

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112124\  
 Data File : BN035224.D  
 Acq On : 21 Nov 2024 16:24  
 Operator : RC/JU  
 Sample : P4868-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW5-SP303-20241114

Manual Integrations  
 APPROVED

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

Quant Time: Nov 21 16:51:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN111324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:00:03 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.329  | 152  | 2785     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.073 | 136  | 6599     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10        | 13.987 | 164  | 2228     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 16.746 | 188  | 7426     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12            | 21.008 | 240  | 966      | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12            | 23.107 | 264  | 110      | 0.400 | ng    | # 0.00   |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 4.982  | 112  | 1312     | 0.186 | ng    | 0.00     |
| 5) Phenol-d6                | 6.534  | 99   | 856      | 0.097 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.461  | 82   | 1395m    | 0.243 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 11.677 | 152  | 3946     | 0.336 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.494 | 330  | 1379     | 0.858 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.607 | 172  | 1372     | 0.152 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 18.806 | 212  | 5165     | 0.227 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.433 | 244  | 5492     | 2.709 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane              | 3.017  | 88   | 247      | 0.098 | ng    | # 32     |
| -----                       |        |      |          |       |       |          |

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

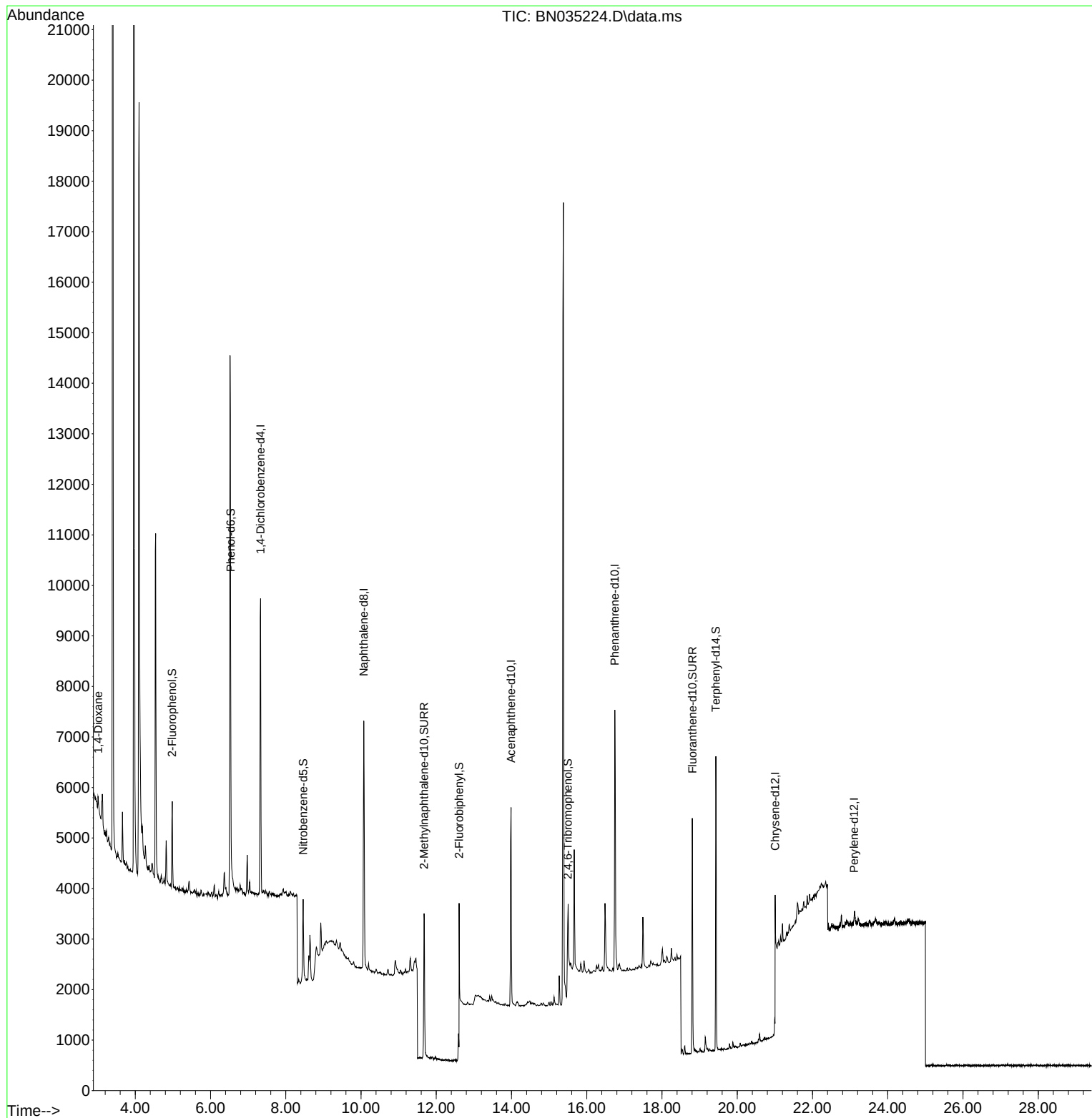
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN112124\  
Data File : BN035224.D  
Acq On : 21 Nov 2024 16:24  
Operator : RC/JU  
Sample : P4868-03  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

