

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112621\  
 Data File : BG051260.D  
 Acq On : 26 Nov 2021 16:40  
 Operator : CG/JU  
 Sample : M4702-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBLP4

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021  
 Supervised By :Sohil Jodhani 11/30/2021

Quant Time: Nov 26 21:43:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 24 06:04:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.205  | 152  | 33716    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.031 | 136  | 147818   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.838 | 164  | 93300    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.588 | 188  | 180598   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.889 | 240  | 149906   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.303 | 264  | 152785   | 20.000 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.540  | 96   | 1813     | 1.869  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.975  | 84   | 17445    | 6.127  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.365  | 99   | 43310    | 12.997 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.517  | 67   | 28680    | 13.704 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.735  | 132  | 32776    | 13.659 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.922  | 113  | 28559    | 10.621 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.386  | 128  | 17771    | 14.242 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.109 | 143  | 20106    | 14.284 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.661 | 165  | 33557    | 14.051 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.172 | 131  | 29662    | 8.488  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.227 | 166  | 108215   | 15.074 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.533 | 160  | 139769   | 15.440 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.067 | 143  | 11497    | 9.894  | ng/u1  | 0.02     |
| 60) Fluorene-d10              | 15.825 | 176  | 95924    | 14.838 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.961 | 200  | 4229     | 3.795  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.682 | 188  | 135658   | 15.706 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.962 | 212  | 147457   | 16.257 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.062 | 264  | 124608   | 15.271 | ng/u1  | 0.02     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 7.394  | 94   | 4327     | 1.253  | ng/u1# | 91       |
| 72) Phenanthrene              | 17.629 | 178  | 82510    | 8.275  | ng/u1  | 99       |
| 74) Anthracene                | 17.723 | 178  | 15923    | 1.608  | ng/u1  | 96       |
| 77) Carbazole                 | 17.993 | 167  | 12924    | 1.487  | ng/u1# | 94       |
| 80) Fluoranthene              | 19.633 | 202  | 139678   | 12.538 | ng/u1# | 95       |
| 82) Pyrene                    | 19.991 | 202  | 107767   | 9.889  | ng/u1  | 95       |
| 85) Benzo(a)anthracene        | 21.865 | 228  | 59479    | 5.850  | ng/u1  | 99       |
| 87) Chrysene                  | 21.936 | 228  | 54449    | 5.574  | ng/u1  | 95       |
| 90) Benzo(b)fluoranthene      | 24.210 | 252  | 71343    | 6.919  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 24.274 | 252  | 23509m   | 2.430  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 25.138 | 252  | 45693    | 4.645  | ng/u1  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.239 | 276  | 31985m   | 2.906  | ng/u1  |          |
| 95) Dibenzo(a,h)anthracene    | 29.280 | 278  | 10987m   | 1.177  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 30.461 | 276  | 21620    | 2.334  | ng/u1# | 87       |
| -----                         |        |      |          |        |        |          |

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

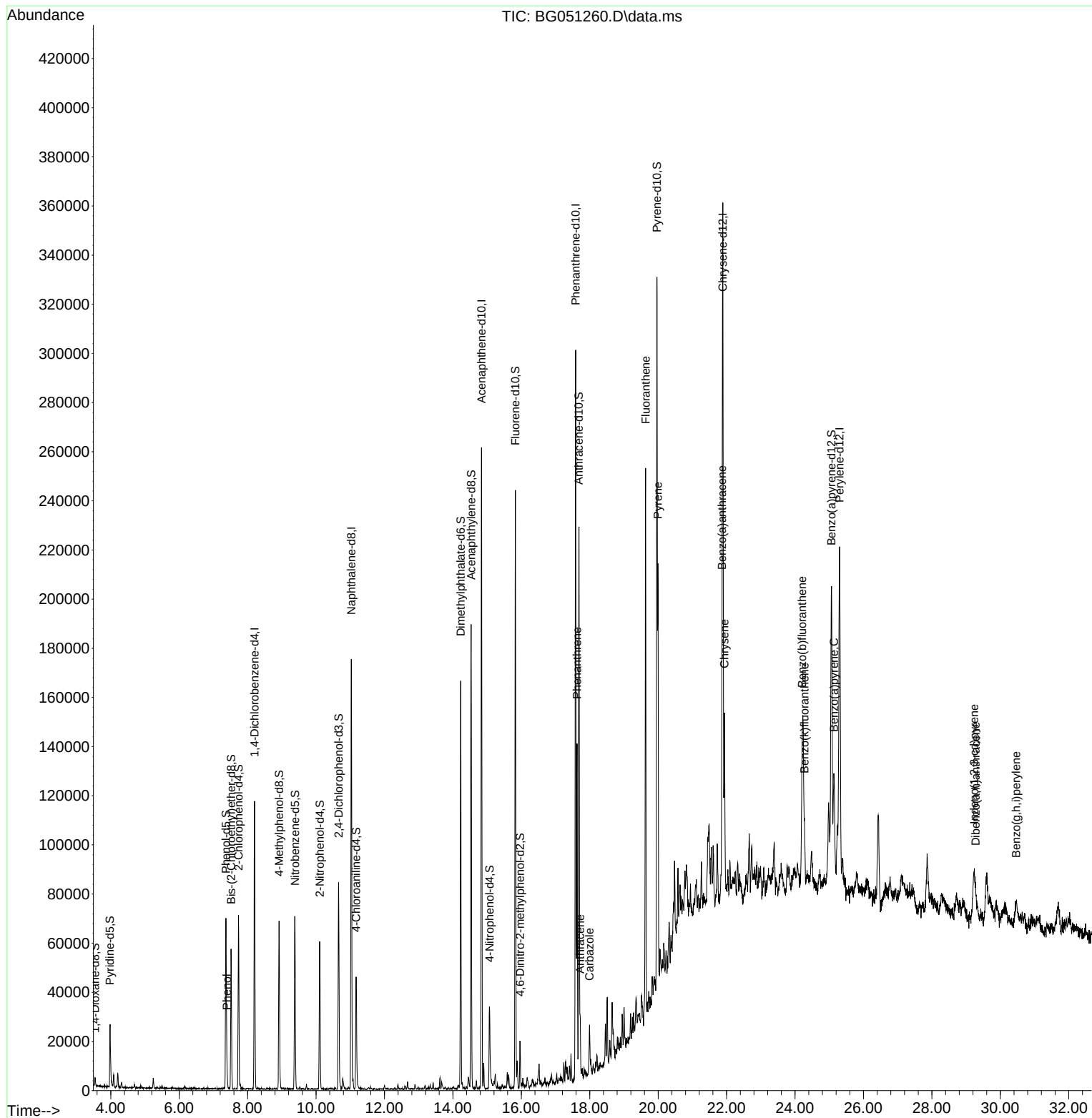
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112621\  
 Data File : BG051260.D  
 Acq On : 26 Nov 2021 16:40  
 Operator : CG/JU  
 Sample : M4702-09  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

