

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121924\  
 Data File : BN035723.D  
 Acq On : 20 Dec 2024 02:34  
 Operator : RC/JU  
 Sample : P5261-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D4-20241210

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 20 02:56:44 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     | 7.272  | 152  | 2978     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.020 | 136  | 8067     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 13.935 | 164  | 5314     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.711 | 188  | 9782     | 0.400 | ng    | # 0.01   |
| 29) Chrysene-d12              | 20.956 | 240  | 8919     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.041 | 264  | 9842     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 4.939  | 112  | 746      | 0.100 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.492  | 99   | 405      | 0.045 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.418  | 82   | 1641m    | 0.333 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 11.621 | 152  | 3879     | 0.307 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.453 | 330  | 592      | 0.157 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.544 | 172  | 5631     | 0.280 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 18.761 | 212  | 11032    | 0.398 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.389 | 244  | 9774     | 0.556 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 2.982  | 88   | 4118     | 1.446 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 20.911 | 149  | 1160     | 0.094 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

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

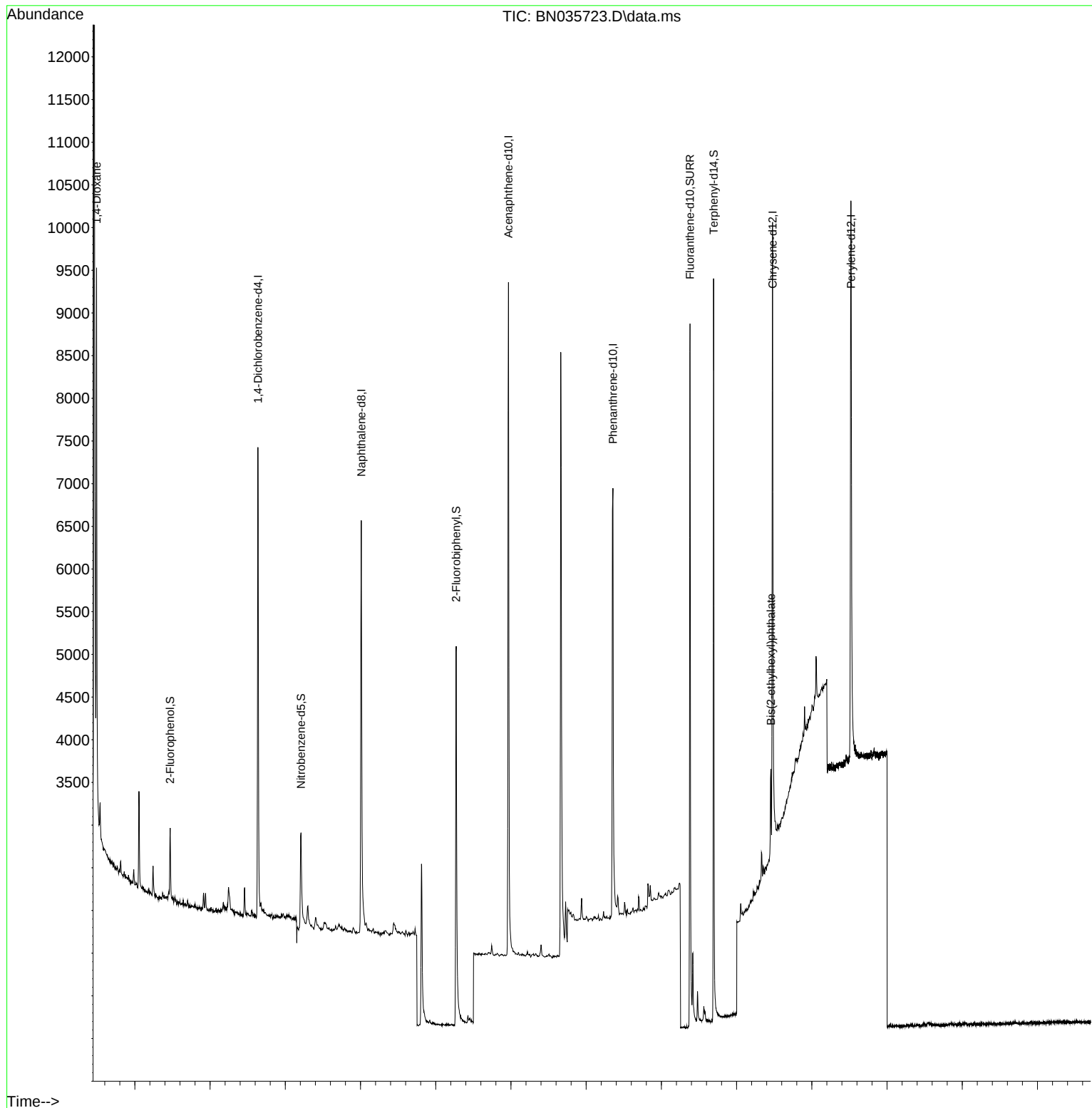
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121924\  
Data File : BN035723.D  
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ALS Vial : 14 Sample Multiplier: 1

