

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061024\  
 Data File : BN031890.D  
 Acq On : 10 Jun 2024 23:22  
 Operator : MA/JU  
 Sample : P2771-07  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-196-GW-220-222

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
 Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 11 00:12:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 15:47:32 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.668  | 152  | 9332     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.453 | 136  | 29449    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.306 | 164  | 18907    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.053 | 188  | 42883    | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.256 | 240  | 36782    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.484 | 264  | 38044    | 0.400 | ng    | -0.02    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.270  | 112  | 4531     | 0.171 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.844  | 99   | 3671     | 0.106 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.820  | 82   | 8480     | 0.347 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.043 | 152  | 16437    | 0.350 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.812 | 330  | 2650     | 0.292 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.927 | 172  | 26981    | 0.376 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.096 | 212  | 44488    | 0.381 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.695 | 244  | 45550    | 0.507 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.219  | 88   | 4596     | 0.402 | ng    | # 87     |
| 28) Fluoranthene              | 19.124 | 202  | 5663     | 0.039 | ng    | 97       |
| 30) Pyrene                    | 19.491 | 202  | 4761     | 0.033 | ng    | 96       |
| 32) Benzo(a)anthracene        | 21.238 | 228  | 5493     | 0.040 | ng    | 93       |
| 33) Chrysene                  | 21.292 | 228  | 6863m    | 0.052 | ng    |          |
| 34) Bis(2-ethylhexyl)phtha... | 21.166 | 149  | 3532     | 0.037 | ng    | # 95     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.744 | 276  | 2958     | 0.021 | ng    | 96       |
| 37) Benzo(b)fluoranthene      | 22.815 | 252  | 8735     | 0.063 | ng    | # 55     |
| 38) Benzo(k)fluoranthene      | 22.853 | 252  | 3483m    | 0.027 | ng    |          |
| 39) Benzo(a)pyrene            | 23.388 | 252  | 3175     | 0.027 | ng    | # 10     |
| -----                         |        |      |          |       |       |          |

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

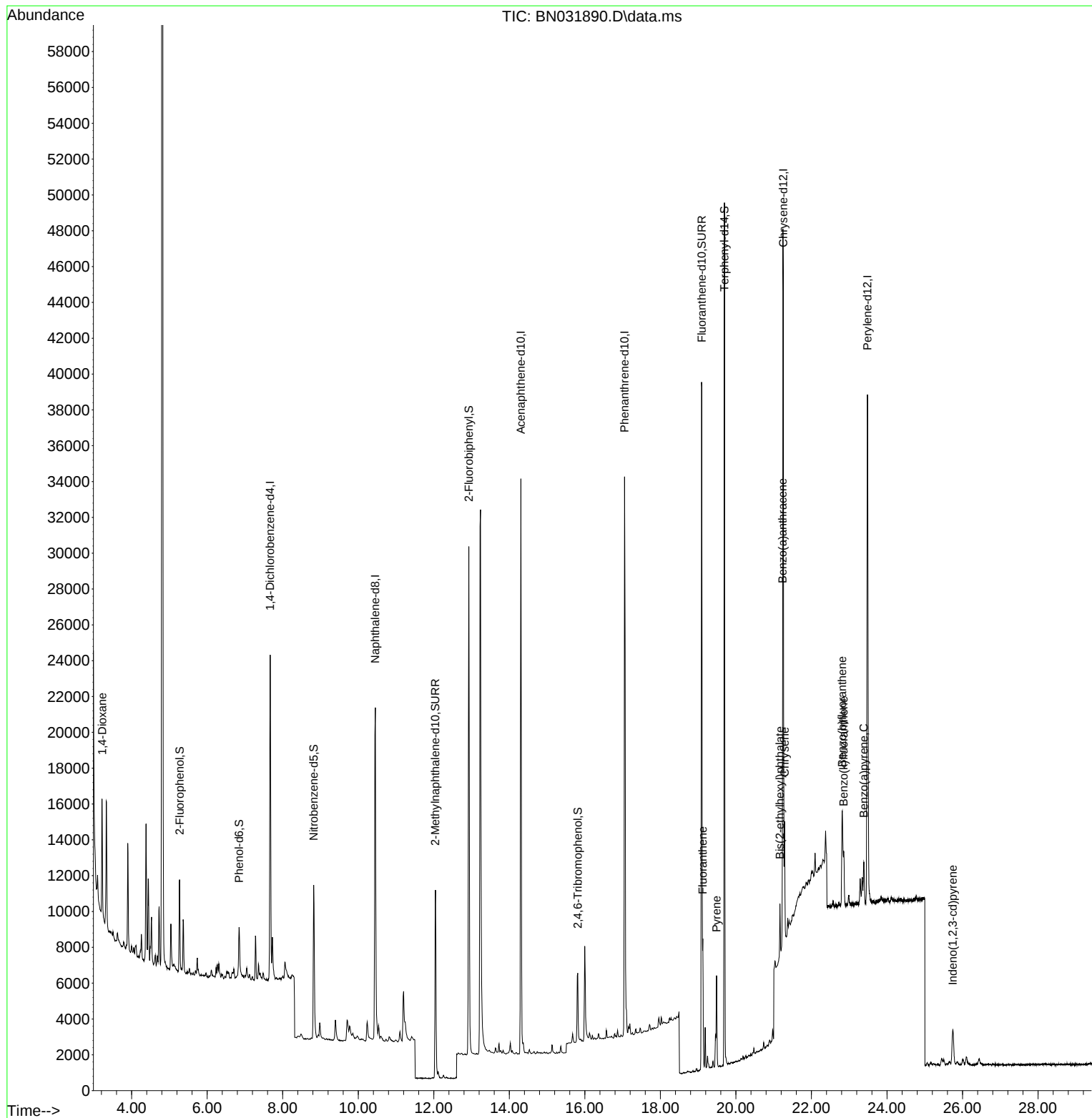
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061024\  
Data File : BN031890.D  
Acq On : 10 Jun 2024 23:22  
Operator : MA/JU  
Sample : P2771-07  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

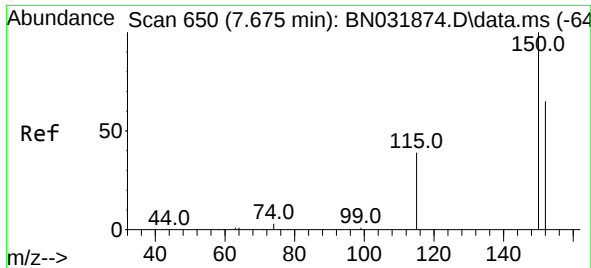
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024

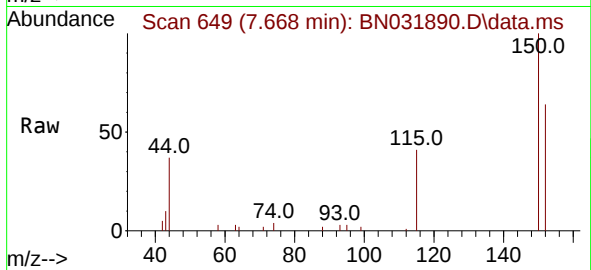
Quant Time: Jun 11 00:12:08 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 10 15:47:32 2024  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.668 min Scan# 649  
 Delta R.T. -0.007 min  
 Lab File: BN031890.D  
 Acq: 10 Jun 2024 23:22

