

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081121\  
 Data File : BG049803.D  
 Acq On : 12 Aug 2021 1:12  
 Operator : CG/JU  
 Sample : M3287-04  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGB05

Manual Integrations  
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 8/12/2021 1:35:01 PM

Quant Time: Aug 12 02:40:15 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Aug 10 16:55:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.037  | 152  | 30445    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.856 | 136  | 137711   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.692 | 164  | 92493    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.442 | 188  | 176095   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.724 | 240  | 146969   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.014 | 264  | 157868   | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.414  | 96   | 1896m    | 2.912  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.860  | 84   | 6724m    | 3.441  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 7.203  | 99   | 32016    | 11.587 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.355  | 67   | 18069    | 11.385 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.567  | 132  | 24907    | 12.595 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.747  | 113  | 23870    | 11.330 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.212  | 128  | 14302    | 13.184 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.928  | 143  | 17766    | 14.341 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.480 | 165  | 30746    | 13.162 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.992 | 131  | 21543    | 6.737  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.087 | 166  | 104473   | 14.393 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.381 | 160  | 127240   | 14.734 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.904 | 143  | 10921m   | 9.306  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.685 | 176  | 91745    | 14.705 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.809 | 200  | 6736     | 5.683  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.541 | 188  | 127860   | 15.382 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.832 | 212  | 133630   | 16.502 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.785 | 264  | 130095   | 15.040 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.871  | 105  | 5551     | 1.588  | ng/ul# | 85       |
| 30) Naphthalene               | 10.909 | 128  | 57589    | 8.008  | ng/ul  | 97       |
| 36) 2-Methylnaphthalene       | 12.519 | 142  | 31368    | 5.696  | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.736 | 142  | 14579    | 2.721  | ng/ul  | 93       |
| 43) 1,1'-Biphenyl             | 13.517 | 154  | 15072    | 2.187  | ng/ul  | 94       |
| 50) Acenaphthylene            | 14.416 | 152  | 46048    | 5.652  | ng/ul  | 98       |
| 52) Acenaphthene              | 14.757 | 153  | 37160    | 6.385  | ng/ul  | 93       |
| 56) Dibenzofuran              | 15.086 | 168  | 89036    | 11.028 | ng/ul  | 99       |
| 61) Fluorene                  | 15.738 | 166  | 35039    | 5.337  | ng/ul# | 80       |
| 72) Phenanthrene              | 17.483 | 178  | 193232   | 20.732 | ng/ul  | 98       |
| 74) Anthracene                | 17.577 | 178  | 80631    | 8.648  | ng/ul  | 98       |
| 77) Carbazole                 | 17.847 | 167  | 24375    | 2.926  | ng/ul  | 97       |
| 80) Fluoranthene              | 19.498 | 202  | 436156   | 43.644 | ng/ul  | 99       |
| 82) Pyrene                    | 19.862 | 202  | 361263   | 36.244 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.706 | 228  | 206776   | 21.429 | ng/ul  | 97       |
| 87) Chrysene                  | 21.777 | 228  | 256788   | 28.494 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.974 | 252  | 438333   | 42.481 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 24.033 | 252  | 149099m  | 14.553 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.867 | 252  | 227890   | 25.088 | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.779 | 276  | 247468   | 20.760 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.814 | 278  | 59036    | 5.937  | ng/ul# | 87       |
| 96) Benzo(g,h,i)perylene      | 29.966 | 276  | 207295   | 20.912 | ng/ul# | 90       |
| -----                         |        |      |          |        |        |          |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081121\  
Data File : BG049803.D  
Acq On : 12 Aug 2021 1:12  
Operator : CG/JU  
Sample : M3287-04  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGB05

Manual Integrations  
APPROVED

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Quant Time: Aug 12 02:40:15 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG080421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Aug 10 16:55:58 2021  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

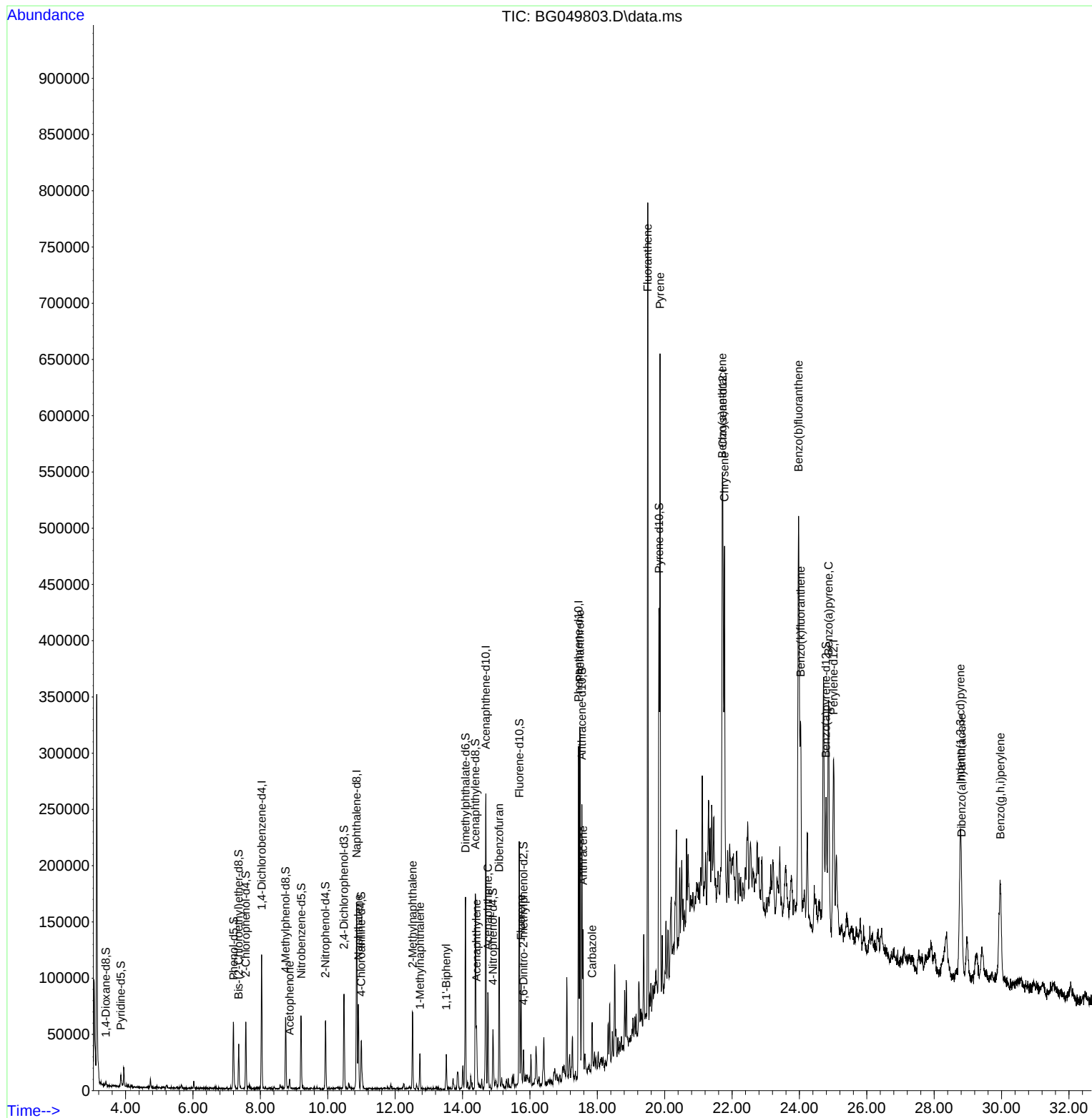
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081121\  
Data File : BG049803.D  
Acq On : 12 Aug 2021 1:12  
Operator : CG/JU  
Sample : M3287-04  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