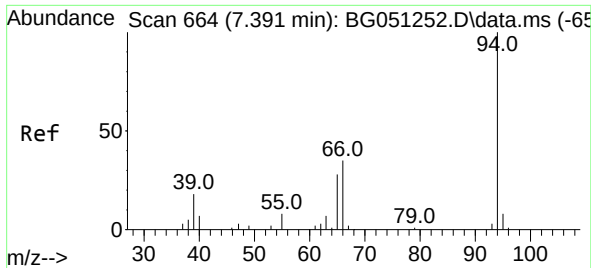
Instrument :  
 BNA\_G  
 ClientSampleId :  
 DBLP4

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021  
 Supervised By :Sohil Jodhani 11/30/2021

Quant Time: Nov 26 21:43:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG112321.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Nov 24 06:04:50 2021  
 Response via : Initial Calibration





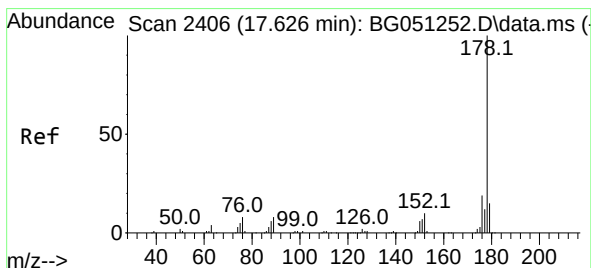
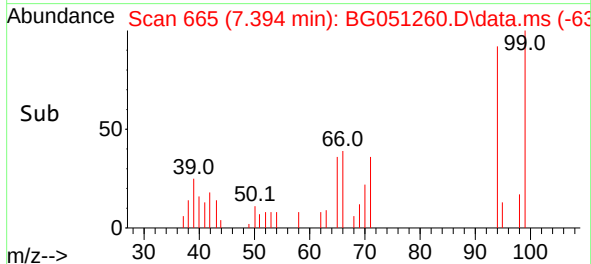
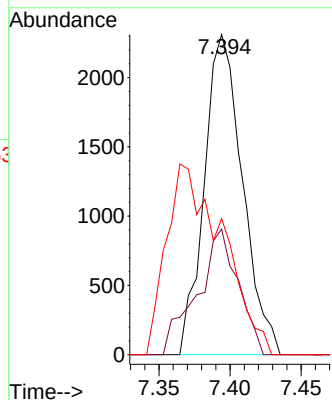
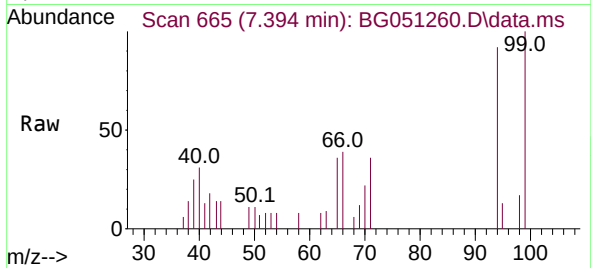
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Phenol  
Concen: 1.253 ng/ul  
RT: 7.394 min Scan# 664  
Delta R.T. 0.008 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

Instrument :  
BNA\_G  
ClientSampleId :  
DBLP4

Tgt Ion: 94 Resp: 432  
Ion Ratio Lower Upper  
94 100  
65 39.3 25.1 37.7  
66 42.5 31.6 47.4

