

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042823\  
 Data File : BG057226.D  
 Acq On : 28 Apr 2023 20:51  
 Operator : CG/JU  
 Sample : 02417-23  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW906

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/01/2023  
 Supervised By : Jagrut Upadhyay 05/01/2023

Quant Time: Apr 29 01:23:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 28 23:37:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.378  | 152  | 13763    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.215 | 136  | 60160    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.986 | 164  | 49638    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.730 | 188  | 119451   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.036 | 240  | 104761   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.543 | 264  | 111511   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.655  | 96   | 872      | 2.788  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 7.508  | 99   | 19872    | 15.268 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.679  | 67   | 13683    | 17.873 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.902  | 132  | 15205    | 17.727 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.071  | 113  | 12484    | 12.620 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.553  | 128  | 8486     | 17.713 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.281 | 143  | 9808     | 17.542 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.827 | 165  | 18683    | 17.320 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.338 | 131  | 14253    | 9.969  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.375 | 166  | 74205    | 18.867 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.687 | 160  | 85088    | 19.248 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.174 | 143  | 4506m    | 7.871  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.973 | 176  | 69874    | 19.070 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.085 | 200  | 7394     | 10.448 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.824 | 188  | 110516   | 20.269 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.091 | 212  | 126156   | 20.288 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.302 | 264  | 115881   | 20.397 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 9.200  | 105  | 2228     | 1.309  | ng/u1# | 78       |
| 72) Phenanthrene              | 17.771 | 178  | 27811    | 4.471  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.756 | 202  | 68106    | 9.220  | ng/u1# | 97       |
| 82) Pyrene                    | 20.121 | 202  | 60935    | 8.149  | ng/u1# | 97       |
| 85) Benzo(a)anthracene        | 22.012 | 228  | 36858    | 4.975  | ng/u1  | 97       |
| 87) Chrysene                  | 22.083 | 228  | 35644m   | 5.099  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 24.427 | 252  | 50115    | 6.490  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 24.485 | 252  | 17708m   | 2.357  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 25.378 | 252  | 31653    | 4.748  | ng/u1  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.578 | 276  | 26064m   | 3.128  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 30.853 | 276  | 21798m   | 3.232  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

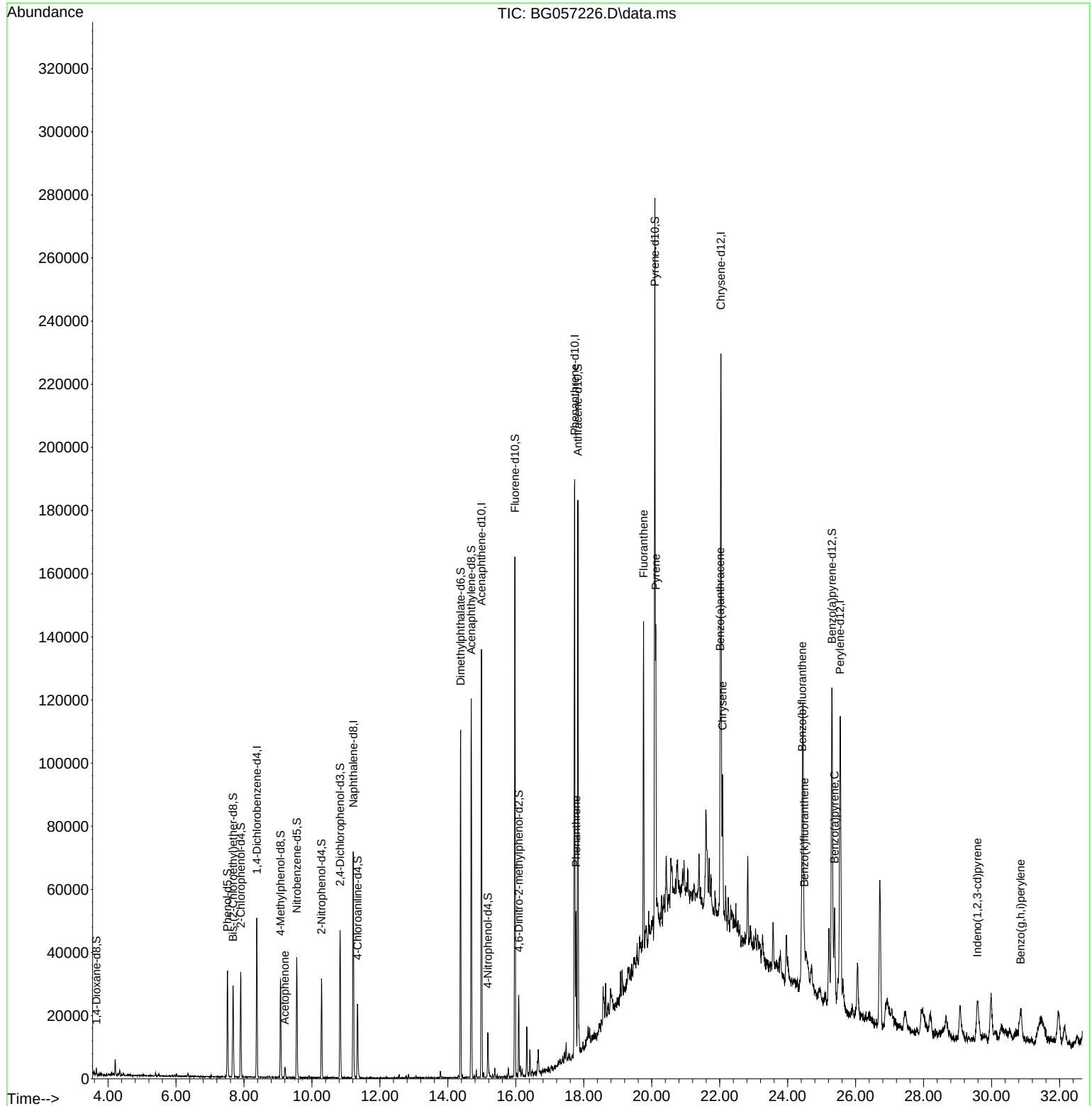
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042823\  
Data File : BG057226.D  
Acq On : 28 Apr 2023 20:51  
Operator : CG/JU  
Sample : 02417-23  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