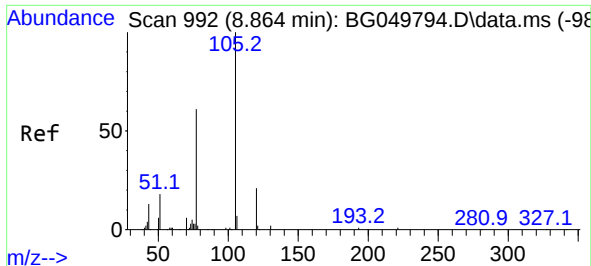
Instrument :  
BNA\_G  
ClientSampled :  
BGB05

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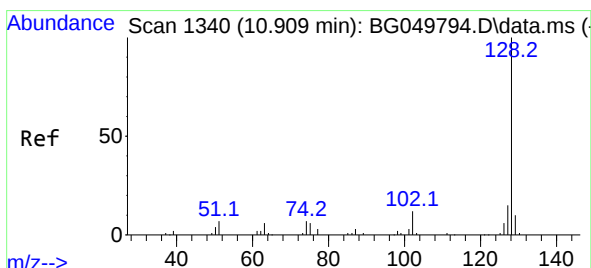
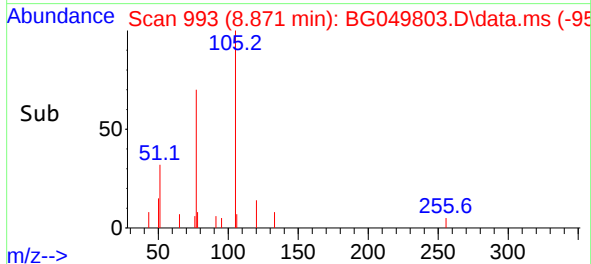
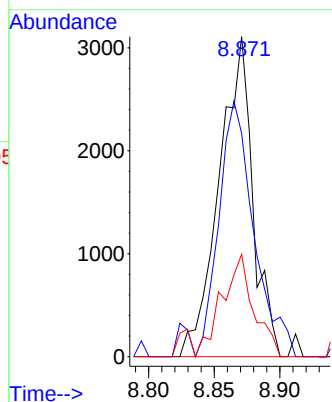
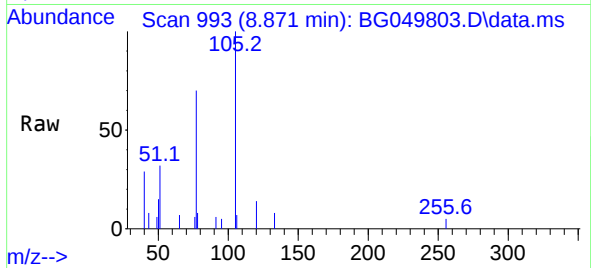
#16  
Acetophenone  
Concen: 1.588 ng/ul  
RT: 8.871 min Scan# 993  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Instrument :  
BNA\_G  
ClientSampled :  
BGB05

Tgt Ion:105 Resp: 5551  
Ion Ratio Lower Upper  
105 100  
77 69.8 70.4 105.6#  
51 32.0 25.1 37.7

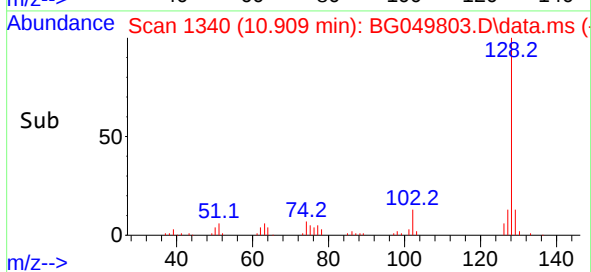
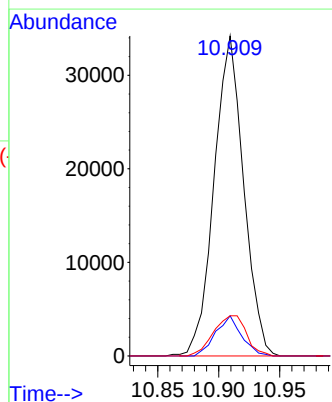
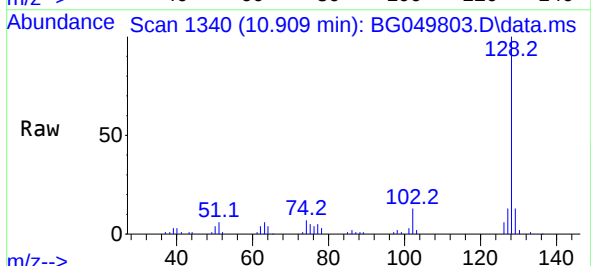
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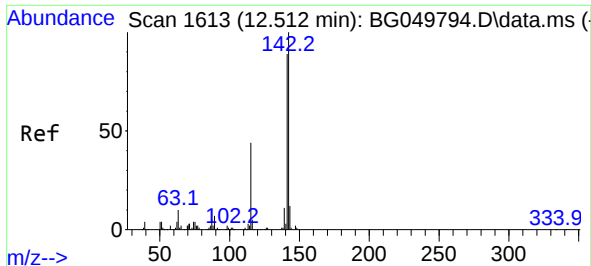
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#30  
Naphthalene  
Concen: 8.008 ng/ul  
RT: 10.909 min Scan# 1340  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:128 Resp: 57589  
Ion Ratio Lower Upper  
128 100  
129 12.5 8.7 13.1  
127 12.5 10.6 16.0





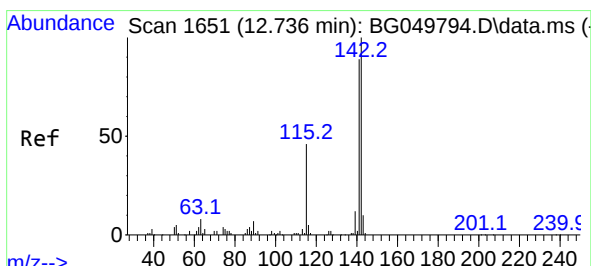
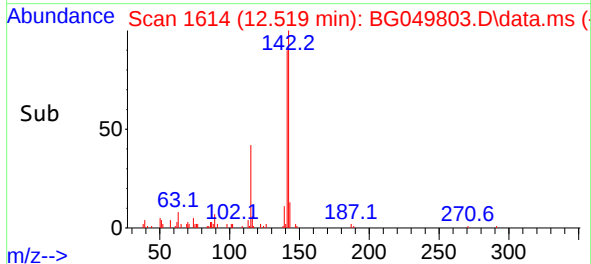
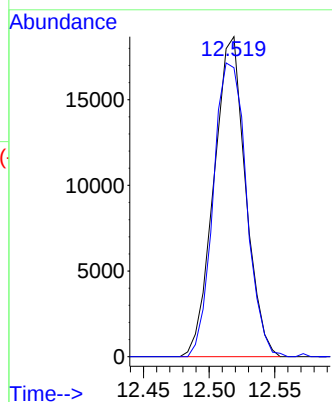
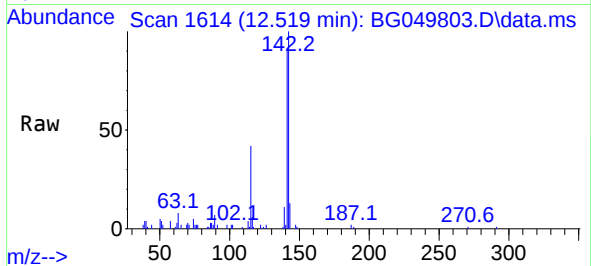
#36  
2-Methylnaphthalene  
Concen: 5.696 ng/ul  
RT: 12.519 min Scan# 1614  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

