

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030722\  
 Data File : BN018860.D  
 Acq On : 07 Mar 2022 16:08  
 Operator : CG/JU  
 Sample : N1797-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-TT-MW161S1-GW-20220303

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/08/2022  
 Supervised By : Jagrut Upadhyay 03/08/2022

Quant Time: Mar 08 02:21:19 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN030322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 03 00:44:34 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.912  | 152  | 3410     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.722 | 136  | 9831     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.538 | 164  | 6350     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.277 | 188  | 15171    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.458 | 240  | 16449    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.855 | 264  | 14485    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.464  | 112  | 774      | 0.104 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.067  | 99   | 601      | 0.067 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.067  | 82   | 1950m    | 0.272 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.306 | 152  | 4293     | 0.268 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.025 | 330  | 737      | 0.252 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.169 | 172  | 7807     | 0.287 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.307 | 212  | 15913    | 0.356 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.902 | 244  | 12971    | 0.369 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.312  | 88   | 992      | 0.260 | ng    | # 88     |
| 32) Benzo(a)anthracene        | 21.440 | 228  | 1404     | 0.023 | ng    | # 88     |
| 33) Chrysene                  | 21.494 | 228  | 2294     | 0.034 | ng    | 94       |
| 34) Bis(2-ethylhexyl)phtha... | 21.369 | 149  | 13396    | 0.351 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.340 | 276  | 3118     | 0.048 | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 23.124 | 252  | 3702     | 0.055 | ng    | # 66     |
| 38) Benzo(k)fluoranthene      | 23.173 | 252  | 2711     | 0.041 | ng    | # 57     |
| 40) Dibenzo(a,h)anthracene    | 26.354 | 278  | 2173     | 0.044 | ng    | # 69     |
| 41) Benzo(g,h,i)perylene      | 27.100 | 276  | 2947     | 0.055 | ng    | # 89     |
| -----                         |        |      |          |       |       |          |

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

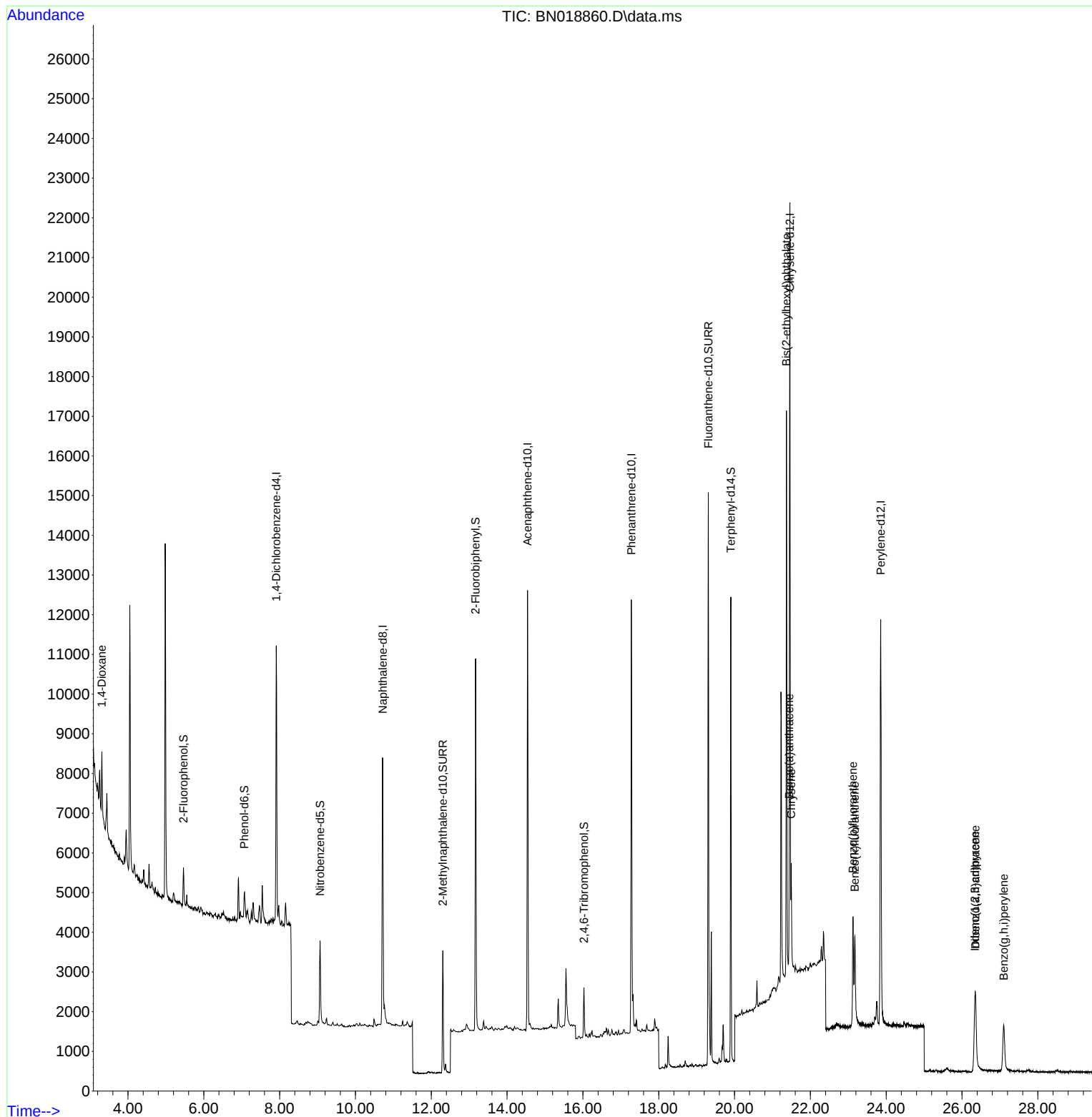
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN030722\  
Data File : BN018860.D  
Acq On : 07 Mar 2022 16:08  
Operator : CG/JU  
Sample : N1797-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

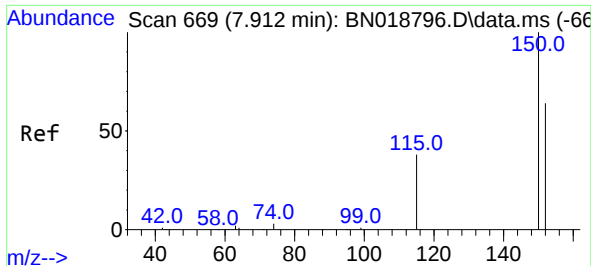
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303

Quant Time: Mar 08 02:21:19 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN030322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Mar 03 00:44:34 2022  
Response via : Initial Calibration

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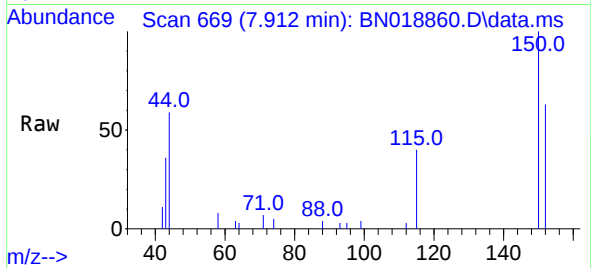
Reviewed By : Christian Giraldo 03/08/2022  
Supervised By : Jagrut Upadhyay 03/08/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.912 min Scan# 669  
Delta R.T. 0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