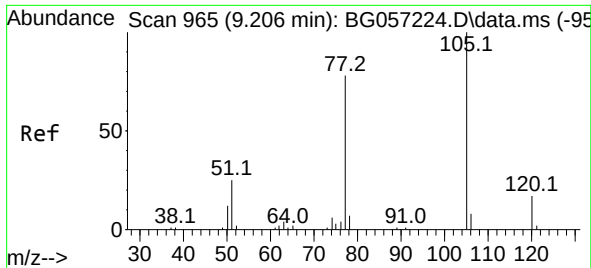
Instrument :  
BNA\_G  
ClientSampleId :  
EW906

Quant Time: Apr 29 01:23:52 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 28 23:37:02 2023  
Response via : Initial Calibration

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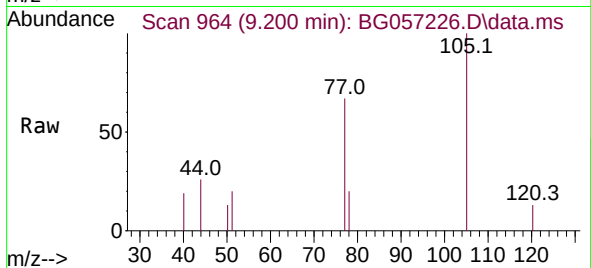
Reviewed By : Christian Giraldo 05/01/2023  
Supervised By : Jagrut Upadhyay 05/01/2023





#16  
Acetophenone  
Concen: 1.309 ng/ul  
RT: 9.200 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

Instrument :  
BNA\_G  
ClientSampleId :  
EW906

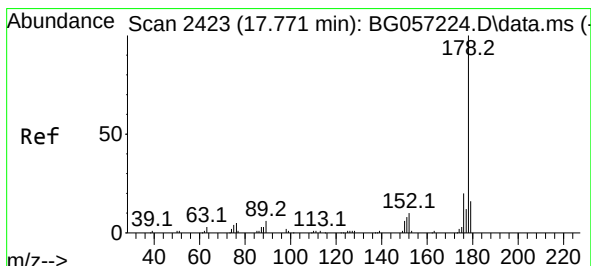
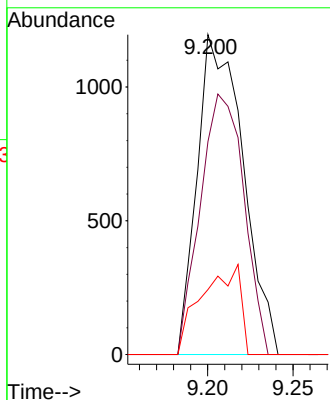
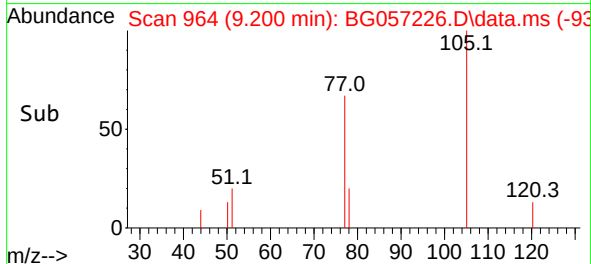


