

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072821\  
 Data File : BG049529.D  
 Acq On : 28 Jul 2021 12:03  
 Operator : CG/JU  
 Sample : M3106-09  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGD20

Manual Integrations  
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Quant Time: Jul 28 12:42:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 26 11:36:47 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.051  | 152  | 22689    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.870 | 136  | 95603    | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.700 | 164  | 65725    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.450 | 188  | 139097   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.732 | 240  | 125188   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 25.010 | 264  | 126812   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.451  | 96   | 585m     | 1.180  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 3.874  | 84   | 6509     | 4.570  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 7.205  | 99   | 18859    | 9.395  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.369  | 67   | 11299    | 9.938  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.581  | 132  | 14027    | 9.748  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.755  | 113  | 10879    | 7.190  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.220  | 128  | 7003     | 9.528  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.948  | 143  | 8009     | 9.298  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.494 | 165  | 14666    | 9.362  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.005 | 131  | 7532     | 3.450  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.095 | 166  | 53927    | 10.711 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.395 | 160  | 63912    | 10.930 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.900 | 143  | 6421     | 7.745  | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.693 | 176  | 47235    | 10.890 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.811 | 200  | 5441     | 6.312  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.549 | 188  | 75670    | 11.705 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.835 | 212  | 83171    | 12.993 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.793 | 264  | 68892    | 10.336 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.491 | 178  | 48109    | 6.644  | ng/ul  | 99       |
| 74) Anthracene                | 17.585 | 178  | 11866    | 1.617  | ng/ul  | 93       |
| 80) Fluoranthene              | 19.500 | 202  | 86876    | 11.177 | ng/ul  | 99       |
| 82) Pyrene                    | 19.864 | 202  | 65253    | 8.456  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.709 | 228  | 30808    | 4.025  | ng/ul# | 94       |
| 87) Chrysene                  | 21.773 | 228  | 28198    | 3.849  | ng/ul# | 90       |
| 90) Benzo(b)fluoranthene      | 23.976 | 252  | 34626    | 4.356  | ng/ul# | 94       |
| 91) Benzo(k)fluoranthene      | 24.029 | 252  | 13941    | 1.792  | ng/ul# | 84       |
| 93) Benzo(a)pyrene            | 24.857 | 252  | 21017    | 3.048  | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.764 | 276  | 18583m   | 2.112  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

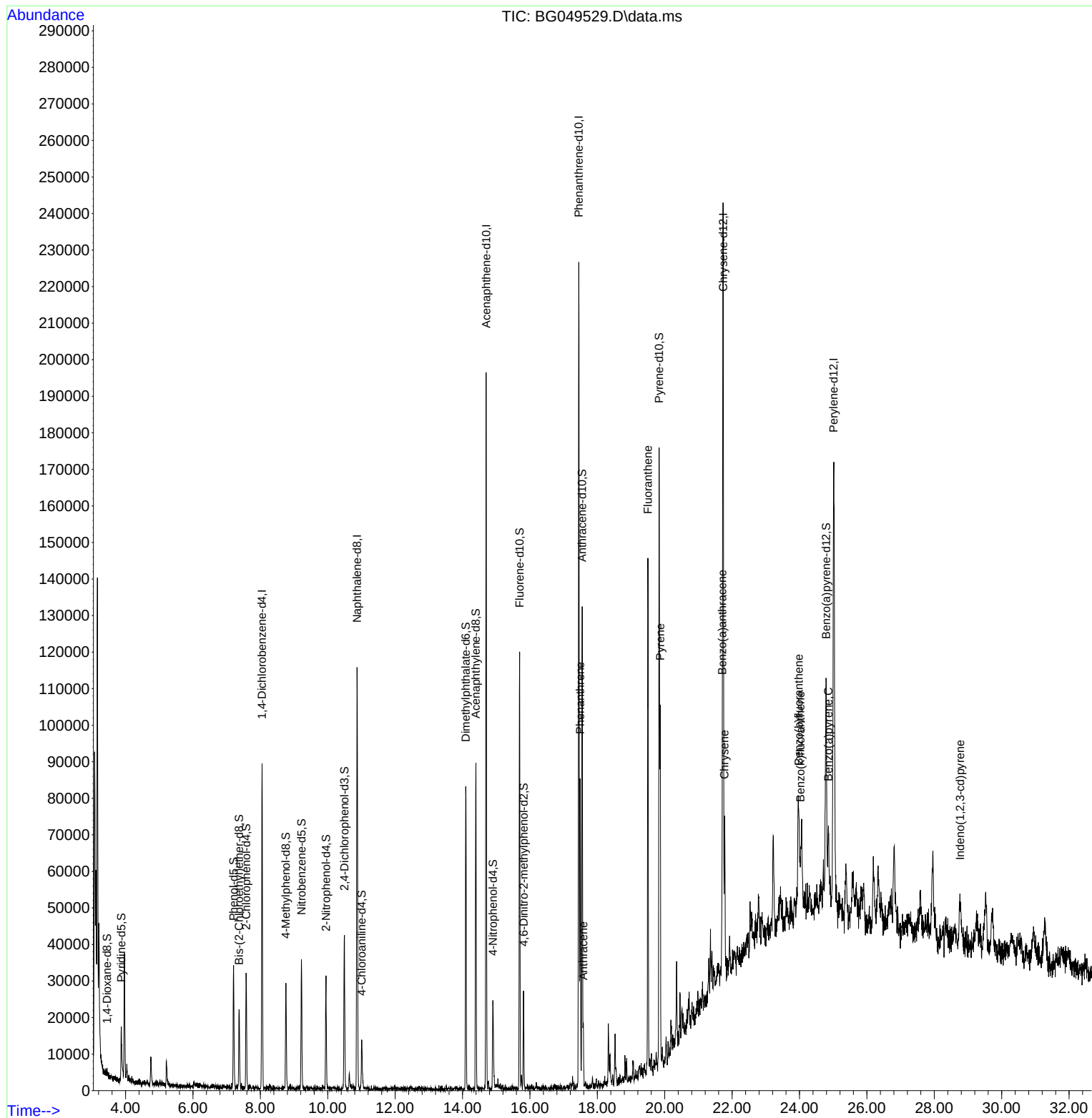
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072821\  
Data File : BG049529.D  
Acq On : 28 Jul 2021 12:03  
Operator : CG/JU  
Sample : M3106-09  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

