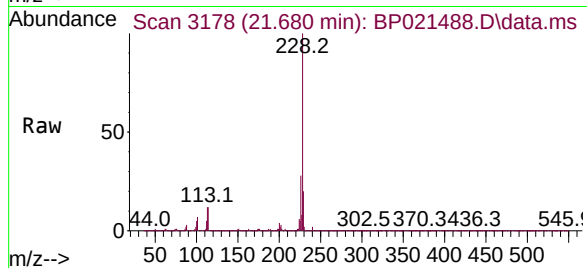
Tgt Ion:149 Resp: 3806046  
Ion Ratio Lower Upper  
149 100  
91 89.4 73.3 109.9  
206 22.3 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 79.168 ng  
RT: 21.680 min Scan# 3178  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

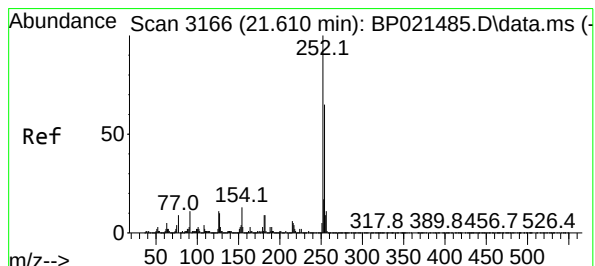
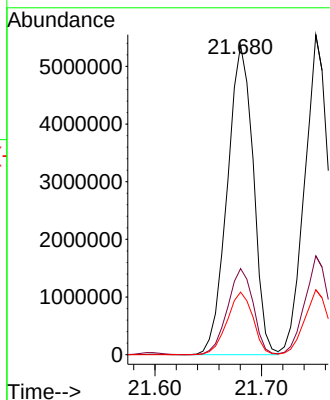
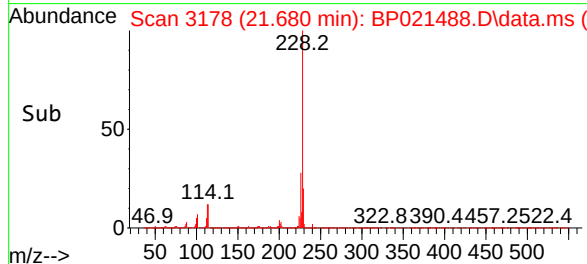
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:228 Resp: 9116699  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.4 32.2  
229 20.2 15.8 23.6

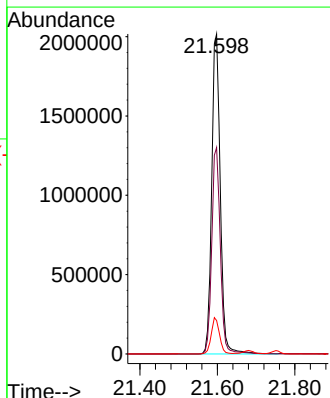
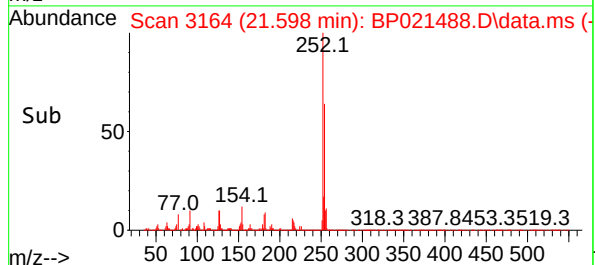
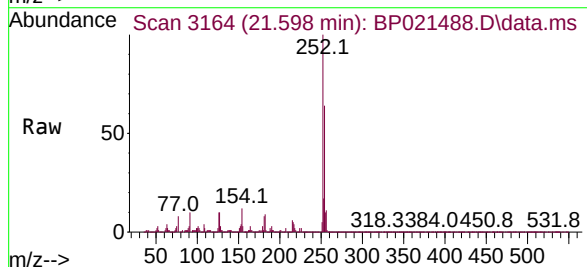
Manual Integrations  
APPROVED

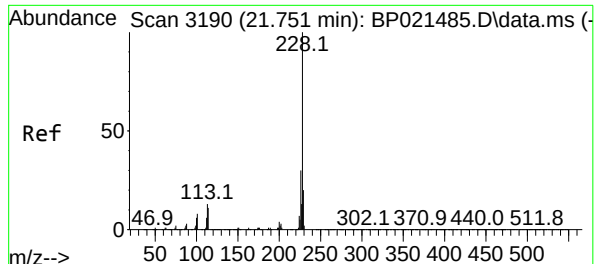
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 83.768 ng  
RT: 21.598 min Scan# 3164  
Delta R.T. -0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

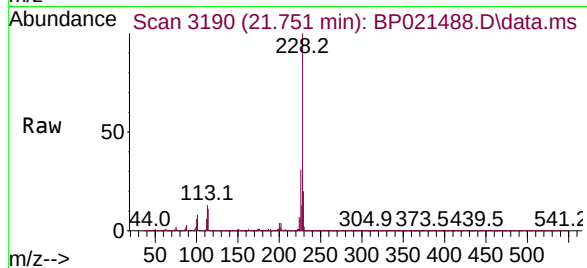
Tgt Ion:252 Resp: 3092890  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.7 77.5  
126 10.4 8.7 13.1





#83  
Chrysene  
Concen: 78.894 ng  
RT: 21.751 min Scan# 3190  
Delta R.T. -0.000 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

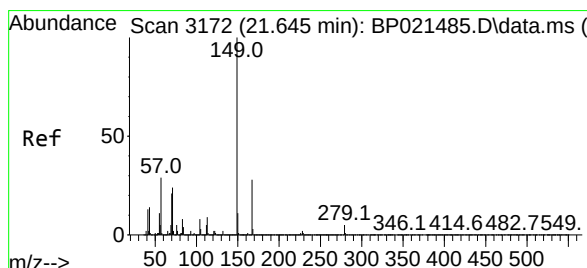
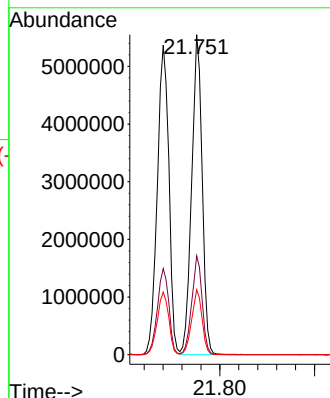
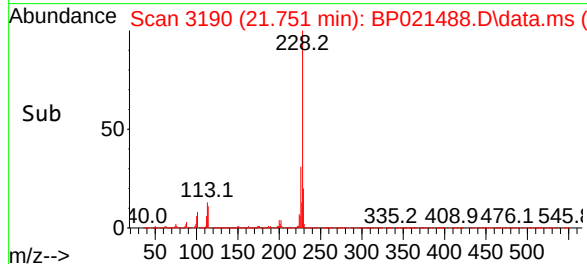
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:228 Resp: 857762  
Ion Ratio Lower Upper  
228 100  
226 30.9 23.9 35.9  
229 20.3 15.8 23.6

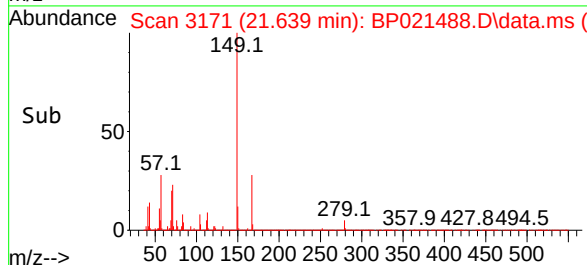
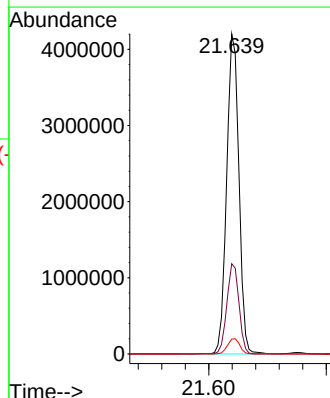
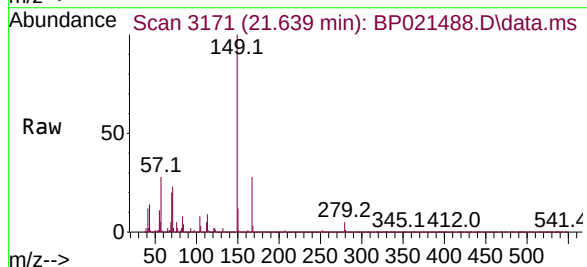
Manual Integrations  
APPROVED

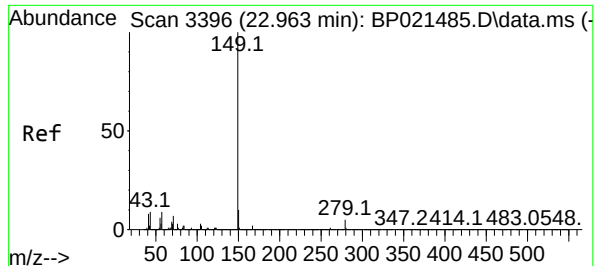
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 89.068 ng  
RT: 21.639 min Scan# 3171  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

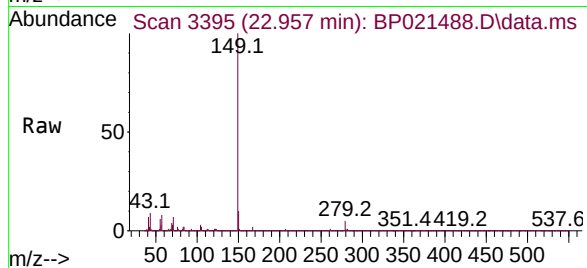
Tgt Ion:149 Resp: 6062099  
Ion Ratio Lower Upper  
149 100  
167 28.2 22.3 33.5  
279 4.7 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 80.797 ng  
RT: 22.957 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

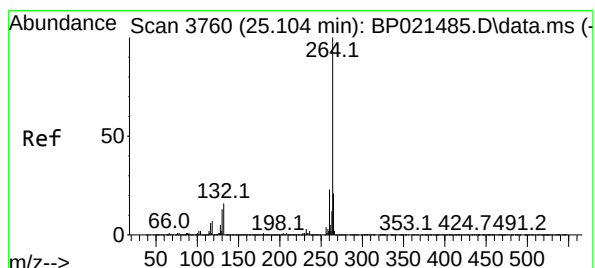
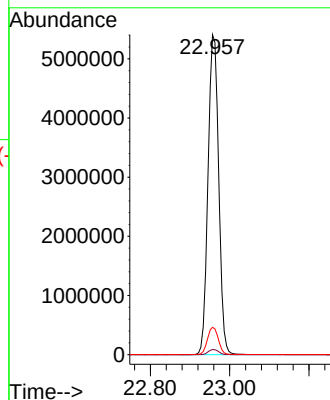
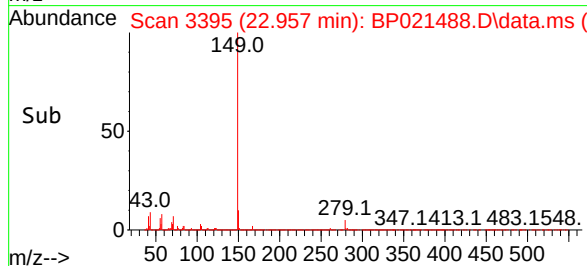
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion:149 Resp:1009931  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.7 7.3 10.9

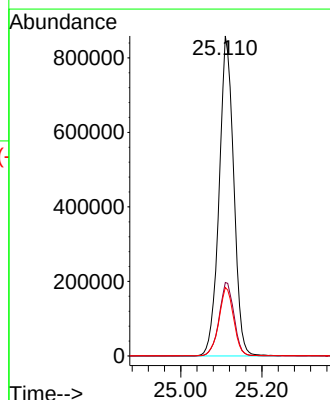
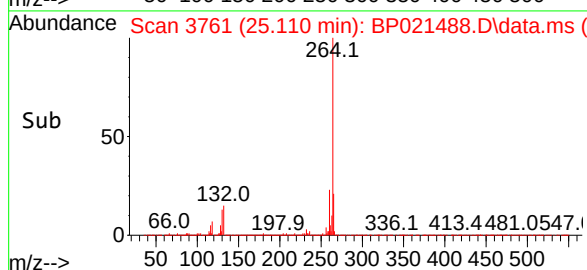
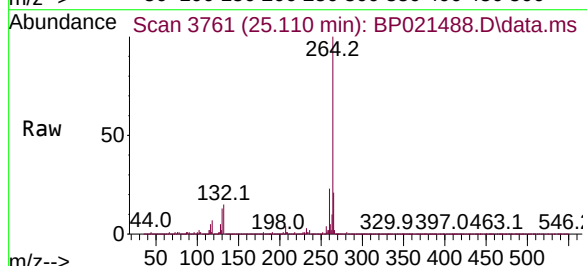
Manual Integrations  
APPROVED

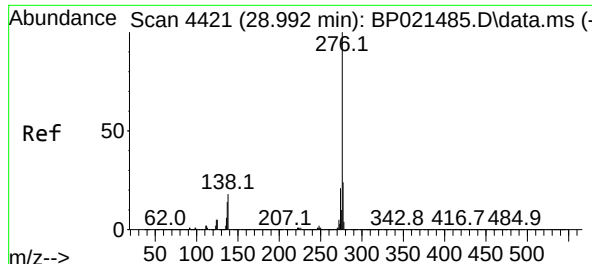
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.110 min Scan# 3761  
Delta R.T. 0.006 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

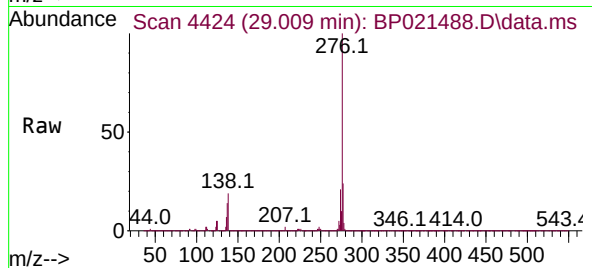
Tgt Ion:264 Resp: 2148798  
Ion Ratio Lower Upper  
264 100  
260 23.0 18.6 28.0  
265 21.4 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 83.285 ng m  
RT: 29.009 min Scan# 4421  
Delta R.T. 0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

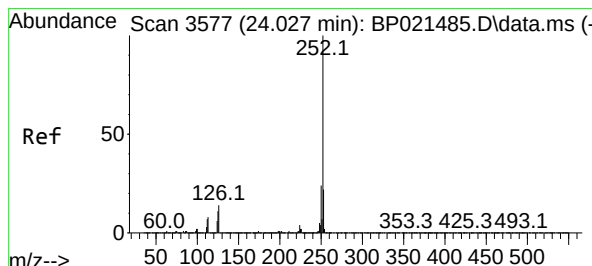
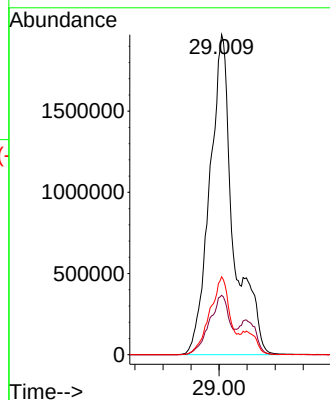
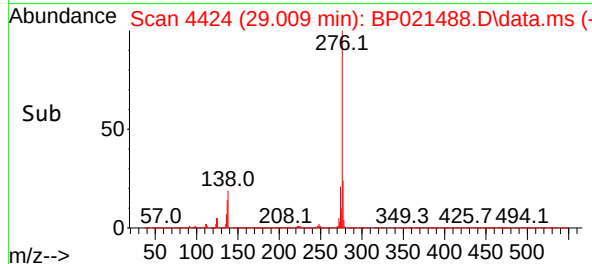
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion: 276 Resp: 1159945  
Ion Ratio Lower Upper  
276 100  
138 16.3 12.8 19.2  
277 20.9 16.5 24.7

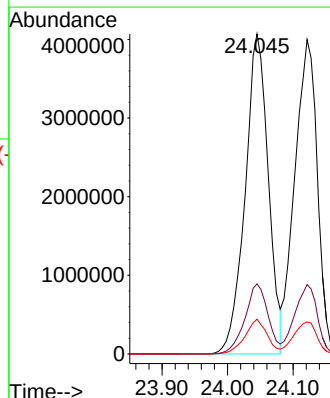
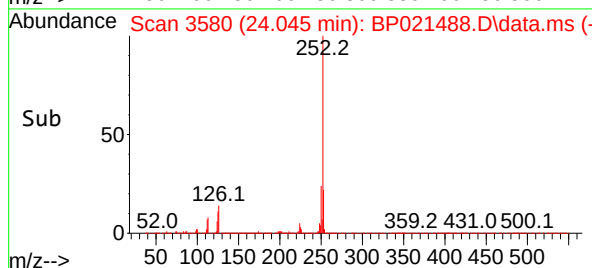
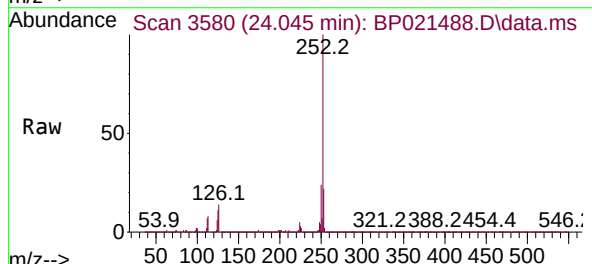
Manual Integrations  
APPROVED

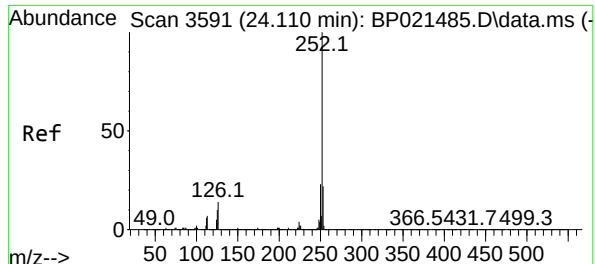
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#88  
Benzo(b)fluoranthene  
Concen: 80.984 ng  
RT: 24.045 min Scan# 3580  
Delta R.T. 0.018 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 252 Resp: 9994213  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.6 26.4  
125 10.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 79.279 ng

RT: 24.121 min Scan# 3593

Delta R.T. 0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA\_P

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 954416

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

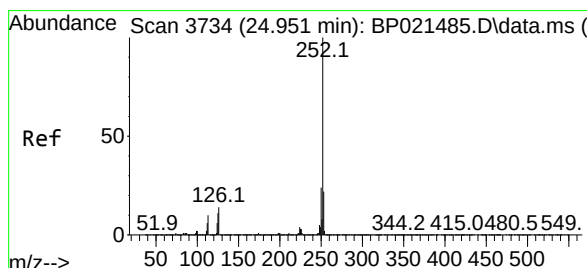
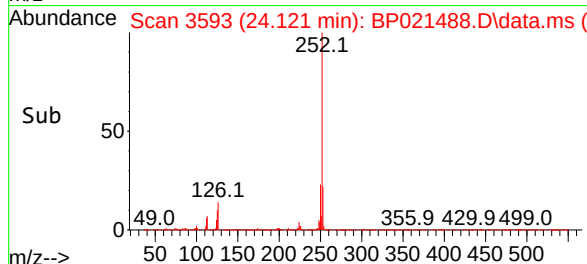
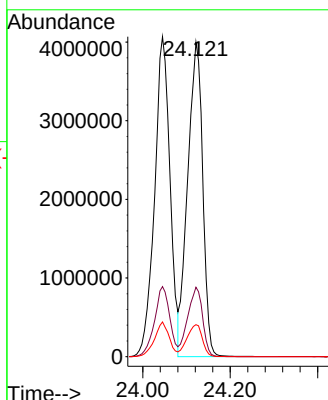
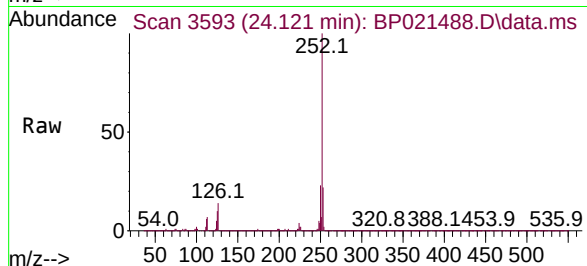
125 10.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 81.773 ng

RT: 24.962 min Scan# 3736

Delta R.T. 0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

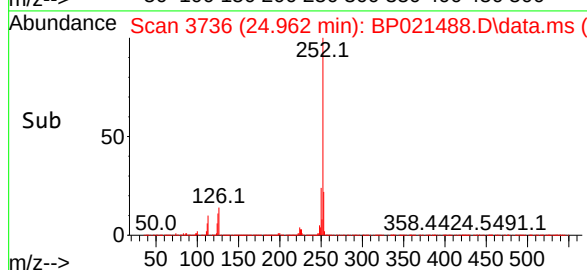
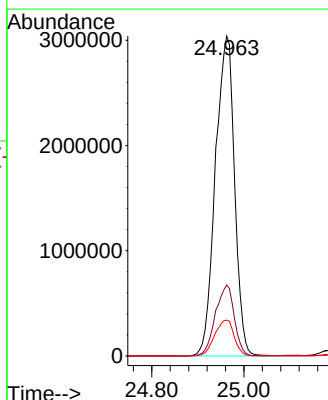
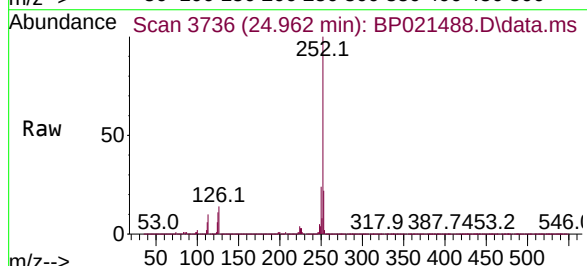
Tgt Ion:252 Resp: 8757562

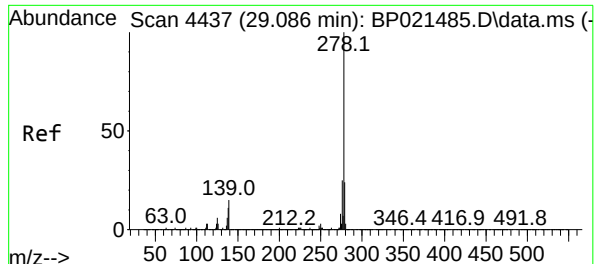
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

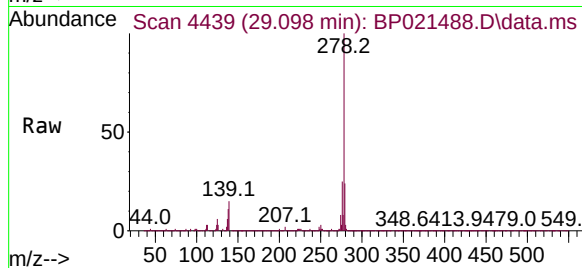
125 11.2 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 82.349 ng  
RT: 29.098 min Scan# 4437  
Delta R.T. 0.012 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

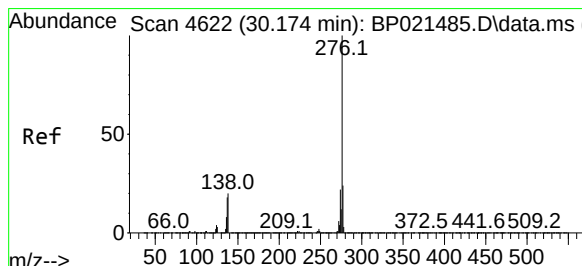
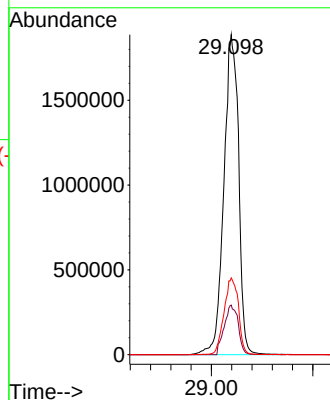
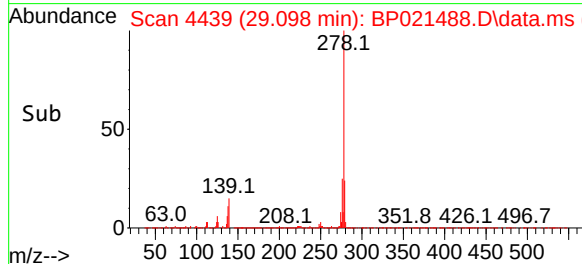
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDICC080



Tgt Ion: 278 Resp: 953045  
Ion Ratio Lower Upper  
278 100  
139 15.5 12.2 18.4  
279 24.0 19.1 28.7

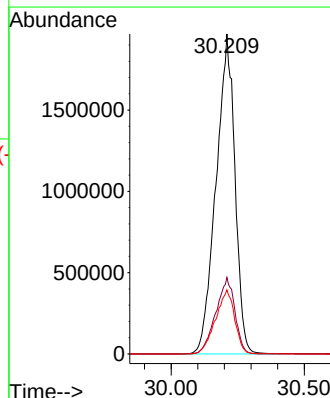
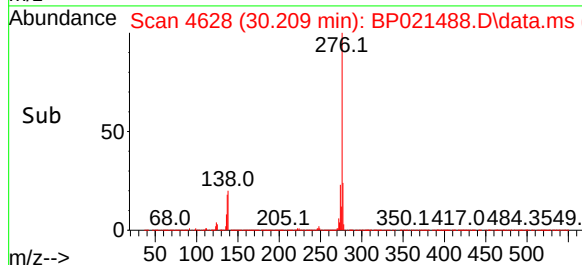
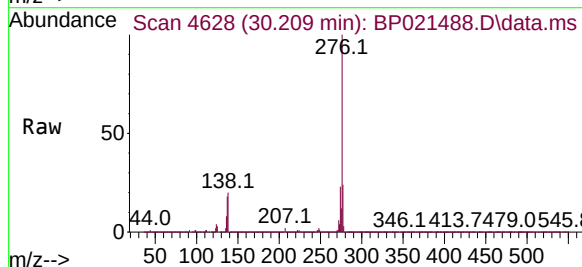
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#92  
Benzo(g,h,i)perylene  
Concen: 83.581 ng  
RT: 30.209 min Scan# 4628  
Delta R.T. 0.035 min  
Lab File: BP021488.D  
Acq: 13 Aug 2024 17:36

Tgt Ion: 276 Resp: 9695156  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.0 28.6  
138 20.1 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

ICVBP081324

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 14 00:10:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 00:00:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 443421   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.599 | 136  | 2000407  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 1334240  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.257 | 188  | 2538103  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.716 | 240  | 1932921  | 20.000 | ng    | 0.02     |
| 86) Perylene-d12              | 25.121 | 264  | 2127555  | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.393  | 112  | 2413201  | 80.810 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.964  | 99   | 3740158  | 85.856 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.958  | 82   | 3463320  | 89.361 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.975 | 330  | 1239599  | 83.477 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.069 | 172  | 6875867  | 78.649 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.986 | 244  | 8578102  | 86.216 | ng    | 0.01     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 537338   | 37.948 | ng    | 100      |
| 3) Pyridine                   | 3.705  | 79   | 1598732m | 40.445 | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 478013   | 40.233 | ng    | 100      |
| 6) Aniline                    | 7.128  | 93   | 1811514  | 41.596 | ng    | 100      |
| 8) 2-Chlorophenol             | 7.375  | 128  | 1167341  | 42.300 | ng    | 99       |
| 9) Benzaldehyde               | 6.946  | 77   | 1127798  | 40.434 | ng    | 99       |
| 10) Phenol                    | 6.993  | 94   | 1922019  | 42.607 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1585750  | 41.543 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 1300530  | 39.674 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 1309606  | 39.564 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 1271884  | 39.873 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 1390052  | 44.472 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.340  | 45   | 1471975  | 41.875 | ng    | 99       |
| 17) 2-Methylphenol            | 8.234  | 107  | 1245871  | 43.687 | ng    | 100      |
| 18) Hexachloroethane          | 8.893  | 117  | 540967   | 40.755 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.611  | 70   | 1303123  | 43.304 | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 1724643  | 44.850 | ng    | 98       |
| 22) Acetophenone              | 8.622  | 105  | 2454249  | 39.936 | ng    | 98       |
| 24) Nitrobenzene              | 8.999  | 77   | 1820293  | 43.244 | ng    | 98       |
| 25) Isophorone                | 9.516  | 82   | 3726496  | 40.700 | ng    | 100      |
| 26) 2-Nitrophenol             | 9.705  | 139  | 501343   | 47.780 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.758  | 122  | 930478   | 41.179 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.005 | 93   | 2260063  | 40.438 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 1159801  | 43.442 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.458 | 180  | 1339874  | 39.146 | ng    | 97       |
| 31) Naphthalene               | 10.646 | 128  | 4141293  | 39.629 | ng    | 99       |
| 32) Benzoic acid              | 9.899  | 122  | 747114   | 49.839 | ng    | 98       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1594388  | 40.617 | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.946 | 225  | 842702   | 39.102 | ng    | 99       |
| 35) Caprolactam               | 11.505 | 113  | 464342   | 41.786 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.857 | 107  | 1591956  | 42.987 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.263 | 142  | 2882235  | 40.412 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 2825877  | 40.173 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.640 | 216  | 1573947  | 40.261 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.622 | 237  | 535050   | 43.183 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.869 | 196  | 960914   | 44.249 | ng    | 99       |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
 Data File : BP021489.D  
 Acq On : 13 Aug 2024 19:03  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

ICVBP081324

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 14 00:10:09 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 00:00:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.940 | 196  | 1071161  | 44.396 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.281 | 154  | 3732699  | 39.542 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.322 | 162  | 2917301  | 39.695 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 874355   | 43.044 | ng    | 98       |
| 49) Acenaphthylene            | 14.181 | 152  | 4270895  | 39.531 | ng    | 100      |
| 50) Dimethylphthalate         | 13.910 | 163  | 3496130  | 39.127 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.022 | 165  | 735994   | 41.424 | ng    | 97       |
| 52) Acenaphthene              | 14.528 | 154  | 2790584  | 39.366 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.351 | 138  | 705420   | 40.483 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.546 | 184  | 215120   | 45.065 | ng    | # 56     |
| 55) Dibenzofuran              | 14.863 | 168  | 4202990  | 38.543 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.640 | 139  | 545969   | 39.582 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 917790   | 40.864 | ng    | 93       |
| 58) Fluorene                  | 15.522 | 166  | 3409197  | 38.055 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.093 | 232  | 866459   | 42.310 | ng    | 99       |
| 60) Diethylphthalate          | 15.293 | 149  | 3461071  | 37.752 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.528 | 204  | 1795669  | 38.777 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.534 | 138  | 685273   | 38.254 | ng    | 99       |
| 63) Azobenzene                | 15.828 | 77   | 4263599  | 37.833 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.593 | 198  | 343500   | 46.281 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.734 | 169  | 2863059  | 42.093 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.440 | 248  | 1135965  | 42.289 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.551 | 284  | 1306627  | 41.161 | ng    | 97       |
| 69) Atrazine                  | 16.710 | 200  | 907263   | 38.851 | ng    | 99       |
| 70) Pentachlorophenol         | 16.898 | 266  | 770079   | 44.446 | ng    | 100      |
| 71) Phenanthrene              | 17.298 | 178  | 4826486  | 39.541 | ng    | 100      |
| 72) Anthracene                | 17.398 | 178  | 4745227  | 39.639 | ng    | 100      |
| 73) Carbazole                 | 17.675 | 167  | 4321248  | 37.457 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.281 | 149  | 5456093  | 38.509 | ng    | 100      |
| 75) Fluoranthene              | 19.386 | 202  | 5434874  | 36.288 | ng    | 99       |
| 77) Benzidine                 | 19.569 | 184  | 1367550  | 30.320 | ng    | 99       |
| 78) Pyrene                    | 19.763 | 202  | 5438173  | 43.044 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.710 | 149  | 1972270  | 41.647 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.692 | 228  | 4874495  | 40.172 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.604 | 252  | 1592617  | 40.936 | ng    | 100      |
| 83) Chrysene                  | 21.763 | 228  | 4554886  | 39.759 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.657 | 149  | 3111178  | 43.381 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.974 | 149  | 4908258  | 39.871 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.986 | 276  | 5668848m | 41.105 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.039 | 252  | 4934155  | 40.381 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.121 | 252  | 4765945  | 39.984 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.968 | 252  | 4311183  | 40.657 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.104 | 278  | 4717815  | 41.172 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.203 | 276  | 4769954  | 41.532 | ng    | 99       |

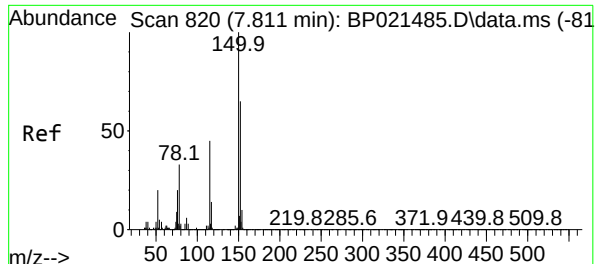
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
ICVBP081324

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024





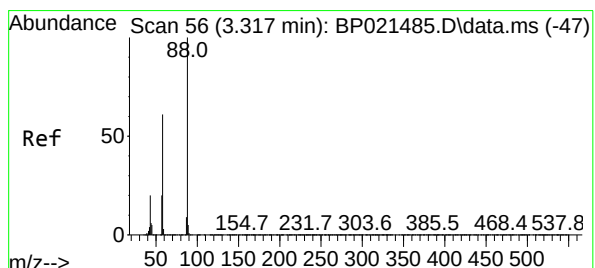
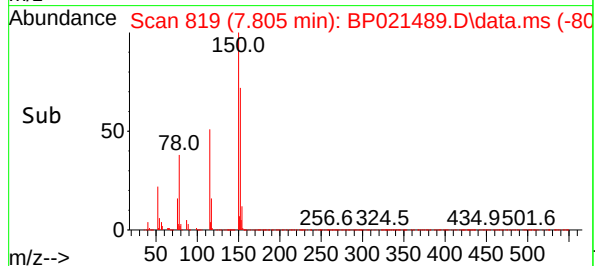
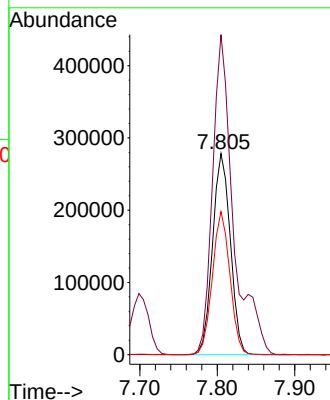
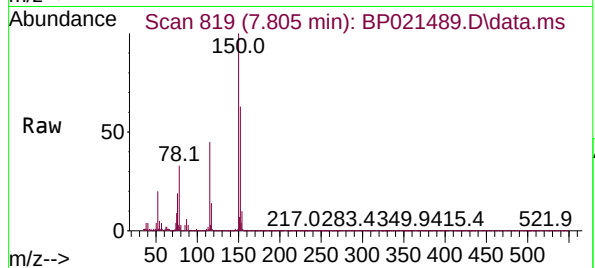
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Instrument :  
BNA\_P  
Client Sample Id :  
ICVBP081324

Tgt Ion: 152 Resp: 44342  
Ion Ratio Lower Upper  
152 100  
150 159.1 122.4 183.6  
115 71.2 54.7 82.1

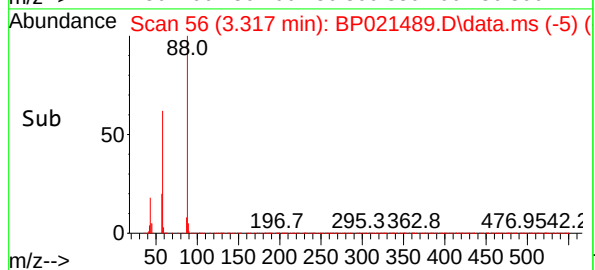
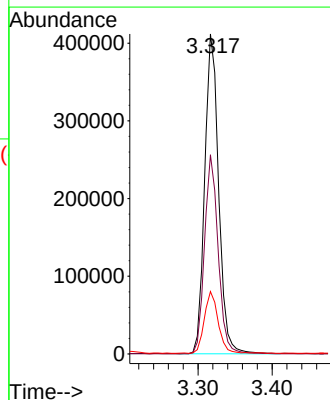
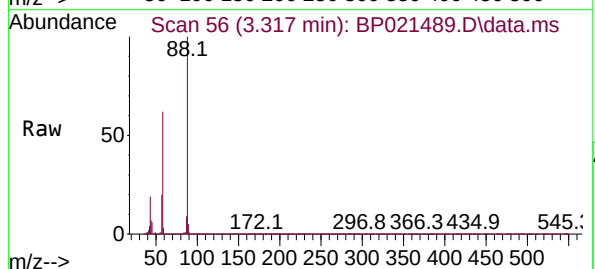
Manual Integrations  
APPROVED

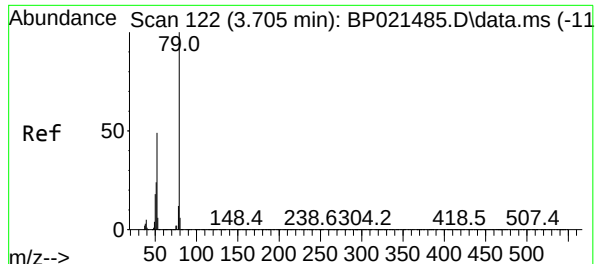
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#2  
1,4-Dioxane  
Concen: 37.948 ng  
RT: 3.317 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

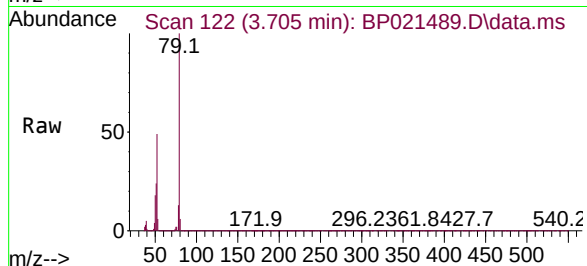
Tgt Ion: 88 Resp: 537338  
Ion Ratio Lower Upper  
88 100  
58 61.0 48.7 73.1  
43 19.3 15.4 23.2





#3  
Pyridine  
Concen: 40.445 ng m  
RT: 3.705 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

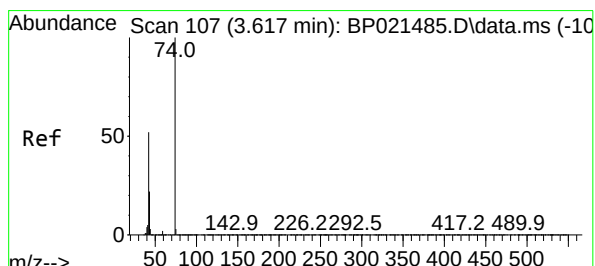
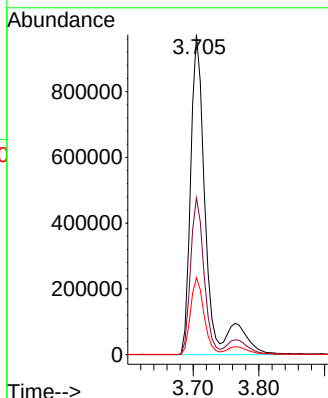
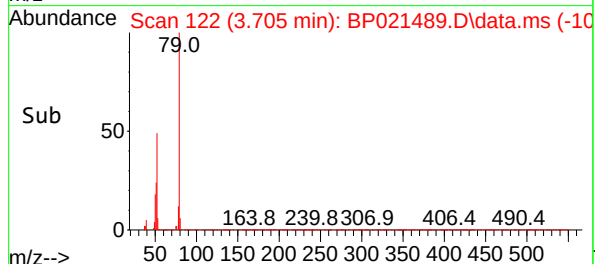
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion: 79 Resp: 159873  
Ion Ratio Lower Upper  
79 100  
52 49.0 39.0 58.6  
51 24.1 19.2 28.8

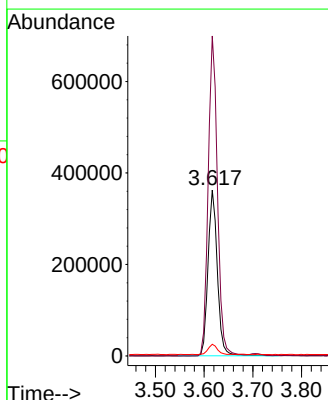
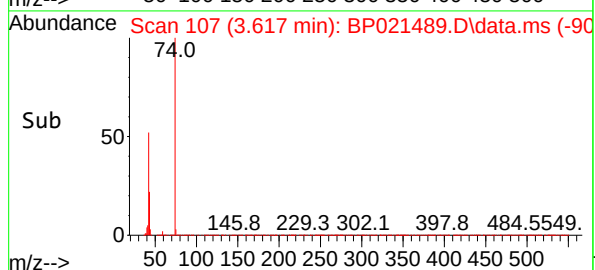
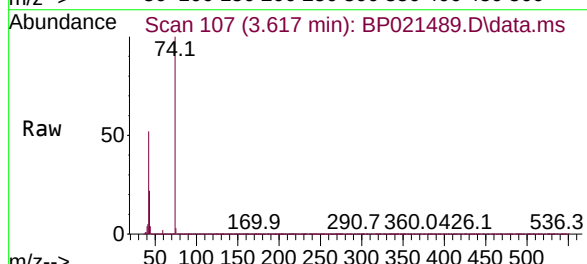
Manual Integrations  
APPROVED

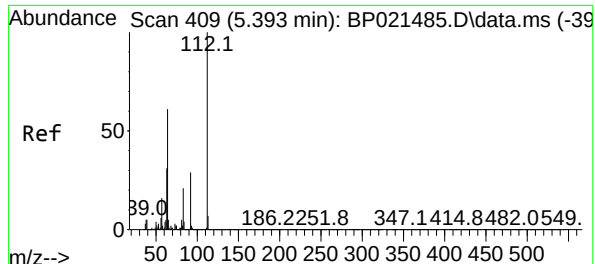
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#4  
n-Nitrosodimethylamine  
Concen: 40.233 ng  
RT: 3.617 min Scan# 107  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion: 42 Resp: 478013  
Ion Ratio Lower Upper  
42 100  
74 192.8 154.3 231.5  
44 7.0 6.2 9.4





#5

2-Fluorophenol

Concen: 80.810 ng

RT: 5.393 min Scan# 409

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:112 Resp: 241320

Ion Ratio Lower Upper

112 100

64 60.7 49.0 73.6

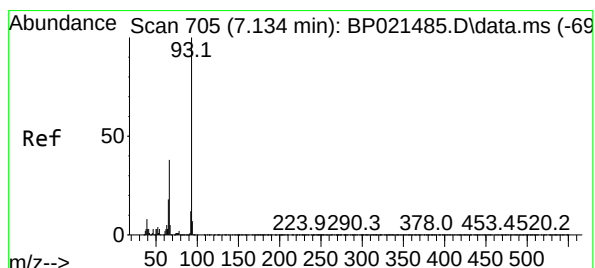
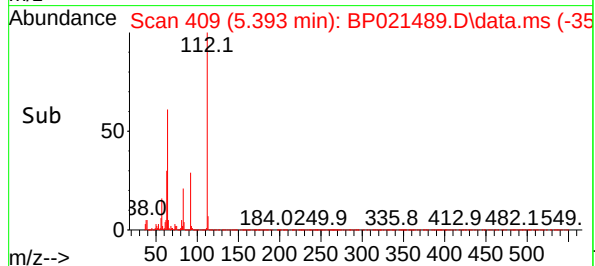
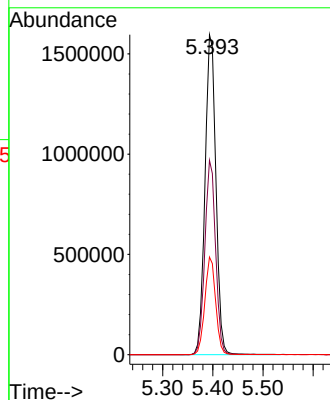
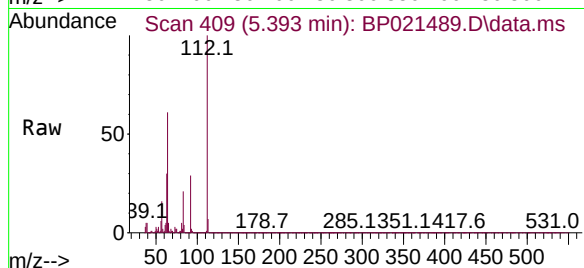
63 30.5 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#6

Aniline

Concen: 41.596 ng

RT: 7.128 min Scan# 704

Delta R.T. -0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

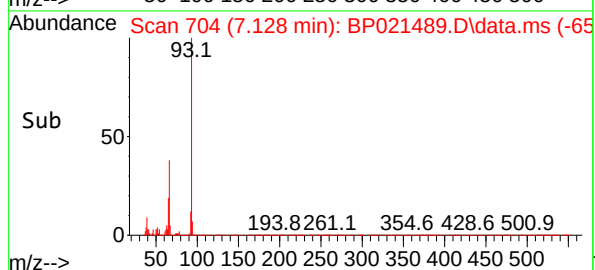
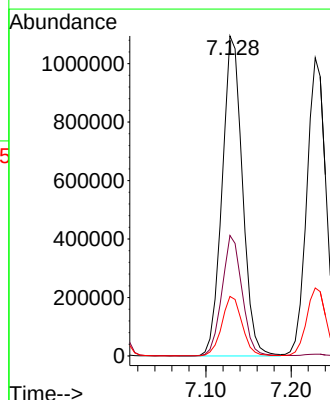
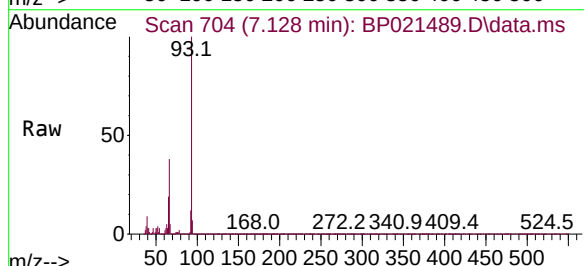
Tgt Ion: 93 Resp: 1811514

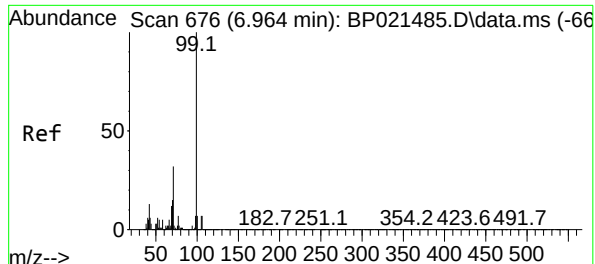
Ion Ratio Lower Upper

93 100

66 37.7 30.2 45.2

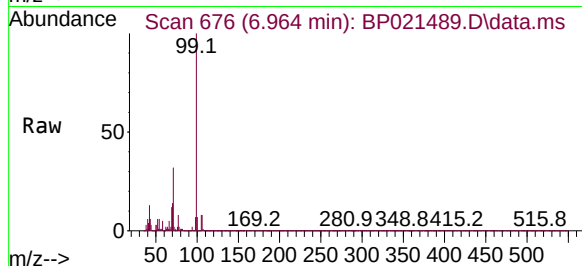
65 18.6 14.7 22.1





#7  
Phenol-d6  
Concen: 85.856 ng  
RT: 6.964 min Scan# 676  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

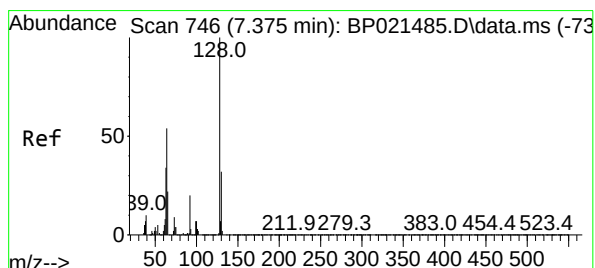
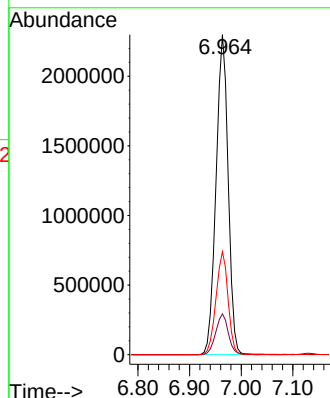
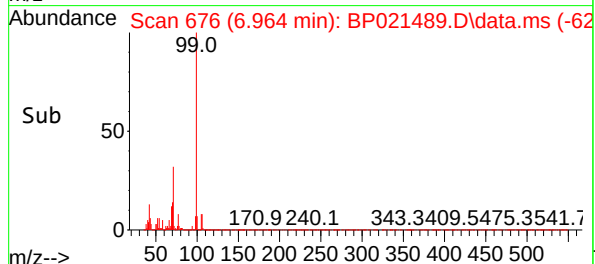
Instrument :  
BNA\_P  
Client Sample Id :  
ICVBP081324



Tgt Ion: 99 Resp: 3740158  
Ion Ratio Lower Upper  
99 100  
42 12.8 10.2 15.4  
71 32.2 25.8 38.8

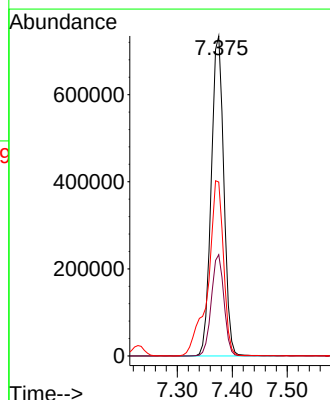
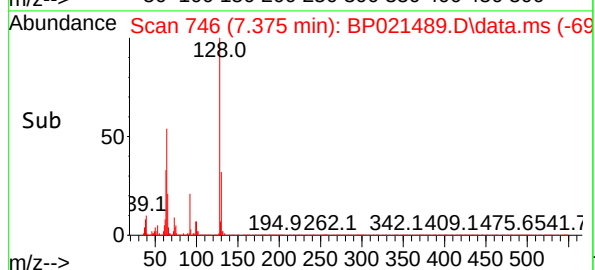
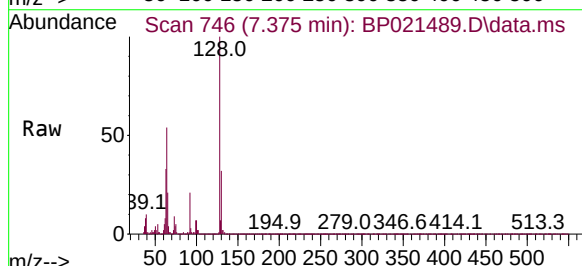
Manual Integrations  
APPROVED

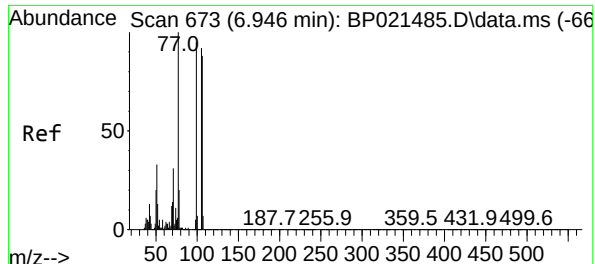
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#8  
2-Chlorophenol  
Concen: 42.300 ng  
RT: 7.375 min Scan# 746  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 1167341  
Ion Ratio Lower Upper  
128 100  
130 31.7 11.6 51.6  
64 54.4 35.3 75.3





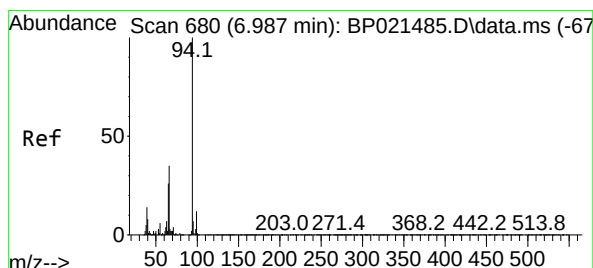
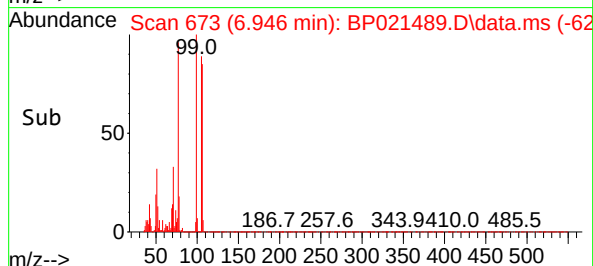
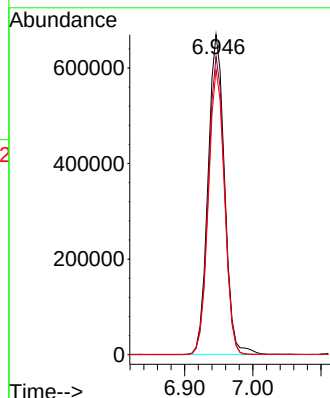
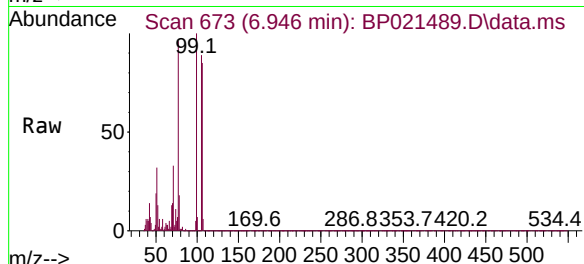
#9  
Benzaldehyde  
Concen: 40.434 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Tgt Ion: 77 Resp: 1127798  
Ion Ratio Lower Upper  
77 100  
105 93.2 72.1 112.1  
106 89.0 67.9 107.9

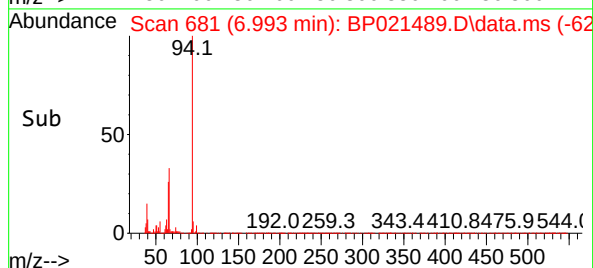
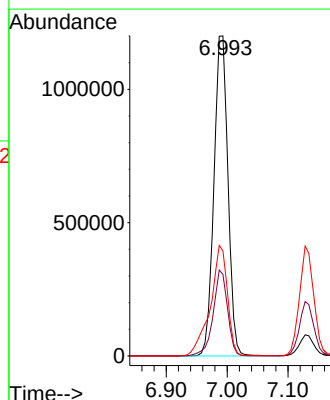
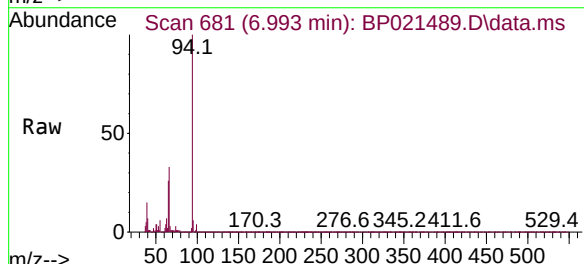
Manual Integrations  
APPROVED

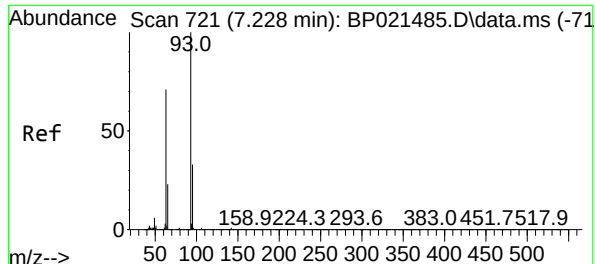
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#10  
Phenol  
Concen: 42.607 ng  
RT: 6.993 min Scan# 681  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion: 94 Resp: 1922019  
Ion Ratio Lower Upper  
94 100  
65 25.5 6.5 46.5  
66 32.9 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 41.543 ng

RT: 7.228 min Scan# 721

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion: 93 Resp: 1585750

Ion Ratio Lower Upper

93 100

63 71.1 51.0 91.0

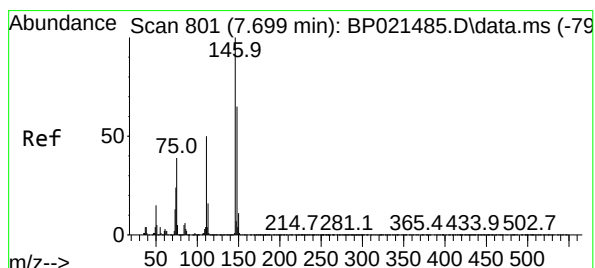
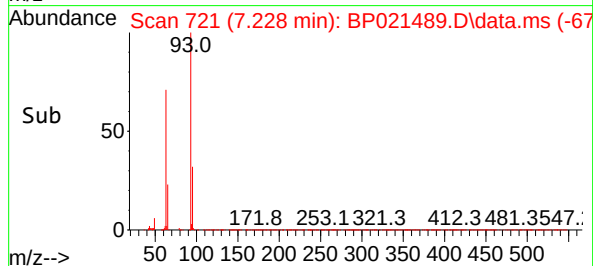
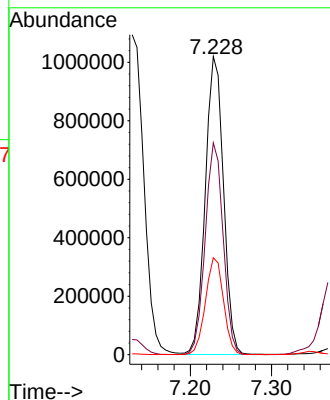
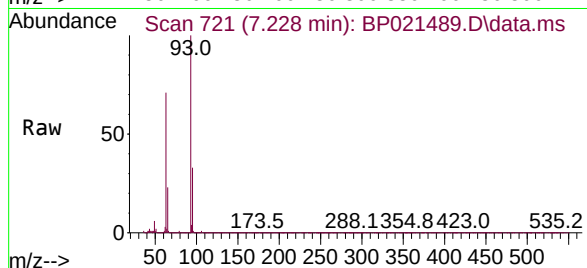
95 32.5 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#12

1,3-Dichlorobenzene

Concen: 39.674 ng

RT: 7.699 min Scan# 801

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

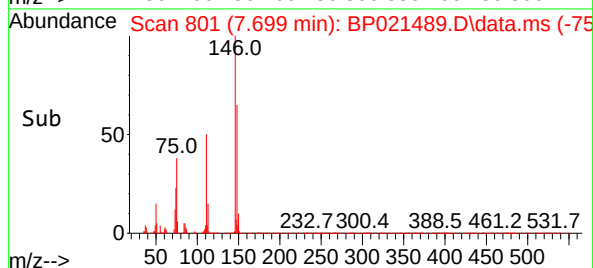
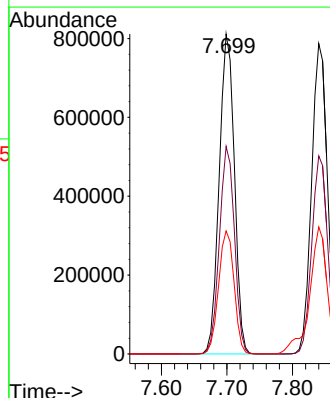
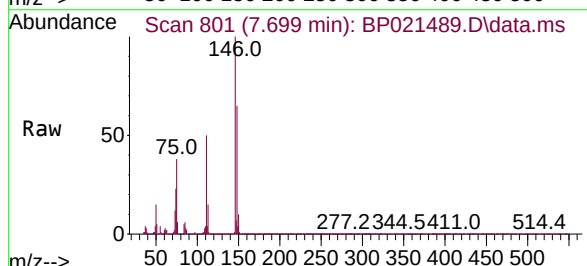
Tgt Ion:146 Resp: 1300530

Ion Ratio Lower Upper

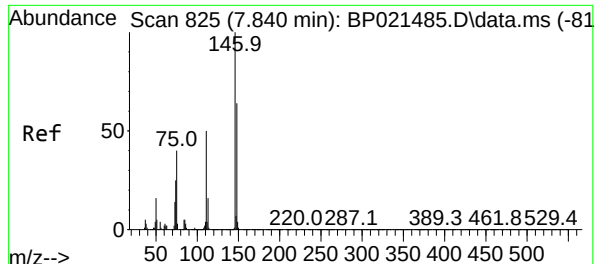
146 100

148 64.9 51.8 77.6

75 38.5 31.3 46.9







#13

1,4-Dichlorobenzene

Concen: 39.564 ng

RT: 7.840 min Scan# 81

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:146 Resp: 1309600

Ion Ratio Lower Upper

146 100

148 63.8 51.5 77.3

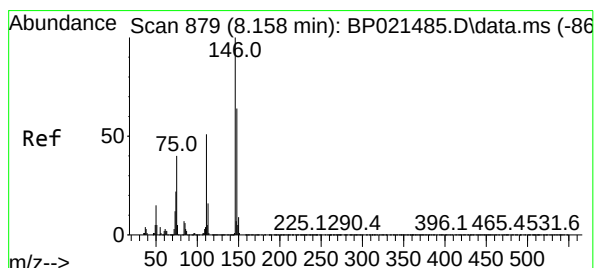
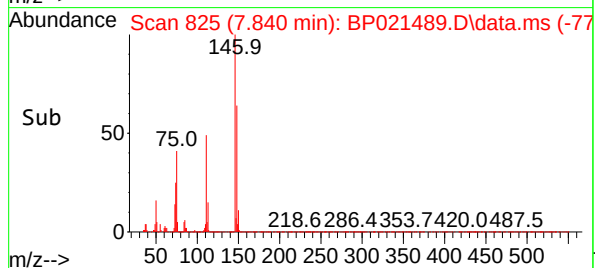
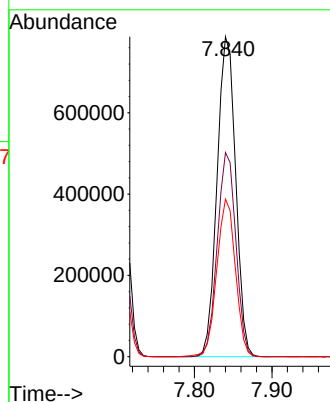
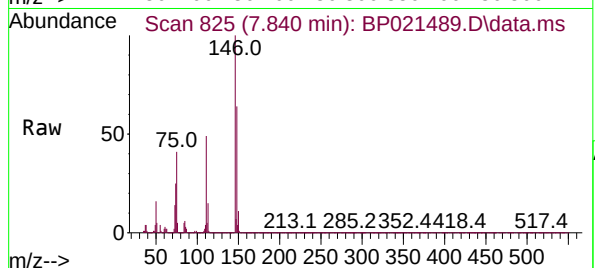
111 49.2 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#14

1,2-Dichlorobenzene

Concen: 39.873 ng

RT: 8.158 min Scan# 879

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

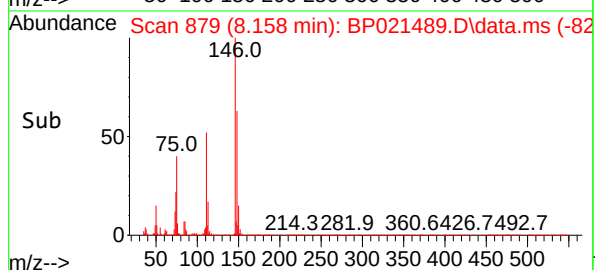
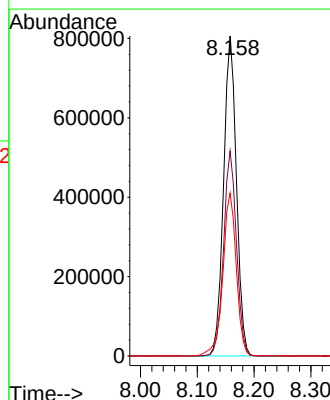
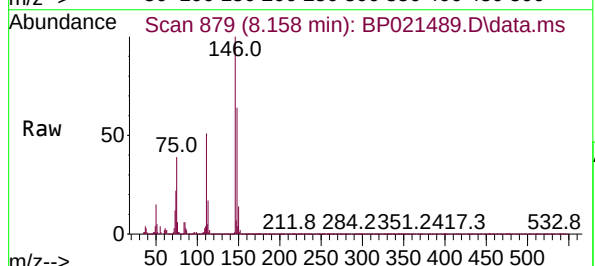
Tgt Ion:146 Resp: 1271884

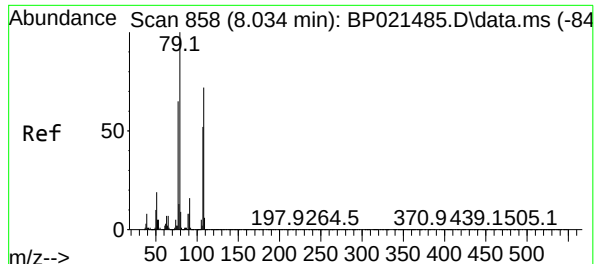
Ion Ratio Lower Upper

146 100

148 64.1 51.5 77.3

111 50.9 41.1 61.7





#15

Benzyl Alcohol

Concen: 44.472 ng

RT: 8.034 min Scan# 858

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion: 79 Resp: 1390052

Ion Ratio Lower Upper

79 100

108 72.6 57.9 86.9

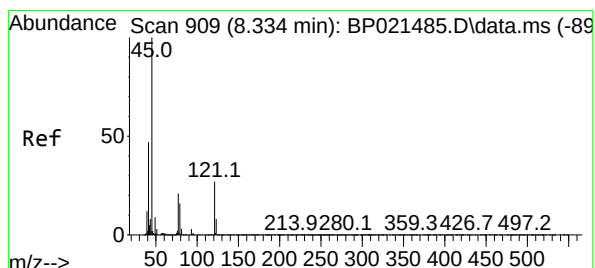
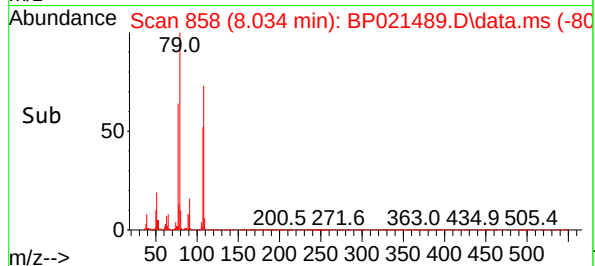
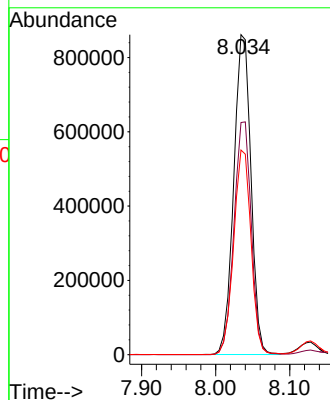
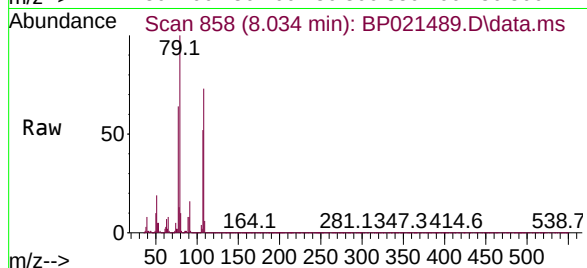
77 64.0 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.875 ng

RT: 8.340 min Scan# 910

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

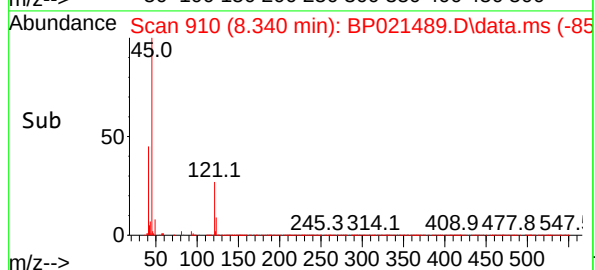
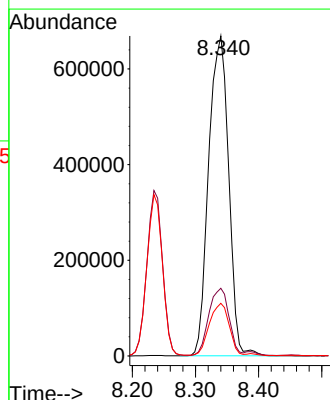
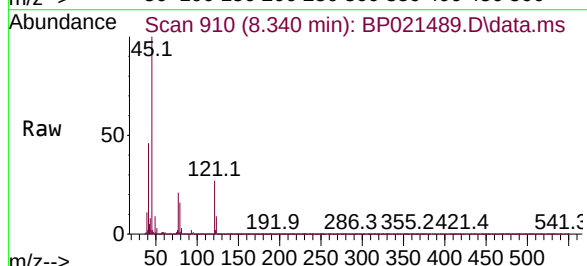
Tgt Ion: 45 Resp: 1471975

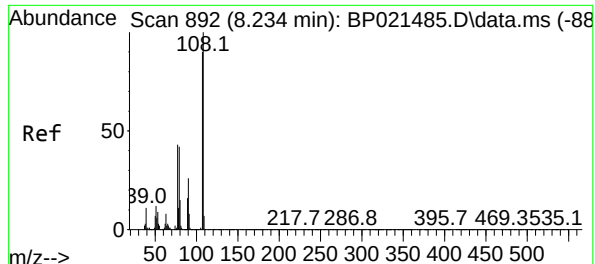
Ion Ratio Lower Upper

45 100

77 21.1 1.9 41.9

79 16.5 0.0 36.6





#17

2-Methylphenol

Concen: 43.687 ng

RT: 8.234 min Scan# 892

Delta R.T. 0.000 min

Lab File: BP021489.D

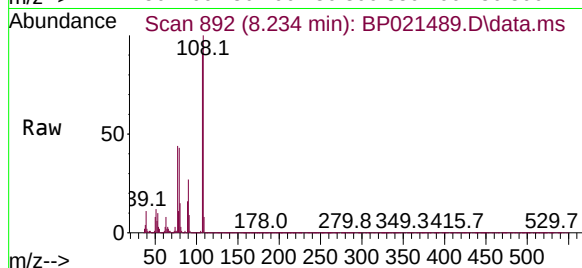
Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324



Tgt Ion:107 Resp: 124587

Ion Ratio Lower Upper

107 100

108 110.4 88.8 133.2

77 48.3 38.7 58.1

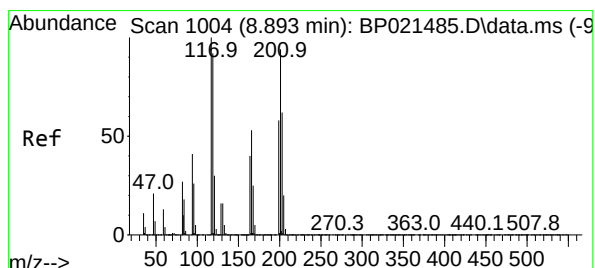
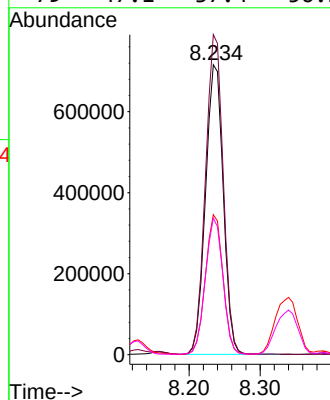
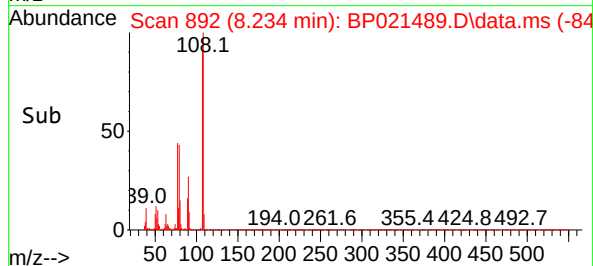
79 47.1 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

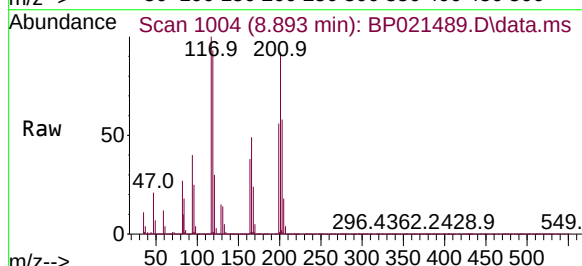
Concen: 40.755 ng

RT: 8.893 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03



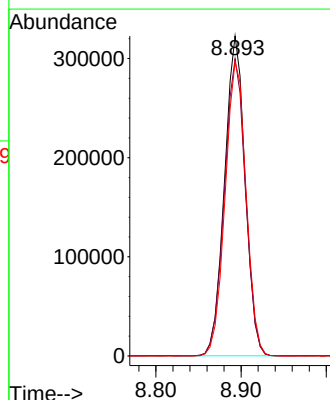
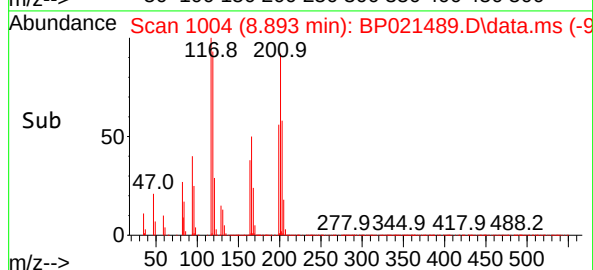
Tgt Ion:117 Resp: 540967

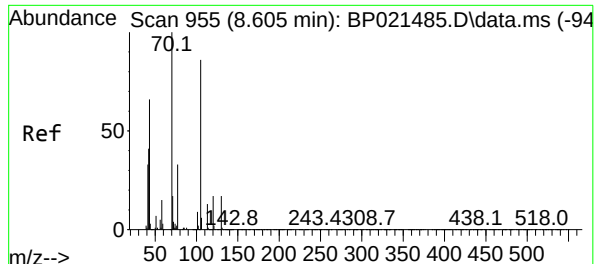
Ion Ratio Lower Upper

117 100

119 92.9 73.9 110.9

201 91.9 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 43.304 ng

RT: 8.611 min Scan# 91

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion: 70 Resp: 130312

Ion Ratio Lower Upper

70 100

42 41.1 33.1 49.7

101 9.9 7.4 11.2

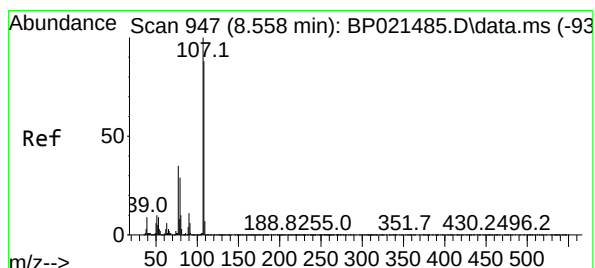
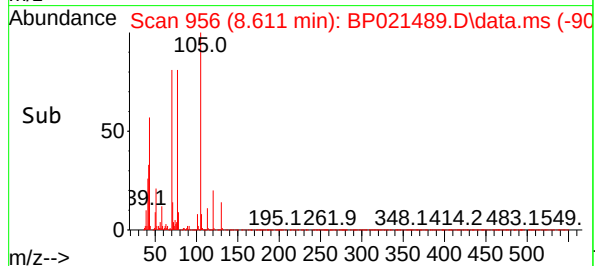
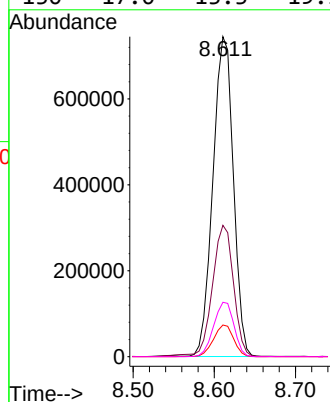
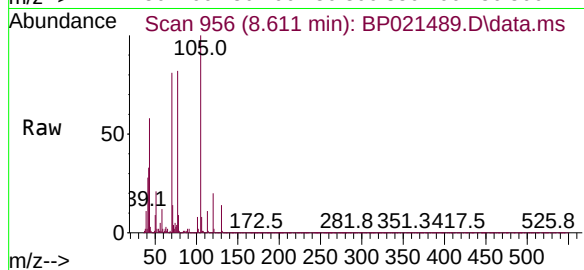
130 17.0 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

Concen: 44.850 ng

RT: 8.563 min Scan# 948

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1724643

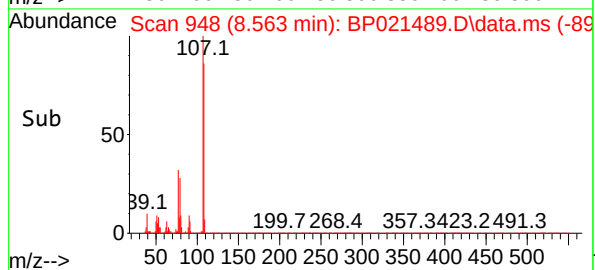
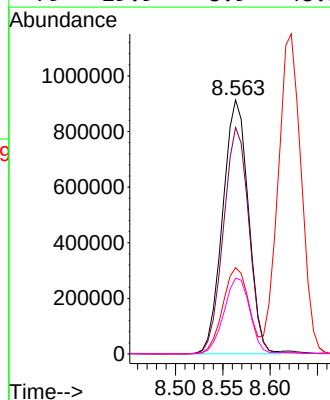
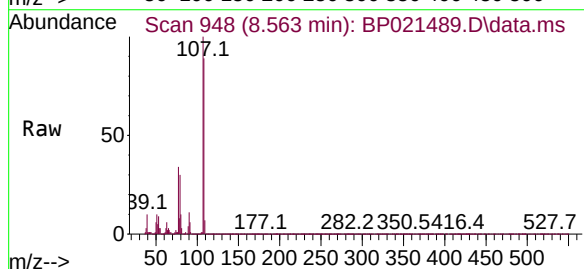
Ion Ratio Lower Upper

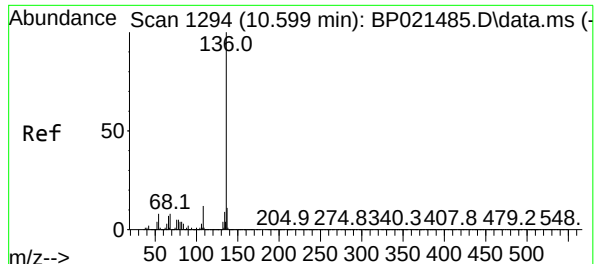
107 100

108 89.2 67.6 107.6

77 34.0 15.0 55.0

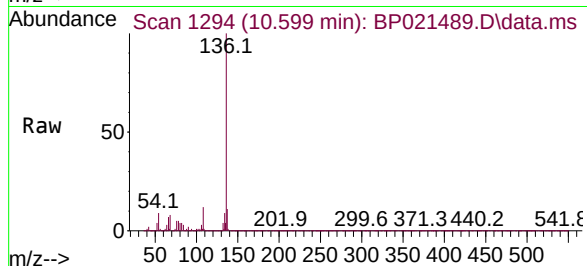
79 29.9 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

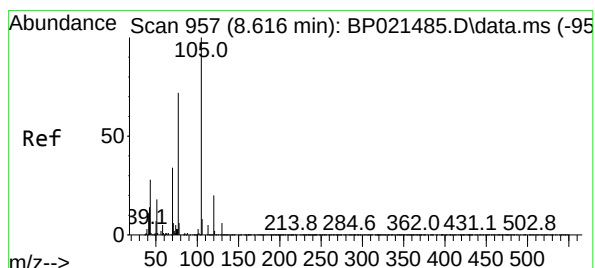
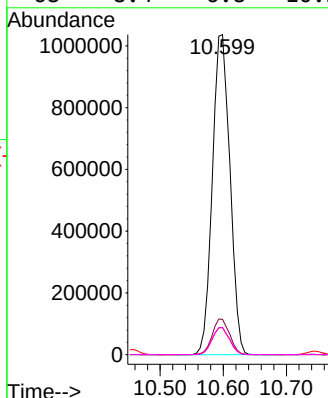
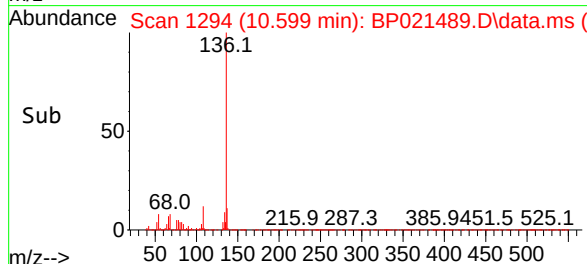
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



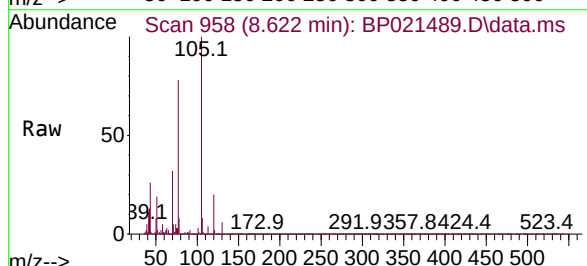
Tgt Ion:136 Resp: 200040  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 8.5 6.3 9.5  
68 8.4 6.8 10.2

Manual Integrations  
APPROVED

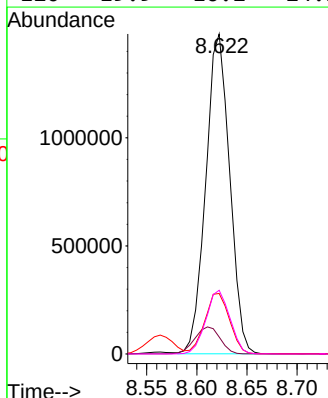
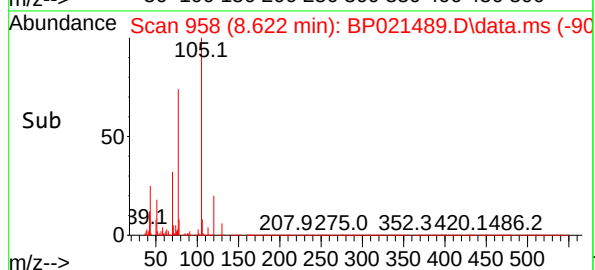
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

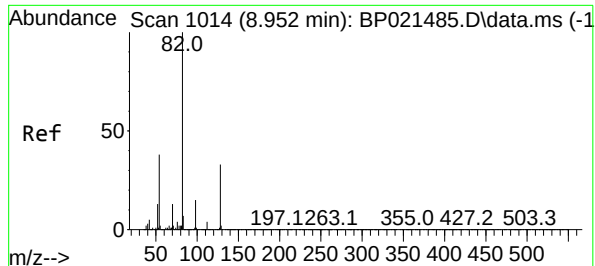


#22  
Acetophenone  
Concen: 39.936 ng  
RT: 8.622 min Scan# 958  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



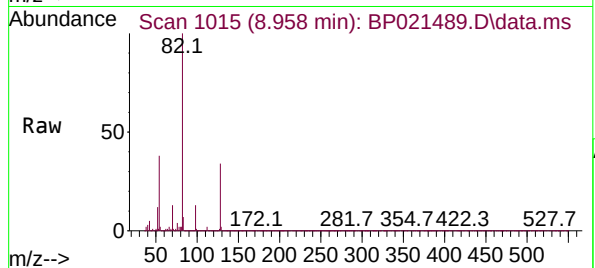
Tgt Ion:105 Resp: 2454249  
Ion Ratio Lower Upper  
105 100  
71 5.3 4.6 7.0  
51 18.9 16.3 24.5  
120 19.9 16.2 24.2





#23  
Nitrobenzene-d5  
Concen: 89.361 ng  
RT: 8.958 min Scan# 1015  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

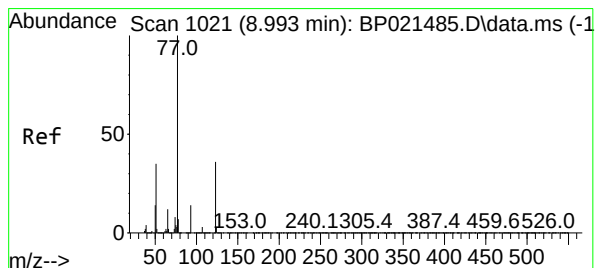
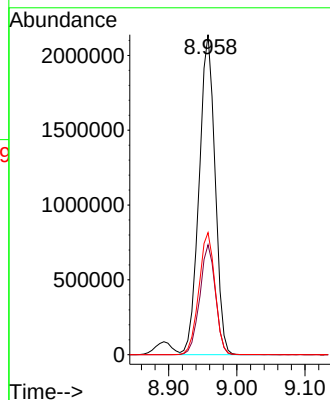
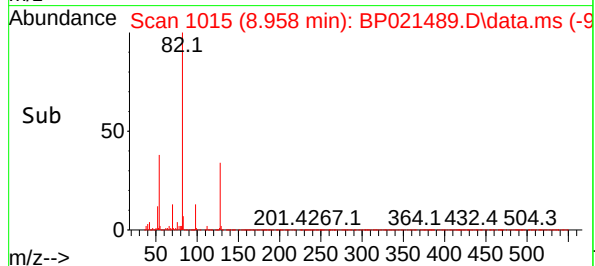
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



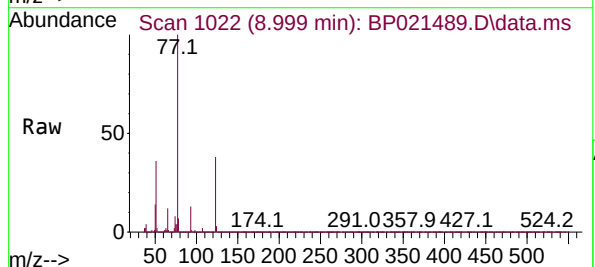
Tgt Ion: 82 Resp: 3463320  
Ion Ratio Lower Upper  
82 100  
128 34.4 26.5 39.7  
54 38.1 30.3 45.5

Manual Integrations  
APPROVED

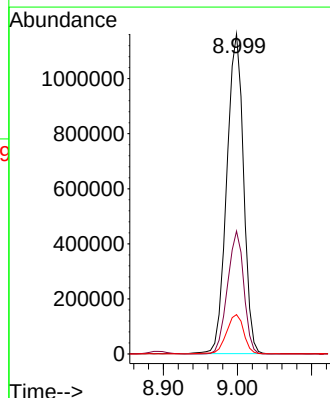
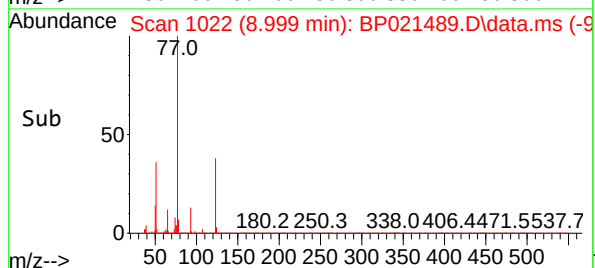
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

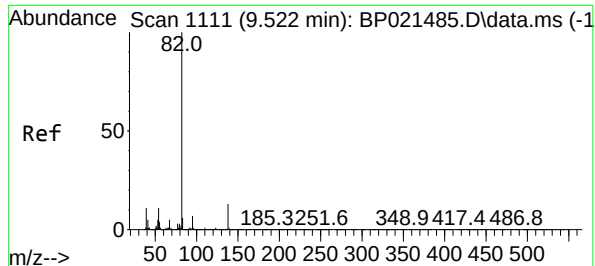


#24  
Nitrobenzene  
Concen: 43.244 ng  
RT: 8.999 min Scan# 1022  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



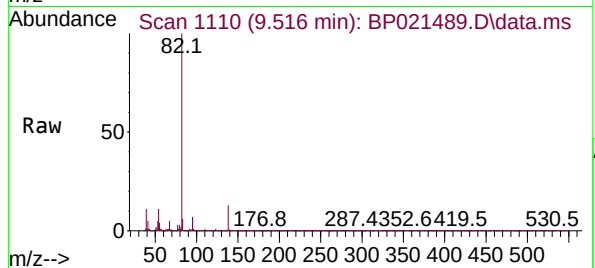
Tgt Ion: 77 Resp: 1820293  
Ion Ratio Lower Upper  
77 100  
123 38.4 29.5 44.3  
65 12.3 9.9 14.9





#25  
Isophorone  
Concen: 40.700 ng  
RT: 9.516 min Scan# 1110  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

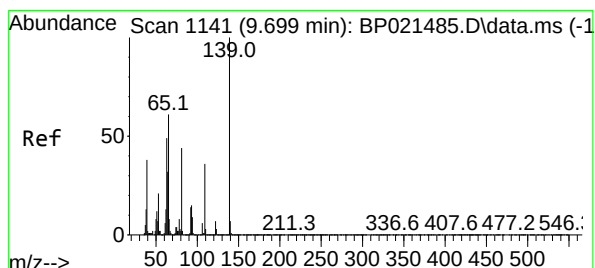
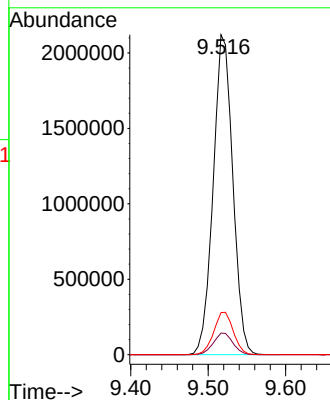
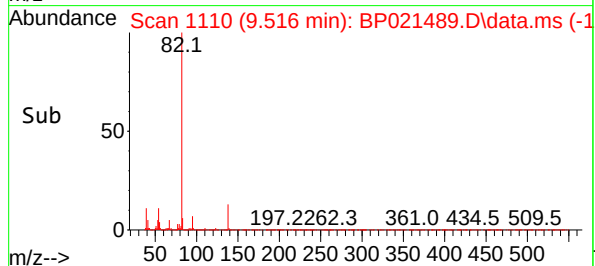
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



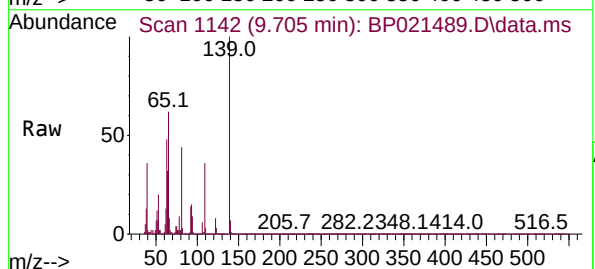
Tgt Ion: 82 Resp: 3726490  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.2  
138 13.1 10.6 16.0

Manual Integrations  
APPROVED

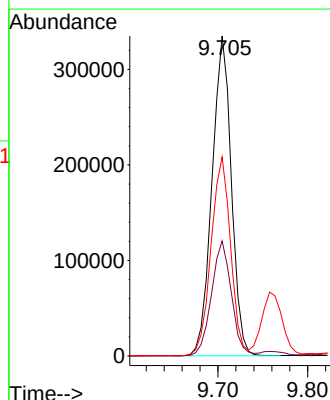
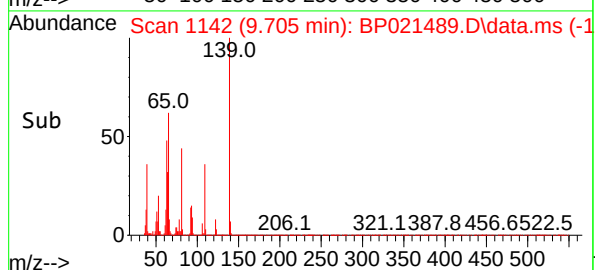
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

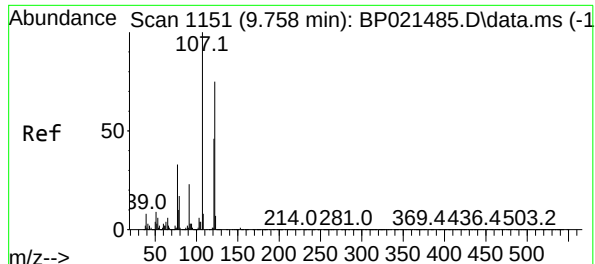


#26  
2-Nitrophenol  
Concen: 47.780 ng  
RT: 9.705 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



Tgt Ion:139 Resp: 501343  
Ion Ratio Lower Upper  
139 100  
109 35.9 28.9 43.3  
65 62.2 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 41.179 ng

RT: 9.758 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:122 Resp: 930478

Ion Ratio Lower Upper

122 100

107 133.8 106.2 159.4

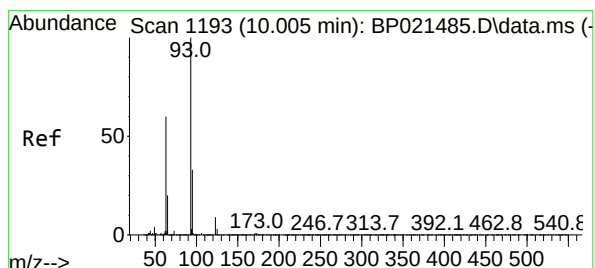
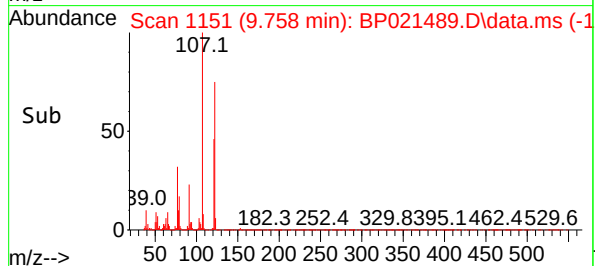
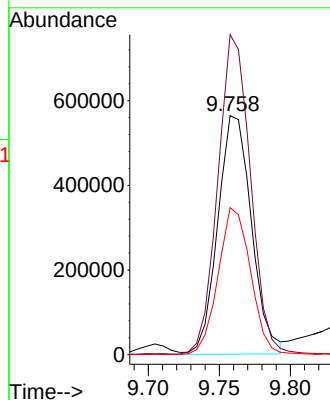
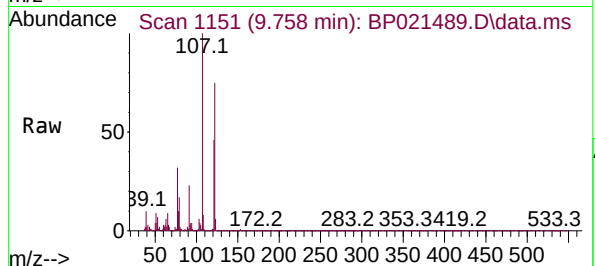
121 61.5 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 40.438 ng

RT: 10.005 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

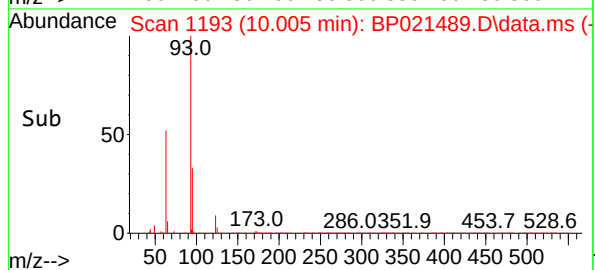
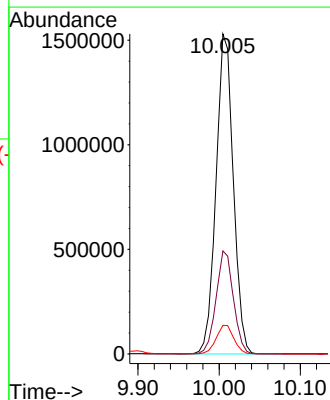
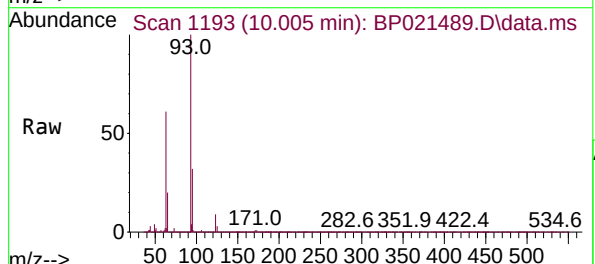
Tgt Ion: 93 Resp: 2260063

Ion Ratio Lower Upper

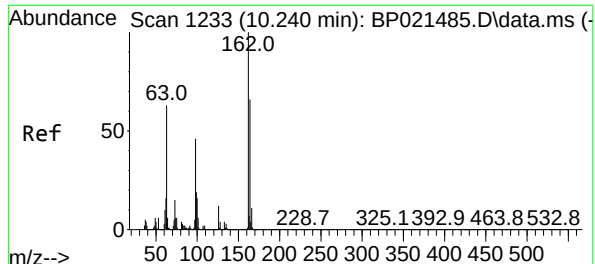
93 100

95 32.2 26.2 39.4

123 8.9 7.6 11.4







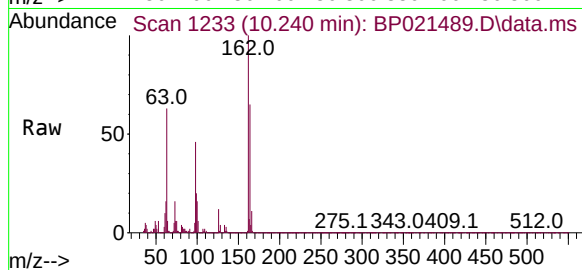
#29  
2,4-Dichlorophenol  
Concen: 43.442 ng  
RT: 10.240 min Scan# 1233  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

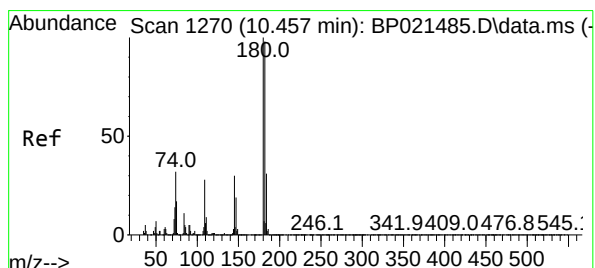
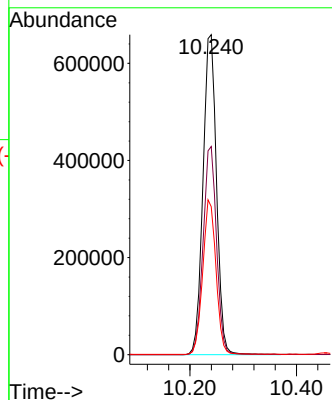
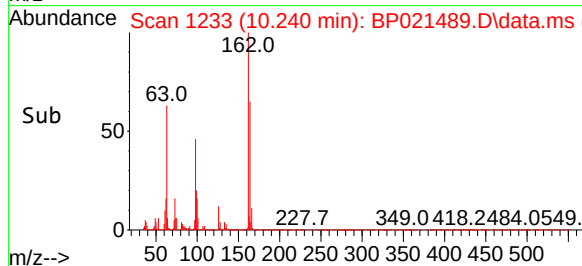
ICVBP081324



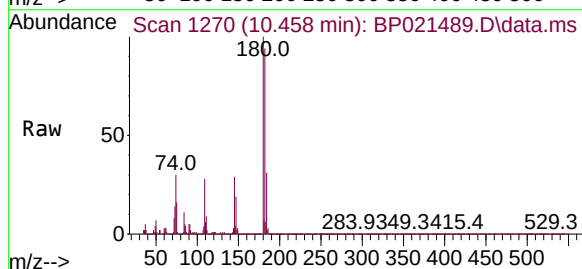
Tgt Ion:162 Resp: 115980  
Ion Ratio Lower Upper  
162 100  
164 65.1 45.9 85.9  
98 46.3 26.3 66.3

Manual Integrations  
APPROVED

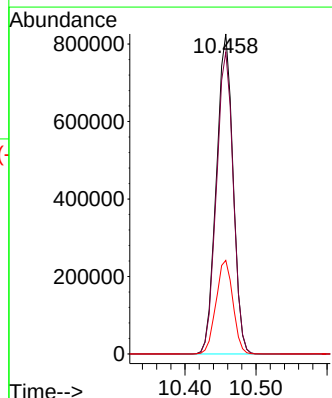
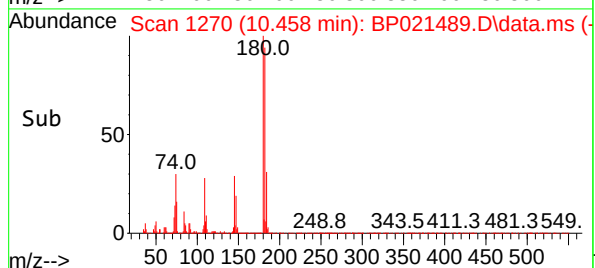
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

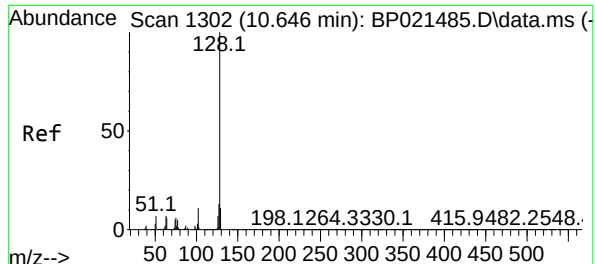


#30  
1,2,4-Trichlorobenzene  
Concen: 39.146 ng  
RT: 10.458 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



Tgt Ion:180 Resp: 1339874  
Ion Ratio Lower Upper  
180 100  
182 94.4 78.3 117.5  
145 29.3 24.0 36.0





#31

Naphthalene

Concen: 39.629 ng

RT: 10.646 min Scan# 1117

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:128 Resp: 414129

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

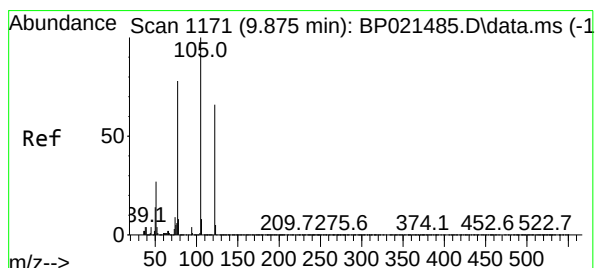
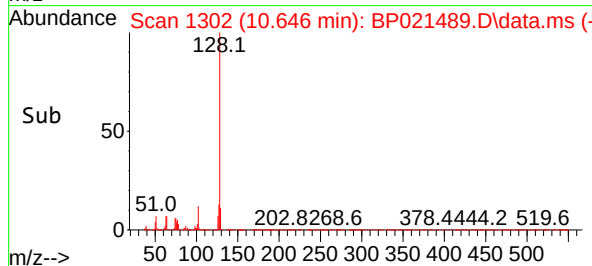
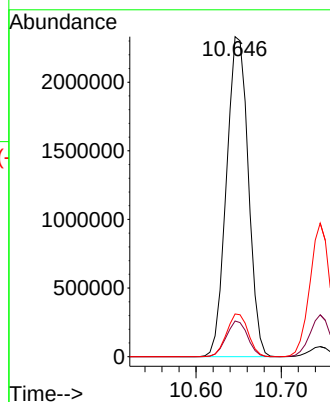
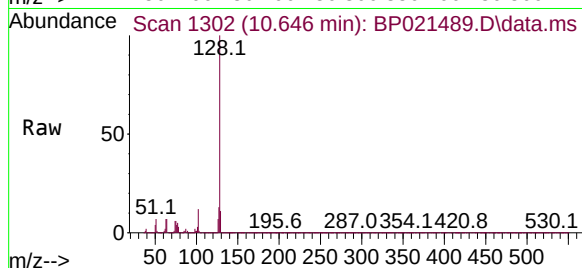
127 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#32

Benzoic acid

Concen: 49.839 ng

RT: 9.899 min Scan# 1175

Delta R.T. 0.024 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

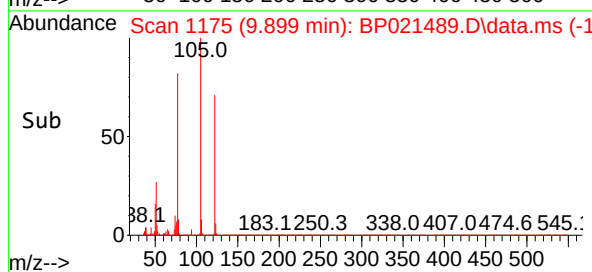
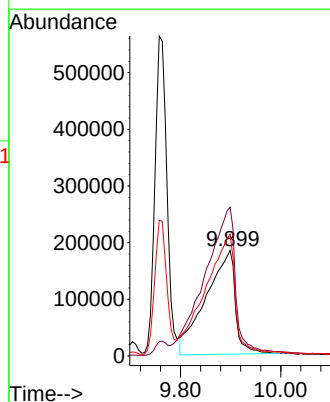
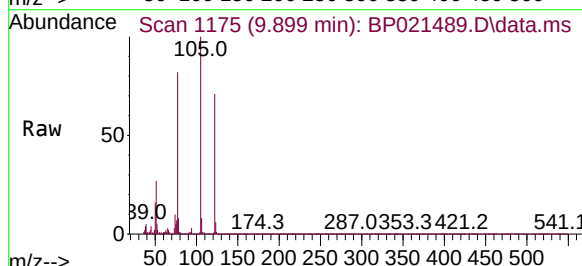
Tgt Ion:122 Resp: 747114

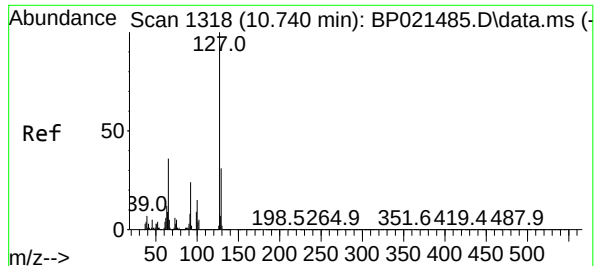
Ion Ratio Lower Upper

122 100

105 141.1 124.6 164.6

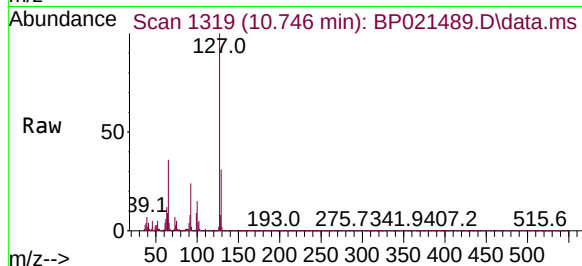
77 115.3 96.2 136.2





#33  
4-Chloroaniline  
Concen: 40.617 ng  
RT: 10.746 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

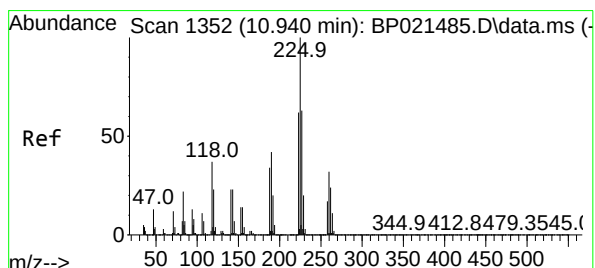
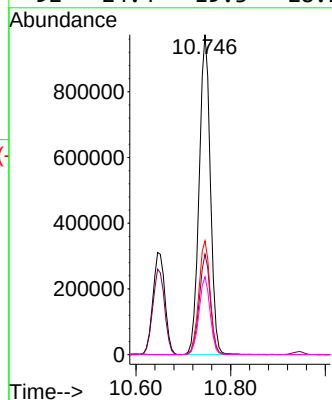
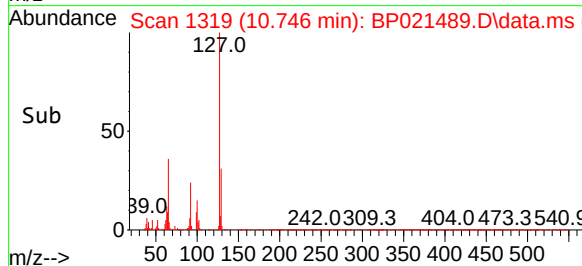
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:127 Resp: 159438  
Ion Ratio Lower Upper  
127 100  
129 31.4 24.5 36.7  
65 35.6 28.9 43.3  
92 24.4 19.3 28.9

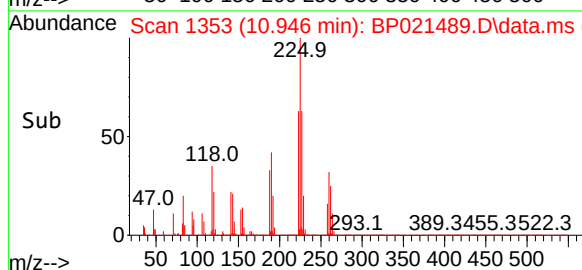
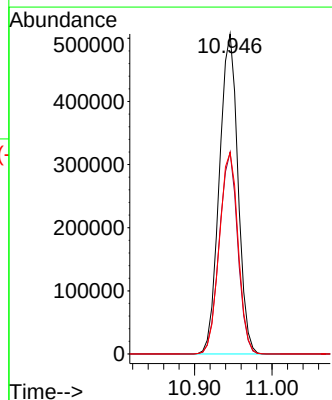
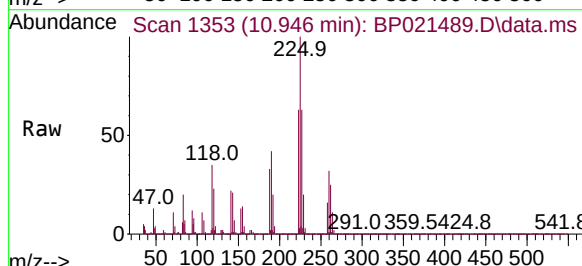
Manual Integrations  
APPROVED

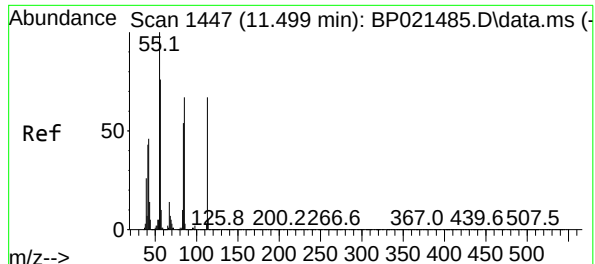
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#34  
Hexachlorobutadiene  
Concen: 39.102 ng  
RT: 10.946 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

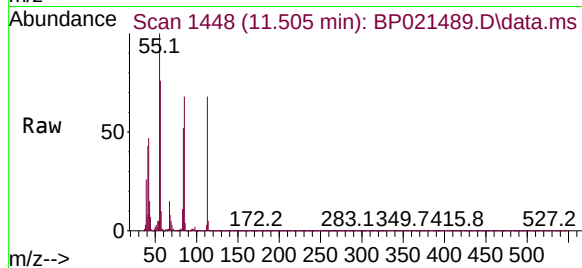
Tgt Ion:225 Resp: 842702  
Ion Ratio Lower Upper  
225 100  
223 63.0 49.6 74.4  
227 62.9 50.1 75.1





#35  
Caprolactam  
Concen: 41.786 ng  
RT: 11.505 min Scan# 1447  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

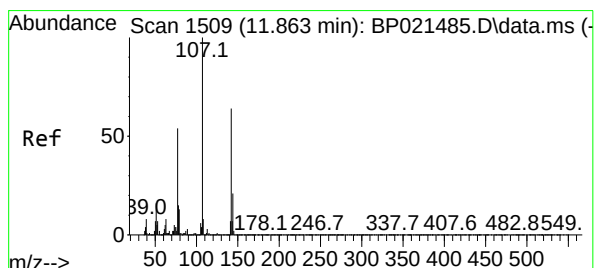
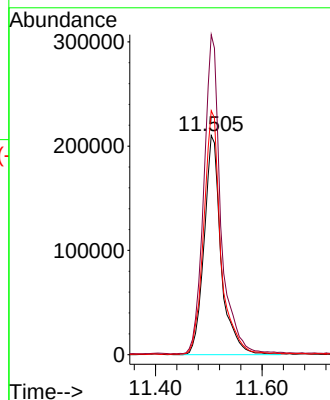
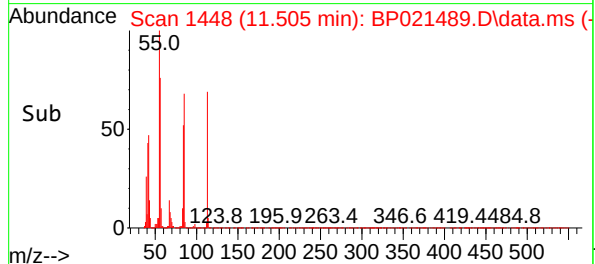
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:113 Resp: 46434  
Ion Ratio Lower Upper  
113 100  
55 146.0 130.6 170.6  
56 111.3 94.6 134.6

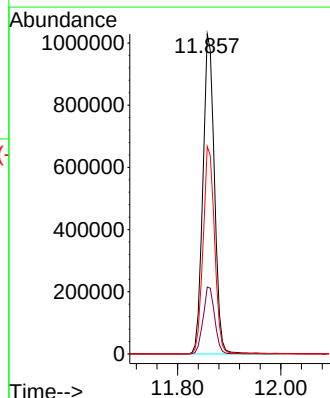
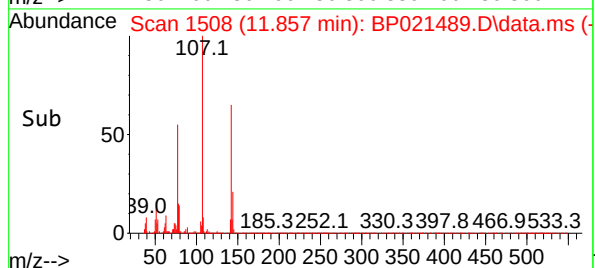
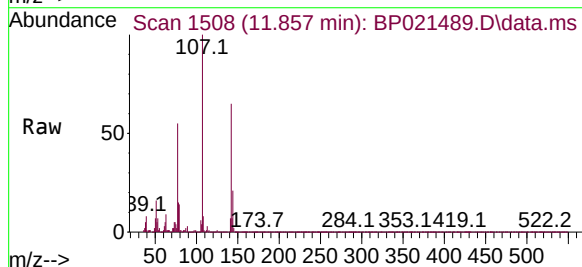
Manual Integrations  
APPROVED

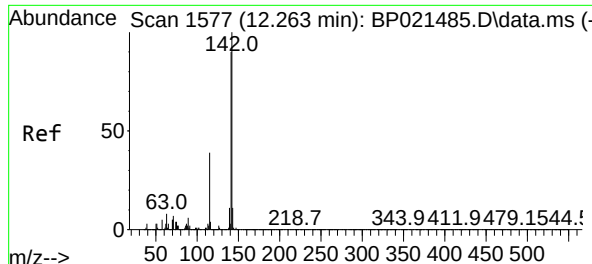
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#36  
4-Chloro-3-methylphenol  
Concen: 42.987 ng  
RT: 11.857 min Scan# 1508  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

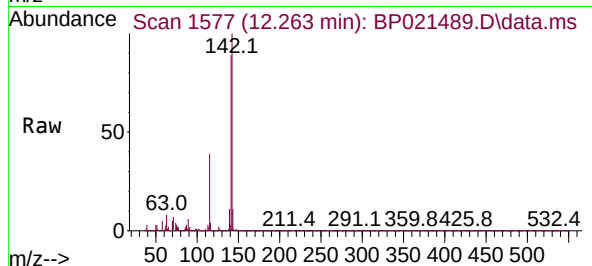
Tgt Ion:107 Resp: 1591956  
Ion Ratio Lower Upper  
107 100  
144 20.9 16.6 24.8  
142 64.9 51.0 76.4





#37  
2-Methylnaphthalene  
Concen: 40.412 ng  
RT: 12.263 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

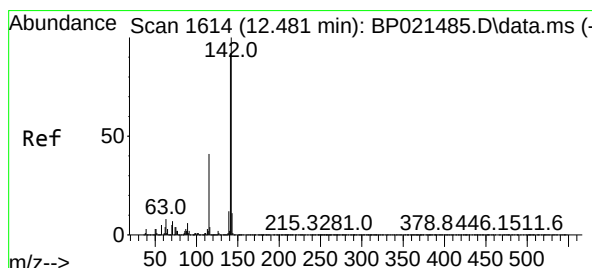
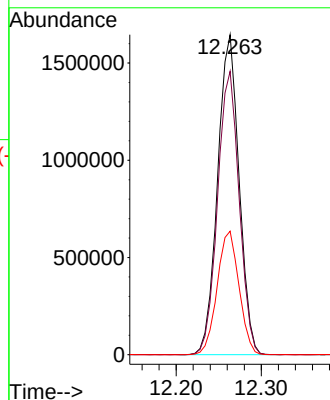
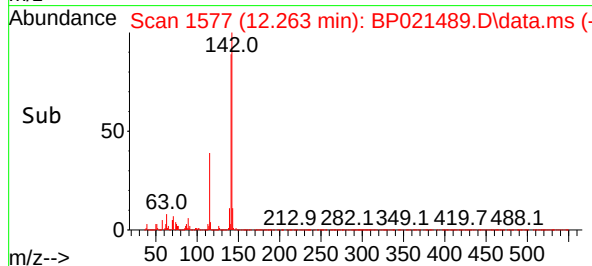
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



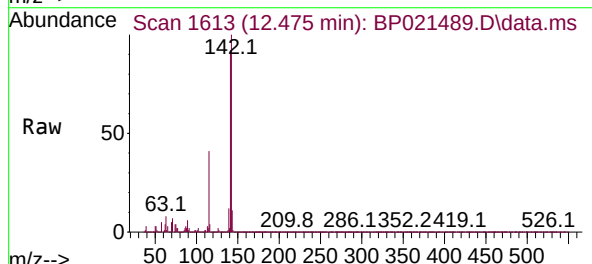
Tgt Ion:142 Resp: 2882235  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.7 107.5  
115 38.6 31.4 47.2

Manual Integrations  
APPROVED

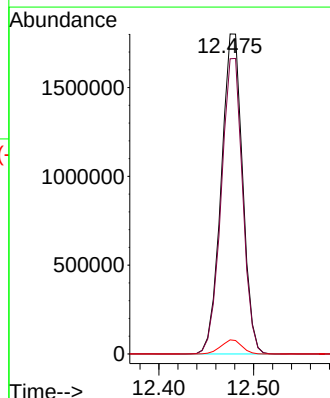
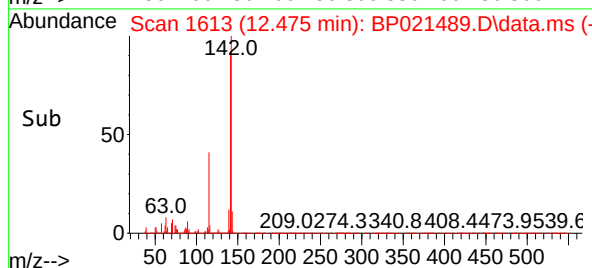
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

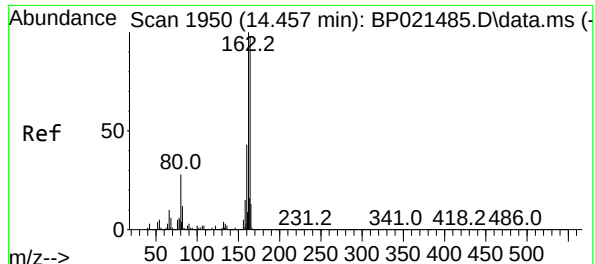


#38  
1-Methylnaphthalene  
Concen: 40.173 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



Tgt Ion:142 Resp: 2825877  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.5 110.3  
116 4.4 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.463 min Scan# 1950

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:164 Resp: 1334240

Ion Ratio Lower Upper

164 100

162 102.1 81.5 122.3

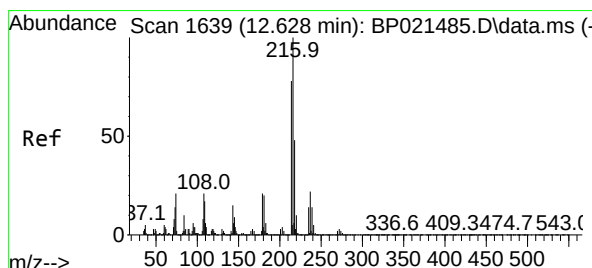
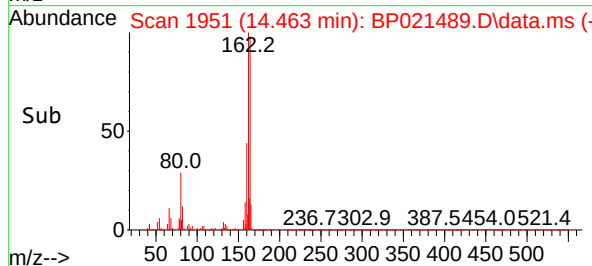
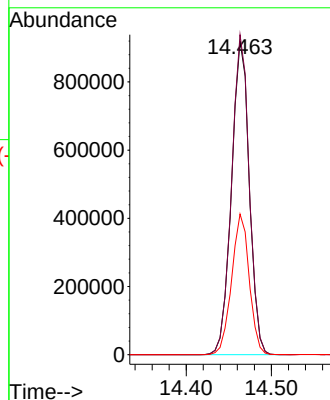
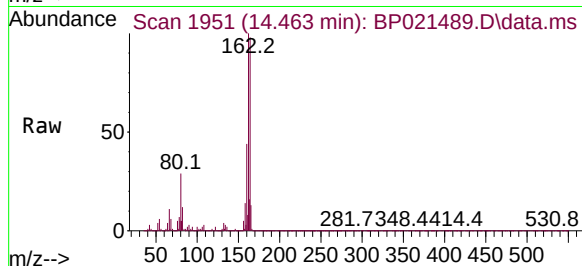
160 44.9 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.261 ng

RT: 12.640 min Scan# 1641

Delta R.T. 0.012 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Tgt Ion:216 Resp: 1573947

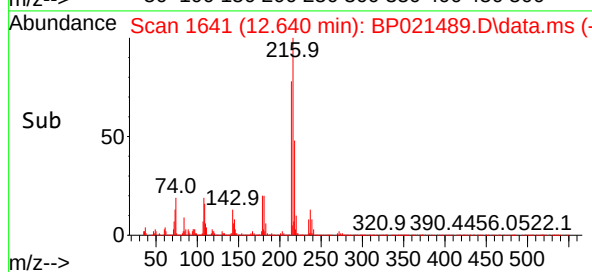
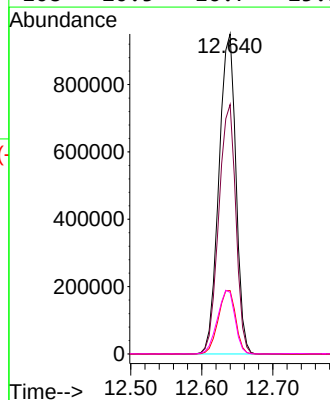
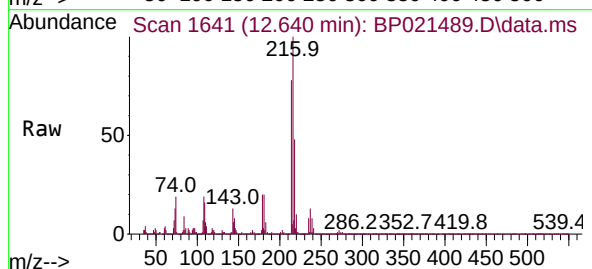
Ion Ratio Lower Upper

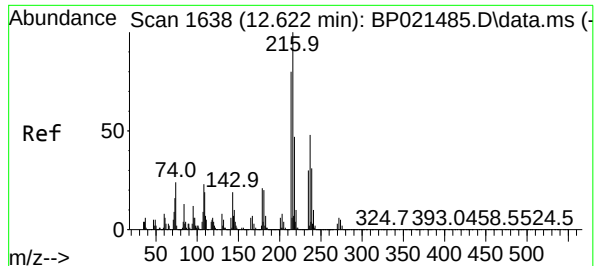
216 100

214 77.9 62.5 93.7

179 20.3 16.4 24.6

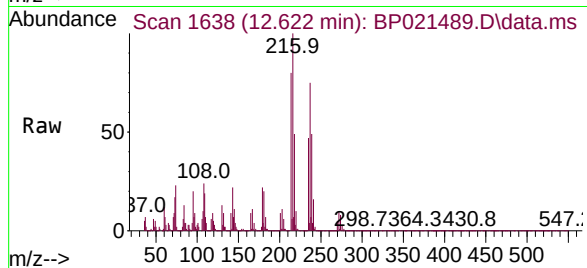
108 20.5 16.7 25.1





#41  
Hexachlorocyclopentadiene  
Concen: 43.183 ng  
RT: 12.622 min Scan# 1638  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

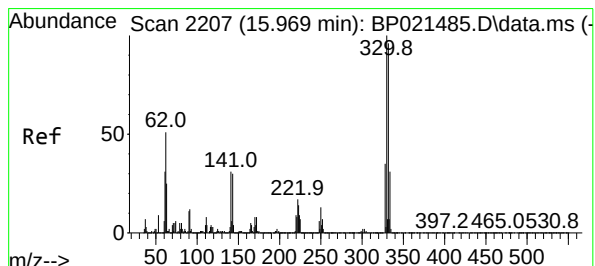
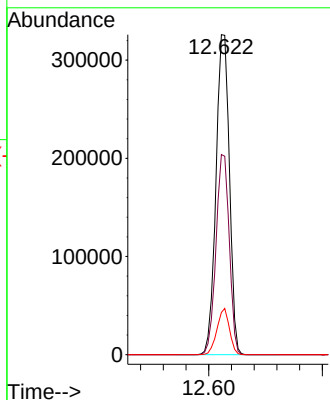
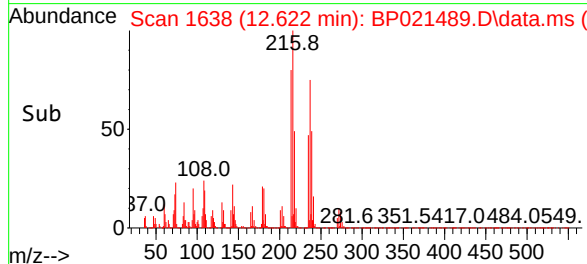
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



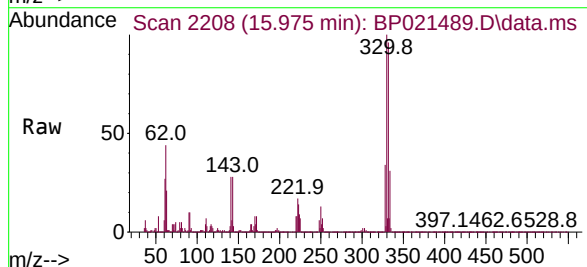
Tgt Ion: 237 Resp: 535050  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.9 83.9  
272 13.2 0.0 33.3

Manual Integrations  
APPROVED

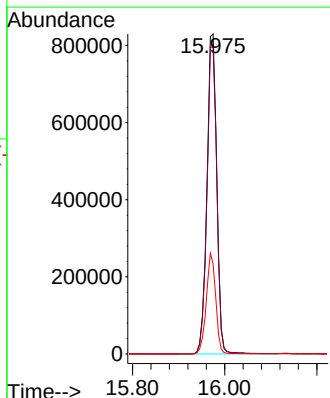
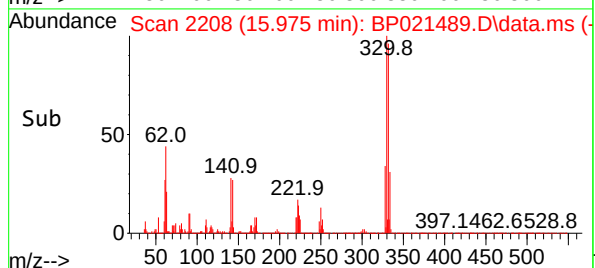
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024

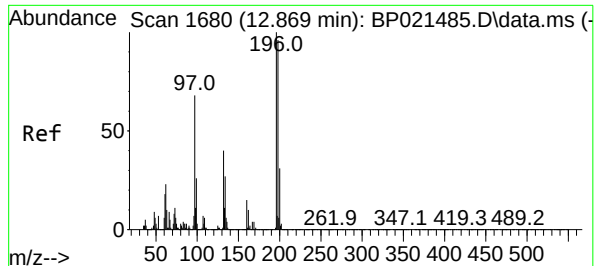


#42  
2,4,6-Tribromophenol  
Concen: 83.477 ng  
RT: 15.975 min Scan# 2208  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



Tgt Ion: 330 Resp: 1239599  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.4 116.0  
141 30.2 24.5 36.7





#43

2,4,6-Trichlorophenol

Concen: 44.249 ng

RT: 12.869 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

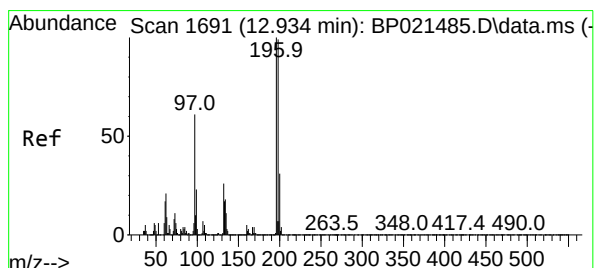
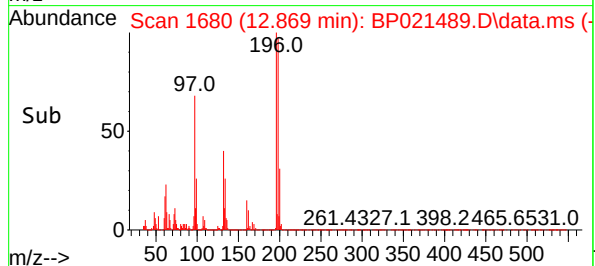
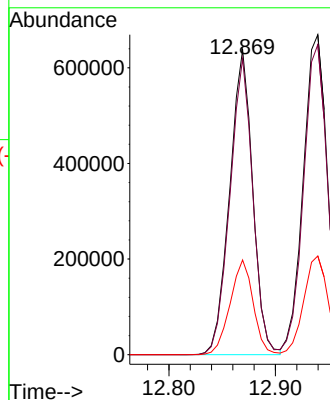
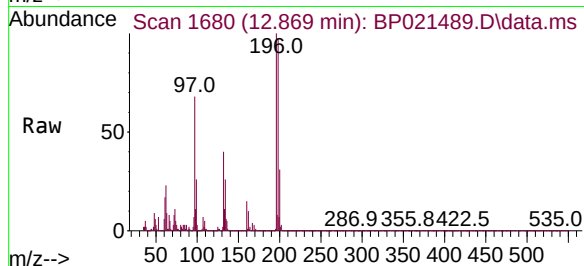
|             |                 |
|-------------|-----------------|
| Tgt Ion:196 | Resp: 960914    |
| Ion Ratio   | Lower Upper     |
| 196         | 100             |
| 198         | 97.1 76.6 114.8 |
| 200         | 31.1 24.5 36.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 44.396 ng

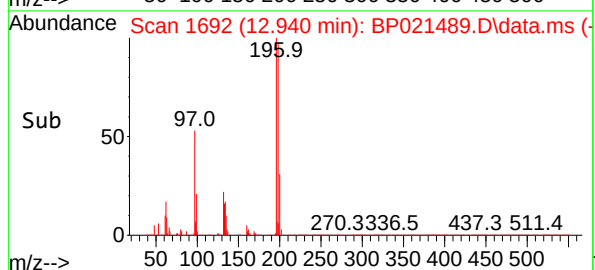
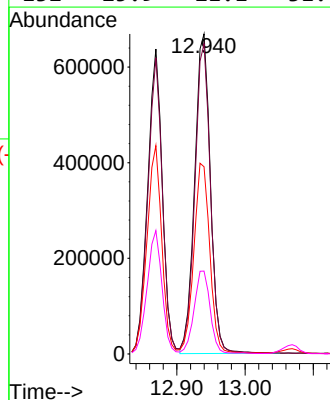
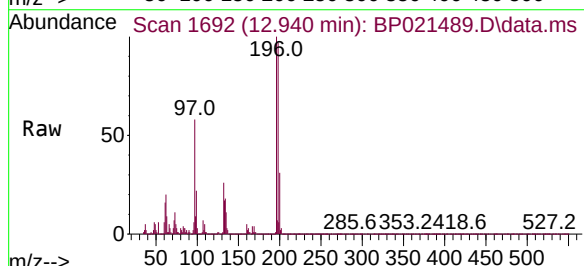
RT: 12.940 min Scan# 1692

Delta R.T. 0.006 min

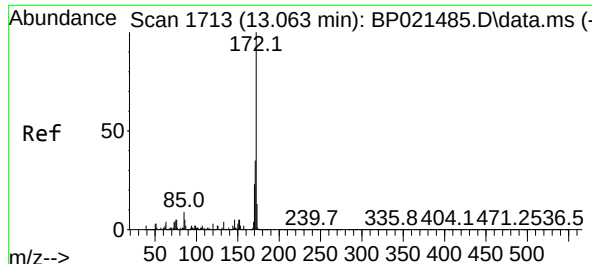
Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

|             |                 |
|-------------|-----------------|
| Tgt Ion:196 | Resp: 1071161   |
| Ion Ratio   | Lower Upper     |
| 196         | 100             |
| 198         | 96.9 78.9 118.3 |
| 97          | 58.5 49.4 74.0  |
| 132         | 25.9 21.1 31.7  |

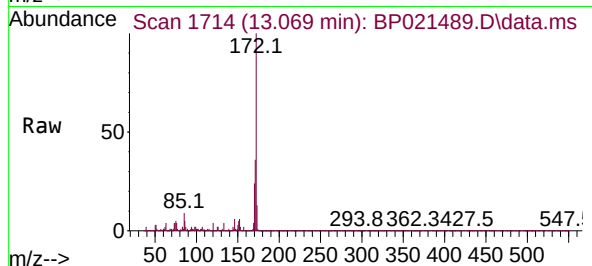






#45  
2-Fluorobiphenyl  
Concen: 78.649 ng  
RT: 13.069 min Scan# 1713  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

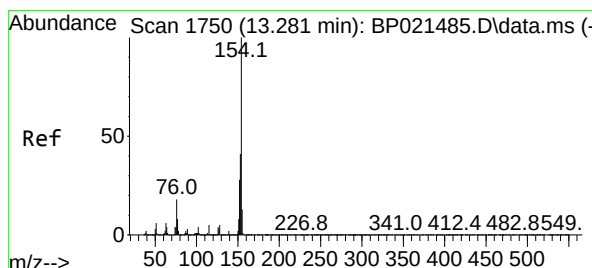
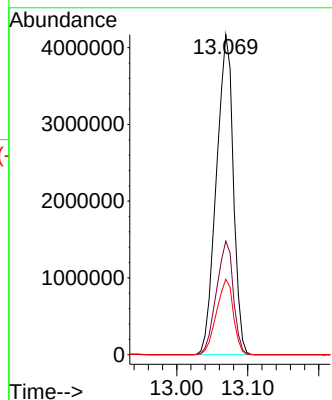
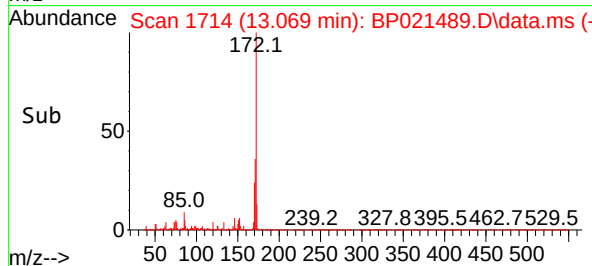
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



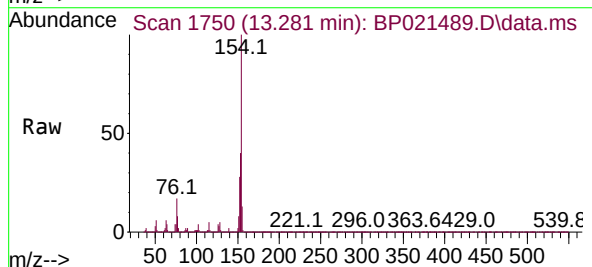
Tgt Ion:172 Resp: 687586  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.2 42.4  
170 23.6 18.4 27.6

Manual Integrations  
APPROVED

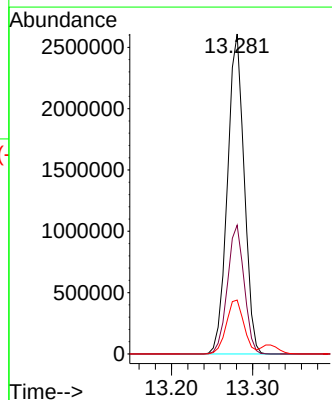
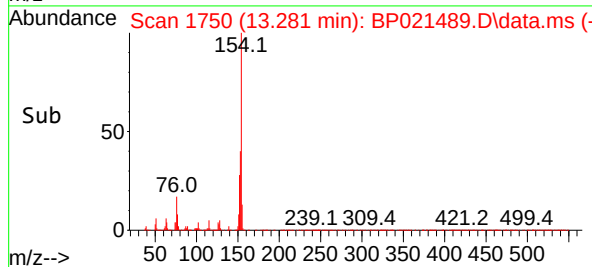
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

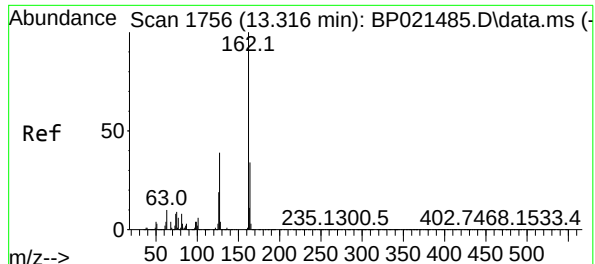


#46  
1,1'-Biphenyl  
Concen: 39.542 ng  
RT: 13.281 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03



Tgt Ion:154 Resp: 3732699  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.7 60.7  
76 16.9 0.0 37.7





#47

2-Chloronaphthalene

Concen: 39.695 ng

RT: 13.322 min Scan# 1757

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:162 Resp: 291730

Ion Ratio Lower Upper

162 100

127 40.2 31.9 47.9

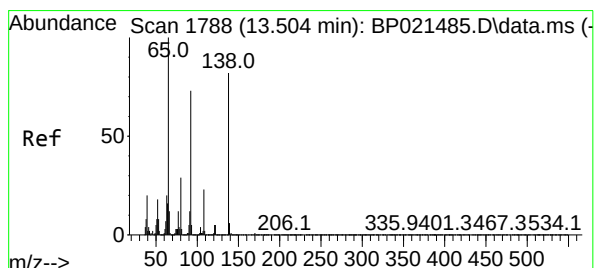
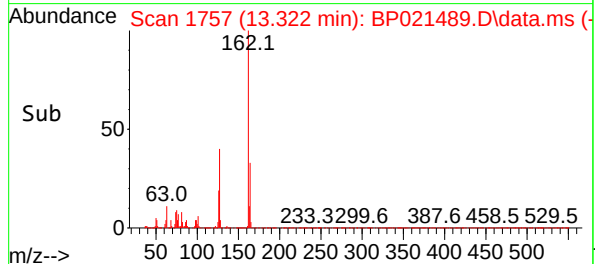
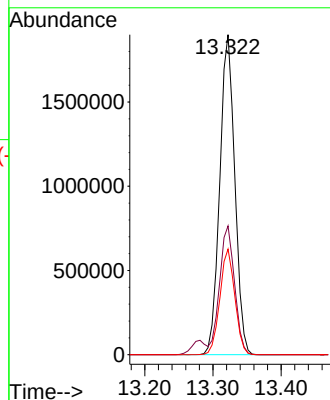
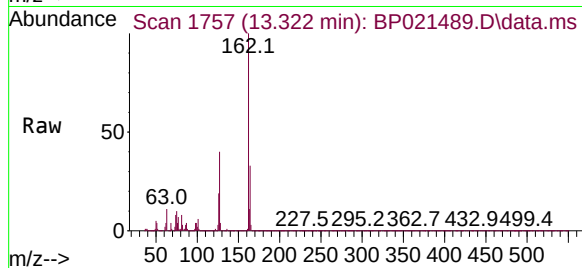
164 33.0 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 43.044 ng

RT: 13.510 min Scan# 1789

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

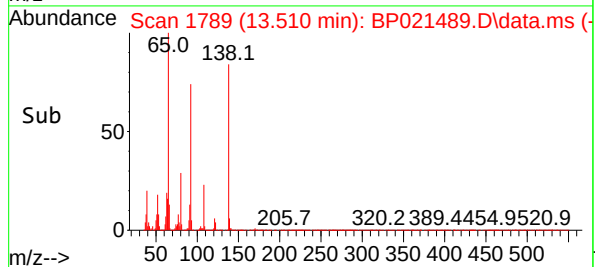
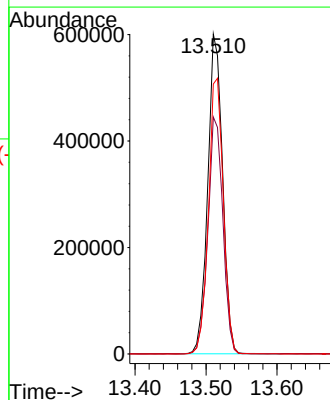
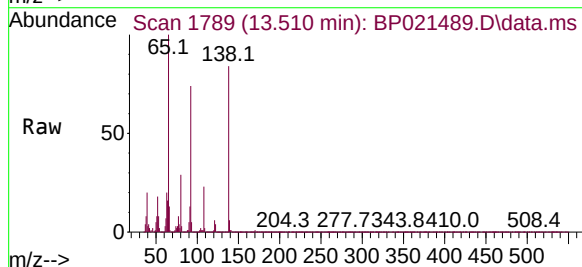
Tgt Ion: 65 Resp: 874355

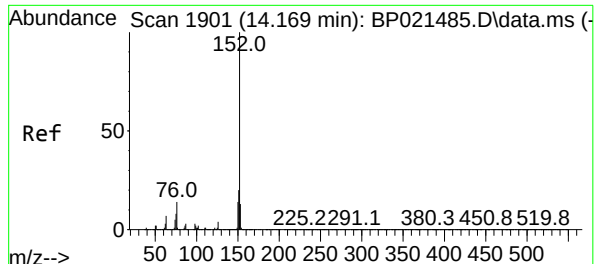
Ion Ratio Lower Upper

65 100

92 74.0 58.1 87.1

138 84.4 65.5 98.3





#49

Acenaphthylene

Concen: 39.531 ng

RT: 14.181 min Scan# 1901

Delta R.T. 0.012 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:152 Resp: 427089

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

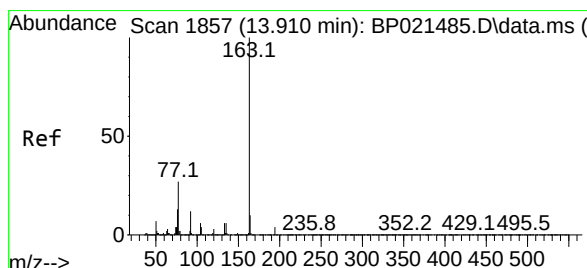
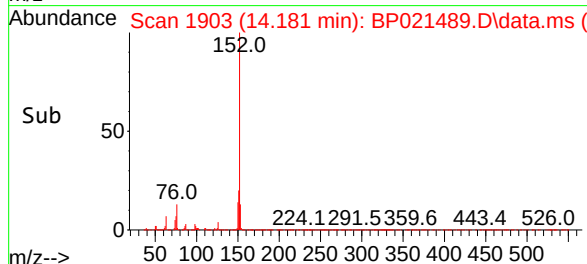
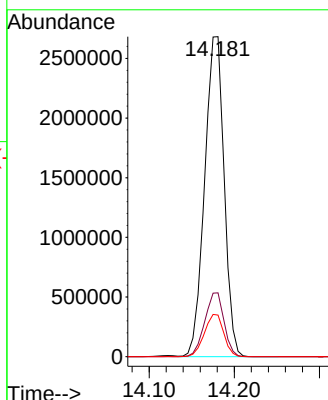
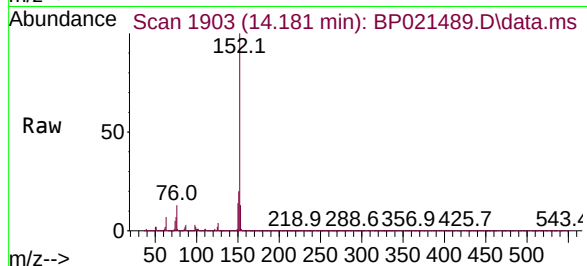
153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

Concen: 39.127 ng

RT: 13.910 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

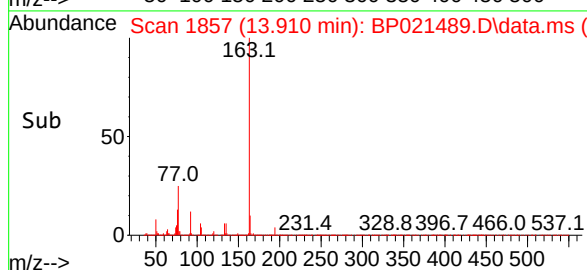
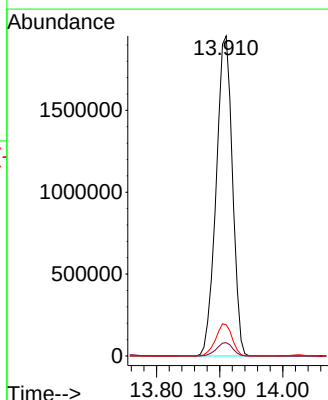
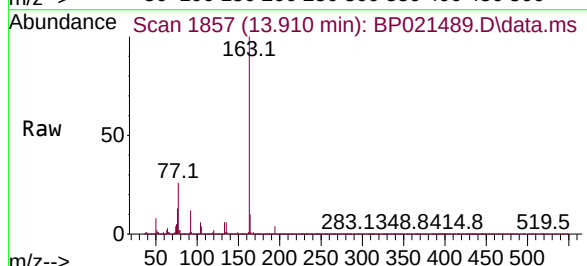
Tgt Ion:163 Resp: 3496130

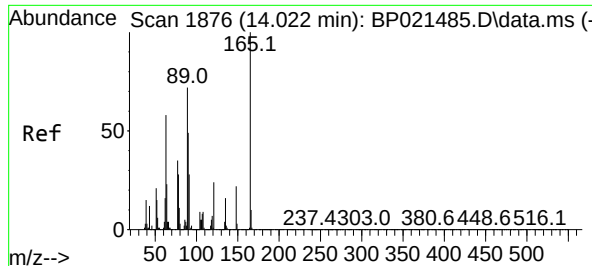
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.7 8.3 12.5





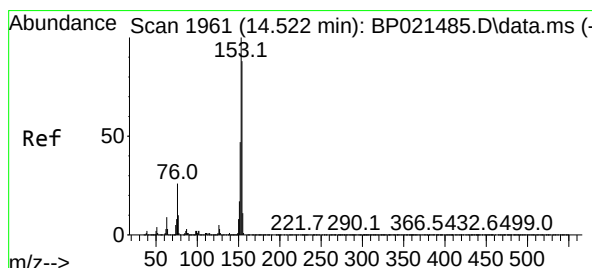
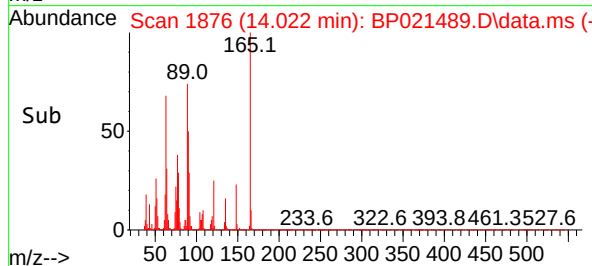
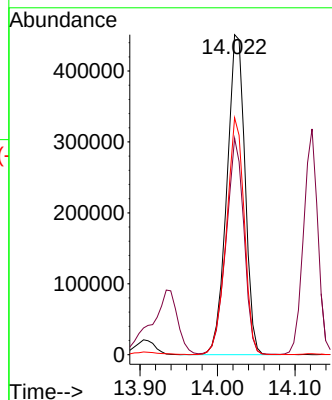
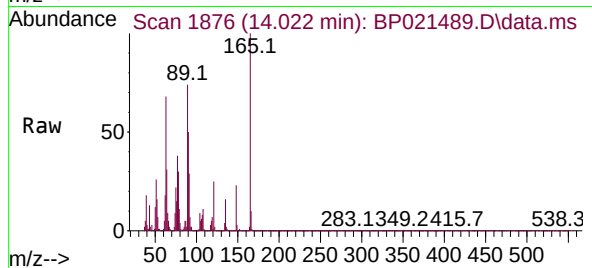
#51  
2,6-Dinitrotoluene  
Concen: 41.424 ng  
RT: 14.022 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Tgt Ion:165 Resp: 735994  
Ion Ratio Lower Upper  
165 100  
63 67.6 51.5 77.3  
89 74.0 57.8 86.8

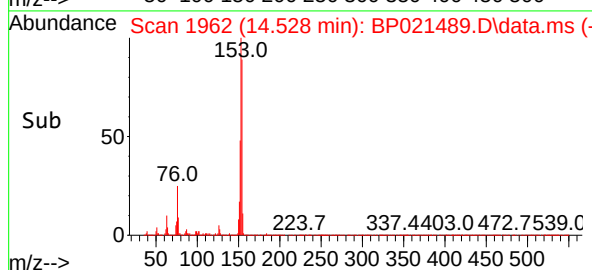
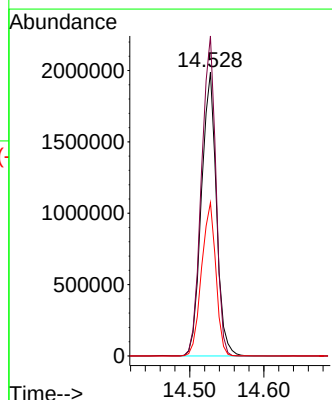
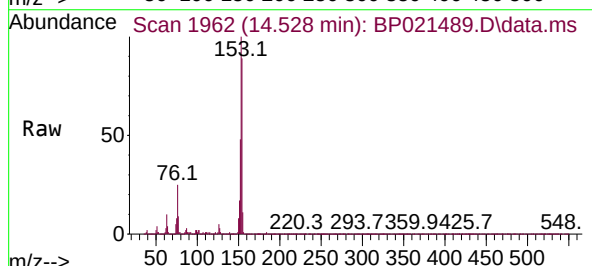
Manual Integrations  
APPROVED

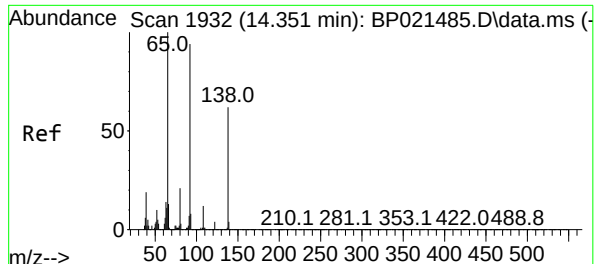
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#52  
Acenaphthene  
Concen: 39.366 ng  
RT: 14.528 min Scan# 1962  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 2790584  
Ion Ratio Lower Upper  
154 100  
153 112.8 91.1 136.7  
152 54.0 43.0 64.4





#53  
3-Nitroaniline  
Concen: 40.483 ng  
RT: 14.351 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

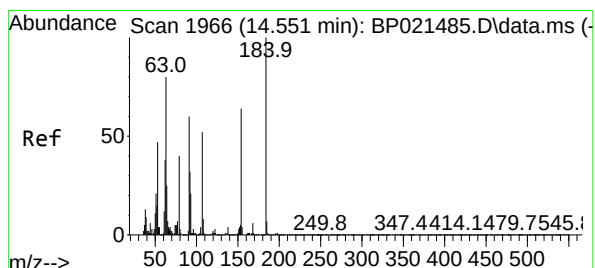
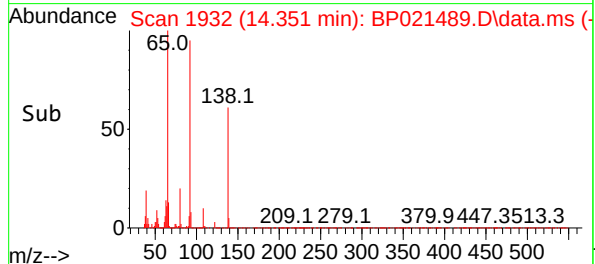
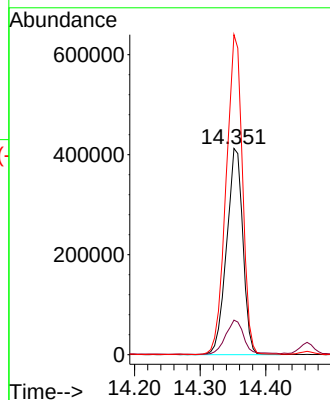
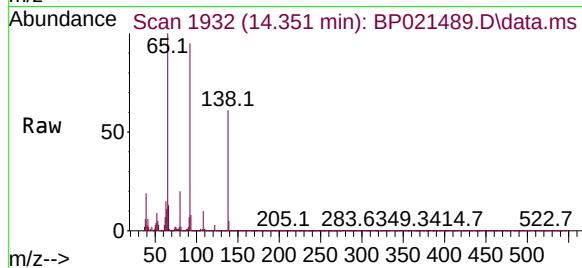
ClientSampleId :

ICVBP081324

Tgt Ion:138 Resp: 705420  
Ion Ratio Lower Upper  
138 100  
108 16.7 16.2 24.4  
92 155.2 122.2 183.4

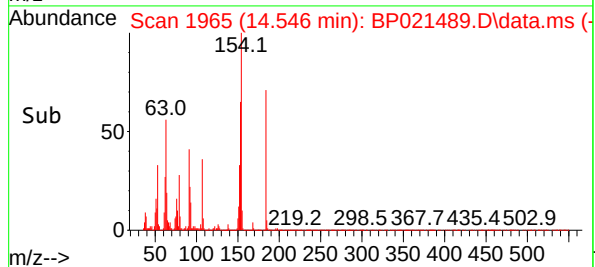
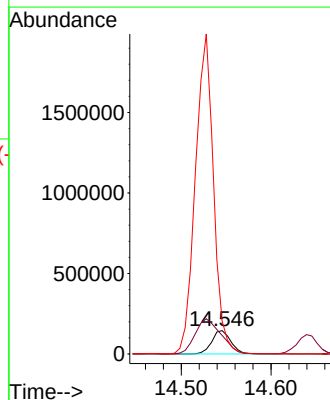
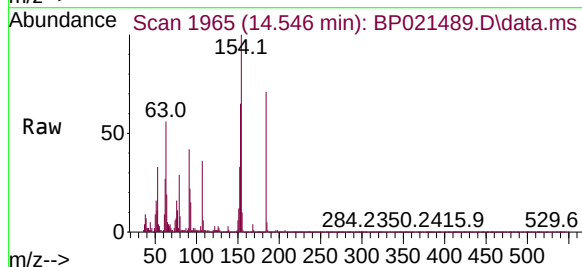
Manual Integrations  
APPROVED

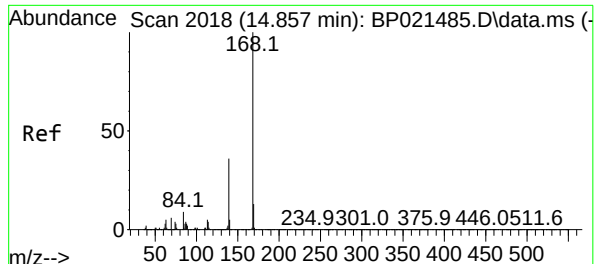
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#54  
2,4-Dinitrophenol  
Concen: 45.065 ng  
RT: 14.546 min Scan# 1965  
Delta R.T. -0.005 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 215120  
Ion Ratio Lower Upper  
184 100  
63 79.1 64.9 97.3  
154 140.5 52.1 78.1#





#55

Dibenzenofuran

Concen: 38.543 ng

RT: 14.863 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

Client Sample Id :

ICVBP081324

Tgt Ion:168 Resp: 4202990

Ion Ratio Lower Upper

168 100

139 36.4 28.6 43.0

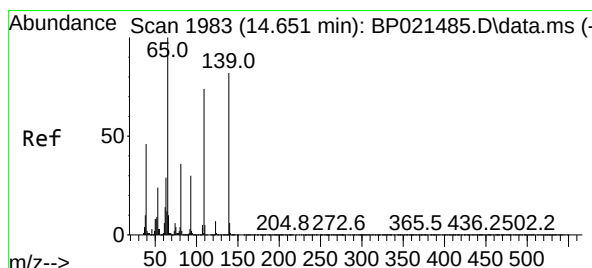
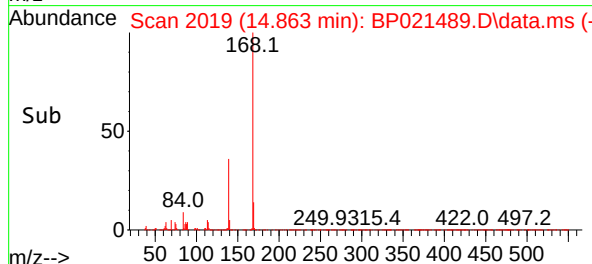
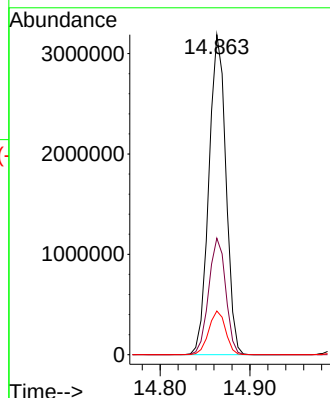
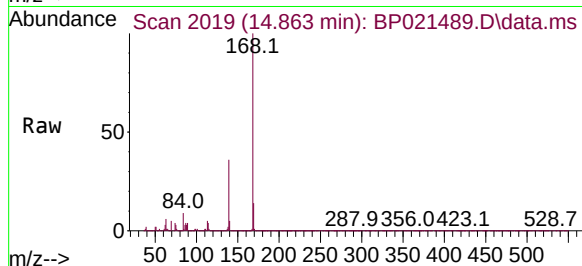
169 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#56

4-Nitrophenol

Concen: 39.582 ng

RT: 14.640 min Scan# 1981

Delta R.T. -0.011 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

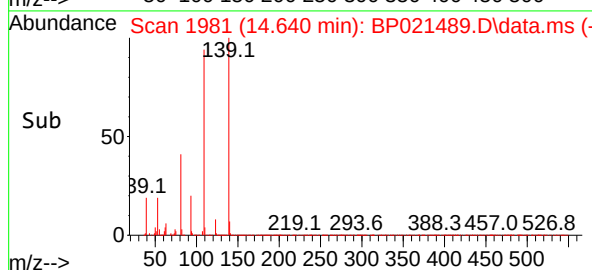
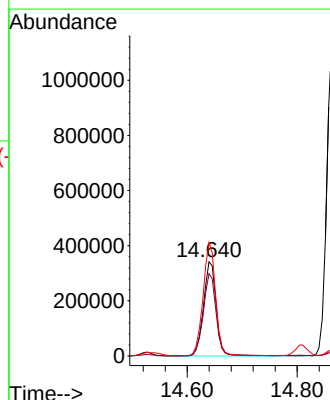
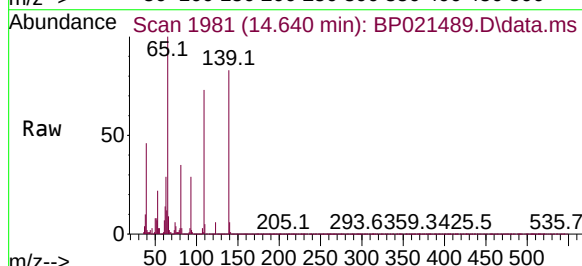
Tgt Ion:139 Resp: 545969

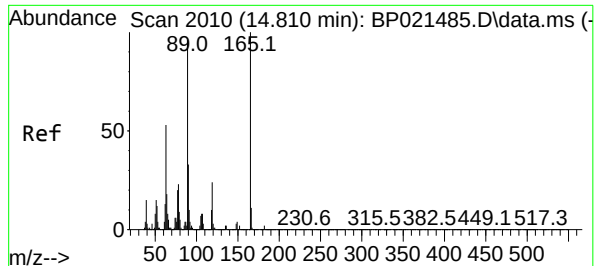
Ion Ratio Lower Upper

139 100

109 87.4 70.2 110.2

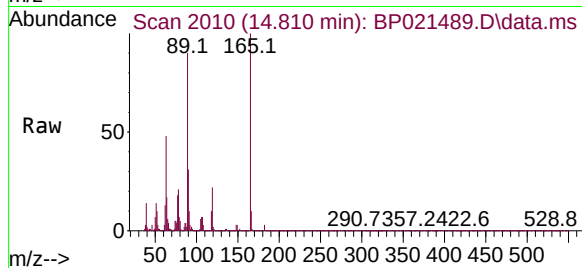
65 120.5 101.8 141.8





#57  
2,4-Dinitrotoluene  
Concen: 40.864 ng  
RT: 14.810 min Scan# 2010  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

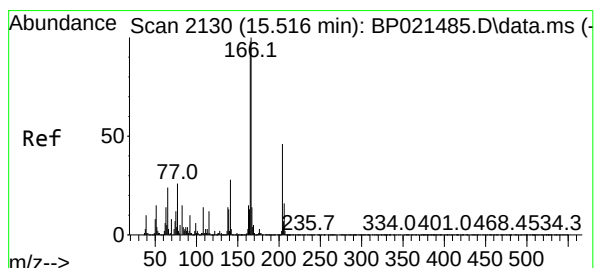
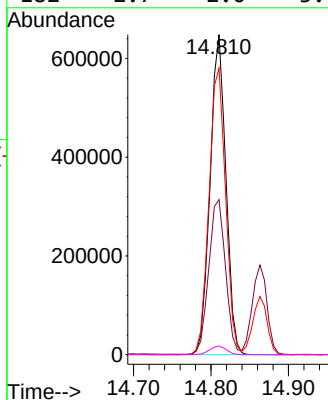
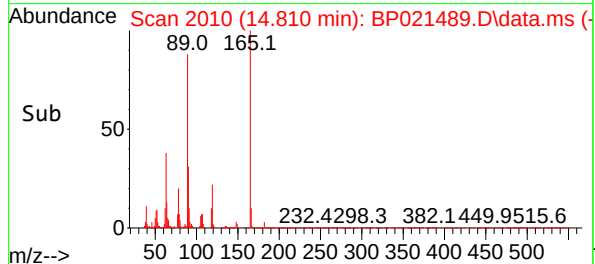
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:165 Resp: 917790  
Ion Ratio Lower Upper  
165 100  
63 48.5 42.5 63.7  
89 89.5 77.1 115.7  
182 2.7 2.0 3.0

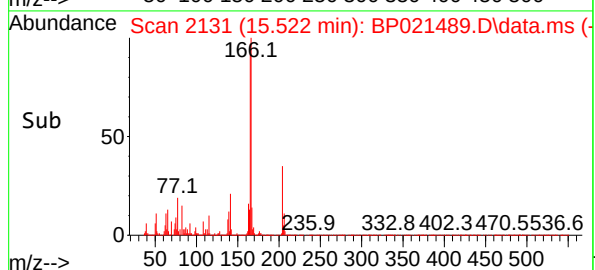
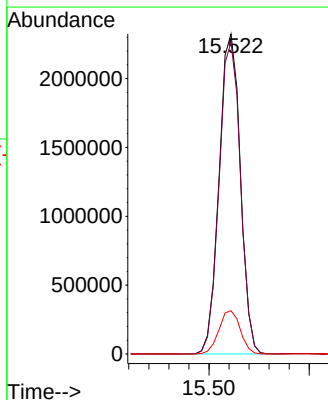
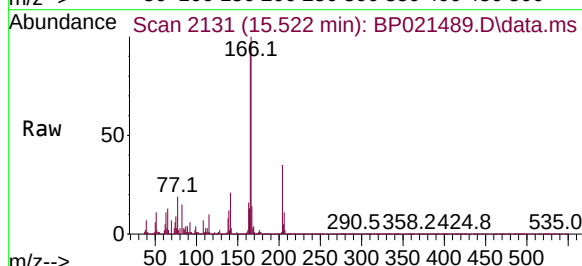
Manual Integrations  
APPROVED

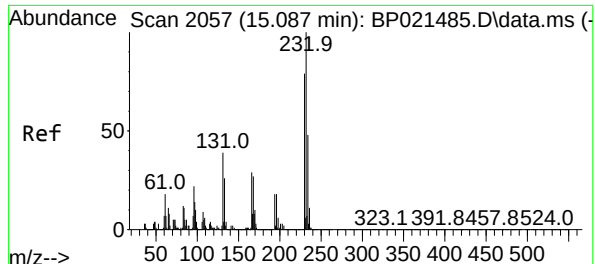
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#58  
Fluorene  
Concen: 38.055 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:166 Resp: 3409197  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.1 117.1  
167 13.5 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.310 ng

RT: 15.093 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:232 Resp: 866459

Ion Ratio Lower Upper

232 100

131 42.1 33.1 49.7

130 2.2 1.7 2.5

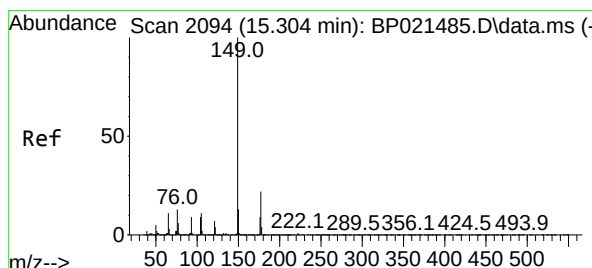
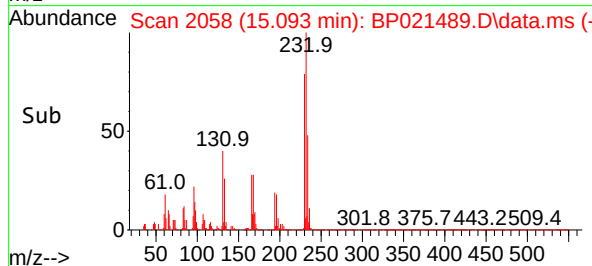
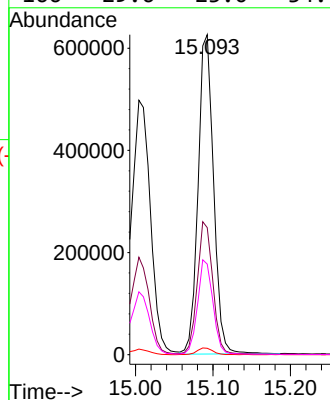
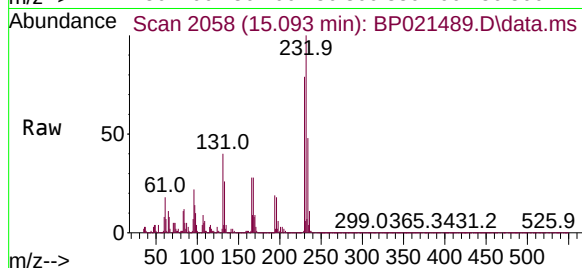
166 29.6 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#60

Diethylphthalate

Concen: 37.752 ng

RT: 15.293 min Scan# 2092

Delta R.T. -0.012 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

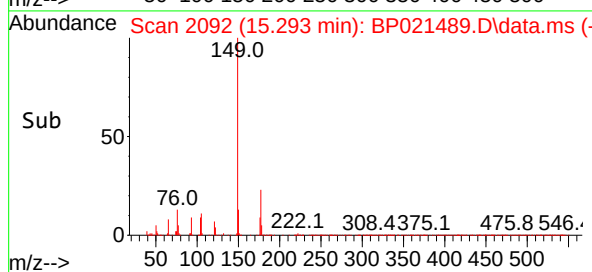
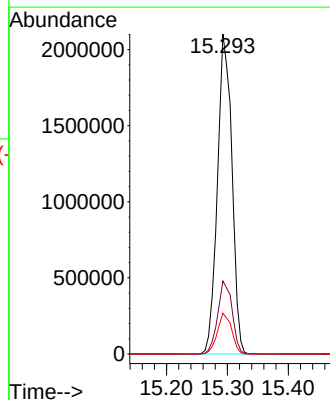
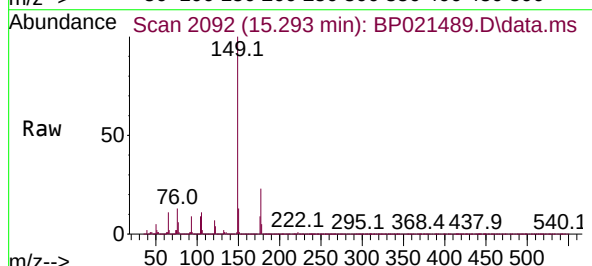
Tgt Ion:149 Resp: 3461071

Ion Ratio Lower Upper

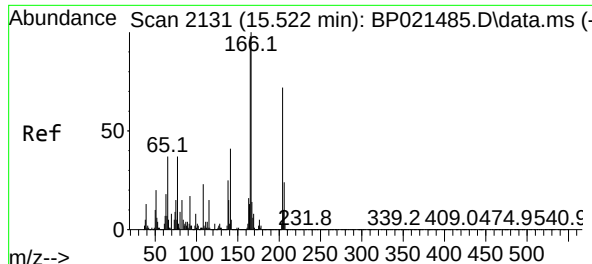
149 100

177 22.8 17.8 26.8

150 12.7 10.1 15.1

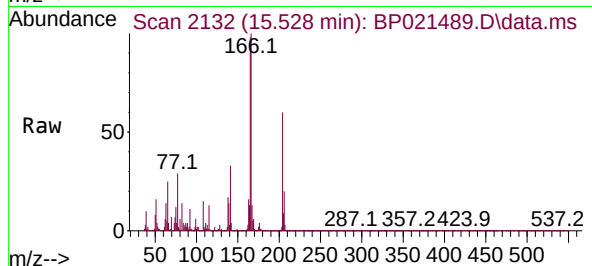






#61  
4-Chlorophenyl-phenylether  
Concen: 38.777 ng  
RT: 15.528 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