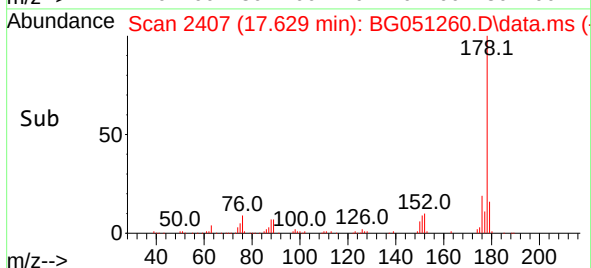
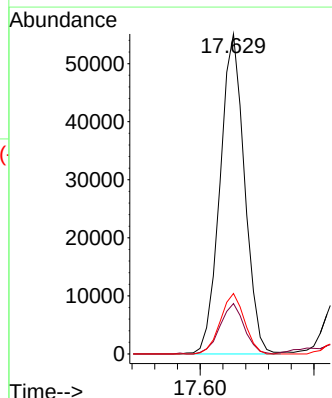
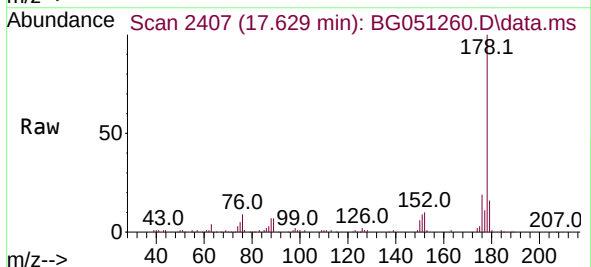
Manual Integrations  
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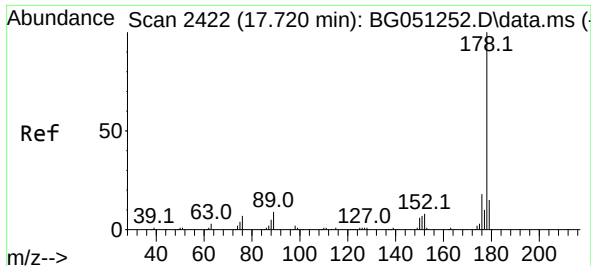
Reviewed By :Jagrut Upadhyay 11/30/2021  
Supervised By :Sohil Jodhani 11/30/2021



#72  
Phenanthrene  
Concen: 8.275 ng/ul  
RT: 17.629 min Scan# 2407  
Delta R.T. 0.008 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

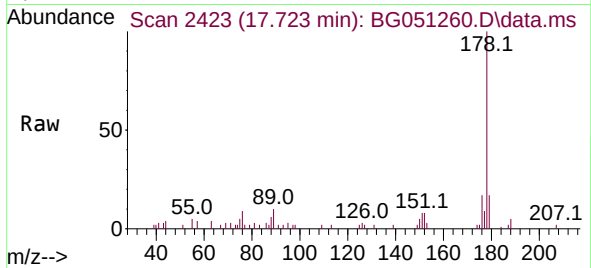
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Ion Ratio Lower Upper  
178 100  
179 15.8 12.3 18.5  
176 18.9 15.5 23.3





#74  
 Anthracene  
 Concen: 1.608 ng/ul  
 RT: 17.723 min Scan# 2423  
 Delta R.T. 0.008 min  
 Lab File: BG051260.D  
 Acq: 26 Nov 2021 16:40

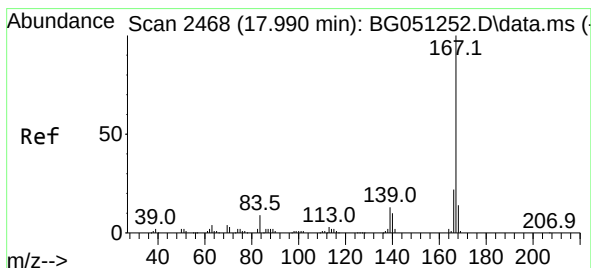
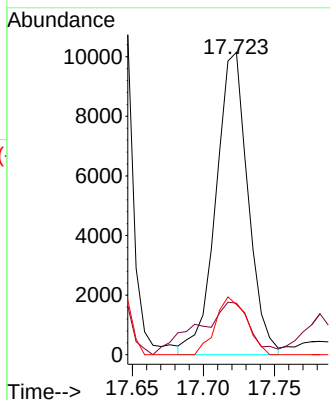
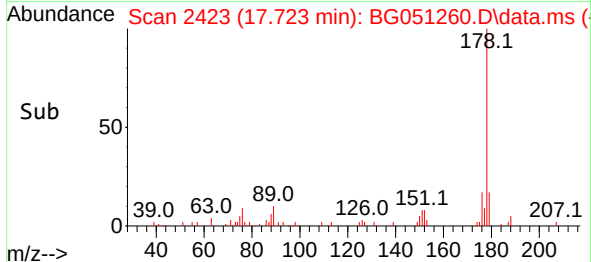
Instrument :  
 BNA\_G  
 ClientSampleId :  
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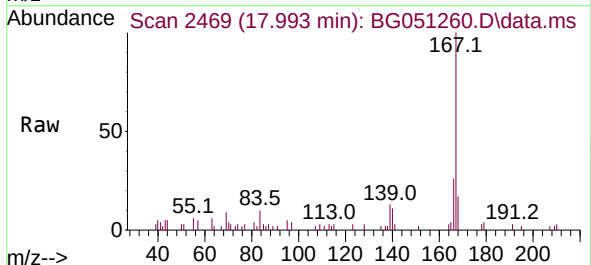
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 Ion Ratio Lower Upper  
 178 100  
 179 17.0 13.0 19.6  
 176 16.6 15.6 23.4