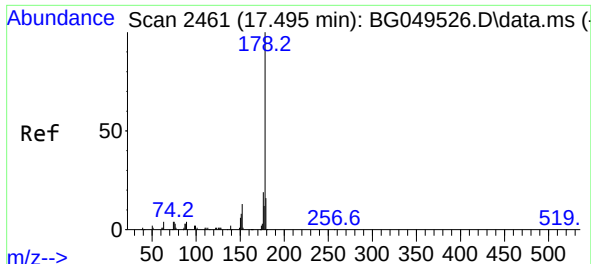
Instrument :  
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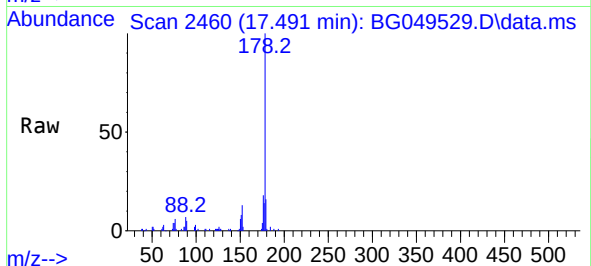
Quant Time: Jul 28 12:42:07 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG072421.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 26 11:36:47 2021  
Response via : Initial Calibration





#72  
Phenanthrene  
Concen: 6.644 ng/ul  
RT: 17.491 min Scan# 2460  
Delta R.T. 0.001 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03

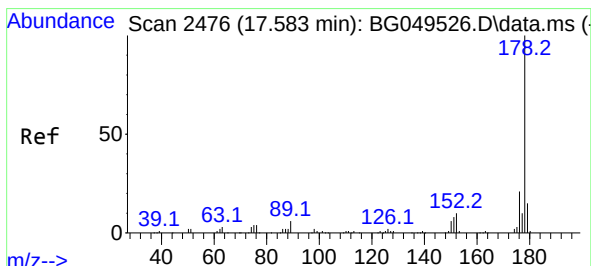
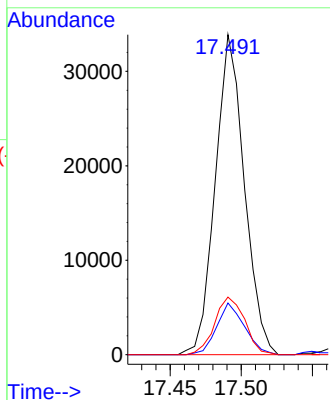
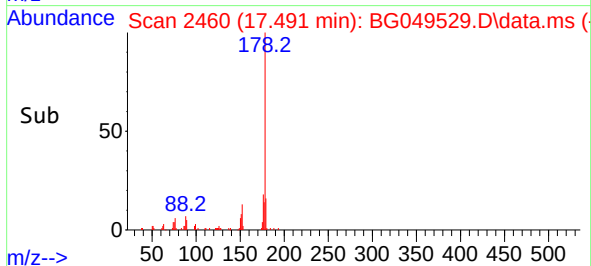
Instrument :  
BNA\_G  
ClientSampleId :  
BGD20