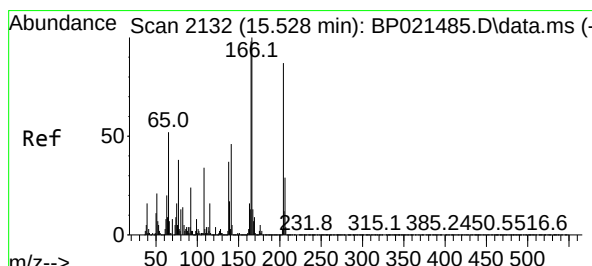
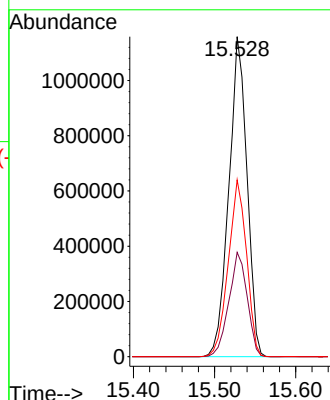
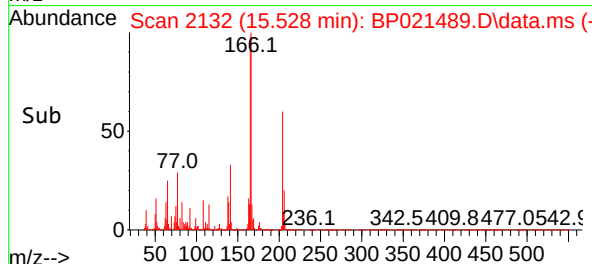
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:204 Resp: 179566  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.4 39.6  
141 55.3 46.1 69.1

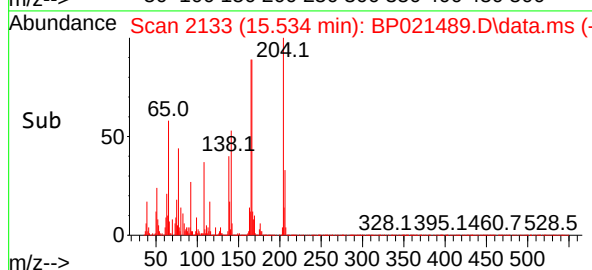
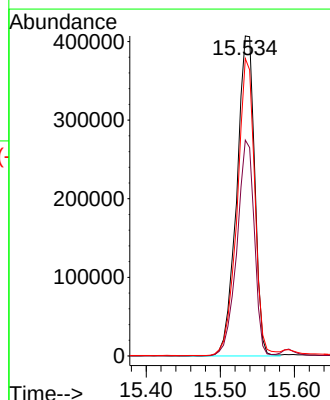
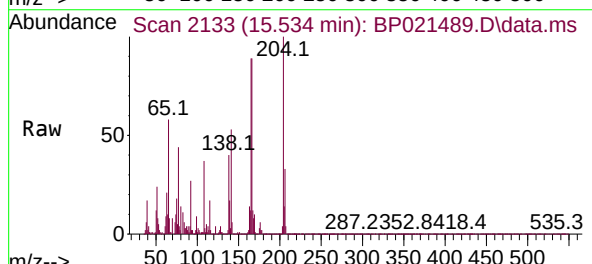
Manual Integrations  
APPROVED

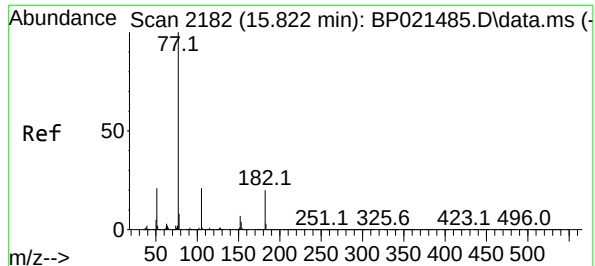
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#62  
4-Nitroaniline  
Concen: 38.254 ng  
RT: 15.534 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

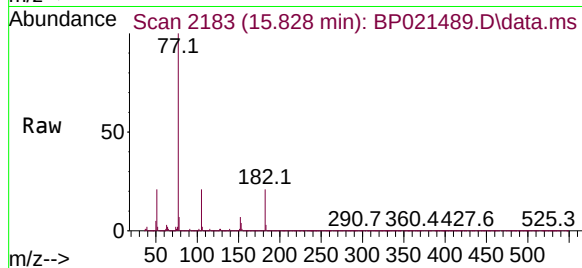
Tgt Ion:138 Resp: 685273  
Ion Ratio Lower Upper  
138 100  
92 67.4 46.4 86.4  
108 93.0 73.2 113.2





#63  
Azobenzene  
Concen: 37.833 ng  
RT: 15.828 min Scan# 2182  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

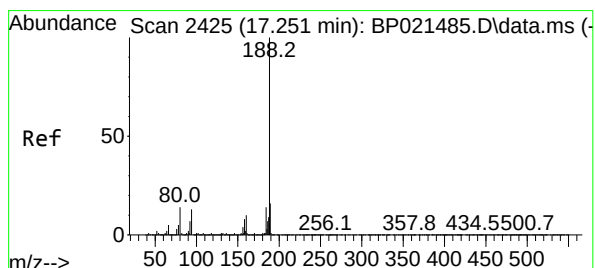
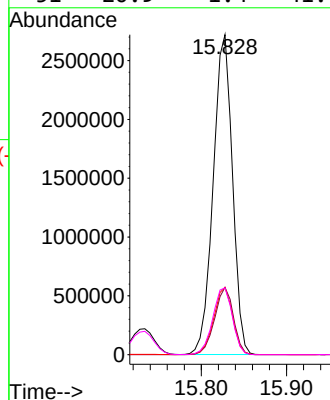
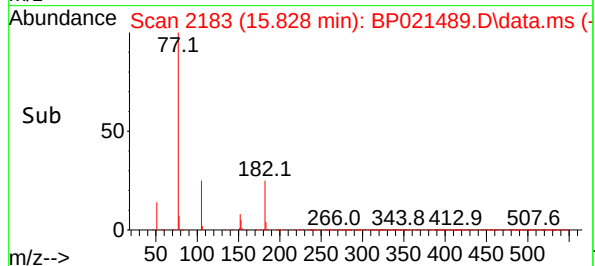
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion: 77 Resp: 426359  
Ion Ratio Lower Upper  
77 100  
182 21.0 0.0 39.9  
105 21.0 0.9 40.9  
51 20.9 1.4 41.4

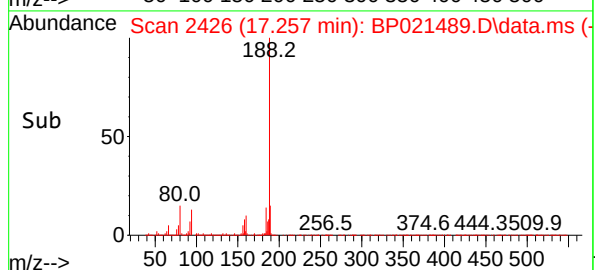
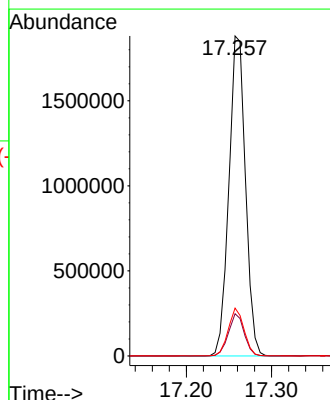
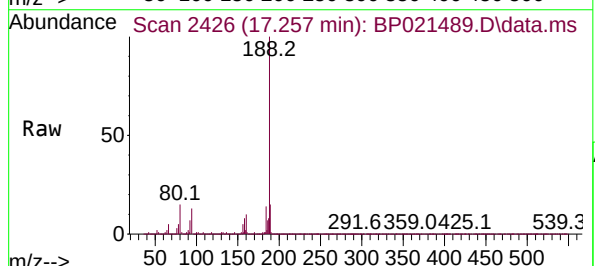
Manual Integrations  
APPROVED

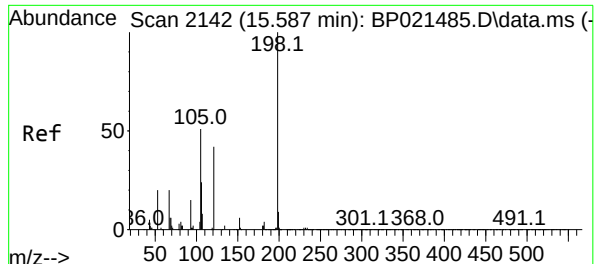
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:188 Resp: 2538103  
Ion Ratio Lower Upper  
188 100  
94 13.2 10.2 15.4  
80 15.0 11.6 17.4





#65

4,6-Dinitro-2-methylphenol

Concen: 46.281 ng

RT: 15.593 min Scan# 2143

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:198 Resp: 343500

Ion Ratio Lower Upper

198 100

51 39.6 21.5 61.5

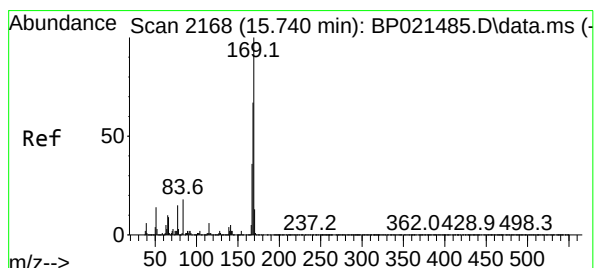
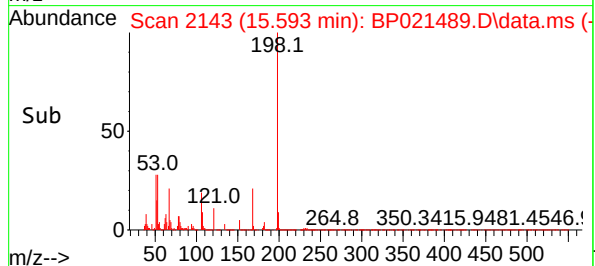
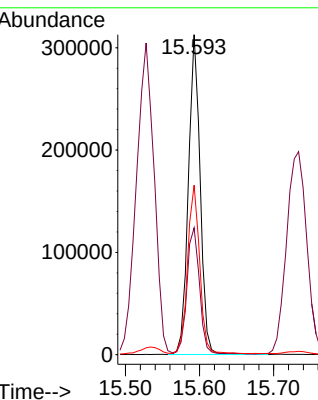
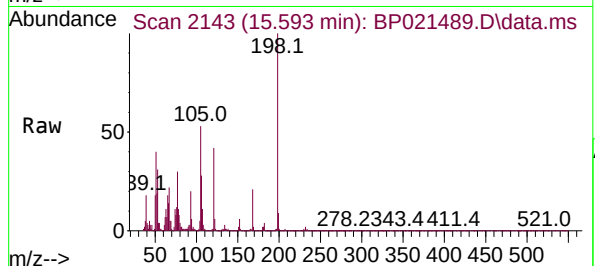
105 53.0 32.9 72.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#66

n-Nitrosodiphenylamine

Concen: 42.093 ng

RT: 15.734 min Scan# 2167

Delta R.T. -0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

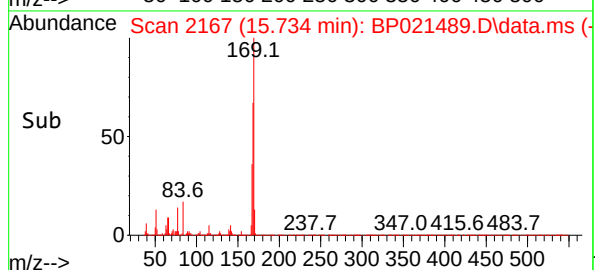
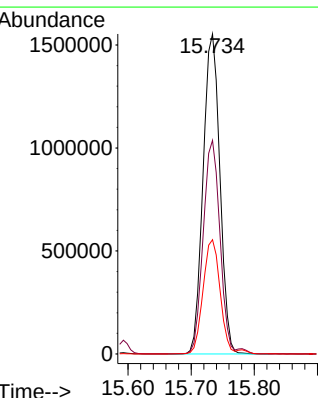
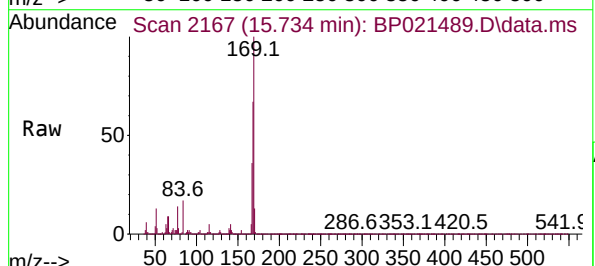
Tgt Ion:169 Resp: 2863059

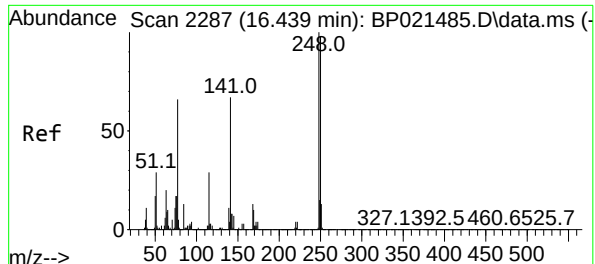
Ion Ratio Lower Upper

169 100

168 66.8 53.4 80.2

167 35.7 28.7 43.1





#67

4-Bromophenyl-phenylether

Concen: 42.289 ng

RT: 16.440 min Scan# 2287

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:248 Resp: 113596

Ion Ratio Lower Upper

248 100

250 98.2 78.6 117.8

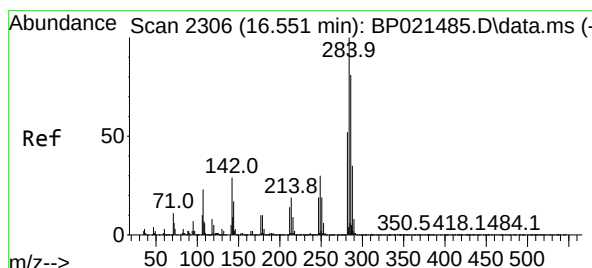
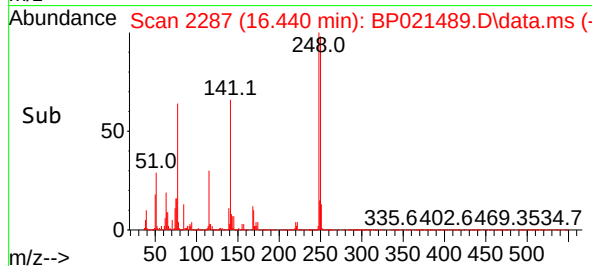
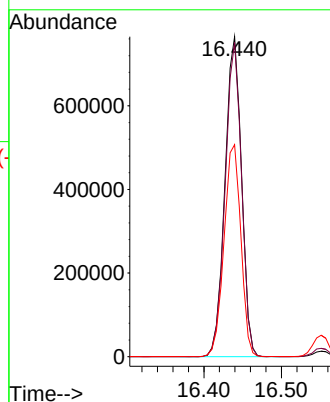
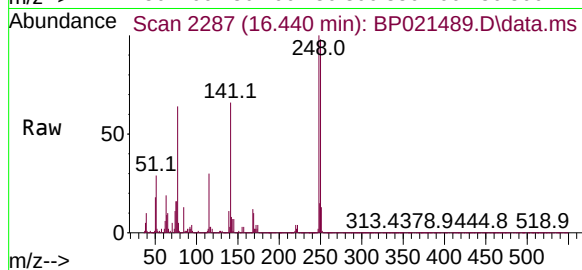
141 66.3 53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 41.161 ng

RT: 16.551 min Scan# 2306

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

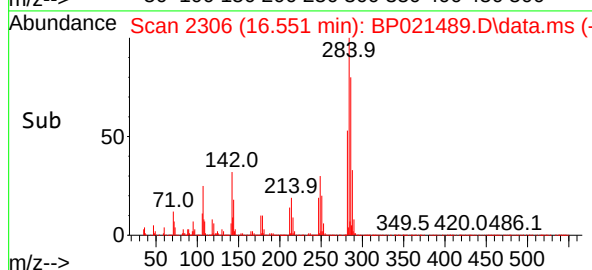
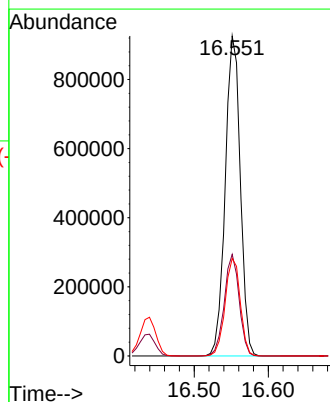
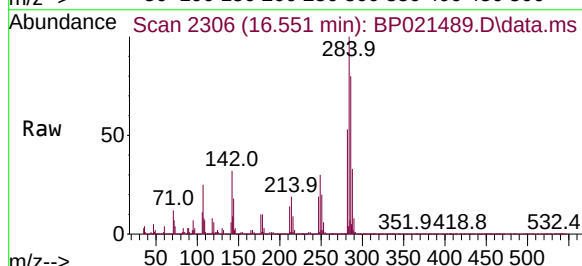
Tgt Ion:284 Resp: 1306627

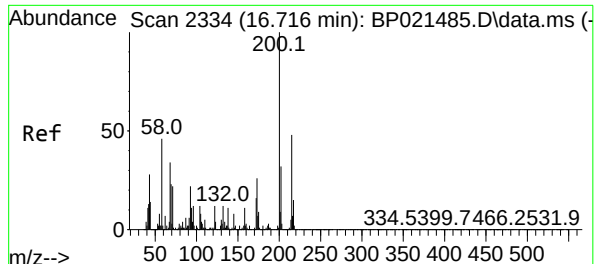
Ion Ratio Lower Upper

284 100

142 31.8 23.4 35.2

249 30.4 24.1 36.1





#69

Atrazine

Concen: 38.851 ng

RT: 16.710 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:200 Resp: 90726

Ion Ratio Lower Upper

200 100

173 26.3 6.2 46.2

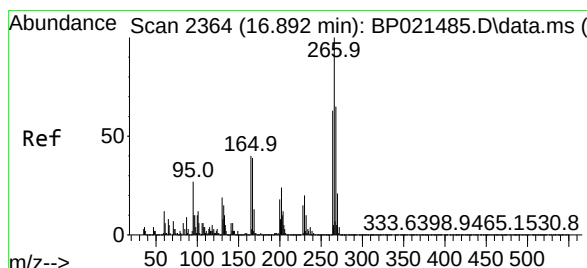
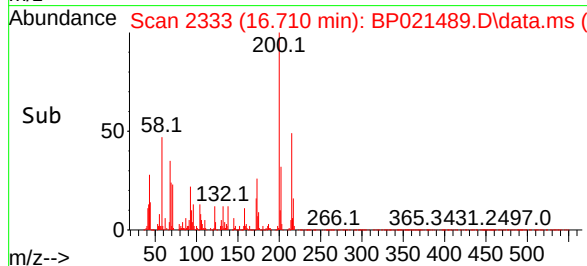
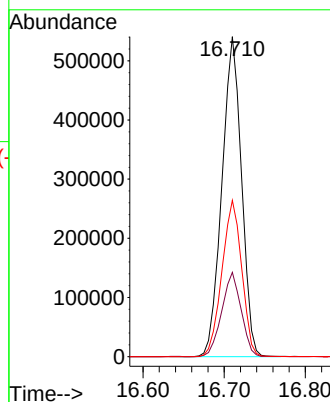
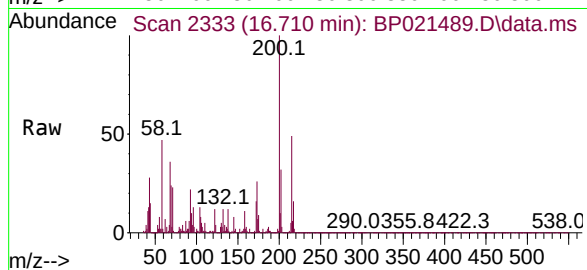
215 48.9 28.4 68.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#70

Pentachlorophenol

Concen: 44.446 ng

RT: 16.898 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

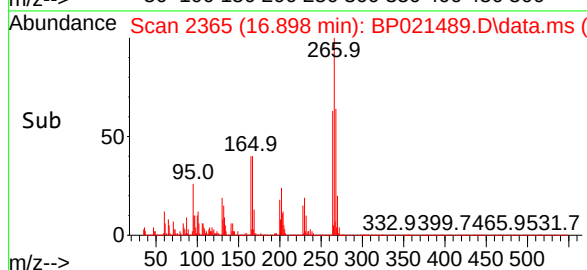
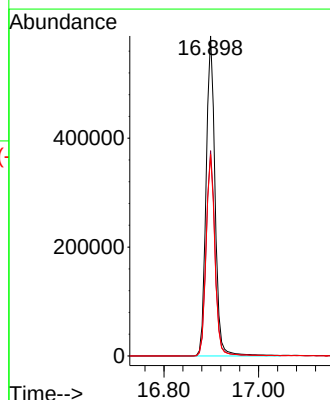
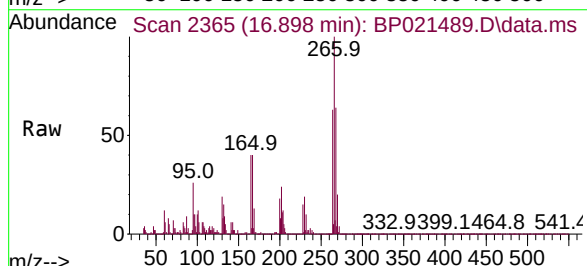
Tgt Ion:266 Resp: 770079

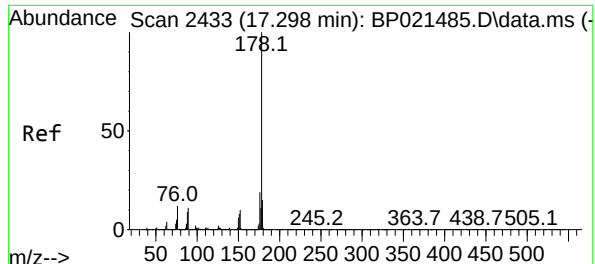
Ion Ratio Lower Upper

266 100

268 64.2 51.8 77.6

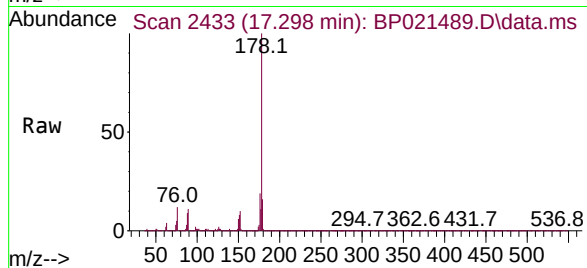
264 63.0 50.5 75.7





#71  
Phenanthrene  
Concen: 39.541 ng  
RT: 17.298 min Scan# 2433  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

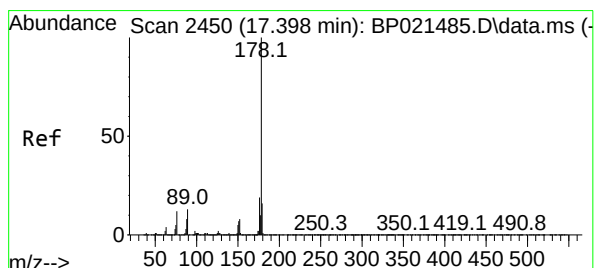
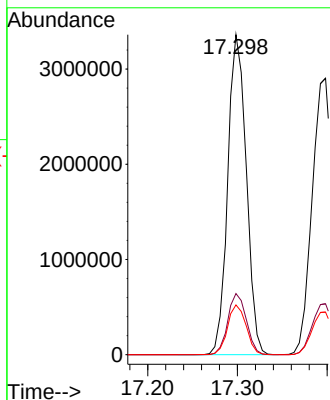
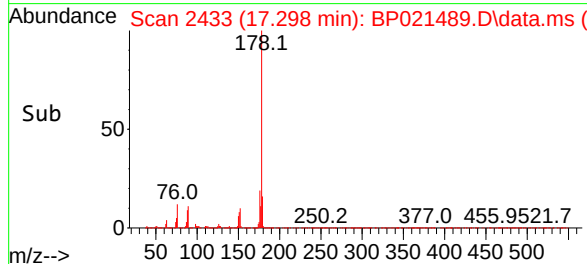
Instrument :  
BNA\_P  
Client Sample Id :  
ICVBP081324



Tgt Ion:178 Resp: 4826480  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 15.6 12.4 18.6

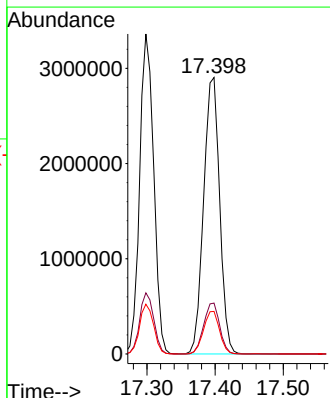
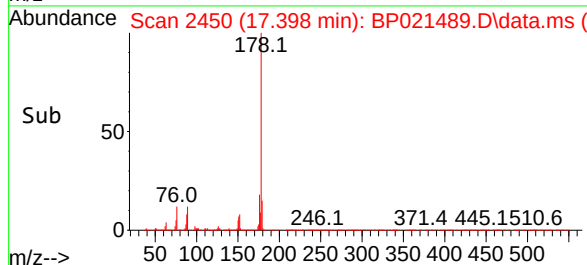
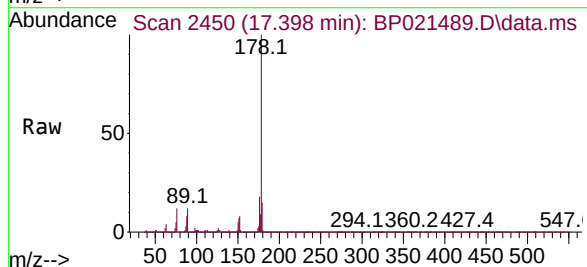
Manual Integrations  
APPROVED

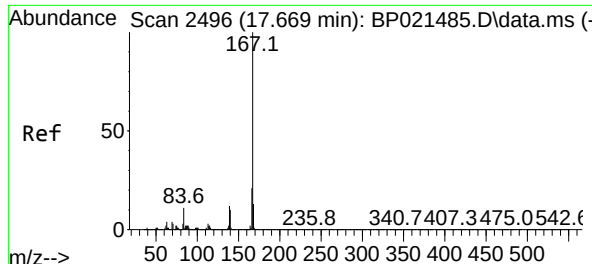
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#72  
Anthracene  
Concen: 39.639 ng  
RT: 17.398 min Scan# 2450  
Delta R.T. 0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

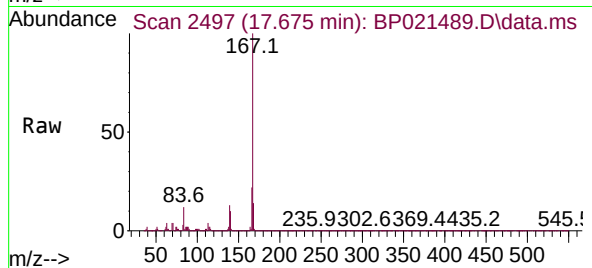
Tgt Ion:178 Resp: 4745227  
Ion Ratio Lower Upper  
178 100  
176 18.4 14.9 22.3  
179 15.4 12.5 18.7





#73  
Carbazole  
Concen: 37.457 ng  
RT: 17.675 min Scan# 2497  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

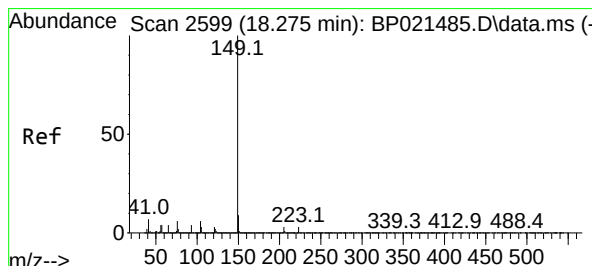
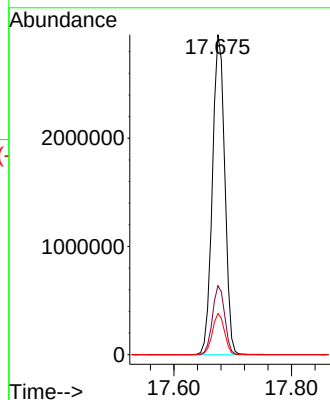
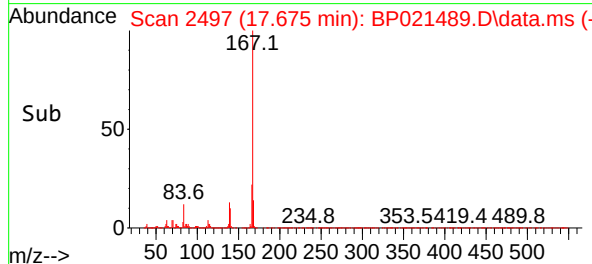
Instrument :  
BNA\_P  
Client Sample Id :  
ICVBP081324



Tgt Ion:167 Resp: 432124  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.0 25.4  
139 12.8 9.9 14.9

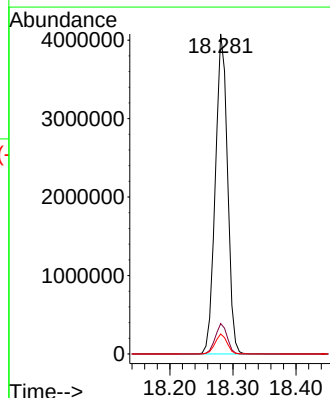
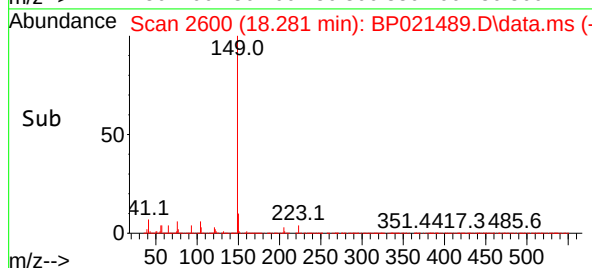
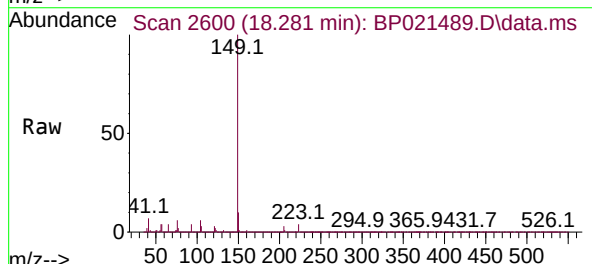
Manual Integrations  
APPROVED

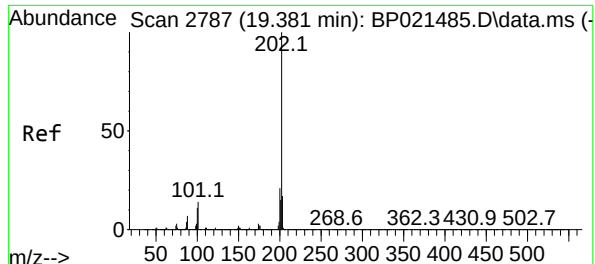
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#74  
Di-n-butylphthalate  
Concen: 38.509 ng  
RT: 18.281 min Scan# 2600  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

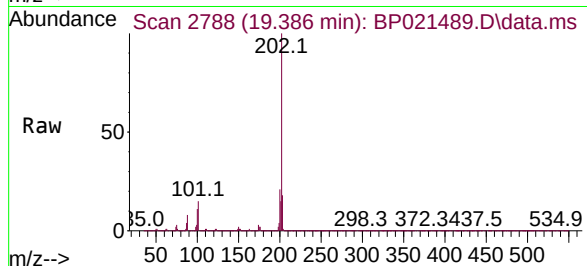
Tgt Ion:149 Resp: 5456093  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.5 11.3  
104 6.2 4.9 7.3





#75  
Fluoranthene  
Concen: 36.288 ng  
RT: 19.386 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

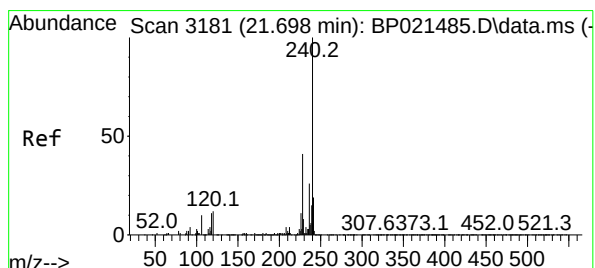
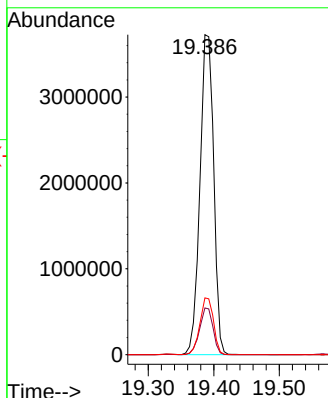
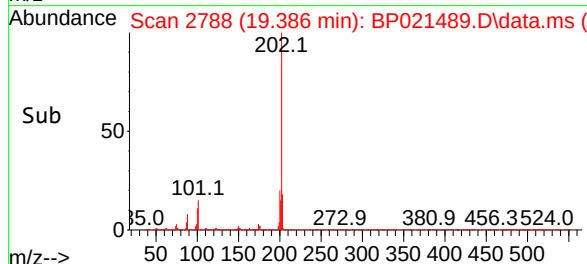
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:202 Resp: 5434874  
Ion Ratio Lower Upper  
202 100  
101 14.6 0.0 34.0  
203 17.7 0.0 37.5

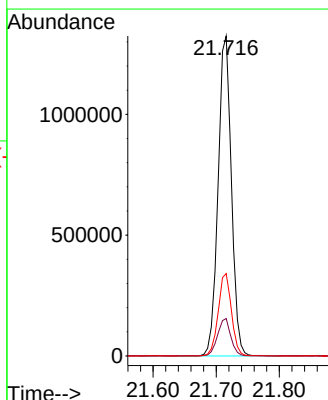
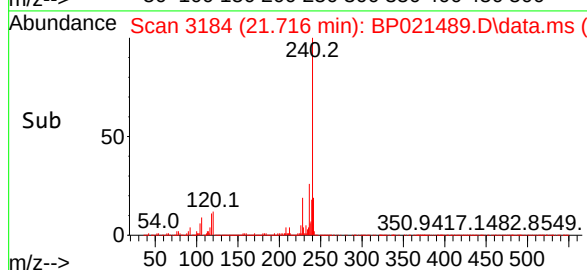
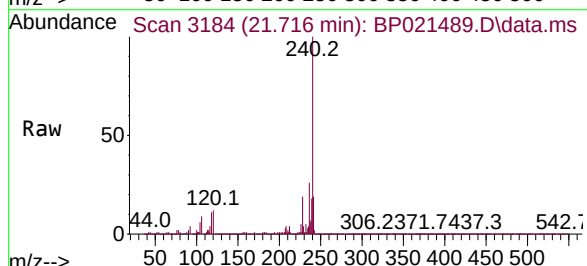
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024

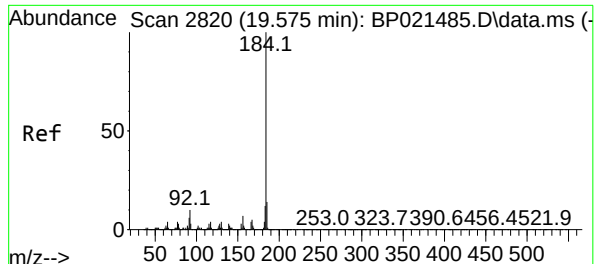


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.716 min Scan# 3184  
Delta R.T. 0.018 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:240 Resp: 1932921  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.9 14.9  
236 25.8 20.6 30.8

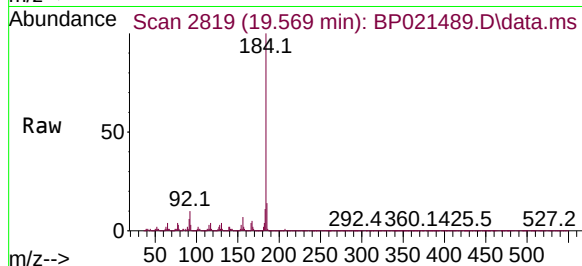






#77  
Benzidine  
Concen: 30.320 ng  
RT: 19.569 min Scan# 2819  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

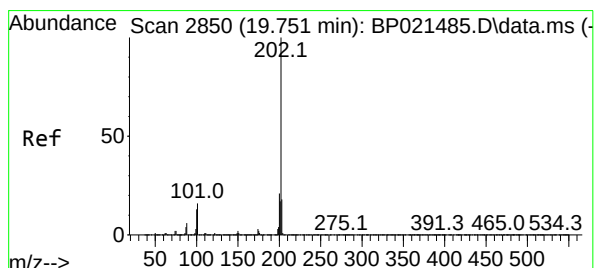
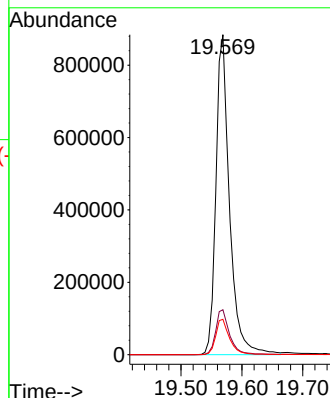
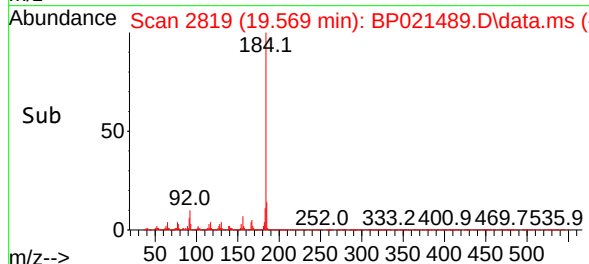
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:184 Resp: 1367550  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.4 17.0  
183 11.1 9.3 13.9

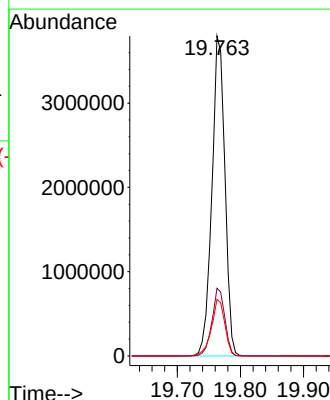
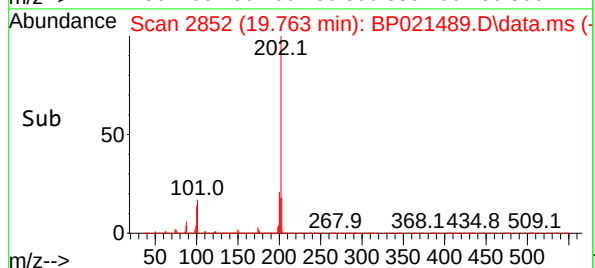
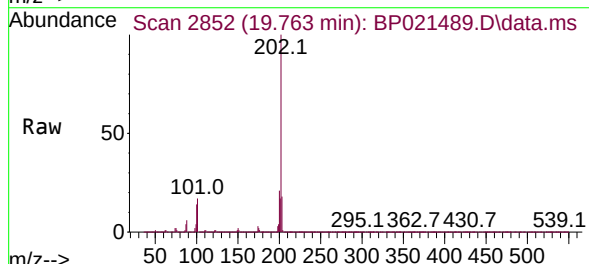
Manual Integrations  
APPROVED

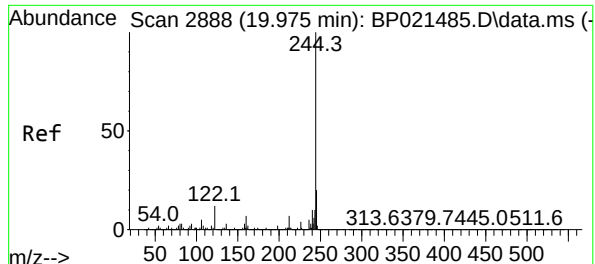
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#78  
Pyrene  
Concen: 43.044 ng  
RT: 19.763 min Scan# 2852  
Delta R.T. 0.012 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 5438173  
Ion Ratio Lower Upper  
202 100  
200 21.2 16.7 25.1  
203 17.7 14.1 21.1





#79  
Terphenyl-d14  
Concen: 86.216 ng  
RT: 19.986 min Scan# 2888  
Delta R.T. 0.011 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

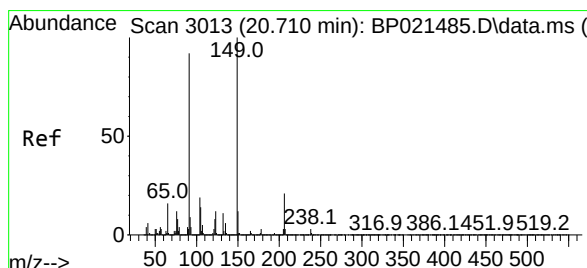
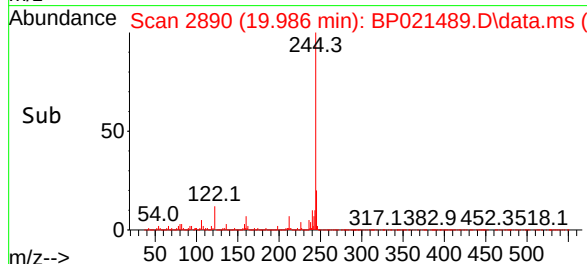
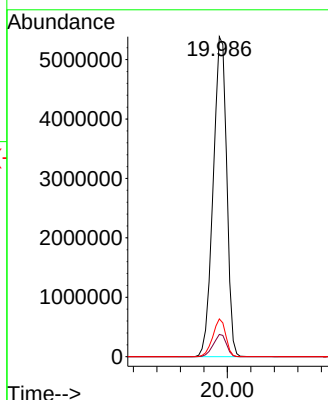
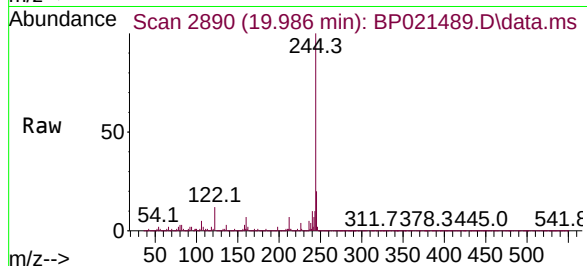
ClientSampleId :

ICVBP081324

Tgt Ion:244 Resp: 857810  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 11.8 9.4 14.2

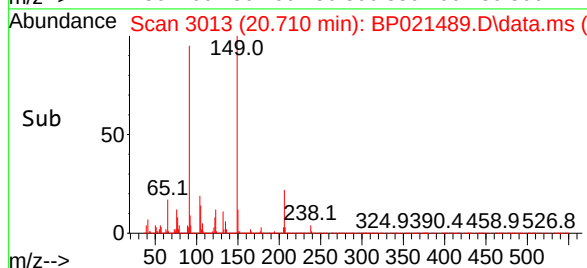
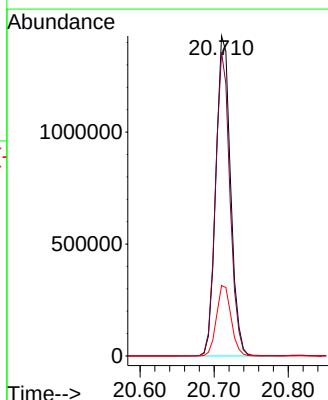
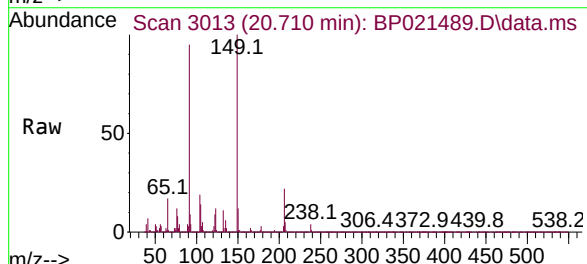
Manual Integrations  
APPROVED

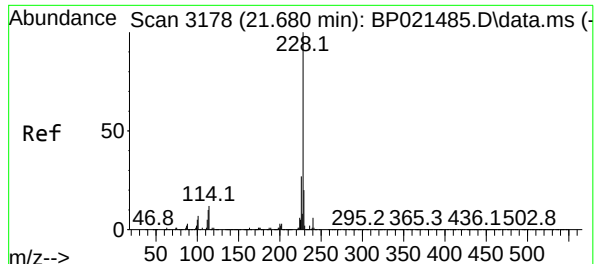
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#80  
Butylbenzylphthalate  
Concen: 41.647 ng  
RT: 20.710 min Scan# 3013  
Delta R.T. -0.000 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

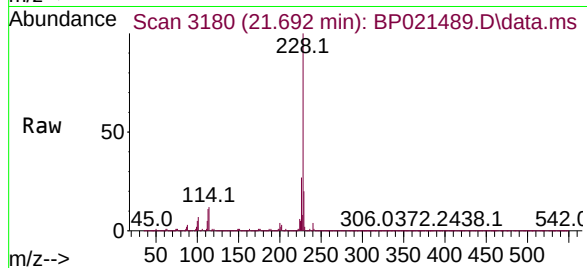
Tgt Ion:149 Resp: 1972270  
Ion Ratio Lower Upper  
149 100  
91 94.9 73.3 109.9  
206 22.0 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 40.172 ng  
RT: 21.692 min Scan# 3180  
Delta R.T. 0.012 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

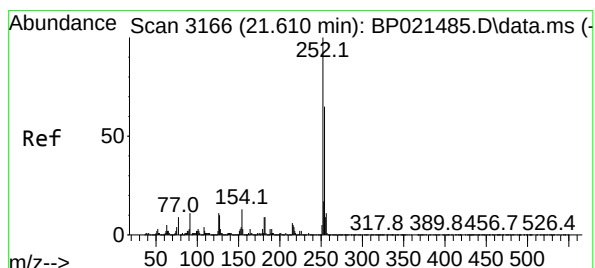
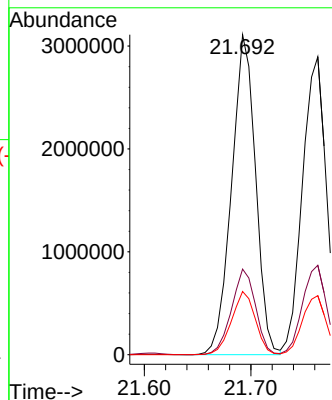
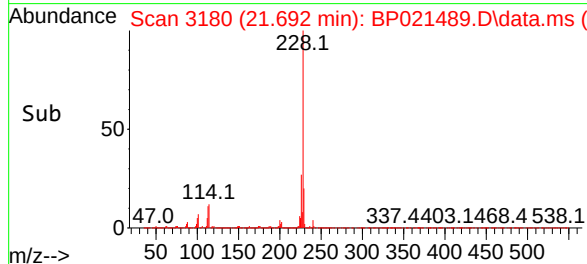
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:228 Resp: 487449  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.4 32.2  
229 19.8 15.8 23.6

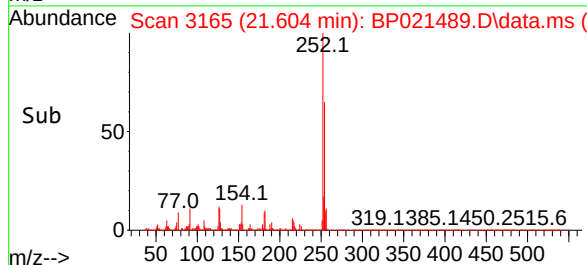
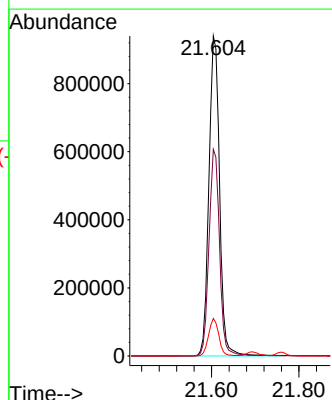
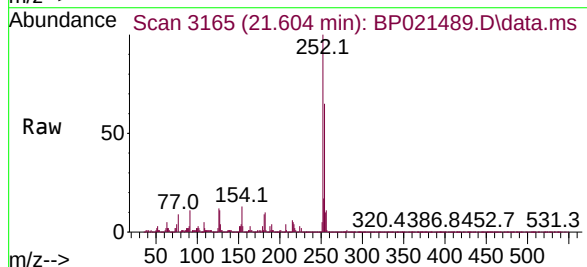
Manual Integrations  
APPROVED

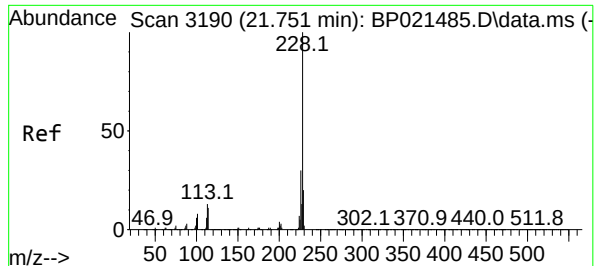
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 40.936 ng  
RT: 21.604 min Scan# 3165  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

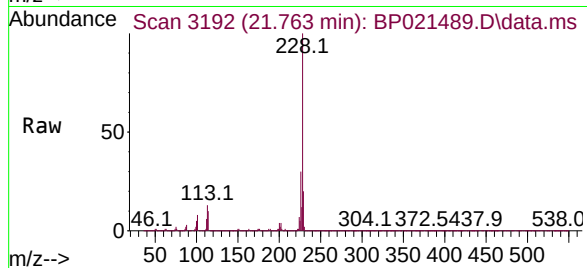
Tgt Ion:252 Resp: 1592617  
Ion Ratio Lower Upper  
252 100  
254 64.6 51.7 77.5  
126 11.7 8.7 13.1





#83  
Chrysene  
Concen: 39.759 ng  
RT: 21.763 min Scan# 3190  
Delta R.T. 0.012 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

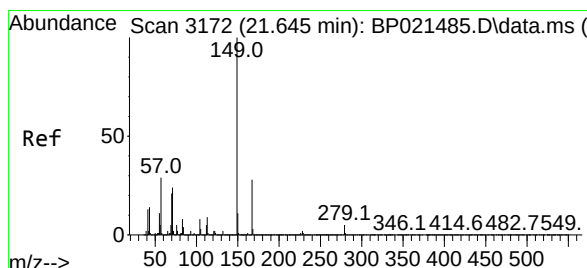
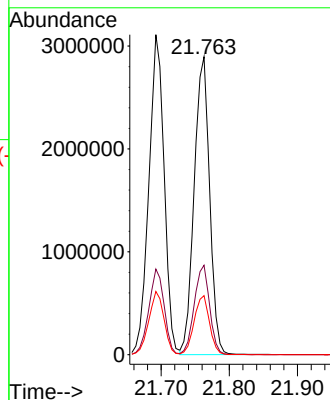
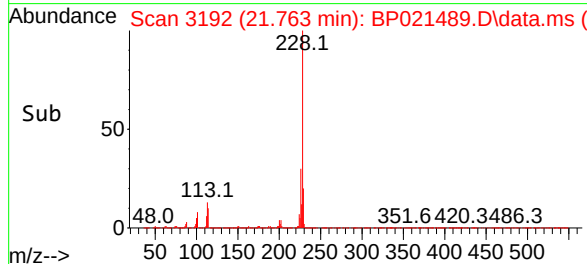
Instrument :  
BNA\_P  
Client Sample Id :  
ICVBP081324



Tgt Ion: 228 Resp: 455488  
Ion Ratio Lower Upper  
228 100  
226 30.0 23.9 35.9  
229 19.8 15.8 23.6

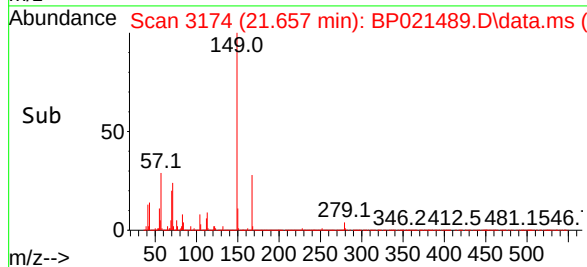
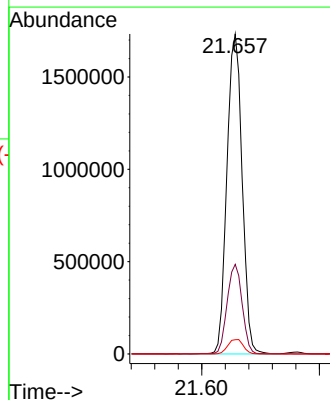
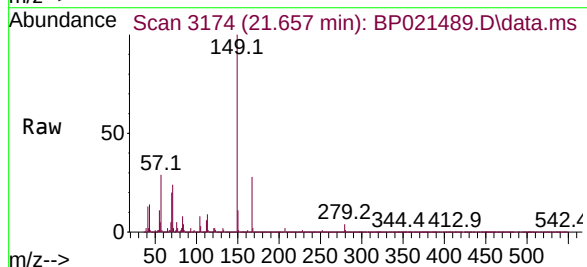
Manual Integrations  
APPROVED

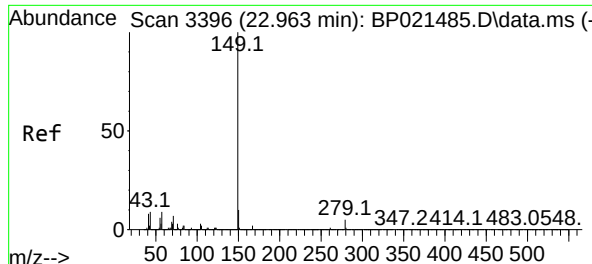
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.381 ng  
RT: 21.657 min Scan# 3174  
Delta R.T. 0.012 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

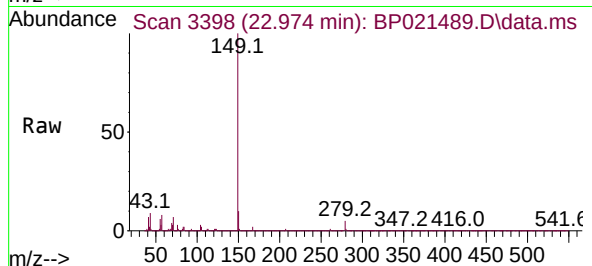
Tgt Ion: 149 Resp: 3111178  
Ion Ratio Lower Upper  
149 100  
167 28.0 22.3 33.5  
279 4.5 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 39.871 ng  
RT: 22.974 min Scan# 31  
Delta R.T. 0.011 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

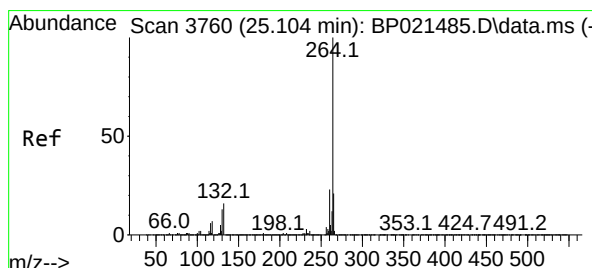
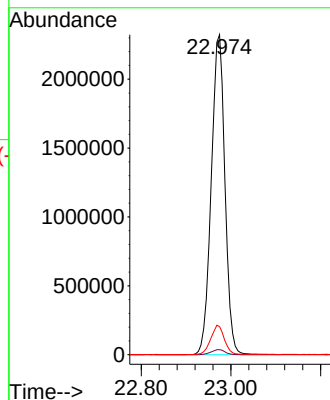
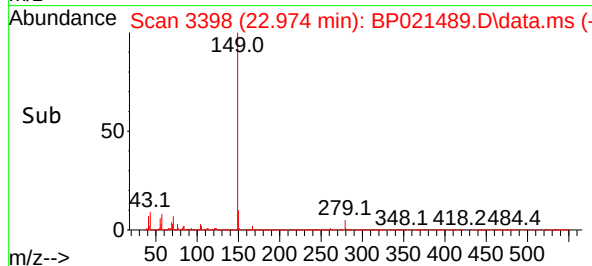
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion:149 Resp: 490825  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.1 7.3 10.9

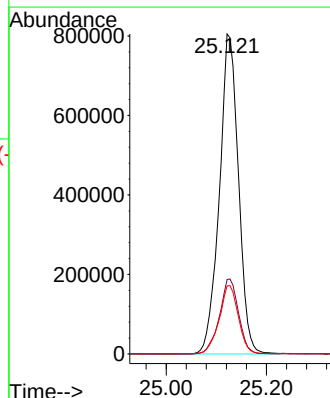
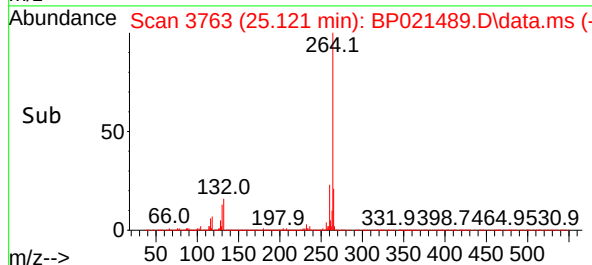
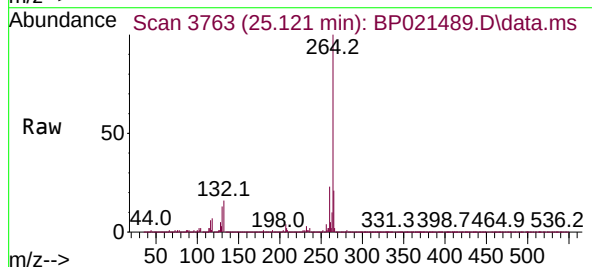
Manual Integrations  
APPROVED

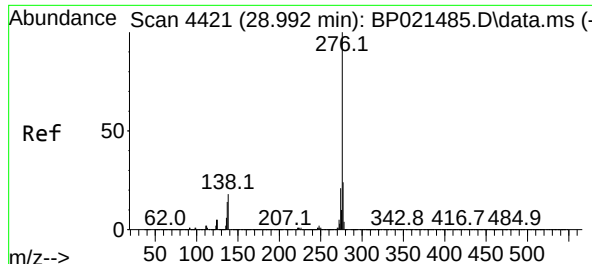
Reviewed By :Yogesh Patel 08/14/2024  
Supervised By :mohammad ahmed 08/14/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.121 min Scan# 3763  
Delta R.T. 0.018 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

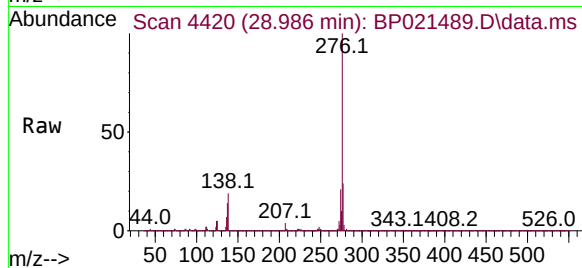
Tgt Ion:264 Resp: 2127555  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 28.0  
265 21.3 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 41.105 ng m  
RT: 28.986 min Scan# 4421  
Delta R.T. -0.006 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

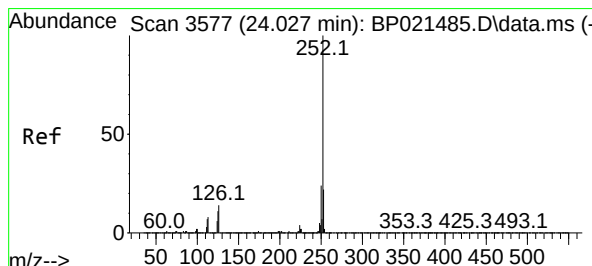
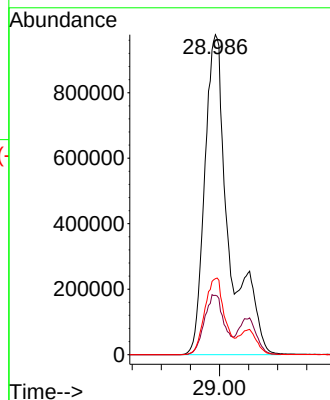
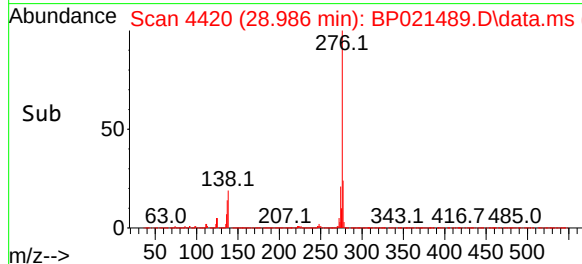
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion: 276 Resp: 566884  
Ion Ratio Lower Upper  
276 100  
138 15.6 12.8 19.2  
277 19.5 16.5 24.7

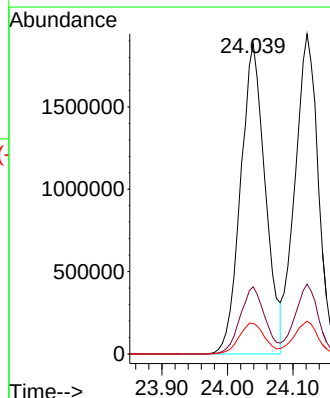
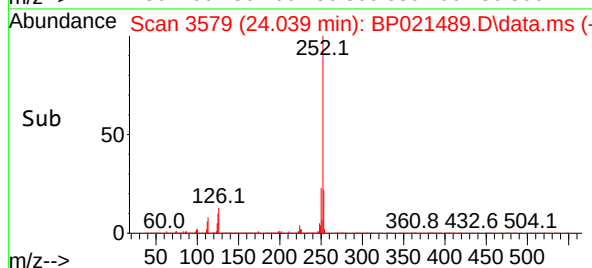
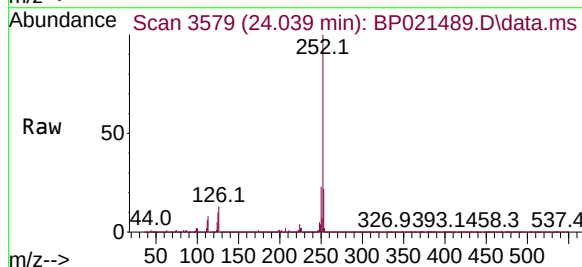
Manual Integrations  
APPROVED

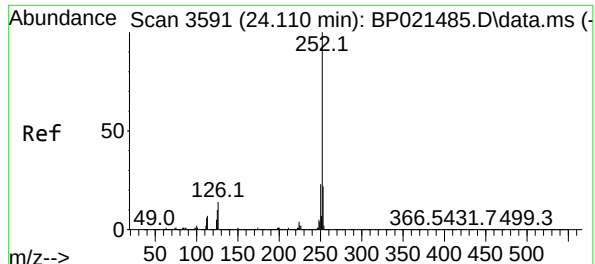
Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#88  
Benzo(b)fluoranthene  
Concen: 40.381 ng  
RT: 24.039 min Scan# 3579  
Delta R.T. 0.012 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion: 252 Resp: 4934155  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.6 26.4  
125 9.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 39.984 ng

RT: 24.121 min Scan# 3593

Delta R.T. 0.012 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA\_P

ClientSampleId :

ICVBP081324

Tgt Ion:252 Resp: 476594

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

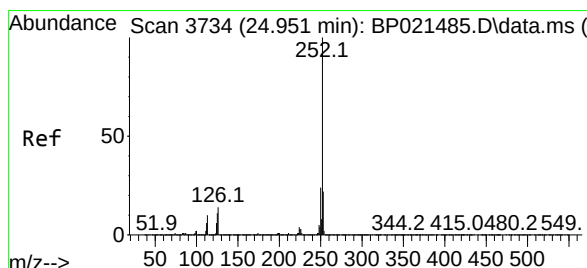
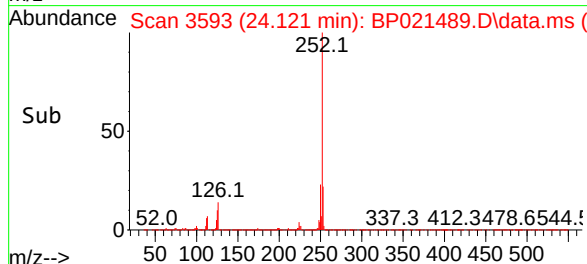
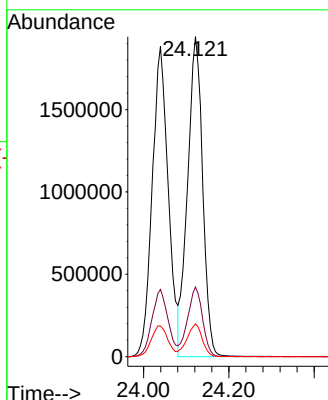
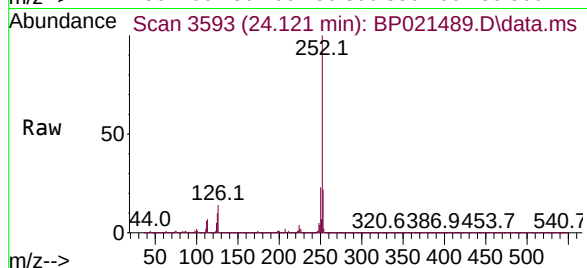
125 10.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#90

Benzo(a)pyrene

Concen: 40.657 ng

RT: 24.968 min Scan# 3737

Delta R.T. 0.018 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

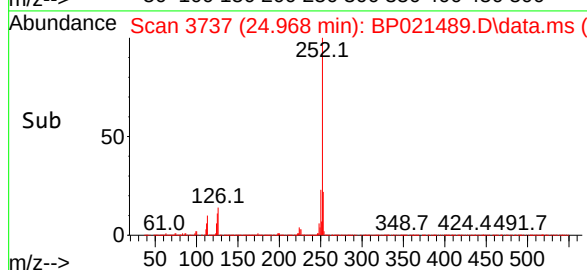
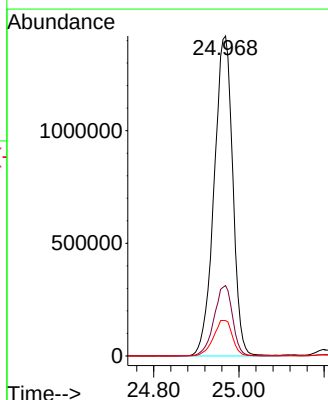
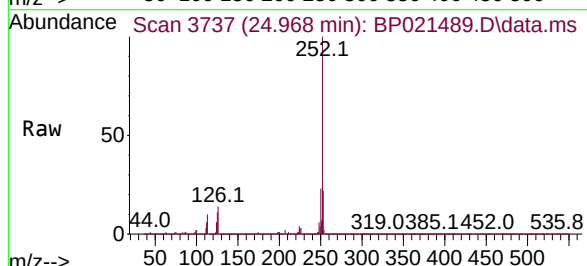
Tgt Ion:252 Resp: 4311183

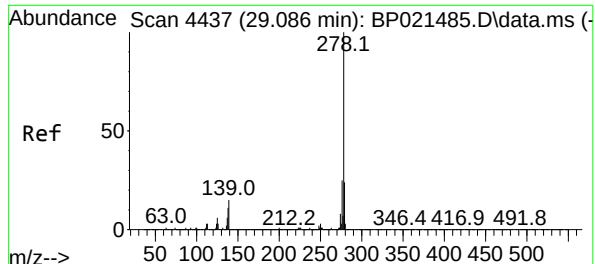
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

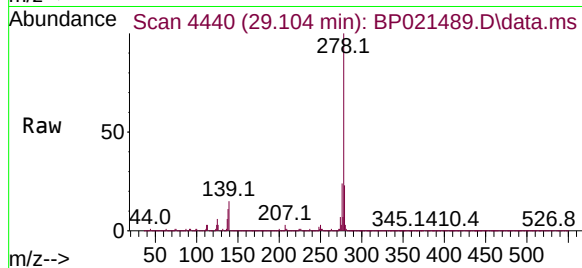
125 11.1 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 41.172 ng  
RT: 29.104 min Scan# 4437  
Delta R.T. 0.018 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

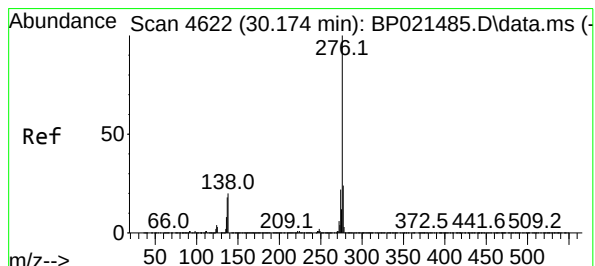
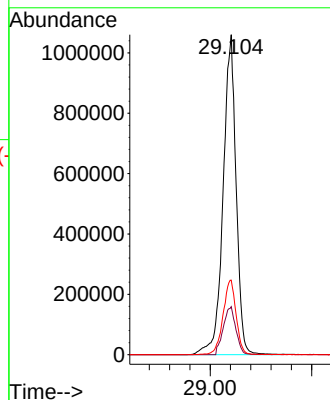
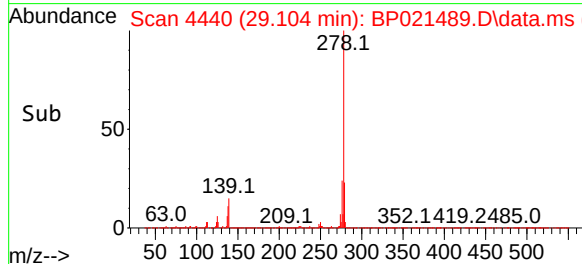
Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324



Tgt Ion: 278 Resp: 471781  
Ion Ratio Lower Upper  
278 100  
139 15.0 12.2 18.4  
279 23.3 19.1 28.7

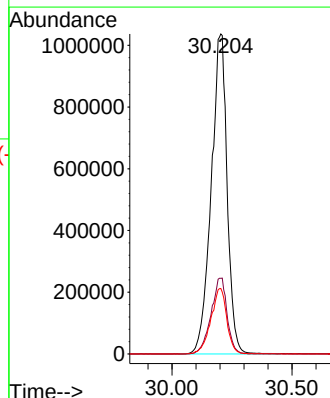
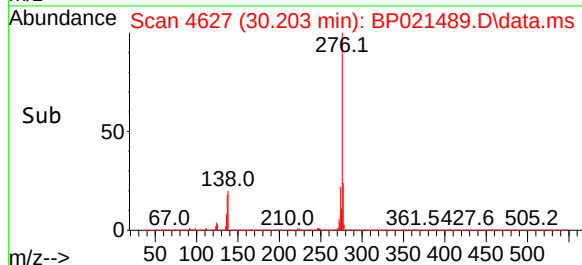
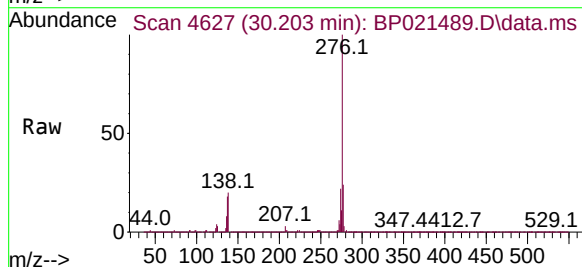
Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 08/14/2024  
Supervised By : mohammad ahmed 08/14/2024



#92  
Benzo(g,h,i)perylene  
Concen: 41.532 ng  
RT: 30.203 min Scan# 4627  
Delta R.T. 0.029 min  
Lab File: BP021489.D  
Acq: 13 Aug 2024 19:03

Tgt Ion: 276 Resp: 4769954  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.0 28.6  
138 20.4 16.0 24.0





Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Quant Time: Aug 14 00:10:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 132   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.639 | 0.606 | 5.2    | 125   | 0.00     |
| 3    | Pyridine                    | 1.783 | 1.803 | -1.1   | 133   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 0.536 | 0.539 | -0.6   | 134   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.347 | 1.361 | -1.0   | 134   | 0.00     |
| 6    | Aniline                     | 1.964 | 2.043 | -4.0   | 137   | 0.00     |
| 7 S  | Phenol-d6                   | 1.965 | 2.109 | -7.3   | 141   | 0.00     |
| 8    | 2-Chlorophenol              | 1.245 | 1.316 | -5.7   | 140   | 0.00     |
| 9    | Benzaldehyde                | 1.258 | 1.272 | -1.1   | 141   | 0.00     |
| 10 C | Phenol                      | 2.035 | 2.167 | -6.5   | 140   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.722 | 1.788 | -3.8   | 139   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.479 | 1.466 | 0.9    | 134   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.493 | 1.477 | 1.1    | 133   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.434 | 0.3    | 135   | 0.00     |
| 15   | Benzyl Alcohol              | 1.410 | 1.567 | -11.1  | 147   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.585 | 1.660 | -4.7   | 142   | 0.00     |
| 17   | 2-Methylphenol              | 1.286 | 1.405 | -9.3   | 144   | 0.00     |
| 18   | Hexachloroethane            | 0.599 | 0.610 | -1.8   | 136   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.357 | 1.469 | -8.3   | 145   | 0.00     |
| 20   | 3+4-Methylphenols           | 1.734 | 1.945 | -12.2  | 147   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 145   | 0.00     |
| 22   | Acetophenone                | 0.614 | 0.613 | 0.2    | 145   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.387 | 0.433 | -11.9  | 153#  | 0.00     |
| 24   | Nitrobenzene                | 0.421 | 0.455 | -8.1   | 149   | 0.00     |
| 25   | Isophorone                  | 0.915 | 0.931 | -1.7   | 148   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.086 | 0.125 | -45.3# | 193#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.226 | 0.233 | -3.1   | 150   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.559 | 0.565 | -1.1   | 149   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.267 | 0.290 | -8.6   | 154#  | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.342 | 0.335 | 2.0    | 143   | 0.00     |
| 31   | Naphthalene                 | 1.045 | 1.035 | 1.0    | 144   | 0.00     |
| 32   | Benzoic acid                | 0.137 | 0.187 | -36.5# | 210#  | 0.02     |
| 33   | 4-Chloroaniline             | 0.392 | 0.399 | -1.8   | 146   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.211 | 1.9    | 142   | 0.00     |
| 35   | Caprolactam                 | 0.111 | 0.116 | -4.5   | 148   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.370 | 0.398 | -7.6   | 151#  | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.713 | 0.720 | -1.0   | 148   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.703 | 0.706 | -0.4   | 147   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 150   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.590 | -0.7   | 149   | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 0.186 | 0.201 | -8.1   | 157#  | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.223 | 0.232 | -4.0   | 147   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.326 | 0.360 | -10.4  | 158#  | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.362 | 0.401 | -10.8  | 157#  | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.310 | 1.288 | 1.7    | 146   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.415 | 1.399 | 1.1    | 147   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.102 | 1.093 | 0.8    | 147   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Quant Time: Aug 14 00:10:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|----------------------------|-------|-------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 0.256 | 0.328 | -28.1# | 172#  | 0.00     |
| 49   | Acenaphthylene             | 1.619 | 1.600 | 1.2    | 146   | 0.01     |
| 50   | Dimethylphthalate          | 1.339 | 1.310 | 2.2    | 145   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.232 | 0.276 | -19.0  | 162#  | 0.00     |
| 52 C | Acenaphthene               | 1.063 | 1.046 | 1.6    | 146   | 0.00     |
| 53   | 3-Nitroaniline             | 0.228 | 0.264 | -15.8  | 156#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.069 | 0.081 | -17.4  | 184#  | 0.00     |
| 55   | Dibenzofuran               | 1.635 | 1.575 | 3.7    | 143   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.195 | 0.205 | -5.1   | 152#  | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 0.284 | 0.344 | -21.1  | 161#  | 0.00     |
| 58   | Fluorene                   | 1.343 | 1.278 | 4.8    | 141   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.307 | 0.325 | -5.9   | 148   | 0.00     |
| 60   | Diethylphthalate           | 1.374 | 1.297 | 5.6    | 139   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.694 | 0.673 | 3.0    | 145   | 0.00     |
| 62   | 4-Nitroaniline             | 0.241 | 0.257 | -6.6   | 141   | 0.00     |
| 63   | Azobenzene                 | 1.689 | 1.598 | 5.4    | 140   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0    | 133   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.054 | 0.068 | -25.9# | 172#  | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.536 | 0.564 | -5.2   | 140   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.212 | 0.224 | -5.7   | 144   | 0.00     |
| 68   | Hexachlorobenzene          | 0.250 | 0.257 | -2.8   | 136   | 0.00     |
| 69   | Atrazine                   | 0.184 | 0.179 | 2.7    | 125   | 0.00     |
| 70 C | Pentachlorophenol          | 0.137 | 0.152 | -10.9  | 148   | 0.00     |
| 71   | Phenanthrene               | 0.962 | 0.951 | 1.1    | 131   | 0.00     |
| 72   | Anthracene                 | 0.943 | 0.935 | 0.8    | 131   | 0.00     |
| 73   | Carbazole                  | 0.909 | 0.851 | 6.4    | 122   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.116 | 1.075 | 3.7    | 125   | 0.00     |
| 75 C | Fluoranthene               | 1.180 | 1.071 | 9.2    | 119   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0    | 106   | 0.02     |
| 77   | Benzidine                  | 0.420 | 0.354 | 15.7   | 79    | 0.00     |
| 78   | Pyrene                     | 1.307 | 1.407 | -7.7   | 116   | 0.01     |
| 79 S | Terphenyl-d14              | 1.029 | 1.109 | -7.8   | 117   | 0.01     |
| 80   | Butylbenzylphthalate       | 0.437 | 0.510 | -16.7  | 115   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.256 | 1.261 | -0.4   | 106   | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 0.403 | 0.412 | -2.2   | 102   | 0.00     |
| 83   | Chrysene                   | 1.185 | 1.178 | 0.6    | 105   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.742 | 0.805 | -8.5   | 109   | 0.01     |
| 85 c | Di-n-octyl phthalate       | 1.199 | 1.270 | -5.9   | 108   | 0.01     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0    | 102   | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.296 | 1.332 | -2.8   | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.149 | 1.160 | -1.0   | 102   | 0.01     |
| 89   | Benzo(k)fluoranthene       | 1.121 | 1.120 | 0.1    | 100   | 0.01     |
| 90 C | Benzo(a)pyrene             | 0.997 | 1.013 | -1.6   | 102   | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 1.077 | 1.109 | -3.0   | 103   | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 1.080 | 1.121 | -3.8   | 104   | 0.03     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Quant Time: Aug 14 00:10:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Quant Time: Aug 14 00:10:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|--------|--------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0   | 132   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 37.948 | 5.1   | 125   | 0.00     |
| 3    | Pyridine                    | 40.000 | 40.445 | -1.1  | 133   | 0.00     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 40.233 | -0.6  | 134   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.810 | -1.0  | 134   | 0.00     |
| 6    | Aniline                     | 40.000 | 41.596 | -4.0  | 137   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 85.856 | -7.3  | 141   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.300 | -5.7  | 140   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 40.434 | -1.1  | 141   | 0.00     |
| 10 C | Phenol                      | 40.000 | 42.607 | -6.5  | 140   | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 41.543 | -3.9  | 139   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.674 | 0.8   | 134   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.564 | 1.1   | 133   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 39.873 | 0.3   | 135   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 44.472 | -11.2 | 147   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.875 | -4.7  | 142   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 43.687 | -9.2  | 144   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.755 | -1.9  | 136   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 43.304 | -8.3  | 145   | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 44.850 | -12.1 | 147   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0   | 145   | 0.00     |
| 22   | Acetophenone                | 40.000 | 39.936 | 0.2   | 145   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 89.361 | -11.7 | 153   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 43.244 | -8.1  | 149   | 0.00     |
| 25   | Isophorone                  | 40.000 | 40.700 | -1.8  | 148   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 47.780 | -19.5 | 193   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 41.179 | -2.9  | 150   | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 40.438 | -1.1  | 149   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 43.442 | -8.6  | 154   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 39.146 | 2.1   | 143   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.629 | 0.9   | 144   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 49.839 | -24.6 | 210   | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 40.617 | -1.5  | 146   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 39.102 | 2.2   | 142   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 41.786 | -4.5  | 148   | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 42.987 | -7.5  | 151   | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 40.412 | -1.0  | 148   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 40.173 | -0.4  | 147   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0   | 150   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 40.261 | -0.7  | 149   | 0.01     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 43.183 | -8.0  | 157   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 83.477 | -4.3  | 147   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 44.249 | -10.6 | 158   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 44.396 | -11.0 | 157   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 78.649 | 1.7   | 146   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 39.542 | 1.1   | 147   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 39.695 | 0.8   | 147   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Quant Time: Aug 14 00:10:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|----------------------------|--------|--------|-------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 43.044 | -7.6  | 172   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.531 | 1.2   | 146   | 0.01     |
| 50   | Dimethylphthalate          | 40.000 | 39.127 | 2.2   | 145   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 41.424 | -3.6  | 162   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 39.366 | 1.6   | 146   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 40.483 | -1.2  | 156   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 45.065 | -12.7 | 184   | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 38.543 | 3.6   | 143   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 39.582 | 1.0   | 152   | -0.01    |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 40.864 | -2.2  | 161   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.055 | 4.9   | 141   | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 42.310 | -5.8  | 148   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 37.752 | 5.6   | 139   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.777 | 3.1   | 145   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.254 | 4.4   | 141   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.833 | 5.4   | 140   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 133   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 46.281 | -15.7 | 172   | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 42.093 | -5.2  | 140   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 42.289 | -5.7  | 144   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 41.161 | -2.9  | 136   | 0.00     |
| 69   | Atrazine                   | 40.000 | 38.851 | 2.9   | 125   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 44.446 | -11.1 | 148   | 0.00     |
| 71   | Phenanthrene               | 40.000 | 39.541 | 1.1   | 131   | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.639 | 0.9   | 131   | 0.00     |
| 73   | Carbazole                  | 40.000 | 37.457 | 6.4   | 122   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 38.509 | 3.7   | 125   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 36.288 | 9.3   | 119   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 106   | 0.02     |
| 77   | Benzydine                  | 40.000 | 30.320 | 24.2  | 79    | 0.00     |
| 78   | Pyrene                     | 40.000 | 43.044 | -7.6  | 116   | 0.01     |
| 79 S | Terphenyl-d14              | 80.000 | 86.216 | -7.8  | 117   | 0.01     |
| 80   | Butylbenzylphthalate       | 40.000 | 41.647 | -4.1  | 115   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.172 | -0.4  | 106   | 0.01     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 40.936 | -2.3  | 102   | 0.00     |
| 83   | Chrysene                   | 40.000 | 39.759 | 0.6   | 105   | 0.01     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 43.381 | -8.5  | 109   | 0.01     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 39.871 | 0.3   | 108   | 0.01     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 102   | 0.02     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 41.105 | -2.8  | 102   | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 40.381 | -1.0  | 102   | 0.01     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 39.984 | 0.0   | 100   | 0.01     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.657 | -1.6  | 102   | 0.02     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 41.172 | -2.9  | 103   | 0.02     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.532 | -3.8  | 104   | 0.03     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021489.D  
Acq On : 13 Aug 2024 19:03  
Operator : RC/JU  
Sample : SSTDICV040  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
ICVBP081324

Quant Time: Aug 14 00:10:09 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range                      SPCC's out = 0    CCC's out = 0



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA\_P Calibration Date/Time: 08/20/2024 10:07

Lab File ID: BP021566.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

| COMPOUND                     | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| Pyridine                     | 1.783 | 1.602  |            | -10.2 |       |
| 2-Fluorophenol               | 1.347 | 1.353  |            | 0.4   |       |
| Benzaldehyde                 | 1.258 | 1.358  |            | 7.9   |       |
| Phenol-d6                    | 1.965 | 1.932  |            | -1.7  |       |
| 2-Methylphenol               | 1.286 | 1.272  |            | -1.1  |       |
| Acetophenone                 | 0.614 | 0.584  |            | -4.9  |       |
| 3+4-Methylphenols            | 1.734 | 1.797  |            | 3.6   |       |
| Nitrobenzene-d5              | 0.387 | 0.426  |            | 10.1  |       |
| Nitrobenzene                 | 0.421 | 0.432  |            | 2.6   |       |
| 2,4-Dichlorophenol           | 0.267 | 0.300  |            | 12.4  | 20.0  |
| Naphthalene                  | 1.045 | 1.030  |            | -1.4  |       |
| Hexachlorobutadiene          | 0.215 | 0.208  |            | -3.3  | 20.0  |
| 2-Methylnaphthalene          | 0.713 | 0.693  |            | -2.8  |       |
| 2,4,6-Trichlorophenol        | 0.326 | 0.378  |            | 16.0  | 20.0  |
| 2-Fluorobiphenyl             | 1.310 | 1.241  |            | -5.3  |       |
| 2,4,5-Trichlorophenol        | 0.362 | 0.427  |            | 18.0  |       |
| Acenaphthylene               | 1.619 | 1.589  |            | -1.9  |       |
| Acenaphthene                 | 1.063 | 1.082  |            | 1.8   | 20.0  |
| Dibenzofuran                 | 1.635 | 1.602  |            | -2.0  |       |
| Fluorene                     | 1.343 | 1.294  |            | -3.6  |       |
| 2,4,6-Tribromophenol         | 0.223 | 0.267  |            | 19.7  |       |
| Hexachlorobenzene            | 0.250 | 0.242  |            | -3.2  |       |
| Pentachlorophenol            | 0.137 | 0.170  |            | 24.1  | 20.0  |
| Phenanthrene                 | 0.962 | 0.951  |            | -1.1  |       |
| Carbazole                    | 0.909 | 0.938  |            | 3.2   |       |
| Di-n-butylphthalate          | 1.116 | 1.121  |            | 0.4   |       |
| Fluoranthene                 | 1.180 | 1.227  |            | 4.0   | 20.0  |
| Pyrene                       | 1.307 | 1.288  |            | -1.5  |       |
| Terphenyl-d14                | 1.029 | 0.954  |            | -7.3  |       |
| Benzo (a) anthracene         | 1.256 | 1.256  |            | 0.0   |       |
| Chrysene                     | 1.185 | 1.188  |            | 0.3   |       |
| Bis (2-ethylhexyl) phthalate | 0.742 | 0.771  |            | 3.9   |       |
| Benzo (b) fluoranthene       | 1.149 | 1.120  |            | -2.5  |       |
| Benzo (k) fluoranthene       | 1.121 | 1.084  |            | -3.3  |       |
| Benzo (a) pyrene             | 0.997 | 1.000  |            | 0.3   | 20.0  |
| Indeno (1,2,3-cd) pyrene     | 1.296 | 1.324  |            | 2.2   |       |
| Dibenzo (a,h) anthracene     | 1.077 | 1.092  |            | 1.4   |       |
| Benzo (g,h,i) perylene       | 1.080 | 1.120  |            | 3.7   |       |
| 1,4-Dioxane                  | 0.639 | 0.561  |            | -12.2 | 20.0  |



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657  
Instrument ID: BNA\_P Calibration Date/Time: 08/20/2024 10:07  
Lab File ID: BP021566.D Init. Calib. Date(s): 08/13/2024 08/13/2024  
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND            | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|---------------------|-------|--------|------------|------|-------|
| 1-Methylnaphthalene | 0.703 | 0.682  |            | -3.0 |       |

All other compounds must meet a minimum RRF of 0.010.



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 357434   | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1454006  | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 971251   | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.263 | 188  | 2102943  | 20.000 | ng     | 0.01     |
| 76) Chrysene-d12              | 21.727 | 240  | 2067038  | 20.000 | ng     | 0.03     |
| 86) Perylene-d12              | 25.174 | 264  | 2510089  | 20.000 | ng     | 0.07     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.405  | 112  | 1934361  | 80.358 | ng     | 0.01     |
| 7) Phenol-d6                  | 6.975  | 99   | 2762029  | 78.656 | ng     | 0.01     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2476910  | 87.927 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 1037187  | 95.950 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 4820142  | 75.740 | ng     | 0.00     |
| 79) Terphenyl-d14             | 19.992 | 244  | 7890058  | 74.156 | ng     | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.322  | 88   | 401142   | 35.145 | ng     | 99       |
| 3) Pyridine                   | 3.717  | 79   | 1144919  | 35.932 | ng     | 96       |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 351901   | 36.744 | ng     | 93       |
| 6) Aniline                    | 7.134  | 93   | 1285899  | 36.630 | ng     | 97       |
| 8) 2-Chlorophenol             | 7.375  | 128  | 925647   | 41.611 | ng     | 95       |
| 9) Benzaldehyde               | 6.946  | 77   | 970805m  | 43.178 | ng     |          |
| 10) Phenol                    | 6.999  | 94   | 1391597  | 38.270 | ng     | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1102315  | 35.826 | ng     | 97       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 1028196  | 38.912 | ng     | 96       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 1041774  | 39.044 | ng     | 98       |
| 14) 1,2-Dichlorobenzene       | 8.157  | 146  | 989860   | 38.497 | ng     | 99       |
| 15) Benzyl Alcohol            | 8.040  | 79   | 963573   | 38.244 | ng     | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 988701   | 34.893 | ng     | 98       |
| 17) 2-Methylphenol            | 8.246  | 107  | 909170   | 39.549 | ng     | 97       |
| 18) Hexachloroethane          | 8.887  | 117  | 426491   | 39.861 | ng     | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 792638   | 32.677 | ng     | 96       |
| 20) 3+4-Methylphenols         | 8.569  | 107  | 1284831  | 41.450 | ng     | 98       |
| 22) Acetophenone              | 8.622  | 105  | 1697255  | 37.996 | ng     | # 96     |
| 24) Nitrobenzene              | 8.993  | 77   | 1256678  | 41.074 | ng     | 93       |
| 25) Isophorone                | 9.522  | 82   | 2333788  | 35.068 | ng     | 98       |
| 26) 2-Nitrophenol             | 9.704  | 139  | 480680   | 56.961 | ng     | 95       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 666408   | 40.576 | ng     | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.004 | 93   | 1468190  | 36.141 | ng     | 100      |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 872962   | 44.986 | ng     | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 966653   | 38.855 | ng     | 97       |
| 31) Naphthalene               | 10.646 | 128  | 2995089  | 39.431 | ng     | 100      |
| 32) Benzoic acid              | 9.899  | 122  | 796276   | 64.703 | ng     | 97       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1156545  | 40.535 | ng     | 96       |
| 34) Hexachlorobutadiene       | 10.934 | 225  | 604655   | 38.600 | ng     | 99       |
| 35) Caprolactam               | 11.522 | 113  | 378013   | 46.800 | ng     | 91       |
| 36) 4-Chloro-3-methylphenol   | 11.875 | 107  | 1181215  | 43.882 | ng     | 97       |
| 37) 2-Methylnaphthalene       | 12.263 | 142  | 2014464  | 38.859 | ng     | 99       |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 1982500  | 38.775 | ng     | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 1085575  | 38.147 | ng     | 100      |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 456339   | 50.596 | ng     | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.869 | 196  | 734554   | 46.468 | ng     | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
 Data File : BP021566.D  
 Acq On : 20 Aug 2024 10:07  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 11:20:14 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 00:00:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.940 | 196  | 829555   | 47.232 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 2616716  | 38.080 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 2065003  | 38.599 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 704708   | 47.106 | ng    | # 86     |
| 49) Acenaphthylene            | 14.169 | 152  | 3086915  | 39.251 | ng    | 99       |
| 50) Dimethylphthalate         | 13.904 | 163  | 2580187  | 39.669 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 594069   | 45.498 | ng    | 92       |
| 52) Acenaphthene              | 14.522 | 154  | 2102181  | 40.738 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.339 | 138  | 627496   | 48.589 | ng    | # 95     |
| 54) 2,4-Dinitrophenol         | 14.563 | 184  | 267685   | 65.093 | ng    | 88       |
| 55) Dibenzofuran              | 14.863 | 168  | 3112579  | 39.211 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.657 | 139  | 556879   | 53.424 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 825714   | 49.320 | ng    | 88       |
| 58) Fluorene                  | 15.528 | 166  | 2513424  | 38.542 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.087 | 232  | 716552   | 48.067 | ng    | 99       |
| 60) Diethylphthalate          | 15.292 | 149  | 2656153  | 39.800 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.522 | 204  | 1250366  | 37.093 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.534 | 138  | 654363   | 49.265 | ng    | 91       |
| 63) Azobenzene                | 15.816 | 77   | 2864106  | 34.913 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 403578   | 58.939 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.734 | 169  | 2179381  | 38.672 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.434 | 248  | 835316   | 37.531 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.557 | 284  | 1019155  | 38.748 | ng    | 99       |
| 69) Atrazine                  | 16.710 | 200  | 638902   | 33.020 | ng    | 99       |
| 70) Pentachlorophenol         | 16.910 | 266  | 714044   | 49.739 | ng    | 99       |
| 71) Phenanthrene              | 17.310 | 178  | 3999697  | 39.548 | ng    | 100      |
| 72) Anthracene                | 17.404 | 178  | 3981334  | 40.140 | ng    | 100      |
| 73) Carbazole                 | 17.675 | 167  | 3947153  | 41.294 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.280 | 149  | 4715211  | 40.166 | ng    | 100      |
| 75) Fluoranthene              | 19.386 | 202  | 5158752  | 41.572 | ng    | 99       |
| 77) Benzidine                 | 19.580 | 184  | 2092255  | 43.787 | ng    | 100      |
| 78) Pyrene                    | 19.763 | 202  | 5322876  | 39.398 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.716 | 149  | 2221372  | 43.672 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.710 | 228  | 5190787  | 40.003 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.627 | 252  | 1922208  | 46.202 | ng    | 100      |
| 83) Chrysene                  | 21.780 | 228  | 4912854  | 40.101 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.663 | 149  | 3185624  | 41.537 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.986 | 149  | 5659478  | 42.612 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.103 | 276  | 6648231m | 40.860 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.086 | 252  | 5622632  | 39.003 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.163 | 252  | 5443792  | 38.710 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.004 | 252  | 5022273  | 40.145 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.192 | 278  | 5480813  | 40.541 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.309 | 276  | 5623792  | 41.504 | ng    | 99       |

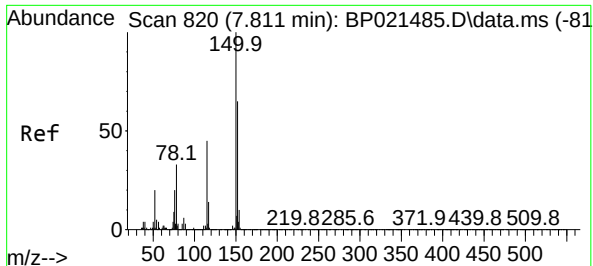
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDCCC040

## Manual Integrations APPROVED

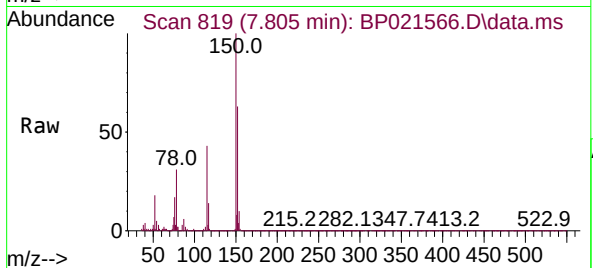
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

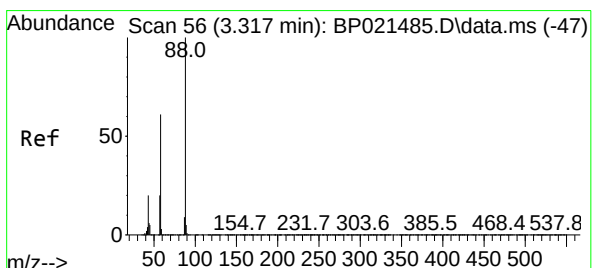
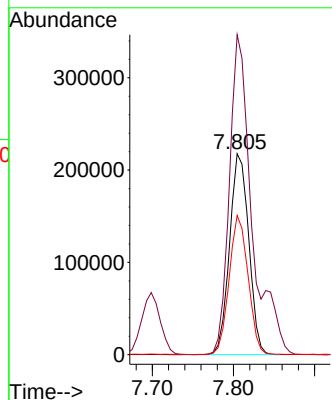
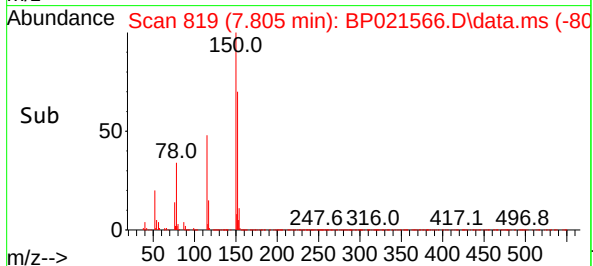
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 152 Resp: 357434  
Ion Ratio Lower Upper  
152 100  
150 159.2 122.4 183.6  
115 69.2 54.7 82.1

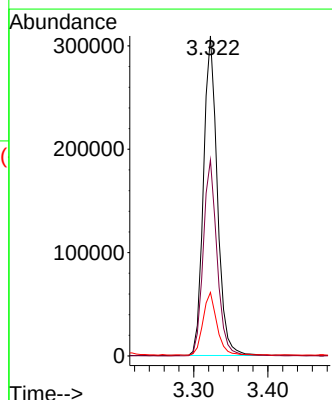
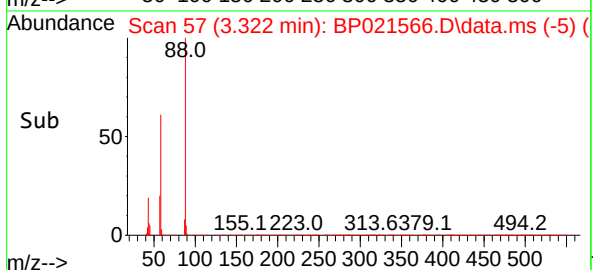
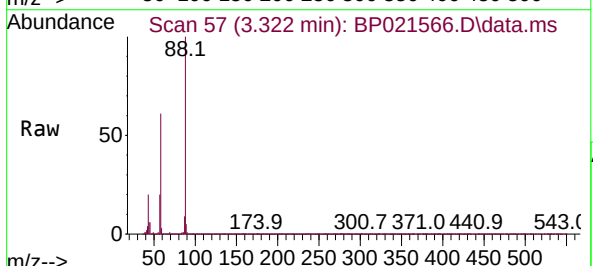
Manual Integrations  
APPROVED

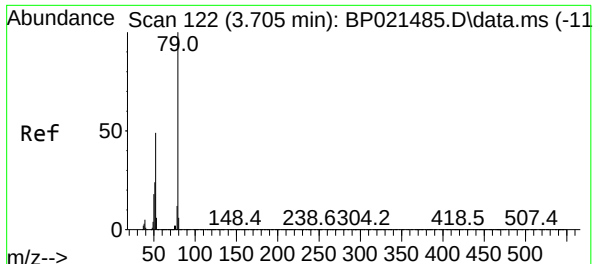
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#2  
1,4-Dioxane  
Concen: 35.145 ng  
RT: 3.322 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion: 88 Resp: 401142  
Ion Ratio Lower Upper  
88 100  
58 61.6 48.7 73.1  
43 19.8 15.4 23.2





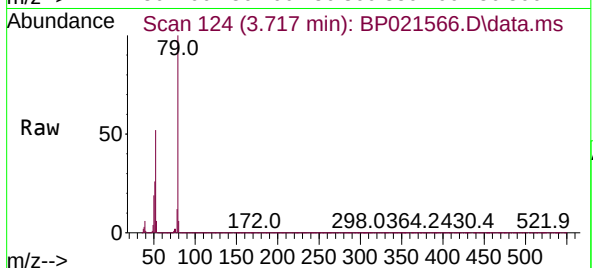
#3  
Pyridine  
Concen: 35.932 ng  
RT: 3.717 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

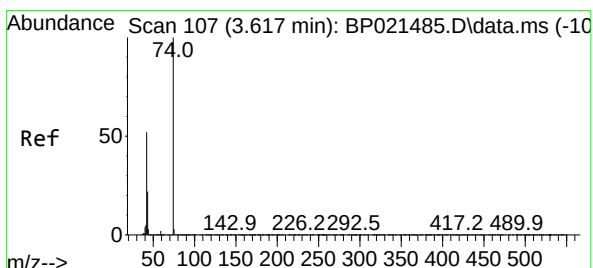
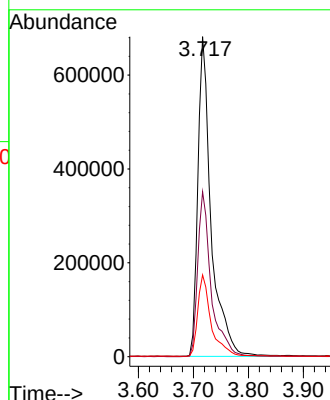
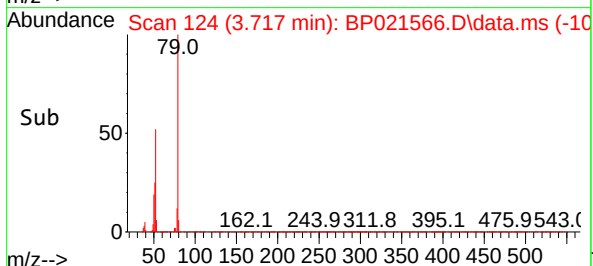


Tgt Ion: 79 Resp: 1144919  
Ion Ratio Lower Upper  
79 100  
52 51.6 39.0 58.6  
51 25.6 19.2 28.8

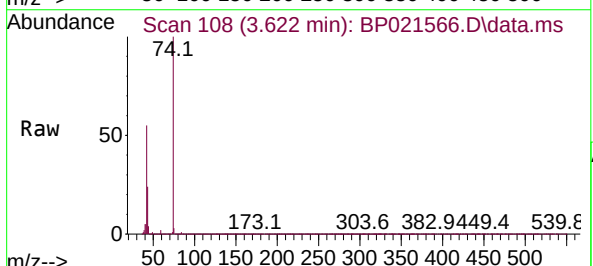
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

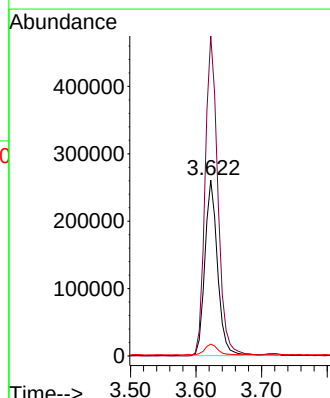
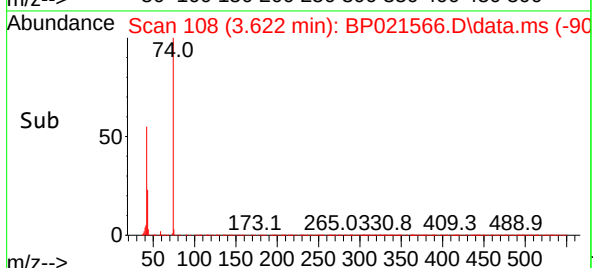
Supervised By :mohammad ahmed 08/22/2024

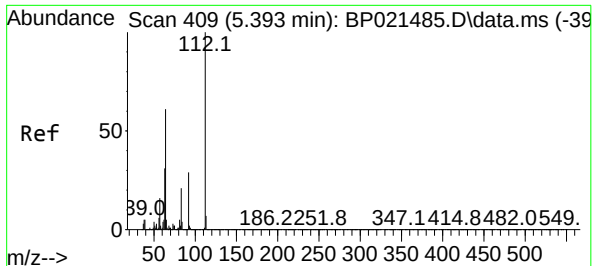


#4  
n-Nitrosodimethylamine  
Concen: 36.744 ng  
RT: 3.622 min Scan# 108  
Delta R.T. 0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07



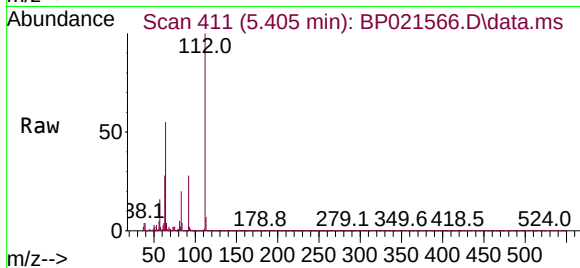
Tgt Ion: 42 Resp: 351901  
Ion Ratio Lower Upper  
42 100  
74 182.0 154.3 231.5  
44 6.8 6.2 9.4





#5  
2-Fluorophenol  
Concen: 80.358 ng  
RT: 5.405 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

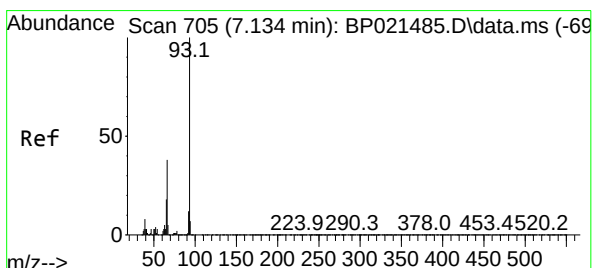
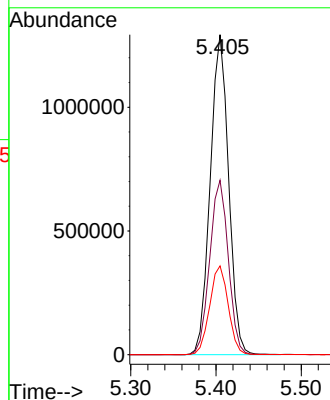
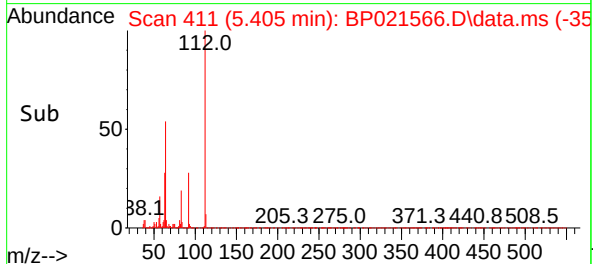
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 112 Resp: 193436  
Ion Ratio Lower Upper  
112 100  
64 54.5 49.0 73.6  
63 27.8 24.6 36.8

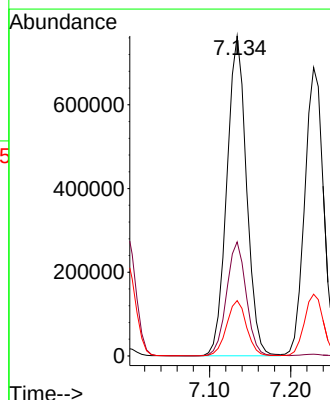
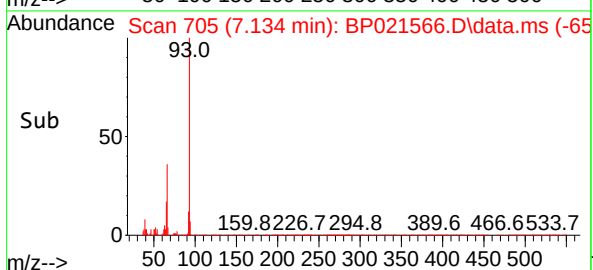
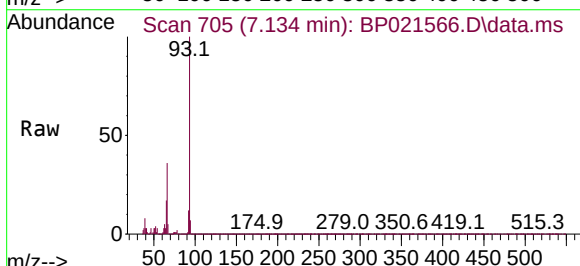
Manual Integrations  
APPROVED

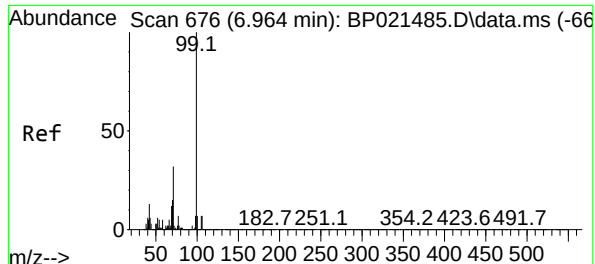
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#6  
Aniline  
Concen: 36.630 ng  
RT: 7.134 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion: 93 Resp: 1285899  
Ion Ratio Lower Upper  
93 100  
66 35.7 30.2 45.2  
65 17.3 14.7 22.1





#7

Phenol-d6

Concen: 78.656 ng

RT: 6.975 min Scan# 61

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 2762029

Ion Ratio Lower Upper

99 100

42 12.3 10.2 15.4

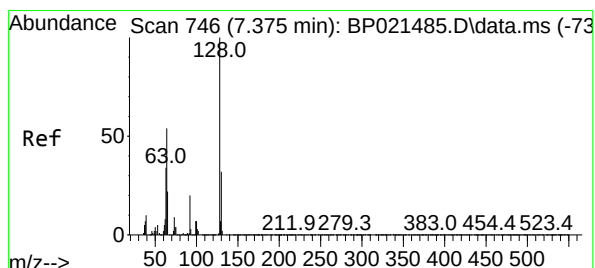
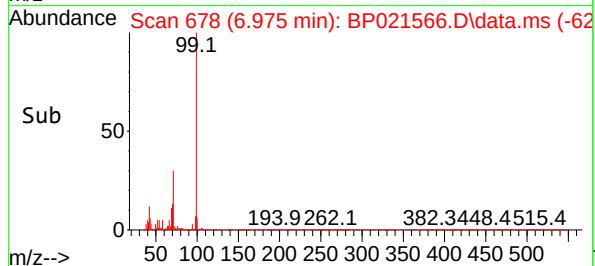
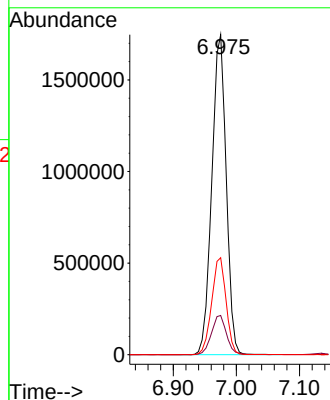
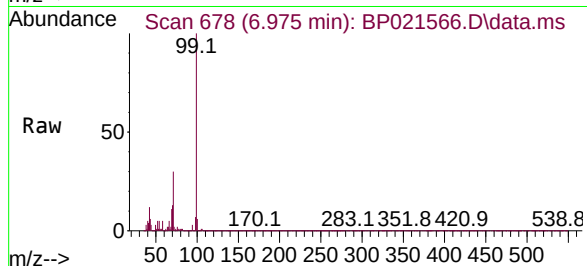
71 30.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#8

2-Chlorophenol

Concen: 41.611 ng

RT: 7.375 min Scan# 746

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

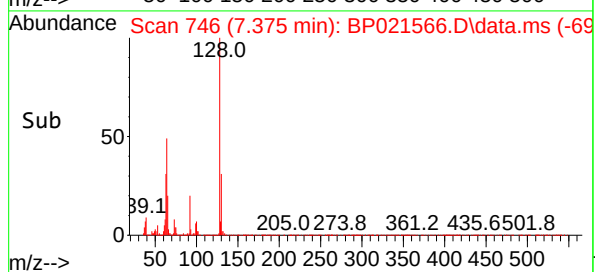
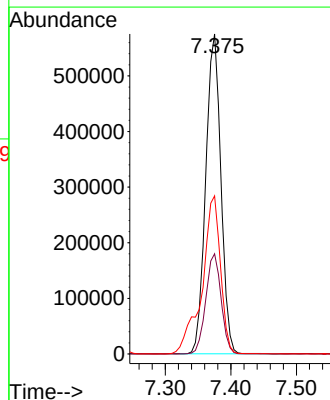
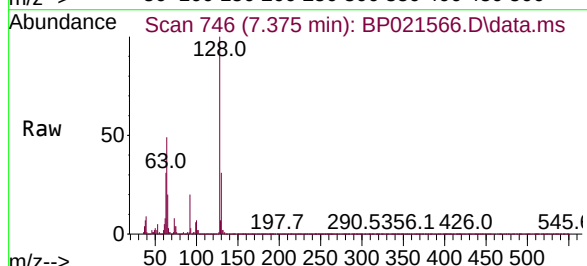
Tgt Ion:128 Resp: 925647

Ion Ratio Lower Upper

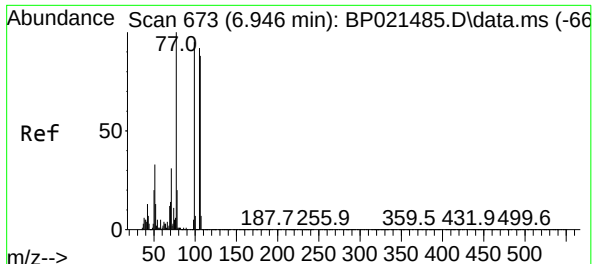
128 100

130 31.3 11.6 51.6

64 49.4 35.3 75.3







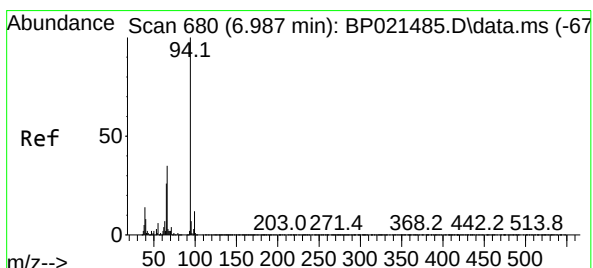
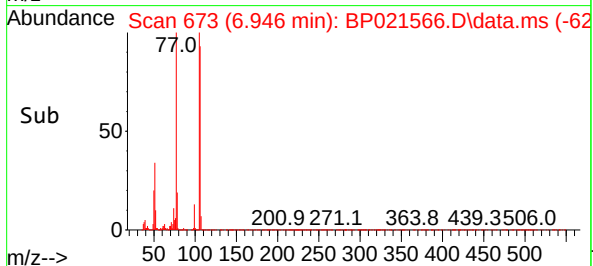
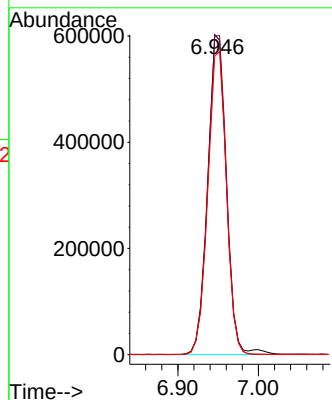
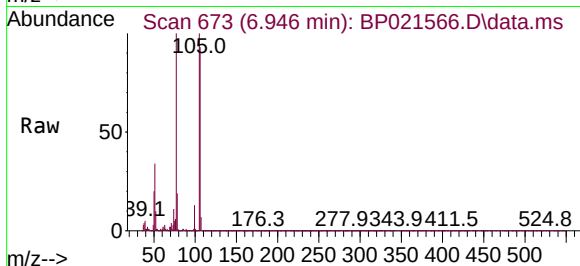
#9  
Benzaldehyde  
Concen: 43.178 ng m  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 77 Resp: 97080  
Ion Ratio Lower Upper  
77 100  
105 99.7 72.1 112.1  
106 93.3 67.9 107.9

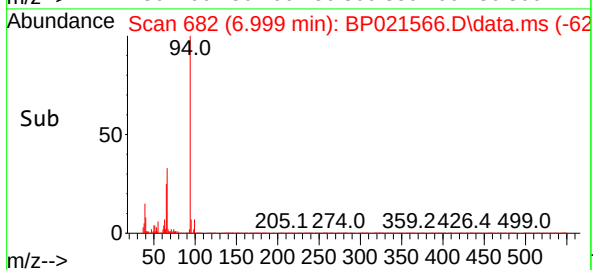
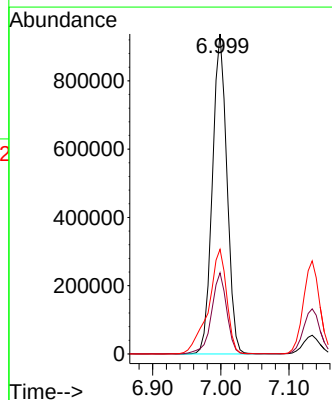
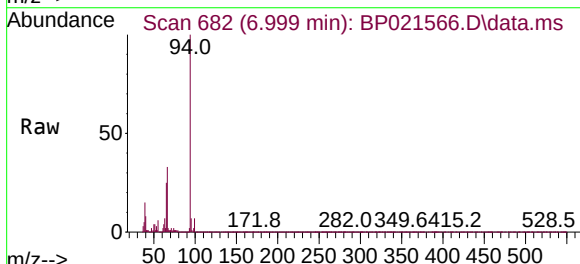
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

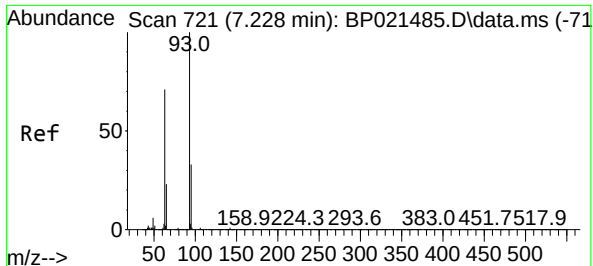


#10  
Phenol  
Concen: 38.270 ng  
RT: 6.999 min Scan# 682  
Delta R.T. 0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion: 94 Resp: 1391597  
Ion Ratio Lower Upper  
94 100  
65 25.4 6.5 46.5  
66 32.7 14.7 54.7







#11

bis(2-Chloroethyl)ether

Concen: 35.826 ng

RT: 7.228 min Scan# 721

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 110231

Ion Ratio Lower Upper

93 100

63 67.4 51.0 91.0

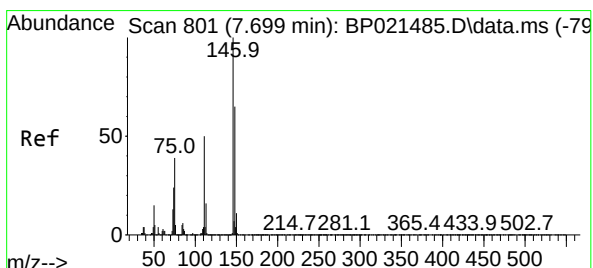
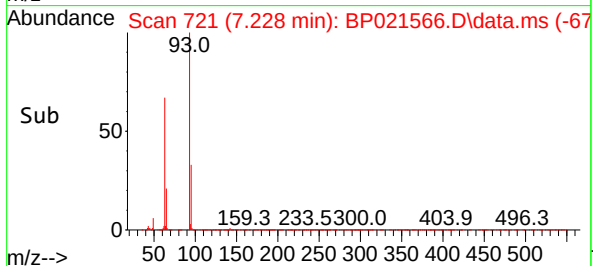
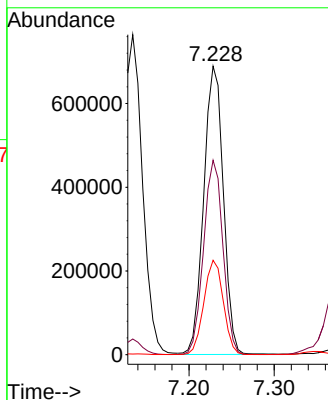
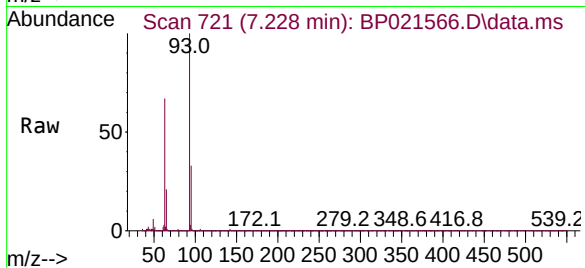
95 32.8 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#12

1,3-Dichlorobenzene

Concen: 38.912 ng

RT: 7.699 min Scan# 801

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

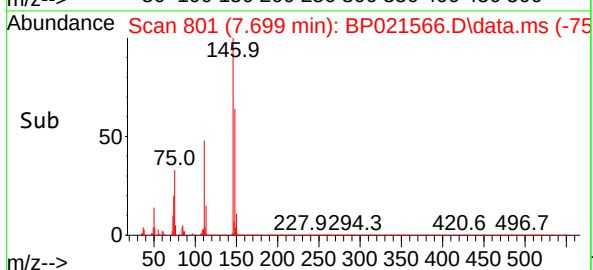
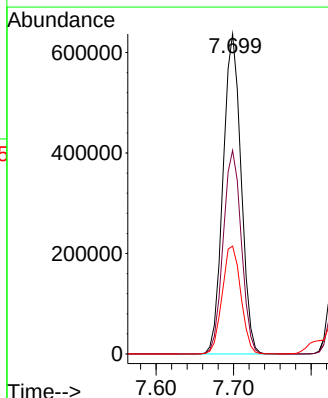
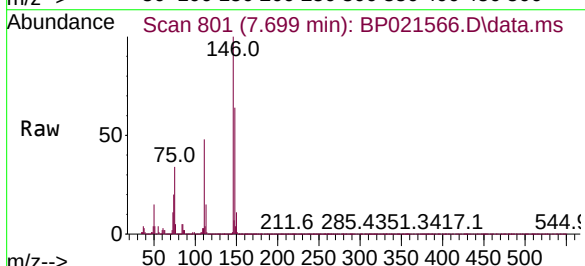
Tgt Ion:146 Resp: 1028196

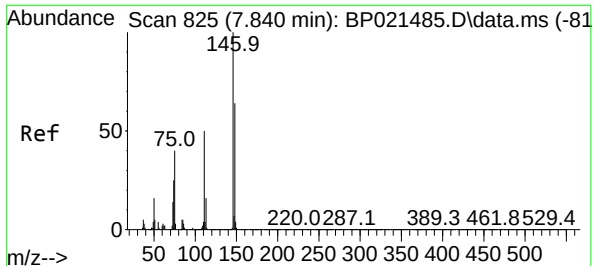
Ion Ratio Lower Upper

146 100

148 63.6 51.8 77.6

75 33.7 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 39.044 ng

RT: 7.840 min Scan# 81

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 1041774

Ion Ratio Lower Upper

146 100

148 64.3 51.5 77.3

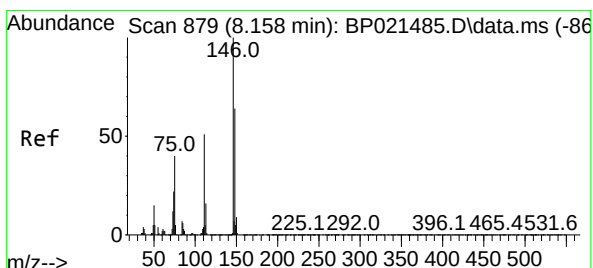
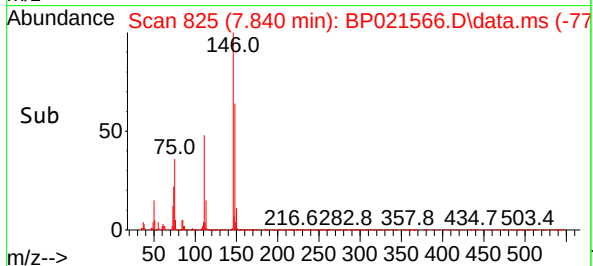
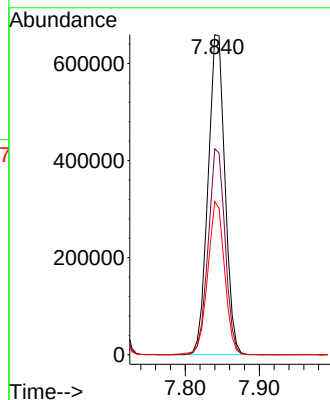
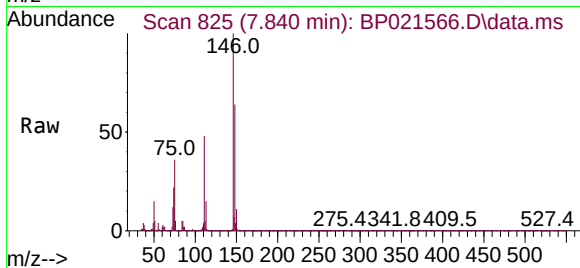
111 47.9 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#14

1,2-Dichlorobenzene

Concen: 38.497 ng

RT: 8.157 min Scan# 879

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

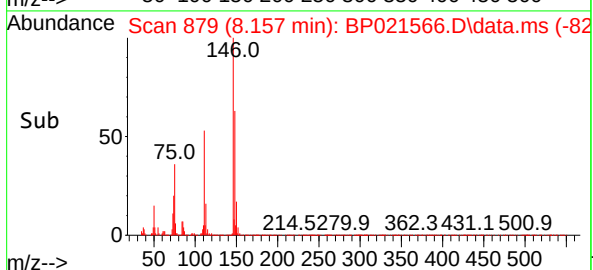
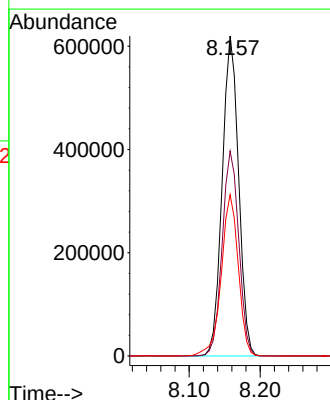
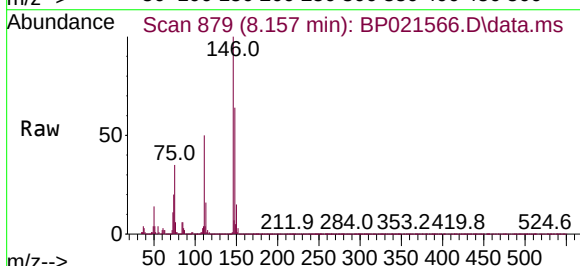
Tgt Ion:146 Resp: 989860

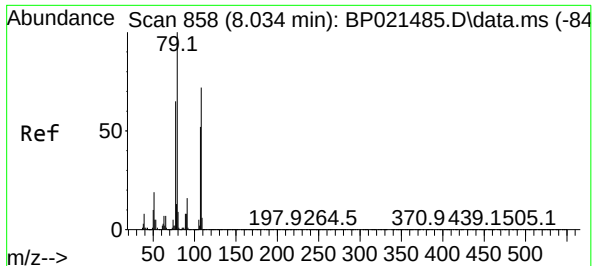
Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

111 50.4 41.1 61.7





#15

Benzyl Alcohol

Concen: 38.244 ng

RT: 8.040 min Scan# 8

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 96357

Ion Ratio Lower Upper

79 100

108 77.6 57.9 86.9

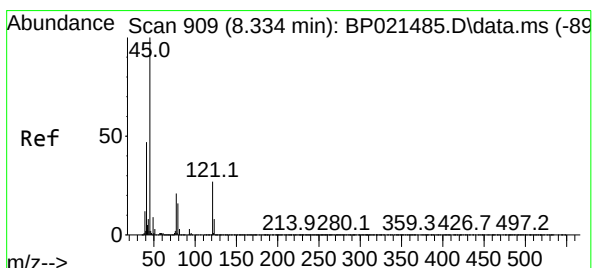
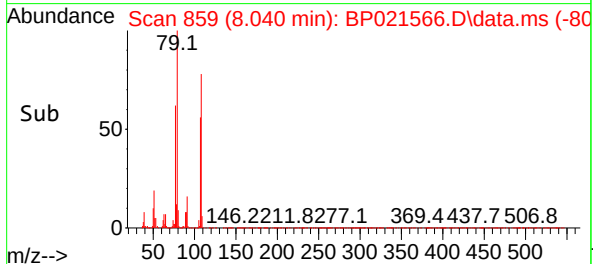
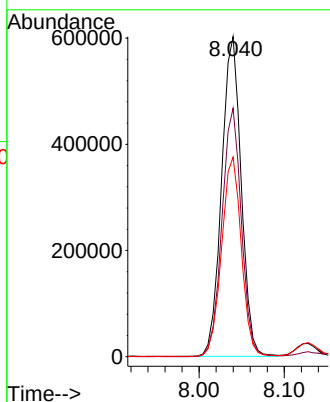
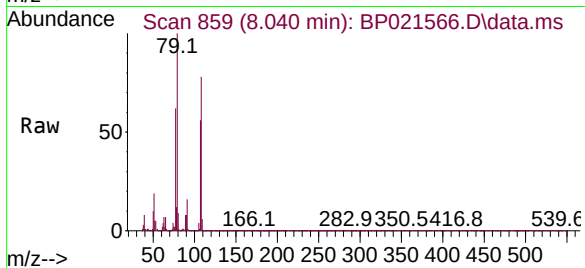
77 62.3 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.893 ng

RT: 8.328 min Scan# 908

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

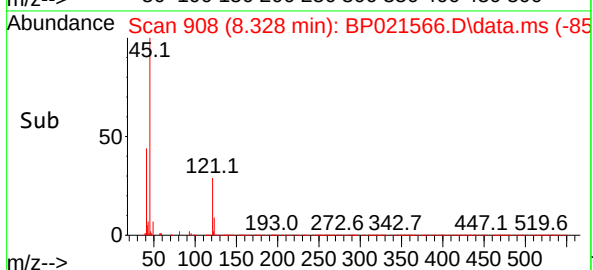
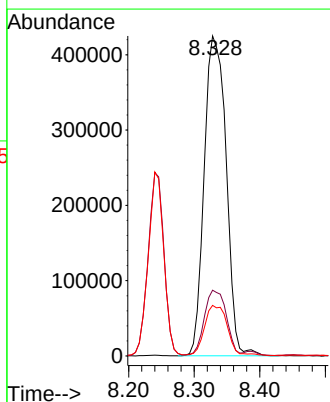
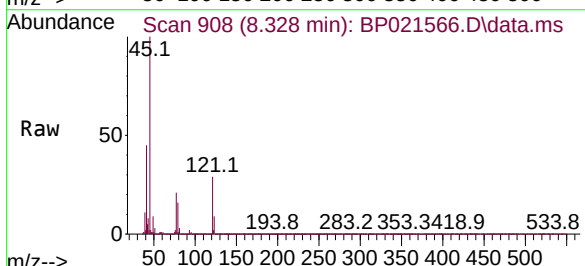
Tgt Ion: 45 Resp: 988701

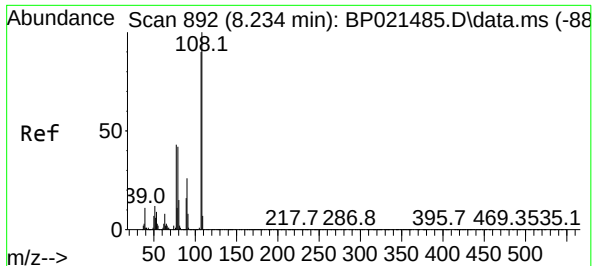
Ion Ratio Lower Upper

45 100

77 20.5 1.9 41.9

79 15.8 0.0 36.6





#17

2-Methylphenol

Concen: 39.549 ng

RT: 8.246 min Scan# 89

Delta R.T. 0.012 min

Lab File: BP021566.D

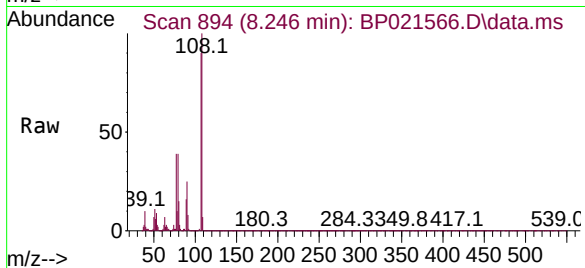
Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040



Tgt Ion:107 Resp: 909170

Ion Ratio Lower Upper

107 100

108 111.2 88.8 133.2

77 43.4 38.7 58.1

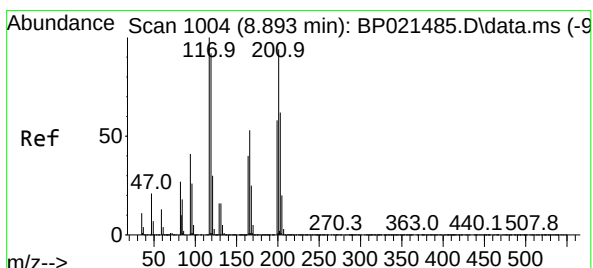
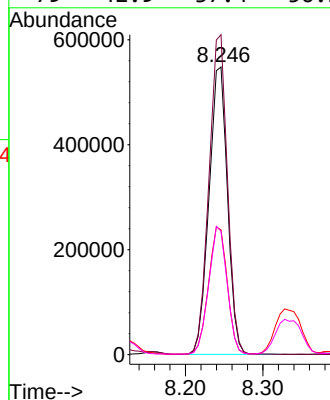
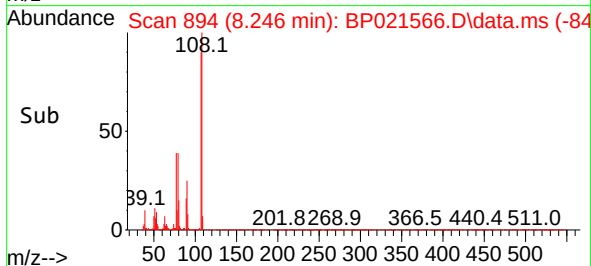
79 42.9 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#18

Hexachloroethane

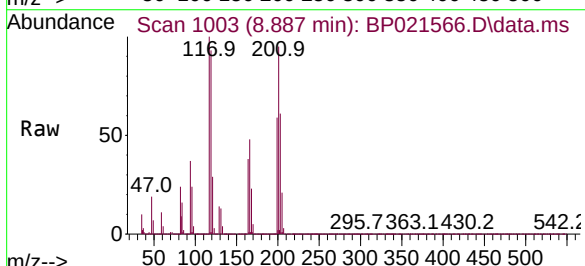
Concen: 39.861 ng

RT: 8.887 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07



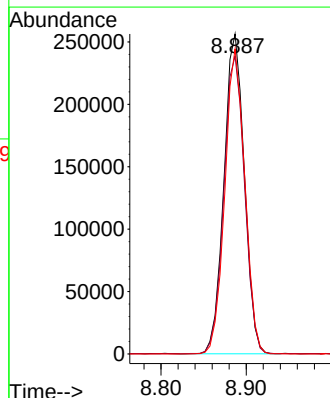
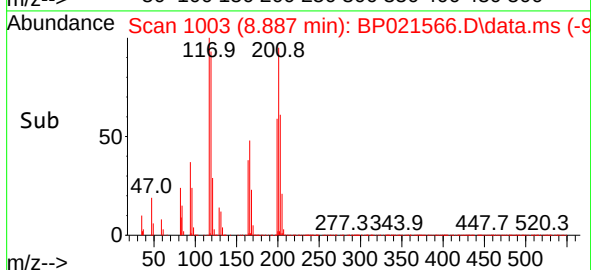
Tgt Ion:117 Resp: 426491

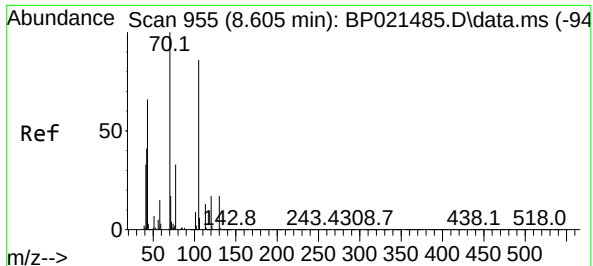
Ion Ratio Lower Upper

117 100

119 93.1 73.9 110.9

201 95.3 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 32.677 ng

RT: 8.605 min Scan# 91

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 792638

Ion Ratio Lower Upper

70 100

42 43.6 33.1 49.7

101 10.7 7.4 11.2

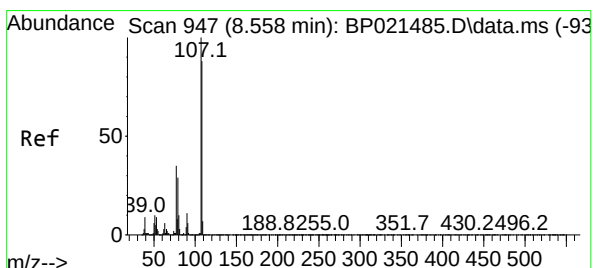
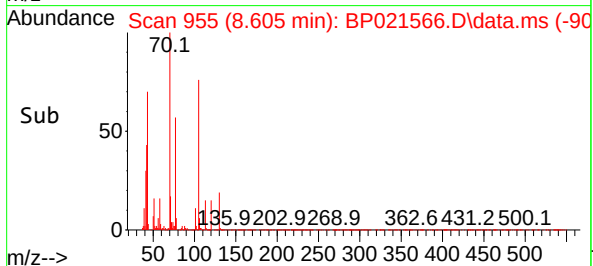
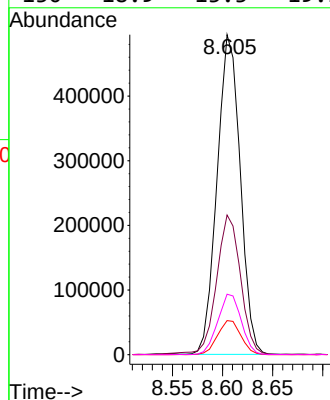
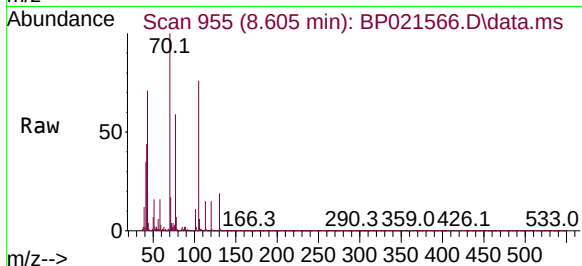
130 18.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#20

3+4-Methylphenols

Concen: 41.450 ng

RT: 8.569 min Scan# 949

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Tgt Ion:107 Resp: 1284831

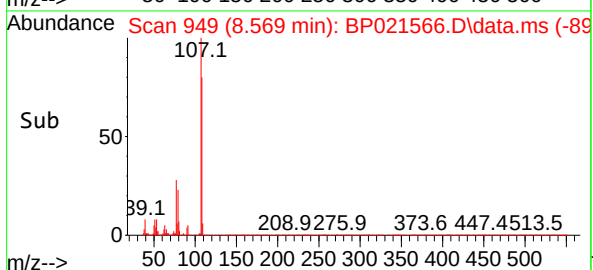
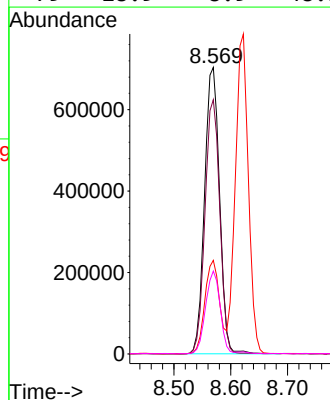
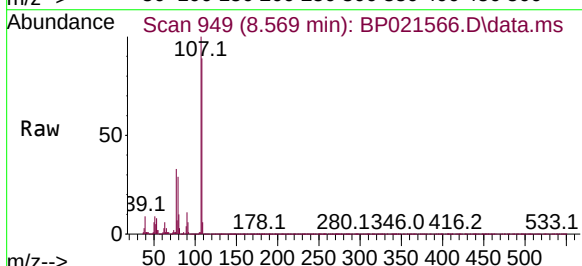
Ion Ratio Lower Upper

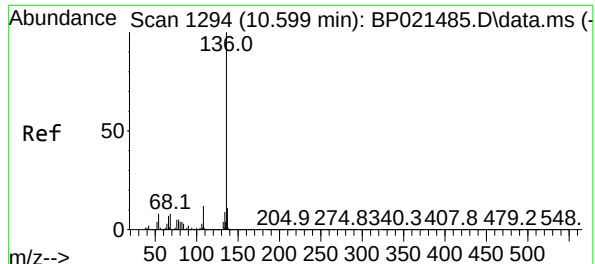
107 100

108 88.7 67.6 107.6

77 32.7 15.0 55.0

79 28.9 8.9 48.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.593 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 1454000

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.0 6.3 9.5

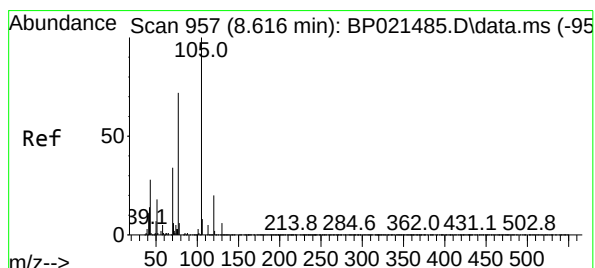
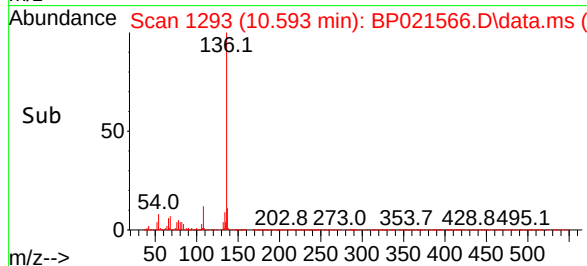
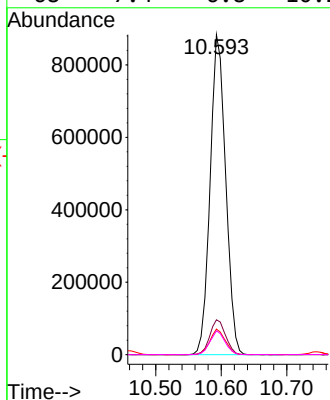
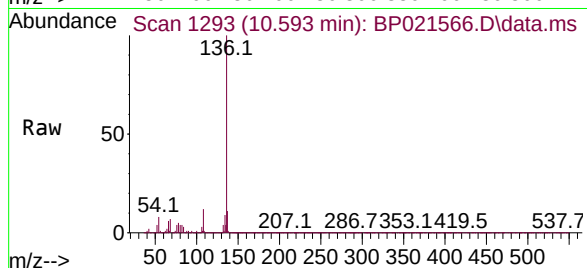
68 7.4 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#22

Acetophenone

Concen: 37.996 ng

RT: 8.622 min Scan# 958

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Tgt Ion:105 Resp: 1697255

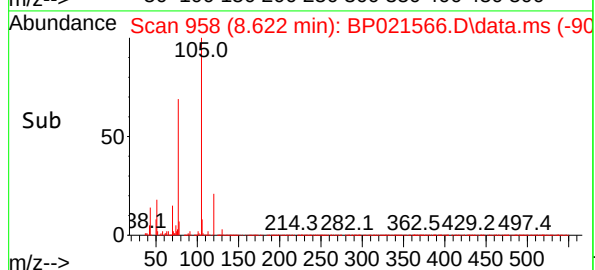
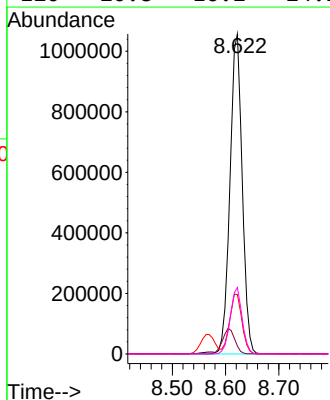
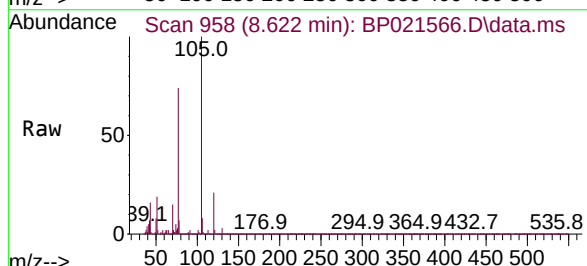
Ion Ratio Lower Upper

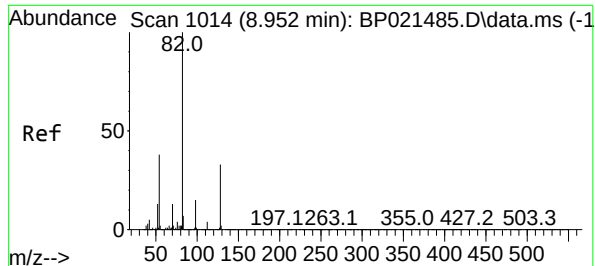
105 100

71 2.5 4.6 7.0#

51 18.5 16.3 24.5

120 20.8 16.2 24.2





#23

Nitrobenzene-d5

Concen: 87.927 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 2476910

Ion Ratio Lower Upper

82 100

128 38.0 26.5 39.7

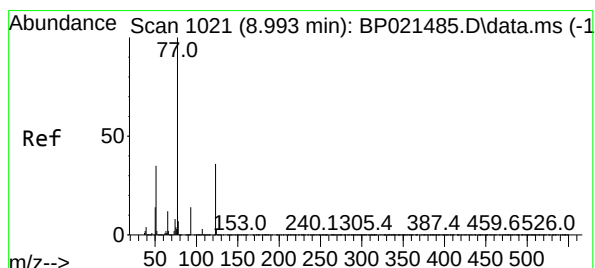
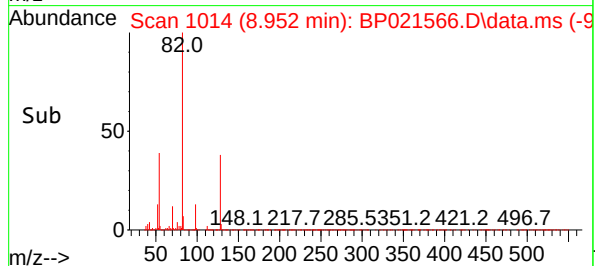
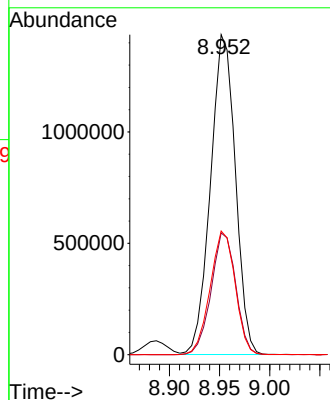
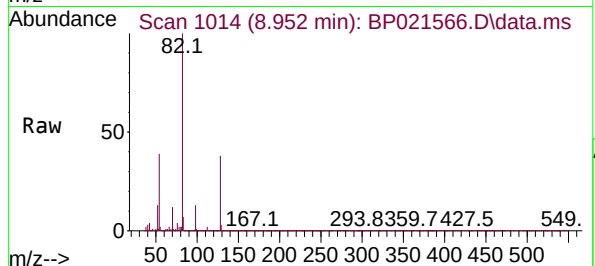
54 38.6 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#24

Nitrobenzene

Concen: 41.074 ng

RT: 8.993 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

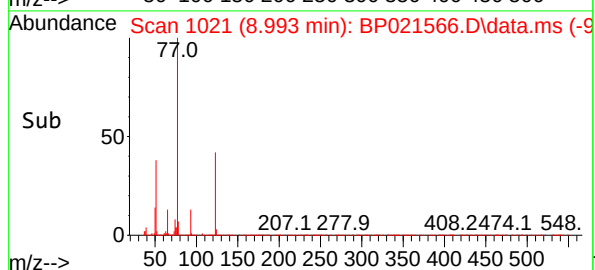
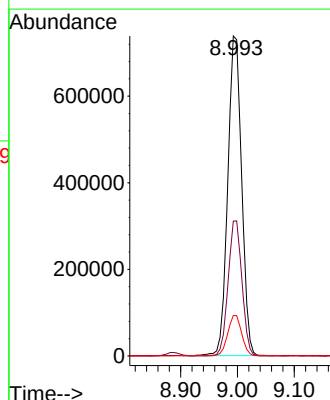
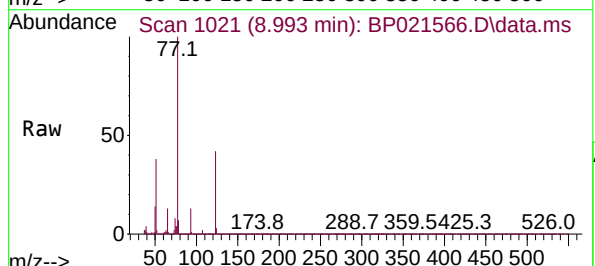
Tgt Ion: 77 Resp: 1256678

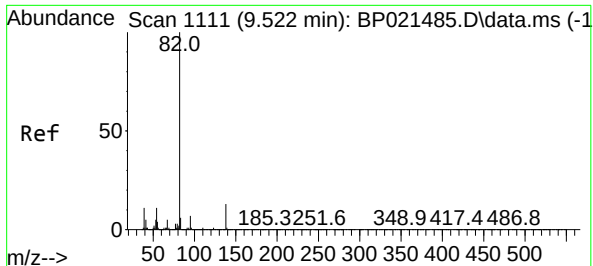
Ion Ratio Lower Upper

77 100

123 42.1 29.5 44.3

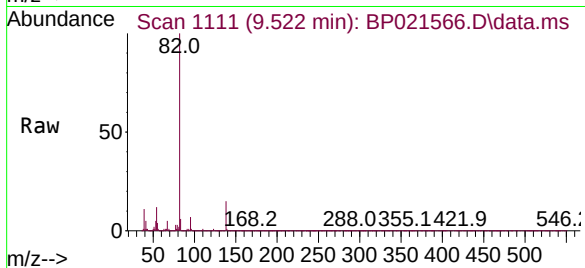
65 12.6 9.9 14.9





#25  
Isophorone  
Concen: 35.068 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

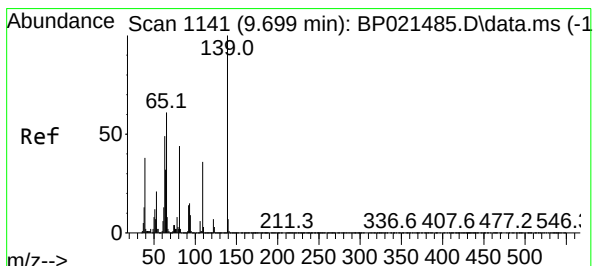
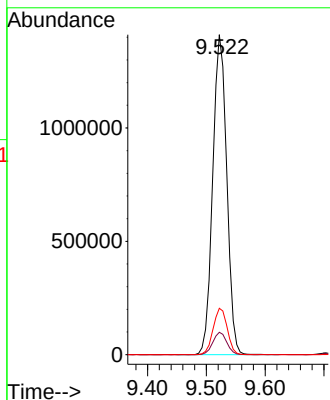
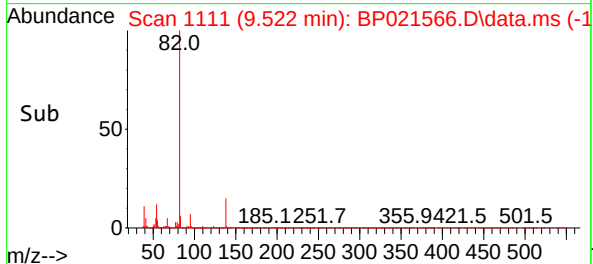
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



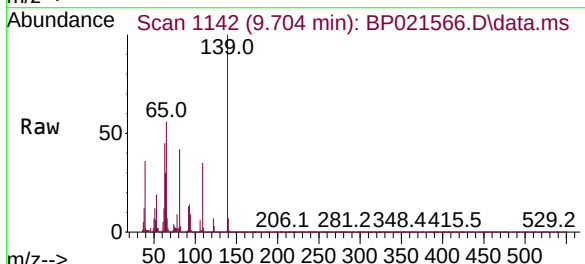
Tgt Ion: 82 Resp: 233378  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.4 8.2  
138 14.5 10.6 16.0

Manual Integrations  
APPROVED

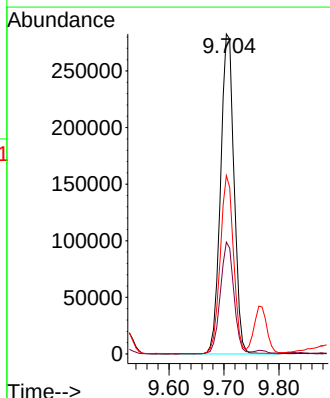
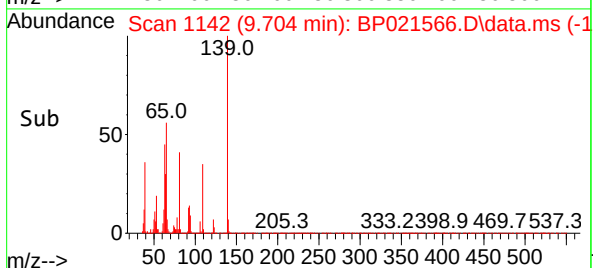
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



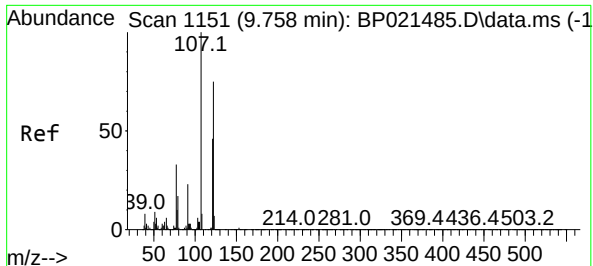
#26  
2-Nitrophenol  
Concen: 56.961 ng  
RT: 9.704 min Scan# 1142  
Delta R.T. 0.005 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07



Tgt Ion:139 Resp: 480680  
Ion Ratio Lower Upper  
139 100  
109 34.9 28.9 43.3  
65 55.8 49.0 73.6







#27

2,4-Dimethylphenol

Concen: 40.576 ng

RT: 9.769 min Scan# 1151

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 666408

Ion Ratio Lower Upper

122 100

107 125.8 106.2 159.4

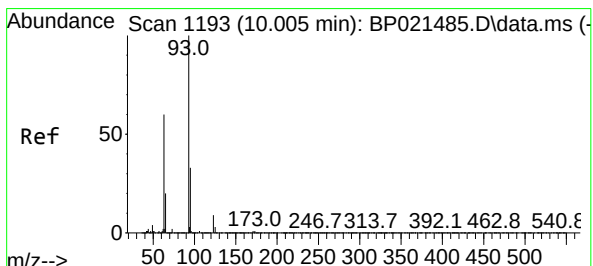
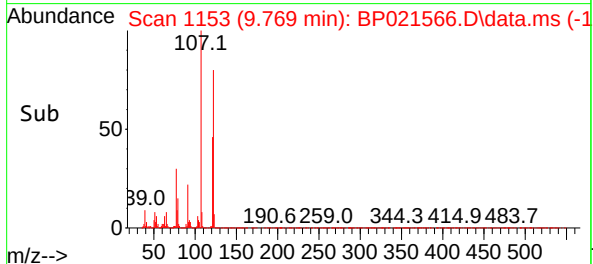
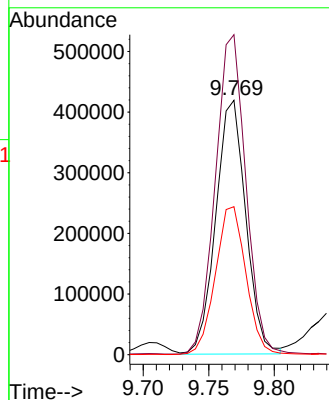
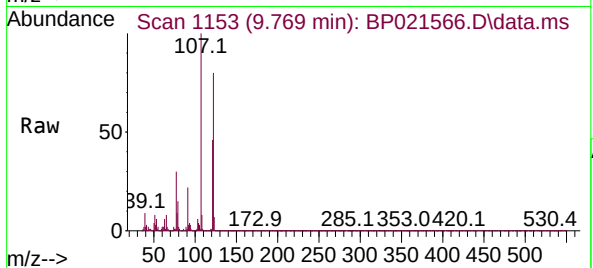
121 58.2 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#28

bis(2-Chloroethoxy)methane

Concen: 36.141 ng

RT: 10.004 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

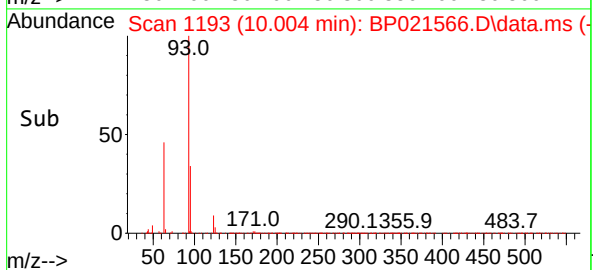
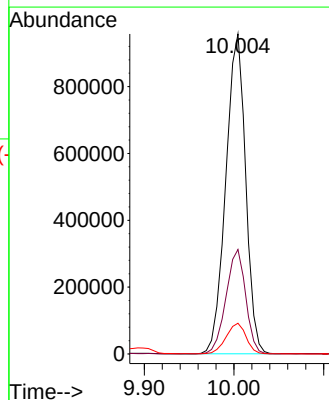
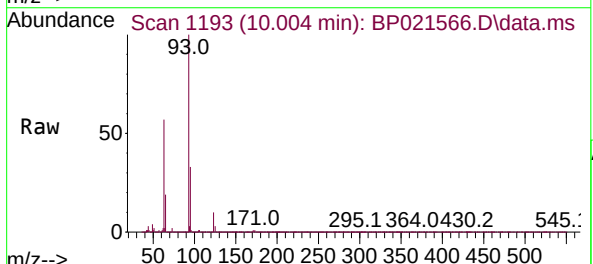
Tgt Ion: 93 Resp: 1468190

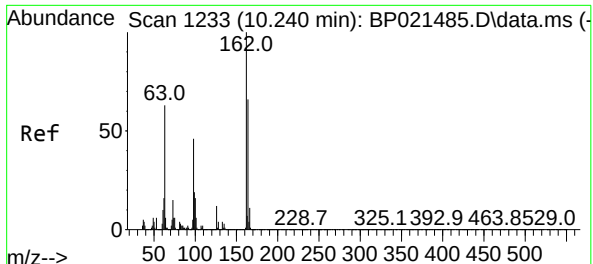
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.4

123 9.6 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 44.986 ng

RT: 10.240 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 872962

Ion Ratio Lower Upper

162 100

164 64.4 45.9 85.9

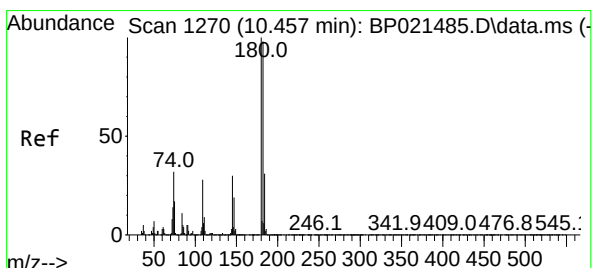
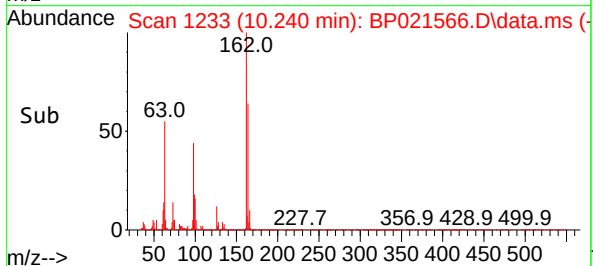
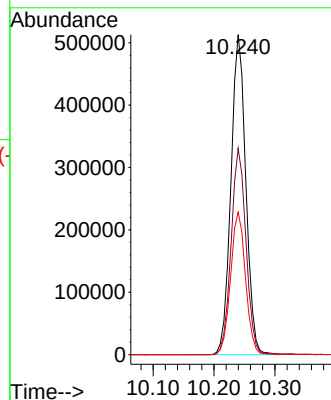
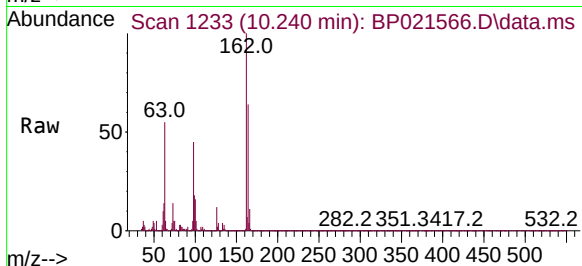
98 44.6 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#30

1,2,4-Trichlorobenzene

Concen: 38.855 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

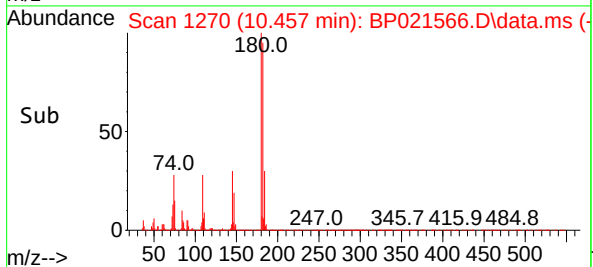
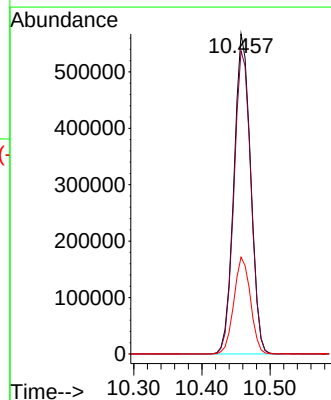
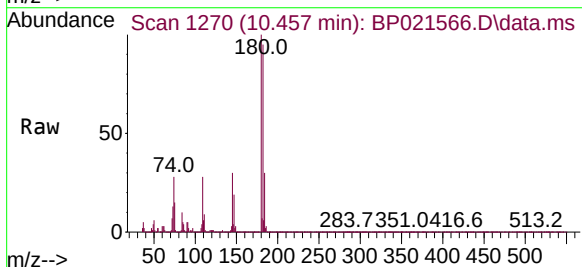
Tgt Ion:180 Resp: 966653

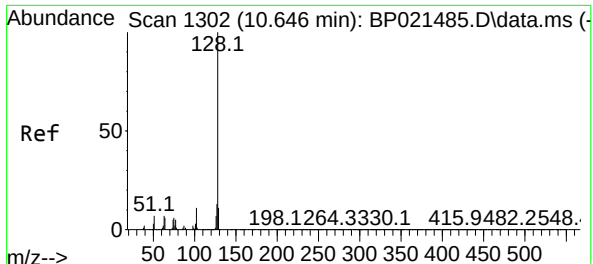
Ion Ratio Lower Upper

180 100

182 94.7 78.3 117.5

145 30.2 24.0 36.0





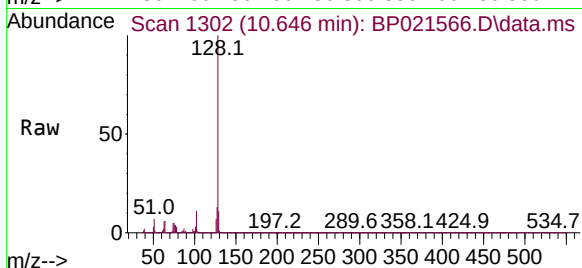
#31  
Naphthalene  
Concen: 39.431 ng  
RT: 10.646 min Scan# 1175  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040



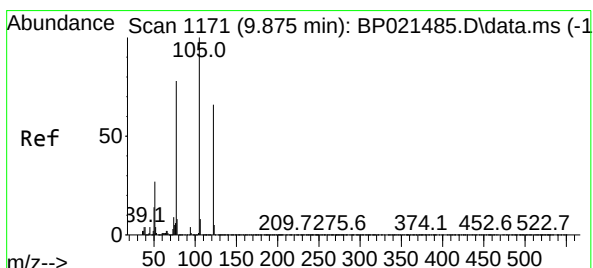
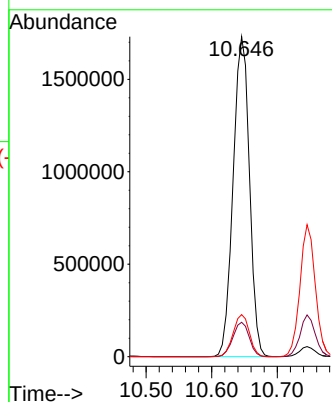
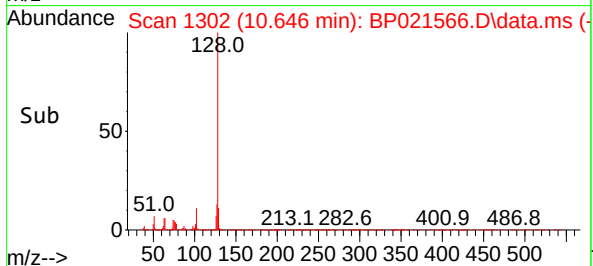
Tgt Ion:128 Resp: 2995089  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 13.1 10.6 15.8

Manual Integrations

APPROVED

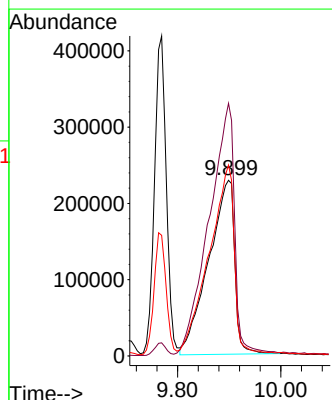
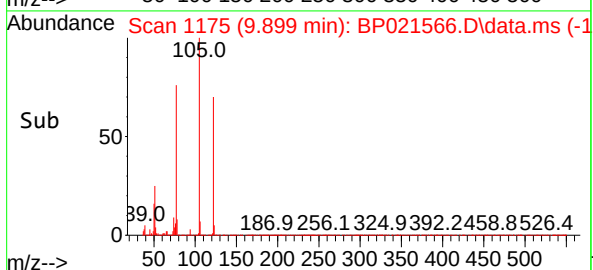
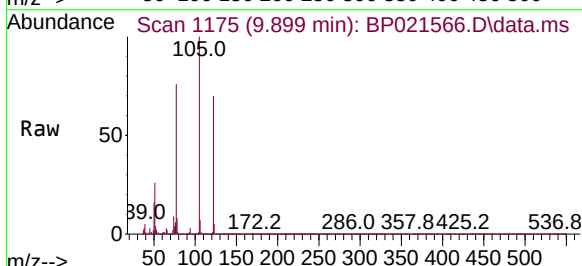
Reviewed By :Yogesh Patel 08/21/2024

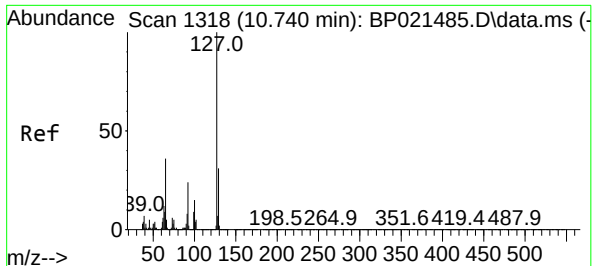
Supervised By :mohammad ahmed 08/22/2024



#32  
Benzoic acid  
Concen: 64.703 ng  
RT: 9.899 min Scan# 1175  
Delta R.T. 0.024 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

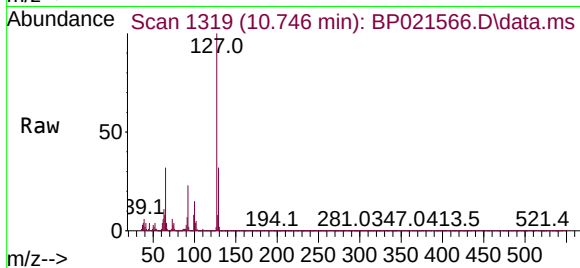
Tgt Ion:122 Resp: 796276  
Ion Ratio Lower Upper  
122 100  
105 143.8 124.6 164.6  
77 108.7 96.2 136.2





#33  
4-Chloroaniline  
Concen: 40.535 ng  
RT: 10.746 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

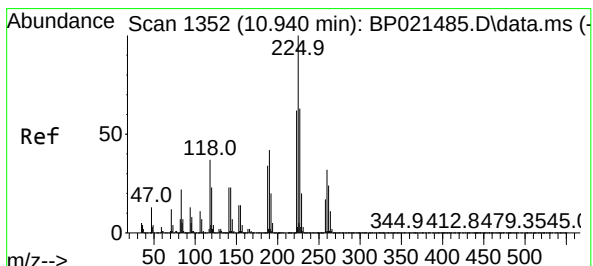
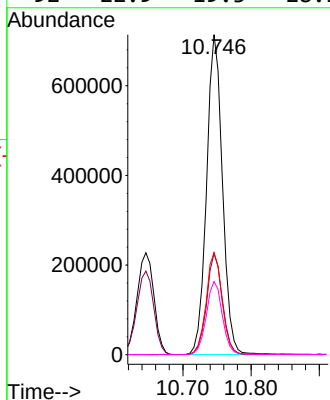
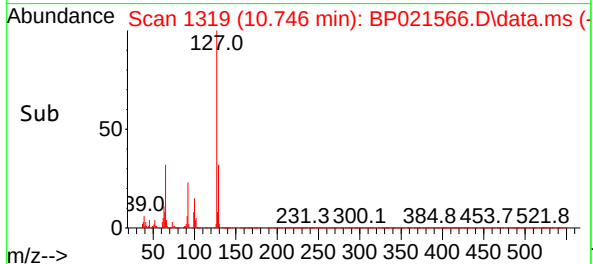
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



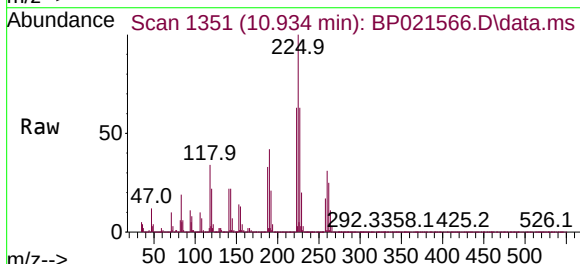
Tgt Ion:127 Resp: 115654  
Ion Ratio Lower Upper  
127 100  
129 31.7 24.5 36.7  
65 31.9 28.9 43.3  
92 22.9 19.3 28.9

Manual Integrations  
APPROVED

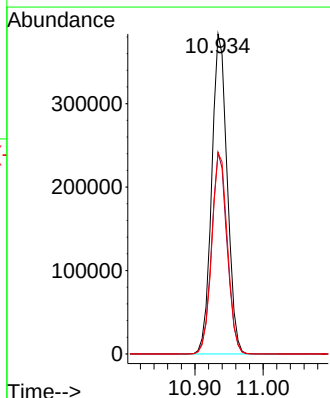
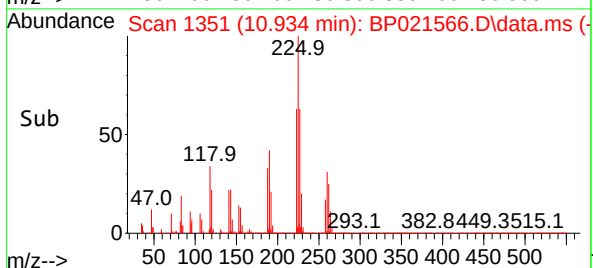
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

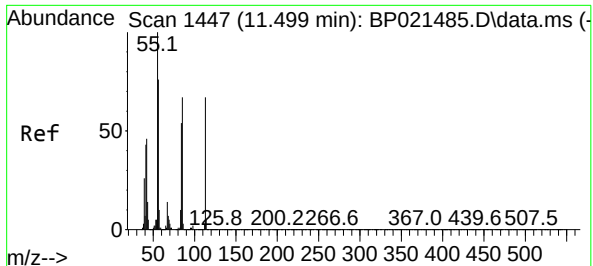


#34  
Hexachlorobutadiene  
Concen: 38.600 ng  
RT: 10.934 min Scan# 1351  
Delta R.T. -0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07



Tgt Ion:225 Resp: 604655  
Ion Ratio Lower Upper  
225 100  
223 63.0 49.6 74.4  
227 62.9 50.1 75.1