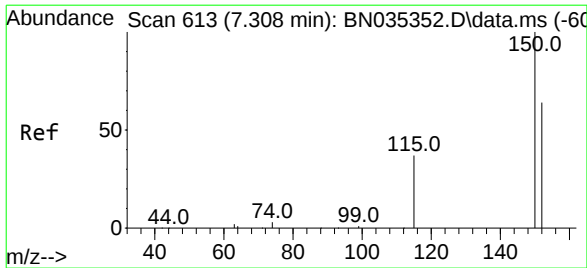
Instrument :  
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Quant Time: Dec 20 02:56:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 19 23:06:19 2024  
Response via : Initial Calibration

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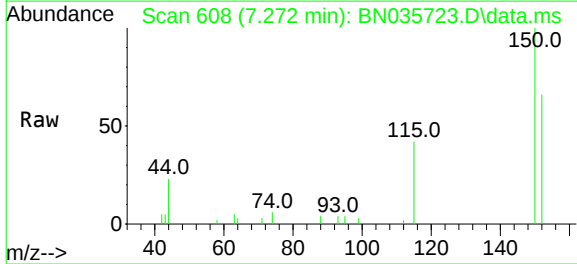
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.272 min Scan# 60  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

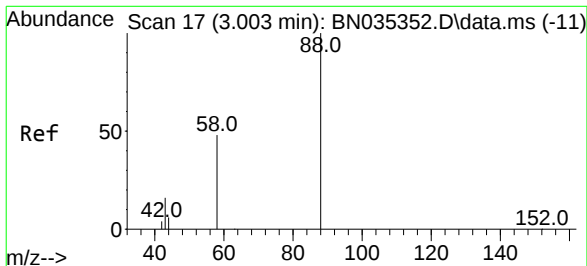
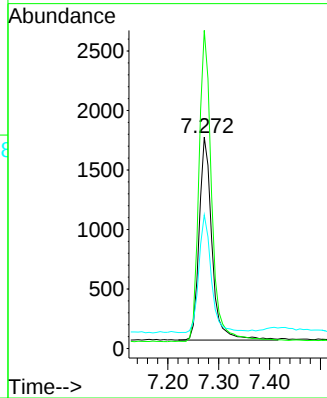
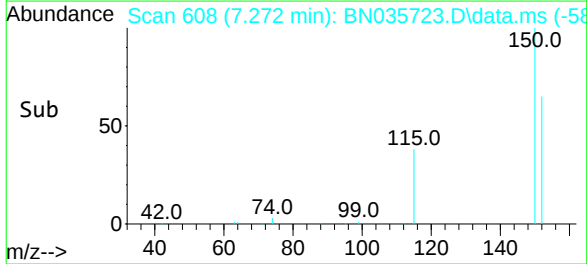
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210



Tgt Ion: 152 Resp: 2978  
Ion Ratio Lower Upper  
152 100  
150 150.5 124.0 186.0  
115 63.2 49.6 74.4

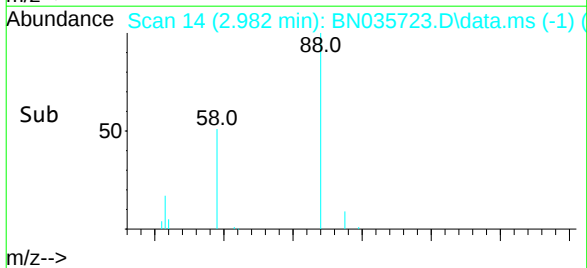
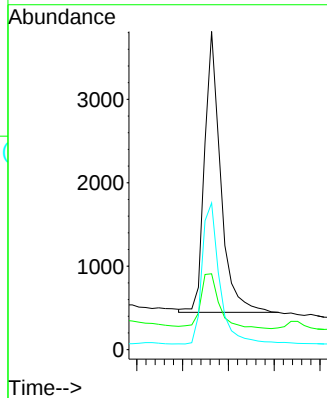
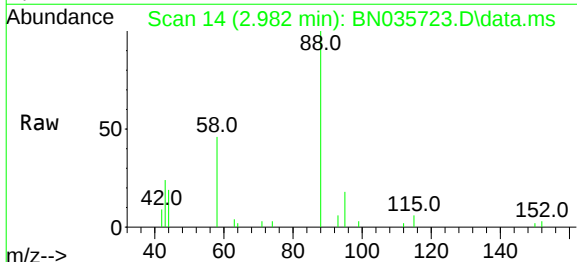
Manual Integrations  
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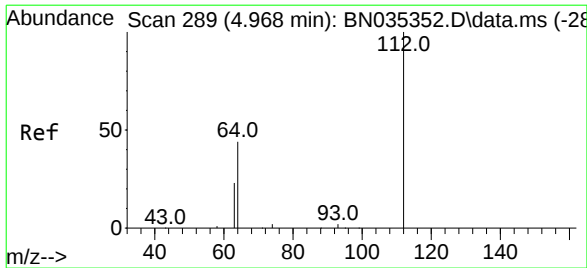
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#2  
1,4-Dioxane  
Concen: 1.446 ng  
RT: 2.982 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

Tgt Ion: 88 Resp: 4118  
Ion Ratio Lower Upper  
88 100  
43 23.0 17.2 25.8  
58 54.6 44.5 66.7