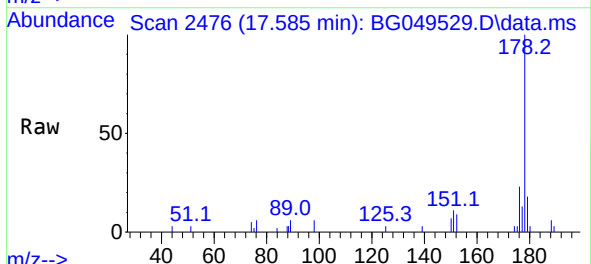
Tgt Ion:178 Resp: 48109  
Ion Ratio Lower Upper  
178 100  
179 16.2 13.2 19.8  
176 18.0 15.0 22.6

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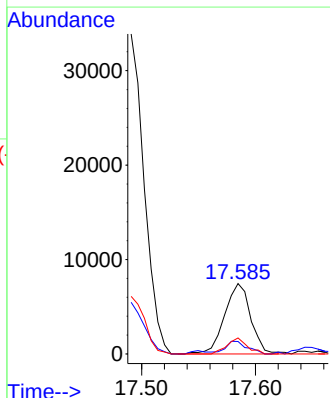
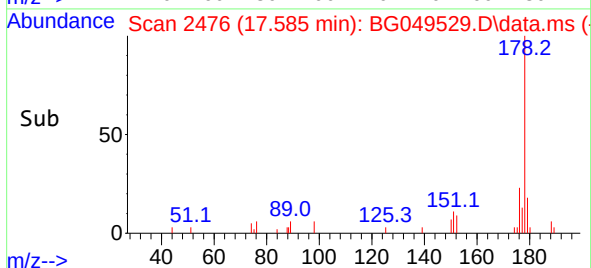
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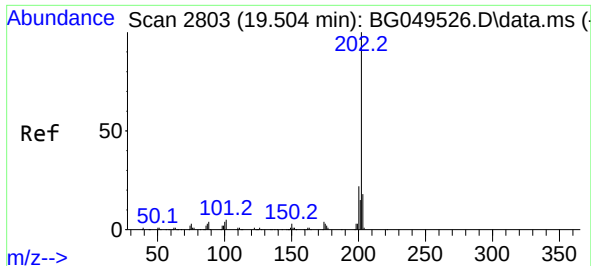


#74  
Anthracene  
Concen: 1.617 ng/ul  
RT: 17.585 min Scan# 2476  
Delta R.T. 0.001 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03



Tgt Ion:178 Resp: 11866  
Ion Ratio Lower Upper  
178 100  
179 17.8 12.0 18.0  
176 22.7 15.6 23.4





