

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122624\  
 Data File : BN035857.D  
 Acq On : 26 Dec 2024 17:18  
 Operator : RC/JU  
 Sample : P5282-01DL 2X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW7-SP100-20241212DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/27/2024  
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 00:42:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 19 23:06:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.257  | 152  | 2631     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.009 | 136  | 5958     | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 13.925 | 164  | 3986     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 16.698 | 188  | 8604     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 20.947 | 240  | 7270     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.029 | 264  | 7223     | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.924  | 112  | 467      | 0.071 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.484  | 99   | 239      | 0.030 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.408  | 82   | 996m     | 0.274 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.626 | 152  | 1980     | 0.212 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.453 | 330  | 352      | 0.124 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.539 | 172  | 3156     | 0.209 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.747 | 212  | 6468     | 0.265 | ng    | -0.01    |
| 31) Terphenyl-d14             | 19.375 | 244  | 4696     | 0.327 | ng    | -0.01    |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 2.967  | 88   | 8292     | 3.297 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 20.893 | 149  | 476      | 0.047 | ng    | # 94     |
| -----                         |        |      |          |       |       |          |

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

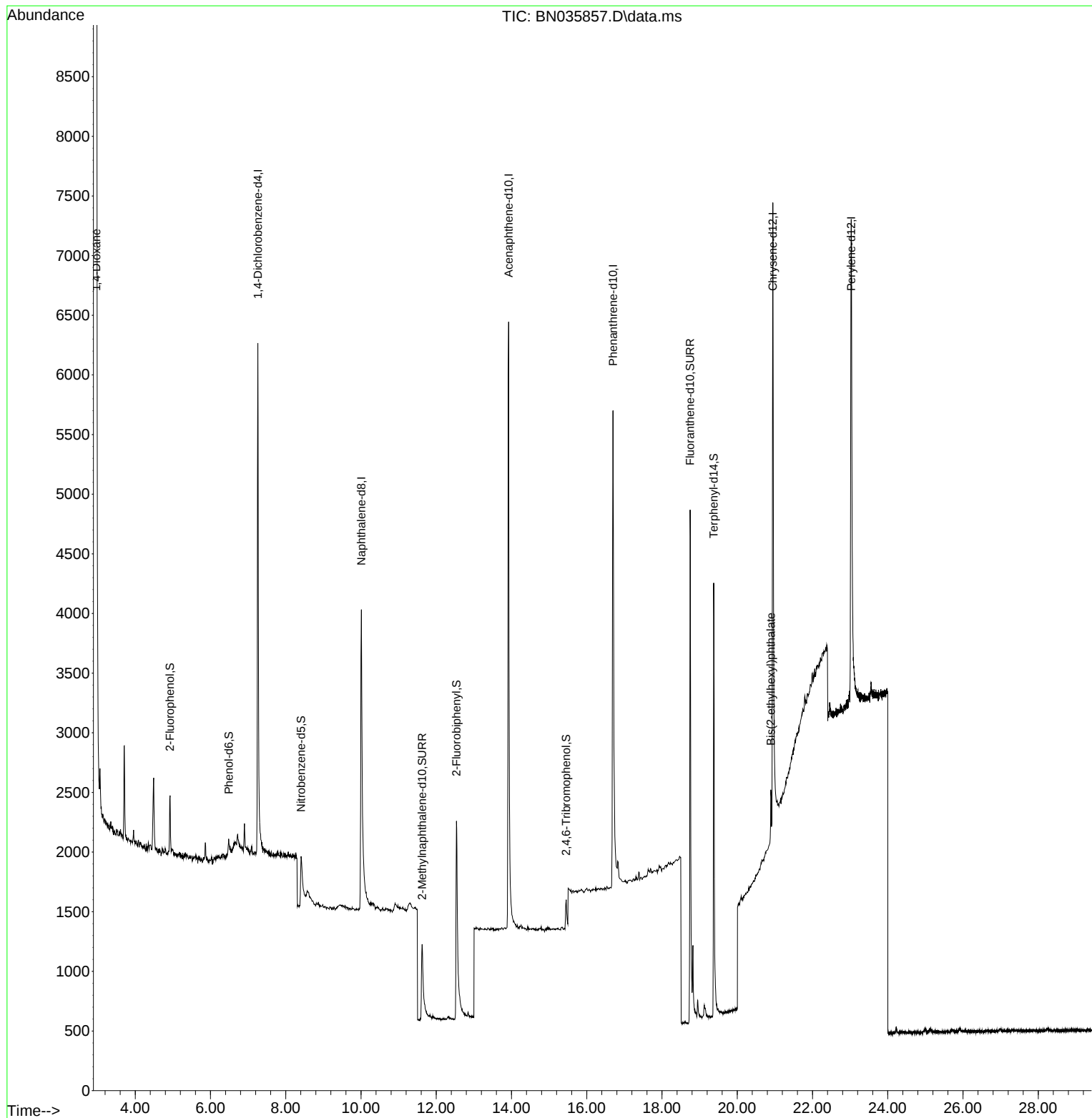
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122624\  
Data File : BN035857.D  
Acq On : 26 Dec 2024 17:18  
Operator : RC/JU  
Sample : P5282-01DL 2X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