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BNA\_G  
ClientSampled :  
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Tgt Ion:142 Resp: 31368  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.8 107.8

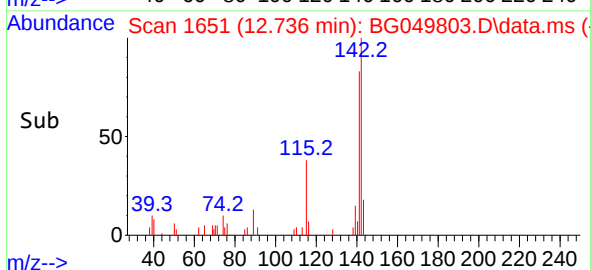
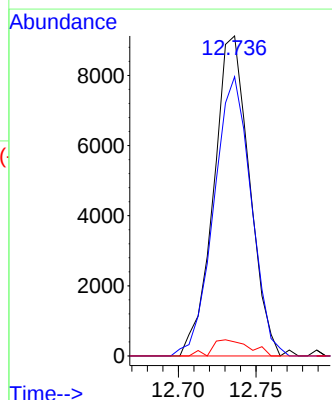
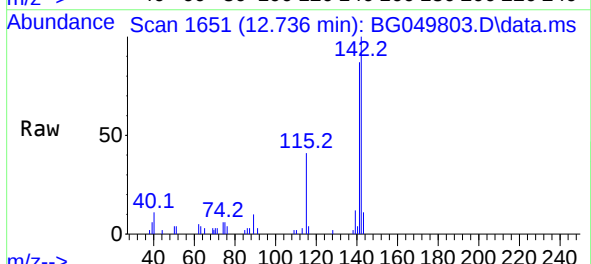
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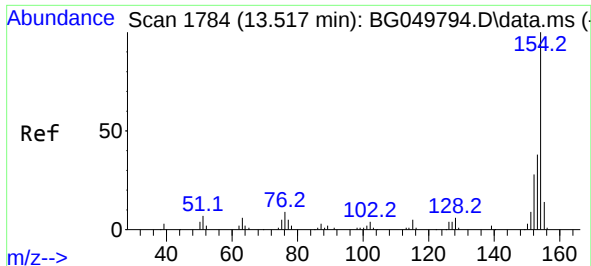
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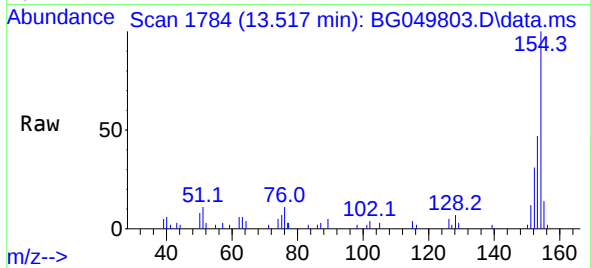
#37  
1-Methylnaphthalene  
Concen: 2.721 ng/ul  
RT: 12.736 min Scan# 1651  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:142 Resp: 14579  
Ion Ratio Lower Upper  
142 100  
141 87.2 75.4 113.0  
116 4.4 4.2 6.2





#43  
1,1'-Biphenyl  
Concen: 2.187 ng/ul  
RT: 13.517 min Scan# 1784  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

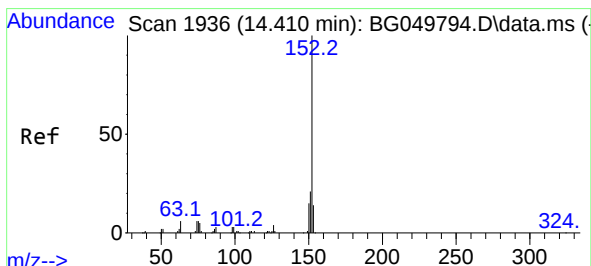
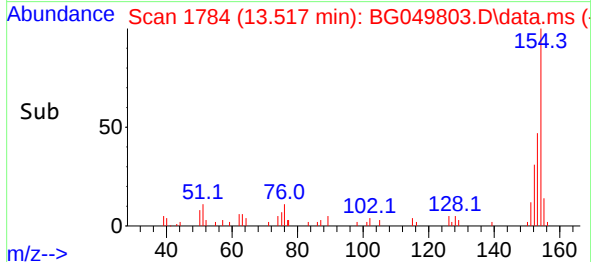
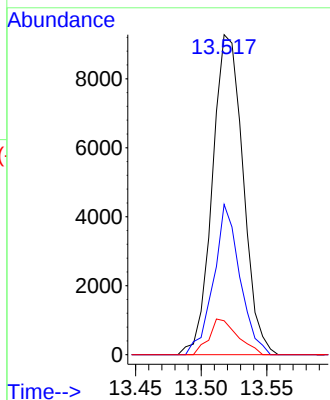


Tgt Ion:154 Resp: 15072  
Ion Ratio Lower Upper  
154 100  
153 47.0 34.1 51.1  
76 10.6 8.6 12.8

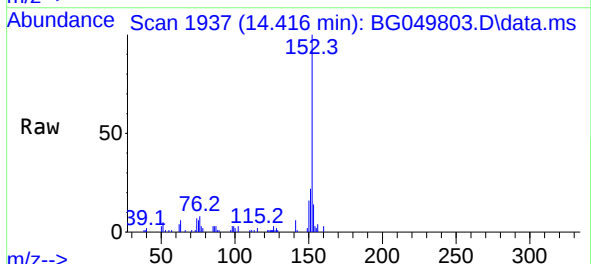
Instrument :  
BNA\_G  
ClientSampled :  
BGB05

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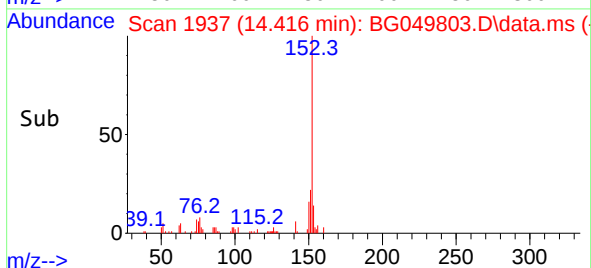
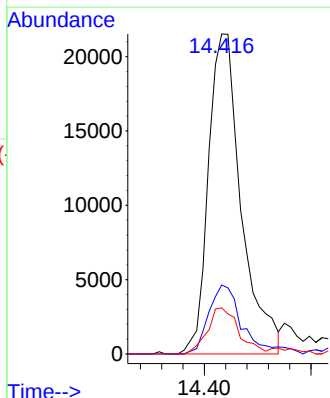
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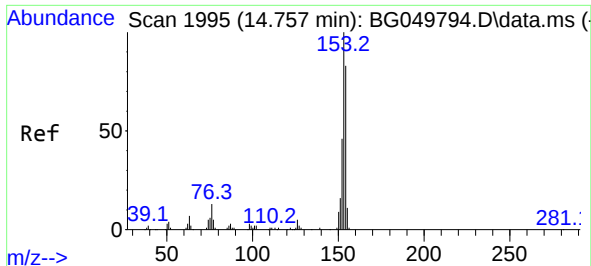