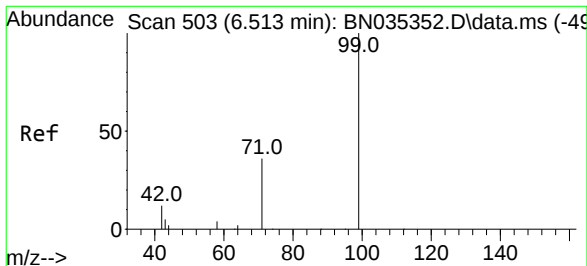
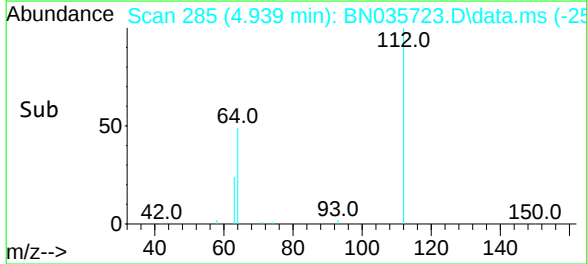
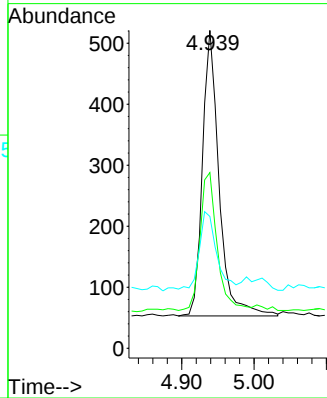
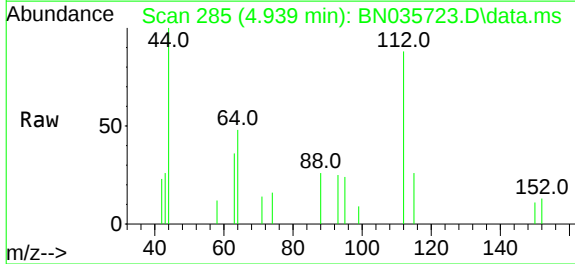
#4  
2-Fluorophenol  
Concen: 0.100 ng  
RT: 4.939 min Scan# 289  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 746   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 49.6  | 39.8  | 59.8  |
| 63       | 27.5  | 21.0  | 31.6  |

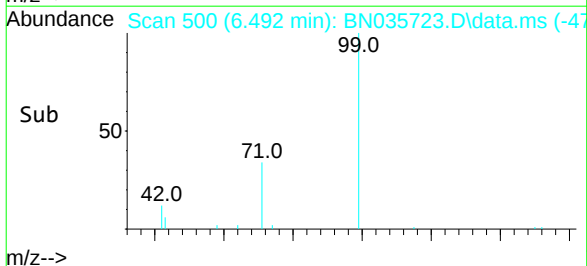
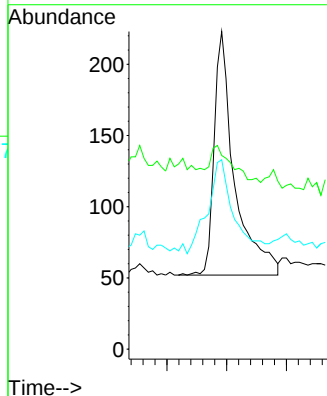
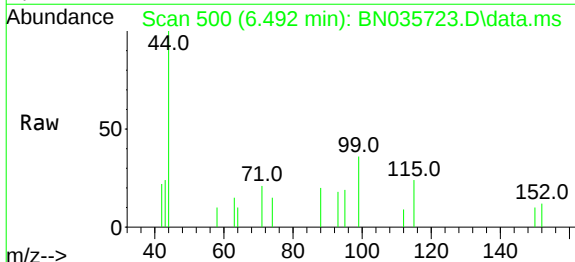
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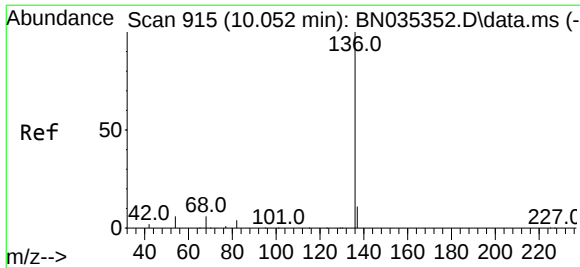
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#5  
Phenol-d6  
Concen: 0.045 ng  
RT: 6.492 min Scan# 500  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

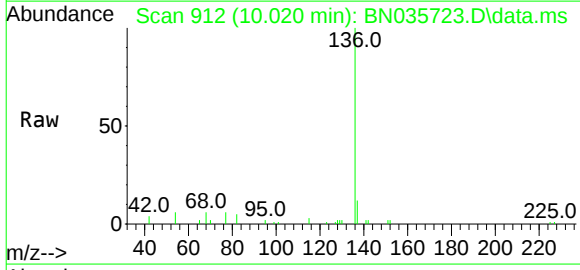
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 405   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 15.6  | 11.4  | 17.2  |
| 71       | 45.7  | 29.3  | 43.9  |





