

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG083021\  
 Data File : BG050033.D  
 Acq On : 30 Aug 2021 15:41  
 Operator : CG/JU  
 Sample : M3458-15  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AW7

Manual Integrations  
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 8/31/2021 11:35:10 AM

Quant Time: Aug 30 16:36:27 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 30 14:59:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.966  | 152  | 24854    | 20.000 | ng/ul  | 0.01     |
| 20) Naphthalene-d8            | 10.780 | 136  | 105917   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.628 | 164  | 75383    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.377 | 188  | 148681   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.654 | 240  | 126143   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.885 | 264  | 136988   | 20.000 | ng/ul  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.320  | 96   | 1084     | 2.249  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.760  | 84   | 8817m    | 6.073  | ng/ul  | 0.02     |
| 7) Phenol-d5                  | 7.138  | 99   | 26797    | 12.697 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.279  | 67   | 15125    | 12.900 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.497  | 132  | 21249    | 13.456 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.689  | 113  | 16919    | 10.179 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.130  | 128  | 10893    | 13.266 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.864  | 143  | 12800    | 13.091 | ng/ul  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.416 | 165  | 23604    | 13.535 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.927 | 131  | 20338    | 8.568  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.023 | 166  | 83303    | 14.439 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.317 | 160  | 101367   | 14.985 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.863 | 143  | 9498     | 11.379 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.621 | 176  | 74031    | 15.135 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.756 | 200  | 9448     | 9.877  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.477 | 188  | 106495   | 15.951 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.768 | 212  | 120455   | 17.671 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.662 | 264  | 107928   | 14.851 | ng/ul  | 0.01     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.352 | 152  | 19118    | 3.092  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.424 | 178  | 78677    | 10.615 | ng/ul  | 97       |
| 74) Anthracene                | 17.512 | 178  | 14310m   | 1.905  | ng/ul  |          |
| 77) Carbazole                 | 17.788 | 167  | 8434     | 1.262  | ng/ul  | 97       |
| 80) Fluoranthene              | 19.439 | 202  | 238784   | 28.387 | ng/ul  | 99       |
| 82) Pyrene                    | 19.798 | 202  | 198711   | 23.840 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.636 | 228  | 140306   | 17.851 | ng/ul  | 97       |
| 87) Chrysene                  | 21.701 | 228  | 129706   | 17.457 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.857 | 252  | 207061   | 23.630 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.915 | 252  | 83449m   | 10.019 | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.732 | 252  | 122019   | 16.034 | ng/ul  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.574 | 276  | 100133   | 9.975  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 28.603 | 278  | 28847m   | 3.433  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 29.731 | 276  | 8717m    | 1.033  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

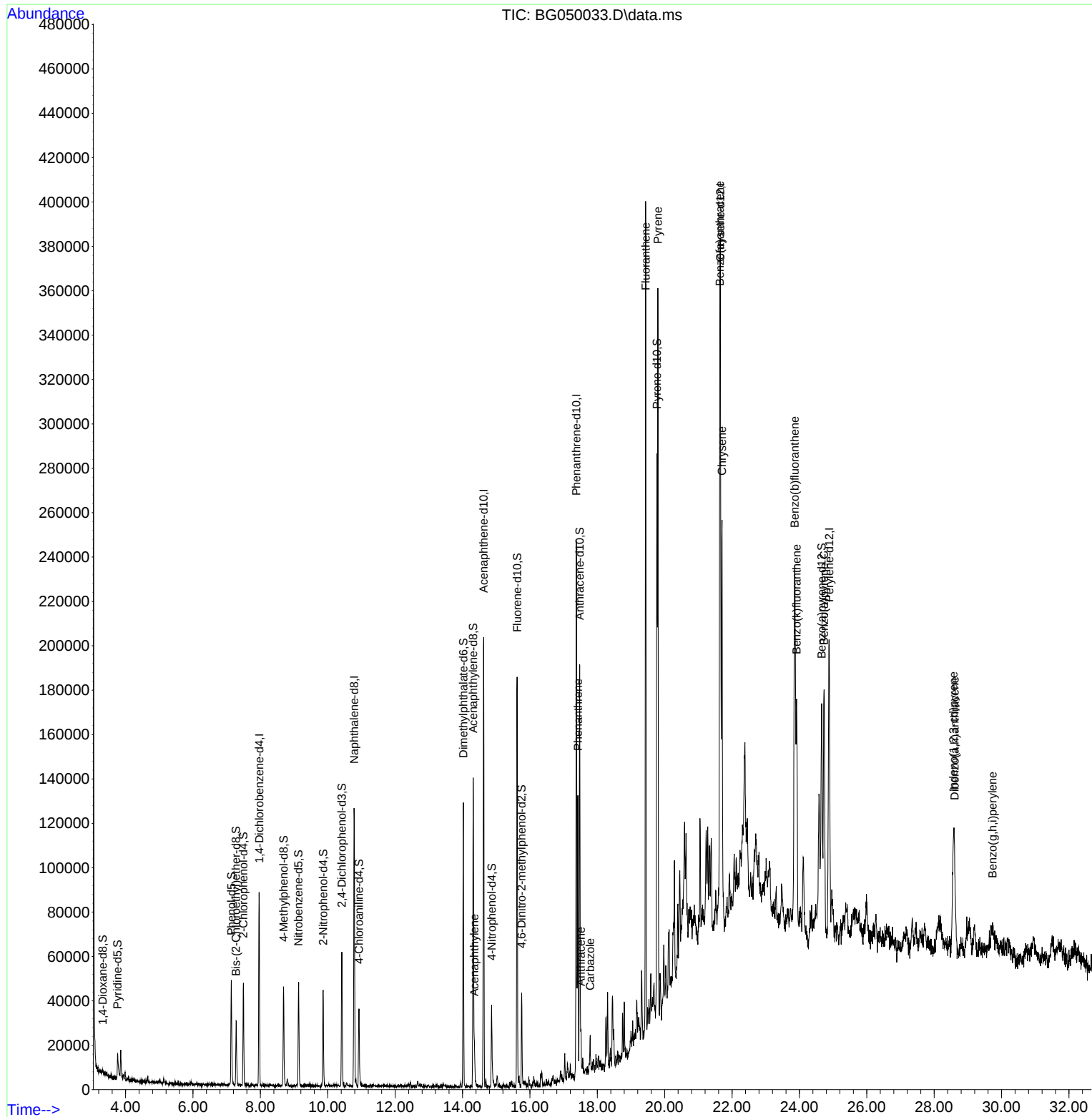
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG083021\  
Data File : BG050033.D  
Acq On : 30 Aug 2021 15:41  
Operator : CG/JU  
Sample : M3458-15  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