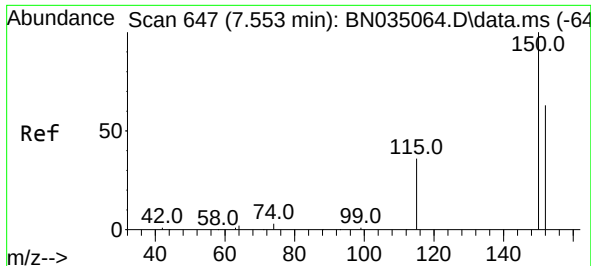
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114

Quant Time: Nov 21 16:51:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN111324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:00:03 2024  
Response via : Initial Calibration

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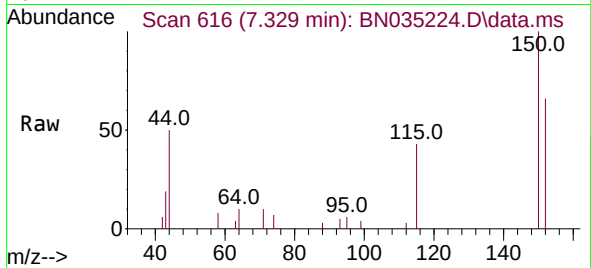
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/22/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.329 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

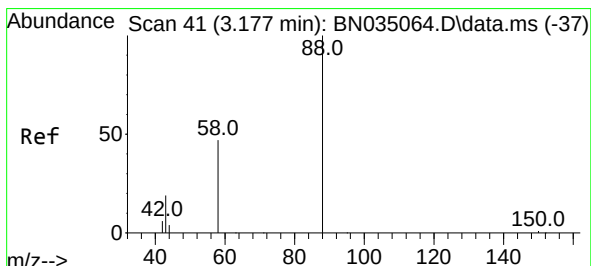
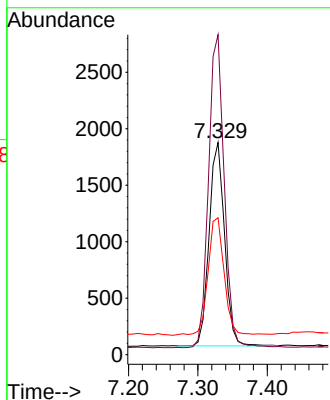
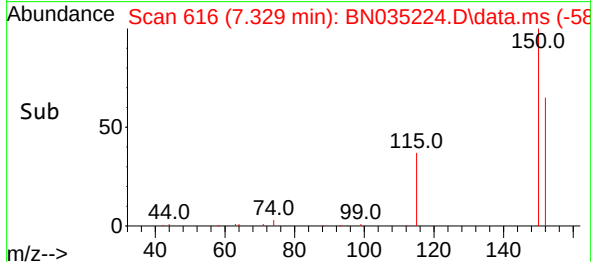
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



Tgt Ion: 152 Resp: 278  
Ion Ratio Lower Upper  
152 100  
150 150.8 124.5 186.7  
115 64.6 47.8 71.6

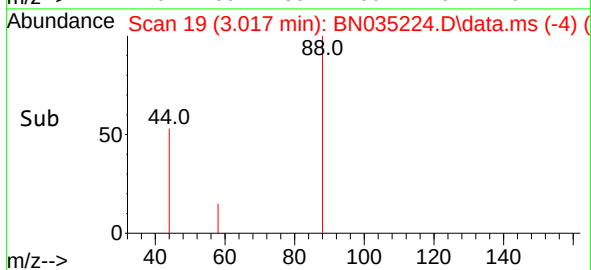
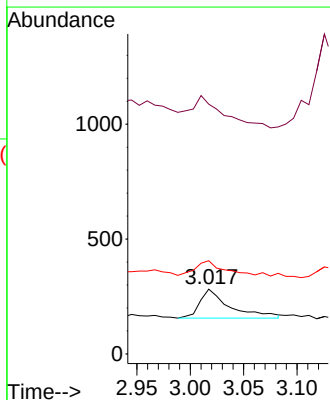
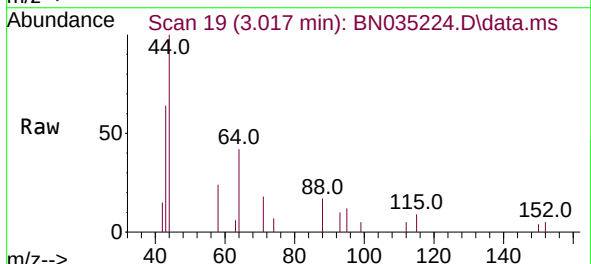
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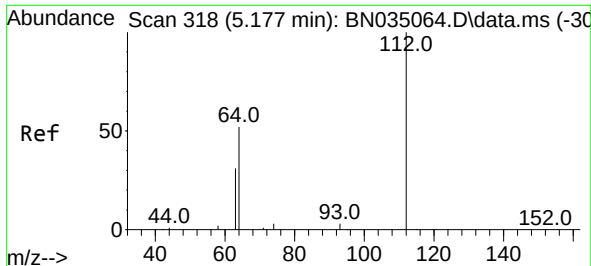
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/22/2024