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.020 min Scan# 915  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

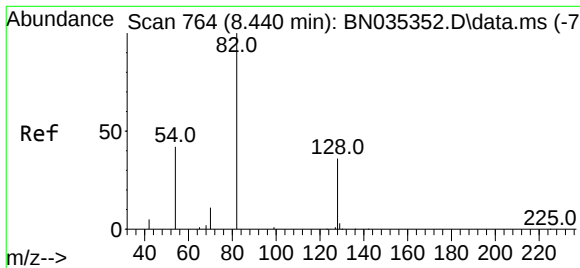
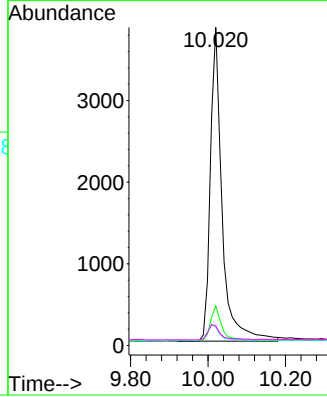
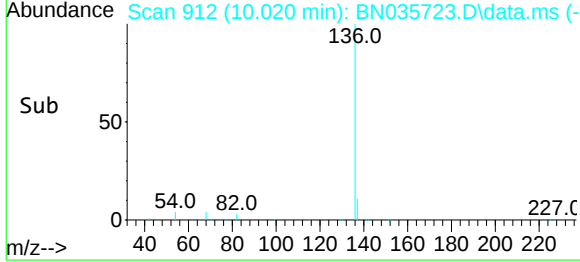
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210



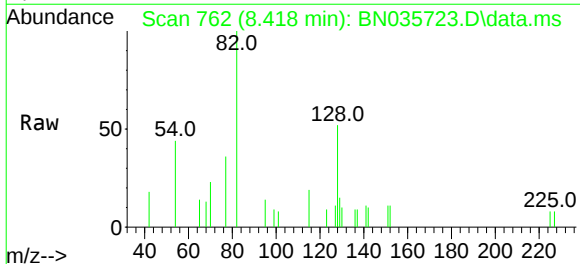
Tgt Ion: 136 Resp: 8067  
Ion Ratio Lower Upper  
136 100  
137 12.4 10.2 15.2  
54 5.8 6.1 9.1#  
68 6.1 6.4 9.6#

Manual Integrations  
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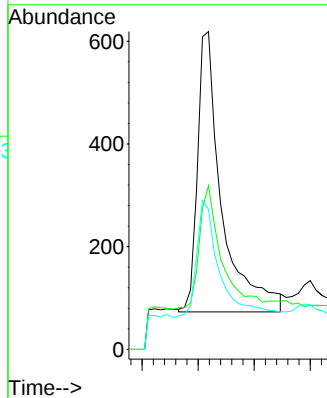
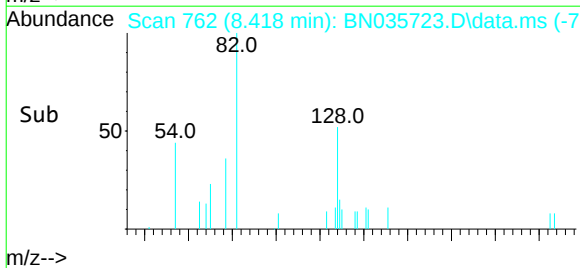
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024

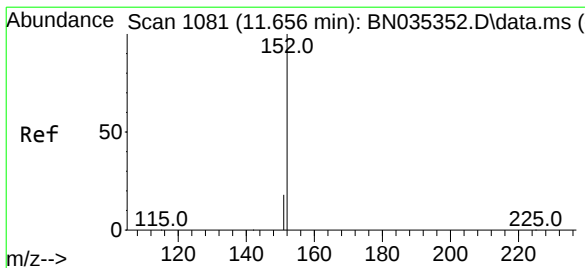


#8  
Nitrobenzene-d5  
Concen: 0.333 ng m  
RT: 8.418 min Scan# 762  
Delta R.T. 0.011 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34



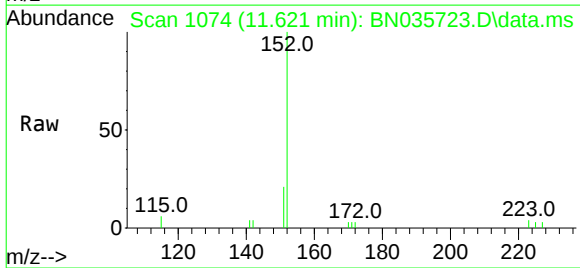
Tgt Ion: 82 Resp: 1641  
Ion Ratio Lower Upper  
82 100  
128 51.5 33.4 50.0#  
54 44.1 36.7 55.1





#11  
2-Methylnaphthalene-d10  
Concen: 0.307 ng  
RT: 11.621 min Scan# 1081  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