#50  
Acenaphthylene  
Concen: 5.652 ng/ul  
RT: 14.416 min Scan# 1937  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12



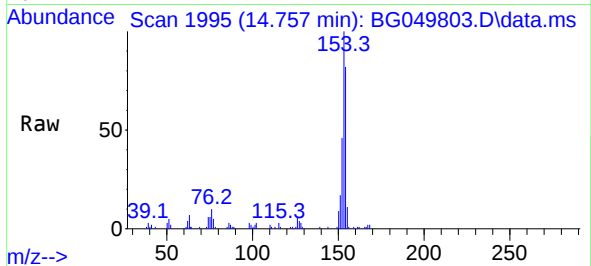
Tgt Ion:152 Resp: 46048  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.3 24.5  
153 14.4 11.4 17.0





#52  
Acenaphthene  
Concen: 6.385 ng/u1  
RT: 14.757 min Scan# 1995  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

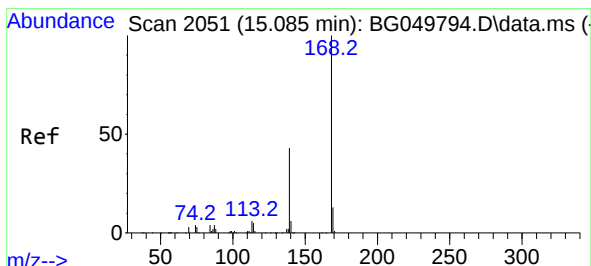
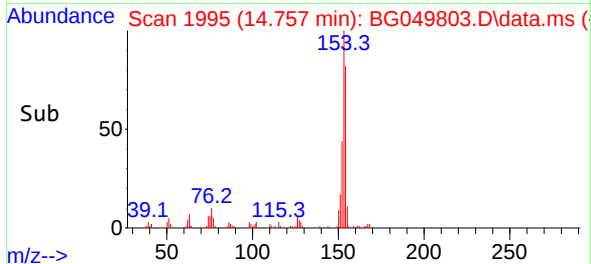
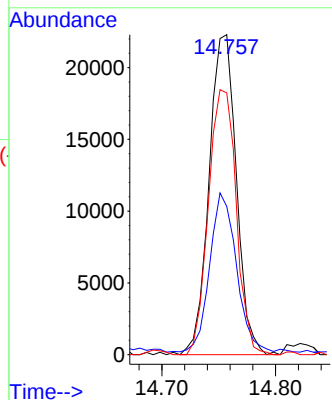
Instrument :  
BNA\_G  
ClientSampleId :  
BGB05



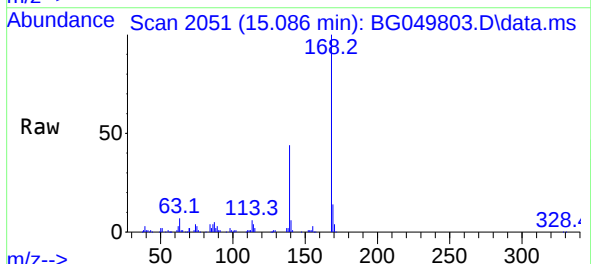
Tgt Ion:153 Resp: 37160  
Ion Ratio Lower Upper  
153 100  
152 46.3 41.0 61.6  
154 81.8 71.1 106.7

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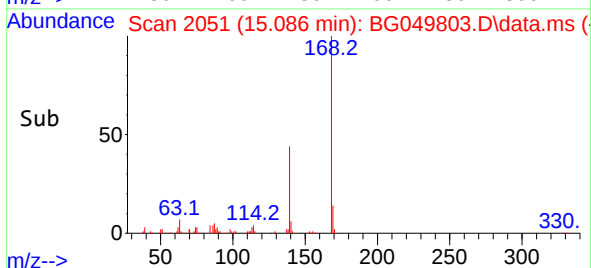
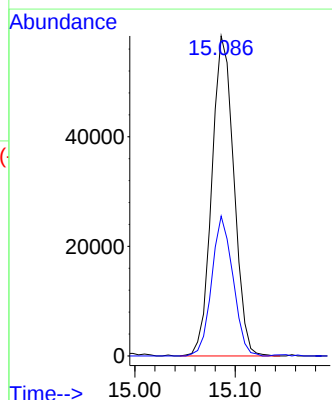
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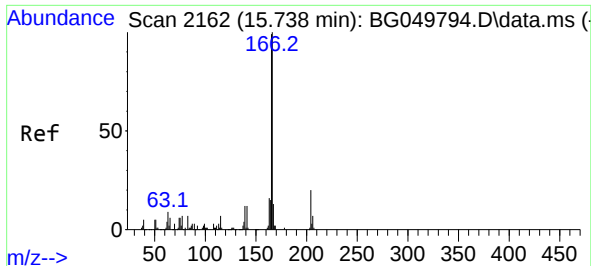


#56  
Dibenzofuran  
Concen: 11.028 ng/u1  
RT: 15.086 min Scan# 2051  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12



Tgt Ion:168 Resp: 89036  
Ion Ratio Lower Upper  
168 100  
139 43.7 34.6 52.0





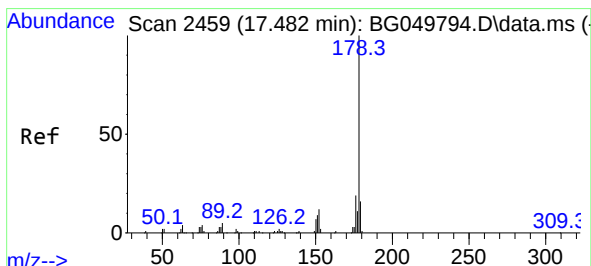
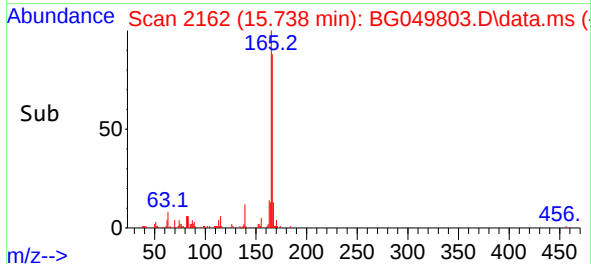
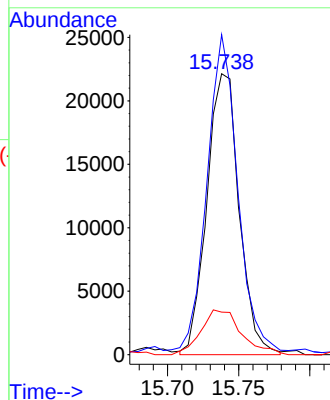
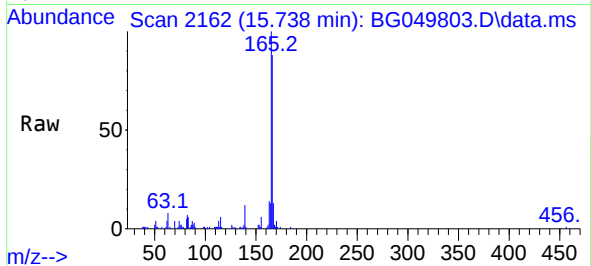
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Fluorene  
Concen: 5.337 ng/u1  
RT: 15.738 min Scan# 2162  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:166 Resp: 35039  
Ion Ratio Lower Upper  
166 100  
165 113.9 74.5 111.7#  
167 15.2 10.5 15.7