#2  
1,4-Dioxane  
Concen: 0.098 ng  
RT: 3.017 min Scan# 19  
Delta R.T. 0.007 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

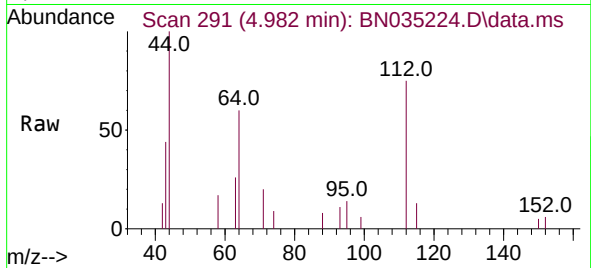
Tgt Ion: 88 Resp: 247  
Ion Ratio Lower Upper  
88 100  
43 119.8 16.9 25.3#  
58 44.1 39.0 58.4





#4  
2-Fluorophenol  
Concen: 0.186 ng  
RT: 4.982 min Scan# 24  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

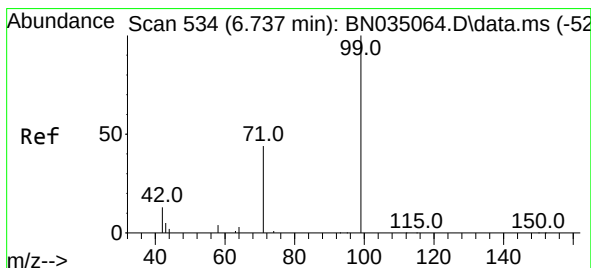
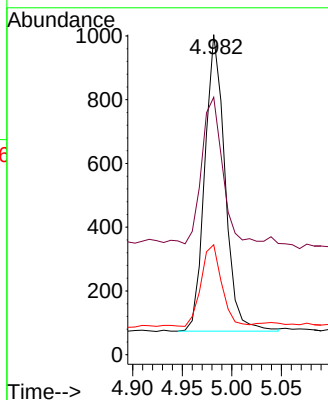
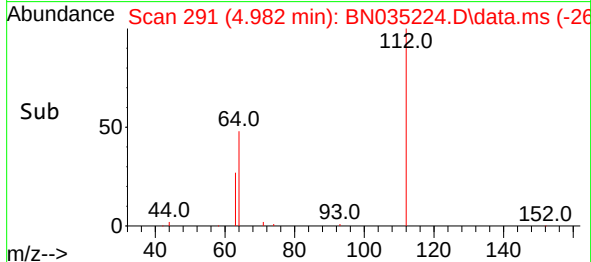
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



Tgt Ion: 112 Resp: 131  
Ion Ratio Lower Upper  
112 100  
64 47.9 39.7 59.5  
63 27.8 23.0 34.4

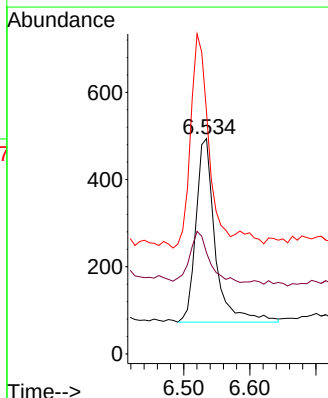
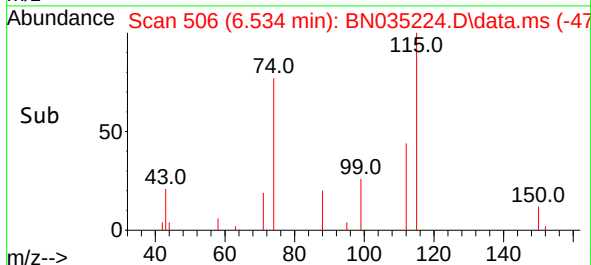
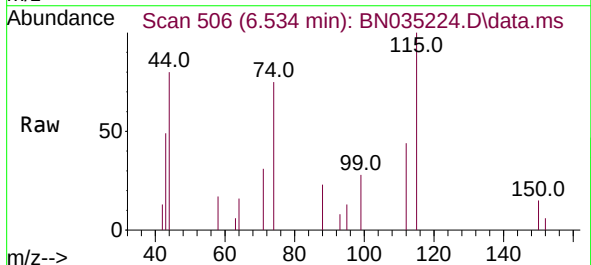
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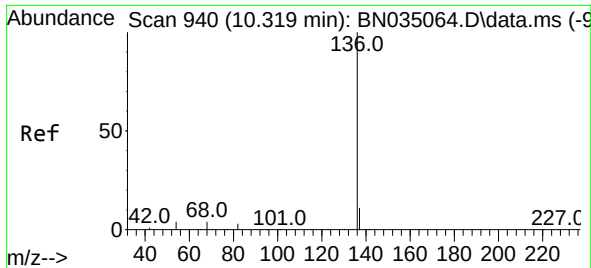
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/22/2024