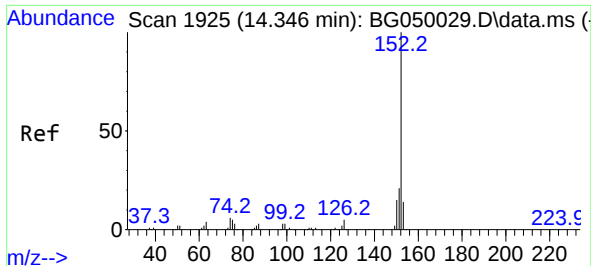
Instrument :  
BNA\_G  
ClientSampleId :  
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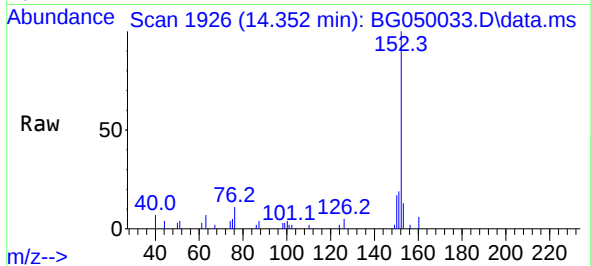
Quant Time: Aug 30 16:36:27 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG081921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Aug 30 14:59:55 2021  
Response via : Initial Calibration





#50  
Acenaphthylene  
Concen: 3.092 ng/ul  
RT: 14.352 min Scan# 1926  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

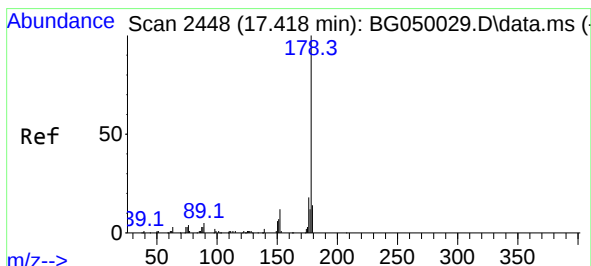
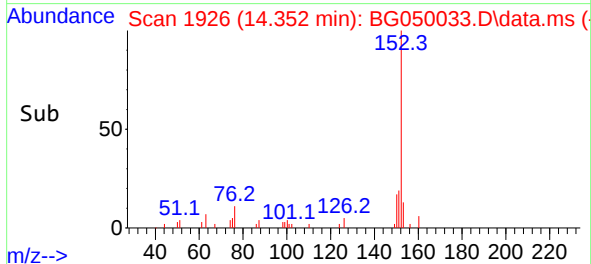
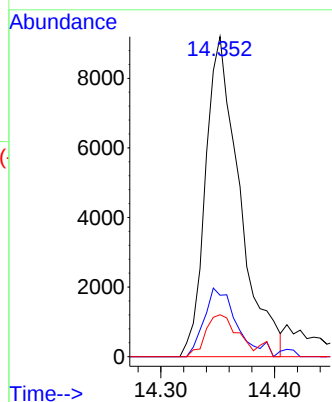
Instrument :  
BNA\_G  
ClientSampled :  
C0AW7