Tgt Ion:105 Resp: 2228

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 77  | 66.6  | 70.6  | 105.8 |
| 51  | 20.3  | 24.5  | 36.7  |

Manual Integrations  
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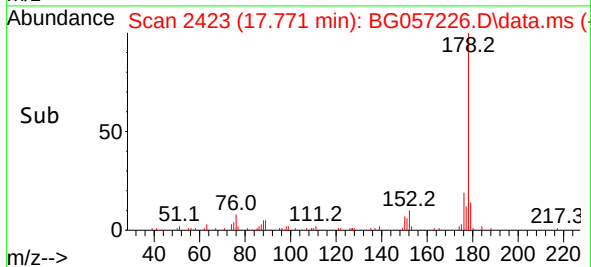
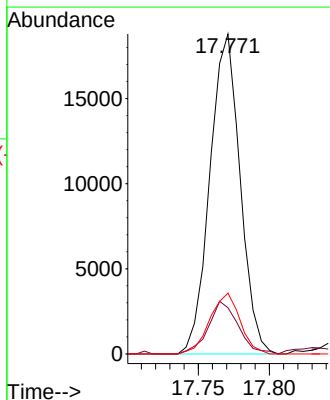
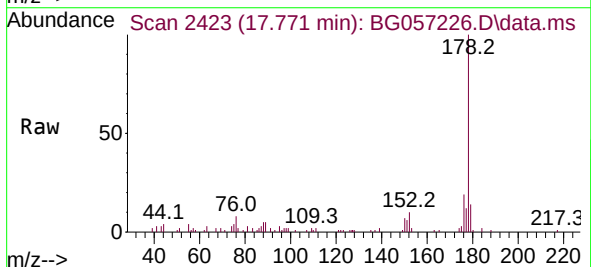
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

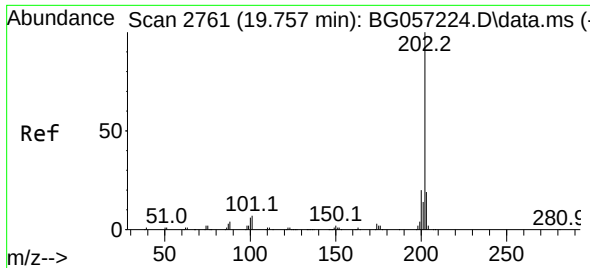


#72  
Phenanthrene  
Concen: 4.471 ng/ul  
RT: 17.771 min Scan# 2423  
Delta R.T. -0.000 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

Tgt Ion:178 Resp: 27811

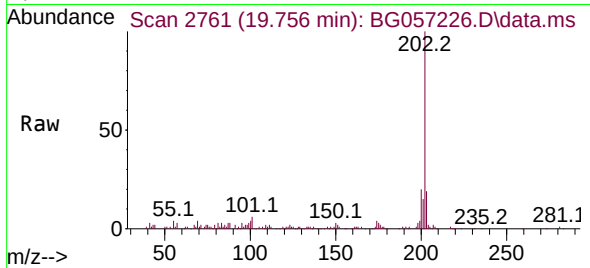
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 14.4  | 11.8  | 17.8  |
| 176 | 19.0  | 15.4  | 23.0  |





#80  
Fluoranthene  
Concen: 9.220 ng/u1  
RT: 19.756 min Scan# 2761  
Delta R.T. -0.000 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