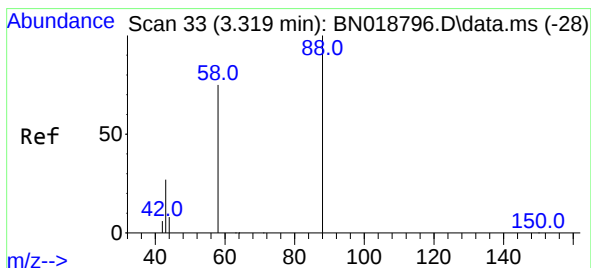
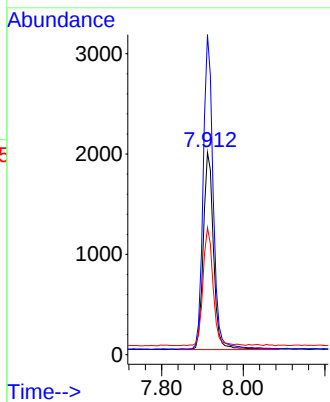
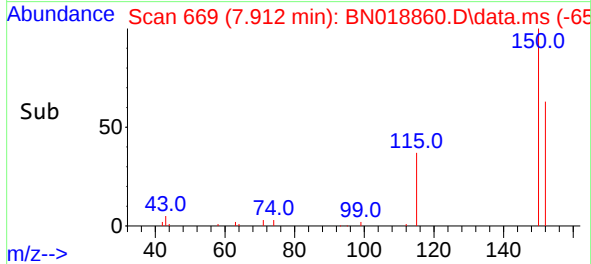
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



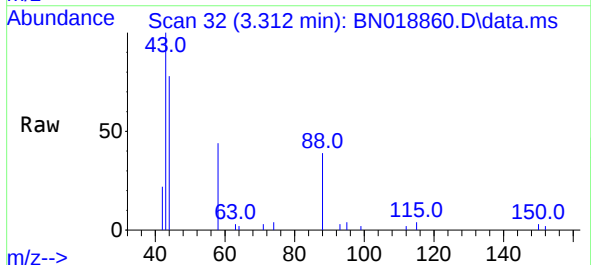
Tgt Ion: 152 Resp: 3410  
Ion Ratio Lower Upper  
152 100  
150 158.2 123.9 185.9  
115 62.8 48.2 72.4

Manual Integrations  
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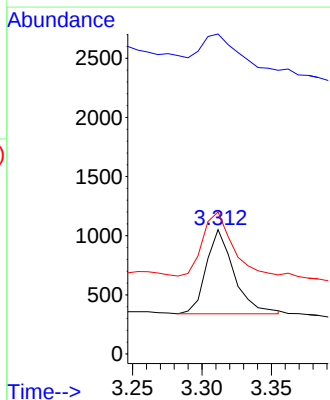
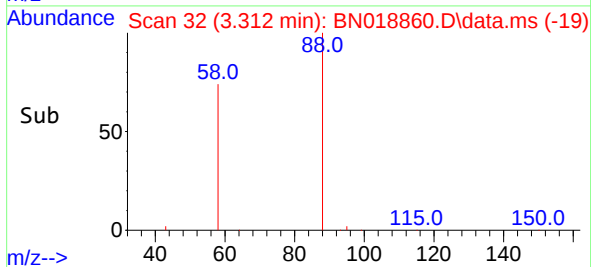
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022

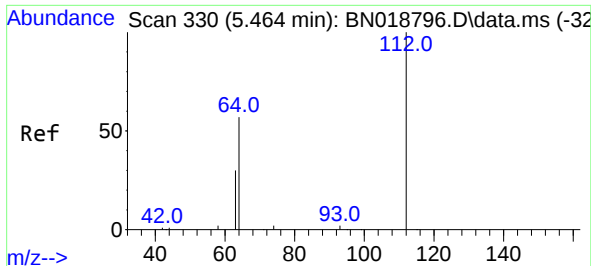


#2  
1,4-Dioxane  
Concen: 0.260 ng  
RT: 3.312 min Scan# 32  
Delta R.T. -0.007 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08



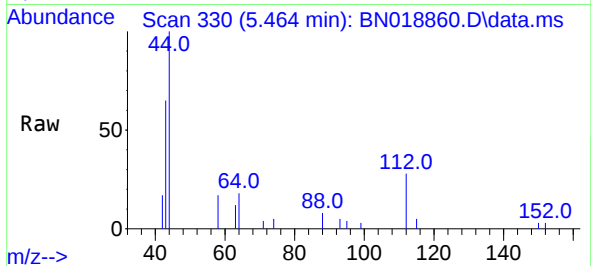
Tgt Ion: 88 Resp: 992  
Ion Ratio Lower Upper  
88 100  
43 54.5 24.6 37.0  
58 81.1 65.4 98.2





#4  
2-Fluorophenol  
Concen: 0.104 ng  
RT: 5.464 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

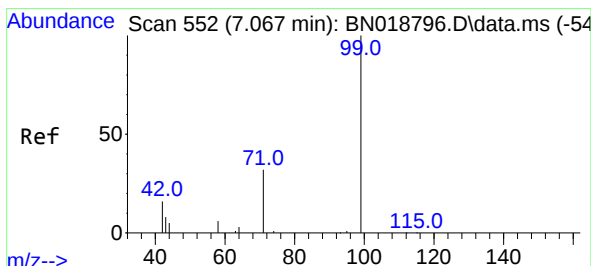
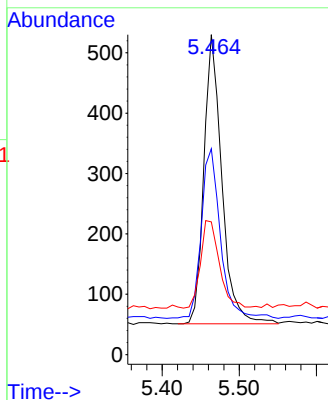
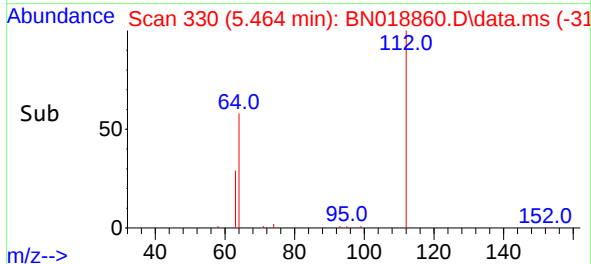
Instrument :  
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BP-TT-MW161S1-GW-20220303



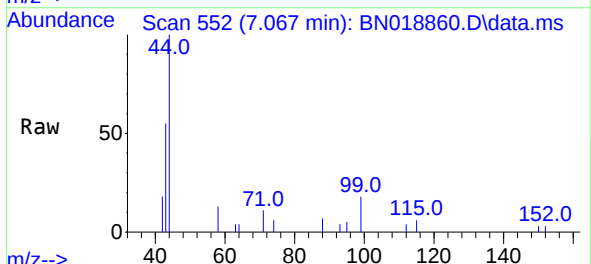
Tgt Ion: 112 Resp: 774  
Ion Ratio Lower Upper  
112 100  
64 62.5 47.8 71.8  
63 31.8 25.7 38.5

Manual Integrations  
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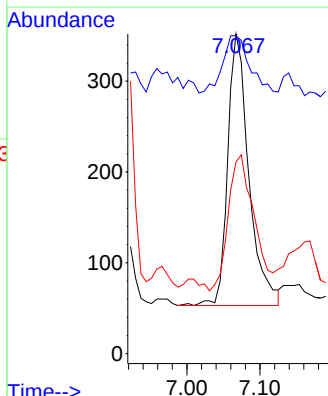
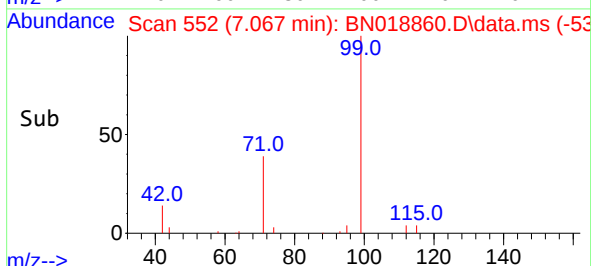
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022