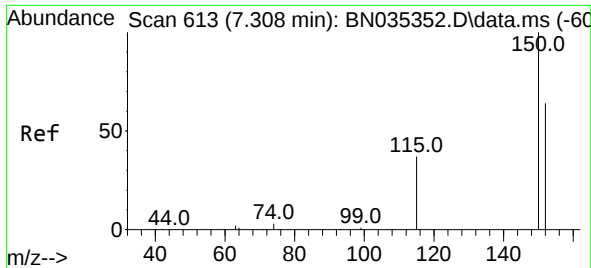
Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL

Quant Time: Dec 27 00:42:00 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 19 23:06:19 2024  
Response via : Initial Calibration

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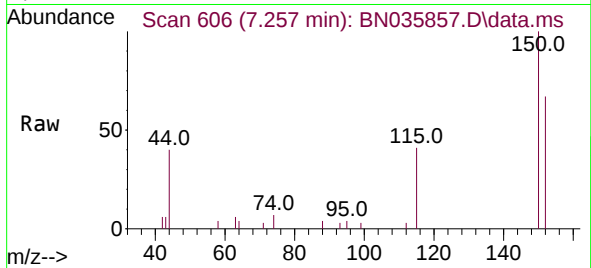
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.257 min Scan# 606  
Delta R.T. -0.015 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

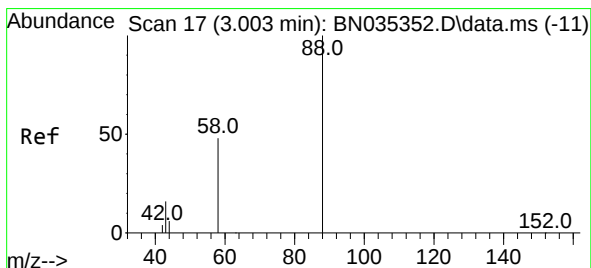
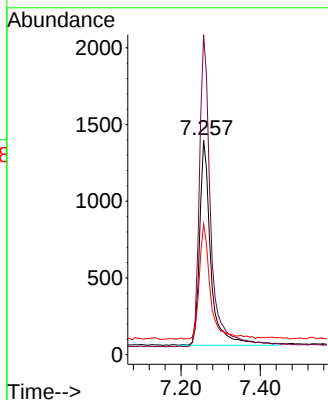
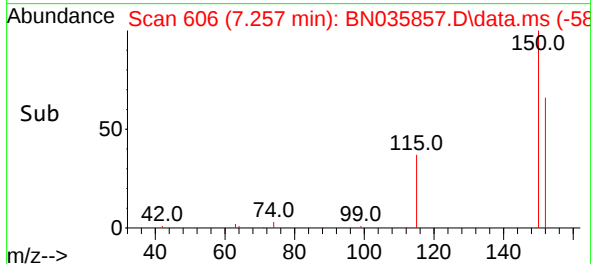
Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL



Tgt Ion: 152 Resp: 263  
Ion Ratio Lower Upper  
152 100  
150 149.3 124.0 186.0  
115 61.0 49.6 74.4

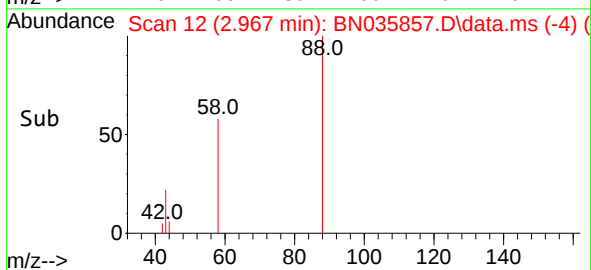
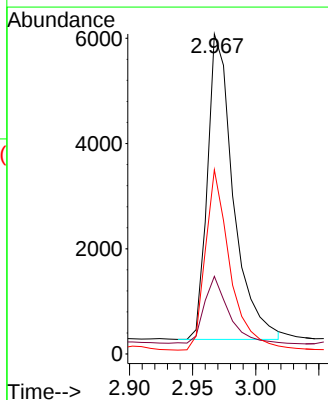
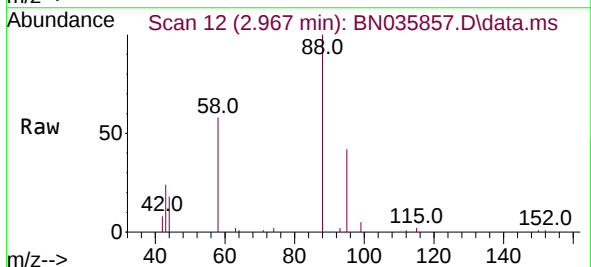
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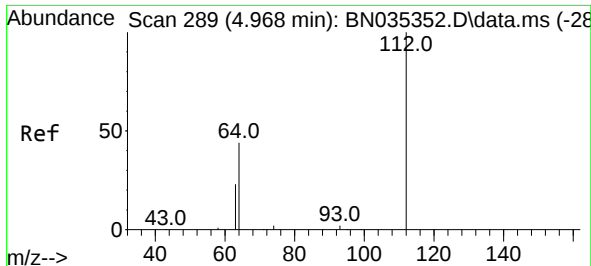
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#2  
1,4-Dioxane  
Concen: 3.297 ng  
RT: 2.967 min Scan# 12  
Delta R.T. -0.015 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

Tgt Ion: 88 Resp: 8292  
Ion Ratio Lower Upper  
88 100  
43 20.4 17.2 25.8  
58 56.0 44.5 66.7