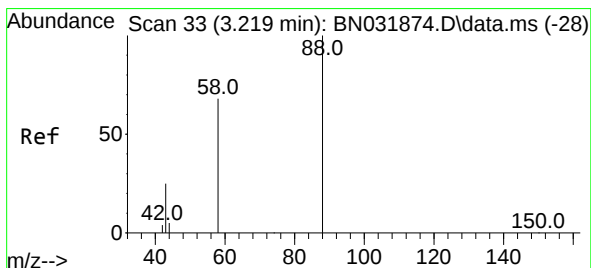
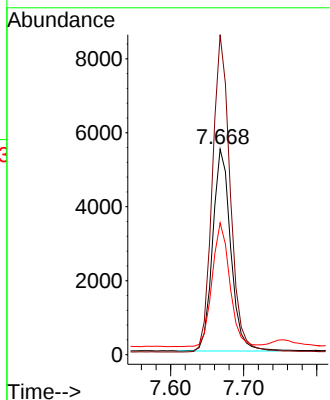
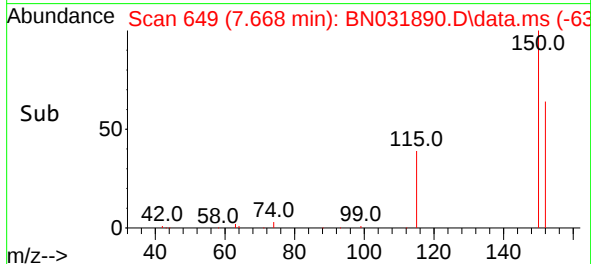
Instrument : BNA\_N  
 ClientSampleId : BP-VPB-196-GW-220-222



Tgt Ion:152 Resp: 933  
 Ion Ratio Lower Upper  
 152 100  
 150 155.6 121.0 181.4  
 115 64.1 49.4 74.0

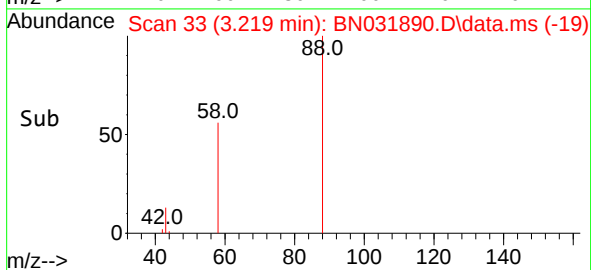
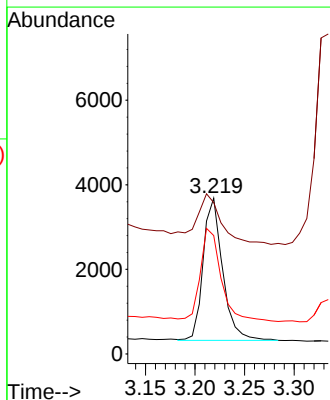
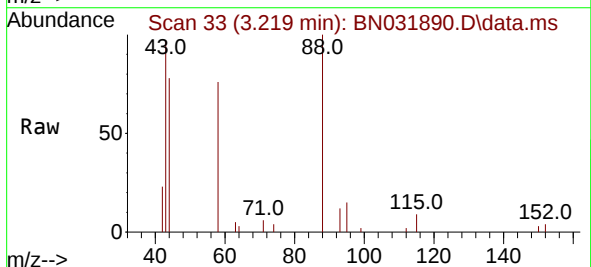
Manual Integrations  
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 Supervised By :mohammad ahmed 06/13/2024



#2  
 1,4-Dioxane  
 Concen: 0.402 ng  
 RT: 3.219 min Scan# 33  
 Delta R.T. 0.000 min  
 Lab File: BN031890.D  
 Acq: 10 Jun 2024 23:22

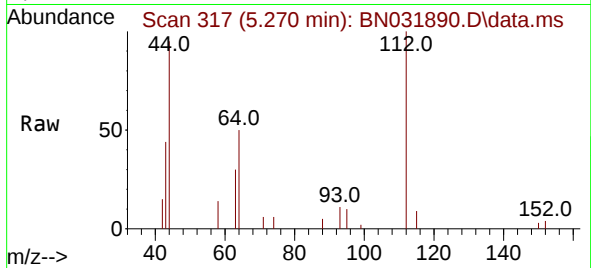
Tgt Ion: 88 Resp: 4596  
 Ion Ratio Lower Upper  
 88 100  
 43 42.5 22.7 34.1#  
 58 69.8 51.3 76.9





#4  
2-Fluorophenol  
Concen: 0.171 ng  
RT: 5.270 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

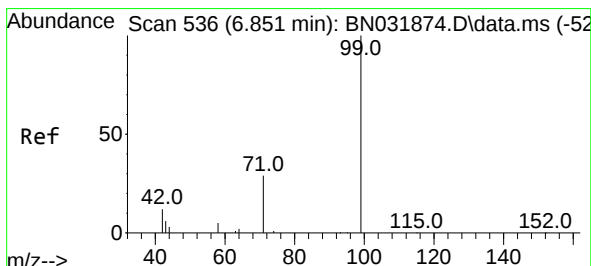
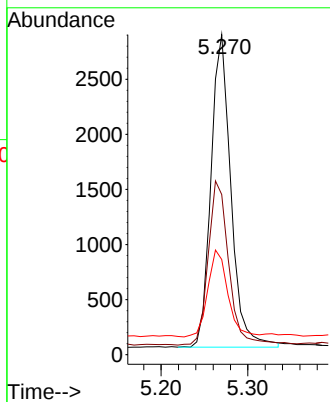
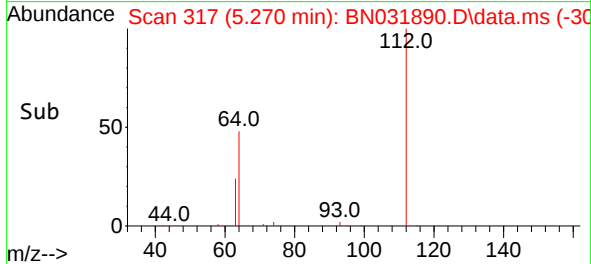
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion: 112 Resp: 453  
Ion Ratio Lower Upper  
112 100  
64 53.7 42.4 63.6  
63 27.9 22.1 33.1

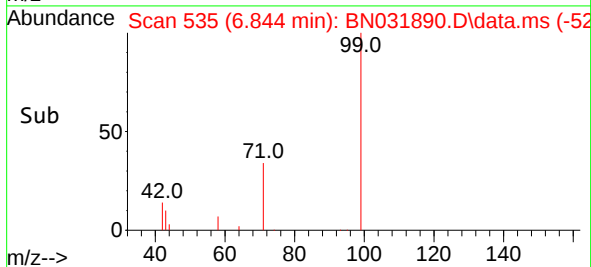
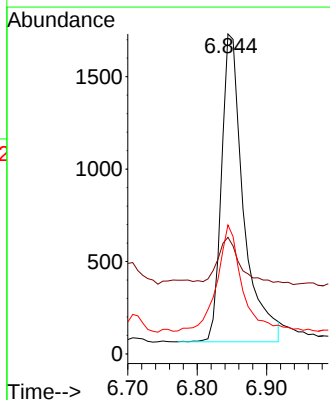
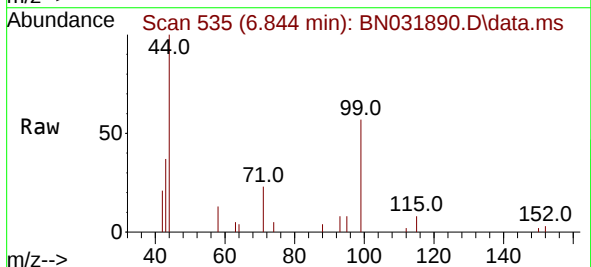
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Supervised By :mohammad ahmed 06/13/2024