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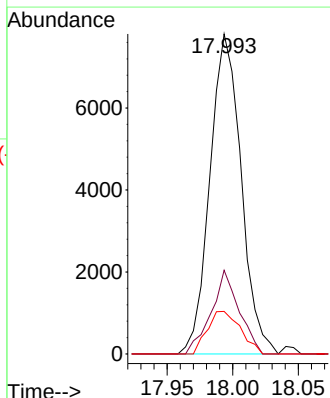
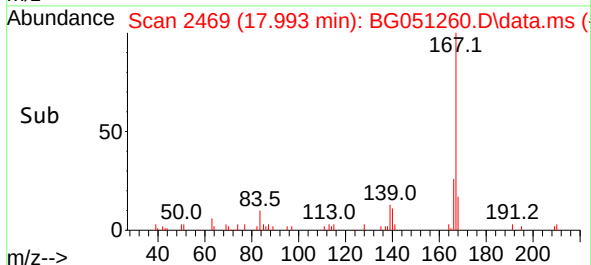
Reviewed By :Jagrut Upadhyay 11/30/2021  
 Supervised By :Sohil Jodhani 11/30/2021

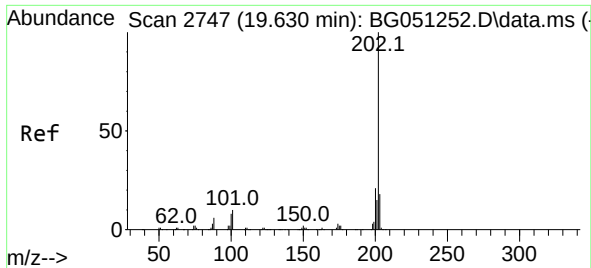


#77  
 Carbazole  
 Concen: 1.487 ng/ul  
 RT: 17.993 min Scan# 2469  
 Delta R.T. 0.008 min  
 Lab File: BG051260.D  
 Acq: 26 Nov 2021 16:40



Tgt Ion:167 Resp: 12924  
 Ion Ratio Lower Upper  
 167 100  
 166 26.2 17.3 25.9#  
 139 13.3 10.6 16.0





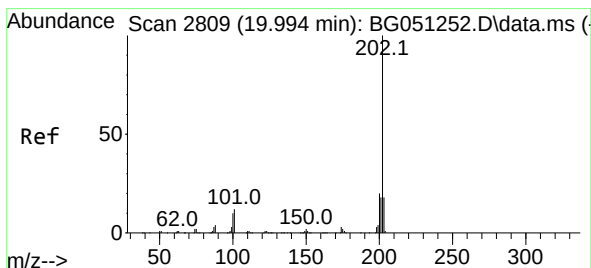
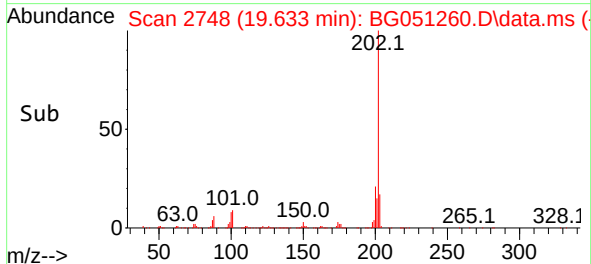
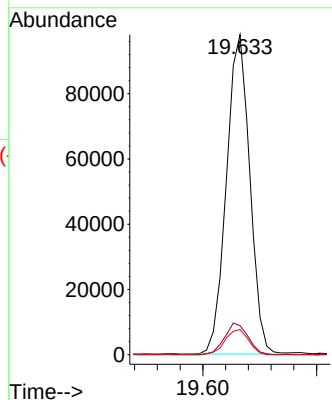
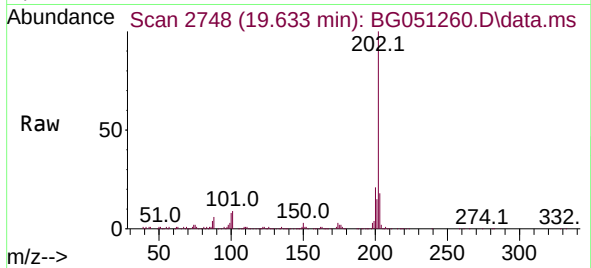
#80  
Fluoranthene  
Concen: 12.538 ng/ul  
RT: 19.633 min Scan# 21  
Delta R.T. 0.008 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

Instrument :  
BNA\_G  
ClientSampleId :  
DBLP4

Tgt Ion:202 Resp: 139678  
Ion Ratio Lower Upper  
202 100  
101 9.1 9.3 13.9  
100 7.9 7.0 10.6