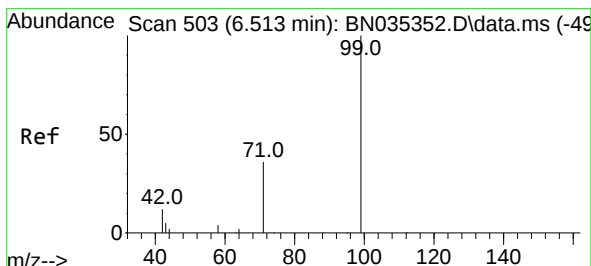
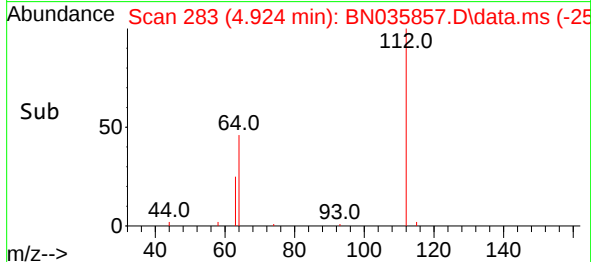
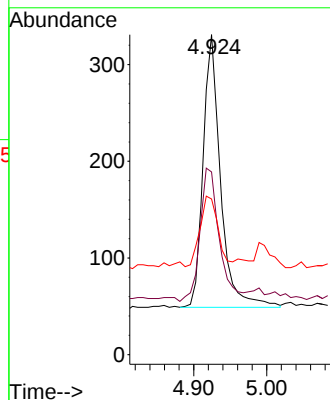
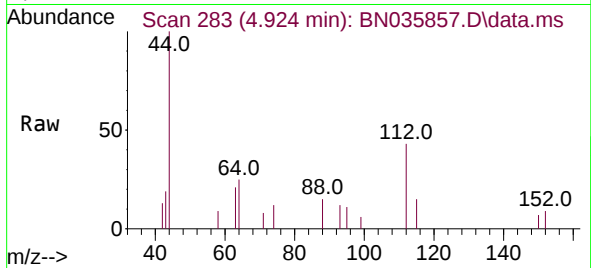
#4  
2-Fluorophenol  
Concen: 0.071 ng  
RT: 4.924 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL

Tgt Ion:112 Resp: 46  
Ion Ratio Lower Upper  
112 100  
64 54.2 39.8 59.8  
63 28.9 21.0 31.6

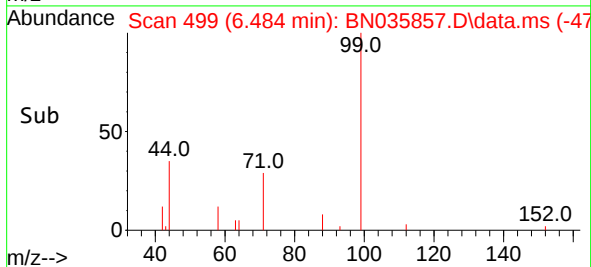
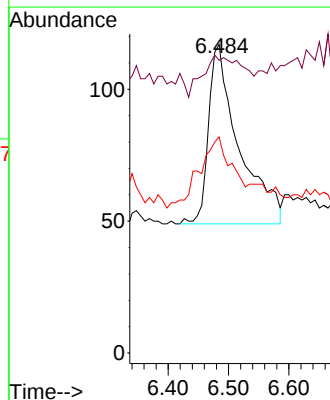
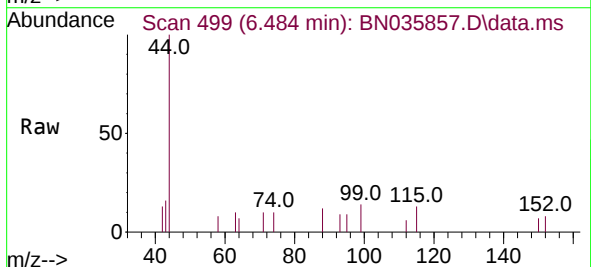
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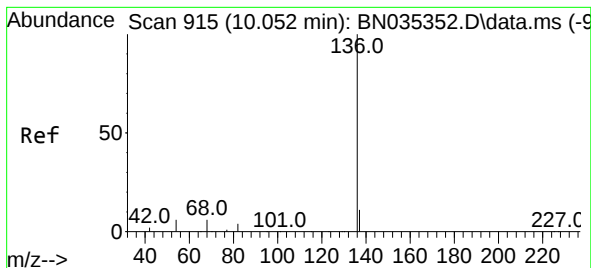
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#5  
Phenol-d6  
Concen: 0.030 ng  
RT: 6.484 min Scan# 499  
Delta R.T. -0.007 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

Tgt Ion: 99 Resp: 239  
Ion Ratio Lower Upper  
99 100  
42 31.0 11.4 17.2#  
71 44.4 29.3 43.9#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.009 min Scan# 915

Delta R.T. -0.011 min

Lab File: BN035857.D

Acq: 26 Dec 2024 17:18

Instrument :

BNA\_N

ClientSampleId :