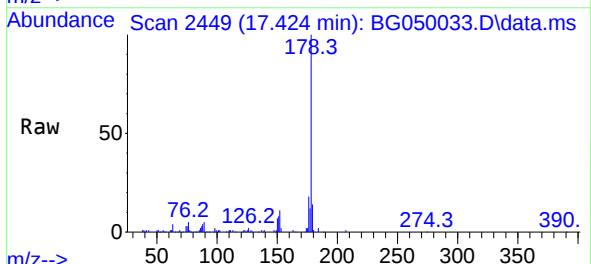
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|-----------|------|-------|-------|
| Tgt Ion:  | 152  | Resp: | 19118 |
| Ion Ratio | 100  | Lower | Upper |
| 152       | 100  |       |       |
| 151       | 19.2 | 15.2  | 22.8  |
| 153       | 13.1 | 10.7  | 16.1  |

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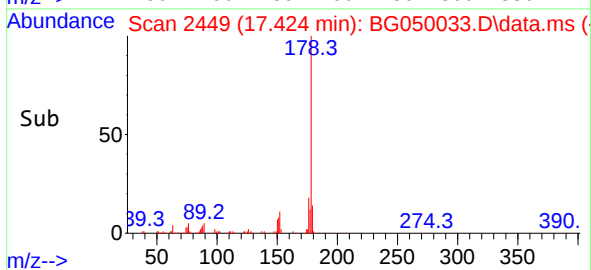
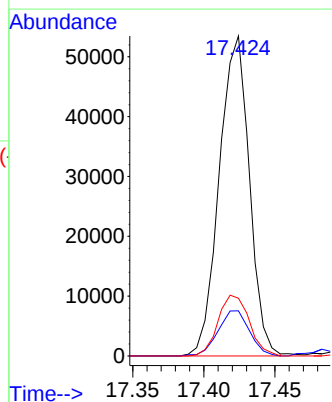
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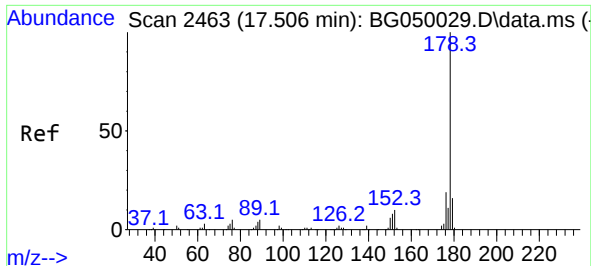


#72  
Phenanthrene  
Concen: 10.615 ng/ul  
RT: 17.424 min Scan# 2449  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41



|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 178  | Resp: | 78677 |
| Ion Ratio | 100  | Lower | Upper |
| 178       | 100  |       |       |
| 179       | 14.1 | 11.7  | 17.5  |
| 176       | 18.0 | 16.2  | 24.2  |





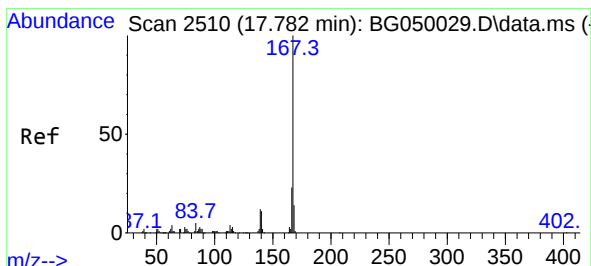
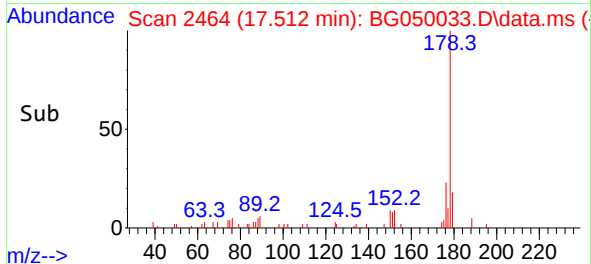
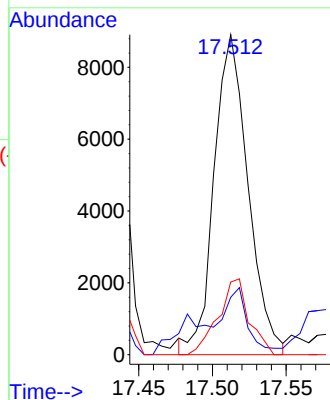
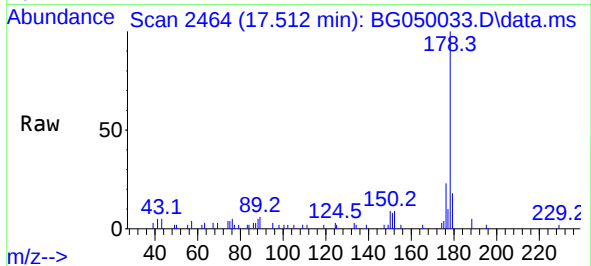
#74  
Anthracene  
Concen: 1.905 ng/ul m  
RT: 17.512 min Scan# 2464  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.9  | 11.4  | 17.0# |
| 176     | 22.7  | 12.8  | 19.2# |