#5  
Phenol-d6  
Concen: 0.097 ng  
RT: 6.534 min Scan# 506  
Delta R.T. 0.007 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

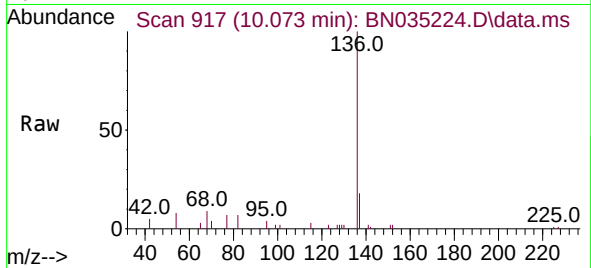
Tgt Ion: 99 Resp: 856  
Ion Ratio Lower Upper  
99 100  
42 28.4 11.4 17.0#  
71 108.5 34.6 51.8#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.073 min Scan# 917  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

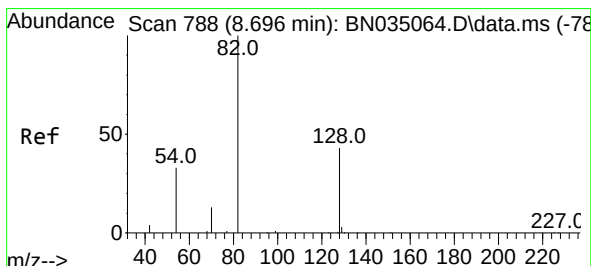
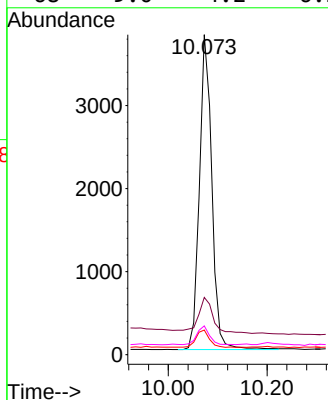
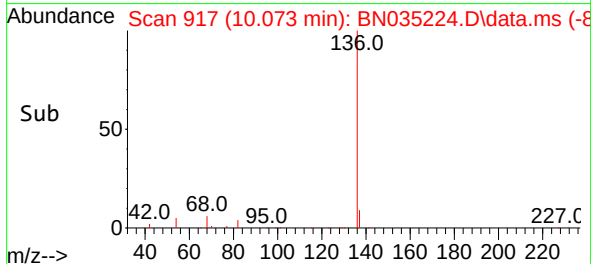
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 6599 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 17.9  | 9.8   | 14.8 |
| 54        | 7.7   | 4.0   | 6.0  |
| 68        | 9.0   | 4.2   | 6.2  |

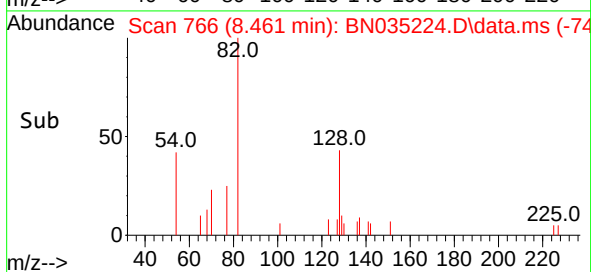
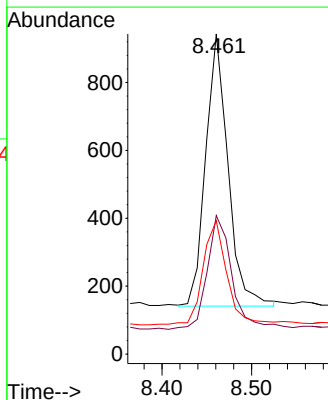
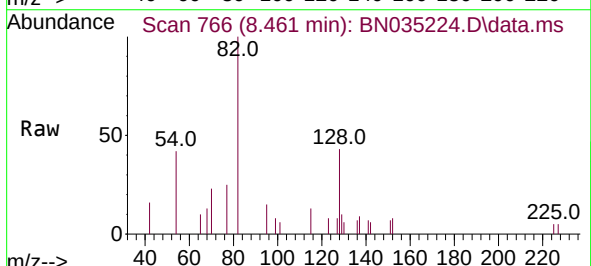
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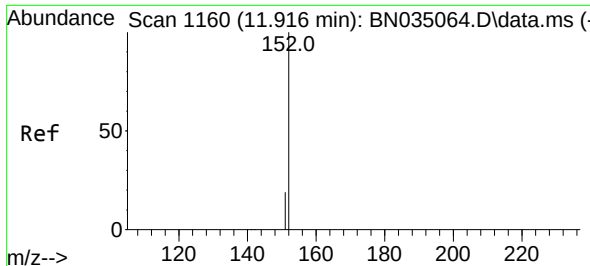
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/22/2024



#8  
Nitrobenzene-d5  
Concen: 0.243 ng m  
RT: 8.461 min Scan# 766  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