RW7-SP100-20241212DL

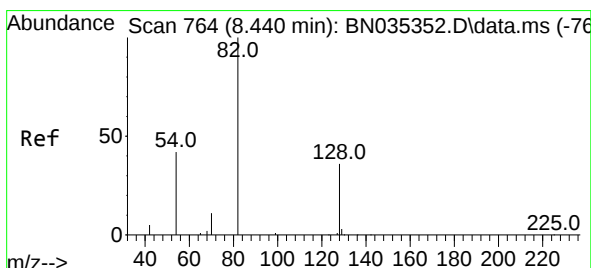
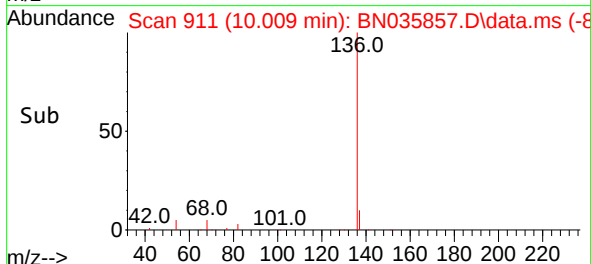
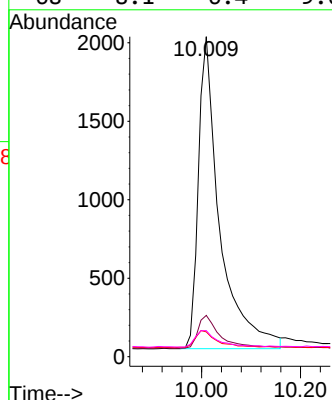
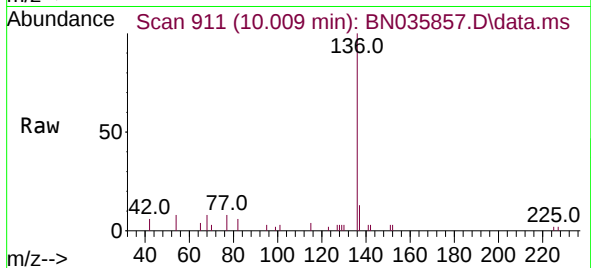
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 595  |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.9  | 10.2  | 15.2 |
| 54        | 7.7   | 6.1   | 9.1  |
| 68        | 8.1   | 6.4   | 9.6  |

Manual Integrations

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Reviewed By :Yogesh Patel 12/27/2024

Supervised By :mohammad ahmed 12/30/2024



#8

Nitrobenzene-d5

Concen: 0.274 ng m

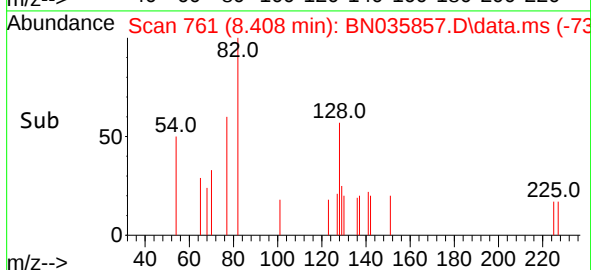
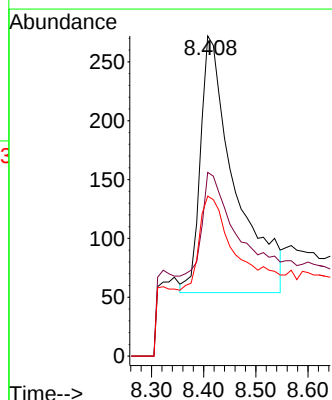
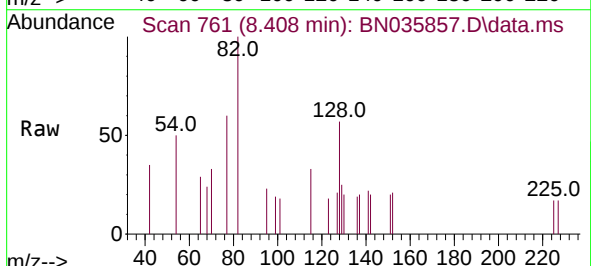
RT: 8.408 min Scan# 761

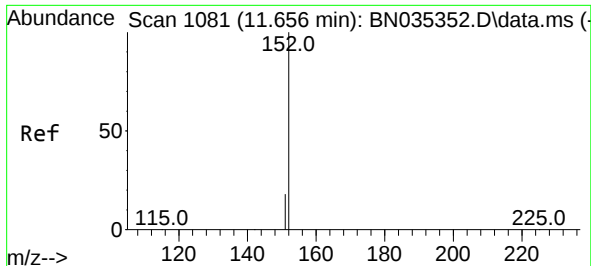
Delta R.T. -0.000 min

Lab File: BN035857.D

Acq: 26 Dec 2024 17:18

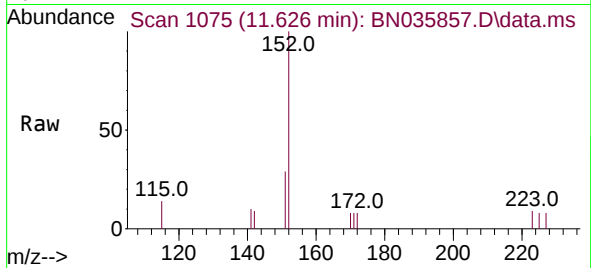
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 996   |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 57.4  | 33.4  | 50.0# |
| 54        | 50.0  | 36.7  | 55.1  |