Instrument :  
BNA\_G  
ClientSampled :  
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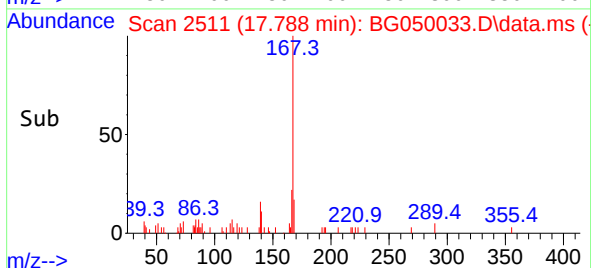
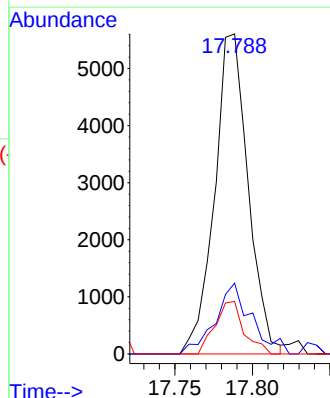
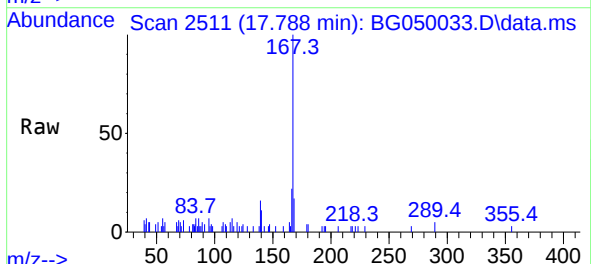
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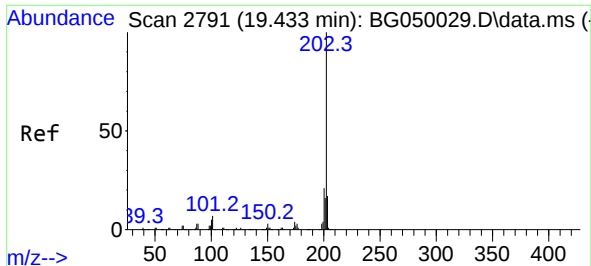
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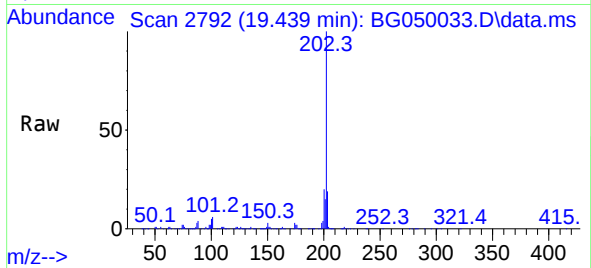
#77  
Carbazole  
Concen: 1.262 ng/ul  
RT: 17.788 min Scan# 2511  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.2  | 17.8  | 26.8  |
| 139     | 16.4  | 11.1  | 16.7  |

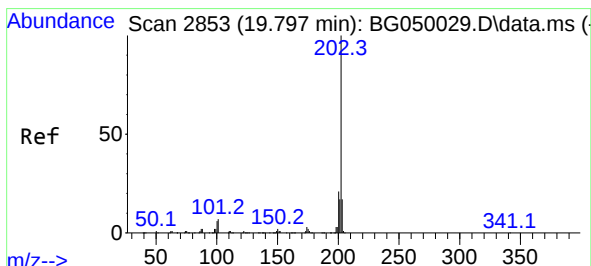
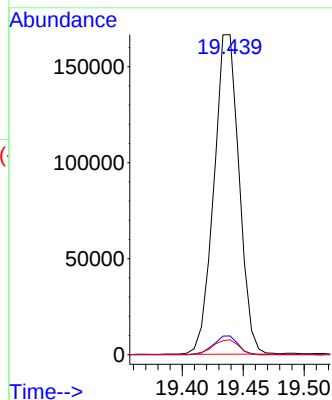
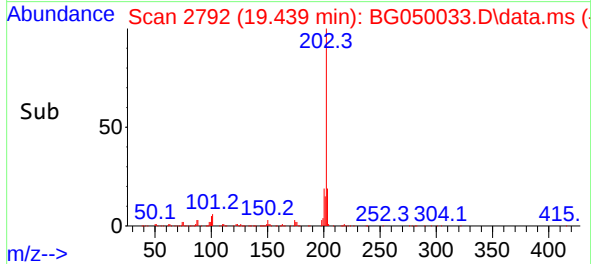




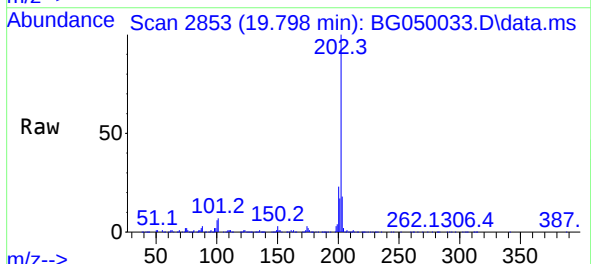
#80  
Fluoranthene  
Concen: 28.387 ng/ul  
RT: 19.439 min Scan# 2792  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41