Instrument :  
BNA\_G  
ClientSampled :  
BGB05

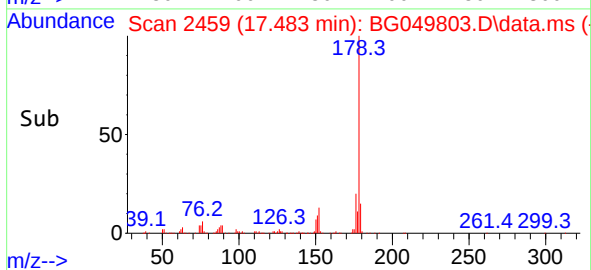
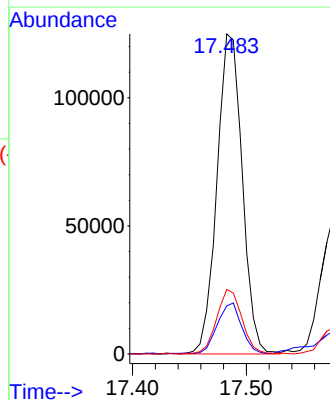
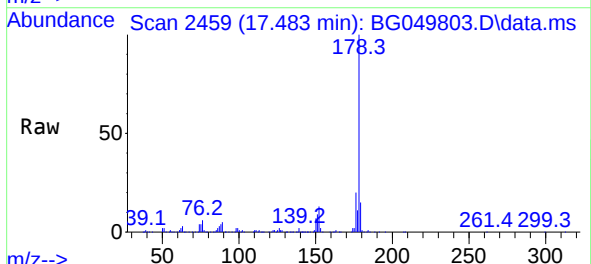
Manual Integrations  
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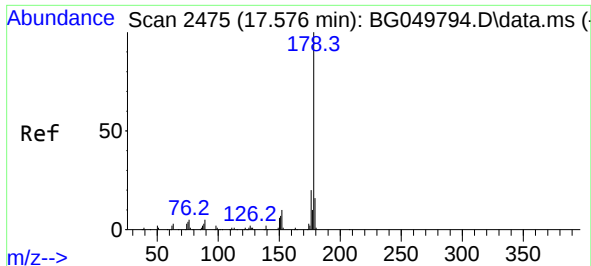
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#72  
Phenanthrene  
Concen: 20.732 ng/u1  
RT: 17.483 min Scan# 2459  
Delta R.T. 0.001 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

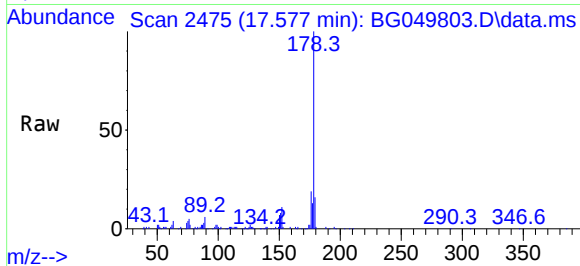
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Ion Ratio Lower Upper  
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179 15.0 12.4 18.6  
176 20.1 15.4 23.2





#74  
 Anthracene  
 Concen: 8.648 ng/u1  
 RT: 17.577 min Scan# 2475  
 Delta R.T. 0.001 min  
 Lab File: BG049803.D  
 Acq: 12 Aug 2021 1:12

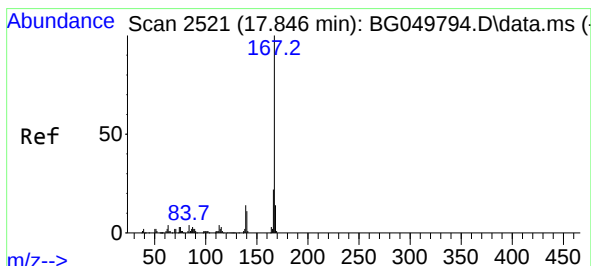
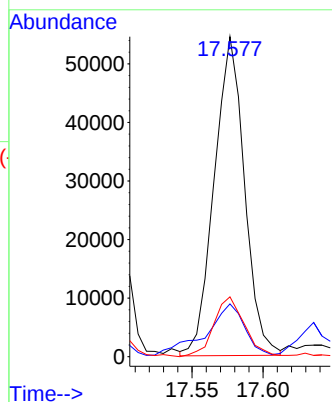
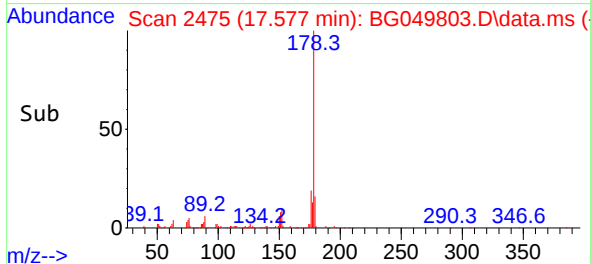
Instrument :  
 BNA\_G  
 ClientSampled :  
 BGB05



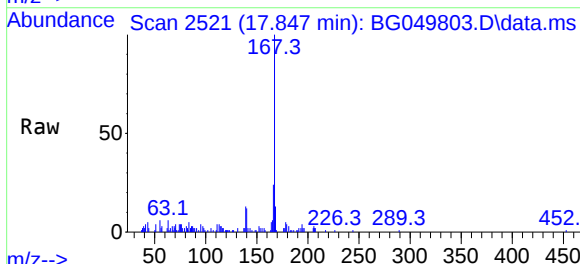
Tgt Ion:178 Resp: 80631  
 Ion Ratio Lower Upper  
 178 100  
 179 16.5 12.4 18.6  
 176 18.7 14.6 21.8

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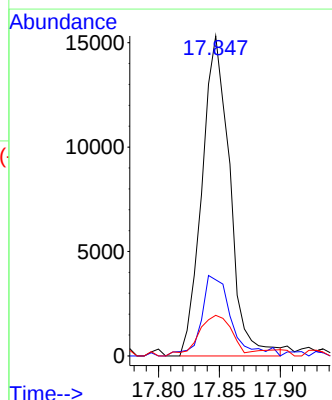
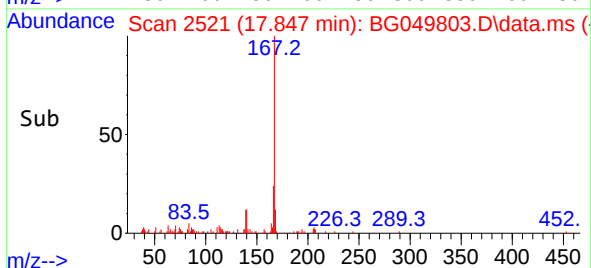
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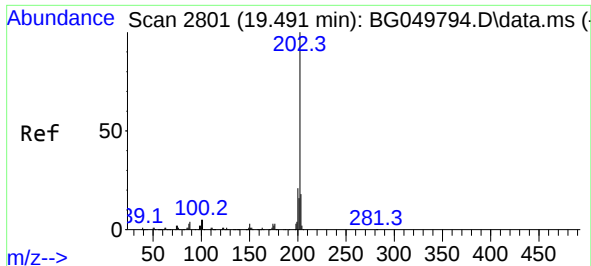


#77  
 Carbazole  
 Concen: 2.926 ng/u1  
 RT: 17.847 min Scan# 2521  
 Delta R.T. 0.001 min  
 Lab File: BG049803.D  
 Acq: 12 Aug 2021 1:12