#11  
2-Methylnaphthalene-d10  
Concen: 0.212 ng  
RT: 11.626 min Scan# 1081  
Delta R.T. 0.005 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

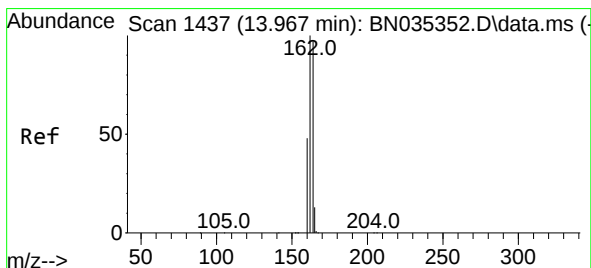
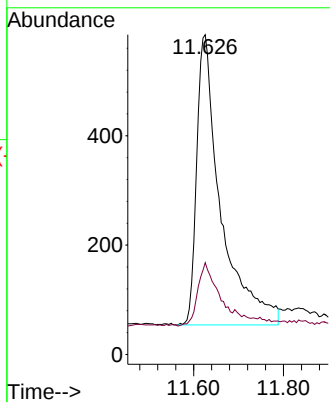
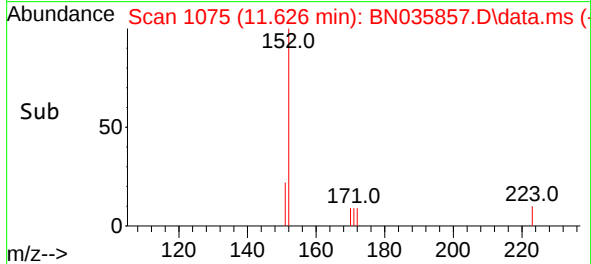
Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL



Tgt Ion:152 Resp: 1980  
Ion Ratio Lower Upper  
152 100  
151 18.2 16.6 25.0

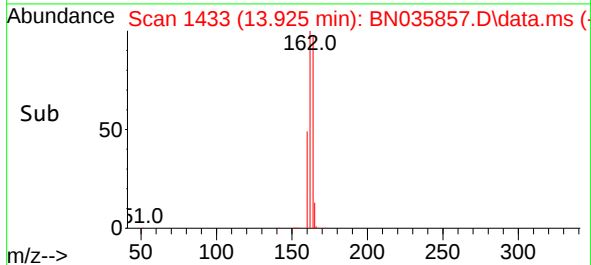
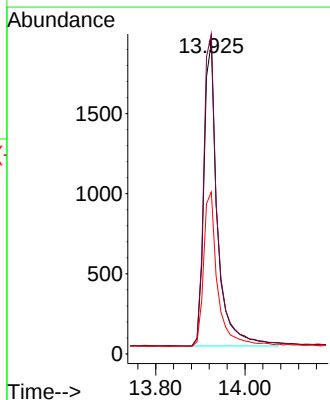
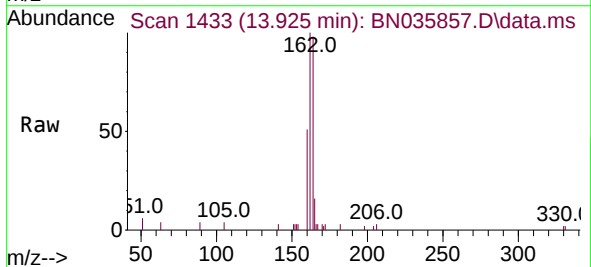
Manual Integrations  
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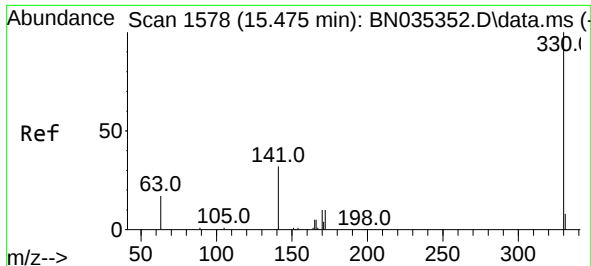
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.925 min Scan# 1433  
Delta R.T. -0.011 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

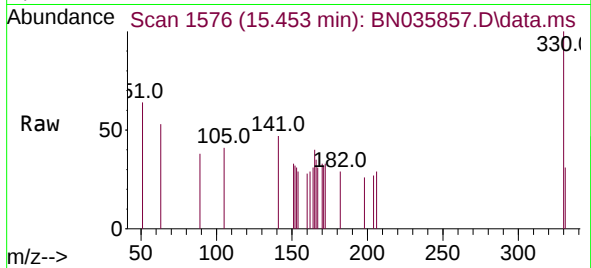
Tgt Ion:164 Resp: 3986  
Ion Ratio Lower Upper  
164 100  
162 102.5 82.2 123.2  
160 51.8 40.1 60.1





#14  
2,4,6-Tribromophenol  
Concen: 0.124 ng  
RT: 15.453 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