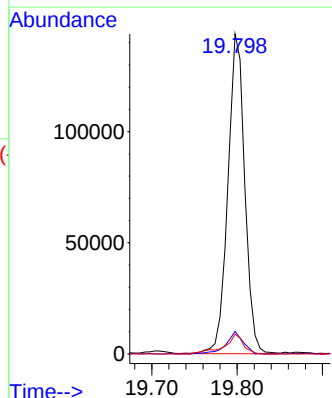
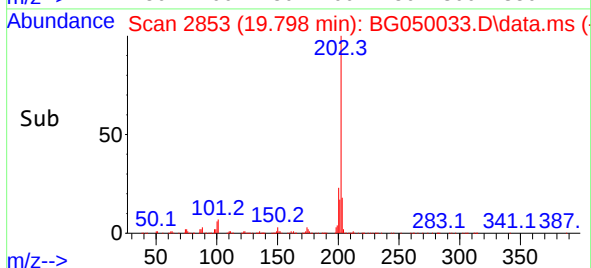
Tgt Ion:202 Resp: 238784  
Ion Ratio Lower Upper  
202 100  
101 5.8 4.3 6.5  
100 4.6 3.5 5.3



#82  
Pyrene  
Concen: 23.840 ng/ul  
RT: 19.798 min Scan# 2853  
Delta R.T. 0.000 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41



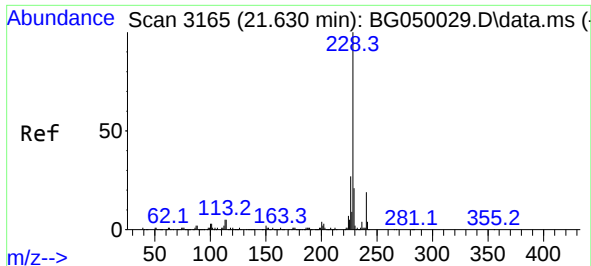
Tgt Ion:202 Resp: 198711  
Ion Ratio Lower Upper  
202 100  
101 7.0 5.4 8.0  
100 6.2 5.0 7.6



Instrument :  
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ClientSampled :  
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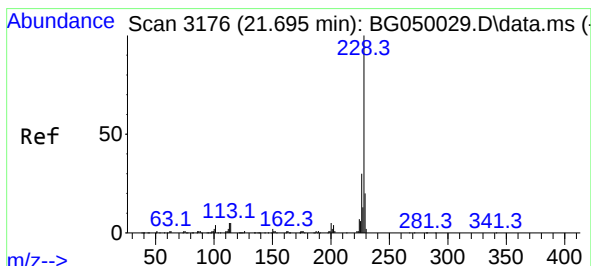
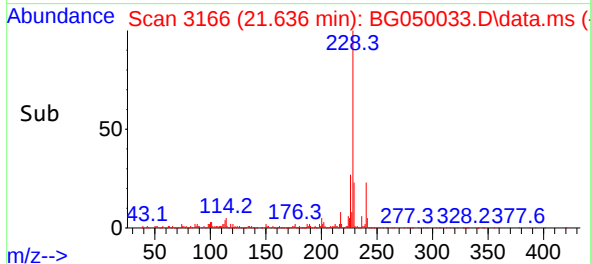
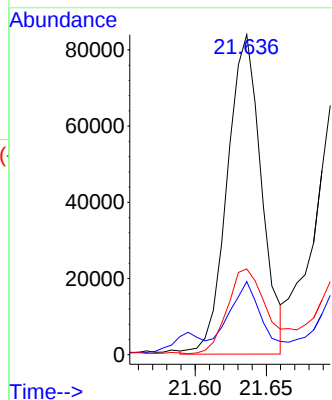
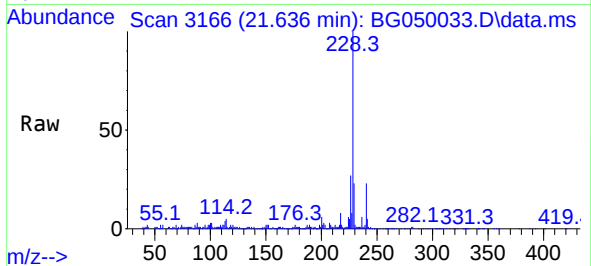
#85  
Benzo(a)anthracene  
Concen: 17.851 ng/ul  
RT: 21.636 min Scan# 3166  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 140306 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 22.8  | 16.2  | 24.4   |
| 226       | 26.8  | 21.0  | 31.4   |