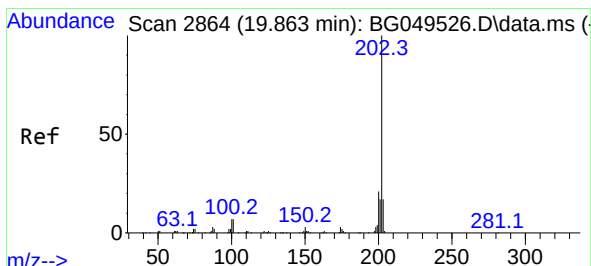
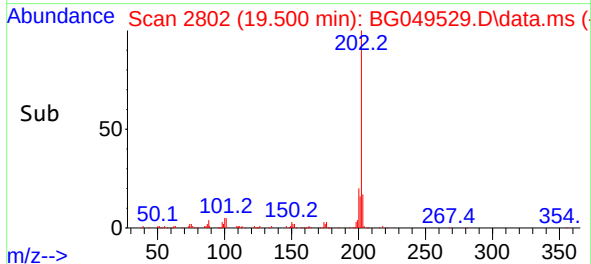
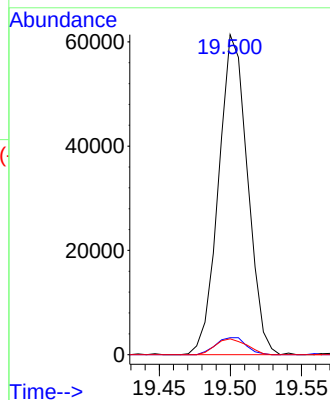
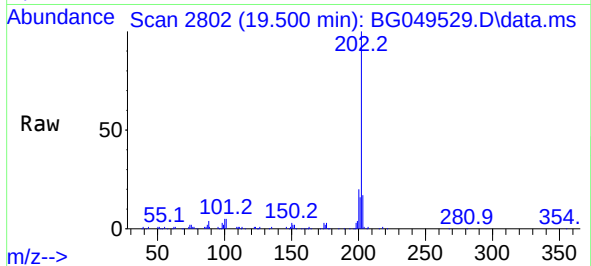
#80  
Fluoranthene  
Concen: 11.177 ng/ul  
RT: 19.500 min Scan# 2802  
Delta R.T. 0.001 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03

|             |       |         |
|-------------|-------|---------|
| Tgt Ion:202 | Resp: | 86876   |
| Ion Ratio   | Lower | Upper   |
| 202         | 100   |         |
| 101         | 5.3   | 4.3 6.5 |
| 100         | 5.0   | 3.8 5.6 |

Instrument :  
BNA\_G  
ClientSampleId :  
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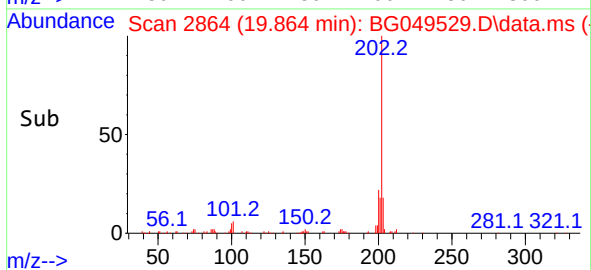
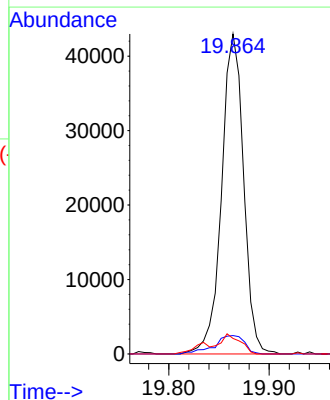
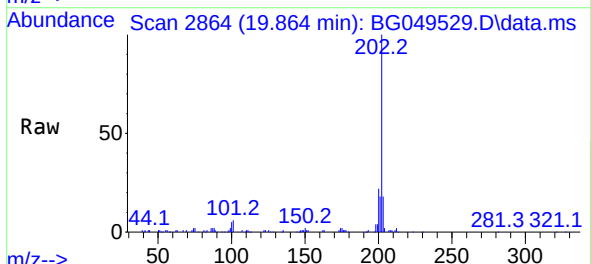
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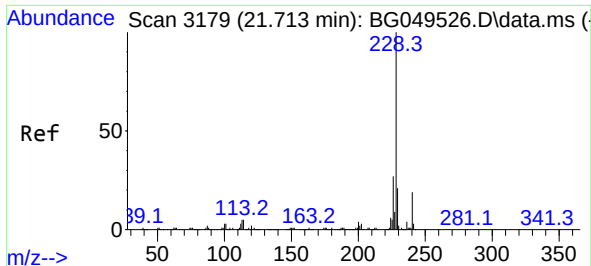
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#82  
Pyrene  
Concen: 8.456 ng/ul  
RT: 19.864 min Scan# 2864  
Delta R.T. 0.001 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03

|             |       |         |
|-------------|-------|---------|
| Tgt Ion:202 | Resp: | 65253   |
| Ion Ratio   | Lower | Upper   |
| 202         | 100   |         |
| 101         | 5.8   | 5.3 7.9 |
| 100         | 4.8   | 4.7 7.1 |