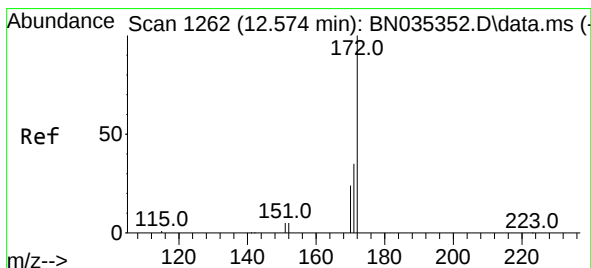
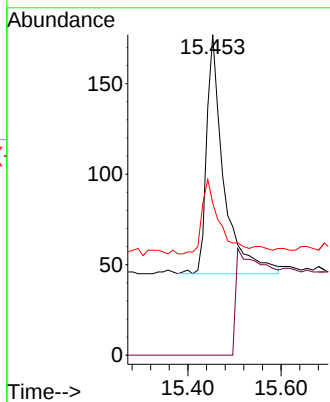
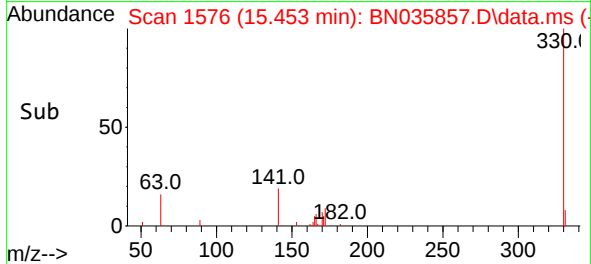
Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL



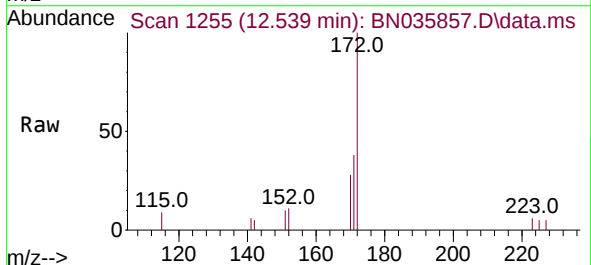
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Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 30.4 26.6 40.0

Manual Integrations  
APPROVED

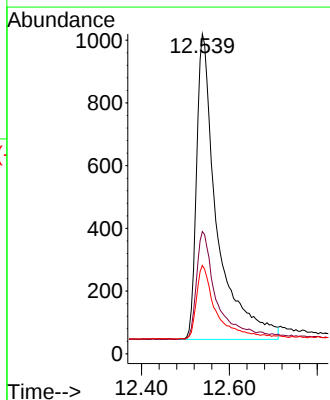
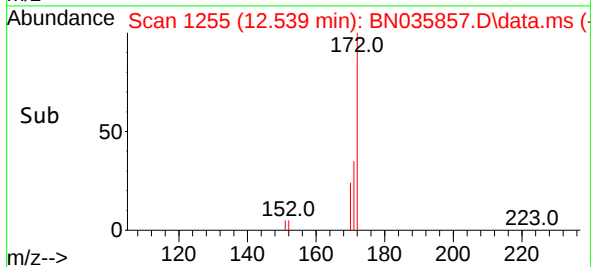
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024

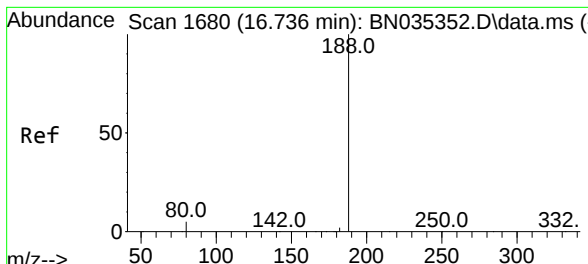


#15  
2-Fluorobiphenyl  
Concen: 0.209 ng  
RT: 12.539 min Scan# 1255  
Delta R.T. -0.005 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18



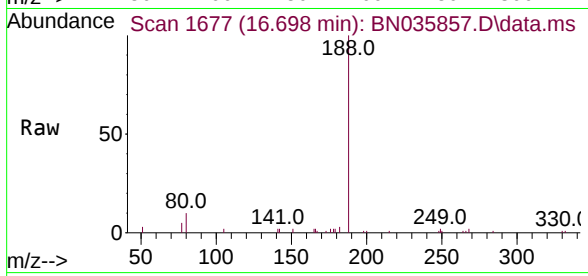
Tgt Ion:172 Resp: 3156  
Ion Ratio Lower Upper  
172 100  
171 38.2 29.0 43.4  
170 27.6 19.8 29.8





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.698 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

Instrument : BNA\_N  
ClientSampleId : RW7-SP100-20241212DL

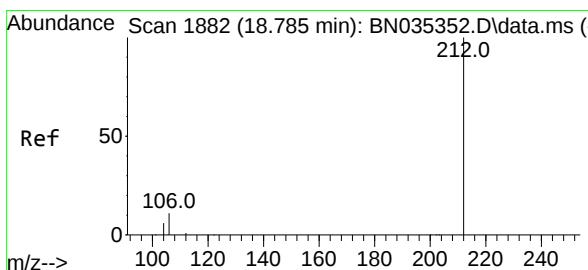
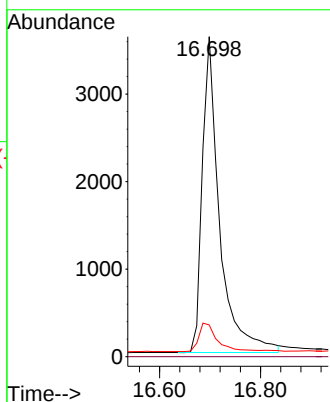
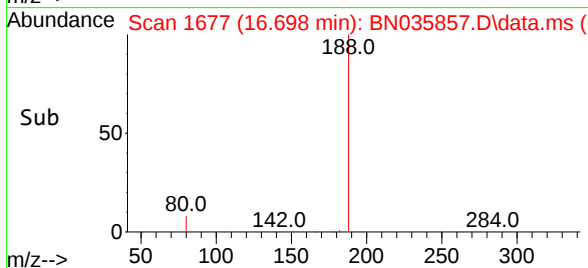