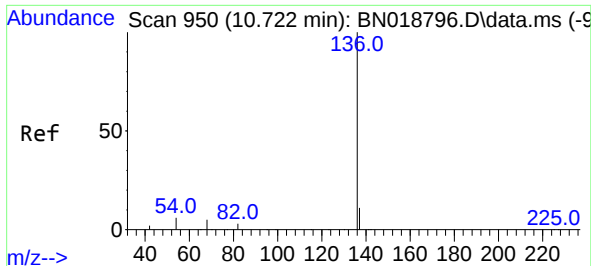


#5  
Phenol-d6  
Concen: 0.067 ng  
RT: 7.067 min Scan# 552  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08



Tgt Ion: 99 Resp: 601  
Ion Ratio Lower Upper  
99 100  
42 26.8 16.2 24.4#  
71 60.9 27.7 41.5#





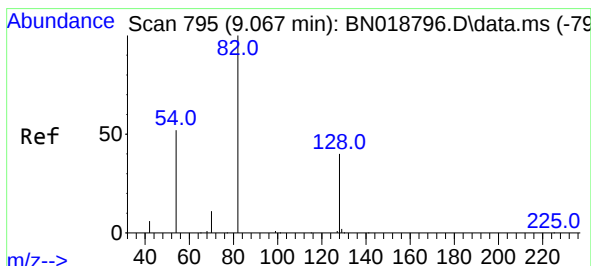
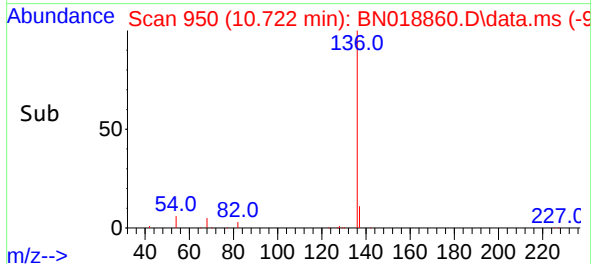
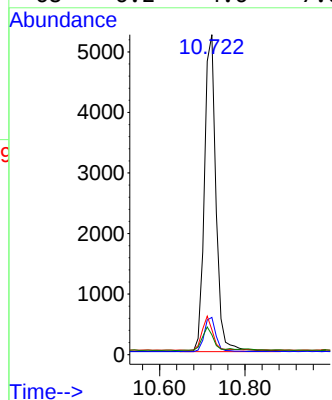
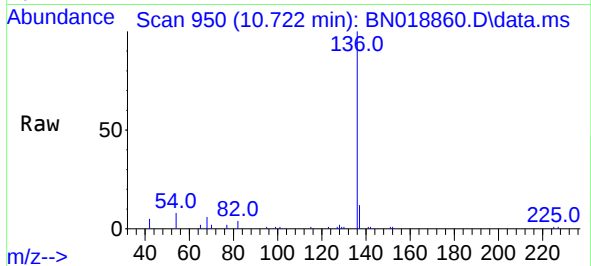
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.722 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

Instrument :  
BNA\_N  
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BP-TT-MW161S1-GW-20220303

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 983   |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.7  | 9.0   | 13.4  |
| 54       | 7.8   | 5.8   | 8.6   |
| 68       | 6.2   | 4.6   | 7.0   |

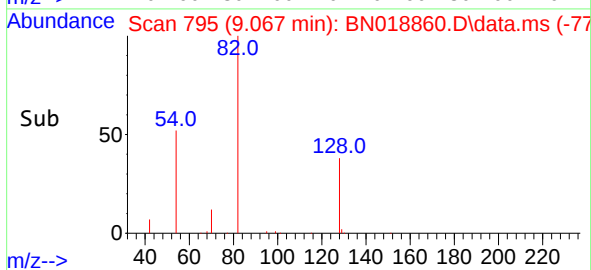
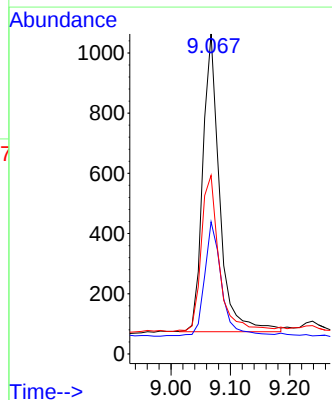
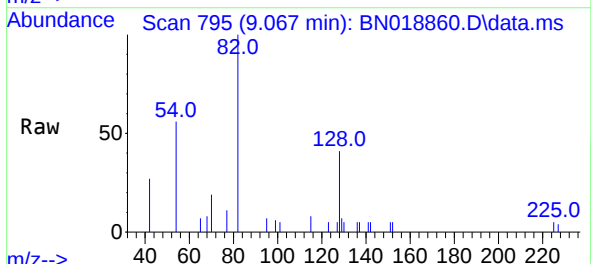
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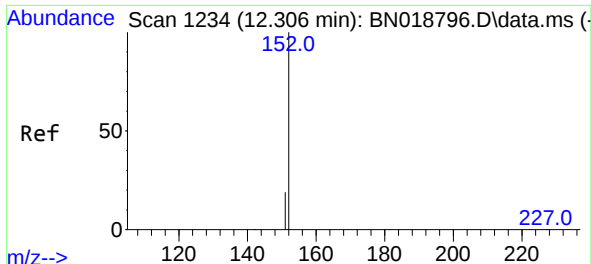
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022



#8  
Nitrobenzene-d5  
Concen: 0.272 ng m  
RT: 9.067 min Scan# 795  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

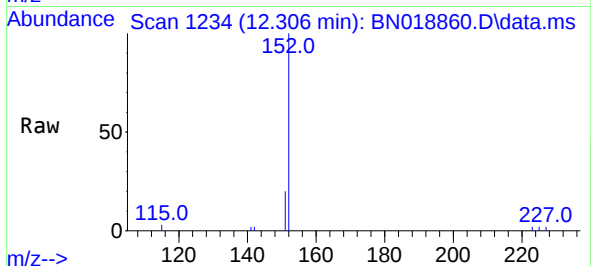
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1950  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.3  | 33.0  | 49.6  |
| 54       | 55.8  | 42.5  | 63.7  |





#11  
2-Methylnaphthalene-d10  
Concen: 0.268 ng  
RT: 12.306 min Scan# 1234  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

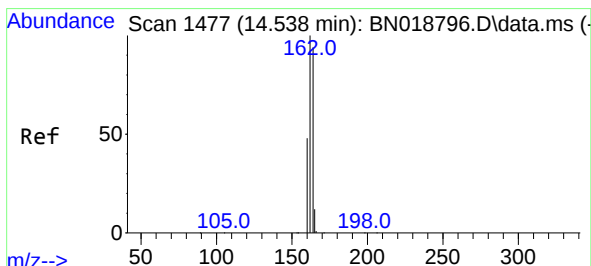
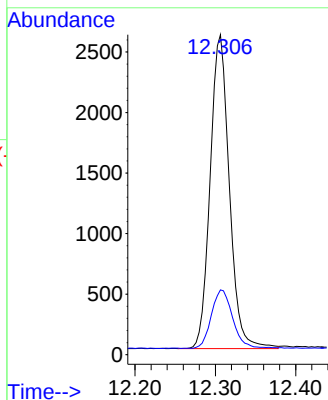
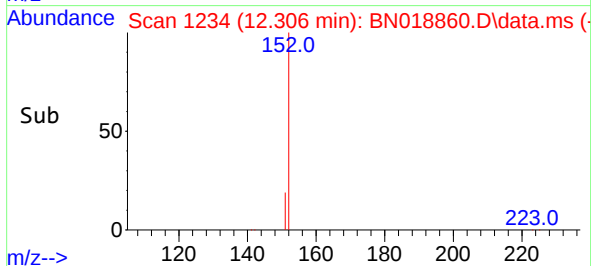
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