Instrument :  
BNA\_G  
ClientSampled :  
C0AW7

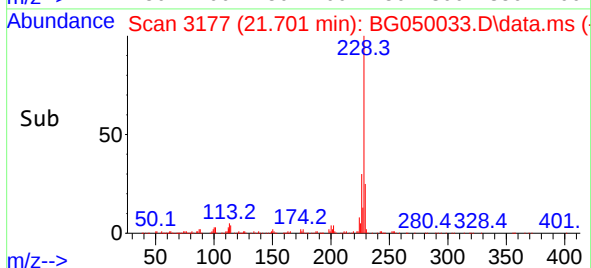
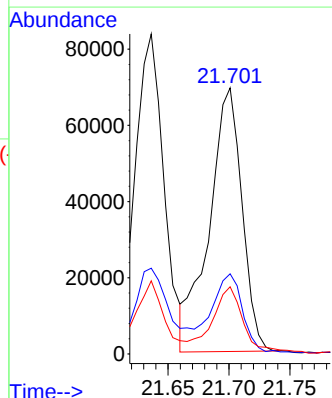
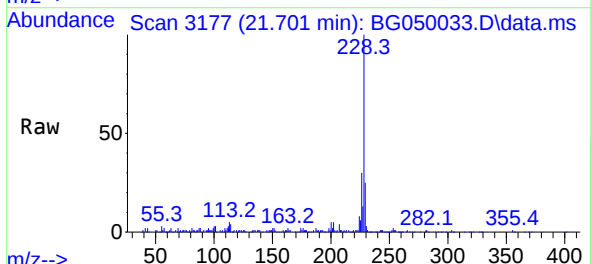
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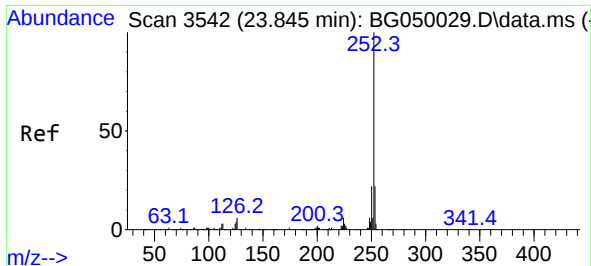
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#87  
Chrysene  
Concen: 17.457 ng/ul  
RT: 21.701 min Scan# 3177  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 129706 |
| Ion Ratio | Lower | Upper |        |
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| 226       | 30.2  | 23.0  | 34.4   |
| 229       | 25.3  | 17.8  | 26.6   |





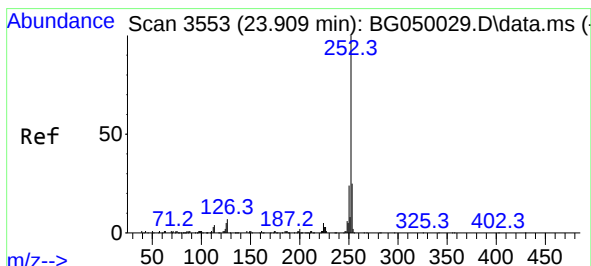
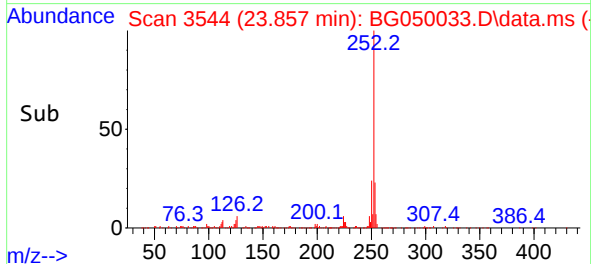
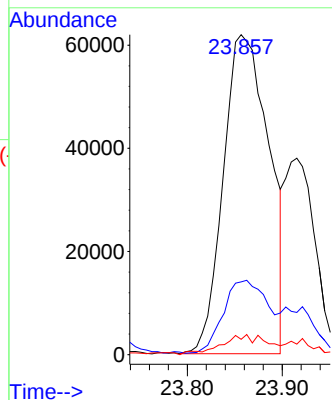
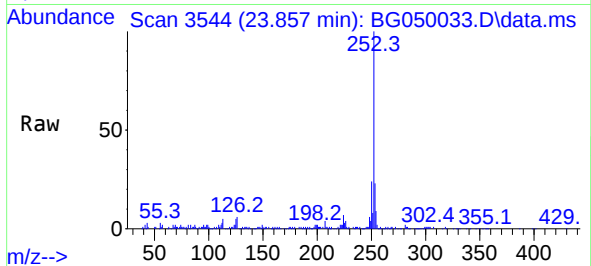
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Benzo(b)fluoranthene  
Concen: 23.630 ng/ul  
RT: 23.857 min Scan# 3544  
Delta R.T. 0.012 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

Tgt Ion:252 Resp: 207061  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.1 27.1  
125 4.8 3.4 5.0