Tgt Ion:188 Resp: 8604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 0.0   | 0.0   | 0.0   |
| 80  | 9.9   | 4.6   | 6.8   |

Manual Integrations  
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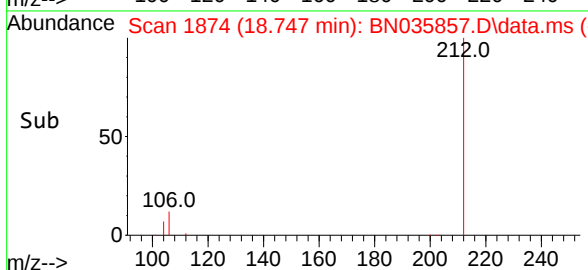
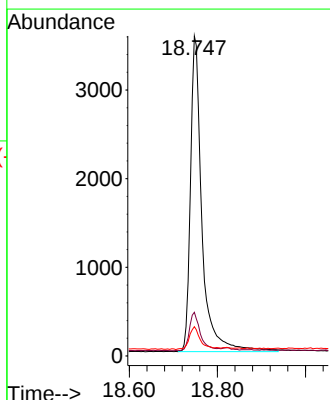
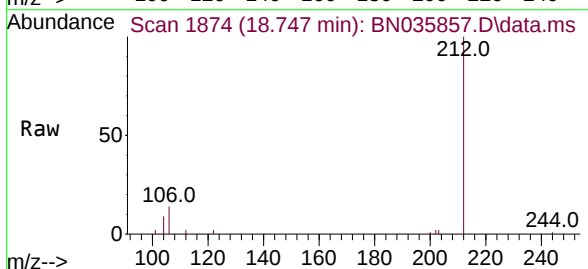
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024

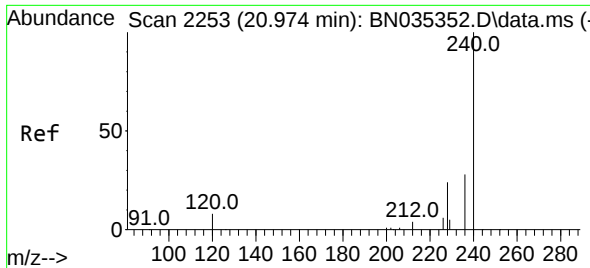


#27  
Fluoranthene-d10  
Concen: 0.265 ng  
RT: 18.747 min Scan# 1874  
Delta R.T. -0.014 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

Tgt Ion:212 Resp: 6468

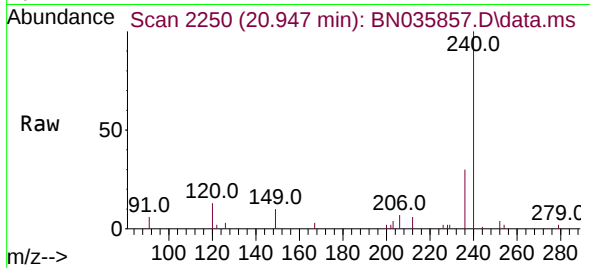
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 212 | 100   |       |       |
| 106 | 11.6  | 9.2   | 13.8  |
| 104 | 7.1   | 5.3   | 7.9   |





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.947 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

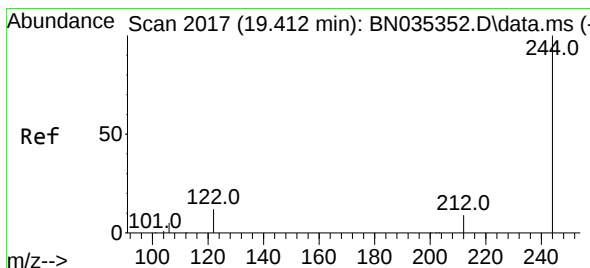
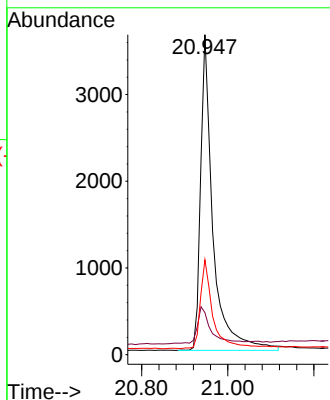
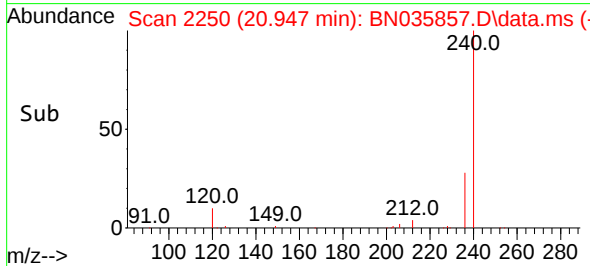
Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL