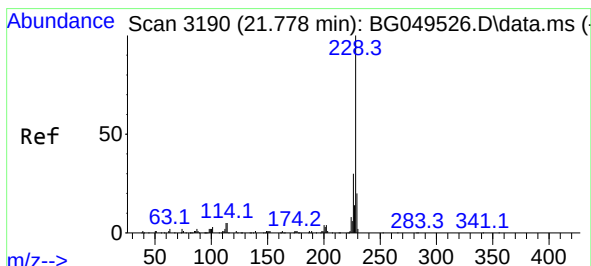
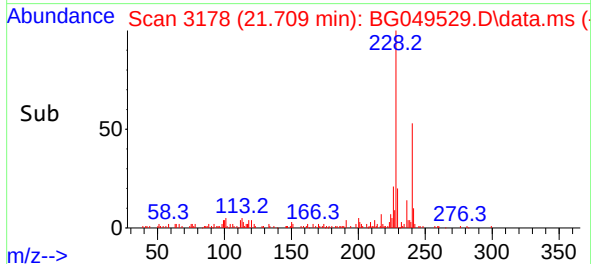
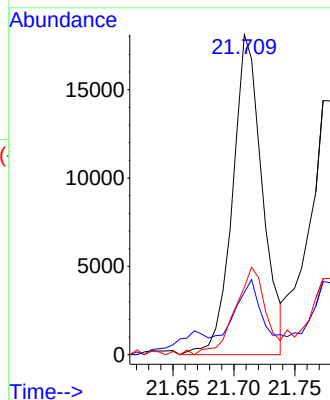
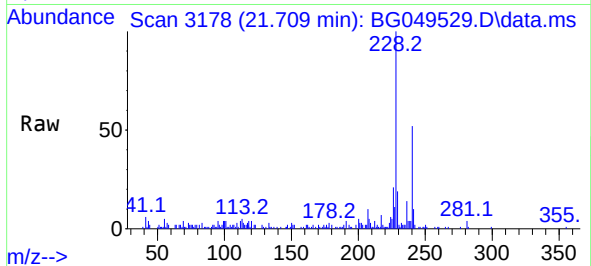
#85  
Benzo(a)anthracene  
Concen: 4.025 ng/u1  
RT: 21.709 min Scan# 3178  
Delta R.T. 0.001 min  
Lab File: BG049529.D  
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Tgt Ion:228 Resp: 30808  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.4 23.2  
226 21.1 21.1 31.7#

Instrument :  
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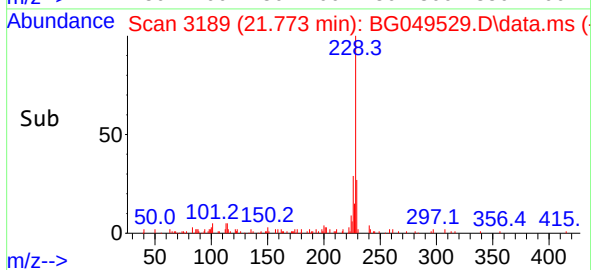
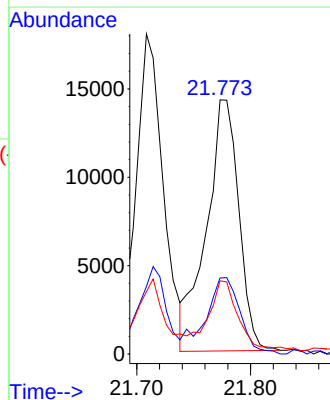
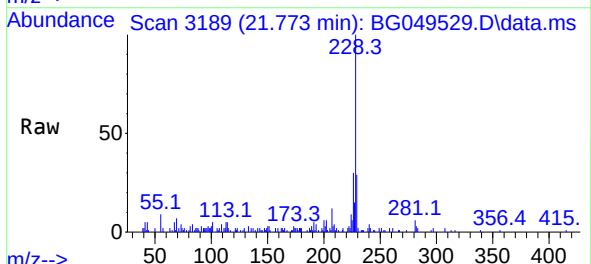
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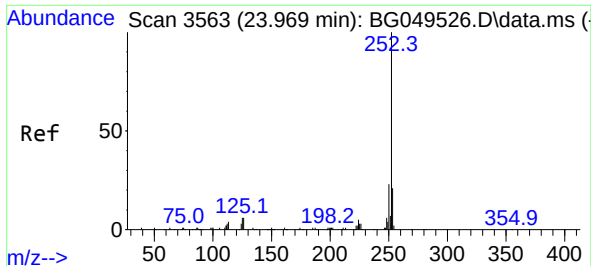
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#87  
Chrysene  
Concen: 3.849 ng/u1  
RT: 21.773 min Scan# 3189  
Delta R.T. 0.001 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03