Instrument :  
BNA\_G  
ClientSampled :  
C0AW7

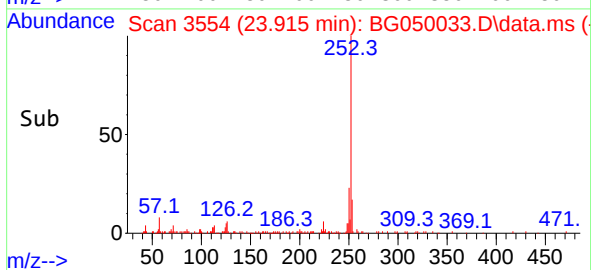
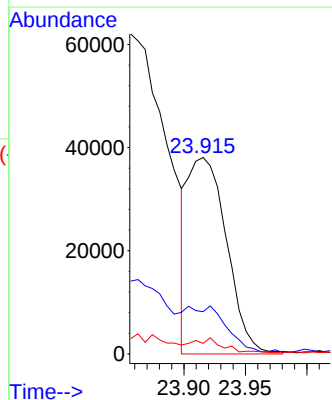
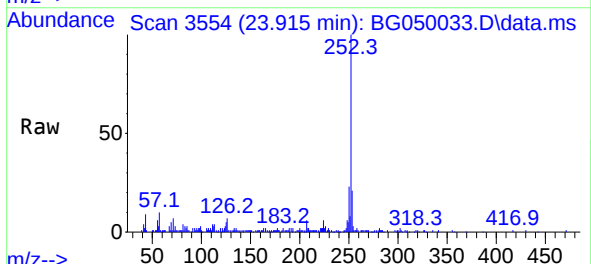
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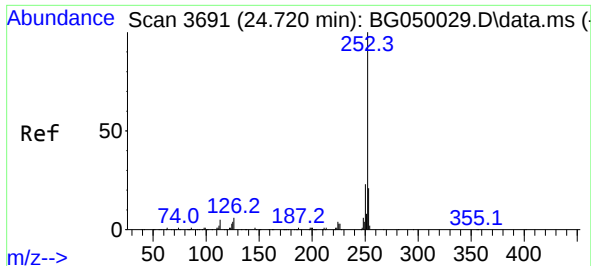
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#91  
Benzo(k)fluoranthene  
Concen: 10.019 ng/ul m  
RT: 23.915 min Scan# 3554  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

Tgt Ion:252 Resp: 83449  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.7 26.5  
125 5.3 4.1 6.1





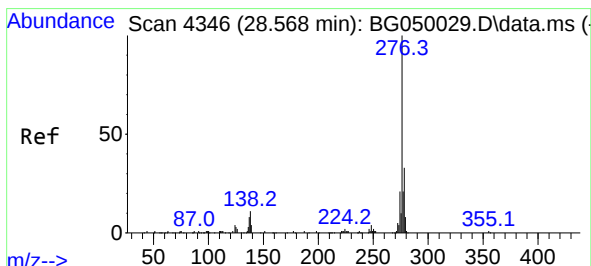
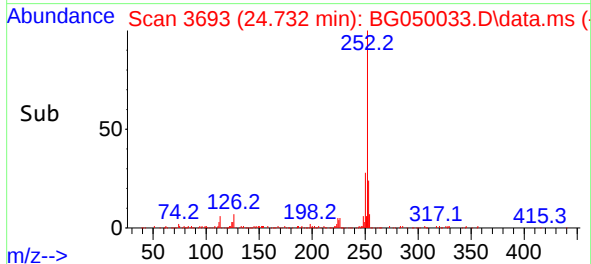
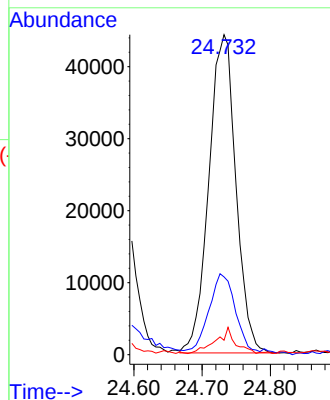
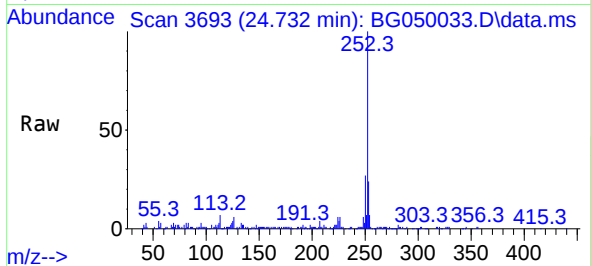
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Benzo(a)pyrene  
Concen: 16.034 ng/ul  
RT: 24.732 min Scan# 3693  
Delta R.T. 0.012 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 122019 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.3  | 17.0  | 25.4   |
| 125       | 4.5   | 4.4   | 6.6    |

Instrument :  
BNA\_G  
ClientSampleId :  
C0AW7

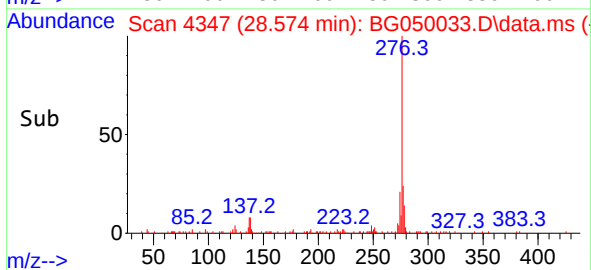
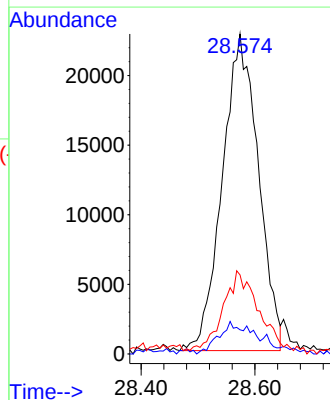
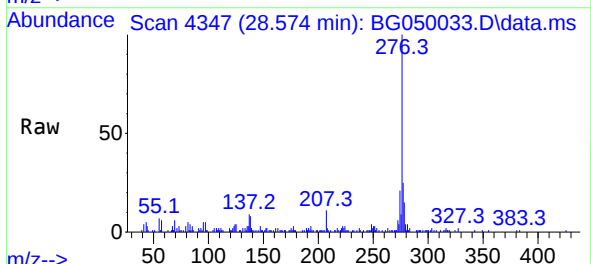
Manual Integrations  
APPROVED