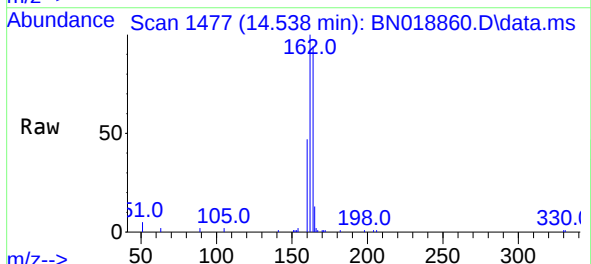
Tgt Ion:152 Resp: 429  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.5 24.7

Manual Integrations  
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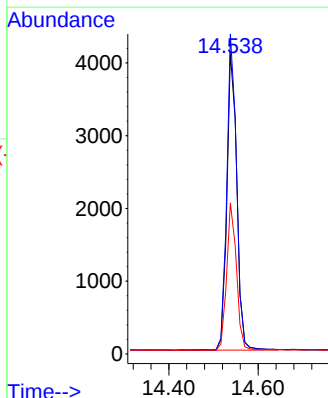
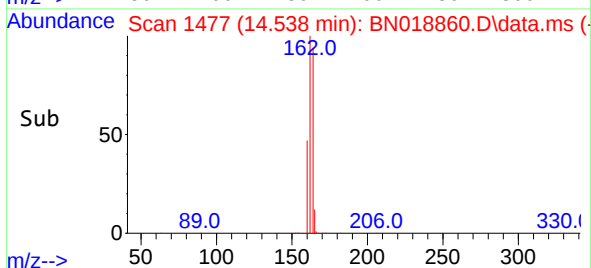
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022

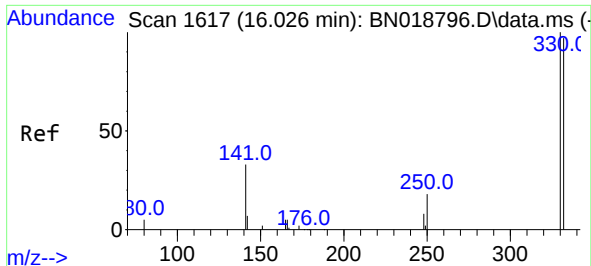


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.538 min Scan# 1477  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08



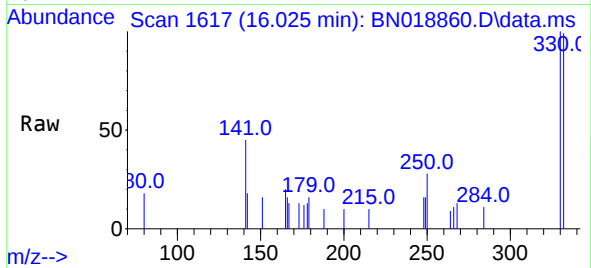
Tgt Ion:164 Resp: 6350  
Ion Ratio Lower Upper  
164 100  
162 106.6 85.2 127.8  
160 50.3 41.5 62.3





#14  
2,4,6-Tribromophenol  
Concen: 0.252 ng  
RT: 16.025 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

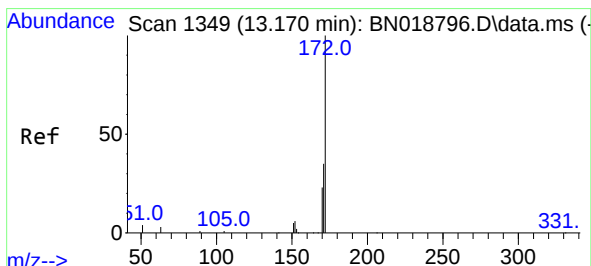
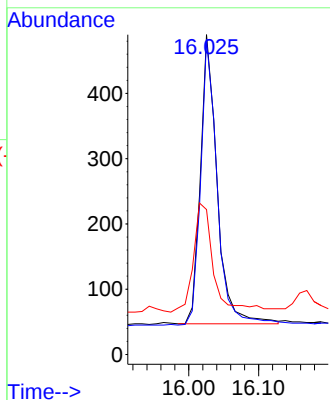
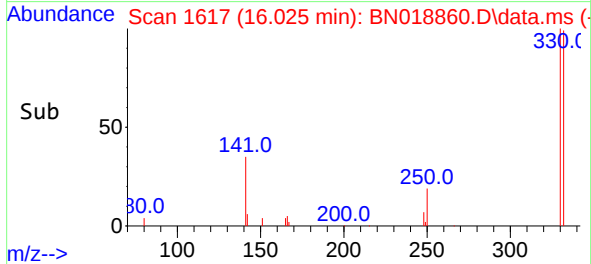
Instrument :  
BNA\_N  
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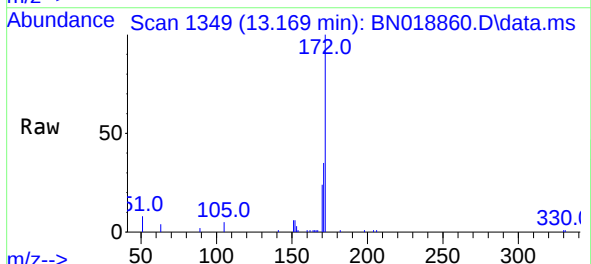
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Ion Ratio Lower Upper  
330 100  
332 98.9 76.8 115.2  
141 45.5 32.2 48.2

Manual Integrations  
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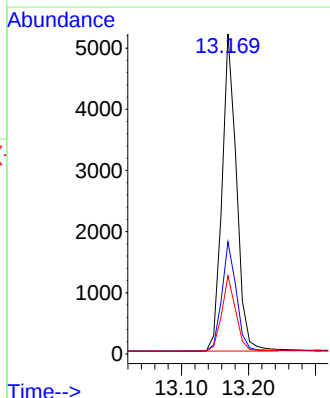
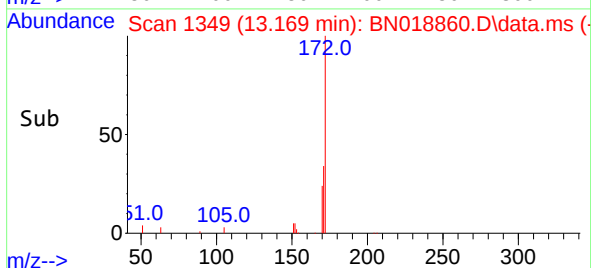
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022

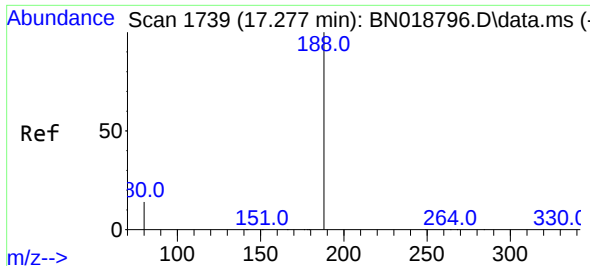


#15  
2-Fluorobiphenyl  
Concen: 0.287 ng  
RT: 13.169 min Scan# 1349  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08