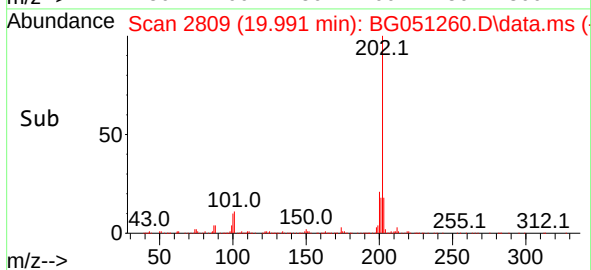
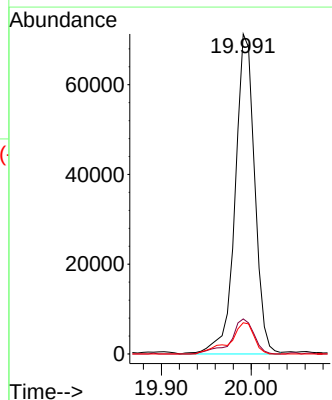
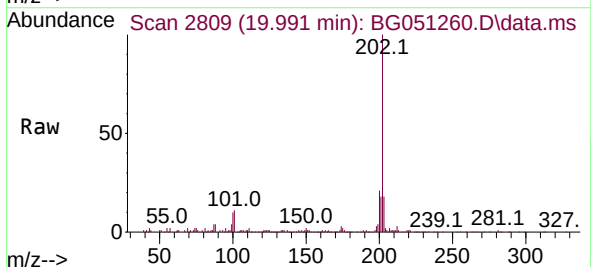
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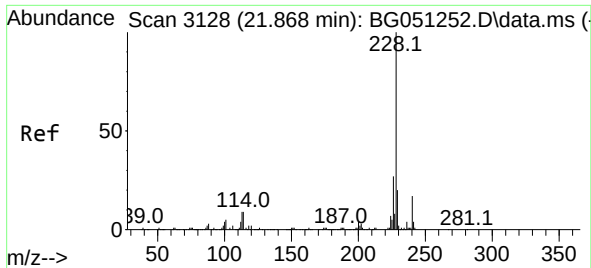
Reviewed By :Jagrut Upadhyay 11/30/2021  
Supervised By :Sohil Jodhani 11/30/2021



#82  
Pyrene  
Concen: 9.889 ng/ul  
RT: 19.991 min Scan# 2809  
Delta R.T. 0.002 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

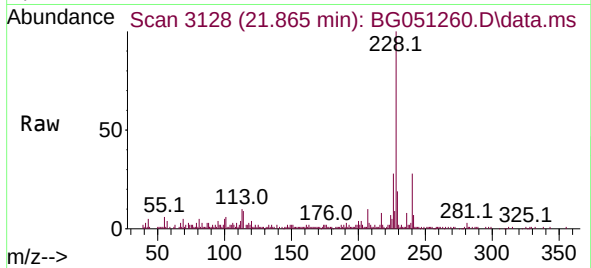
Tgt Ion:202 Resp: 107767  
Ion Ratio Lower Upper  
202 100  
101 10.9 10.7 16.1  
100 9.7 9.0 13.6





#85  
Benzo(a)anthracene  
Concen: 5.850 ng/u1  
RT: 21.865 min Scan# 3128  
Delta R.T. 0.002 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

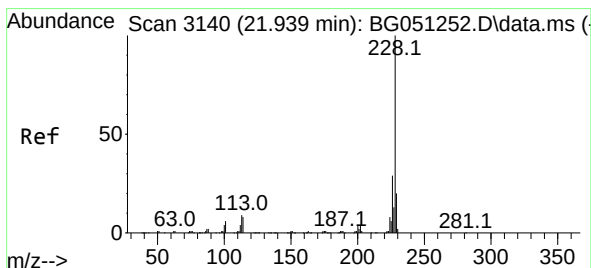
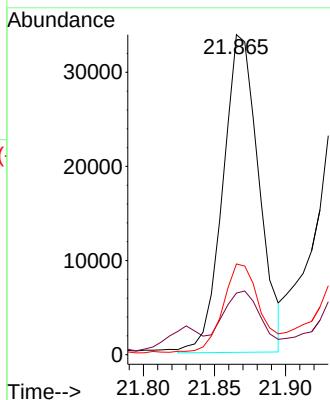
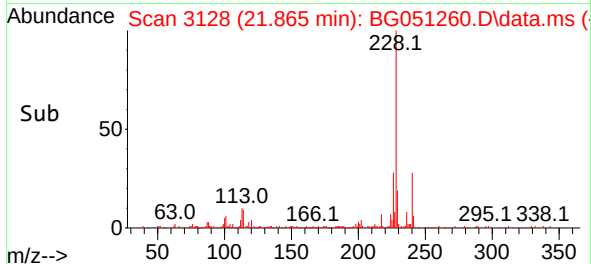
Instrument :  
BNA\_G  
ClientSampleId :  
DBLP4



Tgt Ion:228 Resp: 59479  
Ion Ratio Lower Upper  
228 100  
229 19.3 15.7 23.5  
226 28.4 22.3 33.5