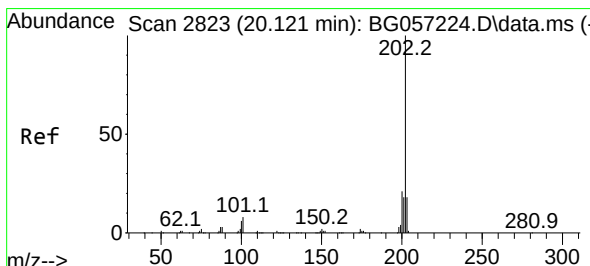
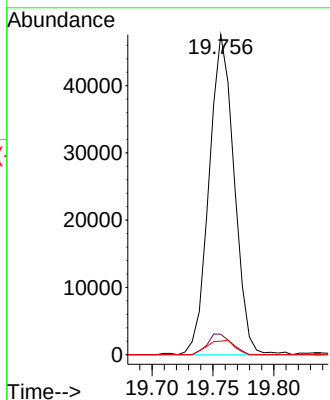
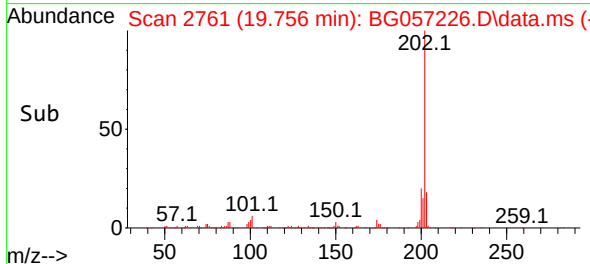
Instrument :  
BNA\_G  
ClientSampleId :  
EW906



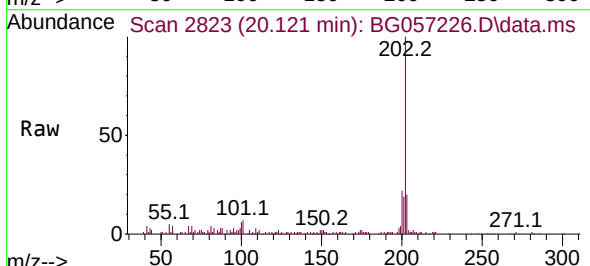
Tgt Ion:202 Resp: 68100  
Ion Ratio Lower Upper  
202 100  
101 6.4 5.8 8.6  
100 4.2 4.6 7.0

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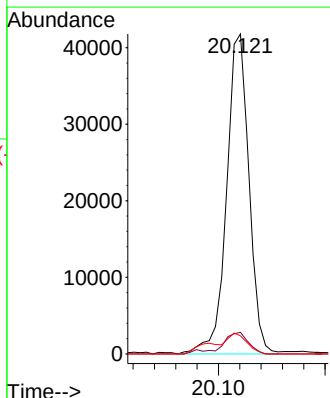
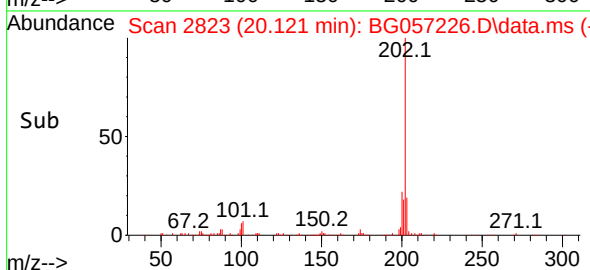
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

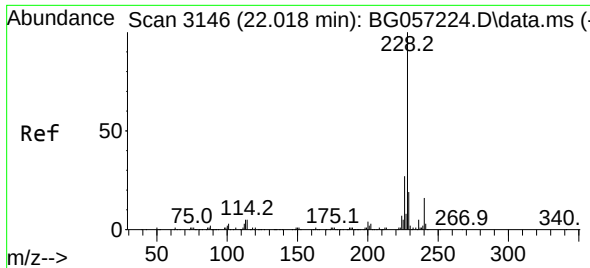


#82  
Pyrene  
Concen: 8.149 ng/u1  
RT: 20.121 min Scan# 2823  
Delta R.T. -0.000 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51



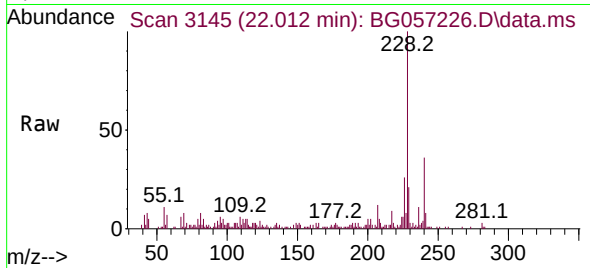
Tgt Ion:202 Resp: 60935  
Ion Ratio Lower Upper  
202 100  
101 6.7 5.7 8.5  
100 5.6 6.0 9.0