#5  
Phenol-d6  
Concen: 0.106 ng  
RT: 6.844 min Scan# 535  
Delta R.T. -0.007 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

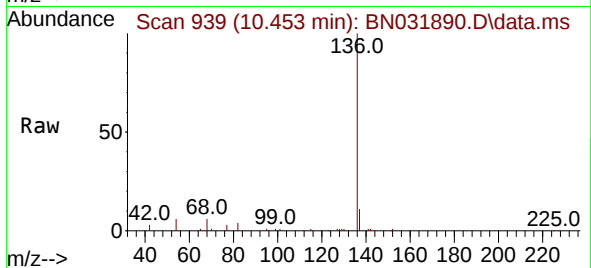
Tgt Ion: 99 Resp: 3671  
Ion Ratio Lower Upper  
99 100  
42 13.5 12.8 19.2  
71 38.2 25.4 38.2#





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.453 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

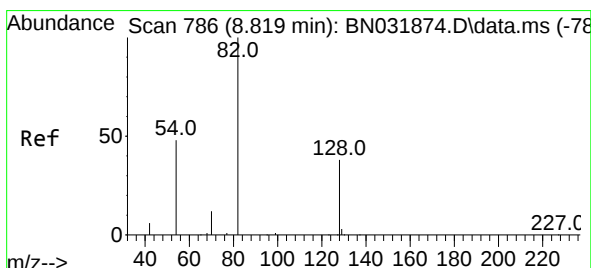
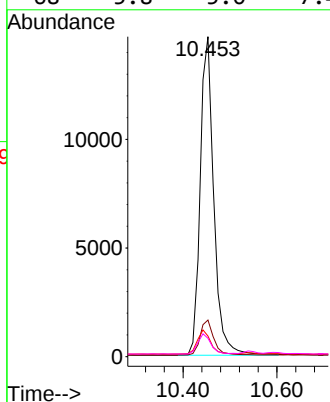
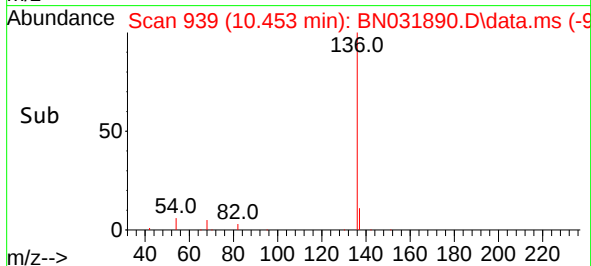
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 29449 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 8.9   | 13.3  |
| 54       | 6.5   | 5.6   | 8.4   |
| 68       | 5.8   | 5.0   | 7.4   |

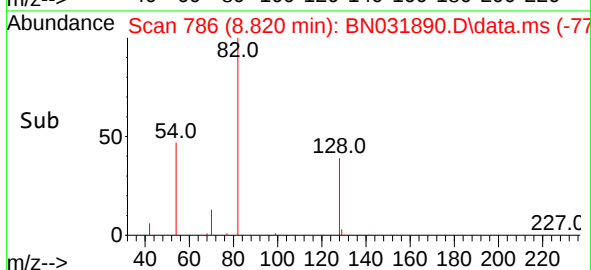
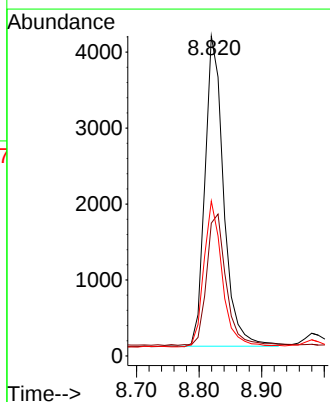
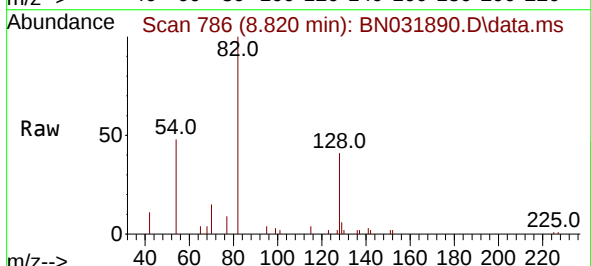
Manual Integrations  
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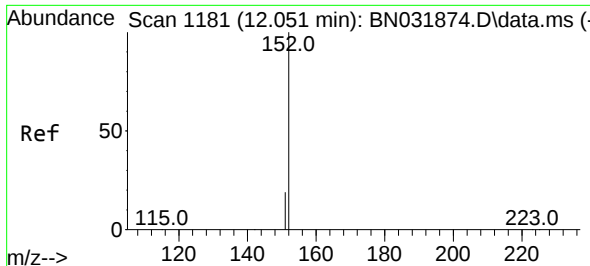
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#8  
Nitrobenzene-d5  
Concen: 0.347 ng  
RT: 8.820 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

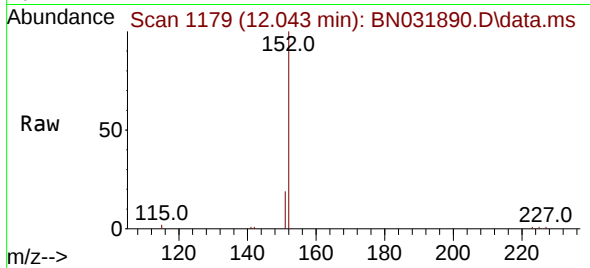
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 8480  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.5  | 32.1  | 48.1  |
| 54       | 48.4  | 39.7  | 59.5  |





#11  
2-Methylnaphthalene-d10  
Concen: 0.350 ng  
RT: 12.043 min Scan# 1181  
Delta R.T. -0.007 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

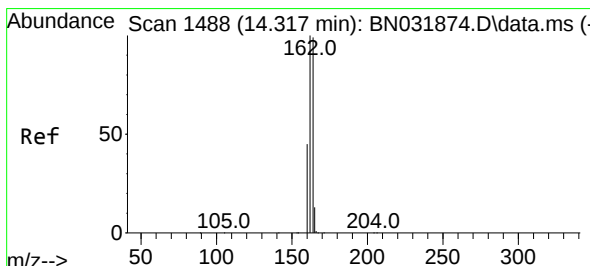
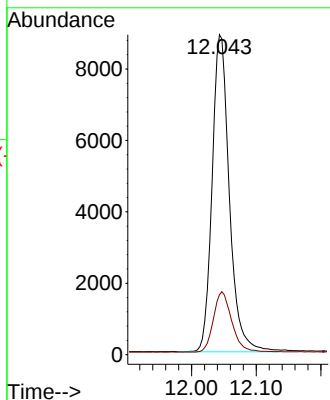
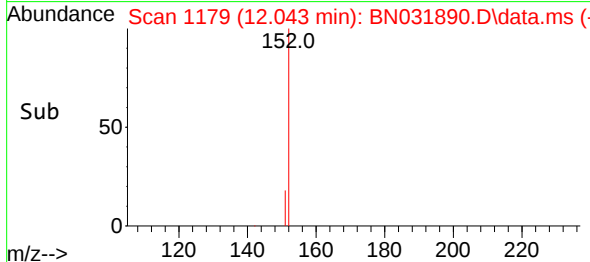
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion:152 Resp: 1643  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5