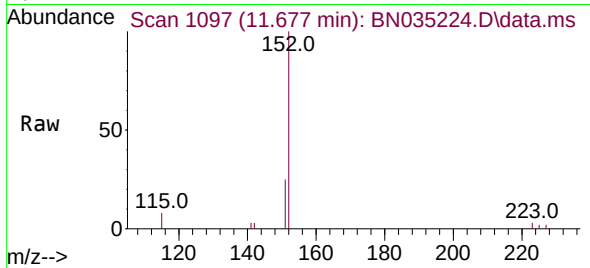
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1395 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.3  | 36.5  | 54.7 |
| 54        | 41.7  | 28.7  | 43.1 |





#11  
2-Methylnaphthalene-d10  
Concen: 0.336 ng  
RT: 11.677 min Scan# 1160  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

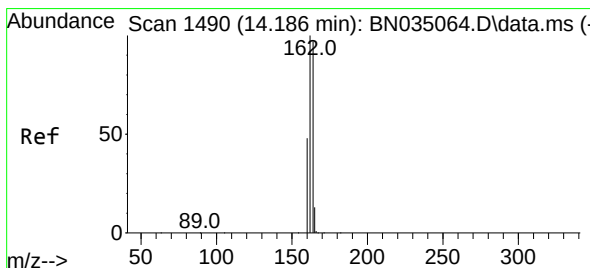
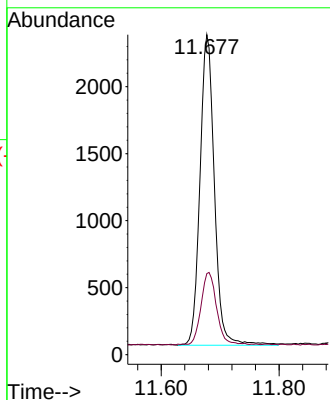
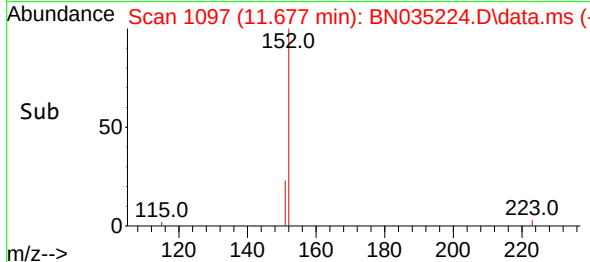
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



Tgt Ion:152 Resp: 3940  
Ion Ratio Lower Upper  
152 100  
151 25.4 16.2 24.4

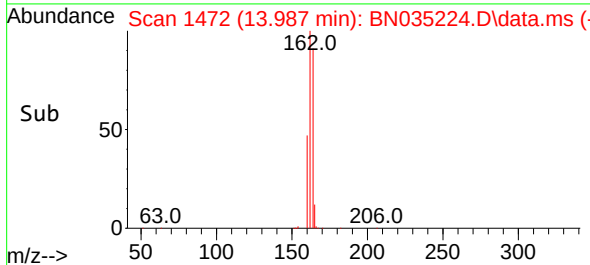
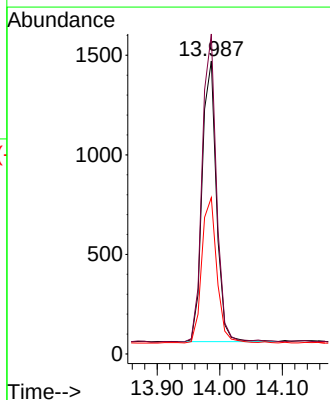
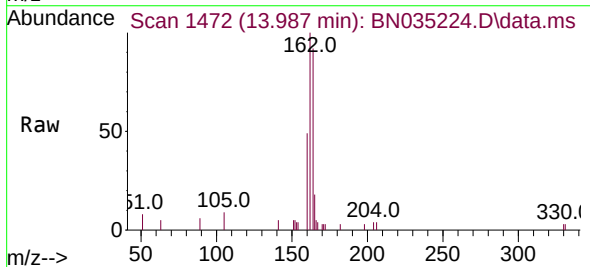
Manual Integrations  
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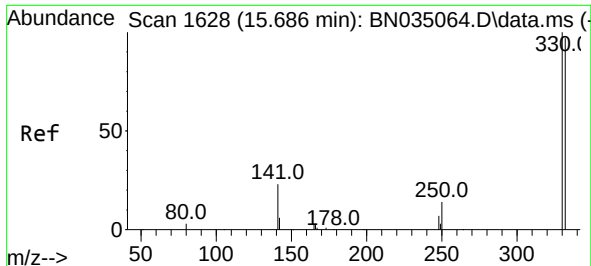
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/22/2024



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.987 min Scan# 1472  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

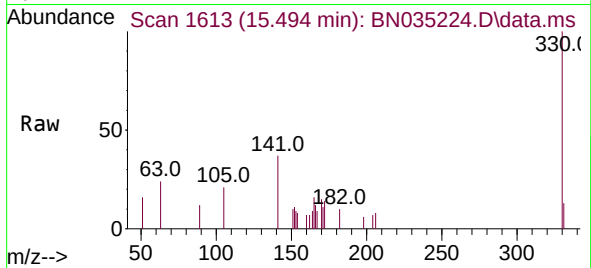
Tgt Ion:164 Resp: 2228  
Ion Ratio Lower Upper  
164 100  
162 109.2 82.2 123.2  
160 53.4 40.2 60.4