#85  
Benzo(a)anthracene  
Concen: 4.975 ng/ul  
RT: 22.012 min Scan# 3145  
Delta R.T. -0.000 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

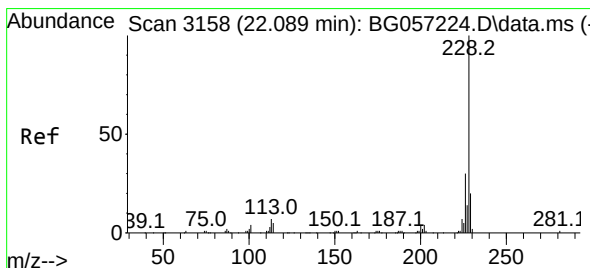
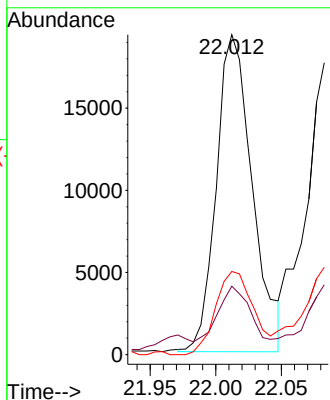
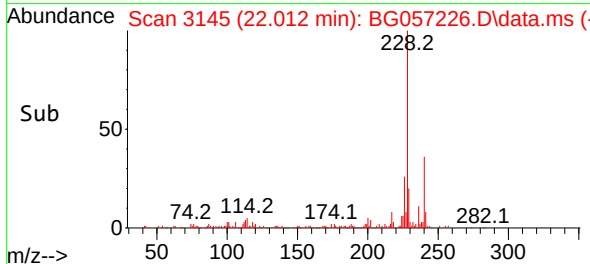
Instrument :  
BNA\_G  
ClientSampleId :  
EW906



Tgt Ion:228 Resp: 36858  
Ion Ratio Lower Upper  
228 100  
229 21.4 15.8 23.6  
226 26.0 21.7 32.5

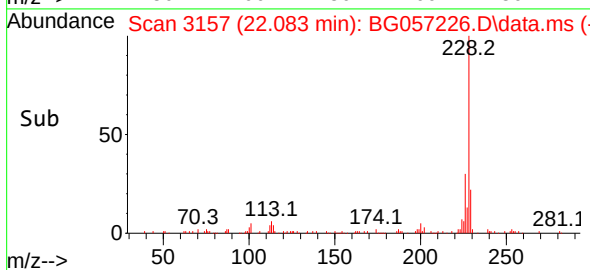
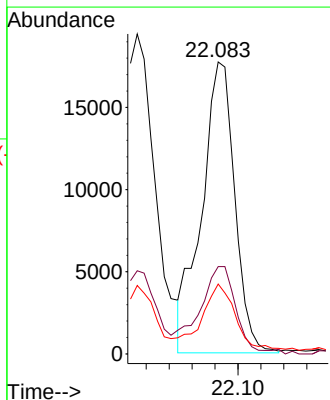
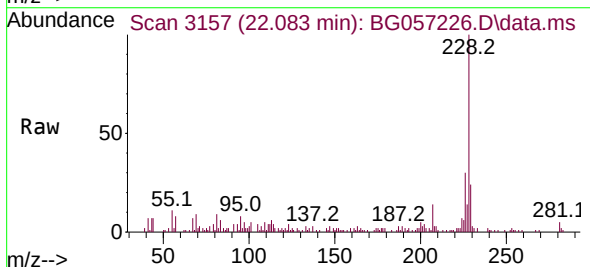
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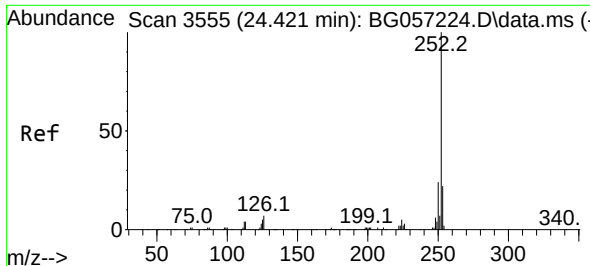
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#87  
Chrysene  
Concen: 5.099 ng/ul m  
RT: 22.083 min Scan# 3157  
Delta R.T. -0.006 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