#35

Caprolactam

Concen: 46.800 ng

RT: 11.522 min Scan# 1447

Delta R.T. 0.023 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 37801

Ion Ratio Lower Upper

113 100

55 139.1 130.6 170.6

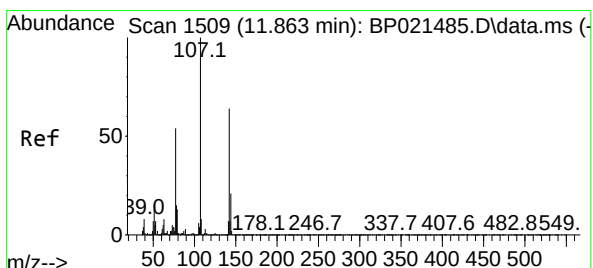
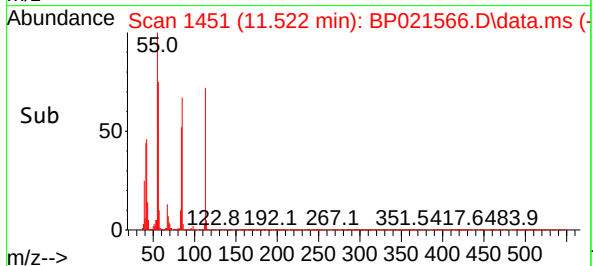
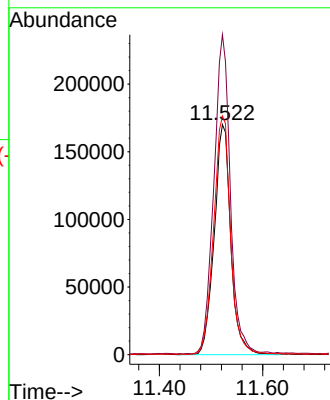
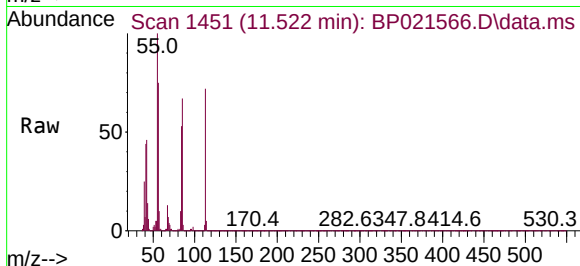
56 103.8 94.6 134.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#36

4-Chloro-3-methylphenol

Concen: 43.882 ng

RT: 11.875 min Scan# 1511

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

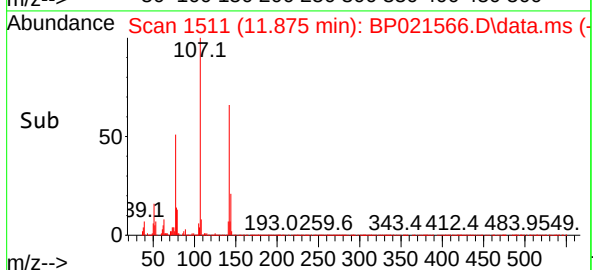
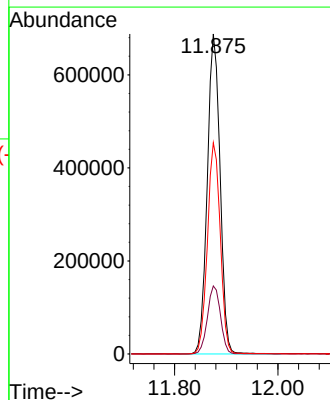
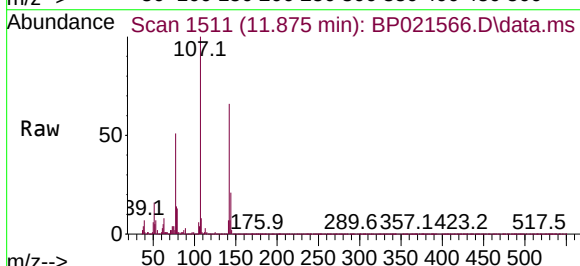
Tgt Ion:107 Resp: 1181215

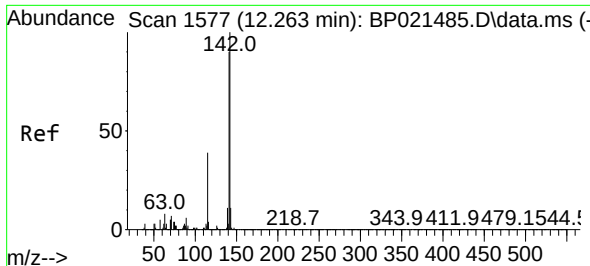
Ion Ratio Lower Upper

107 100

144 21.3 16.6 24.8

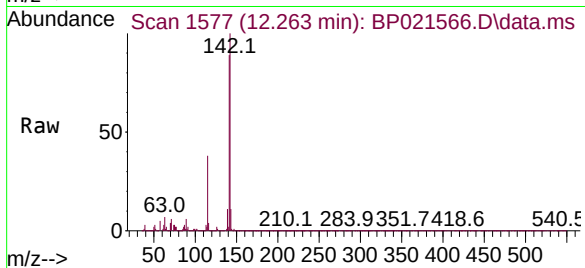
142 66.0 51.0 76.4





#37  
2-Methylnaphthalene  
Concen: 38.859 ng  
RT: 12.263 min Scan# 1577  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

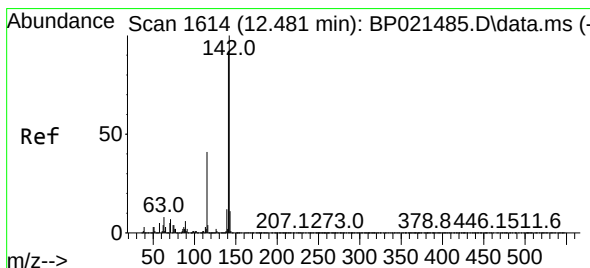
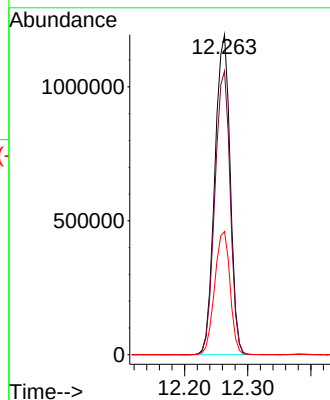
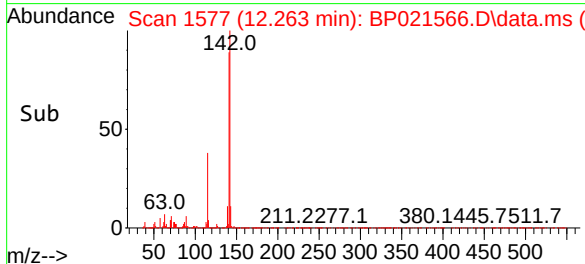
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



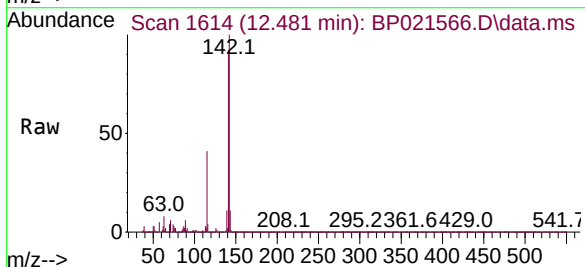
Tgt Ion:142 Resp: 201446  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.7 107.5  
115 38.5 31.4 47.2

Manual Integrations  
APPROVED

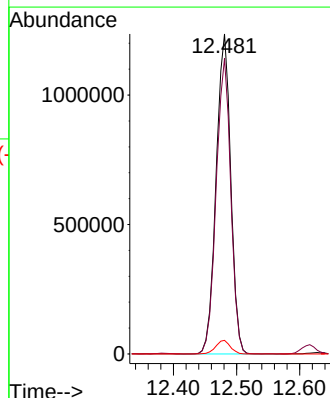
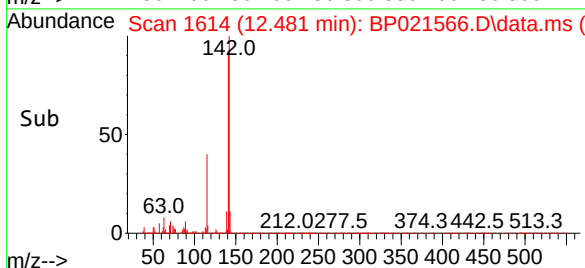
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

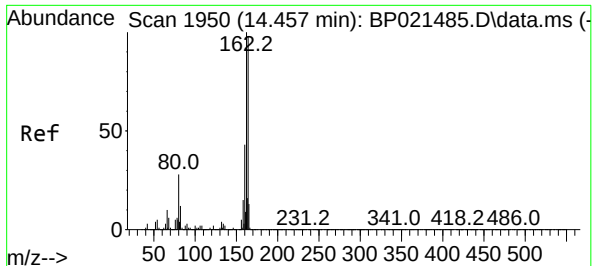


#38  
1-Methylnaphthalene  
Concen: 38.775 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07



Tgt Ion:142 Resp: 1982500  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.5 110.3  
116 4.3 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

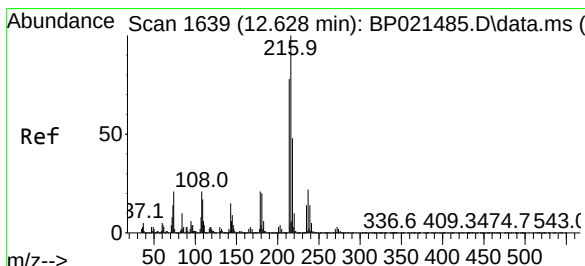
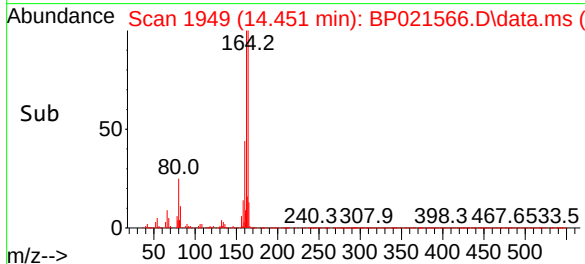
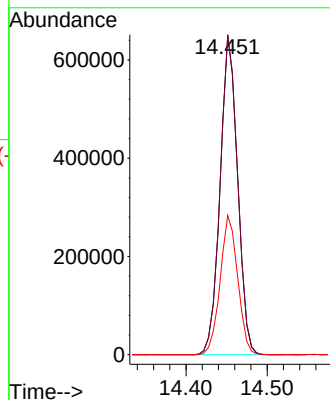
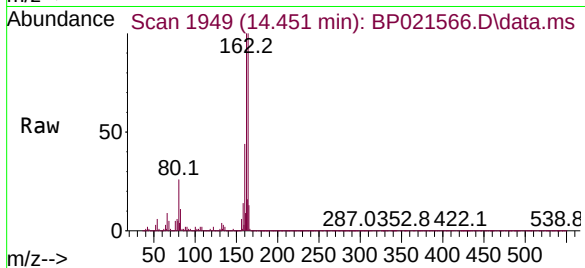
Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 97125 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.2 | 81.5  | 122.3 |
| 160       | 43.6  | 35.2  | 52.8  |

Manual Integrations  
APPROVEDReviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.147 ng

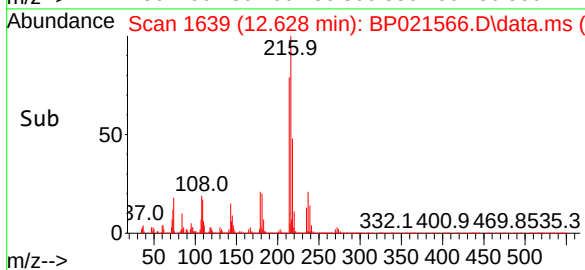
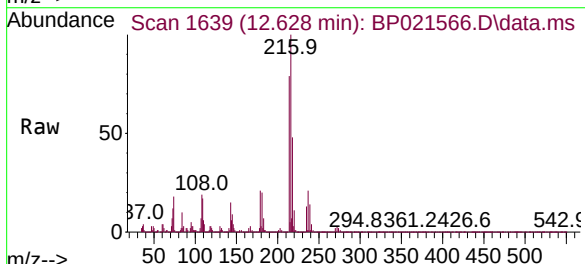
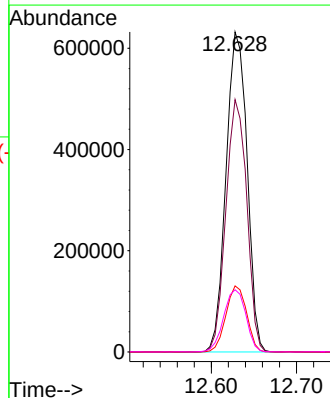
RT: 12.628 min Scan# 1639

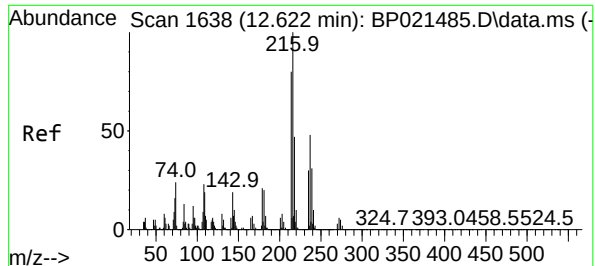
Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 216   | Resp: | 1085575 |
| Ion Ratio | Lower | Upper |         |
| 216       | 100   |       |         |
| 214       | 78.1  | 62.5  | 93.7    |
| 179       | 20.3  | 16.4  | 24.6    |
| 108       | 20.5  | 16.7  | 25.1    |





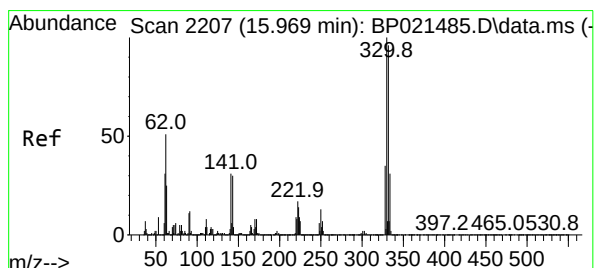
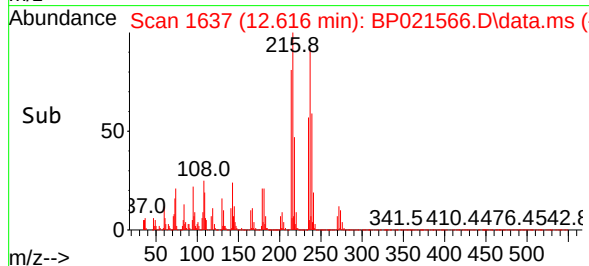
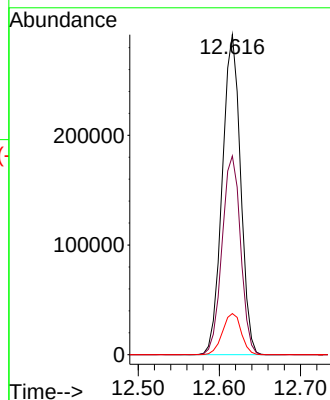
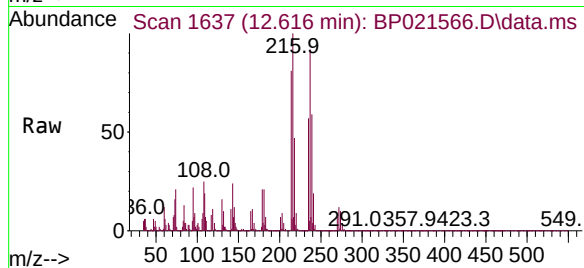
#41  
Hexachlorocyclopentadiene  
Concen: 50.596 ng  
RT: 12.616 min Scan# 1637  
Delta R.T. -0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 237 Resp: 456339  
Ion Ratio Lower Upper  
237 100  
235 62.1 43.9 83.9  
272 12.8 0.0 33.3

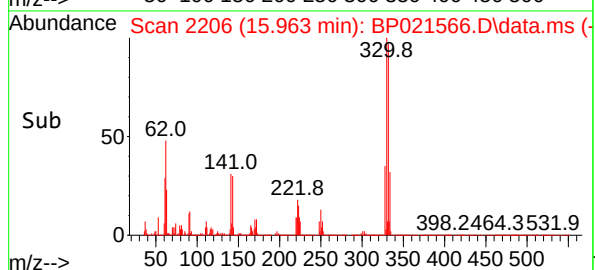
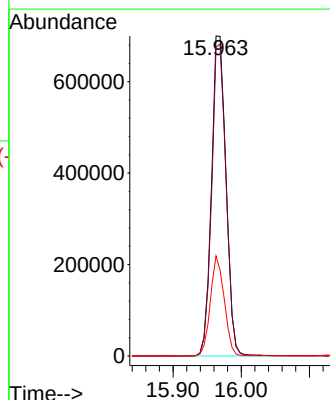
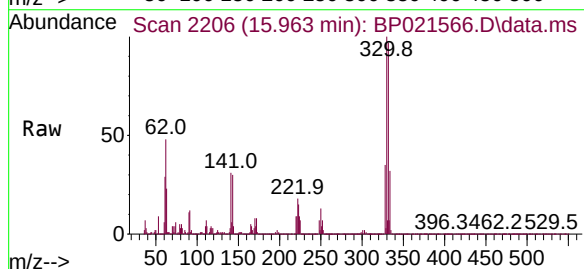
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

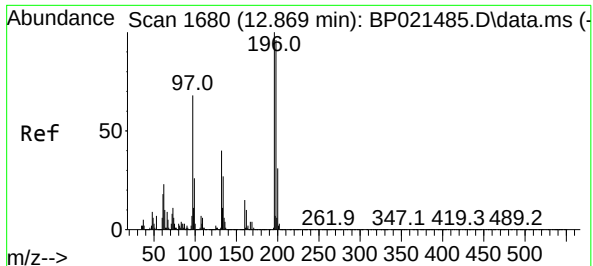


#42  
2,4,6-Tribromophenol  
Concen: 95.950 ng  
RT: 15.963 min Scan# 2206  
Delta R.T. -0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion: 330 Resp: 1037187  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.4 116.0  
141 29.9 24.5 36.7







#43

2,4,6-Trichlorophenol

Concen: 46.468 ng

RT: 12.869 min Scan# 1680

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

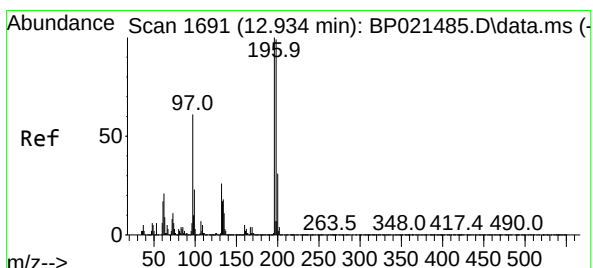
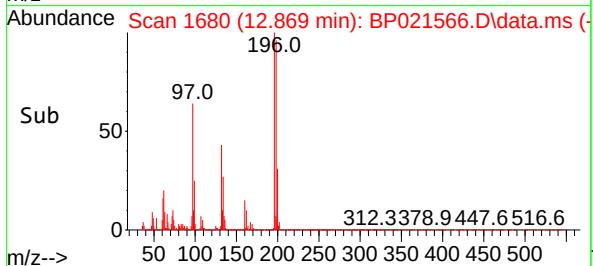
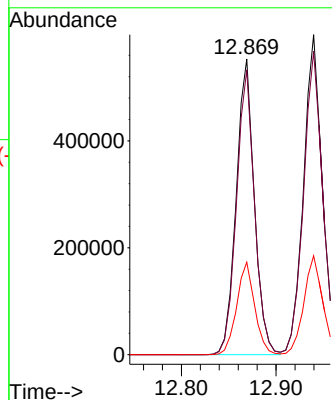
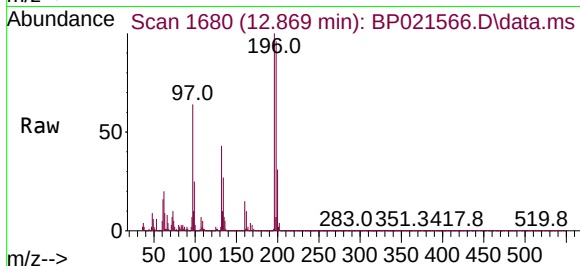
SSTDCCC040

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 734554     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 96.3  | 76.6 114.8 |
| 200         | 31.3  | 24.5 36.7  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#44

2,4,5-Trichlorophenol

Concen: 47.232 ng

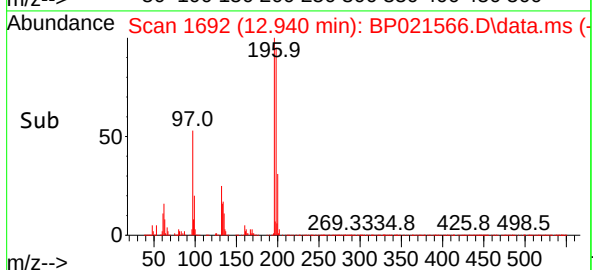
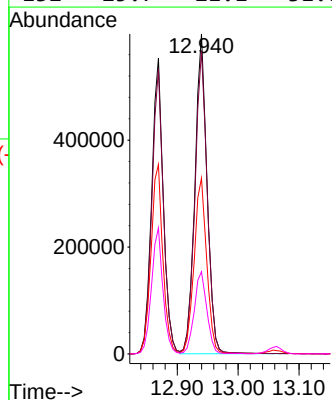
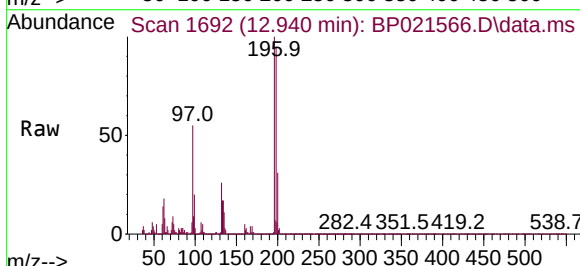
RT: 12.940 min Scan# 1692

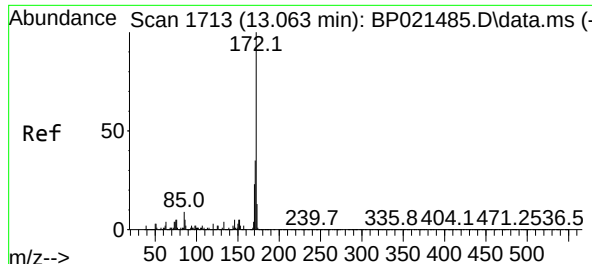
Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 829555     |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 94.8  | 78.9 118.3 |
| 97          | 54.9  | 49.4 74.0  |
| 132         | 25.7  | 21.1 31.7  |





#45

2-Fluorobiphenyl

Concen: 75.740 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 482014

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

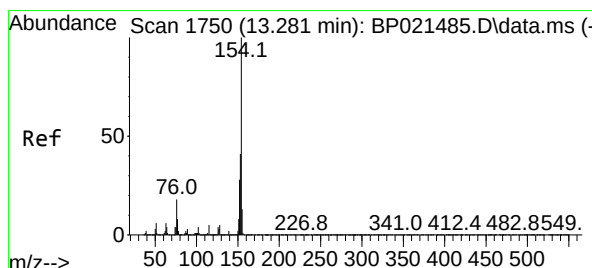
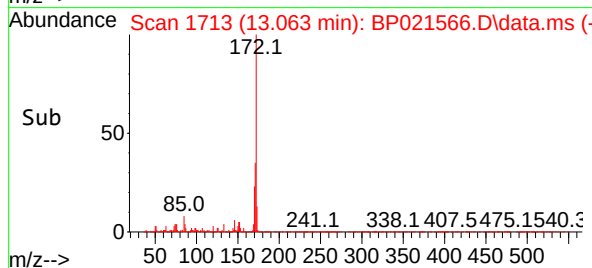
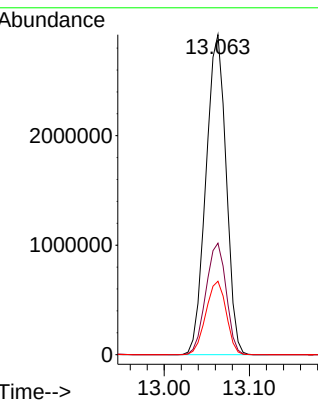
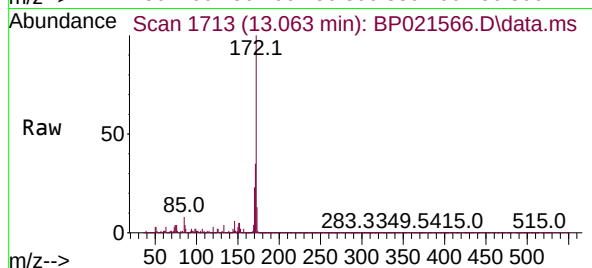
170 23.0 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#46

1,1'-Biphenyl

Concen: 38.080 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

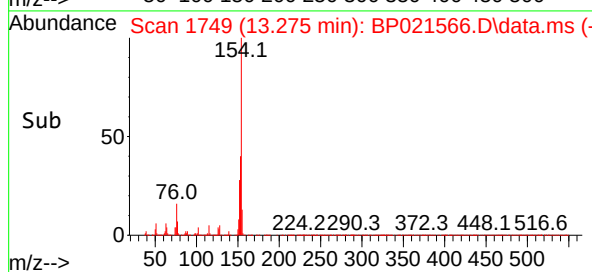
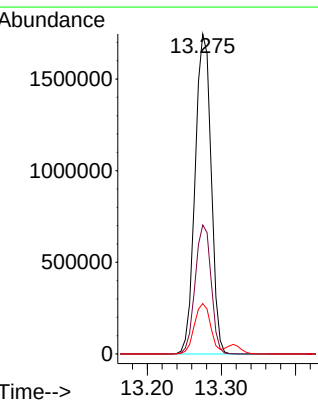
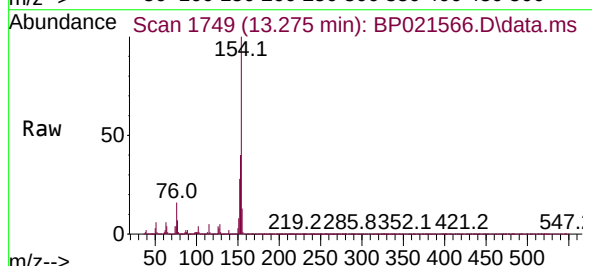
Tgt Ion:154 Resp: 2616716

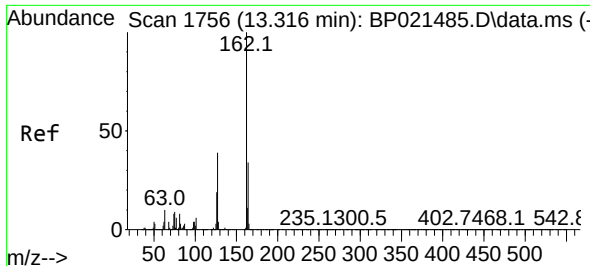
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 15.8 0.0 37.7





#47

2-Chloronaphthalene

Concen: 38.599 ng

RT: 13.316 min Scan# 1756

Delta R.T. -0.000 min

Lab File: BP021566.D

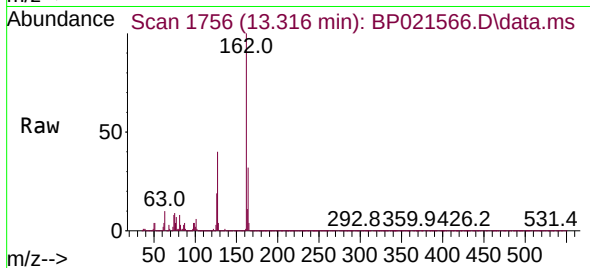
Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 206500

Ion Ratio Lower Upper

162 100

127 40.3 31.9 47.9

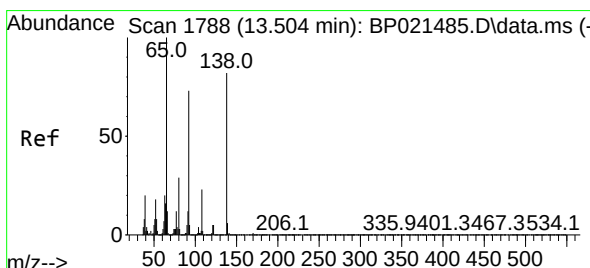
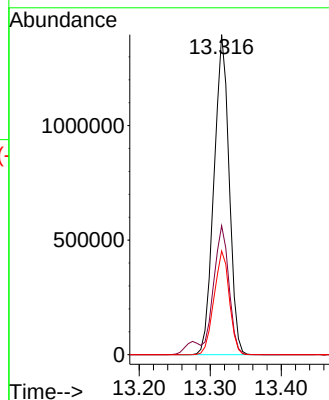
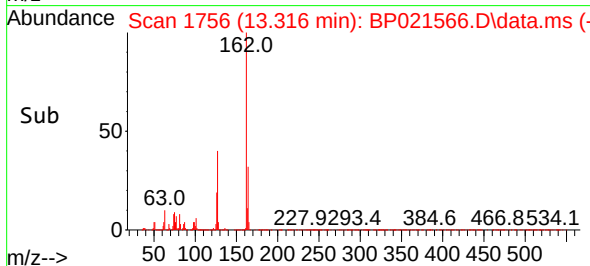
164 32.4 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#48

2-Nitroaniline

Concen: 47.106 ng

RT: 13.510 min Scan# 1789

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

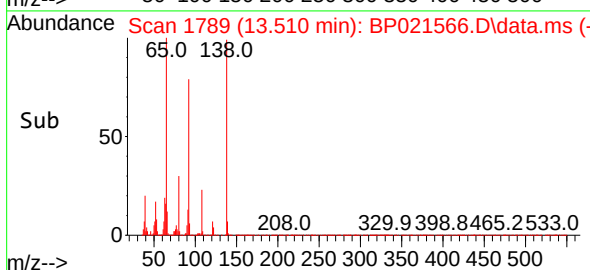
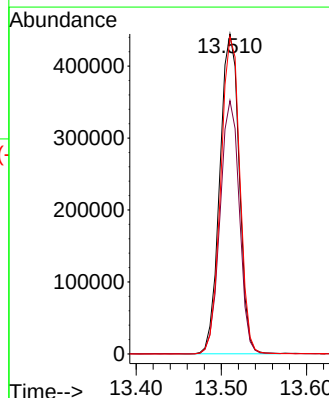
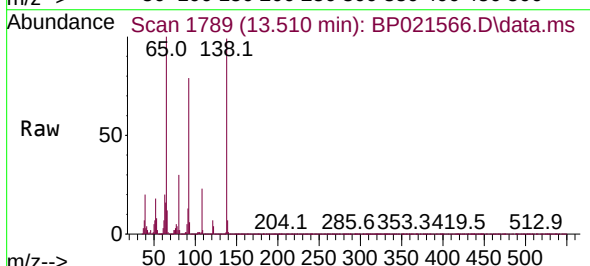
Tgt Ion: 65 Resp: 704708

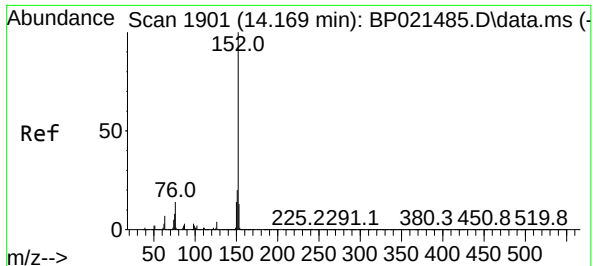
Ion Ratio Lower Upper

65 100

92 79.2 58.1 87.1

138 99.1 65.5 98.3#





#49

Acenaphthylene

Concen: 39.251 ng

RT: 14.169 min Scan# 1901

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 308691

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

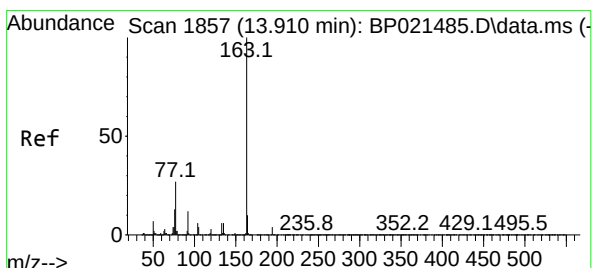
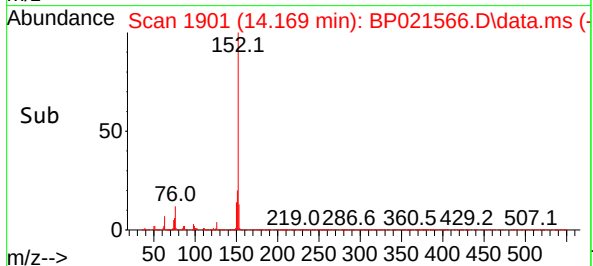
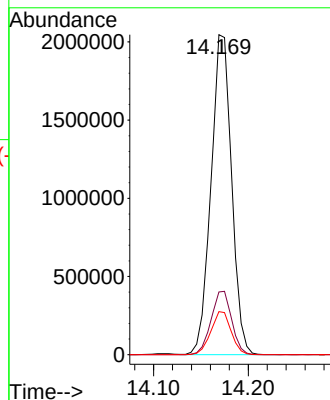
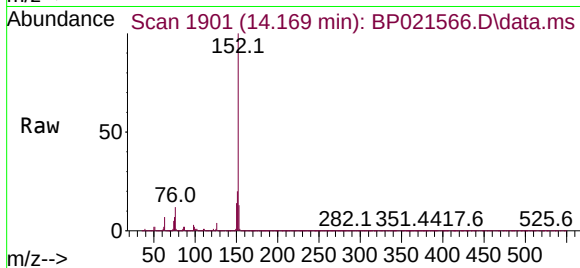
153 13.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#50

Dimethylphthalate

Concen: 39.669 ng

RT: 13.904 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

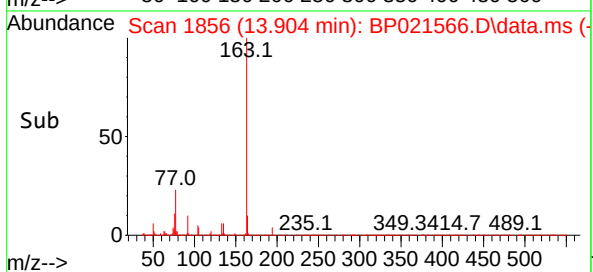
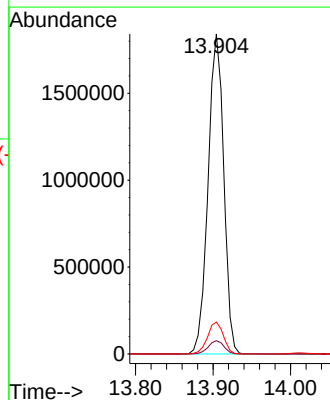
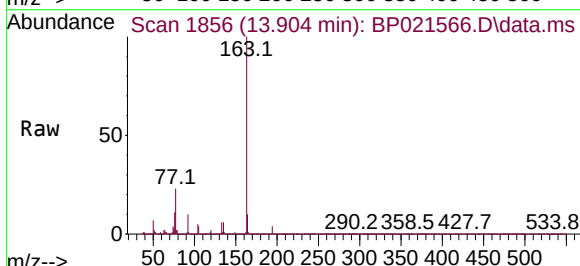
Tgt Ion:163 Resp: 2580187

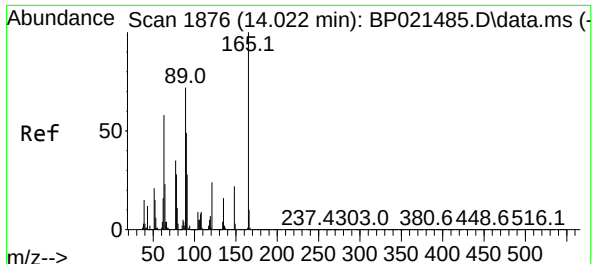
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 45.498 ng

RT: 14.010 min Scan# 1874

Delta R.T. -0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 594069

Ion Ratio Lower Upper

165 100

63 57.5 51.5 77.3

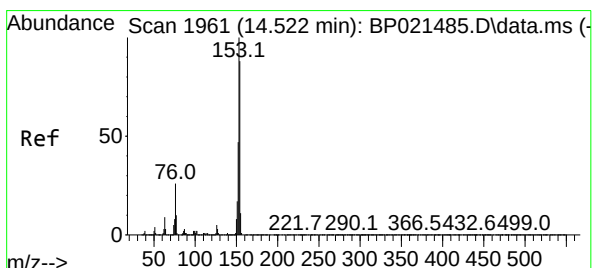
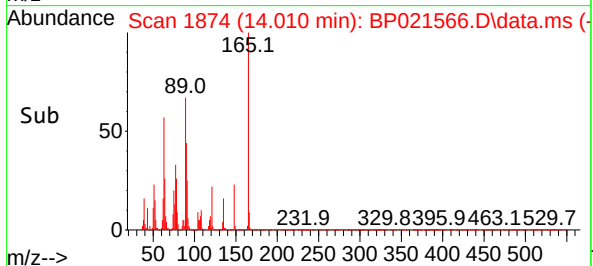
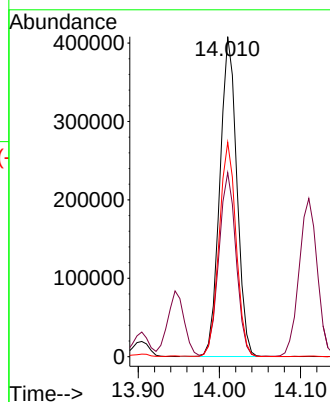
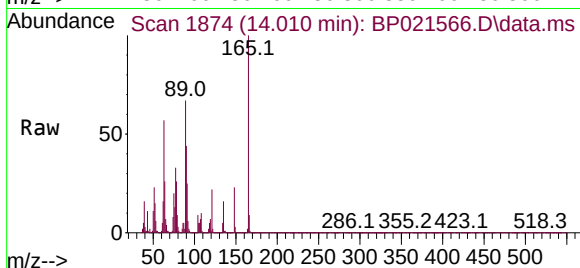
89 67.0 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#52

Acenaphthene

Concen: 40.738 ng

RT: 14.522 min Scan# 1961

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

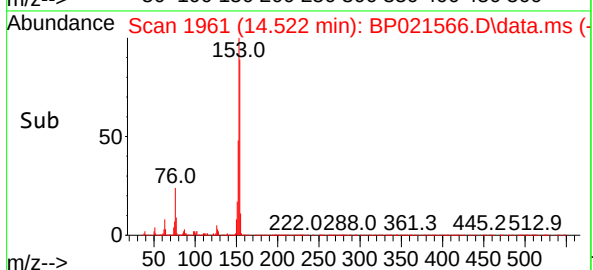
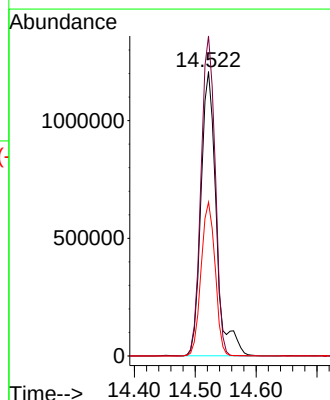
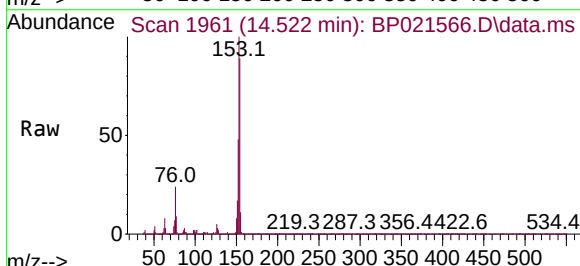
Tgt Ion:154 Resp: 2102181

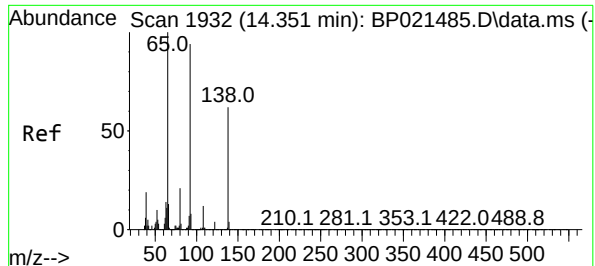
Ion Ratio Lower Upper

154 100

153 112.5 91.1 136.7

152 54.1 43.0 64.4





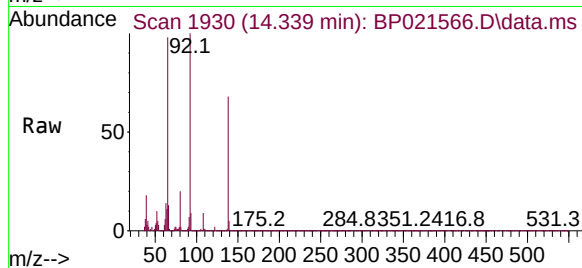
#53  
3-Nitroaniline  
Concen: 48.589 ng  
RT: 14.339 min Scan# 1932  
Delta R.T. -0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040



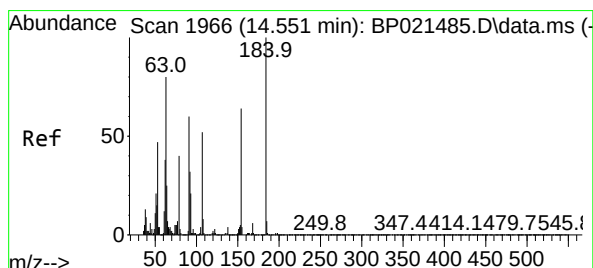
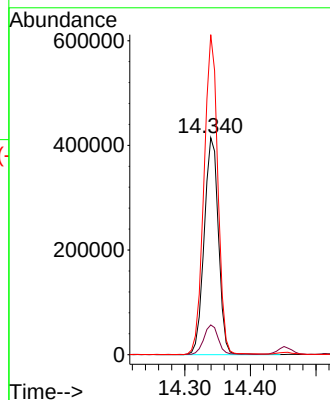
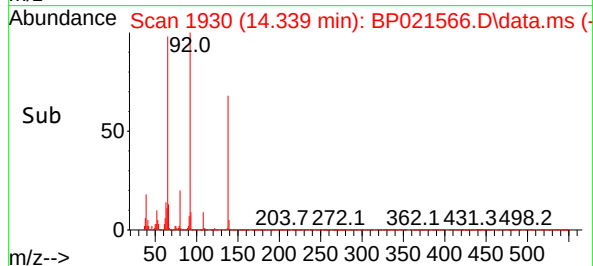
Tgt Ion:138 Resp: 627490  
Ion Ratio Lower Upper  
138 100  
108 13.7 16.2 24.4  
92 147.5 122.2 183.4

Manual Integrations

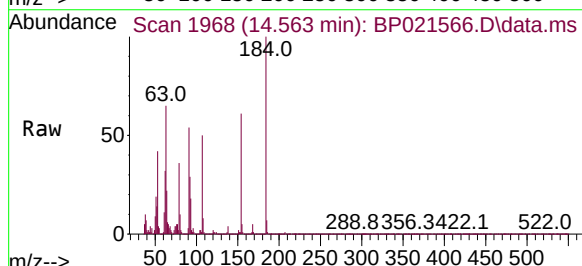
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

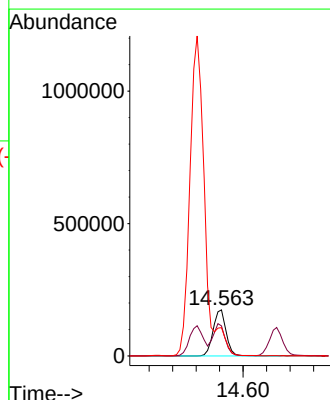
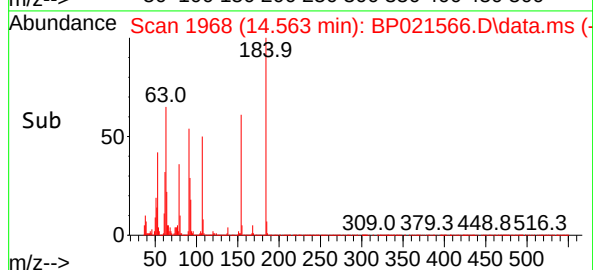
Supervised By :mohammad ahmed 08/22/2024

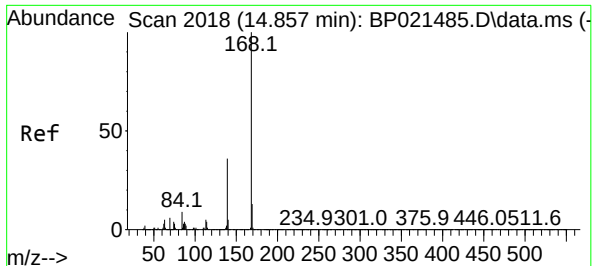


#54  
2,4-Dinitrophenol  
Concen: 65.093 ng  
RT: 14.563 min Scan# 1968  
Delta R.T. 0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07



Tgt Ion:184 Resp: 267685  
Ion Ratio Lower Upper  
184 100  
63 65.1 64.9 97.3  
154 61.3 52.1 78.1





#55

Dibenzenofuran

Concen: 39.211 ng

RT: 14.863 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 3112579

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

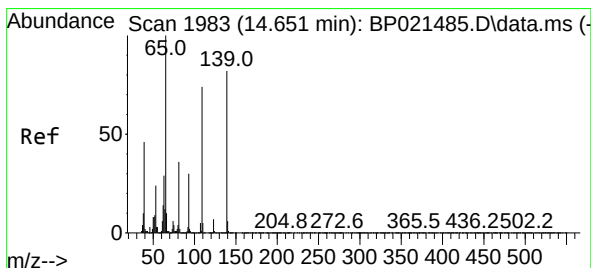
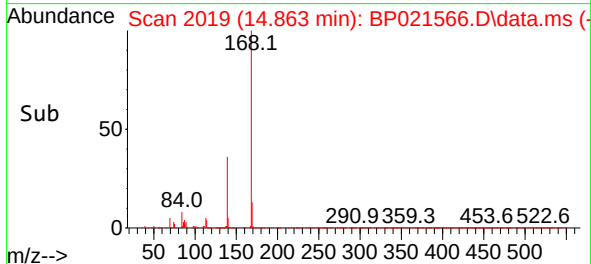
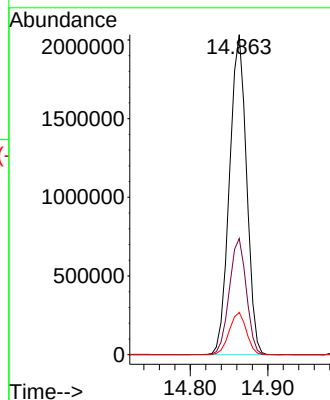
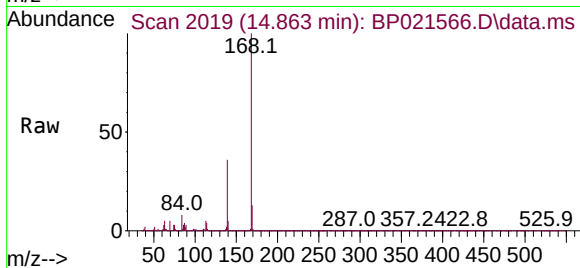
169 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#56

4-Nitrophenol

Concen: 53.424 ng

RT: 14.657 min Scan# 1984

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

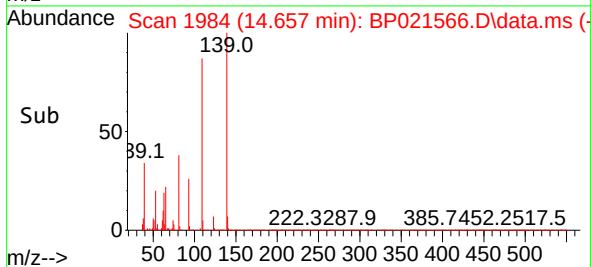
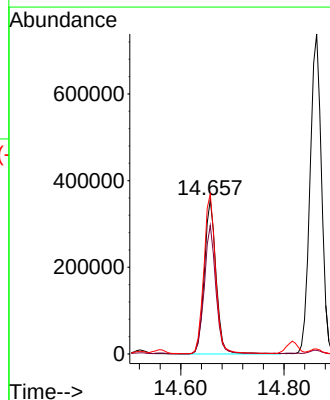
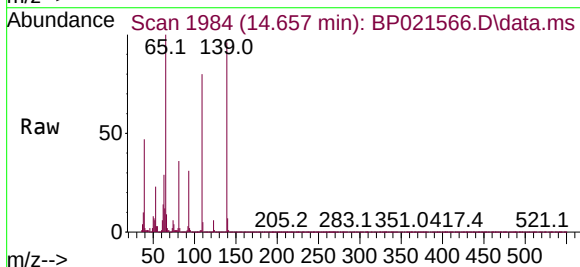
Tgt Ion:139 Resp: 556879

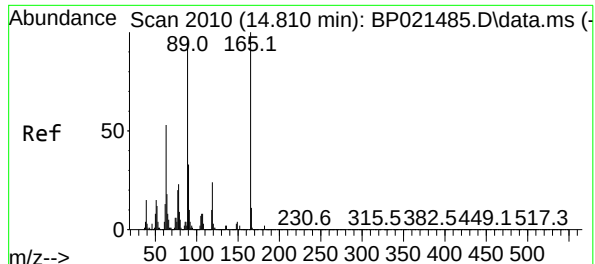
Ion Ratio Lower Upper

139 100

109 83.4 70.2 110.2

65 103.7 101.8 141.8





#57

2,4-Dinitrotoluene

Concen: 49.320 ng

RT: 14.816 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 825714

Ion Ratio Lower Upper

165 100

63 45.1 42.5 63.7

89 83.3 77.1 115.7

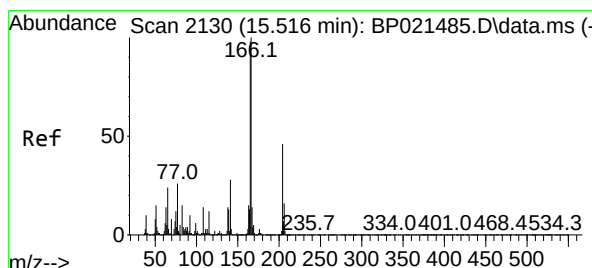
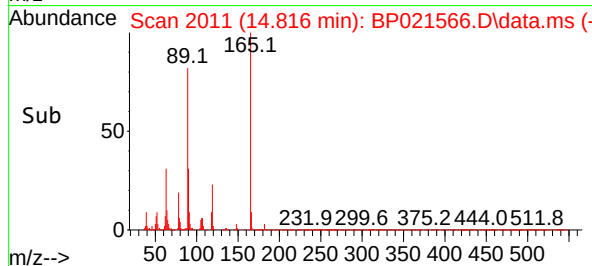
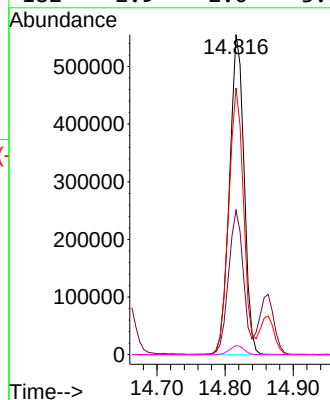
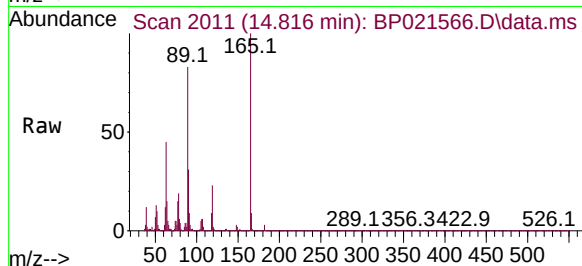
182 2.9 2.0 3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#58

Fluorene

Concen: 38.542 ng

RT: 15.528 min Scan# 2132

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

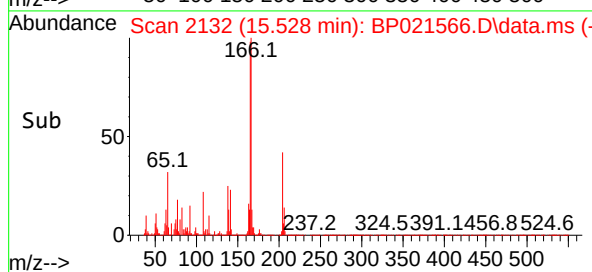
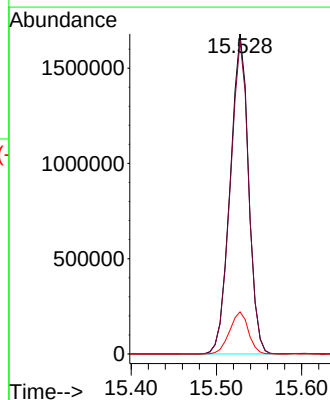
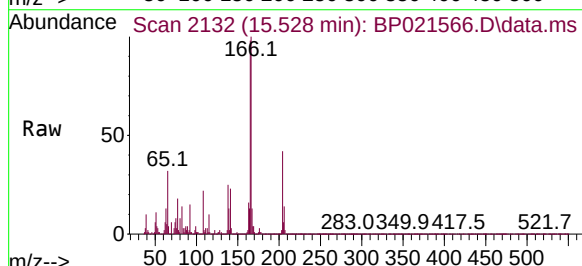
Tgt Ion:166 Resp: 2513424

Ion Ratio Lower Upper

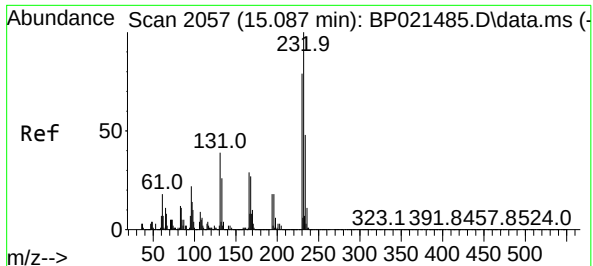
166 100

165 97.8 78.1 117.1

167 13.1 11.0 16.4

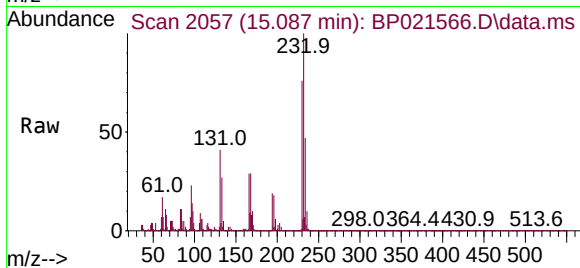






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.067 ng  
RT: 15.087 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

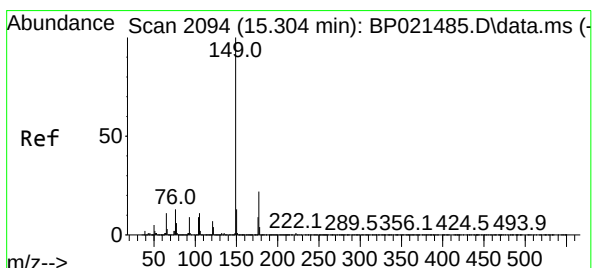
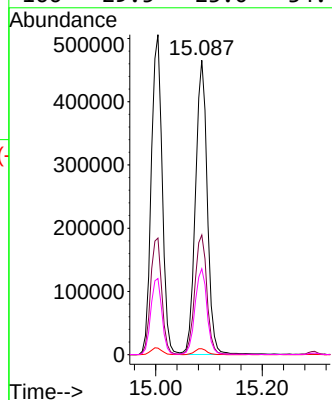
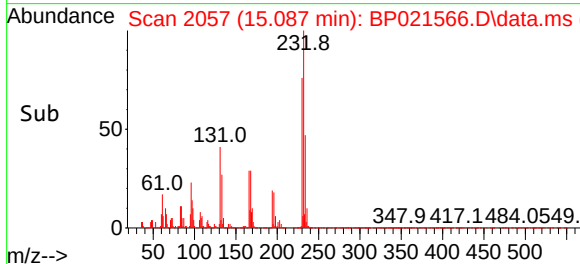
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:232 Resp: 71655  
Ion Ratio Lower Upper  
232 100  
131 41.5 33.1 49.7  
130 2.1 1.7 2.5  
166 29.5 23.0 34.4

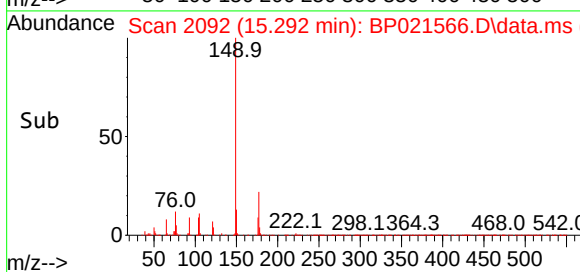
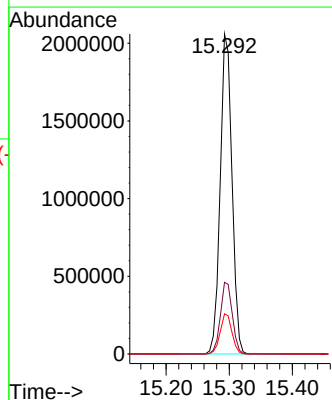
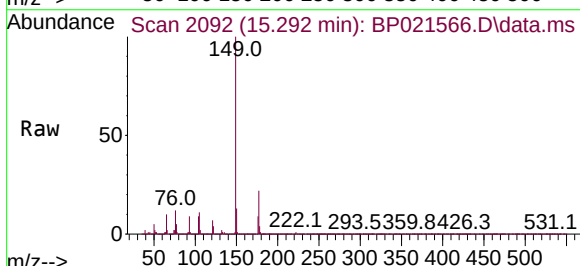
Manual Integrations  
APPROVED

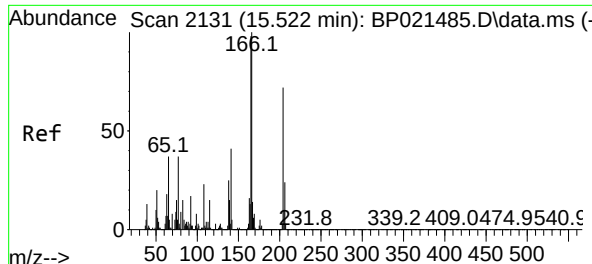
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#60  
Diethylphthalate  
Concen: 39.800 ng  
RT: 15.292 min Scan# 2092  
Delta R.T. -0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

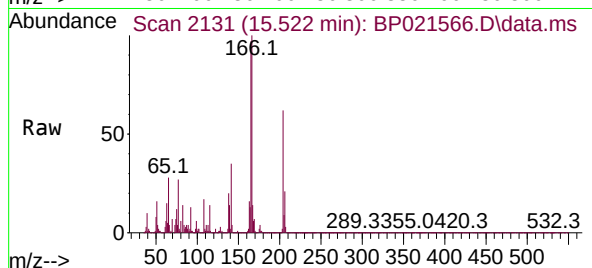
Tgt Ion:149 Resp: 2656153  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.8 26.8  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 37.093 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. -0.000 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

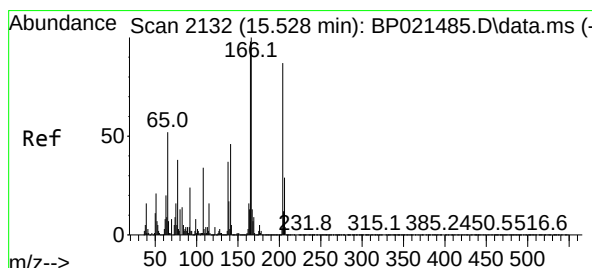
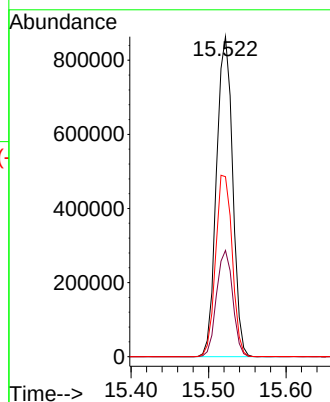
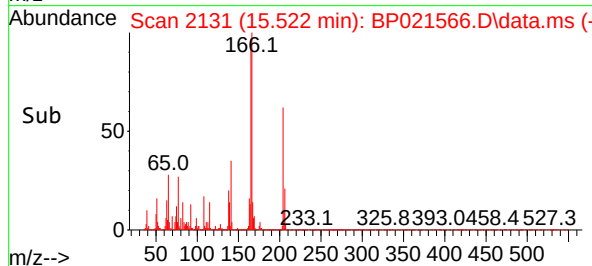
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 204 Resp: 125036  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.4 39.6  
141 56.2 46.1 69.1

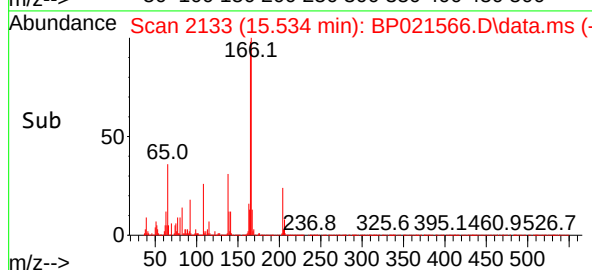
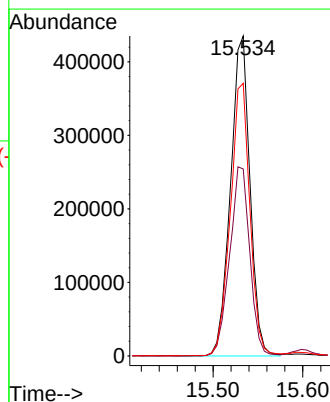
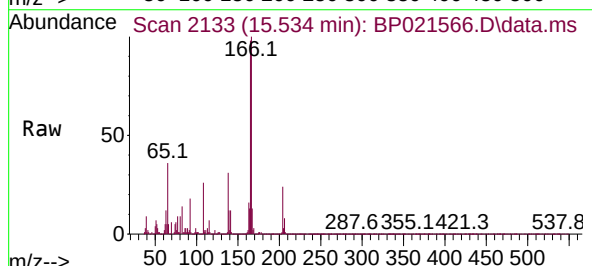
Manual Integrations  
APPROVED

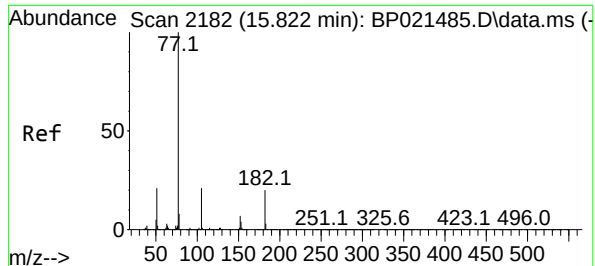
Reviewed By : Yogesh Patel 08/21/2024  
Supervised By : mohammad ahmed 08/22/2024



#62  
4-Nitroaniline  
Concen: 49.265 ng  
RT: 15.534 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion: 138 Resp: 654363  
Ion Ratio Lower Upper  
138 100  
92 58.4 46.4 86.4  
108 85.2 73.2 113.2





#63

Azobenzene

Concen: 34.913 ng

RT: 15.816 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 2864100

Ion Ratio Lower Upper

77 100

182 22.0 0.0 39.9

105 22.3 0.9 40.9

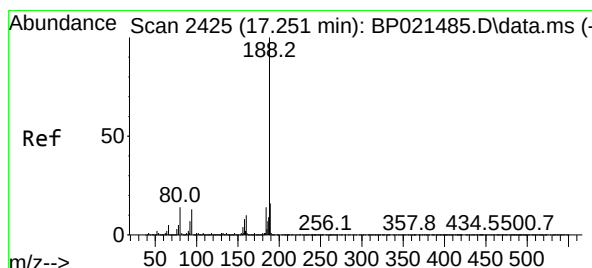
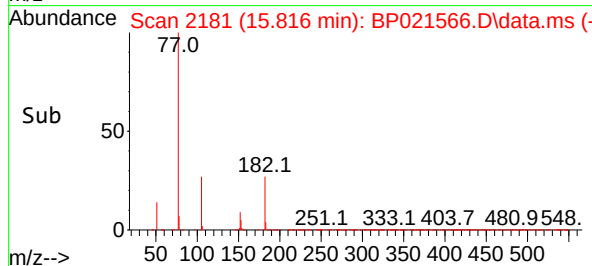
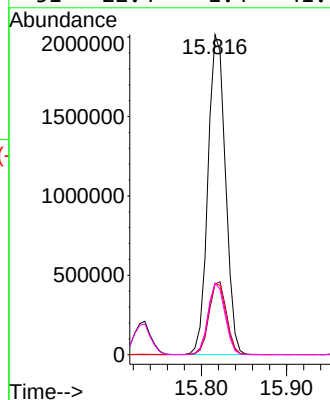
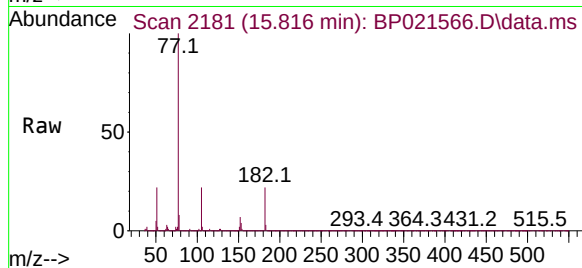
51 22.4 1.4 41.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2427

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

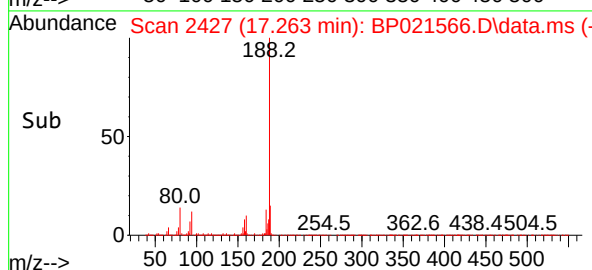
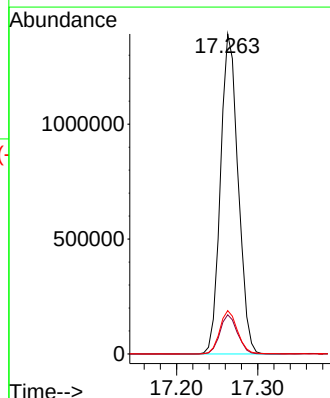
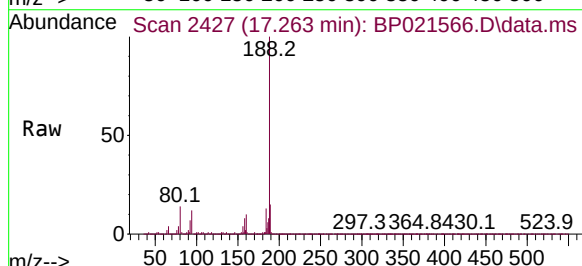
Tgt Ion:188 Resp: 2102943

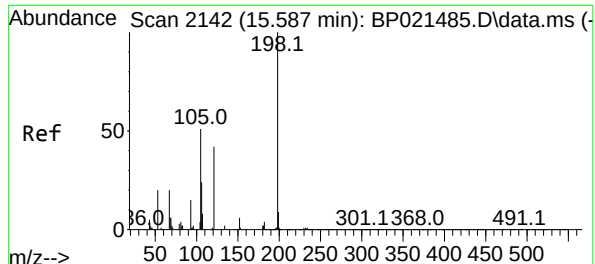
Ion Ratio Lower Upper

188 100

94 12.3 10.2 15.4

80 13.5 11.6 17.4





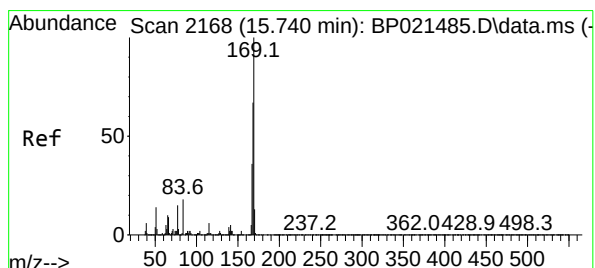
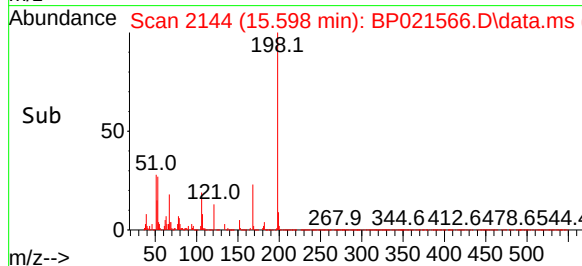
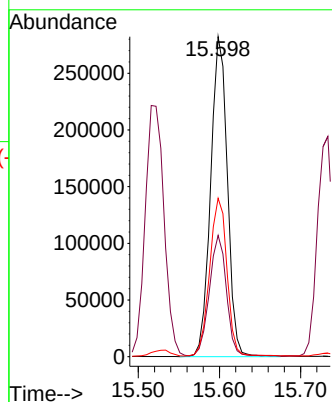
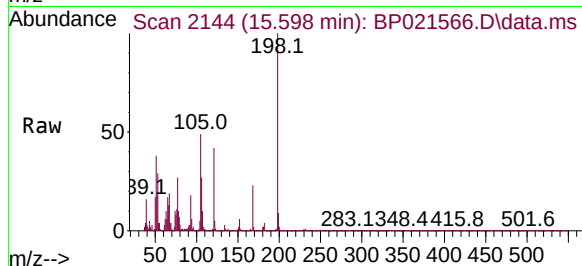
#65  
4,6-Dinitro-2-methylphenol  
Concen: 58.939 ng  
RT: 15.598 min Scan# 2144  
Delta R.T. 0.011 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Tgt Ion:198 Resp: 403578  
Ion Ratio Lower Upper  
198 100  
51 37.9 21.5 61.5  
105 49.5 32.9 72.9

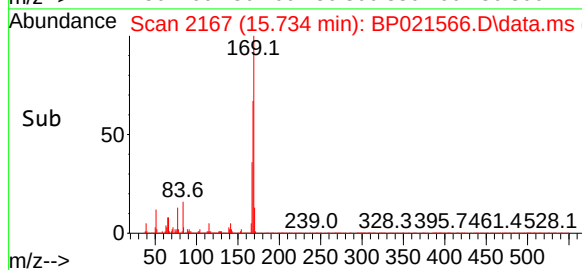
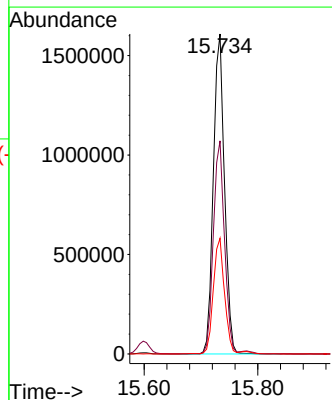
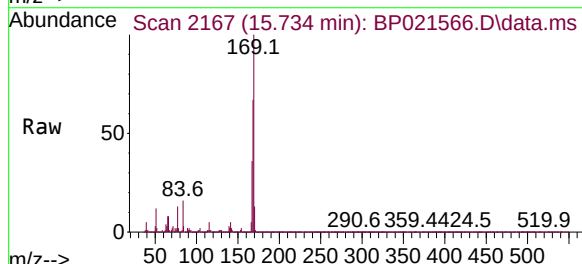
Manual Integrations  
APPROVED

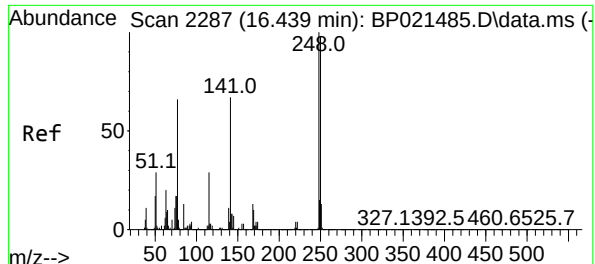
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#66  
n-Nitrosodiphenylamine  
Concen: 38.672 ng  
RT: 15.734 min Scan# 2167  
Delta R.T. -0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion:169 Resp: 2179381  
Ion Ratio Lower Upper  
169 100  
168 66.6 53.4 80.2  
167 36.2 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 37.531 ng  
RT: 16.434 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

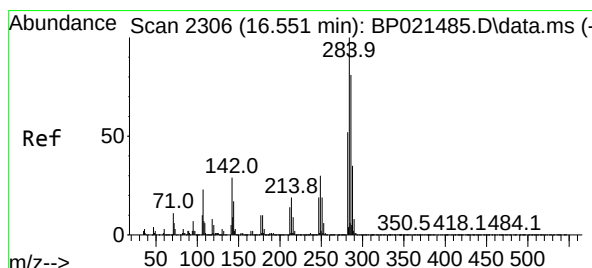
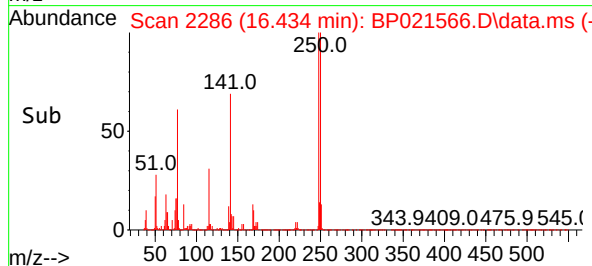
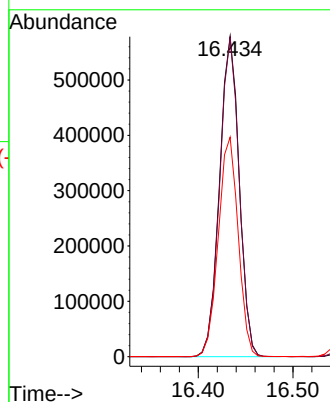
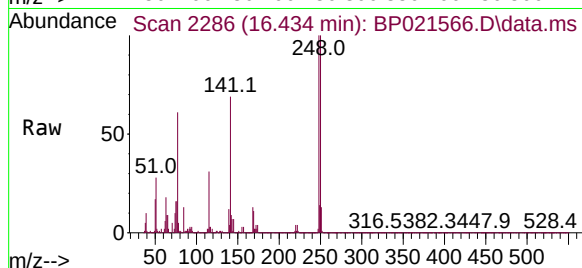
Tgt Ion:248 Resp: 835310  
Ion Ratio Lower Upper  
248 100  
250 99.6 78.6 117.8  
141 68.6 53.9 80.9

Manual Integrations

APPROVED

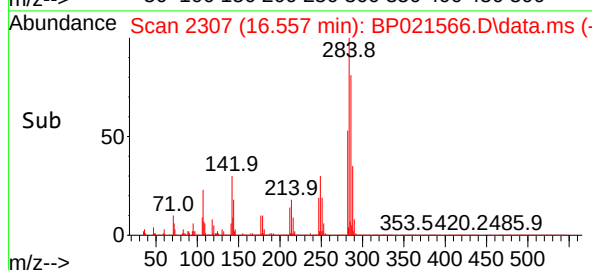
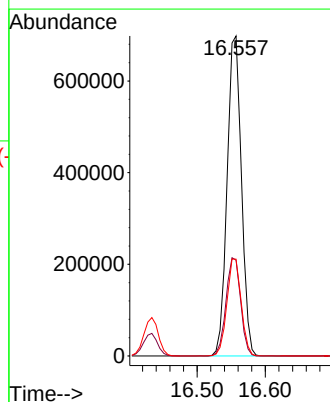
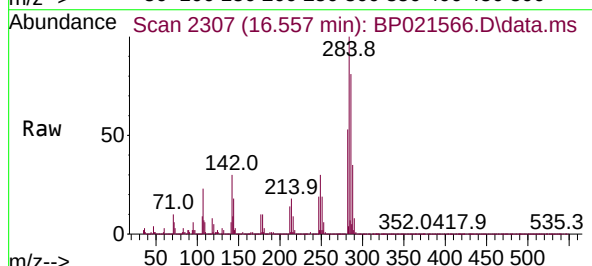
Reviewed By :Yogesh Patel 08/21/2024

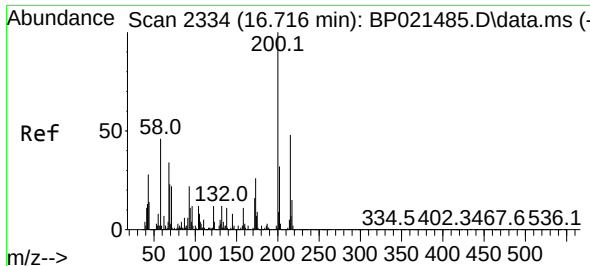
Supervised By :mohammad ahmed 08/22/2024



#68  
Hexachlorobenzene  
Concen: 38.748 ng  
RT: 16.557 min Scan# 2307  
Delta R.T. 0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion:284 Resp: 1019155  
Ion Ratio Lower Upper  
284 100  
142 29.9 23.4 35.2  
249 30.2 24.1 36.1





#69

Atrazine

Concen: 33.020 ng

RT: 16.710 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

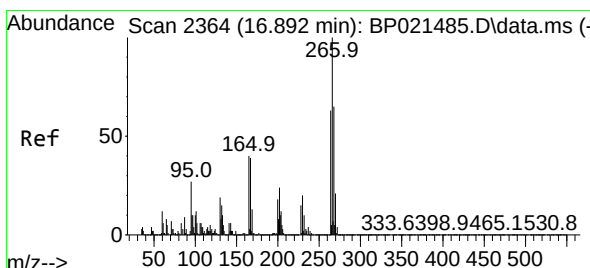
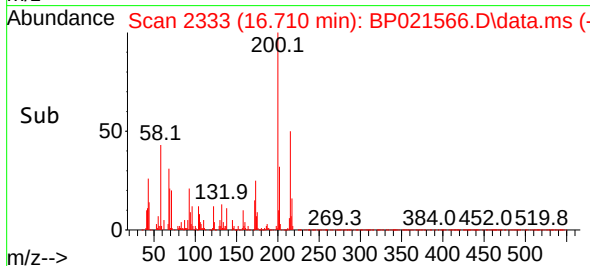
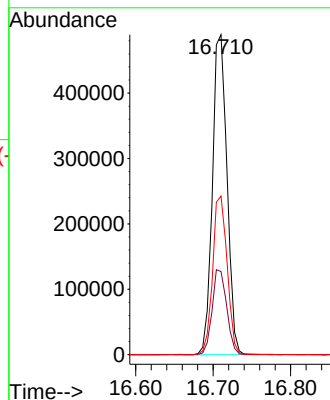
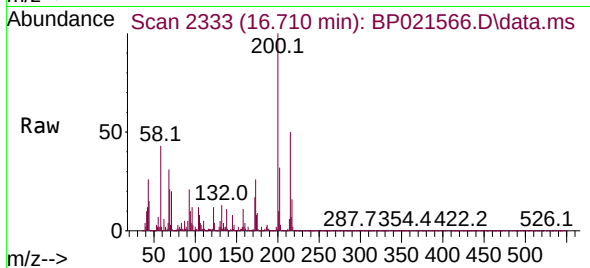
SSTDCCC040

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 63890 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 26.0  | 6.2   | 46.2  |
| 215       | 49.6  | 28.4  | 68.4  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#70

Pentachlorophenol

Concen: 49.739 ng

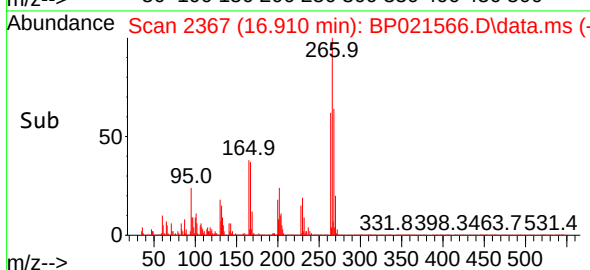
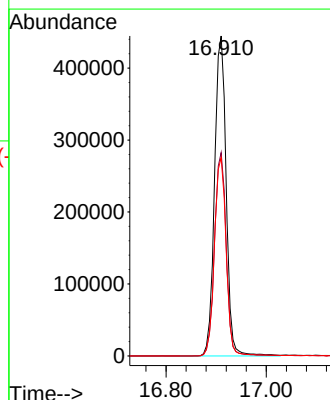
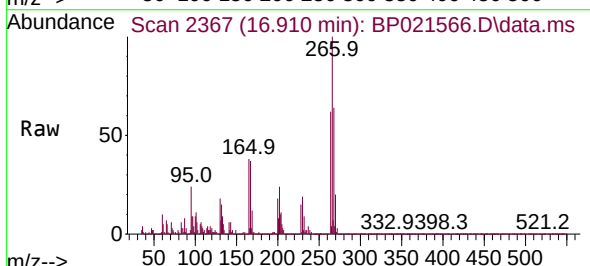
RT: 16.910 min Scan# 2367

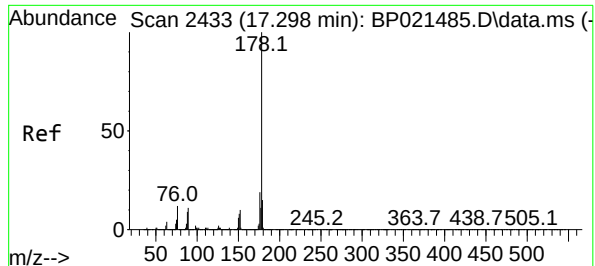
Delta R.T. 0.018 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

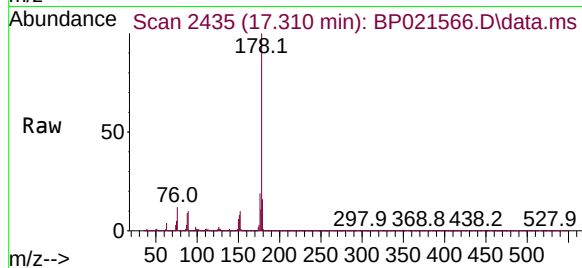
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 714044 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 63.5  | 51.8  | 77.6   |
| 264       | 61.9  | 50.5  | 75.7   |





#71  
Phenanthrene  
Concen: 39.548 ng  
RT: 17.310 min Scan# 2435  
Delta R.T. 0.012 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

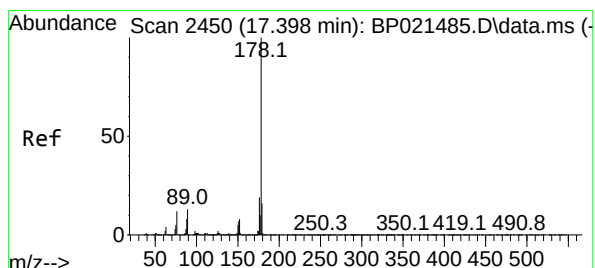
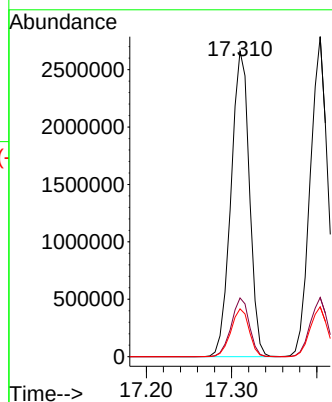
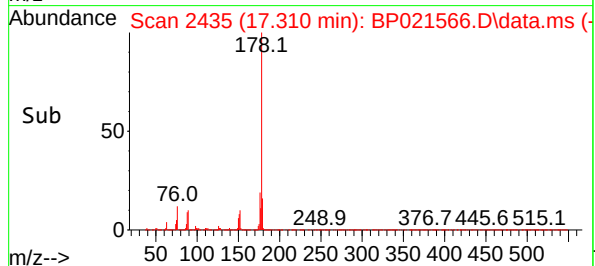
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:178 Resp: 399969  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.2  
179 15.7 12.4 18.6

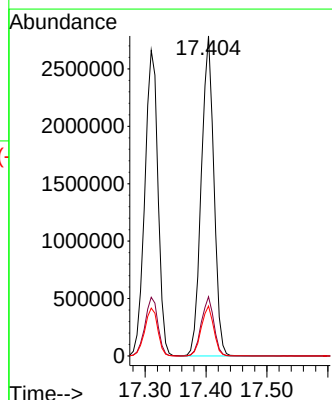
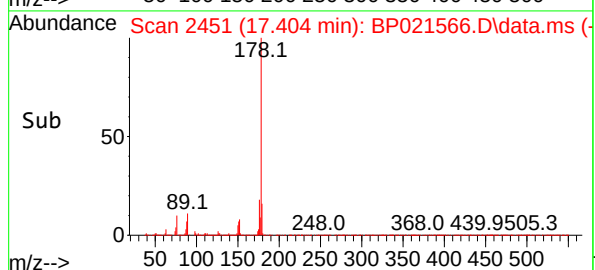
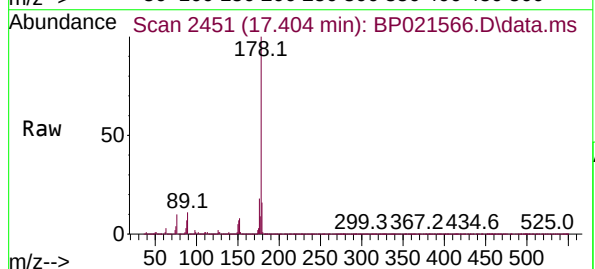
Manual Integrations  
APPROVED

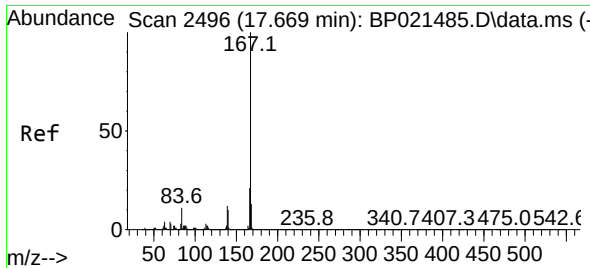
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#72  
Anthracene  
Concen: 40.140 ng  
RT: 17.404 min Scan# 2451  
Delta R.T. 0.006 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

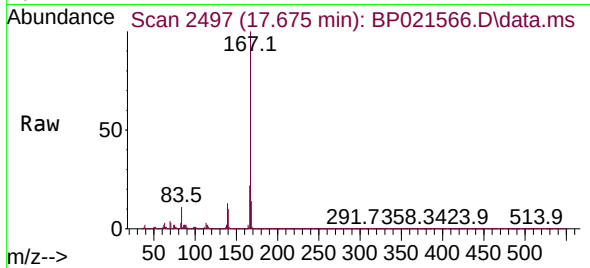
Tgt Ion:178 Resp: 3981334  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.6 12.5 18.7





#73  
 Carbazole  
 Concen: 41.294 ng  
 RT: 17.675 min Scan# 2496  
 Delta R.T. 0.006 min  
 Lab File: BP021566.D  
 Acq: 20 Aug 2024 10:07

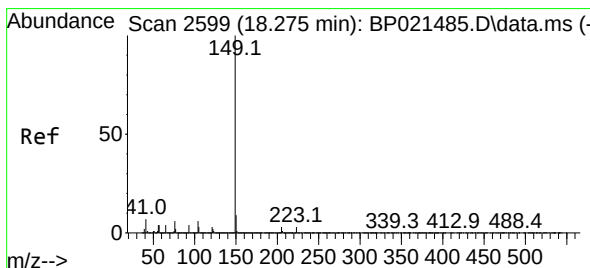
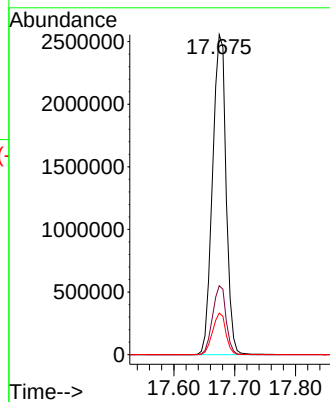
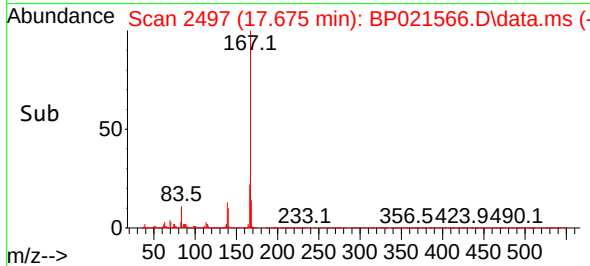
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040



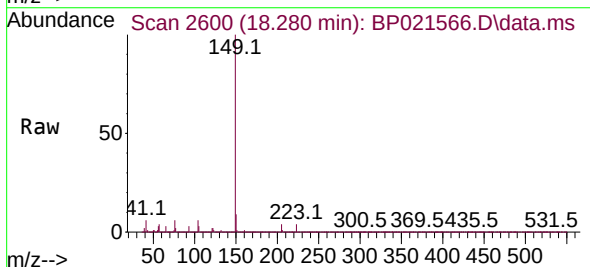
Tgt Ion:167 Resp: 394715  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.0 25.4  
 139 13.0 9.9 14.9

Manual Integrations  
 APPROVED

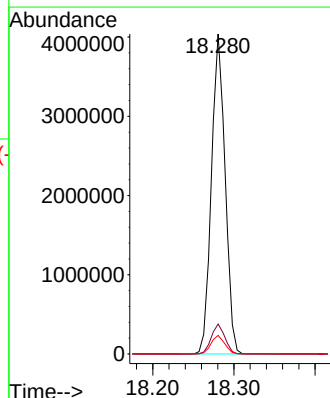
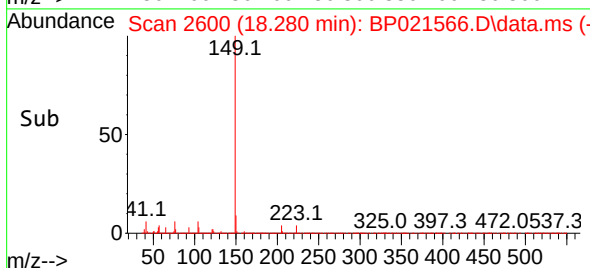
Reviewed By :Yogesh Patel 08/21/2024  
 Supervised By :mohammad ahmed 08/22/2024



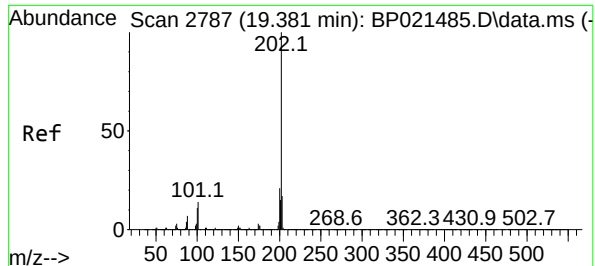
#74  
 Di-n-butylphthalate  
 Concen: 40.166 ng  
 RT: 18.280 min Scan# 2600  
 Delta R.T. 0.006 min  
 Lab File: BP021566.D  
 Acq: 20 Aug 2024 10:07



Tgt Ion:149 Resp: 4715211  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.5 11.3  
 104 5.8 4.9 7.3







#75

Fluoranthene

Concen: 41.572 ng

RT: 19.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:202 Resp: 515875

Ion Ratio Lower Upper

202 100

101 14.3 0.0 34.0

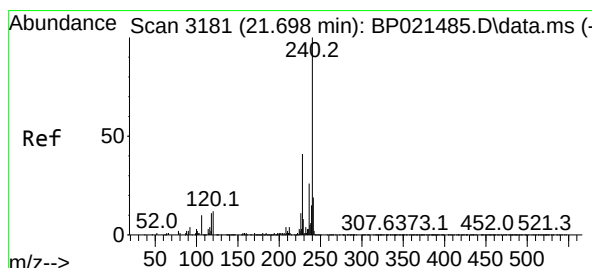
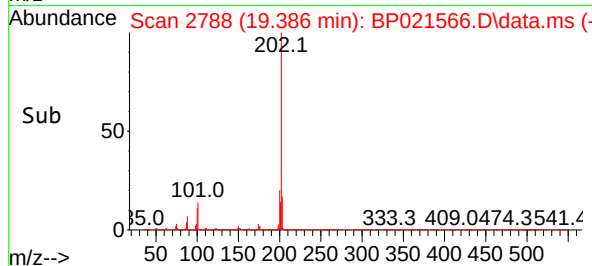
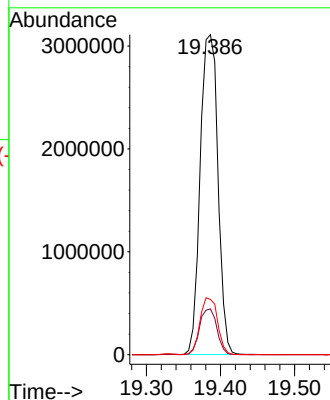
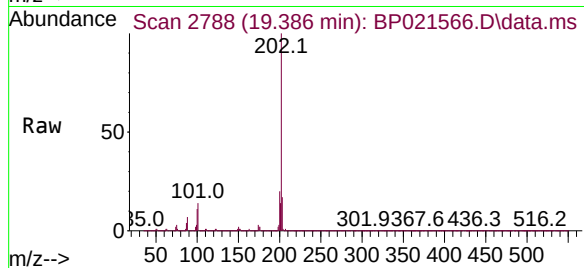
203 17.2 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.727 min Scan# 3186

Delta R.T. 0.029 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

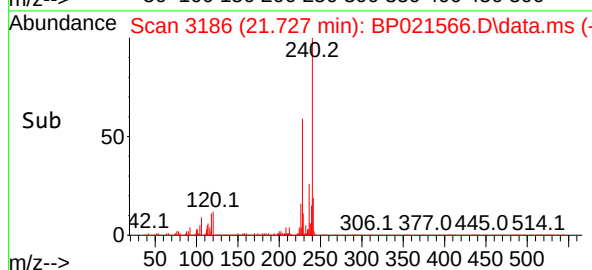
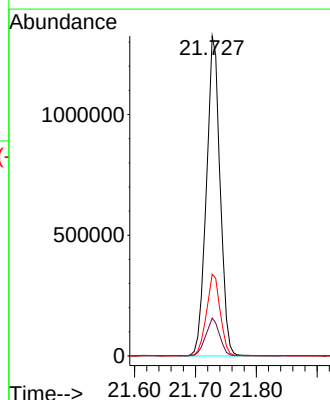
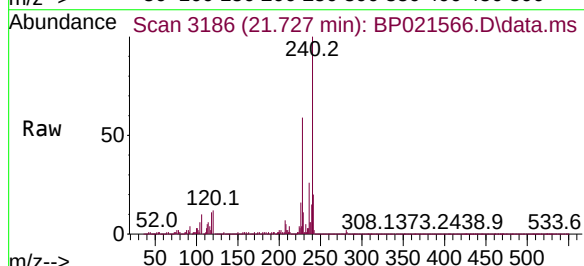
Tgt Ion:240 Resp: 2067038

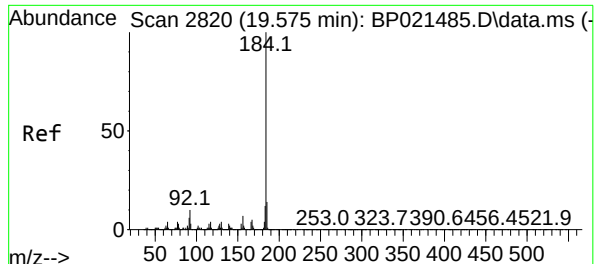
Ion Ratio Lower Upper

240 100

120 11.9 9.9 14.9

236 25.5 20.6 30.8





#77

Benzidine

Concen: 43.787 ng

RT: 19.580 min Scan# 2821

Delta R.T. 0.005 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 209225

Ion Ratio Lower Upper

184 100

185 14.0 11.4 17.0

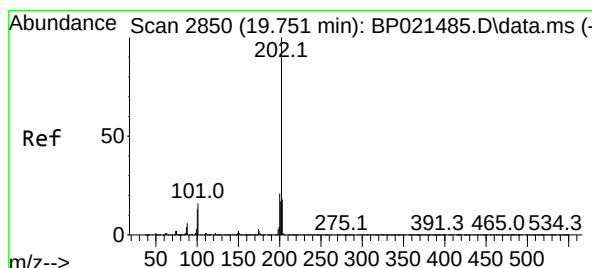
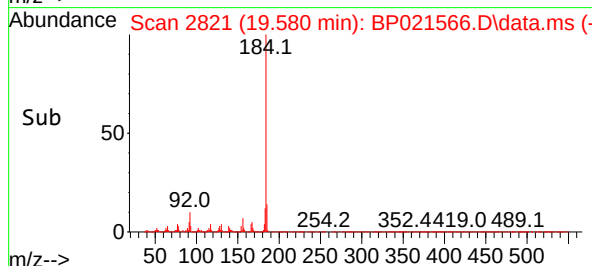
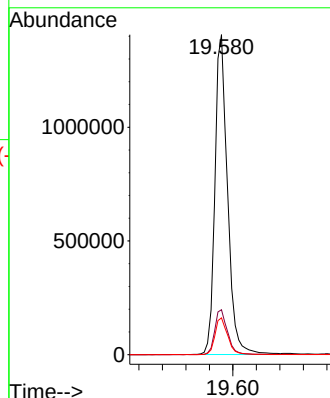
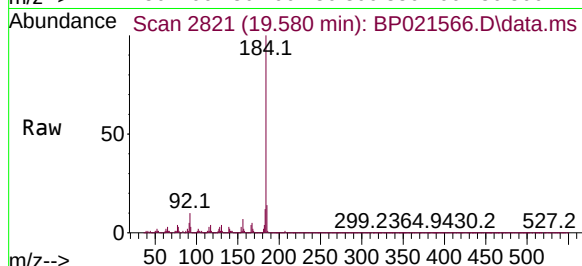
183 11.5 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#78

Pyrene

Concen: 39.398 ng

RT: 19.763 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

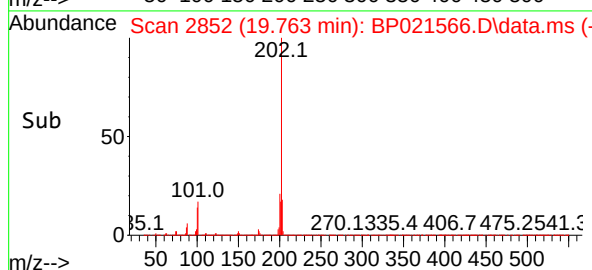
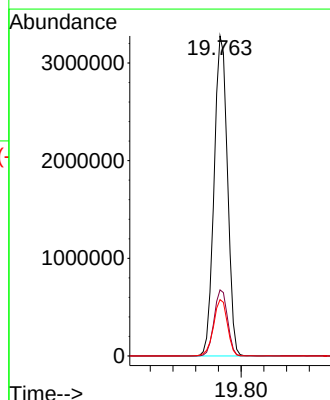
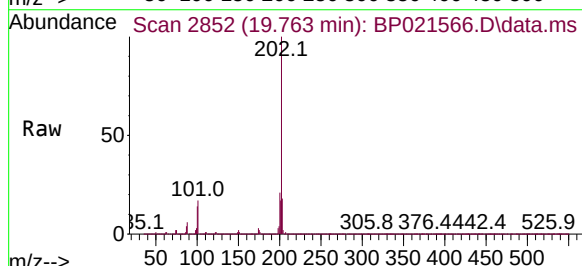
Tgt Ion:202 Resp: 5322876

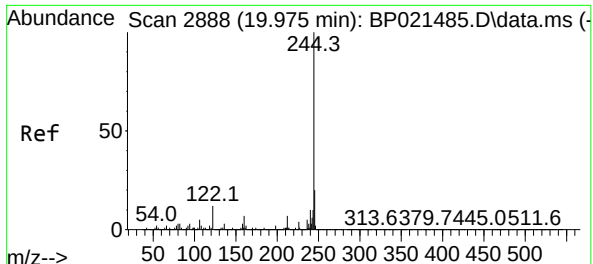
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 74.156 ng

RT: 19.992 min Scan# 2891

Delta R.T. 0.017 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 7890058

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

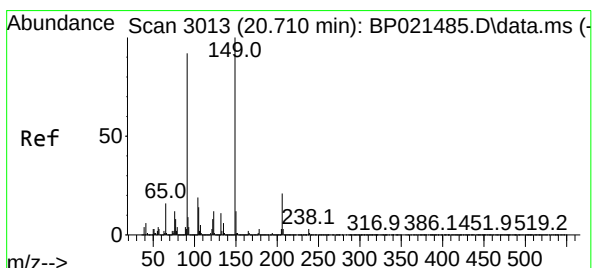
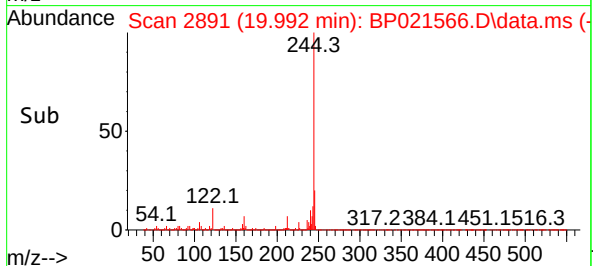
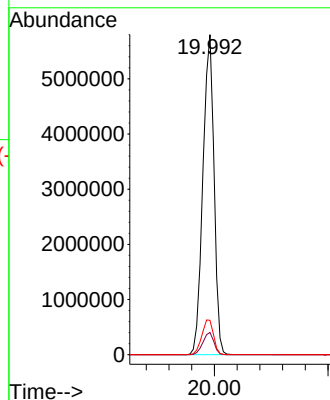
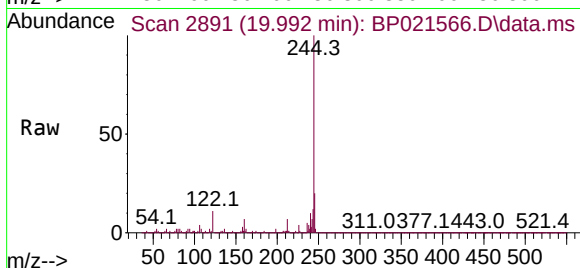
122 10.7 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#80

Butylbenzylphthalate

Concen: 43.672 ng

RT: 20.716 min Scan# 3014

Delta R.T. 0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

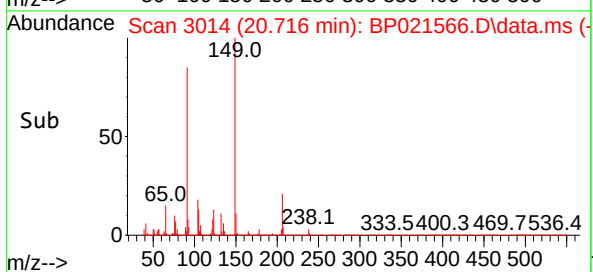
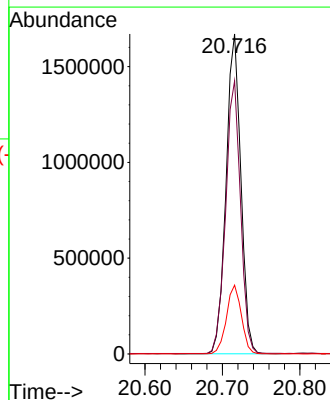
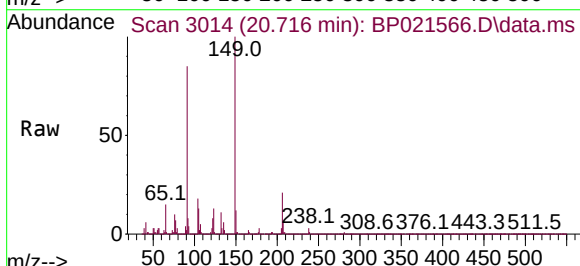
Tgt Ion:149 Resp: 2221372

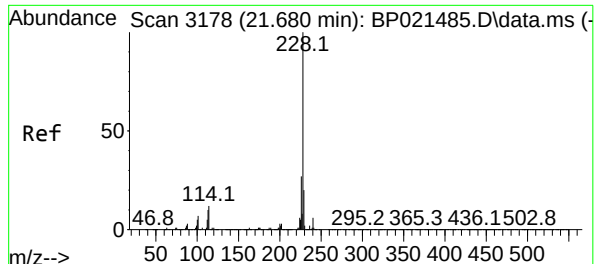
Ion Ratio Lower Upper

149 100

91 85.3 73.3 109.9

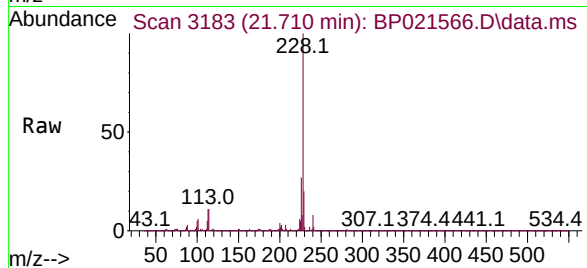
206 21.5 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 40.003 ng  
RT: 21.710 min Scan# 3178  
Delta R.T. 0.029 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

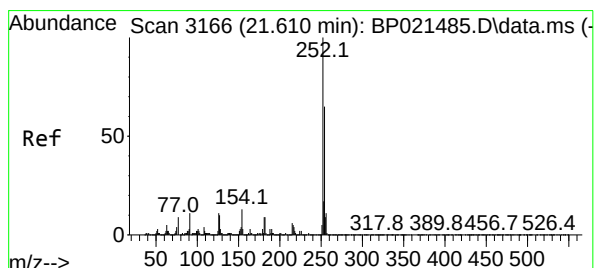
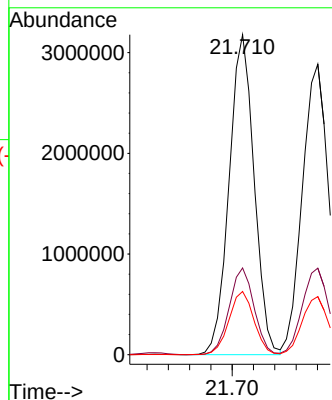
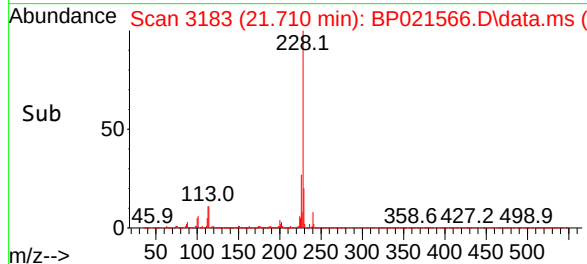
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:228 Resp: 519078  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.4 32.2  
229 19.7 15.8 23.6

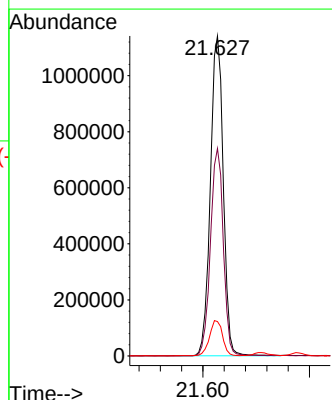
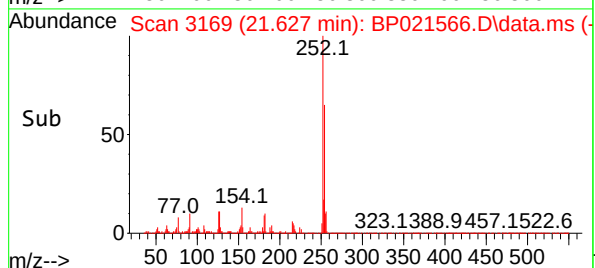
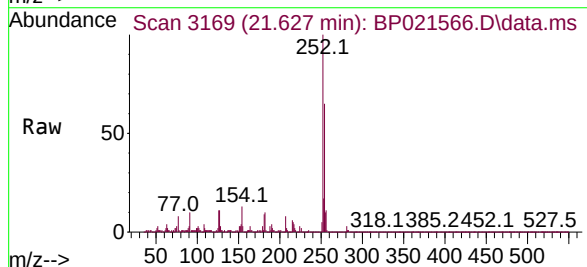
Manual Integrations  
APPROVED

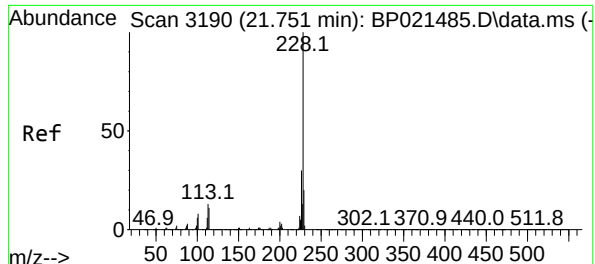
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 46.202 ng  
RT: 21.627 min Scan# 3169  
Delta R.T. 0.018 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion:252 Resp: 1922208  
Ion Ratio Lower Upper  
252 100  
254 64.9 51.7 77.5  
126 10.7 8.7 13.1





#83

Chrysene

Concen: 40.101 ng

RT: 21.780 min Scan# 3190

Delta R.T. 0.029 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 4912854

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

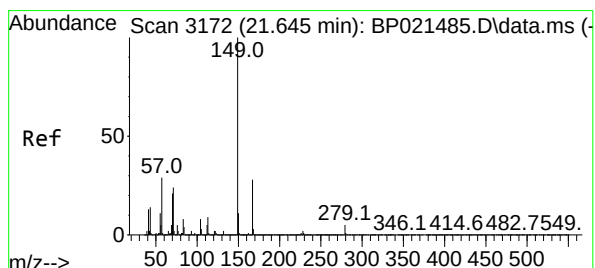
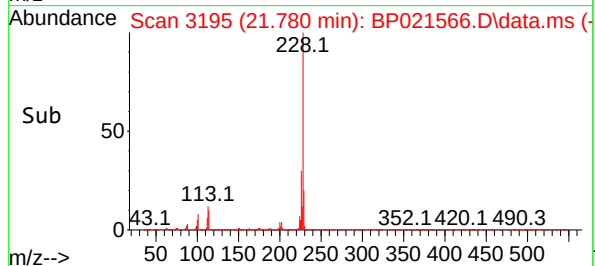
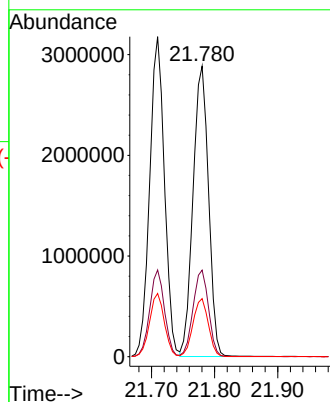
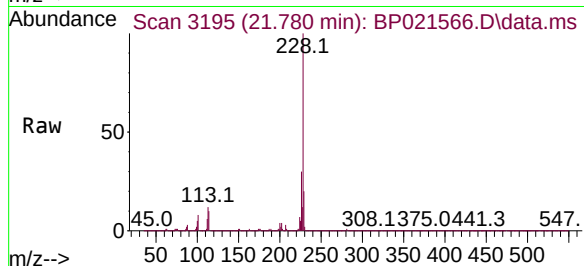
229 20.0 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.537 ng

RT: 21.663 min Scan# 3175

Delta R.T. 0.018 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

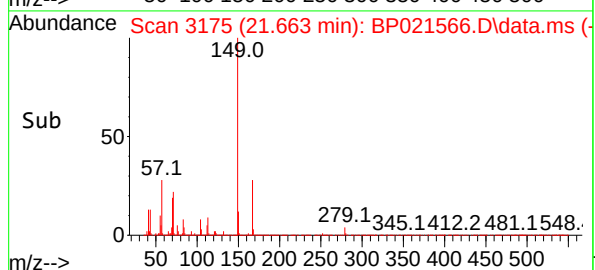
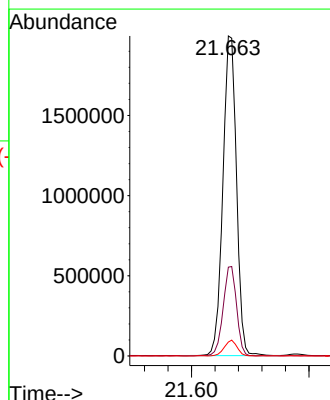
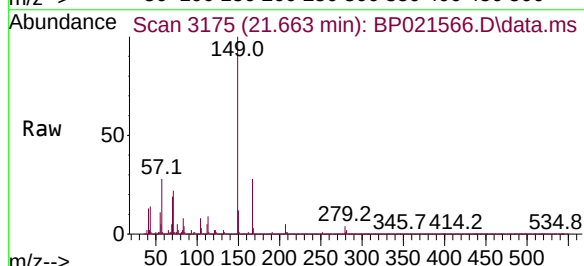
Tgt Ion:149 Resp: 3185624

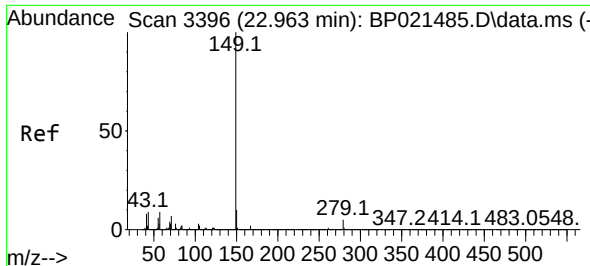
Ion Ratio Lower Upper

149 100

167 27.8 22.3 33.5

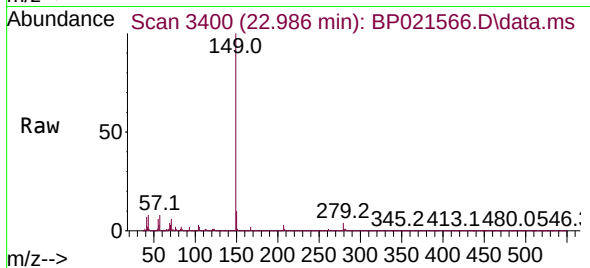
279 4.4 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 42.612 ng  
RT: 22.986 min Scan# 3400  
Delta R.T. 0.023 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

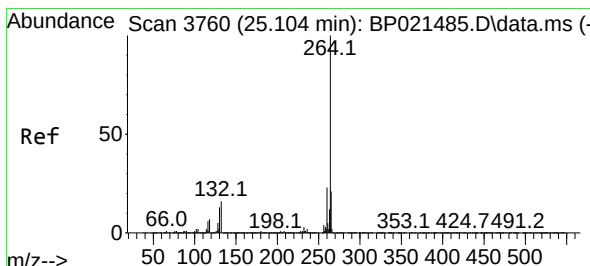
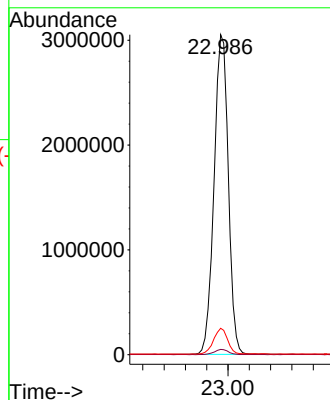
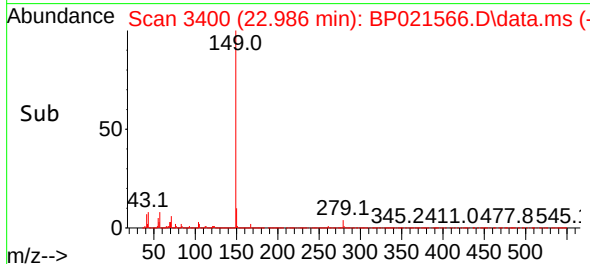
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:149 Resp: 5659478  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.9 7.3 10.9

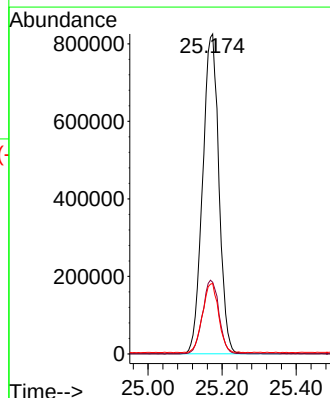
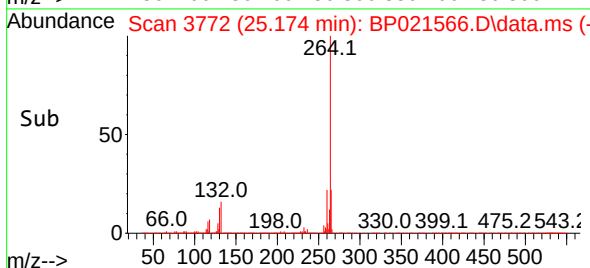
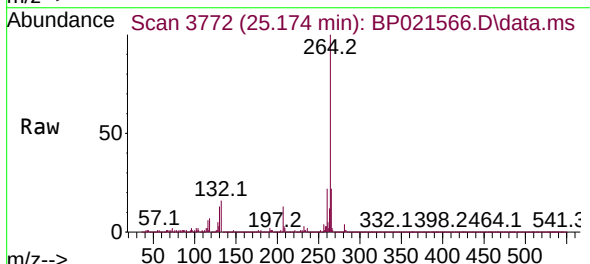
Manual Integrations  
APPROVED

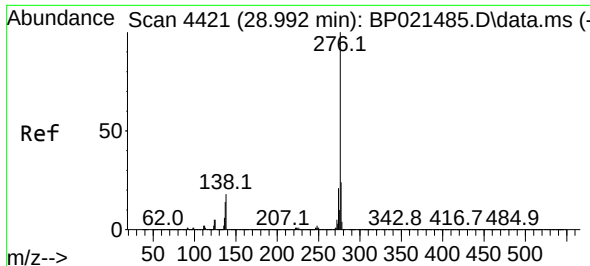
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.174 min Scan# 3772  
Delta R.T. 0.070 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

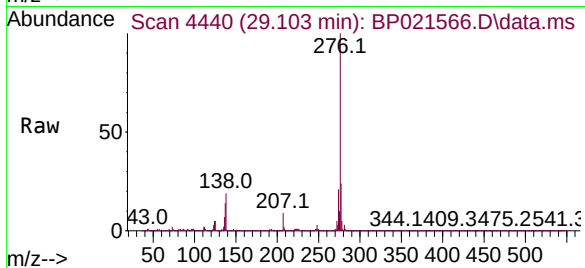
Tgt Ion:264 Resp: 2510089  
Ion Ratio Lower Upper  
264 100  
260 22.4 18.6 28.0  
265 22.1 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.860 ng m  
RT: 29.103 min Scan# 4421  
Delta R.T. 0.112 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

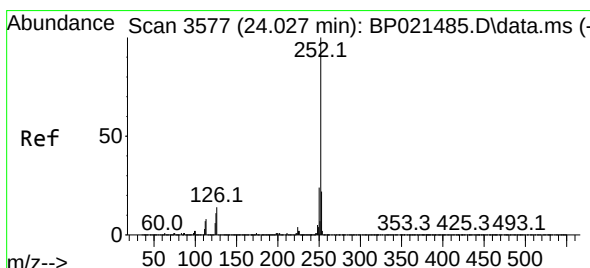
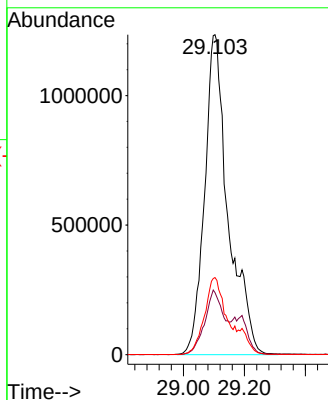
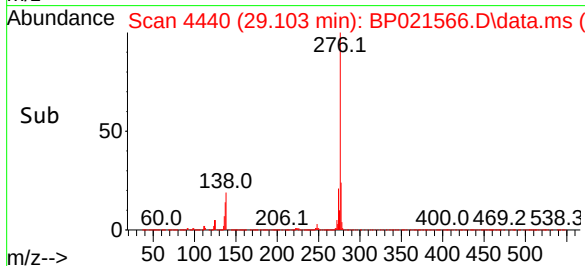
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 276 Resp: 664823  
Ion Ratio Lower Upper  
276 100  
138 16.2 12.8 19.2  
277 22.7 16.5 24.7

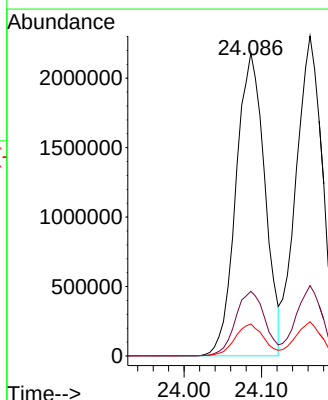
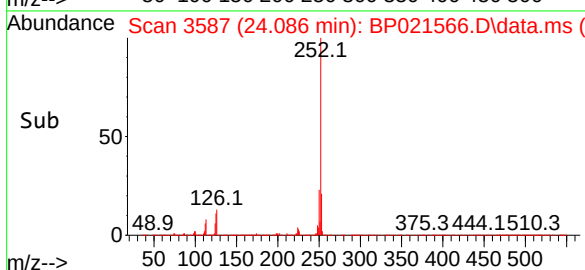
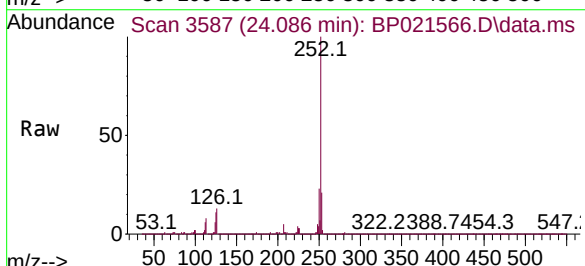
Manual Integrations  
APPROVED

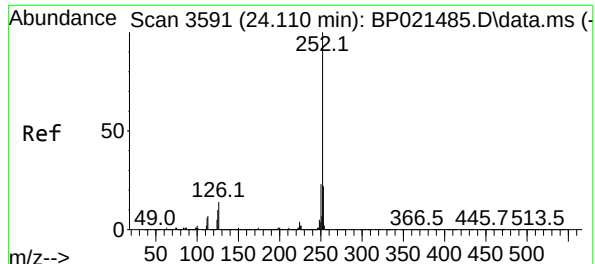
Reviewed By : Yogesh Patel 08/21/2024  
Supervised By : mohammad ahmed 08/22/2024



#88  
Benzo(b)fluoranthene  
Concen: 39.003 ng  
RT: 24.086 min Scan# 3587  
Delta R.T. 0.059 min  
Lab File: BP021566.D  
Acq: 20 Aug 2024 10:07

Tgt Ion: 252 Resp: 5622632  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.6 26.4  
125 10.6 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 38.710 ng

RT: 24.163 min Scan# 30

Delta R.T. 0.053 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 5443792

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

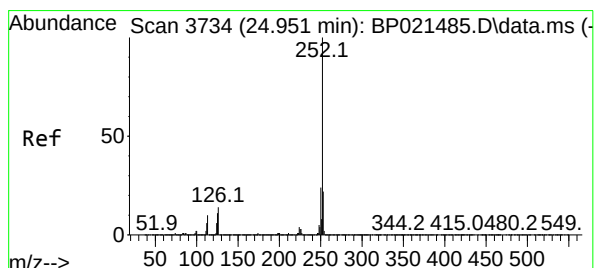
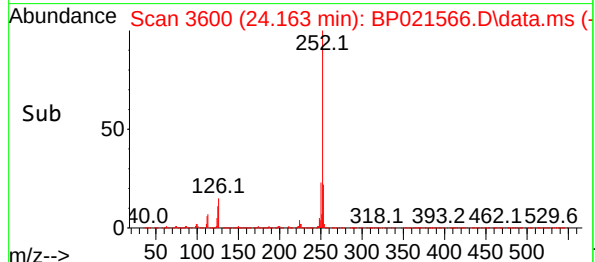
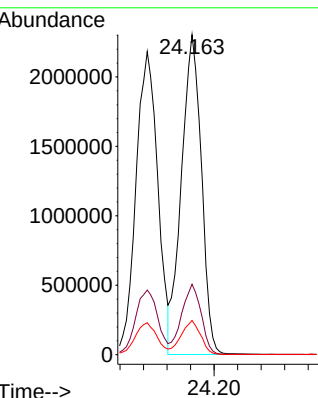
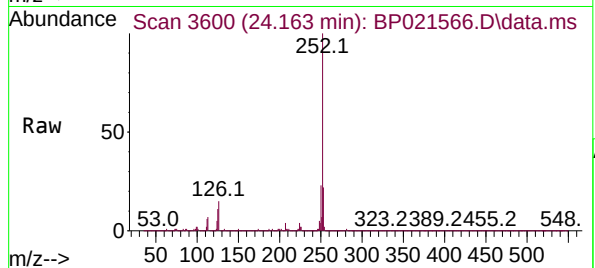
125 10.7 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#90

Benzo(a)pyrene

Concen: 40.145 ng

RT: 25.004 min Scan# 3743

Delta R.T. 0.053 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

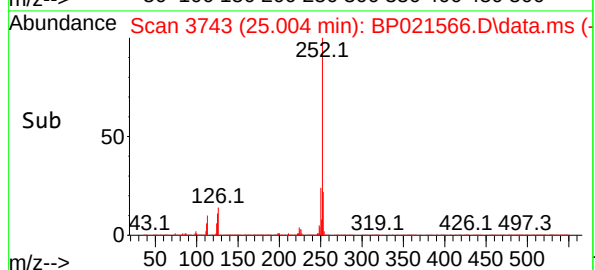
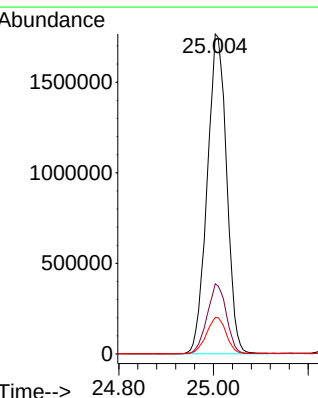
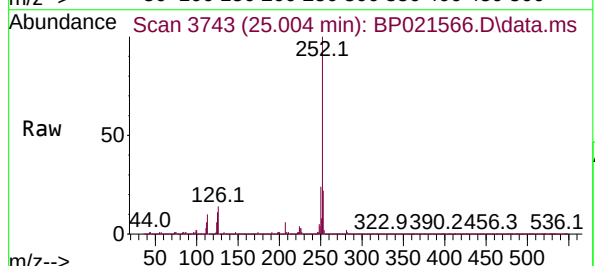
Tgt Ion:252 Resp: 5022273

Ion Ratio Lower Upper

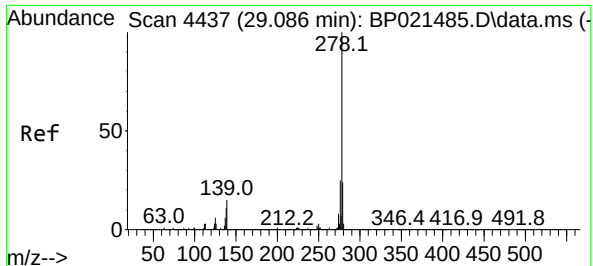
252 100

253 21.9 17.7 26.5

125 11.4 8.7 13.1







#91

Dibenzo(a,h)anthracene

Concen: 40.541 ng

RT: 29.192 min Scan# 4437

Delta R.T. 0.106 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 548081

Ion Ratio Lower Upper

278 100

139 15.3 12.2 18.4

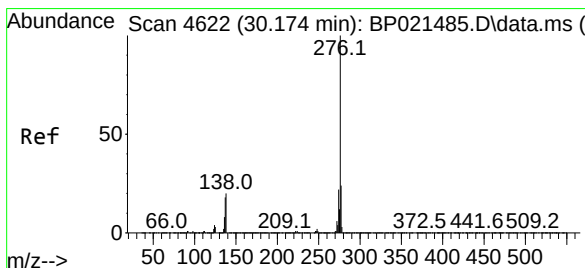
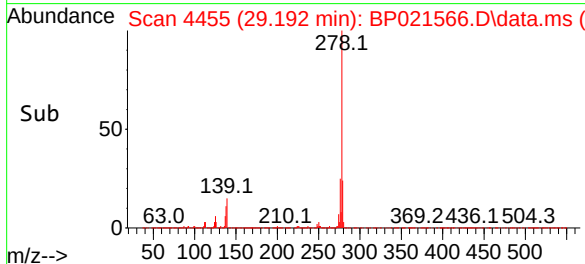
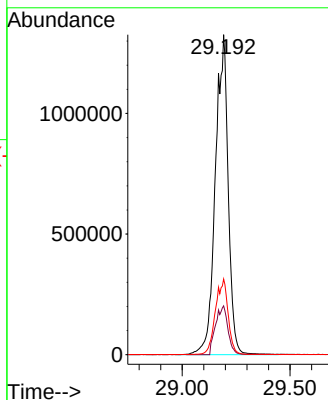
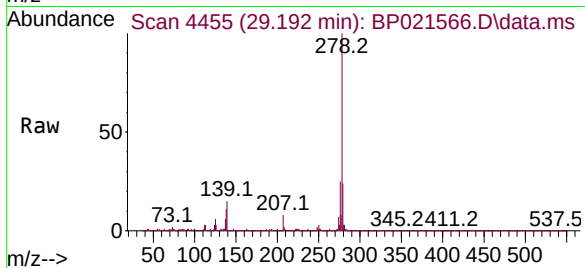
279 23.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#92

Benzo(g,h,i)perylene

Concen: 41.504 ng

RT: 30.309 min Scan# 4645

Delta R.T. 0.135 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

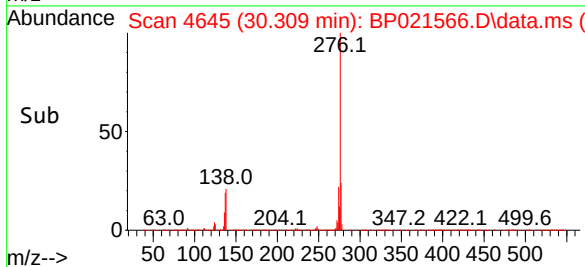
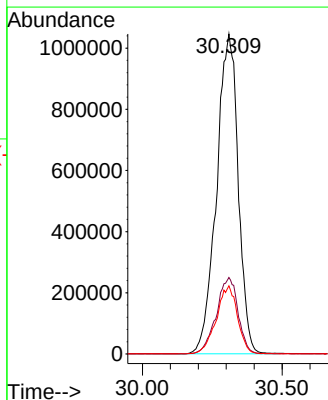
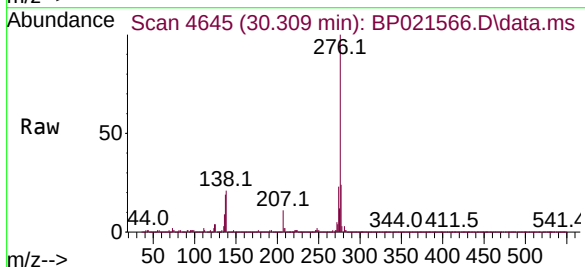
Tgt Ion:276 Resp: 5623792

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 21.3 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev    | Area% | Dev(min) |
|------|-----------------------------|-------|-------|---------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0     | 107   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.639 | 0.561 | 12.2    | 93    | 0.00     |
| 3    | Pyridine                    | 1.783 | 1.602 | 10.2    | 95    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.536 | 0.492 | 8.2     | 99    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.347 | 1.353 | -0.4    | 107   | 0.01     |
| 6    | Aniline                     | 1.964 | 1.799 | 8.4     | 97    | 0.00     |
| 7 S  | Phenol-d6                   | 1.965 | 1.932 | 1.7     | 104   | 0.01     |
| 8    | 2-Chlorophenol              | 1.245 | 1.295 | -4.0    | 111   | 0.00     |
| 9    | Benzaldehyde                | 1.258 | 1.358 | -7.9    | 121   | 0.00     |
| 10 C | Phenol                      | 2.035 | 1.947 | 4.3     | 102   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.722 | 1.542 | 10.5    | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.479 | 1.438 | 2.8     | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.493 | 1.457 | 2.4     | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.385 | 3.8     | 105   | 0.00     |
| 15   | Benzyl Alcohol              | 1.410 | 1.348 | 4.4     | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.585 | 1.383 | 12.7    | 96    | 0.00     |
| 17   | 2-Methylphenol              | 1.286 | 1.272 | 1.1     | 105   | 0.01     |
| 18   | Hexachloroethane            | 0.599 | 0.597 | 0.3     | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.357 | 1.109 | 18.3    | 88    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.734 | 1.797 | -3.6    | 109   | 0.01     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0     | 105   | 0.00     |
| 22   | Acetophenone                | 0.614 | 0.584 | 4.9     | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.387 | 0.426 | -10.1   | 109   | 0.00     |
| 24   | Nitrobenzene                | 0.421 | 0.432 | -2.6    | 103   | 0.00     |
| 25   | Isophorone                  | 0.915 | 0.803 | 12.2    | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.086 | 0.165 | -91.9#  | 185#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.226 | 0.229 | -1.3    | 107   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.559 | 0.505 | 9.7     | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.267 | 0.300 | -12.4   | 116   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.342 | 0.332 | 2.9     | 103   | 0.00     |
| 31   | Naphthalene                 | 1.045 | 1.030 | 1.4     | 104   | 0.00     |
| 32   | Benzoic acid                | 0.137 | 0.274 | -100.0# | 223#  | 0.02     |
| 33   | 4-Chloroaniline             | 0.392 | 0.398 | -1.5    | 106   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.208 | 3.3     | 102   | 0.00     |
| 35   | Caprolactam                 | 0.111 | 0.130 | -17.1   | 120   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 0.370 | 0.406 | -9.7    | 112   | 0.01     |
| 37   | 2-Methylnaphthalene         | 0.713 | 0.693 | 2.8     | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.703 | 0.682 | 3.0     | 103   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0     | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.559 | 4.6     | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.186 | 0.235 | -26.3#  | 134   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.223 | 0.267 | -19.7   | 123   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.326 | 0.378 | -16.0   | 120   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.362 | 0.427 | -18.0   | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.310 | 1.241 | 5.3     | 102   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.415 | 1.347 | 4.8     | 103   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.102 | 1.063 | 3.5     | 104   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev    | Area% | Dev(min) |
|------|----------------------------|-------|-------|---------|-------|----------|
| 48   | 2-Nitroaniline             | 0.256 | 0.363 | -41.8#  | 139   | 0.00     |
| 49   | Acenaphthylene             | 1.619 | 1.589 | 1.9     | 105   | 0.00     |
| 50   | Dimethylphthalate          | 1.339 | 1.328 | 0.8     | 107   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.232 | 0.306 | -31.9#  | 131   | -0.01    |
| 52 C | Acenaphthene               | 1.063 | 1.082 | -1.8    | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 0.228 | 0.323 | -41.7#  | 139   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 0.069 | 0.138 | -100.0# | 229#  | 0.01     |
| 55   | Dibenzofuran               | 1.635 | 1.602 | 2.0     | 106   | 0.00     |
| 56 P | 4-Nitrophenol              | 0.195 | 0.287 | -47.2#  | 155#  | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.284 | 0.425 | -49.6#  | 145   | 0.00     |
| 58   | Fluorene                   | 1.343 | 1.294 | 3.6     | 104   | 0.01     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.307 | 0.369 | -20.2   | 123   | 0.00     |
| 60   | Diethylphthalate           | 1.374 | 1.367 | 0.5     | 107   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 0.694 | 0.644 | 7.2     | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 0.241 | 0.337 | -39.8#  | 135   | 0.00     |
| 63   | Azobenzene                 | 1.689 | 1.474 | 12.7    | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0     | 110   | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.054 | 0.096 | -77.8#  | 203#  | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 0.536 | 0.518 | 3.4     | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.212 | 0.199 | 6.1     | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 0.250 | 0.242 | 3.2     | 106   | 0.00     |
| 69   | Atrazine                   | 0.184 | 0.152 | 17.4    | 88    | 0.00     |
| 70 C | Pentachlorophenol          | 0.137 | 0.170 | -24.1#  | 137   | 0.02     |
| 71   | Phenanthrene               | 0.962 | 0.951 | 1.1     | 109   | 0.01     |
| 72   | Anthracene                 | 0.943 | 0.947 | -0.4    | 110   | 0.00     |
| 73   | Carbazole                  | 0.909 | 0.938 | -3.2    | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 1.116 | 1.121 | -0.4    | 108   | 0.00     |
| 75 C | Fluoranthene               | 1.180 | 1.227 | -4.0    | 113   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0     | 114   | 0.03     |
| 77   | Benzydine                  | 0.420 | 0.506 | -20.5   | 121   | 0.00     |
| 78   | Pyrene                     | 1.307 | 1.288 | 1.5     | 113   | 0.01     |
| 79 S | Terphenyl-d14              | 1.029 | 0.954 | 7.3     | 108   | 0.02     |
| 80   | Butylbenzylphthalate       | 0.437 | 0.537 | -22.9   | 130   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.256 | 1.256 | 0.0     | 112   | 0.03     |
| 82   | 3,3'-Dichlorobenzidine     | 0.403 | 0.465 | -15.4   | 123   | 0.02     |
| 83   | Chrysene                   | 1.185 | 1.188 | -0.3    | 113   | 0.03     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.742 | 0.771 | -3.9    | 112   | 0.02     |
| 85 c | Di-n-octyl phthalate       | 1.199 | 1.369 | -14.2   | 125   | 0.02     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0     | 120   | 0.07     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.296 | 1.324 | -2.2    | 120   | 0.11     |
| 88   | Benzo(b)fluoranthene       | 1.149 | 1.120 | 2.5     | 117   | 0.06     |
| 89   | Benzo(k)fluoranthene       | 1.121 | 1.084 | 3.3     | 114   | 0.05     |
| 90 C | Benzo(a)pyrene             | 0.997 | 1.000 | -0.3    | 119   | 0.05     |
| 91   | Dibenzo(a,h)anthracene     | 1.077 | 1.092 | -1.4    | 119   | 0.11     |
| 92   | Benzo(g,h,i)perylene       | 1.080 | 1.120 | -3.7    | 122   | 0.14     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0    | 107   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 35.145 | 12.1   | 93    | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.932 | 10.2   | 95    | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 36.744 | 8.1    | 99    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 80.358 | -0.4   | 107   | 0.01     |
| 6    | Aniline                     | 40.000 | 36.630 | 8.4    | 97    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 78.656 | 1.7    | 104   | 0.01     |
| 8    | 2-Chlorophenol              | 40.000 | 41.611 | -4.0   | 111   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 43.178 | -7.9   | 121   | 0.00     |
| 10 C | Phenol                      | 40.000 | 38.270 | 4.3    | 102   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 35.826 | 10.4   | 97    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 38.912 | 2.7    | 106   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.044 | 2.4    | 106   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.497 | 3.8    | 105   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.244 | 4.4    | 102   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 34.893 | 12.8   | 96    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 39.549 | 1.1    | 105   | 0.01     |
| 18   | Hexachloroethane            | 40.000 | 39.861 | 0.3    | 107   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 32.677 | 18.3   | 88    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.450 | -3.6   | 109   | 0.01     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 105   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.996 | 5.0    | 101   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 87.927 | -9.9   | 109   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 41.074 | -2.7   | 103   | 0.00     |
| 25   | Isophorone                  | 40.000 | 35.068 | 12.3   | 93    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 56.961 | -42.4# | 185   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.576 | -1.4   | 107   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.141 | 9.6    | 97    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 44.986 | -12.5  | 116   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.855 | 2.9    | 103   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.431 | 1.4    | 104   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 64.703 | -61.8# | 223   | 0.02     |
| 33   | 4-Chloroaniline             | 40.000 | 40.535 | -1.3   | 106   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.600 | 3.5    | 102   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 46.800 | -17.0  | 120   | 0.02     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 43.882 | -9.7   | 112   | 0.01     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.859 | 2.9    | 104   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 38.775 | 3.1    | 103   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 109   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 38.147 | 4.6    | 103   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 50.596 | -26.5# | 134   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 95.950 | -19.9  | 123   | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 46.468 | -16.2  | 120   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 47.232 | -18.1  | 122   | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 75.740 | 5.3    | 102   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 38.080 | 4.8    | 103   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.599 | 3.5    | 104   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 47.106 | -17.8  | 139   | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 39.251 | 1.9    | 105   | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 39.669 | 0.8    | 107   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 45.498 | -13.7  | 131   | -0.01    |
| 52 C | Acenaphthene               | 40.000 | 40.738 | -1.8   | 110   | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 48.589 | -21.5  | 139   | -0.01    |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 65.093 | -62.7# | 229   | 0.01     |
| 55   | Dibenzofuran               | 40.000 | 39.211 | 2.0    | 106   | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 53.424 | -33.6# | 155   | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 49.320 | -23.3  | 145   | 0.00     |
| 58   | Fluorene                   | 40.000 | 38.542 | 3.6    | 104   | 0.01     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 48.067 | -20.2  | 123   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 39.800 | 0.5    | 107   | -0.01    |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.093 | 7.3    | 101   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 49.265 | -23.2  | 135   | 0.00     |
| 63   | Azobenzene                 | 40.000 | 34.913 | 12.7   | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 110   | 0.01     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 58.939 | -47.3# | 203   | 0.01     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.672 | 3.3    | 106   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.531 | 6.2    | 106   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.748 | 3.1    | 106   | 0.00     |
| 69   | Atrazine                   | 40.000 | 33.020 | 17.4   | 88    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 49.739 | -24.3# | 137   | 0.02     |
| 71   | Phenanthrene               | 40.000 | 39.548 | 1.1    | 109   | 0.01     |
| 72   | Anthracene                 | 40.000 | 40.140 | -0.4   | 110   | 0.00     |
| 73   | Carbazole                  | 40.000 | 41.294 | -3.2   | 111   | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 40.166 | -0.4   | 108   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.572 | -3.9   | 113   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 114   | 0.03     |
| 77   | Benzydine                  | 40.000 | 43.787 | -9.5   | 121   | 0.00     |
| 78   | Pyrene                     | 40.000 | 39.398 | 1.5    | 113   | 0.01     |
| 79 S | Terphenyl-d14              | 80.000 | 74.156 | 7.3    | 108   | 0.02     |
| 80   | Butylbenzylphthalate       | 40.000 | 43.672 | -9.2   | 130   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 40.003 | -0.0   | 112   | 0.03     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 46.202 | -15.5  | 123   | 0.02     |
| 83   | Chrysene                   | 40.000 | 40.101 | -0.3   | 113   | 0.03     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 41.537 | -3.8   | 112   | 0.02     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.612 | -6.5   | 125   | 0.02     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 120   | 0.07     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.860 | -2.1   | 120   | 0.11     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.003 | 2.5    | 117   | 0.06     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.710 | 3.2    | 114   | 0.05     |
| 90 C | Benzo(a)pyrene             | 40.000 | 40.145 | -0.4   | 119   | 0.05     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 40.541 | -1.4   | 119   | 0.11     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 41.504 | -3.8   | 122   | 0.14     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021566.D  
Acq On : 20 Aug 2024 10:07  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 2



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA\_P Calibration Date/Time: 08/20/2024 16:40

Lab File ID: BP021575.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

| COMPOUND                     | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|------------------------------|-------|--------|------------|-------|-------|
| Pyridine                     | 1.783 | 1.623  |            | -9.0  |       |
| 2-Fluorophenol               | 1.347 | 1.372  |            | 1.9   |       |
| Benzaldehyde                 | 1.258 | 1.392  |            | 10.7  |       |
| Phenol-d6                    | 1.965 | 1.965  |            | 0.0   |       |
| 2-Methylphenol               | 1.286 | 1.311  |            | 1.9   |       |
| Acetophenone                 | 0.614 | 0.576  |            | -6.2  |       |
| 3+4-Methylphenols            | 1.734 | 1.820  |            | 5.0   |       |
| Nitrobenzene-d5              | 0.387 | 0.421  |            | 8.8   |       |
| Nitrobenzene                 | 0.421 | 0.430  |            | 2.1   |       |
| 2,4-Dichlorophenol           | 0.267 | 0.303  |            | 13.5  | 20.0  |
| Naphthalene                  | 1.045 | 1.030  |            | -1.4  |       |
| Hexachlorobutadiene          | 0.215 | 0.206  |            | -4.2  | 20.0  |
| 2-Methylnaphthalene          | 0.713 | 0.699  |            | -2.0  |       |
| 2,4,6-Trichlorophenol        | 0.326 | 0.377  |            | 15.6  | 20.0  |
| 2-Fluorobiphenyl             | 1.310 | 1.212  |            | -7.5  |       |
| 2,4,5-Trichlorophenol        | 0.362 | 0.422  |            | 16.6  |       |
| Acenaphthylene               | 1.619 | 1.596  |            | -1.4  |       |
| Acenaphthene                 | 1.063 | 1.097  |            | 3.2   | 20.0  |
| Dibenzofuran                 | 1.635 | 1.623  |            | -0.7  |       |
| Fluorene                     | 1.343 | 1.311  |            | -2.4  |       |
| 2,4,6-Tribromophenol         | 0.223 | 0.265  |            | 18.8  |       |
| Hexachlorobenzene            | 0.250 | 0.240  |            | -4.0  |       |
| Pentachlorophenol            | 0.137 | 0.168  |            | 22.6  | 20.0  |
| Phenanthrene                 | 0.962 | 0.949  |            | -1.4  |       |
| Carbazole                    | 0.909 | 0.943  |            | 3.7   |       |
| Di-n-butylphthalate          | 1.116 | 1.161  |            | 4.0   |       |
| Fluoranthene                 | 1.180 | 1.230  |            | 4.2   | 20.0  |
| Pyrene                       | 1.307 | 1.267  |            | -3.1  |       |
| Terphenyl-d14                | 1.029 | 0.958  |            | -6.9  |       |
| Benzo (a) anthracene         | 1.256 | 1.254  |            | -0.2  |       |
| Chrysene                     | 1.185 | 1.172  |            | -1.1  |       |
| Bis (2-ethylhexyl) phthalate | 0.742 | 0.836  |            | 12.7  |       |
| Benzo (b) fluoranthene       | 1.149 | 1.131  |            | -1.6  |       |
| Benzo (k) fluoranthene       | 1.121 | 1.065  |            | -5.0  |       |
| Benzo (a) pyrene             | 0.997 | 0.991  |            | -0.6  | 20.0  |
| Indeno (1,2,3-cd) pyrene     | 1.296 | 1.308  |            | 0.9   |       |
| Dibenzo (a,h) anthracene     | 1.077 | 1.071  |            | -0.6  |       |
| Benzo (g,h,i) perylene       | 1.080 | 1.083  |            | 0.3   |       |
| 1,4-Dioxane                  | 0.639 | 0.570  |            | -10.8 | 20.0  |





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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657  
Instrument ID: BNA\_P Calibration Date/Time: 08/20/2024 16:40  
Lab File ID: BP021575.D Init. Calib. Date(s): 08/13/2024 08/13/2024  
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36  
GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND            | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|---------------------|-------|--------|------------|------|-------|
| 1-Methylnaphthalene | 0.703 | 0.693  |            | -1.4 |       |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
 Data File : BP021575.D  
 Acq On : 20 Aug 2024 16:40  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 17:15:31 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 00:00:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 372530   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.593 | 136  | 1563751  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 1068846  | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.275 | 188  | 2403929  | 20.000 | ng    | 0.02     |
| 76) Chrysene-d12              | 21.739 | 240  | 2426350  | 20.000 | ng    | 0.04     |
| 86) Perylene-d12              | 25.180 | 264  | 2940308  | 20.000 | ng    | 0.08     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 2044869  | 81.506 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.969  | 99   | 2928471  | 80.016 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2633490  | 86.924 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.981 | 330  | 1133914  | 95.320 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 5181271  | 73.981 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.998 | 244  | 9297974  | 74.447 | ng    | 0.02     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 424462   | 35.681 | ng    | 99       |
| 3) Pyridine                   | 3.717  | 79   | 1208987  | 36.406 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 371373   | 37.206 | ng    | 95       |
| 6) Aniline                    | 7.134  | 93   | 1348749  | 36.863 | ng    | 96       |
| 8) 2-Chlorophenol             | 7.375  | 128  | 979003   | 42.226 | ng    | 95       |
| 9) Benzaldehyde               | 6.946  | 77   | 1037198  | 44.262 | ng    | 93       |
| 10) Phenol                    | 6.999  | 94   | 1481572  | 39.093 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1172312  | 36.557 | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 1084084  | 39.364 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 1102920  | 39.661 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 1043542  | 38.940 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.040  | 79   | 1015548  | 38.673 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.334  | 45   | 1061205  | 35.934 | ng    | 97       |
| 17) 2-Methylphenol            | 8.240  | 107  | 976782   | 40.769 | ng    | 97       |
| 18) Hexachloroethane          | 8.887  | 117  | 454819   | 40.786 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 850374   | 33.637 | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.563  | 107  | 1356088  | 41.976 | ng    | 99       |
| 22) Acetophenone              | 8.616  | 105  | 1802202  | 37.514 | ng    | 99       |
| 24) Nitrobenzene              | 8.993  | 77   | 1345015  | 40.876 | ng    | 93       |
| 25) Isophorone                | 9.522  | 82   | 2538499  | 35.467 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.704  | 139  | 508327   | 56.363 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 711129   | 40.260 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.999  | 93   | 1593547  | 36.474 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 947435   | 45.397 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 1037019  | 38.758 | ng    | 98       |
| 31) Naphthalene               | 10.646 | 128  | 3220205  | 39.419 | ng    | 100      |
| 32) Benzoic acid              | 9.905  | 122  | 875031   | 65.645 | ng    | 92       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1251607  | 40.788 | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 645550   | 38.319 | ng    | 98       |
| 35) Caprolactam               | 11.534 | 113  | 416030   | 47.892 | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 11.881 | 107  | 1284015  | 44.353 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.263 | 142  | 2186594  | 39.219 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 2166454  | 39.399 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.634 | 216  | 1175676  | 37.541 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 464856   | 46.834 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.875 | 196  | 805218   | 46.287 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
 Data File : BP021575.D  
 Acq On : 20 Aug 2024 16:40  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 17:15:31 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 00:00:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.946 | 196  | 901983   | 46.667 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.281 | 154  | 2870734  | 37.962 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.322 | 162  | 2258356  | 38.359 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.516 | 65   | 775883   | 47.126 | ng    | 88       |
| 49) Acenaphthylene            | 14.181 | 152  | 3412612  | 39.430 | ng    | 100      |
| 50) Dimethylphthalate         | 13.916 | 163  | 2903067  | 40.557 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.022 | 165  | 668456   | 46.431 | ng    | 91       |
| 52) Acenaphthene              | 14.534 | 154  | 2344983m | 41.294 | ng    |          |
| 53) 3-Nitroaniline            | 14.351 | 138  | 704846   | 49.513 | ng    | # 90     |
| 54) 2,4-Dinitrophenol         | 14.569 | 184  | 301078   | 66.049 | ng    | 90       |
| 55) Dibenzofuran              | 14.869 | 168  | 3469479  | 39.716 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.663 | 139  | 623596   | 54.273 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 14.828 | 165  | 940265   | 50.859 | ng    | # 85     |
| 58) Fluorene                  | 15.534 | 166  | 2801684  | 39.039 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.092 | 232  | 787234   | 47.986 | ng    | 98       |
| 60) Diethylphthalate          | 15.304 | 149  | 3034612  | 41.319 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.528 | 204  | 1408811  | 37.977 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.539 | 138  | 744682   | 50.846 | ng    | 92       |
| 63) Azobenzene                | 15.822 | 77   | 3217680  | 35.641 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 198  | 455554   | 58.431 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.739 | 169  | 2431907  | 37.750 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.439 | 248  | 941570   | 37.008 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.563 | 284  | 1154799  | 38.408 | ng    | 99       |
| 69) Atrazine                  | 16.722 | 200  | 704532   | 31.853 | ng    | 100      |
| 70) Pentachlorophenol         | 16.916 | 266  | 808216   | 49.250 | ng    | 98       |
| 71) Phenanthrene              | 17.322 | 178  | 4562430  | 39.464 | ng    | 100      |
| 72) Anthracene                | 17.416 | 178  | 4446404  | 39.216 | ng    | 100      |
| 73) Carbazole                 | 17.686 | 167  | 4532118  | 41.477 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.298 | 149  | 5580792  | 41.587 | ng    | 100      |
| 75) Fluoranthene              | 19.404 | 202  | 5912433  | 41.680 | ng    | 100      |
| 77) Benzidine                 | 19.592 | 184  | 2026298  | 35.722 | ng    | 100      |
| 78) Pyrene                    | 19.780 | 202  | 6147221  | 38.762 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.722 | 149  | 2641829  | 44.200 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.716 | 228  | 6085084  | 39.950 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.627 | 252  | 2216157  | 45.379 | ng    | 100      |
| 83) Chrysene                  | 21.786 | 228  | 5688074  | 39.553 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.663 | 149  | 4058627  | 45.083 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.992 | 149  | 7075138  | 45.068 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.109 | 276  | 7692660m | 40.361 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.092 | 252  | 6649815  | 39.379 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.168 | 252  | 6261875  | 38.012 | ng    | 100      |
| 90) Benzo(a)pyrene            | 25.021 | 252  | 5826473  | 39.759 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.221 | 278  | 6298888  | 39.775 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.303 | 276  | 6370124  | 40.133 | ng    | 99       |

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

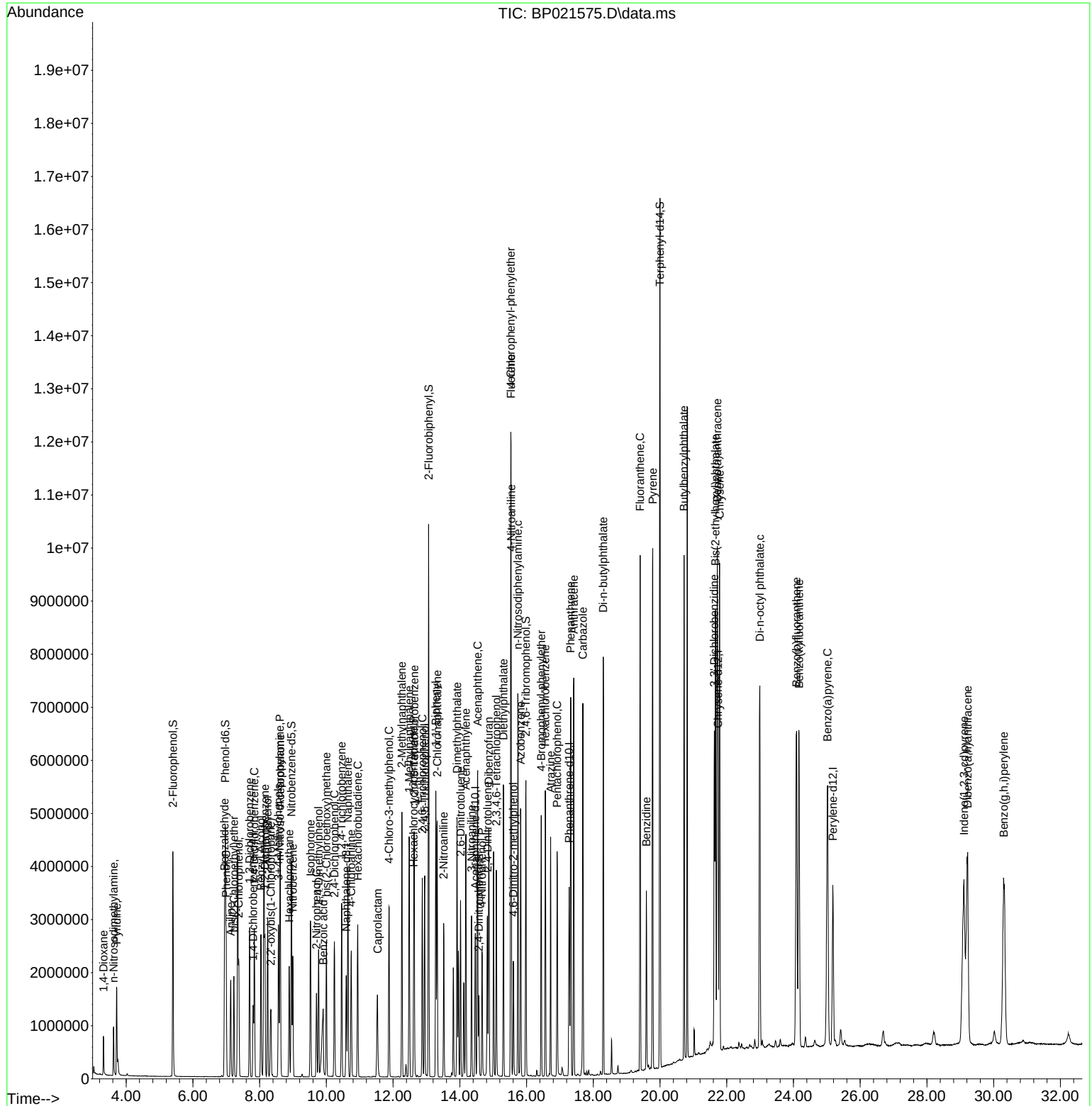
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\  
Data File : BP021575.D  
Acq On    : 20 Aug 2024  16:40  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

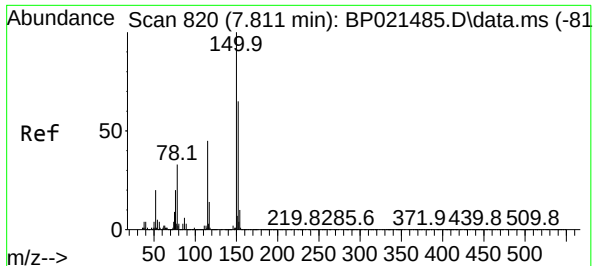
**Instrument :**  
BNA\_P  
**ClientSampleId :**  
SSTDCCC040

## Manual Integrations

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

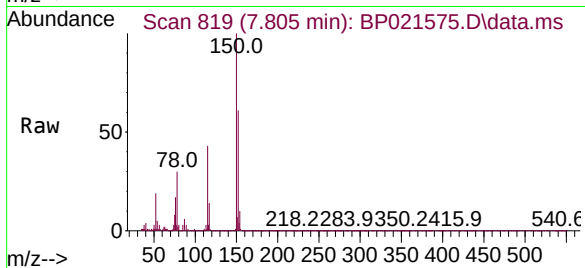
Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Qlast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

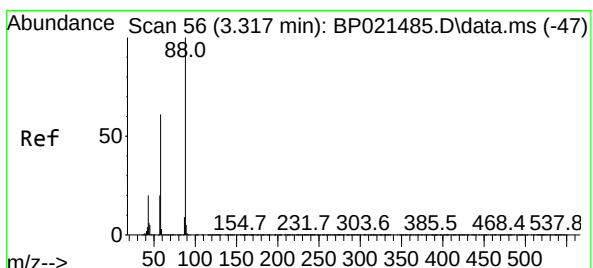
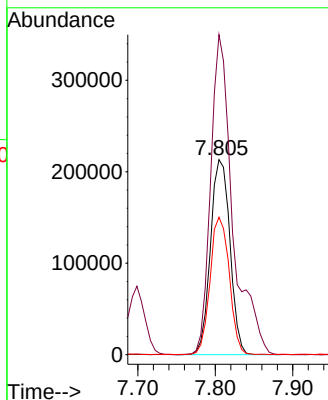
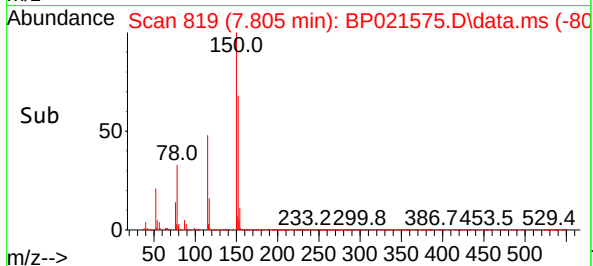
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 152 Resp: 372530  
Ion Ratio Lower Upper  
152 100  
150 164.1 122.4 183.6  
115 70.5 54.7 82.1

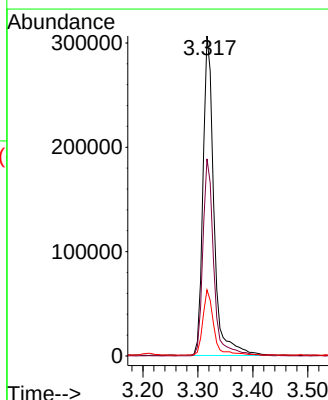
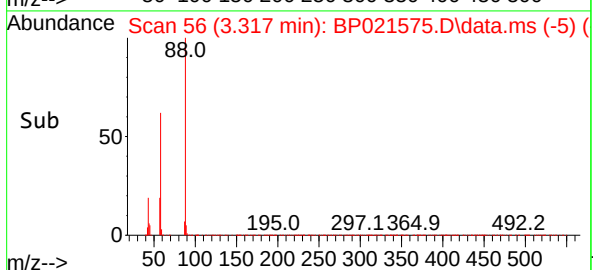
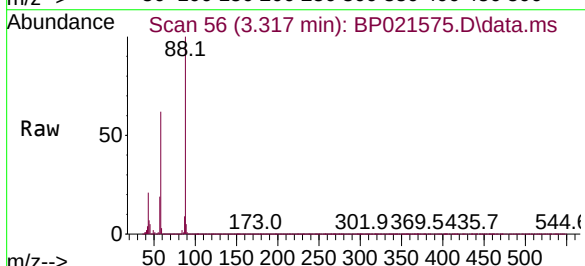
Manual Integrations  
APPROVED

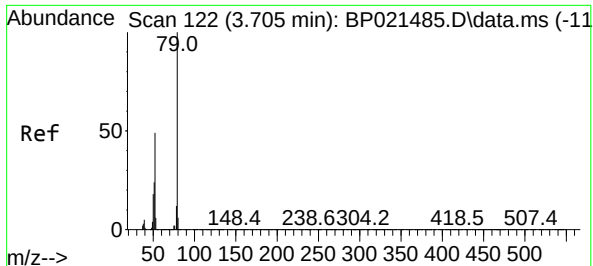
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#2  
1,4-Dioxane  
Concen: 35.681 ng  
RT: 3.317 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

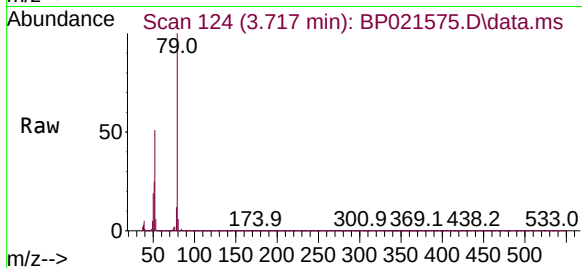
Tgt Ion: 88 Resp: 424462  
Ion Ratio Lower Upper  
88 100  
58 61.5 48.7 73.1  
43 20.1 15.4 23.2





#3  
Pyridine  
Concen: 36.406 ng  
RT: 3.717 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

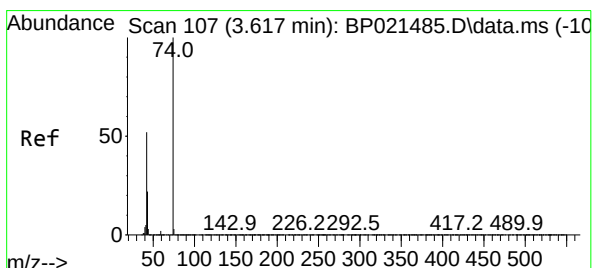
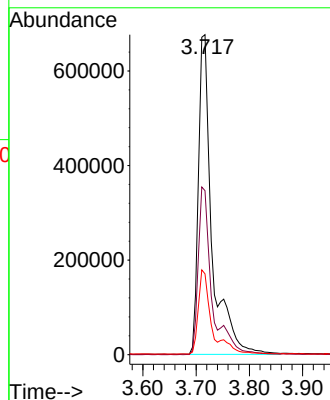
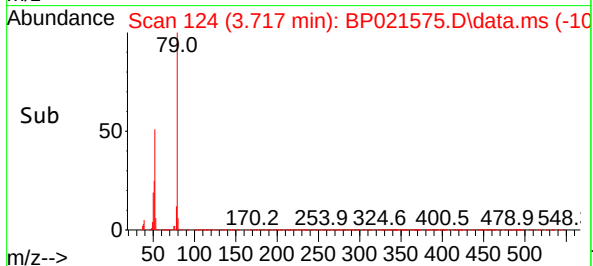
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 79 Resp: 120898  
Ion Ratio Lower Upper  
79 100  
52 51.3 39.0 58.6  
51 25.2 19.2 28.8

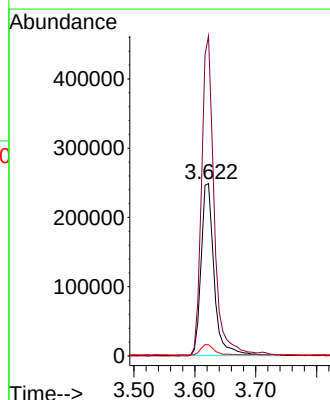
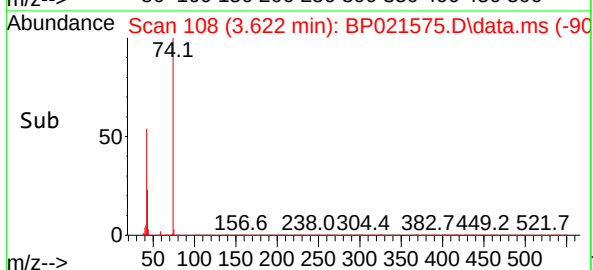
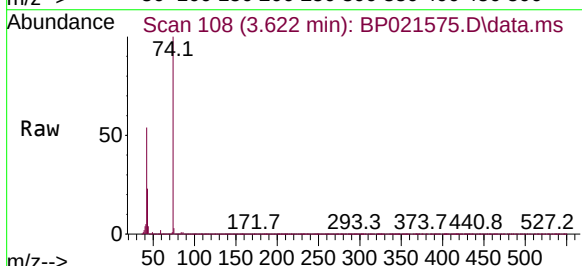
Manual Integrations  
APPROVED

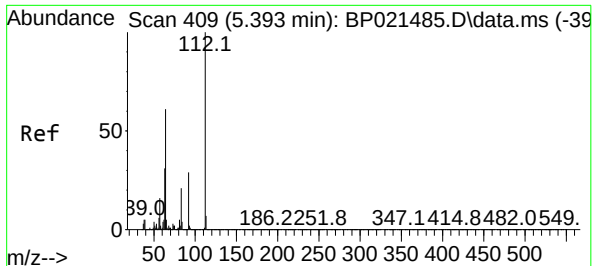
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#4  
n-Nitrosodimethylamine  
Concen: 37.206 ng  
RT: 3.622 min Scan# 108  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

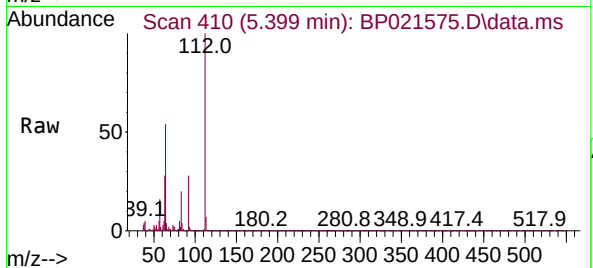
Tgt Ion: 42 Resp: 371373  
Ion Ratio Lower Upper  
42 100  
74 185.7 154.3 231.5  
44 6.5 6.2 9.4





#5  
2-Fluorophenol  
Concen: 81.506 ng  
RT: 5.399 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

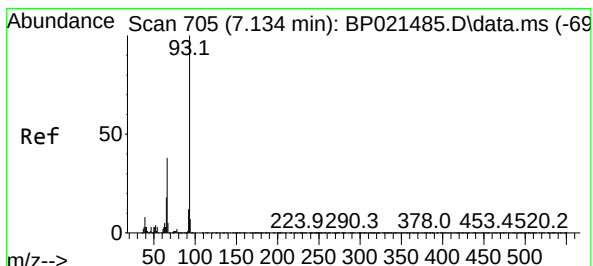
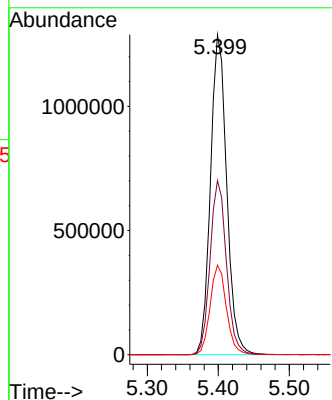
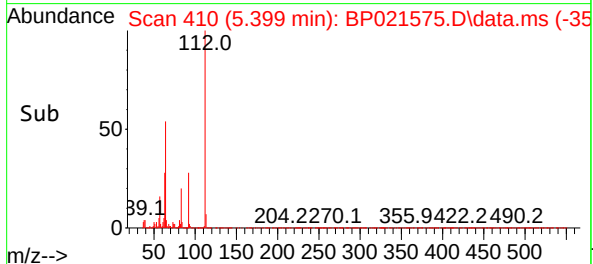
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:112 Resp: 2044869  
Ion Ratio Lower Upper  
112 100  
64 54.4 49.0 73.6  
63 27.9 24.6 36.8

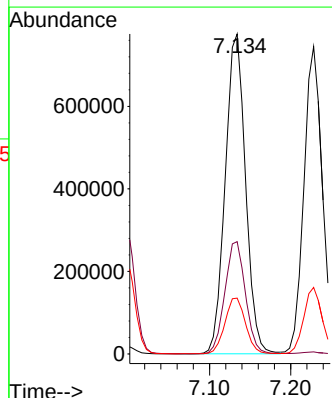
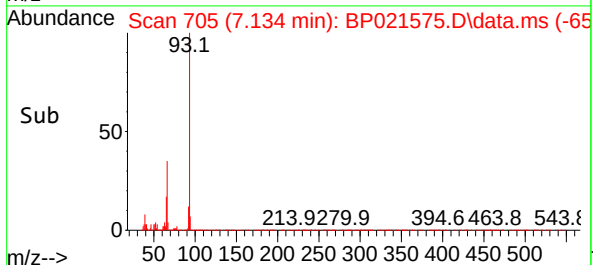
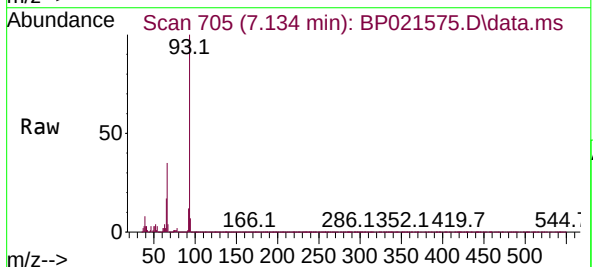
Manual Integrations  
APPROVED

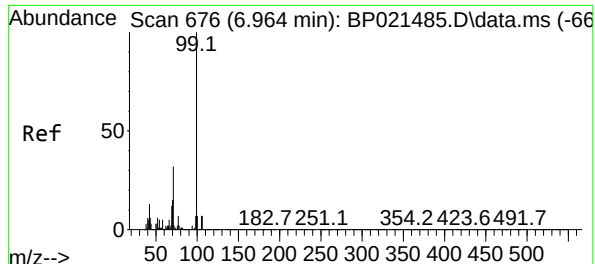
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#6  
Aniline  
Concen: 36.863 ng  
RT: 7.134 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion: 93 Resp: 1348749  
Ion Ratio Lower Upper  
93 100  
66 35.1 30.2 45.2  
65 17.5 14.7 22.1