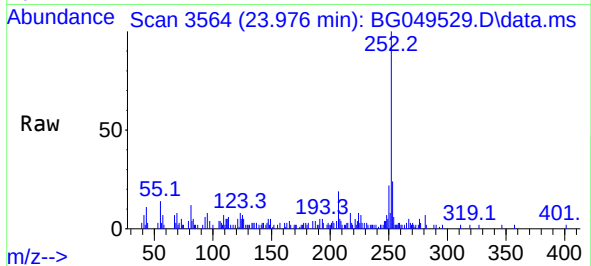
Tgt Ion:228 Resp: 28198  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.6 37.0  
229 28.8 14.9 22.3#





#90  
Benzo(b)fluoranthene  
Concen: 4.356 ng/ul  
RT: 23.976 min Scan# 3564  
Delta R.T. 0.019 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03

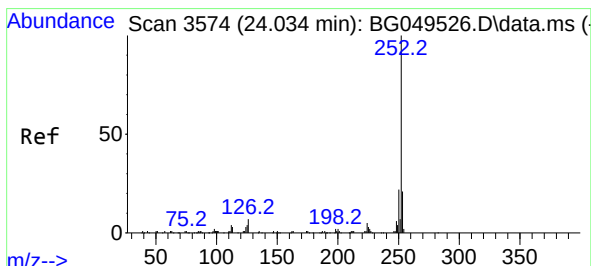
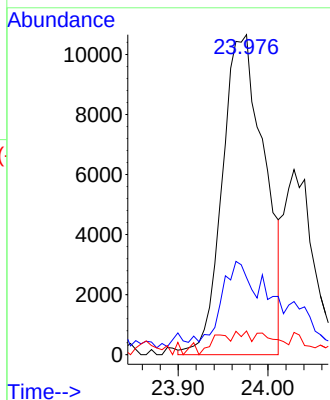
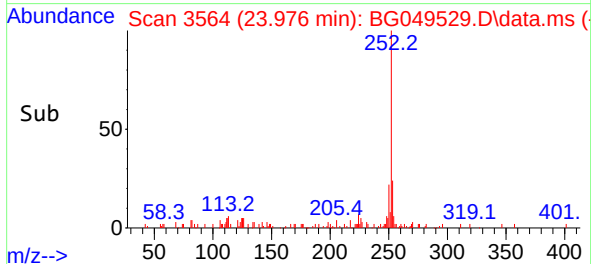
Instrument :  
BNA\_G  
ClientSampled :  
BGD20



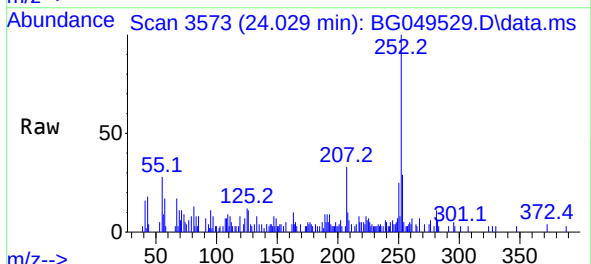
Tgt Ion:252 Resp: 34626  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.1 25.7  
125 7.4 4.5 6.7#

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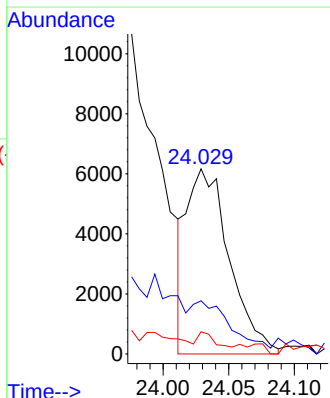
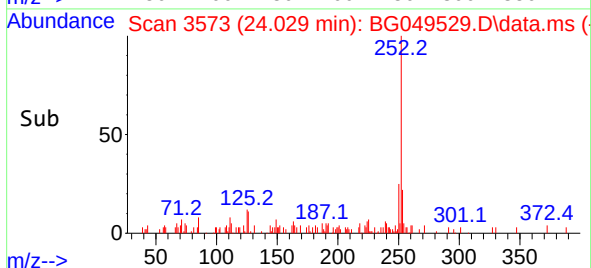
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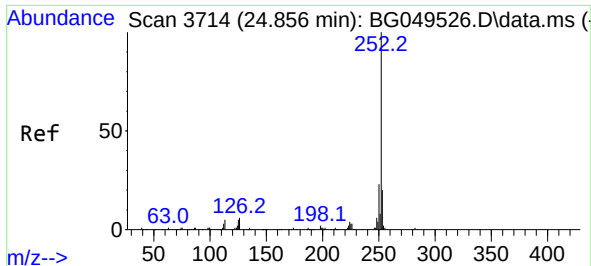