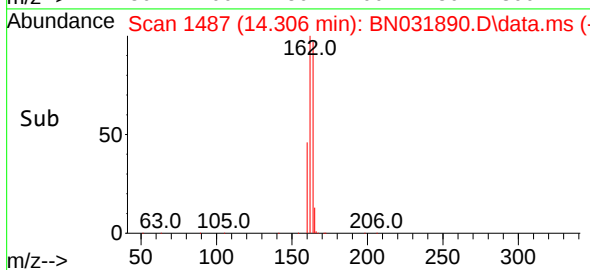
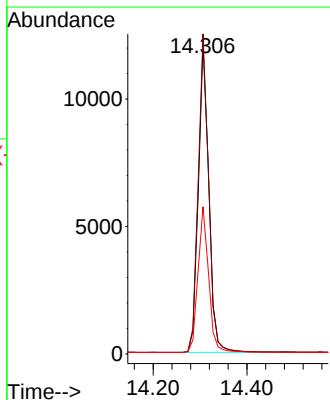
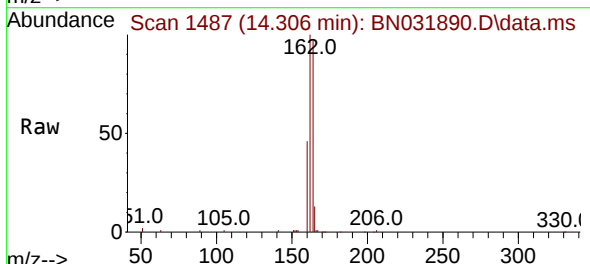
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.306 min Scan# 1487  
Delta R.T. -0.011 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

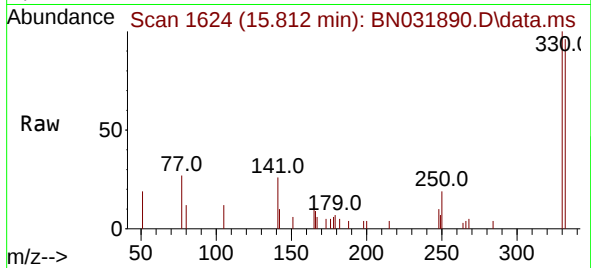
Tgt Ion:164 Resp: 18907  
Ion Ratio Lower Upper  
164 100  
162 103.4 80.7 121.1  
160 47.5 36.2 54.4





#14  
2,4,6-Tribromophenol  
Concen: 0.292 ng  
RT: 15.812 min Scan# 1624  
Delta R.T. 0.000 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

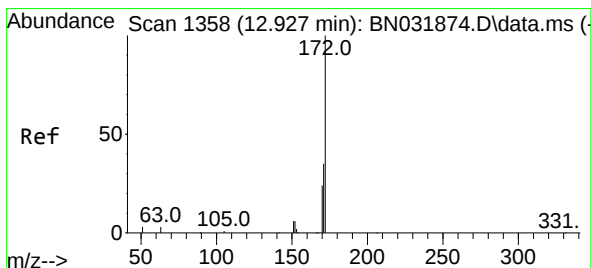
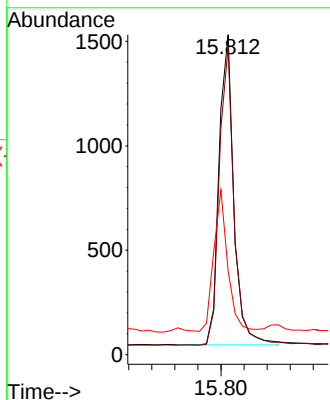
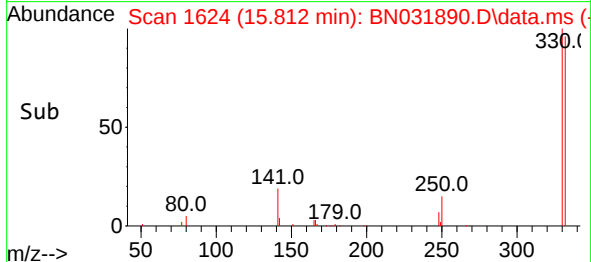
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



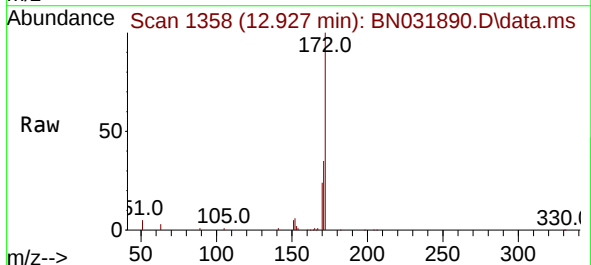
Tgt Ion:330 Resp: 2650  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.5 116.3  
141 42.6 34.7 52.1

Manual Integrations  
APPROVED

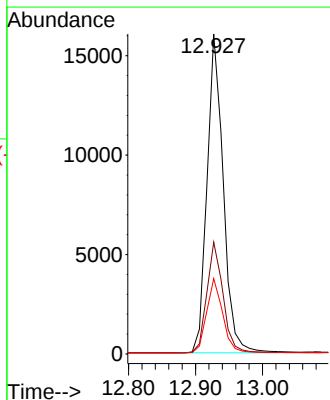
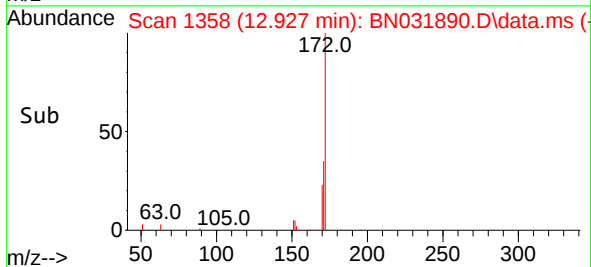
Reviewed By :Jagrut Upadhyay 06/11/2024  
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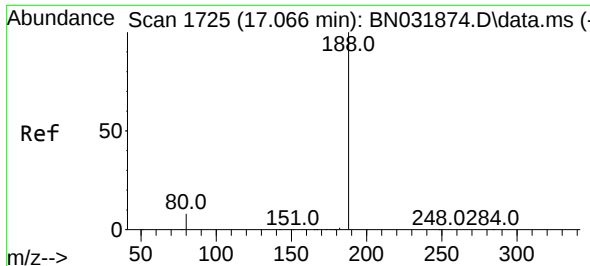


#15  
2-Fluorobiphenyl  
Concen: 0.376 ng  
RT: 12.927 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22



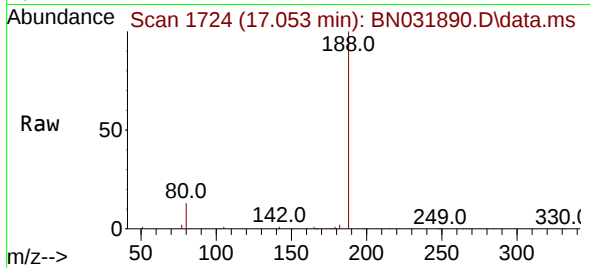
Tgt Ion:172 Resp: 26981  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.6 42.8  
170 23.6 19.2 28.8





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.053 min Scan# 1725  
Delta R.T. -0.012 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

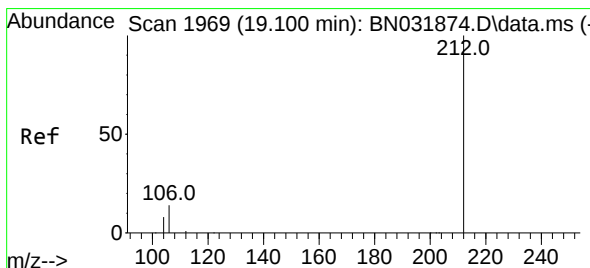
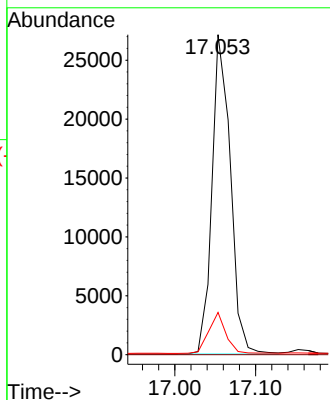
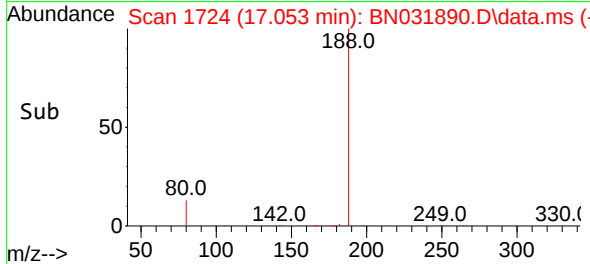
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion:188 Resp: 4288  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.2 6.4 9.6