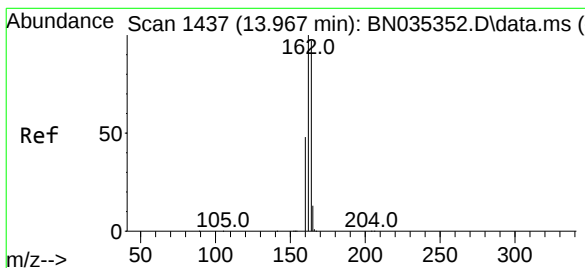
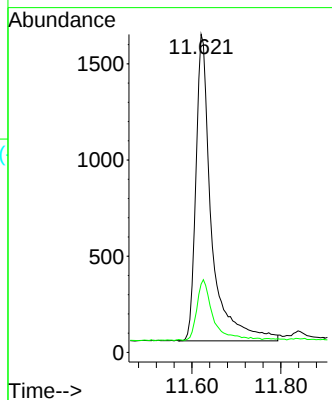
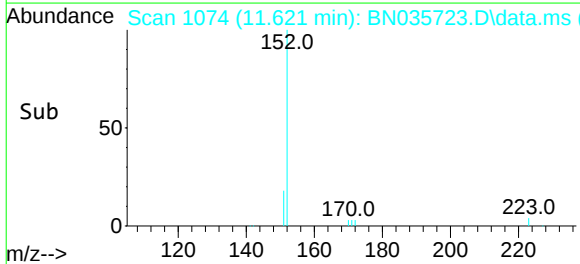
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210



Tgt Ion:152 Resp: 3879  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.6 25.0

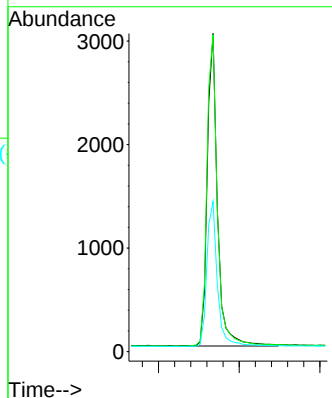
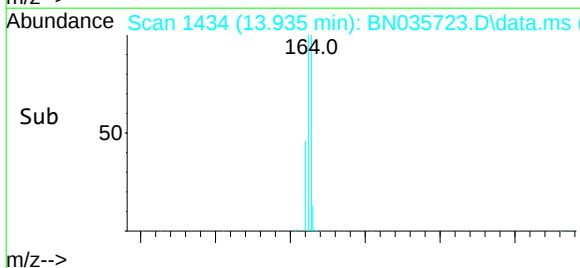
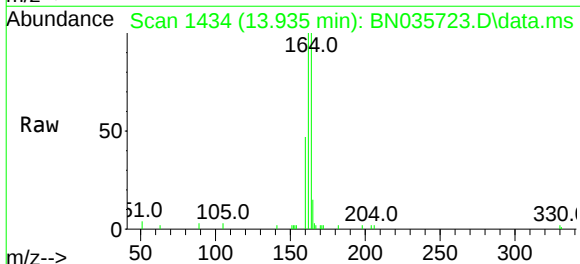
Manual Integrations  
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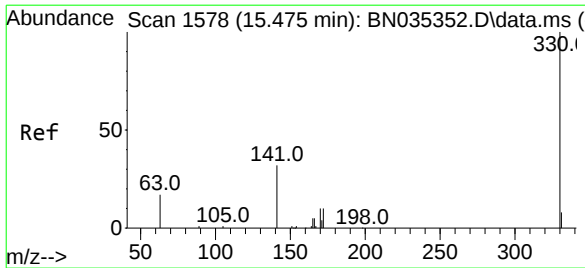
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 13.935 min Scan# 1434  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

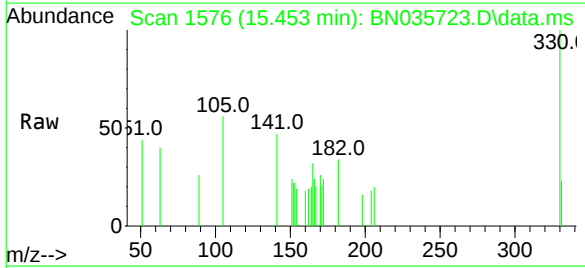
Tgt Ion:164 Resp: 5314  
Ion Ratio Lower Upper  
164 100  
162 99.7 82.2 123.2  
160 47.2 40.1 60.1





#14  
2,4,6-Tribromophenol  
Concen: 0.157 ng  
RT: 15.453 min Scan# 1578  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