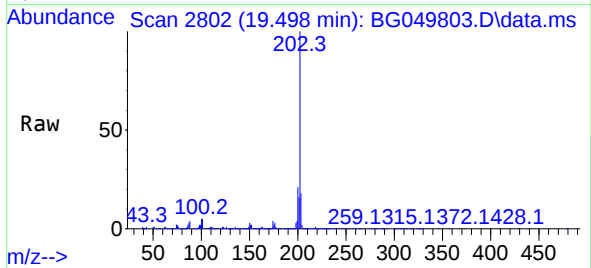


Tgt Ion:167 Resp: 24375  
 Ion Ratio Lower Upper  
 167 100  
 166 23.8 17.3 25.9  
 139 12.7 10.4 15.6

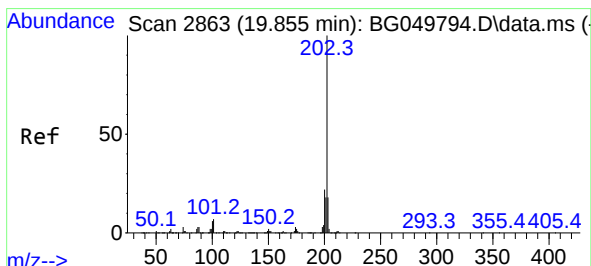
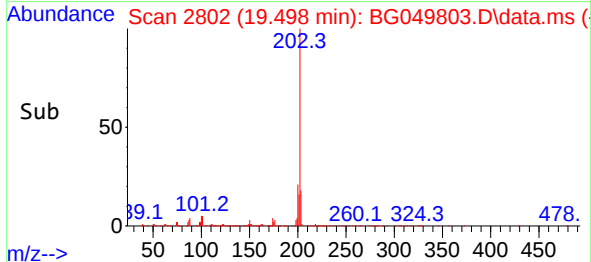
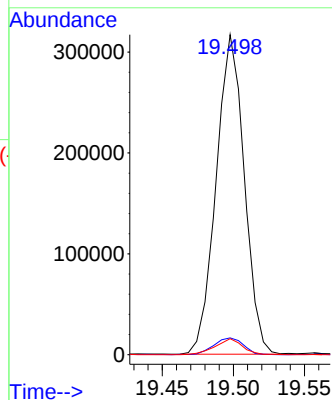




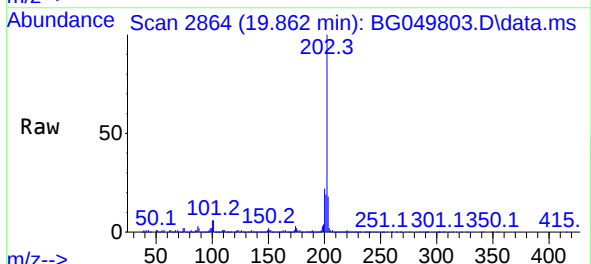
#80  
Fluoranthene  
Concen: 43.644 ng/u1  
RT: 19.498 min Scan# 2802  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12



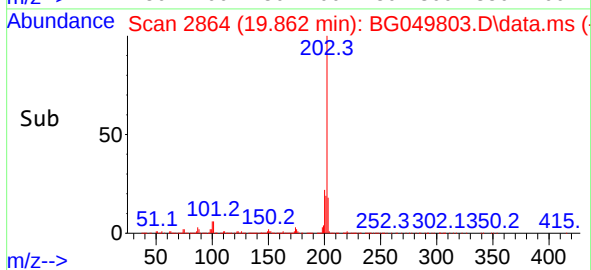
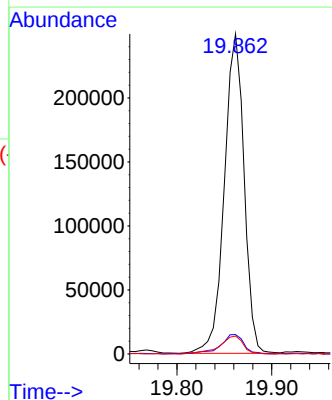
Tgt Ion:202 Resp: 436156  
Ion Ratio Lower Upper  
202 100  
101 5.2 4.8 7.2  
100 5.0 3.9 5.9



#82  
Pyrene  
Concen: 36.244 ng/u1  
RT: 19.862 min Scan# 2864  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12



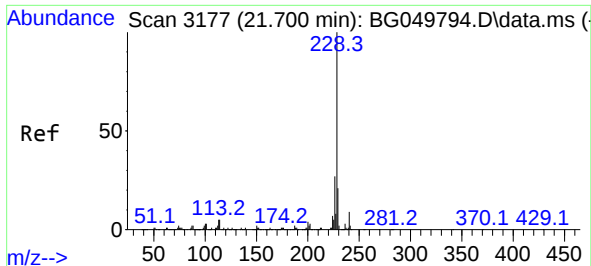
Tgt Ion:202 Resp: 361263  
Ion Ratio Lower Upper  
202 100  
101 6.0 5.2 7.8  
100 5.6 4.8 7.2



Instrument :  
BNA\_G  
ClientSampled :  
BGB05

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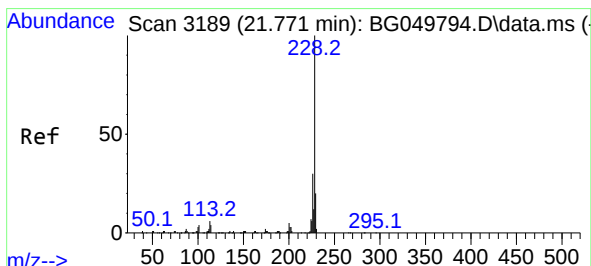
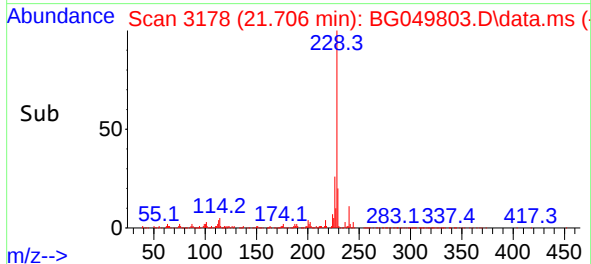
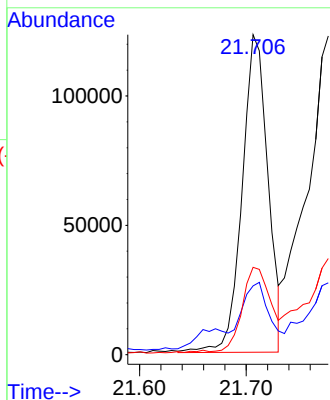
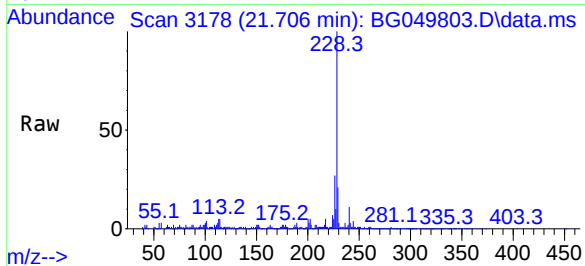
#85  
Benzo(a)anthracene  
Concen: 21.429 ng/u1  
RT: 21.706 min Scan# 3178  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:228 Resp: 206776  
Ion Ratio Lower Upper  
228 100  
229 21.5 15.3 22.9  
226 27.3 21.0 31.6