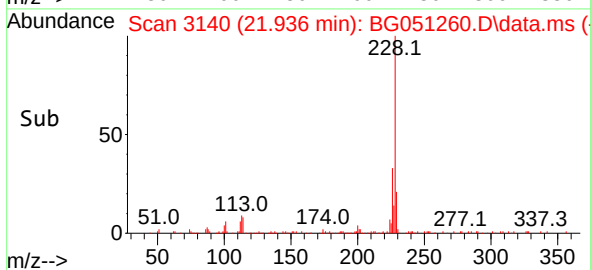
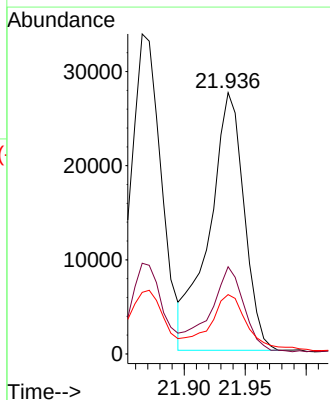
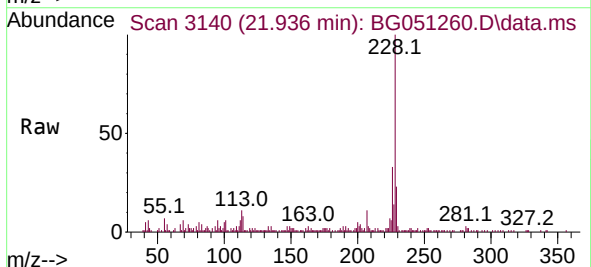
Manual Integrations  
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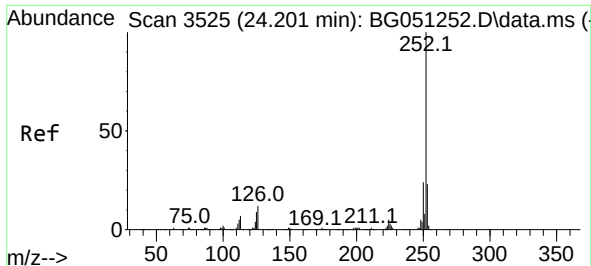
Reviewed By :Jagrut Upadhyay 11/30/2021  
Supervised By :Sohil Jodhani 11/30/2021



#87  
Chrysene  
Concen: 5.574 ng/u1  
RT: 21.936 min Scan# 3140  
Delta R.T. 0.002 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

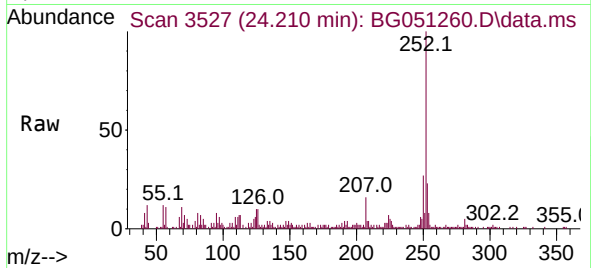
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Ion Ratio Lower Upper  
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226 33.4 24.8 37.2  
229 22.7 15.8 23.6





#90  
Benzo(b)fluoranthene  
Concen: 6.919 ng/ul  
RT: 24.210 min Scan# 3525  
Delta R.T. 0.020 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

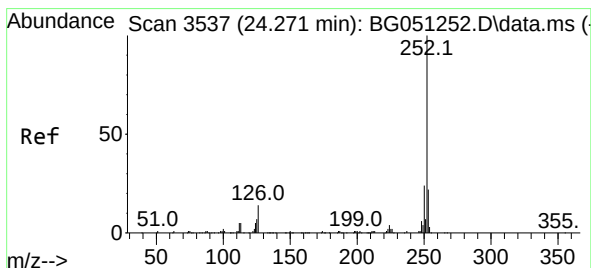
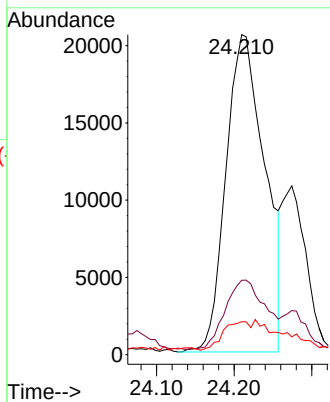
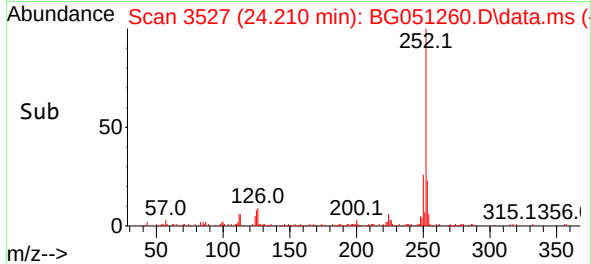
Instrument :  
BNA\_G  
ClientSampleId :  
DBLP4



Tgt Ion:252 Resp: 7134  
Ion Ratio Lower Upper  
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125 10.3 8.5 12.7