#14  
2,4,6-Tribromophenol  
Concen: 0.858 ng  
RT: 15.494 min Scan# 10  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

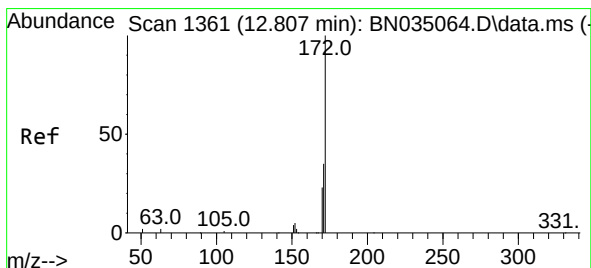
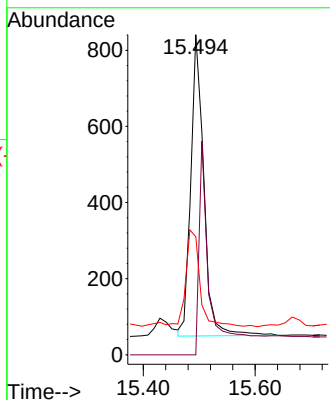
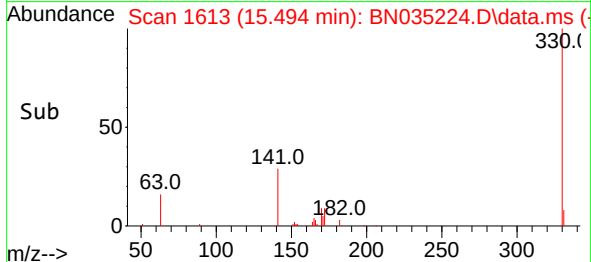
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



Tgt Ion:330 Resp: 1379  
Ion Ratio Lower Upper  
330 100  
332 0.0 76.9 115.3  
141 35.0 29.6 44.4

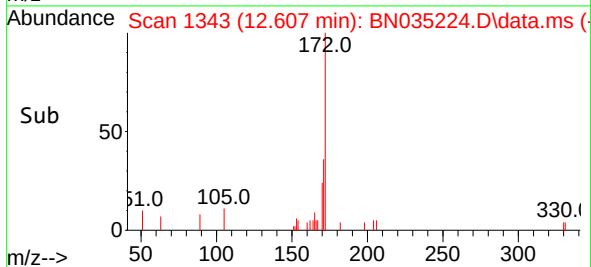
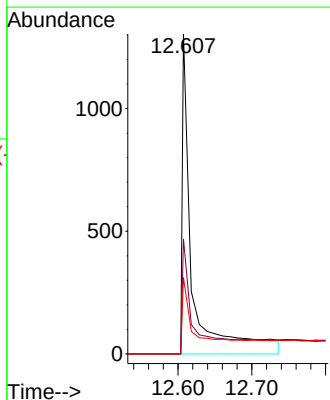
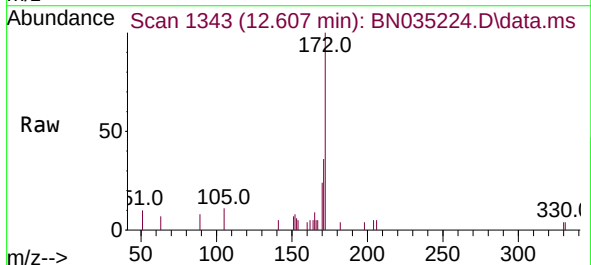
Manual Integrations  
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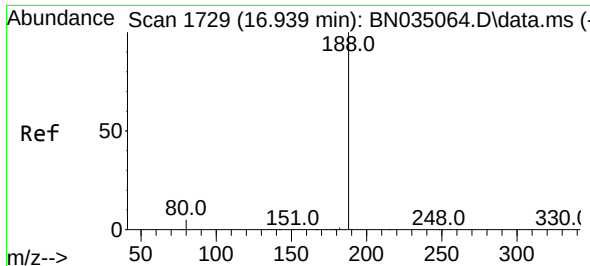
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/22/2024



#15  
2-Fluorobiphenyl  
Concen: 0.152 ng  
RT: 12.607 min Scan# 1343  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

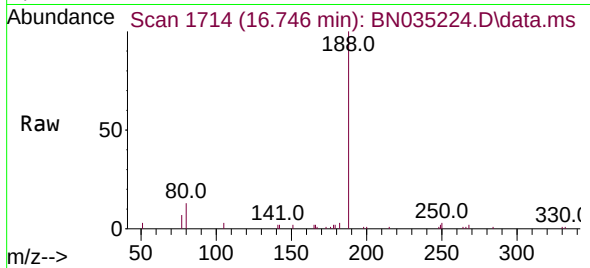
Tgt Ion:172 Resp: 1372  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.2 42.4  
170 23.8 19.0 28.6