Instrument :  
BNA\_G  
ClientSampled :  
BGB05

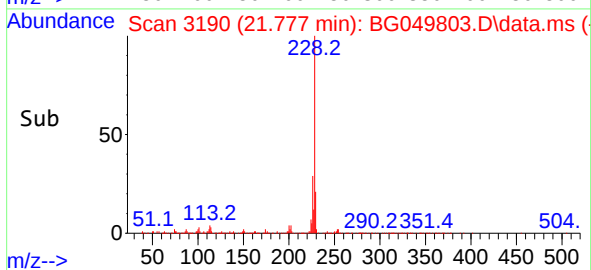
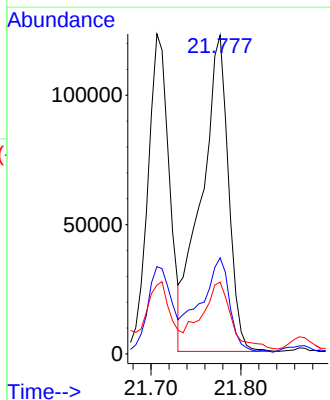
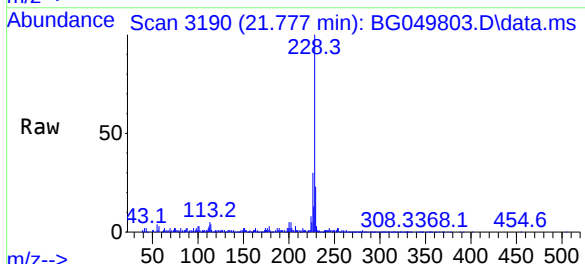
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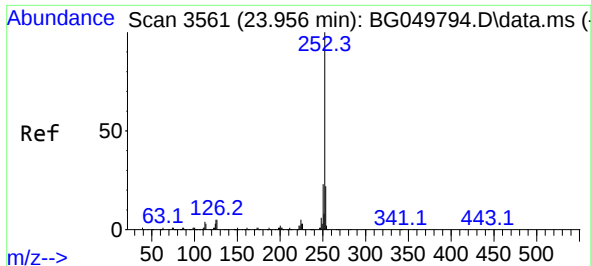
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#87  
Chrysene  
Concen: 28.494 ng/u1  
RT: 21.777 min Scan# 3190  
Delta R.T. 0.007 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:228 Resp: 256788  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.7 37.1  
229 22.5 15.4 23.2





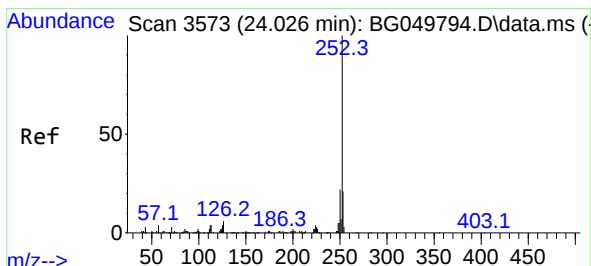
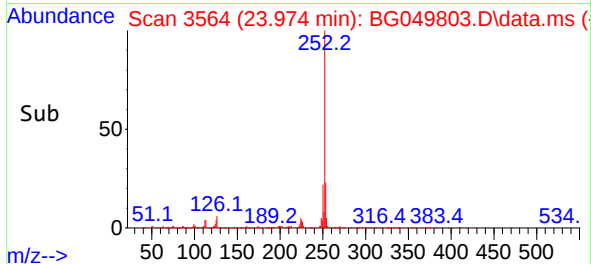
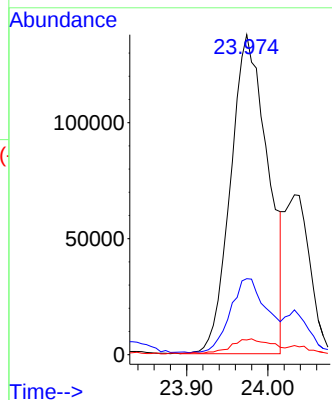
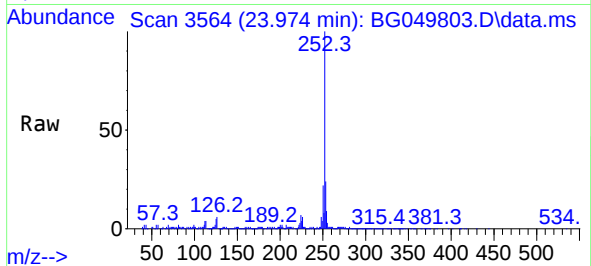
#90  
Benzo(b)fluoranthene  
Concen: 42.481 ng/ul  
RT: 23.974 min Scan# 3564  
Delta R.T. 0.024 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:252 Resp: 438333  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.4 26.2  
125 4.6 3.7 5.5

Instrument :  
BNA\_G  
ClientSampled :  
BGB05

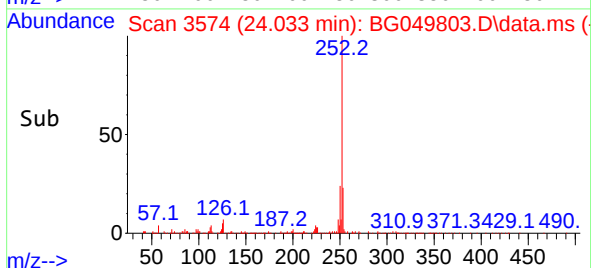
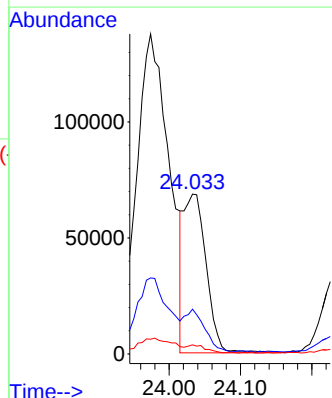
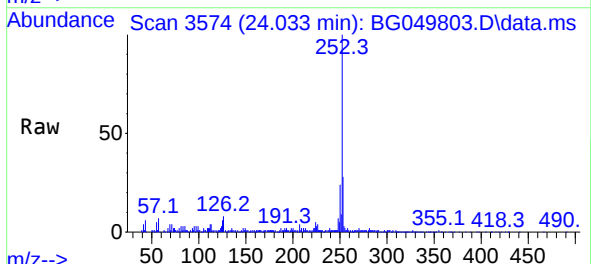
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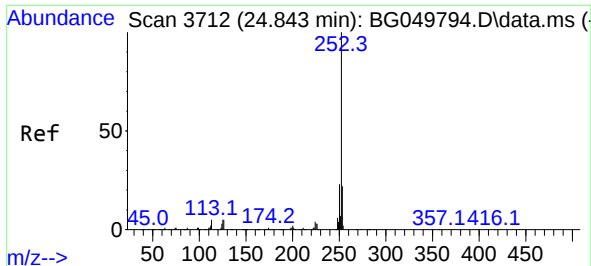
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#91  
Benzo(k)fluoranthene  
Concen: 14.553 ng/ul m  
RT: 24.033 min Scan# 3574  
Delta R.T. 0.012 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

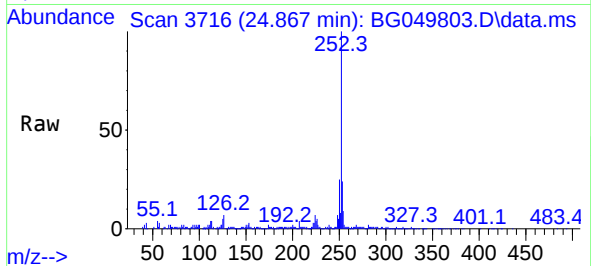
Tgt Ion:252 Resp: 149099  
Ion Ratio Lower Upper  
252 100  
253 28.0 17.8 26.8#  
125 5.7 3.8 5.8