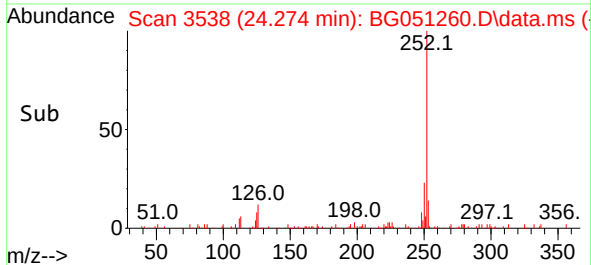
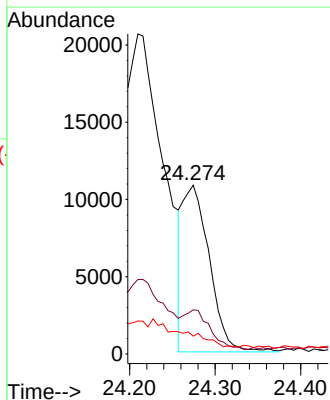
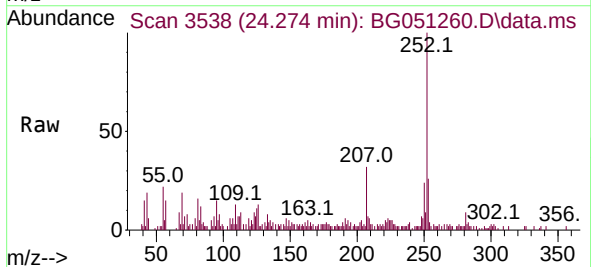
Manual Integrations  
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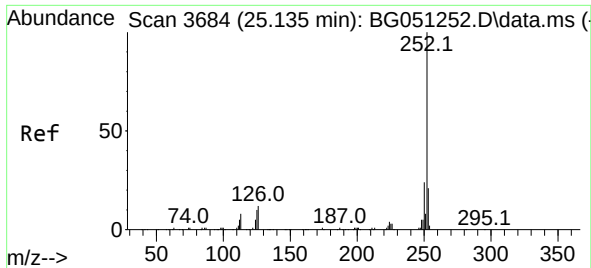
Reviewed By :Jagrut Upadhyay 11/30/2021  
Supervised By :Sohil Jodhani 11/30/2021



#91  
Benzo(k)fluoranthene  
Concen: 2.430 ng/ul m  
RT: 24.274 min Scan# 3538  
Delta R.T. 0.014 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

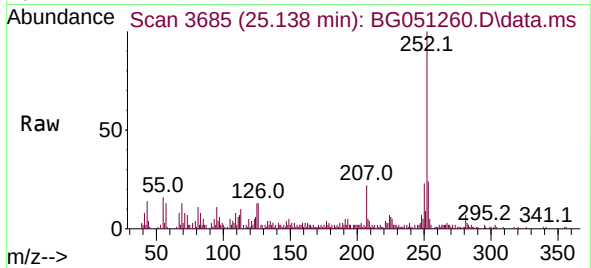
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Ion Ratio Lower Upper  
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253 26.2 17.3 25.9#  
125 10.6 7.8 11.6





#93  
Benzo(a)pyrene  
Concen: 4.645 ng/ul  
RT: 25.138 min Scan# 30  
Delta R.T. 0.014 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

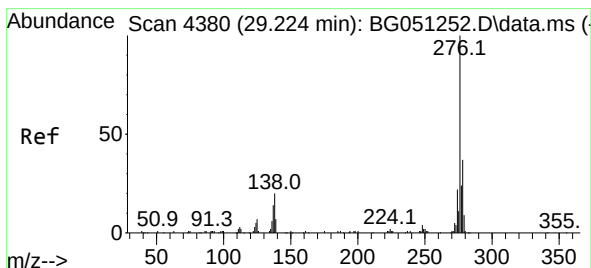
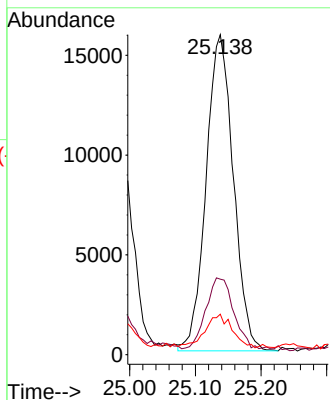
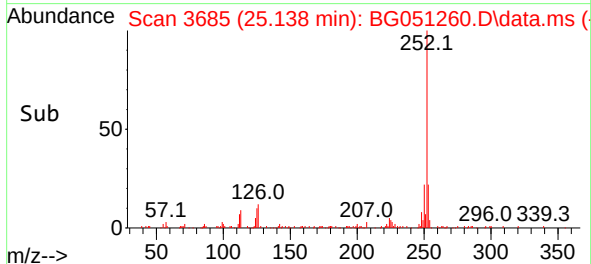
Instrument :  
BNA\_G  
ClientSampleId :  
DBLP4



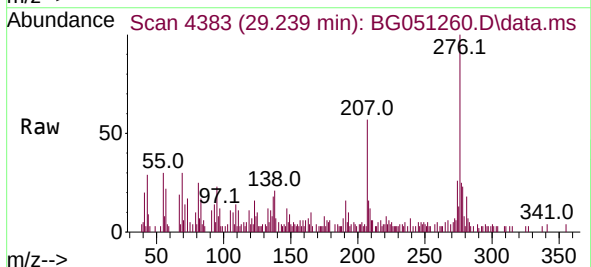
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Manual Integrations  
APPROVED