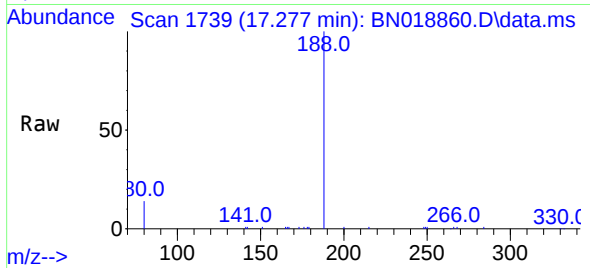
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Ion Ratio Lower Upper  
172 100  
171 35.0 28.2 42.2  
170 24.5 18.7 28.1





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.277 min Scan# 1119  
Delta R.T. -0.000 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

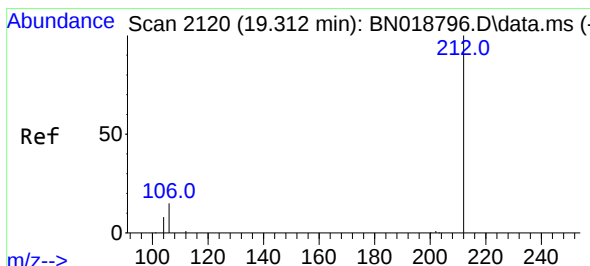
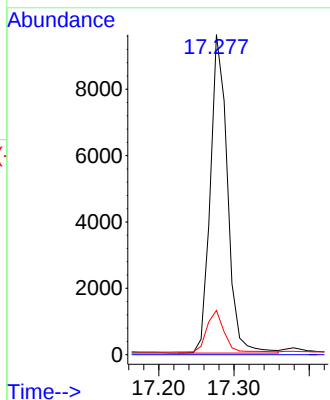
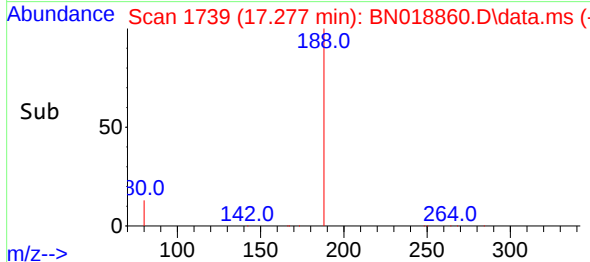
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



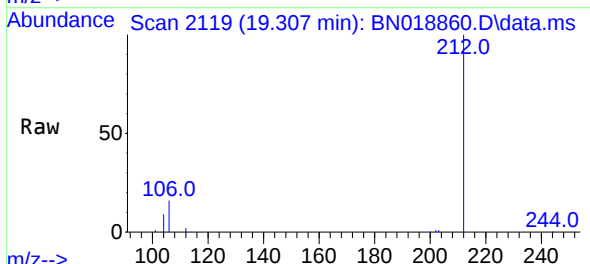
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Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.9 11.8 17.8

Manual Integrations  
APPROVED

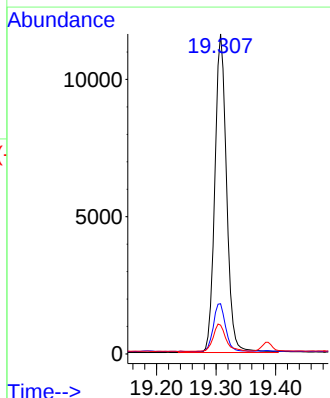
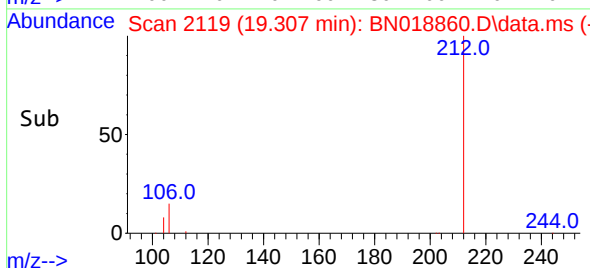
Reviewed By :Christian Giraldo 03/08/2022  
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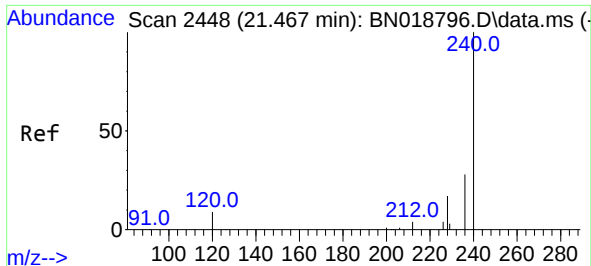


#27  
Fluoranthene-d10  
Concen: 0.356 ng  
RT: 19.307 min Scan# 2119  
Delta R.T. -0.004 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08



Tgt Ion:212 Resp: 15913  
Ion Ratio Lower Upper  
212 100  
106 15.7 12.7 19.1  
104 9.3 7.1 10.7





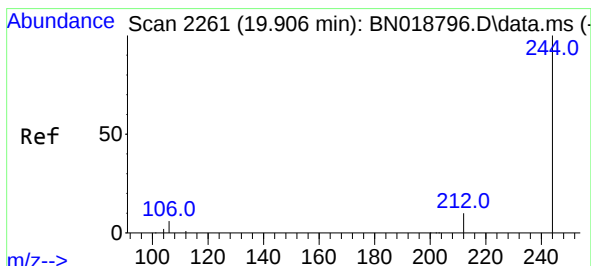
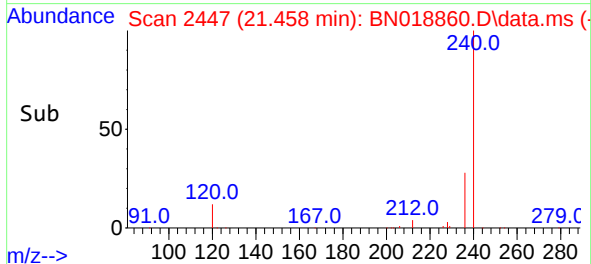
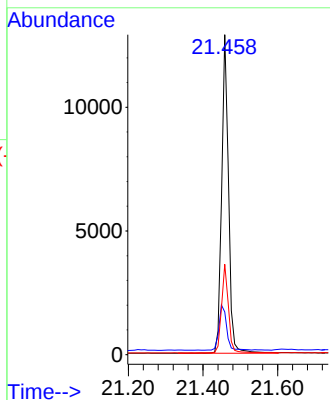
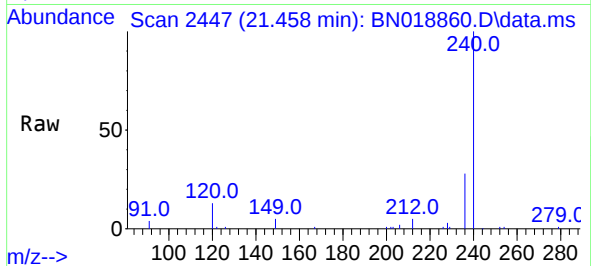
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.458 min Scan# 2448  
Delta R.T. -0.009 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303

Tgt Ion:240 Resp: 16449  
Ion Ratio Lower Upper  
240 100  
120 13.4 8.5 12.7  
236 28.2 22.4 33.6