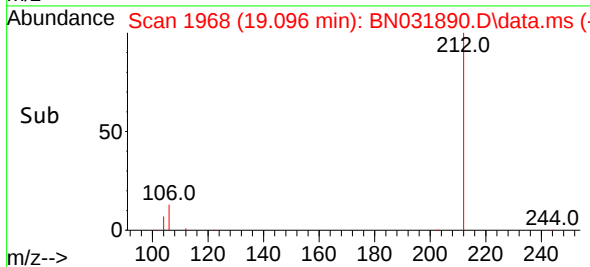
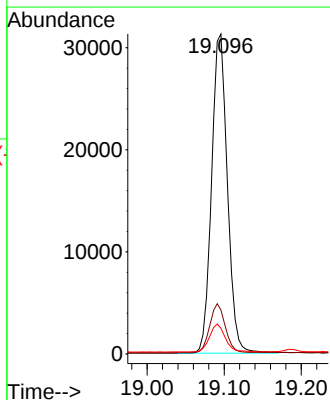
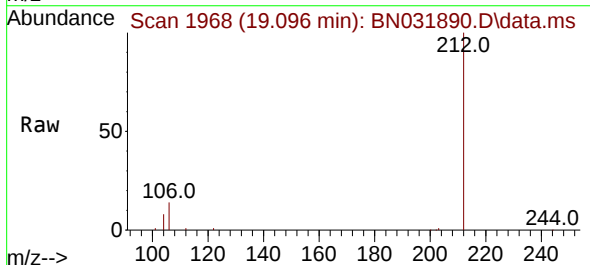
Manual Integrations  
APPROVED

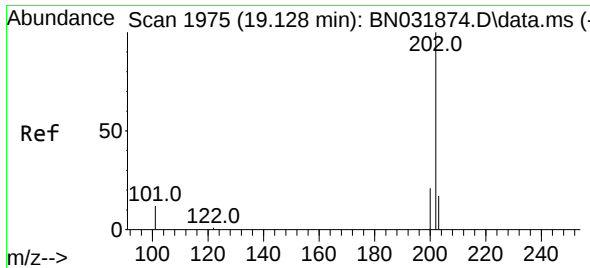
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#27  
Fluoranthene-d10  
Concen: 0.381 ng  
RT: 19.096 min Scan# 1968  
Delta R.T. -0.005 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

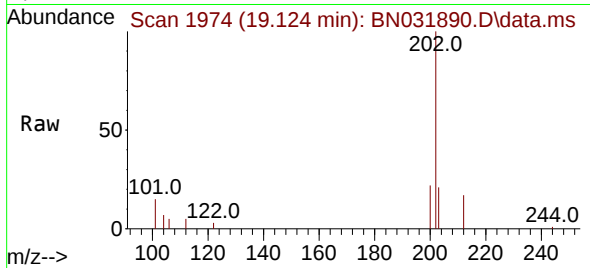
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Ion Ratio Lower Upper  
212 100  
106 15.1 11.8 17.8  
104 8.6 6.6 10.0





#28  
Fluoranthene  
Concen: 0.039 ng  
RT: 19.124 min Scan# 1975  
Delta R.T. -0.005 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

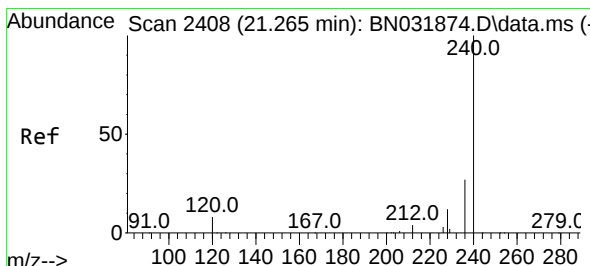
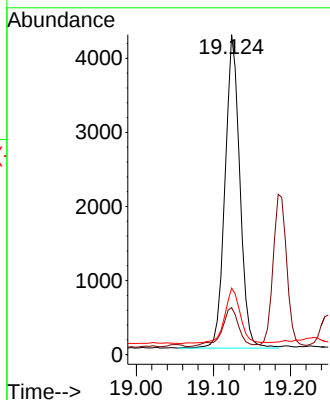
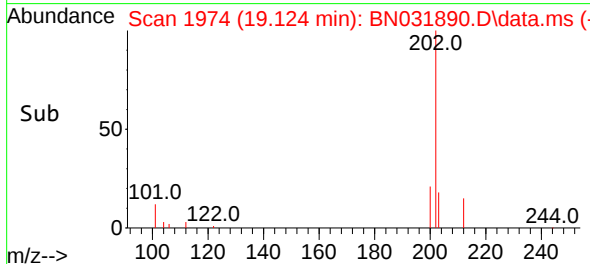
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion:202 Resp: 566  
Ion Ratio Lower Upper  
202 100  
101 14.0 9.8 14.6  
203 18.0 13.7 20.5

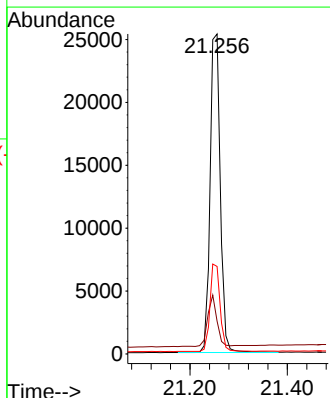
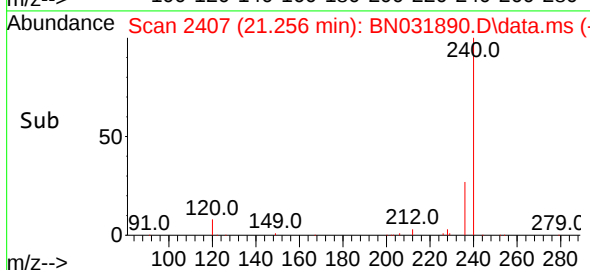
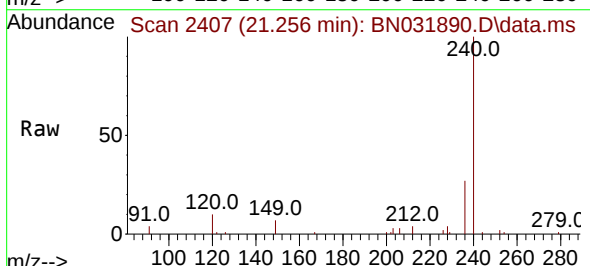
Manual Integrations  
APPROVED

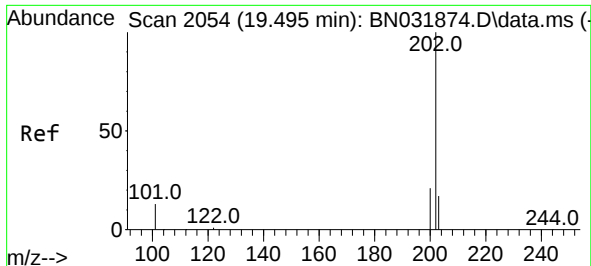
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.256 min Scan# 2407  
Delta R.T. -0.009 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