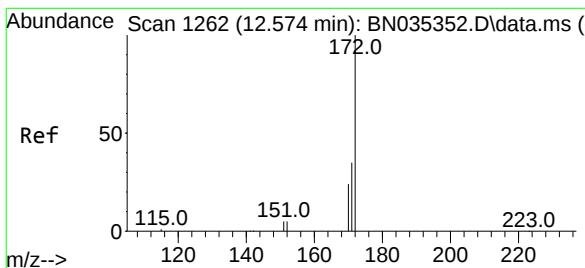
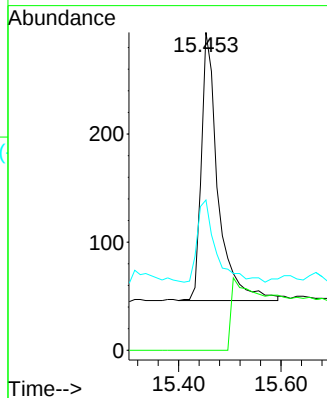
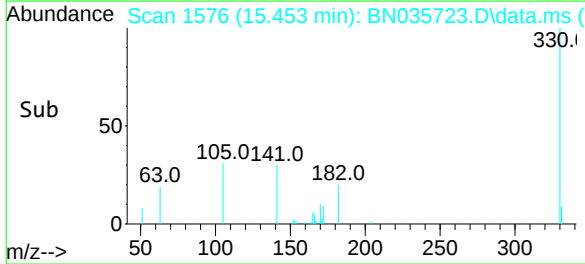
Instrument :  
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ClientSampleId :  
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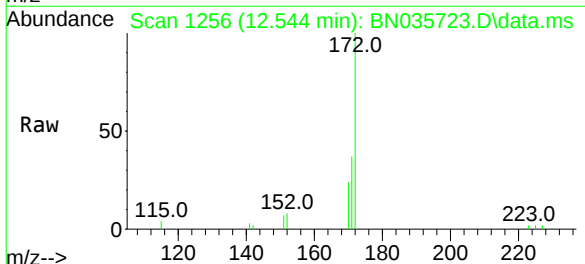
Tgt Ion: 330 Resp: 592  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 33.6 26.6 40.0

Manual Integrations  
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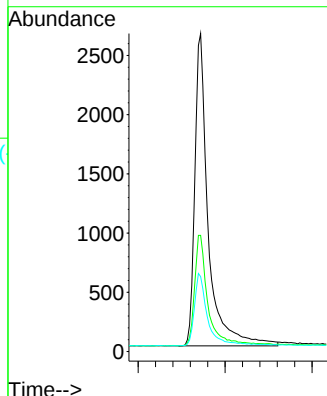
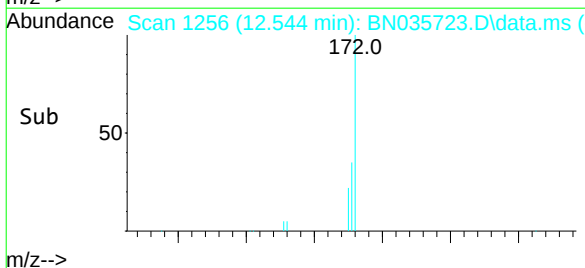
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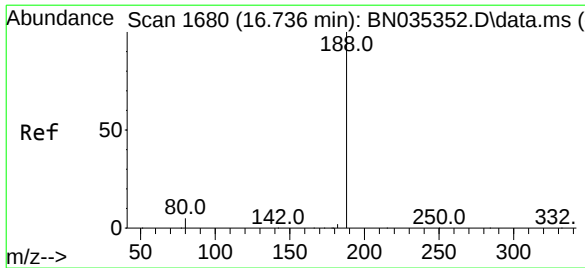


#15  
2-Fluorobiphenyl  
Concen: 0.280 ng  
RT: 12.544 min Scan# 1256  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34



Tgt Ion: 172 Resp: 5631  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.0 43.4  
170 23.6 19.8 29.8





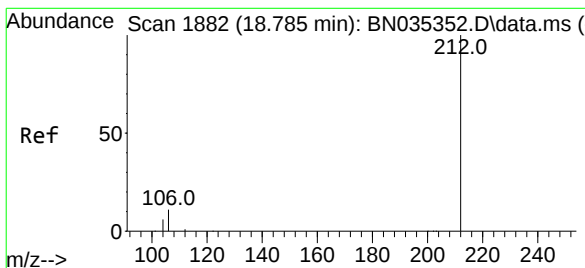
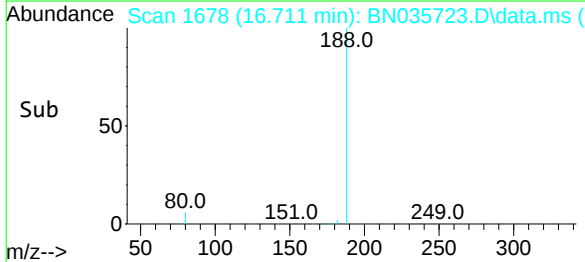
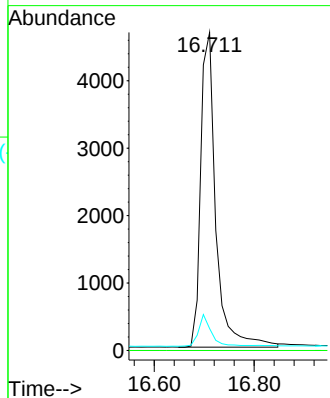
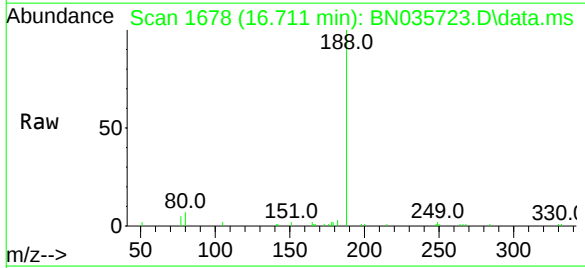
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Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.711 min Scan# 16  
Delta R.T. 0.012 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210