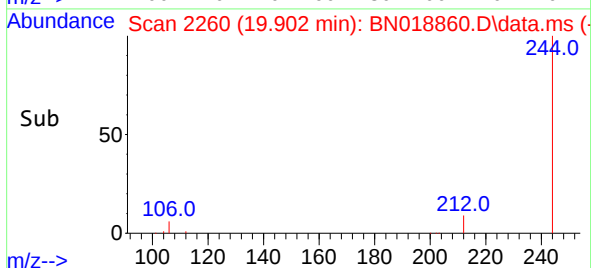
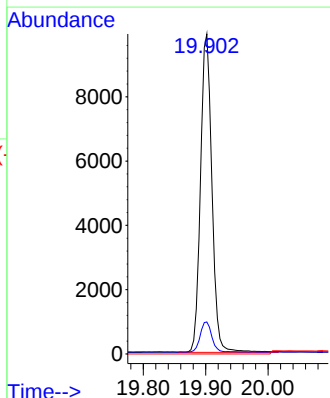
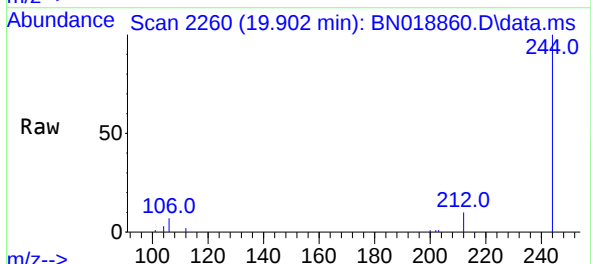
Manual Integrations  
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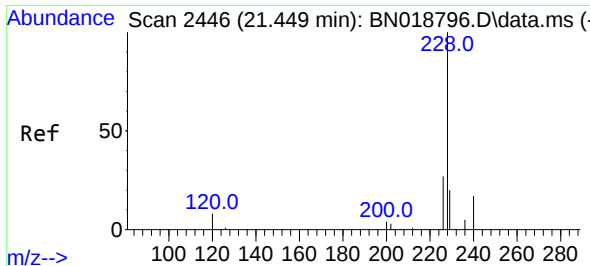
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022



#31  
Terphenyl-d14  
Concen: 0.369 ng  
RT: 19.902 min Scan# 2260  
Delta R.T. -0.004 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

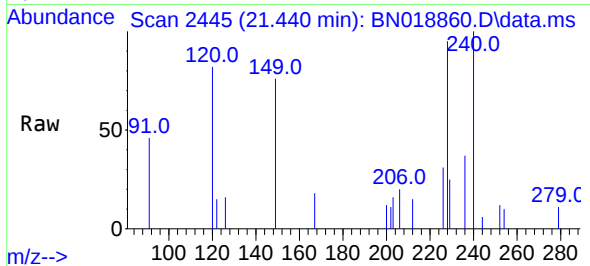
Tgt Ion:244 Resp: 12971  
Ion Ratio Lower Upper  
244 100  
212 10.0 8.2 12.4  
122 0.0 0.0 0.0





#32  
Benzo(a)anthracene  
Concen: 0.023 ng  
RT: 21.440 min Scan# 2445  
Delta R.T. -0.009 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

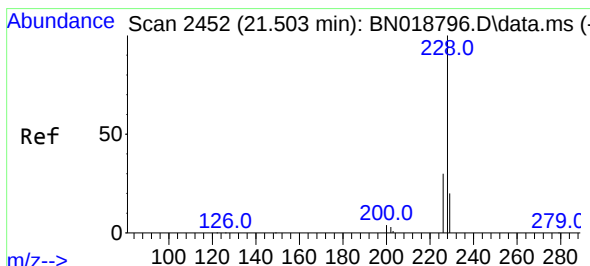
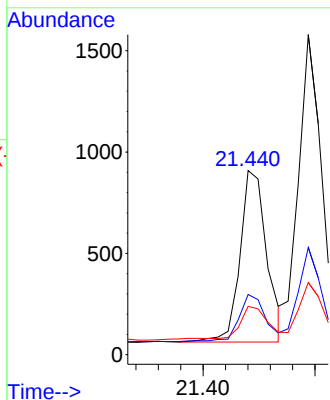
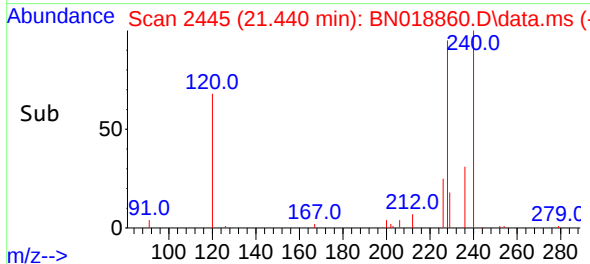
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



Tgt Ion:228 Resp: 1404  
Ion Ratio Lower Upper  
228 100  
226 32.7 21.9 32.9  
229 26.3 16.0 24.0

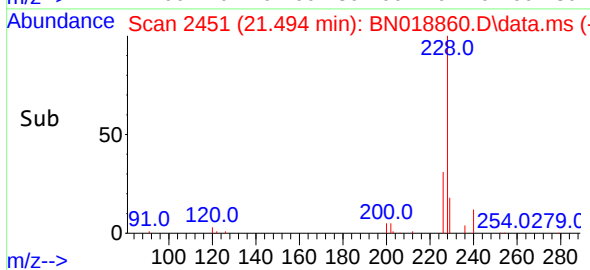
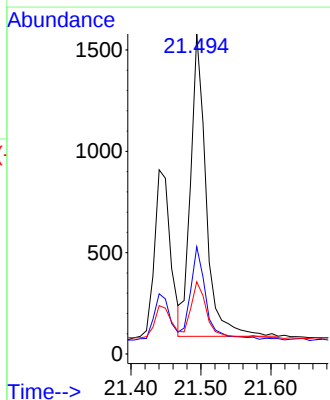
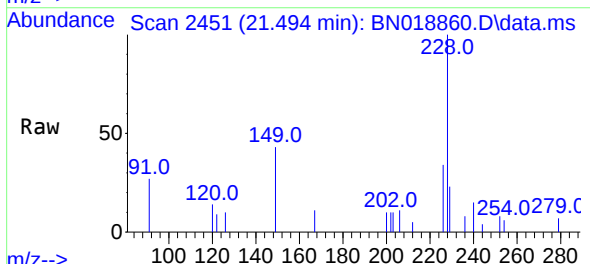
Manual Integrations  
APPROVED

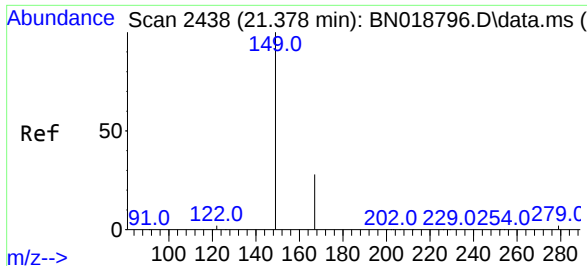
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022



#33  
Chrysene  
Concen: 0.034 ng  
RT: 21.494 min Scan# 2451  
Delta R.T. -0.009 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

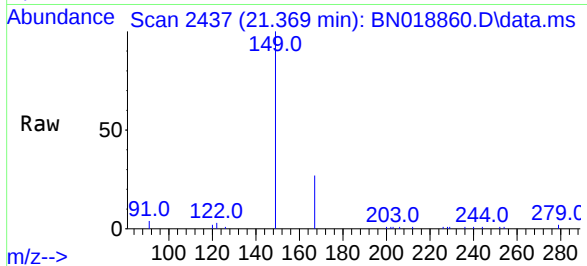
Tgt Ion:228 Resp: 2294  
Ion Ratio Lower Upper  
228 100  
226 33.5 24.0 36.0  
229 22.5 15.9 23.9