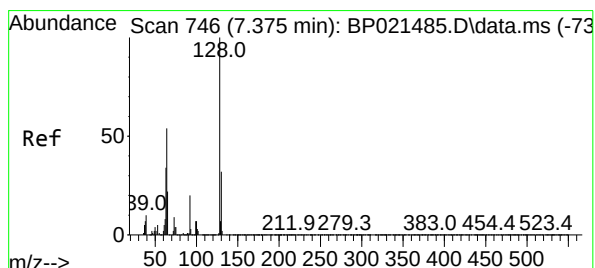
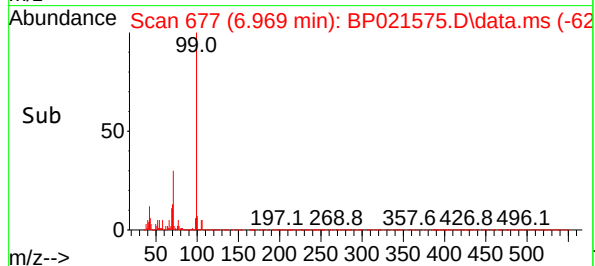
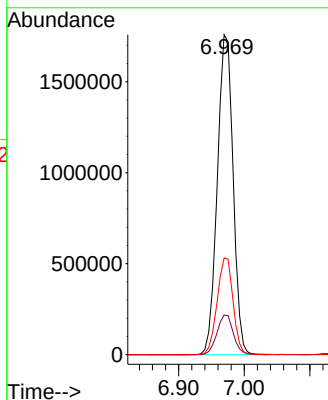
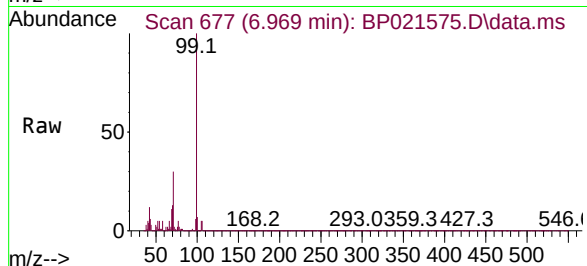
#7  
Phenol-d6  
Concen: 80.016 ng  
RT: 6.969 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 99 Resp: 292847  
Ion Ratio Lower Upper  
99 100  
42 12.4 10.2 15.4  
71 30.3 25.8 38.8

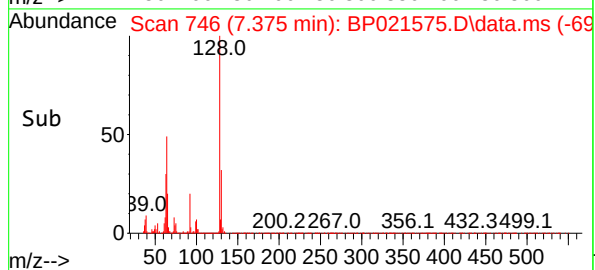
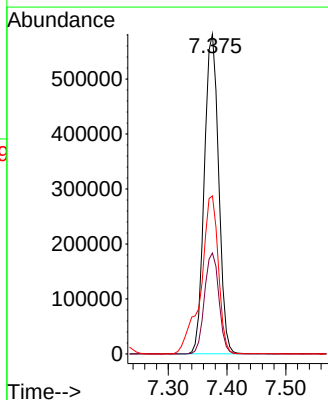
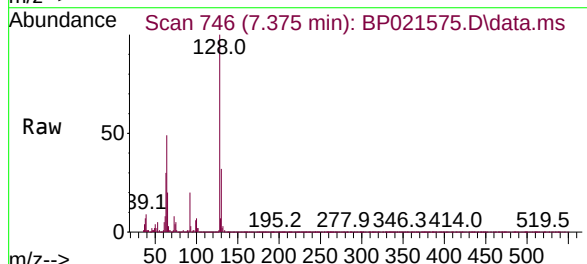
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

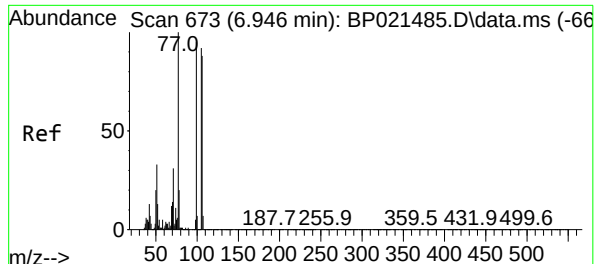


#8  
2-Chlorophenol  
Concen: 42.226 ng  
RT: 7.375 min Scan# 746  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:128 Resp: 979003  
Ion Ratio Lower Upper  
128 100  
130 31.6 11.6 51.6  
64 49.4 35.3 75.3

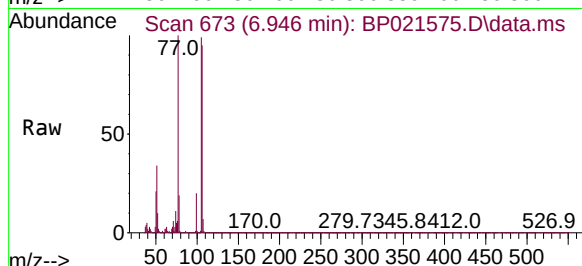






#9  
Benzaldehyde  
Concen: 44.262 ng  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

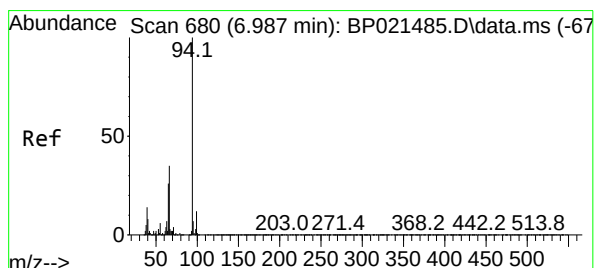
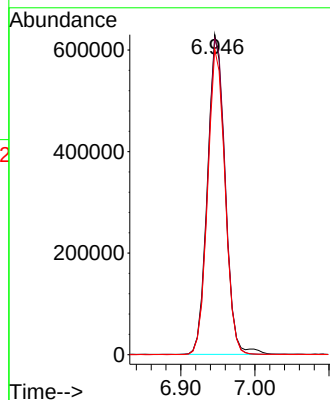
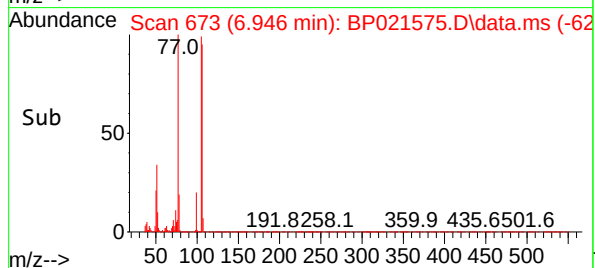
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



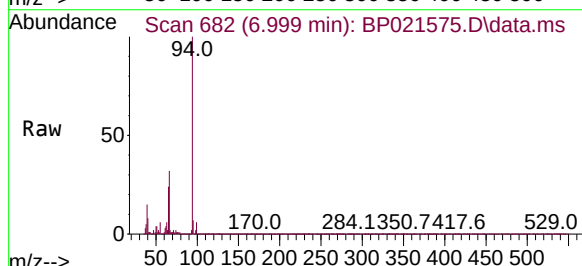
Tgt Ion: 77 Resp: 1037198  
Ion Ratio Lower Upper  
77 100  
105 98.7 72.1 112.1  
106 95.4 67.9 107.9

Manual Integrations  
APPROVED

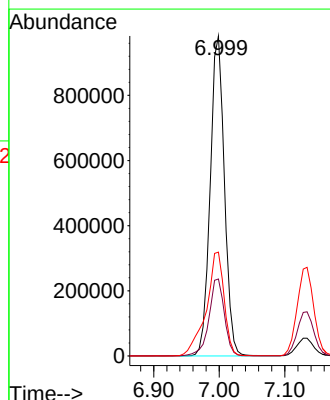
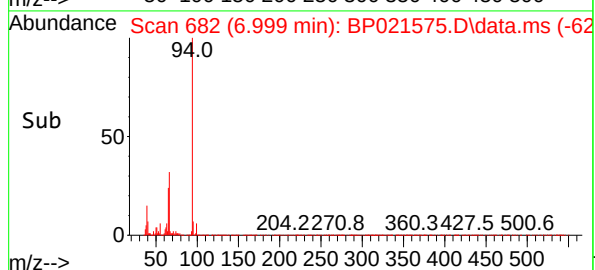
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

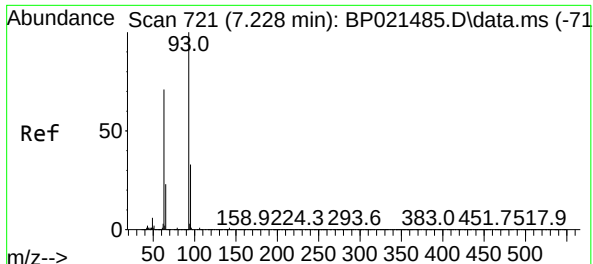


#10  
Phenol  
Concen: 39.093 ng  
RT: 6.999 min Scan# 682  
Delta R.T. 0.012 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



Tgt Ion: 94 Resp: 1481572  
Ion Ratio Lower Upper  
94 100  
65 24.1 6.5 46.5  
66 32.5 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 36.557 ng

RT: 7.228 min Scan# 721

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 117231

Ion Ratio Lower Upper

93 100

63 66.1 51.0 91.0

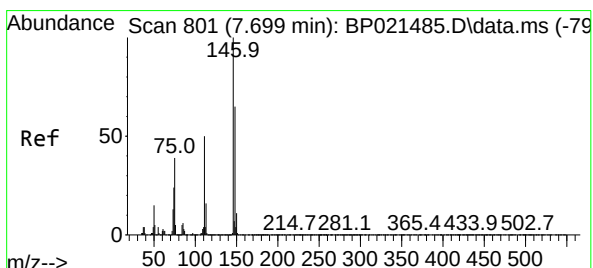
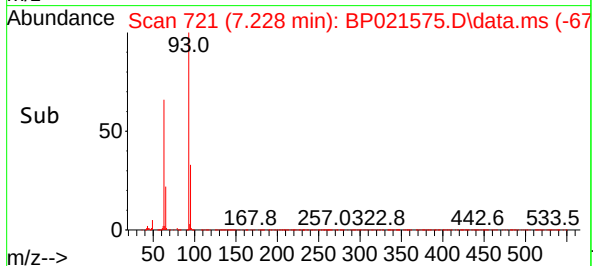
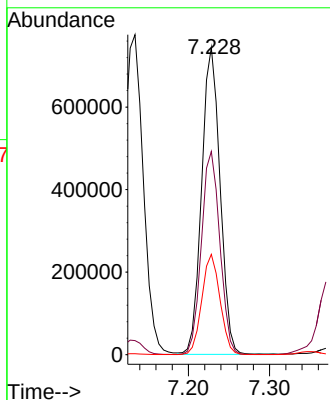
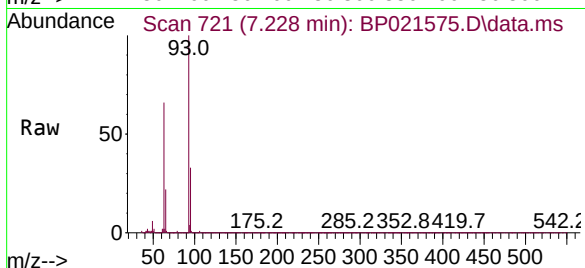
95 32.6 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#12

1,3-Dichlorobenzene

Concen: 39.364 ng

RT: 7.699 min Scan# 801

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

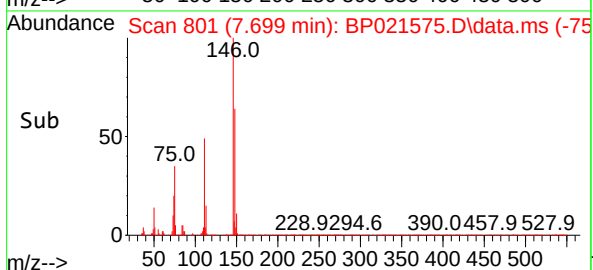
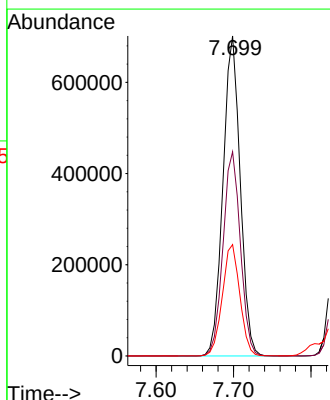
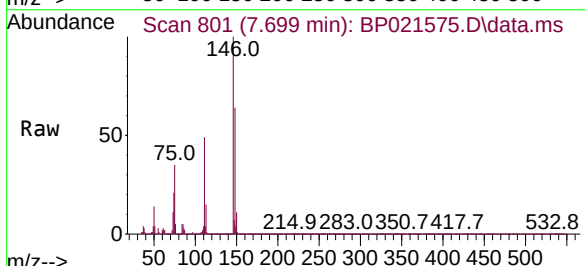
Tgt Ion:146 Resp: 1084084

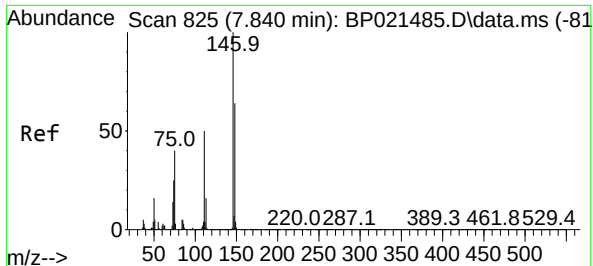
Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

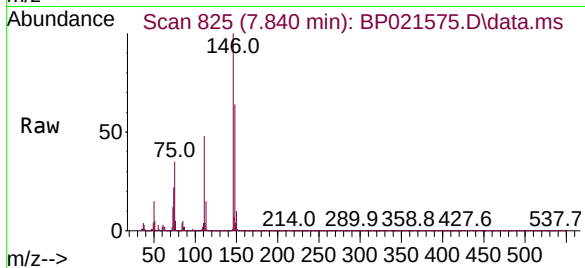
75 34.8 31.3 46.9





#13  
1,4-Dichlorobenzene  
Concen: 39.661 ng  
RT: 7.840 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

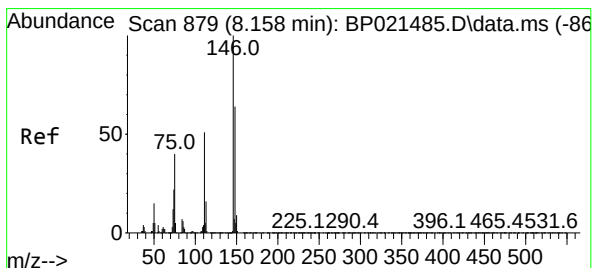
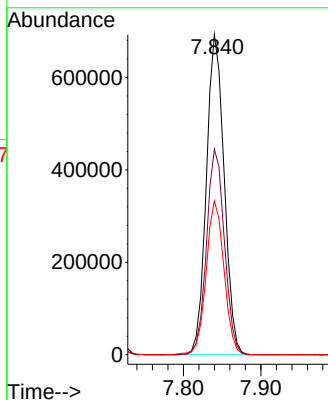
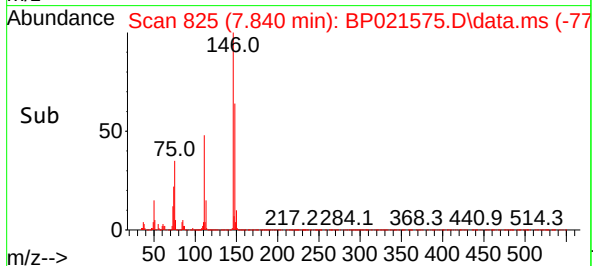
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



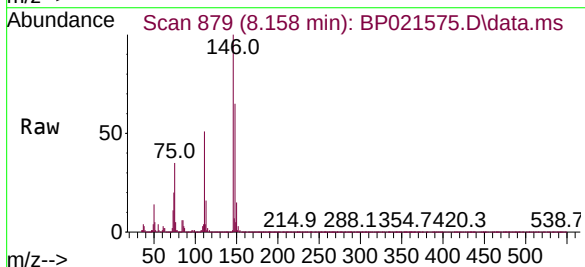
Tgt Ion:146 Resp: 1102920  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.5 77.3  
111 48.0 40.3 60.5

Manual Integrations  
APPROVED

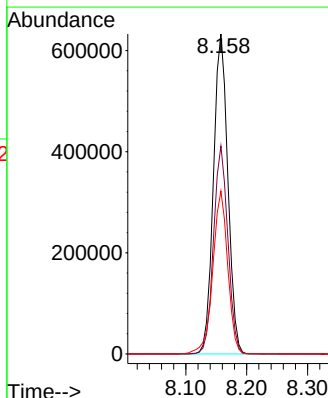
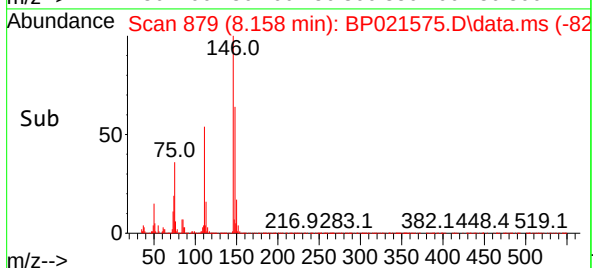
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

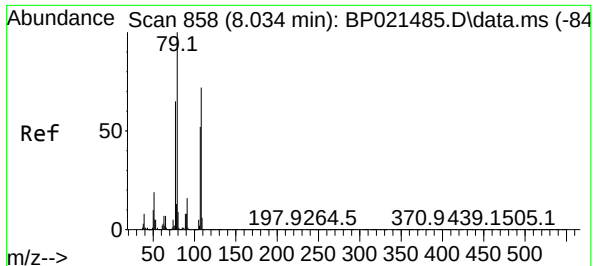


#14  
1,2-Dichlorobenzene  
Concen: 38.940 ng  
RT: 8.158 min Scan# 879  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



Tgt Ion:146 Resp: 1043542  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.5 77.3  
111 50.9 41.1 61.7





#15

Benzyl Alcohol

Concen: 38.673 ng

RT: 8.040 min Scan# 858

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 101554

Ion Ratio Lower Upper

79 100

108 78.3 57.9 86.9

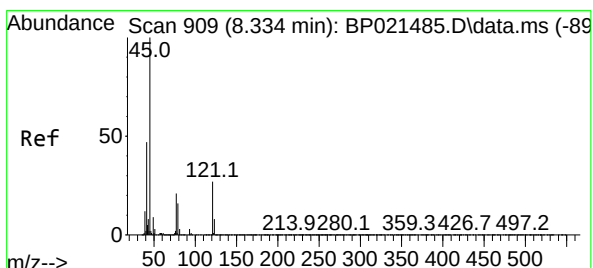
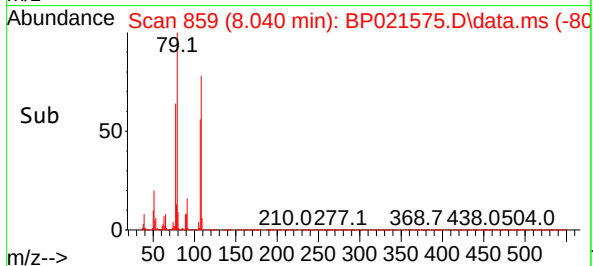
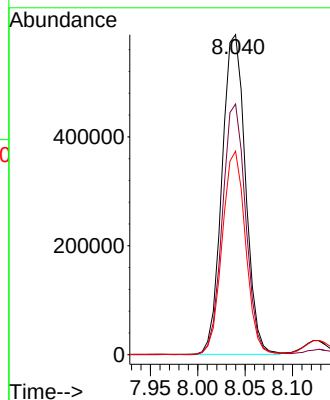
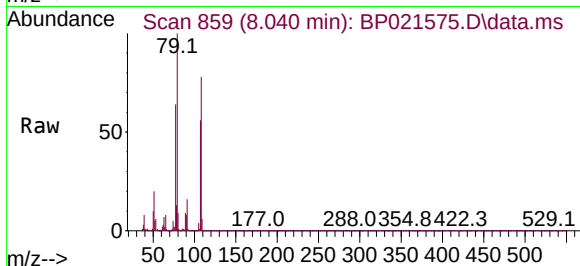
77 63.6 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.934 ng

RT: 8.334 min Scan# 909

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

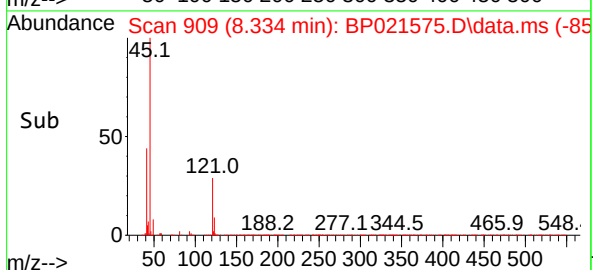
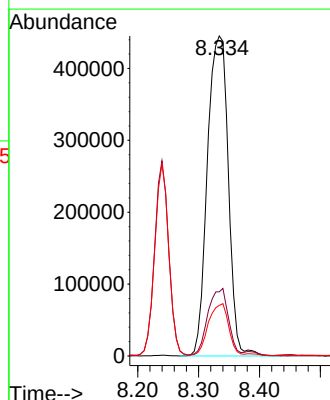
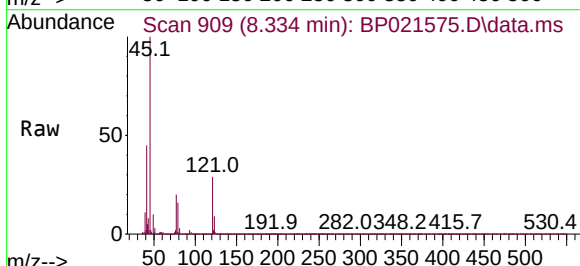
Tgt Ion: 45 Resp: 1061205

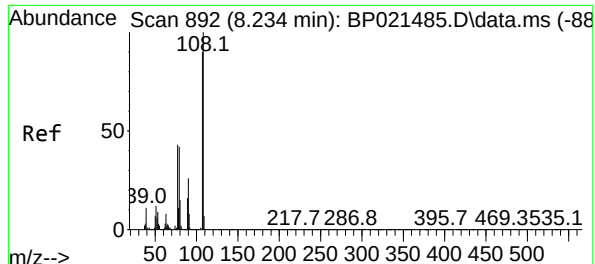
Ion Ratio Lower Upper

45 100

77 20.0 1.9 41.9

79 15.8 0.0 36.6





#17

2-Methylphenol

Concen: 40.769 ng

RT: 8.240 min Scan# 89

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 97678

Ion Ratio Lower Upper

107 100

108 109.8 88.8 133.2

77 44.7 38.7 58.1

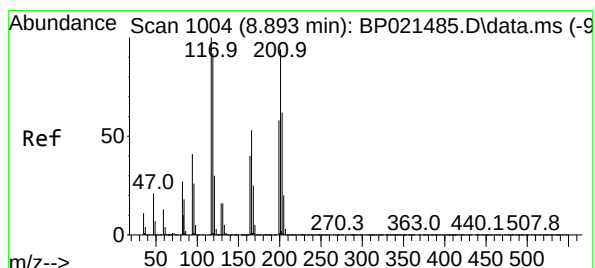
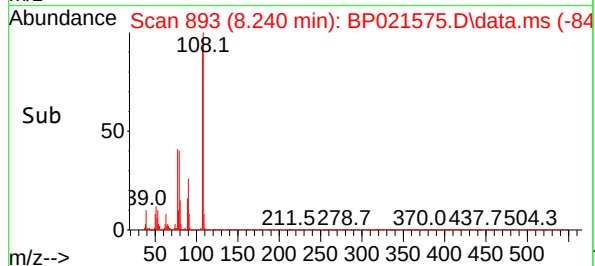
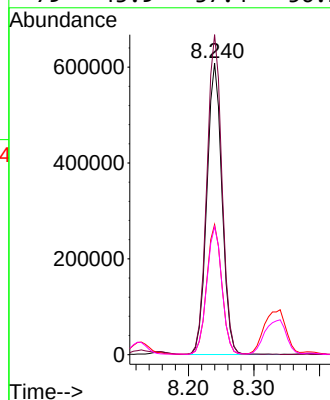
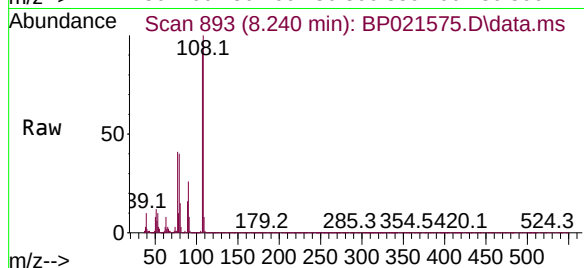
79 43.9 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#18

Hexachloroethane

Concen: 40.786 ng

RT: 8.887 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

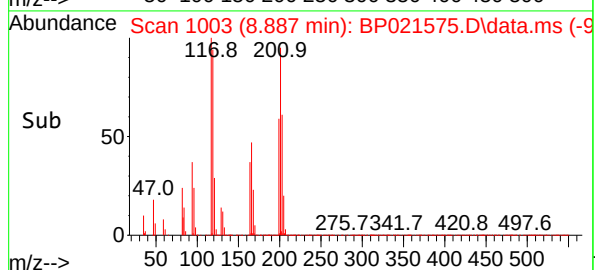
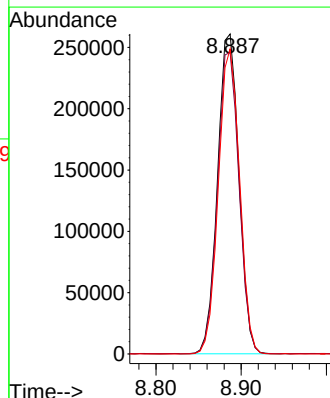
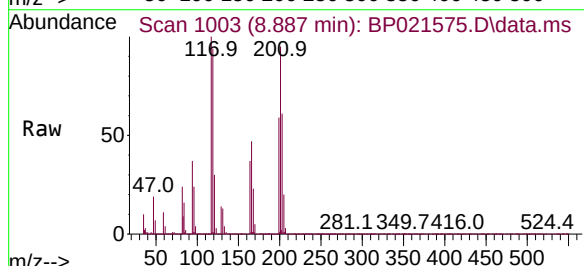
Tgt Ion:117 Resp: 454819

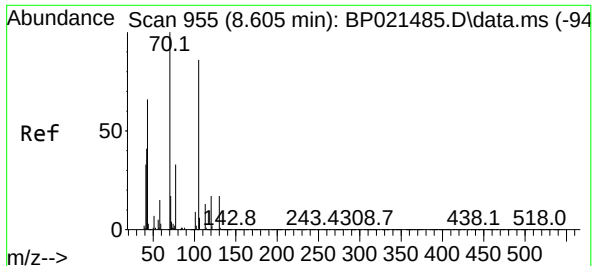
Ion Ratio Lower Upper

117 100

119 94.3 73.9 110.9

201 95.3 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 33.637 ng

RT: 8.605 min Scan# 91

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 850374

Ion Ratio Lower Upper

70 100

42 43.9 33.1 49.7

101 10.7 7.4 11.2

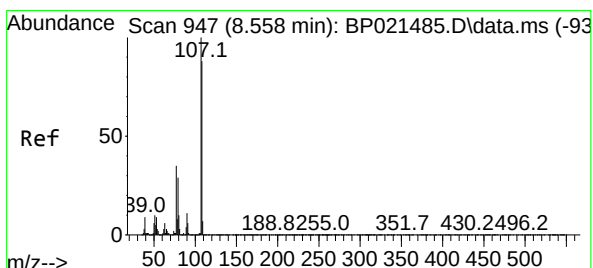
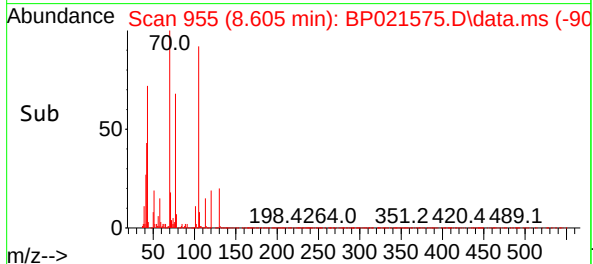
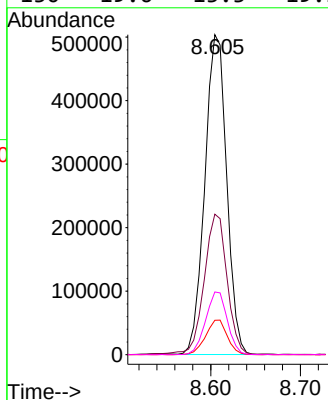
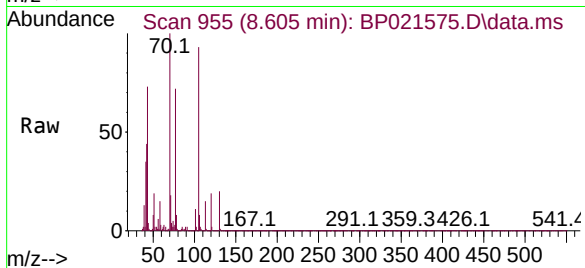
130 19.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#20

3+4-Methylphenols

Concen: 41.976 ng

RT: 8.563 min Scan# 948

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Tgt Ion:107 Resp: 1356088

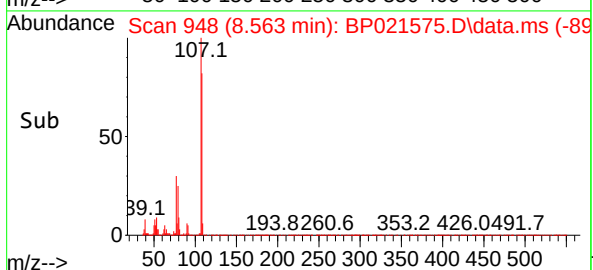
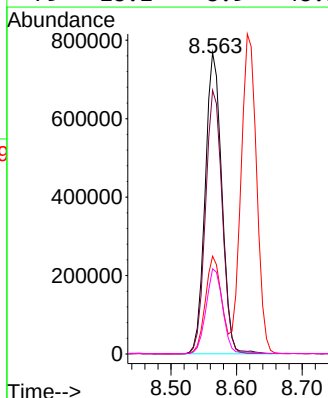
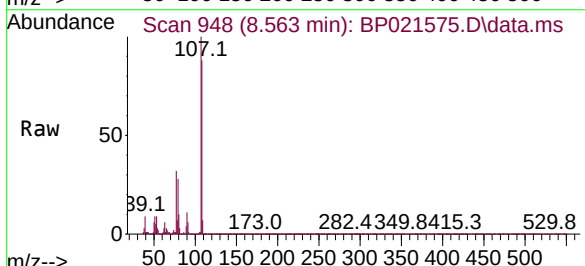
Ion Ratio Lower Upper

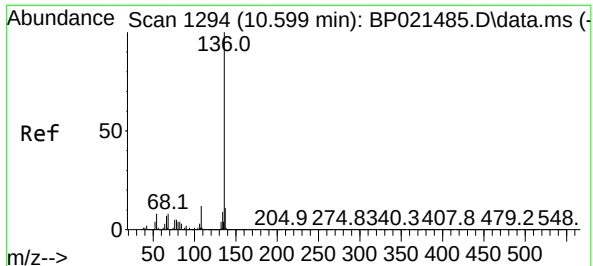
107 100

108 87.5 67.6 107.6

77 32.4 15.0 55.0

79 28.2 8.9 48.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.593 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 156375

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.9 6.3 9.5

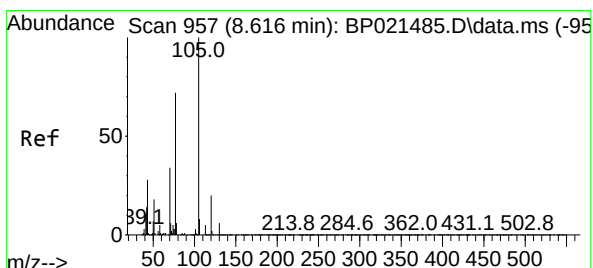
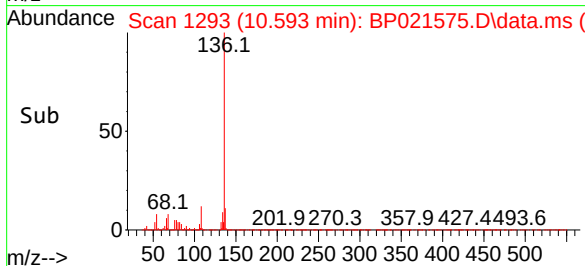
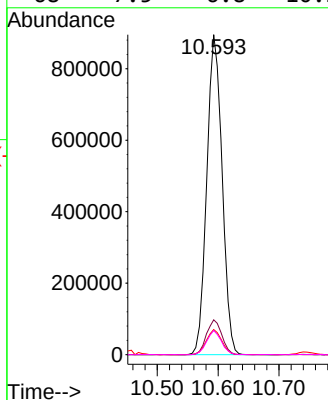
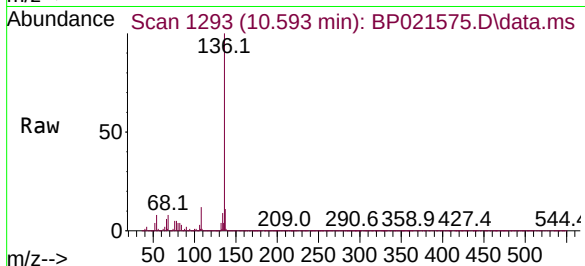
68 7.5 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#22

Acetophenone

Concen: 37.514 ng

RT: 8.616 min Scan# 957

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Tgt Ion:105 Resp: 1802202

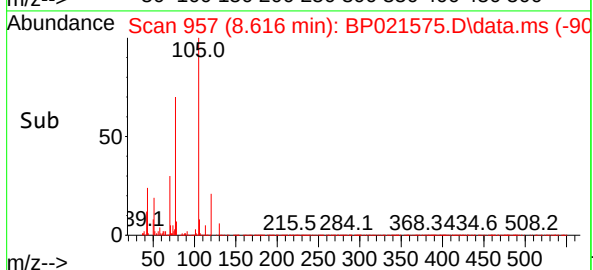
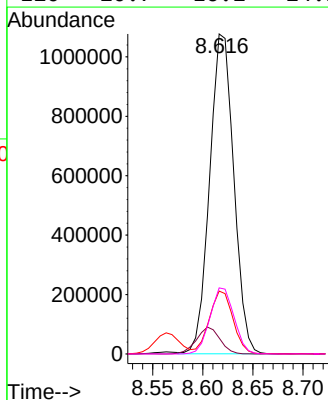
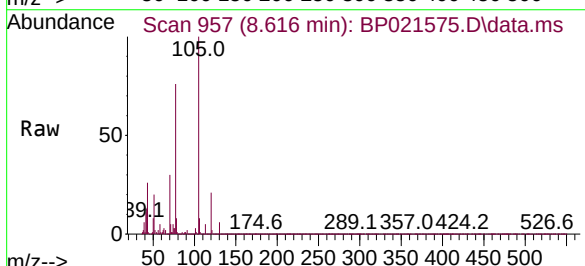
Ion Ratio Lower Upper

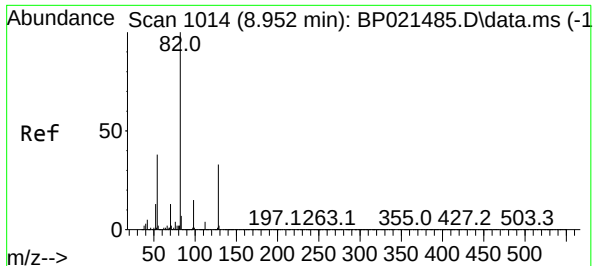
105 100

71 5.0 4.6 7.0

51 19.7 16.3 24.5

120 20.7 16.2 24.2





#23

Nitrobenzene-d5

Concen: 86.924 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 2633490

Ion Ratio Lower Upper

82 100

128 37.8 26.5 39.7

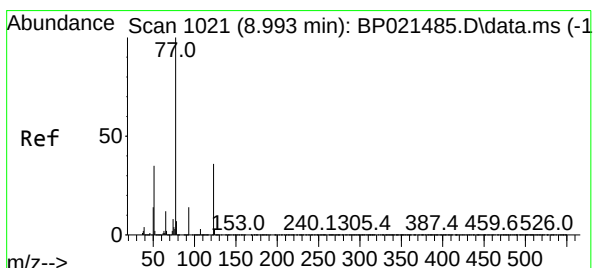
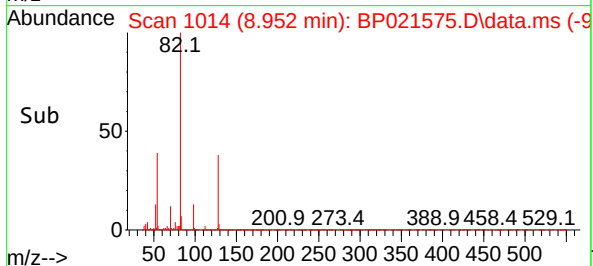
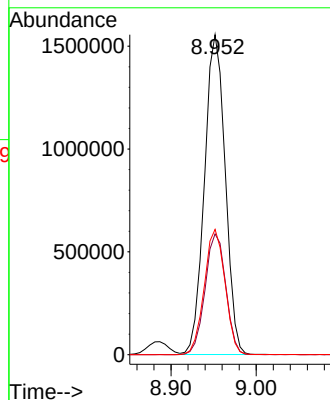
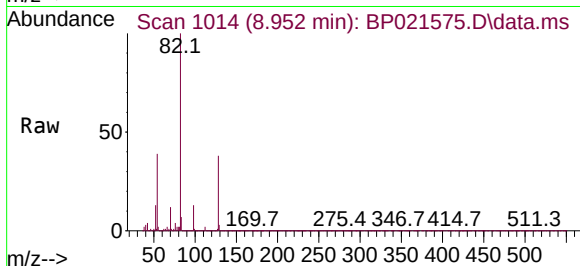
54 39.1 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#24

Nitrobenzene

Concen: 40.876 ng

RT: 8.993 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

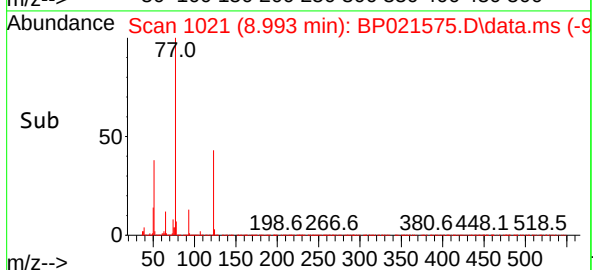
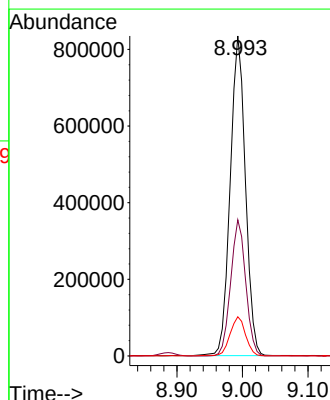
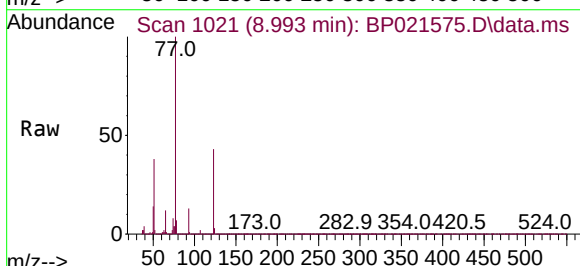
Tgt Ion: 77 Resp: 1345015

Ion Ratio Lower Upper

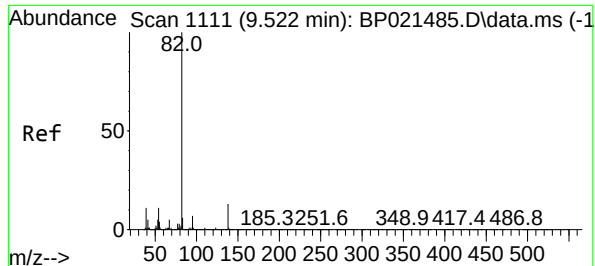
77 100

123 42.6 29.5 44.3

65 12.3 9.9 14.9

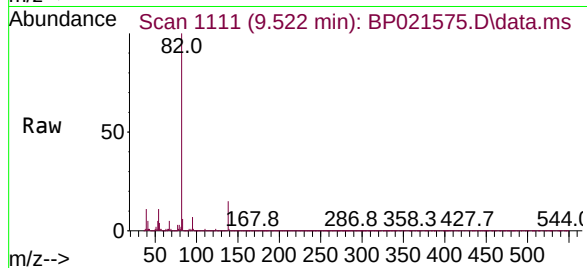






#25  
Isophorone  
Concen: 35.467 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

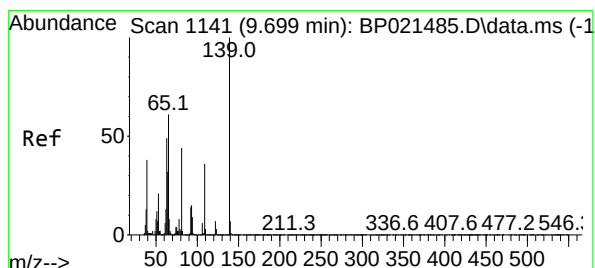
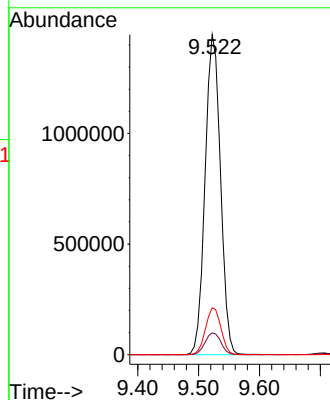
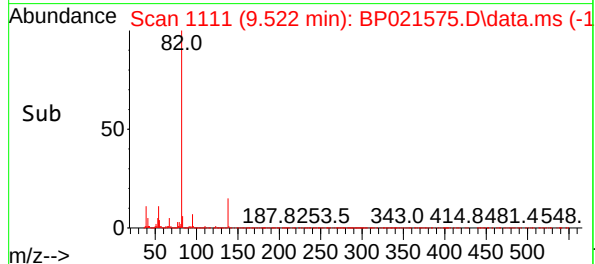
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



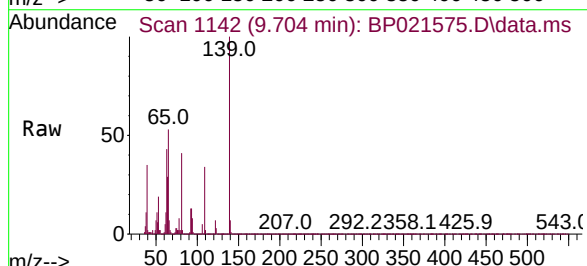
Tgt Ion: 82 Resp: 253849  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.4 8.2  
138 14.7 10.6 16.0

Manual Integrations  
APPROVED

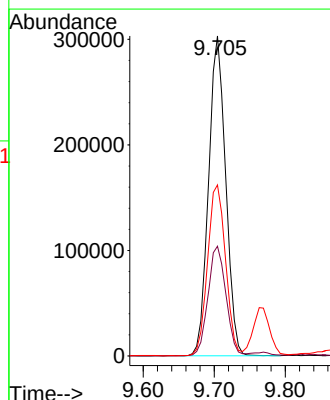
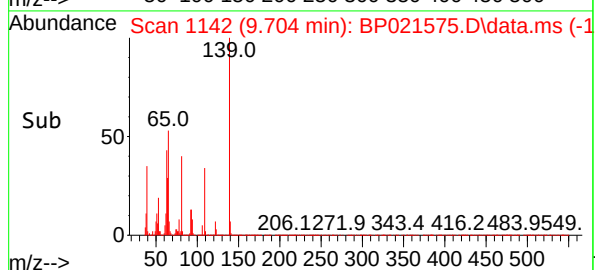
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

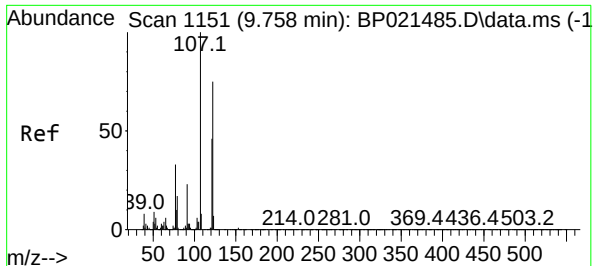


#26  
2-Nitrophenol  
Concen: 56.363 ng  
RT: 9.704 min Scan# 1142  
Delta R.T. 0.005 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



Tgt Ion:139 Resp: 508327  
Ion Ratio Lower Upper  
139 100  
109 34.3 28.9 43.3  
65 53.4 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 40.260 ng

RT: 9.769 min Scan# 1151

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 711129

Ion Ratio Lower Upper

122 100

107 129.7 106.2 159.4

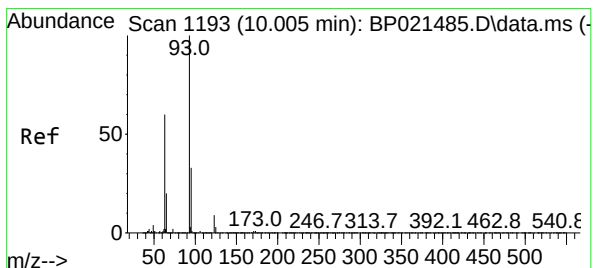
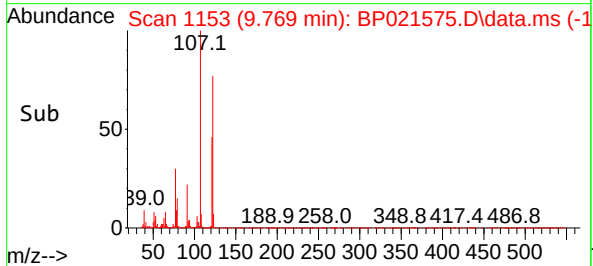
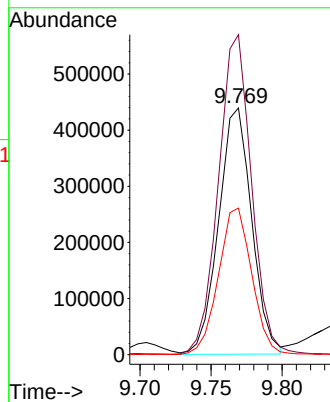
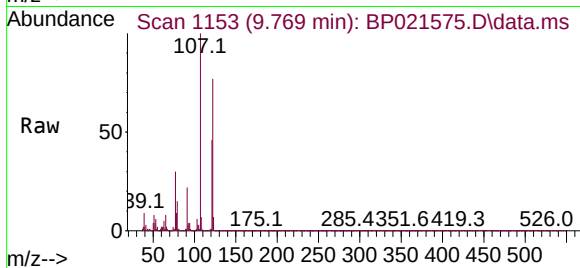
121 59.4 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#28

bis(2-Chloroethoxy)methane

Concen: 36.474 ng

RT: 9.999 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

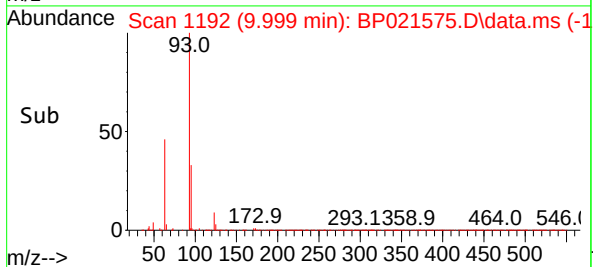
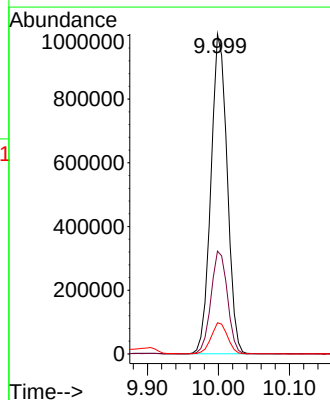
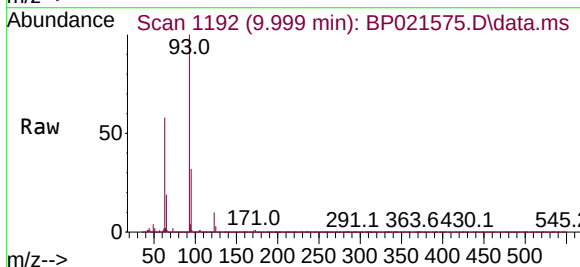
Tgt Ion: 93 Resp: 1593547

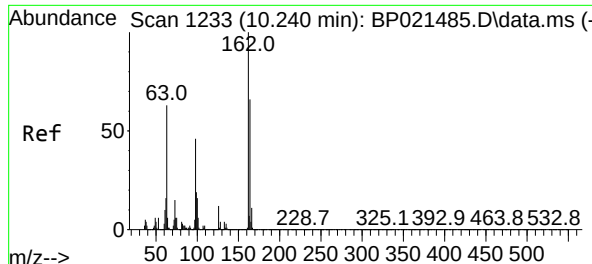
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

123 9.7 7.6 11.4





#29

2,4-Dichlorophenol

Concen: 45.397 ng

RT: 10.240 min Scan# 1233

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 94743

Ion Ratio Lower Upper

162 100

164 63.8 45.9 85.9

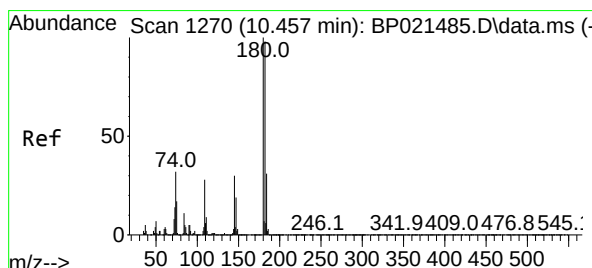
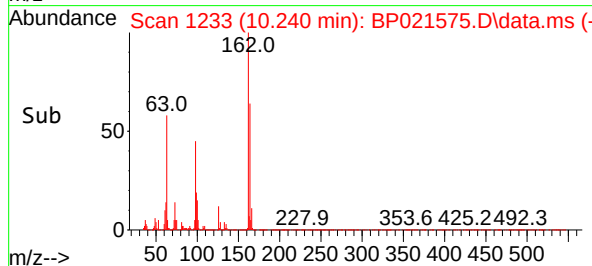
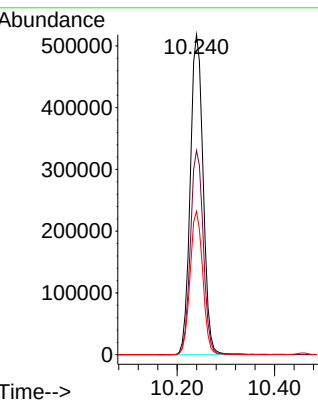
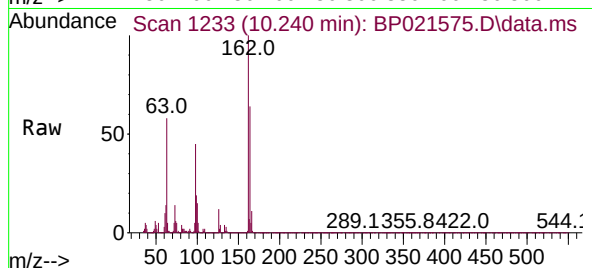
98 44.8 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#30

1,2,4-Trichlorobenzene

Concen: 38.758 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

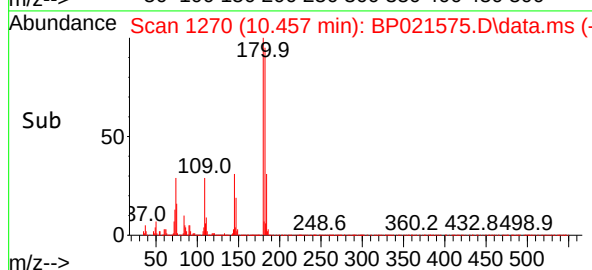
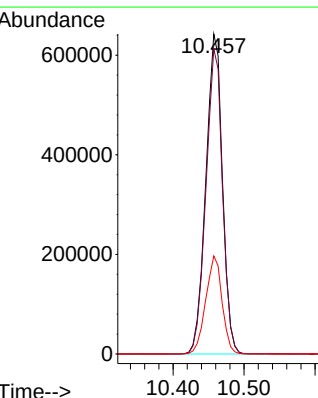
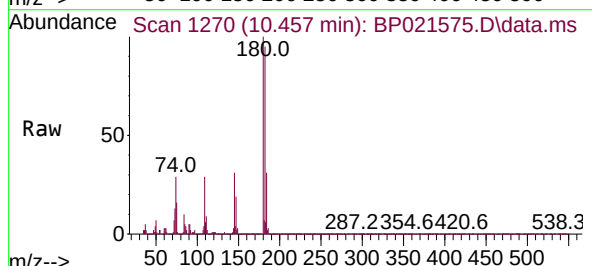
Tgt Ion:180 Resp: 1037019

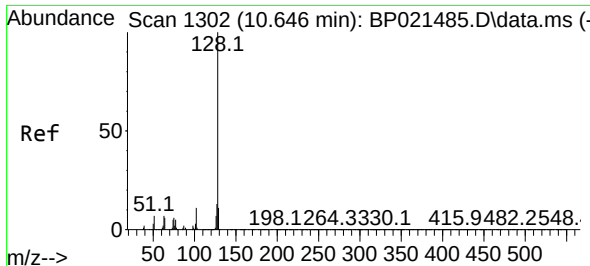
Ion Ratio Lower Upper

180 100

182 95.4 78.3 117.5

145 30.7 24.0 36.0





#31

Naphthalene

Concen: 39.419 ng

RT: 10.646 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 322020

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

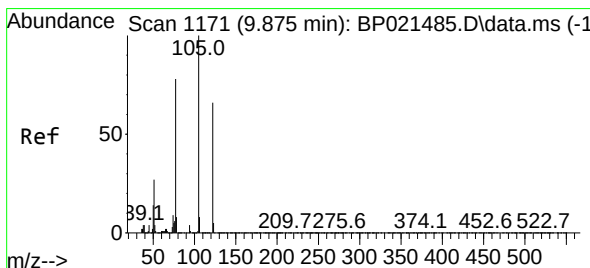
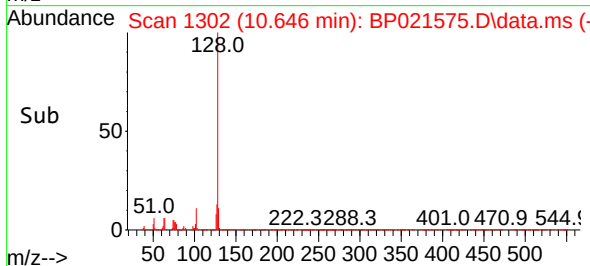
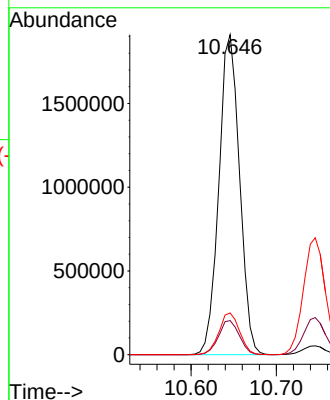
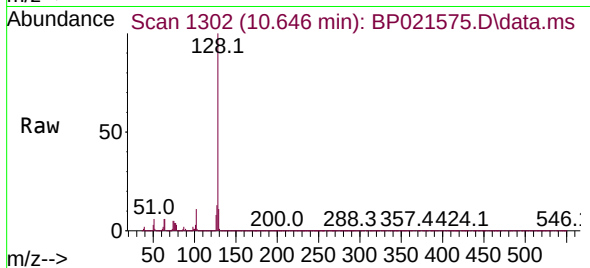
127 13.0 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#32

Benzoic acid

Concen: 65.645 ng

RT: 9.905 min Scan# 1176

Delta R.T. 0.030 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

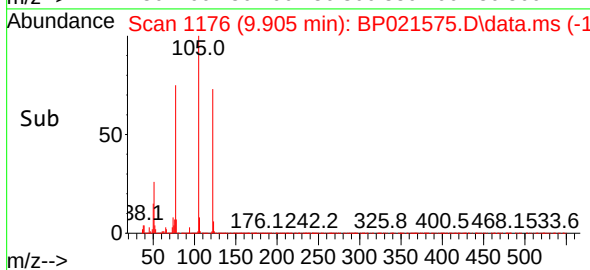
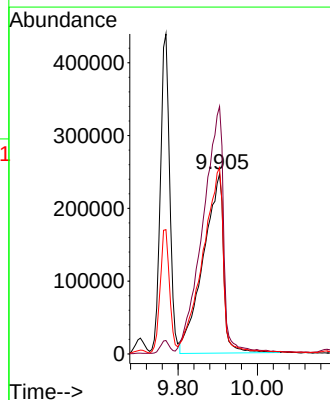
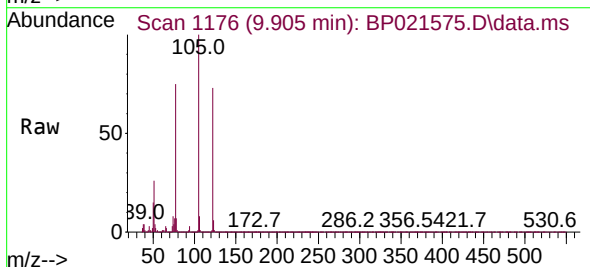
Tgt Ion:122 Resp: 875031

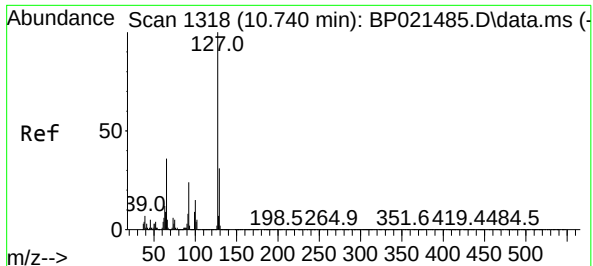
Ion Ratio Lower Upper

122 100

105 137.7 124.6 164.6

77 103.6 96.2 136.2





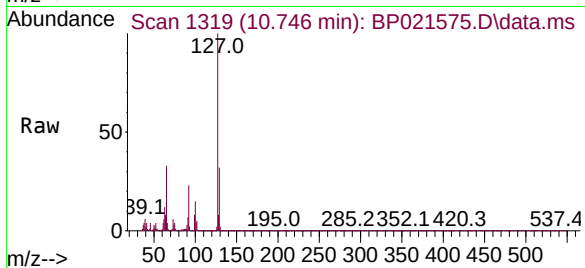
#33  
4-Chloroaniline  
Concen: 40.788 ng  
RT: 10.746 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040



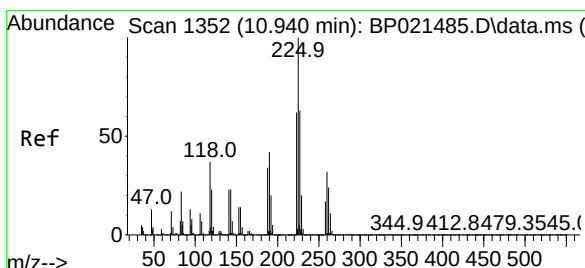
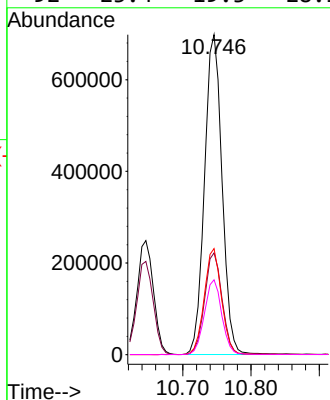
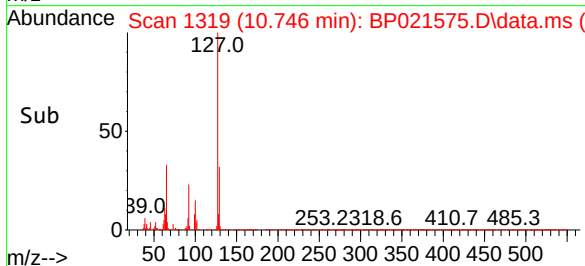
Tgt Ion:127 Resp: 125160  
Ion Ratio Lower Upper  
127 100  
129 31.8 24.5 36.7  
65 33.2 28.9 43.3  
92 23.4 19.3 28.9

Manual Integrations

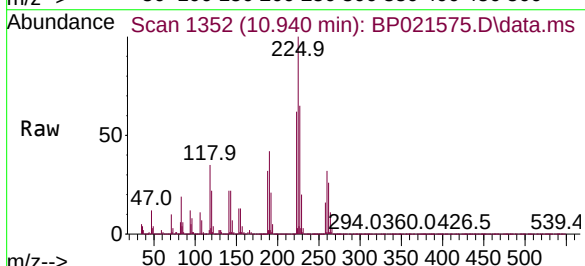
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

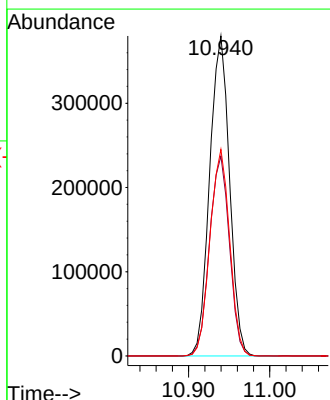
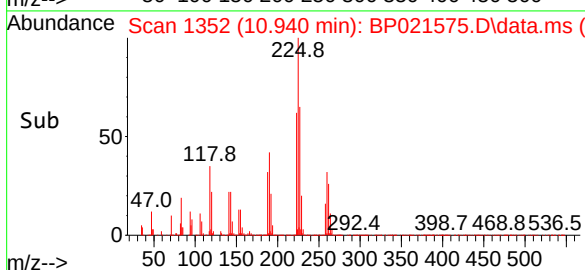
Supervised By :mohammad ahmed 08/22/2024

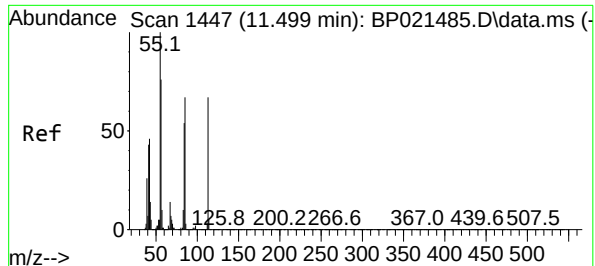


#34  
Hexachlorobutadiene  
Concen: 38.319 ng  
RT: 10.940 min Scan# 1352  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



Tgt Ion:225 Resp: 645550  
Ion Ratio Lower Upper  
225 100  
223 62.5 49.6 74.4  
227 64.6 50.1 75.1





#35

Caprolactam

Concen: 47.892 ng

RT: 11.534 min Scan# 1447

Delta R.T. 0.035 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 416030

Ion Ratio Lower Upper

113 100

55 133.6 130.6 170.6

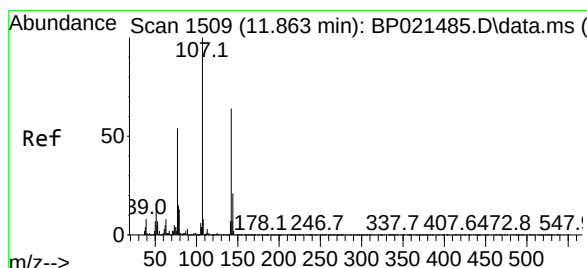
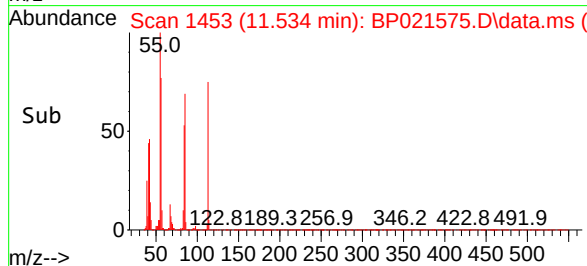
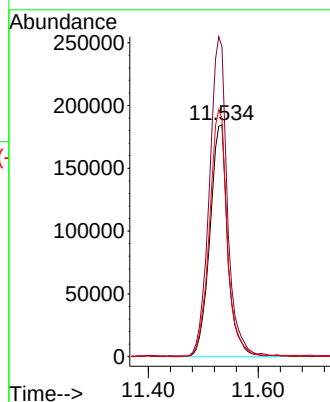
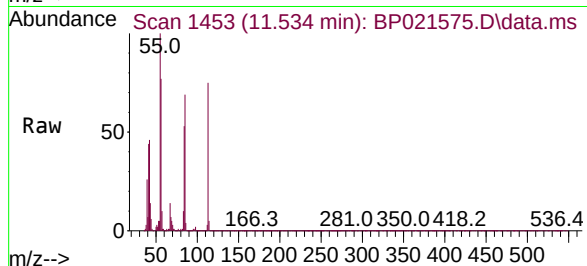
56 102.6 94.6 134.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#36

4-Chloro-3-methylphenol

Concen: 44.353 ng

RT: 11.881 min Scan# 1512

Delta R.T. 0.018 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

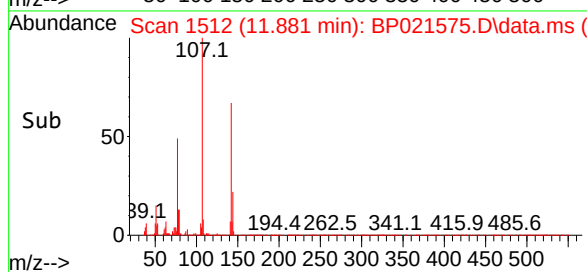
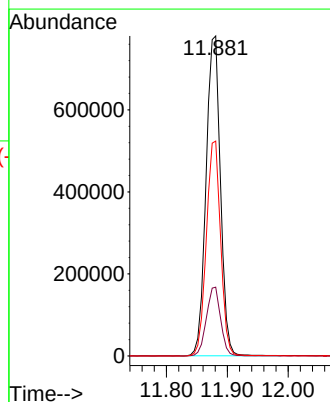
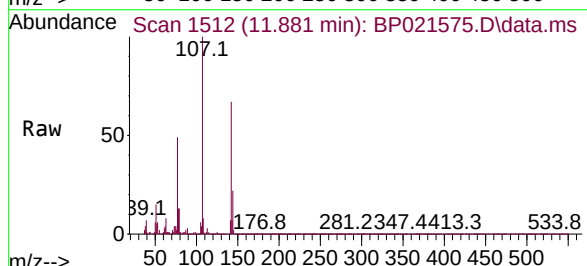
Tgt Ion:107 Resp: 1284015

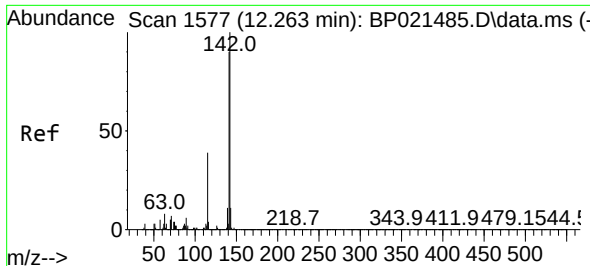
Ion Ratio Lower Upper

107 100

144 21.5 16.6 24.8

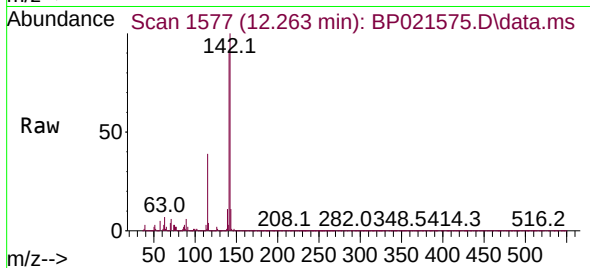
142 67.2 51.0 76.4





#37  
2-Methylnaphthalene  
Concen: 39.219 ng  
RT: 12.263 min Scan# 1577  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

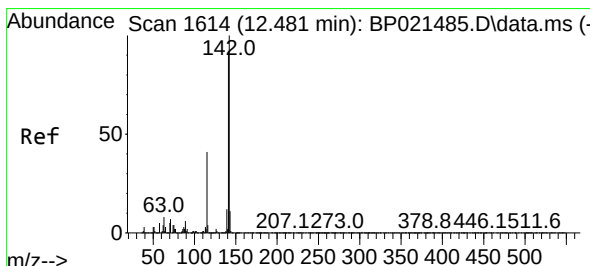
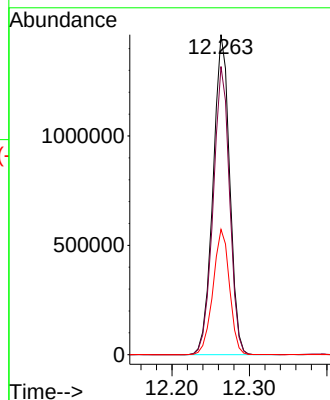
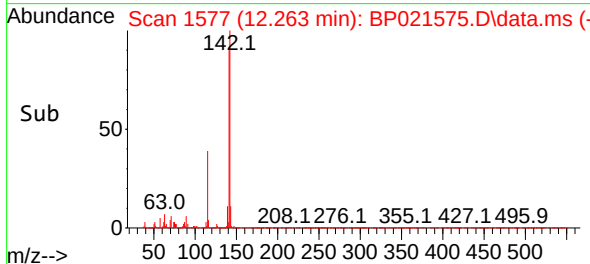
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



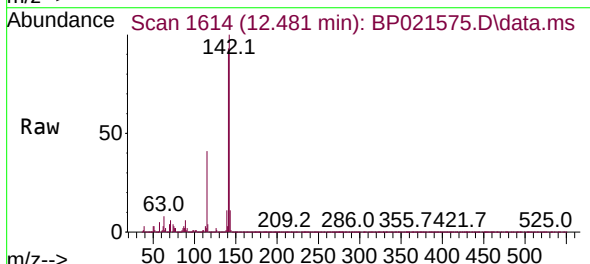
Tgt Ion:142 Resp: 2186594  
Ion Ratio Lower Upper  
142 100  
141 90.0 71.7 107.5  
115 39.1 31.4 47.2

Manual Integrations  
APPROVED

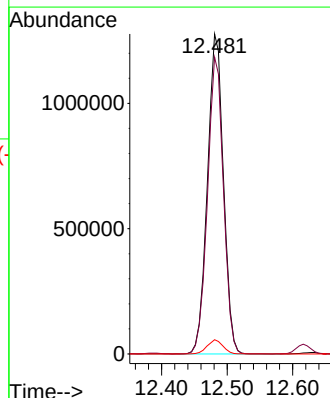
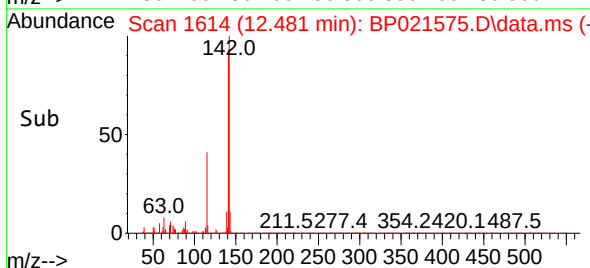
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

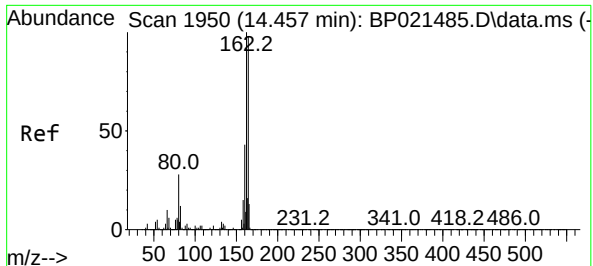


#38  
1-Methylnaphthalene  
Concen: 39.399 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



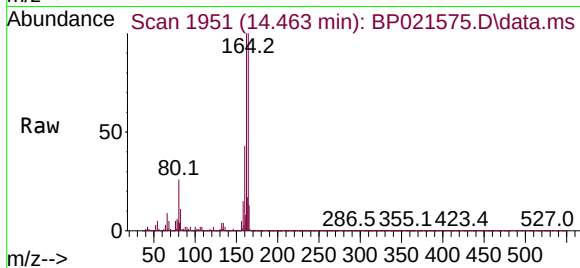
Tgt Ion:142 Resp: 2166454  
Ion Ratio Lower Upper  
142 100  
141 92.7 73.5 110.3  
116 4.5 3.4 5.2





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.463 min Scan# 1951  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

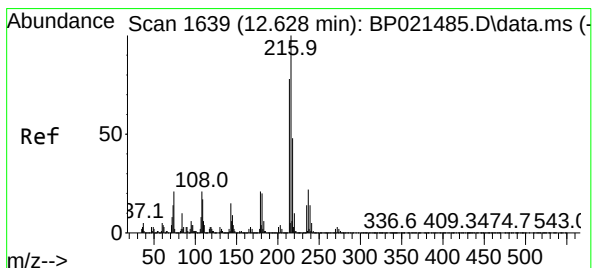
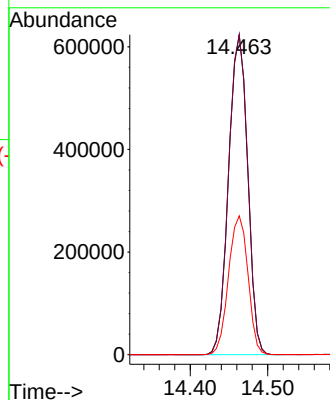
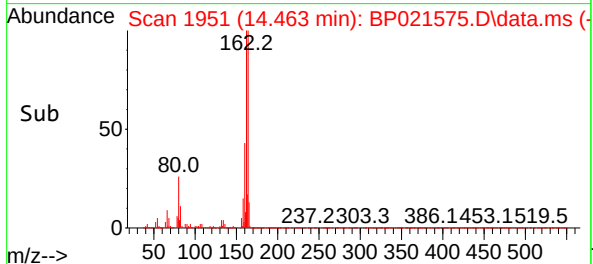
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:164 Resp: 1068840  
Ion Ratio Lower Upper  
164 100  
162 100.1 81.5 122.3  
160 43.4 35.2 52.8

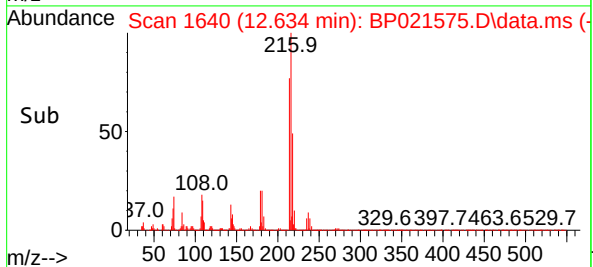
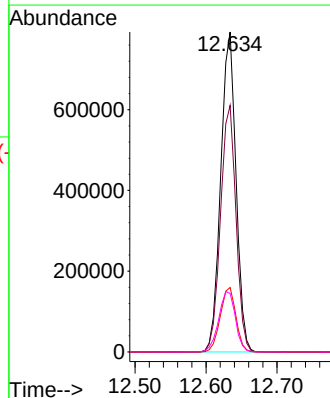
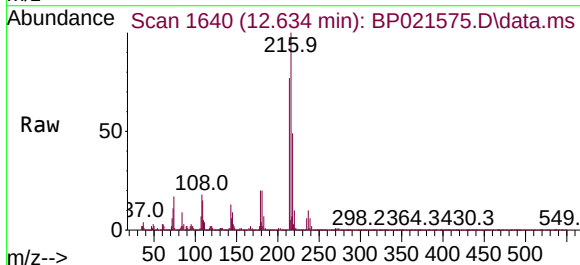
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

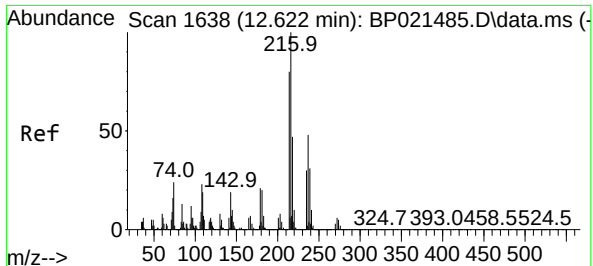


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.541 ng  
RT: 12.634 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:216 Resp: 1175676  
Ion Ratio Lower Upper  
216 100  
214 78.2 62.5 93.7  
179 20.6 16.4 24.6  
108 20.7 16.7 25.1







#41

Hexachlorocyclopentadiene

Concen: 46.834 ng

RT: 12.616 min Scan# 1637

Delta R.T. -0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

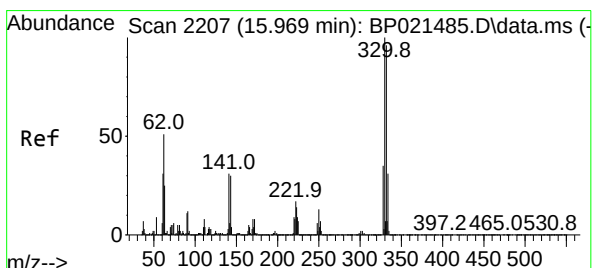
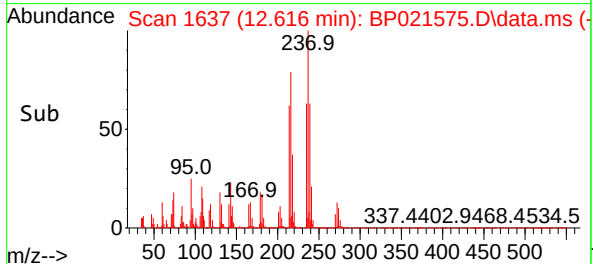
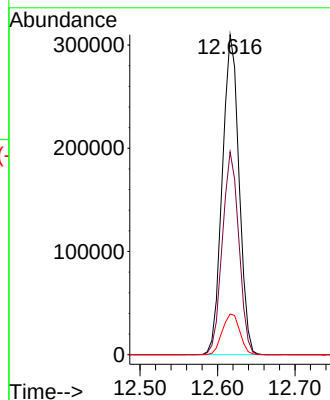
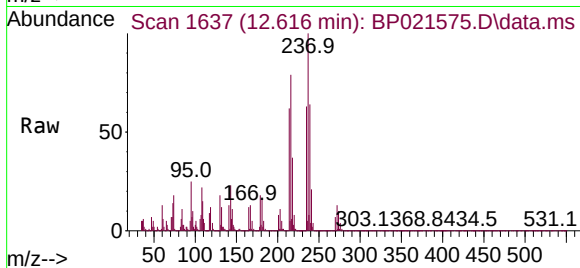
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 237   | Resp: | 464850 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.4  | 43.9  | 83.9   |
| 272       | 12.7  | 0.0   | 33.3   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#42

2,4,6-Tribromophenol

Concen: 95.320 ng

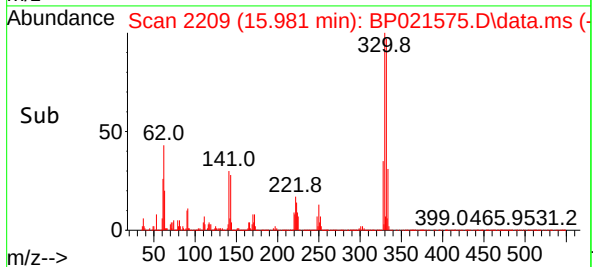
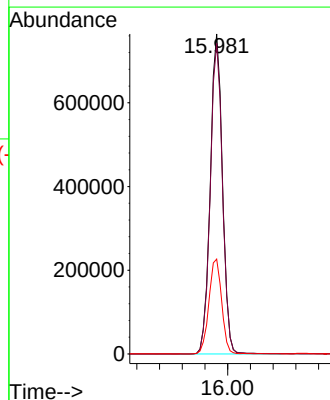
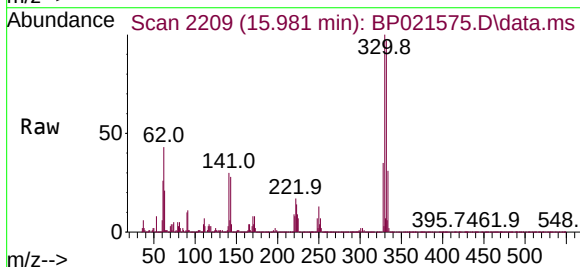
RT: 15.981 min Scan# 2209

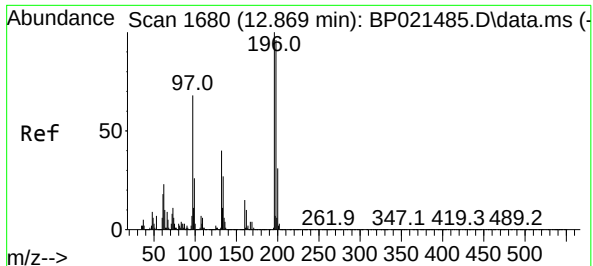
Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

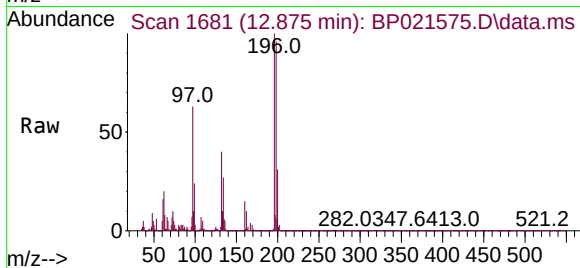
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 330   | Resp: | 1133914 |
| Ion Ratio | Lower | Upper |         |
| 330       | 100   |       |         |
| 332       | 97.2  | 77.4  | 116.0   |
| 141       | 31.0  | 24.5  | 36.7    |





#43  
2,4,6-Trichlorophenol  
Concen: 46.287 ng  
RT: 12.875 min Scan# 1681  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

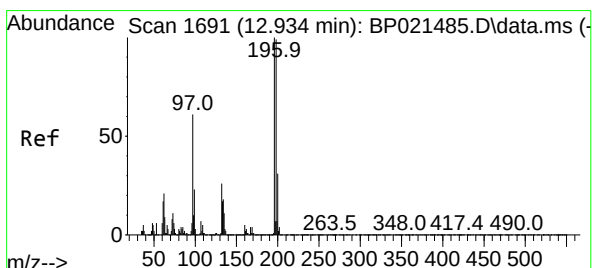
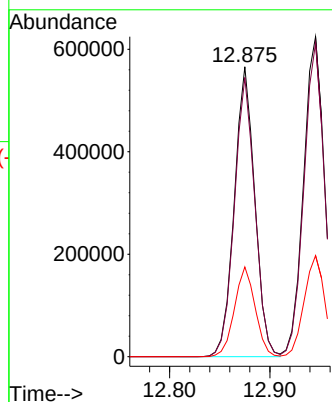
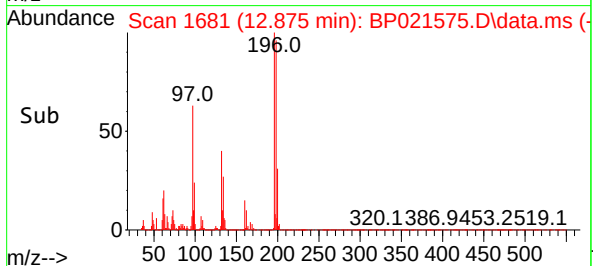
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



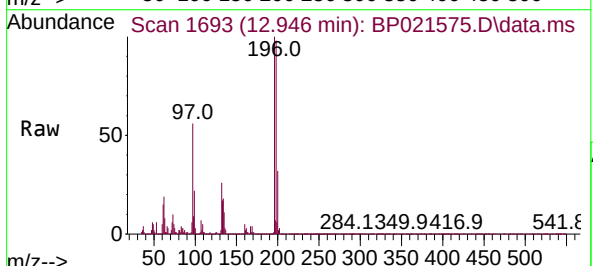
Tgt Ion:196 Resp: 805218  
Ion Ratio Lower Upper  
196 100  
198 96.3 76.6 114.8  
200 30.9 24.5 36.7

Manual Integrations  
APPROVED

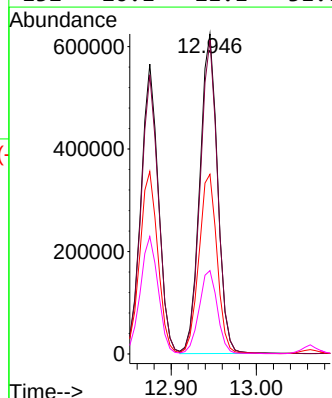
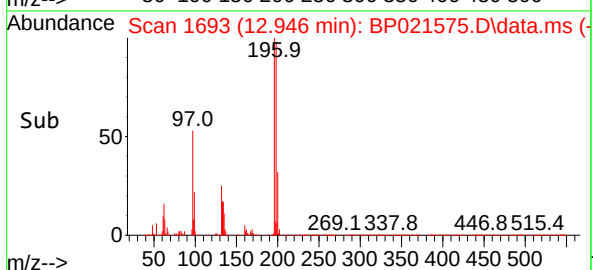
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

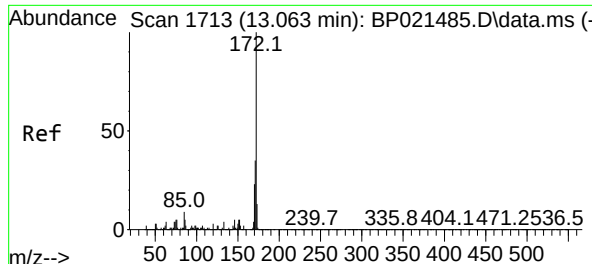


#44  
2,4,5-Trichlorophenol  
Concen: 46.667 ng  
RT: 12.946 min Scan# 1693  
Delta R.T. 0.012 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



Tgt Ion:196 Resp: 901983  
Ion Ratio Lower Upper  
196 100  
198 98.0 78.9 118.3  
97 56.1 49.4 74.0  
132 26.1 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 73.981 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 518127

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

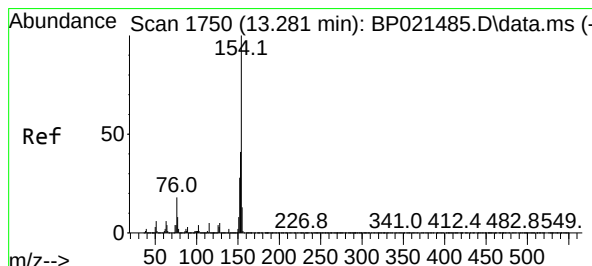
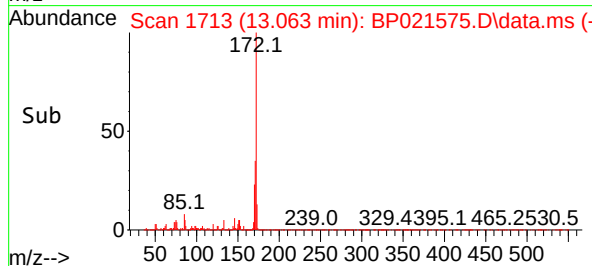
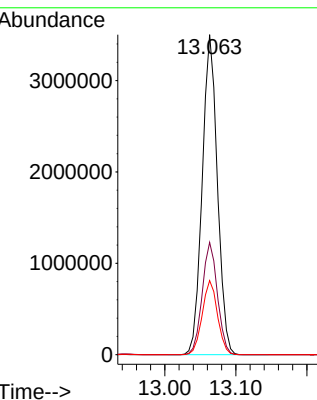
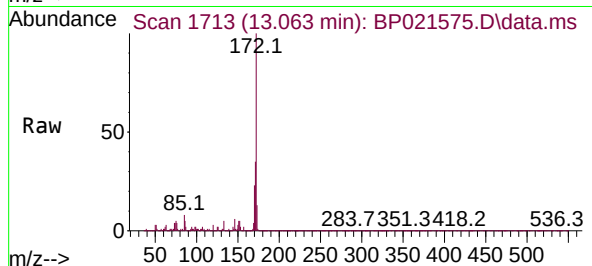
170 23.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#46

1,1'-Biphenyl

Concen: 37.962 ng

RT: 13.281 min Scan# 1750

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

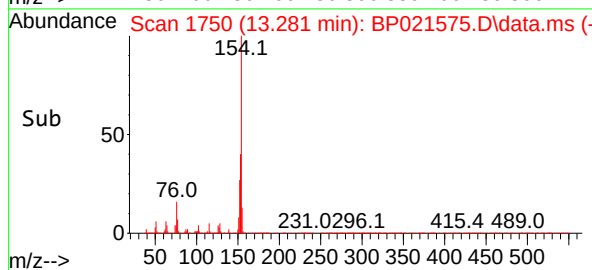
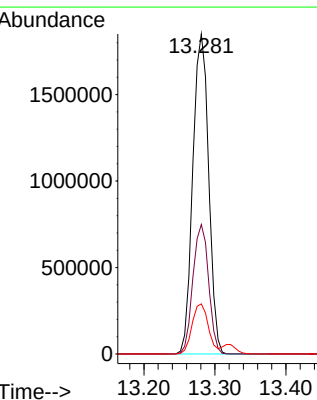
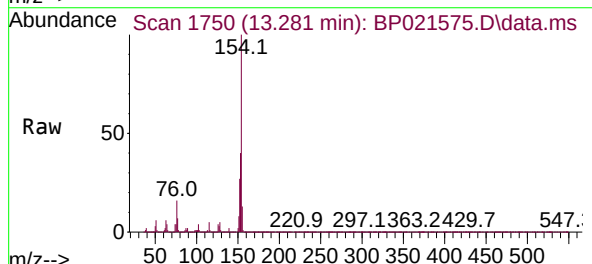
Tgt Ion:154 Resp: 2870734

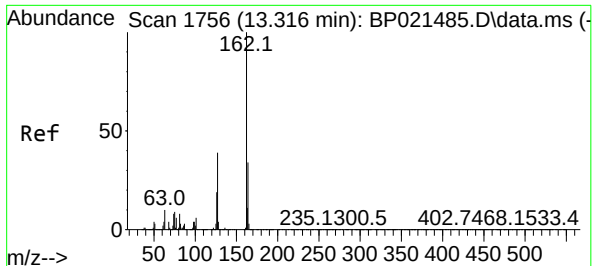
Ion Ratio Lower Upper

154 100

153 40.5 20.7 60.7

76 15.7 0.0 37.7





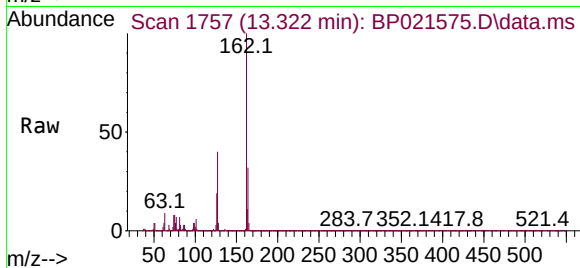
#47  
2-Chloronaphthalene  
Concen: 38.359 ng  
RT: 13.322 min Scan# 1756  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

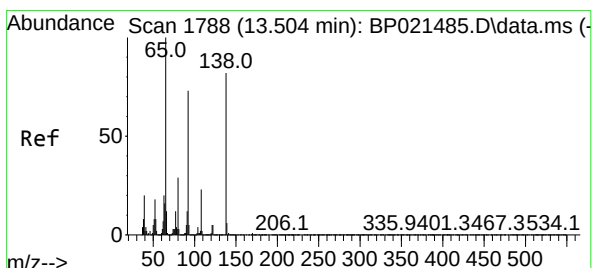
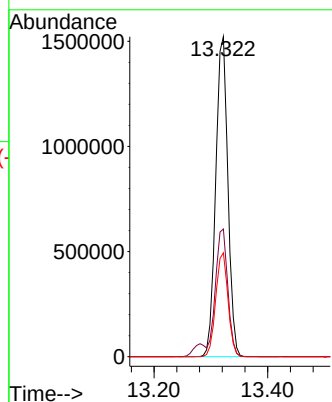
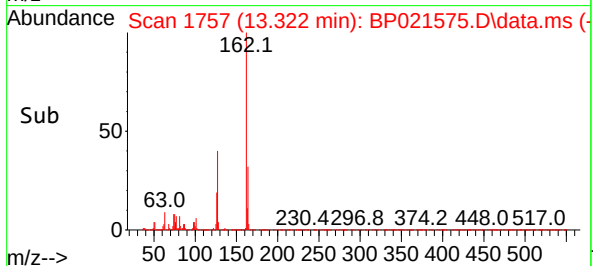


Tgt Ion:162 Resp: 225835  
Ion Ratio Lower Upper  
162 100  
127 39.9 31.9 47.9  
164 32.4 26.8 40.2

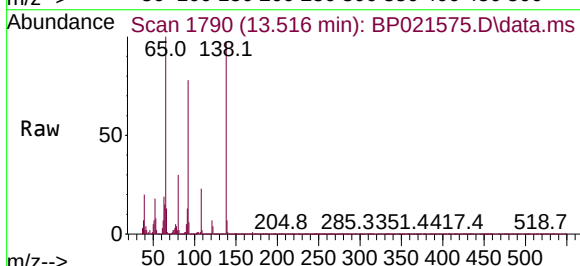
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

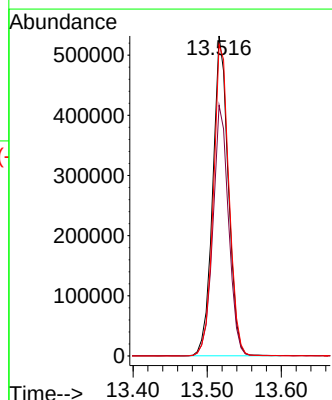
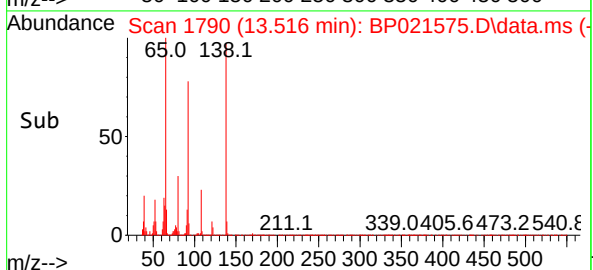
Supervised By :mohammad ahmed 08/22/2024

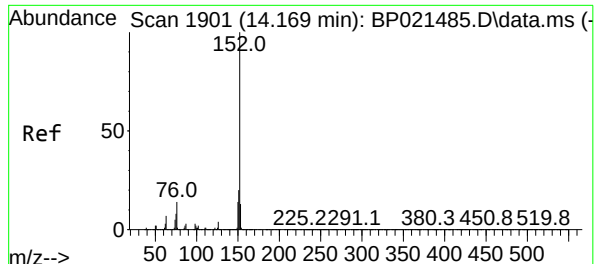


#48  
2-Nitroaniline  
Concen: 47.126 ng  
RT: 13.516 min Scan# 1790  
Delta R.T. 0.012 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40



Tgt Ion: 65 Resp: 775883  
Ion Ratio Lower Upper  
65 100  
92 78.4 58.1 87.1  
138 97.3 65.5 98.3





#49

Acenaphthylene

Concen: 39.430 ng

RT: 14.181 min Scan# 1903

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 341261

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

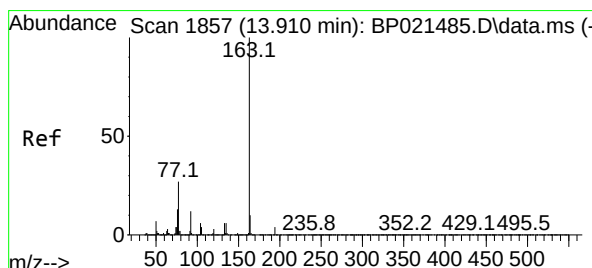
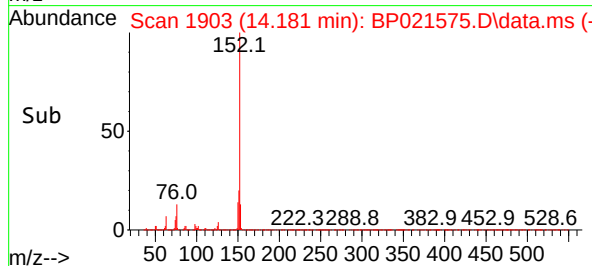
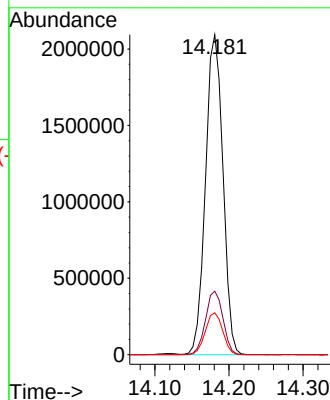
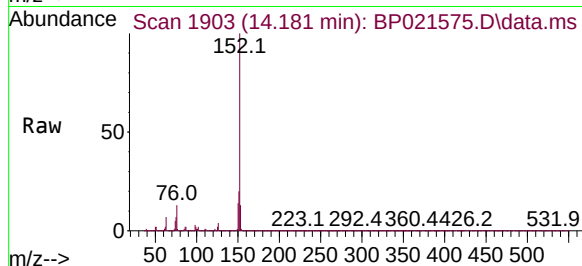
153 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#50

Dimethylphthalate

Concen: 40.557 ng

RT: 13.916 min Scan# 1858

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

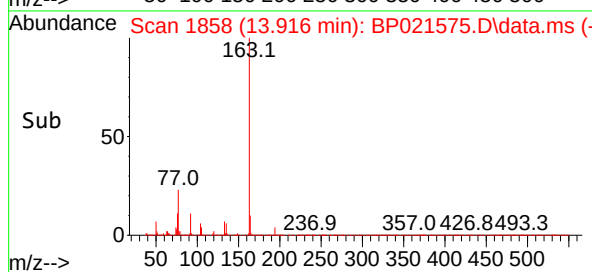
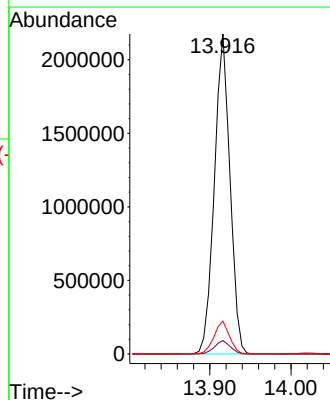
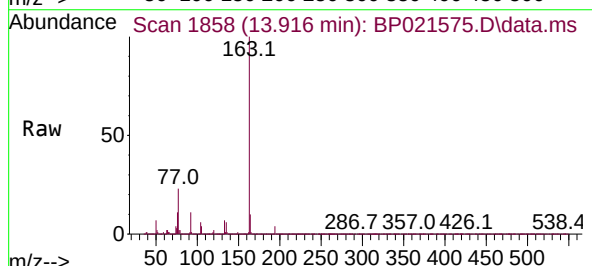
Tgt Ion:163 Resp: 2903067

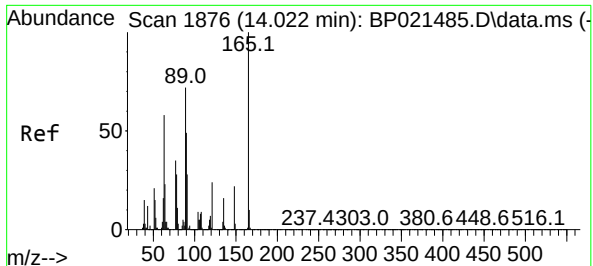
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 10.3 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 46.431 ng  
RT: 14.022 min Scan# 1876  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

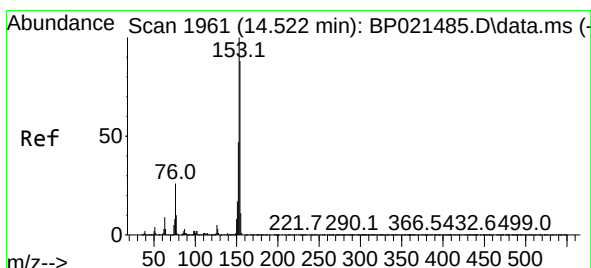
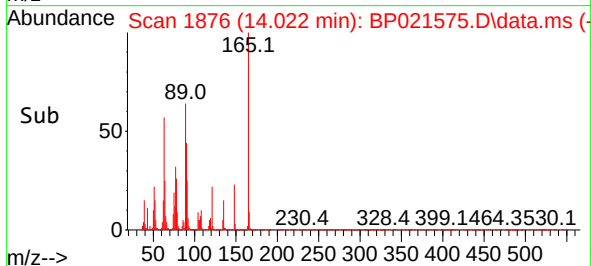
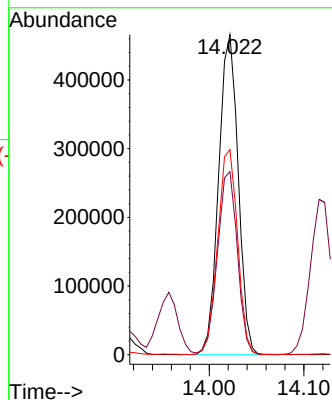
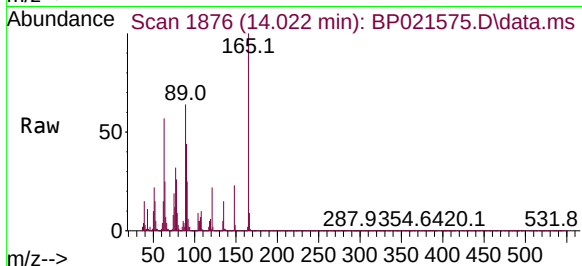
ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 668450  
Ion Ratio Lower Upper  
165 100  
63 57.2 51.5 77.3  
89 64.1 57.8 86.8

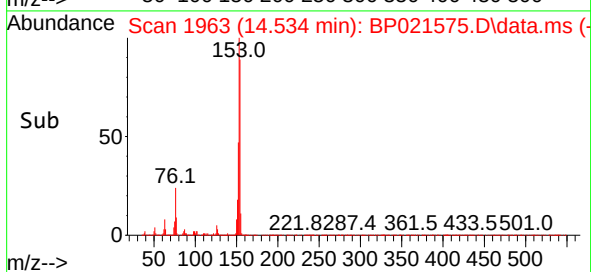
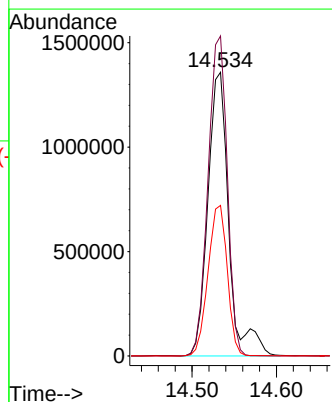
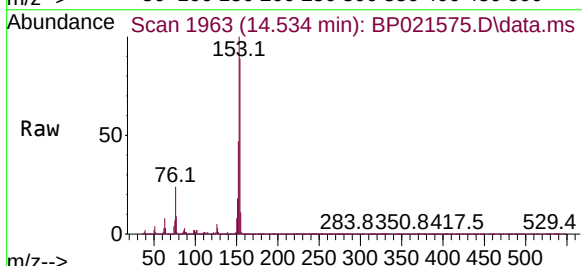
Manual Integrations  
APPROVED

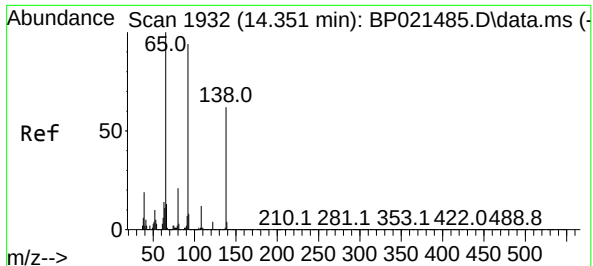
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#52  
Acenaphthene  
Concen: 41.294 ng m  
RT: 14.534 min Scan# 1963  
Delta R.T. 0.012 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:154 Resp: 2344983  
Ion Ratio Lower Upper  
154 100  
153 112.8 91.1 136.7  
152 53.0 43.0 64.4





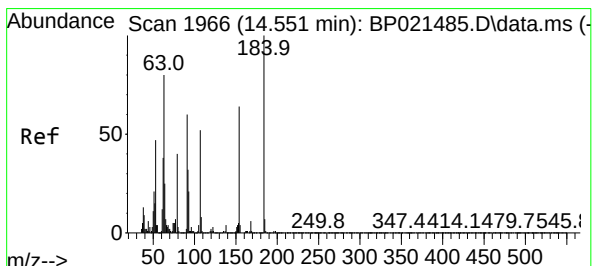
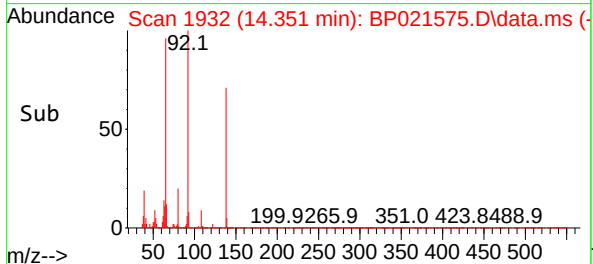
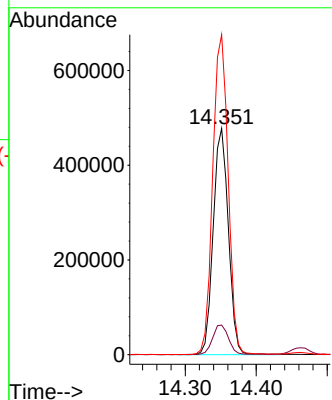
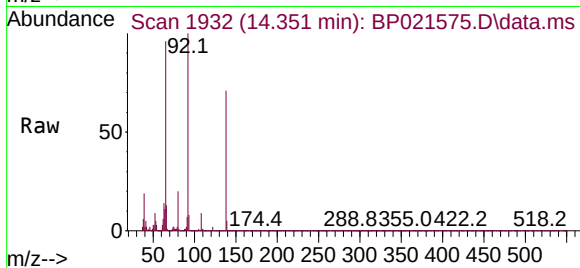
#53  
3-Nitroaniline  
Concen: 49.513 ng  
RT: 14.351 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Tgt Ion:138 Resp: 704840  
Ion Ratio Lower Upper  
138 100  
108 13.1 16.2 24.4  
92 141.5 122.2 183.4

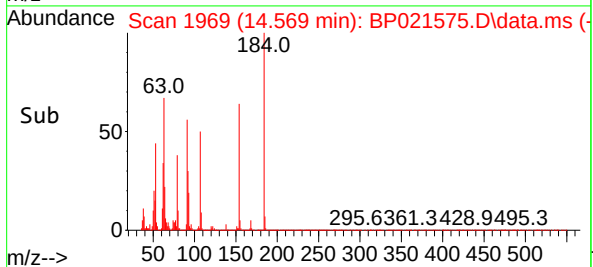
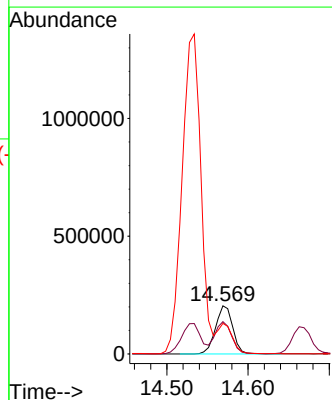
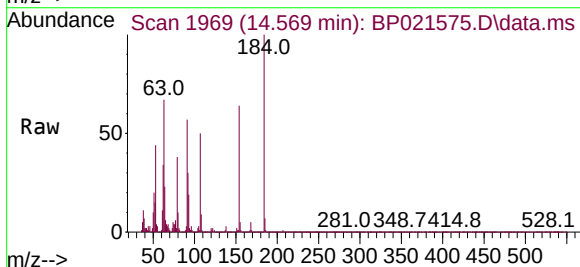
Manual Integrations  
APPROVED

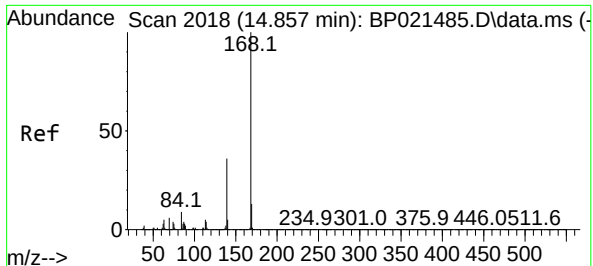
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#54  
2,4-Dinitrophenol  
Concen: 66.049 ng  
RT: 14.569 min Scan# 1969  
Delta R.T. 0.018 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:184 Resp: 301078  
Ion Ratio Lower Upper  
184 100  
63 67.1 64.9 97.3  
154 63.6 52.1 78.1





#55

Dibenzenofuran

Concen: 39.716 ng

RT: 14.869 min Scan# 2018

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 3469479

Ion Ratio Lower Upper

168 100

139 36.6 28.6 43.0

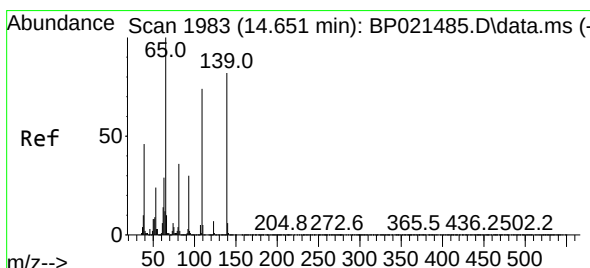
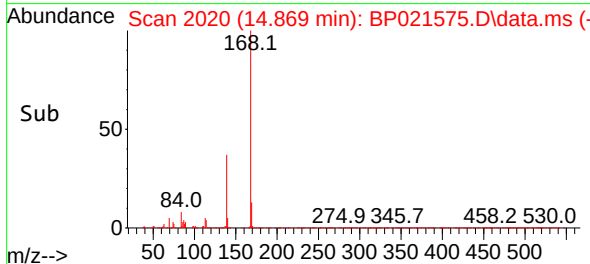
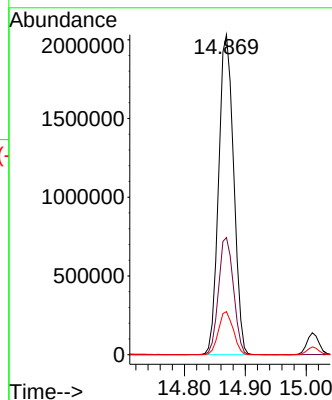
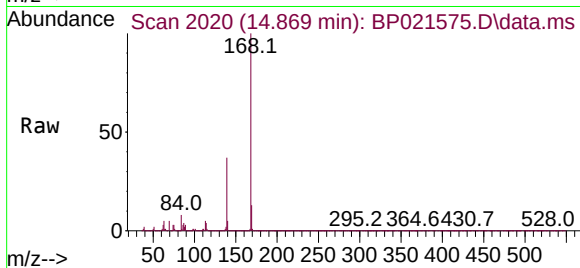
169 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#56

4-Nitrophenol

Concen: 54.273 ng

RT: 14.663 min Scan# 1985

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

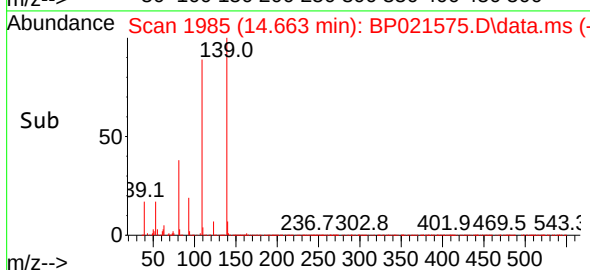
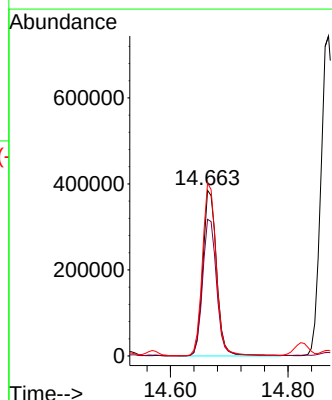
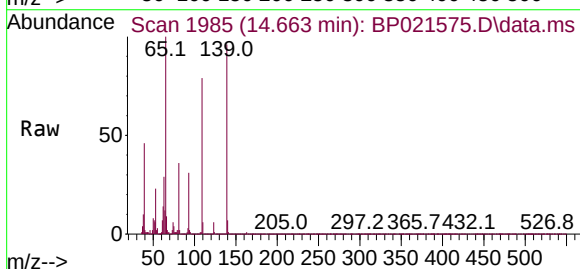
Tgt Ion:139 Resp: 623596

Ion Ratio Lower Upper

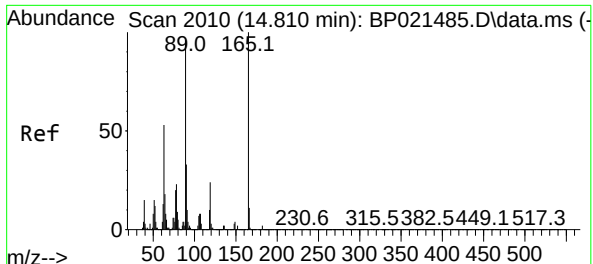
139 100

109 82.5 70.2 110.2

65 104.4 101.8 141.8

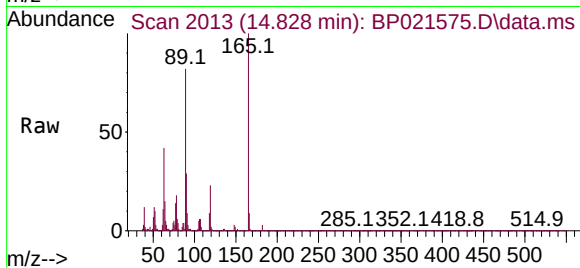






#57  
2,4-Dinitrotoluene  
Concen: 50.859 ng  
RT: 14.828 min Scan# 2010  
Delta R.T. 0.018 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

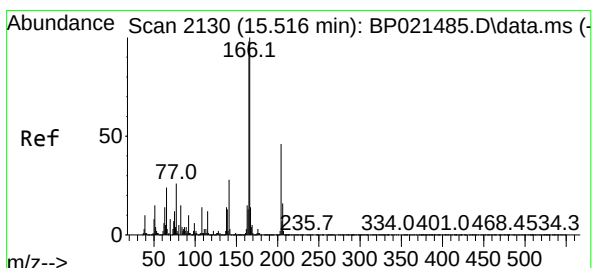
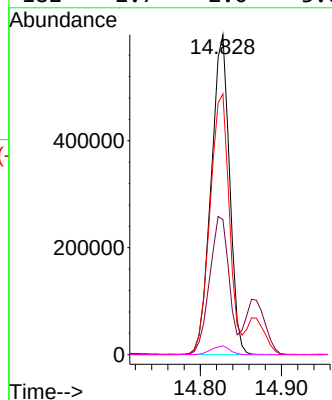
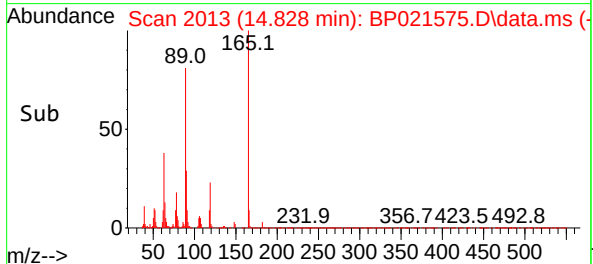
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:165 Resp: 94026  
Ion Ratio Lower Upper  
165 100  
63 42.2 42.5 63.7  
89 81.5 77.1 115.7  
182 2.7 2.0 3.0

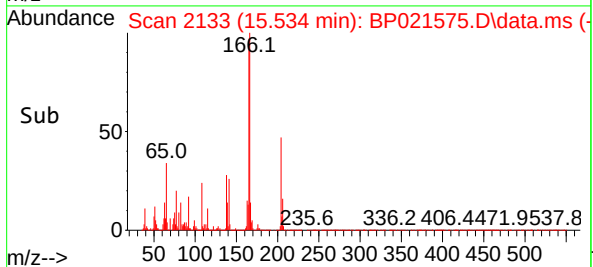
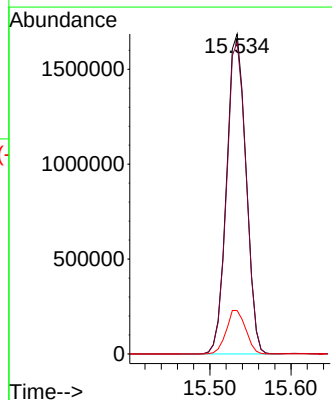
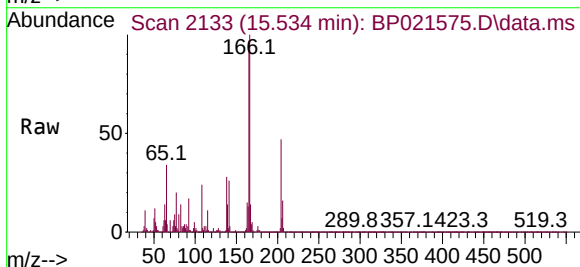
Manual Integrations  
APPROVED

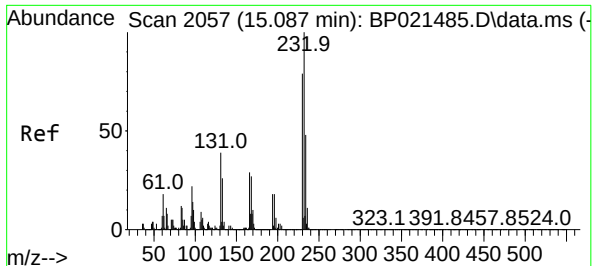
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#58  
Fluorene  
Concen: 39.039 ng  
RT: 15.534 min Scan# 2133  
Delta R.T. 0.018 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:166 Resp: 2801684  
Ion Ratio Lower Upper  
166 100  
165 97.4 78.1 117.1  
167 13.5 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 47.986 ng

RT: 15.092 min Scan# 2058

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 787234

Ion Ratio Lower Upper

232 100

131 42.3 33.1 49.7

130 2.3 1.7 2.5

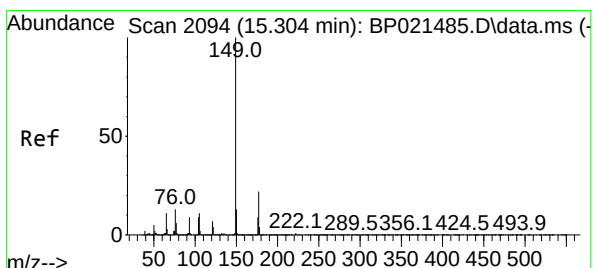
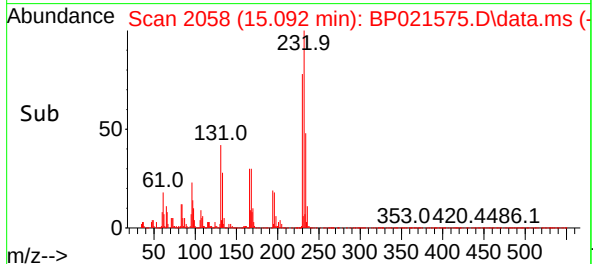
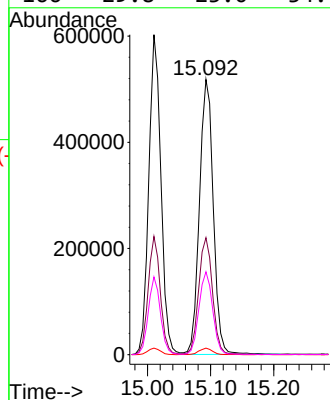
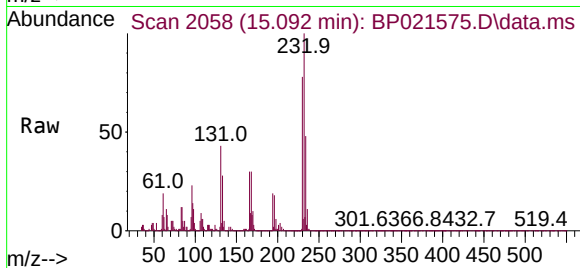
166 29.8 23.0 34.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#60

Diethylphthalate

Concen: 41.319 ng

RT: 15.304 min Scan# 2094

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

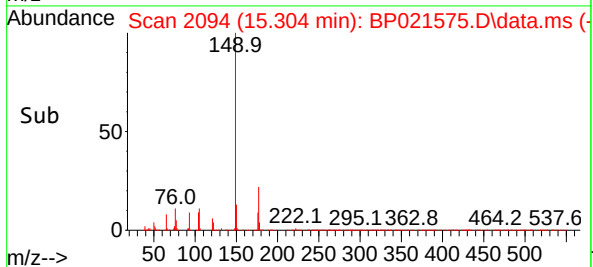
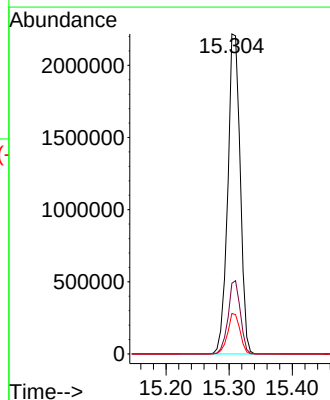
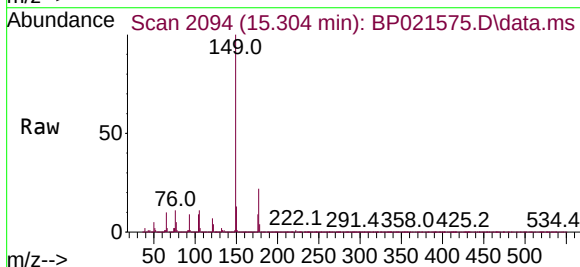
Tgt Ion:149 Resp: 3034612

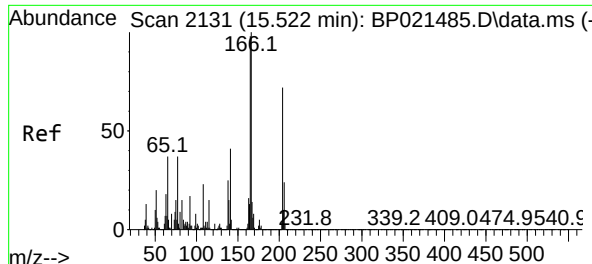
Ion Ratio Lower Upper

149 100

177 22.1 17.8 26.8

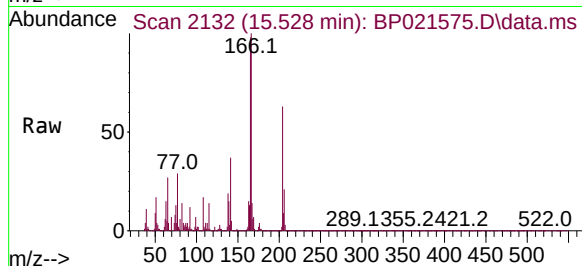
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 37.977 ng  
RT: 15.528 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

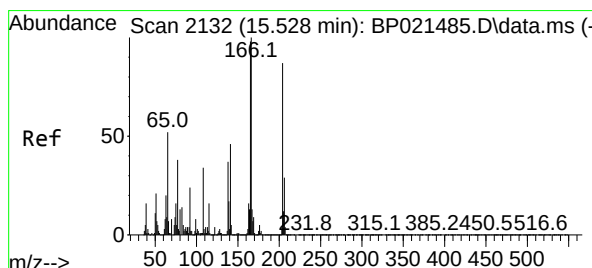
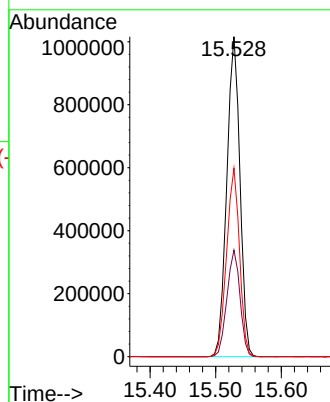
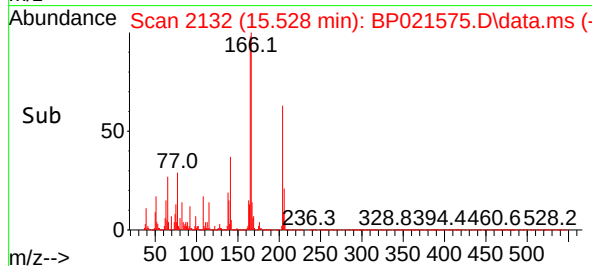
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:204 Resp: 140881  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.4 39.6  
141 58.9 46.1 69.1

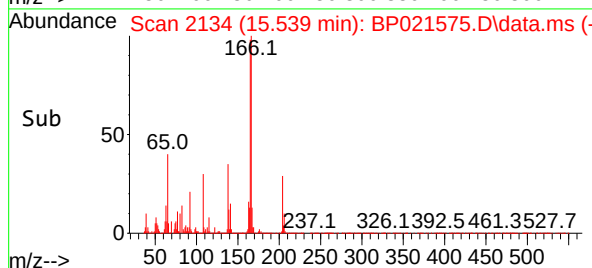
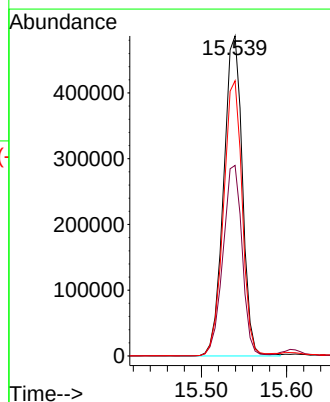
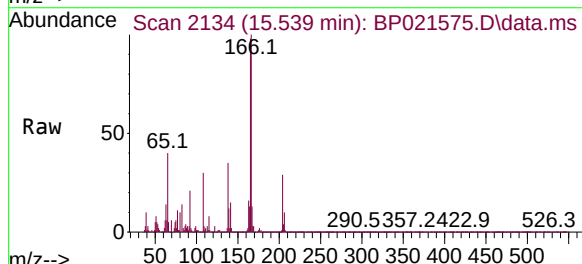
Manual Integrations  
APPROVED

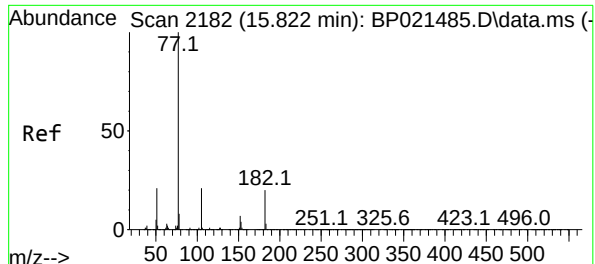
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#62  
4-Nitroaniline  
Concen: 50.846 ng  
RT: 15.539 min Scan# 2134  
Delta R.T. 0.011 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:138 Resp: 744682  
Ion Ratio Lower Upper  
138 100  
92 59.5 46.4 86.4  
108 86.0 73.2 113.2





#63

Azobenzene

Concen: 35.641 ng

RT: 15.822 min Scan# 2182

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 3217680

Ion Ratio Lower Upper

77 100

182 21.9 0.0 39.9

105 22.3 0.9 40.9

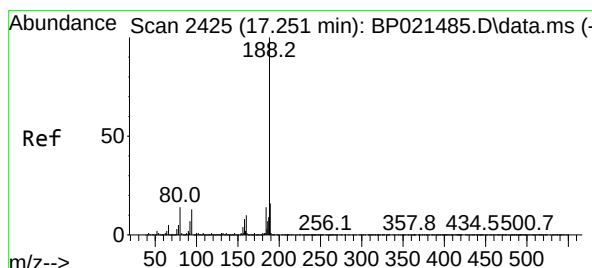
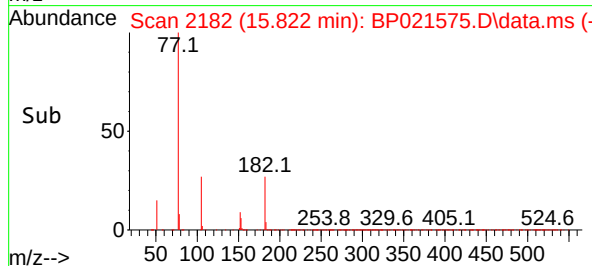
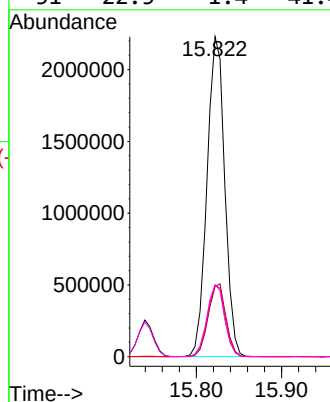
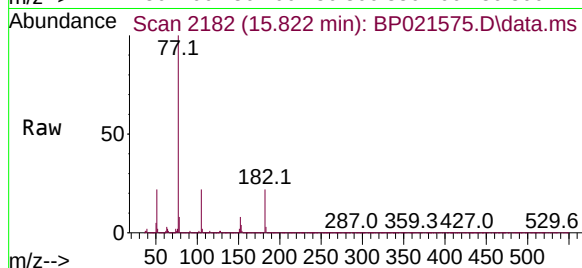
51 22.5 1.4 41.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.275 min Scan# 2429

Delta R.T. 0.023 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

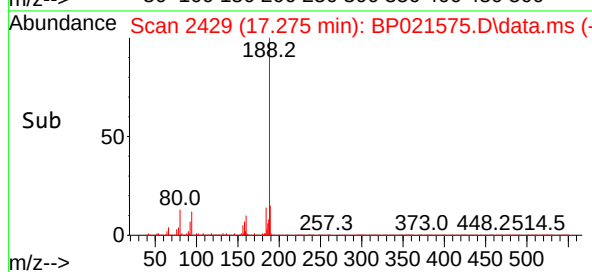
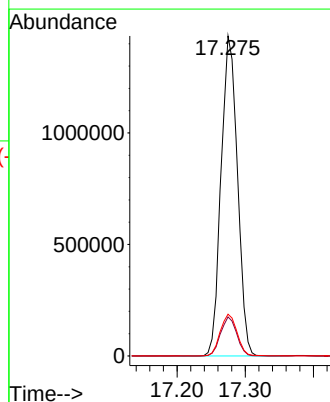
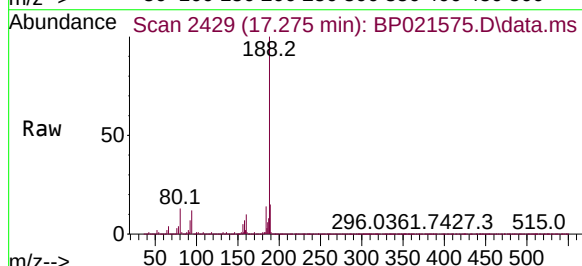
Tgt Ion:188 Resp: 2403929

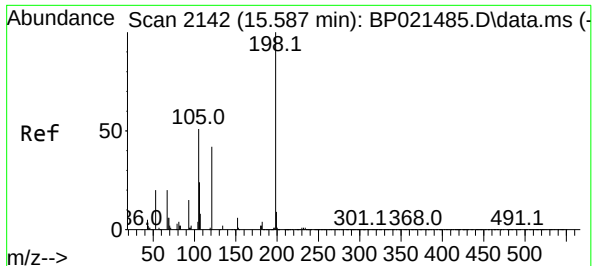
Ion Ratio Lower Upper

188 100

94 12.2 10.2 15.4

80 13.1 11.6 17.4





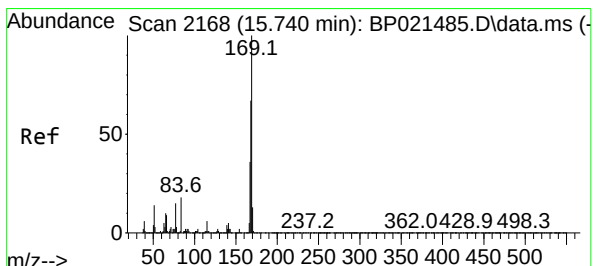
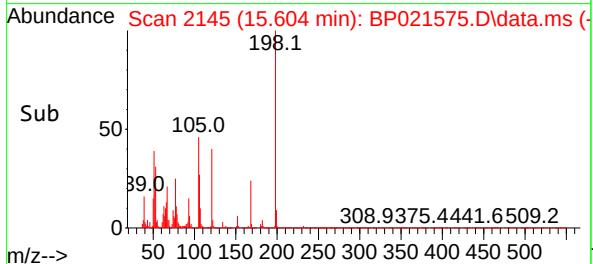
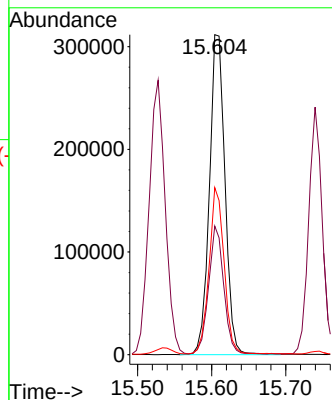
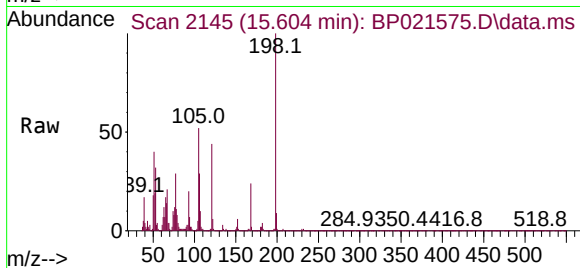
#65  
4,6-Dinitro-2-methylphenol  
Concen: 58.431 ng  
RT: 15.604 min Scan# 2142  
Delta R.T. 0.017 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040

Tgt Ion:198 Resp: 455554  
Ion Ratio Lower Upper  
198 100  
51 40.2 21.5 61.5  
105 52.2 32.9 72.9

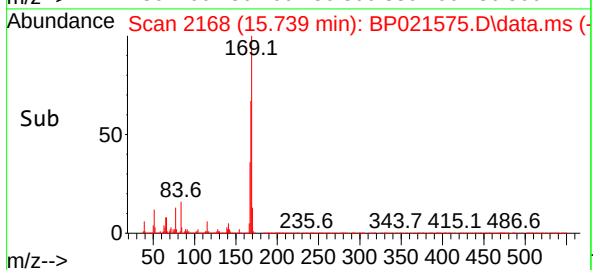
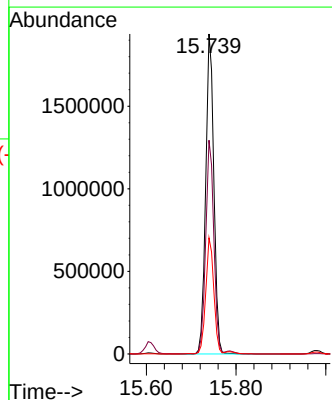
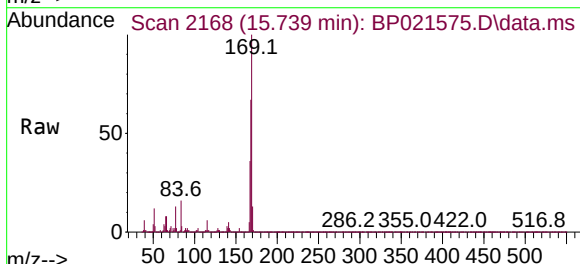
Manual Integrations  
APPROVED

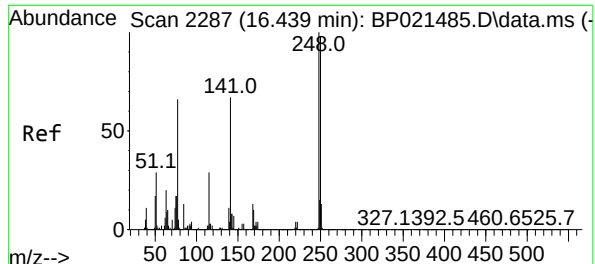
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#66  
n-Nitrosodiphenylamine  
Concen: 37.750 ng  
RT: 15.739 min Scan# 2168  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:169 Resp: 2431907  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.4 80.2  
167 36.3 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 37.008 ng  
RT: 16.439 min Scan# 2287  
Delta R.T. -0.000 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

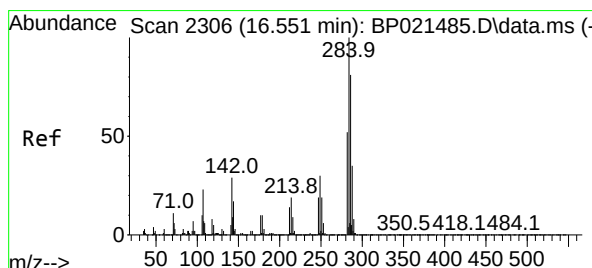
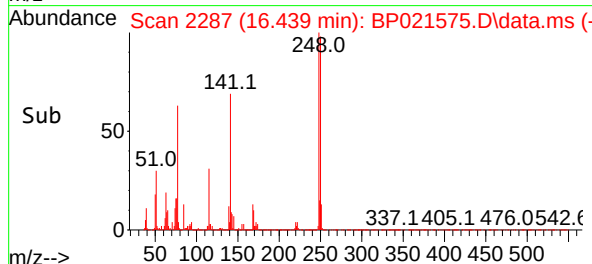
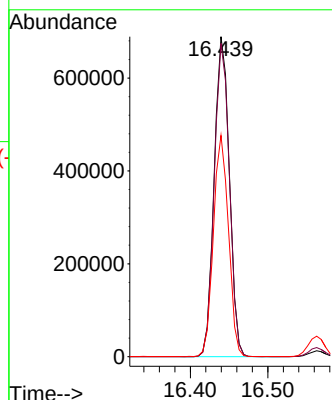
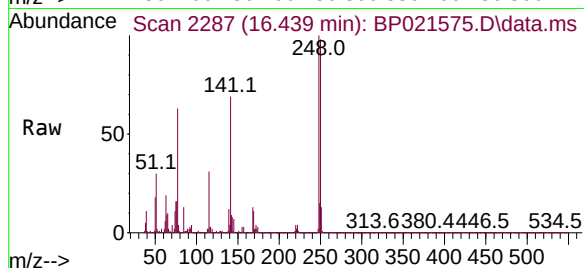
ClientSampleId :

SSTDCCC040

Tgt Ion:248 Resp: 941570  
Ion Ratio Lower Upper  
248 100  
250 97.9 78.6 117.8  
141 69.2 53.9 80.9

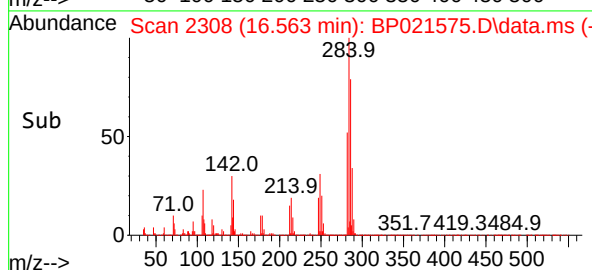
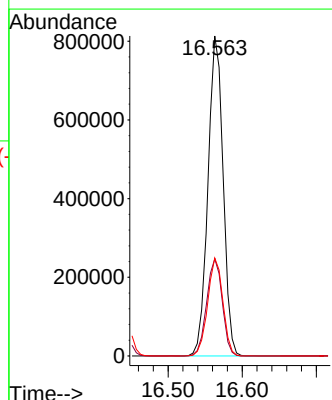
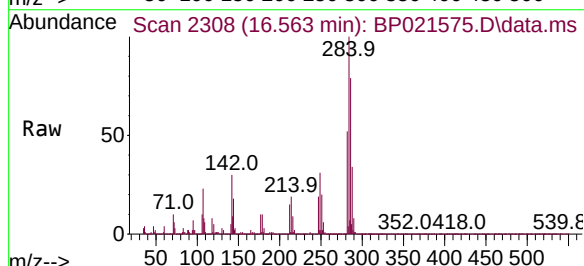
Manual Integrations  
APPROVED

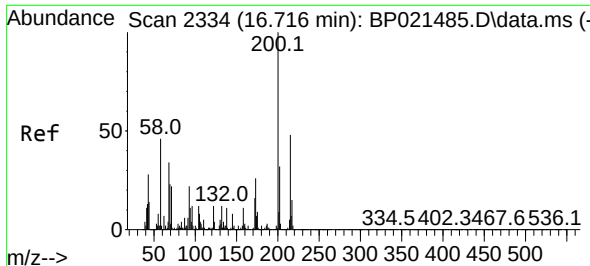
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#68  
Hexachlorobenzene  
Concen: 38.408 ng  
RT: 16.563 min Scan# 2308  
Delta R.T. 0.012 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:284 Resp: 1154799  
Ion Ratio Lower Upper  
284 100  
142 30.3 23.4 35.2  
249 30.6 24.1 36.1





#69

Atrazine

Concen: 31.853 ng

RT: 16.722 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 70453

Ion Ratio Lower Upper

200 100

173 26.0 6.2 46.2

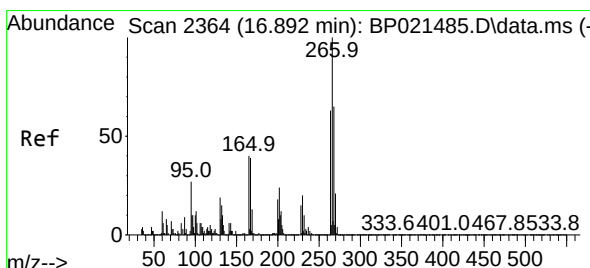
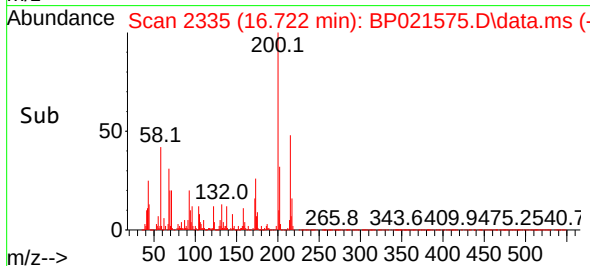
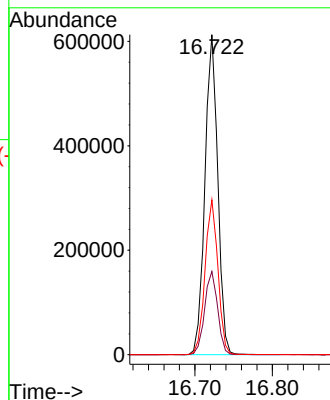
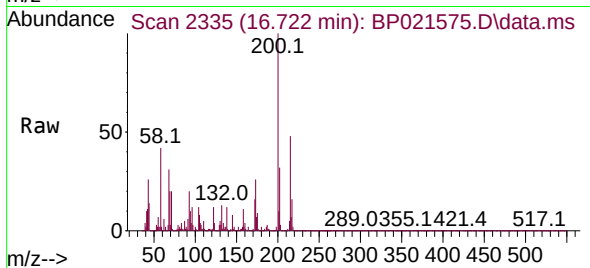
215 48.4 28.4 68.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#70

Pentachlorophenol

Concen: 49.250 ng

RT: 16.916 min Scan# 2368

Delta R.T. 0.024 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

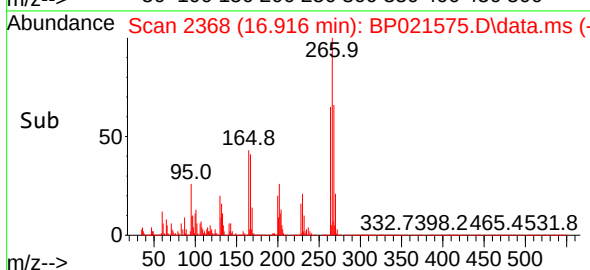
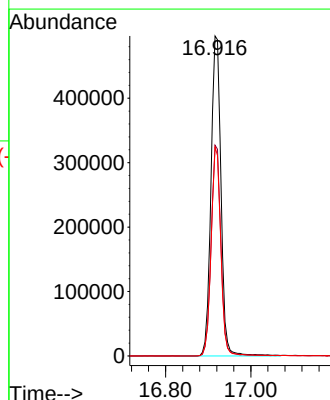
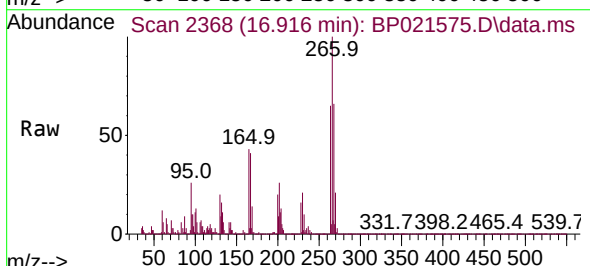
Tgt Ion:266 Resp: 808216

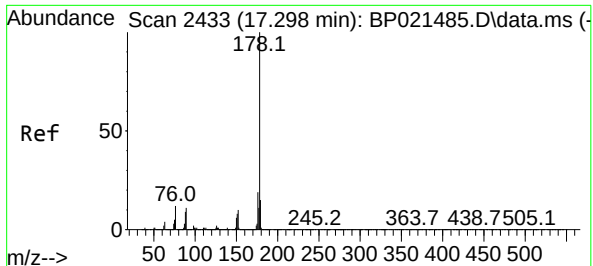
Ion Ratio Lower Upper

266 100

268 65.9 51.8 77.6

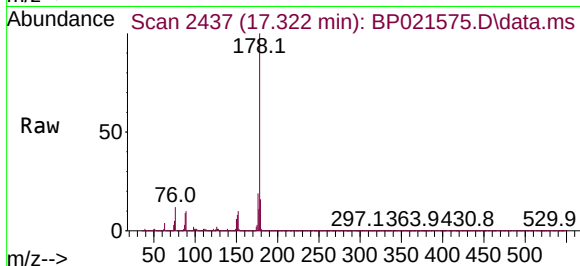
264 65.3 50.5 75.7





#71  
Phenanthrene  
Concen: 39.464 ng  
RT: 17.322 min Scan# 2433  
Delta R.T. 0.023 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

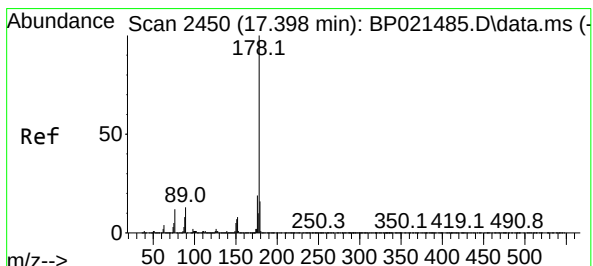
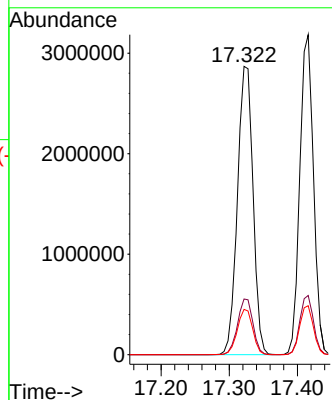
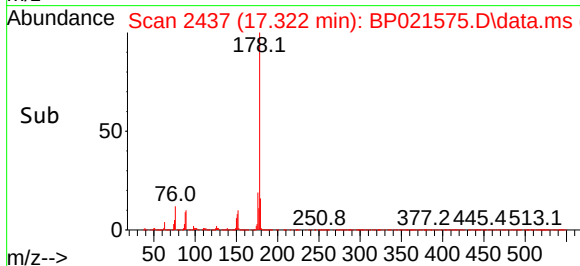
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:178 Resp: 4562430  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.7 12.4 18.6

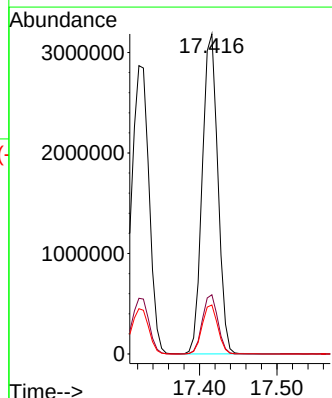
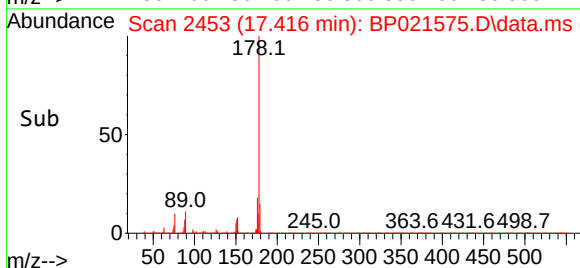
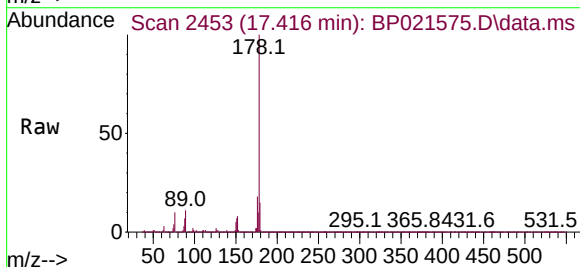
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

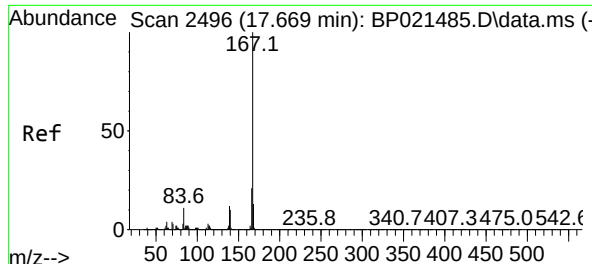


#72  
Anthracene  
Concen: 39.216 ng  
RT: 17.416 min Scan# 2453  
Delta R.T. 0.018 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:178 Resp: 4446404  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.3 12.5 18.7

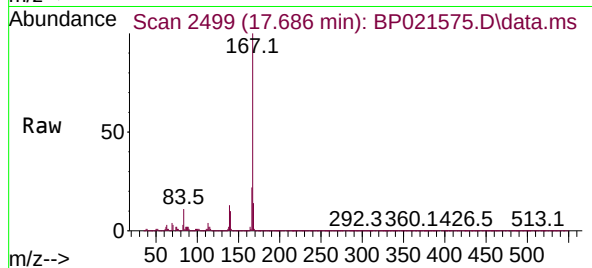






#73  
 Carbazole  
 Concen: 41.477 ng  
 RT: 17.686 min Scan# 2499  
 Delta R.T. 0.018 min  
 Lab File: BP021575.D  
 Acq: 20 Aug 2024 16:40

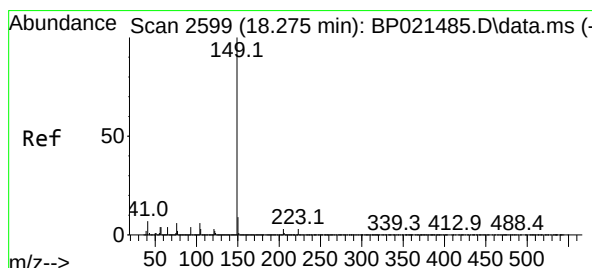
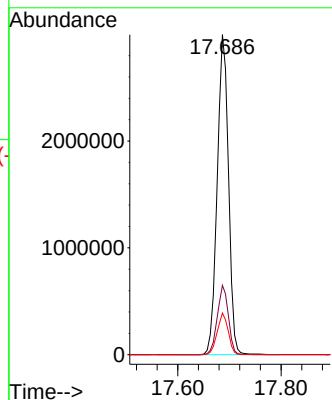
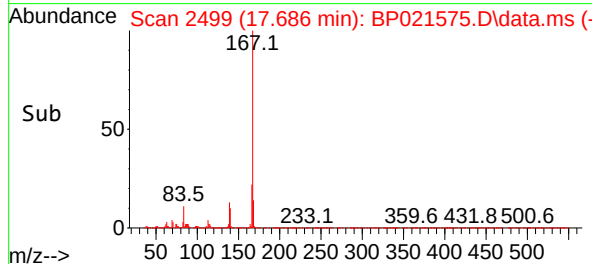
Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTDCCC040



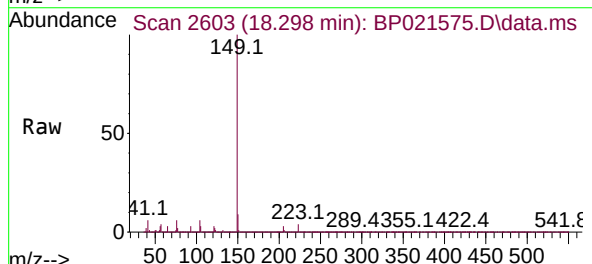
Tgt Ion:167 Resp: 4532118  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.0 25.4  
 139 13.0 9.9 14.9

Manual Integrations  
 APPROVED

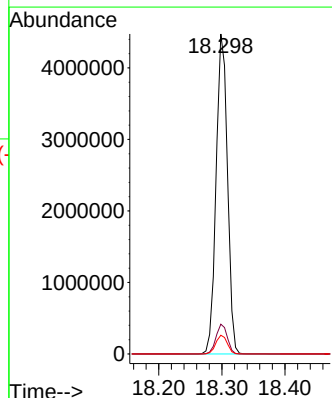
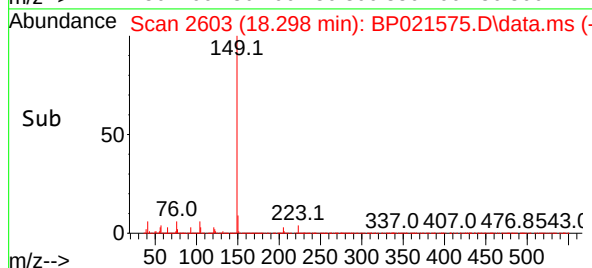
Reviewed By :Yogesh Patel 08/21/2024  
 Supervised By :mohammad ahmed 08/22/2024

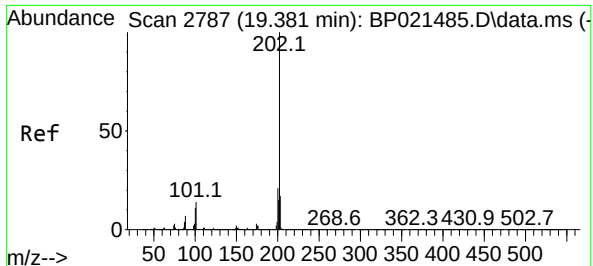


#74  
 Di-n-butylphthalate  
 Concen: 41.587 ng  
 RT: 18.298 min Scan# 2603  
 Delta R.T. 0.023 min  
 Lab File: BP021575.D  
 Acq: 20 Aug 2024 16:40



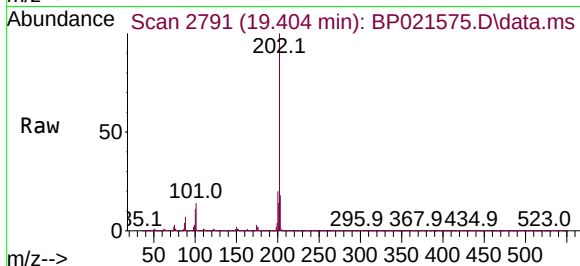
Tgt Ion:149 Resp: 5580792  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.5 11.3  
 104 5.9 4.9 7.3





#75  
Fluoranthene  
Concen: 41.680 ng  
RT: 19.404 min Scan# 21  
Delta R.T. 0.023 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

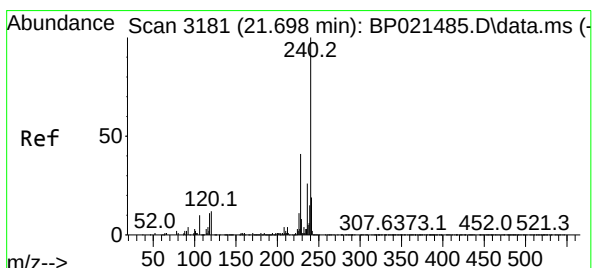
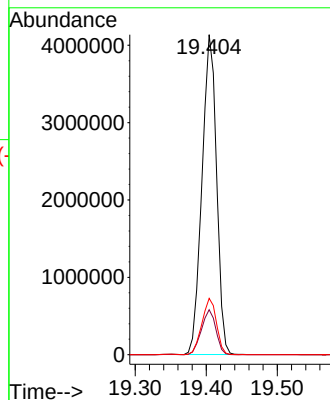
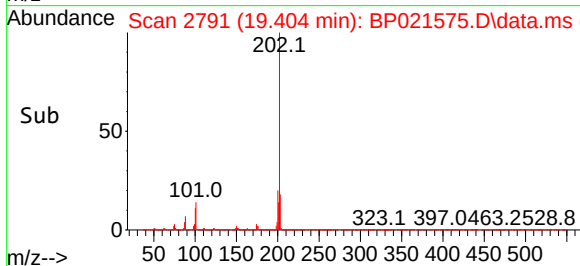
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:202 Resp: 591243  
Ion Ratio Lower Upper  
202 100  
101 14.0 0.0 34.0  
203 17.6 0.0 37.5

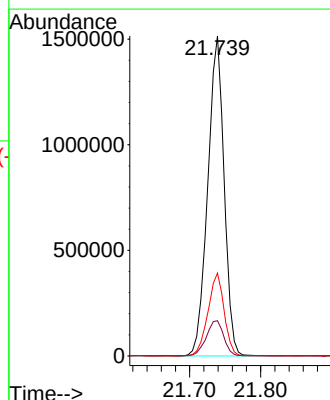
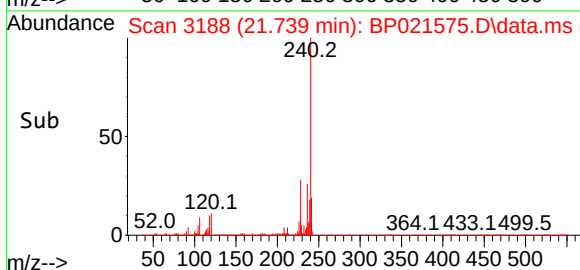
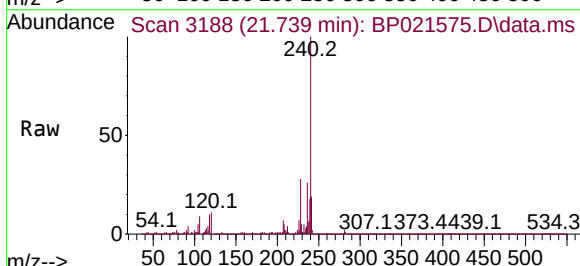
Manual Integrations  
APPROVED

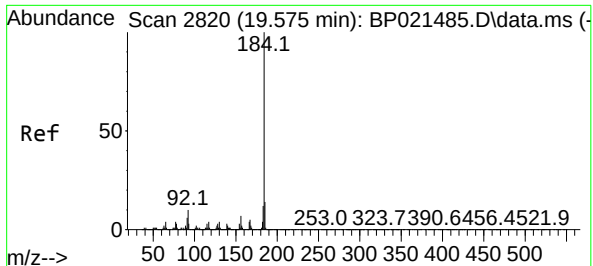
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.739 min Scan# 3188  
Delta R.T. 0.041 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

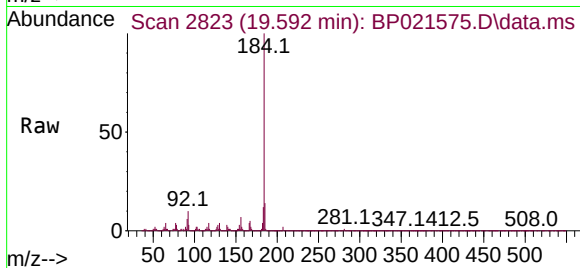
Tgt Ion:240 Resp: 2426350  
Ion Ratio Lower Upper  
240 100  
120 11.0 9.9 14.9  
236 25.9 20.6 30.8





#77  
Benzidine  
Concen: 35.722 ng  
RT: 19.592 min Scan# 2823  
Delta R.T. 0.017 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

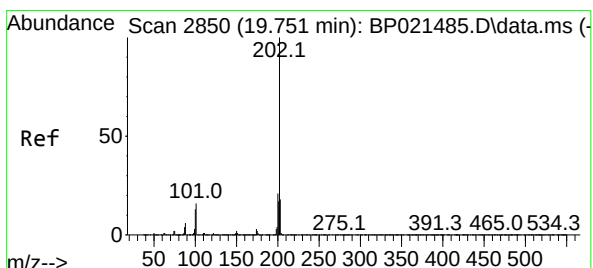
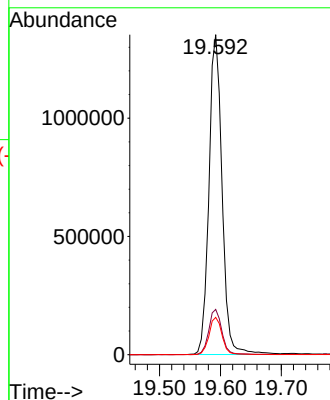
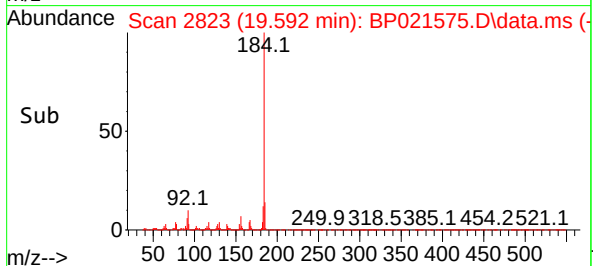
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:184 Resp: 2026298  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.4 17.0  
183 11.7 9.3 13.9

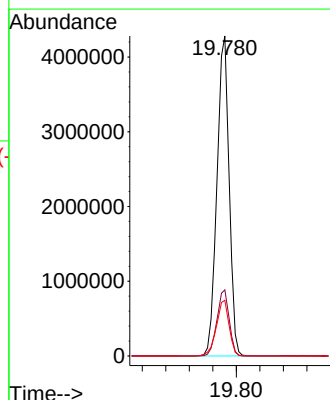
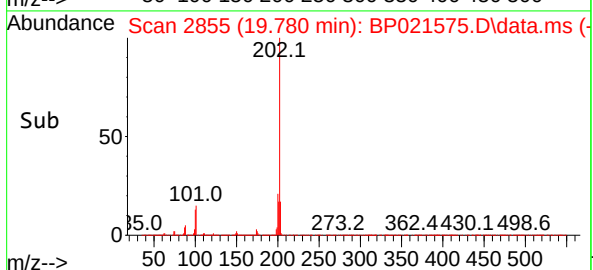
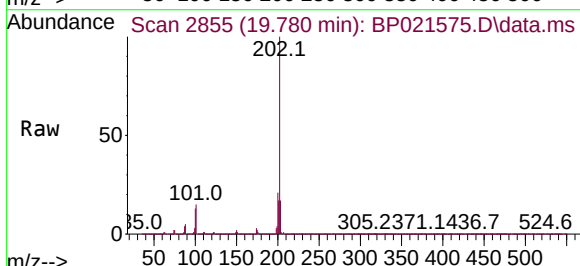
Manual Integrations  
APPROVED

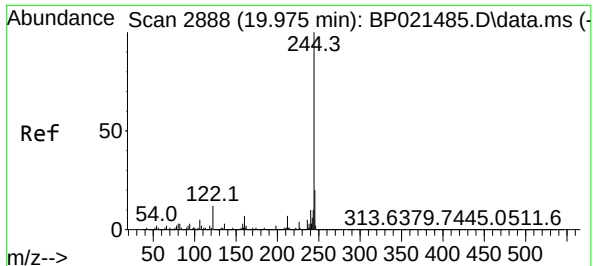
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#78  
Pyrene  
Concen: 38.762 ng  
RT: 19.780 min Scan# 2855  
Delta R.T. 0.029 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:202 Resp: 6147221  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.7 25.1  
203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 74.447 ng

RT: 19.998 min Scan# 2892

Delta R.T. 0.023 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 9297974

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

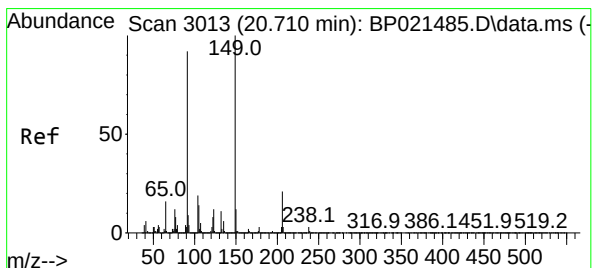
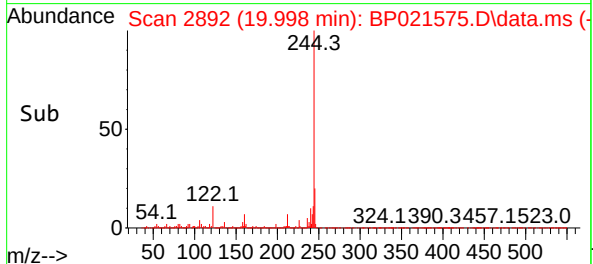
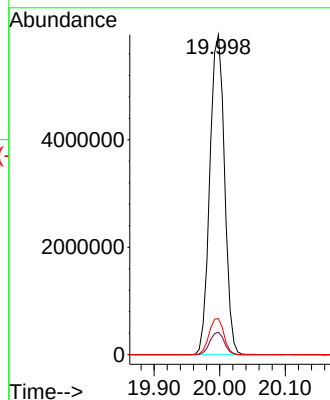
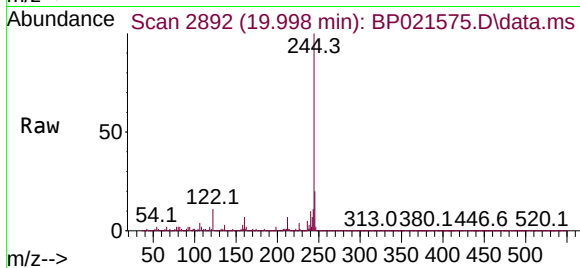
122 11.3 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#80

Butylbenzylphthalate

Concen: 44.200 ng

RT: 20.722 min Scan# 3015

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

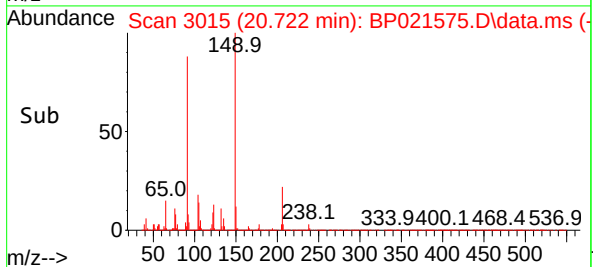
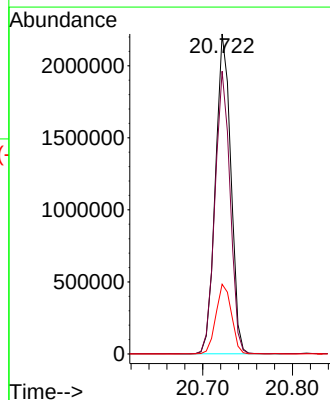
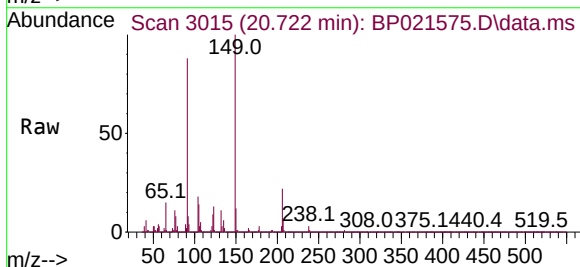
Tgt Ion:149 Resp: 2641829

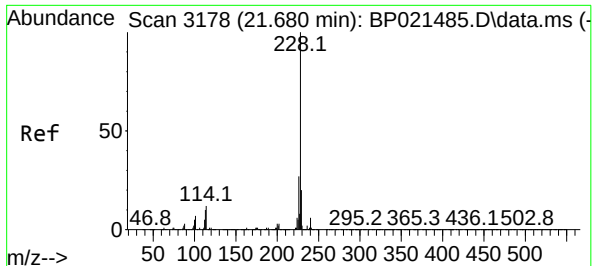
Ion Ratio Lower Upper

149 100

91 88.4 73.3 109.9

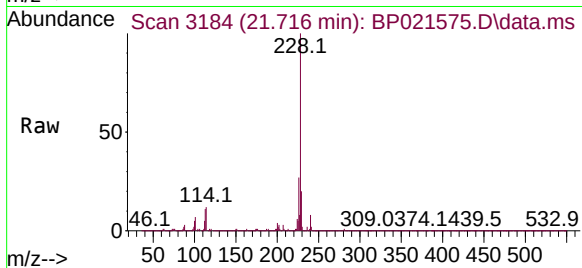
206 21.8 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 39.950 ng  
RT: 21.716 min Scan# 3178  
Delta R.T. 0.035 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

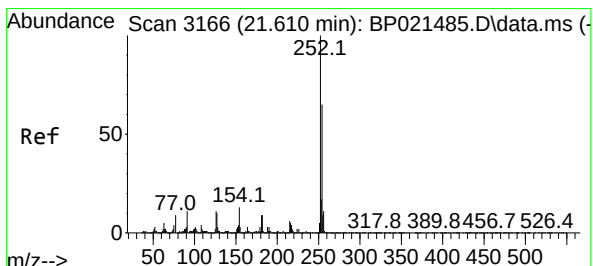
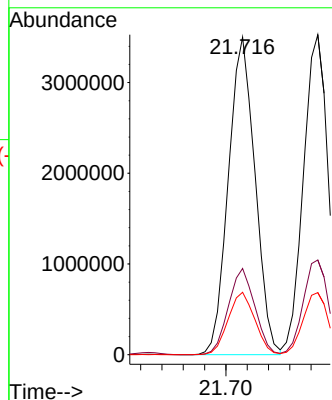
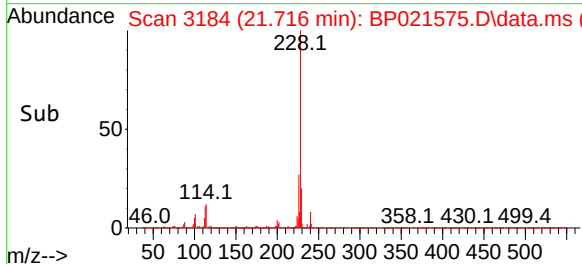
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:228 Resp: 6085084  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.4 32.2  
229 19.6 15.8 23.6

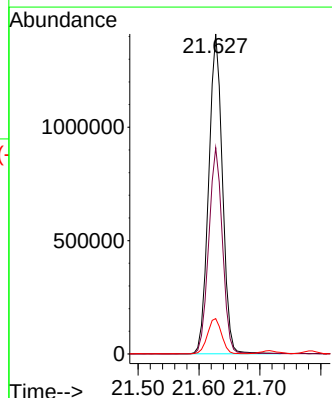
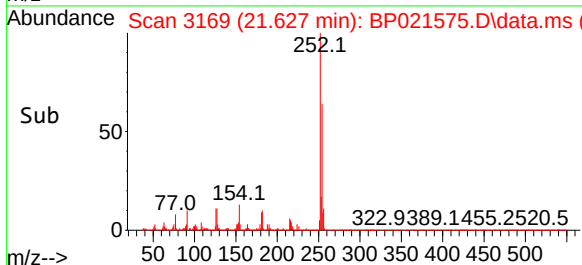
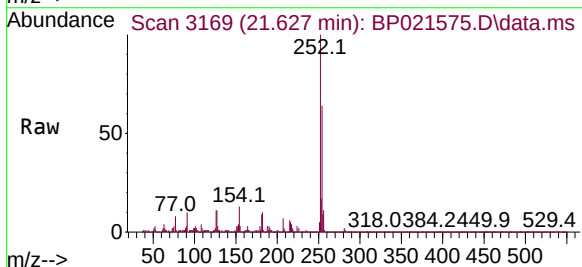
Manual Integrations  
APPROVED