Tgt Ion:188 Resp: 9782  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 6.9 4.6 6.8#

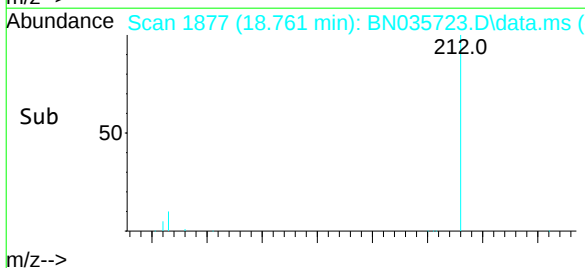
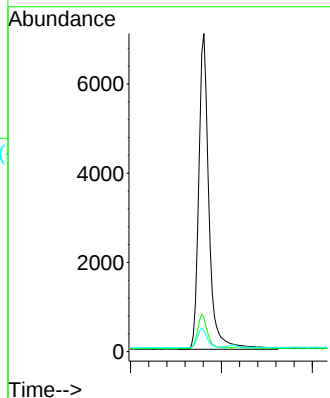
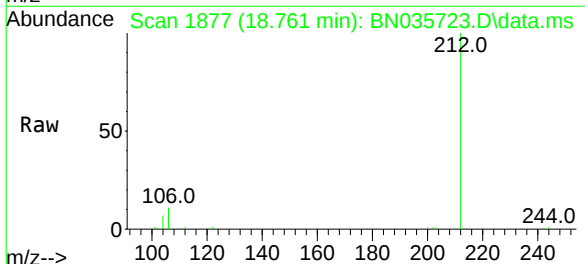
Manual Integrations  
APPROVED

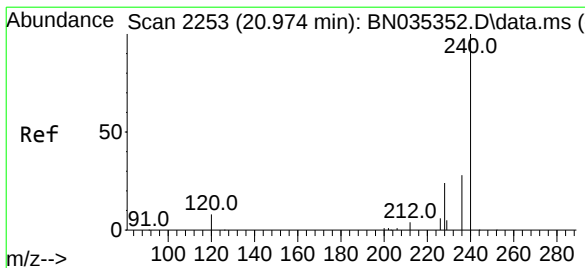
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#27  
Fluoranthene-d10  
Concen: 0.398 ng  
RT: 18.761 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

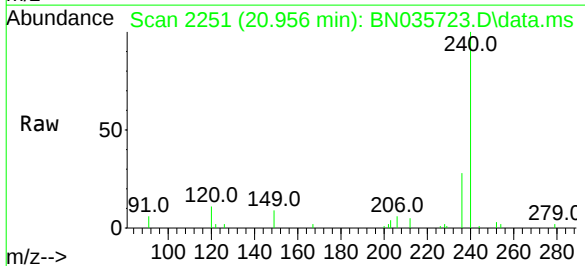
Tgt Ion:212 Resp: 11032  
Ion Ratio Lower Upper  
212 100  
106 10.5 9.2 13.8  
104 5.8 5.3 7.9





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 20.956 min Scan# 2251  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

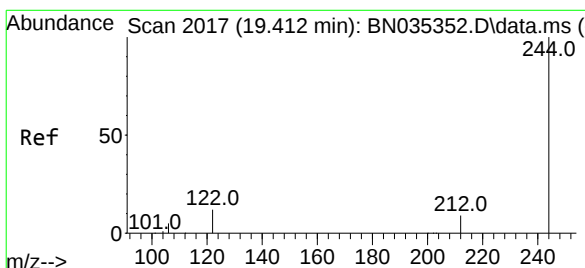
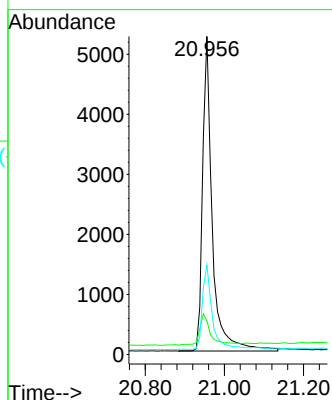
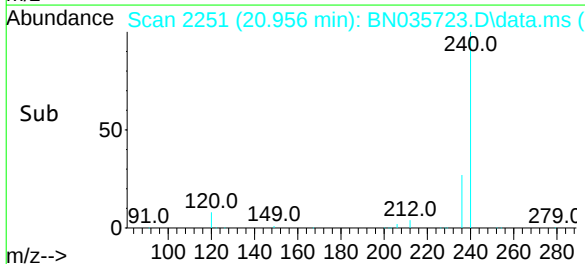
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 8919 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 10.6  | 7.9   | 11.9 |
| 236       | 28.1  | 22.9  | 34.3 |