#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.351 ng  
RT: 21.369 min Scan# 2437  
Delta R.T. -0.009 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

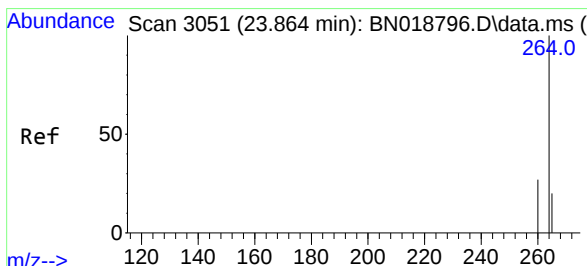
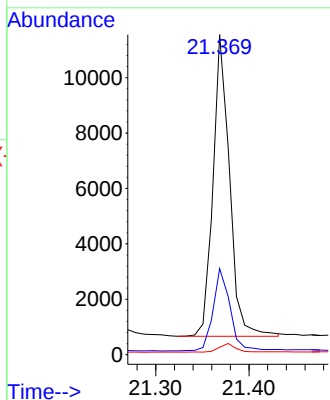
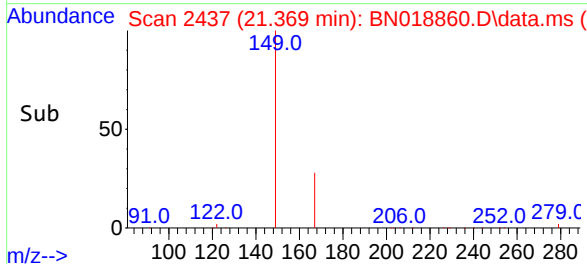
Instrument : BNA\_N  
ClientSampleId : BP-TT-MW161S1-GW-20220303



Tgt Ion:149 Resp: 13390  
Ion Ratio Lower Upper  
149 100  
167 28.2 21.8 32.8  
279 3.2 2.0 3.0

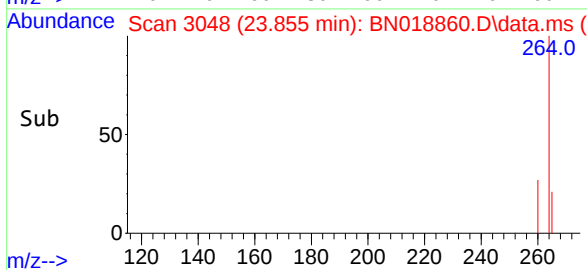
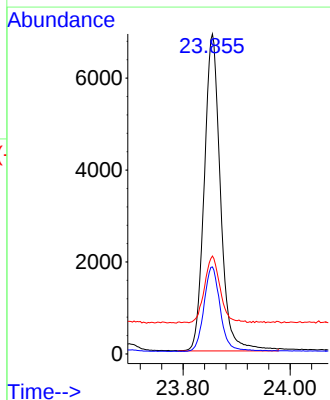
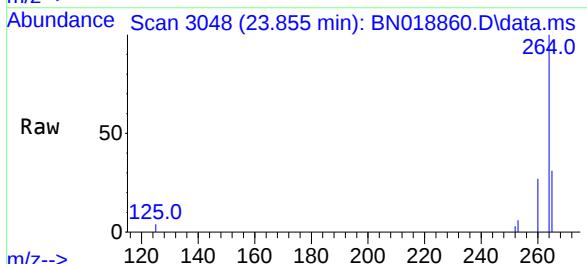
Manual Integrations  
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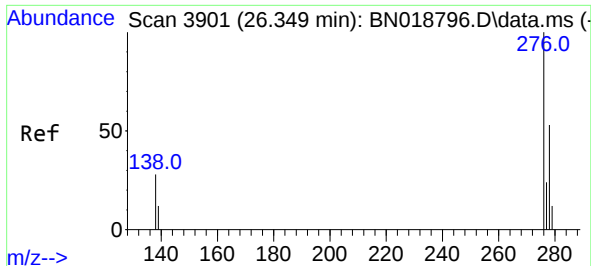
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.855 min Scan# 3048  
Delta R.T. -0.009 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

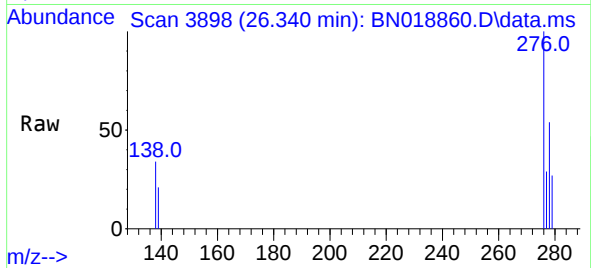
Tgt Ion:264 Resp: 14485  
Ion Ratio Lower Upper  
264 100  
260 27.2 22.4 33.6  
265 30.6 25.3 37.9





#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.048 ng  
RT: 26.340 min Scan# 3118  
Delta R.T. -0.009 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

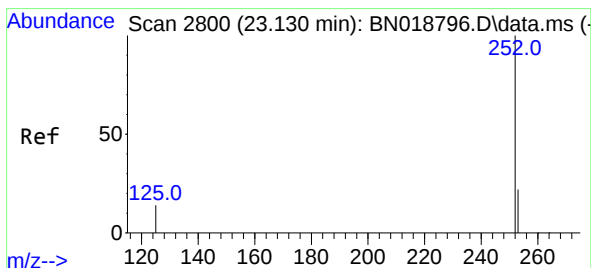
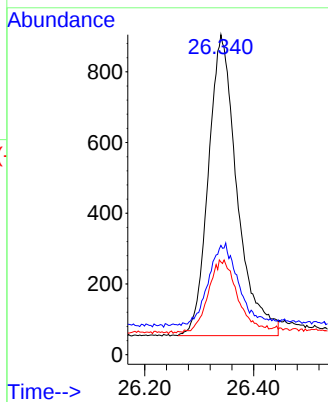
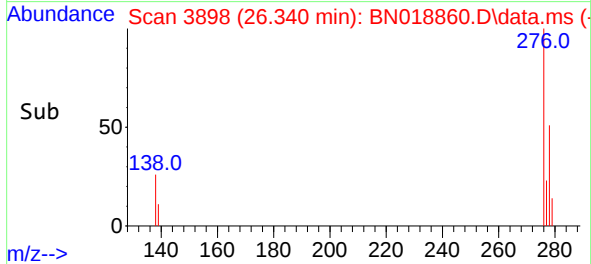
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



Tgt Ion:276 Resp: 3118  
Ion Ratio Lower Upper  
276 100  
138 27.3 24.5 36.7  
277 23.0 19.8 29.8