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.746 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

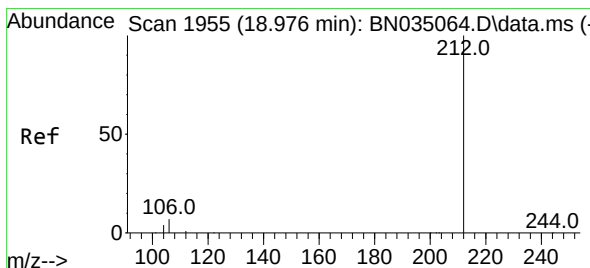
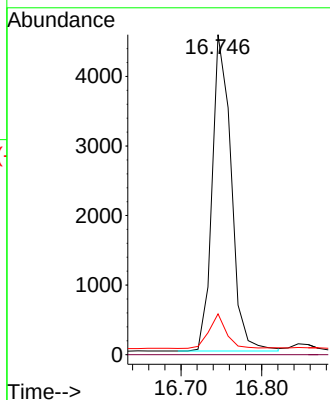
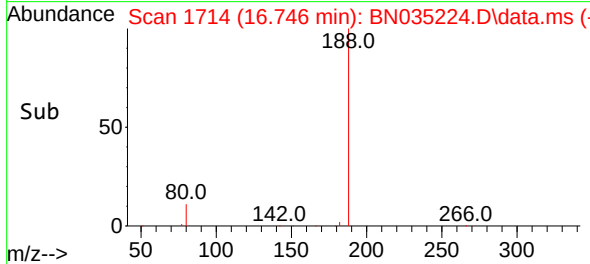
Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



Tgt Ion:188 Resp: 7420  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 12.7 4.3 6.5

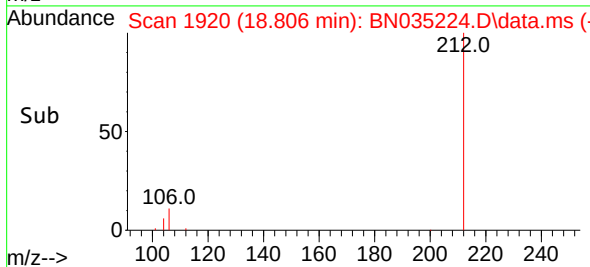
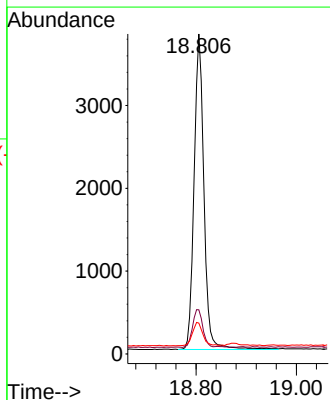
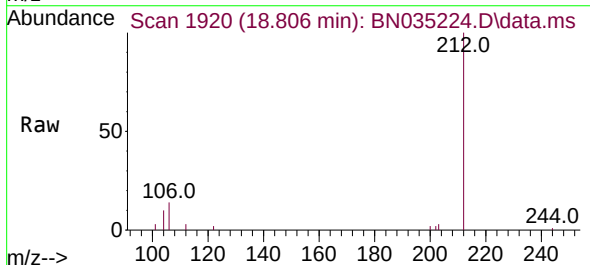
Manual Integrations  
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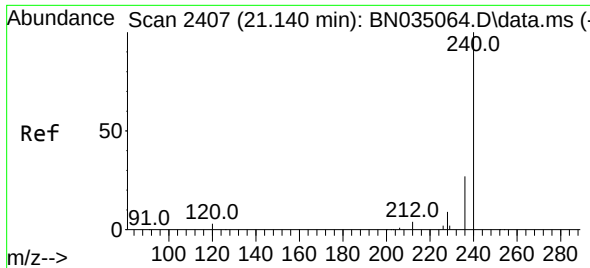


#27  
Fluoranthene-d10  
Concen: 0.227 ng  
RT: 18.806 min Scan# 1920  
Delta R.T. -0.001 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

Tgt Ion:212 Resp: 5165  
Ion Ratio Lower Upper  
212 100  
106 12.5 6.0 9.0#  
104 7.9 3.5 5.3#







#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 2105

Delta R.T. -0.001 min

Lab File: BN035224.D

Acq: 21 Nov 2024 16:24

Instrument :

BNA\_N

ClientSampleId :