Tgt Ion:240 Resp: 36782  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.2 12.4  
236 27.4 21.8 32.8





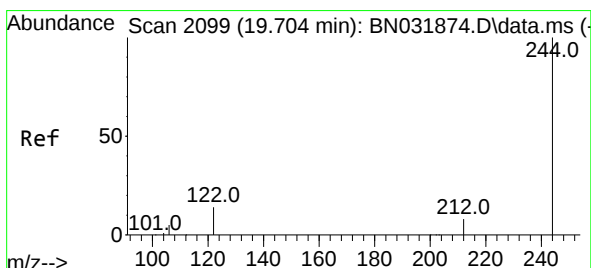
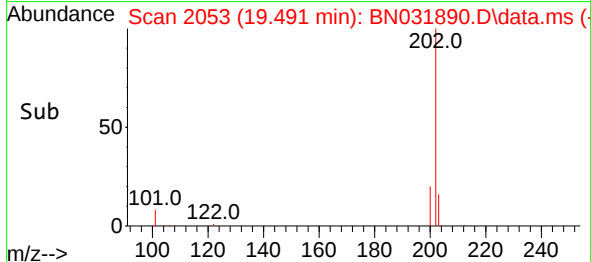
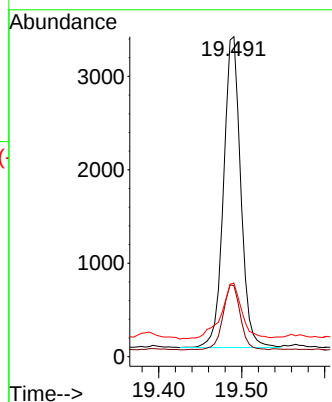
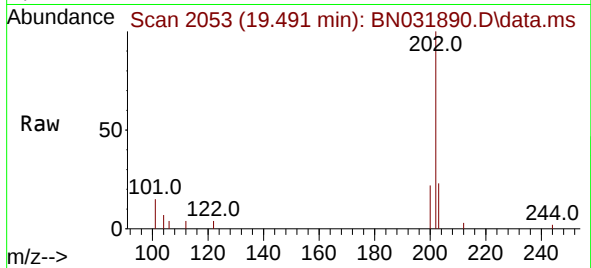
#30  
Pyrene  
Concen: 0.033 ng  
RT: 19.491 min Scan# 2053  
Delta R.T. -0.005 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222

Tgt Ion:202 Resp: 476  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.7 25.1  
203 21.4 14.3 21.5

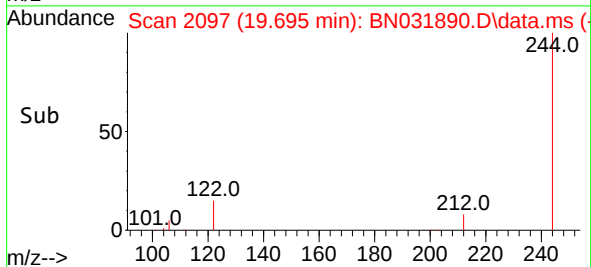
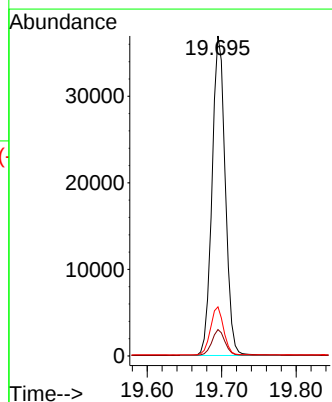
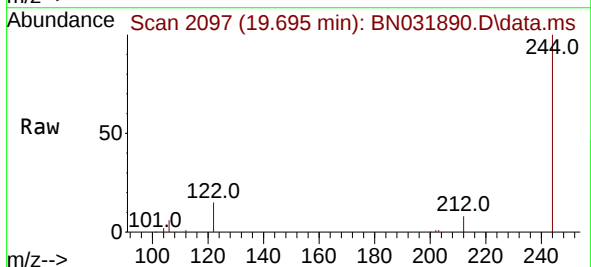
Manual Integrations  
APPROVED

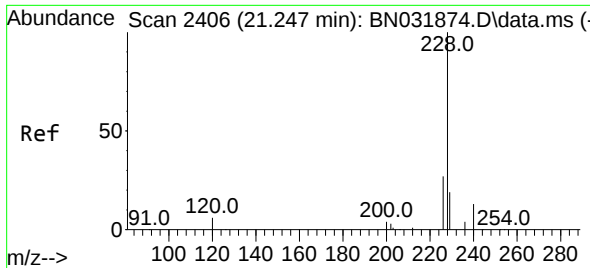
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#31  
Terphenyl-d14  
Concen: 0.507 ng  
RT: 19.695 min Scan# 2097  
Delta R.T. -0.009 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

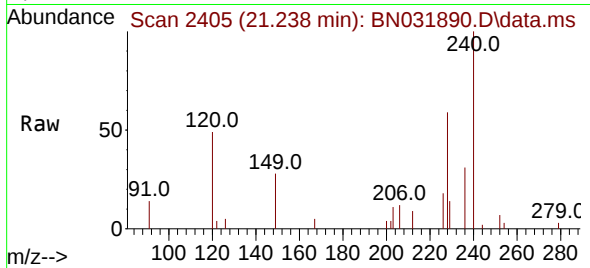
Tgt Ion:244 Resp: 45550  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.5 9.7  
122 15.4 11.4 17.0





#32  
Benzo(a)anthracene  
Concen: 0.040 ng  
RT: 21.238 min Scan# 2405  
Delta R.T. -0.009 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

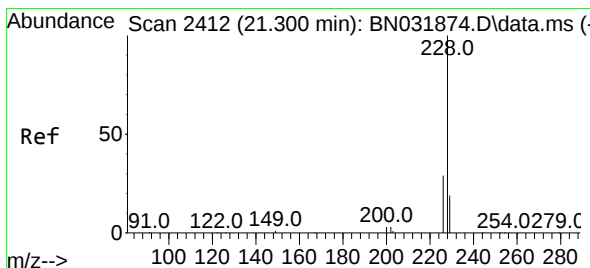
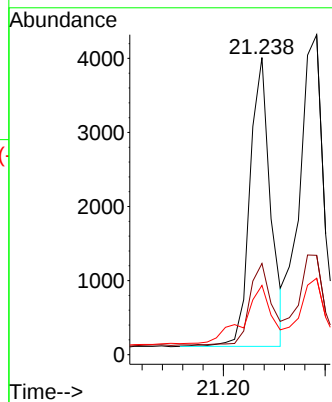
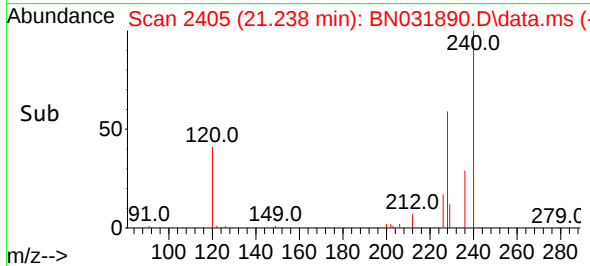
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion:228 Resp: 549  
Ion Ratio Lower Upper  
228 100  
226 30.7 21.8 32.6  
229 23.3 15.8 23.8