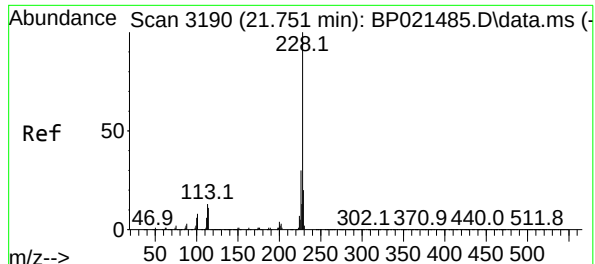
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 45.379 ng  
RT: 21.627 min Scan# 3169  
Delta R.T. 0.018 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:252 Resp: 2216157  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.7 77.5  
126 11.1 8.7 13.1





#83

Chrysene

Concen: 39.553 ng

RT: 21.786 min Scan# 3196

Delta R.T. 0.035 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 5688074

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

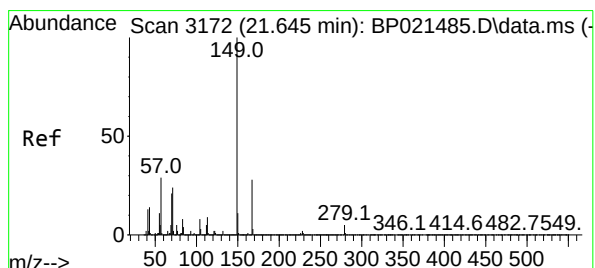
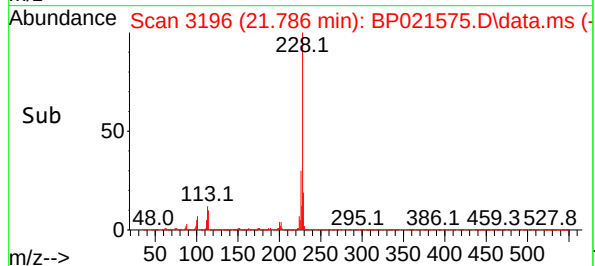
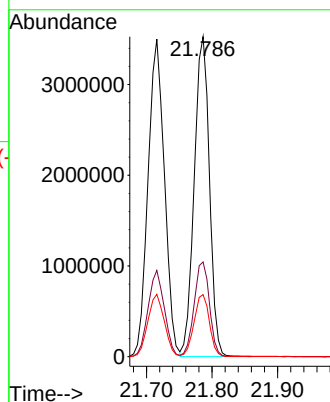
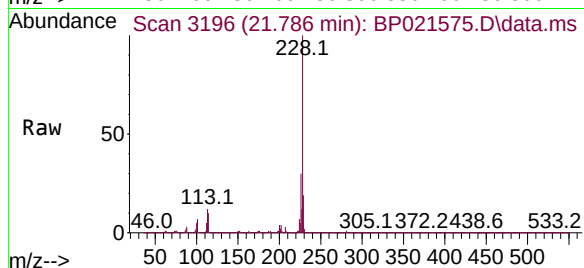
229 19.4 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.083 ng

RT: 21.663 min Scan# 3175

Delta R.T. 0.018 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

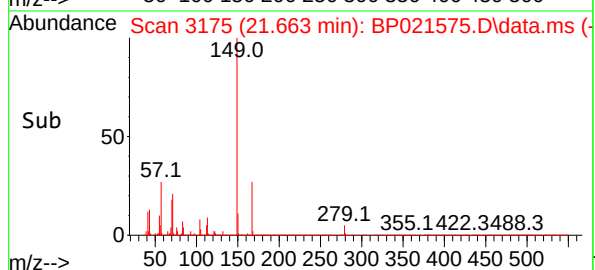
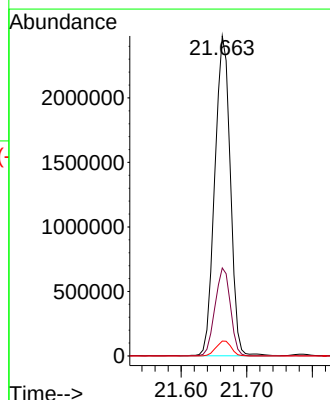
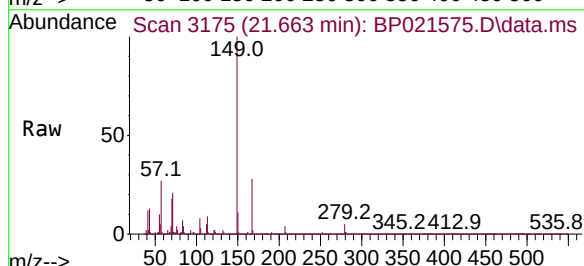
Tgt Ion:149 Resp: 4058627

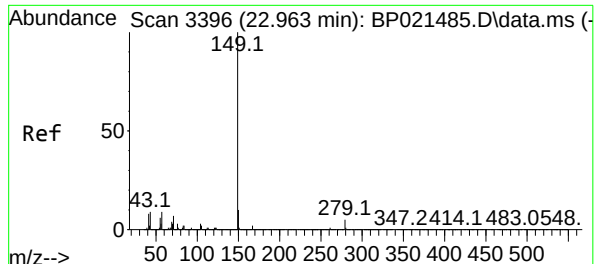
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

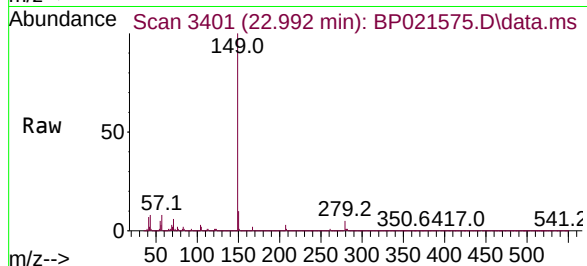
279 4.6 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 45.068 ng  
RT: 22.992 min Scan# 3401  
Delta R.T. 0.029 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

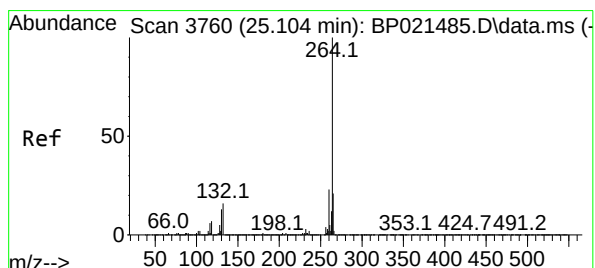
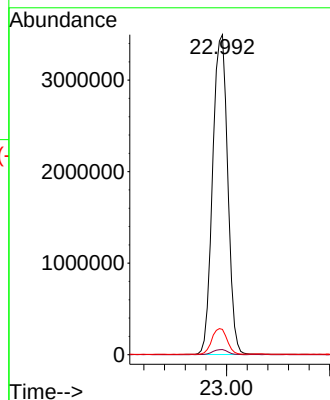
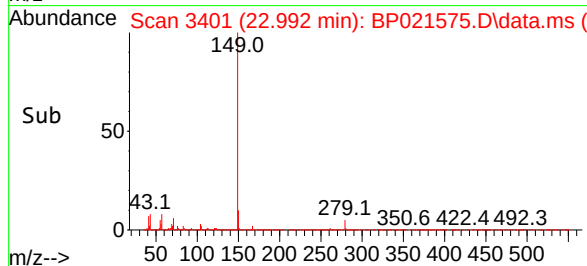
Instrument :  
BNA\_P  
ClientSampleId :  
SSTDCCC040



Tgt Ion:149 Resp: 7075138  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.1 7.3 10.9

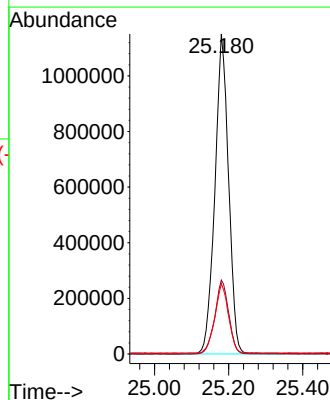
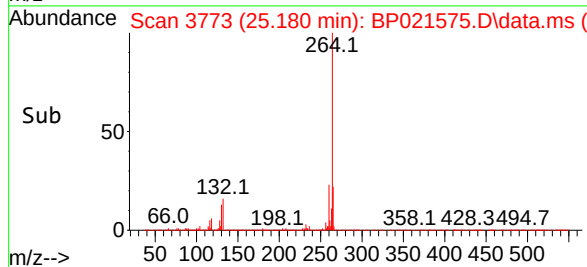
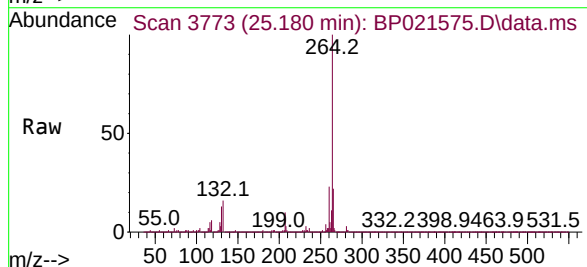
Manual Integrations  
APPROVED

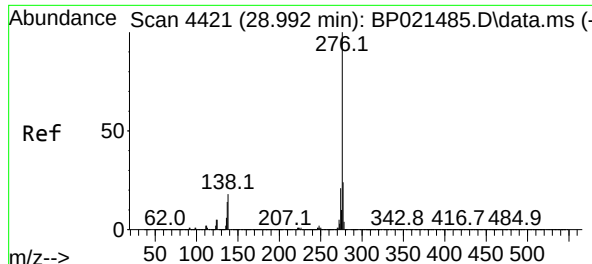
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.180 min Scan# 3773  
Delta R.T. 0.076 min  
Lab File: BP021575.D  
Acq: 20 Aug 2024 16:40

Tgt Ion:264 Resp: 2940308  
Ion Ratio Lower Upper  
264 100  
260 23.1 18.6 28.0  
265 22.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.361 ng m

RT: 29.109 min Scan# 4421

Delta R.T. 0.118 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 7692660

Ion Ratio Lower Upper

276 100

138 15.8 12.8 19.2

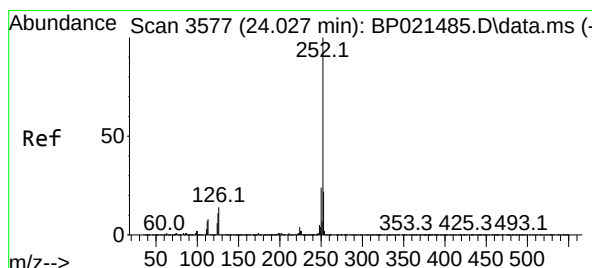
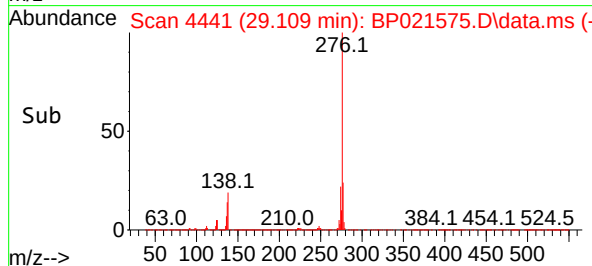
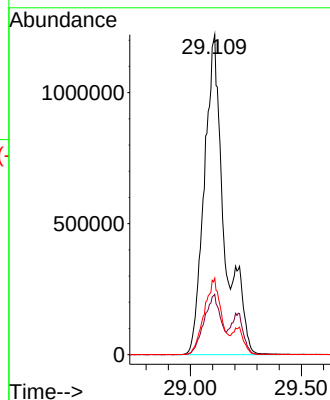
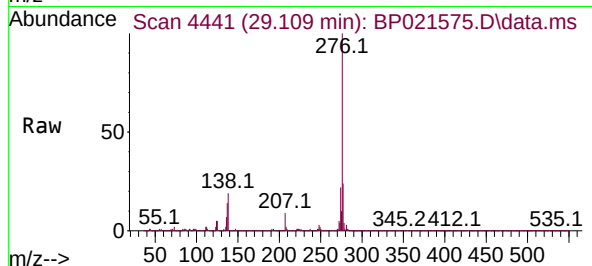
277 20.4 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#88

Benzo(b)fluoranthene

Concen: 39.379 ng

RT: 24.092 min Scan# 3588

Delta R.T. 0.065 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

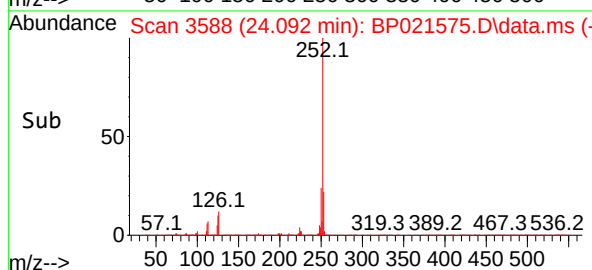
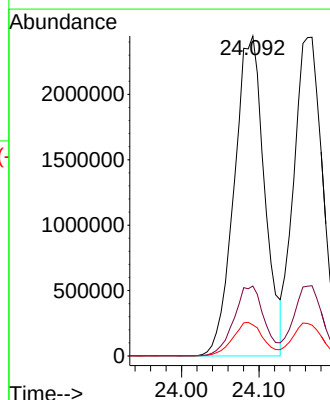
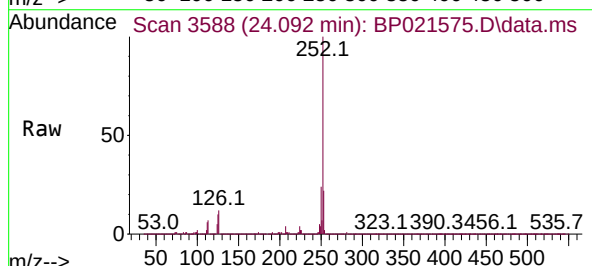
Tgt Ion:252 Resp: 6649815

Ion Ratio Lower Upper

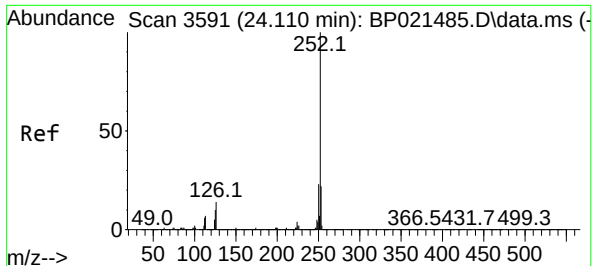
252 100

253 21.8 17.6 26.4

125 9.7 8.6 13.0







#89

Benzo(k)fluoranthene

Concen: 38.012 ng

RT: 24.168 min Scan# 30

Delta R.T. 0.059 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 626187

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

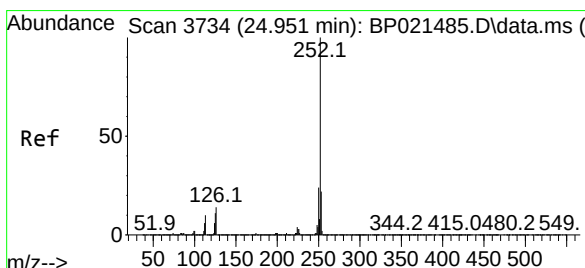
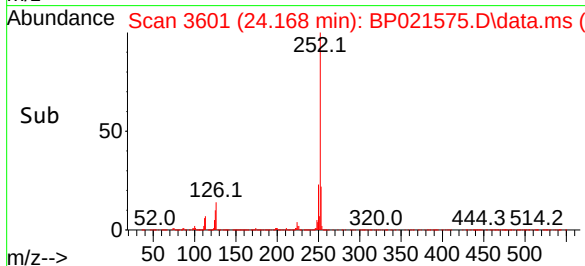
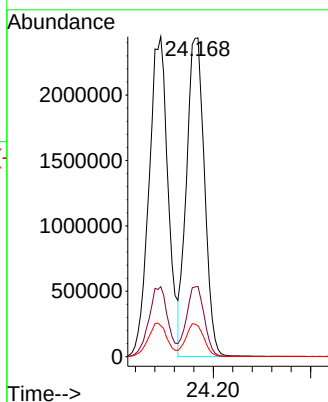
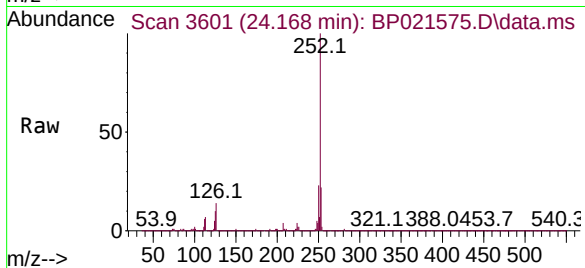
125 9.7 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#90

Benzo(a)pyrene

Concen: 39.759 ng

RT: 25.021 min Scan# 3746

Delta R.T. 0.071 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

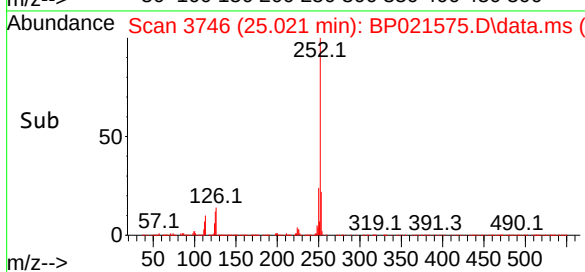
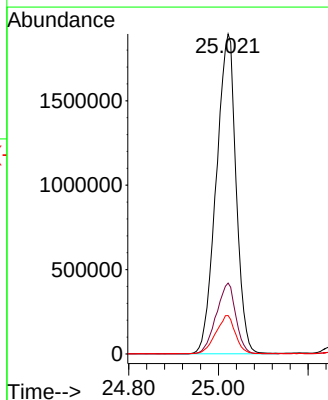
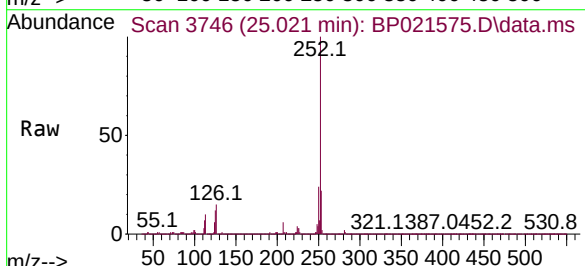
Tgt Ion:252 Resp: 5826473

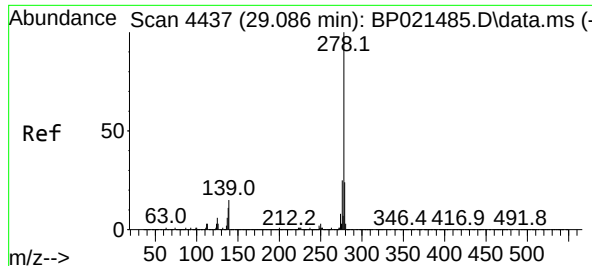
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 12.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 39.775 ng

RT: 29.221 min Scan# 4437

Delta R.T. 0.135 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA\_P

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 629888

Ion Ratio Lower Upper

278 100

139 15.1 12.2 18.4

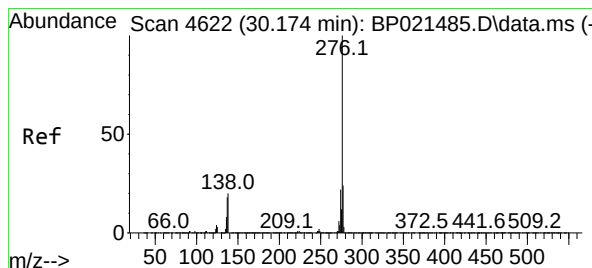
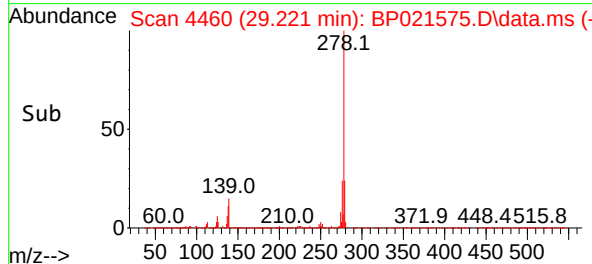
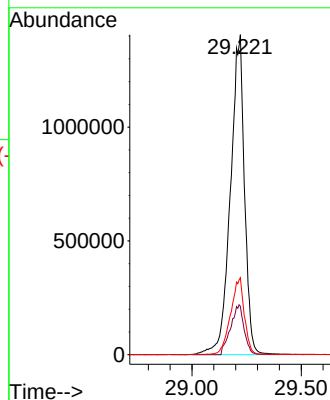
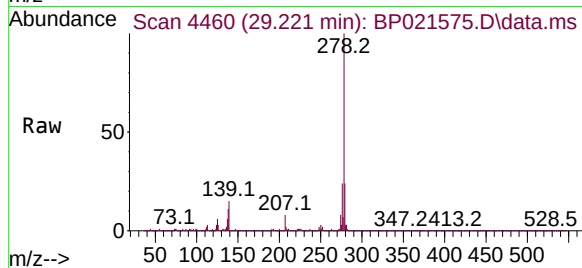
279 24.1 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#92

Benzo(g,h,i)perylene

Concen: 40.133 ng

RT: 30.303 min Scan# 4644

Delta R.T. 0.129 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

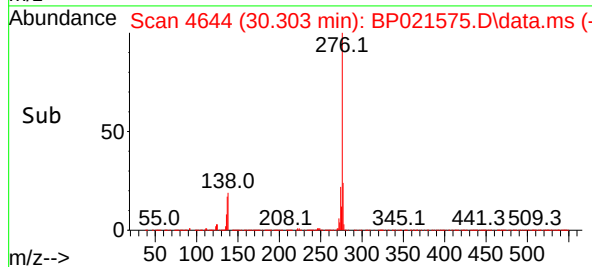
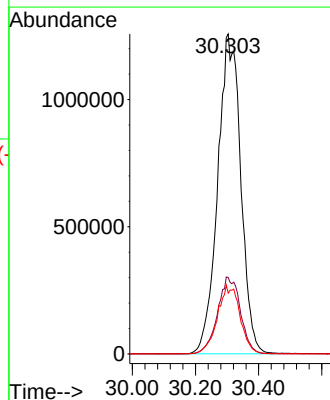
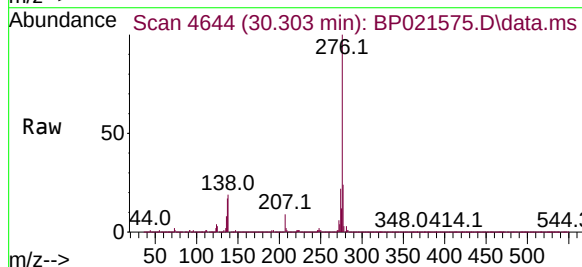
Tgt Ion:276 Resp: 6370124

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 19.0 16.0 24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021575.D  
Acq On : 20 Aug 2024 16:40  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev    | Area% | Dev(min) |
|------|-----------------------------|-------|-------|---------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0     | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.639 | 0.570 | 10.8    | 99    | 0.00     |
| 3    | Pyridine                    | 1.783 | 1.623 | 9.0     | 100   | 0.01     |
| 4    | n-Nitrosodimethylamine      | 0.536 | 0.498 | 7.1     | 104   | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.347 | 1.372 | -1.9    | 113   | 0.00     |
| 6    | Aniline                     | 1.964 | 1.810 | 7.8     | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 1.965 | 1.965 | 0.0     | 111   | 0.00     |
| 8    | 2-Chlorophenol              | 1.245 | 1.314 | -5.5    | 117   | 0.00     |
| 9    | Benzaldehyde                | 1.258 | 1.392 | -10.7   | 129   | 0.00     |
| 10 C | Phenol                      | 2.035 | 1.989 | 2.3     | 108   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 1.722 | 1.573 | 8.7     | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.479 | 1.455 | 1.6     | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.493 | 1.480 | 0.9     | 112   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.439 | 1.401 | 2.6     | 111   | 0.00     |
| 15   | Benzyl Alcohol              | 1.410 | 1.363 | 3.3     | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.585 | 1.424 | 10.2    | 103   | 0.00     |
| 17   | 2-Methylphenol              | 1.286 | 1.311 | -1.9    | 113   | 0.00     |
| 18   | Hexachloroethane            | 0.599 | 0.610 | -1.8    | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 1.357 | 1.141 | 15.9    | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.734 | 1.820 | -5.0    | 115   | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0     | 113   | 0.00     |
| 22   | Acetophenone                | 0.614 | 0.576 | 6.2     | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.387 | 0.421 | -8.8    | 116   | 0.00     |
| 24   | Nitrobenzene                | 0.421 | 0.430 | -2.1    | 110   | 0.00     |
| 25   | Isophorone                  | 0.915 | 0.812 | 11.3    | 101   | 0.00     |
| 26 C | 2-Nitrophenol               | 0.086 | 0.163 | -89.5#  | 196#  | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.226 | 0.227 | -0.4    | 114   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 0.559 | 0.510 | 8.8     | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.267 | 0.303 | -13.5   | 126   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.342 | 0.332 | 2.9     | 111   | 0.00     |
| 31   | Naphthalene                 | 1.045 | 1.030 | 1.4     | 112   | 0.00     |
| 32   | Benzoic acid                | 0.137 | 0.280 | -104.4# | 245#  | 0.03     |
| 33   | 4-Chloroaniline             | 0.392 | 0.400 | -2.0    | 115   | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.215 | 0.206 | 4.2     | 109   | 0.00     |
| 35   | Caprolactam                 | 0.111 | 0.133 | -19.8   | 132   | 0.04     |
| 36 C | 4-Chloro-3-methylphenol     | 0.370 | 0.411 | -11.1   | 122   | 0.02     |
| 37   | 2-Methylnaphthalene         | 0.713 | 0.699 | 2.0     | 112   | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.703 | 0.693 | 1.4     | 113   | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0     | 120   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.586 | 0.550 | 6.1     | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.186 | 0.217 | -16.7   | 136   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.223 | 0.265 | -18.8   | 135   | 0.01     |
| 43 C | 2,4,6-Trichlorophenol       | 0.326 | 0.377 | -15.6   | 132   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.362 | 0.422 | -16.6   | 132   | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 1.310 | 1.212 | 7.5     | 110   | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.415 | 1.343 | 5.1     | 113   | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.102 | 1.056 | 4.2     | 114   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021575.D  
Acq On : 20 Aug 2024 16:40  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | AvgRF | CCRF  | %Dev    | Area% | Dev(min) |
|------|----------------------------|-------|-------|---------|-------|----------|
| 48   | 2-Nitroaniline             | 0.256 | 0.363 | -41.8#  | 153#  | 0.01     |
| 49   | Acenaphthylene             | 1.619 | 1.596 | 1.4     | 117   | 0.01     |
| 50   | Dimethylphthalate          | 1.339 | 1.358 | -1.4    | 121   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.232 | 0.313 | -34.9#  | 147   | 0.00     |
| 52 C | Acenaphthene               | 1.063 | 1.097 | -3.2    | 123   | 0.01     |
| 53   | 3-Nitroaniline             | 0.228 | 0.330 | -44.7#  | 156#  | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.069 | 0.141 | -104.3# | 258#  | 0.02     |
| 55   | Dibenzofuran               | 1.635 | 1.623 | 0.7     | 118   | 0.01     |
| 56 P | 4-Nitrophenol              | 0.195 | 0.292 | -49.7#  | 174#  | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 0.284 | 0.440 | -54.9#  | 165#  | 0.02     |
| 58   | Fluorene                   | 1.343 | 1.311 | 2.4     | 116   | 0.02     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.307 | 0.368 | -19.9   | 135   | 0.00     |
| 60   | Diethylphthalate           | 1.374 | 1.420 | -3.3    | 122   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.694 | 0.659 | 5.0     | 114   | 0.00     |
| 62   | 4-Nitroaniline             | 0.241 | 0.348 | -44.4#  | 153#  | 0.01     |
| 63   | Azobenzene                 | 1.689 | 1.505 | 10.9    | 105   | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0     | 126   | 0.02     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.054 | 0.095 | -75.9#  | 229#  | 0.02     |
| 66 c | n-Nitrosodiphenylamine     | 0.536 | 0.506 | 5.6     | 119   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.212 | 0.196 | 7.5     | 119   | 0.00     |
| 68   | Hexachlorobenzene          | 0.250 | 0.240 | 4.0     | 120   | 0.01     |
| 69   | Atrazine                   | 0.184 | 0.147 | 20.1    | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 0.137 | 0.168 | -22.6#  | 155#  | 0.02     |
| 71   | Phenanthrene               | 0.962 | 0.949 | 1.4     | 124   | 0.02     |
| 72   | Anthracene                 | 0.943 | 0.925 | 1.9     | 123   | 0.02     |
| 73   | Carbazole                  | 0.909 | 0.943 | -3.7    | 128   | 0.02     |
| 74   | Di-n-butylphthalate        | 1.116 | 1.161 | -4.0    | 127   | 0.02     |
| 75 C | Fluoranthene               | 1.180 | 1.230 | -4.2    | 129   | 0.02     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0     | 133   | 0.04     |
| 77   | Benzydine                  | 0.420 | 0.418 | 0.5     | 117   | 0.02     |
| 78   | Pyrene                     | 1.307 | 1.267 | 3.1     | 131   | 0.03     |
| 79 S | Terphenyl-d14              | 1.029 | 0.958 | 6.9     | 127   | 0.02     |
| 80   | Butylbenzylphthalate       | 0.437 | 0.544 | -24.5   | 154#  | 0.01     |
| 81   | Benzo(a)anthracene         | 1.256 | 1.254 | 0.2     | 132   | 0.04     |
| 82   | 3,3'-Dichlorobenzidine     | 0.403 | 0.457 | -13.4   | 142   | 0.02     |
| 83   | Chrysene                   | 1.185 | 1.172 | 1.1     | 130   | 0.04     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.742 | 0.836 | -12.7   | 143   | 0.02     |
| 85 c | Di-n-octyl phthalate       | 1.199 | 1.458 | -21.6#  | 156#  | 0.03     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0     | 141   | 0.08     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.296 | 1.308 | -0.9    | 139   | 0.12     |
| 88   | Benzo(b)fluoranthene       | 1.149 | 1.131 | 1.6     | 138   | 0.06     |
| 89   | Benzo(k)fluoranthene       | 1.121 | 1.065 | 5.0     | 132   | 0.06     |
| 90 C | Benzo(a)pyrene             | 0.997 | 0.991 | 0.6     | 138   | 0.07     |
| 91   | Dibenzo(a,h)anthracene     | 1.077 | 1.071 | 0.6     | 137   | 0.14     |
| 92   | Benzo(g,h,i)perylene       | 1.080 | 1.083 | -0.3    | 139   | 0.13     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021575.D  
Acq On : 20 Aug 2024 16:40  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|----------|-------|------|------|-------|----------|
|----------|-------|------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021575.D  
Acq On : 20 Aug 2024 16:40  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|--------|--------|--------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 20.000 | 20.000 | 0.0    | 111   | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 35.681 | 10.8   | 99    | 0.00     |
| 3    | Pyridine                    | 40.000 | 36.406 | 9.0    | 100   | 0.01     |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.206 | 7.0    | 104   | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 81.506 | -1.9   | 113   | 0.00     |
| 6    | Aniline                     | 40.000 | 36.863 | 7.8    | 102   | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 80.016 | -0.0   | 111   | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 42.226 | -5.6   | 117   | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 44.262 | -10.7  | 129   | 0.00     |
| 10 C | Phenol                      | 40.000 | 39.093 | 2.3    | 108   | 0.01     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.557 | 8.6    | 103   | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 39.364 | 1.6    | 112   | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 39.661 | 0.8    | 112   | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 38.940 | 2.7    | 111   | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 38.673 | 3.3    | 107   | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.934 | 10.2   | 103   | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 40.769 | -1.9   | 113   | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 40.786 | -2.0   | 114   | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 33.637 | 15.9   | 95    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 41.976 | -4.9   | 115   | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0    | 113   | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.514 | 6.2    | 107   | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 86.924 | -8.7   | 116   | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 40.876 | -2.2   | 110   | 0.00     |
| 25   | Isophorone                  | 40.000 | 35.467 | 11.3   | 101   | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 56.363 | -40.9# | 196   | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 40.260 | -0.6   | 114   | 0.01     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 36.474 | 8.8    | 105   | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 45.397 | -13.5  | 126   | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 38.758 | 3.1    | 111   | 0.00     |
| 31   | Naphthalene                 | 40.000 | 39.419 | 1.5    | 112   | 0.00     |
| 32   | Benzoic acid                | 40.000 | 65.645 | -64.1# | 245   | 0.03     |
| 33   | 4-Chloroaniline             | 40.000 | 40.788 | -2.0   | 115   | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.319 | 4.2    | 109   | 0.00     |
| 35   | Caprolactam                 | 40.000 | 47.892 | -19.7  | 132   | 0.04     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 44.353 | -10.9  | 122   | 0.02     |
| 37   | 2-Methylnaphthalene         | 40.000 | 39.219 | 2.0    | 112   | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 39.399 | 1.5    | 113   | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0    | 120   | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.541 | 6.1    | 111   | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 46.834 | -17.1  | 136   | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 95.320 | -19.1  | 135   | 0.01     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 46.287 | -15.7  | 132   | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 46.667 | -16.7  | 132   | 0.01     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 73.981 | 7.5    | 110   | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 37.962 | 5.1    | 113   | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 38.359 | 4.1    | 114   | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021575.D  
Acq On : 20 Aug 2024 16:40  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                   | Amount | Calc.  | %Dev   | Area% | Dev(min) |
|------|----------------------------|--------|--------|--------|-------|----------|
| 48   | 2-Nitroaniline             | 40.000 | 47.126 | -17.8  | 153   | 0.01     |
| 49   | Acenaphthylene             | 40.000 | 39.430 | 1.4    | 117   | 0.01     |
| 50   | Dimethylphthalate          | 40.000 | 40.557 | -1.4   | 121   | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 46.431 | -16.1  | 147   | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 41.294 | -3.2   | 123   | 0.01     |
| 53   | 3-Nitroaniline             | 40.000 | 49.513 | -23.8  | 156   | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 66.049 | -65.1# | 258   | 0.02     |
| 55   | Dibenzofuran               | 40.000 | 39.716 | 0.7    | 118   | 0.01     |
| 56 P | 4-Nitrophenol              | 40.000 | 54.273 | -35.7# | 174   | 0.01     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 50.859 | -27.1# | 165   | 0.02     |
| 58   | Fluorene                   | 40.000 | 39.039 | 2.4    | 116   | 0.02     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 47.986 | -20.0  | 135   | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 41.319 | -3.3   | 122   | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 37.977 | 5.1    | 114   | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 50.846 | -27.1# | 153   | 0.01     |
| 63   | Azobenzene                 | 40.000 | 35.641 | 10.9   | 105   | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0    | 126   | 0.02     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 58.431 | -46.1# | 229   | 0.02     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 37.750 | 5.6    | 119   | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 37.008 | 7.5    | 119   | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 38.408 | 4.0    | 120   | 0.01     |
| 69   | Atrazine                   | 40.000 | 31.853 | 20.4   | 97    | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 49.250 | -23.1# | 155   | 0.02     |
| 71   | Phenanthrene               | 40.000 | 39.464 | 1.3    | 124   | 0.02     |
| 72   | Anthracene                 | 40.000 | 39.216 | 2.0    | 123   | 0.02     |
| 73   | Carbazole                  | 40.000 | 41.477 | -3.7   | 128   | 0.02     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.587 | -4.0   | 127   | 0.02     |
| 75 C | Fluoranthene               | 40.000 | 41.680 | -4.2   | 129   | 0.02     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0    | 133   | 0.04     |
| 77   | Benzydine                  | 40.000 | 35.722 | 10.7   | 117   | 0.02     |
| 78   | Pyrene                     | 40.000 | 38.762 | 3.1    | 131   | 0.03     |
| 79 S | Terphenyl-d14              | 80.000 | 74.447 | 6.9    | 127   | 0.02     |
| 80   | Butylbenzylphthalate       | 40.000 | 44.200 | -10.5  | 154   | 0.01     |
| 81   | Benzo(a)anthracene         | 40.000 | 39.950 | 0.1    | 132   | 0.04     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 45.379 | -13.4  | 142   | 0.02     |
| 83   | Chrysene                   | 40.000 | 39.553 | 1.1    | 130   | 0.04     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 45.083 | -12.7  | 143   | 0.02     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 45.068 | -12.7  | 156   | 0.03     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0    | 141   | 0.08     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 40.361 | -0.9   | 139   | 0.12     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.379 | 1.6    | 138   | 0.06     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 38.012 | 5.0    | 132   | 0.06     |
| 90 C | Benzo(a)pyrene             | 40.000 | 39.759 | 0.6    | 138   | 0.07     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 39.775 | 0.6    | 137   | 0.14     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 40.133 | -0.3   | 139   | 0.13     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021575.D  
Acq On : 20 Aug 2024 16:40  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_P  
LabSampleId :  
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|----------|--------|-------|------|-------|----------|
|----------|--------|-------|------|-------|----------|

(#) = Out of Range

SPCC's out = 0 CCC's out = 2





# QC SAMPLE DATA

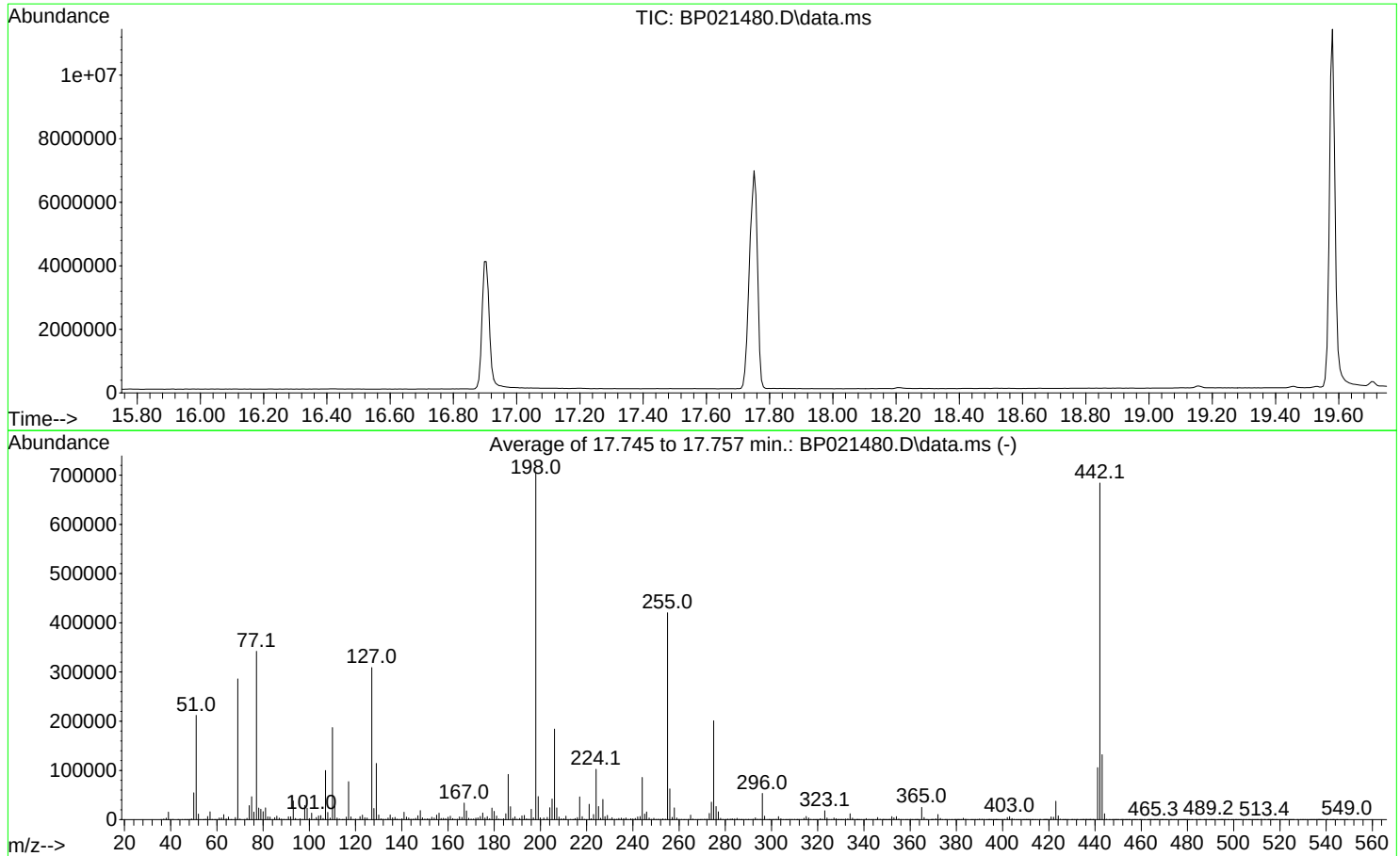
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021480.D  
Acq On : 13 Aug 2024 11:49  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Aug 14 00:00:30 2024



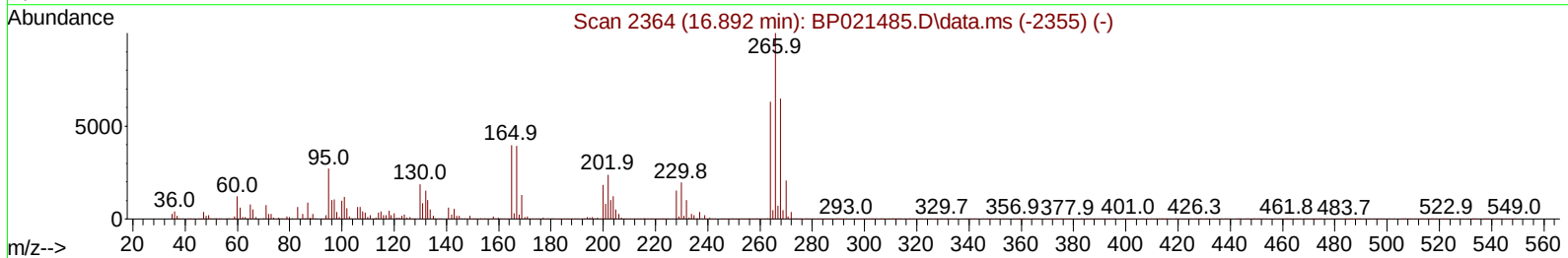
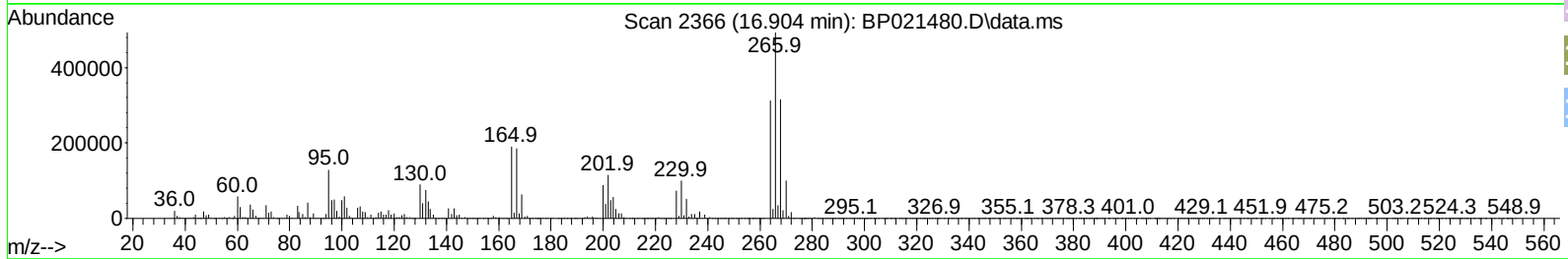
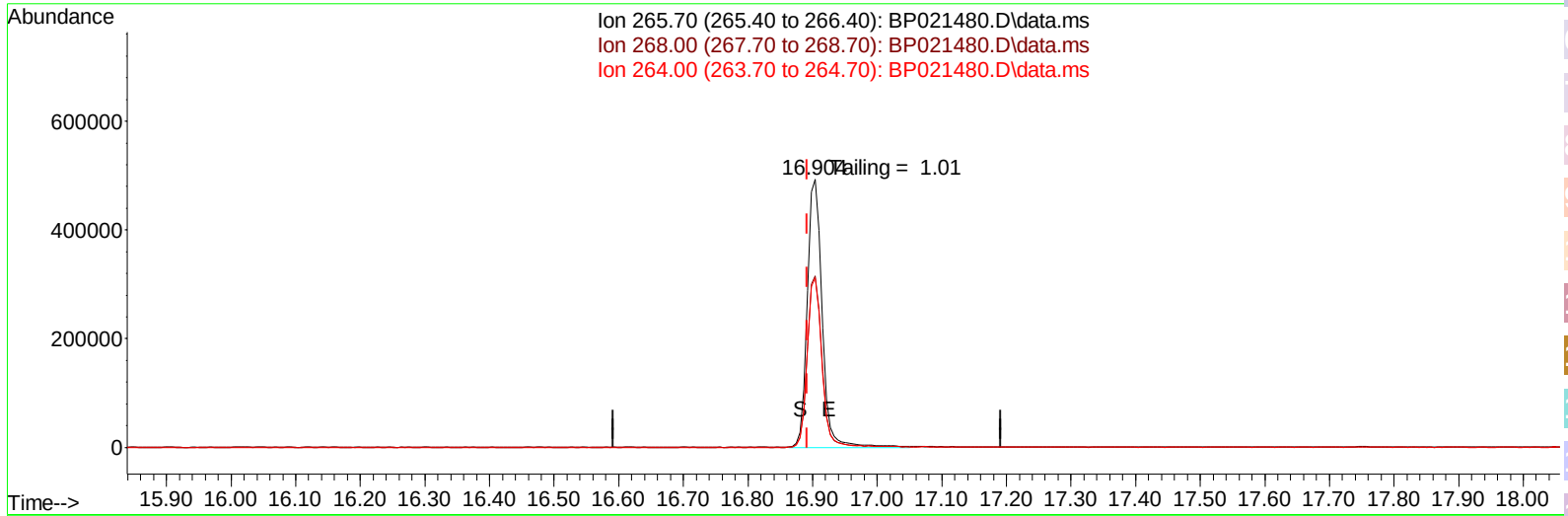
AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2499

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 30.1         | 212028     | PASS                |
| 68             | 69              | 0.00            | 2               | 1.5          | 4256       | PASS                |
| 69             | 198             | 0.00            | 100             | 40.6         | 286100     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.4          | 1197       | PASS                |
| 127            | 198             | 10              | 80              | 43.9         | 309160     | PASS                |
| 197            | 198             | 0.00            | 2               | 0.5          | 3666       | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 704123     | PASS                |
| 199            | 198             | 5               | 9               | 6.6          | 46731      | PASS                |
| 275            | 198             | 10              | 60              | 28.5         | 200892     | PASS                |
| 365            | 198             | 1               | 100             | 3.5          | 24968      | PASS                |
| 441            | 198             | 0.01            | 100             | 15.0         | 105600     | PASS                |
| 442            | 442             | 100             | 100             | 100.0        | 684335     | PASS                |
| 443            | 442             | 15              | 24              | 19.3         | 131982     | PASS                |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021480.D  
Acq On : 13 Aug 2024 11:49  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Quant Time: Aug 14 00:14:23 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration



TIC: BP021480.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 6855729.98 ng

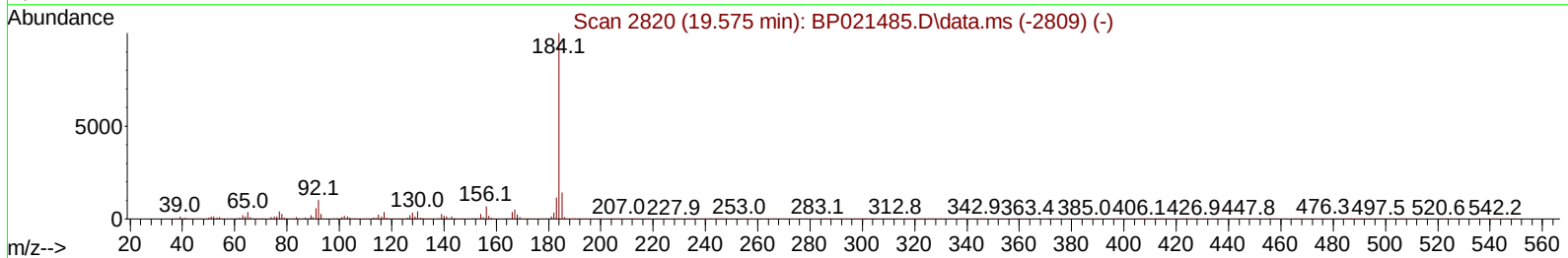
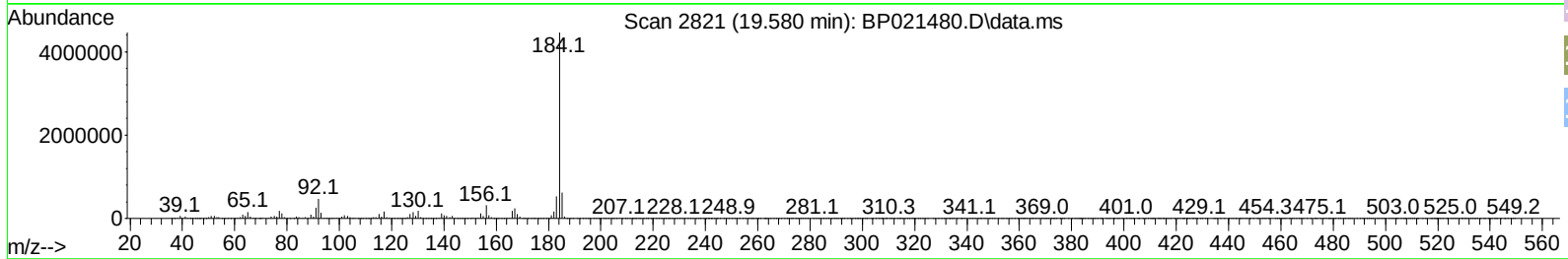
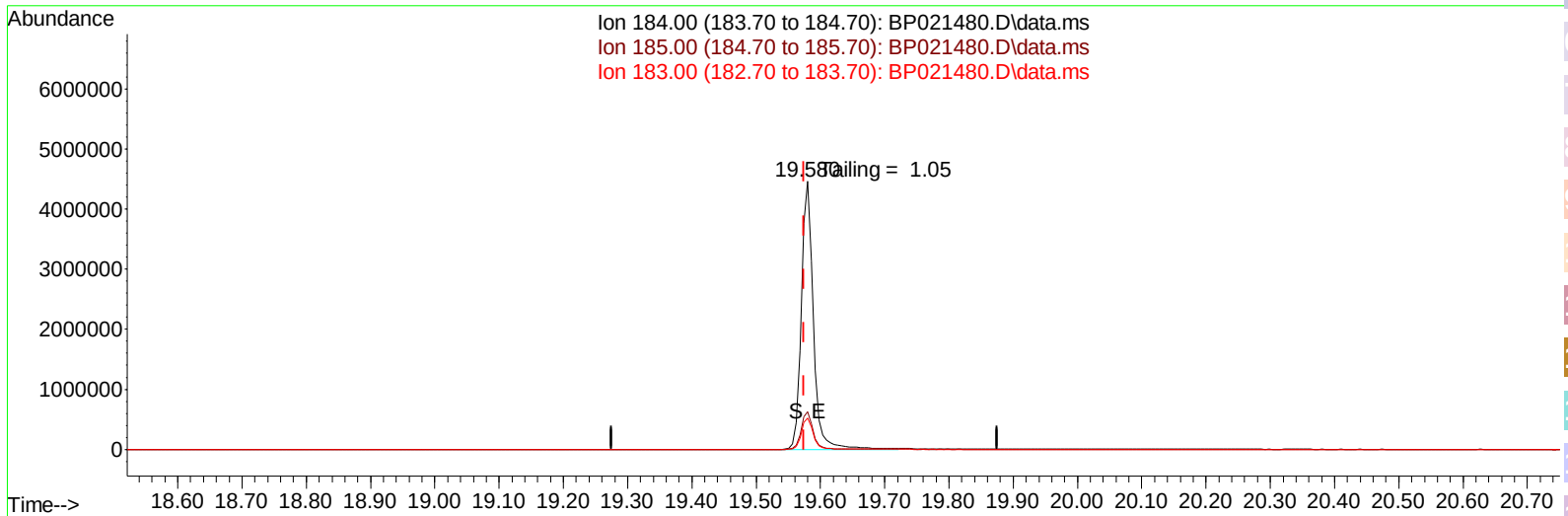
response 795611

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.70  | 64.10  |
| 264.00 | 63.10  | 63.36  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081324\  
Data File : BP021480.D  
Acq On : 13 Aug 2024 11:49  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Quant Time: Aug 14 00:14:23 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration



TIC: BP021480.D\data.ms

**(77) Benzidine****19.580min (+ 0.005) -20.00 ng****response 5830874**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.20  | 14.05  |
| 183.00 | 11.60  | 11.75  |
| 0.00   | 0.00   | 0.00   |

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

DDT Breakdown

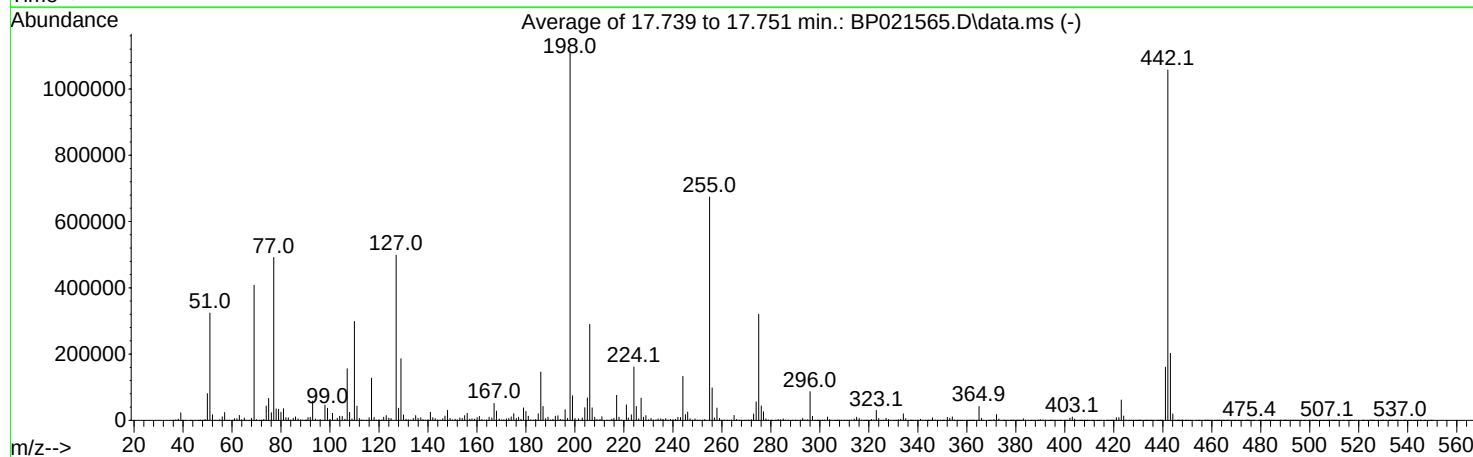
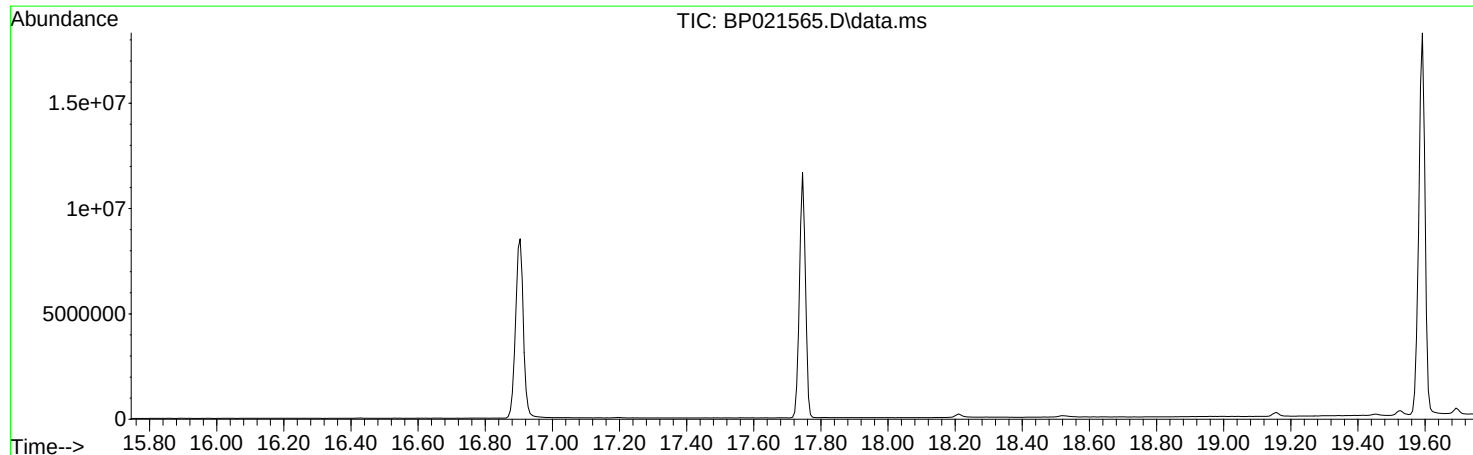
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 8/13/2024     | BNA_P            | <u>BP021480.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 2081689          | 20.88              |
| DDD           | 17224            | 20.486             |
| DDE           | 158              | 19.962             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 17382         | 2099071          | 0.83               |
|               |                  |                    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021565.D  
Acq On : 20 Aug 2024 09:25  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Aug 14 00:00:30 2024



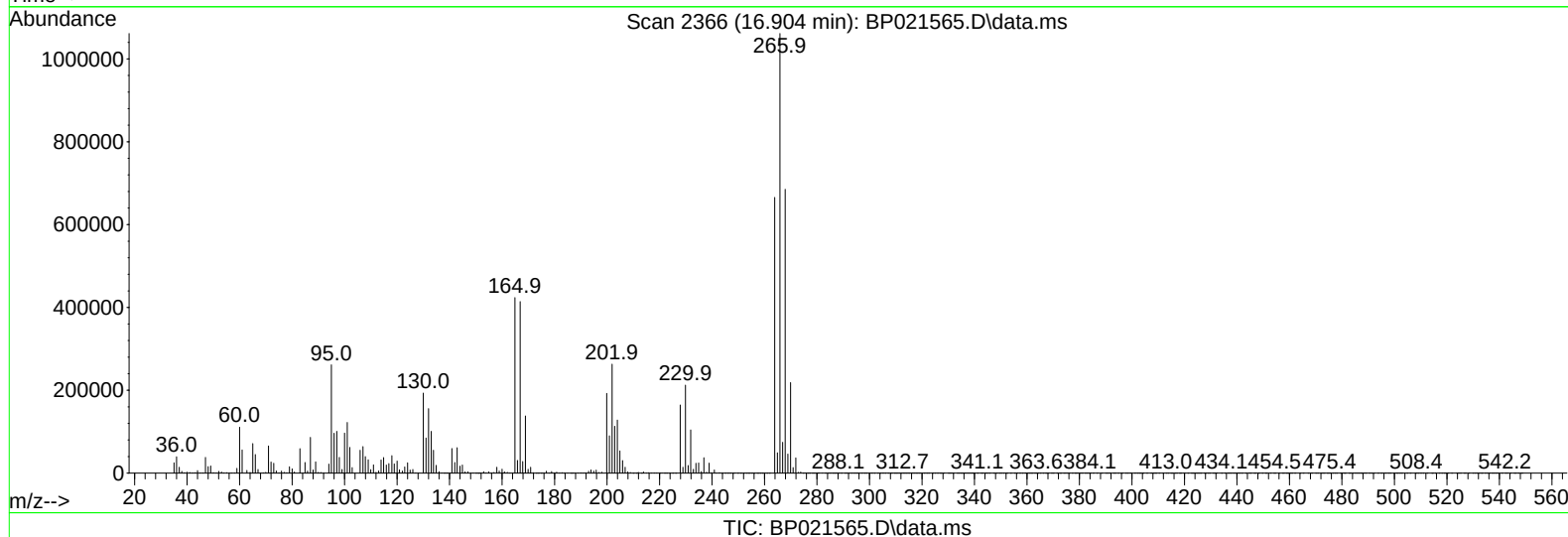
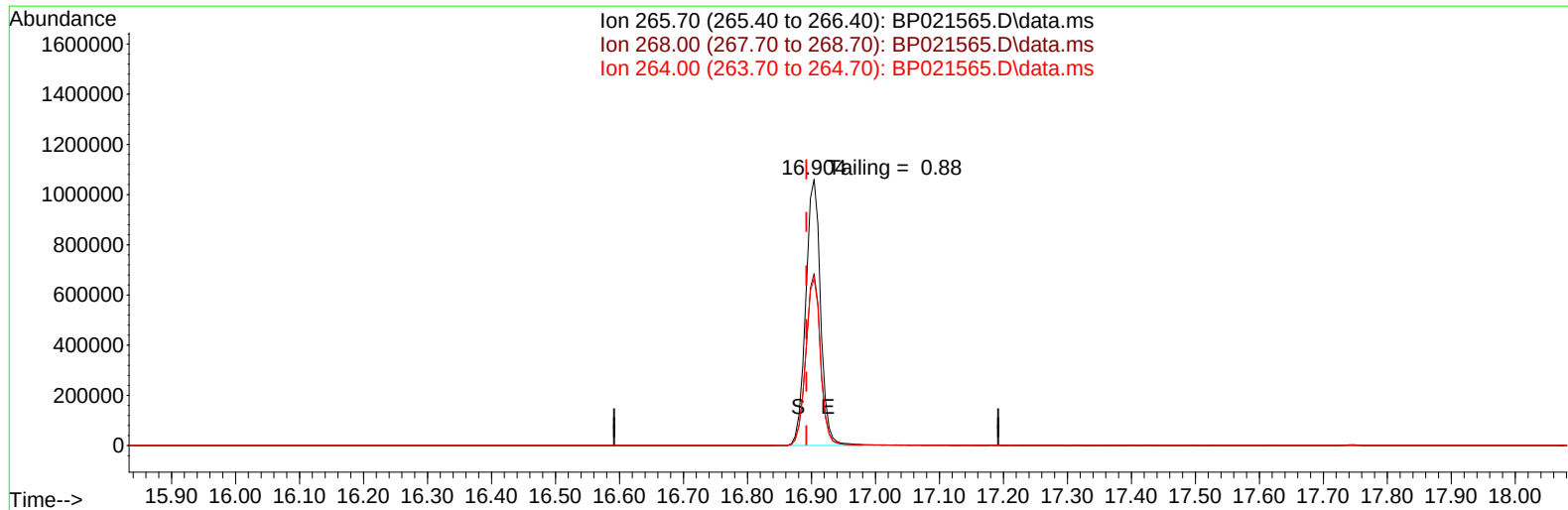
AutoFind: Scans 2508, 2509, 2510; Background Corrected with Scan 2498

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 29.2         | 324123     | PASS                |
| 68             | 69              | 0.00            | 2               | 1.6          | 6547       | PASS                |
| 69             | 198             | 0.00            | 100             | 36.7         | 407478     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.5          | 2016       | PASS                |
| 127            | 198             | 10              | 80              | 44.9         | 498814     | PASS                |
| 197            | 198             | 0.00            | 2               | 0.5          | 5669       | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 1109972    | PASS                |
| 199            | 198             | 5               | 9               | 6.7          | 74231      | PASS                |
| 275            | 198             | 10              | 60              | 28.9         | 320288     | PASS                |
| 365            | 198             | 1               | 100             | 3.8          | 42187      | PASS                |
| 441            | 198             | 0.01            | 100             | 14.4         | 160344     | PASS                |
| 442            | 442             | 100             | 100             | 100.0        | 1057190    | PASS                |
| 443            | 442             | 15              | 24              | 19.1         | 202151     | PASS                |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021565.D  
Acq On : 20 Aug 2024 09:25  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Quant Time: Aug 20 11:19:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration



TIC: BP021565.D\data.ms

**(70) Pentachlorophenol (C)**

16.904min (+ 0.012) 916265.56 ng

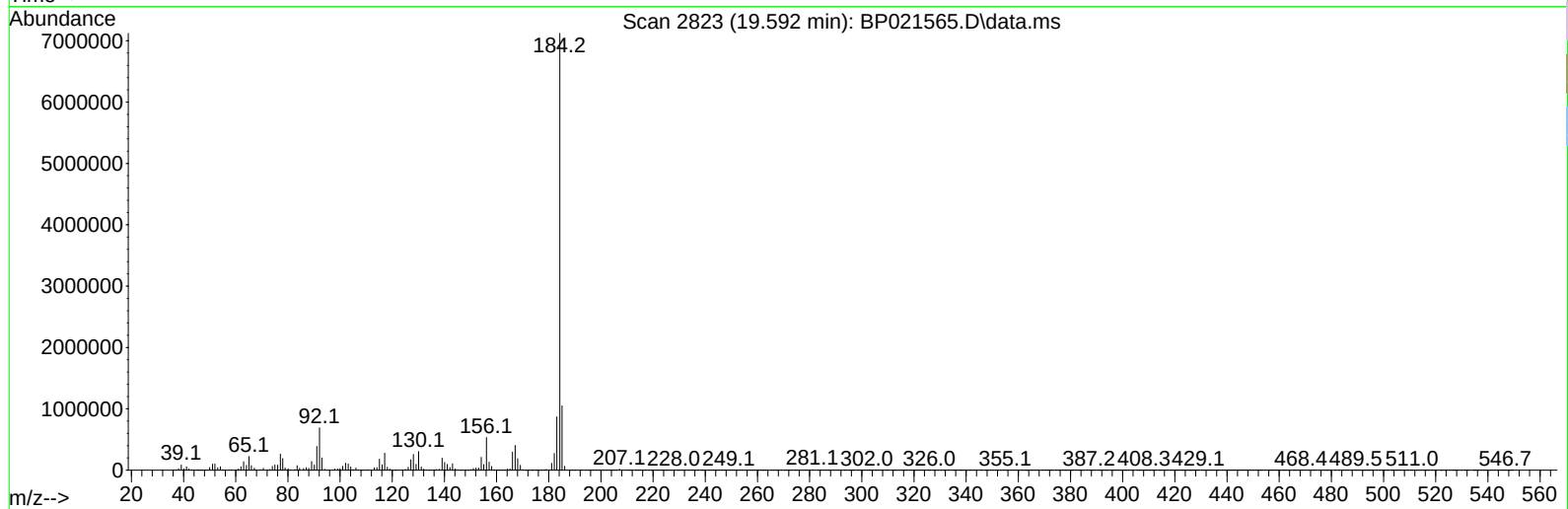
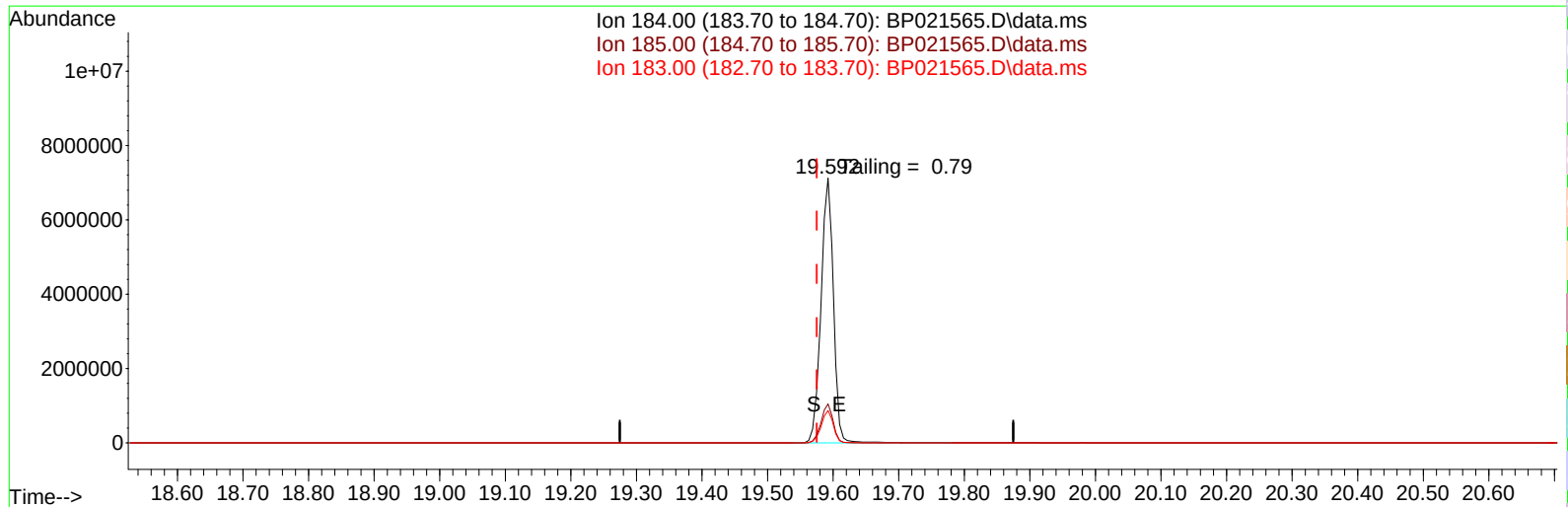
response 1726349

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.70  | 64.57  |
| 264.00 | 63.10  | 62.71  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021565.D  
Acq On : 20 Aug 2024 09:25  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Quant Time: Aug 20 11:19:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration



TIC: BP021565.D\data.ms

**(77) Benzidine**

19.592min (+ 0.017) -20.00 ng

response 9393500

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.20  | 14.73  |
| 183.00 | 11.60  | 12.22  |
| 0.00   | 0.00   | 0.00   |



Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

DDT Breakdown

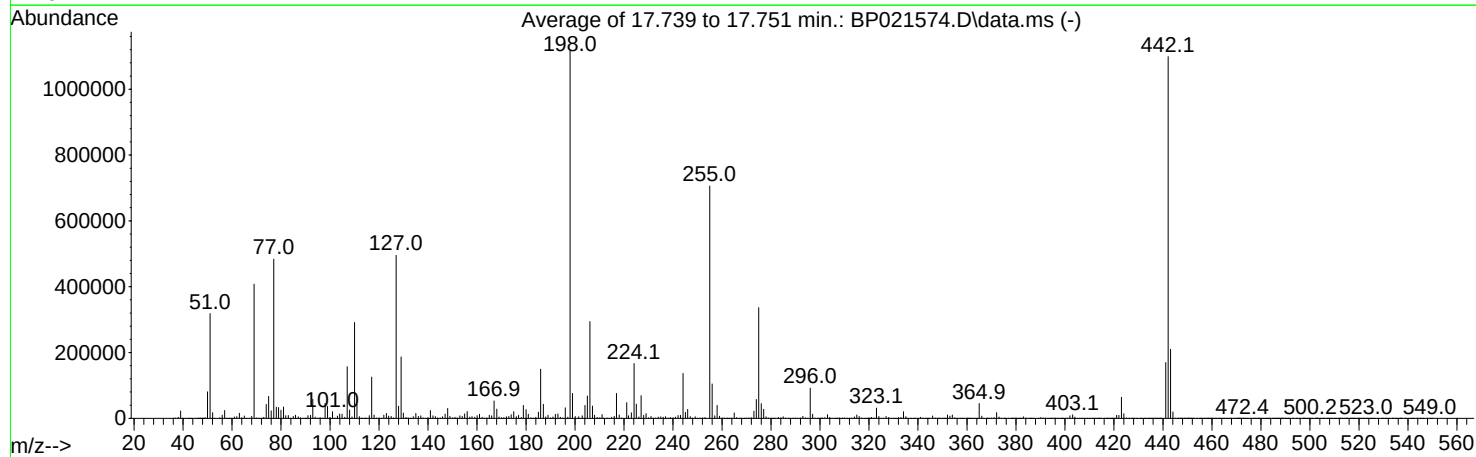
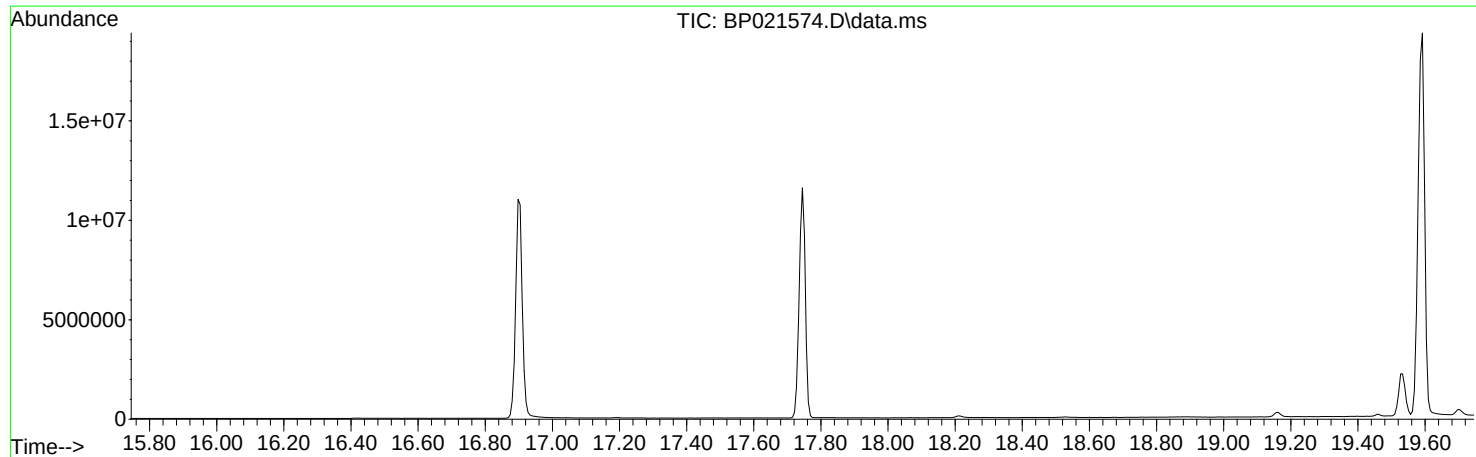
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 8/20/2024     | BNA_P            | <u>BP021565.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 4160702          | 20.892             |
| DDD           | 231762           | 20.422             |
| DDE           | 2972             | 19.898             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 234734        | 4395436          | 5.34               |
|               |                  |                    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021574.D  
Acq On : 20 Aug 2024 15:57  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Wed Aug 14 00:00:30 2024



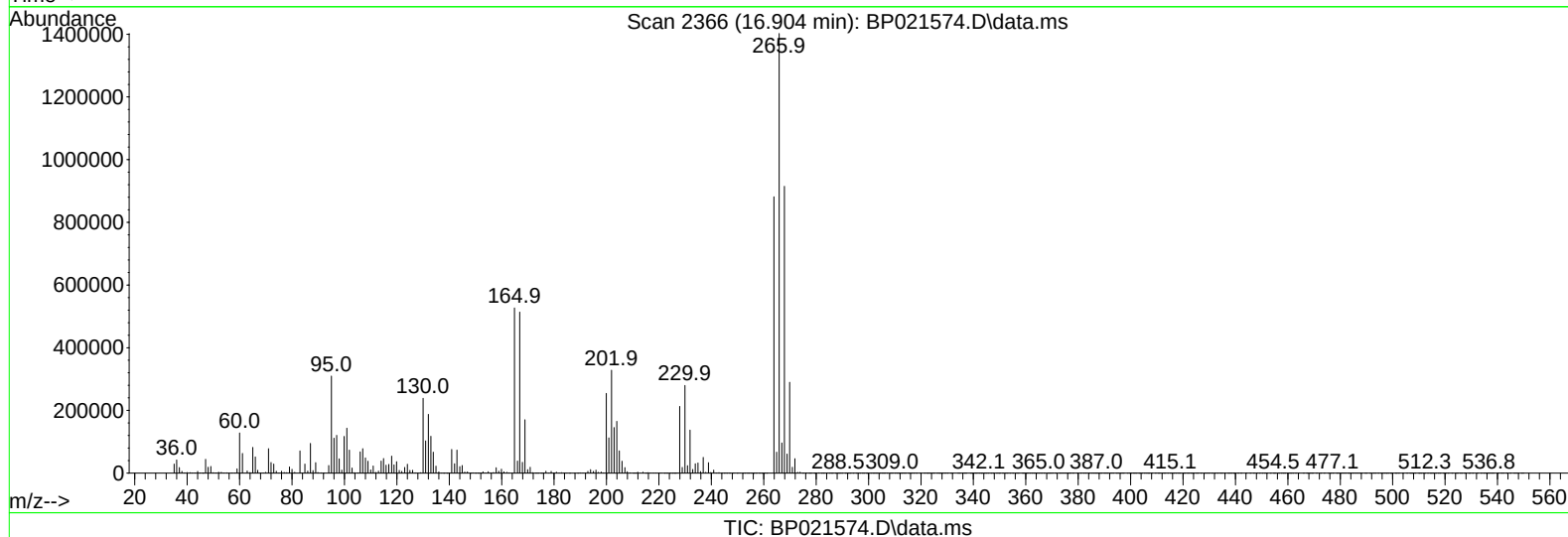
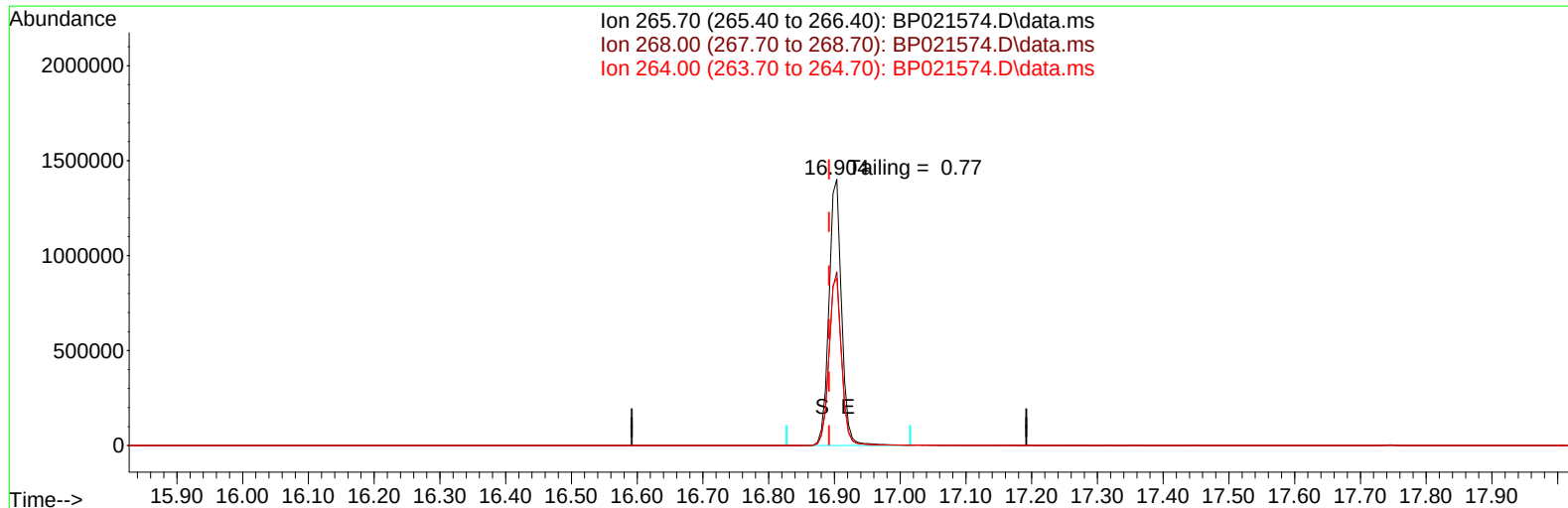
AutoFind: Scans 2508, 2509, 2510; Background Corrected with Scan 2496

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 28.5         | 318494     | PASS                |
| 68             | 69              | 0.00            | 2               | 1.6          | 6404       | PASS                |
| 69             | 198             | 0.00            | 100             | 36.5         | 407976     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.4          | 1654       | PASS                |
| 127            | 198             | 10              | 80              | 44.3         | 495609     | PASS                |
| 197            | 198             | 0.00            | 2               | 0.3          | 3742       | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 1117661    | PASS                |
| 199            | 198             | 5               | 9               | 6.8          | 76061      | PASS                |
| 275            | 198             | 10              | 60              | 30.1         | 336655     | PASS                |
| 365            | 198             | 1               | 100             | 4.0          | 45002      | PASS                |
| 441            | 198             | 0.01            | 100             | 15.2         | 169704     | PASS                |
| 442            | 442             | 100             | 100             | 100.0        | 1099215    | PASS                |
| 443            | 442             | 15              | 24              | 19.1         | 210240     | PASS                |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021574.D  
Acq On : 20 Aug 2024 15:57  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Quant Time: Aug 20 16:56:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration



(70) Pentachlorophenol (C)

16.904min (+ 0.012) 1466831.19 ng

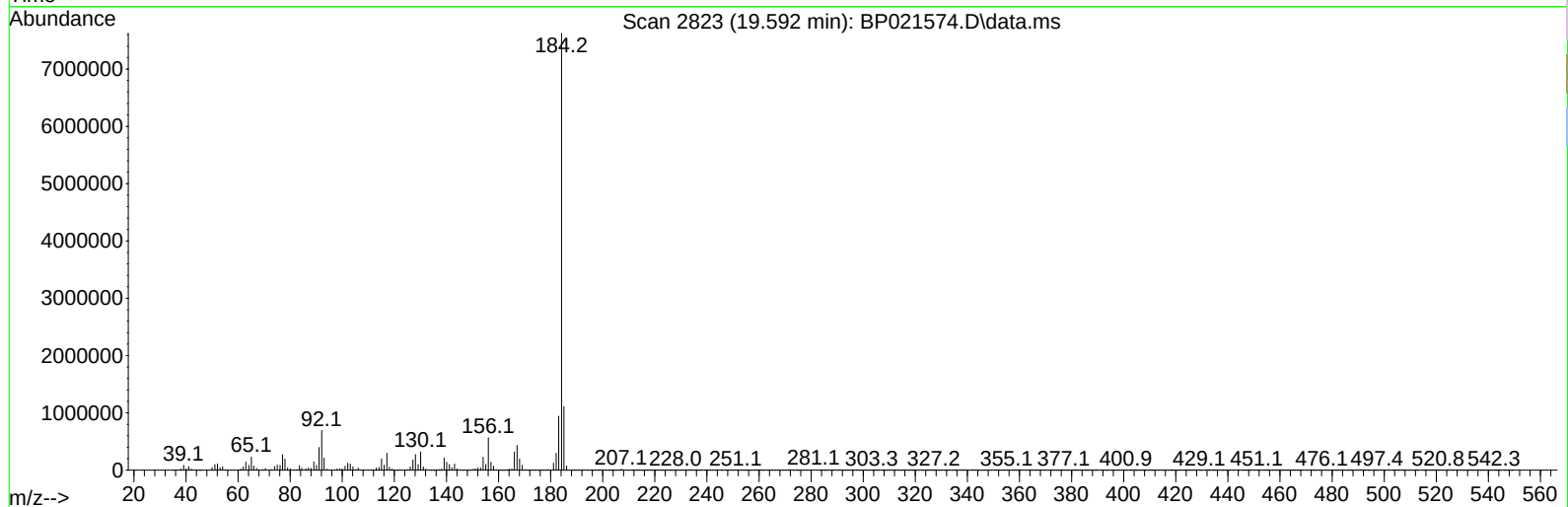
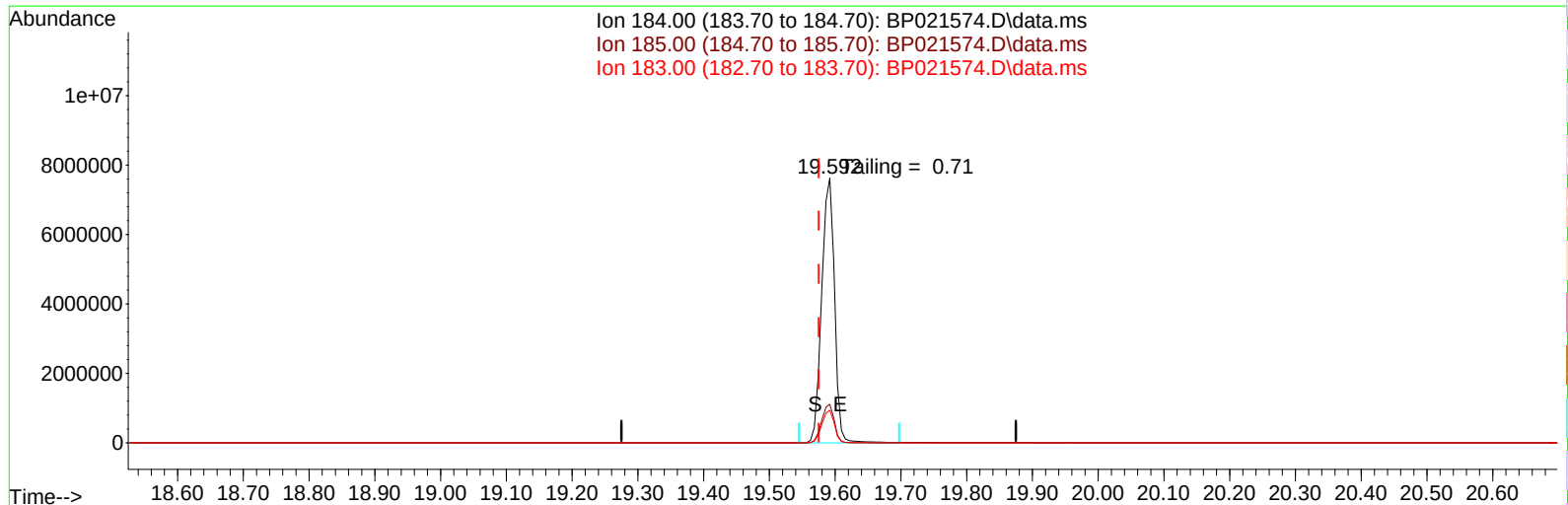
response 1882505

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.70  | 65.26  |
| 264.00 | 63.10  | 62.86  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021574.D  
Acq On : 20 Aug 2024 15:57  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

Quant Time: Aug 20 16:56:21 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration



TIC: BP021574.D\data.ms

**(77) Benzidine**

19.592min (+ 0.017) -20.00 ng

response 10375641

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.20  | 14.60  |
| 183.00 | 11.60  | 12.36  |
| 0.00   | 0.00   | 0.00   |

Instrument :  
BNA\_P  
ClientSampleId :  
DFTPP

DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 8/20/2024     | BNA_P            | <u>BP021574.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 4861860          | 20.892             |
| DDD           | 175942           | 20.427             |
| DDE           | 3862             | 19.898             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 179804        | 5041664          | 3.57               |
|               |                  |                    |

### Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: |               |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  |               |
| Client Sample ID:  | PB162822BL                            | SDG No.:        | P3657         |
| Lab Sample ID:     | PB162822BL                            | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021567.D        | 1         | 08/19/24 09:40 | 08/20/24 10:49 | PB162822      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |            |       |
| 110-86-1       | Pyridine                   | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 100-52-7       | Benzaldehyde               | 4.00  | U         | 4.00 | 10.0       | ug/L  |
| 95-48-7        | 2-Methylphenol             | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone               | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols          | 1.20  | U         | 1.20 | 10.0       | ug/L  |
| 98-95-3        | Nitrobenzene               | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol         | 0.88  | U         | 0.88 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol      | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol      | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene             | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene               | 0.81  | U         | 0.81 | 5.00       | ug/L  |
| 132-64-9       | Dibenzofuran               | 0.93  | U         | 0.93 | 5.00       | ug/L  |
| 86-73-7        | Fluorene                   | 0.96  | U         | 0.96 | 5.00       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 1.90  | U         | 1.90 | 10.0       | ug/L  |
| 85-01-8        | Phenanthrene               | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 86-74-8        | Carbazole                  | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 84-74-2        | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 206-44-0       | Fluoranthene               | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 129-00-0       | Pyrene                     | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 0.94  | U         | 0.94 | 5.00       | ug/L  |
| 218-01-9       | Chrysene                   | 0.86  | U         | 0.86 | 5.00       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 1.90  | U         | 1.90 | 5.00       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 1.70  | U         | 1.70 | 5.00       | ug/L  |

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: |               |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  |               |
| Client Sample ID:  | PB162822BL                            | SDG No.:        | P3657         |
| Lab Sample ID:     | PB162822BL                            | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021567.D        | 1         | 08/19/24 09:40 | 08/20/24 10:49 | PB162822      |

| CAS Number | Parameter              | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|------------------------|-------|-----------|------|------------|-------|
| 193-39-5   | Indeno(1,2,3-cd)pyrene | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene   | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 123-91-1   | 1,4-Dioxane            | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 90-12-0    | 1-Methylnaphthalene    | 0.86  | U         | 0.86 | 5.00       | ug/L  |

### SURROGATES

|            |                      |      |  |                     |      |          |
|------------|----------------------|------|--|---------------------|------|----------|
| 367-12-4   | 2-Fluorophenol       | 130  |  | 15 (10) - 110 (139) | 87%  | SPK: 150 |
| 13127-88-3 | Phenol-d6            | 120  |  | 15 (10) - 110 (134) | 80%  | SPK: 150 |
| 4165-60-0  | Nitrobenzene-d5      | 90.5 |  | 30 (49) - 130 (133) | 91%  | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl     | 78.7 |  | 30 (52) - 130 (132) | 79%  | SPK: 100 |
| 118-79-6   | 2,4,6-Tribromophenol | 158  |  | 15 (44) - 110 (137) | 105% | SPK: 150 |
| 1718-51-0  | Terphenyl-d14        | 82.4 |  | 30 (48) - 130 (125) | 82%  | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |         |        |
|------------|------------------------|---------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 385000  | 7.805  |
| 1146-65-2  | Naphthalene-d8         | 1560000 | 10.593 |
| 15067-26-2 | Acenaphthene-d10       | 1020000 | 14.445 |
| 1517-22-2  | Phenanthrene-d10       | 2410000 | 17.257 |
| 1719-03-5  | Chrysene-d12           | 2580000 | 21.722 |
| 1520-96-3  | Perylene-d12           | 2890000 | 25.18  |

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\_P\Data\BP082024\  
Data File : BP021567.D  
Acq On : 20 Aug 2024 10:49  
Operator : RC/JU  
Sample : PB162822BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

Quant Time: Aug 20 11:21:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.805  | 152  | 385209   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.593 | 136  | 1560541  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.445 | 164  | 1021934  | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.257 | 188  | 2408801  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.722 | 240  | 2576176  | 20.000  | ng    | 0.02     |
| 86) Perylene-d12            | 25.180 | 264  | 2892860  | 20.000  | ng    | 0.08     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.405  | 112  | 3380481  | 130.307 | ng    | 0.01     |
| 7) Phenol-d6                | 6.969  | 99   | 4524489  | 119.556 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.952  | 82   | 2737375  | 90.539  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.963 | 330  | 1796946  | 157.991 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.063 | 172  | 5272853  | 78.745  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.986 | 244  | 10921233 | 82.358  | ng    | 0.01     |

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

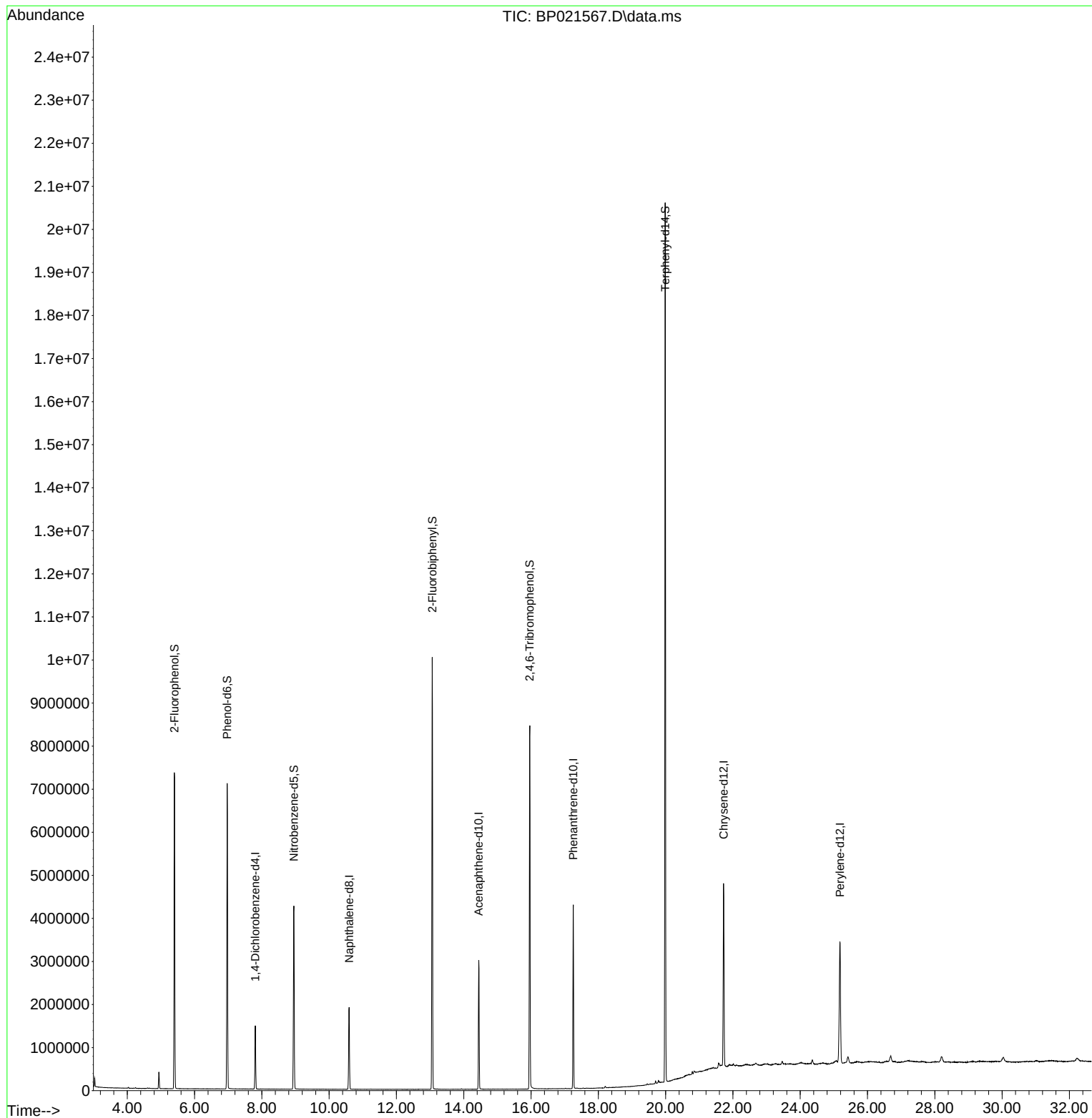
(#) = qualifier out of range (m) = manual integration (+) = signals summed

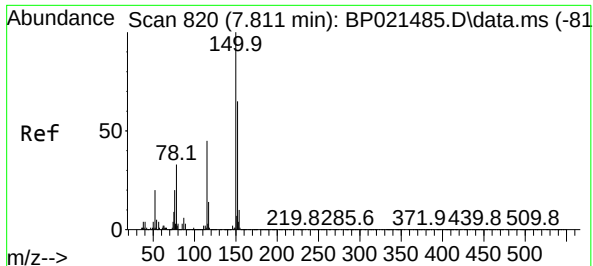


Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021567.D  
Acq On : 20 Aug 2024 10:49  
Operator : RC/JU  
Sample : PB162822BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

Quant Time: Aug 20 11:21:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

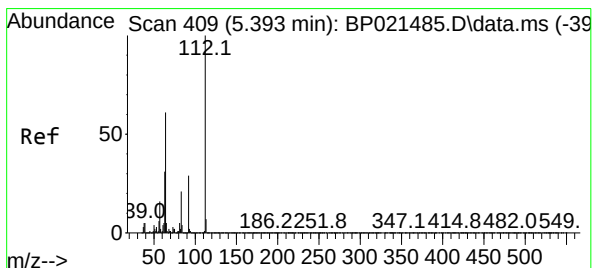
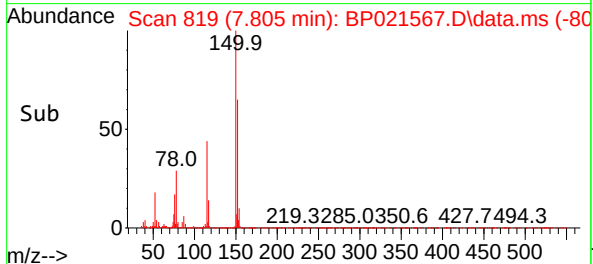
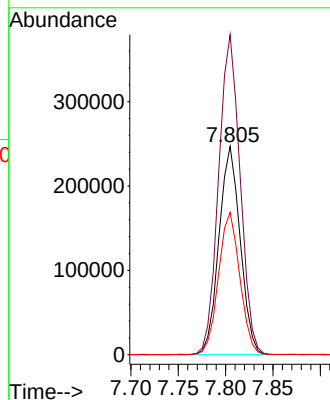
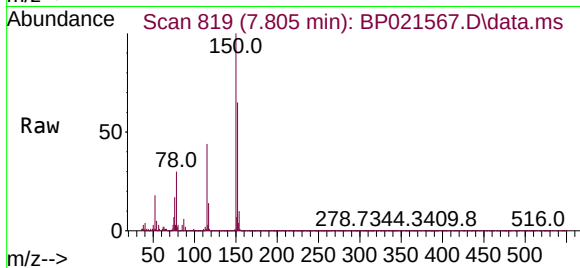




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

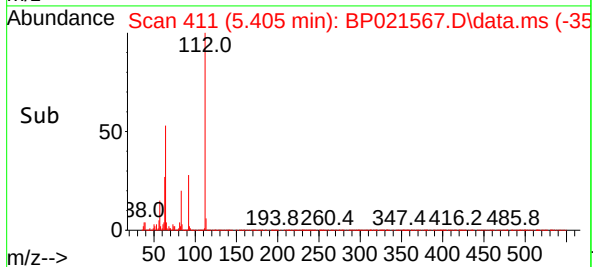
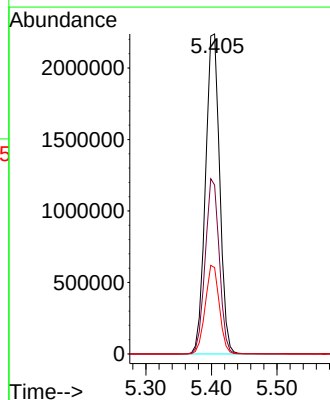
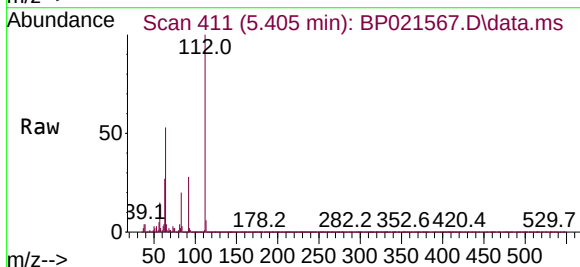
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

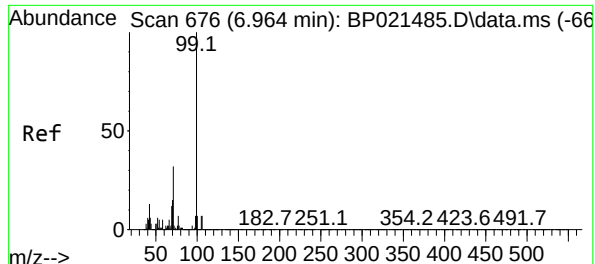
Tgt Ion:152 Resp: 385209  
Ion Ratio Lower Upper  
152 100  
150 153.6 122.4 183.6  
115 68.3 54.7 82.1



#5  
2-Fluorophenol  
Concen: 130.307 ng  
RT: 5.405 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion:112 Resp: 3380481  
Ion Ratio Lower Upper  
112 100  
64 52.8 49.0 73.6  
63 27.0 24.6 36.8

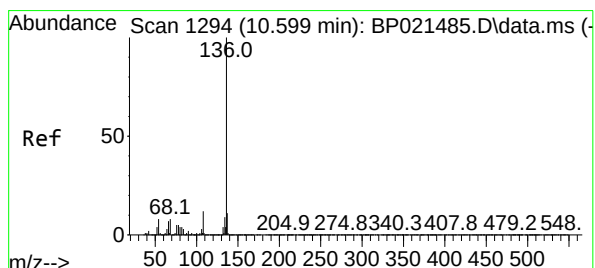
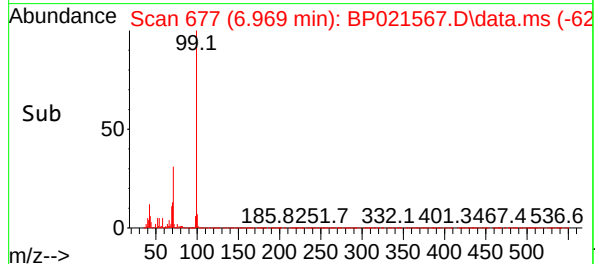
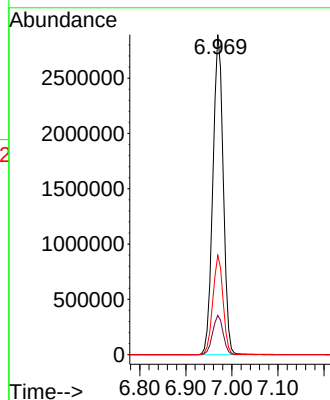
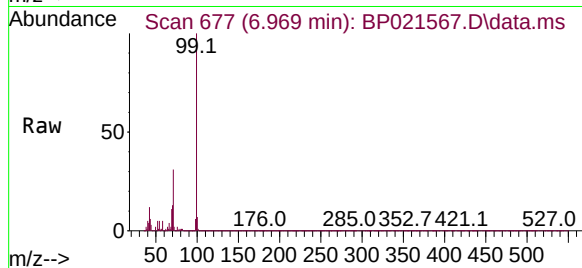




#7  
Phenol-d6  
Concen: 119.556 ng  
RT: 6.969 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

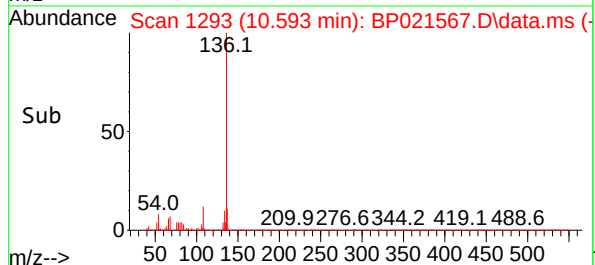
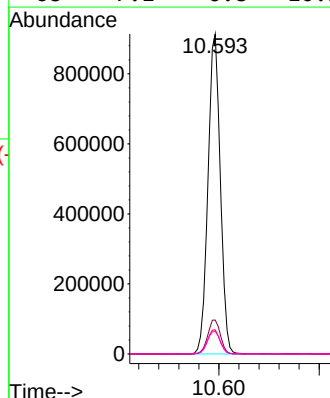
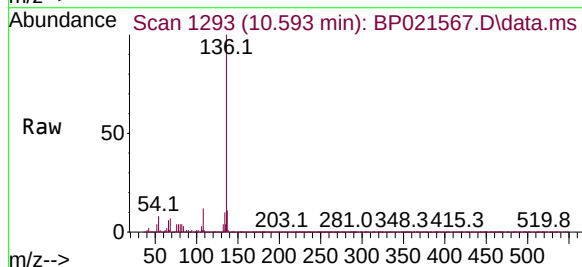
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BL

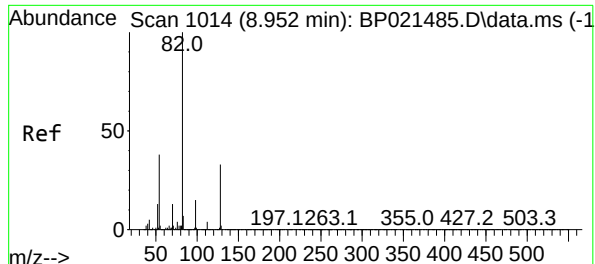
Tgt Ion: 99 Resp: 4524489  
Ion Ratio Lower Upper  
99 100  
42 12.3 10.2 15.4  
71 31.1 25.8 38.8



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BP021567.D  
Acq: 20 Aug 2024 10:49

Tgt Ion: 136 Resp: 1560541  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 7.5 6.3 9.5  
68 7.1 6.8 10.2





#23

Nitrobenzene-d5

Concen: 90.539 ng

RT: 8.952 min Scan# 1014

Delta R.T. -0.000 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

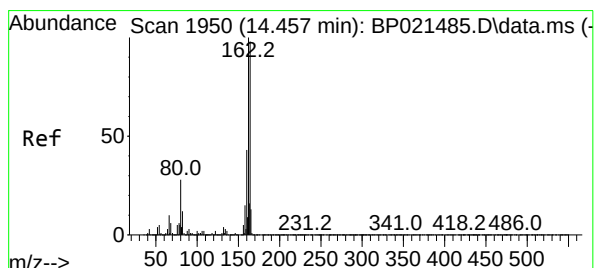
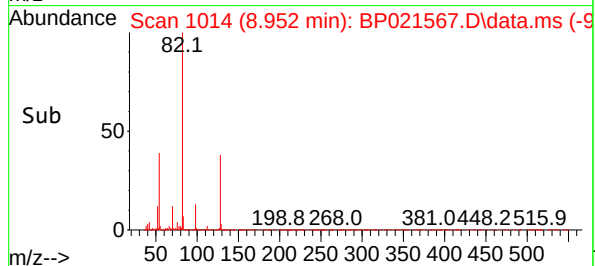
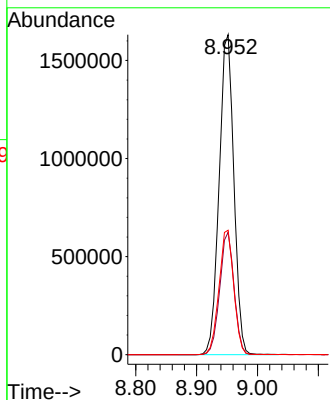
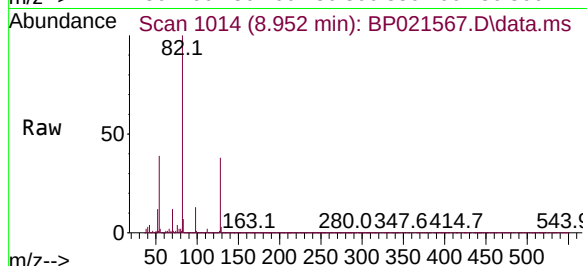
BNA\_P

ClientSampleId :

PB162822BL

Tgt Ion: 82 Resp: 2737375

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.3  | 26.5  | 39.7  |
| 54  | 38.9  | 30.3  | 45.5  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 1948

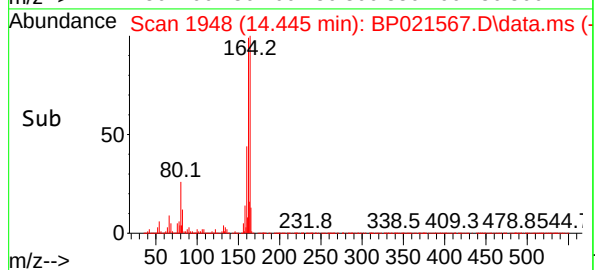
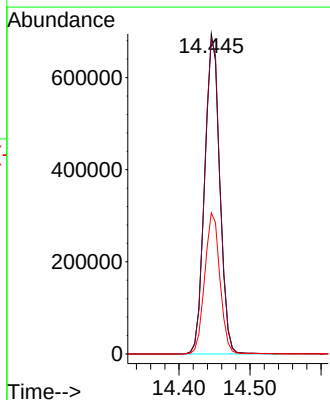
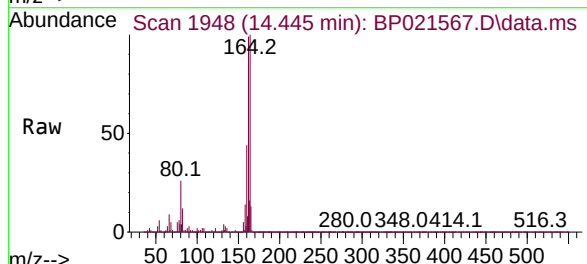
Delta R.T. -0.012 min

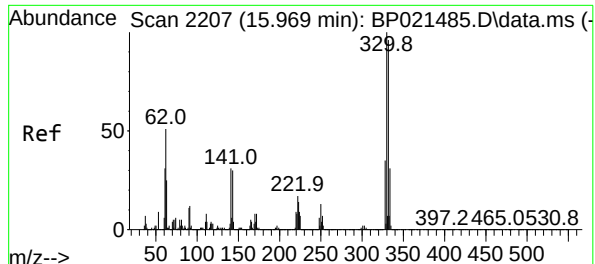
Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Tgt Ion: 164 Resp: 1021934

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 98.6  | 81.5  | 122.3 |
| 160 | 44.1  | 35.2  | 52.8  |





#42

2,4,6-Tribromophenol

Concen: 157.991 ng

RT: 15.963 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

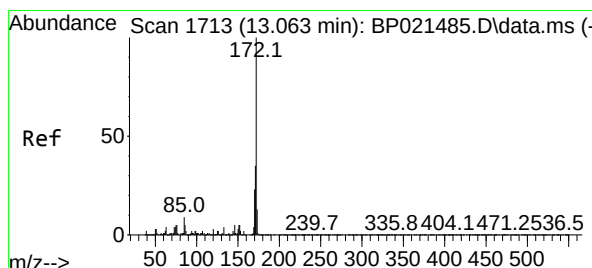
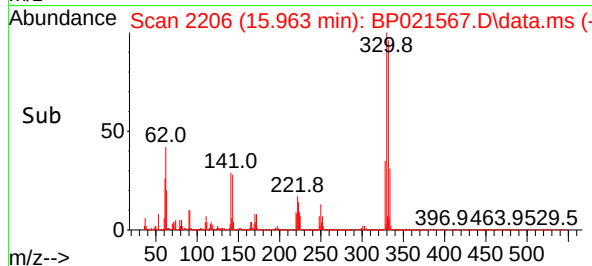
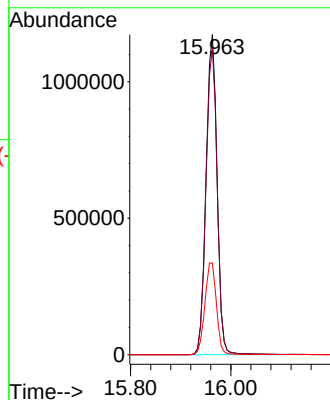
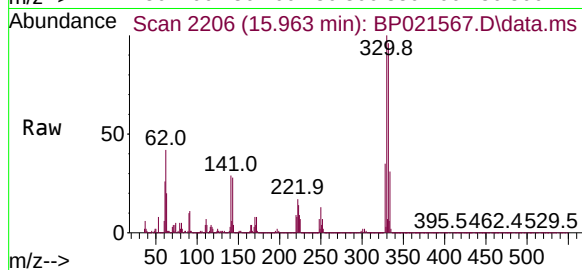
Tgt Ion:330 Resp: 1796946

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 30.0 24.5 36.7



#45

2-Fluorobiphenyl

Concen: 78.745 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

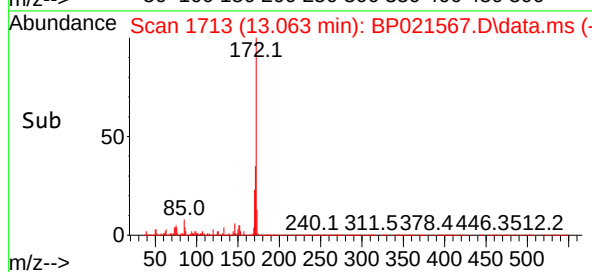
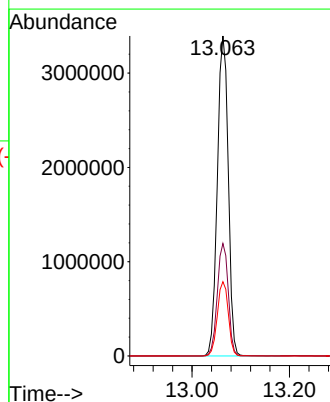
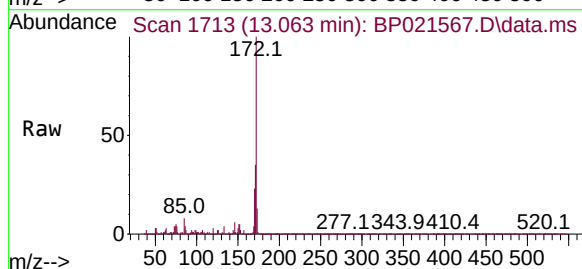
Tgt Ion:172 Resp: 5272853

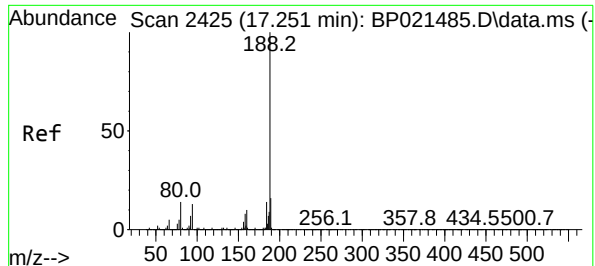
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.2 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.257 min Scan# 24

Delta R.T. 0.006 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

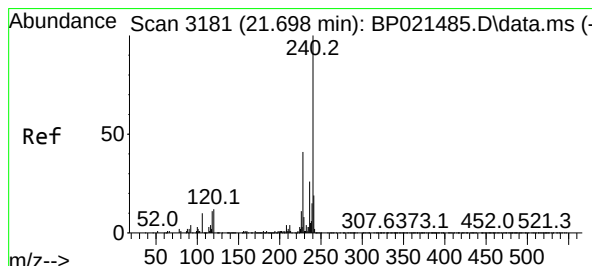
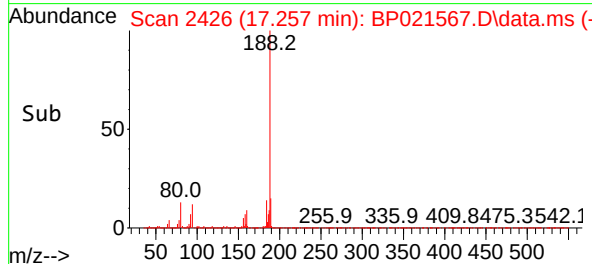
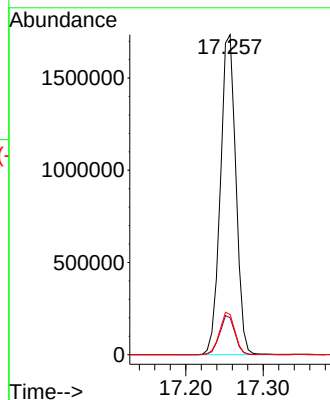
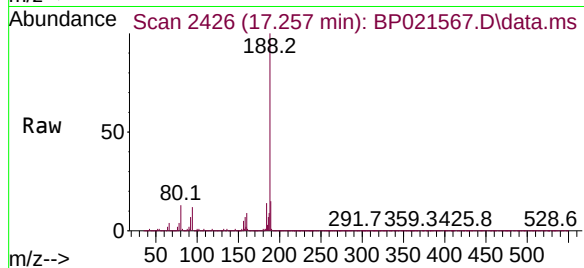
Tgt Ion:188 Resp: 2408801

Ion Ratio Lower Upper

188 100

94 11.6 10.2 15.4

80 12.6 11.6 17.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.722 min Scan# 3185

Delta R.T. 0.024 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

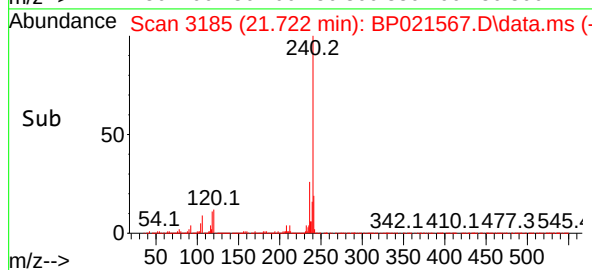
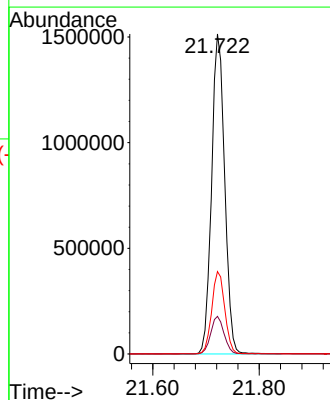
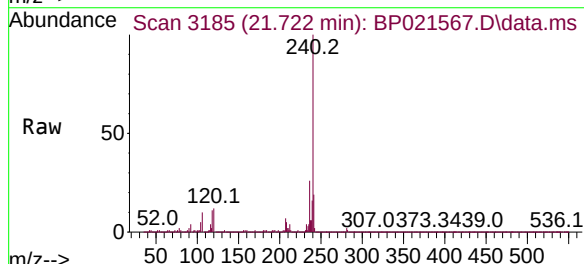
Tgt Ion:240 Resp: 2576176

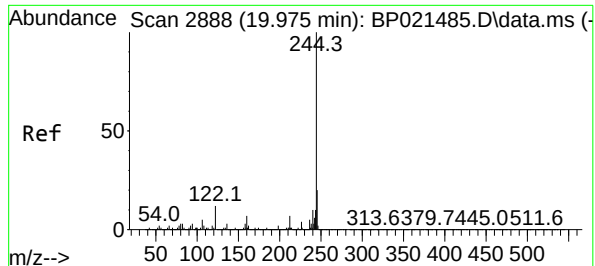
Ion Ratio Lower Upper

240 100

120 11.8 9.9 14.9

236 25.7 20.6 30.8





#79

Terphenyl-d14

Concen: 82.358 ng

RT: 19.986 min Scan# 21

Delta R.T. 0.011 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA\_P

ClientSampleId :

PB162822BL

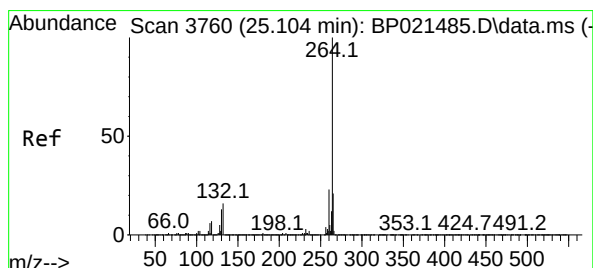
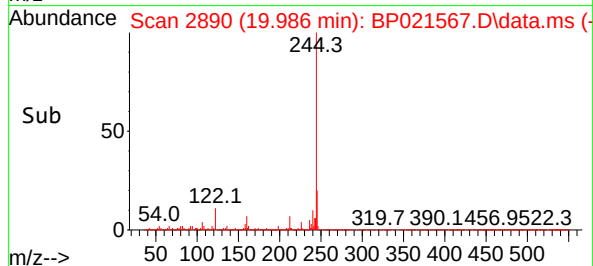
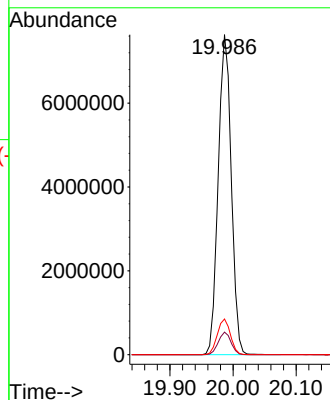
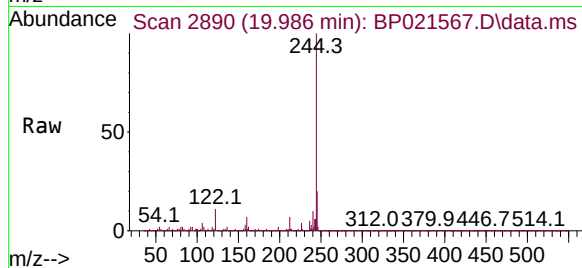
Tgt Ion:244 Resp:10921233

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.1 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.180 min Scan# 3773

Delta R.T. 0.076 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

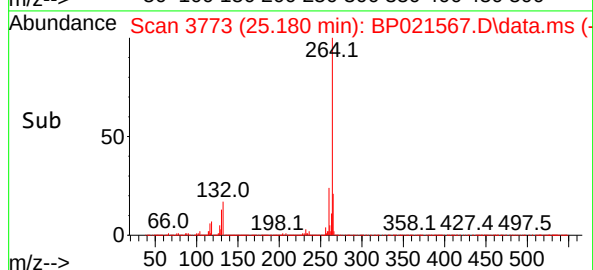
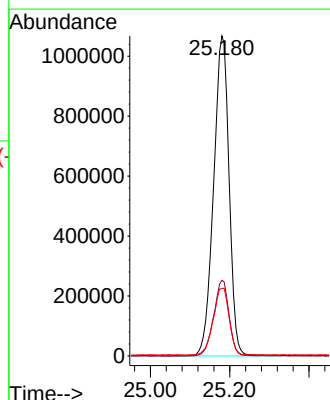
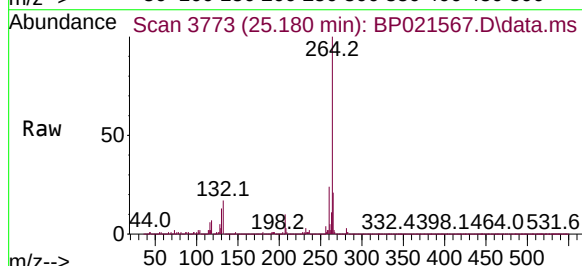
Tgt Ion:264 Resp: 2892860

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.1 17.1 25.7



## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: |               |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  |               |
| Client Sample ID:  | PB162822BS                            | SDG No.:        | P3657         |
| Lab Sample ID:     | PB162822BS                            | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021568.D        | 1         | 08/19/24 09:40 | 08/20/24 11:31 | PB162822      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |            |       |
| 110-86-1       | Pyridine                   | 28.7  |           | 1.60 | 5.00       | ug/L  |
| 100-52-7       | Benzaldehyde               | 16.8  |           | 4.00 | 10.0       | ug/L  |
| 95-48-7        | 2-Methylphenol             | 49.7  |           | 1.10 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone               | 39.8  |           | 1.10 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols          | 51.5  |           | 1.20 | 10.0       | ug/L  |
| 98-95-3        | Nitrobenzene               | 44.7  |           | 1.30 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol         | 56.0  |           | 0.88 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                | 43.9  |           | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 41.5  |           | 1.30 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 44.8  |           | 1.10 | 5.00       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol      | 57.1  |           | 0.89 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol      | 55.3  |           | 1.00 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene             | 48.9  |           | 1.00 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene               | 51.6  |           | 0.81 | 5.00       | ug/L  |
| 132-64-9       | Dibenzofuran               | 45.7  |           | 0.93 | 5.00       | ug/L  |
| 86-73-7        | Fluorene                   | 43.7  |           | 0.96 | 5.00       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 44.5  |           | 1.10 | 5.00       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 110   | E         | 1.90 | 10.0       | ug/L  |
| 85-01-8        | Phenanthrene               | 46.6  |           | 0.89 | 5.00       | ug/L  |
| 86-74-8        | Carbazole                  | 47.8  |           | 1.20 | 5.00       | ug/L  |
| 84-74-2        | Di-n-butylphthalate        | 48.4  |           | 1.50 | 5.00       | ug/L  |
| 206-44-0       | Fluoranthene               | 46.1  |           | 1.30 | 5.00       | ug/L  |
| 129-00-0       | Pyrene                     | 48.5  |           | 1.10 | 5.00       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 47.9  |           | 0.94 | 5.00       | ug/L  |
| 218-01-9       | Chrysene                   | 48.0  |           | 0.86 | 5.00       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 54.2  |           | 1.90 | 5.00       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 51.7  |           | 1.10 | 5.00       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 50.4  |           | 1.20 | 5.00       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 54.3  |           | 1.70 | 5.00       | ug/L  |



## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: |               |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  |               |
| Client Sample ID:  | PB162822BS                            | SDG No.:        | P3657         |
| Lab Sample ID:     | PB162822BS                            | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021568.D        | 1         | 08/19/24 09:40 | 08/20/24 11:31 | PB162822      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|------------------------|---------|-----------|---------------------|------------|----------|
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 54.2    |           | 1.00                | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 53.3    |           | 1.20                | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 51.4    |           | 1.20                | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane            | 28.5    |           | 1.30                | 5.00       | ug/L     |
| 90-12-0                   | 1-Methylnaphthalene    | 42.7    |           | 0.86                | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                        |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol         | 139     |           | 15 (10) - 110 (139) | 93%        | SPK: 150 |
| 13127-88-3                | Phenol-d6              | 131     |           | 15 (10) - 110 (134) | 87%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5        | 93.7    |           | 30 (49) - 130 (133) | 94%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 79.6    |           | 30 (52) - 130 (132) | 80%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol   | 157     |           | 15 (44) - 110 (137) | 105%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14          | 85.2    |           | 30 (48) - 130 (125) | 85%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 495000  | 7.81      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8         | 2070000 | 10.599    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10       | 1390000 | 14.451    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 3040000 | 17.257    |                     |            |          |
| 1719-03-5                 | Chrysene-d12           | 2680000 | 21.727    |                     |            |          |
| 1520-96-3                 | Perylene-d12           | 2880000 | 25.168    |                     |            |          |

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\_P\Data\BP082024\  
Data File : BP021568.D  
Acq On : 20 Aug 2024 11:31  
Operator : RC/JU  
Sample : PB162822BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Quant Time: Aug 20 12:11:11 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.810  | 152  | 494651   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.599 | 136  | 2073175  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.451 | 164  | 1389376  | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.257 | 188  | 3038381  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.727 | 240  | 2684396  | 20.000  | ng    | 0.03     |
| 86) Perylene-d12              | 25.168 | 264  | 2880701  | 20.000  | ng    | 0.06     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.411  | 112  | 4632548  | 139.062 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.981  | 99   | 6354941  | 130.771 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 8.957  | 82   | 3764035  | 93.712  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 2430215  | 157.161 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 7244303  | 79.575  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.980 | 244  | 11775634 | 85.222  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.322  | 88   | 450308   | 28.508  | ng    | 99       |
| 3) Pyridine                   | 3.717  | 79   | 1265449m | 28.698  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 562224   | 42.420  | ng    | 90       |
| 6) Aniline                    | 7.134  | 93   | 1353041  | 27.851  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.381  | 128  | 1635284  | 53.119  | ng    | 94       |
| 9) Benzaldehyde               | 6.946  | 77   | 523494m  | 16.825  | ng    |          |
| 10) Phenol                    | 7.005  | 94   | 2456949  | 48.824  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1787223  | 41.972  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.705  | 146  | 1603283  | 43.844  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.846  | 146  | 1626757  | 44.056  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.157  | 146  | 1576656  | 44.308  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.046  | 79   | 1665499  | 47.766  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.328  | 45   | 1679419  | 42.828  | ng    | 97       |
| 17) 2-Methylphenol            | 8.246  | 107  | 1581707  | 49.719  | ng    | 97       |
| 18) Hexachloroethane          | 8.893  | 117  | 671831   | 45.372  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.610  | 70   | 1291565  | 38.475  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.575  | 107  | 2208573  | 51.486  | ng    | 98       |
| 22) Acetophenone              | 8.622  | 105  | 2535541  | 39.810  | ng    | 98       |
| 24) Nitrobenzene              | 8.999  | 77   | 1948611  | 44.668  | ng    | 91       |
| 25) Isophorone                | 9.528  | 82   | 3876788  | 40.856  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.704  | 139  | 810333   | 63.198  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.769  | 122  | 1260392  | 53.822  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.004 | 93   | 2441309  | 42.148  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 1550319  | 56.031  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 1545646  | 43.572  | ng    | 98       |
| 31) Naphthalene               | 10.646 | 128  | 4750296  | 43.861  | ng    | 100      |
| 32) Benzoic acid              | 9.928  | 122  | 1255905  | 69.217  | ng    | 91       |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1147903  | 28.216  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 927946   | 41.546  | ng    | 99       |
| 35) Caprolactam               | 11.534 | 113  | 591792m  | 51.386  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.875 | 107  | 2044802  | 53.276  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 3311877  | 44.806  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 3109322  | 42.651  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.634 | 216  | 1660023  | 40.778  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.610 | 237  | 1502725  | 116.470 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.869 | 196  | 1291184  | 57.099  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
 Data File : BP021568.D  
 Acq On : 20 Aug 2024 11:31  
 Operator : RC/JU  
 Sample : PB162822BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_P

## ClientSampleId :

PB162822BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 12:11:11 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 14 00:00:30 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.945 | 196  | 1389021   | 55.286  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 3996688   | 40.658  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 3361372   | 43.922  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.510 | 65   | 1188075   | 54.598  | ng    | # 85     |
| 49) Acenaphthylene            | 14.169 | 152  | 5500221   | 48.890  | ng    | 100      |
| 50) Dimethylphthalate         | 13.904 | 163  | 4461019   | 47.945  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 982980    | 52.003  | ng    | 93       |
| 52) Acenaphthene              | 14.516 | 154  | 3809412m  | 51.606  | ng    |          |
| 53) 3-Nitroaniline            | 14.345 | 138  | 796079    | 43.541  | ng    | # 90     |
| 54) 2,4-Dinitrophenol         | 14.557 | 184  | 1036408   | 123.071 | ng    | # 87     |
| 55) Dibenzofuran              | 14.857 | 168  | 5192990   | 45.731  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.669 | 139  | 1830474   | 116.168 | ng    | # 85     |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 1414718   | 58.078  | ng    | # 84     |
| 58) Fluorene                  | 15.516 | 166  | 4077699   | 43.711  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.087 | 232  | 1266843   | 59.406  | ng    | 99       |
| 60) Diethylphthalate          | 15.287 | 149  | 4548361   | 47.643  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 2084668   | 43.232  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.528 | 138  | 1019125   | 53.376  | ng    | 92       |
| 63) Azobenzene                | 15.810 | 77   | 4900001   | 41.754  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 760962    | 70.607  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 3761401   | 46.195  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.428 | 248  | 1446723   | 44.989  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 1689715   | 44.464  | ng    | 100      |
| 69) Atrazine                  | 16.710 | 200  | 1219298   | 43.616  | ng    | 100      |
| 70) Pentachlorophenol         | 16.898 | 266  | 2234935   | 107.752 | ng    | 99       |
| 71) Phenanthrene              | 17.304 | 178  | 6812697   | 46.623  | ng    | 100      |
| 72) Anthracene                | 17.392 | 178  | 6814116   | 47.550  | ng    | 100      |
| 73) Carbazole                 | 17.669 | 167  | 6597878   | 47.774  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.275 | 149  | 8213695   | 48.427  | ng    | 99       |
| 75) Fluoranthene              | 19.386 | 202  | 8258942   | 46.065  | ng    | 99       |
| 77) Benzidine                 | 19.575 | 184  | 1737317   | 27.868  | ng    | 99       |
| 78) Pyrene                    | 19.763 | 202  | 8508675   | 48.494  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.716 | 149  | 3674312   | 54.638  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.704 | 228  | 8065910   | 47.864  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.621 | 252  | 2385563   | 44.152  | ng    | 99       |
| 83) Chrysene                  | 21.774 | 228  | 7638418   | 48.009  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.657 | 149  | 5396475   | 54.182  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.980 | 149  | 9325220   | 52.766  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.092 | 276  | 10117374m | 54.182  | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.086 | 252  | 8554644   | 51.707  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.157 | 252  | 8136624   | 50.415  | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.010 | 252  | 7802789   | 54.347  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.198 | 278  | 8263413   | 53.260  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.303 | 276  | 7985298   | 51.350  | ng    | 100      |

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

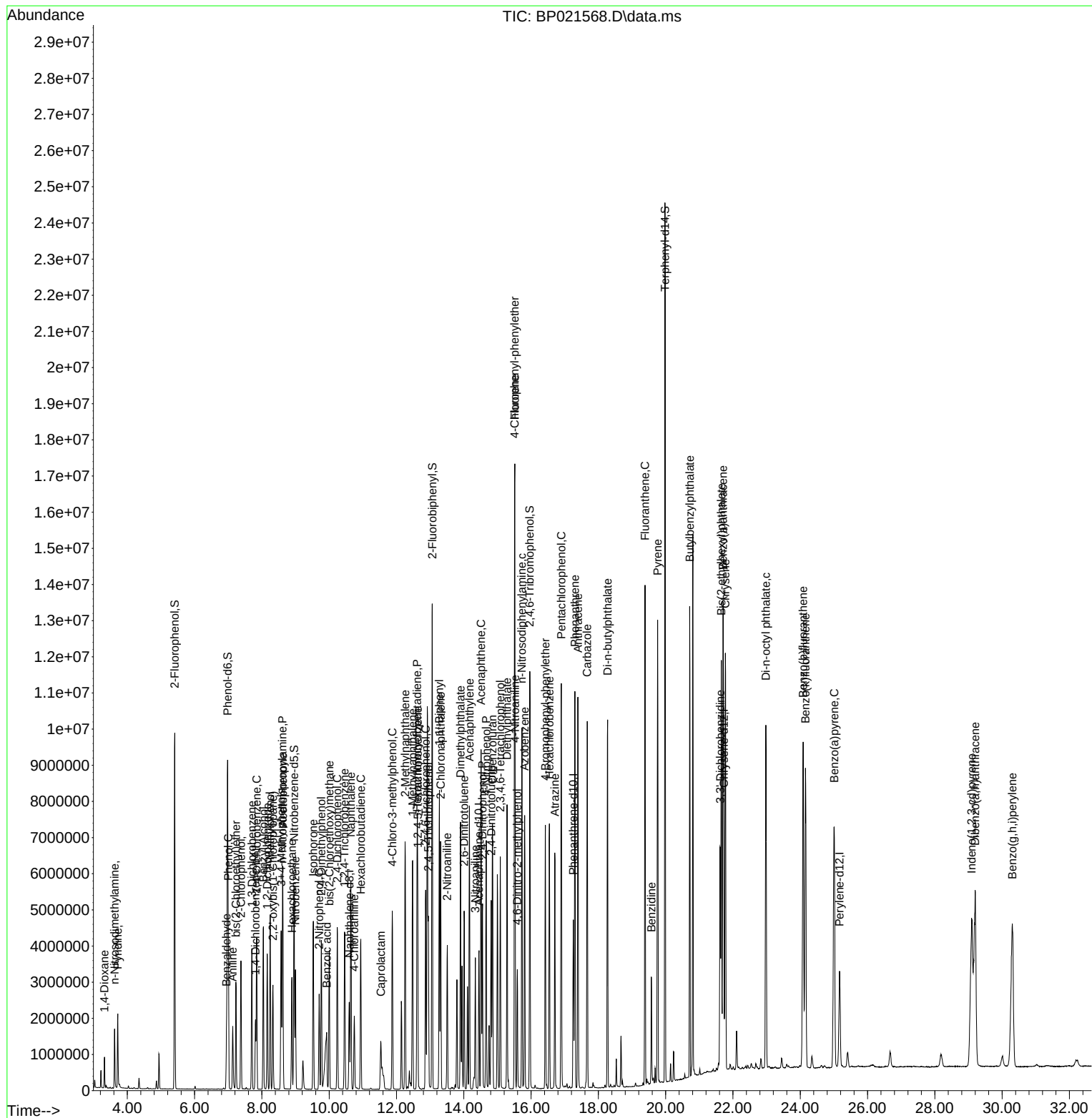
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
Data File : BP021568.D  
Acq On : 20 Aug 2024 11:31  
Operator : RC/JU  
Sample : PB162822BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

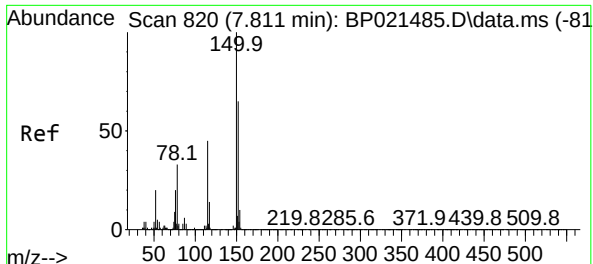
**Instrument :**  
BNA\_P  
**ClientSampleId :**  
PB162822BS

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 20 12:11:11 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 14 00:00:30 2024  
Response via : Initial Calibration





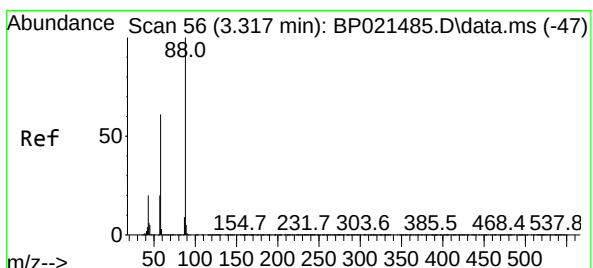
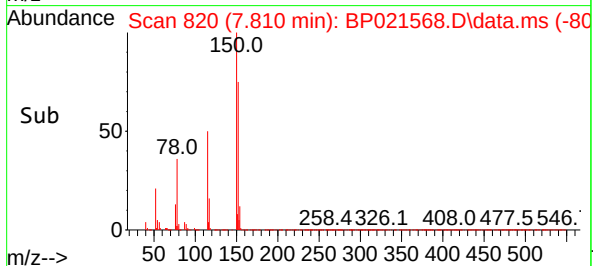
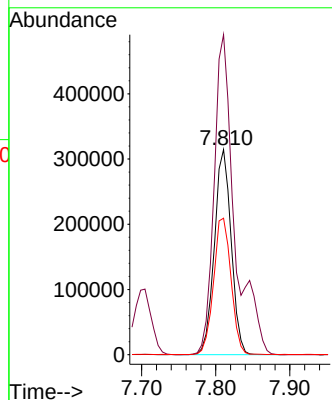
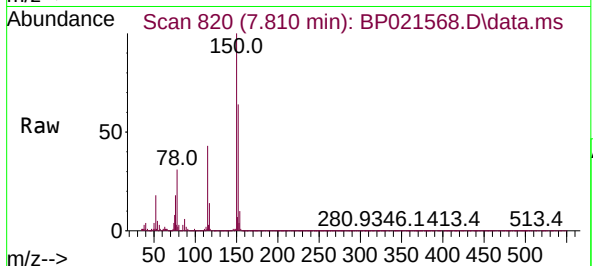
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.810 min Scan# 81  
Delta R.T. -0.001 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Tgt Ion: 152 Resp: 49465  
Ion Ratio Lower Upper  
152 100  
150 155.9 122.4 183.6  
115 66.5 54.7 82.1

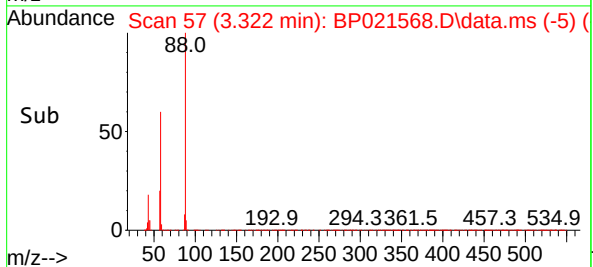
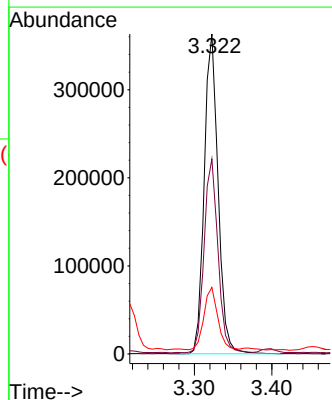
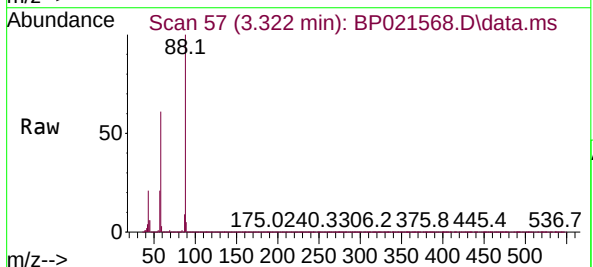
Manual Integrations  
APPROVED

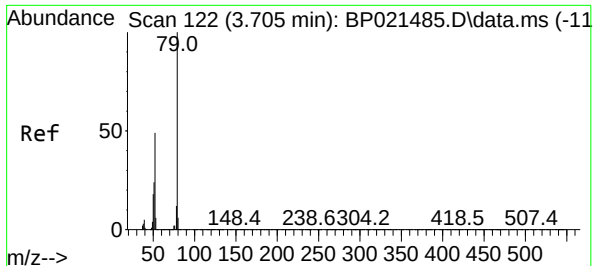
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#2  
1,4-Dioxane  
Concen: 28.508 ng  
RT: 3.322 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

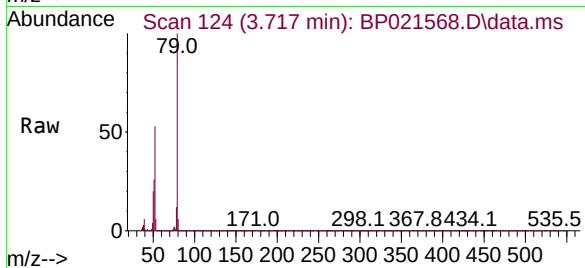
Tgt Ion: 88 Resp: 450308  
Ion Ratio Lower Upper  
88 100  
58 60.3 48.7 73.1  
43 19.4 15.4 23.2





#3  
Pyridine  
Concen: 28.698 ng m  
RT: 3.717 min Scan# 107  
Delta R.T. 0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

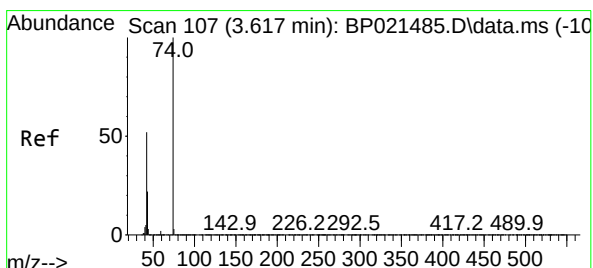
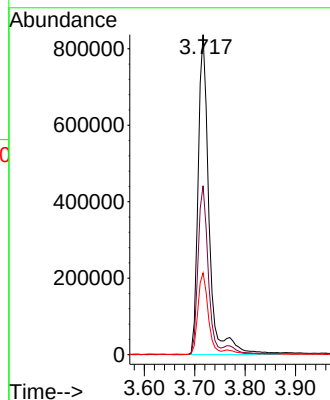
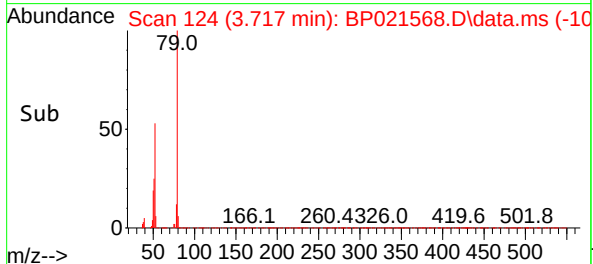
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion: 79 Resp: 1265449  
Ion Ratio Lower Upper  
79 100  
52 52.8 39.0 58.6  
51 25.6 19.2 28.8

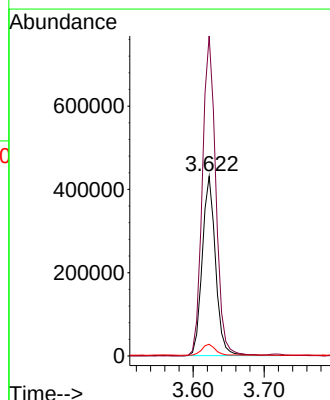
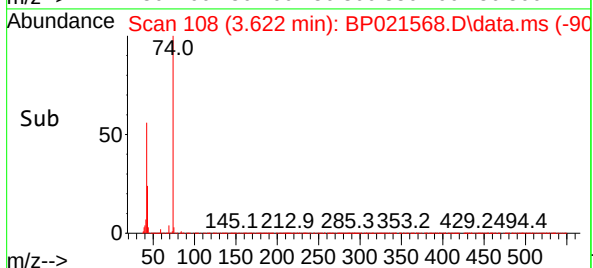
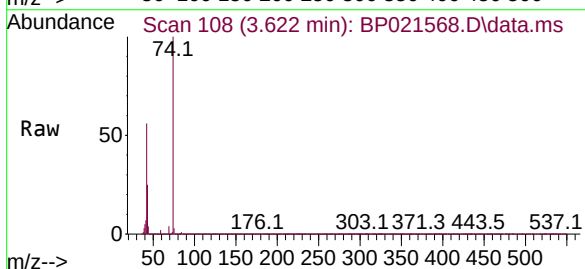
Manual Integrations  
APPROVED

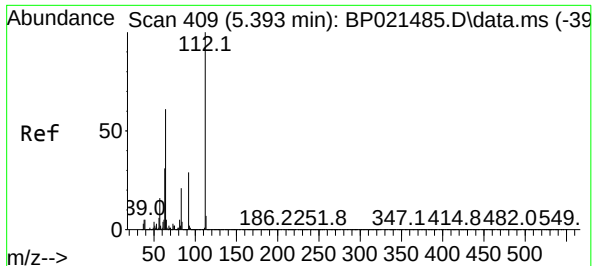
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#4  
n-Nitrosodimethylamine  
Concen: 42.420 ng  
RT: 3.622 min Scan# 108  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

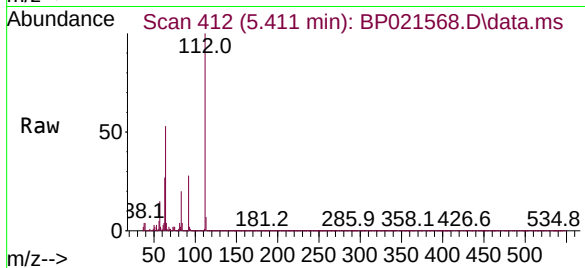
Tgt Ion: 42 Resp: 562224  
Ion Ratio Lower Upper  
42 100  
74 178.2 154.3 231.5  
44 6.6 6.2 9.4





#5  
2-Fluorophenol  
Concen: 139.062 ng  
RT: 5.411 min Scan# 412  
Delta R.T. 0.018 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

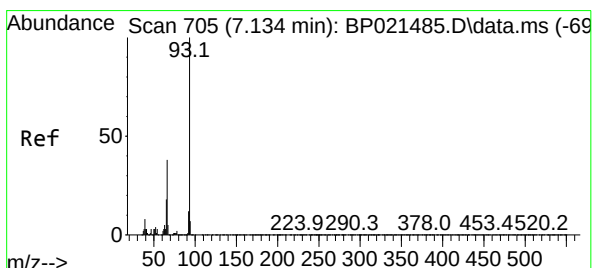
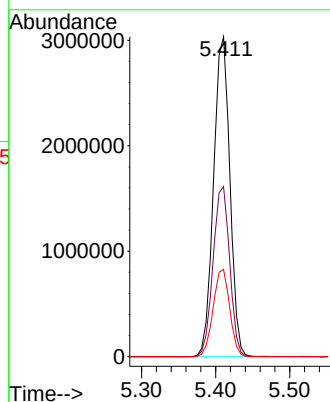
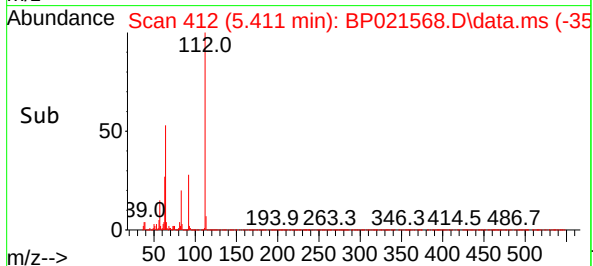
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion: 112 Resp: 463254  
Ion Ratio Lower Upper  
112 100  
64 53.1 49.0 73.6  
63 27.3 24.6 36.8

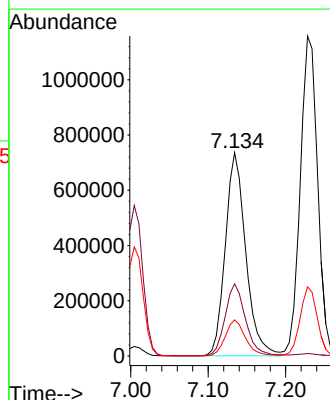
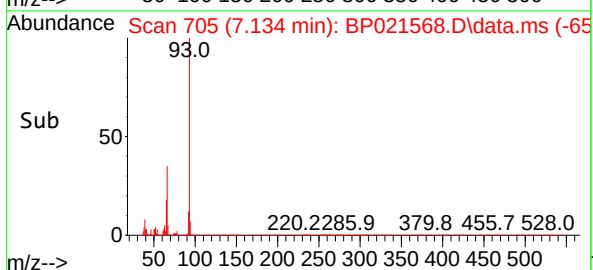
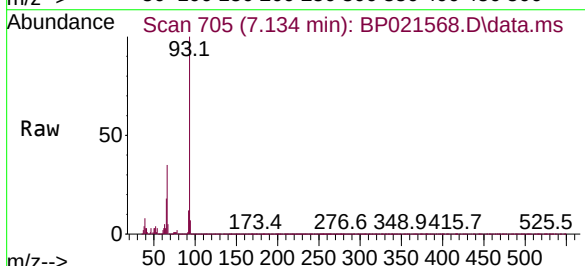
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

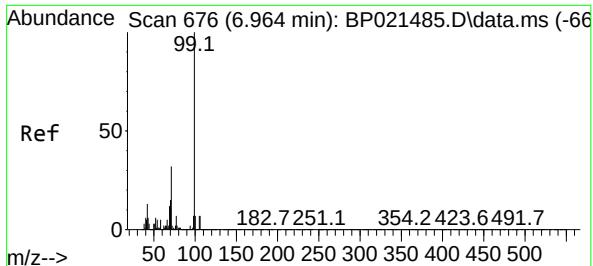


#6  
Aniline  
Concen: 27.851 ng  
RT: 7.134 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion: 93 Resp: 1353041  
Ion Ratio Lower Upper  
93 100  
66 35.5 30.2 45.2  
65 17.8 14.7 22.1







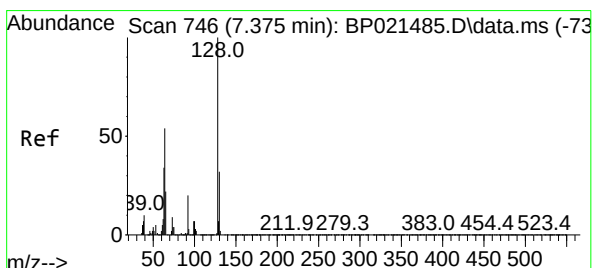
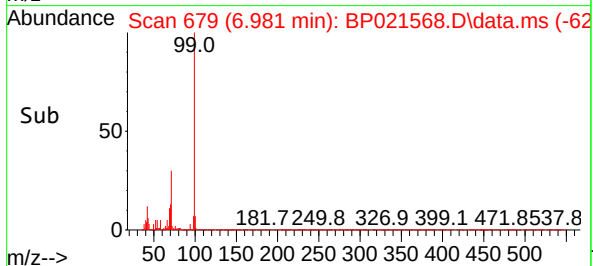
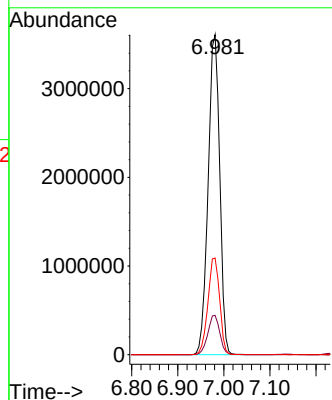
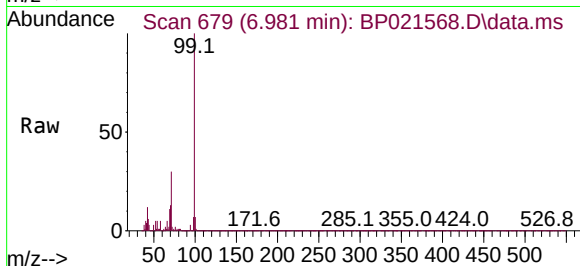
#7  
Phenol-d6  
Concen: 130.771 ng  
RT: 6.981 min Scan# 61  
Delta R.T. 0.018 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Tgt Ion: 99 Resp: 635494  
Ion Ratio Lower Upper  
99 100  
42 12.3 10.2 15.4  
71 30.2 25.8 38.8

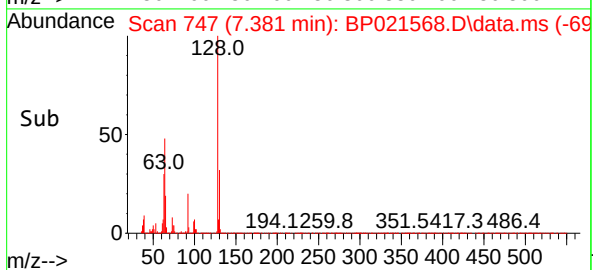
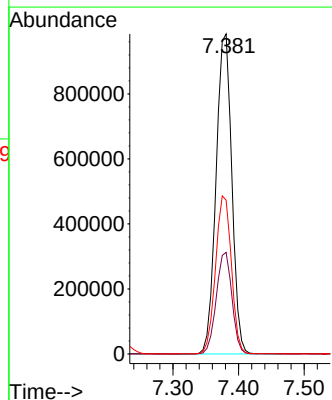
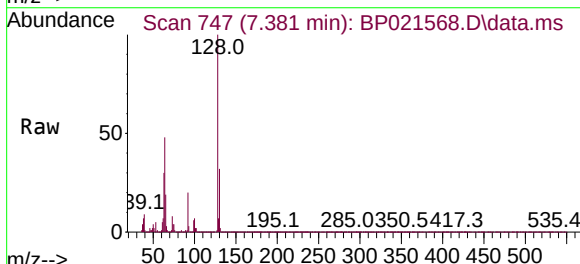
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

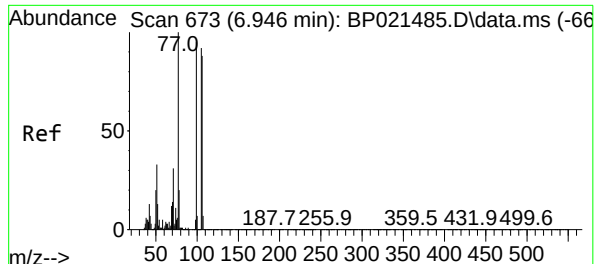


#8  
2-Chlorophenol  
Concen: 53.119 ng  
RT: 7.381 min Scan# 747  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:128 Resp: 1635284  
Ion Ratio Lower Upper  
128 100  
130 31.7 11.6 51.6  
64 48.0 35.3 75.3







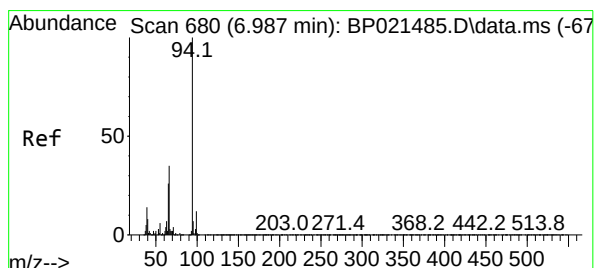
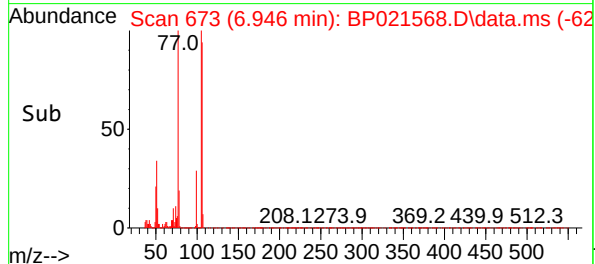
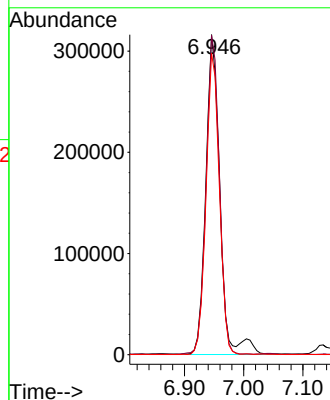
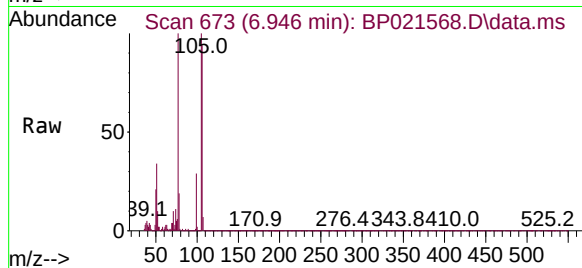
#9  
Benzaldehyde  
Concen: 16.825 ng m  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Tgt Ion: 77 Resp: 523494  
Ion Ratio Lower Upper  
77 100  
105 99.7 72.1 112.1  
106 94.2 67.9 107.9

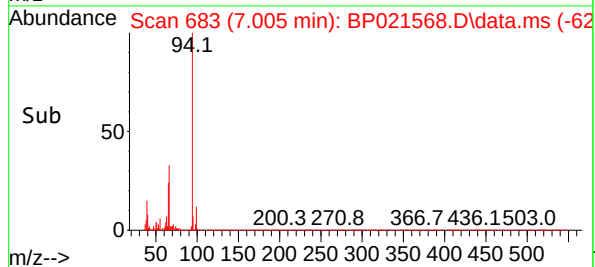
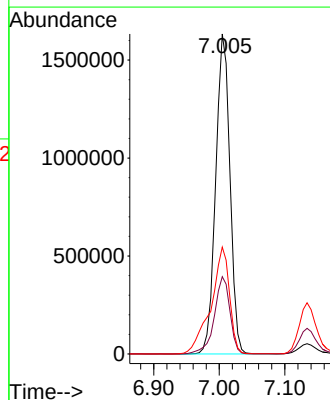
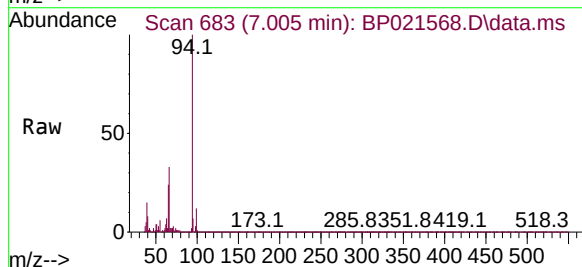
Manual Integrations  
APPROVED

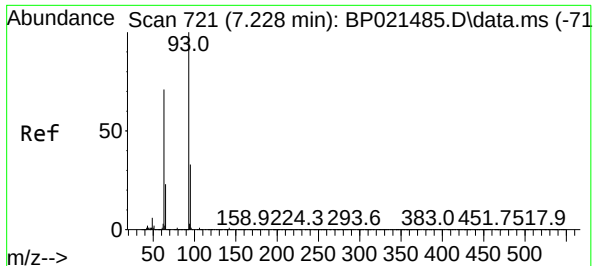
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#10  
Phenol  
Concen: 48.824 ng  
RT: 7.005 min Scan# 683  
Delta R.T. 0.018 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion: 94 Resp: 2456949  
Ion Ratio Lower Upper  
94 100  
65 24.2 6.5 46.5  
66 33.4 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 41.972 ng

RT: 7.228 min Scan# 721

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion: 93 Resp: 178722

Ion Ratio Lower Upper

93 100

63 67.0 51.0 91.0

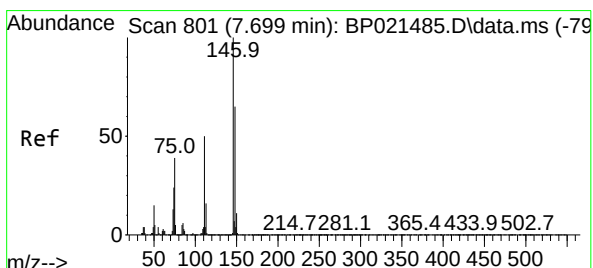
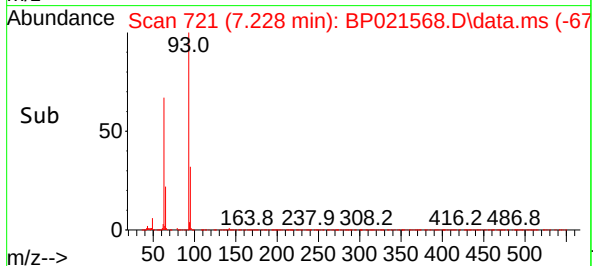
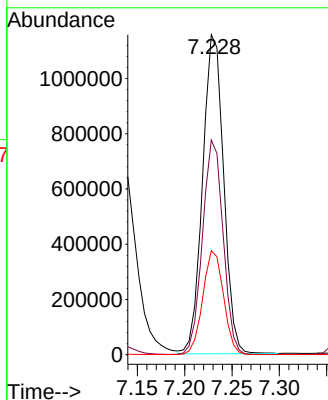
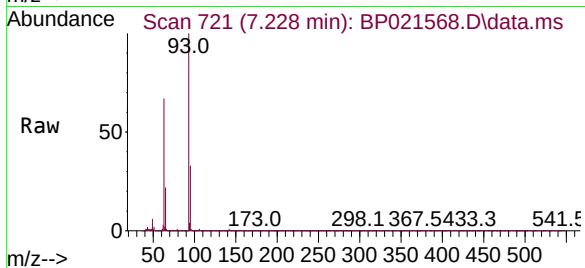
95 32.5 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#12

1,3-Dichlorobenzene

Concen: 43.844 ng

RT: 7.705 min Scan# 802

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

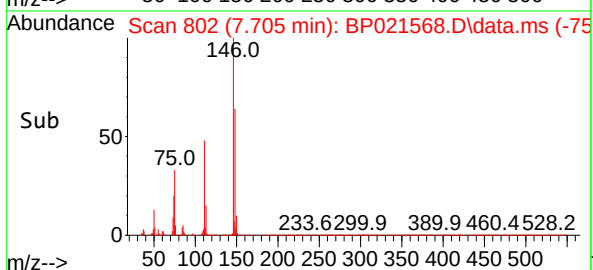
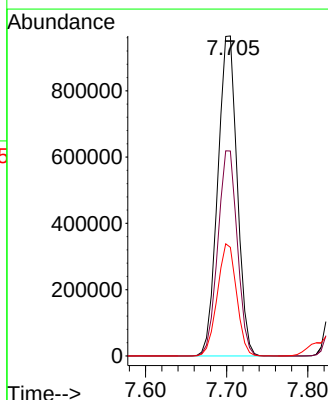
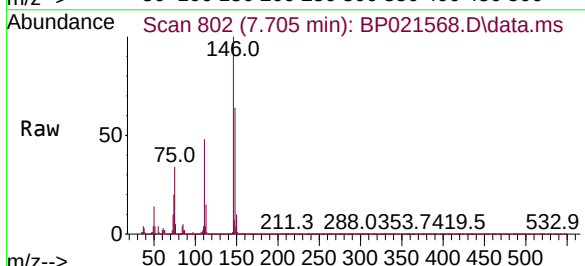
Tgt Ion:146 Resp: 1603283

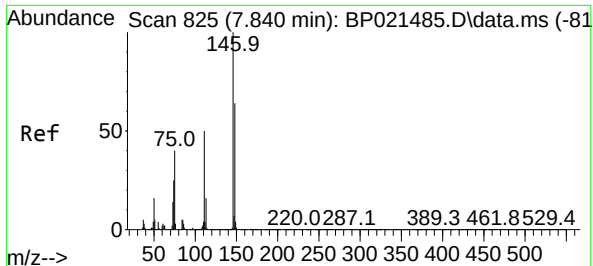
Ion Ratio Lower Upper

146 100

148 64.0 51.8 77.6

75 33.9 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 44.056 ng

RT: 7.846 min Scan# 81

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:146 Resp: 162675

Ion Ratio Lower Upper

146 100

148 64.3 51.5 77.3

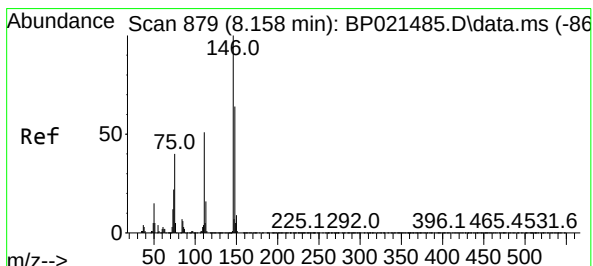
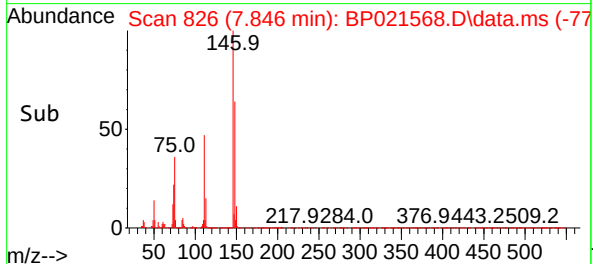
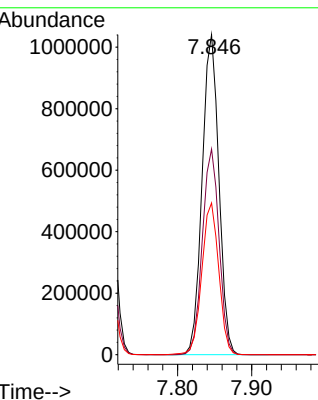
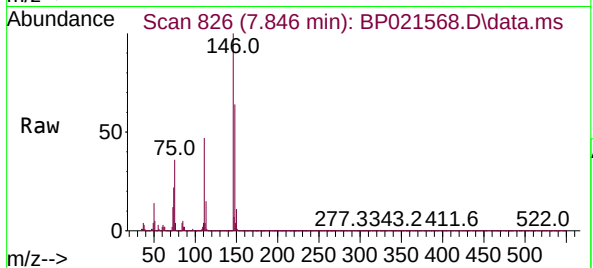
111 47.4 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#14

1,2-Dichlorobenzene

Concen: 44.308 ng

RT: 8.157 min Scan# 879

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

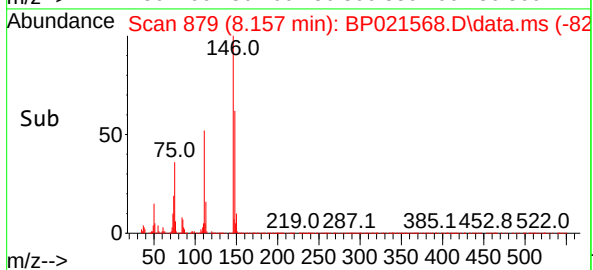
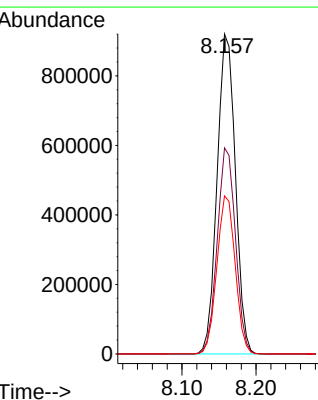
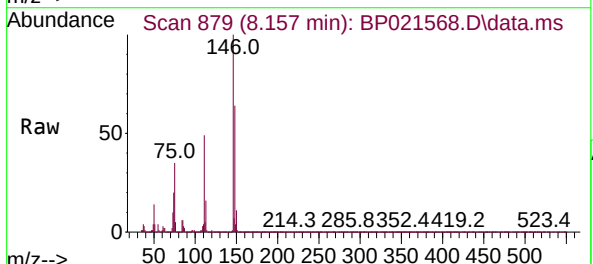
Tgt Ion:146 Resp: 1576656

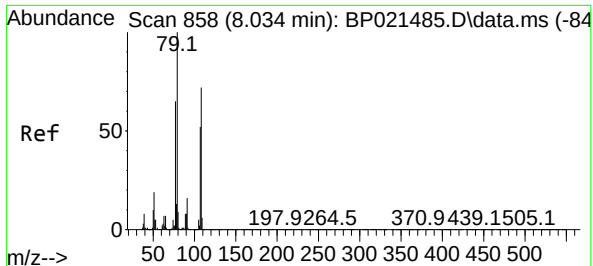
Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

111 49.4 41.1 61.7





#15

Benzyl Alcohol

Concen: 47.766 ng

RT: 8.046 min Scan# 80

Delta R.T. 0.012 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion: 79 Resp: 1665499

Ion Ratio Lower Upper

79 100

108 78.3 57.9 86.9

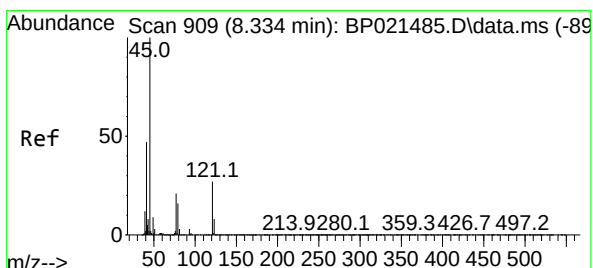
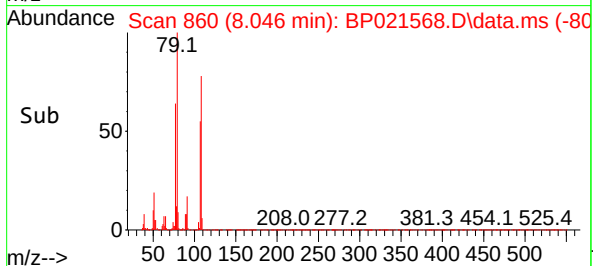
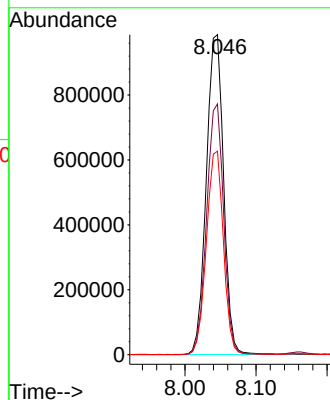
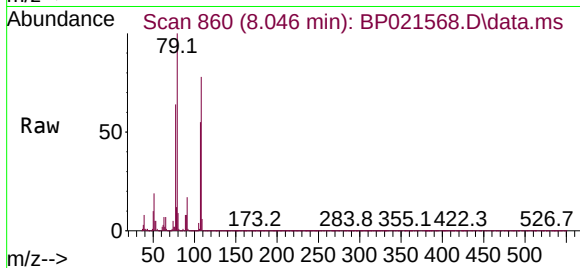
77 63.6 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.828 ng