RW5-SP303-20241114

Tgt Ion:240 Resp: 960

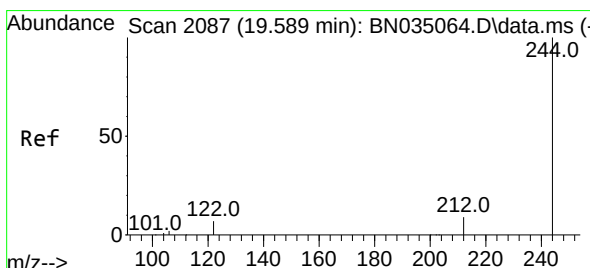
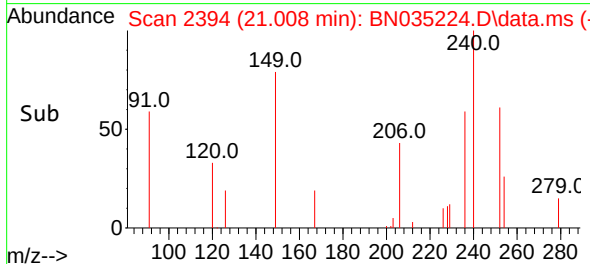
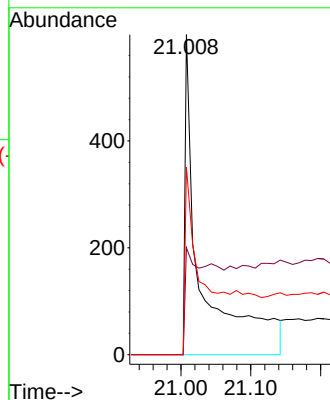
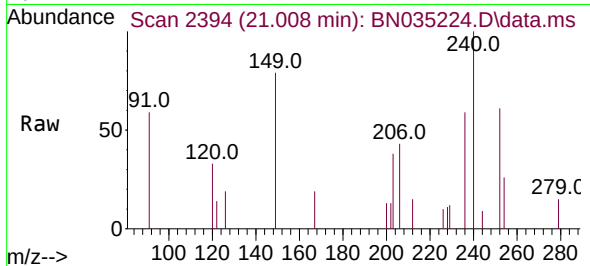
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 33.4  | 3.8   | 5.6   |
| 236 | 58.6  | 22.2  | 33.2  |

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#31

Terphenyl-d14

Concen: 2.709 ng

RT: 19.433 min Scan# 2055

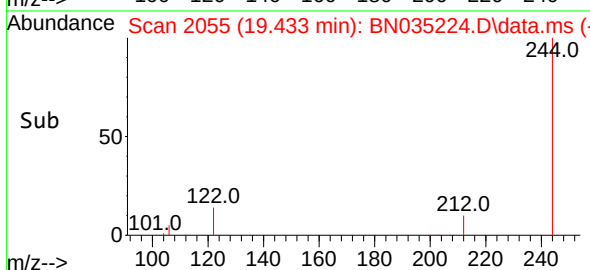
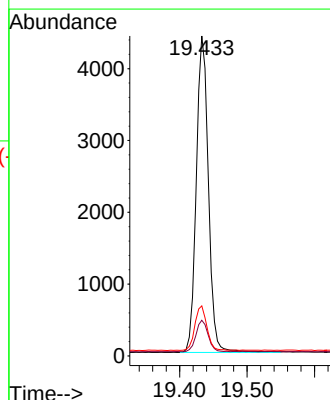
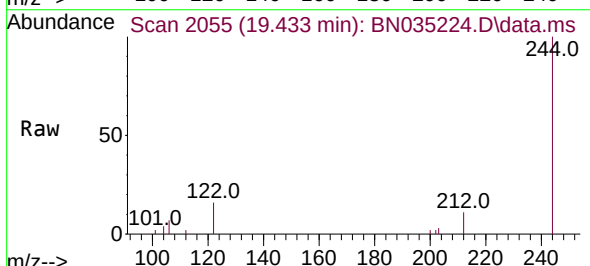
Delta R.T. -0.005 min

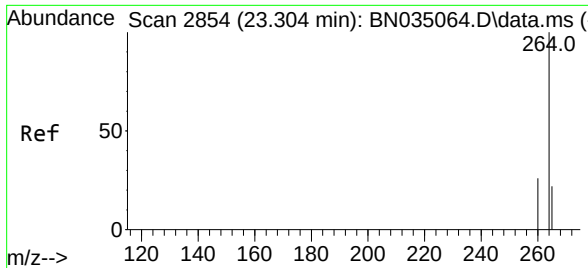
Lab File: BN035224.D

Acq: 21 Nov 2024 16:24

Tgt Ion:244 Resp: 5492

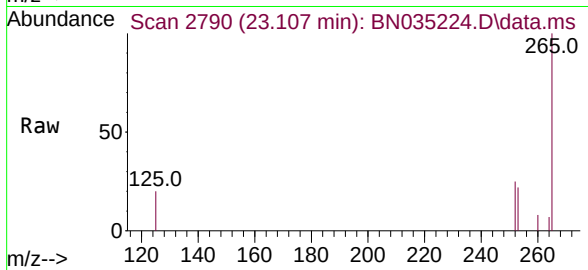
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 11.2  | 7.6   | 11.4  |
| 122 | 15.6  | 6.1   | 9.1   |





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.107 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BN035224.D  
Acq: 21 Nov 2024 16:24

Instrument :  
BNA\_N  
ClientSampleId :  
RW5-SP303-20241114



Tgt Ion:264 Resp: 110  
Ion Ratio Lower Upper  
264 100  
260 124.4 20.9 31.3  
265 1487.4 35.4 53.2

Manual Integrations  
APPROVED

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