Tgt Ion:240 Resp: 7270  
Ion Ratio Lower Upper  
240 100  
120 13.1 7.9 11.9  
236 29.7 22.9 34.3

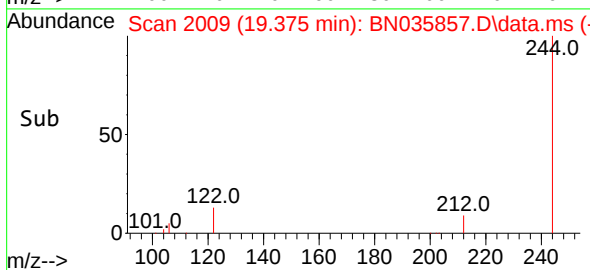
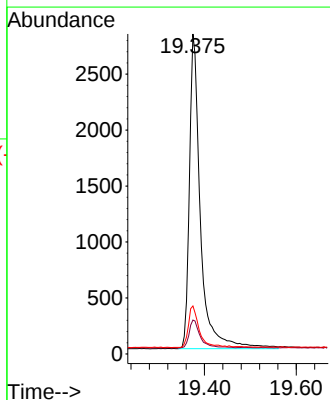
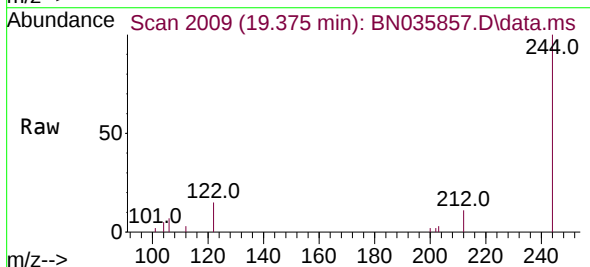
Manual Integrations  
APPROVED

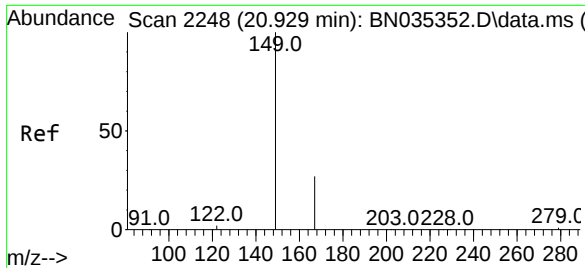
Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#31  
Terphenyl-d14  
Concen: 0.327 ng  
RT: 19.375 min Scan# 2009  
Delta R.T. -0.014 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

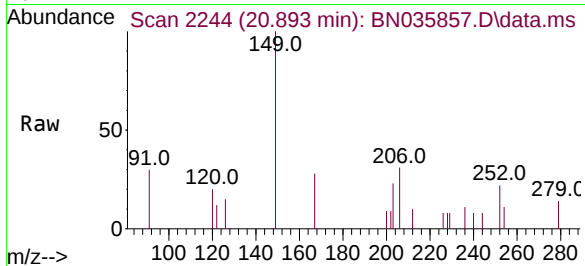
Tgt Ion:244 Resp: 4696  
Ion Ratio Lower Upper  
244 100  
212 10.6 8.1 12.1  
122 15.0 10.3 15.5





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.047 ng  
RT: 20.893 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

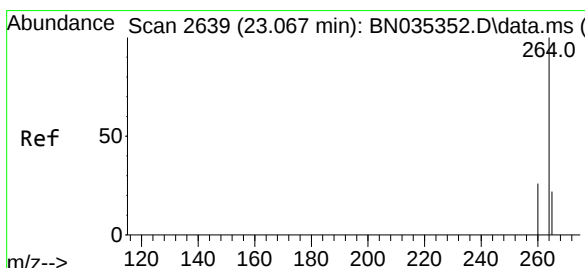
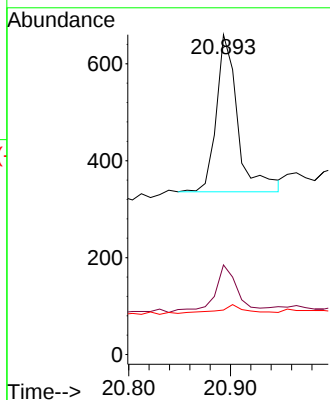
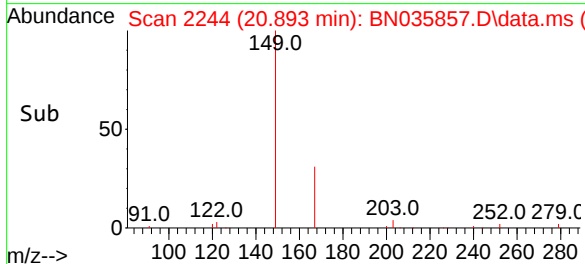
Instrument :  
BNA\_N  
ClientSampleId :  
RW7-SP100-20241212DL



Tgt Ion:149 Resp: 470  
Ion Ratio Lower Upper  
149 100  
167 25.0 22.2 33.4  
279 6.3 2.7 4.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/27/2024  
Supervised By :mohammad ahmed 12/30/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.029 min Scan# 2626  
Delta R.T. -0.012 min  
Lab File: BN035857.D  
Acq: 26 Dec 2024 17:18

Tgt Ion:264 Resp: 7223  
Ion Ratio Lower Upper  
264 100  
260 28.4 21.4 32.2  
265 92.4 40.2 60.4