RT: 8.328 min Scan# 908

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

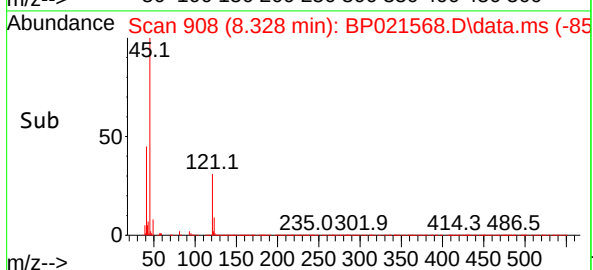
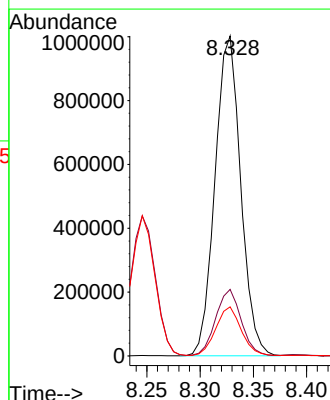
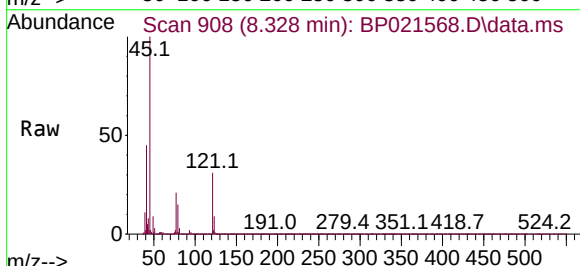
Tgt Ion: 45 Resp: 1679419

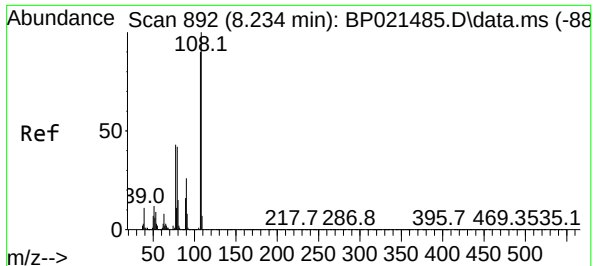
Ion Ratio Lower Upper

45 100

77 20.8 1.9 41.9

79 15.3 0.0 36.6





#17

2-Methylphenol

Concen: 49.719 ng

RT: 8.246 min Scan# 89

Delta R.T. 0.012 min

Lab File: BP021568.D

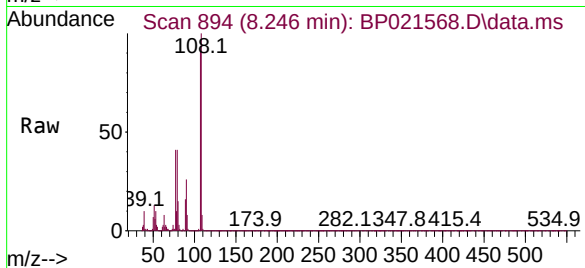
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS



Tgt Ion:107 Resp: 158170

Ion Ratio Lower Upper

107 100

108 109.6 88.8 133.2

77 45.0 38.7 58.1

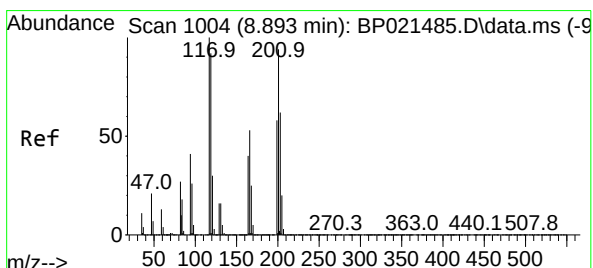
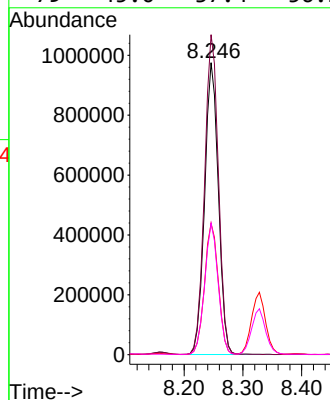
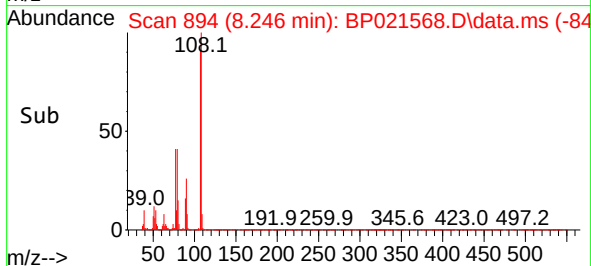
79 45.0 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#18

Hexachloroethane

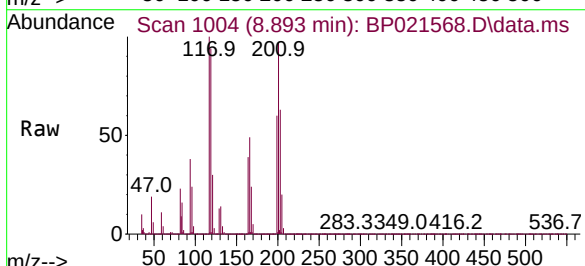
Concen: 45.372 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31



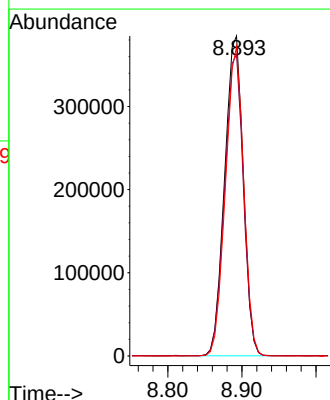
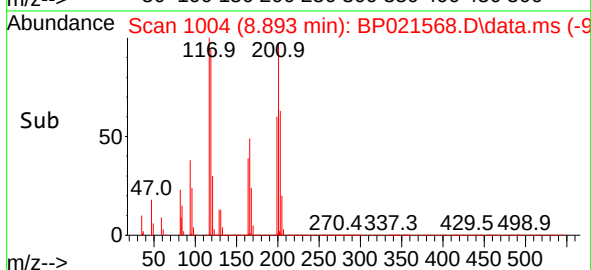
Tgt Ion:117 Resp: 671831

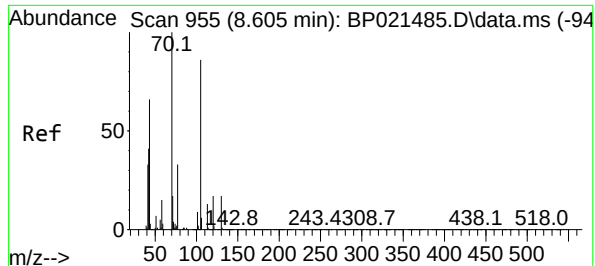
Ion Ratio Lower Upper

117 100

119 94.2 73.9 110.9

201 96.6 74.9 112.3





#19

n-Nitroso-di-n-propylamine

Concen: 38.475 ng

RT: 8.610 min Scan# 91

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion: 70 Resp: 129156

Ion Ratio Lower Upper

70 100

42 43.7 33.1 49.7

101 10.9 7.4 11.2

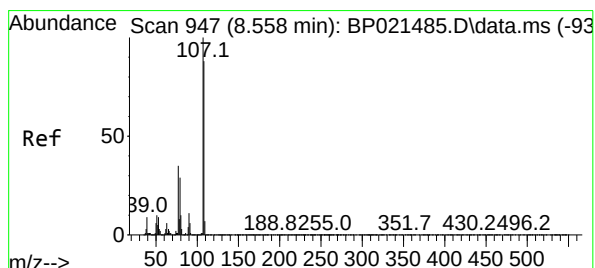
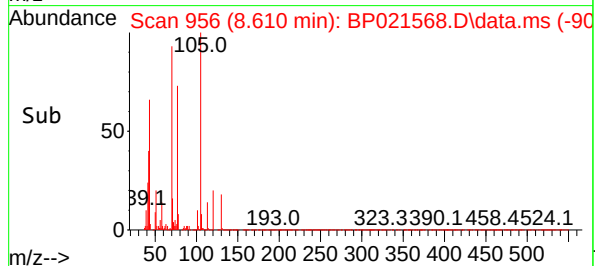
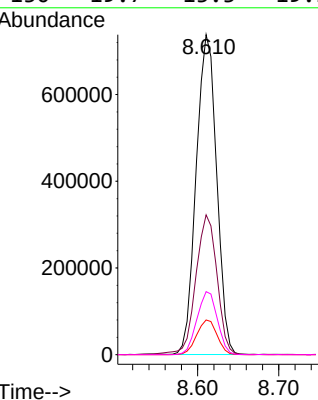
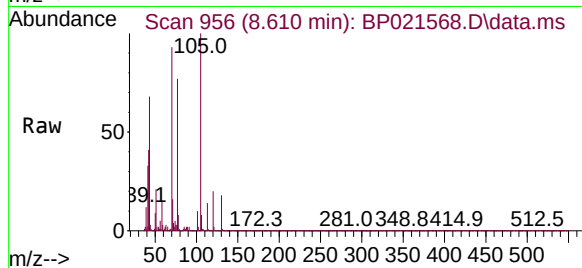
130 19.7 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#20

3+4-Methylphenols

Concen: 51.486 ng

RT: 8.575 min Scan# 950

Delta R.T. 0.018 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Tgt Ion:107 Resp: 2208573

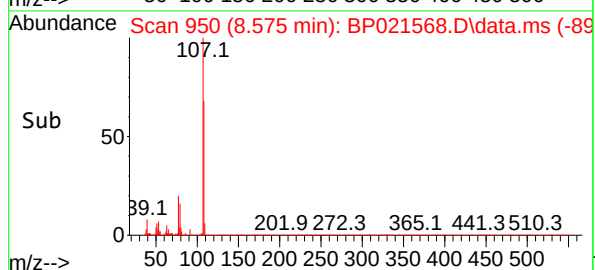
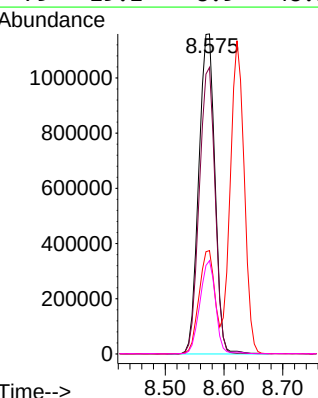
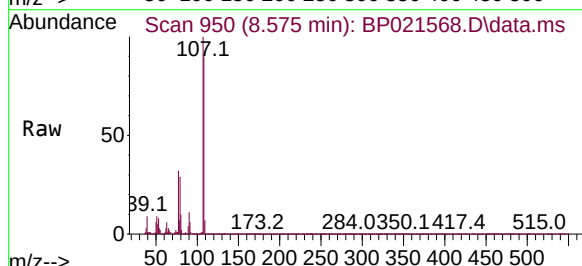
Ion Ratio Lower Upper

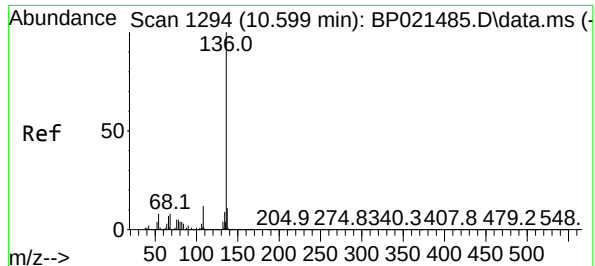
107 100

108 89.5 67.6 107.6

77 32.3 15.0 55.0

79 29.2 8.9 48.9





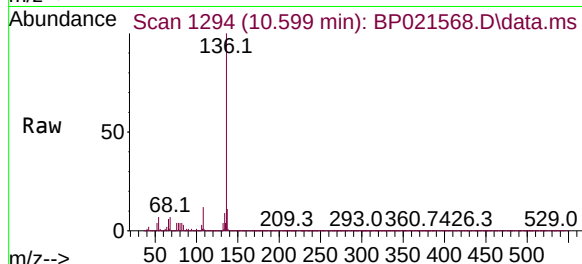
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.599 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

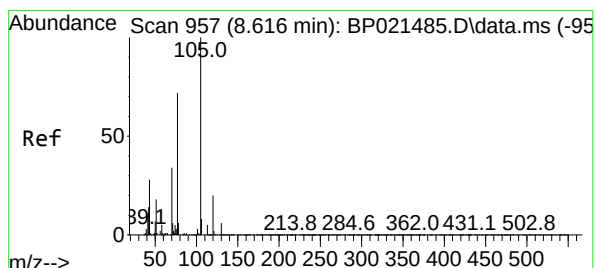
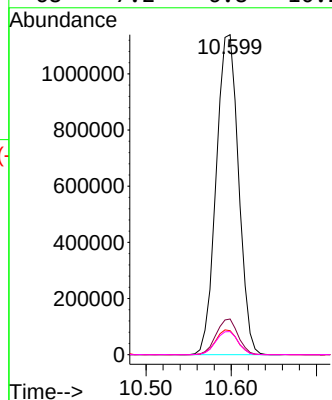
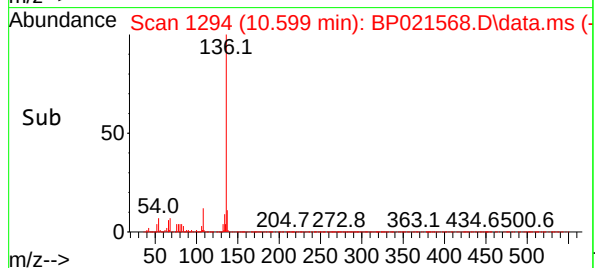


Tgt Ion:136 Resp: 207317

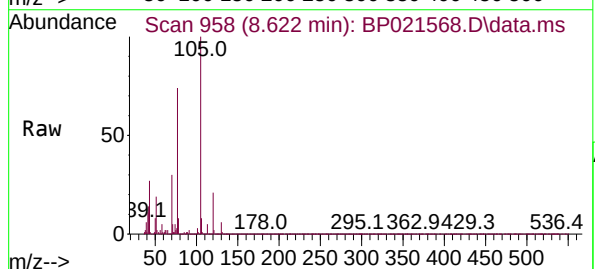
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 7.5   | 6.3   | 9.5   |
| 68  | 7.2   | 6.8   | 10.2  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

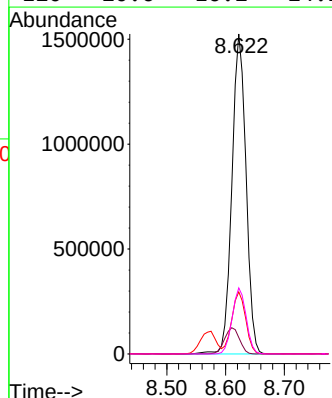
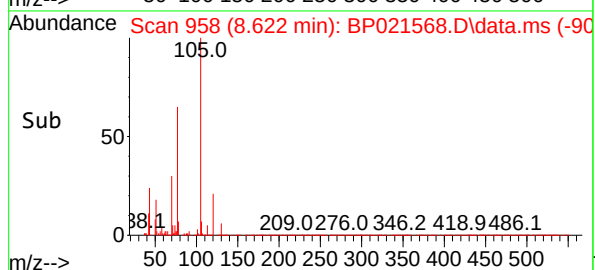


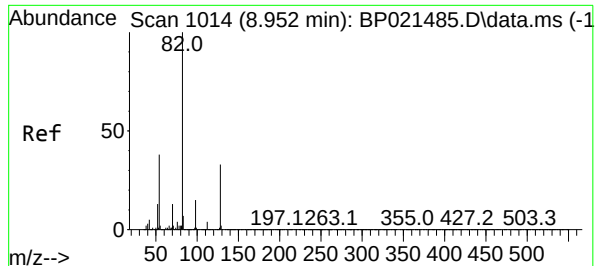
#22  
Acetophenone  
Concen: 39.810 ng  
RT: 8.622 min Scan# 958  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31



Tgt Ion:105 Resp: 2535541

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 5.2   | 4.6   | 7.0   |
| 51  | 19.4  | 16.3  | 24.5  |
| 120 | 20.6  | 16.2  | 24.2  |





#23

Nitrobenzene-d5

Concen: 93.712 ng

RT: 8.957 min Scan# 1015

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion: 82 Resp: 376403

Ion Ratio Lower Upper

82 100

128 38.2 26.5 39.7

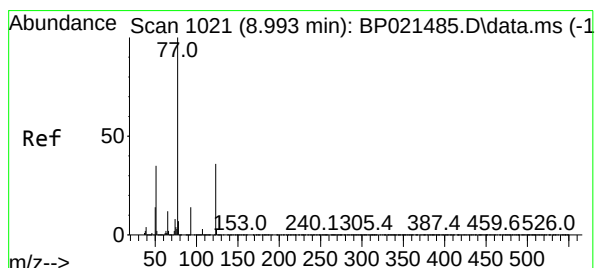
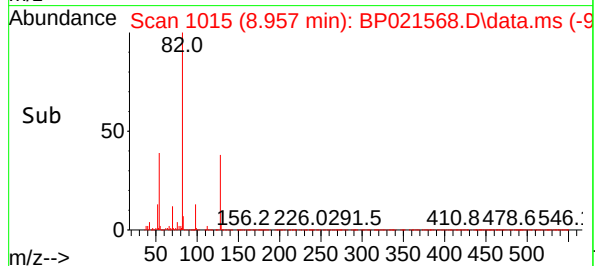
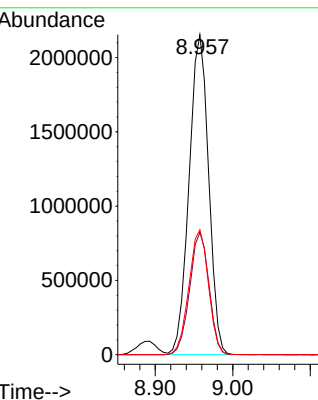
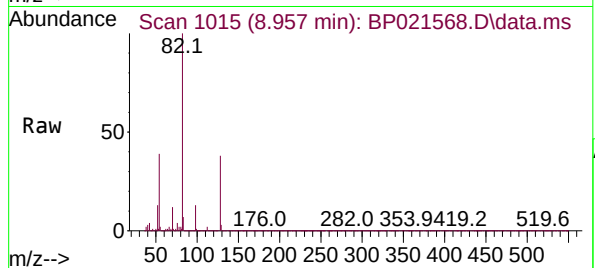
54 39.0 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#24

Nitrobenzene

Concen: 44.668 ng

RT: 8.999 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

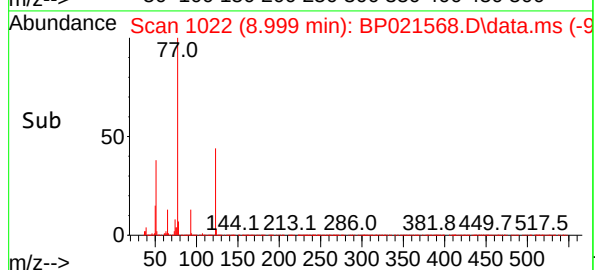
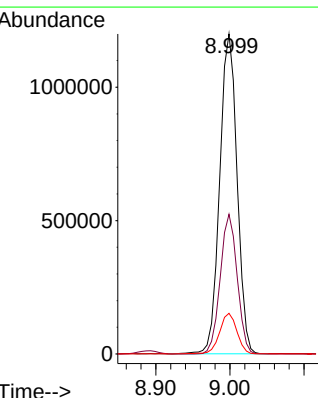
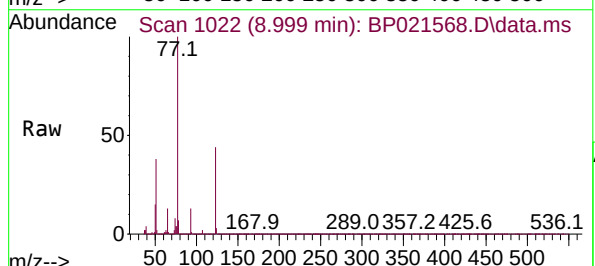
Tgt Ion: 77 Resp: 1948611

Ion Ratio Lower Upper

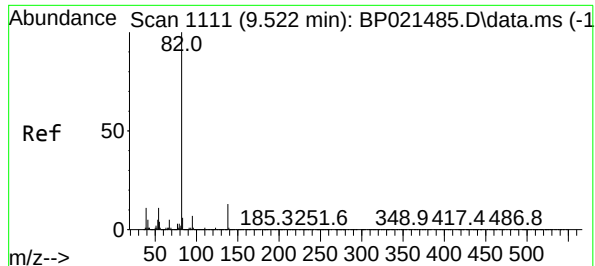
77 100

123 43.7 29.5 44.3

65 12.7 9.9 14.9







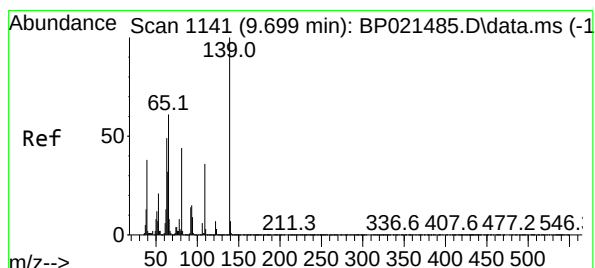
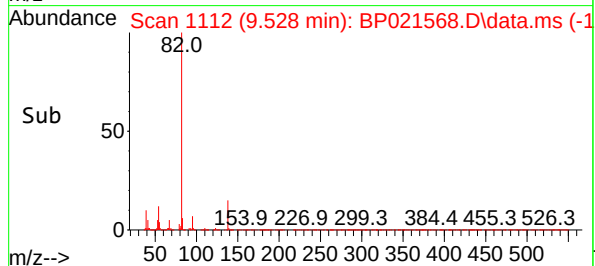
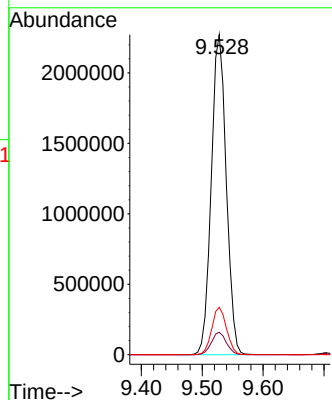
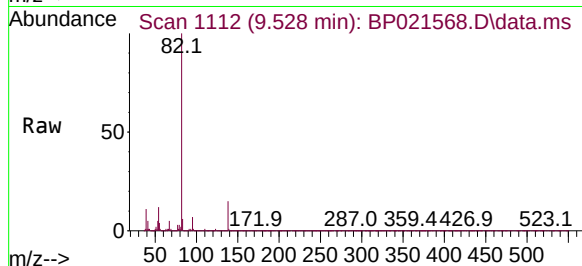
#25  
Isophorone  
Concen: 40.856 ng  
RT: 9.528 min Scan# 1111  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Tgt Ion: 82 Resp: 387678  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.4 8.2  
138 14.8 10.6 16.0

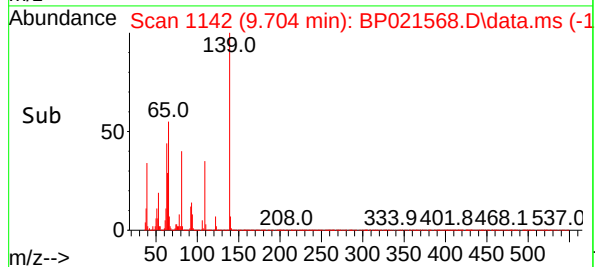
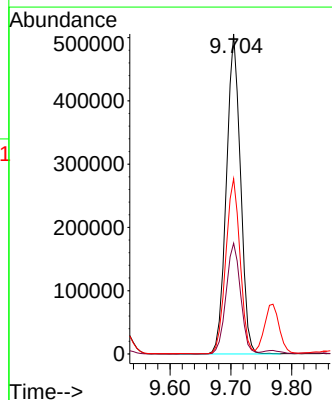
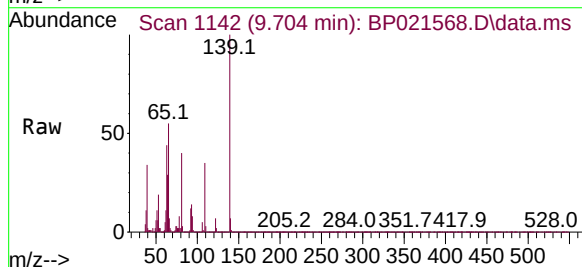
Manual Integrations  
APPROVED

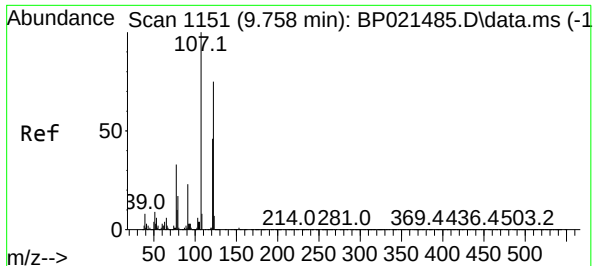
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#26  
2-Nitrophenol  
Concen: 63.198 ng  
RT: 9.704 min Scan# 1142  
Delta R.T. 0.005 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:139 Resp: 810333  
Ion Ratio Lower Upper  
139 100  
109 34.6 28.9 43.3  
65 54.7 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 53.822 ng

RT: 9.769 min Scan# 1151

Delta R.T. 0.012 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:122 Resp: 126039

Ion Ratio Lower Upper

122 100

107 128.3 106.2 159.4

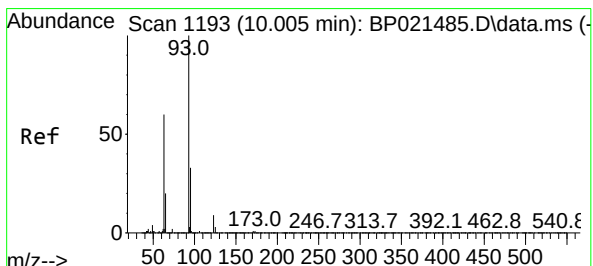
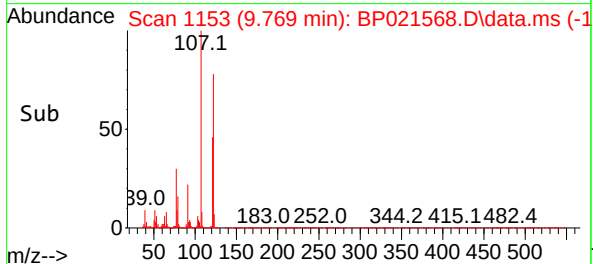
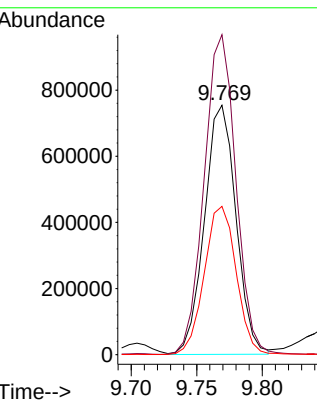
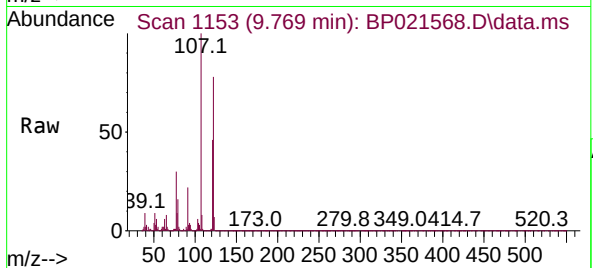
121 59.5 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#28

bis(2-Chloroethoxy)methane

Concen: 42.148 ng

RT: 10.004 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

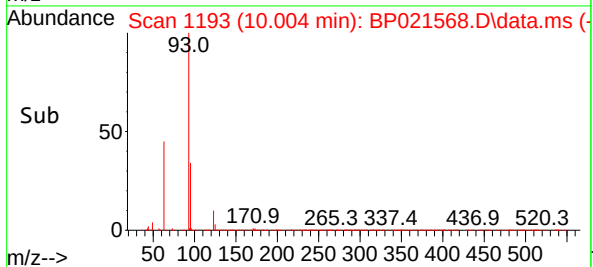
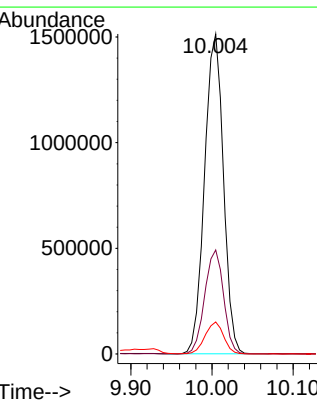
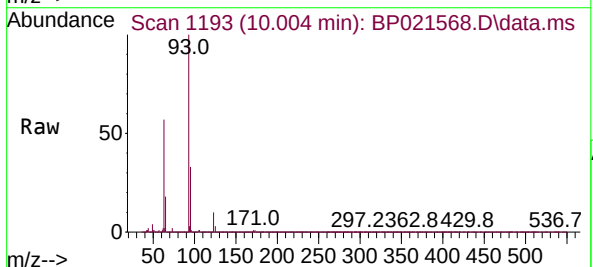
Tgt Ion: 93 Resp: 2441309

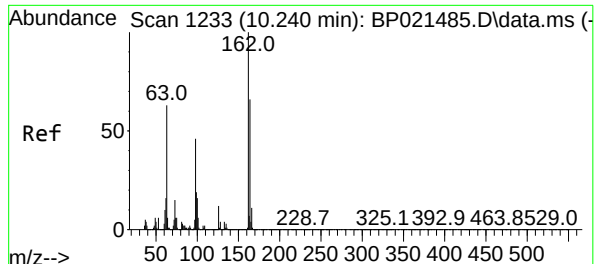
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 10.0 7.6 11.4





#29  
2,4-Dichlorophenol  
Concen: 56.031 ng  
RT: 10.240 min Scan# 1233  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

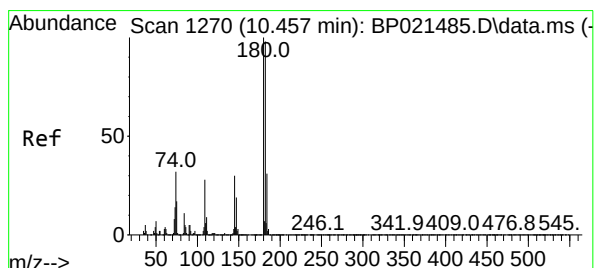
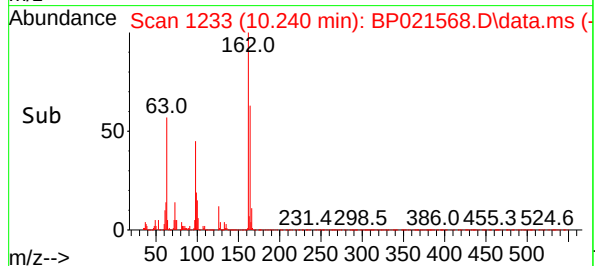
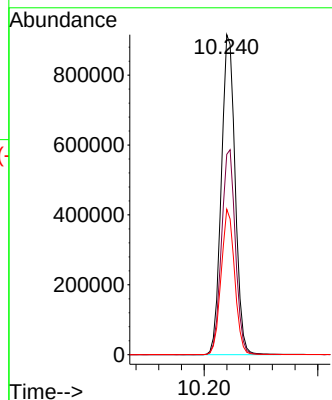
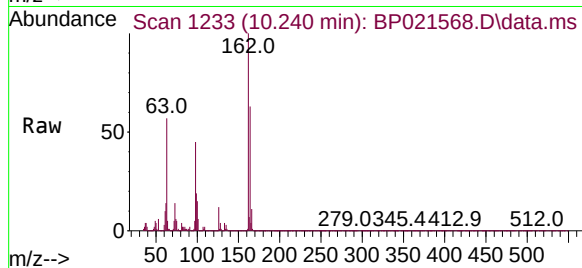
ClientSampleId :

PB162822BS

Tgt Ion:162 Resp: 1550319  
Ion Ratio Lower Upper  
162 100  
164 62.6 45.9 85.9  
98 45.5 26.3 66.3

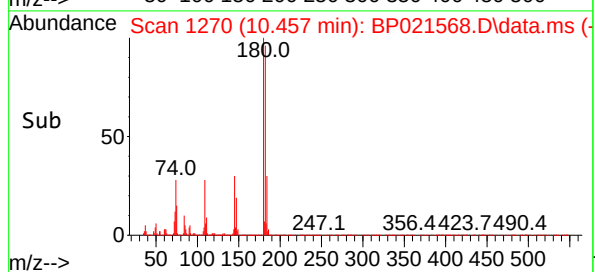
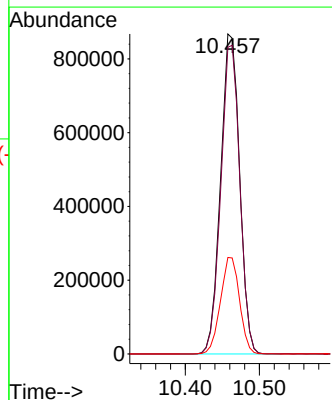
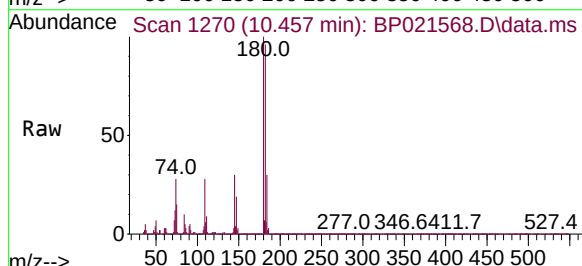
Manual Integrations  
APPROVED

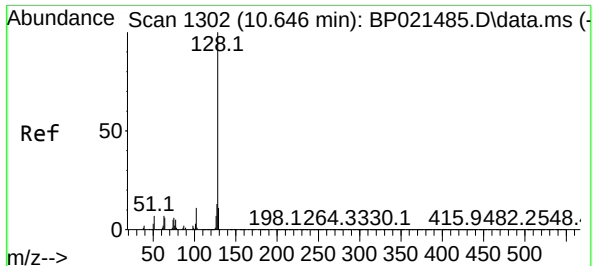
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 43.572 ng  
RT: 10.457 min Scan# 1270  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

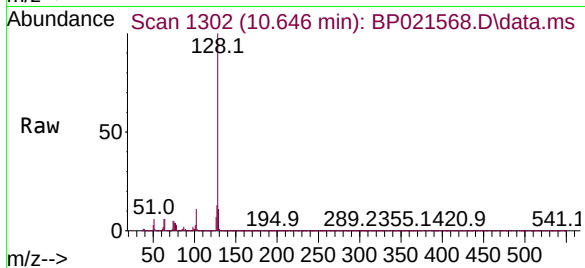
Tgt Ion:180 Resp: 1545646  
Ion Ratio Lower Upper  
180 100  
182 95.8 78.3 117.5  
145 30.2 24.0 36.0





#31  
Naphthalene  
Concen: 43.861 ng  
RT: 10.646 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

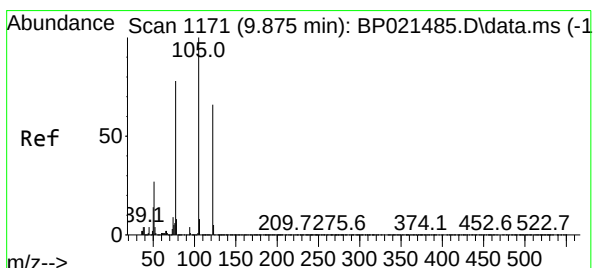
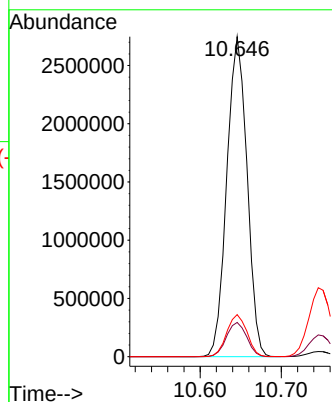
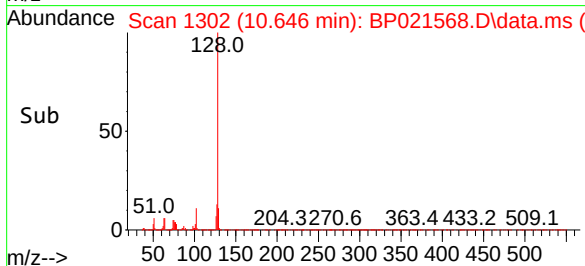
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:128 Resp: 4750290  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 13.2 10.6 15.8

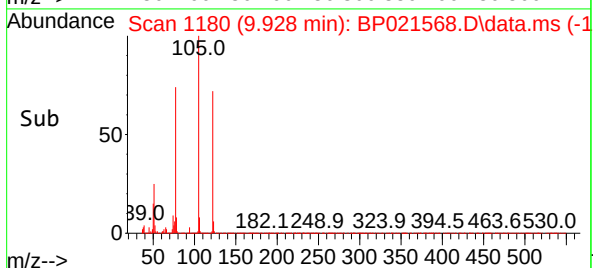
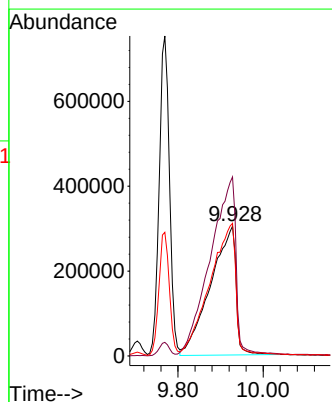
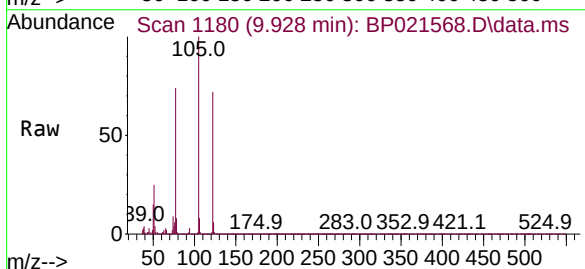
Manual Integrations  
APPROVED

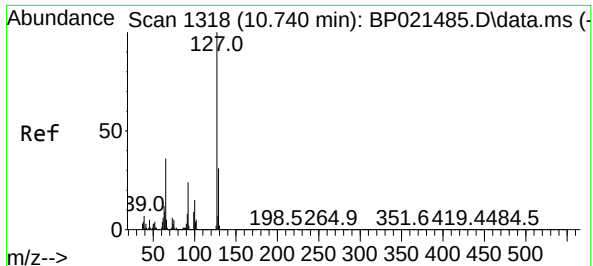
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#32  
Benzoic acid  
Concen: 69.217 ng  
RT: 9.928 min Scan# 1180  
Delta R.T. 0.053 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

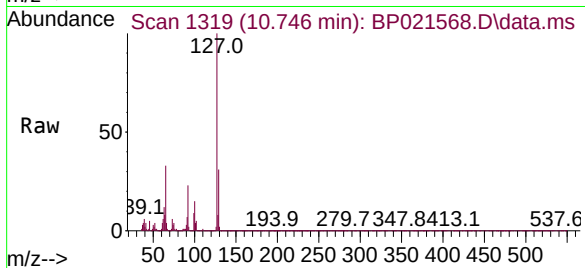
Tgt Ion:122 Resp: 1255905  
Ion Ratio Lower Upper  
122 100  
105 138.0 124.6 164.6  
77 102.2 96.2 136.2





#33  
4-Chloroaniline  
Concen: 28.216 ng  
RT: 10.746 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

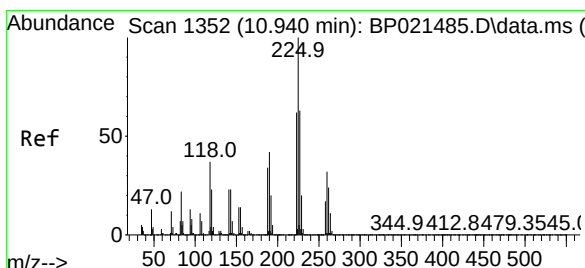
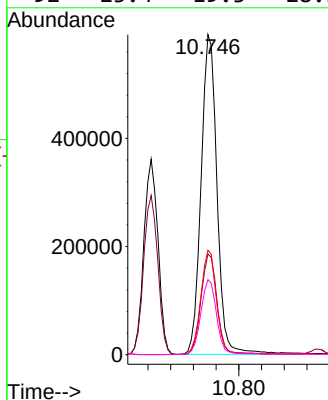
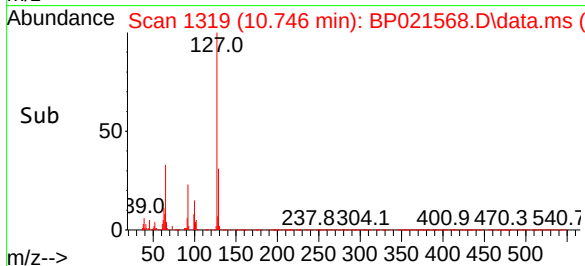
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:127 Resp: 114790  
Ion Ratio Lower Upper  
127 100  
129 31.5 24.5 36.7  
65 32.7 28.9 43.3  
92 23.4 19.3 28.9

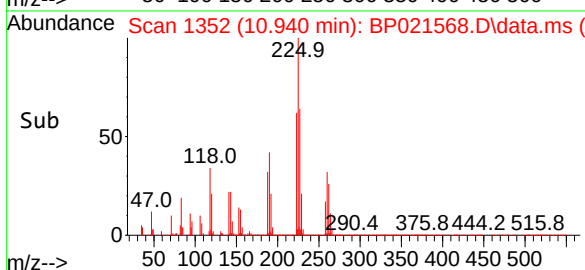
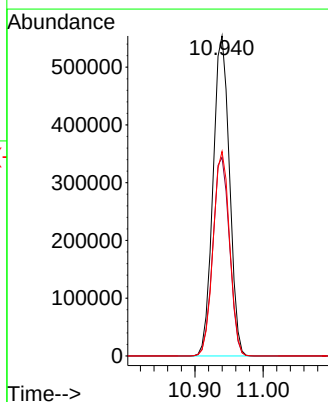
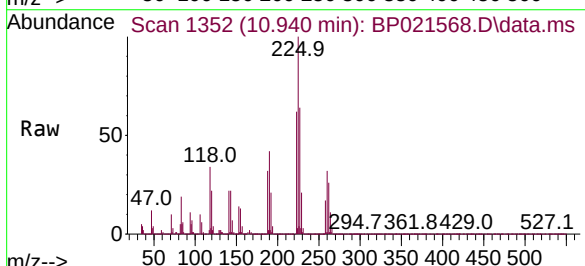
Manual Integrations  
APPROVED

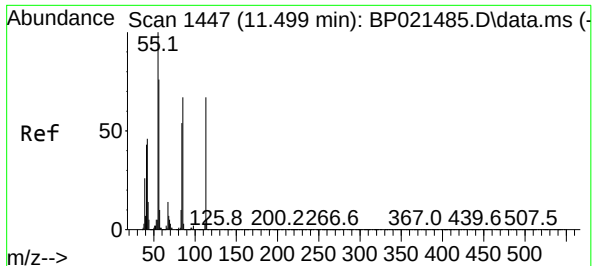
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#34  
Hexachlorobutadiene  
Concen: 41.546 ng  
RT: 10.940 min Scan# 1352  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

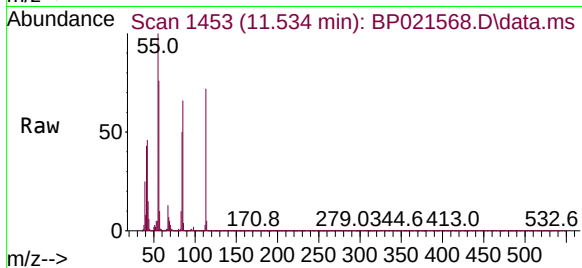
Tgt Ion:225 Resp: 927946  
Ion Ratio Lower Upper  
225 100  
223 62.1 49.6 74.4  
227 63.9 50.1 75.1





#35  
Caprolactam  
Concen: 51.386 ng m  
RT: 11.534 min Scan# 1447  
Delta R.T. 0.035 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

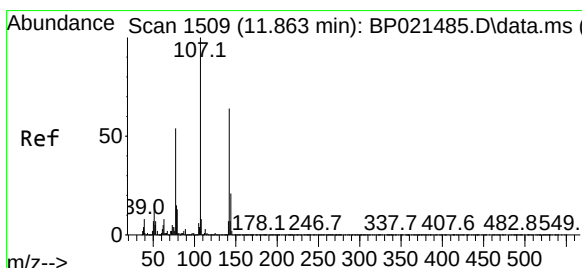
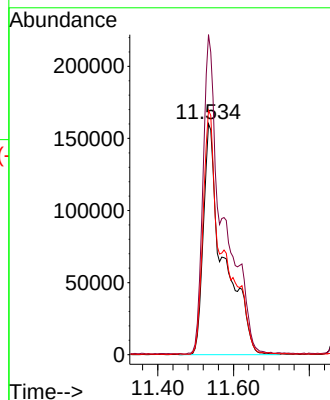
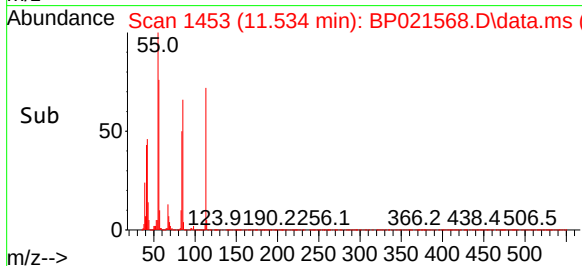
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



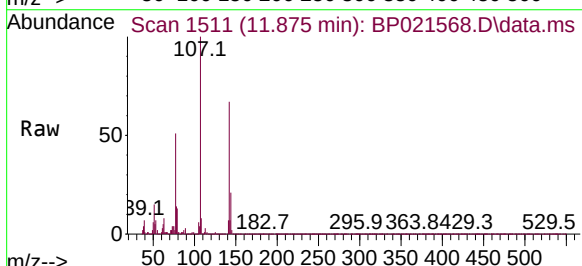
Tgt Ion:113 Resp: 591792  
Ion Ratio Lower Upper  
113 100  
55 138.6 130.6 170.6  
56 105.8 94.6 134.6

Manual Integrations  
APPROVED

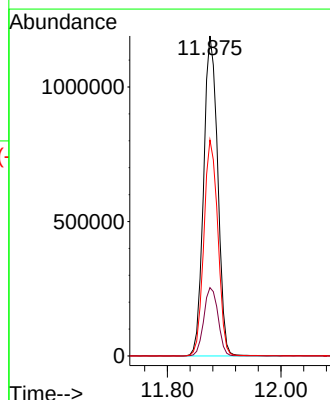
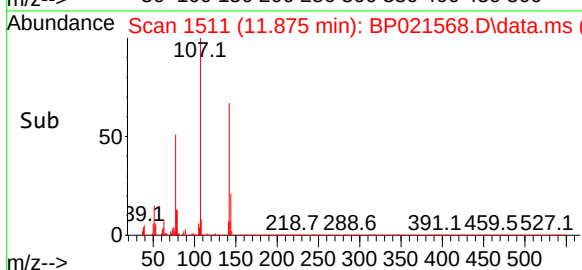
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

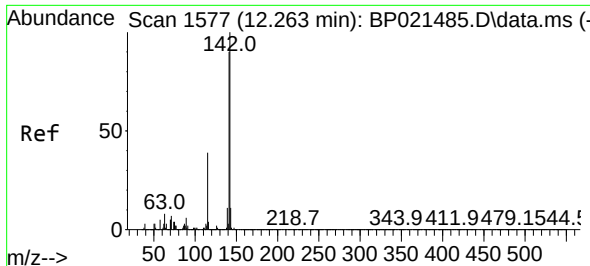


#36  
4-Chloro-3-methylphenol  
Concen: 53.276 ng  
RT: 11.875 min Scan# 1511  
Delta R.T. 0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31



Tgt Ion:107 Resp: 2044802  
Ion Ratio Lower Upper  
107 100  
144 21.4 16.6 24.8  
142 67.5 51.0 76.4





#37  
2-Methylnaphthalene  
Concen: 44.806 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

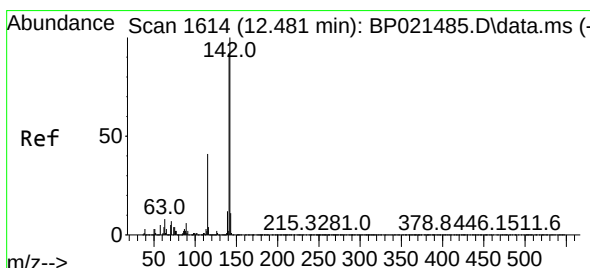
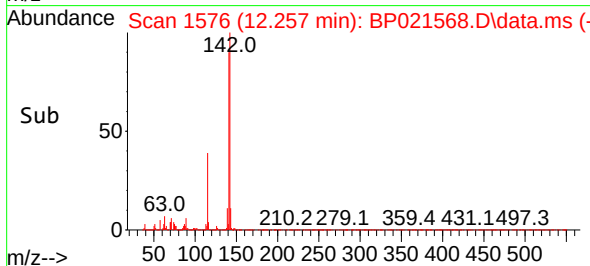
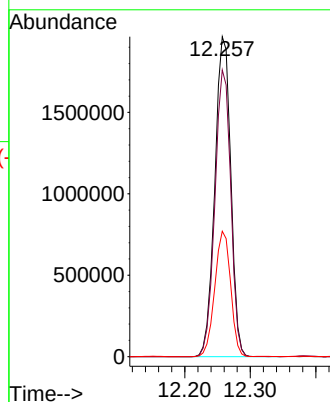
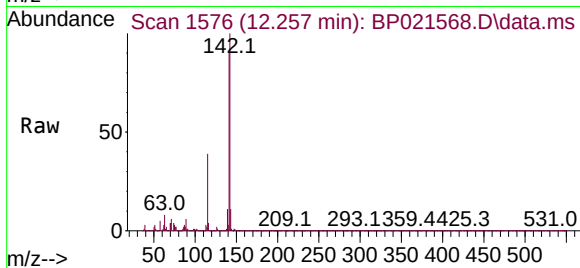
ClientSampleId :

PB162822BS

Tgt Ion:142 Resp: 331187  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.7 107.5  
115 39.2 31.4 47.2

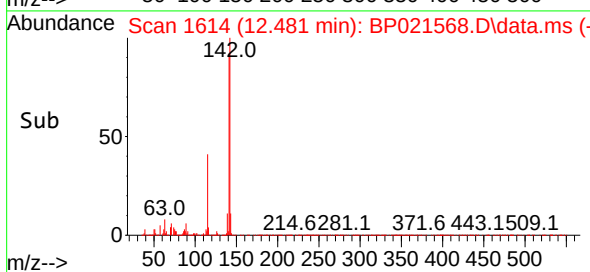
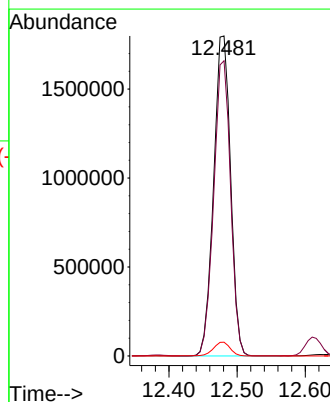
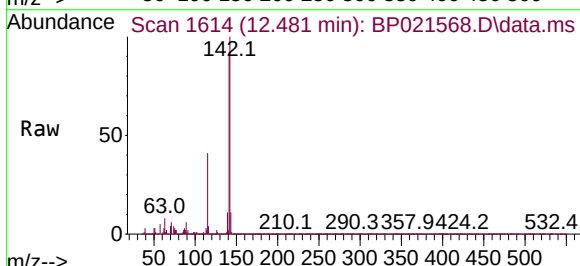
Manual Integrations  
APPROVED

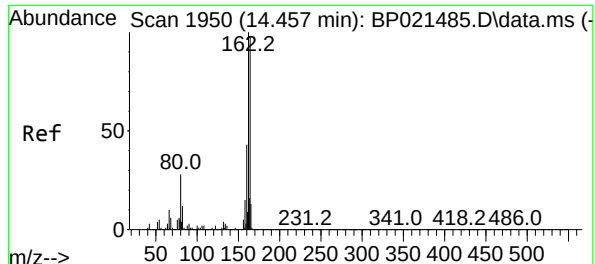
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#38  
1-Methylnaphthalene  
Concen: 42.651 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:142 Resp: 3109322  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.5 110.3  
116 4.3 3.4 5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.451 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:164 Resp: 1389370

Ion Ratio Lower Upper

164 100

162 99.6 81.5 122.3

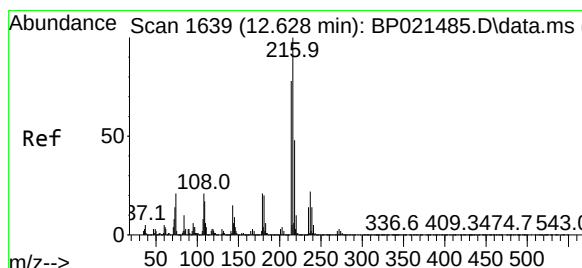
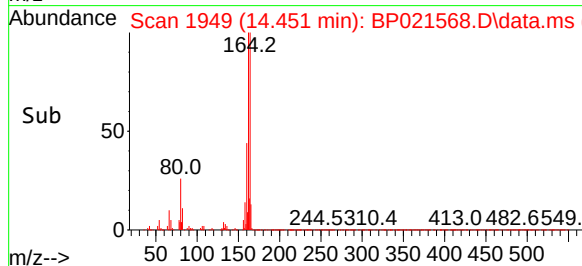
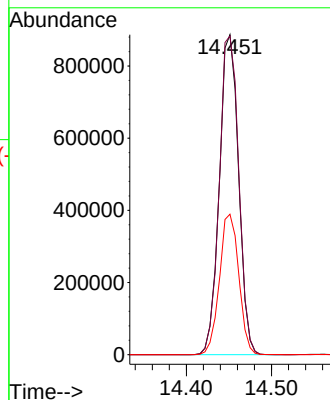
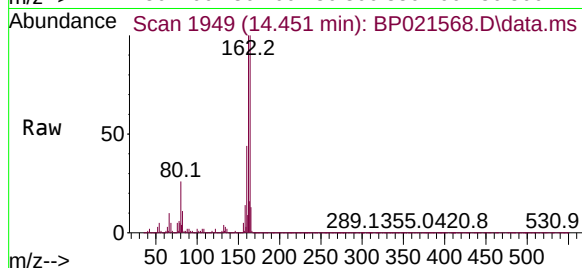
160 43.9 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.778 ng

RT: 12.634 min Scan# 1640

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Tgt Ion:216 Resp: 1660023

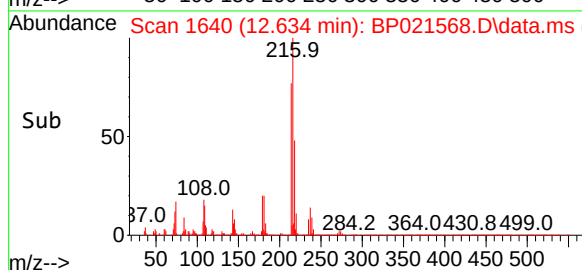
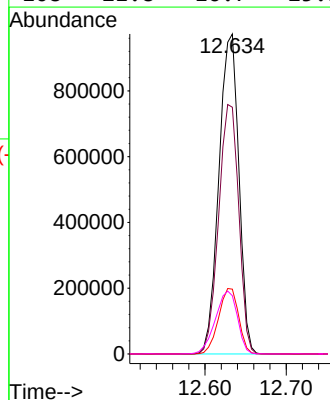
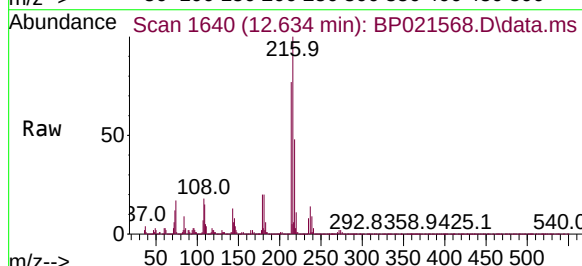
Ion Ratio Lower Upper

216 100

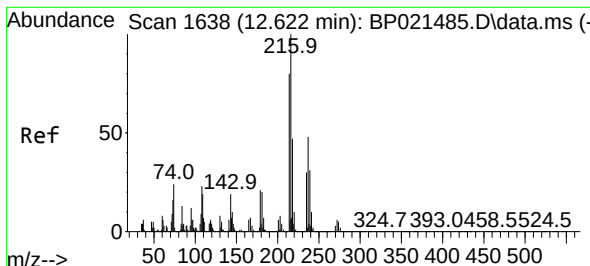
214 78.6 62.5 93.7

179 20.6 16.4 24.6

108 21.8 16.7 25.1







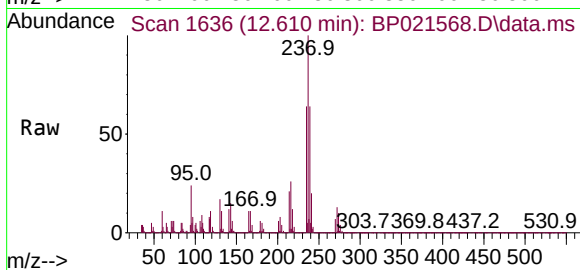
#41  
Hexachlorocyclopentadiene  
Concen: 116.470 ng  
RT: 12.610 min Scan# 1636  
Delta R.T. -0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

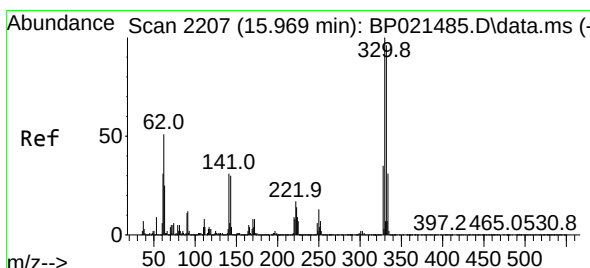
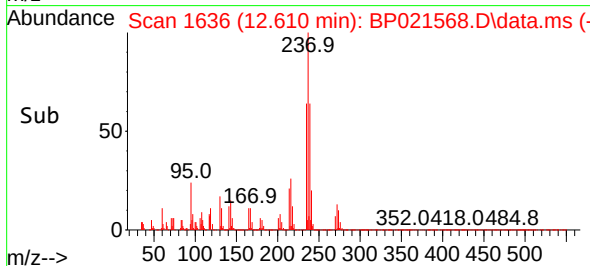
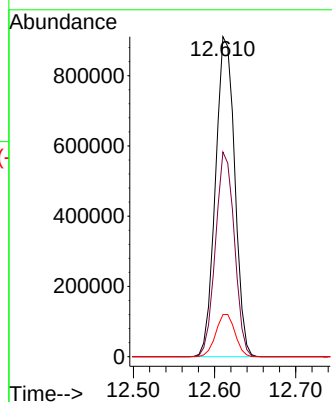


Tgt Ion:237 Resp: 150272

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.9  | 43.9  | 83.9  |
| 272 | 13.2  | 0.0   | 33.3  |

Manual Integrations  
APPROVED

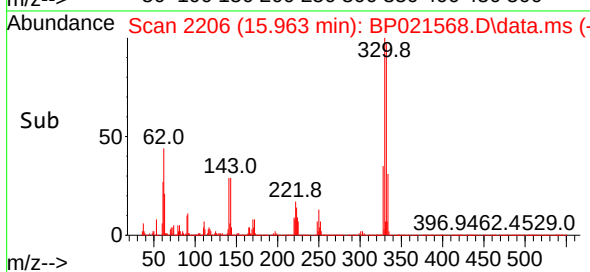
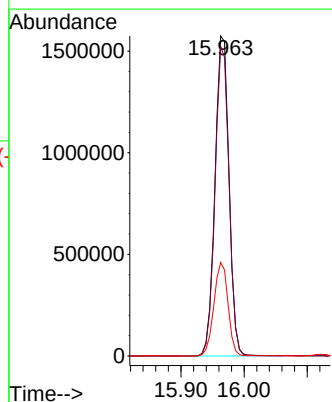
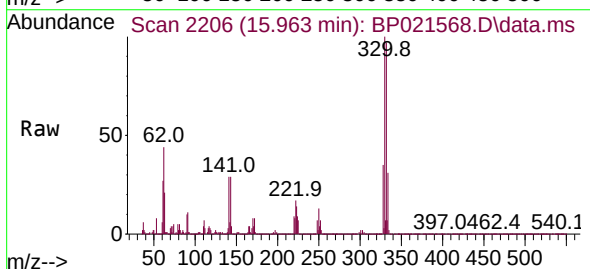
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

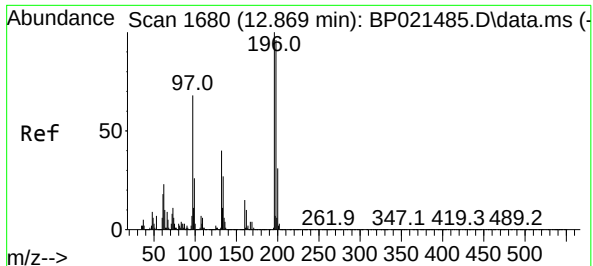


#42  
2,4,6-Tribromophenol  
Concen: 157.161 ng  
RT: 15.963 min Scan# 2206  
Delta R.T. -0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:330 Resp: 2430215

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.1  | 77.4  | 116.0 |
| 141 | 29.4  | 24.5  | 36.7  |





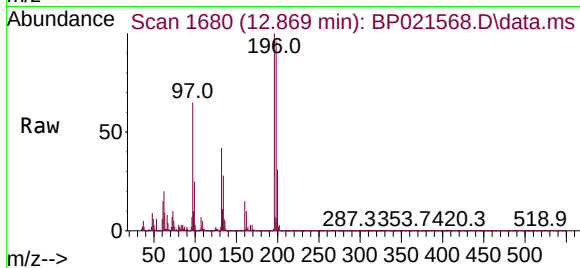
#43  
2,4,6-Trichlorophenol  
Concen: 57.099 ng  
RT: 12.869 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

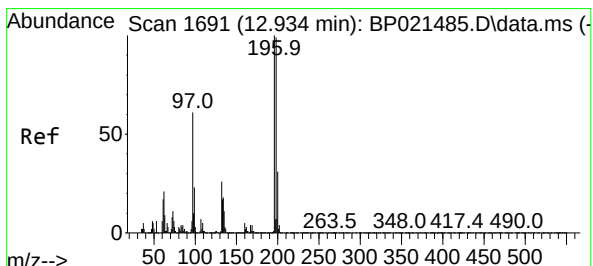
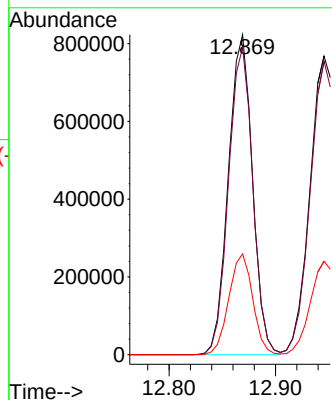
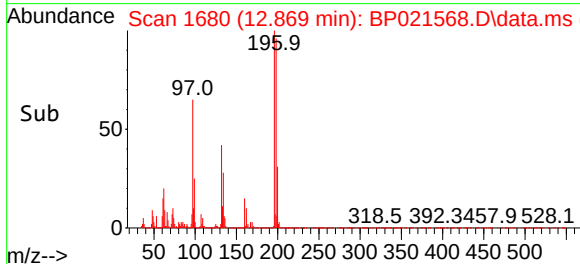
PB162822BS



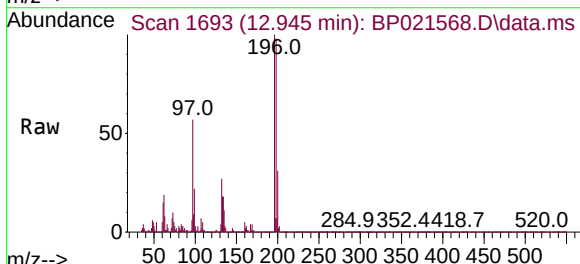
Tgt Ion:196 Resp: 1291184  
Ion Ratio Lower Upper  
196 100  
198 96.1 76.6 114.8  
200 31.5 24.5 36.7

Manual Integrations  
APPROVED

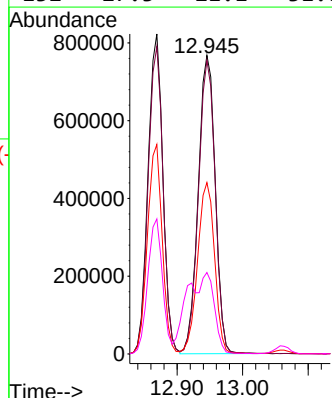
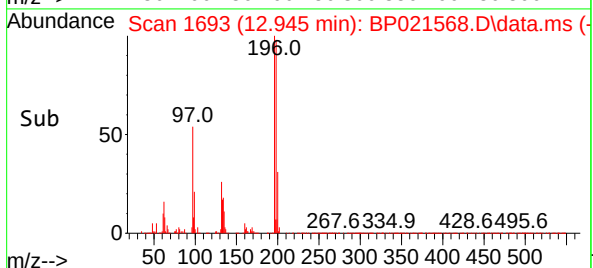
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

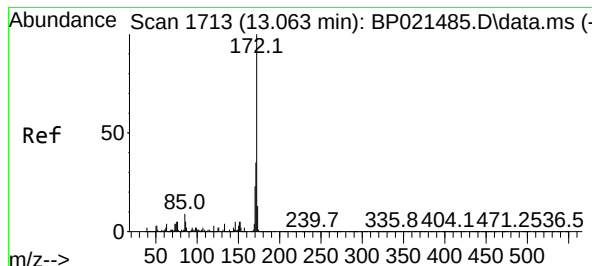


#44  
2,4,5-Trichlorophenol  
Concen: 55.286 ng  
RT: 12.945 min Scan# 1693  
Delta R.T. 0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31



Tgt Ion:196 Resp: 1389021  
Ion Ratio Lower Upper  
196 100  
198 98.3 78.9 118.3  
97 57.4 49.4 74.0  
132 27.3 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 79.575 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:172 Resp: 724430

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

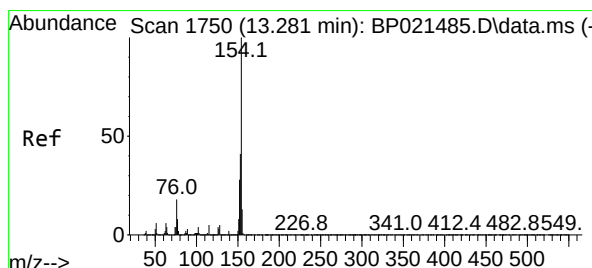
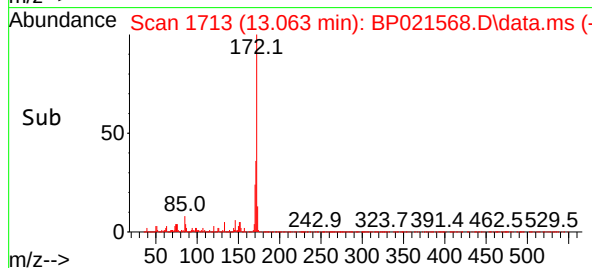
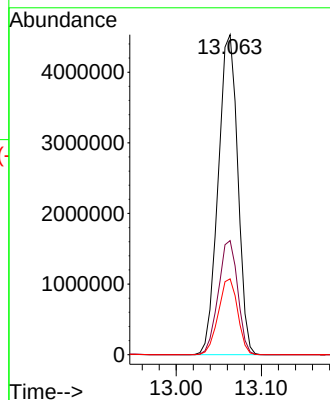
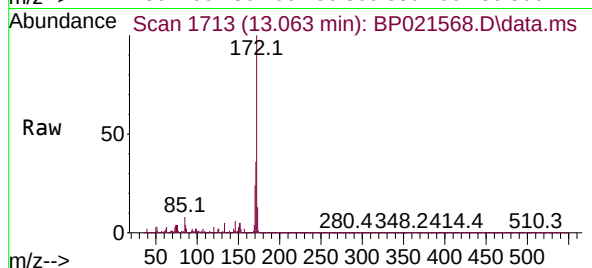
170 23.7 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#46

1,1'-Biphenyl

Concen: 40.658 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

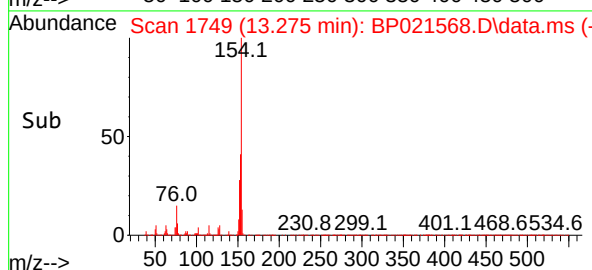
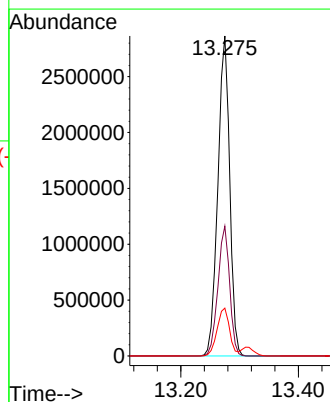
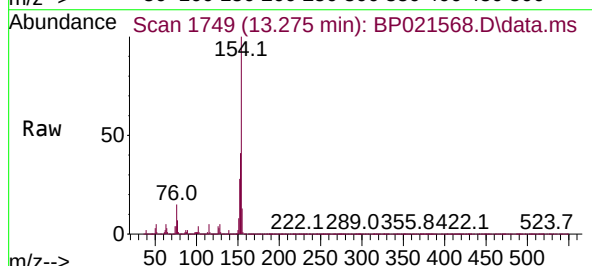
Tgt Ion:154 Resp: 3996688

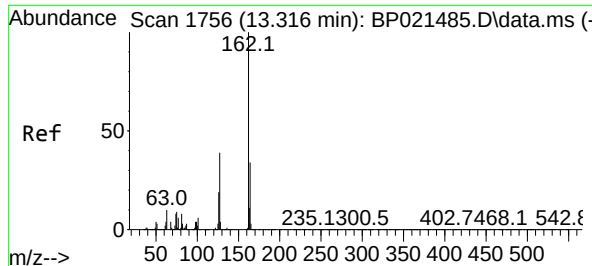
Ion Ratio Lower Upper

154 100

153 40.5 20.7 60.7

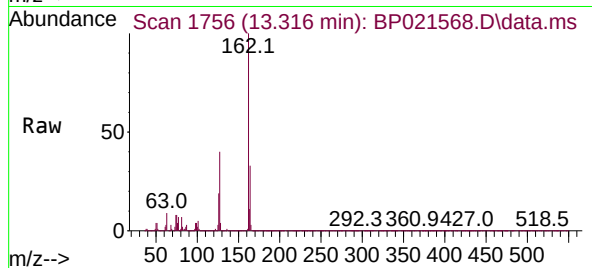
76 15.0 0.0 37.7





#47  
2-Chloronaphthalene  
Concen: 43.922 ng  
RT: 13.316 min Scan# 1756  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

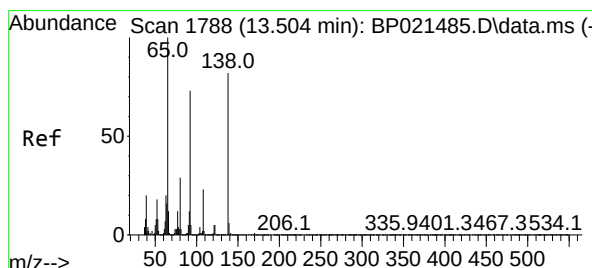
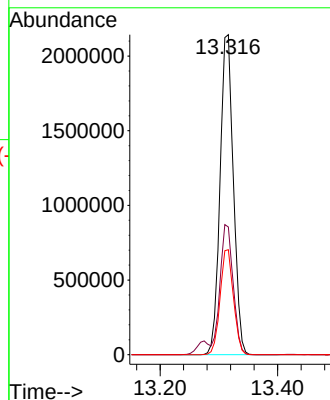
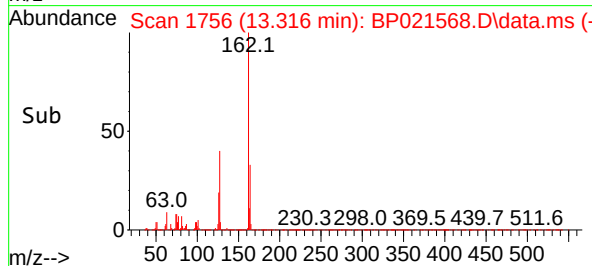
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



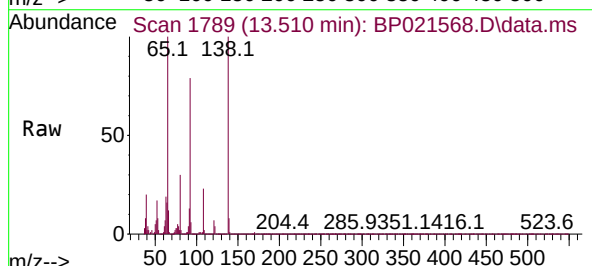
Tgt Ion: 162 Resp: 336137  
Ion Ratio Lower Upper  
162 100  
127 39.9 31.9 47.9  
164 32.8 26.8 40.2

Manual Integrations  
APPROVED

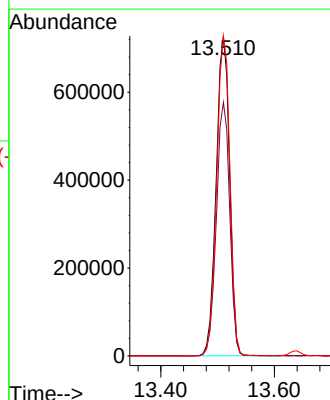
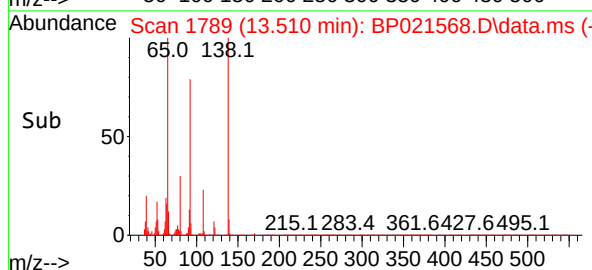
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

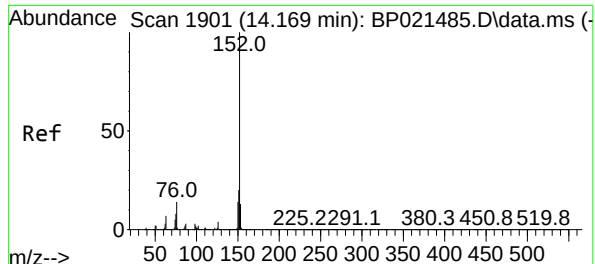


#48  
2-Nitroaniline  
Concen: 54.598 ng  
RT: 13.510 min Scan# 1789  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31



Tgt Ion: 65 Resp: 1188075  
Ion Ratio Lower Upper  
65 100  
92 79.3 58.1 87.1  
138 100.0 65.5 98.3





#49

Acenaphthylene

Concen: 48.890 ng

RT: 14.169 min Scan# 1901

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:152 Resp: 550022

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

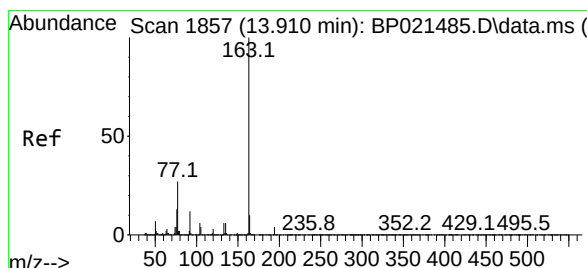
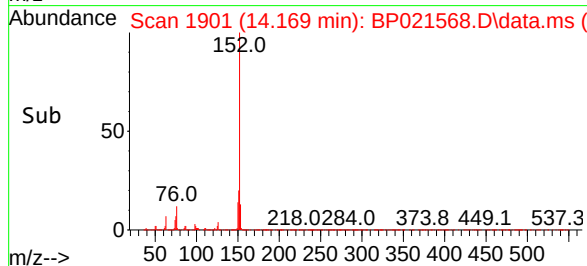
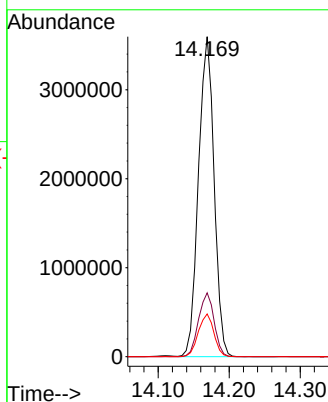
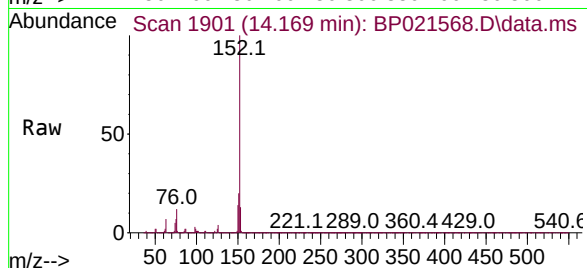
153 13.3 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#50

Dimethylphthalate

Concen: 47.945 ng

RT: 13.904 min Scan# 1856

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

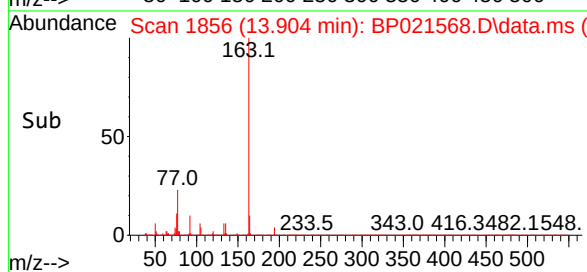
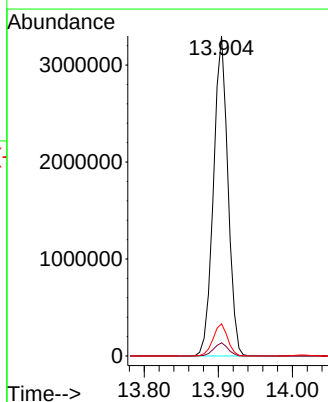
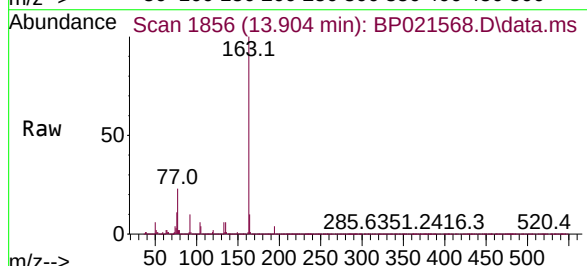
Tgt Ion:163 Resp: 4461019

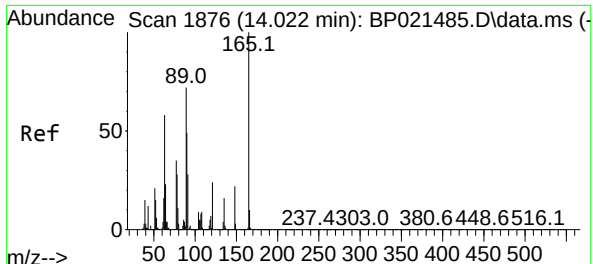
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.0 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 52.003 ng  
RT: 14.010 min Scan# 1876  
Delta R.T. -0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

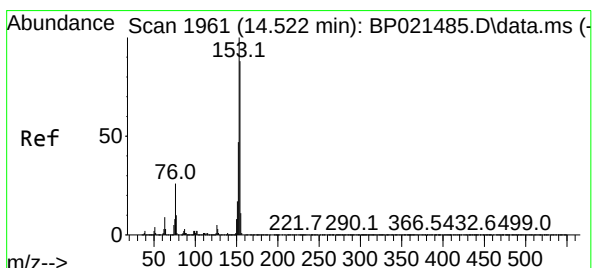
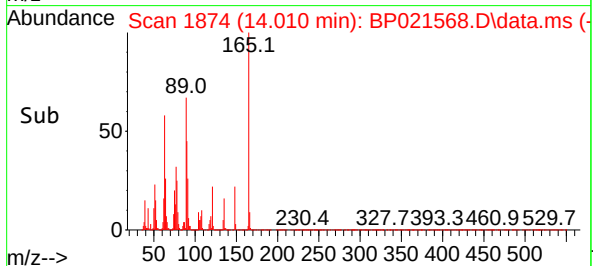
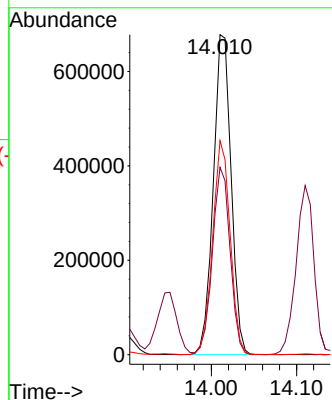
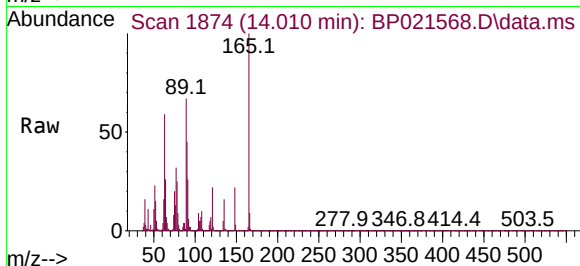
ClientSampleId :

PB162822BS

Tgt Ion:165 Resp: 982980  
Ion Ratio Lower Upper  
165 100  
63 58.6 51.5 77.3  
89 66.9 57.8 86.8

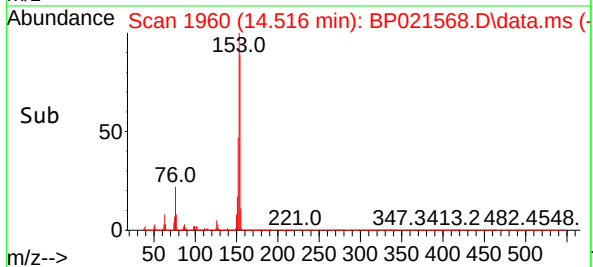
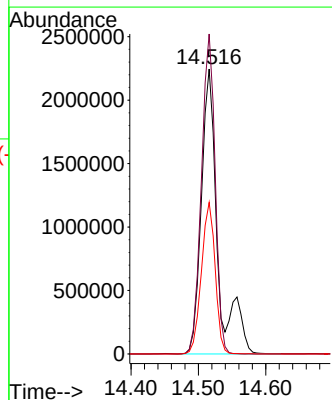
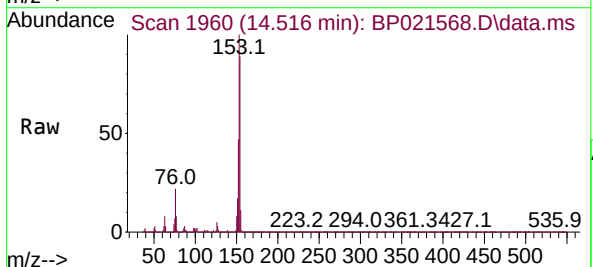
Manual Integrations  
APPROVED

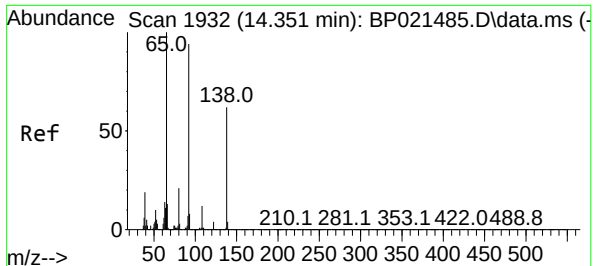
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#52  
Acenaphthene  
Concen: 51.606 ng m  
RT: 14.516 min Scan# 1960  
Delta R.T. -0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:154 Resp: 3809412  
Ion Ratio Lower Upper  
154 100  
153 112.3 91.1 136.7  
152 53.2 43.0 64.4





#53  
3-Nitroaniline  
Concen: 43.541 ng  
RT: 14.345 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

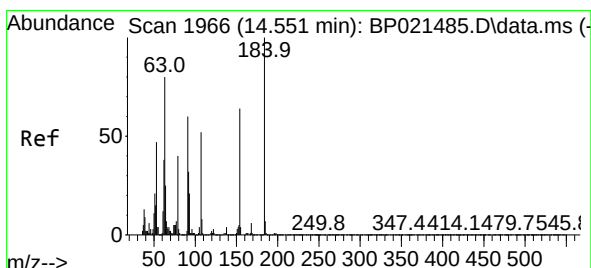
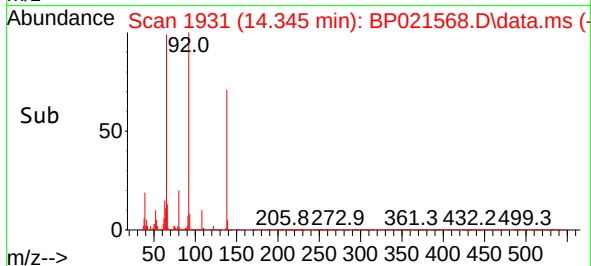
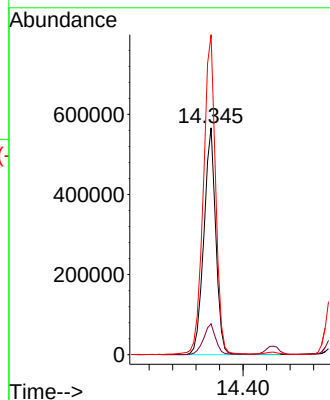
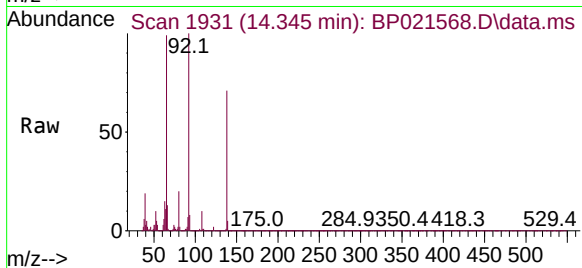
ClientSampleId :

PB162822BS

Tgt Ion:138 Resp: 796079  
Ion Ratio Lower Upper  
138 100  
108 13.6 16.2 24.4  
92 141.1 122.2 183.4

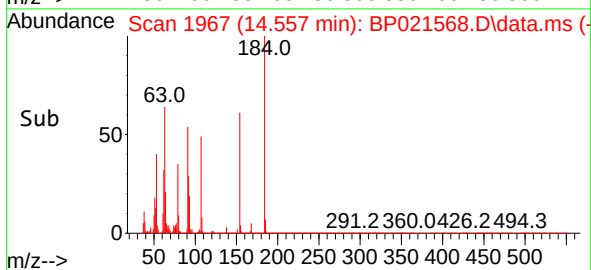
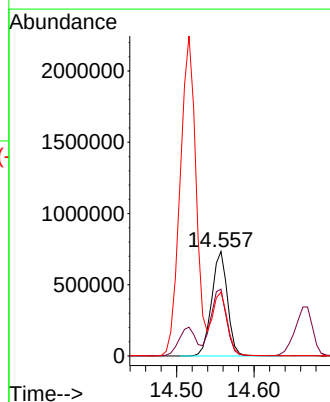
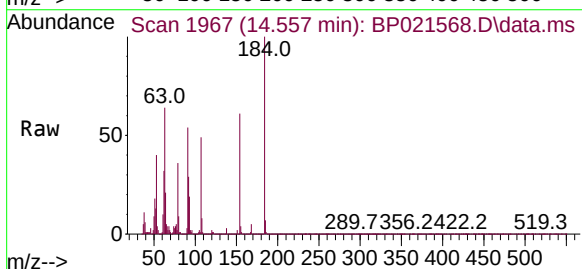
Manual Integrations  
APPROVED

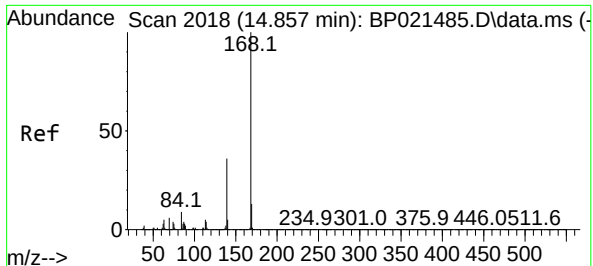
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#54  
2,4-Dinitrophenol  
Concen: 123.071 ng  
RT: 14.557 min Scan# 1967  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

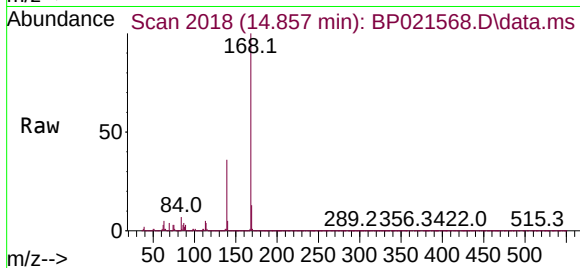
Tgt Ion:184 Resp: 1036408  
Ion Ratio Lower Upper  
184 100  
63 63.8 64.9 97.3  
154 61.2 52.1 78.1





#55  
Dibenzenofuran  
Concen: 45.731 ng  
RT: 14.857 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

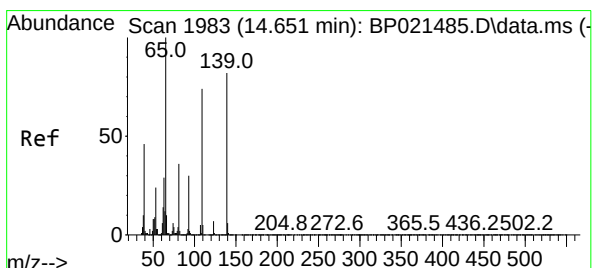
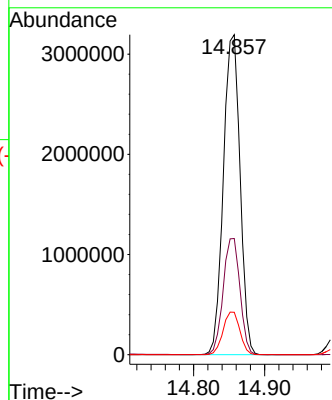
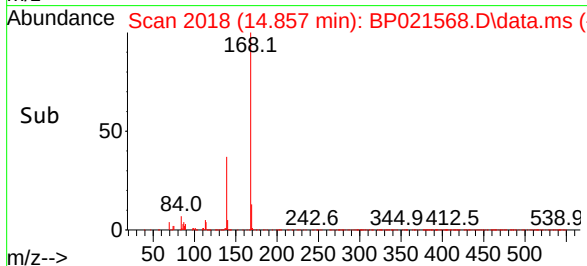
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:168 Resp: 5192990  
Ion Ratio Lower Upper  
168 100  
139 36.3 28.6 43.0  
169 13.2 10.6 16.0

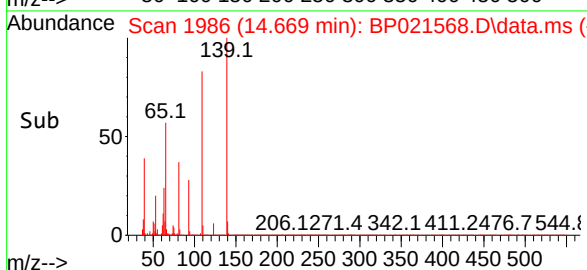
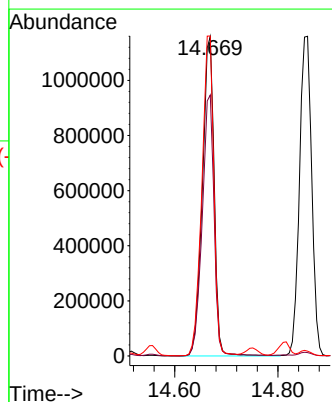
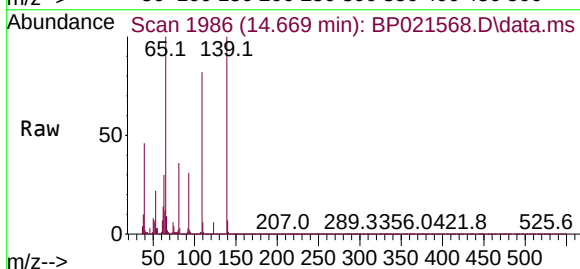
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

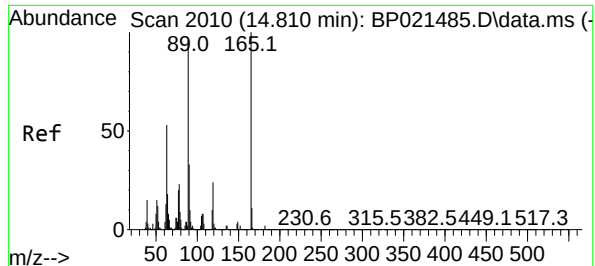


#56  
4-Nitrophenol  
Concen: 116.168 ng  
RT: 14.669 min Scan# 1986  
Delta R.T. 0.018 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:139 Resp: 1830474  
Ion Ratio Lower Upper  
139 100  
109 81.7 70.2 110.2  
65 100.2 101.8 141.8#







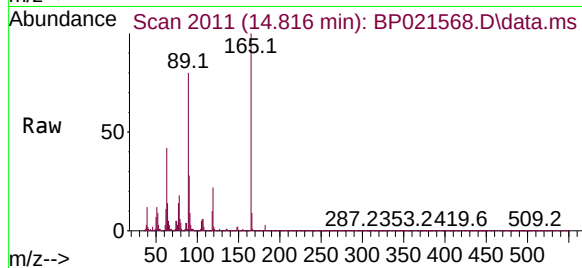
#57  
2,4-Dinitrotoluene  
Concen: 58.078 ng  
RT: 14.816 min Scan# 2010  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

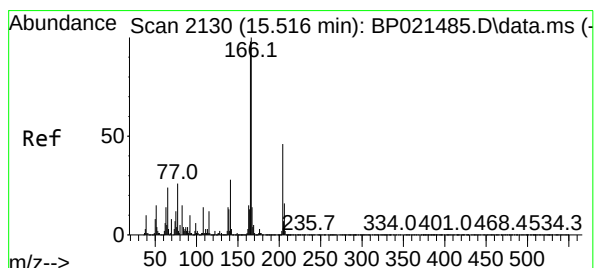
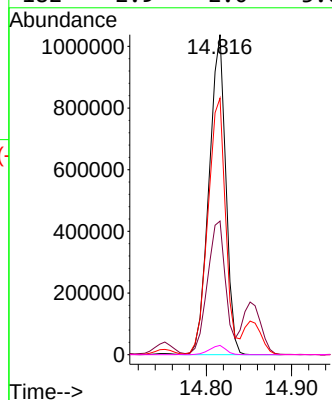
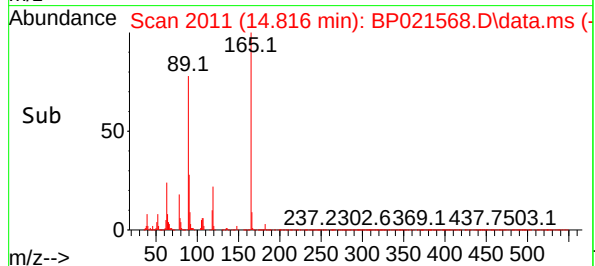
PB162822BS



Tgt Ion:165 Resp: 1414718  
Ion Ratio Lower Upper  
165 100  
63 41.8 42.5 63.7  
89 80.1 77.1 115.7  
182 2.9 2.0 3.0

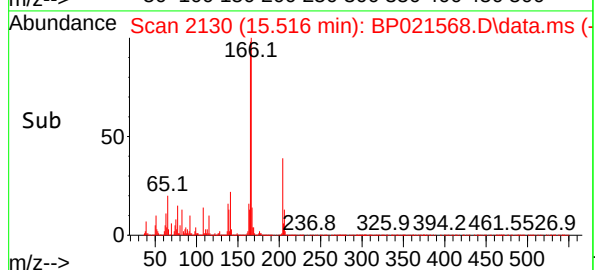
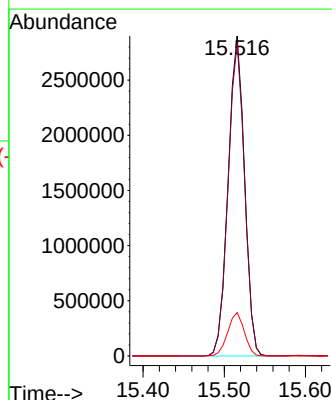
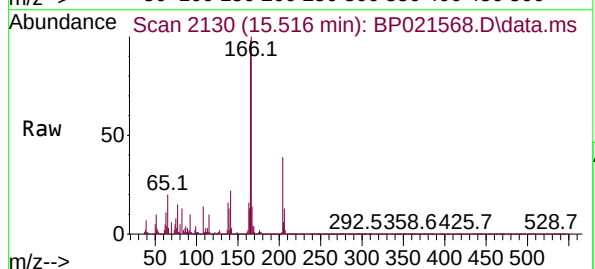
Manual Integrations  
APPROVED

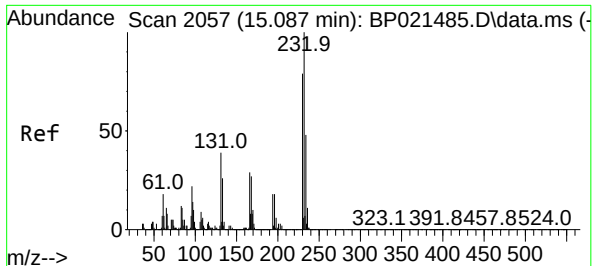
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#58  
Fluorene  
Concen: 43.711 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:166 Resp: 4077699  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.1 117.1  
167 13.6 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 59.406 ng  
RT: 15.087 min Scan# 2057  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

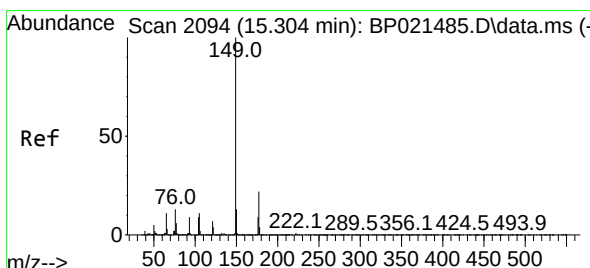
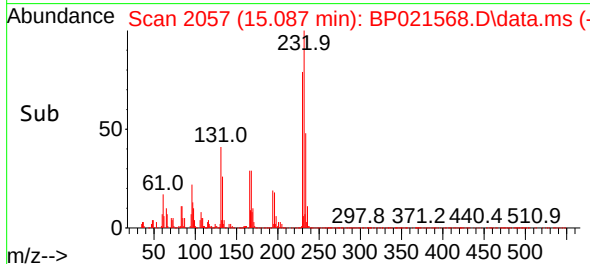
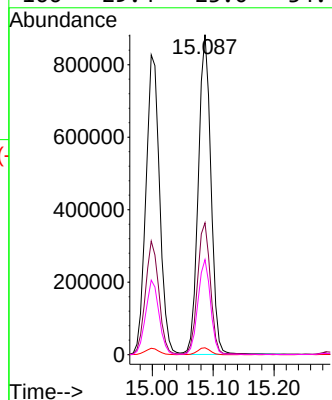
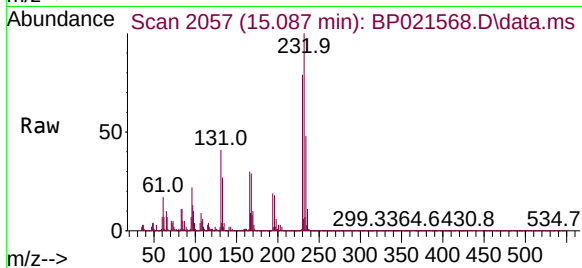
ClientSampleId :

PB162822BS

Tgt Ion:232 Resp: 126684  
Ion Ratio Lower Upper  
232 100  
131 42.1 33.1 49.7  
130 2.2 1.7 2.5  
166 29.4 23.0 34.4

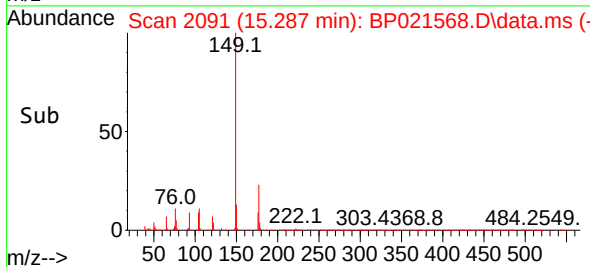
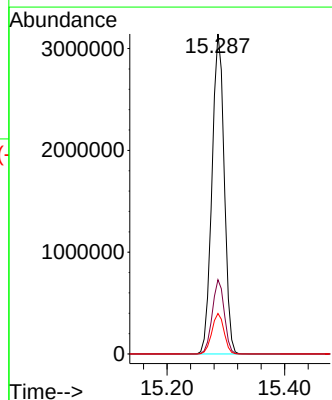
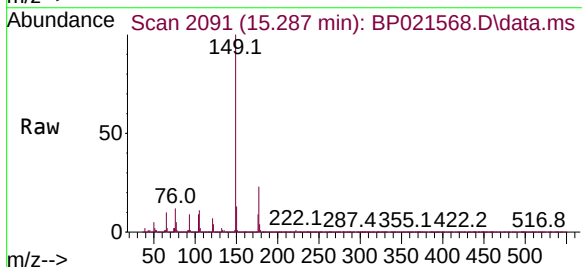
Manual Integrations  
APPROVED

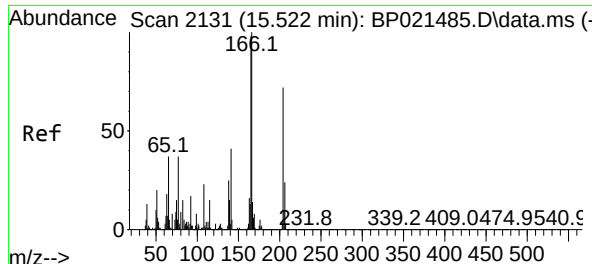
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#60  
Diethylphthalate  
Concen: 47.643 ng  
RT: 15.287 min Scan# 2091  
Delta R.T. -0.018 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

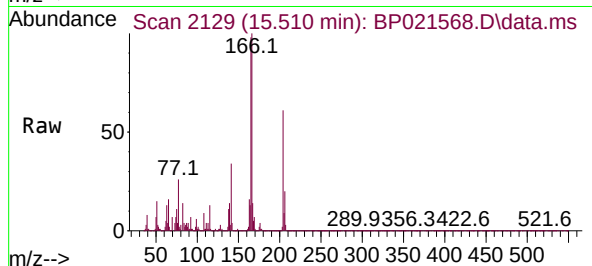
Tgt Ion:149 Resp: 4548361  
Ion Ratio Lower Upper  
149 100  
177 23.2 17.8 26.8  
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 43.232 ng  
RT: 15.510 min Scan# 2131  
Delta R.T. -0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

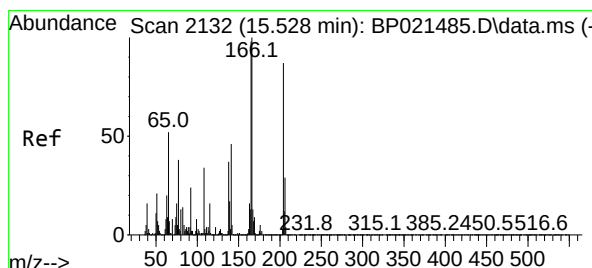
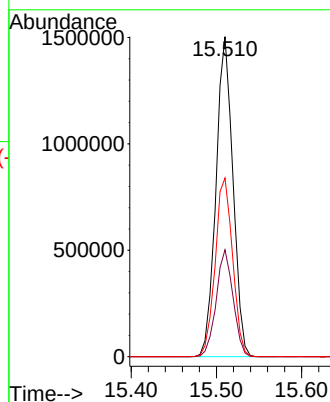
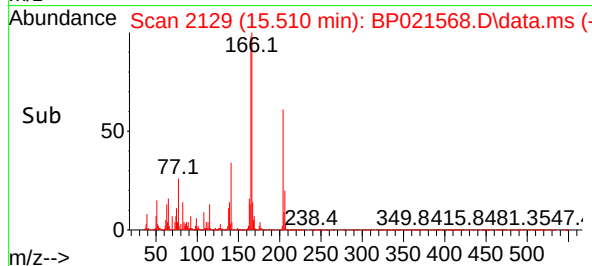
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:204 Resp: 208466  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.4 39.6  
141 55.9 46.1 69.1

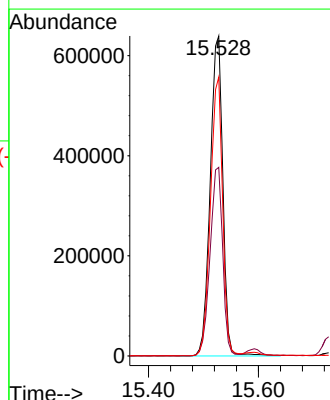
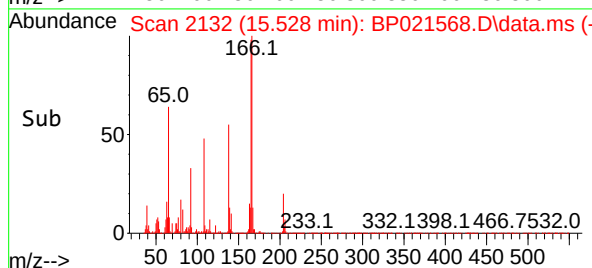
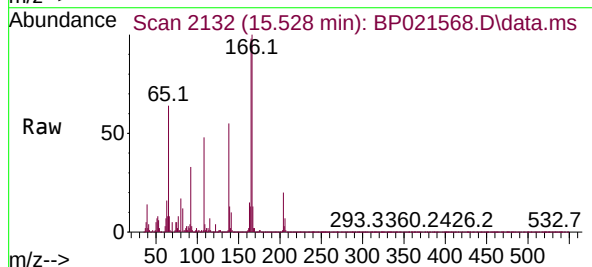
Manual Integrations  
APPROVED

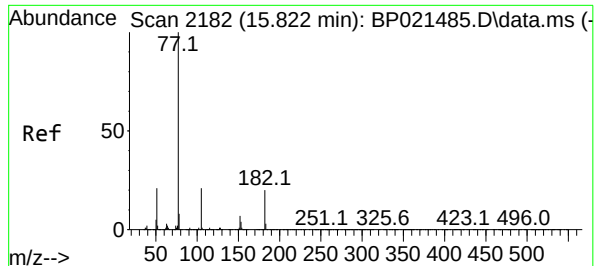
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#62  
4-Nitroaniline  
Concen: 53.376 ng  
RT: 15.528 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

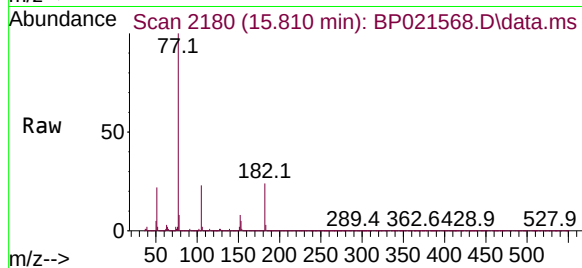
Tgt Ion:138 Resp: 1019125  
Ion Ratio Lower Upper  
138 100  
92 59.0 46.4 86.4  
108 87.2 73.2 113.2





#63  
Azobenzene  
Concen: 41.754 ng  
RT: 15.810 min Scan# 2182  
Delta R.T. -0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

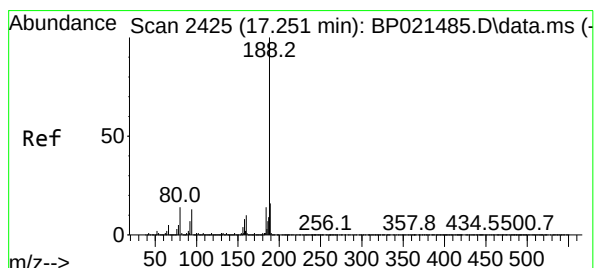
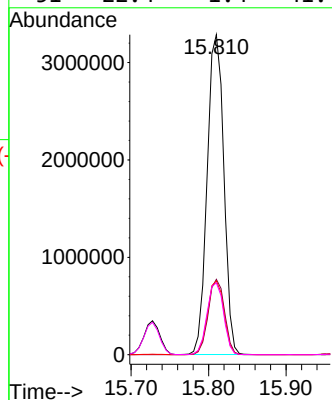
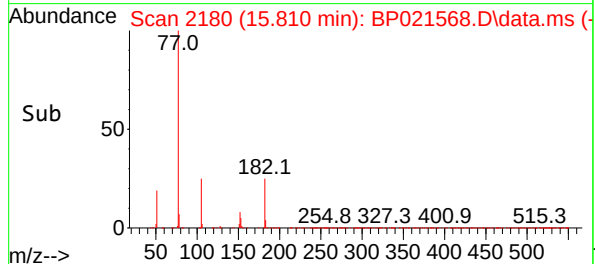
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



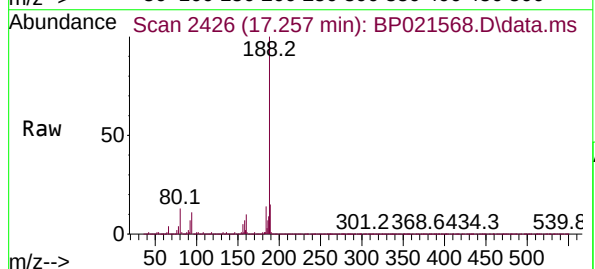
Tgt Ion: 77 Resp: 4900000  
Ion Ratio Lower Upper  
77 100  
182 23.6 0.0 39.9  
105 23.1 0.9 40.9  
51 22.4 1.4 41.4

Manual Integrations  
APPROVED

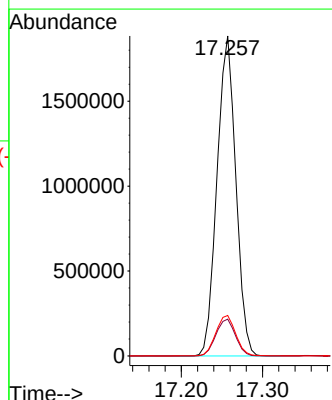
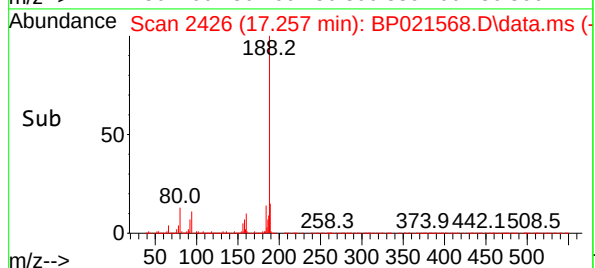
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

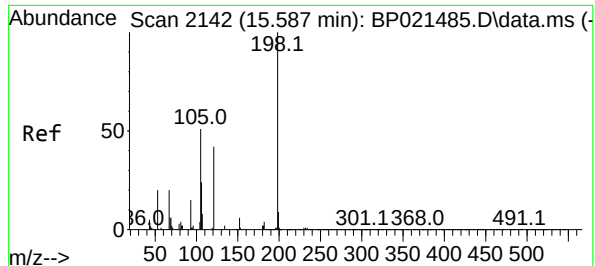


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31



Tgt Ion:188 Resp: 3038381  
Ion Ratio Lower Upper  
188 100  
94 11.5 10.2 15.4  
80 12.7 11.6 17.4





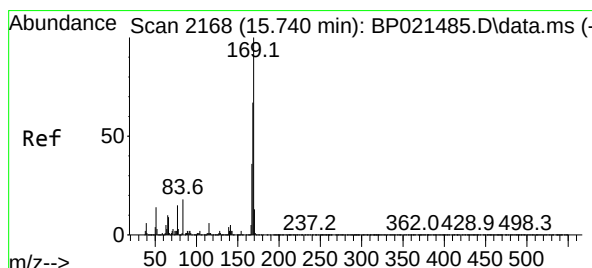
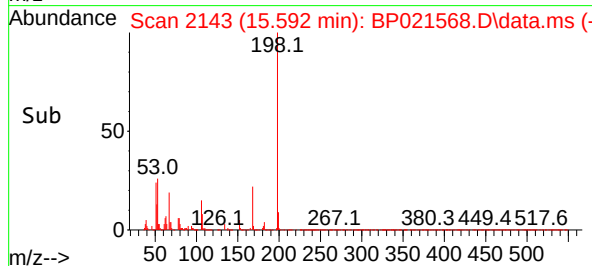
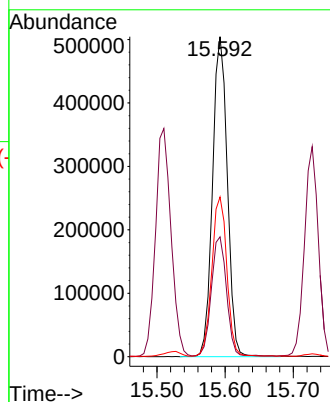
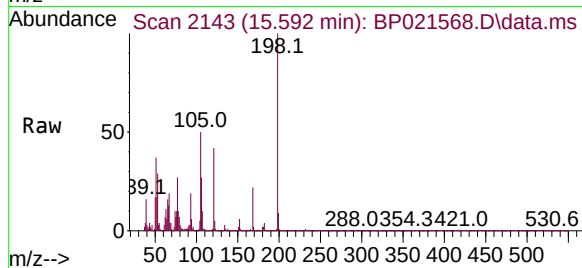
#65  
4,6-Dinitro-2-methylphenol  
Concen: 70.607 ng  
RT: 15.592 min Scan# 2143  
Delta R.T. 0.005 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Tgt Ion:198 Resp: 760962  
Ion Ratio Lower Upper  
198 100  
51 37.4 21.5 61.5  
105 49.9 32.9 72.9

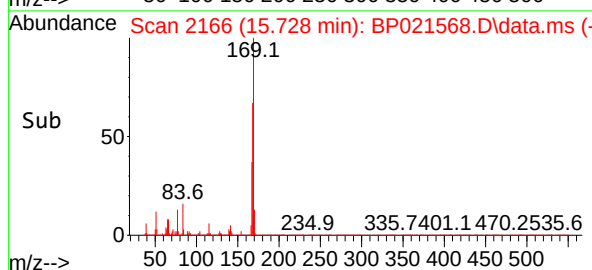
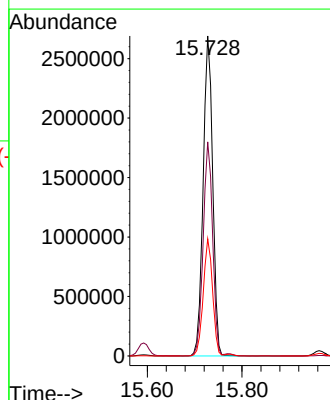
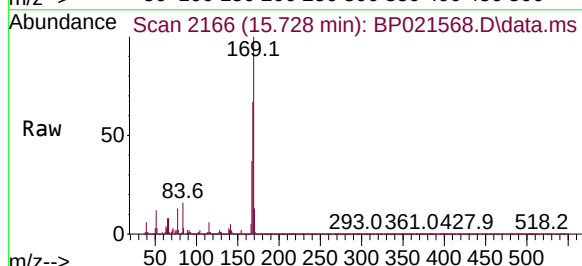
Manual Integrations  
APPROVED

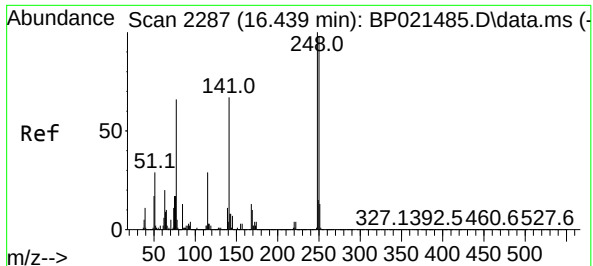
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#66  
n-Nitrosodiphenylamine  
Concen: 46.195 ng  
RT: 15.728 min Scan# 2166  
Delta R.T. -0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:169 Resp: 3761401  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.4 80.2  
167 36.6 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 44.989 ng  
RT: 16.428 min Scan# 210  
Delta R.T. -0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

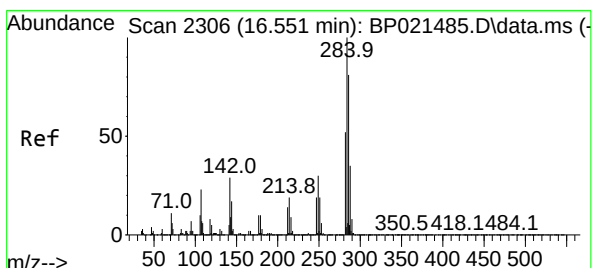
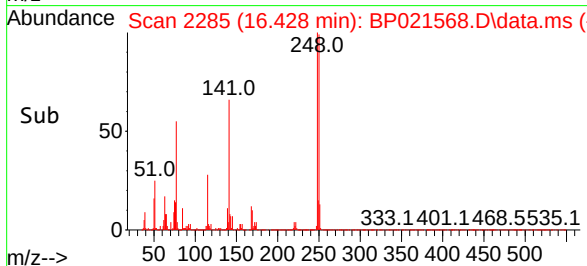
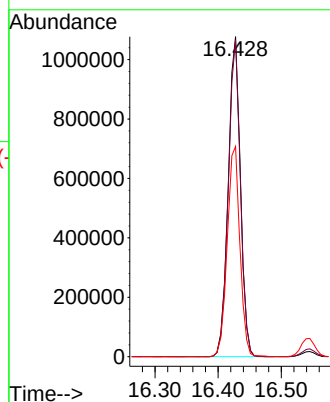
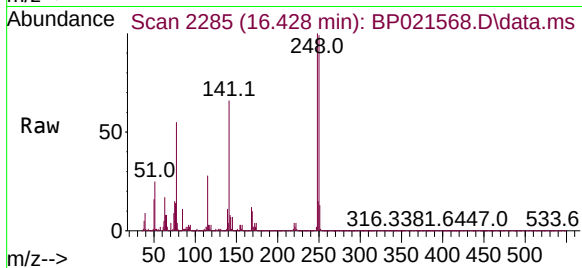
ClientSampleId :

PB162822BS

Tgt Ion:248 Resp: 144672  
Ion Ratio Lower Upper  
248 100  
250 99.0 78.6 117.8  
141 65.7 53.9 80.9

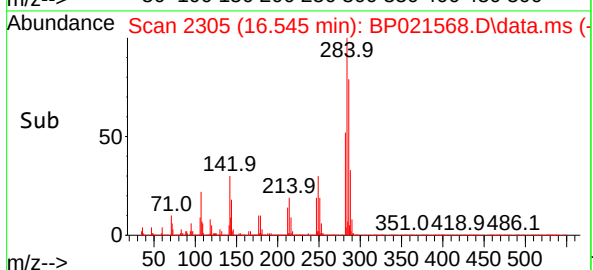
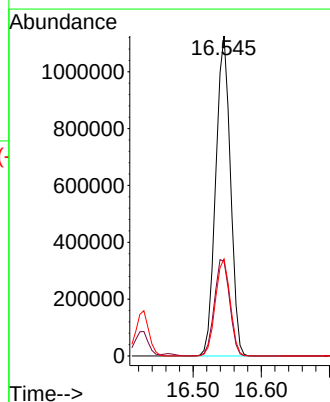
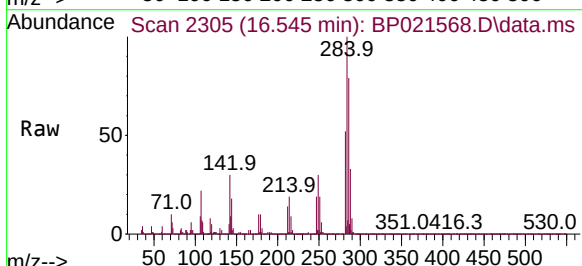
Manual Integrations  
APPROVED

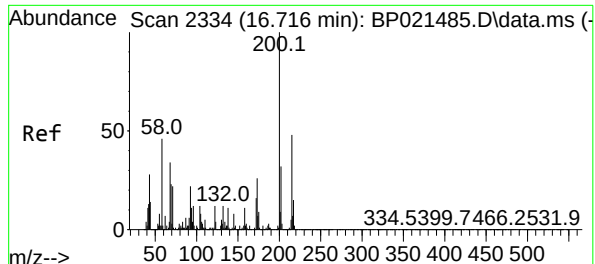
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#68  
Hexachlorobenzene  
Concen: 44.464 ng  
RT: 16.545 min Scan# 2305  
Delta R.T. -0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:284 Resp: 1689715  
Ion Ratio Lower Upper  
284 100  
142 29.6 23.4 35.2  
249 30.3 24.1 36.1





#69

Atrazine

Concen: 43.616 ng

RT: 16.710 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:200 Resp: 1219298

Ion Ratio Lower Upper

200 100

173 26.3 6.2 46.2

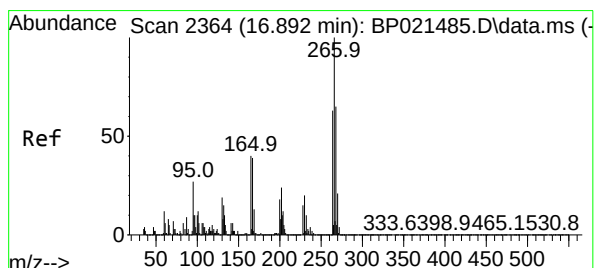
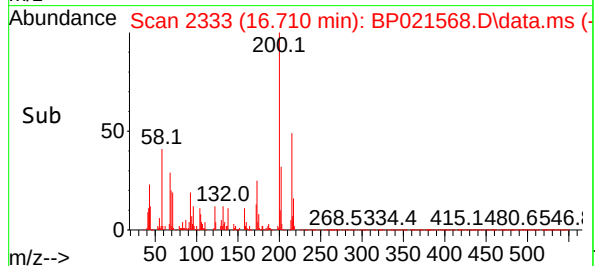
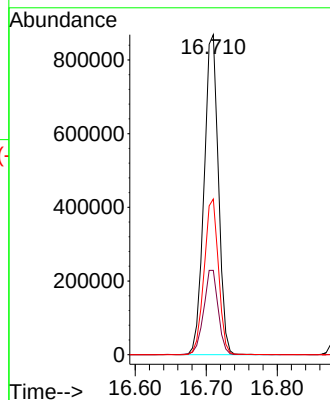
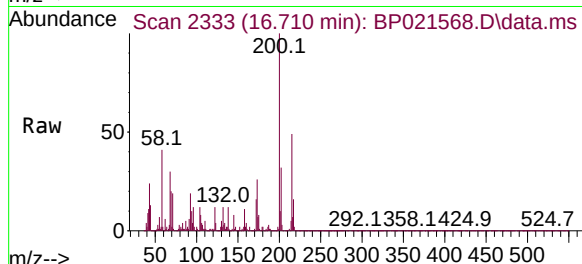
215 48.6 28.4 68.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#70

Pentachlorophenol

Concen: 107.752 ng

RT: 16.898 min Scan# 2365

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

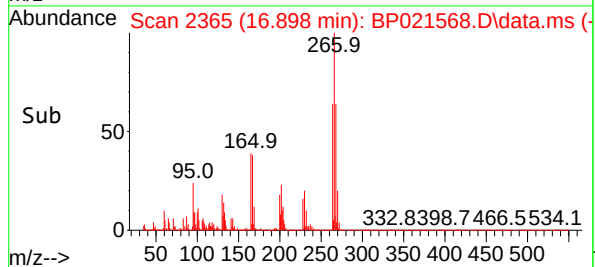
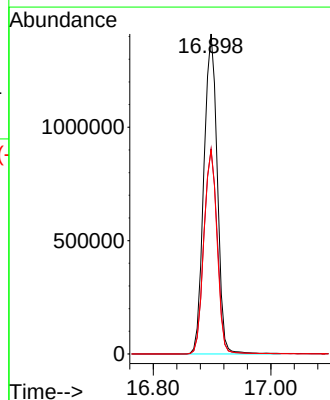
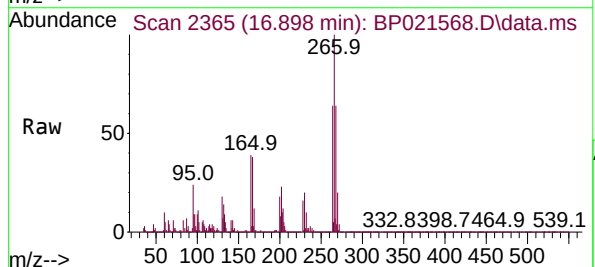
Tgt Ion:266 Resp: 2234935

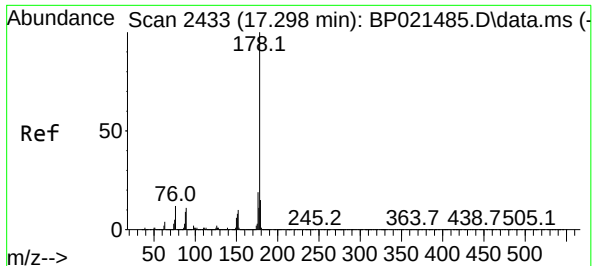
Ion Ratio Lower Upper

266 100

268 64.1 51.8 77.6

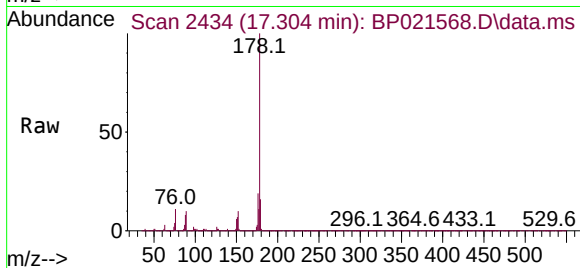
264 63.7 50.5 75.7





#71  
Phenanthrene  
Concen: 46.623 ng  
RT: 17.304 min Scan# 2433  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

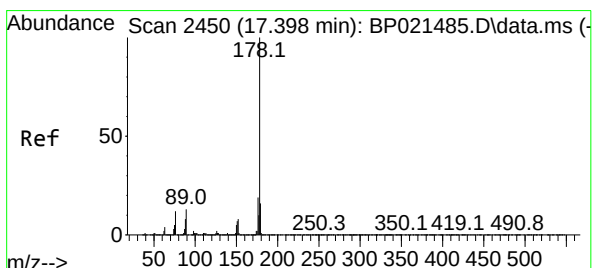
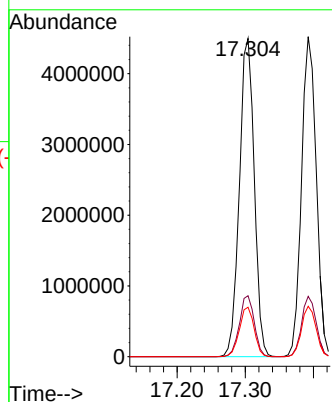
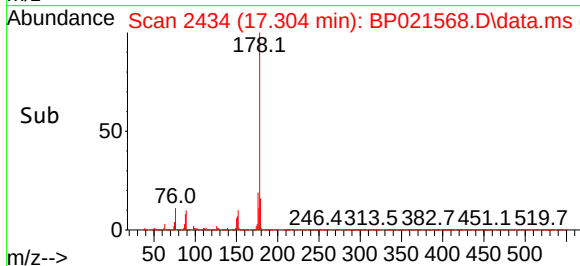
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:178 Resp: 681269  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 15.5 12.4 18.6

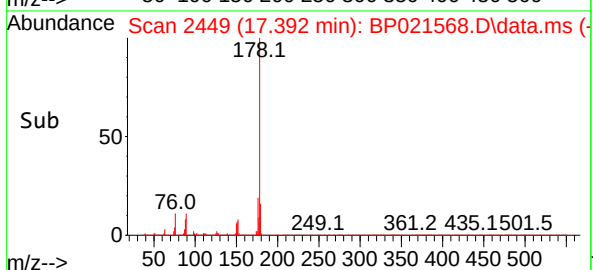
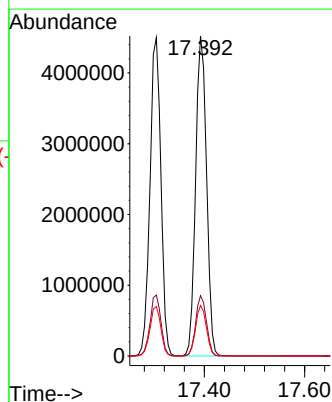
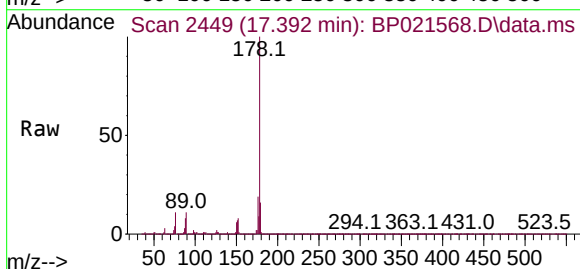
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

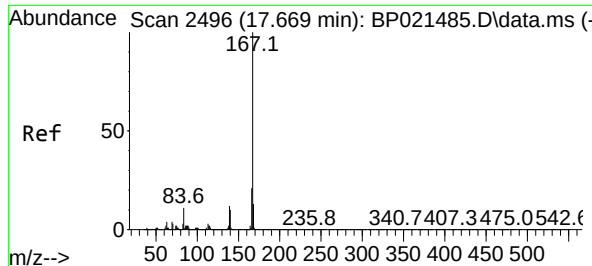


#72  
Anthracene  
Concen: 47.550 ng  
RT: 17.392 min Scan# 2449  
Delta R.T. -0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:178 Resp: 6814116  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.9 22.3  
179 15.7 12.5 18.7

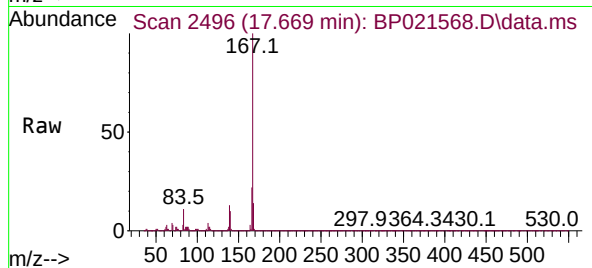






#73  
Carbazole  
Concen: 47.774 ng  
RT: 17.669 min Scan# 2496  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

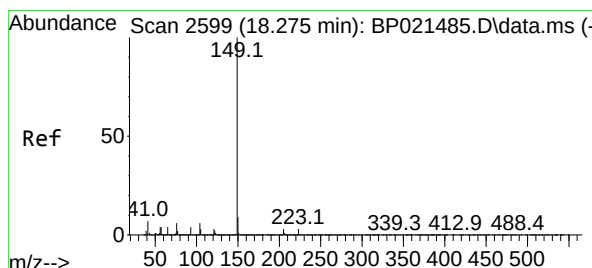
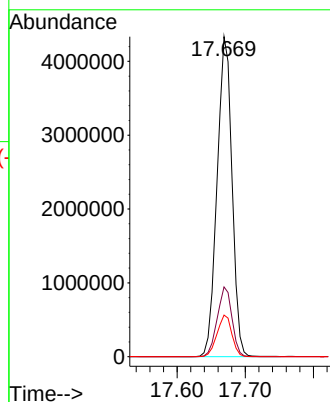
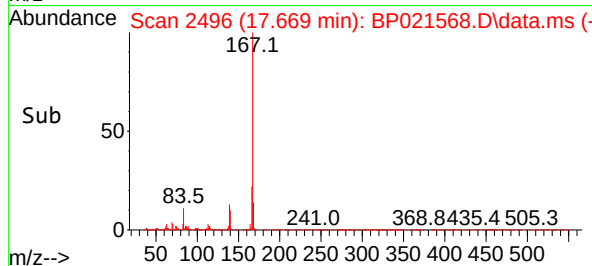
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:167 Resp: 6597878  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.0 25.4  
139 13.0 9.9 14.9

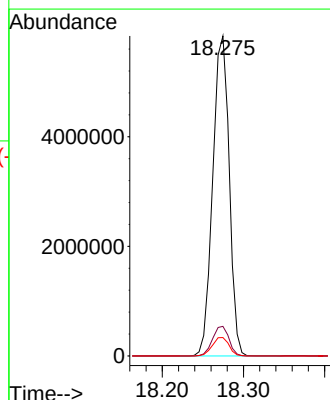
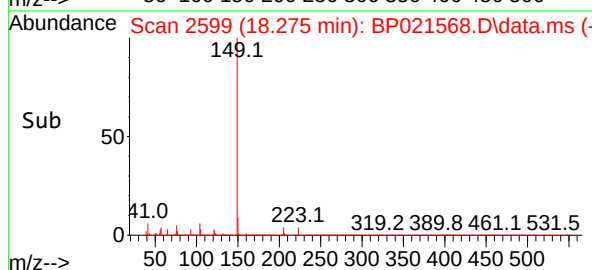
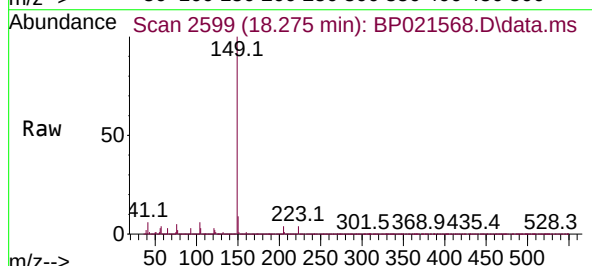
Manual Integrations  
APPROVED

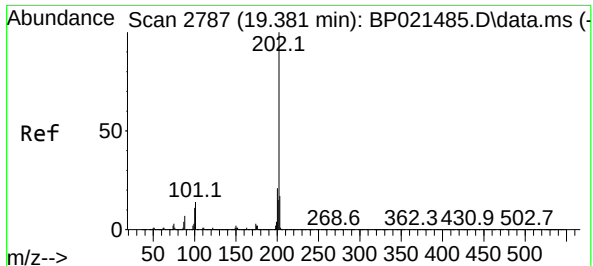
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#74  
Di-n-butylphthalate  
Concen: 48.427 ng  
RT: 18.275 min Scan# 2599  
Delta R.T. -0.000 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

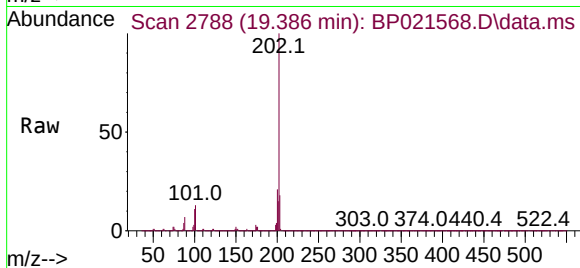
Tgt Ion:149 Resp: 8213695  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.5 11.3  
104 5.8 4.9 7.3





#75  
Fluoranthene  
Concen: 46.065 ng  
RT: 19.386 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

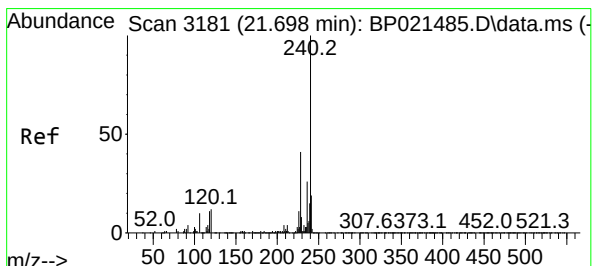
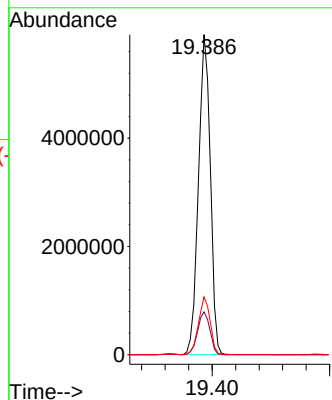
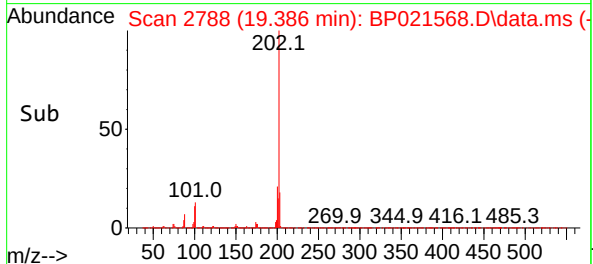
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:202 Resp: 825894  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 34.0  
203 18.1 0.0 37.5

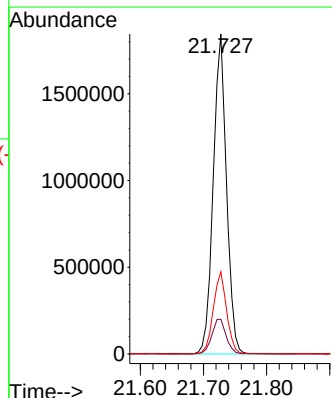
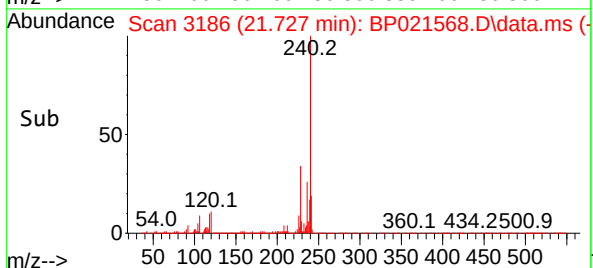
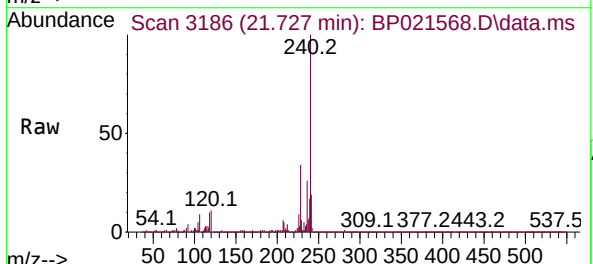
Manual Integrations  
APPROVED

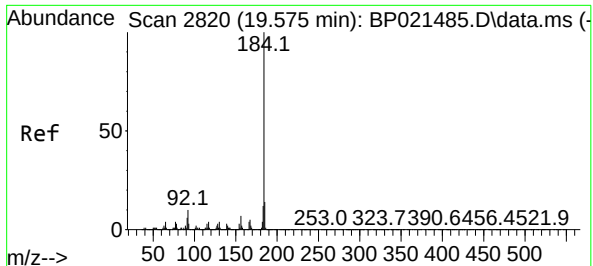
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.727 min Scan# 3186  
Delta R.T. 0.029 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:240 Resp: 2684396  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.9 14.9  
236 25.7 20.6 30.8





#77

Benzidine

Concen: 27.868 ng

RT: 19.575 min Scan# 2820

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:184 Resp: 173731

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

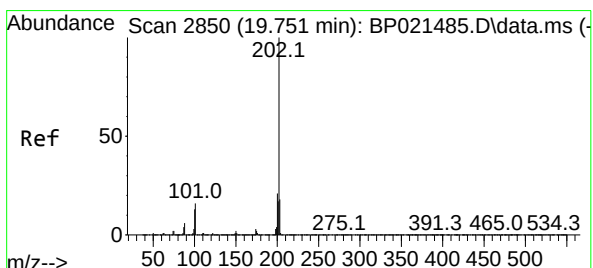
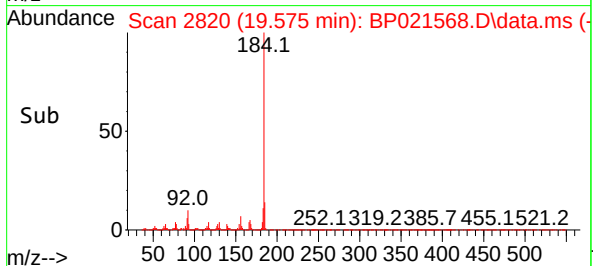
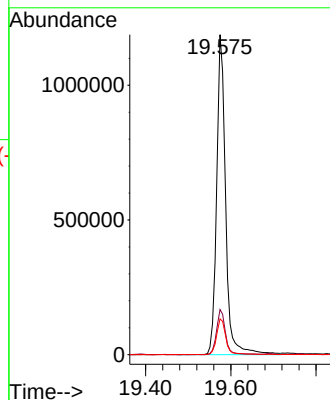
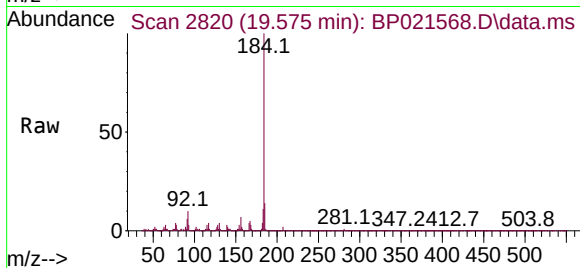
183 11.2 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#78

Pyrene

Concen: 48.494 ng

RT: 19.763 min Scan# 2852

Delta R.T. 0.012 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

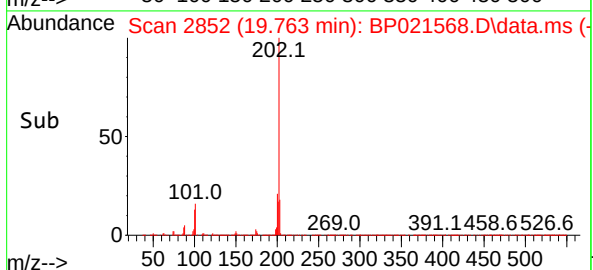
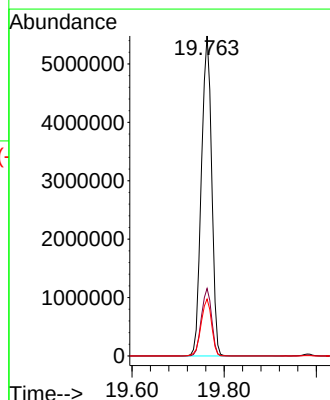
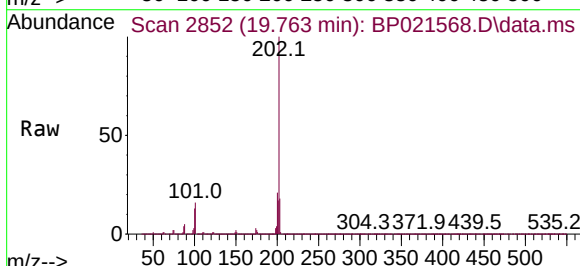
Tgt Ion:202 Resp: 8508675

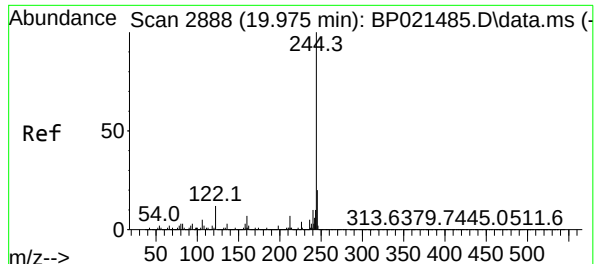
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 85.222 ng

RT: 19.980 min Scan# 2889

Delta R.T. 0.005 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:244 Resp:11775634

Ion Ratio Lower Upper

244 100

212 8.0 5.6 8.4

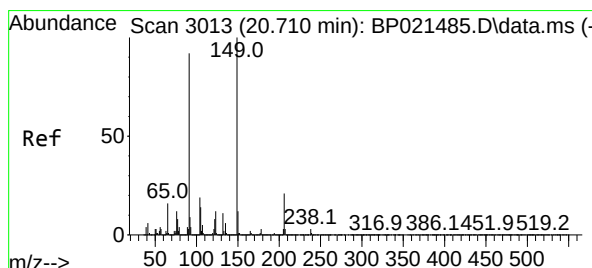
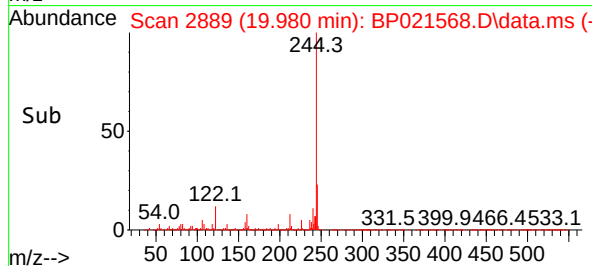
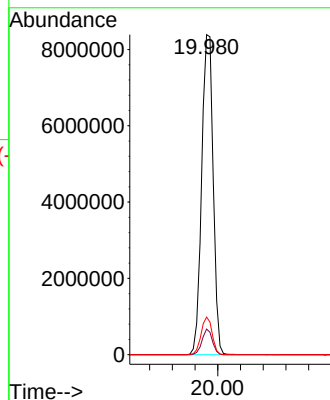
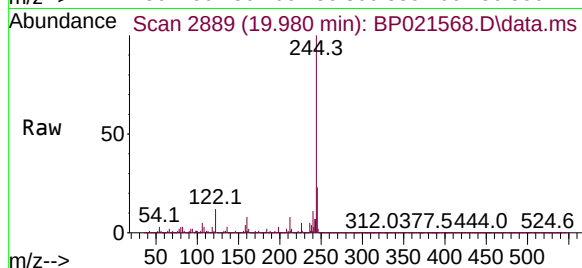
122 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#80

Butylbenzylphthalate

Concen: 54.638 ng

RT: 20.716 min Scan# 3014

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

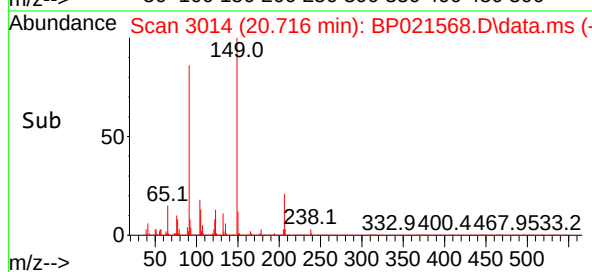
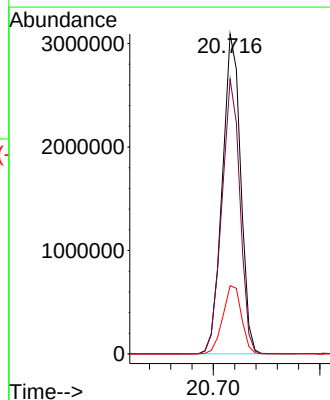
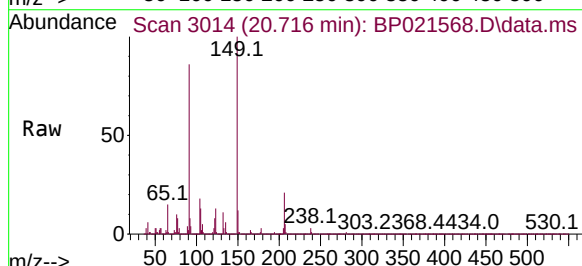
Tgt Ion:149 Resp: 3674312

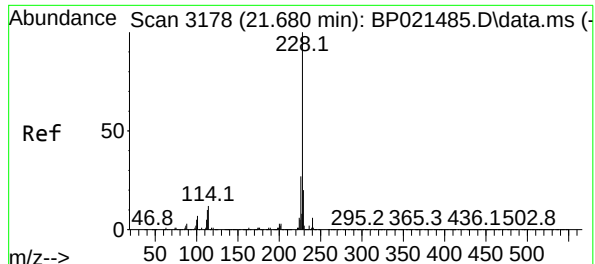
Ion Ratio Lower Upper

149 100

91 85.9 73.3 109.9

206 21.4 17.1 25.7





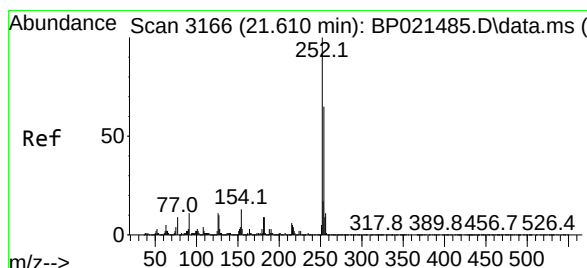
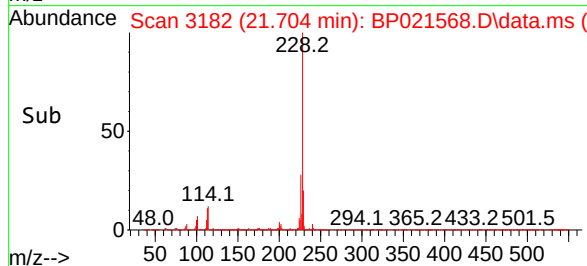
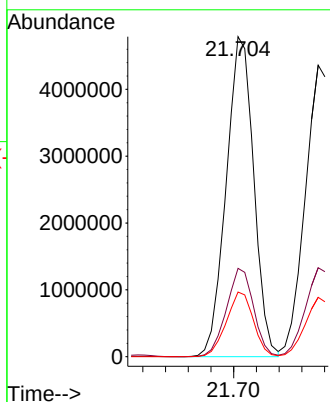
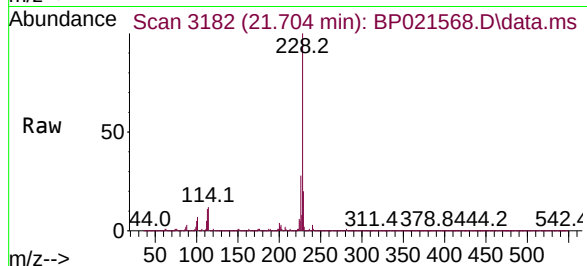
#81  
Benzo(a)anthracene  
Concen: 47.864 ng  
RT: 21.704 min Scan# 3178  
Delta R.T. 0.023 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS

Tgt Ion:228 Resp: 8065910  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.4 32.2  
229 20.2 15.8 23.6

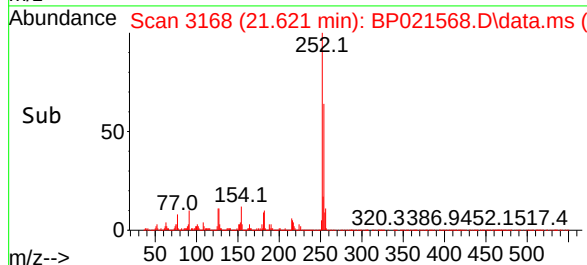
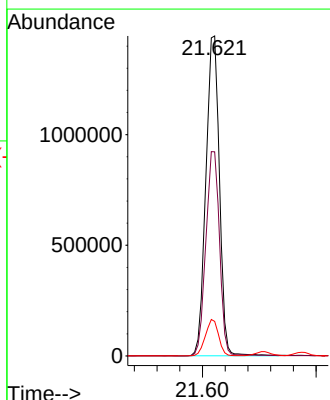
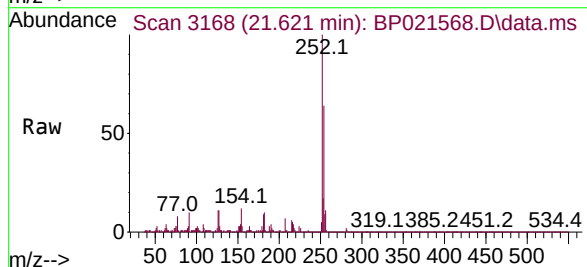
Manual Integrations  
APPROVED

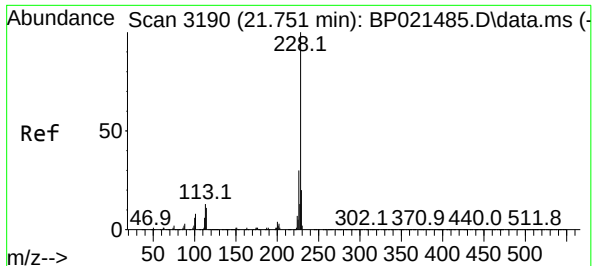
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 44.152 ng  
RT: 21.621 min Scan# 3168  
Delta R.T. 0.012 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:252 Resp: 2385563  
Ion Ratio Lower Upper  
252 100  
254 63.8 51.7 77.5  
126 10.8 8.7 13.1





#83

Chrysene

Concen: 48.009 ng

RT: 21.774 min Scan# 3190

Delta R.T. 0.023 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:228 Resp: 7638418

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

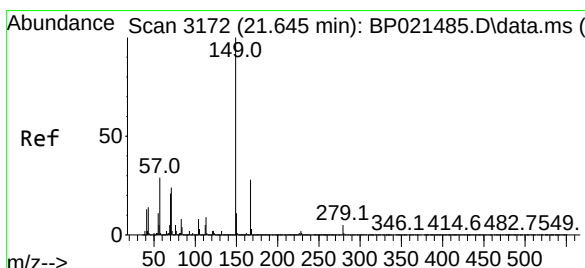
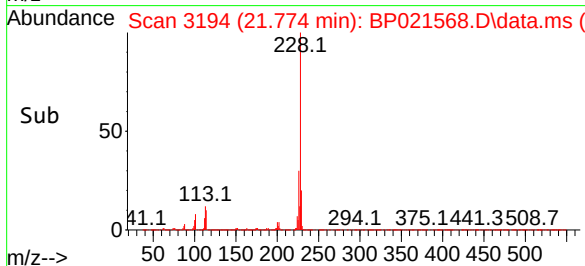
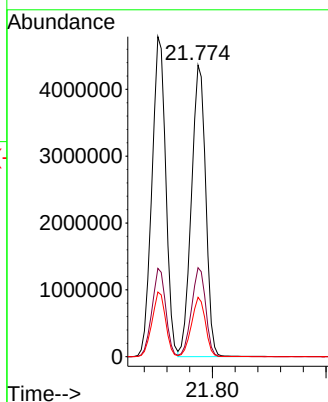
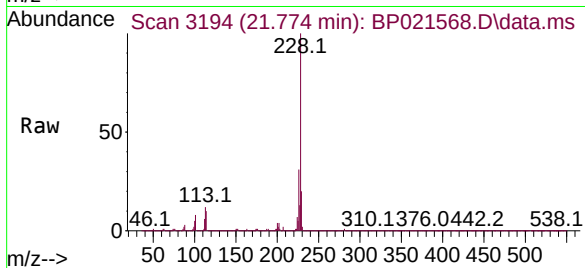
229 20.3 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.182 ng

RT: 21.657 min Scan# 3174

Delta R.T. 0.012 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

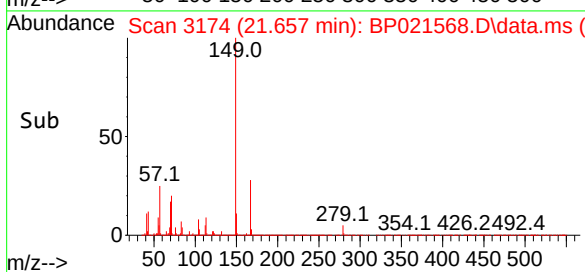
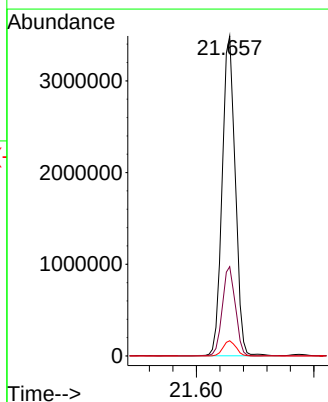
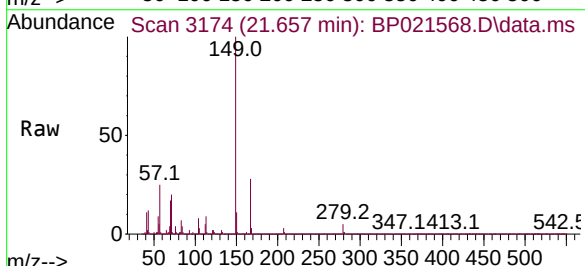
Tgt Ion:149 Resp: 5396475

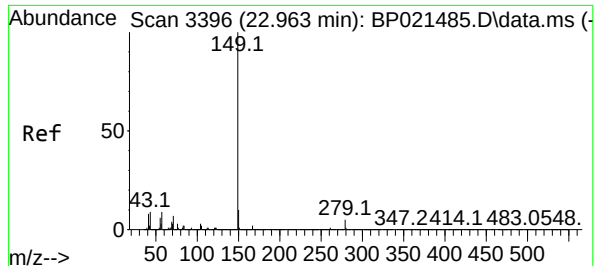
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

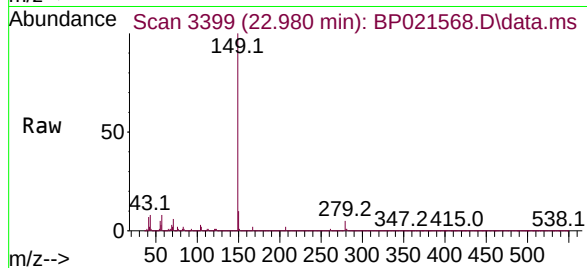
279 4.8 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 52.766 ng  
RT: 22.980 min Scan# 31  
Delta R.T. 0.017 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

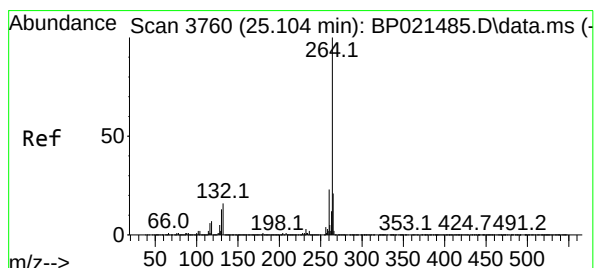
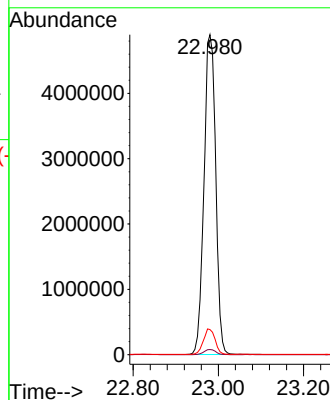
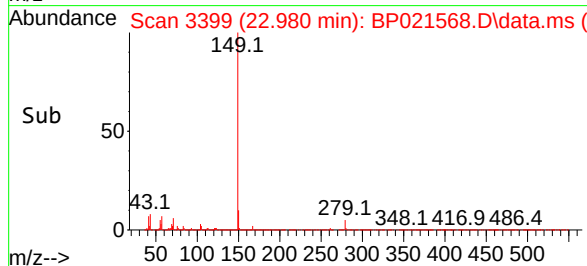
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BS



Tgt Ion:149 Resp: 9325220  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.9 7.3 10.9

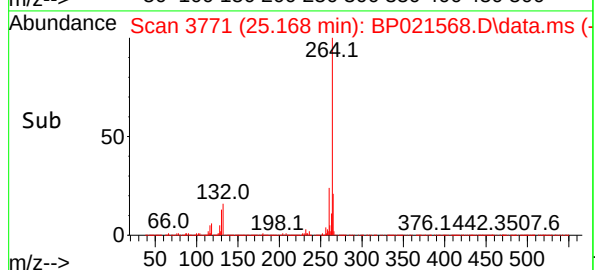
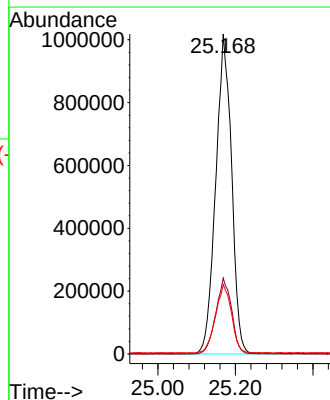
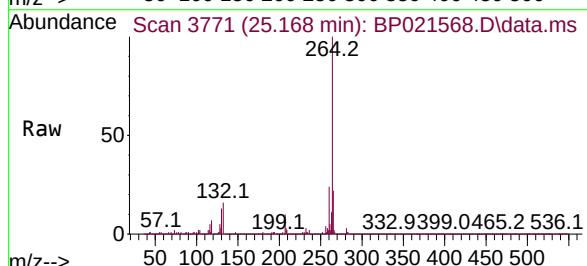
Manual Integrations  
APPROVED

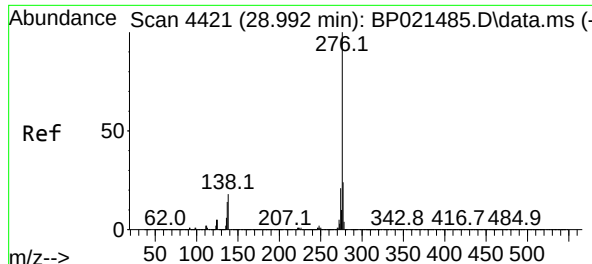
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.168 min Scan# 3771  
Delta R.T. 0.065 min  
Lab File: BP021568.D  
Acq: 20 Aug 2024 11:31

Tgt Ion:264 Resp: 2880701  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.6 28.0  
265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.182 ng m

RT: 29.092 min Scan# 4421

Delta R.T. 0.100 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:276 Resp:10117374

Ion Ratio Lower Upper

276 100

138 16.4 12.8 19.2

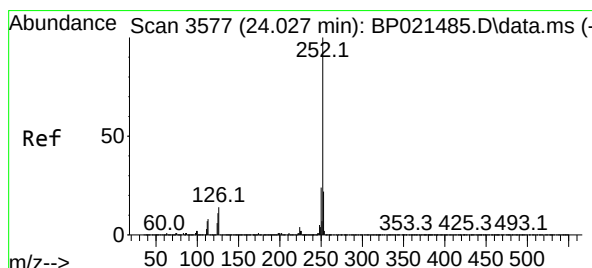
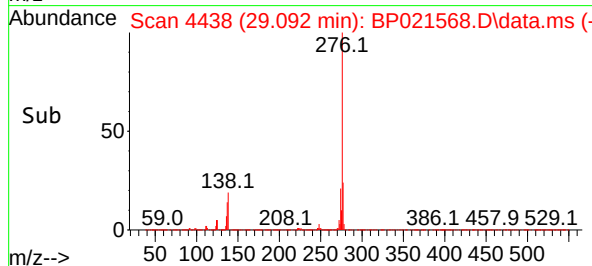
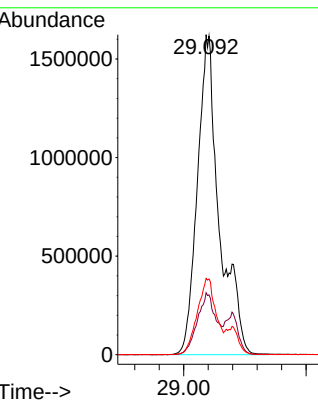
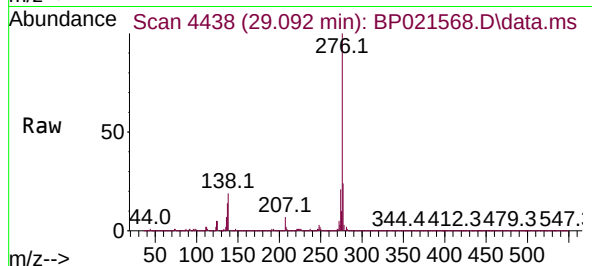
277 20.3 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#88

Benzo(b)fluoranthene

Concen: 51.707 ng

RT: 24.086 min Scan# 3587

Delta R.T. 0.059 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

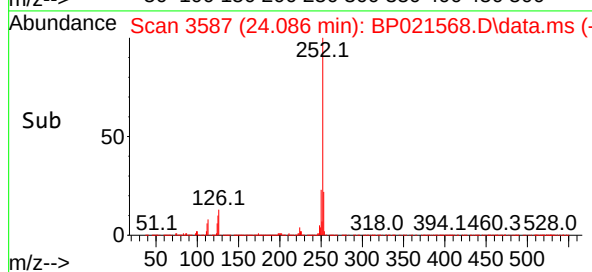
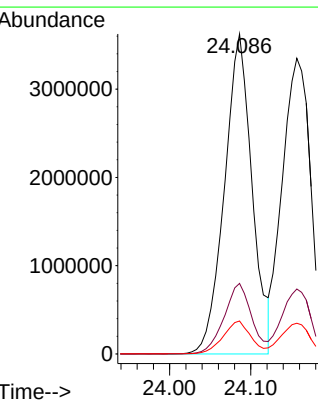
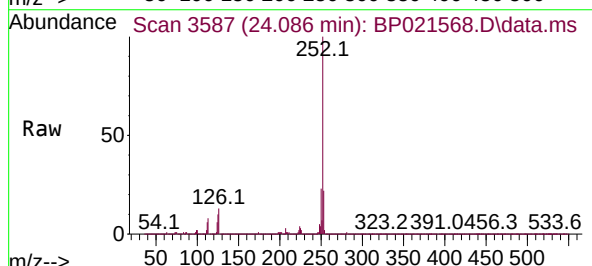
Tgt Ion:252 Resp: 8554644

Ion Ratio Lower Upper

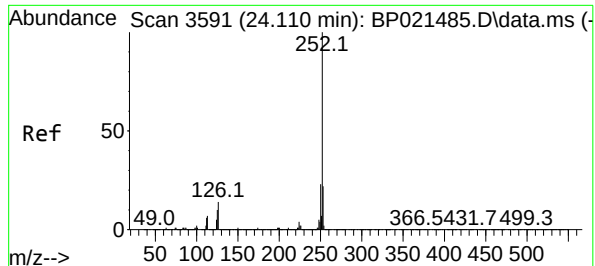
252 100

253 22.0 17.6 26.4

125 10.3 8.6 13.0







#89

Benzo(k)fluoranthene

Concen: 50.415 ng

RT: 24.157 min Scan# 3599

Delta R.T. 0.047 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:252 Resp: 8136624

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

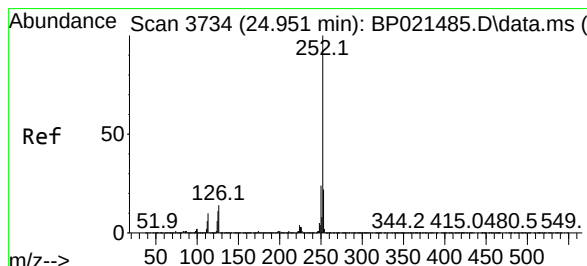
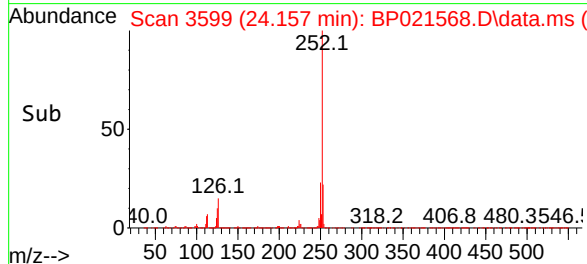
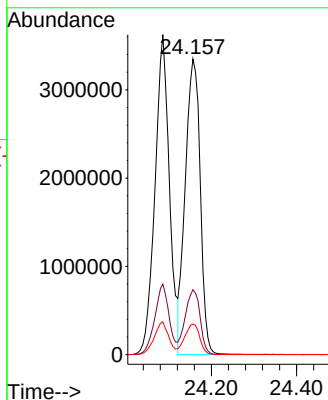
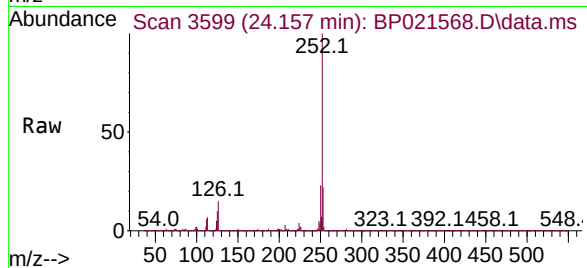
125 10.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#90

Benzo(a)pyrene

Concen: 54.347 ng

RT: 25.010 min Scan# 3744

Delta R.T. 0.059 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

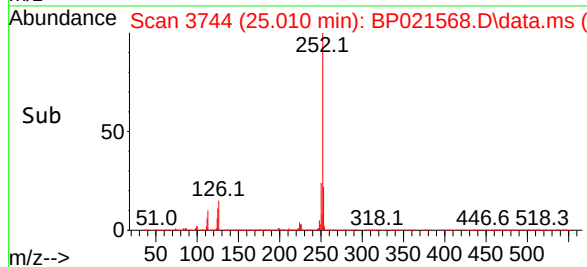
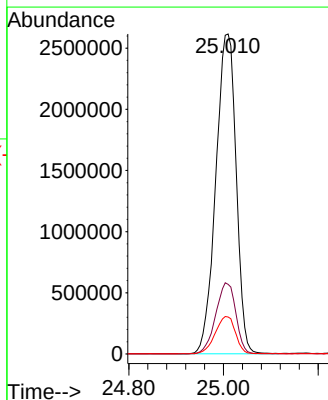
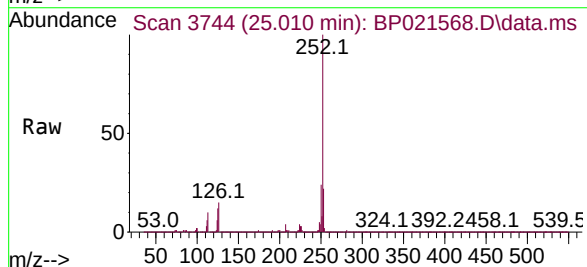
Tgt Ion:252 Resp: 7802789

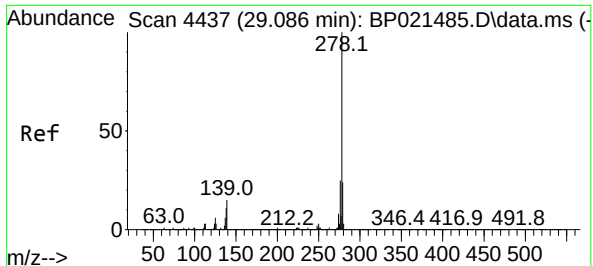
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 11.6 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 53.260 ng

RT: 29.198 min Scan# 4437

Delta R.T. 0.112 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA\_P

ClientSampleId :