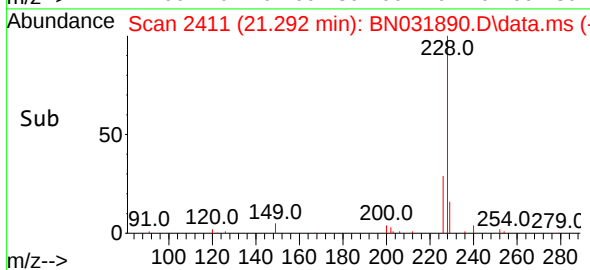
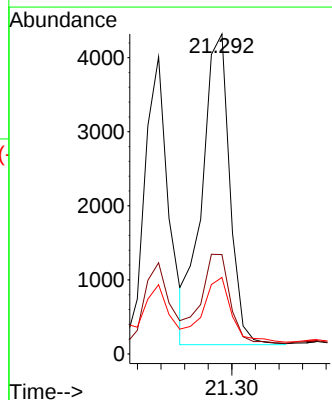
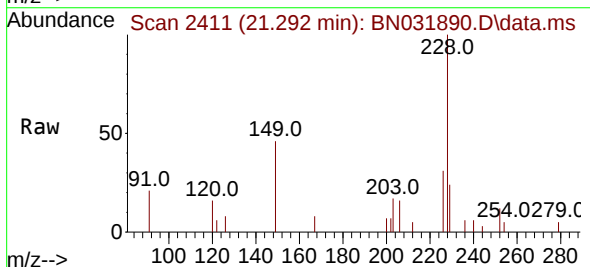
Manual Integrations  
APPROVED

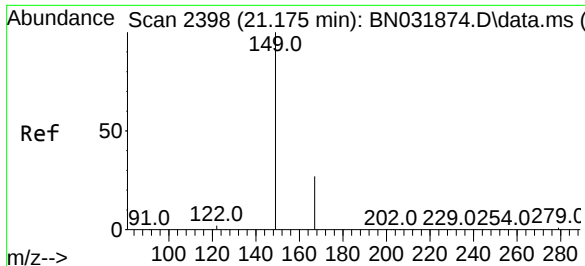
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#33  
Chrysene  
Concen: 0.052 ng m  
RT: 21.292 min Scan# 2411  
Delta R.T. -0.009 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

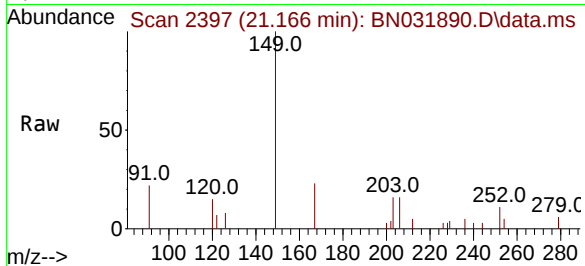
Tgt Ion:228 Resp: 6863  
Ion Ratio Lower Upper  
228 100  
226 31.0 23.6 35.4  
229 23.9 15.8 23.6#





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.037 ng  
RT: 21.166 min Scan# 211  
Delta R.T. -0.009 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

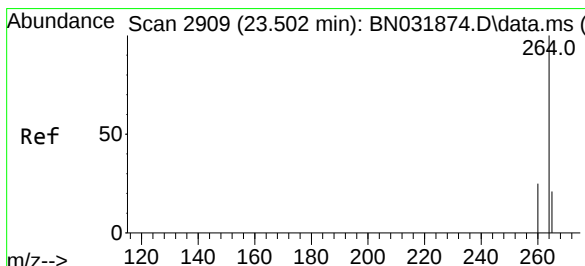
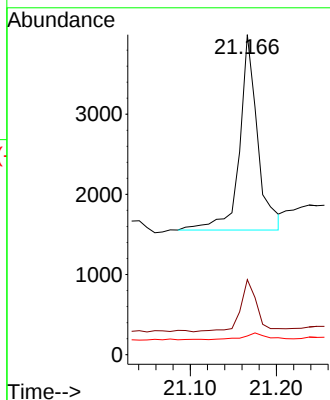
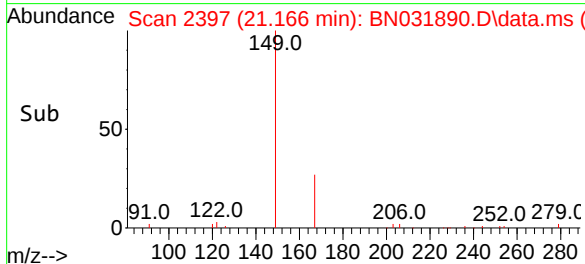
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion:149 Resp: 353  
Ion Ratio Lower Upper  
149 100  
167 25.3 22.5 33.7  
279 5.3 2.9 4.3

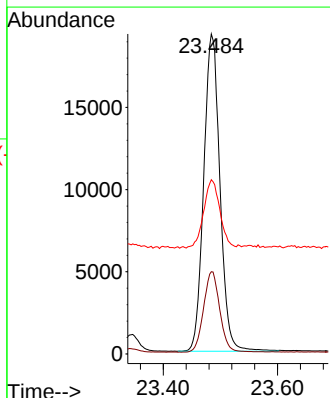
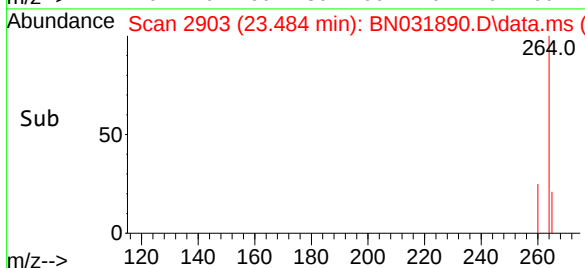
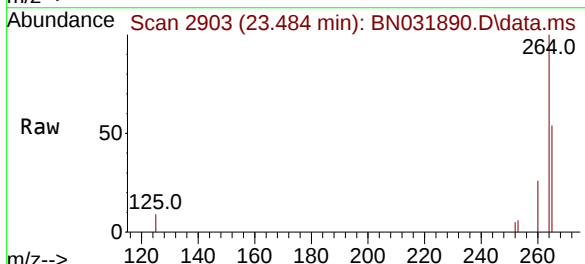
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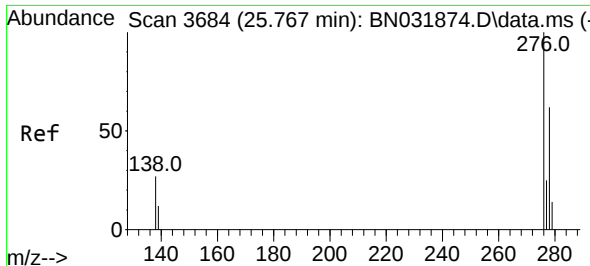
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.484 min Scan# 2903  
Delta R.T. -0.017 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

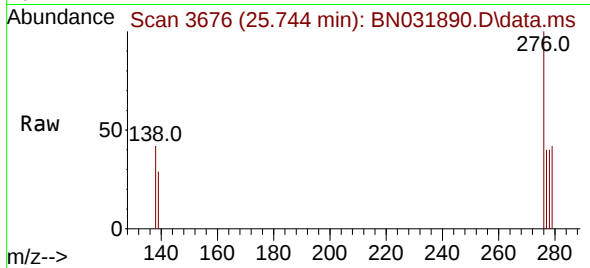
Tgt Ion:264 Resp: 38044  
Ion Ratio Lower Upper  
264 100  
260 25.7 20.5 30.7  
265 54.4 39.6 59.4





#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.021 ng  
RT: 25.744 min Scan# 3676  
Delta R.T. -0.023 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