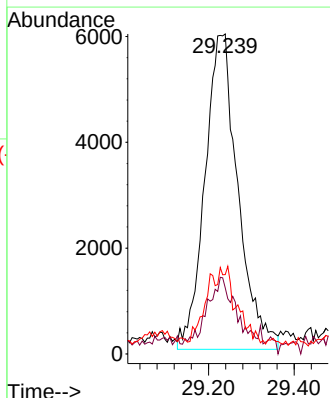
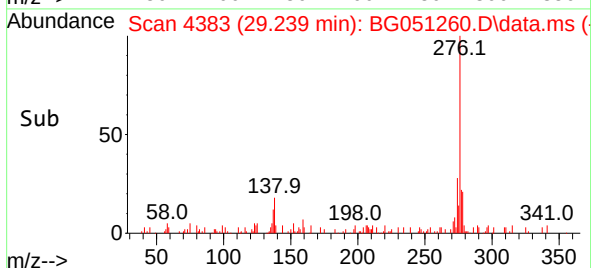
Reviewed By :Jagrut Upadhyay 11/30/2021  
Supervised By :Sohil Jodhani 11/30/2021



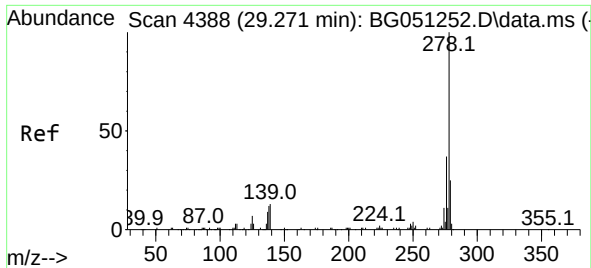
#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.906 ng/ul m  
RT: 29.239 min Scan# 4383  
Delta R.T. 0.049 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40



Tgt Ion:276 Resp: 31985  
Ion Ratio Lower Upper  
276 100  
138 20.7 15.5 23.3  
277 24.8 20.5 30.7

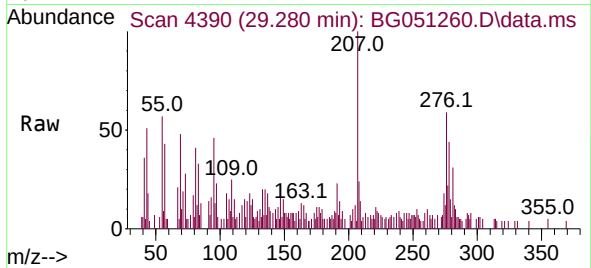






#95  
Dibenzo(a,h)anthracene  
Concen: 1.177 ng/ul m  
RT: 29.280 min Scan# 41  
Delta R.T. 0.037 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40

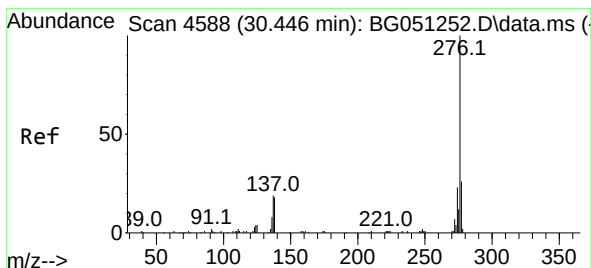
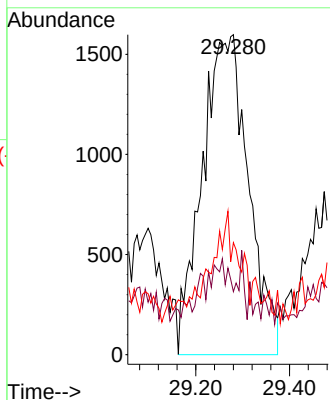
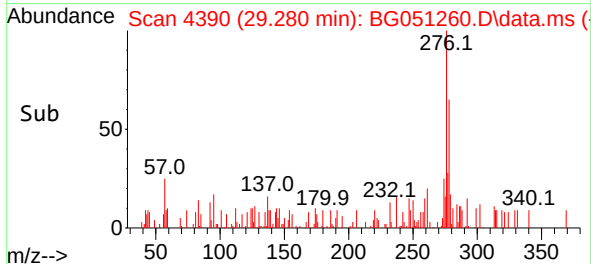
Instrument :  
BNA\_G  
ClientSampleId :  
DBLP4



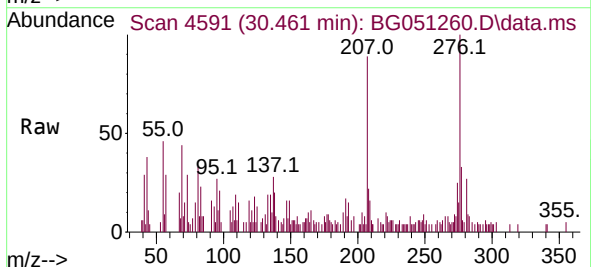
Tgt Ion:278 Resp: 1098  
Ion Ratio Lower Upper  
278 100  
139 19.7 12.2 18.4  
279 35.0 19.5 29.3

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 11/30/2021  
Supervised By :Sohil Jodhani 11/30/2021



#96  
Benzo(g,h,i)perylene  
Concen: 2.334 ng/ul  
RT: 30.461 min Scan# 4591  
Delta R.T. 0.049 min  
Lab File: BG051260.D  
Acq: 26 Nov 2021 16:40



Tgt Ion:276 Resp: 21620  
Ion Ratio Lower Upper  
276 100  
138 20.0 16.6 24.8  
277 33.2 17.6 26.4