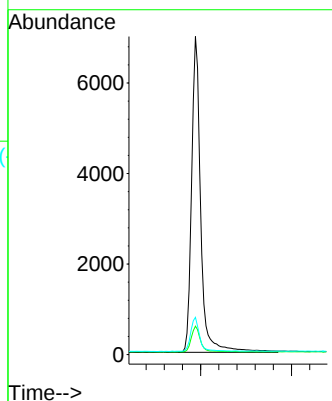
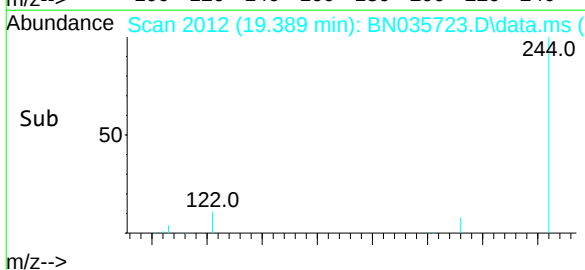
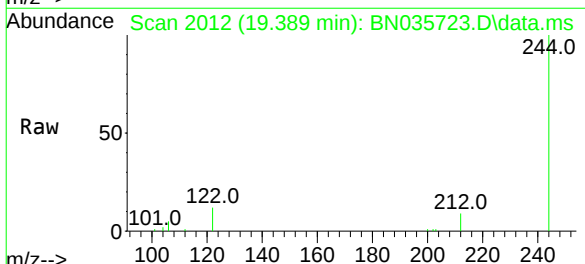
Manual Integrations  
APPROVED

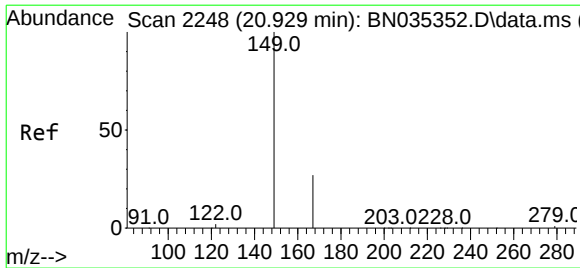
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#31  
Terphenyl-d14  
Concen: 0.556 ng  
RT: 19.389 min Scan# 2012  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

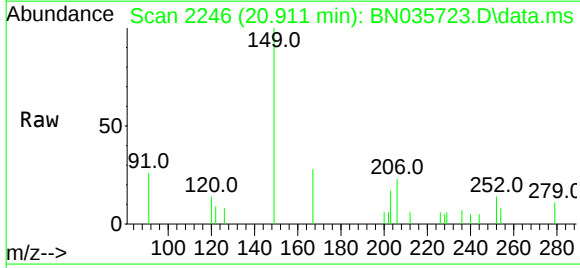
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 9774 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 8.9   | 8.1   | 12.1 |
| 122       | 11.7  | 10.3  | 15.5 |





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.094 ng  
RT: 20.911 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34

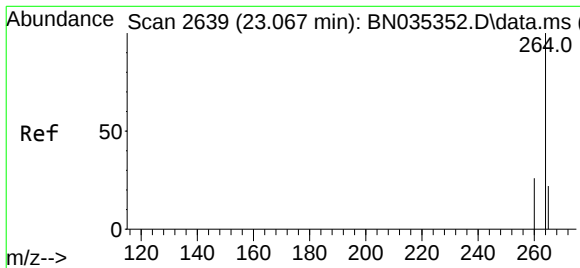
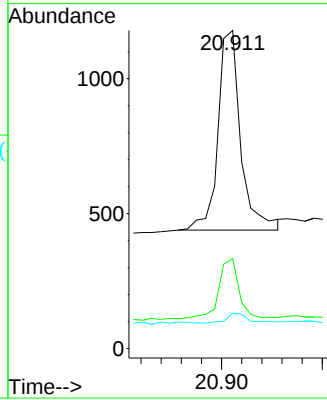
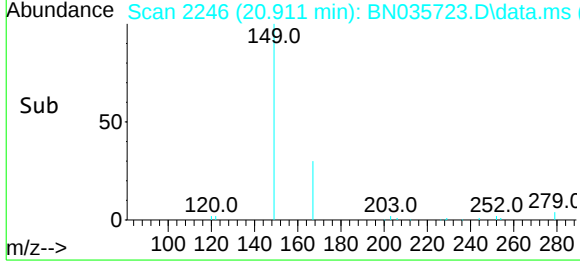
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20241210



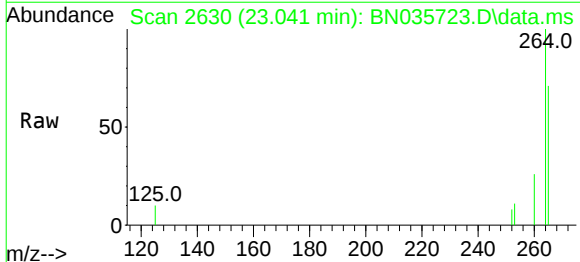
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.7  | 22.2  | 33.4  |
| 279     | 4.9   | 2.7   | 4.1#  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.041 min Scan# 2630  
Delta R.T. -0.000 min  
Lab File: BN035723.D  
Acq: 20 Dec 2024 02:34



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 21.4  | 32.2  |
| 265     | 71.0  | 40.2  | 60.4# |