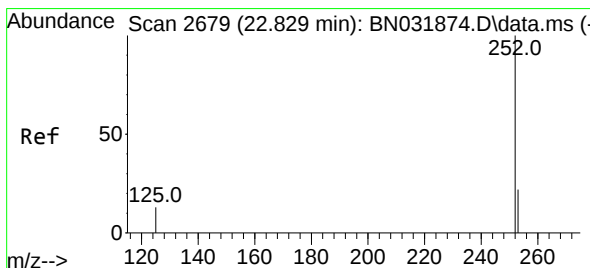
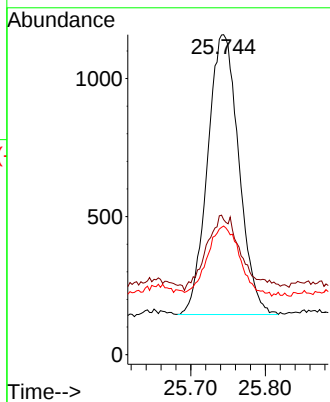
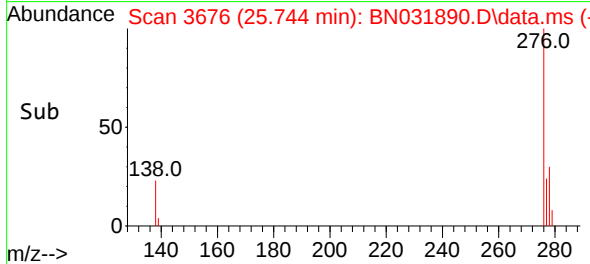
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



Tgt Ion:276 Resp: 2958  
Ion Ratio Lower Upper  
276 100  
138 29.7 21.5 32.3  
277 26.2 19.8 29.8

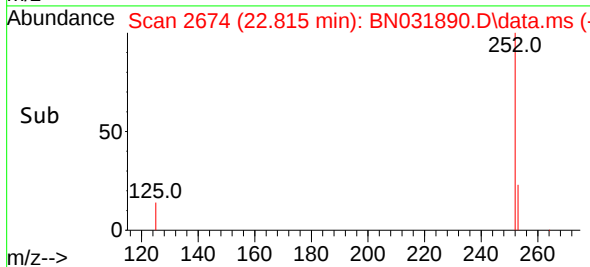
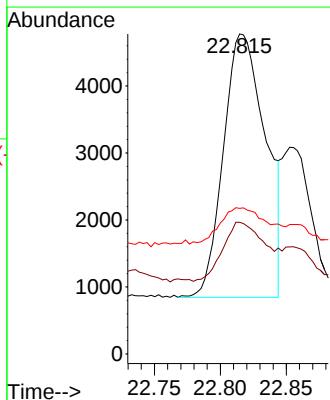
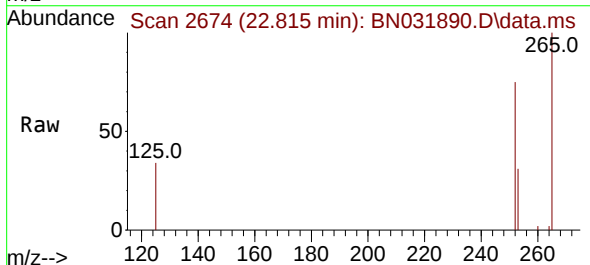
Manual Integrations  
APPROVED

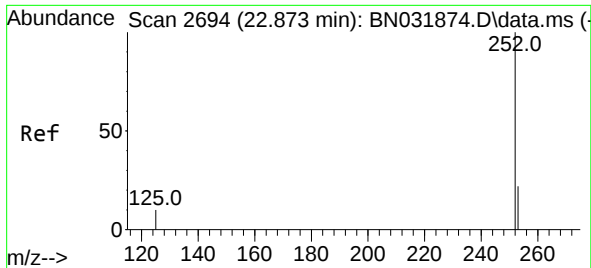
Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#37  
Benzo(b)fluoranthene  
Concen: 0.063 ng  
RT: 22.815 min Scan# 2674  
Delta R.T. -0.015 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

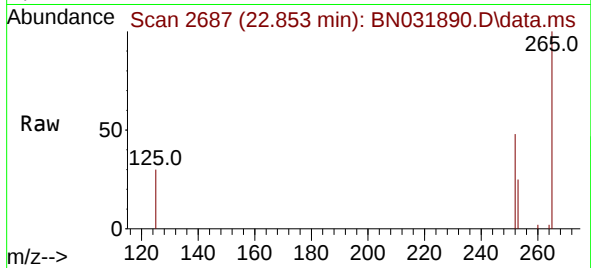
Tgt Ion:252 Resp: 8735  
Ion Ratio Lower Upper  
252 100  
253 41.2 20.2 30.2#  
125 45.5 14.2 21.4#





#38  
Benzo(k)fluoranthene  
Concen: 0.027 ng m  
RT: 22.853 min Scan# 2687  
Delta R.T. -0.020 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22

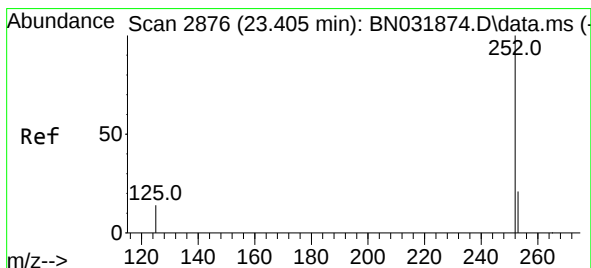
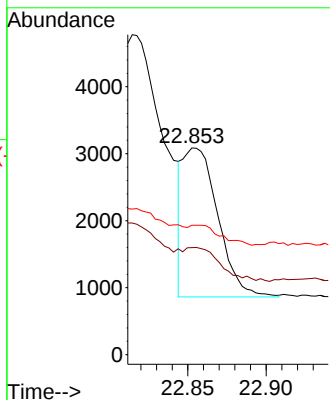
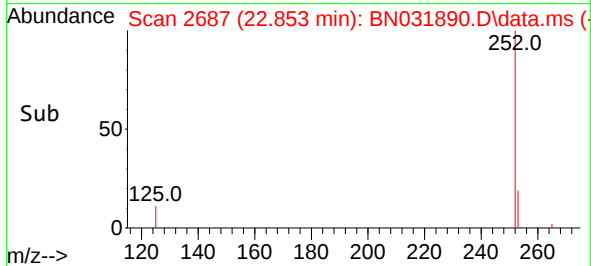
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-196-GW-220-222



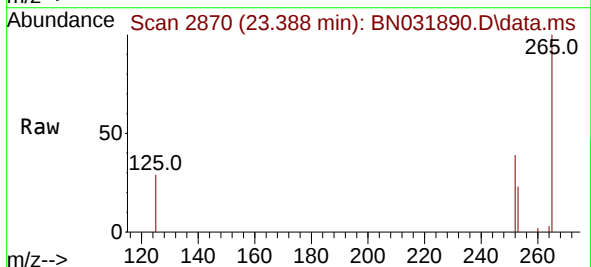
Tgt Ion:252 Resp: 348  
Ion Ratio Lower Upper  
252 100  
253 51.8 19.9 29.9#  
125 62.6 13.0 19.4#

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 06/11/2024  
Supervised By :mohammad ahmed 06/13/2024



#39  
Benzo(a)pyrene  
Concen: 0.027 ng  
RT: 23.388 min Scan# 2870  
Delta R.T. -0.017 min  
Lab File: BN031890.D  
Acq: 10 Jun 2024 23:22



Tgt Ion:252 Resp: 3175  
Ion Ratio Lower Upper  
252 100  
253 59.7 20.5 30.7#  
125 75.4 16.4 24.6#