PB162822BS

Tgt Ion:278 Resp: 826341

Ion Ratio Lower Upper

278 100

139 15.9 12.2 18.4

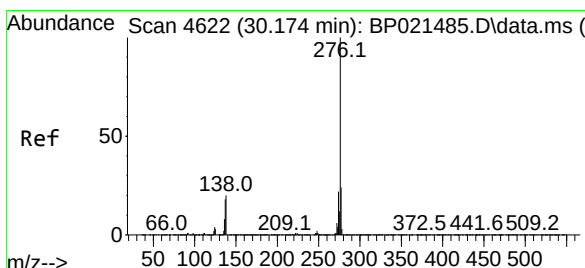
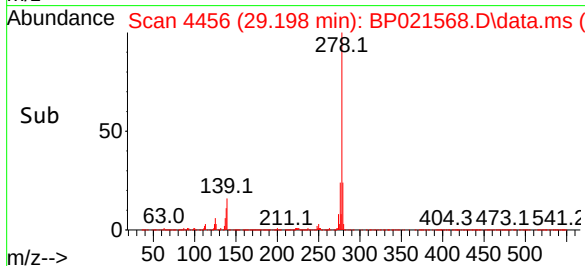
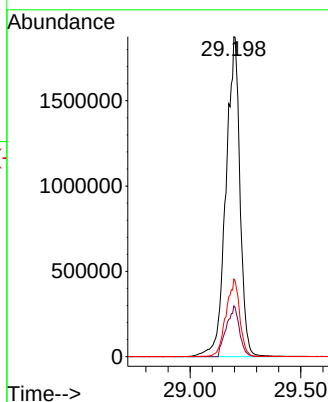
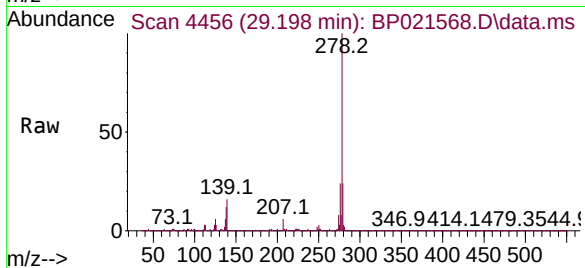
279 24.2 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#92

Benzo(g,h,i)perylene

Concen: 51.350 ng

RT: 30.303 min Scan# 4644

Delta R.T. 0.129 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

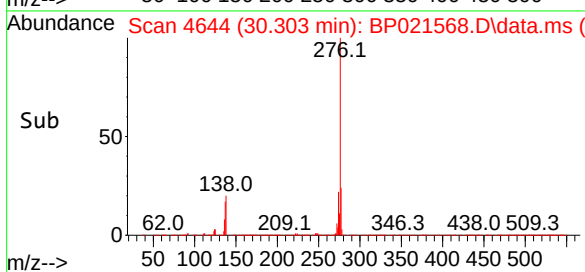
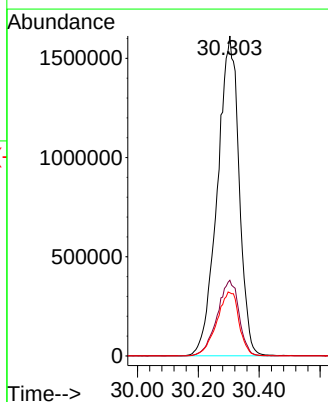
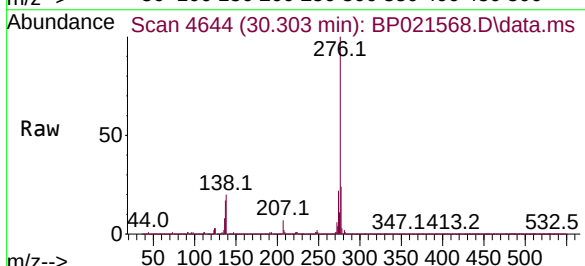
Tgt Ion:276 Resp: 7985298

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 19.8 16.0 24.0



## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: |               |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  |               |
| Client Sample ID:  | PB162822BSD                           | SDG No.:        | P3657         |
| Lab Sample ID:     | PB162822BSD                           | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021569.D        | 1         | 08/19/24 09:40 | 08/20/24 12:13 | PB162822      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                            |       |           |      |            |       |
| 110-86-1       | Pyridine                   | 28.8  |           | 1.60 | 5.00       | ug/L  |
| 100-52-7       | Benzaldehyde               | 21.4  |           | 4.00 | 10.0       | ug/L  |
| 95-48-7        | 2-Methylphenol             | 48.7  |           | 1.10 | 5.00       | ug/L  |
| 98-86-2        | Acetophenone               | 39.6  |           | 1.10 | 5.00       | ug/L  |
| 65794-96-9     | 3+4-Methylphenols          | 50.1  |           | 1.20 | 10.0       | ug/L  |
| 98-95-3        | Nitrobenzene               | 44.7  |           | 1.30 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol         | 55.0  |           | 0.88 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                | 43.7  |           | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene        | 41.6  |           | 1.30 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene        | 44.2  |           | 1.10 | 5.00       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol      | 57.4  |           | 0.89 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol      | 55.2  |           | 1.00 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene             | 49.4  |           | 1.00 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene               | 51.4  |           | 0.81 | 5.00       | ug/L  |
| 132-64-9       | Dibenzofuran               | 46.3  |           | 0.93 | 5.00       | ug/L  |
| 86-73-7        | Fluorene                   | 43.6  |           | 0.96 | 5.00       | ug/L  |
| 118-74-1       | Hexachlorobenzene          | 45.0  |           | 1.10 | 5.00       | ug/L  |
| 87-86-5        | Pentachlorophenol          | 110   | E         | 1.90 | 10.0       | ug/L  |
| 85-01-8        | Phenanthrene               | 47.6  |           | 0.89 | 5.00       | ug/L  |
| 86-74-8        | Carbazole                  | 48.9  |           | 1.20 | 5.00       | ug/L  |
| 84-74-2        | Di-n-butylphthalate        | 48.1  |           | 1.50 | 5.00       | ug/L  |
| 206-44-0       | Fluoranthene               | 46.4  |           | 1.30 | 5.00       | ug/L  |
| 129-00-0       | Pyrene                     | 48.0  |           | 1.10 | 5.00       | ug/L  |
| 56-55-3        | Benzo(a)anthracene         | 48.7  |           | 0.94 | 5.00       | ug/L  |
| 218-01-9       | Chrysene                   | 48.8  |           | 0.86 | 5.00       | ug/L  |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 53.5  |           | 1.90 | 5.00       | ug/L  |
| 205-99-2       | Benzo(b)fluoranthene       | 49.6  |           | 1.10 | 5.00       | ug/L  |
| 207-08-9       | Benzo(k)fluoranthene       | 51.0  |           | 1.20 | 5.00       | ug/L  |
| 50-32-8        | Benzo(a)pyrene             | 54.0  |           | 1.70 | 5.00       | ug/L  |

## Report of Analysis

|                    |                                       |                 |               |
|--------------------|---------------------------------------|-----------------|---------------|
| Client:            | JACOBS Engineering Group, Inc.        | Date Collected: |               |
| Project:           | Former Schlumberger Site Princeton NJ | Date Received:  |               |
| Client Sample ID:  | PB162822BSD                           | SDG No.:        | P3657         |
| Lab Sample ID:     | PB162822BSD                           | Matrix:         | Water         |
| Analytical Method: | SW8270                                | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL                        | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                                    | Test:           | SVOCMS Group6 |
| Extraction Type :  | Decanted : N                          | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0                      | GPC Cleanup :   | N PH :        |
| Prep Method :      | SW3510C                               |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP021569.D        | 1         | 08/19/24 09:40 | 08/20/24 12:13 | PB162822      |

| CAS Number                | Parameter              | Conc.   | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|------------------------|---------|-----------|---------------------|------------|----------|
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 53.9    |           | 1.00                | 5.00       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene | 53.3    |           | 1.20                | 5.00       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene   | 50.9    |           | 1.20                | 5.00       | ug/L     |
| 123-91-1                  | 1,4-Dioxane            | 28.8    |           | 1.30                | 5.00       | ug/L     |
| 90-12-0                   | 1-Methylnaphthalene    | 42.0    |           | 0.86                | 5.00       | ug/L     |
| <b>SURROGATES</b>         |                        |         |           |                     |            |          |
| 367-12-4                  | 2-Fluorophenol         | 137     |           | 15 (10) - 110 (139) | 91%        | SPK: 150 |
| 13127-88-3                | Phenol-d6              | 128     |           | 15 (10) - 110 (134) | 85%        | SPK: 150 |
| 4165-60-0                 | Nitrobenzene-d5        | 93.0    |           | 30 (49) - 130 (133) | 93%        | SPK: 100 |
| 321-60-8                  | 2-Fluorobiphenyl       | 80.2    |           | 30 (52) - 130 (132) | 80%        | SPK: 100 |
| 118-79-6                  | 2,4,6-Tribromophenol   | 154     |           | 15 (44) - 110 (137) | 103%       | SPK: 150 |
| 1718-51-0                 | Terphenyl-d14          | 88.7    |           | 30 (48) - 130 (125) | 89%        | SPK: 100 |
| <b>INTERNAL STANDARDS</b> |                        |         |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 491000  | 7.805     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8         | 2020000 | 10.593    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10       | 1320000 | 14.457    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10       | 2800000 | 17.269    |                     |            |          |
| 1719-03-5                 | Chrysene-d12           | 2520000 | 21.739    |                     |            |          |
| 1520-96-3                 | Perylene-d12           | 2790000 | 25.186    |                     |            |          |

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\_P\Data\BP082024\  
 Data File : BP021569.D  
 Acq On : 20 Aug 2024 12:13  
 Operator : RC/JU  
 Sample : PB162822BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162822BSD

Quant Time: Aug 20 12:41:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 14 00:00:30 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
 Supervised By :mohammad ahmed 08/22/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-------------------------------|--------|------|----------|---------|-------|-----------|
| Internal Standards            |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4     | 7.805  | 152  | 491039   | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8            | 10.593 | 136  | 2018197  | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10          | 14.457 | 164  | 1318739  | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10          | 17.269 | 188  | 2796133  | 20.000  | ng    | 0.02      |
| 76) Chrysene-d12              | 21.739 | 240  | 2515502  | 20.000  | ng    | 0.04      |
| 86) Perylene-d12              | 25.186 | 264  | 2791666  | 20.000  | ng    | 0.08      |
| System Monitoring Compounds   |        |      |          |         |       |           |
| 5) 2-Fluorophenol             | 5.411  | 112  | 4528303  | 136.932 | ng    | 0.02      |
| 7) Phenol-d6                  | 6.975  | 99   | 6165876  | 127.814 | ng    | 0.01      |
| 23) Nitrobenzene-d5           | 8.958  | 82   | 3635318  | 92.973  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol      | 15.975 | 330  | 2257963  | 153.843 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 6931075  | 80.212  | ng    | 0.00      |
| 79) Terphenyl-d14             | 19.992 | 244  | 11484368 | 88.694  | ng    | 0.02      |
| Target Compounds              |        |      |          |         |       |           |
| 2) 1,4-Dioxane                | 3.323  | 88   | 451297   | 28.781  | ng    | Qvalue 99 |
| 3) Pyridine                   | 3.717  | 79   | 1261547m | 28.820  | ng    |           |
| 4) n-Nitrosodimethylamine     | 3.623  | 42   | 558739   | 42.467  | ng    | 93        |
| 6) Aniline                    | 7.134  | 93   | 1298454  | 26.924  | ng    | 96        |
| 8) 2-Chlorophenol             | 7.375  | 128  | 1596706  | 52.247  | ng    | 94        |
| 9) Benzaldehyde               | 6.946  | 77   | 660523m  | 21.385  | ng    |           |
| 10) Phenol                    | 7.005  | 94   | 2374061  | 47.524  | ng    | 96        |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 1760124  | 41.640  | ng    | 96        |
| 12) 1,3-Dichlorobenzene       | 7.699  | 146  | 1573718  | 43.352  | ng    | 97        |
| 13) 1,4-Dichlorobenzene       | 7.840  | 146  | 1603764  | 43.753  | ng    | 98        |
| 14) 1,2-Dichlorobenzene       | 8.158  | 146  | 1559102  | 44.137  | ng    | 100       |
| 15) Benzyl Alcohol            | 8.040  | 79   | 1626253  | 46.983  | ng    | 96        |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322  | 45   | 1647523  | 42.324  | ng    | 97        |
| 17) 2-Methylphenol            | 8.240  | 107  | 1536652  | 48.658  | ng    | 97        |
| 18) Hexachloroethane          | 8.881  | 117  | 659730   | 44.883  | ng    | 99        |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 1249300  | 37.490  | ng    | 95        |
| 20) 3+4-Methylphenols         | 8.569  | 107  | 2134400  | 50.123  | ng    | 98        |
| 22) Acetophenone              | 8.622  | 105  | 2456033  | 39.612  | ng    | # 98      |
| 24) Nitrobenzene              | 8.999  | 77   | 1897954  | 44.692  | ng    | 92        |
| 25) Isophorone                | 9.522  | 82   | 3709853  | 40.161  | ng    | 97        |
| 26) 2-Nitrophenol             | 9.705  | 139  | 792325   | 63.370  | ng    | 93        |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 1213284  | 53.222  | ng    | 97        |
| 28) bis(2-Chloroethoxy)met... | 10.005 | 93   | 2367345  | 41.984  | ng    | 99        |
| 29) 2,4-Dichlorophenol        | 10.240 | 162  | 1480451  | 54.964  | ng    | 97        |
| 30) 1,2,4-Trichlorobenzene    | 10.458 | 180  | 1492819  | 43.230  | ng    | 98        |
| 31) Naphthalene               | 10.646 | 128  | 4603512  | 43.664  | ng    | 100       |
| 32) Benzoic acid              | 9.922  | 122  | 1217860  | 69.039  | ng    | 93        |
| 33) 4-Chloroaniline           | 10.746 | 127  | 1119273  | 28.262  | ng    | 96        |
| 34) Hexachlorobutadiene       | 10.940 | 225  | 903824   | 41.569  | ng    | 98        |
| 35) Caprolactam               | 11.540 | 113  | 566372m  | 50.518  | ng    |           |
| 36) 4-Chloro-3-methylphenol   | 11.881 | 107  | 1952285  | 52.252  | ng    | 97        |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 3183184  | 44.238  | ng    | 99        |
| 38) 1-Methylnaphthalene       | 12.481 | 142  | 2982545  | 42.027  | ng    | 99        |
| 40) 1,2,4,5-Tetrachloroben... | 12.634 | 216  | 1566485  | 40.541  | ng    | 99        |
| 41) Hexachlorocyclopentadiene | 12.616 | 237  | 1393597  | 113.798 | ng    | 98        |
| 43) 2,4,6-Trichlorophenol     | 12.869 | 196  | 1231858  | 57.393  | ng    | 100       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082024\  
 Data File : BP021569.D  
 Acq On : 20 Aug 2024 12:13  
 Operator : RC/JU  
 Sample : PB162822BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162822BSD

Quant Time: Aug 20 12:41:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 14 00:00:30 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
 Supervised By :mohammad ahmed 08/22/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.952 | 196  | 1315468  | 55.163  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 3776973  | 40.481  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 3185536  | 43.854  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.516 | 65   | 1126118  | 54.530  | ng    | # 86     |
| 49) Acenaphthylene            | 14.175 | 152  | 5275845  | 49.407  | ng    | 100      |
| 50) Dimethylphthalate         | 13.910 | 163  | 4233153  | 47.933  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.016 | 165  | 940351   | 52.381  | ng    | 91       |
| 52) Acenaphthene              | 14.522 | 154  | 3601366m | 51.401  | ng    |          |
| 53) 3-Nitroaniline            | 14.346 | 138  | 775492   | 44.582  | ng    | # 90     |
| 54) 2,4-Dinitrophenol         | 14.569 | 184  | 965462   | 121.666 | ng    | # 85     |
| 55) Dibenzofuran              | 14.863 | 168  | 4988509  | 46.284  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.669 | 139  | 1714088  | 114.676 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 14.816 | 165  | 1335111  | 57.774  | ng    | 89       |
| 58) Fluorene                  | 15.528 | 166  | 3864218  | 43.641  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.087 | 232  | 1185204  | 58.555  | ng    | 99       |
| 60) Diethylphthalate          | 15.304 | 149  | 4259031  | 47.002  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.516 | 204  | 1966279  | 42.961  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.534 | 138  | 951854   | 52.570  | ng    | 91       |
| 63) Azobenzene                | 15.822 | 77   | 4620647  | 41.483  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.598 | 198  | 702004   | 70.723  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.740 | 169  | 3529833  | 47.107  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.434 | 248  | 1341601  | 45.335  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.557 | 284  | 1574085  | 45.010  | ng    | 99       |
| 69) Atrazine                  | 16.716 | 200  | 1144071  | 44.470  | ng    | 99       |
| 70) Pentachlorophenol         | 16.910 | 266  | 2107986  | 110.436 | ng    | 99       |
| 71) Phenanthrene              | 17.310 | 178  | 6401785  | 47.607  | ng    | 100      |
| 72) Anthracene                | 17.398 | 178  | 6424495  | 48.715  | ng    | 99       |
| 73) Carbazole                 | 17.675 | 167  | 6219869  | 48.939  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.292 | 149  | 7501228  | 48.058  | ng    | 100      |
| 75) Fluoranthene              | 19.398 | 202  | 7658708  | 46.418  | ng    | 99       |
| 77) Benzidine                 | 19.586 | 184  | 1654718  | 28.295  | ng    | 100      |
| 78) Pyrene                    | 19.781 | 202  | 7888730  | 47.980  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.722 | 149  | 3397196  | 53.957  | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.716 | 228  | 7693671  | 48.721  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.633 | 252  | 2315165  | 45.726  | ng    | 99       |
| 83) Chrysene                  | 21.792 | 228  | 7276214  | 48.803  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.675 | 149  | 4995239  | 53.521  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.992 | 149  | 8711748  | 52.619  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.104 | 276  | 9758827  | 53.928  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 24.098 | 252  | 7945368  | 49.556  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.180 | 252  | 7973591m | 50.980  | ng    |          |
| 90) Benzo(a)pyrene            | 25.033 | 252  | 7515255  | 54.014  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.192 | 278  | 8019357  | 53.335  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.327 | 276  | 7676781  | 50.941  | ng    | 98       |

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

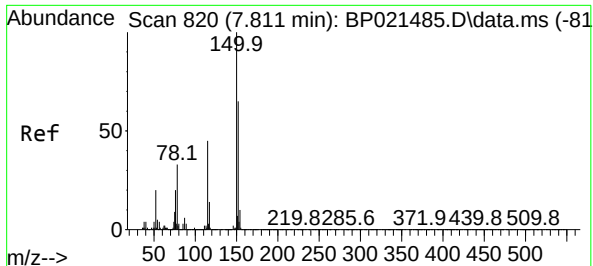
**Instrument :**  
BNA\_P  
**ClientSampleId :**  
PB162822BSD

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024







#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.805 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

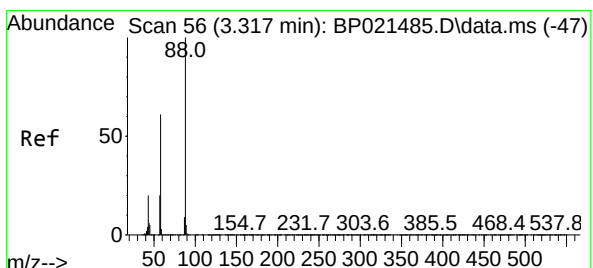
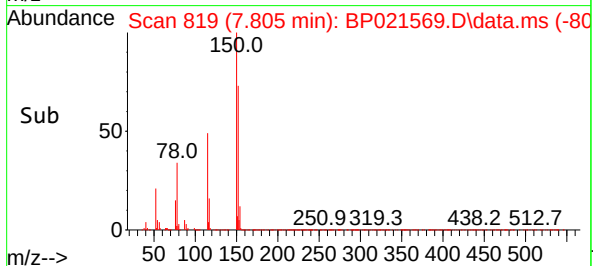
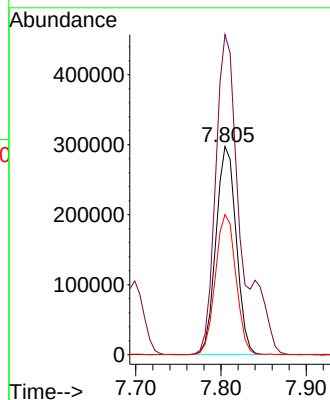
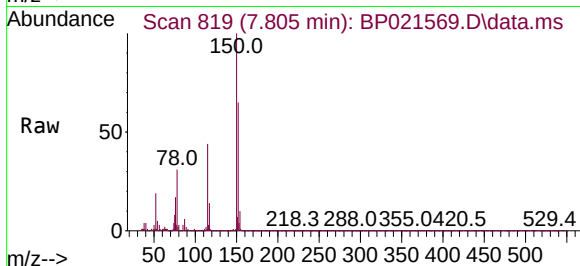
ClientSampleId :

PB162822BSD

Tgt Ion:152 Resp: 491039  
Ion Ratio Lower Upper  
152 100  
150 153.8 122.4 183.6  
115 67.4 54.7 82.1

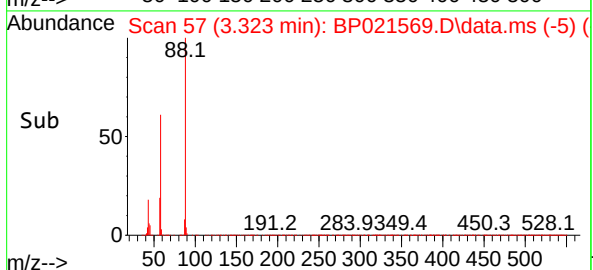
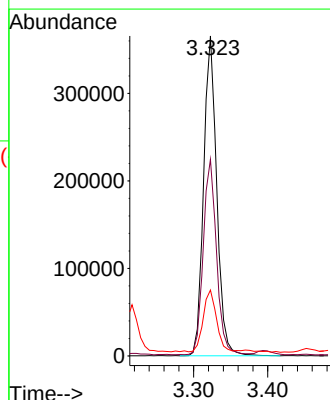
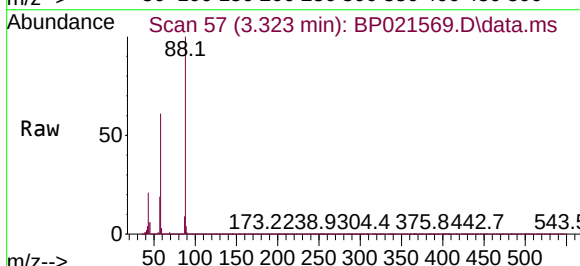
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

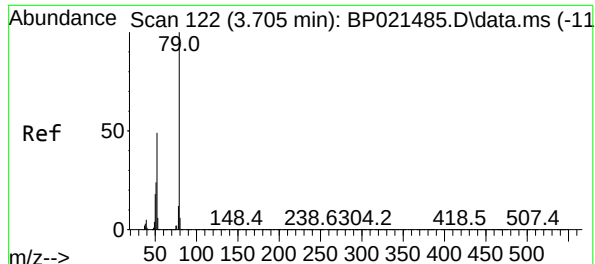


#2  
1,4-Dioxane  
Concen: 28.781 ng  
RT: 3.323 min Scan# 57  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion: 88 Resp: 451297  
Ion Ratio Lower Upper  
88 100  
58 61.9 48.7 73.1  
43 19.9 15.4 23.2

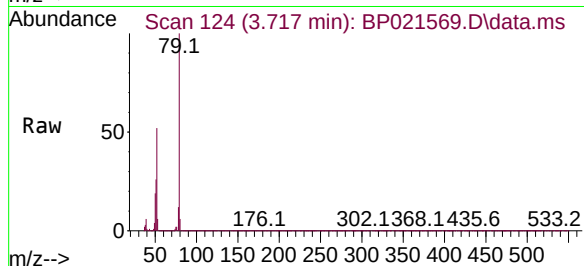






#3  
Pyridine  
Concen: 28.820 ng m  
RT: 3.717 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

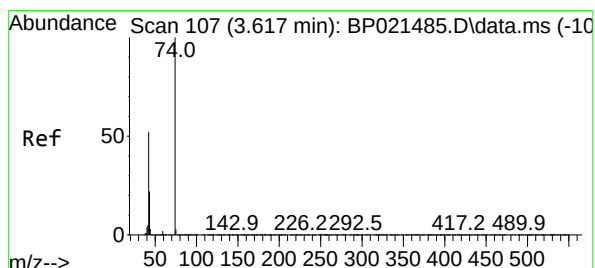
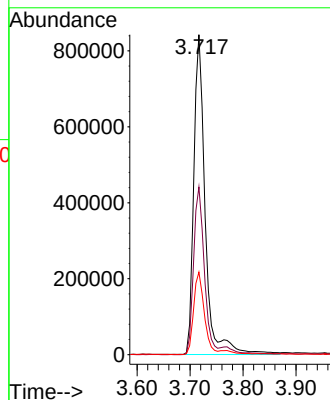
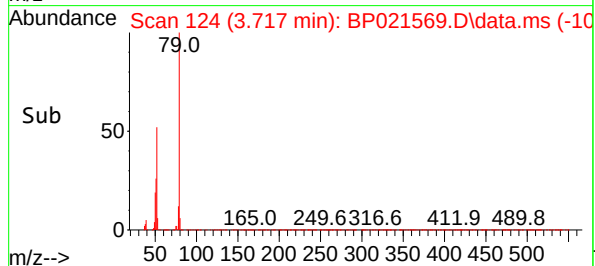
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion: 79 Resp: 126154  
Ion Ratio Lower Upper  
79 100  
52 52.4 39.0 58.6  
51 25.8 19.2 28.8

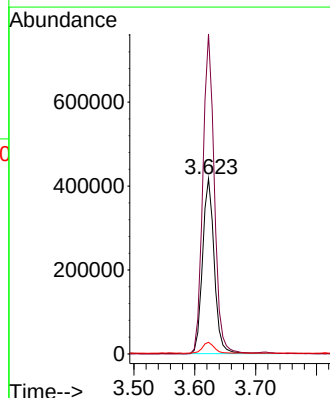
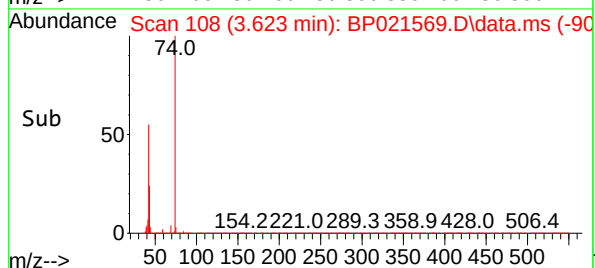
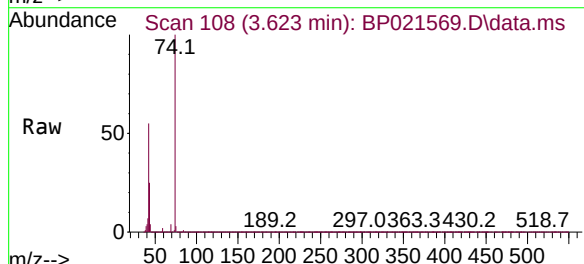
Manual Integrations  
APPROVED

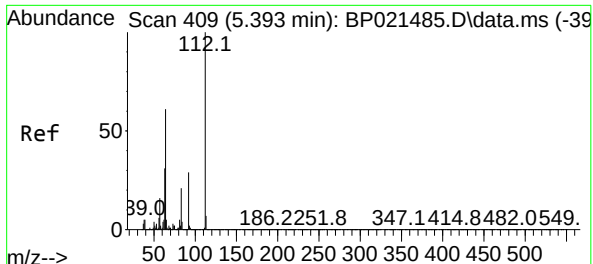
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#4  
n-Nitrosodimethylamine  
Concen: 42.467 ng  
RT: 3.623 min Scan# 108  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

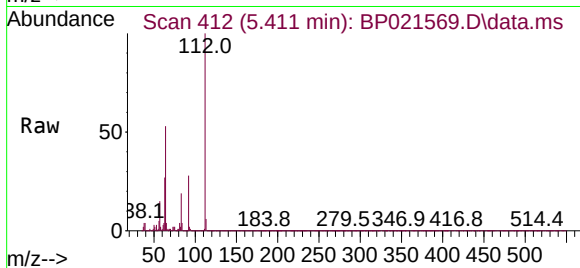
Tgt Ion: 42 Resp: 558739  
Ion Ratio Lower Upper  
42 100  
74 182.4 154.3 231.5  
44 6.7 6.2 9.4





#5  
2-Fluorophenol  
Concen: 136.932 ng  
RT: 5.411 min Scan# 412  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

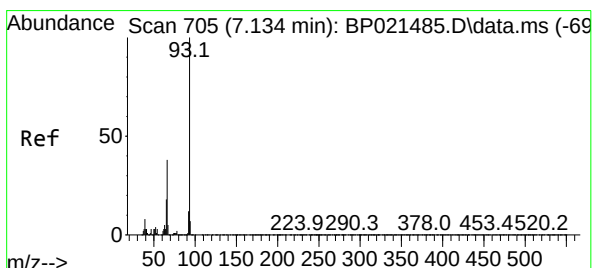
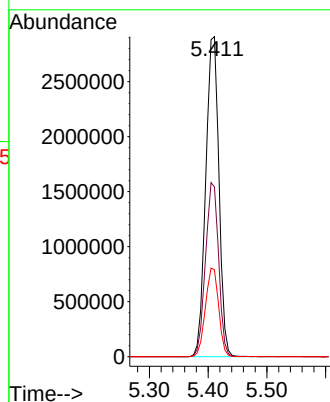
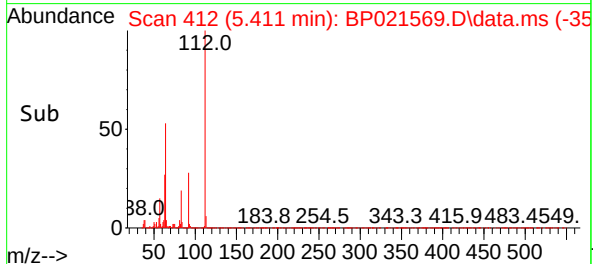
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion:112 Resp: 452830  
Ion Ratio Lower Upper  
112 100  
64 53.0 49.0 73.6  
63 27.2 24.6 36.8

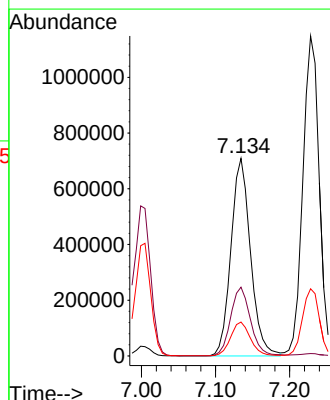
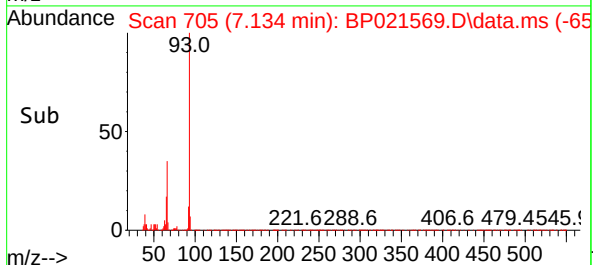
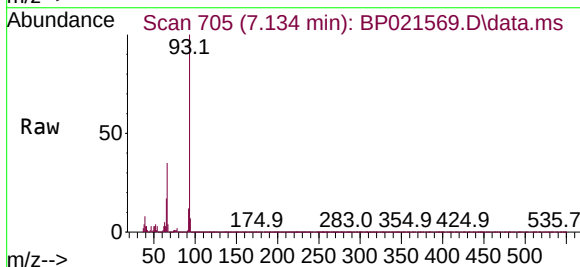
Manual Integrations  
APPROVED

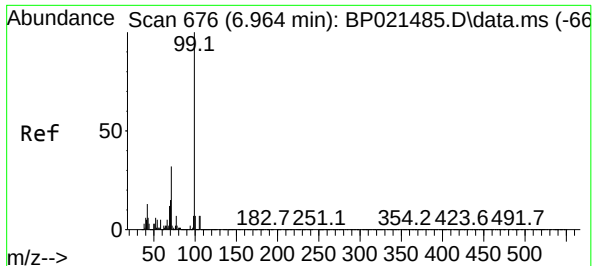
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#6  
Aniline  
Concen: 26.924 ng  
RT: 7.134 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

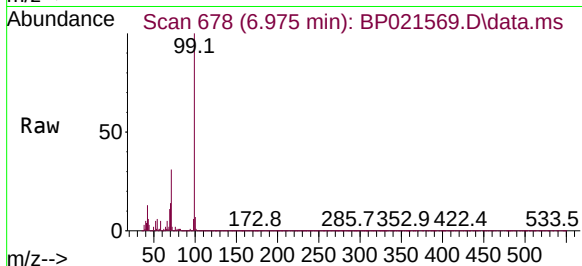
Tgt Ion: 93 Resp: 1298454  
Ion Ratio Lower Upper  
93 100  
66 34.9 30.2 45.2  
65 17.2 14.7 22.1





#7  
Phenol-d6  
Concen: 127.814 ng  
RT: 6.975 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

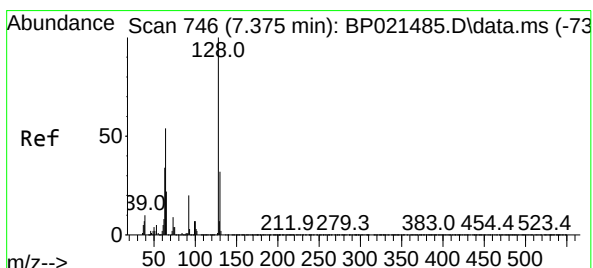
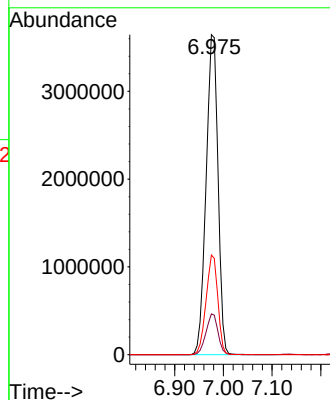
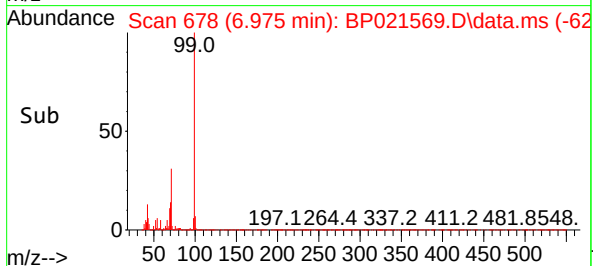
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion: 99 Resp: 6165870  
Ion Ratio Lower Upper  
99 100  
42 12.7 10.2 15.4  
71 31.1 25.8 38.8

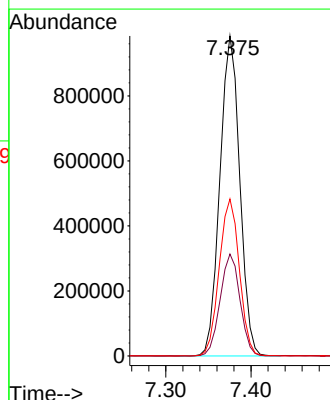
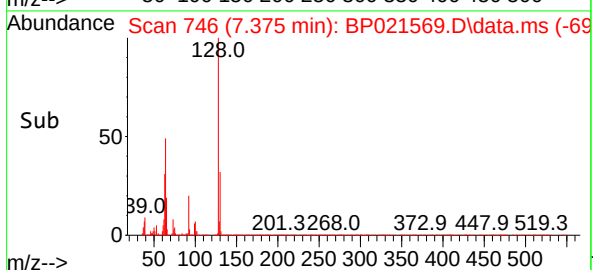
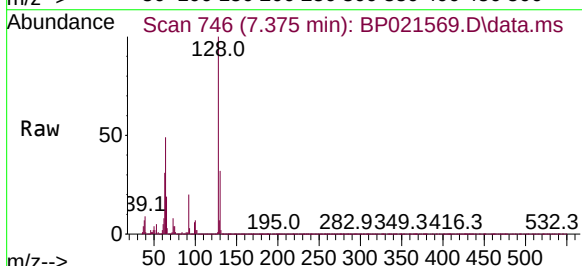
Manual Integrations  
APPROVED

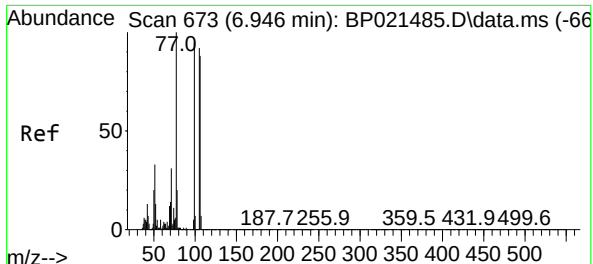
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#8  
2-Chlorophenol  
Concen: 52.247 ng  
RT: 7.375 min Scan# 746  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

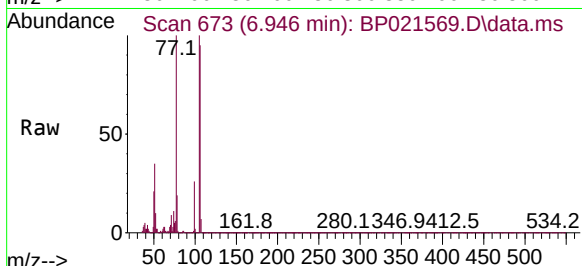
Tgt Ion:128 Resp: 1596706  
Ion Ratio Lower Upper  
128 100  
130 31.9 11.6 51.6  
64 49.1 35.3 75.3





#9  
Benzaldehyde  
Concen: 21.385 ng m  
RT: 6.946 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

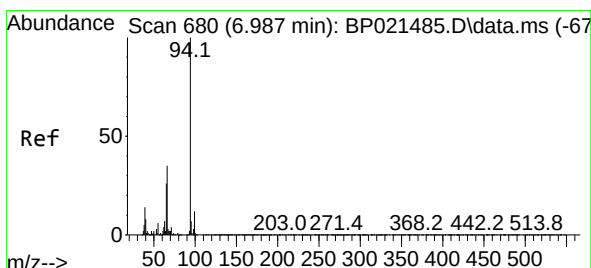
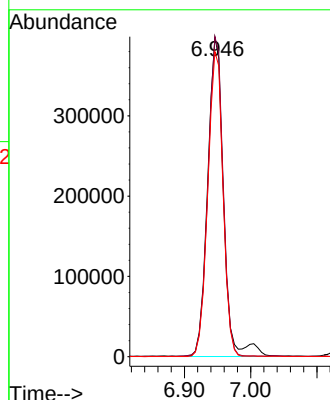
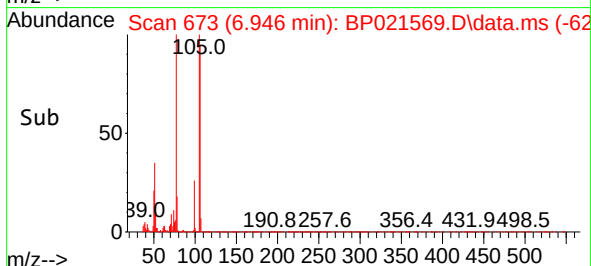
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



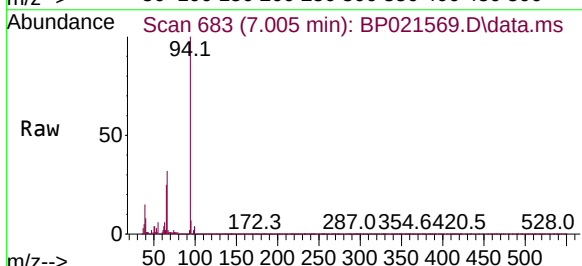
Tgt Ion: 77 Resp: 66052  
Ion Ratio Lower Upper  
77 100  
105 100.3 72.1 112.1  
106 95.5 67.9 107.9

Manual Integrations  
APPROVED

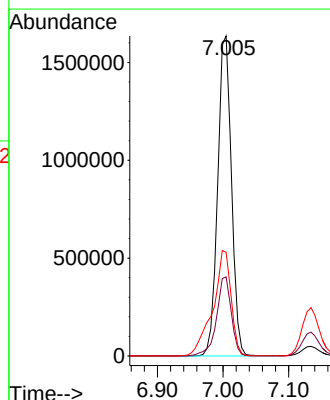
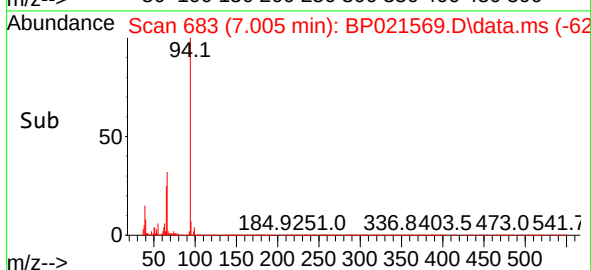
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

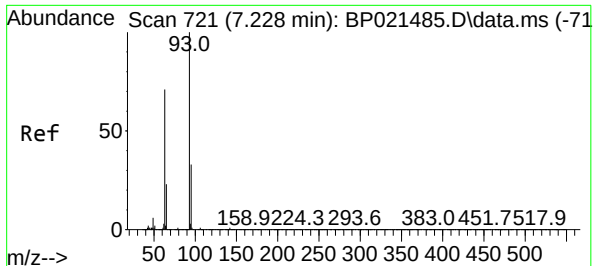


#10  
Phenol  
Concen: 47.524 ng  
RT: 7.005 min Scan# 683  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion: 94 Resp: 2374061  
Ion Ratio Lower Upper  
94 100  
65 24.7 6.5 46.5  
66 32.4 14.7 54.7





#11

bis(2-Chloroethyl)ether

Concen: 41.640 ng

RT: 7.228 min Scan# 721

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion: 93 Resp: 1760124

Ion Ratio Lower Upper

93 100

63 66.6 51.0 91.0

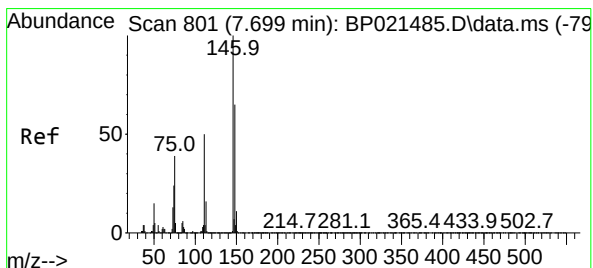
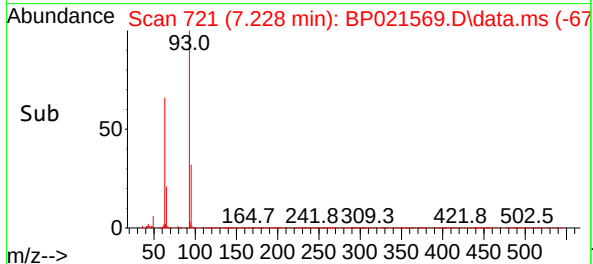
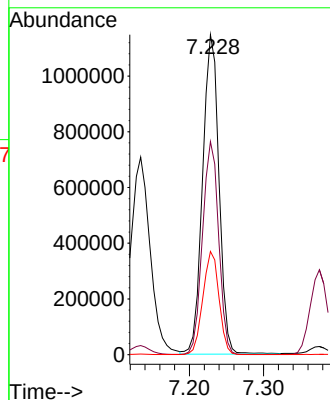
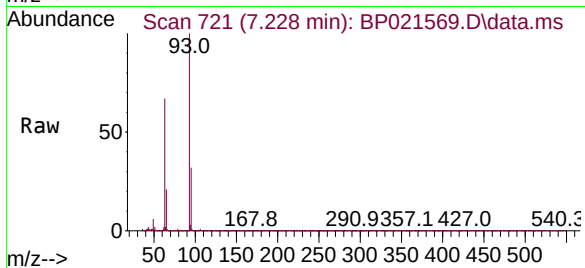
95 32.3 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#12

1,3-Dichlorobenzene

Concen: 43.352 ng

RT: 7.699 min Scan# 801

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

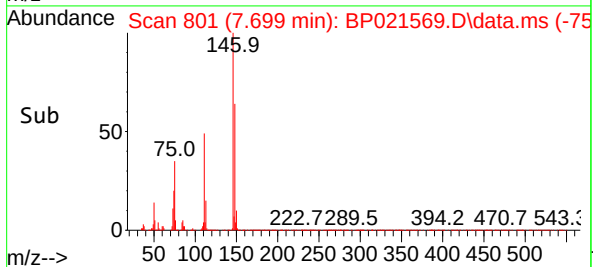
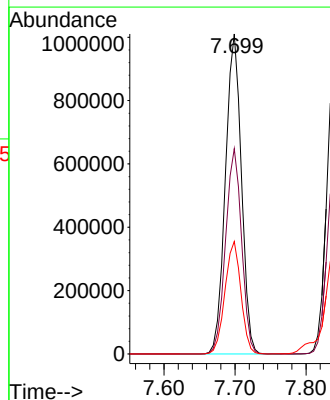
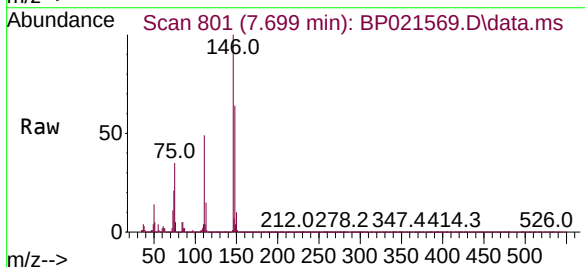
Tgt Ion:146 Resp: 1573718

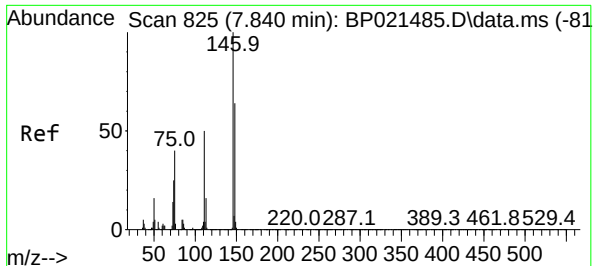
Ion Ratio Lower Upper

146 100

148 64.2 51.8 77.6

75 35.1 31.3 46.9





#13

1,4-Dichlorobenzene

Concen: 43.753 ng

RT: 7.840 min Scan# 81

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:146 Resp: 160376

Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

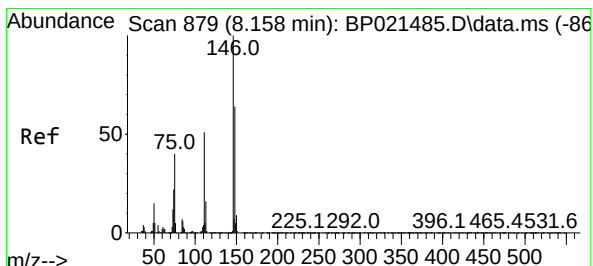
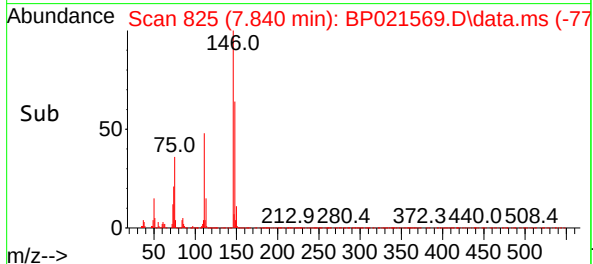
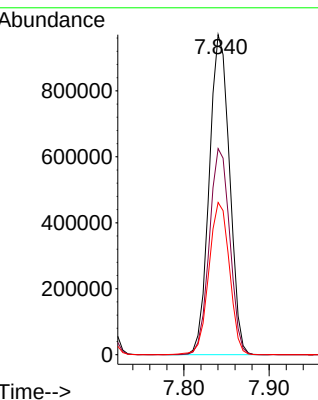
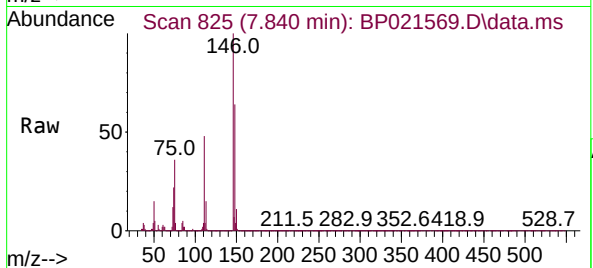
111 47.5 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#14

1,2-Dichlorobenzene

Concen: 44.137 ng

RT: 8.158 min Scan# 879

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

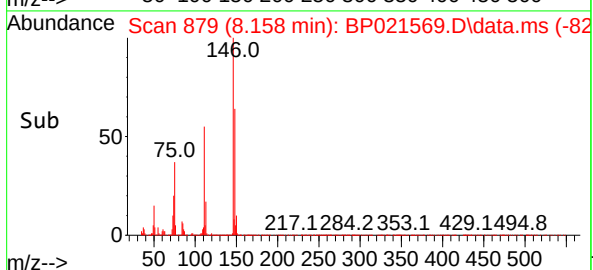
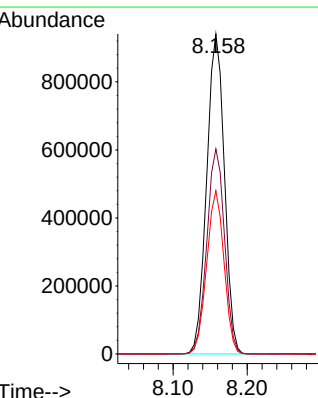
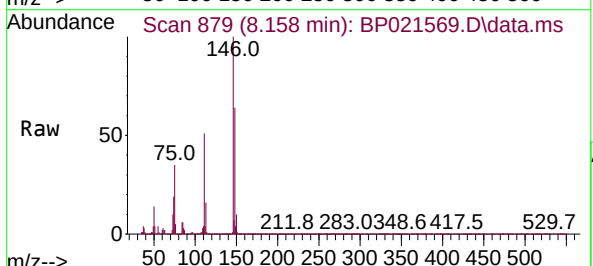
Tgt Ion:146 Resp: 1559102

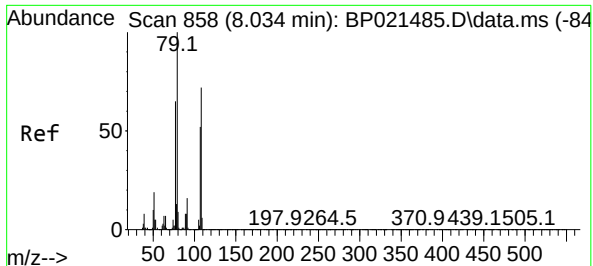
Ion Ratio Lower Upper

146 100

148 64.1 51.5 77.3

111 51.0 41.1 61.7





#15

Benzyl Alcohol

Concen: 46.983 ng

RT: 8.040 min Scan# 80

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion: 79 Resp: 162625

Ion Ratio Lower Upper

79 100

108 77.7 57.9 86.9

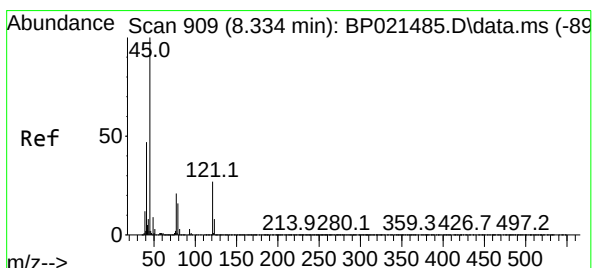
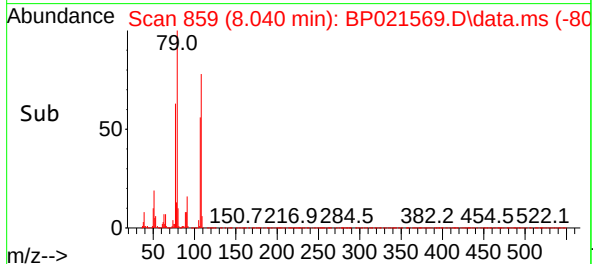
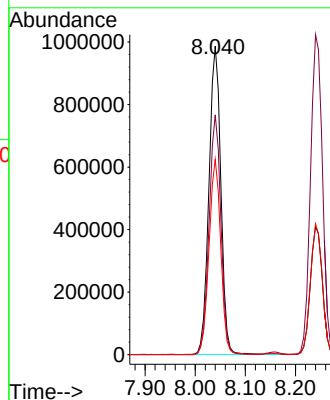
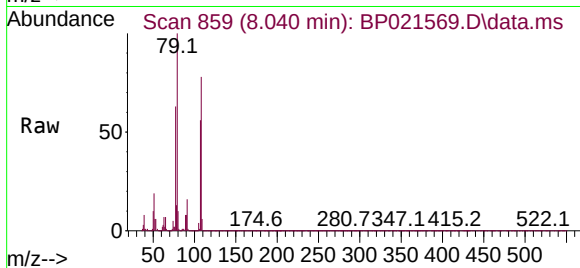
77 63.3 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.324 ng

RT: 8.322 min Scan# 907

Delta R.T. -0.012 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

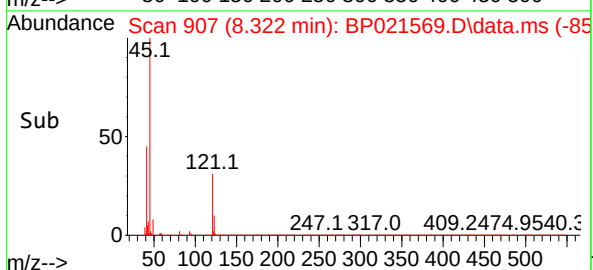
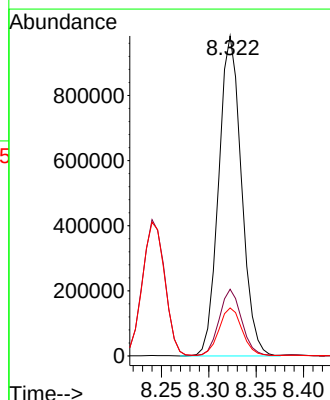
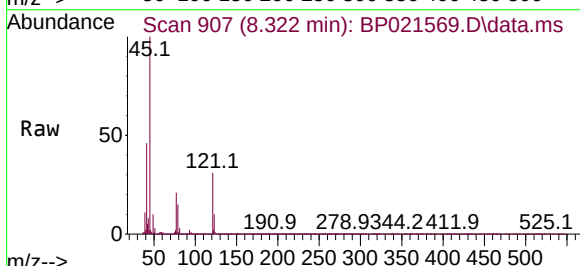
Tgt Ion: 45 Resp: 1647523

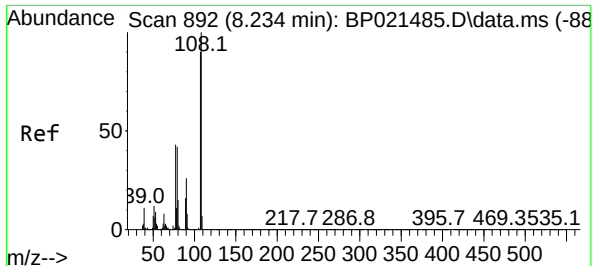
Ion Ratio Lower Upper

45 100

77 20.8 1.9 41.9

79 15.0 0.0 36.6





#17

2-Methylphenol

Concen: 48.658 ng

RT: 8.240 min Scan# 892

Delta R.T. 0.006 min

Lab File: BP021569.D

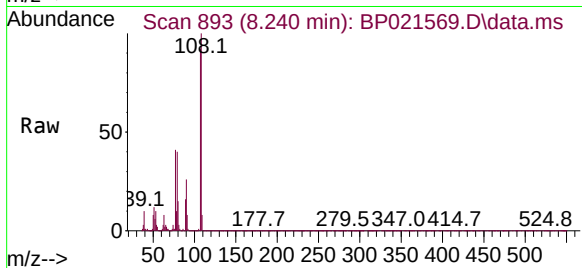
Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD



Tgt Ion:107 Resp: 153665

Ion Ratio Lower Upper

107 100

108 108.9 88.8 133.2

77 44.5 38.7 58.1

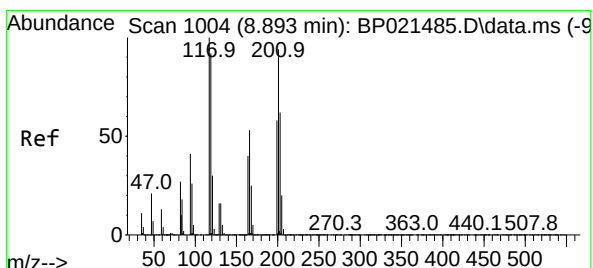
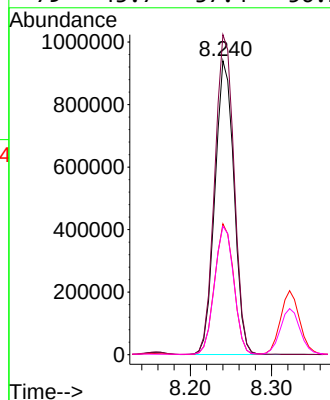
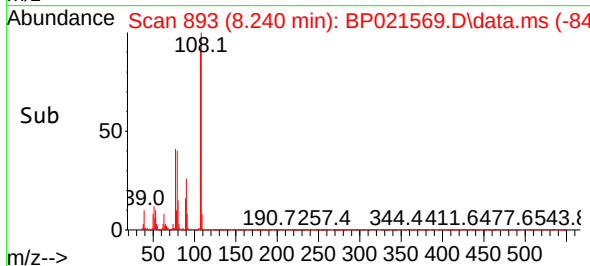
79 43.7 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#18

Hexachloroethane

Concen: 44.883 ng

RT: 8.881 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

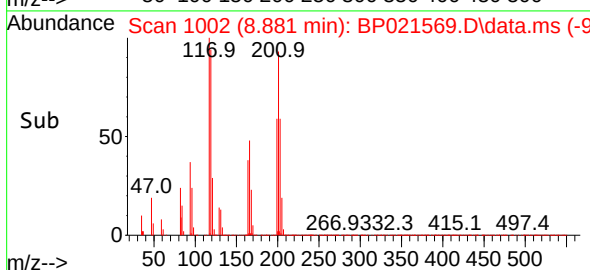
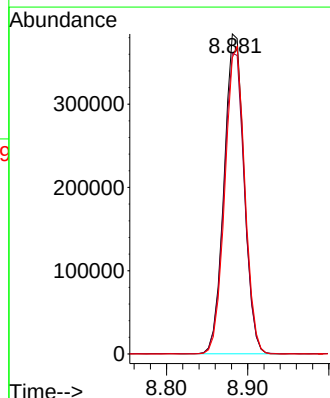
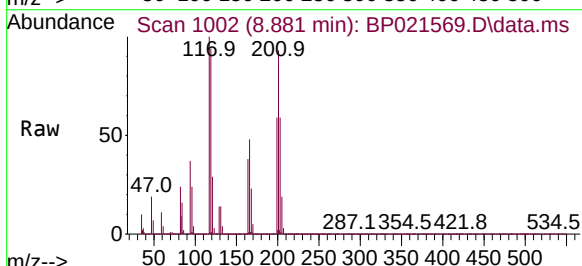
Tgt Ion:117 Resp: 659730

Ion Ratio Lower Upper

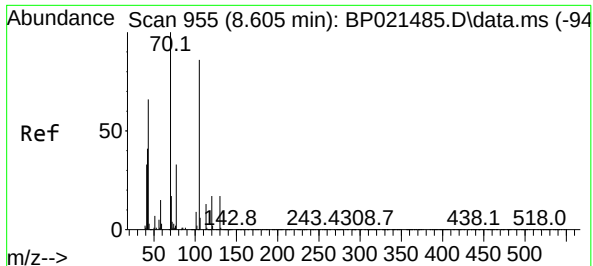
117 100

119 94.0 73.9 110.9

201 92.6 74.9 112.3







#19

n-Nitroso-di-n-propylamine

Concen: 37.490 ng

RT: 8.605 min Scan# 91

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion: 70 Resp: 1249300

Ion Ratio Lower Upper

70 100

42 44.0 33.1 49.7

101 10.9 7.4 11.2

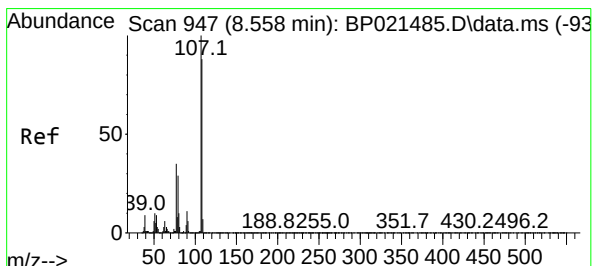
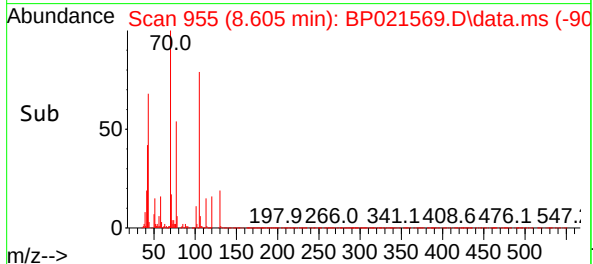
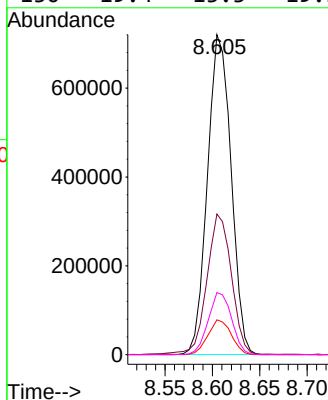
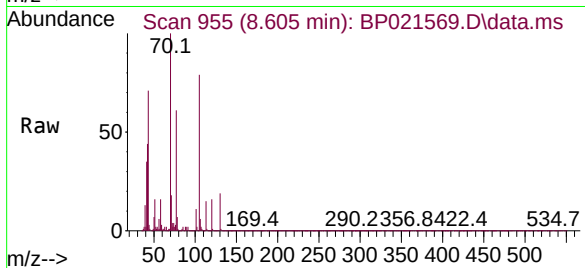
130 19.4 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#20

3+4-Methylphenols

Concen: 50.123 ng

RT: 8.569 min Scan# 949

Delta R.T. 0.012 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Tgt Ion:107 Resp: 2134400

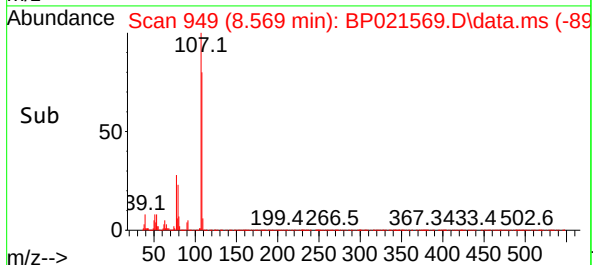
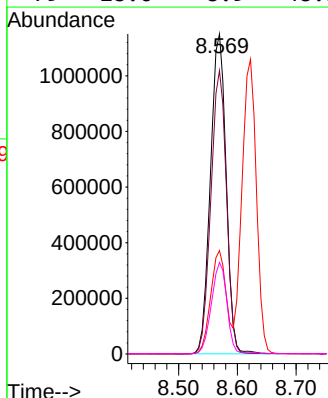
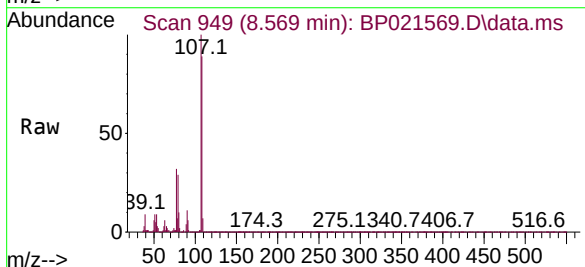
Ion Ratio Lower Upper

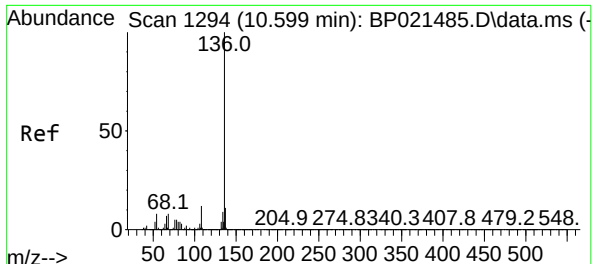
107 100

108 88.5 67.6 107.6

77 32.3 15.0 55.0

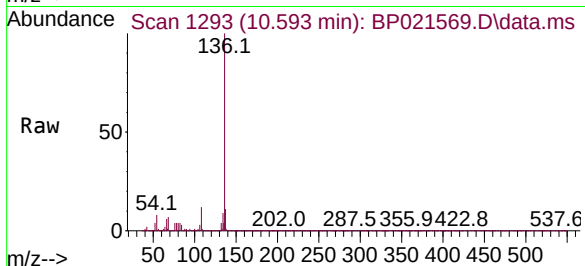
79 28.6 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

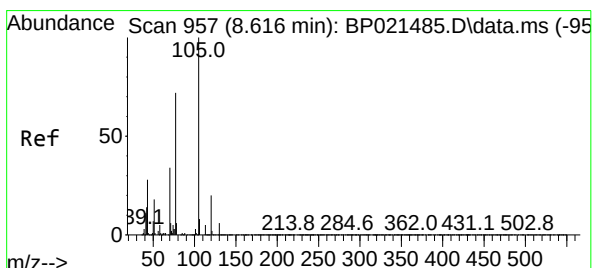
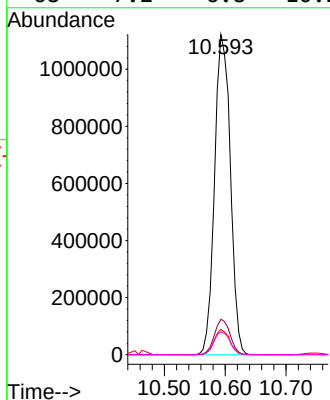
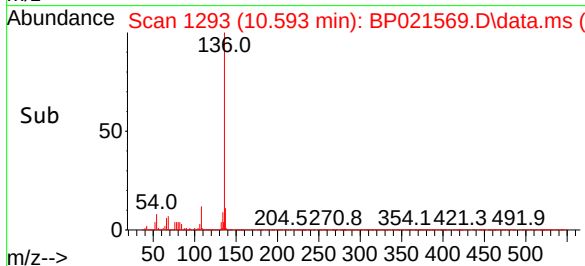
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



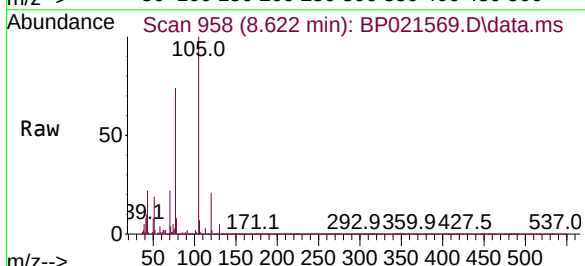
Tgt Ion:136 Resp: 201819  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.9 6.3 9.5  
68 7.2 6.8 10.2

Manual Integrations  
APPROVED

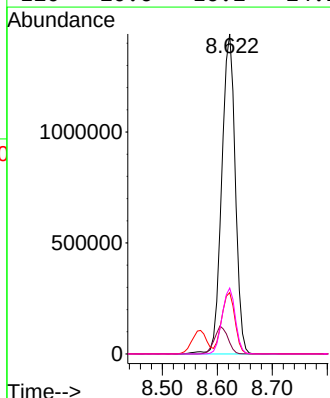
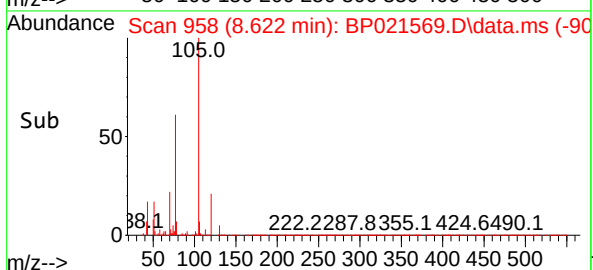
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

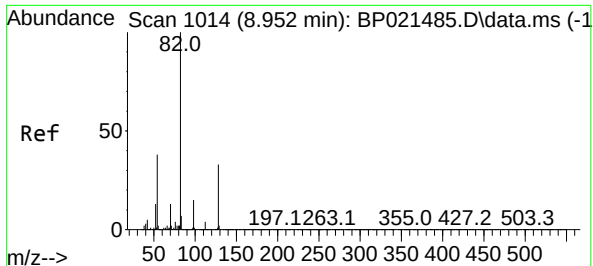


#22  
Acetophenone  
Concen: 39.612 ng  
RT: 8.622 min Scan# 958  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion:105 Resp: 2456033  
Ion Ratio Lower Upper  
105 100  
71 3.5 4.6 7.0#  
51 19.2 16.3 24.5  
120 20.6 16.2 24.2





#23

Nitrobenzene-d5

Concen: 92.973 ng

RT: 8.958 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion: 82 Resp: 3635318

Ion Ratio Lower Upper

82 100

128 38.3 26.5 39.7

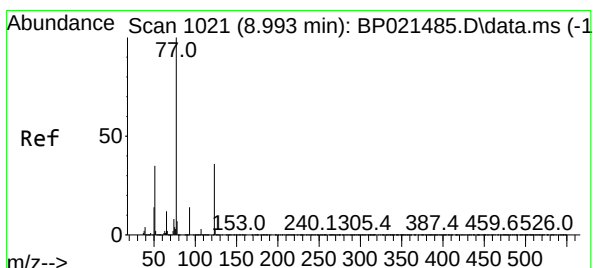
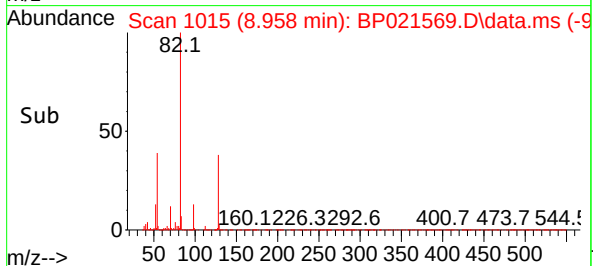
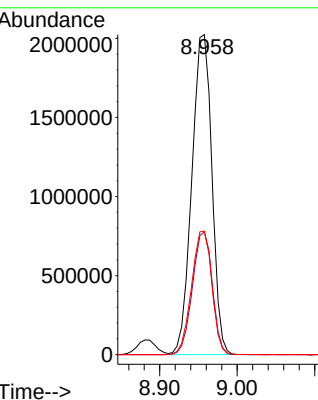
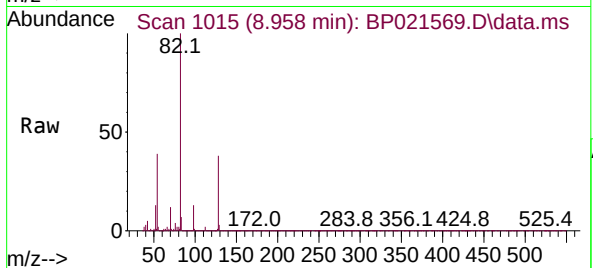
54 38.6 30.3 45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#24

Nitrobenzene

Concen: 44.692 ng

RT: 8.999 min Scan# 1022

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

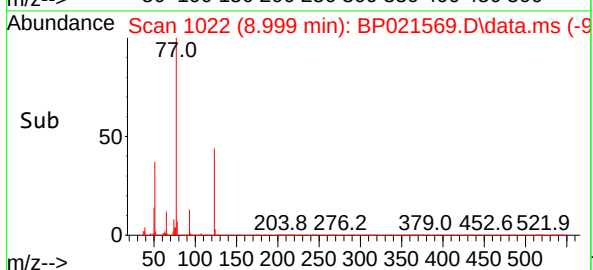
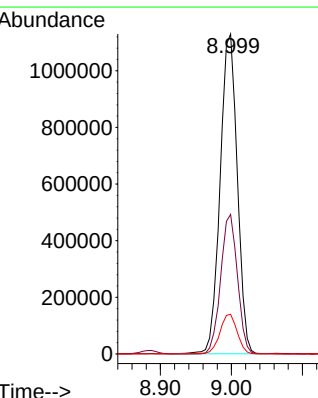
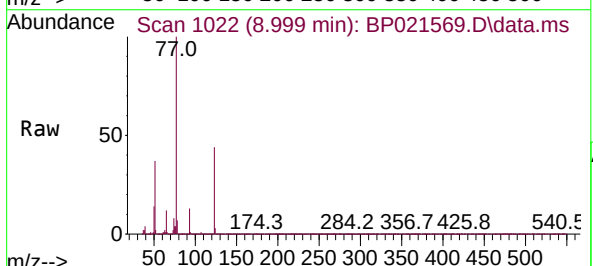
Tgt Ion: 77 Resp: 1897954

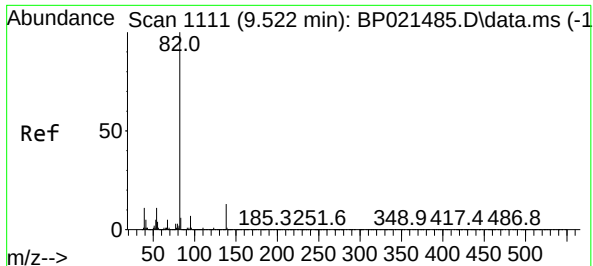
Ion Ratio Lower Upper

77 100

123 43.6 29.5 44.3

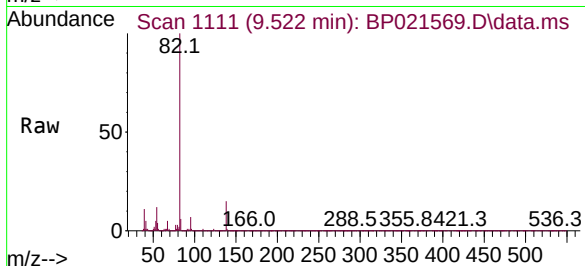
65 12.4 9.9 14.9





#25  
Isophorone  
Concen: 40.161 ng  
RT: 9.522 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

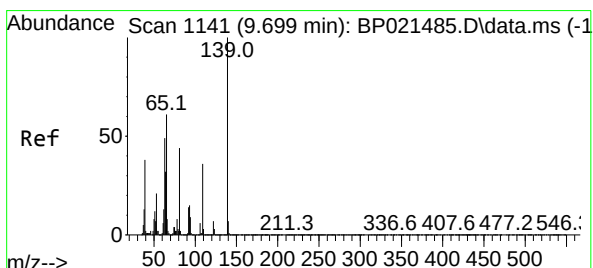
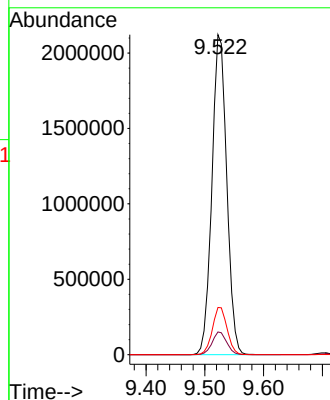
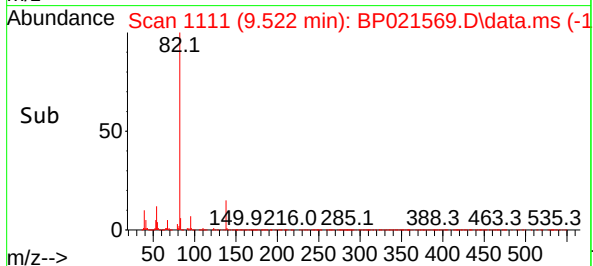
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



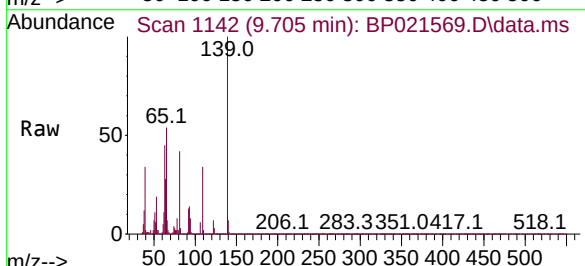
Tgt Ion: 82 Resp: 370985  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.4 8.2  
138 14.8 10.6 16.0

Manual Integrations  
APPROVED

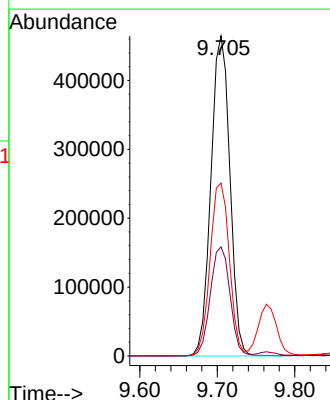
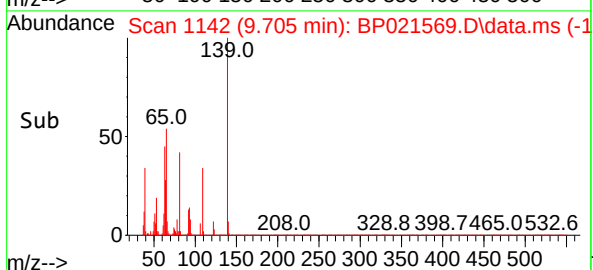
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

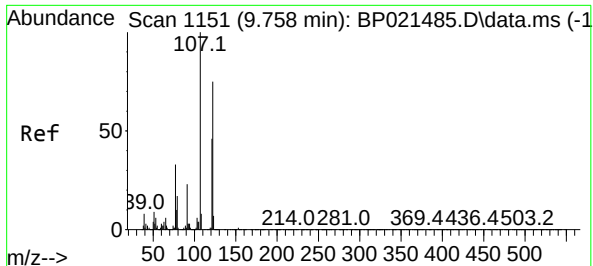


#26  
2-Nitrophenol  
Concen: 63.370 ng  
RT: 9.705 min Scan# 1142  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion:139 Resp: 792325  
Ion Ratio Lower Upper  
139 100  
109 34.1 28.9 43.3  
65 54.1 49.0 73.6





#27

2,4-Dimethylphenol

Concen: 53.222 ng

RT: 9.763 min Scan# 1151

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:122 Resp: 1213284

Ion Ratio Lower Upper

122 100

107 127.8 106.2 159.4

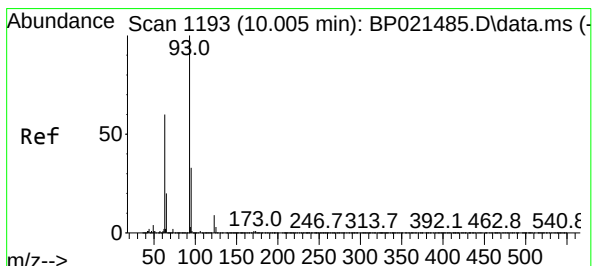
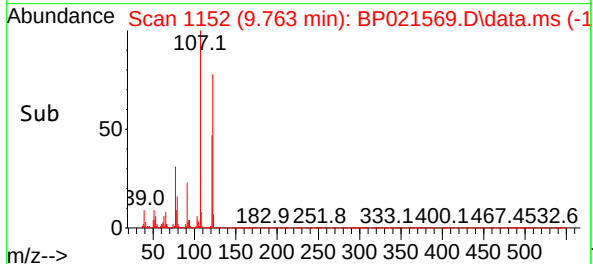
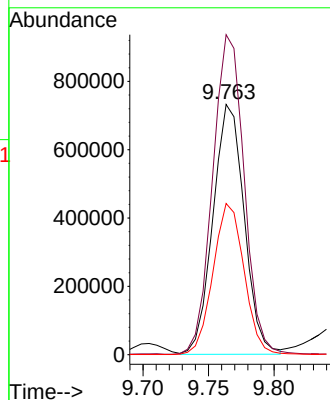
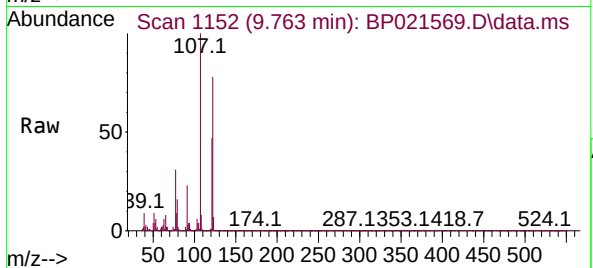
121 60.4 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#28

bis(2-Chloroethoxy)methane

Concen: 41.984 ng

RT: 10.005 min Scan# 1193

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

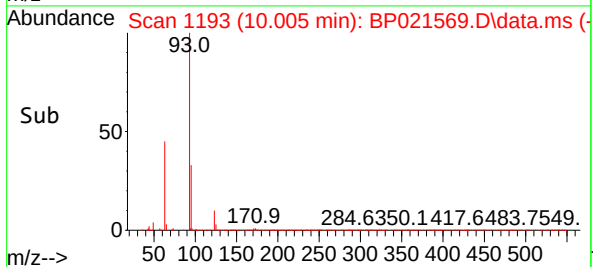
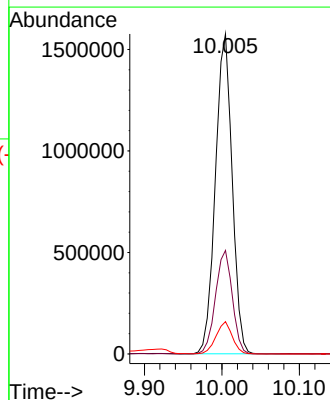
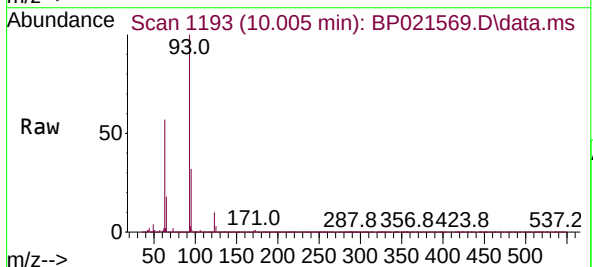
Tgt Ion: 93 Resp: 2367345

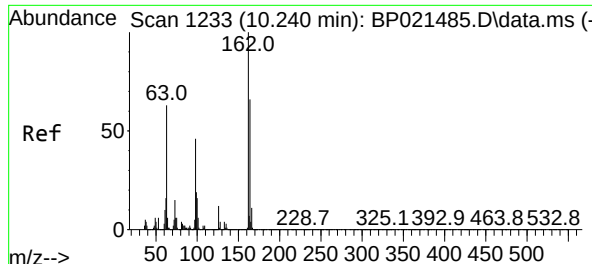
Ion Ratio Lower Upper

93 100

95 32.4 26.2 39.4

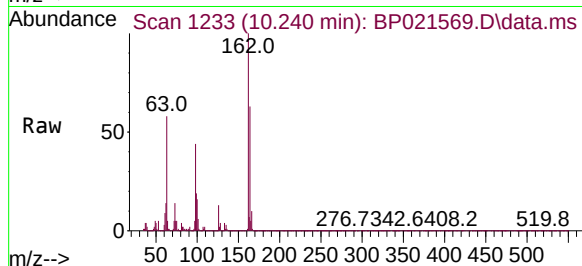
123 10.1 7.6 11.4





#29  
2,4-Dichlorophenol  
Concen: 54.964 ng  
RT: 10.240 min Scan# 1233  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

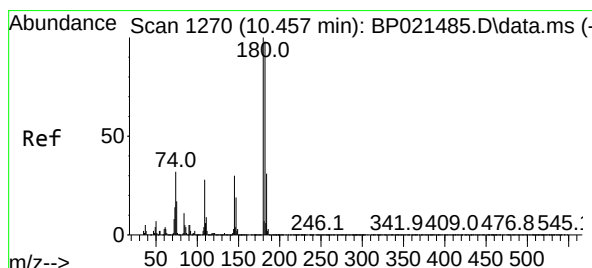
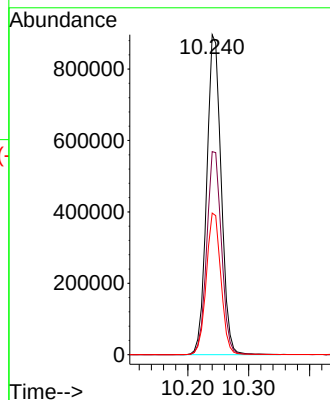
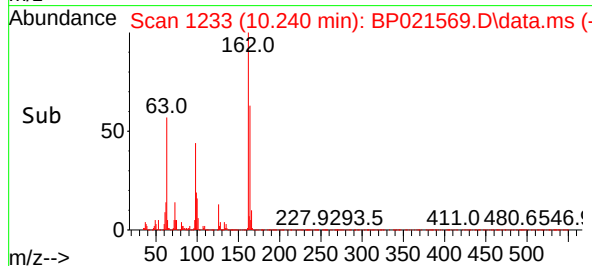
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



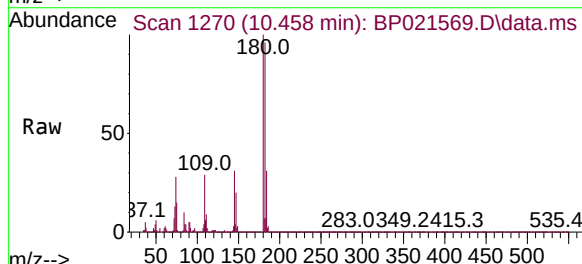
Tgt Ion:162 Resp: 148045  
Ion Ratio Lower Upper  
162 100  
164 63.5 45.9 85.9  
98 44.2 26.3 66.3

Manual Integrations  
APPROVED

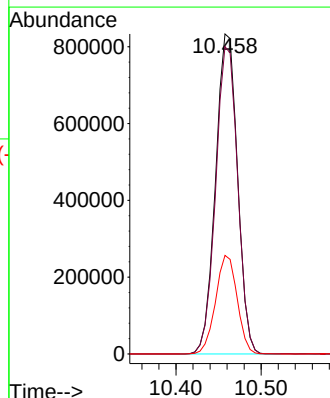
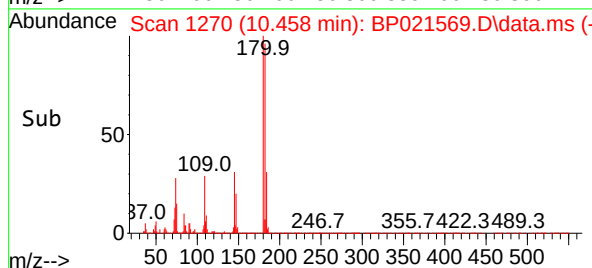
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

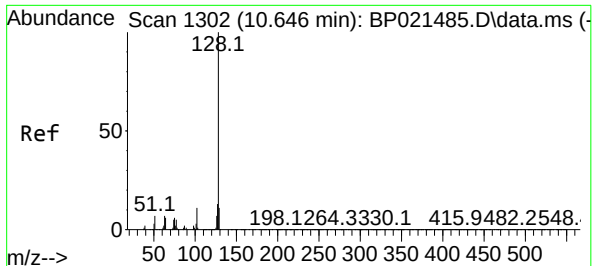


#30  
1,2,4-Trichlorobenzene  
Concen: 43.230 ng  
RT: 10.458 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



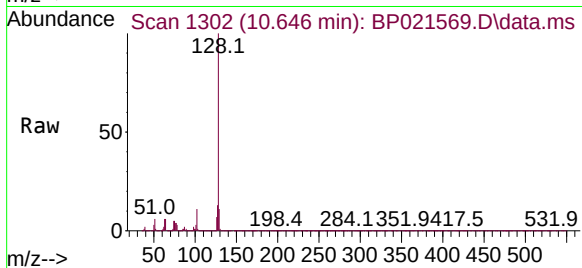
Tgt Ion:180 Resp: 1492819  
Ion Ratio Lower Upper  
180 100  
182 96.1 78.3 117.5  
145 30.8 24.0 36.0





#31  
Naphthalene  
Concen: 43.664 ng  
RT: 10.646 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

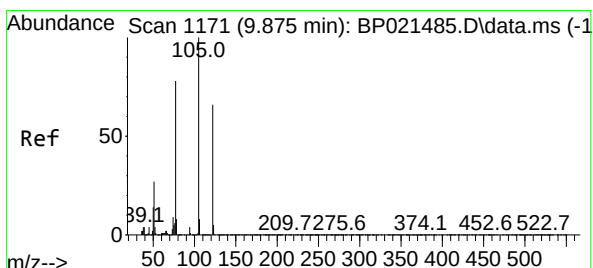
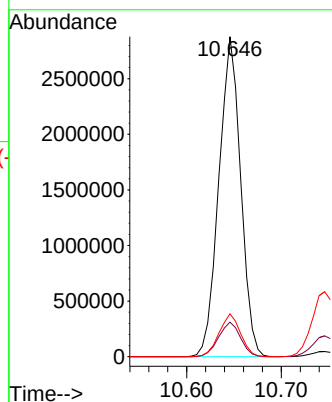
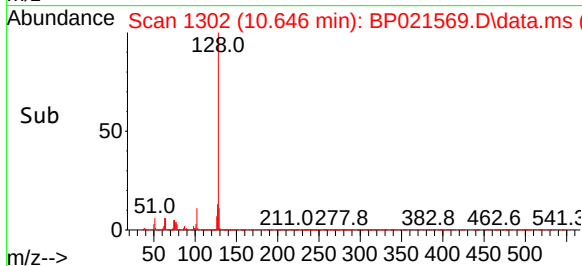
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion:128 Resp: 460351  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 13.4 10.6 15.8

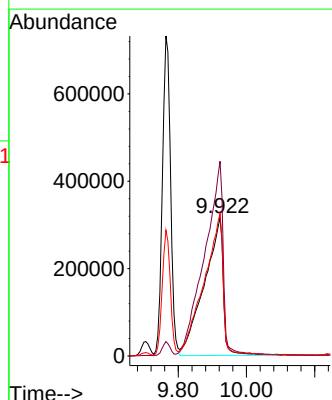
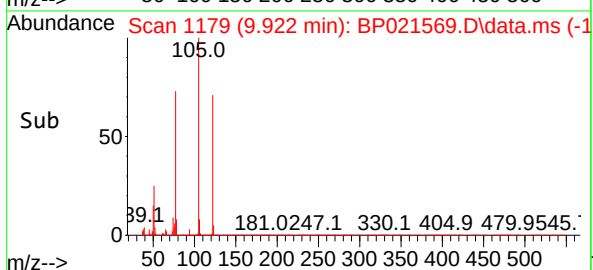
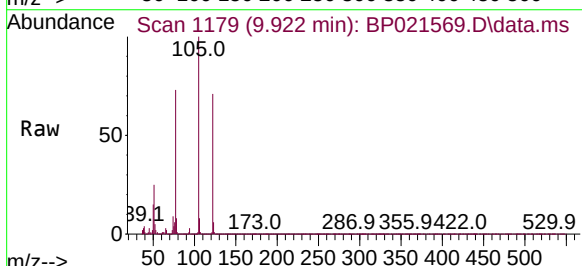
Manual Integrations  
APPROVED

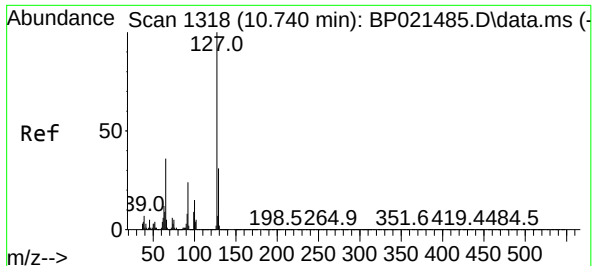
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#32  
Benzoic acid  
Concen: 69.039 ng  
RT: 9.922 min Scan# 1179  
Delta R.T. 0.047 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

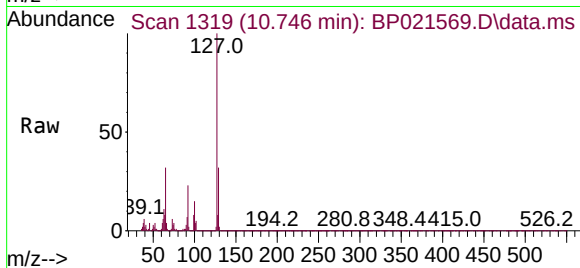
Tgt Ion:122 Resp: 1217860  
Ion Ratio Lower Upper  
122 100  
105 140.9 124.6 164.6  
77 103.1 96.2 136.2





#33  
4-Chloroaniline  
Concen: 28.262 ng  
RT: 10.746 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

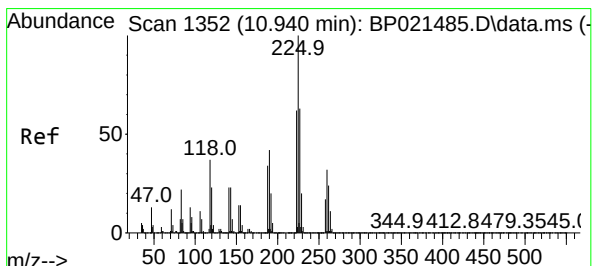
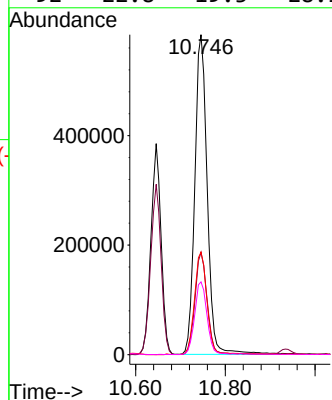
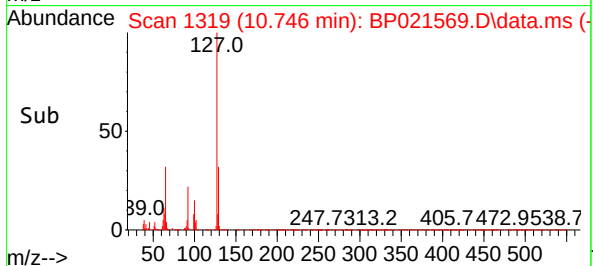
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



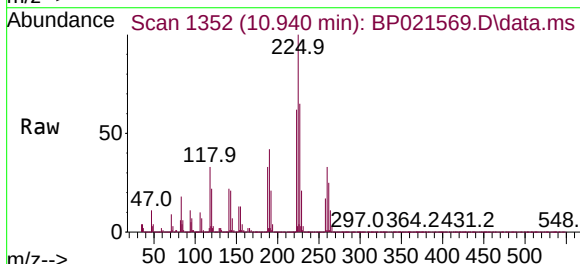
Tgt Ion:127 Resp: 111927  
Ion Ratio Lower Upper  
127 100  
129 31.9 24.5 36.7  
65 32.1 28.9 43.3  
92 22.8 19.3 28.9

Manual Integrations  
APPROVED

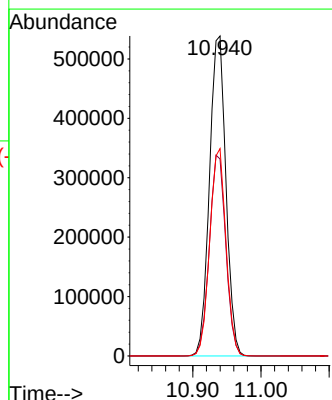
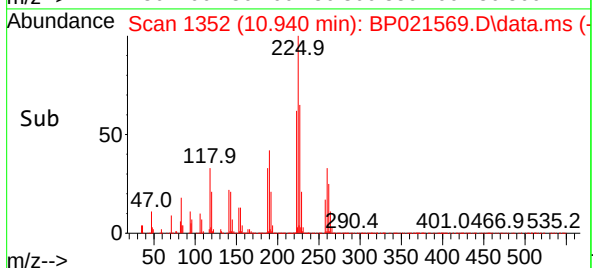
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



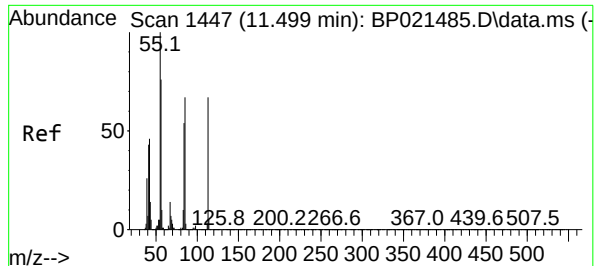
#34  
Hexachlorobutadiene  
Concen: 41.569 ng  
RT: 10.940 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion:225 Resp: 903824  
Ion Ratio Lower Upper  
225 100  
223 61.6 49.6 74.4  
227 64.8 50.1 75.1







#35

Caprolactam

Concen: 50.518 ng m

RT: 11.540 min Scan# 14

Delta R.T. 0.041 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:113 Resp: 566372

Ion Ratio Lower Upper

113 100

55 135.5 130.6 170.6

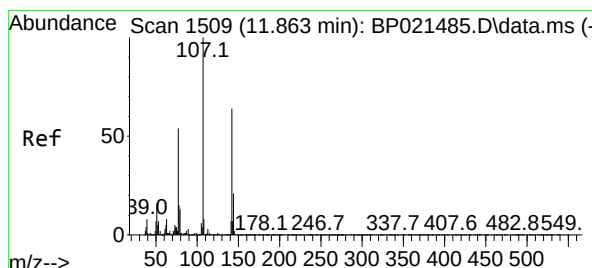
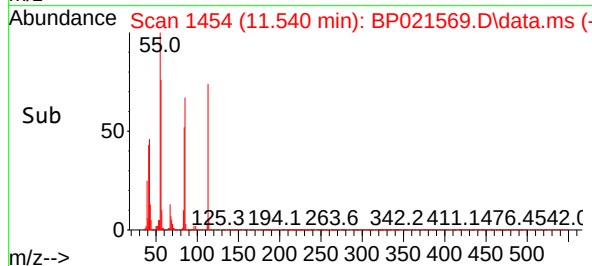
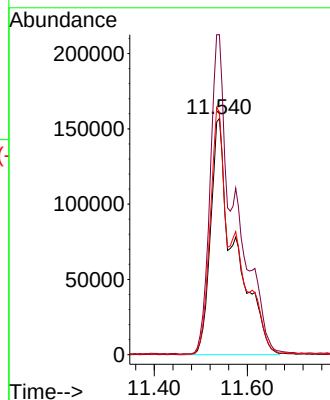
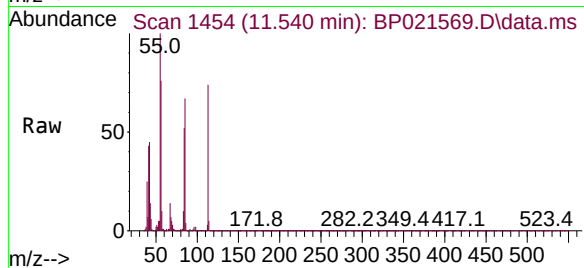
56 102.6 94.6 134.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#36

4-Chloro-3-methylphenol

Concen: 52.252 ng

RT: 11.881 min Scan# 1512

Delta R.T. 0.018 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

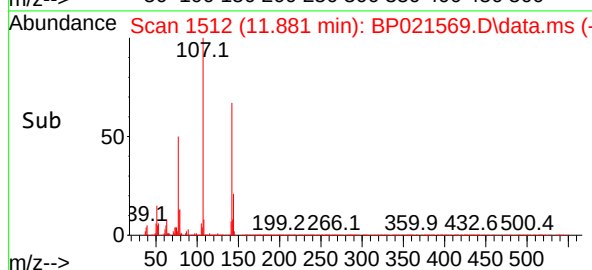
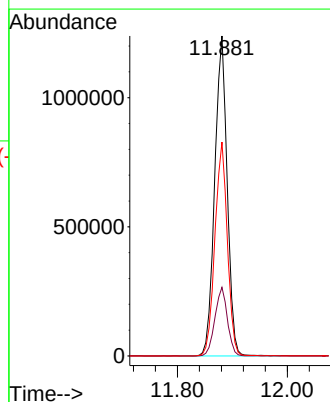
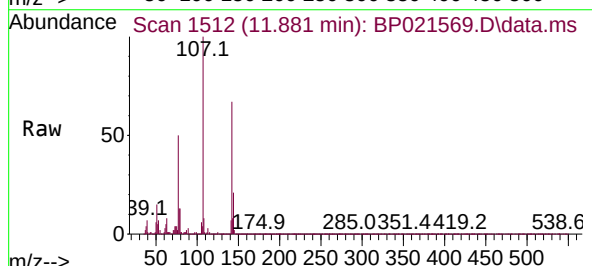
Tgt Ion:107 Resp: 1952285

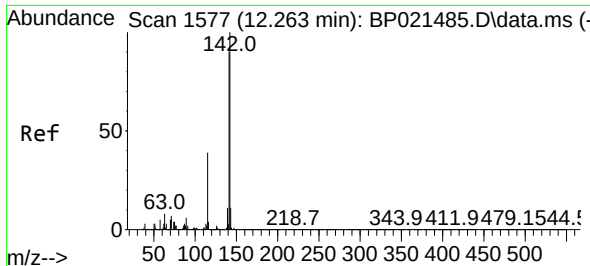
Ion Ratio Lower Upper

107 100

144 21.5 16.6 24.8

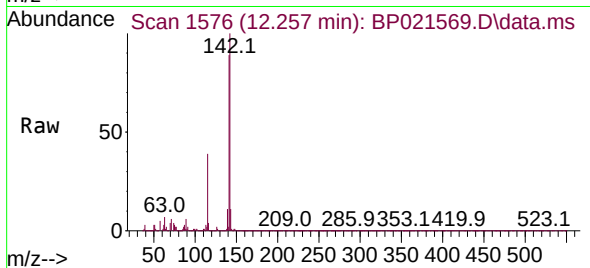
142 66.8 51.0 76.4





#37  
2-Methylnaphthalene  
Concen: 44.238 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

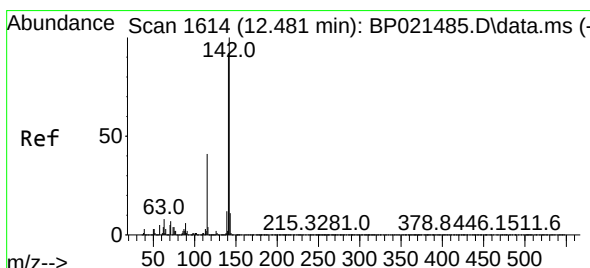
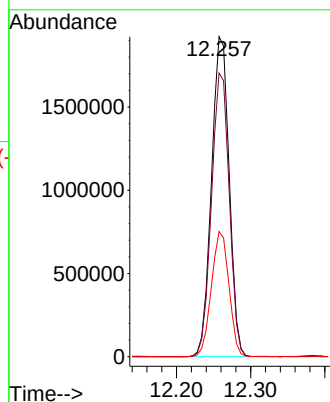
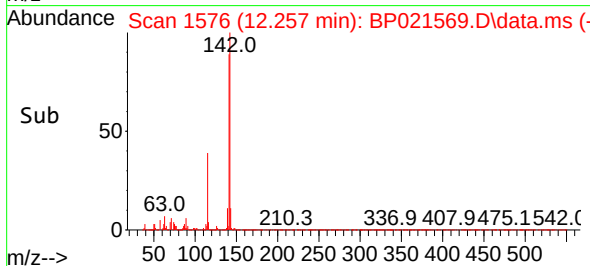
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



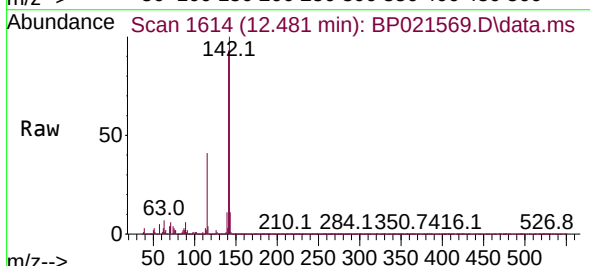
Tgt Ion:142 Resp: 3183184  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.7 107.5  
115 39.1 31.4 47.2

Manual Integrations  
APPROVED

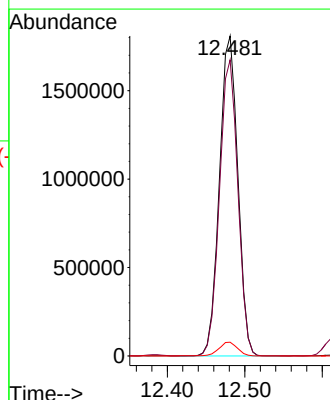
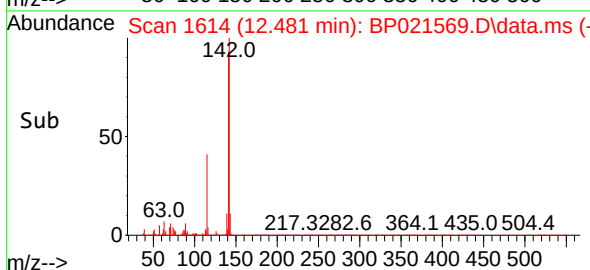
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

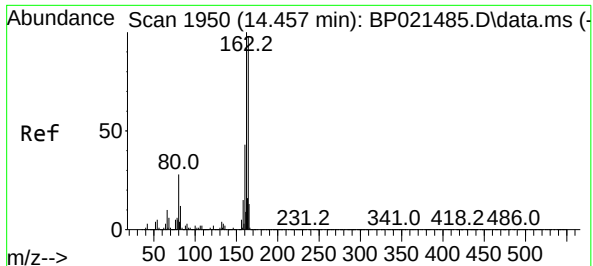


#38  
1-Methylnaphthalene  
Concen: 42.027 ng  
RT: 12.481 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



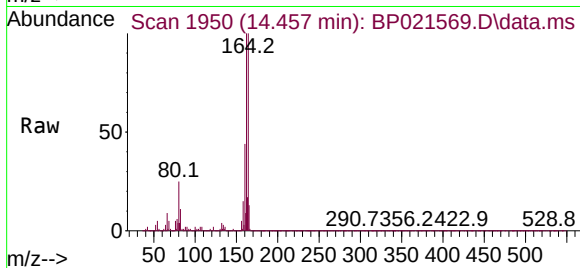
Tgt Ion:142 Resp: 2982545  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.5 110.3  
116 4.3 3.4 5.2





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.457 min Scan# 1950  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

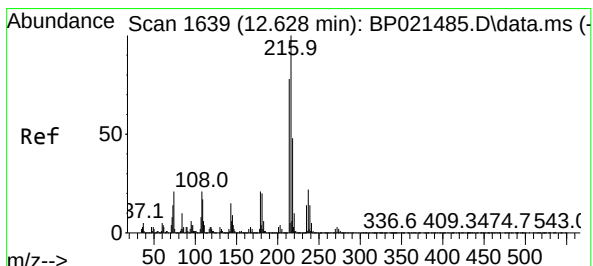
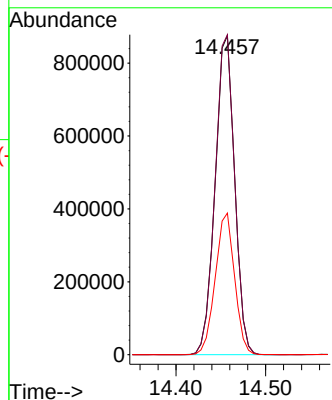
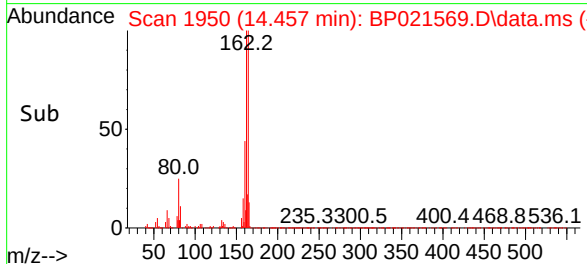
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



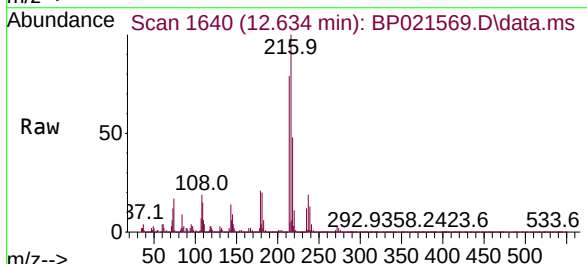
Tgt Ion:164 Resp: 1318739  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.5 122.3  
160 44.4 35.2 52.8

Manual Integrations  
APPROVED

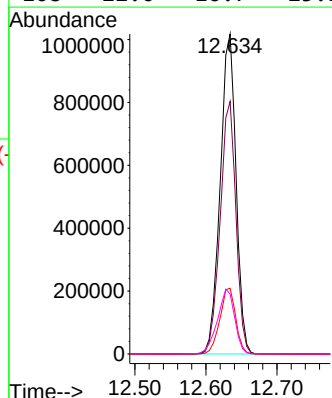
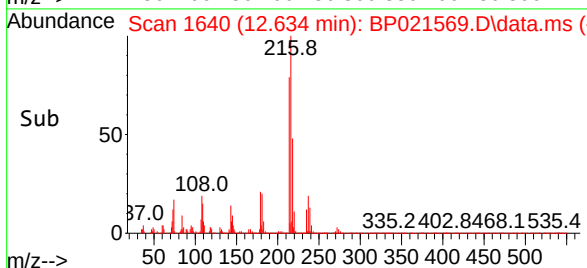
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

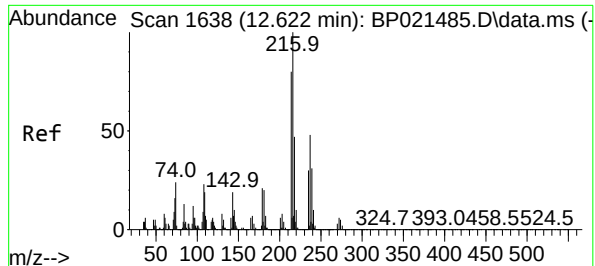


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.541 ng  
RT: 12.634 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



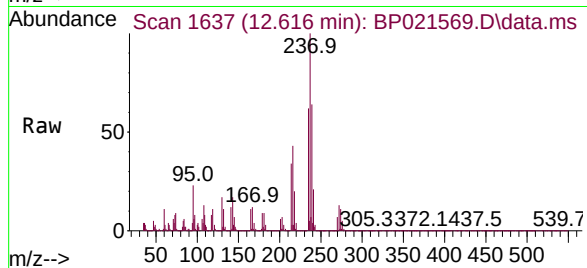
Tgt Ion:216 Resp: 1566485  
Ion Ratio Lower Upper  
216 100  
214 78.6 62.5 93.7  
179 20.6 16.4 24.6  
108 22.0 16.7 25.1





#41  
Hexachlorocyclopentadiene  
Concen: 113.798 ng  
RT: 12.616 min Scan# 1637  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

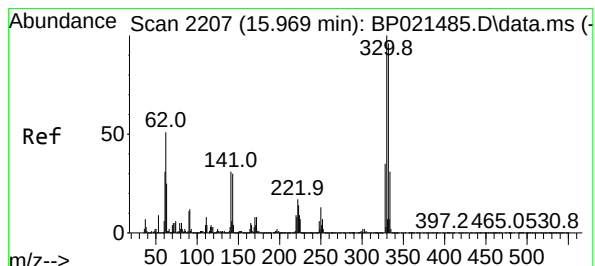
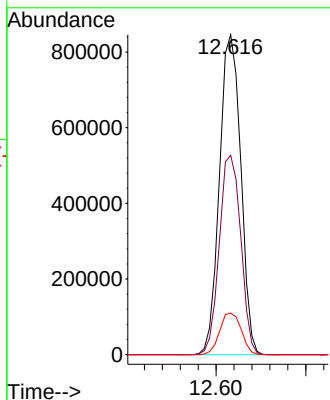
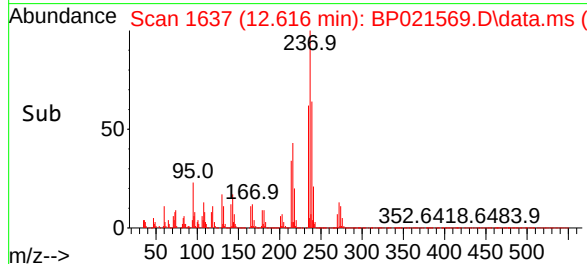
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



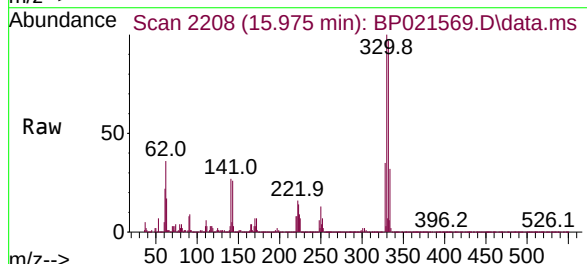
Tgt Ion: 237 Resp: 139359  
Ion Ratio Lower Upper  
237 100  
235 62.3 43.9 83.9  
272 13.0 0.0 33.3

Manual Integrations  
APPROVED

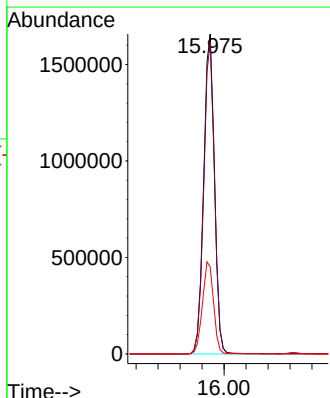
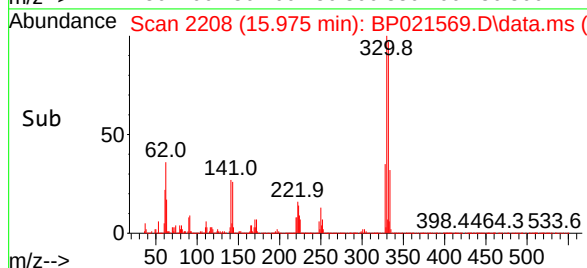
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

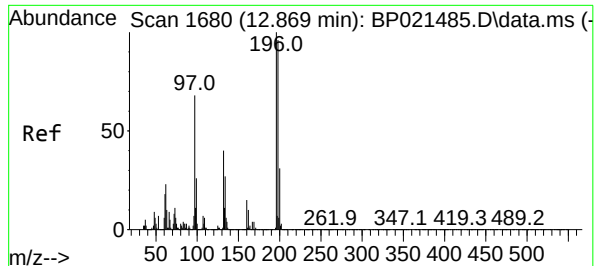


#42  
2,4,6-Tribromophenol  
Concen: 153.843 ng  
RT: 15.975 min Scan# 2208  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion: 330 Resp: 2257963  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.4 116.0  
141 29.7 24.5 36.7





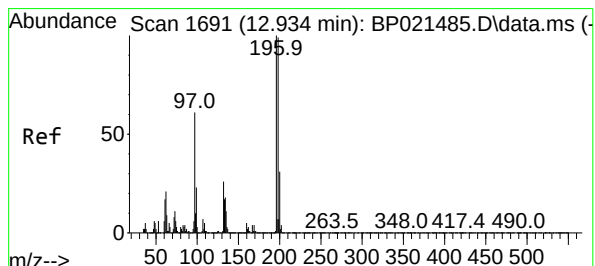
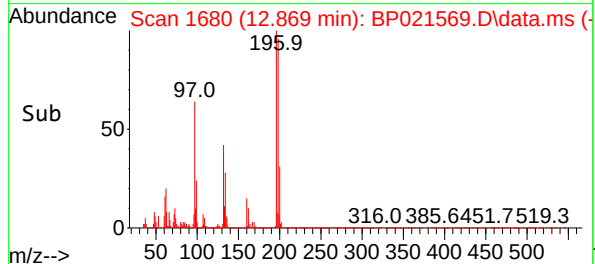
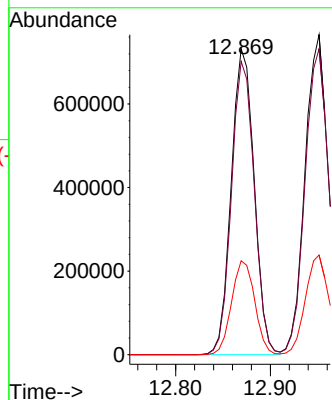
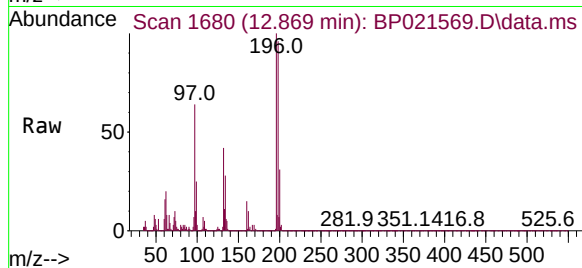
#43  
2,4,6-Trichlorophenol  
Concen: 57.393 ng  
RT: 12.869 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD

Tgt Ion:196 Resp: 1231858  
Ion Ratio Lower Upper  
196 100  
198 95.9 76.6 114.8  
200 30.7 24.5 36.7

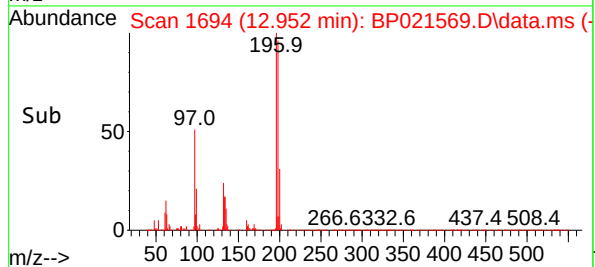
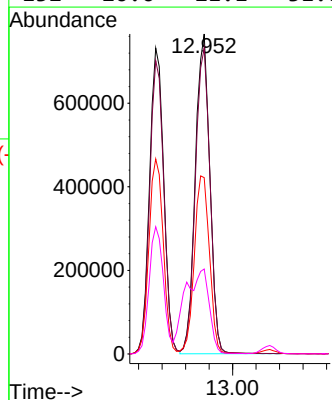
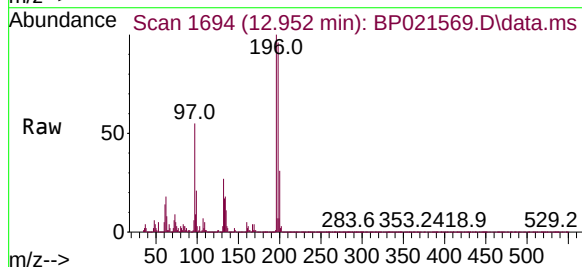
Manual Integrations  
APPROVED

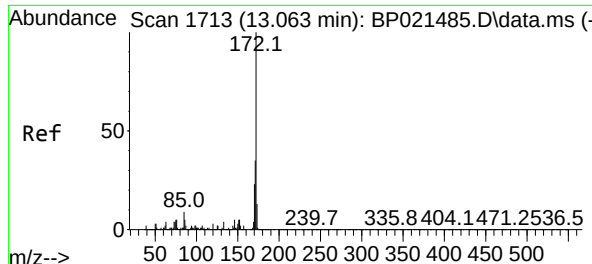
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#44  
2,4,5-Trichlorophenol  
Concen: 55.163 ng  
RT: 12.952 min Scan# 1694  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:196 Resp: 1315468  
Ion Ratio Lower Upper  
196 100  
198 95.6 78.9 118.3  
97 55.1 49.4 74.0  
132 26.6 21.1 31.7





#45

2-Fluorobiphenyl

Concen: 80.212 ng

RT: 13.063 min Scan# 1713

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:172 Resp: 693107

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

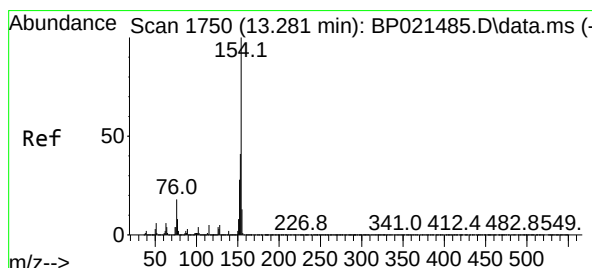
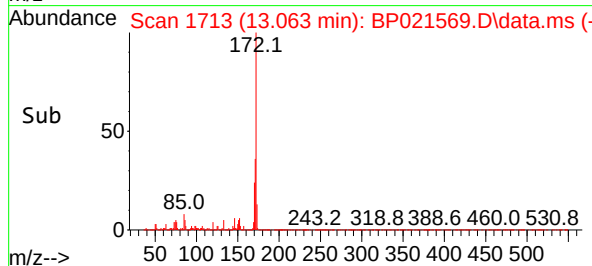
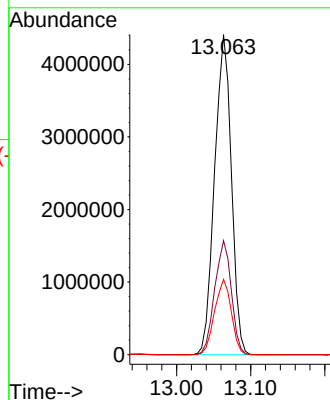
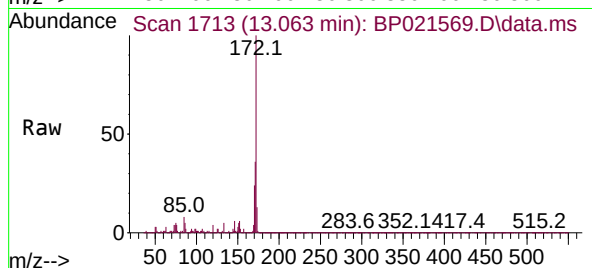
170 23.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#46

1,1'-Biphenyl

Concen: 40.481 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

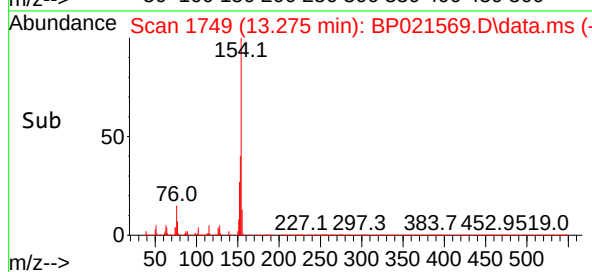
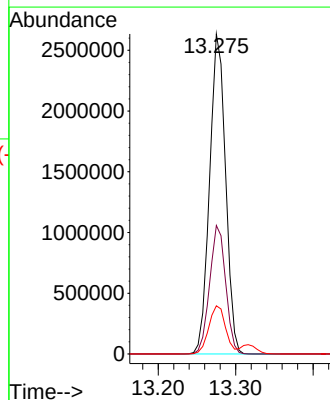
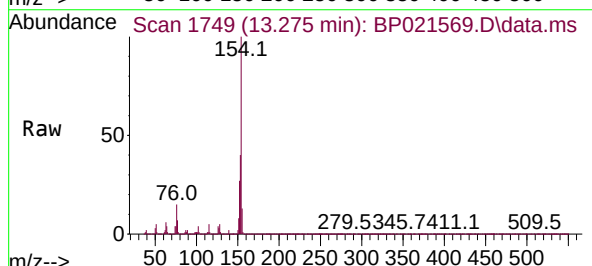
Tgt Ion:154 Resp: 3776973

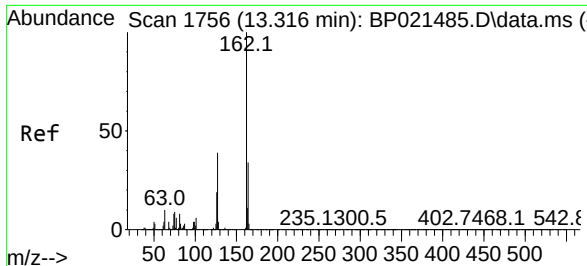
Ion Ratio Lower Upper

154 100

153 40.1 20.7 60.7

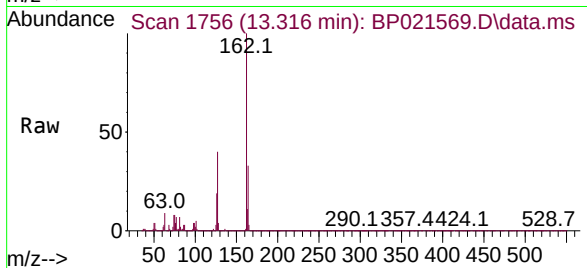
76 15.0 0.0 37.7





#47  
2-Chloronaphthalene  
Concen: 43.854 ng  
RT: 13.316 min Scan# 1756  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

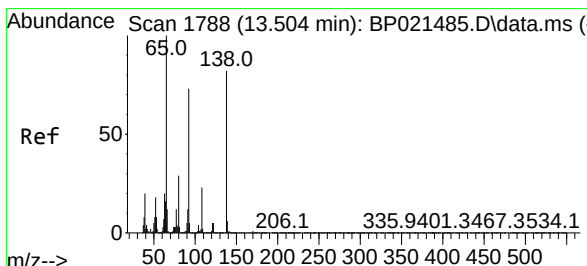
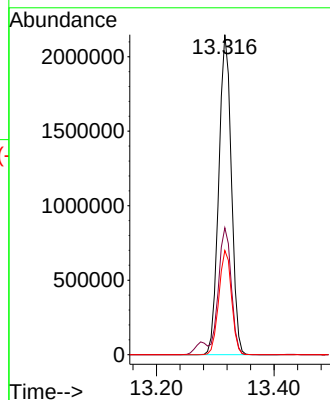
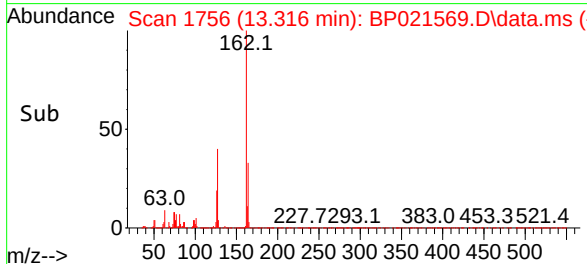
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



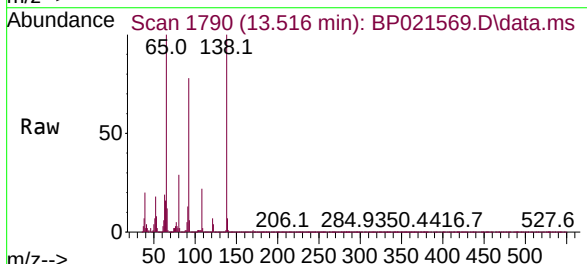
Tgt Ion: 162 Resp: 318553  
Ion Ratio Lower Upper  
162 100  
127 39.7 31.9 47.9  
164 32.6 26.8 40.2

Manual Integrations  
APPROVED

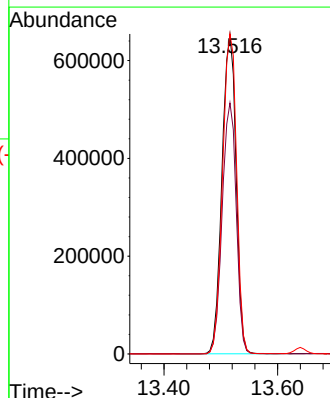
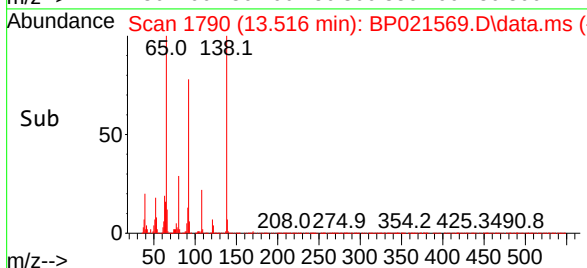
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

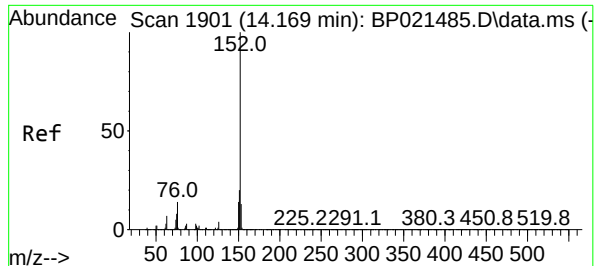


#48  
2-Nitroaniline  
Concen: 54.530 ng  
RT: 13.516 min Scan# 1790  
Delta R.T. 0.012 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion: 65 Resp: 1126118  
Ion Ratio Lower Upper  
65 100  
92 78.6 58.1 87.1  
138 100.2 65.5 98.3#





#49

Acenaphthylene

Concen: 49.407 ng

RT: 14.175 min Scan# 1901

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:152 Resp: 527584

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

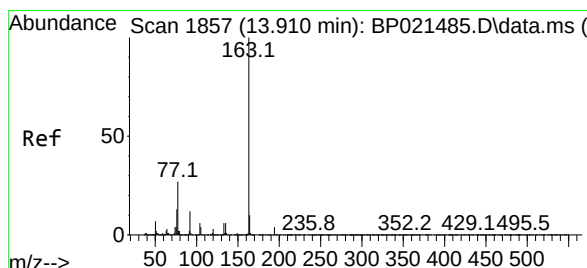
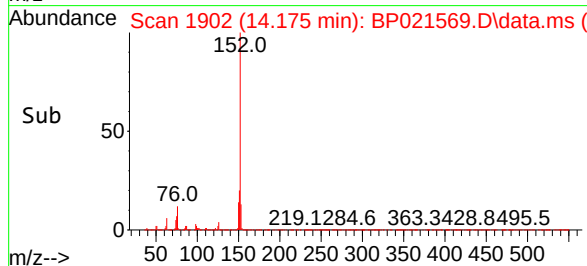
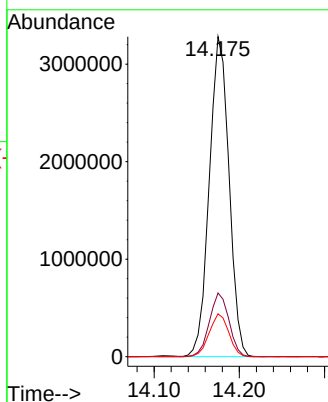
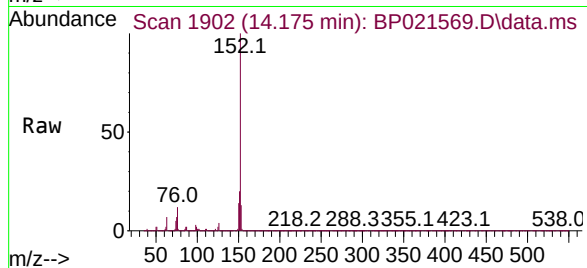
153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#50

Dimethylphthalate

Concen: 47.933 ng

RT: 13.910 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

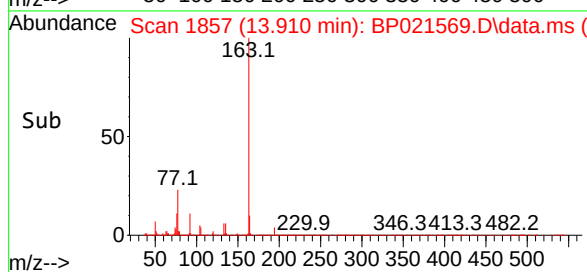
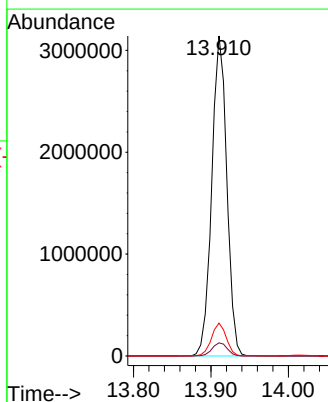
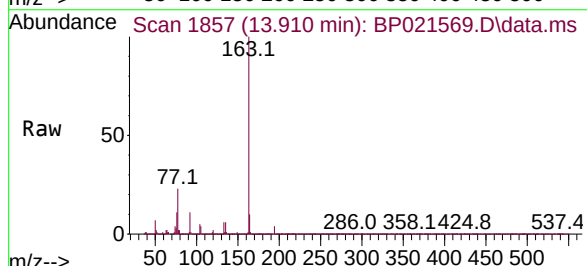
Tgt Ion:163 Resp: 4233153

Ion Ratio Lower Upper

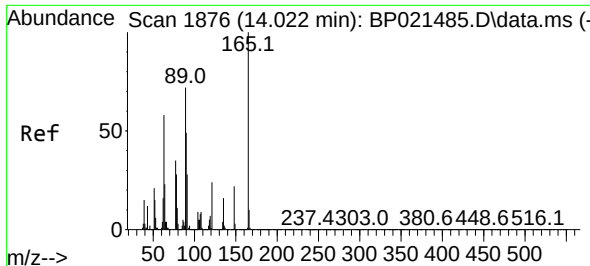
163 100

194 4.1 3.3 4.9

164 10.2 8.3 12.5







#51  
2,6-Dinitrotoluene  
Concen: 52.381 ng  
RT: 14.016 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

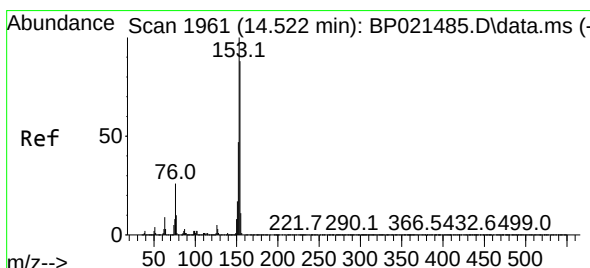
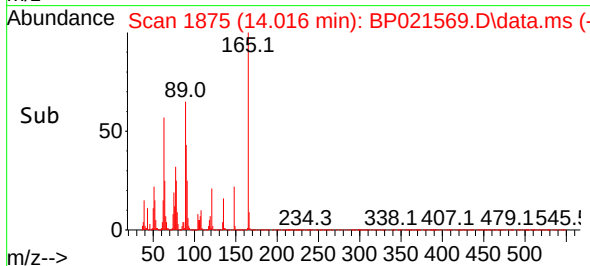
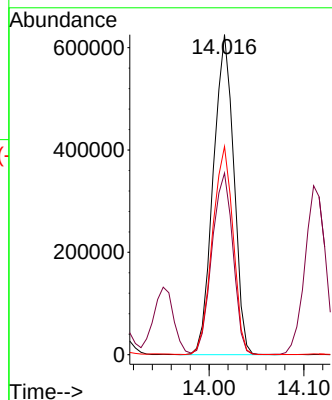
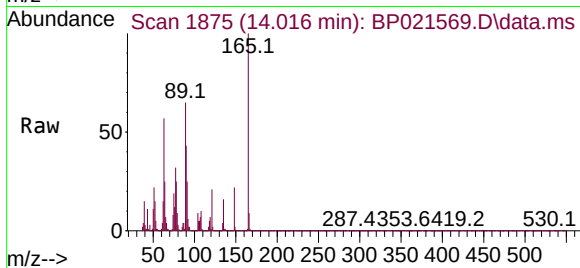
ClientSampleId :

PB162822BSD

Tgt Ion:165 Resp: 94035  
Ion Ratio Lower Upper  
165 100  
63 56.8 51.5 77.3  
89 65.1 57.8 86.8

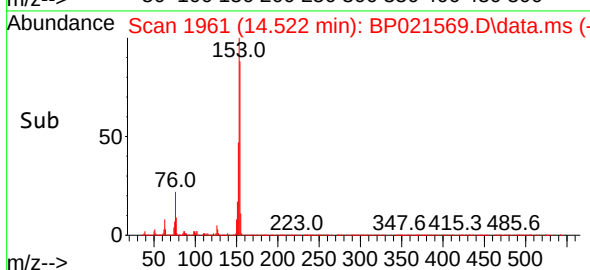
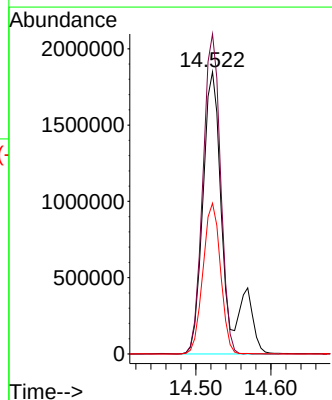
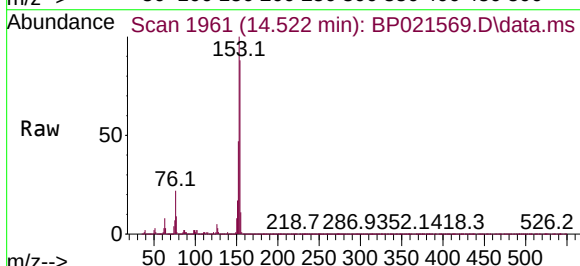
Manual Integrations  
APPROVED

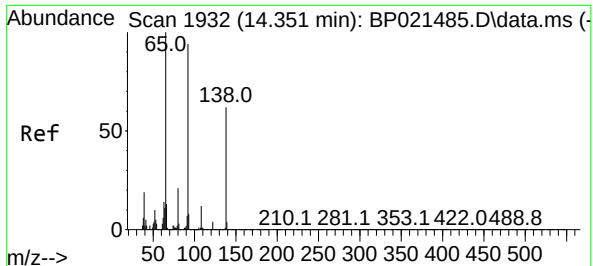
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#52  
Acenaphthene  
Concen: 51.401 ng m  
RT: 14.522 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:154 Resp: 3601366  
Ion Ratio Lower Upper  
154 100  
153 113.4 91.1 136.7  
152 53.4 43.0 64.4





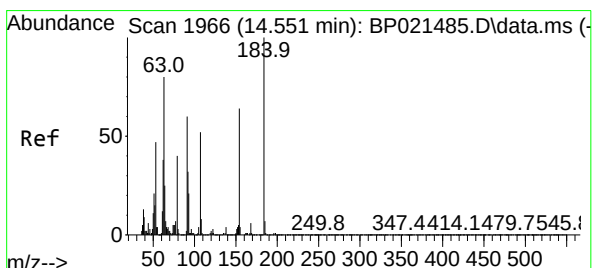
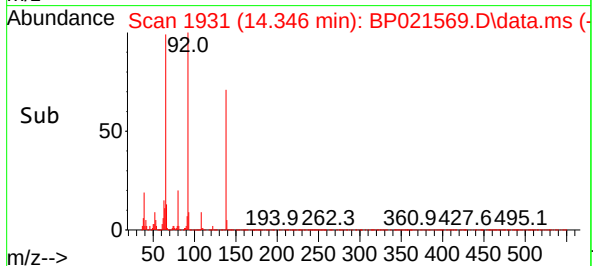
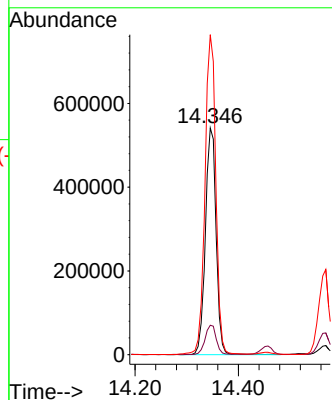
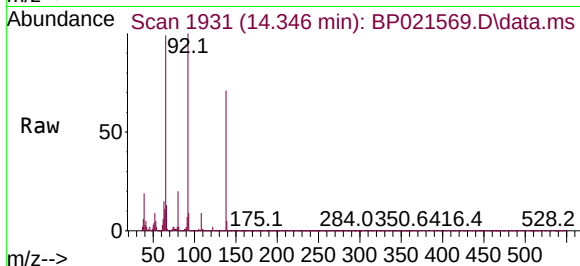
#53  
3-Nitroaniline  
Concen: 44.582 ng  
RT: 14.346 min Scan# 1932  
Delta R.T. -0.005 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD

Tgt Ion:138 Resp: 775492  
Ion Ratio Lower Upper  
138 100  
108 13.0 16.2 24.4  
92 141.1 122.2 183.4

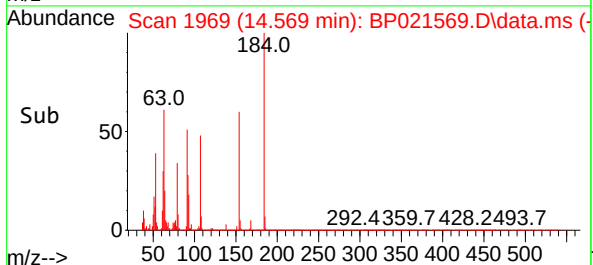
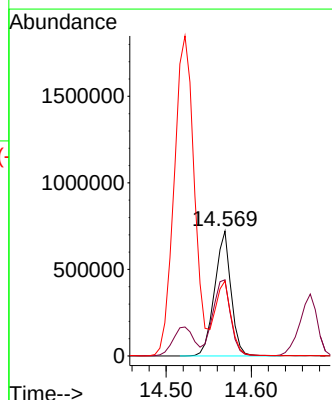
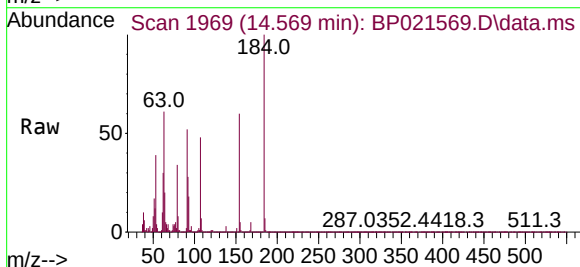
Manual Integrations  
APPROVED

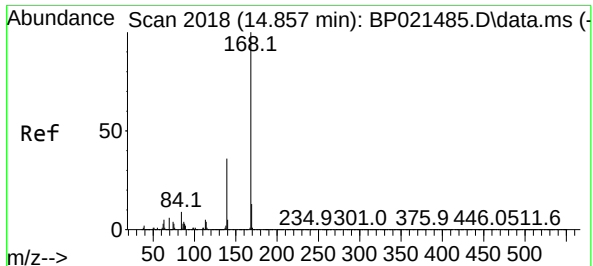
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#54  
2,4-Dinitrophenol  
Concen: 121.666 ng  
RT: 14.569 min Scan# 1969  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

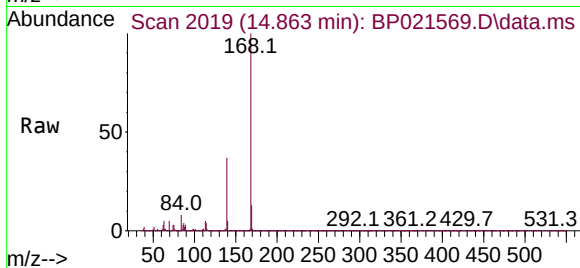
Tgt Ion:184 Resp: 965462  
Ion Ratio Lower Upper  
184 100  
63 61.1 64.9 97.3  
154 60.2 52.1 78.1





#55  
Dibenzenofuran  
Concen: 46.284 ng  
RT: 14.863 min Scan# 2018  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

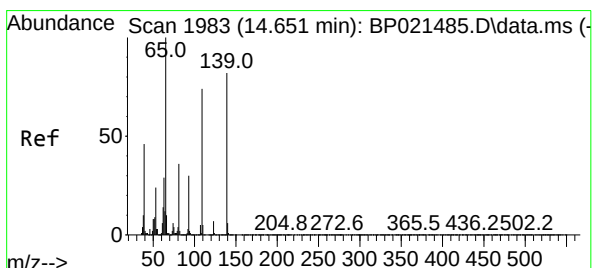
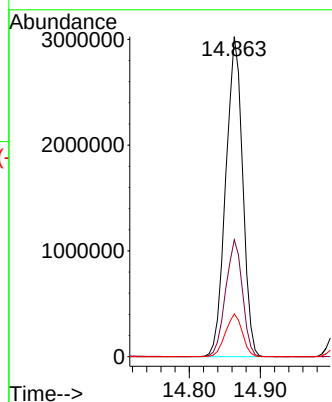
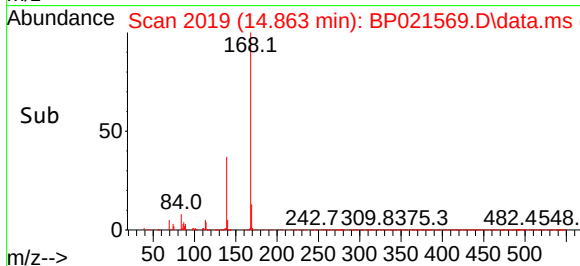
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



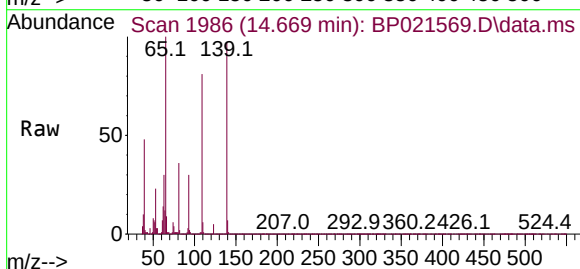
Tgt Ion:168 Resp: 4988509  
Ion Ratio Lower Upper  
168 100  
139 36.5 28.6 43.0  
169 13.4 10.6 16.0

Manual Integrations  
APPROVED

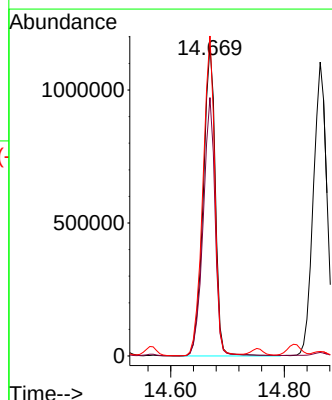
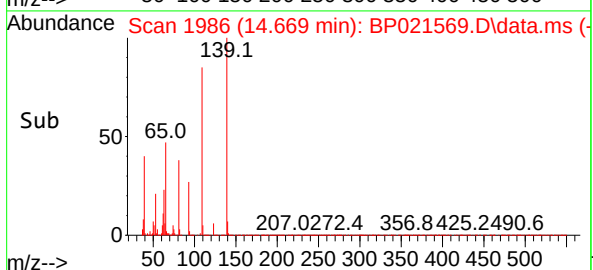
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

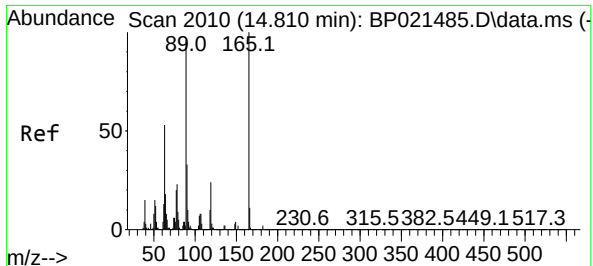


#56  
4-Nitrophenol  
Concen: 114.676 ng  
RT: 14.669 min Scan# 1986  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



Tgt Ion:139 Resp: 1714088  
Ion Ratio Lower Upper  
139 100  
109 83.3 70.2 110.2  
65 103.2 101.8 141.8





#57

2,4-Dinitrotoluene

Concen: 57.774 ng

RT: 14.816 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:165 Resp: 133511

Ion Ratio Lower Upper

165 100

63 45.7 42.5 63.7

89 84.4 77.1 115.7

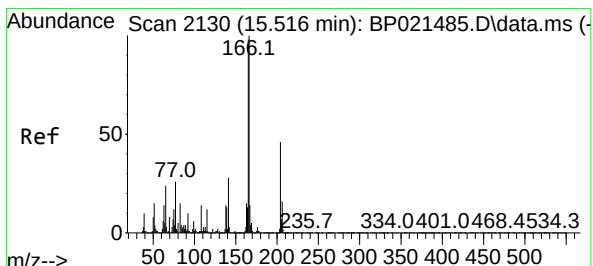
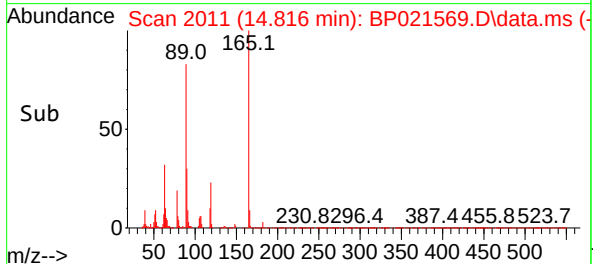
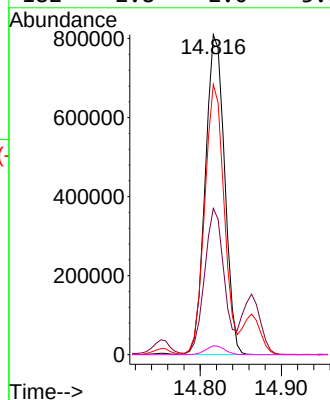
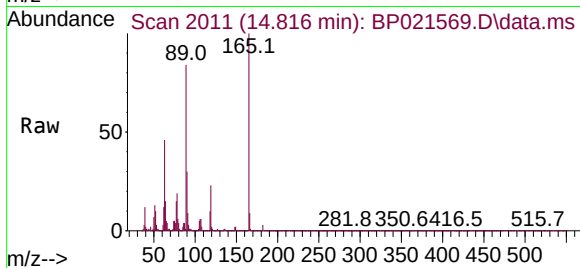
182 2.8 2.0 3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#58

Fluorene

Concen: 43.641 ng

RT: 15.528 min Scan# 2132

Delta R.T. 0.012 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

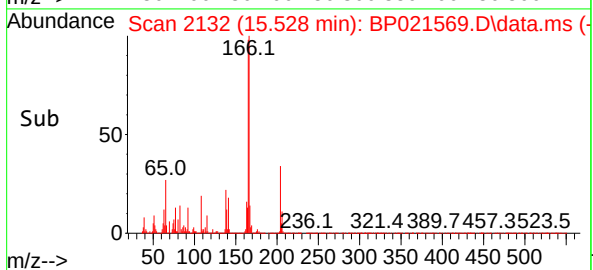
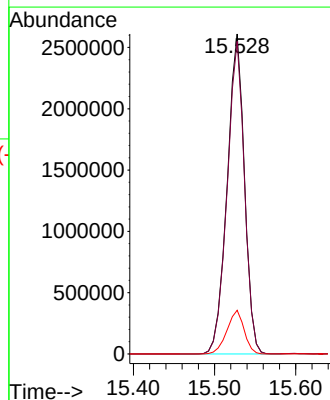
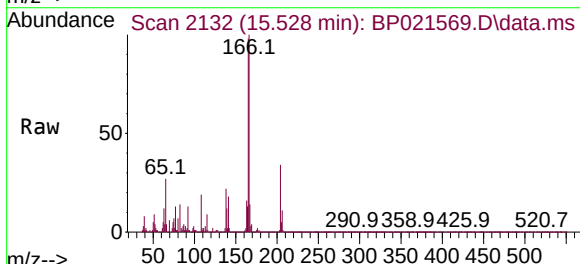
Tgt Ion:166 Resp: 3864218

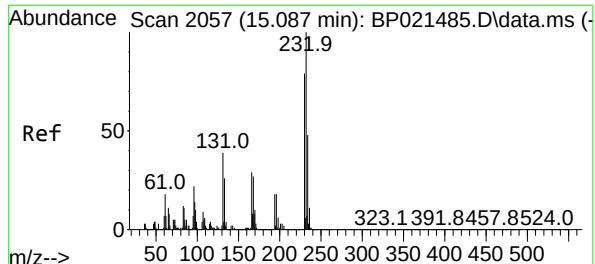
Ion Ratio Lower Upper

166 100

165 97.7 78.1 117.1

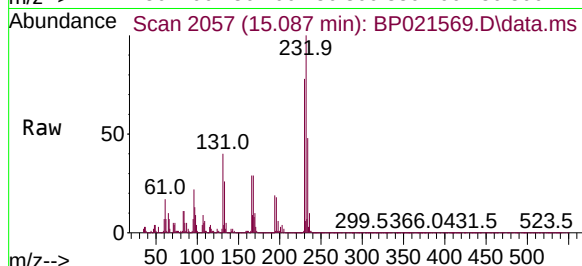
167 13.6 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 58.555 ng  
RT: 15.087 min Scan# 2057  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

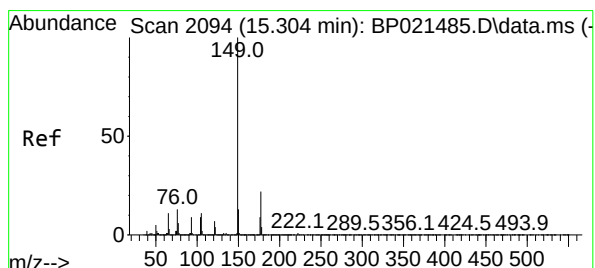
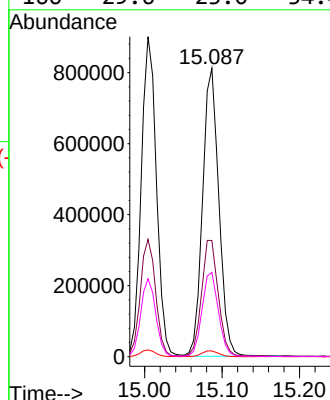
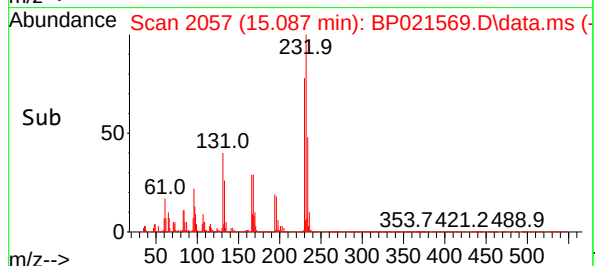
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion:232 Resp: 1185204  
Ion Ratio Lower Upper  
232 100  
131 41.0 33.1 49.7  
130 2.2 1.7 2.5  
166 29.6 23.0 34.4

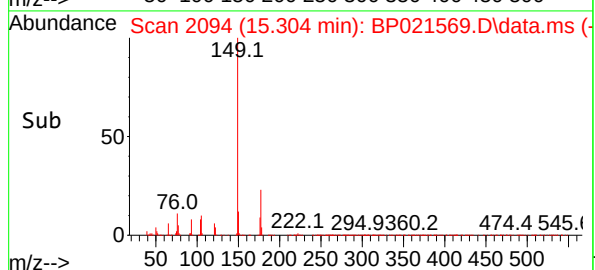
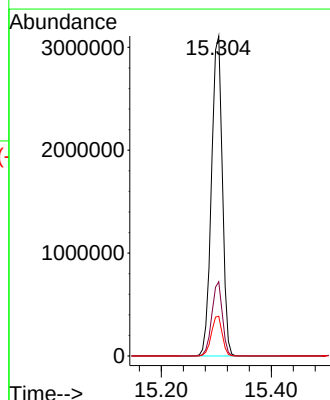
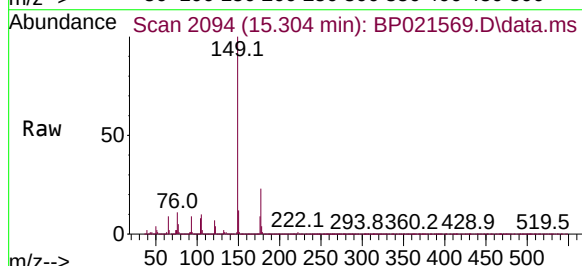
Manual Integrations  
APPROVED

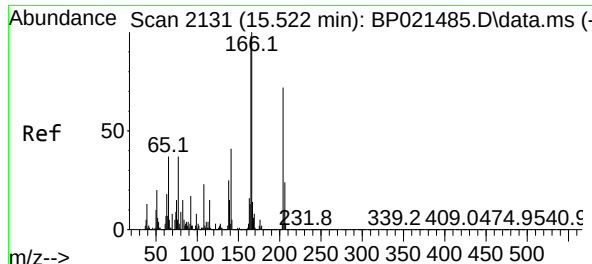
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#60  
Diethylphthalate  
Concen: 47.002 ng  
RT: 15.304 min Scan# 2094  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

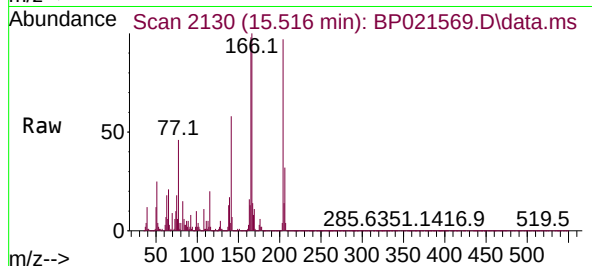
Tgt Ion:149 Resp: 4259031  
Ion Ratio Lower Upper  
149 100  
177 23.2 17.8 26.8  
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 42.961 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

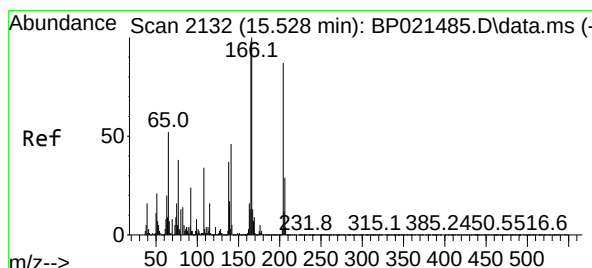
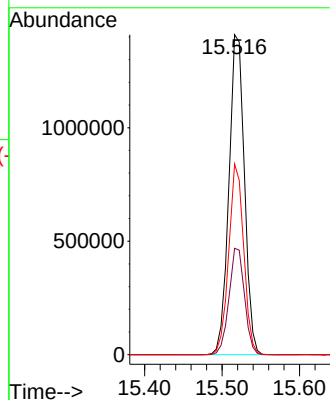
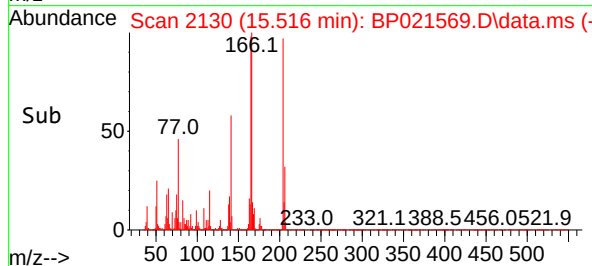
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion:204 Resp: 1966279  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.4 39.6  
141 59.6 46.1 69.1

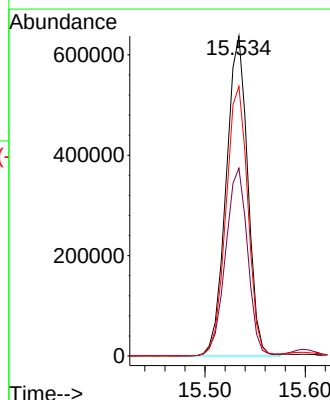
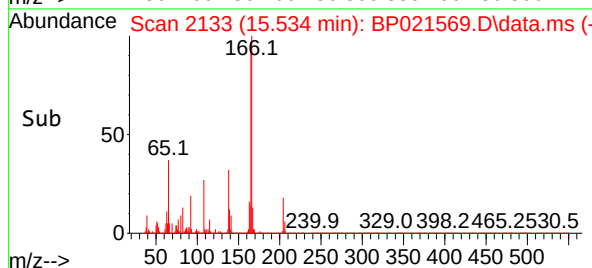
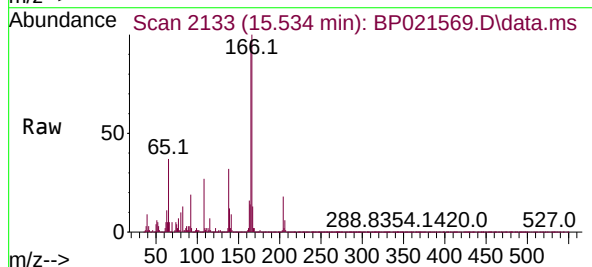
Manual Integrations  
APPROVED

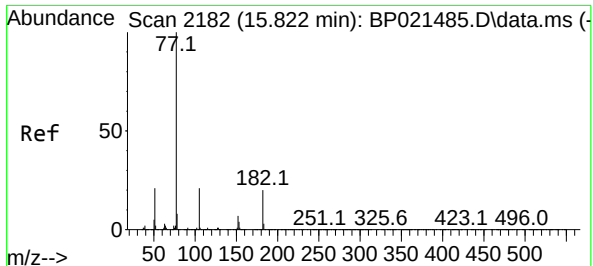
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#62  
4-Nitroaniline  
Concen: 52.570 ng  
RT: 15.534 min Scan# 2133  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

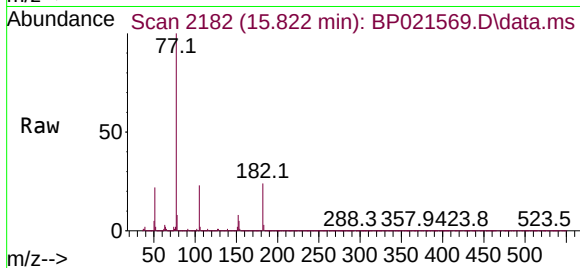
Tgt Ion:138 Resp: 951854  
Ion Ratio Lower Upper  
138 100  
92 58.7 46.4 86.4  
108 84.3 73.2 113.2





#63  
Azobenzene  
Concen: 41.483 ng  
RT: 15.822 min Scan# 2182  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

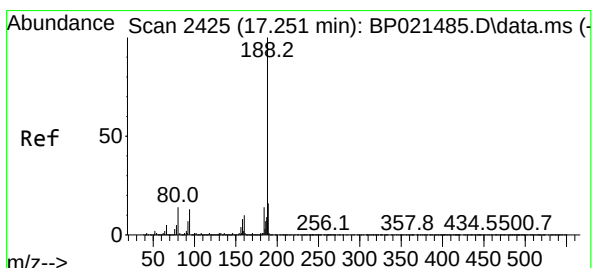
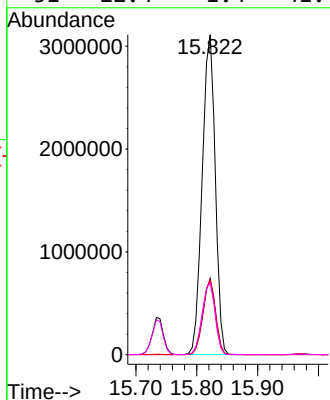
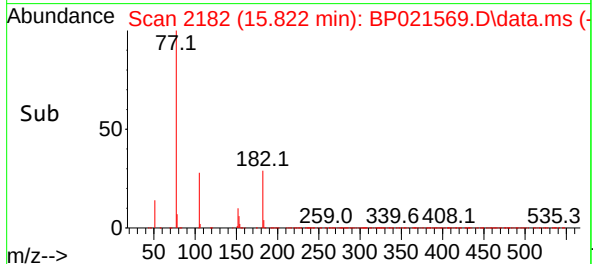
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion: 77 Resp: 462064  
Ion Ratio Lower Upper  
77 100  
182 23.9 0.0 39.9  
105 23.1 0.9 40.9  
51 22.4 1.4 41.4

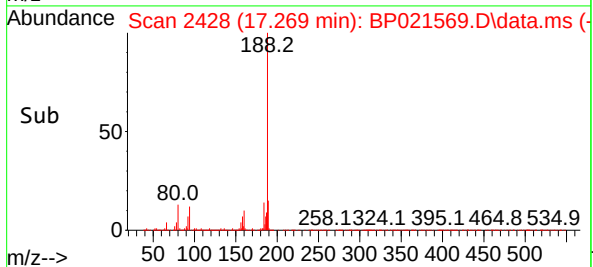
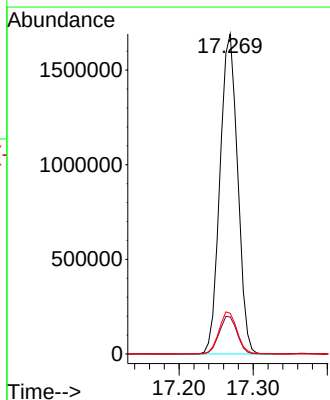
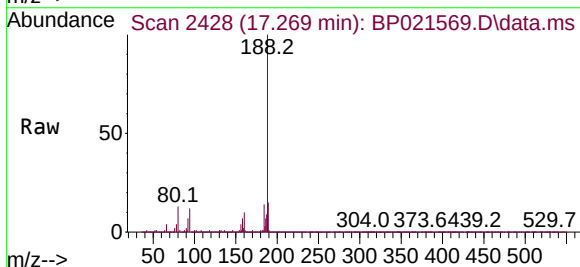
Manual Integrations  
APPROVED

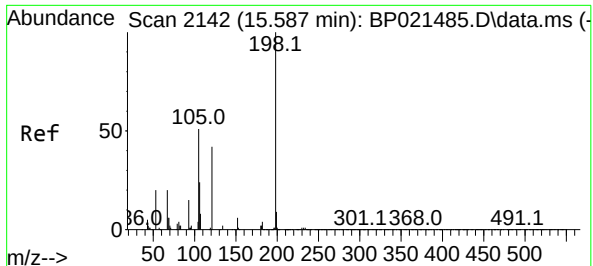
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.269 min Scan# 2428  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:188 Resp: 2796133  
Ion Ratio Lower Upper  
188 100  
94 11.6 10.2 15.4  
80 12.7 11.6 17.4





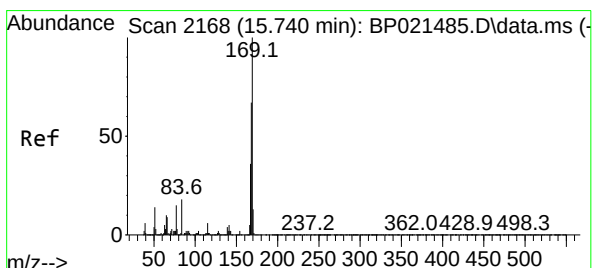
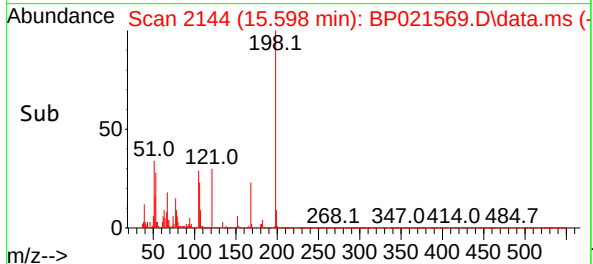
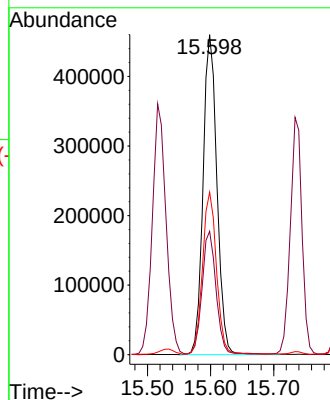
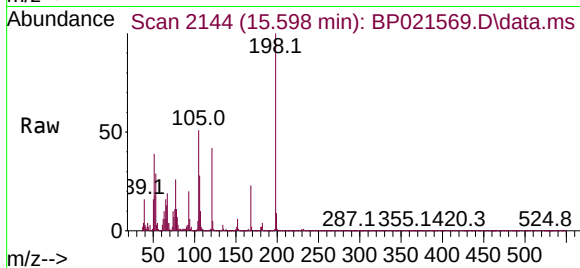
#65  
4,6-Dinitro-2-methylphenol  
Concen: 70.723 ng  
RT: 15.598 min Scan# 2144  
Delta R.T. 0.011 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD

Tgt Ion:198 Resp: 702004  
Ion Ratio Lower Upper  
198 100  
51 38.6 21.5 61.5  
105 50.8 32.9 72.9

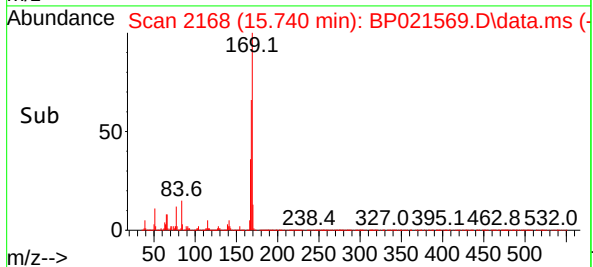
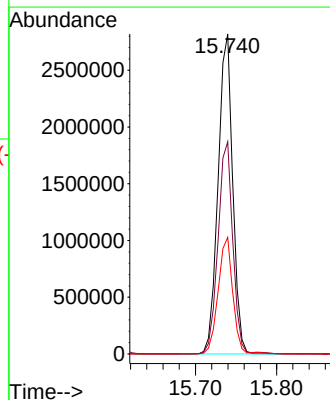
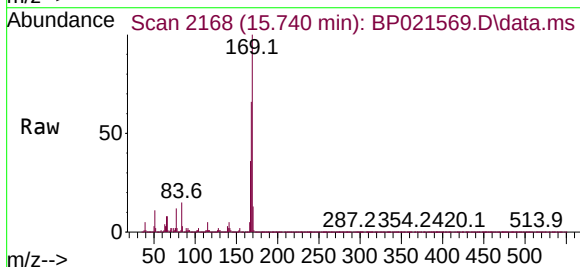
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

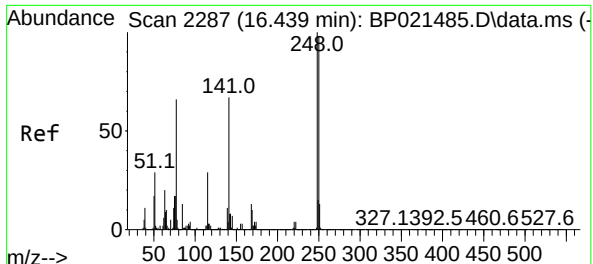


#66  
n-Nitrosodiphenylamine  
Concen: 47.107 ng  
RT: 15.740 min Scan# 2168  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:169 Resp: 3529833  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.4 80.2  
167 36.5 28.7 43.1







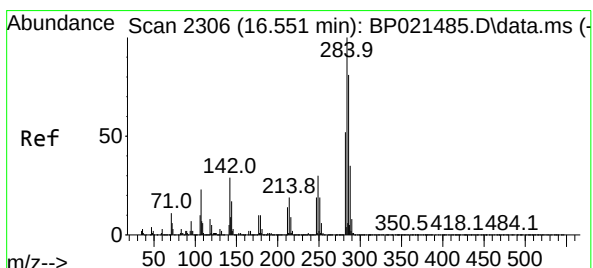
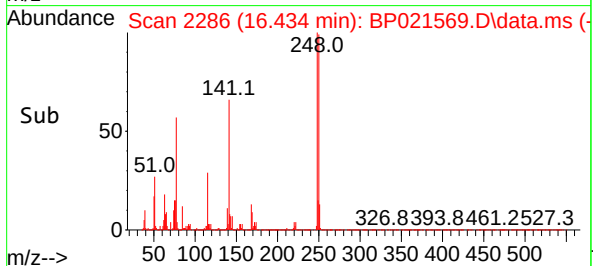
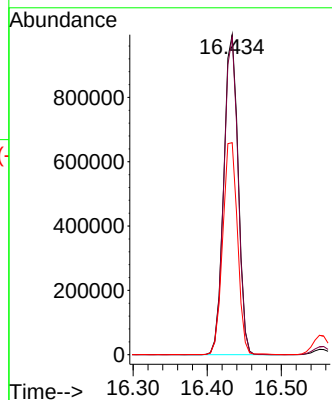
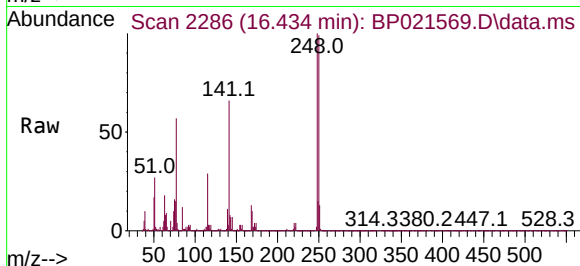
#67  
4-Bromophenyl-phenylether  
Concen: 45.335 ng  
RT: 16.434 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD

Tgt Ion:248 Resp: 134160  
Ion Ratio Lower Upper  
248 100  
250 99.2 78.6 117.8  
141 66.3 53.9 80.9

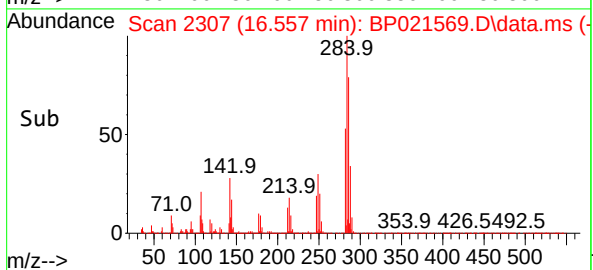
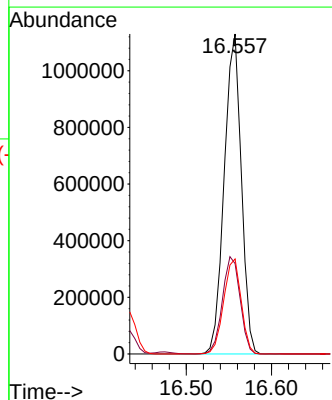
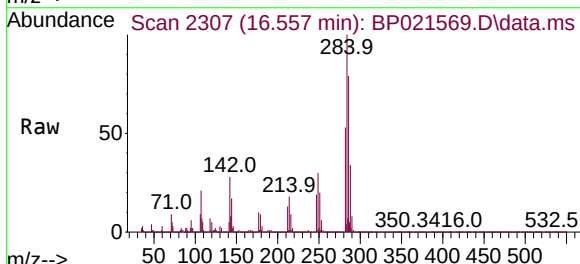
Manual Integrations  
APPROVED

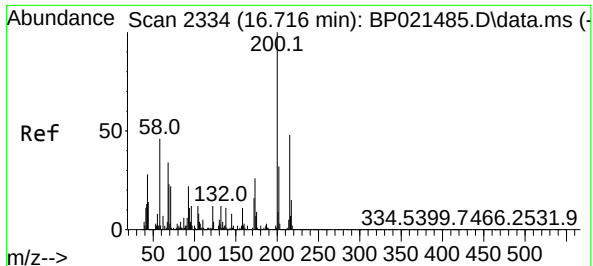
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#68  
Hexachlorobenzene  
Concen: 45.010 ng  
RT: 16.557 min Scan# 2307  
Delta R.T. 0.006 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:284 Resp: 1574085  
Ion Ratio Lower Upper  
284 100  
142 28.3 23.4 35.2  
249 29.7 24.1 36.1





#69

Atrazine

Concen: 44.470 ng

RT: 16.716 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:200 Resp: 114407

Ion Ratio Lower Upper

200 100

173 26.0 6.2 46.2

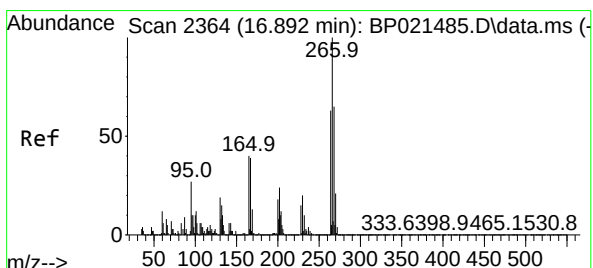
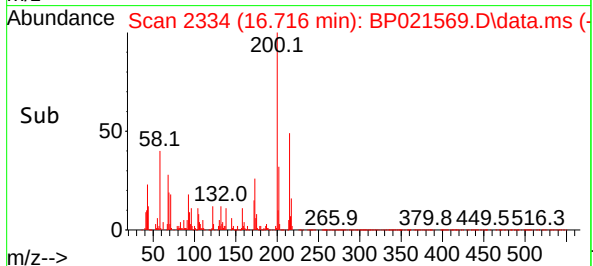
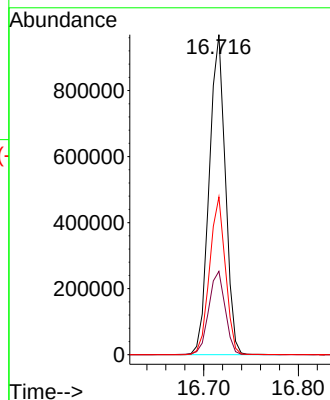
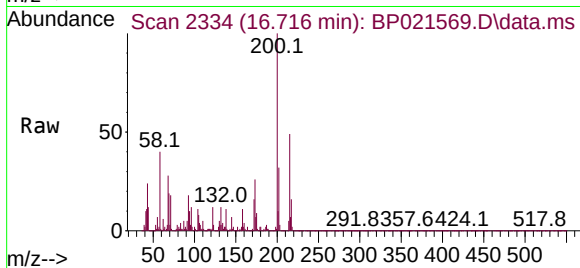
215 49.3 28.4 68.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#70

Pentachlorophenol

Concen: 110.436 ng

RT: 16.910 min Scan# 2367

Delta R.T. 0.018 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

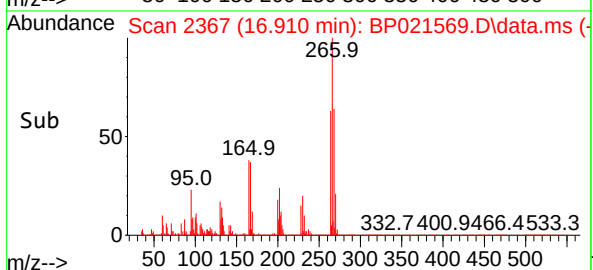
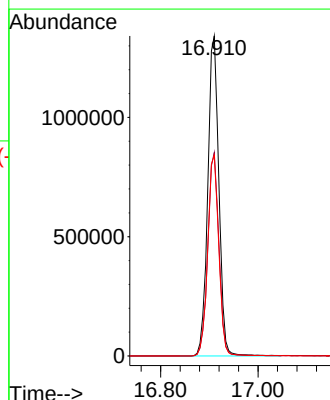
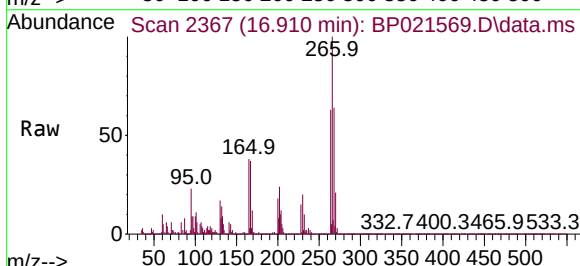
Tgt Ion:266 Resp: 2107986

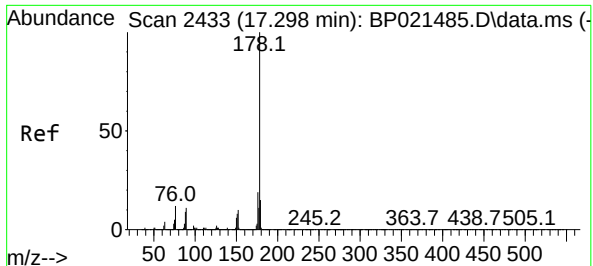
Ion Ratio Lower Upper

266 100

268 63.5 51.8 77.6

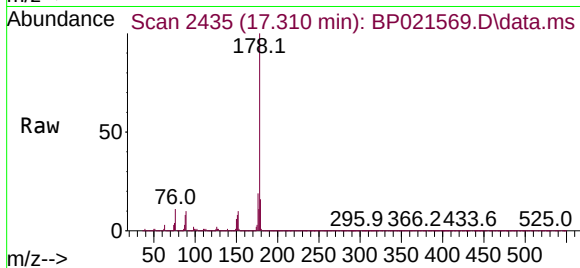
264 62.8 50.5 75.7





#71  
Phenanthrene  
Concen: 47.607 ng  
RT: 17.310 min Scan# 2433  
Delta R.T. 0.012 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

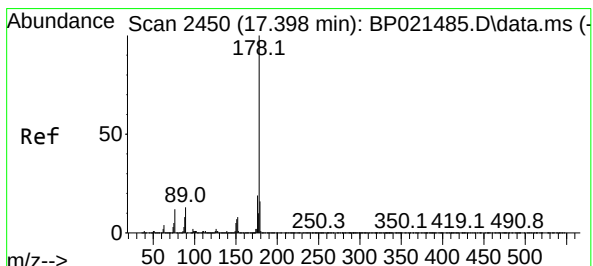
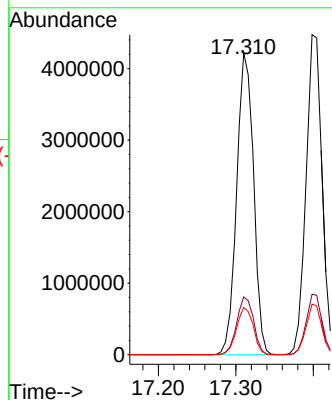
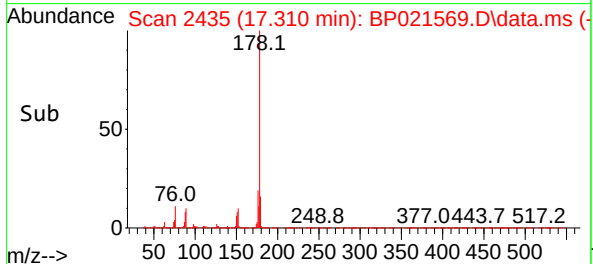
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



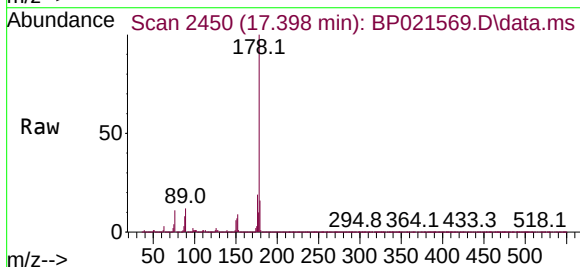
Tgt Ion:178 Resp: 640178  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 15.6 12.4 18.6

Manual Integrations  
APPROVED

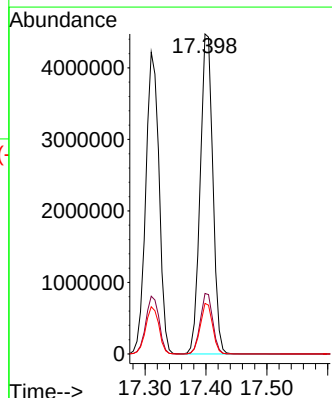
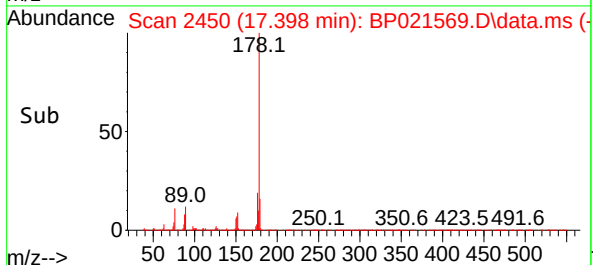
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

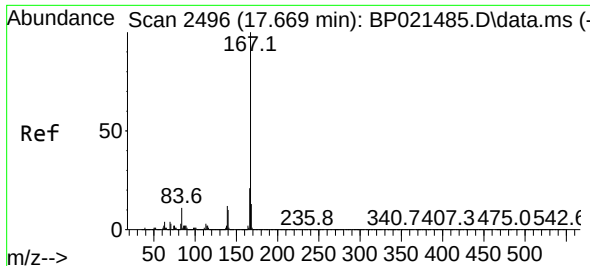


#72  
Anthracene  
Concen: 48.715 ng  
RT: 17.398 min Scan# 2450  
Delta R.T. 0.000 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13



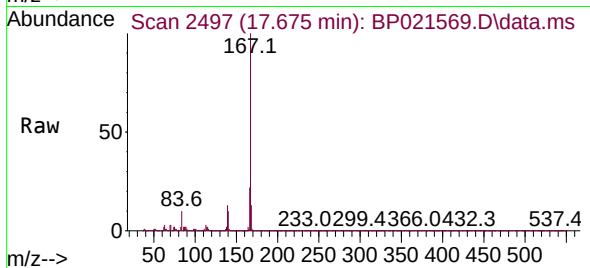
Tgt Ion:178 Resp: 6424495  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.9 22.3  
179 15.8 12.5 18.7





#73  
 Carbazole  
 Concen: 48.939 ng  
 RT: 17.675 min Scan# 2496  
 Delta R.T. 0.006 min  
 Lab File: BP021569.D  
 Acq: 20 Aug 2024 12:13

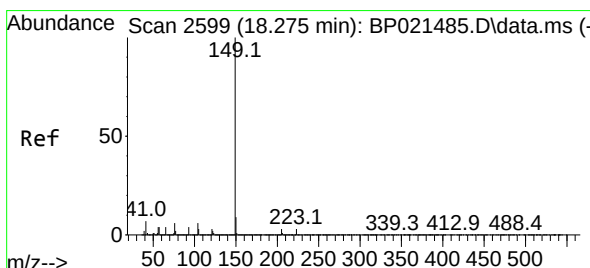
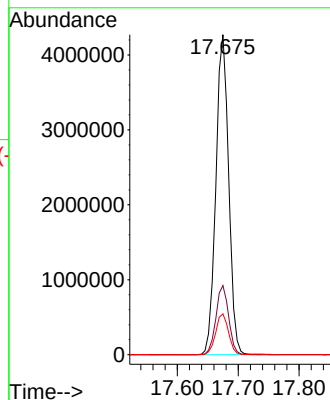
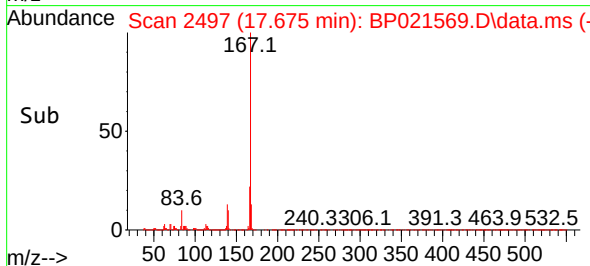
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162822BSD



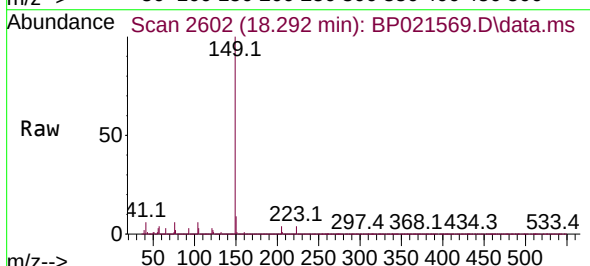
Tgt Ion:167 Resp: 621986  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.0 25.4  
 139 12.7 9.9 14.9

Manual Integrations  
 APPROVED

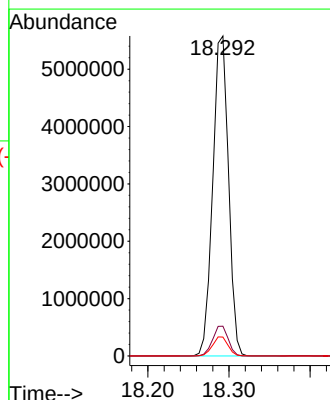
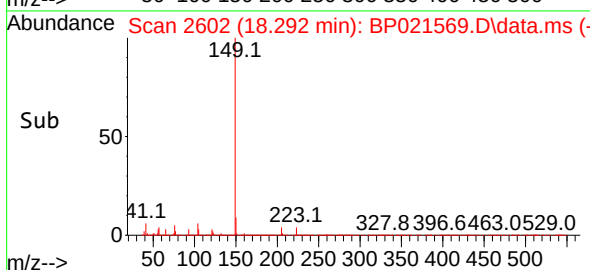
Reviewed By :Yogesh Patel 08/21/2024  
 Supervised By :mohammad ahmed 08/22/2024

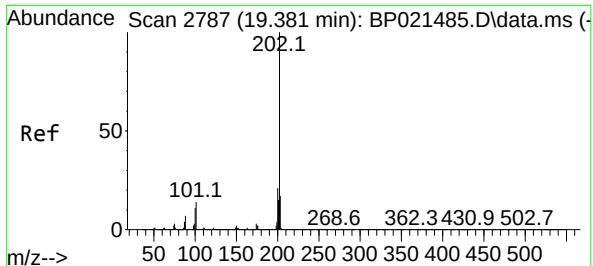


#74  
 Di-n-butylphthalate  
 Concen: 48.058 ng  
 RT: 18.292 min Scan# 2602  
 Delta R.T. 0.018 min  
 Lab File: BP021569.D  
 Acq: 20 Aug 2024 12:13



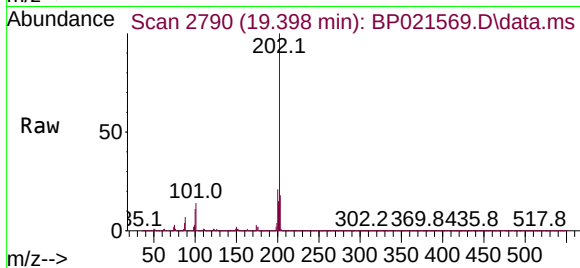
Tgt Ion:149 Resp: 7501228  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.5 11.3  
 104 5.9 4.9 7.3





#75  
Fluoranthene  
Concen: 46.418 ng  
RT: 19.398 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

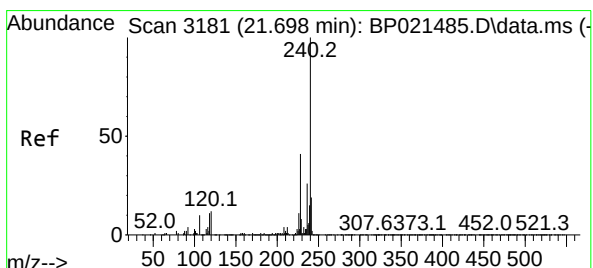
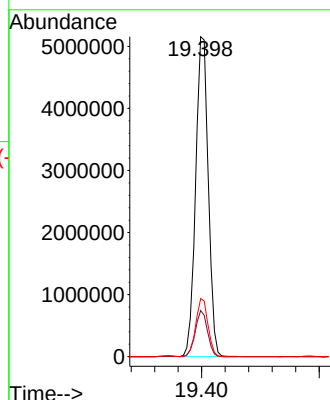
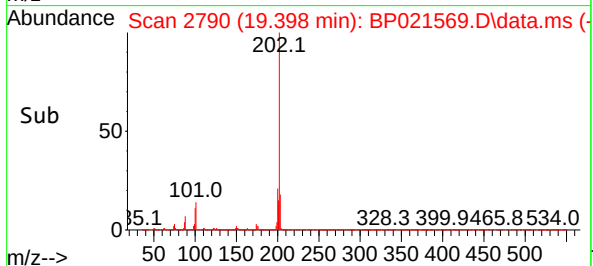
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion:202 Resp: 7658708  
Ion Ratio Lower Upper  
202 100  
101 14.4 0.0 34.0  
203 18.1 0.0 37.5

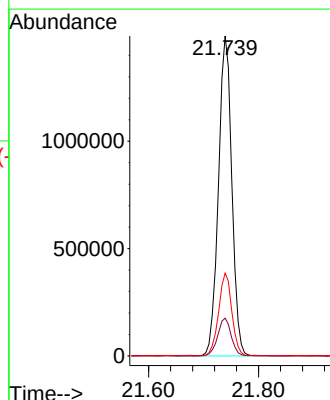
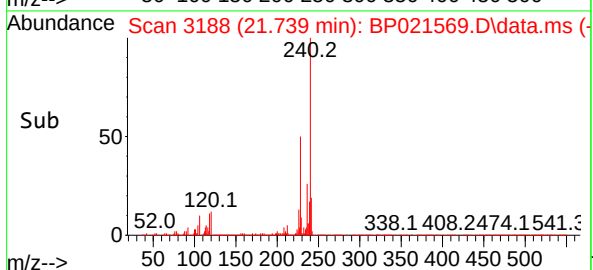
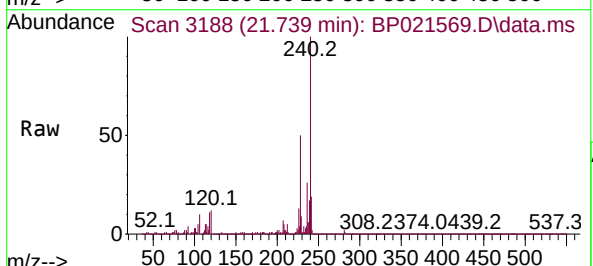
Manual Integrations  
APPROVED

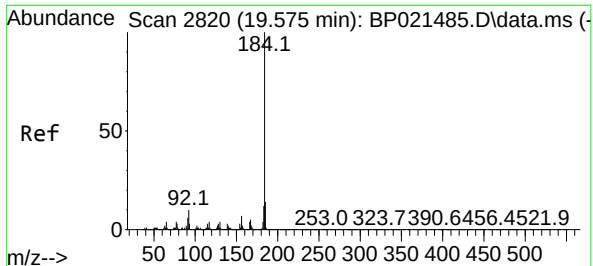
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.739 min Scan# 3188  
Delta R.T. 0.041 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:240 Resp: 2515502  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.9 14.9  
236 25.9 20.6 30.8





#77

Benzidine

Concen: 28.295 ng

RT: 19.586 min Scan# 2822

Delta R.T. 0.011 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:184 Resp: 1654718

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

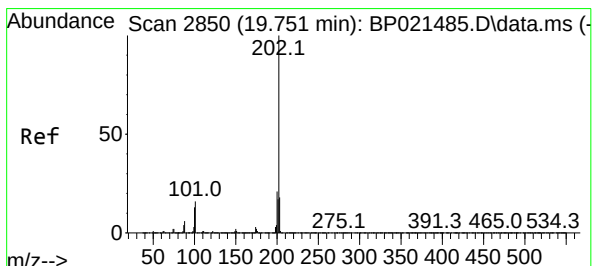
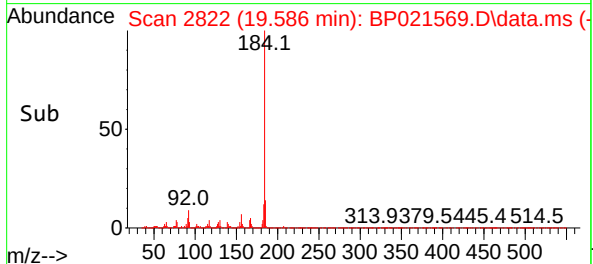
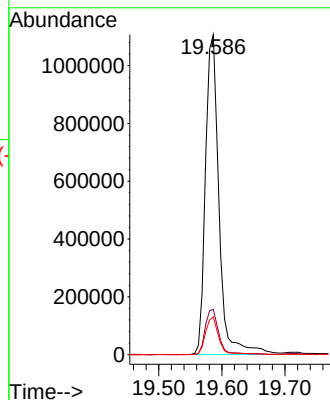
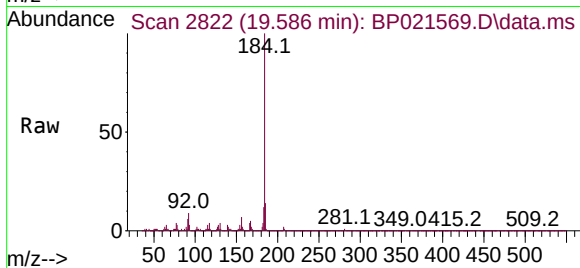
183 11.8 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#78

Pyrene

Concen: 47.980 ng

RT: 19.781 min Scan# 2855

Delta R.T. 0.029 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

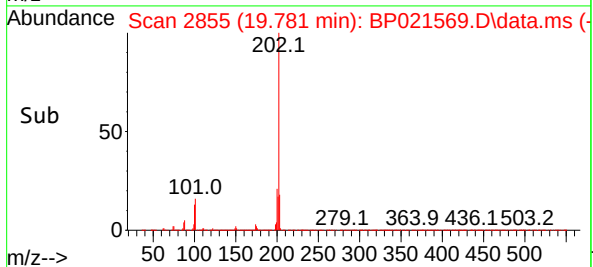
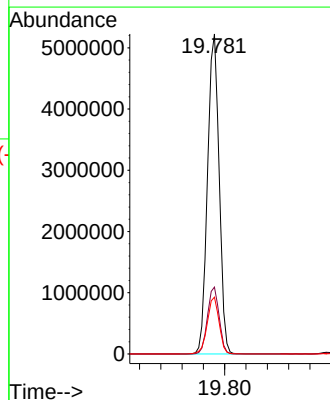
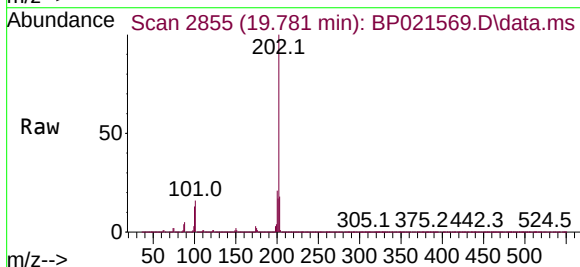
Tgt Ion:202 Resp: 7888730

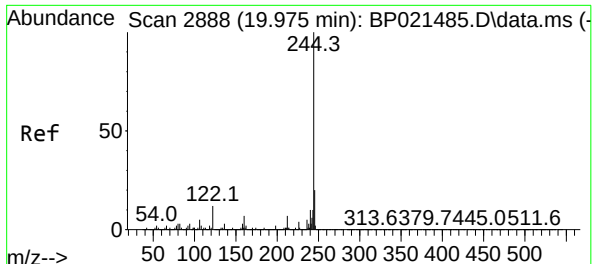
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 88.694 ng

RT: 19.992 min Scan# 2891

Delta R.T. 0.017 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:244 Resp:1148436

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

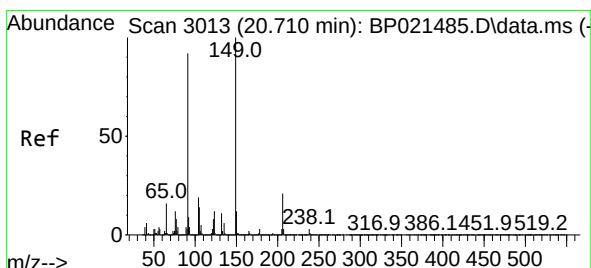
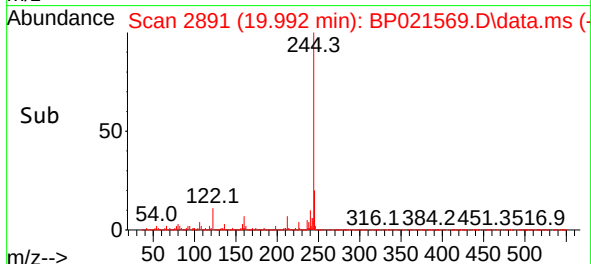
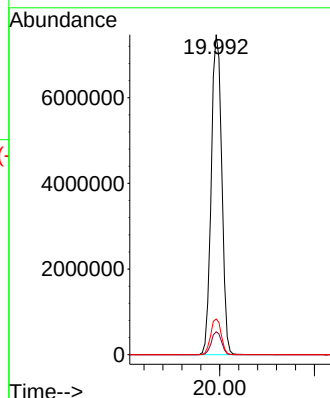
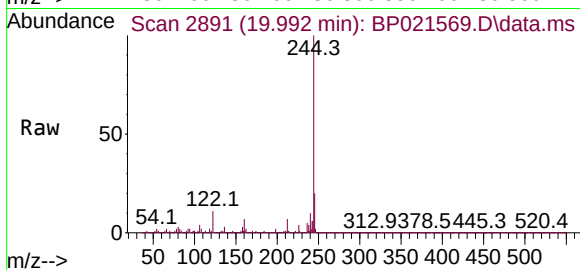
122 11.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#80

Butylbenzylphthalate

Concen: 53.957 ng

RT: 20.722 min Scan# 3015

Delta R.T. 0.012 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

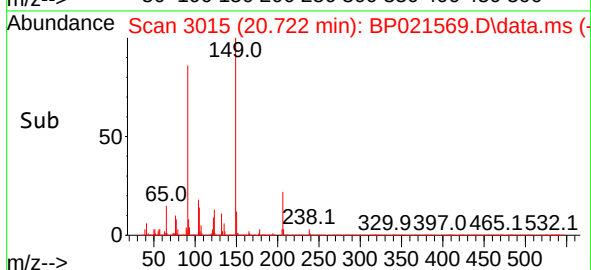
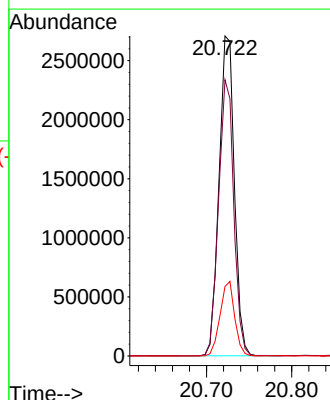
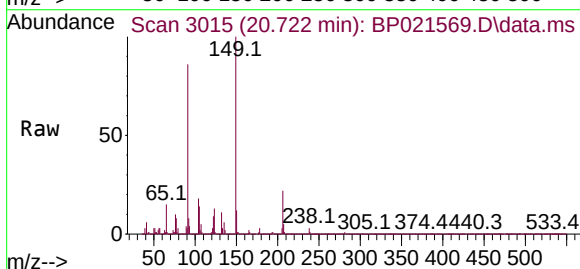
Tgt Ion:149 Resp: 3397196

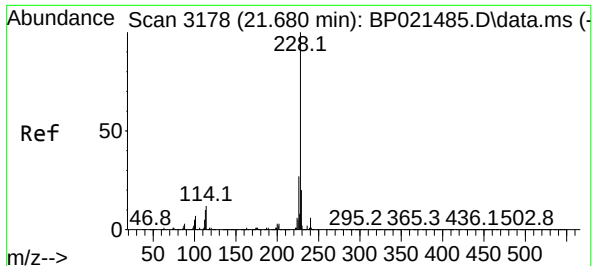
Ion Ratio Lower Upper

149 100

91 86.3 73.3 109.9

206 21.7 17.1 25.7





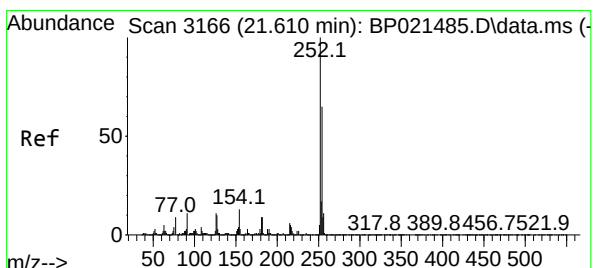
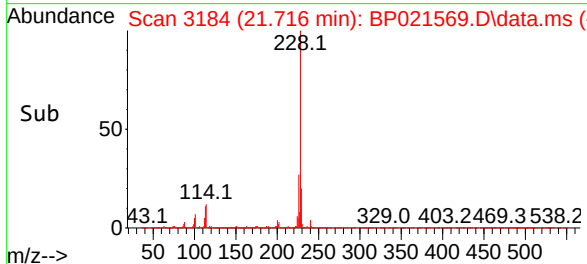
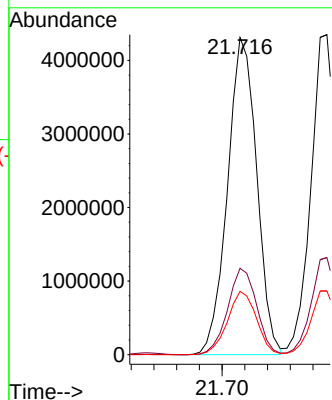
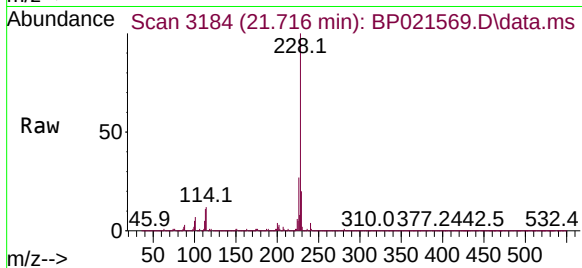
#81  
Benzo(a)anthracene  
Concen: 48.721 ng  
RT: 21.716 min Scan# 3178  
Delta R.T. 0.035 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD

Tgt Ion:228 Resp: 769367  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.4 32.2  
229 20.0 15.8 23.6

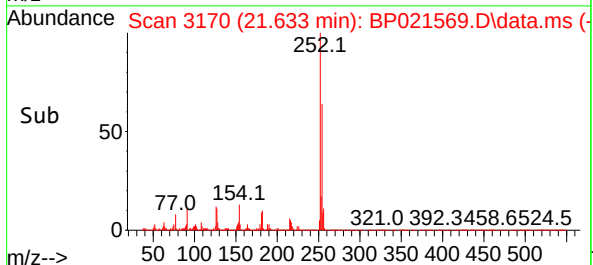
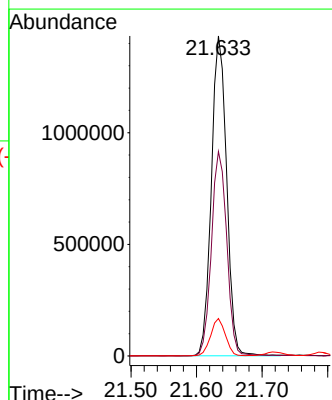
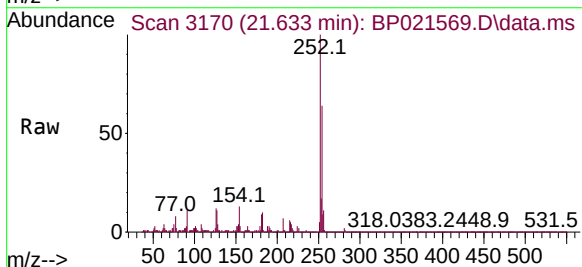
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024

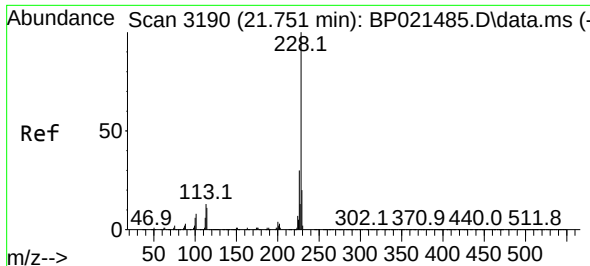


#82  
3,3'-Dichlorobenzidine  
Concen: 45.726 ng  
RT: 21.633 min Scan# 3170  
Delta R.T. 0.024 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:252 Resp: 2315165  
Ion Ratio Lower Upper  
252 100  
254 63.9 51.7 77.5  
126 11.7 8.7 13.1







#83

Chrysene

Concen: 48.803 ng

RT: 21.792 min Scan# 3190

Delta R.T. 0.041 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:228 Resp: 7276214

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

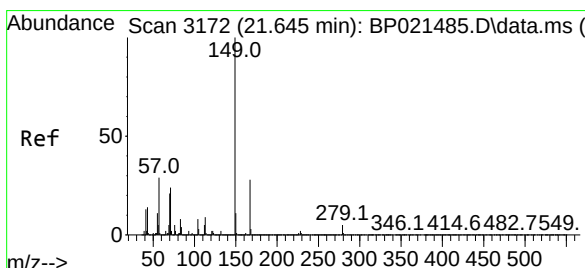
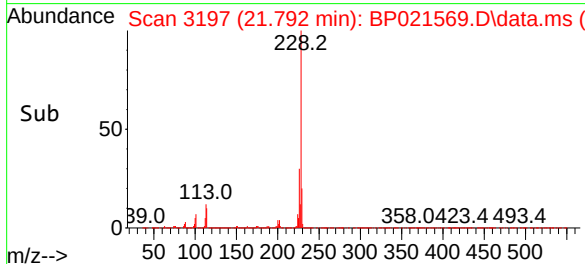
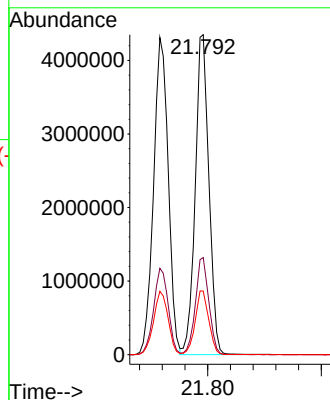
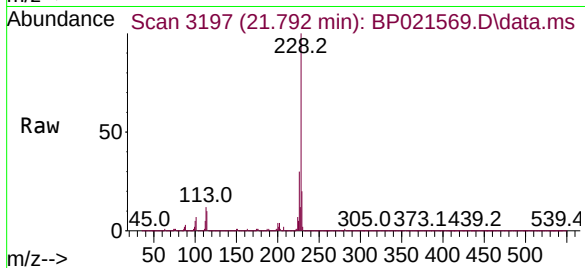
229 19.9 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.521 ng

RT: 21.675 min Scan# 3177

Delta R.T. 0.029 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

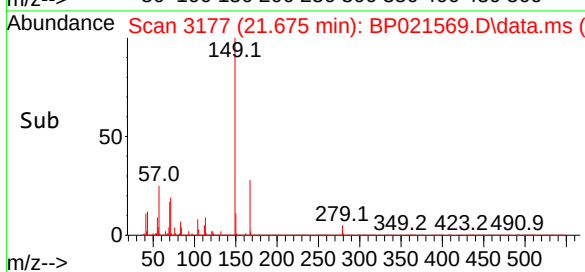
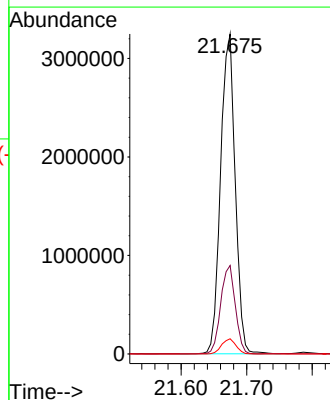
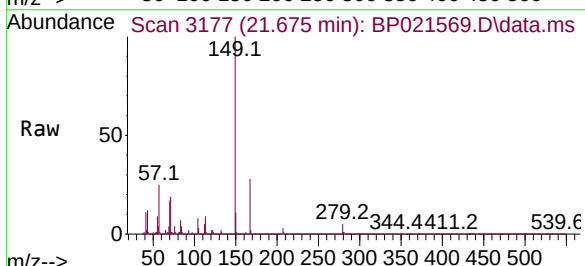
Tgt Ion:149 Resp: 4995239

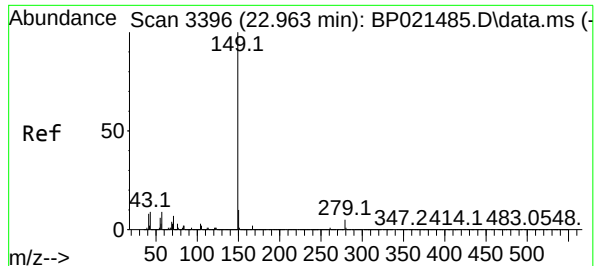
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

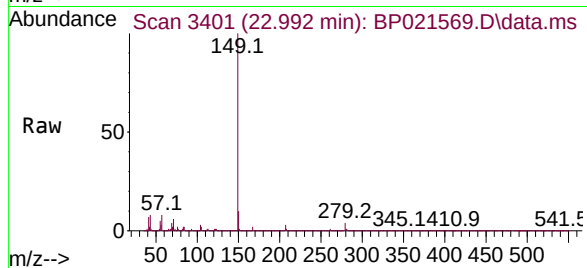
279 4.8 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 52.619 ng  
RT: 22.992 min Scan# 3401  
Delta R.T. 0.029 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

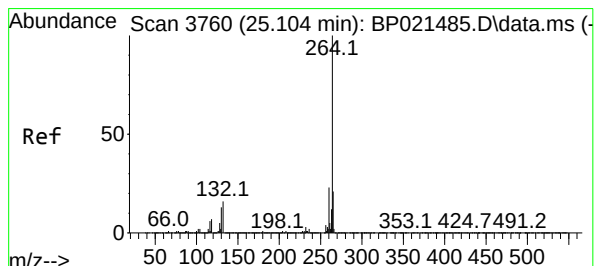
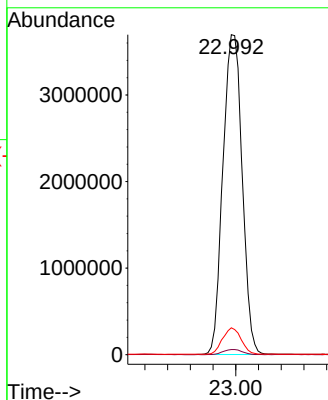
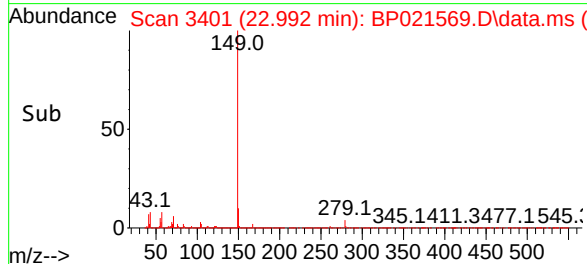
Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD



Tgt Ion:149 Resp: 871174  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.0 7.3 10.9

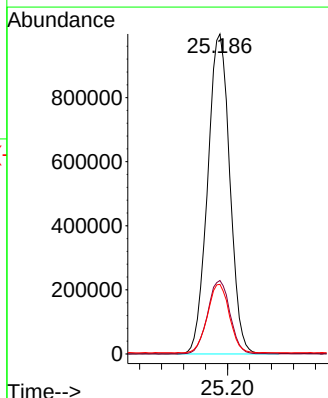
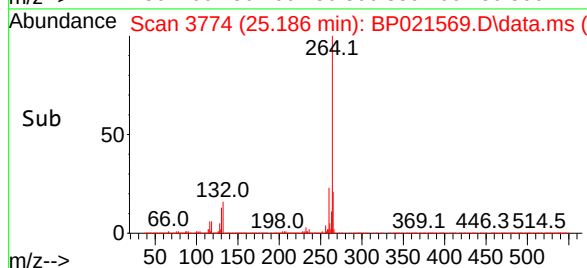
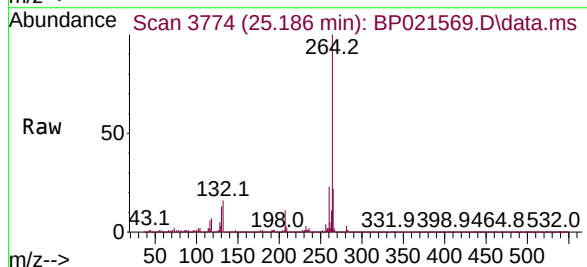
Manual Integrations  
APPROVED

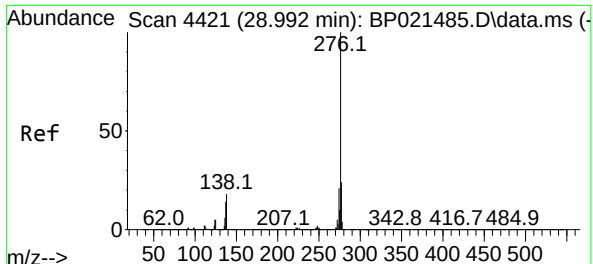
Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.186 min Scan# 3774  
Delta R.T. 0.082 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:264 Resp: 2791666  
Ion Ratio Lower Upper  
264 100  
260 22.9 18.6 28.0  
265 21.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 53.928 ng

RT: 29.104 min Scan# 4421

Delta R.T. 0.112 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:276 Resp: 975882

Ion Ratio Lower Upper

276 100

138 17.1 12.8 19.2

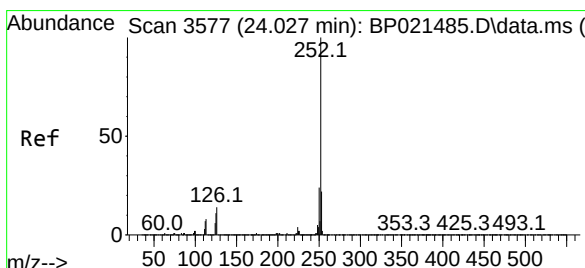
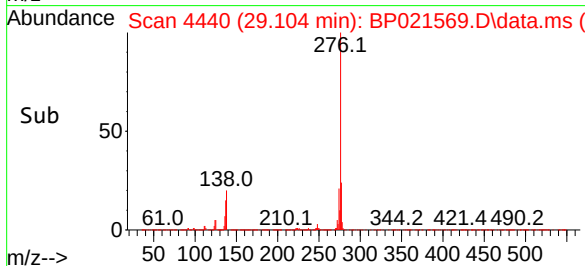
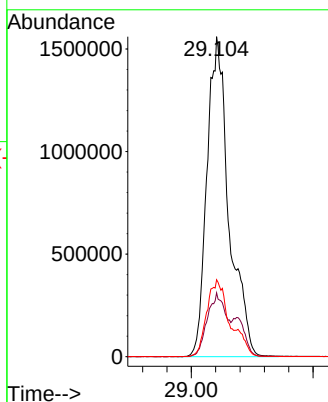
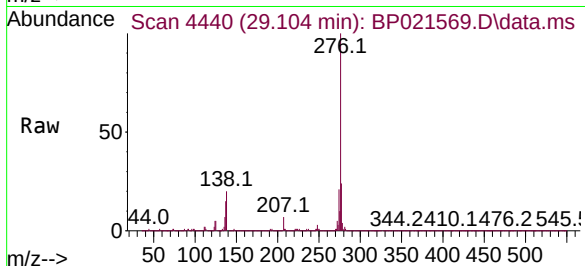
277 21.8 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#88

Benzo(b)fluoranthene

Concen: 49.556 ng

RT: 24.098 min Scan# 3589

Delta R.T. 0.071 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

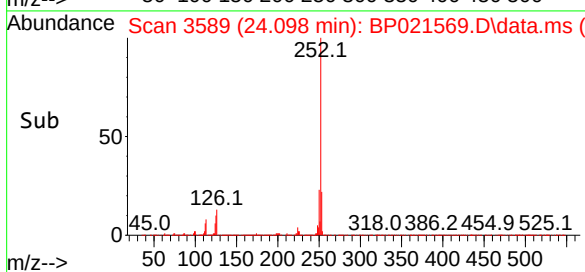
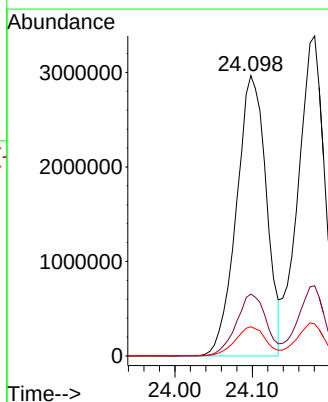
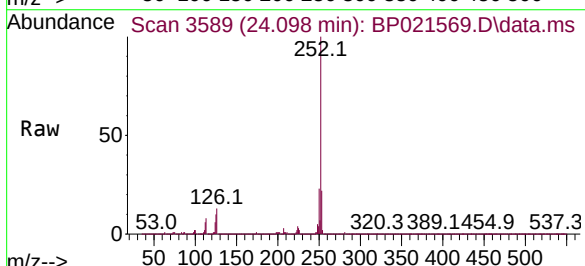
Tgt Ion:252 Resp: 7945368

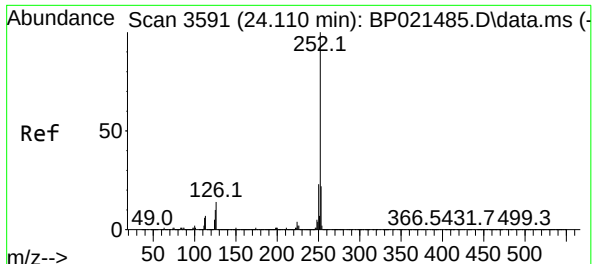
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.5 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 50.980 ng m

RT: 24.180 min Scan# 30

Delta R.T. 0.071 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA\_P

ClientSampleId :

PB162822BSD

Tgt Ion:252 Resp: 797359

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

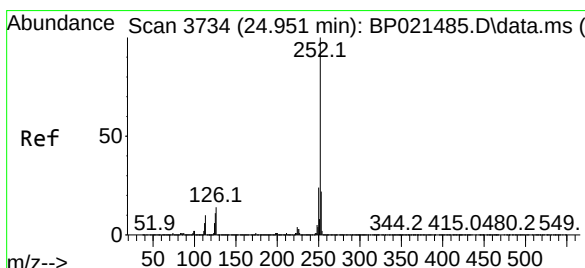
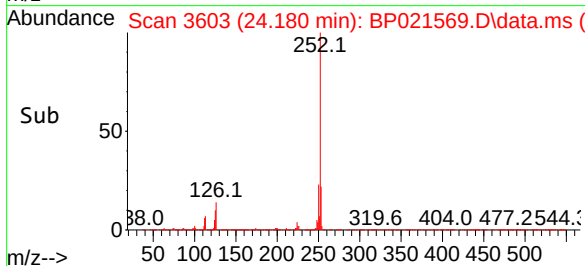
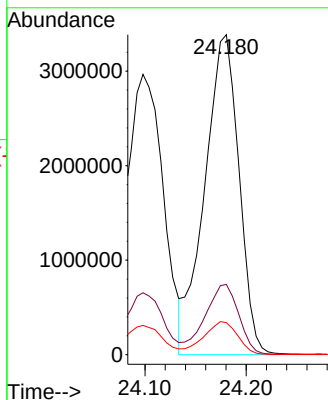
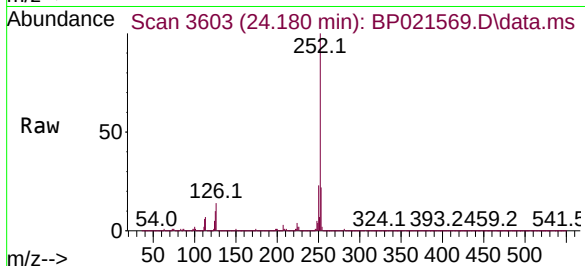
125 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#90

Benzo(a)pyrene

Concen: 54.014 ng

RT: 25.033 min Scan# 3748

Delta R.T. 0.082 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

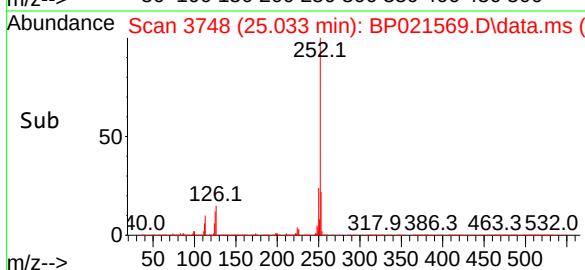
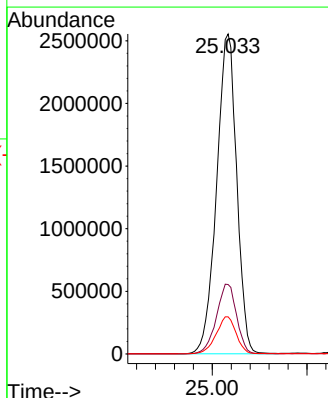
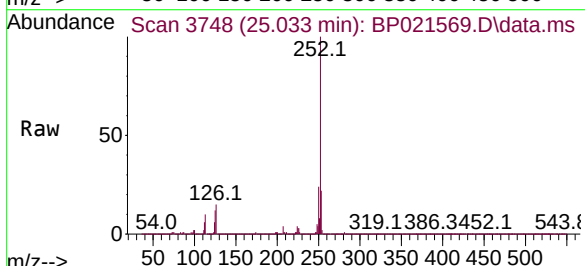
Tgt Ion:252 Resp: 7515255

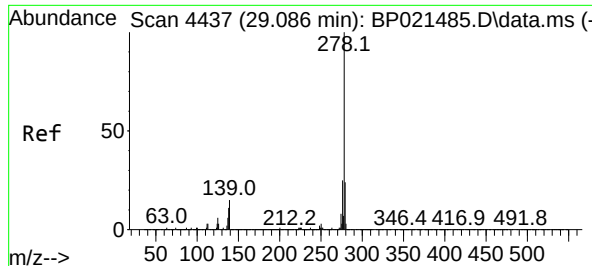
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.6 8.7 13.1





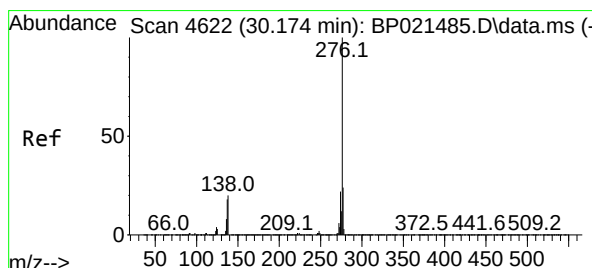
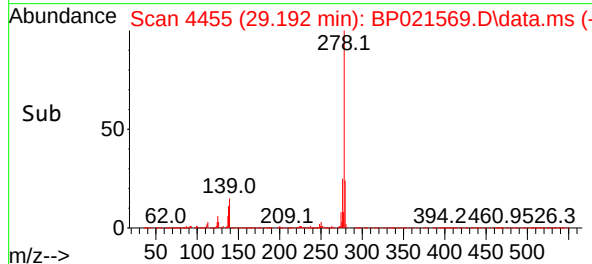
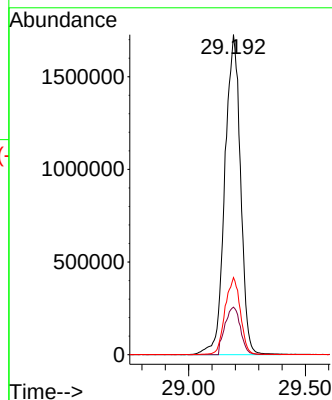
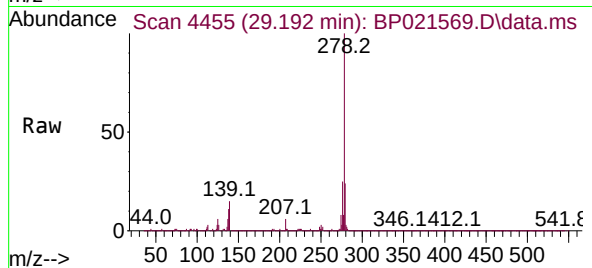
#91  
Dibenzo(a,h)anthracene  
Concen: 53.335 ng  
RT: 29.192 min Scan# 4437  
Delta R.T. 0.106 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Instrument :  
BNA\_P  
ClientSampleId :  
PB162822BSD

Tgt Ion:278 Resp: 801935  
Ion Ratio Lower Upper  
278 100  
139 14.8 12.2 18.4  
279 24.1 19.1 28.7

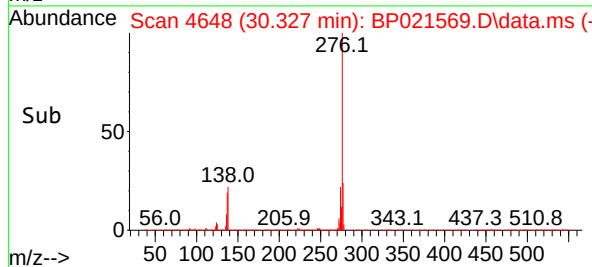
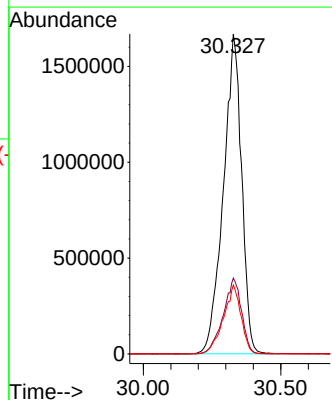
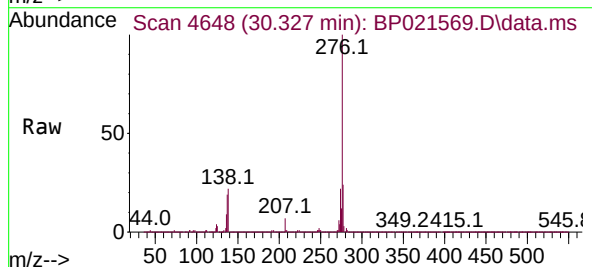
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/21/2024  
Supervised By :mohammad ahmed 08/22/2024



#92  
Benzo(g,h,i)perylene  
Concen: 50.941 ng  
RT: 30.327 min Scan# 4648  
Delta R.T. 0.153 min  
Lab File: BP021569.D  
Acq: 20 Aug 2024 12:13

Tgt Ion:276 Resp: 7676781  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.0 28.6  
138 21.6 16.0 24.0



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BP081324 | Instrument | BNA_p |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter                     | Review By | Review On            | Supervised By | Supervised On        | Reason                                  |
|-------------|------------|-------------------------------|-----------|----------------------|---------------|----------------------|-----------------------------------------|
| SSTDICC005  | BP021482.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:48:54 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC010  | BP021483.D | 2,2"-oxybis(1-Chloroprop ane) | yogesh    | 8/14/2024 5:48:55 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC020  | BP021484.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:48:57 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICCC040 | BP021485.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:48:59 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICCC040 | BP021485.D | Pyridine                      | yogesh    | 8/14/2024 5:48:59 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC050  | BP021486.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:49:00 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC050  | BP021486.D | Pyridine                      | yogesh    | 8/14/2024 5:49:00 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC060  | BP021487.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:49:01 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC060  | BP021487.D | Pyridine                      | yogesh    | 8/14/2024 5:49:01 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC080  | BP021488.D | Caprolactam                   | yogesh    | 8/14/2024 5:49:03 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC080  | BP021488.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:49:03 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICC080  | BP021488.D | Pyridine                      | yogesh    | 8/14/2024 5:49:03 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |
| SSTDICV040  | BP021489.D | Indeno(1,2,3-cd)pyrene        | yogesh    | 8/14/2024 5:49:04 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BP081324 | Instrument | BNA_p |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter | Review By | Review On            | Supervised By | Supervised On        | Reason                                  |
|------------|------------|-----------|-----------|----------------------|---------------|----------------------|-----------------------------------------|
| SSTDICV040 | BP021489.D | Pyridine  | yogesh    | 8/14/2024 5:49:04 AM | mohammad      | 8/14/2024 6:23:14 AM | Peak Integrated by Software incorrectly |

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BP082024 | Instrument | BNA_p |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                                  |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------------------|
| SSTDCCC040  | BP021566.D | Benzaldehyde           | yogesh    | 8/21/2024 1:30:12 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| SSTDCCC040  | BP021566.D | Indeno(1,2,3-cd)pyrene | yogesh    | 8/21/2024 1:30:12 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BS  | BP021568.D | Acenaphthene           | yogesh    | 8/21/2024 1:30:14 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BS  | BP021568.D | Benzaldehyde           | yogesh    | 8/21/2024 1:30:14 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BS  | BP021568.D | Caprolactam            | yogesh    | 8/21/2024 1:30:14 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BS  | BP021568.D | Indeno(1,2,3-cd)pyrene | yogesh    | 8/21/2024 1:30:14 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BS  | BP021568.D | Pyridine               | yogesh    | 8/21/2024 1:30:14 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BSD | BP021569.D | Acenaphthene           | yogesh    | 8/21/2024 1:30:15 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BSD | BP021569.D | Benzaldehyde           | yogesh    | 8/21/2024 1:30:15 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BSD | BP021569.D | Benzo(k)fluoranthene   | yogesh    | 8/21/2024 1:30:15 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BSD | BP021569.D | Caprolactam            | yogesh    | 8/21/2024 1:30:15 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| PB162822BSD | BP021569.D | Pyridine               | yogesh    | 8/21/2024 1:30:15 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| SSTDCCC040  | BP021573.D | Benzaldehyde           | yogesh    | 8/21/2024 1:30:19 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BP082024 | Instrument | BNA_p |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter              | Review By | Review On             | Supervised By | Supervised On        | Reason                                  |
|------------|------------|------------------------|-----------|-----------------------|---------------|----------------------|-----------------------------------------|
| SSTDCCC040 | BP021573.D | Indeno(1,2,3-cd)pyrene | yogesh    | 8/21/2024 1:30:19 AM  | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| SSTDCCC040 | BP021575.D | Acenaphthene           | yogesh    | 8/21/2024 1:30:23 AM  | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| SSTDCCC040 | BP021575.D | Indeno(1,2,3-cd)pyrene | yogesh    | 8/21/2024 1:30:23 AM  | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| SSTDCCC040 | BP021590.D | Acenaphthene           | Jagrut    | 8/21/2024 10:20:54 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |
| SSTDCCC040 | BP021590.D | Indeno(1,2,3-cd)pyrene | Jagrut    | 8/21/2024 10:20:54 AM | mohammad      | 8/22/2024 7:51:42 AM | Peak Integrated by Software incorrectly |

Instrument ID: BNA\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # BP081324**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | yogesh                                                  | Review On            | 8/14/2024 5:49:15 AM |
| Supervise By             | mohammad                                                | Supervise On         | 8/14/2024 6:23:14 AM |
| SubDirectory             | BP081324                                                | HP Acquire Method    | BNA_P                |
|                          |                                                         | HP Processing Method | BP081324             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6573                                                  |                      |                      |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |                      |                      |
| CCC                      | SP6591                                                  |                      |                      |
| Internal Standard/PEM    | S12041,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6559                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | Sampleld    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BP021480.D     | 13 Aug 2024 11:49 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BP021481.D     | 13 Aug 2024 12:32 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BP021482.D     | 13 Aug 2024 13:15 | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | BP021483.D     | 13 Aug 2024 13:59 | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | BP021484.D     | 13 Aug 2024 14:42 | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | BP021485.D     | 13 Aug 2024 15:26 | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | BP021486.D     | 13 Aug 2024 16:09 | RC/JU    | Ok,M   |
| 8   | SSTDICC060  | BP021487.D     | 13 Aug 2024 16:53 | RC/JU    | Ok,M   |
| 9   | SSTDICC080  | BP021488.D     | 13 Aug 2024 17:36 | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | BP021489.D     | 13 Aug 2024 19:03 | RC/JU    | Ok,M   |
| 11  | PB162612TB  | BP021490.D     | 13 Aug 2024 19:46 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP082024

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | yogesh                                                  | Review On            | 8/21/2024 1:30:32 AM |
| Supervise By             | mohammad                                                | Supervise On         | 8/22/2024 7:51:42 AM |
| SubDirectory             | BP082024                                                | HP Acquire Method    | BNA_P                |
|                          |                                                         | HP Processing Method | BP081324             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6573                                                  |                      |                      |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |                      |                      |
| CCC                      | SP6591                                                  |                      |                      |
| Internal Standard/PEM    | S12041,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6559                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BP021565.D     | 20 Aug 2024 09:25 | RC/JU    | Ok       |
| 2   | SSTDCCC040  | BP021566.D     | 20 Aug 2024 10:07 | RC/JU    | Ok,M     |
| 3   | PB162822BL  | BP021567.D     | 20 Aug 2024 10:49 | RC/JU    | Ok       |
| 4   | PB162822BS  | BP021568.D     | 20 Aug 2024 11:31 | RC/JU    | Ok,M     |
| 5   | PB162822BSD | BP021569.D     | 20 Aug 2024 12:13 | RC/JU    | Ok,M     |
| 6   | P3650-01    | BP021570.D     | 20 Aug 2024 12:59 | RC/JU    | Ok       |
| 7   | P3650-04    | BP021571.D     | 20 Aug 2024 13:42 | RC/JU    | Ok       |
| 8   | P3519-03RE  | BP021572.D     | 20 Aug 2024 14:25 | RC/JU    | Confirms |
| 9   | SSTDCCC040  | BP021573.D     | 20 Aug 2024 15:14 | RC/JU    | Ok,M     |
| 10  | DFTPP       | BP021574.D     | 20 Aug 2024 15:57 | RC/JU    | Ok       |
| 11  | SSTDCCC040  | BP021575.D     | 20 Aug 2024 16:40 | RC/JU    | Ok,M     |
| 12  | PB162631BL  | BP021576.D     | 20 Aug 2024 17:24 | RC/JU    | Ok       |
| 13  | P3643-10    | BP021577.D     | 20 Aug 2024 18:07 | RC/JU    | Ok       |
| 14  | P3643-12    | BP021578.D     | 20 Aug 2024 18:51 | RC/JU    | Ok       |
| 15  | P3643-14    | BP021579.D     | 20 Aug 2024 19:34 | RC/JU    | Ok       |
| 16  | P3600-06    | BP021580.D     | 20 Aug 2024 20:17 | RC/JU    | Ok,M     |
| 17  | P3600-06MS  | BP021581.D     | 20 Aug 2024 21:01 | RC/JU    | Ok,M     |
| 18  | P3600-06MSD | BP021582.D     | 20 Aug 2024 21:44 | RC/JU    | Ok,M     |
| 19  | P3518-15RE  | BP021583.D     | 20 Aug 2024 22:27 | RC/JU    | Confirms |
| 20  | P3518-15MS  | BP021584.D     | 20 Aug 2024 23:10 | RC/JU    | Ok,M     |
| 21  | P3518-15MSD | BP021585.D     | 20 Aug 2024 23:53 | RC/JU    | Ok,M     |

Instrument ID: **BNA\_P**

**Daily Analysis Runlog For Sequence/QC Batch ID # BP082024**

| Review By                | yogesh                                                  | Review On            | 8/21/2024 1:30:32 AM |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Supervise By             | mohammad                                                | Supervise On         | 8/22/2024 7:51:42 AM |
| SubDirectory             | BP082024                                                | HP Acquire Method    | BNA_P                |
|                          |                                                         | HP Processing Method | BP081324             |
| STD. NAME                | STD REF.#                                               |                      |                      |
| Tune/Reschk              | SP6573                                                  |                      |                      |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |                      |                      |
| CCC                      | SP6591                                                  |                      |                      |
| Internal Standard/PEM    | S12041,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6559                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

|    |            |            |                   |       |          |
|----|------------|------------|-------------------|-------|----------|
| 22 | P3518-23RE | BP021586.D | 21 Aug 2024 00:36 | RC/JU | Confirms |
| 23 | P3518-25RE | BP021587.D | 21 Aug 2024 01:19 | RC/JU | Confirms |
| 24 | P3518-29RE | BP021588.D | 21 Aug 2024 02:02 | RC/JU | Confirms |
| 25 | P3657-01   | BP021589.D | 21 Aug 2024 02:44 | RC/JU | Ok       |
| 26 | SSTDCCC040 | BP021590.D | 21 Aug 2024 03:27 | RC/JU | Ok,M     |

M : Manual Integration

Instrument ID: BNA\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # BP081324**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | yogesh                                                  | Review On            | 8/14/2024 5:49:15 AM |
| Supervise By             | mohammad                                                | Supervise On         | 8/14/2024 6:23:14 AM |
| SubDirectory             | BP081324                                                | HP Acquire Method    | BNA_P                |
|                          |                                                         | HP Processing Method | BP081324             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6573                                                  |                      |                      |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |                      |                      |
| CCC                      | SP6591                                                  |                      |                      |
| Internal Standard/PEM    | S12041,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6559                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                                                              | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|--------------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BP021480.D     | 13 Aug 2024 11:49 |                                                                                      | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BP021481.D     | 13 Aug 2024 12:32 |                                                                                      | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BP021482.D     | 13 Aug 2024 13:15 | Compound #32,54,56,65,70,77,85 removed from 5ppm                                     | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | SSTDICC010  | BP021483.D     | 13 Aug 2024 13:59 |                                                                                      | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | SSTDICC020  | BP021484.D     | 13 Aug 2024 14:42 | Compound #48,51,53,56,57,62,80,85 Kept on LR and Compound #26,32,54,65,77 Kept on QR | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | SSTDICCC040 | BP021485.D     | 13 Aug 2024 15:26 | The Calibration is Good For 8270 DOD except com#32,77 and good for 8270E             | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | SSTDICC050  | BP021486.D     | 13 Aug 2024 16:09 |                                                                                      | RC/JU    | Ok,M   |
| 8   | SSTDICC060  | SSTDICC060  | BP021487.D     | 13 Aug 2024 16:53 |                                                                                      | RC/JU    | Ok,M   |
| 9   | SSTDICC080  | SSTDICC080  | BP021488.D     | 13 Aug 2024 17:36 | Compound #9 removed from 80ppm                                                       | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | ICVBP081324 | BP021489.D     | 13 Aug 2024 19:03 | Com#32 and 77 failed in ICV for 8270 DOD Criteria                                    | RC/JU    | Ok,M   |
| 11  | PB162612TB  | PB162612TB  | BP021490.D     | 13 Aug 2024 19:46 | Already analyzed with ok status                                                      | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_P

### Daily Analysis Runlog For Sequence/QC Batch ID # BP082024

|              |          |                      |                      |
|--------------|----------|----------------------|----------------------|
| Review By    | yogesh   | Review On            | 8/21/2024 1:30:32 AM |
| Supervise By | mohammad | Supervise On         | 8/22/2024 7:51:42 AM |
| SubDirectory | BP082024 | HP Acquire Method    | BNA_P                |
|              |          | HP Processing Method | BP081324             |

| STD. NAME                | STD REF.#                                               |
|--------------------------|---------------------------------------------------------|
| Tune/Reschk              | SP6573                                                  |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |
| CCC                      | SP6591                                                  |
| Internal Standard/PEM    | S12041,10ul/1000ul sample                               |
| ICV/I.BLK                | SP6559                                                  |
| Surrogate Standard       |                                                         |
| MS/MSD Standard          |                                                         |
| LCS Standard             |                                                         |

| Sr# | SampleID    | ClientID              | Data File Name | Date-Time         | Comment        | Operator | Status   |
|-----|-------------|-----------------------|----------------|-------------------|----------------|----------|----------|
| 1   | DFTPP       | DFTPP                 | BP021565.D     | 20 Aug 2024 09:25 |                | RC/JU    | Ok       |
| 2   | SSTDCCC040  | SSTDCCC040            | BP021566.D     | 20 Aug 2024 10:07 |                | RC/JU    | Ok,M     |
| 3   | PB162822BL  | PB162822BL            | BP021567.D     | 20 Aug 2024 10:49 |                | RC/JU    | Ok       |
| 4   | PB162822BS  | PB162822BS            | BP021568.D     | 20 Aug 2024 11:31 |                | RC/JU    | Ok,M     |
| 5   | PB162822BSD | PB162822BSD           | BP021569.D     | 20 Aug 2024 12:13 |                | RC/JU    | Ok,M     |
| 6   | P3650-01    | RW7-SP100-20240814    | BP021570.D     | 20 Aug 2024 12:59 |                | RC/JU    | Ok       |
| 7   | P3650-04    | RW7-SP303-20240814    | BP021571.D     | 20 Aug 2024 13:42 |                | RC/JU    | Ok       |
| 8   | P3519-03RE  | OU4-TS-17-080724RE    | BP021572.D     | 20 Aug 2024 14:25 | Surrogate Fail | RC/JU    | Confirms |
| 9   | SSTDCCC040  | SSTDCCC040EC          | BP021573.D     | 20 Aug 2024 15:14 |                | RC/JU    | Ok,M     |
| 10  | DFTPP       | DFTPP                 | BP021574.D     | 20 Aug 2024 15:57 |                | RC/JU    | Ok       |
| 11  | SSTDCCC040  | SSTDCCC040            | BP021575.D     | 20 Aug 2024 16:40 |                | RC/JU    | Ok,M     |
| 12  | PB162631BL  | PB162631BL            | BP021576.D     | 20 Aug 2024 17:24 |                | RC/JU    | Ok       |
| 13  | P3643-10    | 924-K1-SD-0.5-1.0-081 | BP021577.D     | 20 Aug 2024 18:07 |                | RC/JU    | Ok       |
| 14  | P3643-12    | 921-J-SD-0.5-1.0-0815 | BP021578.D     | 20 Aug 2024 18:51 |                | RC/JU    | Ok       |
| 15  | P3643-14    | 921-J-SD-0.5-1.0-0815 | BP021579.D     | 20 Aug 2024 19:34 |                | RC/JU    | Ok       |
| 16  | P3600-06    | VCPS-B3-081324-10-1   | BP021580.D     | 20 Aug 2024 20:17 |                | RC/JU    | Ok,M     |
| 17  | P3600-06MS  | VCPS-B3-081324-10-1   | BP021581.D     | 20 Aug 2024 21:01 |                | RC/JU    | Ok,M     |
| 18  | P3600-06MSD | VCPS-B3-081324-10-1   | BP021582.D     | 20 Aug 2024 21:44 |                | RC/JU    | Ok,M     |

Instrument ID: BNA\_P

**Daily Analysis Runlog For Sequence/QC Batch ID # BP082024**

| Review By                | yogesh                                                  | Review On         | 8/21/2024 1:30:32 AM |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|----------------------|----------------------|----------|
| Supervise By             | mohammad                                                | Supervise On      | 8/22/2024 7:51:42 AM |                      |          |
| SubDirectory             | BP082024                                                | HP Acquire Method | BNA_P                | HP Processing Method | BP081324 |
| STD. NAME                | STD REF.#                                               |                   |                      |                      |          |
| Tune/Reschk              | SP6573                                                  |                   |                      |                      |          |
| Initial Calibration Stds | SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588 |                   |                      |                      |          |
| CCC                      | SP6591                                                  |                   |                      |                      |          |
| Internal Standard/PEM    | S12041,10ul/1000ul sample                               |                   |                      |                      |          |
| ICV/I.BLK                | SP6559                                                  |                   |                      |                      |          |
| Surrogate Standard       |                                                         |                   |                      |                      |          |
| MS/MSD Standard          |                                                         |                   |                      |                      |          |
| LCS Standard             |                                                         |                   |                      |                      |          |

|    |             |                    |            |                   |                |       |          |
|----|-------------|--------------------|------------|-------------------|----------------|-------|----------|
| 19 | P3518-15RE  | OU4-TS-08-080724RE | BP021583.D | 20 Aug 2024 22:27 | Surrogate Fail | RC/JU | Confirms |
| 20 | P3518-15MS  | OU4-TS-08-080724MS | BP021584.D | 20 Aug 2024 23:10 |                | RC/JU | Ok,M     |
| 21 | P3518-15MSD | OU4-TS-08-080724MS | BP021585.D | 20 Aug 2024 23:53 |                | RC/JU | Ok,M     |
| 22 | P3518-23RE  | OU4-TS-12-080724RE | BP021586.D | 21 Aug 2024 00:36 | Surrogate Fail | RC/JU | Confirms |
| 23 | P3518-25RE  | OU4-TS-13-080724RE | BP021587.D | 21 Aug 2024 01:19 | Surrogate Fail | RC/JU | Confirms |
| 24 | P3518-29RE  | OU4-TS-15-080724RE | BP021588.D | 21 Aug 2024 02:02 | Surrogate Fail | RC/JU | Confirms |
| 25 | P3657-01    | 917-J-WS-081624    | BP021589.D | 21 Aug 2024 02:44 |                | RC/JU | Ok       |
| 26 | SSTDCCC040  | SSTDCCC040EC       | BP021590.D | 21 Aug 2024 03:27 |                | RC/JU | Ok,M     |

M : Manual Integration

**SOP ID:** M3510C,3580A-Extraction SVOC-20

**Clean Up SOP #:** N/A **Extraction Start Date :** 08/19/2024

**Matrix :** Water **Extraction Start Time :** 09:40

**Welgh By:** N/A **Extraction By:** RS **Extraction End Date :** 08/19/2024

**Balance check:** N/A **Filter By:** RP **Extraction End Time :** 14:35

**Balance ID:** N/A **pH Meter ID:** N/A **Concentration By:** RS

**pH Strip Lot#:** E3574 **Hood ID:** 4,5,6,7 **Supervisor By :** rajesh

**Extraction Method:** ☒ Seperatory Funne ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

| Standarded Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-----------------|----------|---------------------|---------------------|
| Spike Sol 1     | 1.0ML    | 50/100 PPM          | SP6604              |
| Surrogate       | 1.0ML    | 100/150 PPM         | SP6524              |
| 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            | E3787      |
| Baked Na2SO4       | N/A            | EP2521     |
| H2SO4 1:1          | N/A            | EP2524     |
| 10N NaoH           | N/A            | EP2523     |
| 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 and > 11 with 10N NaoH, 1.5ML Vial Lot # 2210673.

**KD Bath ID:** WATER BATH-1 **Envap ID:** NE VAP-02

**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

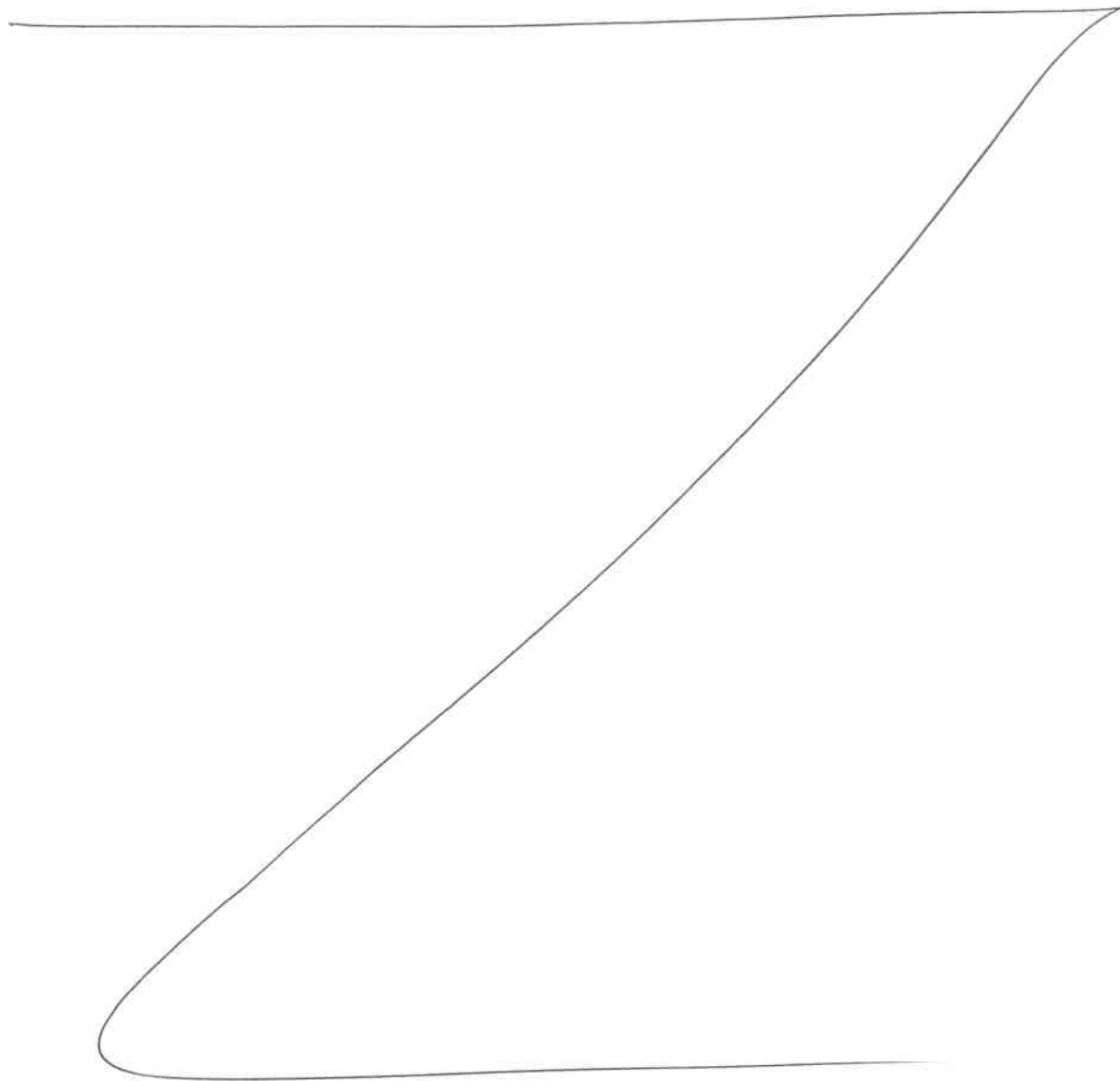
| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 08/19/24    | RP (Ext. 244)                           | RC/SVOC              |
| 14:40       | Preparation Group                       | Analysis Group       |



Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 08/19/2024

| Sample ID    | Client Sample ID   | Test          | g / <del>mL</del> | PH | Surr/Spike By: |            | Final Vol.(mL) | JarID | Comments | Prep Pos |
|--------------|--------------------|---------------|-------------------|----|----------------|------------|----------------|-------|----------|----------|
|              |                    |               |                   |    | AddedBy        | VerifiedBy |                |       |          |          |
| PB162822BL   | SBLK822            | SVOCMS Group5 | 1000              | 6  | RUPESH         | rajesh     | 1              |       |          | SEP-10   |
| PB162822BS   | SLCS822            | SVOCMS Group5 | 1000              | 6  | RUPESH         | rajesh     | 1              |       |          | 11       |
| PB162822BS D | SLCSD822           | SVOCMS Group5 | 1000              | 6  | RUPESH         | rajesh     | 1              |       |          | 12       |
| P3650-01     | RW7-SP100-20240814 | SVOCMS Group5 | 1000              | 6  | RUPESH         | rajesh     | 1              | B     |          | 13       |
| P3650-04     | RW7-SP303-20240814 | SVOCMS Group5 | 1000              | 6  | RUPESH         | rajesh     | 1              | B     |          | 14       |
| P3657-01     | 917-J-WS-081624    | SVOCMS Group6 | 960               | 6  | RUPESH         | rajesh     | 1              | E     |          | 15       |



\* Extracts relinquished on the same date as received.

8/19/24

P3657-SV

**WorkList ID:** 182767

Department : Extraction

**Date:** 08-19-2024 09:38:44

| Sample   | Customer Sample    | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|--------------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| P3650-01 | RW7-SP100-20240814 | Water  | SVOCMS Group5 | Cool 4 deg C | TETR06   | G11                         | 08/14/2024   | 8270E  |
| P3650-04 | RW7-SP303-20240814 | Water  | SVOCMS Group5 | Cool 4 deg C | TETR06   | G11                         | 08/14/2024   | 8270E  |
| P3657-01 | 917-J-WS-081624    | Water  | SVOCMS Group6 | Cool 4 deg C | JACO05   | G11                         | 08/16/2024   | 8270E  |

Date/Time 08/19/24 9:38

| Date/Time |       |
|-----------|-------|
| 08/19/24  | 10:00 |

Raw Sample Received by: JS (S&S 104)

**Raw Sample Received by:**

Raw Sample Relinquished by: \_\_\_\_\_

Raw Sample Relinquished by: R. P. Long

## Prep Standard - Chemical Standard Summary

**Order ID :** P3657  
**Test :** SVOCMS Group6  
**Prepbatch ID :** PB162822,  
**Sequence ID/Qc Batch ID:** BP082024,

**Standard ID :**  
EP2521,EP2523,EP2524,SP6524,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,S  
P6594,SP6595,SP6604,

**Chemical ID :**  
10ul/1000ul  
sample,E3551,E3657,E3744,E3768,E3780,E3786,E3787,M5037,S10103,S10247,S10398,S10583,S10972,S10973,S10974,  
S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11093,S11097,  
S11103,S11138,S11141,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,  
S12041,S12077,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12117,S12118,S12119,  
S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12449,S12450,S12451,S12452,S12453,W3112,

## 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="#">EP2521</a> | 08/10/2024       | 01/03/2025             | Rajesh Parikh      | Extraction_SC<br>ALE_2 | None             | RUPESHKUMAR<br>SHAH<br>08/10/2024 |

**FROM** 4000.00000gram of E3551 = Final Quantity: 4000.000 gram (EX-SC-2)

| <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<br>SOLN | <a href="#">EP2523</a> | 08/14/2024       | 02/14/2025             | Rajesh Parikh      | Extraction_SC<br>ALE_2 | None             | RUPESHKUMAR<br>SHAH<br>08/14/2024 |

**FROM** 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml (EX-SC-2)

## 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="#">EP2524</a> | 08/14/2024       | 12/15/2024             | Rajesh Parikh      | None           | None             | RUPESHKUMAR SHAH<br>08/14/2024 |

**FROM** 1000.00000ml of M5037 + 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>       |
|------------------|---------------------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------------|
| 19               | 8270/CLP Surrogate Solution,<br>100 PPM BN/150 PPM ACID | <a href="#">SP6524</a> | 05/31/2024       | 11/29/2024             | Jagrut Upadhyay    | None           | None             | Yogesh Patel<br>06/13/2024 |

**FROM** 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = Final Quantity: 2000.000 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>         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 18                                                                                                                                                                                                                 | Second Source Calibration Stock Standard, 100 PPM, | <a href="#">SP6558</a> | 07/09/2024       | 11/30/2024             | Jagrut Upadhyay    | None           | None             | mohammad ahmed<br>07/11/2024 |
| <b>FROM</b> (8270/625/CLP)<br>0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 +<br>0.20000ml of S12117 + 1.18000ml of E3768 = Final Quantity: 2.000 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>         |
|-------------------------------------------------------------------------------------------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|------------------------------|
| 416                                                                                                   | 40 ng BNA ICV, 40 PPM | <a href="#">SP6559</a> | 07/09/2024       | 11/30/2024             | Jagrut Upadhyay    | None           | None             | mohammad ahmed<br>07/11/2024 |
| <b>FROM</b> 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = 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> |
|------------------|----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3895             | 50 ug/ml DFTPP 8270E | <a href="#">SP6573</a> | 07/15/2024       | 01/08/2025             | Rahul Chavli       | None           | None             | Yogesh Patel         |
|                  |                      |                        |                  |                        |                    |                |                  | 07/17/2024           |

**FROM** 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 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> |
|------------------|--------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3764             | 8270/625 Stock solution 100 ng | <a href="#">SP6587</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
|                  |                                |                        |                  |                        |                    |                |                  | 08/17/2024           |

**FROM** 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 +  
1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = Final Quantity: 10.000 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 413              | 80 ng BNA ICC, 80 PPM | <a href="#">SP6588</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                       |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 412              | 60 ng BNA ICC, 60 PPM | <a href="#">SP6589</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                       |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 411              | 50 ng BNA ICC, 50 PPM | <a href="#">SP6590</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                       |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 410              | 40 ng BNA ICC, 40 PPM | <a href="#">SP6591</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                       |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 3678             | 20 ng BNA ICC, 20 PPM | <a href="#">SP6592</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                       |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 408              | 10 ng BNA ICC, 10 PPM | <a href="#">SP6593</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                       |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = 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> |
|------------------|---------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 407              | 5 ng BNA ICC, 5 PPM | <a href="#">SP6594</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                     |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = 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> |
|------------------|-------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 175              | 2.5 ng BNA ICC, 2.5 PPM | <a href="#">SP6595</a> | 08/08/2024       | 01/09/2025             | Jagrut Upadhyay    | None           | None             | Yogesh Patel         |
| 08/17/2024       |                         |                        |                  |                        |                    |                |                  |                      |

**FROM** 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = 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> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 171                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8270/625 Spike Solution, 50/100 PPM | <a href="#">SP6604</a> | 08/12/2024       | 10/26/2024             | Rahul Chavli       | None           | None             | Yogesh Patel         |
| <b>FROM</b> 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = Final Quantity: 200.000 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 | 313201 | 01/03/2025      | 01/03/2024 / Rajesh     | 07/20/2023 / Rajesh         | E3551          |

| 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 | 23B1556310 | 12/31/2025      | 12/04/2023 / Rajesh     | 12/01/2023 / Rajesh         | E3657          |

| 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) | 23H14626005 | 11/29/2024      | 05/29/2024 / Rajesh     | 05/23/2024 / Rajesh         | E3744          |

| 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) | 24E2462004 | 01/08/2025      | 07/08/2024 / Rajesh     | 06/21/2024 / Rajesh         | E3768          |

| 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) | 23H1462005 | 02/10/2025      | 08/10/2024 / Rajesh     | 07/24/2024 / Rajesh         | E3780          |

| 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) | 24F1062004 | 02/01/2025      | 08/01/2024 / Rajesh     | 07/16/2024 / Rajesh         | E3786          |

## CHEMICAL RECEIPT LOG BOOK

| 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) | 24G0862022 | 02/13/2025      | 08/13/2024 / Rajesh     | 08/07/2024 / Rajesh         | E3787          |

| 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) | 0000250349 | 12/15/2024      | 01/06/2022 / mohan      | 09/18/2021 / mohan          | M5037          |

| 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 | 02/08/2025      | 08/08/2024 / Jagrut     | 12/09/2021 / Christian      | S10103         |

| 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, | A0182667 | 01/15/2025      | 07/15/2024 / Rahul      | 03/18/2022 / Christian      | S10247         |

| Supplier | ItemCode / ItemName                                     | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4] | A0185300 | 10/26/2024      | 04/26/2024 / Rahul      | 05/18/2022 / Christian      | S10398         |

| Supplier | ItemCode / ItemName                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555868 / Custom Standard, Benzidine Std [CS 5328-1] | A0186373 | 02/12/2025      | 08/12/2024 / Rahul      | 07/05/2022 / Christian      | S10583         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate<br>10,000ug/ml,methanol,5ml/a<br>mpul | A0188108 | 08/31/2030      | 05/31/2024 /<br>Jagrut  | 12/28/2022 /<br>Christian   | S10972         |

| Supplier | ItemCode / ItemName                                          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate<br>10,000ug/ml,methanol,5ml/a<br>mpul | A0188108 | 11/30/2024      | 05/31/2024 /<br>Jagrut  | 12/28/2022 /<br>Christian   | S10973         |

| Supplier | ItemCode / ItemName                                          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate<br>10,000ug/ml,methanol,5ml/a<br>mpul | A0188108 | 11/30/2024      | 05/31/2024 /<br>Jagrut  | 12/28/2022 /<br>Christian   | S10974         |

| Supplier | ItemCode / ItemName                                          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate<br>10,000ug/ml,methanol,5ml/a<br>mpul | A0188108 | 11/30/2024      | 05/31/2024 /<br>Jagrut  | 12/28/2022 /<br>Christian   | S10975         |

| Supplier | ItemCode / ItemName                                          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate<br>10,000ug/ml,methanol,5ml/a<br>mpul | A0188108 | 11/30/2024      | 05/31/2024 /<br>Jagrut  | 12/28/2022 /<br>Christian   | S10976         |

| Supplier | ItemCode / ItemName                                          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|--------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31087 / Acid Surrogate<br>10,000ug/ml,methanol,5ml/a<br>mpul | A0188108 | 11/30/2024      | 05/31/2024 /<br>Jagrut  | 12/28/2022 /<br>Christian   | S10977         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 08/31/2028      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S10996         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S10997         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S10998         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S10999         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S11000         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S11001         |



## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S11002         |

| Supplier | ItemCode / ItemName                                                              | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31086 / Base Neutral Surrogate<br>5000ug/ml,CH <sub>2</sub> Cl <sub>2</sub> ,5ml | A0189418 | 11/30/2024      | 05/31/2024 / Jagrut     | 12/28/2022 / Christian      | S11003         |

| 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] | A0193449 | 10/26/2024      | 04/26/2024 / Rahul      | 01/13/2023 / Christian      | S11012         |

| Supplier          | ItemCode / ItemName                                                                       | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|-------------------------------------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 | 406703 | 02/08/2025      | 08/08/2024 / Jagrut     | 02/07/2023 / Christian      | S11084         |

days)

| Supplier          | ItemCode / ItemName                                                                 | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|-------------------------------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days) | 414125 | 02/08/2025      | 08/08/2024 / Jagrut     | 02/07/2023 / Christian      | S11093         |

| 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 | 495831 | 02/08/2025      | 08/08/2024 / Jagrut     | 02/07/2023 / Christian      | S11097         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier          | ItemCode / ItemName                                                             | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------------|---------------------------------------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| CPI International | Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 | 495833 | 02/08/2025      | 08/08/2024 / Jagrut     | 02/07/2023 / Christian      | S11103         |

Days)

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3] | A0194698 | 02/12/2025      | 08/12/2024 / Rahul      | 02/20/2023 / Christian      | S11138         |

| Supplier | ItemCode / ItemName                                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2] | A0194702 | 02/12/2025      | 08/12/2024 / Rahul      | 02/20/2023 / Christian      | S11141         |

| 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 | 02/08/2025      | 08/08/2024 / Jagrut     | 08/11/2023 / Yogesh         | S11494         |

| 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] | A0201940 | 02/12/2025      | 08/12/2024 / Rahul      | 09/18/2023 / Kiran          | S11555         |

[CS 4978-1]

| 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] | A0201940 | 02/12/2025      | 08/12/2024 / Rahul      | 09/18/2023 / Kiran          | S11561         |

[CS 4978-1]

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                                            | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555223 / Custom 8270<br>Plus Std #1 [2nd lot at \$100<br>per ampul if requested -<br>contact ARM with Request] | A0201940 | 12/05/2024      | 06/05/2024 /<br>Rahul   | 09/18/2023 /<br>Kiran       | S11566         |

[CS 4978-1]

| Supplier | ItemCode / ItemName                                                                                            | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555223 / Custom 8270<br>Plus Std #1 [2nd lot at \$100<br>per ampul if requested -<br>contact ARM with Request] | A0201940 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 09/18/2023 /<br>Kiran       | S11567         |

[CS 4978-1]

| Supplier | ItemCode / ItemName                                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31853 / 1,4-Dioxane, 2000<br>ug/ml , Solvent: Methylene<br>Chloride | A0196453 | 12/14/2024      | 06/14/2024 /<br>Rahul   | 11/21/2023 /<br>Rahul       | S11766         |

| Supplier | ItemCode / ItemName                                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31853 / 1,4-Dioxane, 2000<br>ug/ml , Solvent: Methylene<br>Chloride | A0196453 | 01/12/2025      | 07/12/2024 /<br>Rahul   | 11/21/2023 /<br>Rahul       | S11767         |

| Supplier | ItemCode / ItemName                                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31853 / 1,4-Dioxane, 2000<br>ug/ml , Solvent: Methylene<br>Chloride | A0196453 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 11/21/2023 /<br>Rahul       | S11768         |

| Supplier | ItemCode / ItemName                                                 | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 31853 / 1,4-Dioxane, 2000<br>ug/ml , Solvent: Methylene<br>Chloride | A0196453 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 11/21/2023 /<br>Rahul       | S11769         |

## CHEMICAL RECEIPT LOG BOOK

| 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 | 02/12/2025      | 08/12/2024 / Rahul      | 11/21/2023 / Rahul          | S11770         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> , 1mL | A0201320 | 01/01/2025      | 07/01/2024 / Rahul      | 12/21/2023 / Rahul          | S12033         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> , 1mL | A0201320 | 02/07/2025      | 08/07/2024 / anahy      | 12/21/2023 / Rahul          | S12039         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> , 1mL | A0201320 | 02/13/2025      | 08/13/2024 / anahy      | 12/21/2023 / Rahul          | S12041         |

| 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) | 414127 | 02/08/2025      | 08/08/2024 / Jagrut     | 01/31/2024 / Rahul          | S12077         |

| 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] | A0207706 | 01/09/2025      | 07/09/2024 / Jagrut     | 02/05/2024 / Rahul          | S12097         |

[CS 4978-2]

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270<br>Plus Std #2 [2nd lot at \$85<br>per ampul if requested -<br>contact ARM with Request] | A0207706 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 02/05/2024 /<br>Rahul       | S12098         |

[CS 4978-2]

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270<br>Plus Std #2 [2nd lot at \$85<br>per ampul if requested -<br>contact ARM with Request] | A0207706 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 02/05/2024 /<br>Rahul       | S12099         |

[CS 4978-2]

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270<br>Plus Std #2 [2nd lot at \$85<br>per ampul if requested -<br>contact ARM with Request] | A0207706 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 02/05/2024 /<br>Rahul       | S12100         |

[CS 4978-2]

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270<br>Plus Std #2 [2nd lot at \$85<br>per ampul if requested -<br>contact ARM with Request] | A0207706 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 02/05/2024 /<br>Rahul       | S12101         |

[CS 4978-2]

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270<br>Plus Std #2 [2nd lot at \$85<br>per ampul if requested -<br>contact ARM with Request] | A0207706 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 02/05/2024 /<br>Rahul       | S12102         |

[CS 4978-2]

| Supplier | ItemCode / ItemName                                                                                           | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555224 / Custom 8270<br>Plus Std #2 [2nd lot at \$85<br>per ampul if requested -<br>contact ARM with Request] | A0207706 | 02/12/2025      | 08/12/2024 /<br>Rahul   | 02/05/2024 /<br>Rahul       | S12103         |

[CS 4978-2]

## CHEMICAL RECEIPT LOG BOOK

| 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] | A0207706 | 02/12/2025      | 08/12/2024 / Rahul      | 02/05/2024 / Rahul          | S12104         |

[CS 4978-2]

| 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] | A0207706 | 02/12/2025      | 08/12/2024 / Rahul      | 02/05/2024 / Rahul          | S12105         |

[CS 4978-2]

| 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 | 01/09/2025      | 07/09/2024 / Jagrut     | 03/08/2024 / Rahul          | S12112         |

| 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] | A0203726 | 12/05/2024      | 06/05/2024 / Rahul      | 03/15/2024 / Rahul          | S12117         |

| 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] | A0203726 | 04/30/2025      | 01/10/2025 / Jagrut     | 03/15/2024 / Rahul          | S12118         |

| 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] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12119         |

## CHEMICAL RECEIPT LOG BOOK

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12120         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12121         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12122         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12123         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12124         |

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12125         |

## CHEMICAL RECEIPT LOG BOOK

| 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, CH <sub>2</sub> Cl <sub>2</sub> [New Solvent 100% CH <sub>2</sub> Cl <sub>2</sub> ] | A0203726 | 02/12/2025      | 08/12/2024 / Rahul      | 03/15/2024 / Rahul          | S12126         |

| 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] | A0214021 | 02/12/2025      | 08/12/2024 / Rahul      | 07/23/2024 / RAHUL          | S12449         |

[CS 4978-1]

| 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] | A0214021 | 02/12/2025      | 08/12/2024 / Rahul      | 07/23/2024 / RAHUL          | S12450         |

[CS 4978-1]

| 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] | A0214021 | 02/12/2025      | 08/12/2024 / Rahul      | 07/23/2024 / RAHUL          | S12451         |

[CS 4978-1]

| 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] | A0214021 | 02/12/2025      | 08/12/2024 / Rahul      | 07/23/2024 / RAHUL          | S12452         |

[CS 4978-1]

| 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] | A0214021 | 02/12/2025      | 08/12/2024 / Rahul      | 07/23/2024 / RAHUL          | S12453         |

[CS 4978-1]



**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             |



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-010074-07  | 406703   | ≤ -10 °C | Methylene Chloride | 3/30/2025  | 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL |

| Compound               | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|------------------------|---------|------------|------------------|---------------------|
| 3,3'-dichlorobenzidine | 91-94-1 | 99.5       | 74.3.26P         | 989 ± 7.53          |

Received on  
02/07/23  
by  
CG  
S11084  
to  
S11088

\*Not a certified value

Certified By: \_\_\_\_\_

Jacob Mulloy  
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.



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

|                     |                 |                 |                    |                   |                                        |
|---------------------|-----------------|-----------------|--------------------|-------------------|----------------------------------------|
| <b>Catalog No.:</b> | <b>Lot No.:</b> | <b>Storage:</b> | <b>Solvent:</b>    | <b>Exp. Date:</b> | <b>Description:</b>                    |
| Z-110817-01         | 414125          | ≤ -10 °C        | Methylene Chloride | 6/21/2025         | Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL |

| Compound                   | CAS No. | Purity (%) | Compound Lot No. | Concentration, mg/L |
|----------------------------|---------|------------|------------------|---------------------|
| acetophenone               | 98-86-2 | 99.2       | 85.8.1P          | 998 ± 11.5          |
| benzoic acid               | 65-85-0 | 100        | 123.7.1P         | 1010 ± 5.88         |
| biphenyl                   | 92-52-4 | 99.9       | 366.29.1P        | 999 ± 5.82          |
| 1,2,4,5-tetrachlorobenzene | 95-94-3 | 99.7       | 53.7.2P          | 993 ± 5.79          |

Received on  
02/07/23  
by  
CG  
S11089  
to  
S11093

\*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: \_\_\_\_\_

Shane Overcash  
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.



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

|                     |                 |                 |                    |                   |                                               |
|---------------------|-----------------|-----------------|--------------------|-------------------|-----------------------------------------------|
| <b>Catalog No.:</b> | <b>Lot No.:</b> | <b>Storage:</b> | <b>Solvent:</b>    | <b>Exp. Date:</b> | <b>Description:</b>                           |
| Z-112090            | 440246          | ≤ -10 °C        | Methylene Chloride | 2/16/2026         | CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL |
| -04                 |                 |                 |                    |                   |                                               |

| Compound                      | CAS No.    | Purity (%) | Compound Lot No. | Concentration, mg/L |
|-------------------------------|------------|------------|------------------|---------------------|
| 2-chlorophenol-d <sub>4</sub> | 93951-73-6 | 99.3       | 248.12.7P        | 7487 ± 17.2         |
| 2-fluorophenol                | 367-12-4   | 99.8       | 10.7.3.3P        | 7513 ± 17.26        |
| phenol-d <sub>6</sub>         | 13127-88-3 | 99.9       | 949.120.8P       | 7481 ± 17.19        |
| 2,4,6-tribromophenol          | 118-79-6   | 99.8       | 12.1.6P          | 7469 ± 17.17        |

Received on

02/25/21

by  
CG

S9236  
to

S9240

\*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

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.

Certified By: Erica Castiglione  
Erica Castiglione  
Chemist



5580 Skylane Blvd  
Santa Rosa, CA 95403

(707)525-5788  
(800)878-7654 Toll Free  
(707)545-7901 Fax

Receivalon  
02/07/23 by CG

Sheet 511096  
to  
511099

Manufacturer's Quality System  
Audited & Registered  
by TUV USA to ISO 9001:2015

Date Received: \_\_\_\_\_

## Certificate of Analysis

Rev 0

Page 1 of 4

| Catalog No.: | Lot No.: | Storage: | Solvent:           | Exp. Date: | Description:                                                   |
|--------------|----------|----------|--------------------|------------|----------------------------------------------------------------|
| Z-110381-01  | 495831   | ≤ -10 °C | Methylene Chloride | 10/30/2027 | 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          | 1003 ± 17.27        |
| acenaphthylene                    | 208-96-8 | 97.6       | 14.290.1P        | 999.8 ± 17.22       |
| aniline                           | 62-53-3  | 99.9       | 64.7.1P          | 995 ± 17.13         |
| anthracene                        | 120-12-7 | 99.5       | 15.7.1P          | 1001 ± 17.24        |
| azobenzene                        | 103-33-3 | 98.1       | 252.7.2P         | 999.1 ± 17.21       |
| benzo[a]anthracene                | 56-55-3  | 100        | 16.7.3P          | 1001 ± 17.24        |
| benzo[b]fluoranthene              | 205-99-2 | 99.8       | 17.421.3P        | 1001 ± 19.91        |
| benzo[k]fluoranthene              | 207-08-9 | 98.9       | 18.421.4P        | 1001 ± 17.92        |
| benzo[ghi]perylene                | 191-24-2 | 93         | 19.286.4P        | 999.6 ± 19.88       |
| benzo[a]pyrene                    | 50-32-8  | 97         | 20.286.2P        | 999.1 ± 26.35       |
| benzyl alcohol                    | 100-51-6 | 99.9       | 65.18.1P         | 1001 ± 17.24        |
| bis(2-chloroethoxy)methane        | 111-91-1 | 99.1       | 31.3.15P         | 999.7 ± 17.89       |
| bis(2-chloroethyl)ether           | 111-44-4 | 99.8       | 32.7.1P          | 1001 ± 17.23        |
| bis(2-chloro-1-methylethyl) ether | 108-60-1 | 99.5       | 34.3.13P         | 999.5 ± 17.89       |
| bis(2-ethylhexyl)adipate          | 103-23-1 | 99.5       | 874.7.1P         | 999.5 ± 17.21       |
| bis(2-ethylhexyl)phthalate        | 117-81-7 | 99.4       | 33.29.1P         | 998.8 ± 19.86       |
| 4-bromophenyl phenyl ether        | 101-55-3 | 99.4       | 35.7.1P          | 999.1 ± 17.2        |
| butyl benzyl phthalate            | 85-68-7  | 98.4       | 36.1.6P          | 984.7 ± 19.58       |
| carbazole                         | 86-74-8  | 99.4       | 239.7.2P         | 1000 ± 17.22        |

\*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

*Brianna Smith*

Certified By: \_\_\_\_\_

Brianna Smith  
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.: 495831

Expiration Date: 10/30/2027

| Compound               | CAS No.  | Purity (%) | Compound Lot No. | Concentration, mg/L |
|------------------------|----------|------------|------------------|---------------------|
| 1,2,4-trichlorobenzene | 120-82-1 | 99.6       | 54.29.1P         | 1000 ± 17.22        |
| 2,4,5-trichlorophenol  | 95-95-4  | 96.5       | 121.7.1.1P       | 1000 ± 17.22        |
| 2,4,6-trichlorophenol  | 88-06-2  | 99.6       | 113.7.1P         | 1002 ± 17.25        |

\*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:



Briana Smith  
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.



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

|                     |                 |                 |                    |                   |                                          |
|---------------------|-----------------|-----------------|--------------------|-------------------|------------------------------------------|
| <b>Catalog No.:</b> | <b>Lot No.:</b> | <b>Storage:</b> | <b>Solvent:</b>    | <b>Exp. Date:</b> | <b>Description:</b>                      |
| Z-010442-07         | 495833          | ≤ -10 °C        | Methylene Chloride | 1/16/2028         | Benzaldehyde Solution, 1000 mg/L, 1.3 mL |

| <u>Compound</u> | <u>CAS No.</u> | <u>Purity (%)</u> | <u>Compound Lot No.</u> | <u>Concentration, mg/L</u> |
|-----------------|----------------|-------------------|-------------------------|----------------------------|
| benzaldehyde    | 100-52-7       | 98.3              | 442.421.1P              | 996.8 ± 11.49              |

Received on  
02/07/23  
by CG

S11101  
to  
S11103

\*Not a certified value

Certified By: \_\_\_\_\_

*S. Hunter*

Scott Hunter  
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: (800)356-1688  
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis



### 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.*

Received on  
03/10/22  
by  
CG  
S10242  
to  
S10247

**Catalog No. :** 31615 **Lot No.:** A0182667  
**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 :** March 31, 2025 **Storage:** 10°C or colder  
**Handling:** Contains carcinogen/reproductive toxin. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                                                             | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                       |                                       |
|---------------|--------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------|---------------------------------------|
| 1             | Pentachlorophenol<br>CAS # 87-86-5 (Lot 211229RSR)<br>Purity 99%                     | 1,003.6 µg/mL               | +/- 5.8897 µg/mL<br>+/- 45.7132 µg/mL<br>+/- 66.0037 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 2             | DFTPP (Decafluorotriphenylphosphine)<br>CAS # 5074-71-5 (Lot Q117-147)<br>Purity 95% | 1,006.6 µg/mL               | +/- 5.9074 µg/mL<br>+/- 45.8508 µg/mL<br>+/- 66.2023 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 3             | Benzidine<br>CAS # 92-87-5 (Lot 211228JLM)<br>Purity 99%                             | 1,008.4 µg/mL               | +/- 5.9179 µg/mL<br>+/- 45.9318 µg/mL<br>+/- 66.3193 µg/mL | Gravimetric<br>Unstressed<br>Stressed |
| 4             | 4,4'-DDT<br>CAS # 50-29-3 (Lot 210916JLM)<br>Purity 99%                              | 1,007.6 µg/mL               | +/- 5.9132 µg/mL<br>+/- 45.8954 µg/mL<br>+/- 66.2667 µg/mL | Gravimetric<br>Unstressed<br>Stressed |

**Solvent:** Methylene chloride  
CAS # 75-09-2  
Purity 99%



**Column:**  
30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

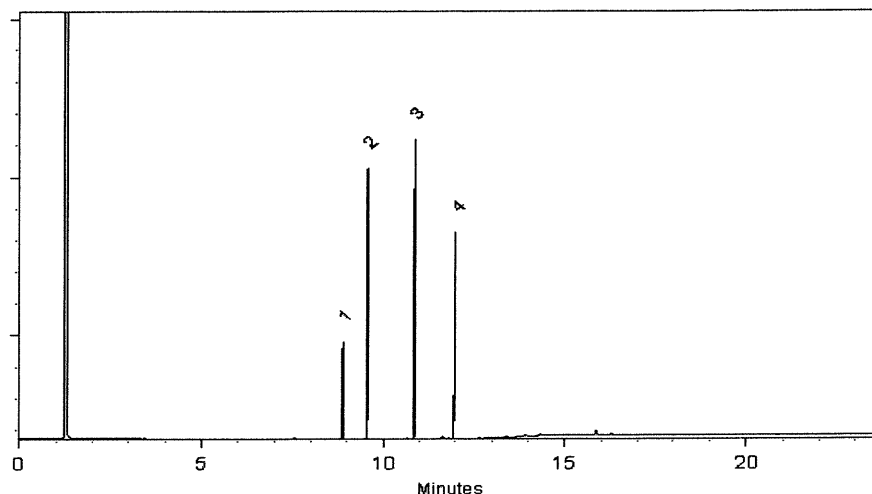
**Carrier Gas:**  
hydrogen-constant pressure 10 psi.

**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



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.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022

Balance: B345965662

Marlene Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Gravimetric Certificate



### 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. :** 555871 **Lot No.:** A0185300

**Description :** Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2025 **Storage:** 10°C or colder

**Ship:** Ambient

Received by  
CG on  
05/18/22  
S10393  
+0  
S10402

### CERTIFIED VALUES

| Component # | Compound                                                        | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                           |
|-------------|-----------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------|
| 1           | 4-Nitrophenol<br>CAS # 100-02-7<br>Purity 99%<br>(Lot MKCN1089) | 25,060.0 µg/mL              | +/- 231.9100 µg/mL Gravimetric<br>+/- 753.2622 µg/mL Unstressed<br>+/- 905.6020 µg/mL Stressed |

**Solvent:** Methanol  
CAS # 67-56-1  
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 Balance: 1128342314

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 combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us) for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions                                          | Standard Conditions | Non-Standard Conditions |
|-----------------------------------------------------------|---------------------|-------------------------|
| 25°C Nominal (Room Temperature)                           | < 60°C              | ≥ 60°C up to 7 days     |
| 10°C or colder (Refrigerate)                              | < 40°C              | ≥ 40°C up to 7 days     |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C              | ≥ 25°C up to 7 days     |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us).
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.



110 Benner Circle  
 Bellefonte, PA 16823-8812  
 Tel: (800)356-1688  
 Fax: (814)353-1309

www.restek.com

# CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis



### 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.*

Received by  
 CG on  
 12/28/22  
 S10951  
 to  
 S10980

**Catalog No. :** 31087 **Lot No.:** A0188108

**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 :** August 31, 2030 **Storage:** 10°C or colder  
**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                                               | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                          |
|---------------|------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------|
| 1             | 2-Fluorophenol<br>CAS # 367-12-4<br>Purity 99%<br>(Lot STBF3761V)      | 10,088.5 µg/mL              | +/- 58.6554 µg/mL Gravimetric<br>+/- 294.4162 µg/mL Unstressed<br>+/- 357.2628 µg/mL Stressed |
| 2             | Phenol-d6<br>CAS # 13127-88-3<br>Purity 99%<br>(Lot PR-31262)          | 10,043.3 µg/mL              | +/- 58.3923 µg/mL Gravimetric<br>+/- 293.0957 µg/mL Unstressed<br>+/- 355.6603 µg/mL Stressed |
| 3             | 2,4,6-Tribromophenol<br>CAS # 118-79-6<br>Purity 99%<br>(Lot MKCJ7664) | 10,010.0 µg/mL              | +/- 58.1990 µg/mL Gravimetric<br>+/- 292.1253 µg/mL Unstressed<br>+/- 354.4829 µg/mL Stressed |

**Solvent:** Methanol  
 CAS # 67-56-1  
 Purity 99%

**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:**

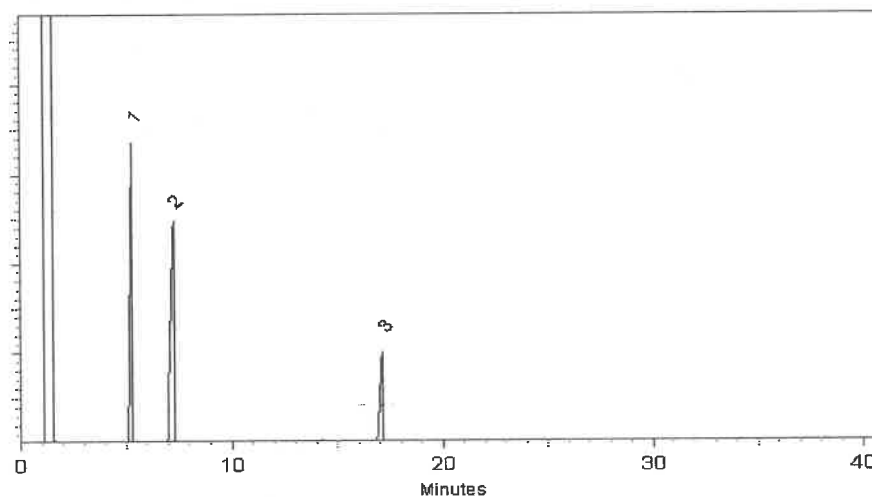
250°C

**Det. Temp:**

330°C

**Det. Type:**

FID



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.

  
Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 Balance: 1127510105

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis



### 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.*

Received by  
CG on  
12/28/22  
\$10981  
to  
\$11010

**Catalog No. :** 31086 **Lot No.:** A0189418  
**Description :** B/N Surrogate Mix (4/89 SOW)  
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul  
**Container Size :** 5 mL **Pkg Amt:** > 5 mL  
**Expiration Date :** August 31, 2028 **Storage:** 10°C or colder  
**Handling:** Sonicate prior to use. **Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                                         | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                          |
|---------------|------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------|
| 1             | Nitrobenzene-d5<br>CAS # 4165-60-0 (Lot PR-29940A)<br>Purity 99% | 5,009.8 µg/mL               | +/- 29.1271 µg/mL Gravimetric<br>+/- 225.6421 µg/mL Unstressed<br>+/- 250.3778 µg/mL Stressed |
| 2             | 2-Fluorobiphenyl<br>CAS # 321-60-8 (Lot 00021384)<br>Purity 99%  | 5,026.6 µg/mL               | +/- 29.2250 µg/mL Gravimetric<br>+/- 226.4003 µg/mL Unstressed<br>+/- 251.2191 µg/mL Stressed |
| 3             | p-Terphenyl-d14<br>CAS # 1718-51-0 (Lot PR-30504)<br>Purity 99%  | 5,027.3 µg/mL               | +/- 29.2289 µg/mL Gravimetric<br>+/- 226.4304 µg/mL Unstressed<br>+/- 251.2524 µg/mL Stressed |

**Solvent:** Methylene chloride  
CAS # 75-09-2  
Purity 99%

#### Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

**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:**

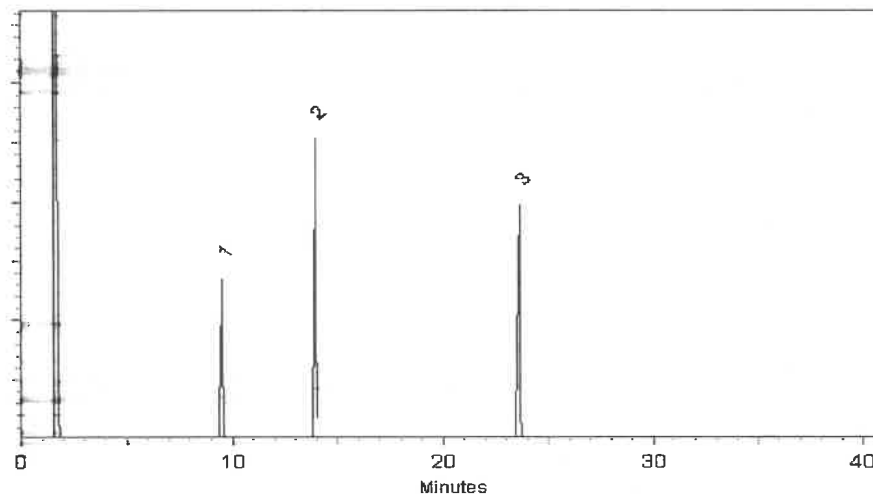
250°C

**Det. Temp:**

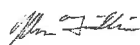
330°C

**Det. Type:**

FID



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.

  
John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



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

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.:** A0193449  
**Description :** Custom Pentachlorophenol Standard  
Custom Pentachlorophenol Standard 25,000µg/mL, Methanol,  
1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** January 31, 2026 **Storage:** 10°C or colder  
**Ship:** Ambient

Received on  
01/13/23  
by  
CG  
S11011  
+0  
S11015

## CERTIFIED VALUES

| Component # | Compound          | CAS #   | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|-------------|-------------------|---------|----------|--------|-----------------------------|----------------------------------------|
| 1           | Pentachlorophenol | 87-86-5 | RP221012 | 99%    | 25,050.0 µg/mL              | +/- 778.6378                           |

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

*Russ Bookhamer*

Russ Bookhamer - Operations Technician I

**Date Mixed:** 11-Jan-2023

**Balance:** B442140311

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

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. :** 555870 **Lot No.:** A0194698  
**Description :** Custom 2,4-Dinitrophenol Standard  
Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder  
**Ship:** Ambient

CERTIFI

| Component # | Compound          | CAS #   | Lot #       | Purity | Grav. Conc. (weight/volume) |
|-------------|-------------------|---------|-------------|--------|-----------------------------|
| 1           | 2,4-Dinitrophenol | 51-28-5 | DR221221RSR | 99%    | 25,195.0 µg/mL              |

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-Feb-2023

**Balance:** B442140311

Manufactured under Restek®  
Registered Quality  
Certificate #FM 8

# Certified Reference Material Notes

**Notes:**

The expiration date valid for unopened ampul stored in compliance with the recommended conditions. Purity, concentration, and expiration of the CRM are based on the unopened product being stored according to the intended condition found in the storage field.

The purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

Samples 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 compound in solution.

The purity of isomeric compounds is reported as the sum of the isomers.

All values are rounded to the nearest whole number.

**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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

A coverage factor of 2, which gives a level of confidence of approximately 95%.

The minimum packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure the minimum packaged amount can be sufficiently transferred.

**Notes:**

The preparation is based upon gravimetric preparation using either a balance whose calibration has been verified daily with traceable weights, and/or dilutions with Class A glassware.

The unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration date 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 standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom option. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

If dissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



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

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. :** 555869 **Lot No.:** A0194702

**Description :** Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED

| Component # | Compound                  | CAS #   | Lot #   | Purity | Grav. Conc. (weight/volume) |
|-------------|---------------------------|---------|---------|--------|-----------------------------|
| 1           | Hexachlorocyclopentadiene | 77-47-4 | 0012019 | 99%    | 25,008.0 µg/mL              |

**Solvent:** Methanol  
**CAS #** 67-56-1  
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-Feb-2023

**Balance:** B442140311

Manufactured under Restek  
Registered Quality  
Certificate #FM1

**ified Reference Material Notes**

**Notes:**

n date valid for unopened ampul stored in compliance with the recommended conditions.  
 nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the  
 ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,  
 LC/MS, RI, and/or melting point.  
 rds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A  
 n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the  
 mpound in solution.  
 isomeric compounds is reported as the sum of the isomers.  
 ues are rounded to the nearest whole number.

**ertainty Value Notes:**

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded  
 ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability  
 ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

arage factor of 2, which gives a level of confidence of approximately 95%.  
 ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure  
 nimum packaged amount can be sufficiently transferred.

**Notes:**

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily  
 traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through  
 ion displayed on the product label and certificate. Contact Restek for additional opened product stability  
 i, with the knowledge/understanding that open product stability is subject to the specific handling and  
 ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with  
 ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom  
 m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,  
 des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



**PRODUCTOS  
QUÍMICOS  
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR  
MONTERREY, N.L. MEXICO  
CP 64070  
TEL +52 81 13 52 57 57  
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: | ABR/21/2023                     |
| LOT NUMBER :           | 313201                            |               |                                 |

| TEST                                     | SPECIFICATIONS | LOT VALUES  |
|------------------------------------------|----------------|-------------|
| Assay (Na <sub>2</sub> SO <sub>4</sub> ) | Min. 99.0%     | 99.7 %      |
| pH of a 5% solution at 25°C              | 5.2 - 9.2      | 6.1         |
| Insoluble matter                         | Max. 0.01%     | 0.005 %     |
| 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%     | 0.002 %     |
| Magnesium (Mg)                           | Max. 0.005%    | 0.001 %     |
| Potassium (K)                            | Max. 0.008%    | 0.003 %     |
| 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%        | 0.1 %       |
| Retained on US Standard No. 60 sieve     | Min. 94%       | 97.3 %      |
| Through US Standard No. 60 sieve         | Max. 5%        | 2.5 %       |
| 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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3





# Certificate of Analysis

## Sodium Hydroxide (Pellets)

**Material:** 0583  
**Grade:** ACS GRADE  
**Batch Number:** 23B1556310

**Chemical Formula:** NaOH  
**Molecular Weight:** 40  
**CAS #:** 1310-73-2  
**Appearance:**

**Manufacture Date:** 12/14/2022  
**Expiration Date:** 12/31/2025

**Storage:** Room Temperature

Pellets

| TEST               | SPECIFICATION          | ANALYSIS            | DISPOSITION |
|--------------------|------------------------|---------------------|-------------|
| Calcium            | $\leq 0.005 \%$        | $< 0.005 \%$        | PASS        |
| Chloride           | $\leq 0.005 \%$        | 0.002 %             | PASS        |
| Heavy Metals       | $\leq 0.002 \%$        | $< 0.002 \%$        | PASS        |
| Iron               | $\leq 0.001 \%$        | $< 0.001 \%$        | PASS        |
| Magnesium          | $\leq 0.002 \%$        | $< 0.002 \%$        | PASS        |
| Mercury            | $\leq 0.1 \text{ ppm}$ | $< 0.1 \text{ ppm}$ | PASS        |
| Nickel             | $\leq 0.001 \%$        | $< 0.001 \%$        | PASS        |
| Nitrogen Compounds | $\leq 0.001 \%$        | $< 0.001 \%$        | PASS        |
| Phosphate          | $\leq 0.001 \%$        | $< 0.001 \%$        | PASS        |
| Potassium          | $\leq 0.02 \%$         | $< 0.02 \%$         | PASS        |
| Purity             | $\geq 97.0 \%$         | 99.2 %              | PASS        |
| Sodium Carbonate   | $\leq 1.0 \%$          | 0.5 %               | PASS        |
| Sulfate            | $\leq 0.003 \%$        | $< 0.003 \%$        | PASS        |

Internal ID #: 710

### Signature

We certify that this batch conforms to the specifications listed.

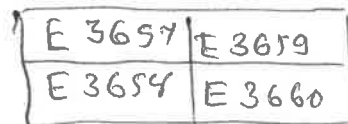
This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon  
VWR Chemicals, LLC.  
28600 Fountain Parkway, Solon OH 44139 USA

### Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.



Material No.: 9254-03  
Batch No.: 23H1462005  
Manufactured Date: 2023-07-26  
Expiration Date: 2026-07-25  
Revision No.: 0

## Certificate of Analysis

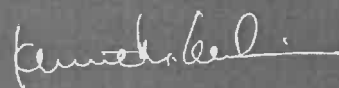
| Test                                                                    | Specification | Result      |
|-------------------------------------------------------------------------|---------------|-------------|
| Assay ((CH <sub>3</sub> ) <sub>2</sub> CO) (by GC, corrected for water) | ≥ 99.4 %      | 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: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec'd by RP on 5/23/24

E 3744



Ken Koehnlein  
Sr. Manager, Quality Assurance



Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 24E2462004  
Manufactured Date: 2024-04-10  
Expiration Date: 2025-07-10  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                             | Specification          | Result   |
|--------------------------------------------------------------------------------------------------|------------------------|----------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                             | $\leq 5$               | 3        |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)                             | $\leq 10$              | 3        |
| Assay (CH <sub>2</sub> Cl <sub>2</sub> ) (by GC, exclusive of preservative, corrected for water) | $\geq 99.8 \%$         | 100.0 %  |
| Color (APHA)                                                                                     | $\leq 10$              | 5        |
| Residue after Evaporation                                                                        | $\leq 1.0 \text{ ppm}$ | 0.1 ppm  |
| Titration Acid ( $\mu\text{eq/g}$ )                                                              | $\leq 0.3$             | < 0.1    |
| Chloride (Cl)                                                                                    | $\leq 10 \text{ ppm}$  | 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: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC  
Manufacturer source batch: MG24D10725

E 3768

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

Page 1 of 1

Acetone  
BAKER RESI-ANALYZED® Reagent  
For Organic Residue Analysis



Material No.: 9254-03  
Batch No.: 23H1462005  
Manufactured Date: 2023-07-26  
Expiration Date: 2026-07-25  
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: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 7/24/24

E 3780

Ken Koehnlein  
Sr. Manager, Quality Assurance

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 24F1062004  
Manufactured Date: 2024-04-15  
Expiration Date: 2025-07-15  
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)                       | $\leq 10$      | 7       |
| 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: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC  
Manufacturer source batch: MG24D15750

E 3786

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  
Page 1 of 1

Methylene Chloride  
ULTRA RESI-ANALYZED  
For Organic Residue Analysis  
(dichloromethane)



Material No.: 9266-A4  
Batch No.: 24G0862022  
Manufactured Date: 2024-06-05  
Expiration Date: 2025-09-04  
Revision No.: 0

## Certificate of Analysis

| Test                                                                                             | Specification  | Result   |
|--------------------------------------------------------------------------------------------------|----------------|----------|
| FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)                             | $\leq 5$       | 3        |
| ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)                             | $\leq 10$      | 4        |
| Assay (CH <sub>2</sub> Cl <sub>2</sub> ) (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 | 0.3 ppm  |
| Titration Acid (μeq/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: USA  
Packaging Site: Phillipsburg Mfg Ctr & DC  
Manufacturer source batch: MG24F05012

E 3787

Jamie Croak  
Director Quality Operations, Bioscience Production

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantor™



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

## Certificate of Analysis

| Test                                                         | Specification | Result |
|--------------------------------------------------------------|---------------|--------|
| ACS - Assay (H <sub>2</sub> SO <sub>4</sub> )                | 95.0 - 98.0 % | 96.5   |
| Appearance                                                   | Passes Test   | PT     |
| ACS - Color (APHA)                                           | <= 10         | 5      |
| ACS - Residue after Ignition                                 | <= 3 ppm      | 1      |
| ACS - Substances Reducing Permanganate (as SO <sub>2</sub> ) | <= 2 ppm      | < 2    |
| Ammonium (NH <sub>4</sub> )                                  | <= 1 ppm      | < 1    |
| Chloride (Cl)                                                | <= 0.1 ppm    | < 0.1  |
| Nitrate (NO <sub>3</sub> )                                   | <= 0.2 ppm    | < 0.1  |
| Phosphate (PO <sub>4</sub> )                                 | <= 0.5 ppm    | < 0.1  |
| Trace Impurities - Aluminum (Al)                             | <= 30.0 ppb   | 0.2    |
| Arsenic and Antimony (as As)                                 | <= 4 ppb      | < 2    |
| Trace Impurities - Barium (Ba)                               | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Beryllium (Be)                            | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Bismuth (Bi)                              | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Boron (B)                                 | <= 10.0 ppb   | < 5.0  |
| Trace Impurities - Cadmium (Cd)                              | <= 2.0 ppb    | < 0.3  |
| Trace Impurities - Calcium (Ca)                              | <= 50.0 ppb   | 2.9    |
| Trace Impurities - Chromium (Cr)                             | <= 6.0 ppb    | < 0.4  |
| Trace Impurities - Cobalt (Co)                               | <= 0.5 ppb    | < 0.3  |
| Trace Impurities - Copper (Cu)                               | <= 1.0 ppb    | < 0.1  |
| Trace Impurities - Gallium (Ga)                              | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Germanium (Ge)                            | <= 10.0 ppb   | < 10.0 |
| Trace Impurities - Gold (Au)                                 | <= 10.0 ppb   | < 0.2  |
| Heavy Metals (as Pb)                                         | <= 500 ppb    | < 100  |

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

| Test                               | Specification | Result |
|------------------------------------|---------------|--------|
| Trace Impurities - Iron (Fe)       | <= 50.0 ppb   | 4.1    |
| Trace Impurities - Lead (Pb)       | <= 0.5 ppb    | < 0.5  |
| Trace Impurities - Lithium (Li)    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Magnesium (Mg)  | <= 7.0 ppb    | 0.4    |
| Trace Impurities - Manganese (Mn)  | <= 1.0 ppb    | < 0.4  |
| Trace Impurities - Mercury (Hg)    | <= 0.5 ppb    | < 0.1  |
| Trace Impurities - Molybdenum (Mo) | <= 10.0 ppb   | < 5.0  |
| Trace Impurities - Nickel (Ni)     | <= 2.0 ppb    | < 0.3  |
| Trace Impurities - Niobium (Nb)    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Potassium (K)   | <= 500.0 ppb  | < 2.0  |
| Trace Impurities - Selenium (Se)   | <= 50.0 ppb   | 22.9   |
| Trace Impurities - Silicon (Si)    | <= 100.0 ppb  | < 10.0 |
| Trace Impurities - Silver (Ag)     | <= 1.0 ppb    | < 0.3  |
| Trace Impurities - Sodium (Na)     | <= 500.0 ppb  | 2.7    |
| Trace Impurities - Strontium (Sr)  | <= 5.0 ppb    | < 0.2  |
| Trace Impurities - Tantalum (Ta)   | <= 10.0 ppb   | < 5.0  |
| Trace Impurities - Thallium (Tl)   | <= 20.0 ppb   | < 5.0  |
| Trace Impurities - Tin (Sn)        | <= 5.0 ppb    | < 0.8  |
| Trace Impurities - Titanium (Ti)   | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Vanadium (V)    | <= 10.0 ppb   | < 1.0  |
| Trace Impurities - Zinc (Zn)       | <= 5.0 ppb    | 0.3    |
| Trace Impurities - Zirconium (Zr)  | <= 10.0 ppb   | < 1.0  |

For Laboratory, Research or Manufacturing Use

Country of Origin: US  
Packaging Site: Phillipsburg Mfg Ctr & DC

*James Ethier*  
Jamie Ethier  
Vice President Global Quality

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





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

|                     |                 |                 |                    |                   |                                                       |
|---------------------|-----------------|-----------------|--------------------|-------------------|-------------------------------------------------------|
| <b>Catalog No.:</b> | <b>Lot No.:</b> | <b>Storage:</b> | <b>Solvent:</b>    | <b>Exp. Date:</b> | <b>Description:</b>                                   |
| Z-110094-02         | 506889          | ≤ -10 °C        | Methylene Chloride | 7/25/2028         | 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.  
↓  
511498 } 08/11/2023

\*Not a certified value

Certified By: Shane C. Tipton  
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

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.: A0201940

Description :

Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size :

2 mL

Expiration Date :

September 30, 2025

Handling:

This product is photosensitive.

Pkg Amt: > 1 mL

Storage: 10°C or colder

Ship: Ambient

511539  
↓  
51568  
7.6  
0911

## 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   | S230321RSR | 99%    | 1,001.0 µg/mL               | +/- 22.9799                            |
| 2           | Atrazine               | 1912-24-9 | 5FYWL      | 99%    | 1,010.0 µg/mL               | +/- 23.1865                            |
| 3           | Benzidine              | 92-87-5   | S221205RSR | 99%    | 1,008.0 µg/mL               | +/- 23.1406                            |
| 4           | epsilon-Caprolactam    | 105-60-2  | I16X016    | 99%    | 1,008.0 µg/mL               | +/- 23.1406                            |

Solvent:

Methylene chloride

CAS # 75-09-2

Purity 99%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023

Balance: B345965662

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:**

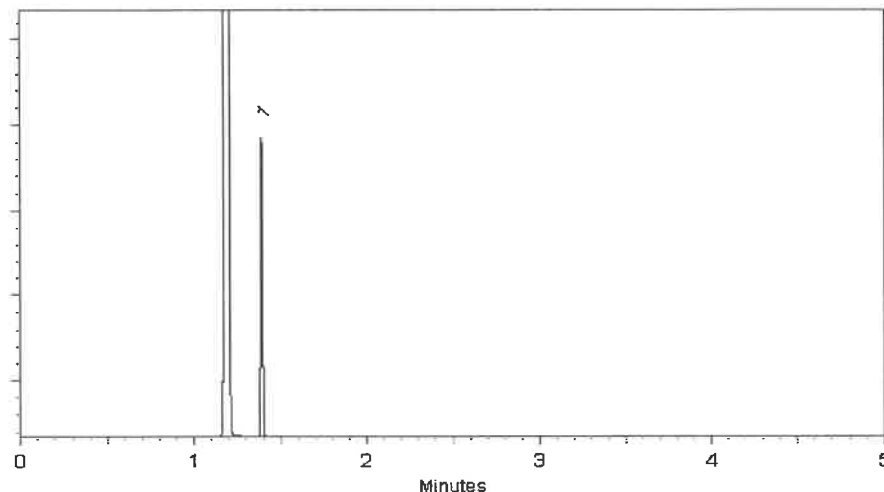
FID

**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.



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. :** 31206 **Lot No.:** A0201320

**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 :** July 31, 2029 **Storage:** 10°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

S12013  
↓  
S12042 } RC  
12/26/23

### 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%    | 2,017.0 µg/mL               | +/- 90.8469                            |
| 2             | Naphthalene-d8         | 1146-65-2  | M-2180   | 99%    | 2,011.3 µg/mL               | +/- 90.5917                            |
| 3             | Acenaphthene-d10       | 15067-26-2 | PR-33507 | 99%    | 2,008.6 µg/mL               | +/- 90.4685                            |
| 4             | Phenanthrene-d10       | 1517-22-2  | PR-32303 | 99%    | 2,019.4 µg/mL               | +/- 90.9550                            |
| 5             | Chrysene-d12           | 1719-03-5  | PR-32210 | 99%    | 2,013.7 µg/mL               | +/- 90.6968                            |
| 6             | Perylene-d12           | 1520-96-3  | PR-33205 | 99%    | 2,012.7 µg/mL               | +/- 90.6517                            |

\* 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:**

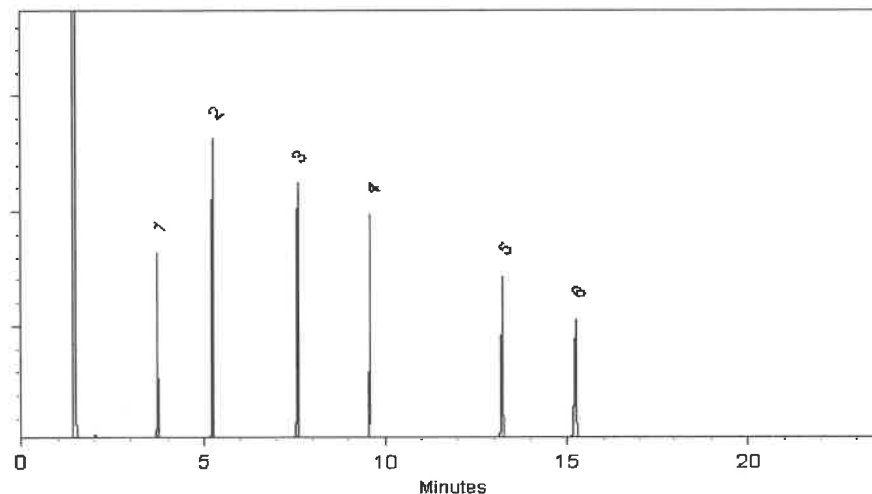
FID

**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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023

Balance Serial # B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

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

Page 1 of 1

|                     |                 |                 |                    |                   |                                           |
|---------------------|-----------------|-----------------|--------------------|-------------------|-------------------------------------------|
| <b>Catalog No.:</b> | <b>Lot No.:</b> | <b>Storage:</b> | <b>Solvent:</b>    | <b>Exp. Date:</b> | <b>Description:</b>                       |
| Z-110816-01         | 414127          | ≤ -10 °C        | Methylene Chloride | 6/21/2025         | 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       | 337.7.3P         | 997 ± 5.81          |
| benzidine   | 92-87-5   | 99.9       | 124.18.6.2P      | 991.8 ± 5.77        |
| caprolactam | 105-60-2  | 99.9       | 271.1.6P         | 999 ± 5.82          |

912075 } RC  
↓  
912079 } 02/01/24

\*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: \_\_\_\_\_

Shane Overcash  
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

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.:** A0207706

**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 :** February 28, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

512082 } RC/  
↓  
512111 } 02/22/24

## 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%    | 1,001.0 µg/mL               | +/- 29.424320                          |
| 2           | Acetophenone               | 98-86-2  | STBH8205     | 99%    | 1,004.0 µg/mL               | +/- 29.512504                          |
| 3           | Benzaldehyde               | 100-52-7 | RD231129RSRA | 99%    | 1,005.0 µg/mL               | +/- 29.541899                          |
| 4           | Benzoic acid               | 65-85-0  | MKCR2694     | 99%    | 1,003.0 µg/mL               | +/- 29.483110                          |
| 5           | Biphenyl                   | 92-52-4  | MKCL6515     | 99%    | 1,006.0 µg/mL               | +/- 29.571294                          |

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662





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.



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. :** 31850 **Lot No.:** A0203726

**Description :** 8270 MegaMix®  
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2025 **Storage:** 0°C or colder

**Handling:** Sonication required. Mix is photosensitive. **Ship:** Ambient

512117 } RC/  
↓ 03/18/24  
512146 }

### CERTIFIED VALUES

| Elution Order | Compound                     | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Pyridine                     | 110-86-1 | SHBP6240    | 99%    | 1,001.6 µg/mL               | +/- 36.4412                            |
| 2             | N-Nitrosodimethylamine       | 62-75-9  | 230209JLM   | 99%    | 1,005.9 µg/mL               | +/- 36.5968                            |
| 3             | Phenol                       | 108-95-2 | MKCK1120    | 99%    | 1,003.3 µg/mL               | +/- 36.5038                            |
| 4             | Aniline                      | 62-53-3  | X22F726     | 99%    | 1,005.8 µg/mL               | +/- 36.5928                            |
| 5             | Bis(2-chloroethyl)ether      | 111-44-4 | SHBL6942    | 99%    | 1,008.1 µg/mL               | +/- 36.6776                            |
| 6             | 2-Chlorophenol               | 95-57-8  | STBJ3909    | 99%    | 1,001.8 µg/mL               | +/- 36.4492                            |
| 7             | 1,3-Dichlorobenzene          | 541-73-1 | BCCD5315    | 99%    | 1,002.3 µg/mL               | +/- 36.4654                            |
| 8             | 1,4-Dichlorobenzene          | 106-46-7 | MKBS7929V   | 99%    | 1,003.7 µg/mL               | +/- 36.5159                            |
| 9             | Benzyl alcohol               | 100-51-6 | SHBK5469    | 99%    | 1,008.7 µg/mL               | +/- 36.6979                            |
| 10            | 1,2-Dichlorobenzene          | 95-50-1  | SHBN3835    | 99%    | 1,000.3 µg/mL               | +/- 36.3926                            |
| 11            | 2-Methylphenol (o-cresol)    | 95-48-7  | SHBN7598    | 99%    | 1,003.5 µg/mL               | +/- 36.5099                            |
| 12            | 2,2'-oxybis(1-chloropropane) | 108-60-1 | 29-MAR-45-5 | 99%    | 1,007.3 µg/mL               | +/- 36.6493                            |
| 13            | 3-Methylphenol (m-cresol)    | 108-39-4 | STBJ0710    | 99%    | 504.3 µg/mL                 | +/- 18.3500                            |
| 14            | 4-Methylphenol (p-cresol)    | 106-44-5 | SHBN3411    | 99%    | 503.6 µg/mL                 | +/- 18.3237                            |
| 15            | N-Nitroso-di-n-propylamine   | 621-64-7 | N63MG       | 99%    | 1,008.3 µg/mL               | +/- 36.6857                            |
| 16            | Hexachloroethane             | 67-72-1  | QTORH       | 99%    | 1,007.5 µg/mL               | +/- 36.6554                            |
| 17            | Nitrobenzene                 | 98-95-3  | 10224044    | 99%    | 1,008.6 µg/mL               | +/- 36.6938                            |

|    |                                               |           |             |     |         |       |             |    |
|----|-----------------------------------------------|-----------|-------------|-----|---------|-------|-------------|----|
| 18 | Isophorone                                    | 78-59-1   | MKCC9506    | 99% | 1,005.9 | µg/mL | +/- 36.5988 | 1  |
| 19 | 2-Nitrophenol                                 | 88-75-5   | RP230710    | 99% | 1,003.2 | µg/mL | +/- 36.4998 | 2  |
| 20 | 2,4-Dimethylphenol                            | 105-67-9  | XW5GK       | 99% | 1,003.8 | µg/mL | +/- 36.5200 | 3  |
| 21 | Bis(2-chloroethoxy)methane                    | 111-91-1  | 13670200    | 99% | 1,002.1 | µg/mL | +/- 36.4573 | 4  |
| 22 | 2,4-Dichlorophenol                            | 120-83-2  | BCBZ6787    | 99% | 1,003.7 | µg/mL | +/- 36.5180 | 5  |
| 23 | 1,2,4-Trichlorobenzene                        | 120-82-1  | SHBP5900    | 99% | 1,007.6 | µg/mL | +/- 36.6574 | 6  |
| 24 | Naphthalene                                   | 91-20-3   | STBL1057    | 99% | 1,008.3 | µg/mL | +/- 36.6837 | 7  |
| 25 | 4-Chloroaniline                               | 106-47-8  | BCCJ3217    | 99% | 1,001.3 | µg/mL | +/- 36.4290 | 8  |
| 26 | Hexachlorobutadiene                           | 87-68-3   | RP230823RSR | 98% | 1,008.3 | µg/mL | +/- 36.6829 | 9  |
| 27 | 4-Chloro-3-methylphenol                       | 59-50-7   | BCCD4461    | 99% | 1,003.1 | µg/mL | +/- 36.4937 | 10 |
| 28 | 2-Methylnaphthalene                           | 91-57-6   | STBK0259    | 96% | 1,001.9 | µg/mL | +/- 36.4505 | 11 |
| 29 | 1-Methylnaphthalene                           | 90-12-0   | 5234.00-8   | 98% | 1,000.0 | µg/mL | +/- 36.3838 | 12 |
| 30 | Hexachlorocyclopentadiene                     | 77-47-4   | 099063I14L  | 98% | 1,008.5 | µg/mL | +/- 36.6909 | 13 |
| 31 | 2,4,6-Trichlorophenol                         | 88-06-2   | STBJ5914    | 99% | 1,004.4 | µg/mL | +/- 36.5442 | 14 |
| 32 | 2,4,5-Trichlorophenol                         | 95-95-4   | FHN01       | 98% | 1,001.9 | µg/mL | +/- 36.4512 | 15 |
| 33 | 2-Chloronaphthalene                           | 91-58-7   | RPN7O       | 99% | 1,001.1 | µg/mL | +/- 36.4230 | 16 |
| 34 | 2-Nitroaniline                                | 88-74-4   | RP230531    | 99% | 1,002.9 | µg/mL | +/- 36.4876 | 17 |
| 35 | 1,4-Dinitrobenzene                            | 100-25-4  | RP230816    | 99% | 1,005.7 | µg/mL | +/- 36.5887 |    |
| 36 | Acenaphthylene                                | 208-96-8  | p06V        | 98% | 1,009.5 | µg/mL | +/- 36.7265 |    |
| 37 | 1,3-Dinitrobenzene                            | 99-65-0   | 1-DXX-24-1  | 99% | 1,004.4 | µg/mL | +/- 36.5422 |    |
| 38 | Dimethylphthalate                             | 131-11-3  | 358221L17K  | 99% | 1,005.9 | µg/mL | +/- 36.5968 |    |
| 39 | 2,6-Dinitrotoluene                            | 606-20-2  | BCCG1833    | 99% | 1,003.2 | µg/mL | +/- 36.4998 |    |
| 40 | 1,2-Dinitrobenzene                            | 528-29-0  | RP230428    | 99% | 1,002.2 | µg/mL | +/- 36.4634 |    |
| 41 | Acenaphthene                                  | 83-32-9   | MKCR7169    | 99% | 1,009.3 | µg/mL | +/- 36.7221 |    |
| 42 | 3-Nitroaniline                                | 99-09-2   | RP230822RSR | 99% | 1,003.9 | µg/mL | +/- 36.5240 |    |
| 43 | 2,4-Dinitrophenol                             | 51-28-5   | DR230417RSR | 99% | 1,002.0 | µg/mL | +/- 36.4553 |    |
| 44 | Dibenzofuran                                  | 132-64-9  | MKCD9952    | 99% | 1,006.7 | µg/mL | +/- 36.6251 |    |
| 45 | 2,4-Dinitrotoluene                            | 121-14-2  | MKAA0690V   | 99% | 1,003.8 | µg/mL | +/- 36.5220 |    |
| 46 | 4-Nitrophenol                                 | 100-02-7  | RP230627    | 99% | 1,002.3 | µg/mL | +/- 36.4674 |    |
| 47 | 2,3,4,6-Tetrachlorophenol                     | 58-90-2   | PR-30126    | 99% | 1,008.7 | µg/mL | +/- 36.6979 |    |
| 48 | 2,3,5,6-Tetrachlorophenol                     | 935-95-5  | RP230919    | 99% | 1,006.3 | µg/mL | +/- 36.6130 |    |
| 49 | Fluorene                                      | 86-73-7   | 10241100    | 99% | 1,008.3 | µg/mL | +/- 36.6857 |    |
| 50 | 4-Chlorophenyl phenyl ether                   | 7005-72-3 | MKCT7248    | 99% | 1,003.8 | µg/mL | +/- 36.5220 |    |
| 51 | Diethylphthalate                              | 84-66-2   | MKCD2547    | 99% | 1,008.6 | µg/mL | +/- 36.6958 |    |
| 52 | 4-Nitroaniline                                | 100-01-6  | RP230111    | 99% | 1,001.1 | µg/mL | +/- 36.4230 |    |
| 53 | 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol) | 534-52-1  | 230718JLM   | 99% | 1,002.0 | µg/mL | +/- 36.4553 |    |

|    |                            |          |               |     |         |       |             |
|----|----------------------------|----------|---------------|-----|---------|-------|-------------|
| 54 | Diphenylamine              | 122-39-4 | MKCH1042      | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 55 | Azobenzene                 | 103-33-3 | BCKK0887      | 99% | 1,005.8 | µg/mL | +/- 36.5928 |
| 56 | 4-Bromophenyl phenyl ether | 101-55-3 | STBH6361      | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 57 | Hexachlorobenzene          | 118-74-1 | 14821700      | 99% | 1,007.5 | µg/mL | +/- 36.6554 |
| 58 | Pentachlorophenol          | 87-86-5  | RP230530RSR   | 99% | 1,008.8 | µg/mL | +/- 36.7019 |
| 59 | Phenanthrene               | 85-01-8  | MKCQ8876      | 99% | 1,008.4 | µg/mL | +/- 36.6877 |
| 60 | Anthracene                 | 120-12-7 | MKCR0570      | 99% | 1,009.0 | µg/mL | +/- 36.7100 |
| 61 | Carbazole                  | 86-74-8  | 14351100      | 99% | 1,000.9 | µg/mL | +/- 36.4149 |
| 62 | Di-n-butylphthalate        | 84-74-2  | MKCN4337      | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 63 | Fluoranthene               | 206-44-0 | MKCQ4728      | 99% | 1,009.6 | µg/mL | +/- 36.7302 |
| 64 | Pyrene                     | 129-00-0 | BCCG8479      | 98% | 1,007.2 | µg/mL | +/- 36.6453 |
| 65 | Benzyl butyl phthalate     | 85-68-7  | X12I018       | 99% | 1,002.1 | µg/mL | +/- 36.4573 |
| 66 | Bis(2-ethylhexyl)adipate   | 103-23-1 | MKCM1988      | 99% | 1,005.2 | µg/mL | +/- 36.5705 |
| 67 | Benz(a)anthracene          | 56-55-3  | I220012022BAA | 99% | 1,002.2 | µg/mL | +/- 36.4614 |
| 68 | Chrysene                   | 218-01-9 | RP230601      | 99% | 1,008.3 | µg/mL | +/- 36.6837 |
| 69 | Bis(2-ethylhexyl)phthalate | 117-81-7 | MKCQ3468      | 99% | 1,001.8 | µg/mL | +/- 36.4472 |
| 70 | Di-n-octyl phthalate       | 117-84-0 | 14382700      | 99% | 1,006.0 | µg/mL | +/- 36.6008 |
| 71 | Benzo(b)fluoranthene       | 205-99-2 | 012013B       | 99% | 1,002.8 | µg/mL | +/- 36.4836 |
| 72 | Benzo(k)fluoranthene       | 207-08-9 | 012022K       | 99% | 1,003.0 | µg/mL | +/- 36.4917 |
| 73 | Benzo(a)pyrene             | 50-32-8  | P54915-0703   | 99% | 1,002.3 | µg/mL | +/- 36.4674 |
| 74 | Indeno(1,2,3-cd)pyrene     | 193-39-5 | 12-JKL-118-9  | 97% | 1,009.4 | µg/mL | +/- 36.7243 |
| 75 | Dibenz(a,h)anthracene      | 53-70-3  | 2-ASA-59-1    | 99% | 1,007.6 | µg/mL | +/- 36.6595 |
| 76 | Benzo(g,h,i)perylene       | 191-24-2 | RP231003RSR   | 99% | 1,002.9 | µg/mL | +/- 36.4876 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%



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

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.:** A0214021

**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 :** July 31, 2026 **Storage:** 10°C or colder

**Handling:** This product is photosensitive. **Ship:** Ambient

### 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   | S240326RSR | 99%    | 1,004.0 µg/mL               | +/- 23.0487                            |
| 2           | Atrazine               | 1912-24-9 | 5FYWL      | 99%    | 1,005.0 µg/mL               | +/- 23.0717                            |
| 3           | Benzidine              | 92-87-5   | S240430RSR | 99%    | 1,006.0 µg/mL               | +/- 23.0947                            |
| 4           | epsilon-Caprolactam    | 105-60-2  | Y16H012    | 99%    | 1,000.0 µg/mL               | +/- 22.9569                            |

**Solvent:** Methylene chloride  
**CAS #** 75-09-2  
**Purity** 99%

S12449 } RC/  
↓  
S12508 } 7/24/24

Rebecca Gingerich - Operations Tech II

**Date Mixed:** 18-Jul-2024

**Balance:** 1128353505

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.



# SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17





## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 • Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO.

P3657

QUOTE NO.

COC Number 2041316

## CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs  
ADDRESS: 412 Mt Kable Ave Suite H100  
CITY: Morristown STATE: NJ ZIP: 07960  
ATTENTION: John Yufante  
PHONE: (281) 414-1719 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC  
PROJECT NO.: D3779922 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 TAT DAYS\*  
HARDCOPY (DATA PACKAGE): DAYS\*  
EDD: DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

## 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

VOCs 8260D  
SVOCs 8260E  
PAHs 8270E  
Metals 6020B, Hg  
Cr 6010D, Pb 6010A  
Cu 6010D, Zn 6010A

## PRESERVATIVES

## COMMENTS

| CHEMTECH<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |     |   |  |  |  |  |  | COMMENTS           |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|-----|---|--|--|--|--|--|--------------------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E           | F | B/E | E |  |  |  |  |  |                    |
| 1.                       | 917-J-WS-081624                  | WS               |                | X    | 8-16-24              | 0930 | 8            | 2             | 4 | 1   | 1 |  |  |  |  |  |                    |
| 2.                       | TB-01-081624                     | DI               |                | X    | 8-16-24              | 1055 | 1            | 1             |   |     |   |  |  |  |  |  | TB is unpreserved! |
| 3.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 4.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 5.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 6.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |     |   |  |  |  |  |  |                    |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                |                                       |                                                                                                                                                                                                 |
|---------------------------------------------------|--------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>[Signature]</u> | DATE/TIME: <u>8-16-24 1245</u> | RECEIVED BY:<br>1. <u>[Signature]</u> | Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input checked="" type="checkbox"/> COOLER TEMP <u>2.9</u> °C |
| RELINQUISHED BY SAMPLER:<br>2.                    | DATE/TIME:                     | RECEIVED BY:<br>2.                    | Comments: <u>See attached table for his required analytes list</u>                                                                                                                              |
| RELINQUISHED BY SAMPLER:<br>3.                    | DATE/TIME:                     | RECEIVED BY:<br>3.                    |                                                                                                                                                                                                 |

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other  
CHEMTECH: ☒ Picked Up ☐ Field Sampling

Shipment Complete  
☒ YES ☐ NO



Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits  
Site Sampling Plan for Ecological Evaluation  
Princeton Technology Center, West Windsor Township, New Jersey

| Method           | Analyte                          | CAS Number | Units | Higher of PQL and Ground Water Quality Criterion <sup>a</sup> | Fresh Surface Water Chronic NJDEP Ecological Criterion <sup>b</sup> |
|------------------|----------------------------------|------------|-------|---------------------------------------------------------------|---------------------------------------------------------------------|
| <b>ECO-SVOCs</b> |                                  |            |       |                                                               |                                                                     |
| SW8270E          | 1,4-Dioxane                      | 123-91-1   | µg/L  | 0.4                                                           | --                                                                  |
| SW8270E          | 1-Methylnaphthalene              | 90-12-0    | µg/L  | --                                                            |                                                                     |
| SW8270E          | 2,4,5-Trichlorophenol            | 95-95-4    | µg/L  | 700                                                           |                                                                     |
| SW8270E          | 2,4,6-Trichlorophenol            | 88-06-2    | µg/L  | 20                                                            |                                                                     |
| SW8270E          | 2,4-Dinitrotoluene               | 121-14-2   | µg/L  | 10                                                            |                                                                     |
| SW8270E          | 2-Methylnaphthalene              | 91-57-6    | µg/L  | 30                                                            |                                                                     |
| SW8270E          | 2-Methylphenol                   | 95-48-7    | µg/L  | --                                                            |                                                                     |
| SW8270E          | 3 & 4-Methylphenol (m,p-Cresols) | 65794-96-9 | µg/L  | --                                                            |                                                                     |
| SW8270E          | Acenaphthene                     | 83-32-9    | µg/L  | 400                                                           |                                                                     |
| SW8270E          | Acenaphthylene                   | 208-96-8   | µg/L  | --                                                            |                                                                     |
| SW8270E          | Anthracene                       | 120-12-7   | µg/L  | 2000                                                          |                                                                     |
| SW8270E          | Benzaldehyde                     | 100-52-7   | µg/L  | --                                                            |                                                                     |
| SW8270E          | Benzo(a)anthracene               | 56-55-3    | µg/L  | --                                                            |                                                                     |
| SW8270E          | Benzo(a)pyrene                   | 50-32-8    | µg/L  | 0.1                                                           |                                                                     |
| SW8270E          | Benzo(b)fluoranthene             | 205-99-2   | µg/L  | 0.5                                                           |                                                                     |
| SW8270E          | Benzo(g,h,i)perylene             | 191-24-2   | µg/L  | --                                                            |                                                                     |
| SW8270E          | Benzo(k)fluoranthene             | 207-08-9   | µg/L  | 0.5                                                           |                                                                     |
| SW8270E          | Bis (2-ethylhexyl) phthalate     | 117-81-7   | µg/L  | --                                                            |                                                                     |
| SW8270E          | Carbazole                        | 86-74-8    | µg/L  | --                                                            |                                                                     |
| SW8270E          | Chrysene                         | 218-01-9   | µg/L  | 5                                                             |                                                                     |
| SW8270E          | Dibenzo(a,h)anthracene           | 53-70-3    | µg/L  | 0.3                                                           |                                                                     |
| SW8270E          | Dibenzofuran                     | 132-64-9   | µg/L  | --                                                            |                                                                     |
| SW8270E          | Di-N-Butylphthalate              | 84-74-2    | µg/L  | --                                                            |                                                                     |
| SW8270E          | Fluoranthene                     | 206-44-0   | µg/L  | 300                                                           |                                                                     |
| SW8270E          | Fluorene                         | 86-73-7    | µg/L  | 300                                                           |                                                                     |
| SW8270E          | Hexachlorobenzene                | 118-74-1   | µg/L  | 0.02                                                          |                                                                     |
| SW8270E          | Hexachlorobutadiene              | 87-68-3    | µg/L  | 1                                                             |                                                                     |
| SW8270E          | Hexachloroethane                 | 67-72-1    | µg/L  | 7                                                             |                                                                     |
| SW8270E          | Indeno(1,2,3-Cd)Pyrene           | 193-39-5   | µg/L  | 0.2                                                           |                                                                     |
| SW8270E          | Naphthalene                      | 91-20-3    | µg/L  | 300                                                           |                                                                     |
| SW8270E          | Nitrobenzene                     | 98-95-3    | µg/L  | 6                                                             |                                                                     |
| SW8270E          | Pentachlorophenol                | 87-86-5    | µg/L  | 0.3                                                           |                                                                     |
| SW8270E          | Phenanthrene                     | 85-01-8    | µg/L  | --                                                            |                                                                     |
| SW8270E          | Pyrene                           | 129-00-0   | µg/L  | 200                                                           |                                                                     |
| SW8270E          | Pyridine                         | 110-86-1   | µg/L  | --                                                            |                                                                     |
| <b>ECO-VOCs</b>  |                                  |            |       |                                                               |                                                                     |
| SW8260D          | 1,1,1-Trichloroethane            | 71-55-6    | µg/L  | 30                                                            | 76                                                                  |

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits  
Site Sampling Plan for Ecological Evaluation  
Princeton Technology Center, West Windsor Township, New Jersey

| Method          | Analyte                    | CAS Number  | Units | Higher of PQL and Ground Water Quality Criterion <sup>a</sup> | Fresh Surface Water Chronic NJDEP Ecological Criterion <sup>b</sup> |
|-----------------|----------------------------|-------------|-------|---------------------------------------------------------------|---------------------------------------------------------------------|
| SW8260D         | 1,1,2-Trichloroethane      | 79-00-5     | µg/L  | 3                                                             | 500                                                                 |
| SW8260D         | 1,1-Dichloroethane         | 75-34-3     | µg/L  | 50                                                            | --                                                                  |
| SW8260D         | 1,1-Dichloroethene         | 75-35-4     | µg/L  | 1                                                             | 65                                                                  |
| SW8260D         | 1,2-Dichlorobenzene        | 95-50-1     | µg/L  | 600                                                           | 14                                                                  |
| SW8260D         | 1,2-Dichloroethane         | 107-06-2    | µg/L  | 2                                                             | 910                                                                 |
| SW8260D         | 1,2-Dichloroethene (Total) | 540-59-0    | µg/L  |                                                               |                                                                     |
| SW8260D         | 1,4-Dichlorobenzene        | 106-46-7    | µg/L  | 75                                                            | 9.4                                                                 |
| SW8260D         | 2-Butanone                 | 78-93-3     | µg/L  | 300                                                           | --                                                                  |
| SW8260D         | Acetone                    | 67-64-1     | µg/L  | 6000                                                          | --                                                                  |
| SW8260D         | Benzene                    | 71-43-2     | µg/L  | 1                                                             | 114                                                                 |
| SW8260D         | Bromodichloromethane       | 75-27-4     | µg/L  | 1                                                             | --                                                                  |
| SW8260D         | Bromomethane               | 74-83-9     | µg/L  | 10                                                            | --                                                                  |
| SW8260D         | Carbon disulfide           | 75-15-0     | µg/L  | 700                                                           | --                                                                  |
| SW8260D         | Carbon tetrachloride       | 56-23-5     | µg/L  | 1                                                             | 240                                                                 |
| SW8260D         | Chlorobenzene              | 108-90-7    | µg/L  | 50                                                            | 47                                                                  |
| SW8260D         | Chloroethane               | 75-00-3     | µg/L  | --                                                            | --                                                                  |
| SW8260D         | Chloroform                 | 67-66-3     | µg/L  | 70                                                            | 140                                                                 |
| SW8260D         | Chloromethane              | 74-87-3     | µg/L  | --                                                            | --                                                                  |
| SW8260D         | cis-1,2-Dichloroethene     | 156-59-2    | µg/L  | 70                                                            | --                                                                  |
| SW8260D         | Cyclohexane                | 110-82-7    | µg/L  | --                                                            | --                                                                  |
| SW8260D         | Dibromochloromethane       | 124-48-1    | µg/L  | 1                                                             | --                                                                  |
| SW8260D         | Dichlorodifluoromethane    | 75-71-8     | µg/L  | 1000                                                          | --                                                                  |
| SW8260D         | Ethylbenzene               | 100-41-4    | µg/L  | 700                                                           | 14                                                                  |
| SW8260D         | Freon TF                   | 76-13-1     | µg/L  | 20000                                                         | --                                                                  |
| SW8260D         | Isopropylbenzene           | 98-82-8     | µg/L  | 700                                                           | --                                                                  |
| SW8260D         | m&p-Xylene                 | 179601-23-1 | µg/L  | 1000                                                          | 27                                                                  |
| SW8260D         | Methylcyclohexane          | 108-87-2    | µg/L  | --                                                            | --                                                                  |
| SW8260D         | Methylene Chloride         | 75-09-2     | µg/L  | 3                                                             | 940                                                                 |
| SW8260D         | MTBE                       | 1634-04-4   | µg/L  | 70                                                            | 51000                                                               |
| SW8260D         | o-Xylene                   | 95-47-6     | µg/L  | 1000                                                          | 27                                                                  |
| SW8260D         | Tetrachloroethene          | 127-18-4    | µg/L  | 1                                                             | 45                                                                  |
| SW8260D         | Toluene                    | 108-88-3    | µg/L  | 600                                                           | 253                                                                 |
| SW8260D         | trans-1,2-Dichloroethene   | 156-60-5    | µg/L  | 100                                                           | 970                                                                 |
| SW8260D         | Trichloroethene            | 79-01-6     | µg/L  | 1                                                             | 47                                                                  |
| SW8260D         | Vinyl chloride             | 75-01-4     | µg/L  | 1                                                             | 930                                                                 |
| SW8260D         | Xylenes, Total             | 1330-20-7   | µg/L  |                                                               |                                                                     |
| <b>ECO-PAHs</b> |                            |             |       |                                                               |                                                                     |
| SW8270E SIM     | 1,4-Dioxane                | 123-91-1    | µg/L  | 0.4                                                           | --                                                                  |

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits  
Site Sampling Plan for Ecological Evaluation  
Princeton Technology Center, West Windsor Township, New Jersey

| Method            | Analyte                | CAS Number | Units | Higher of PQL and Ground Water Quality Criterion <sup>a</sup> | Fresh Surface Water Chronic NJDEP Ecological Criterion <sup>b</sup> |
|-------------------|------------------------|------------|-------|---------------------------------------------------------------|---------------------------------------------------------------------|
| SW8270E SIM       | 2-Methylnaphthalene    | 91-57-6    | µg/L  | 30                                                            | 330                                                                 |
| SW8270E SIM       | Acenaphthene           | 83-32-9    | µg/L  | 400                                                           | 38                                                                  |
| SW8270E SIM       | Acenaphthylene         | 208-96-8   | µg/L  | --                                                            | 4840                                                                |
| SW8270E SIM       | Anthracene             | 120-12-7   | µg/L  | 2000                                                          | 0.035                                                               |
| SW8270E SIM       | Benzo(a)anthracene     | 56-55-3    | µg/L  | 0.1                                                           | 0.025                                                               |
| SW8270E SIM       | Benzo(a)pyrene         | 50-32-8    | µg/L  | 0.1                                                           | 0.014                                                               |
| SW8270E SIM       | Benzo(b)fluoranthene   | 205-99-2   | µg/L  | 0.2                                                           | 9.07                                                                |
| SW8270E SIM       | Benzo(g,h,i)perylene   | 191-24-2   | µg/L  | --                                                            | 7.64                                                                |
| SW8270E SIM       | Benzo(k)fluoranthene   | 207-08-9   | µg/L  | 0.5                                                           | --                                                                  |
| SW8270E SIM       | Chrysene               | 218-01-9   | µg/L  | 5                                                             | --                                                                  |
| SW8270E SIM       | Dibenz(a,h)anthracene  | 53-70-3    | µg/L  | 0.3                                                           | --                                                                  |
| SW8270E SIM       | Fluoranthene           | 206-44-0   | µg/L  | 300                                                           | 1.9                                                                 |
| SW8270E SIM       | Fluorene               | 86-73-7    | µg/L  | 300                                                           | 19                                                                  |
| SW8270E SIM       | Indeno[1,2,3-cd]pyrene | 193-39-5   | µg/L  | 0.2                                                           | 4.31                                                                |
| SW8270E SIM       | Naphthalene            | 91-20-3    | µg/L  | 300                                                           | 13                                                                  |
| SW8270E SIM       | Phenanthrene           | 85-01-8    | µg/L  | --                                                            | 3.6                                                                 |
| SW8270E SIM       | Pyrene                 | 129-00-0   | µg/L  | 200                                                           | 0.3                                                                 |
| <b>ECO-Metals</b> |                        |            |       |                                                               |                                                                     |
| SW3060A/7196A     | Hexavalent Chromium    | 18540-29-9 | µg/L  | --                                                            | 10                                                                  |
| SW7470A           | Mercury                | 7439-97-6  | µg/L  | 2                                                             | 0.77                                                                |
| SW6020B           | Aluminum               | 7429-90-5  | µg/L  | --                                                            | --                                                                  |
| SW6020B           | Antimony               | 7440-36-0  | µg/L  | 6                                                             | 80                                                                  |
| SW6020B           | Arsenic                | 7440-38-2  | µg/L  | 3                                                             | 150                                                                 |
| SW6020B           | Barium                 | 7440-39-3  | µg/L  | 6000                                                          | 220                                                                 |
| SW6020B           | Beryllium              | 7440-41-7  | µg/L  | 1                                                             | 3.6                                                                 |
| SW6020B           | Cadmium                | 7440-43-9  | µg/L  | 4                                                             | --                                                                  |
| SW6020B           | Calcium                | 7440-70-2  | µg/L  | --                                                            | --                                                                  |
| SW6020B           | Chromium               | 7440-47-3  | µg/L  | --                                                            | 42                                                                  |
| SW6020B           | Cobalt                 | 7440-48-4  | µg/L  | 100                                                           | 24                                                                  |
| SW6020B           | Copper                 | 7440-50-8  | µg/L  | 1300                                                          | --                                                                  |
| SW6020B           | Iron                   | 7439-89-6  | µg/L  | --                                                            | --                                                                  |
| SW6020B           | Lead                   | 7439-92-1  | µg/L  | 5                                                             | 5.4                                                                 |
| SW6020B           | Magnesium              | 7439-95-4  | µg/L  | --                                                            | --                                                                  |
| SW6020B           | Manganese              | 7439-96-5  | µg/L  | --                                                            | --                                                                  |
| SW6020B           | Nickel                 | 7440-02-0  | µg/L  | 100                                                           | --                                                                  |
| SW6020B           | Potassium              | 7440-09-7  | µg/L  | --                                                            | --                                                                  |
| SW6020B           | Selenium               | 7782-49-2  | µg/L  | 40                                                            | 5                                                                   |
| EPA 200.7         | Silica                 | 7631-86-9  | µg/L  | --                                                            | --                                                                  |

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits  
 Site Sampling Plan for Ecological Evaluation  
 Princeton Technology Center, West Windsor Township, New Jersey

| Method  | Analyte  | CAS Number | Units | Higher of PQL and Ground Water Quality Criterion <sup>a</sup> | Fresh Surface Water Chronic NJDEP Ecological Criterion <sup>b</sup> |
|---------|----------|------------|-------|---------------------------------------------------------------|---------------------------------------------------------------------|
| SW6020B | Silver   | 7440-22-4  | µg/L  | 40                                                            | <b>0.12</b>                                                         |
| SW6020B | Sodium   | 7440-23-5  | µg/L  | --                                                            | --                                                                  |
| SW6020B | Thallium | 7440-28-0  | µg/L  | --                                                            | 10                                                                  |
| SW6020B | Vanadium | 7440-62-2  | µg/L  | --                                                            | 12                                                                  |
| SW6020B | Zinc     | 7440-66-6  | µg/L  | 2000                                                          | --                                                                  |

Notes:

<sup>a</sup> New Jersey Department of Environmental Protection (NJDEP) Ground Water Quality Standards - Class IIA by Constituent. May 2021. New Jersey Administration Code 7:9C-1.4: Remediation Standards.

<sup>b</sup> NJDEP Ground Water Quality Standards - Class IIA by Constituent. May 2021. New Jersey Administration Code 7:9C-1.4: Remediation Standards. NJDEP Ecological Surface Water SSLs. March 2009.

**Bold = MDL and RL exceed screening criteria.**

-- = not available (no standard)

µg/L = microgram(s) per liter

CAS = Chemical Abstracts Service

Freon TF = 1,1,2-Trichloro-1,2,2-trifluoroethane

MDL = method detection limit

MTBE = methyl tert butyl ether

NJDEP = New Jersey Department of Environmental Protection

PAH = polycyclic aromatic hydrocarbon

PQL = Practical Quantitation Level as defined in N.J.A.C. 7:9C-1.4

RL = reporting limit

SIM = selected ion method

SVOC = semivolatile organic compound

VOC = volatile organic compound

**Laboratory Certification**

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (L-A-B)     | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255423           |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                  |                              |
|-----------------------------------------------|--------|--------------------------------------------------|------------------------------|
| <b>Order ID :</b> P3657                       | JACO05 | <b>Order Date :</b> 8/16/2024 2:45:00 PM         | <b>Project Mgr :</b>         |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger Site I | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> Mary I. Murphy        |        | <b>Receive DateTime :</b> 8/16/2024 12:00:00 AM  | <b>EDD Type :</b> CH2MHILL   |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b> 12:45                    | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> Mary I. Murphy       |        |                                                  | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID                          | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST         | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|------------------------------------|--------|-------------|-------------|--------------|------------|----------|--------------|-----------|
| P3657-01 | <del>717</del> -J-WS-O81624<br>917 | Water  | 08/16/2024  | 09:30       |              |            |          |              |           |
|          |                                    |        |             |             | VOCMS Group6 |            | 8260-Low | 10 Bus. Days |           |
| P3657-02 | TB-01-081624                       | Water  | 08/16/2024  | 10:55       |              |            |          |              |           |
|          |                                    |        |             |             | VOCMS Group6 |            | 8260-Low | 10 Bus. Days |           |

Relinquished By :

*2M*

Date / Time :

*08-16-24 1524*

Received By :

*Sam*

Date / Time :

*8/16/24 15:27* *ag # 4*

Storage Area : VOA Refridgerator Room