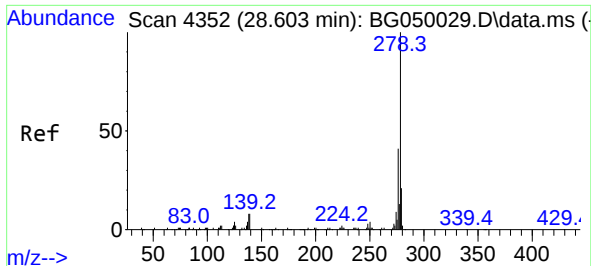
mohammad  
8/31/2021 11:35:10 AM



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 9.975 ng/ul  
RT: 28.574 min Scan# 4347  
Delta R.T. 0.006 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

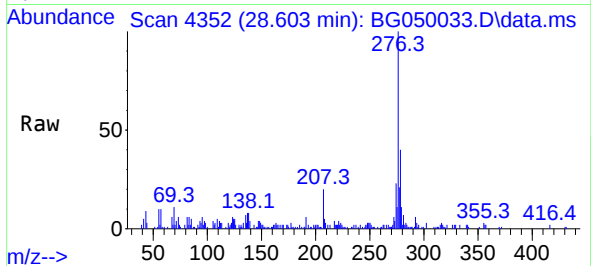
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 100133 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 7.5   | 5.5   | 8.3    |
| 277       | 24.7  | 18.6  | 27.8   |



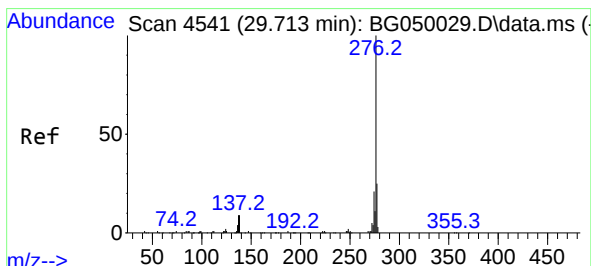
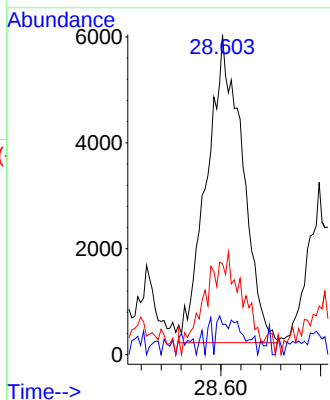
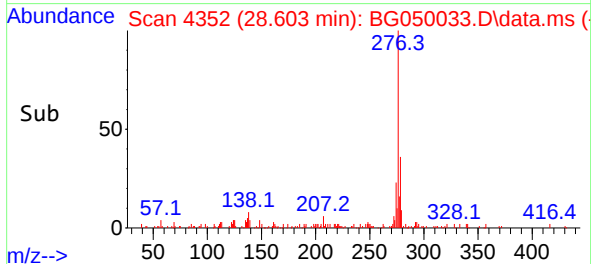


#95  
Dibenzo(a,h)anthracene  
Concen: 3.433 ng/ul m  
RT: 28.603 min Scan# 4352  
Delta R.T. 0.000 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41

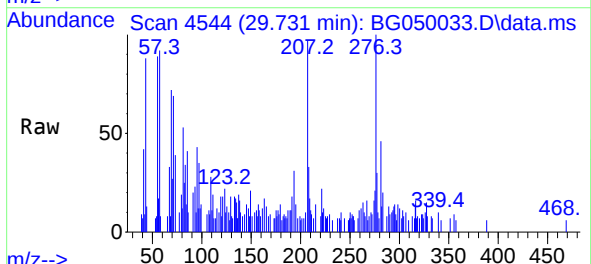
Instrument :  
BNA\_G  
ClientSampled :  
C0AW7



Tgt Ion: 278 Resp: 28847  
Ion Ratio Lower Upper  
278 100  
139 9.4 5.2 7.8#  
279 28.4 19.0 28.4



#96  
Benzo(g,h,i)perylene  
Concen: 1.033 ng/ul m  
RT: 29.731 min Scan# 4544  
Delta R.T. 0.018 min  
Lab File: BG050033.D  
Acq: 30 Aug 2021 15:41



Tgt Ion: 276 Resp: 8717  
Ion Ratio Lower Upper  
276 100  
138 16.1 8.6 13.0#  
277 29.6 17.4 26.0#