#93  
Benzo(a)pyrene  
Concen: 25.088 ng/u1  
RT: 24.867 min Scan# 3716  
Delta R.T. 0.024 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

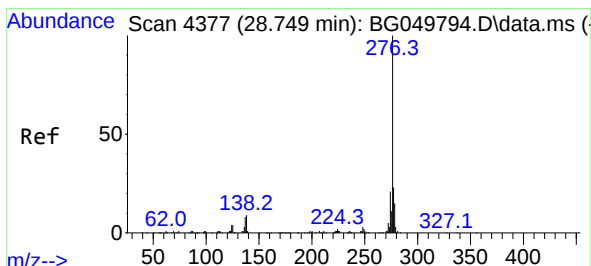
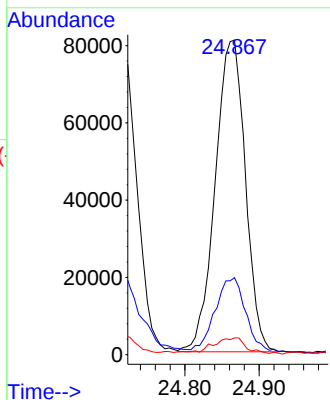
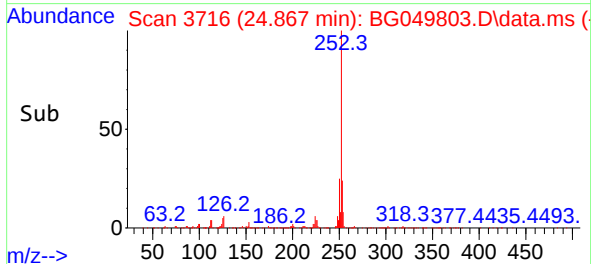
Instrument :  
BNA\_G  
ClientSampled :  
BGB05



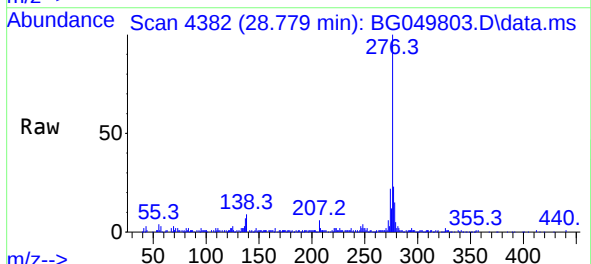
Tgt Ion:252 Resp: 227890  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.7 26.5  
125 5.3 4.6 7.0

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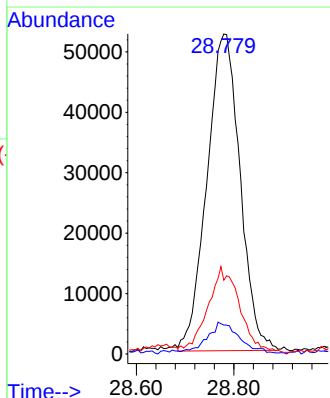
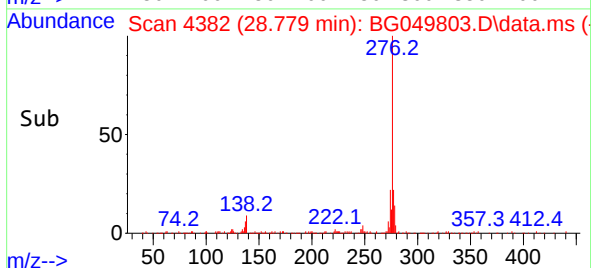
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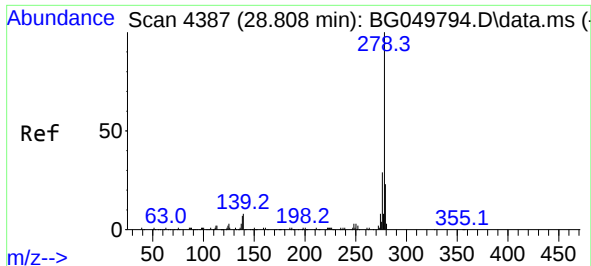


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 20.760 ng/u1  
RT: 28.779 min Scan# 4382  
Delta R.T. 0.042 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12



Tgt Ion:276 Resp: 247468  
Ion Ratio Lower Upper  
276 100  
138 9.0 6.6 10.0  
277 23.1 19.4 29.2





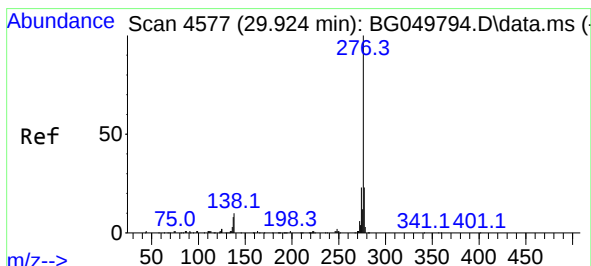
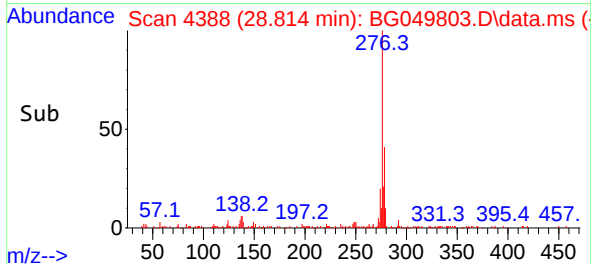
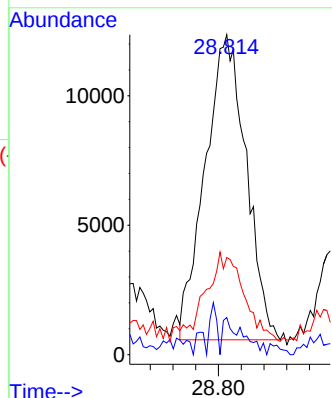
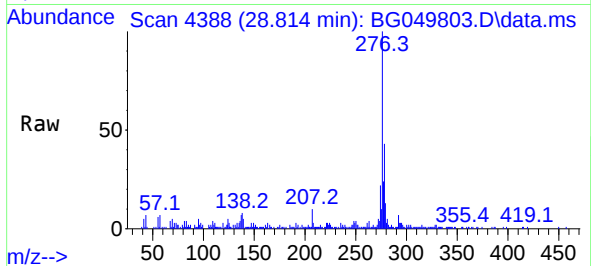
#95  
Dibenzo(a,h)anthracene  
Concen: 5.937 ng/ul  
RT: 28.814 min Scan# 4388  
Delta R.T. 0.012 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:278 Resp: 59036  
Ion Ratio Lower Upper  
278 100  
139 11.6 6.3 9.5#  
279 30.4 18.9 28.3#

Instrument :  
BNA\_G  
ClientSampled :  
BGB05

Manual Integrations  
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#96  
Benzo(g,h,i)perylene  
Concen: 20.912 ng/ul  
RT: 29.966 min Scan# 4584  
Delta R.T. 0.059 min  
Lab File: BG049803.D  
Acq: 12 Aug 2021 1:12

Tgt Ion:276 Resp: 207295  
Ion Ratio Lower Upper  
276 100  
138 5.4 7.2 10.8#  
277 19.8 19.5 29.3