#91  
Benzo(k)fluoranthene  
Concen: 1.792 ng/ul  
RT: 24.029 min Scan# 3573  
Delta R.T. 0.007 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03



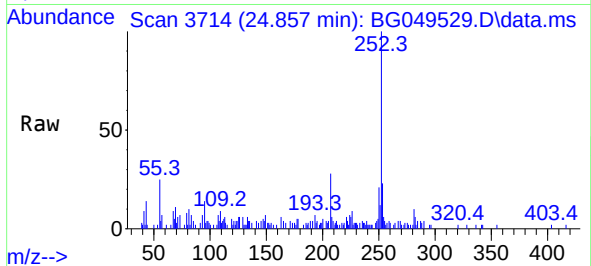
Tgt Ion:252 Resp: 13941  
Ion Ratio Lower Upper  
252 100  
253 28.7 17.3 25.9#  
125 12.0 4.6 7.0#





#93  
Benzo(a)pyrene  
Concen: 3.048 ng/ul  
RT: 24.857 min Scan# 3714  
Delta R.T. 0.019 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03

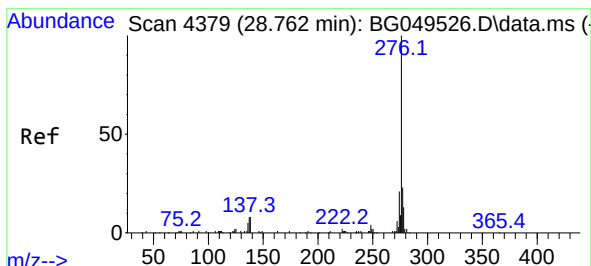
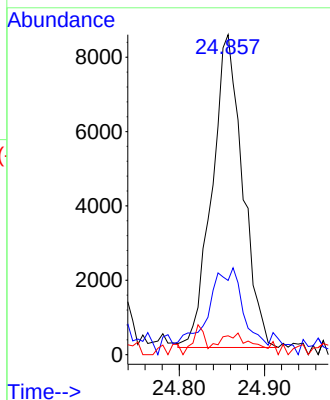
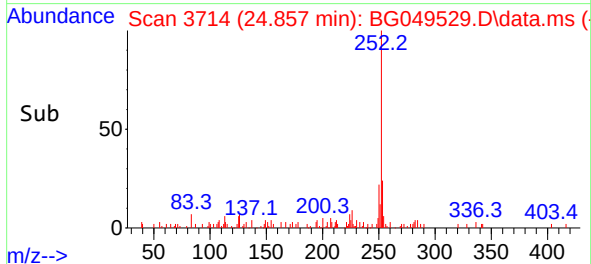
Instrument :  
BNA\_G  
ClientSampleId :  
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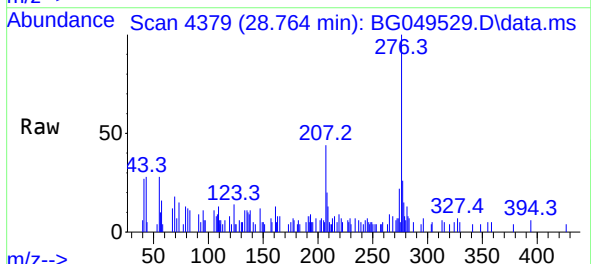
Tgt Ion:252 Resp: 21017  
Ion Ratio Lower Upper  
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253 23.2 16.4 24.6  
125 5.9 4.6 6.8

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#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.112 ng/ul m  
RT: 28.764 min Scan# 4379  
Delta R.T. 0.025 min  
Lab File: BG049529.D  
Acq: 28 Jul 2021 12:03



Tgt Ion:276 Resp: 18583  
Ion Ratio Lower Upper  
276 100  
138 11.1 7.3 10.9#  
277 25.6 19.2 28.8