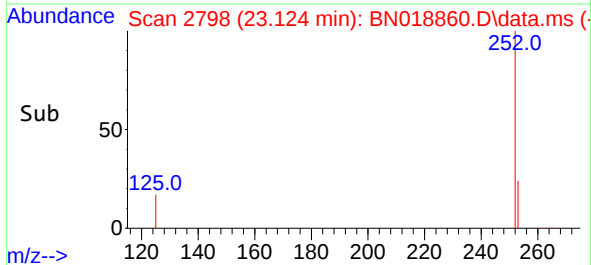
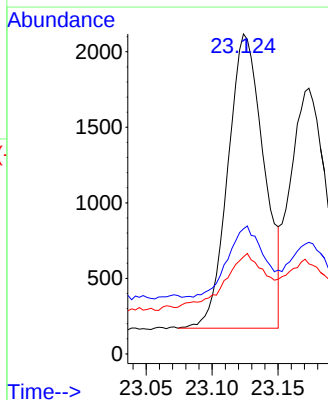
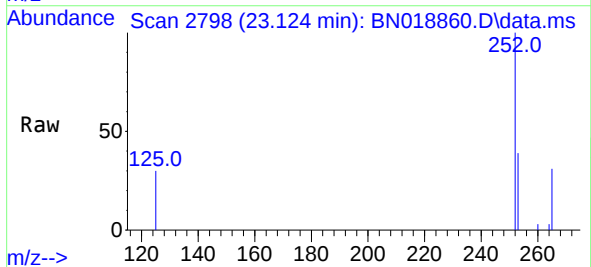
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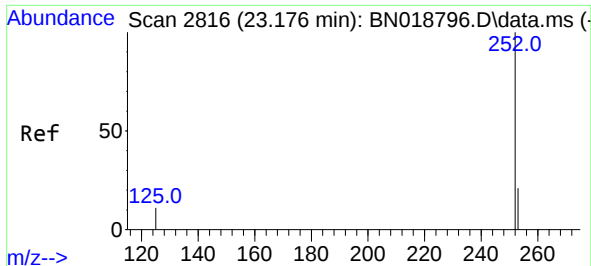
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022



#37  
Benzo(b)fluoranthene  
Concen: 0.055 ng  
RT: 23.124 min Scan# 2798  
Delta R.T. -0.006 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

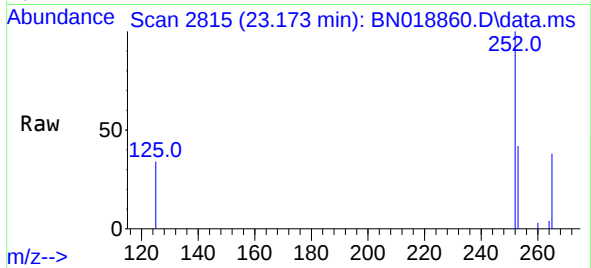
Tgt Ion:252 Resp: 3702  
Ion Ratio Lower Upper  
252 100  
253 39.1 18.9 28.3#  
125 30.4 12.1 18.1#





#38  
Benzo(k)fluoranthene  
Concen: 0.041 ng  
RT: 23.173 min Scan# 2816  
Delta R.T. -0.003 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

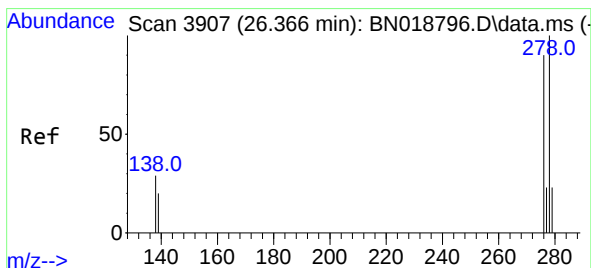
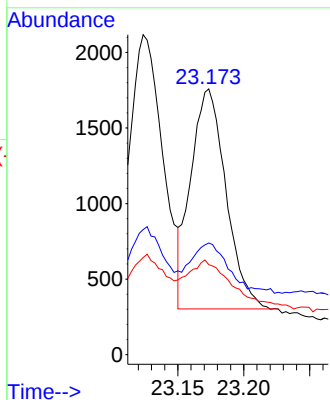
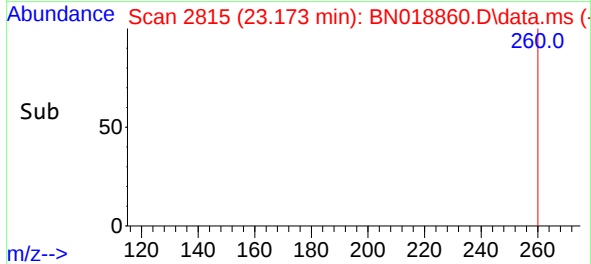
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 42.0  | 18.9  | 28.3  |
| 125     | 33.9  | 10.3  | 15.5  |

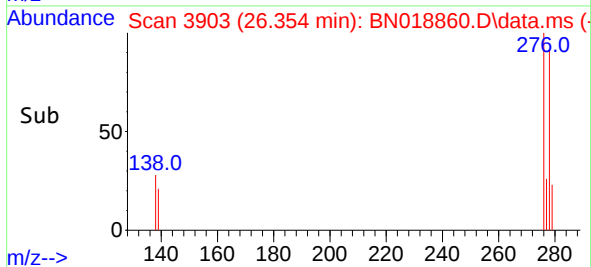
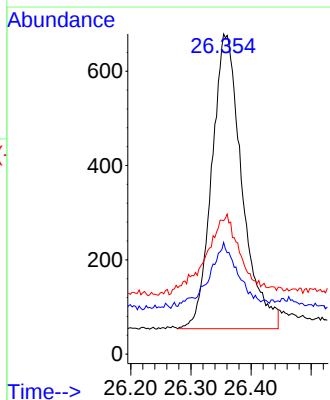
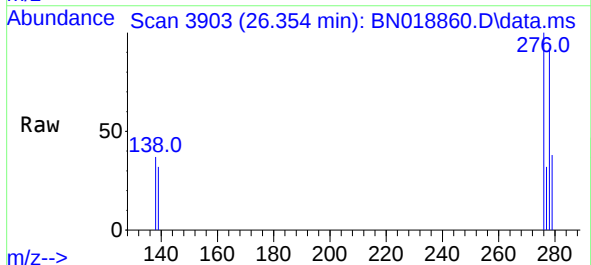
Manual Integrations  
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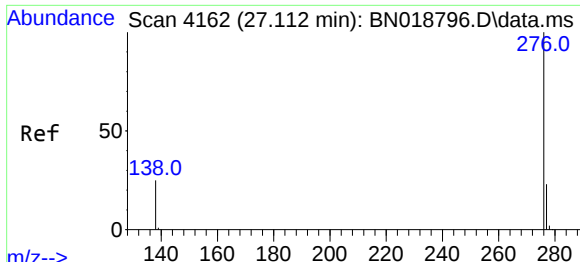
Reviewed By :Christian Giraldo 03/08/2022  
Supervised By :Jagrut Upadhyay 03/08/2022



#40  
Dibenzo(a,h)anthracene  
Concen: 0.044 ng  
RT: 26.354 min Scan# 3903  
Delta R.T. -0.012 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

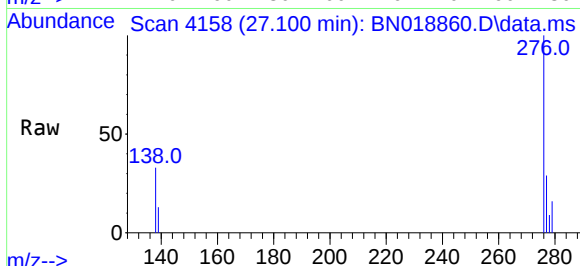
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 34.9  | 17.2  | 25.8  |
| 279     | 41.7  | 19.9  | 29.9  |





#41  
Benzo(g,h,i)perylene  
Concen: 0.055 ng  
RT: 27.100 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: BN018860.D  
Acq: 07 Mar 2022 16:08

Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-MW161S1-GW-20220303



Tgt Ion: 276 Resp: 294  
Ion Ratio Lower Upper  
276 100  
277 29.0 19.4 29.0  
138 32.9 21.0 31.6

Manual Integrations  
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Reviewed By : Christian Giraldo 03/08/2022  
Supervised By : Jagrut Upadhyay 03/08/2022