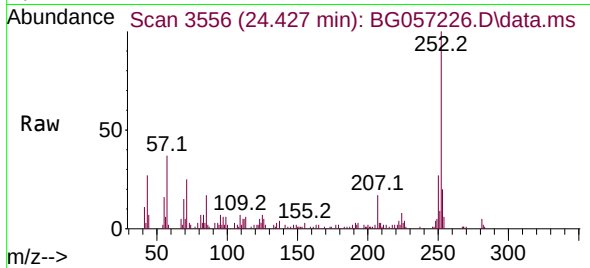
Tgt Ion:228 Resp: 35644  
Ion Ratio Lower Upper  
228 100  
226 29.9 22.8 34.2  
229 24.0 15.5 23.3#





#90  
Benzo(b)fluoranthene  
Concen: 6.490 ng/ul  
RT: 24.427 min Scan# 3555  
Delta R.T. 0.006 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

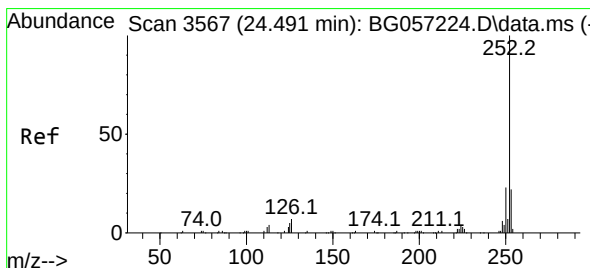
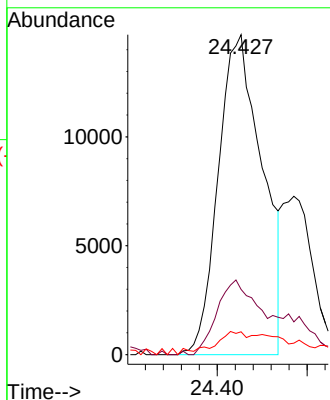
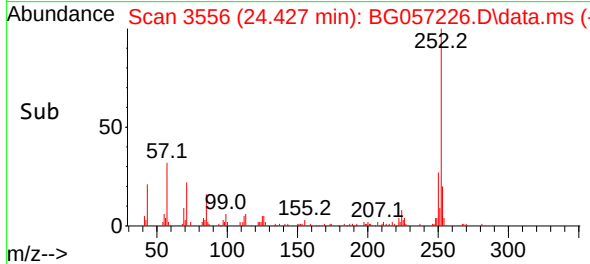
Instrument :  
BNA\_G  
ClientSampleId :  
EW906



Tgt Ion:252 Resp: 50115  
Ion Ratio Lower Upper  
252 100  
253 20.4 16.7 25.1  
125 7.1 4.8 7.2

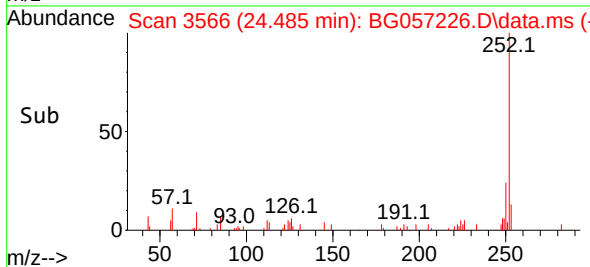
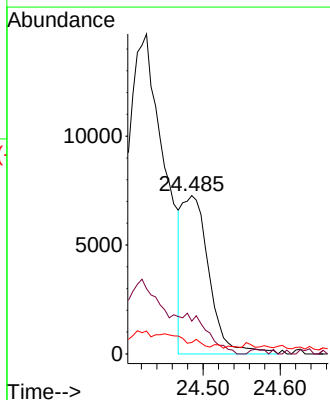
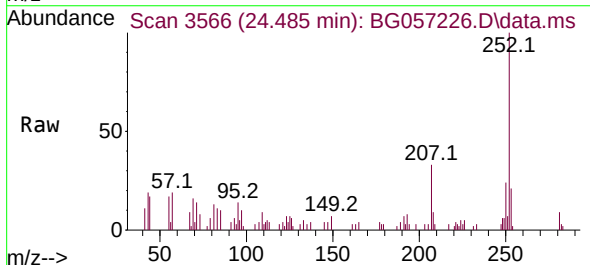
Manual Integrations  
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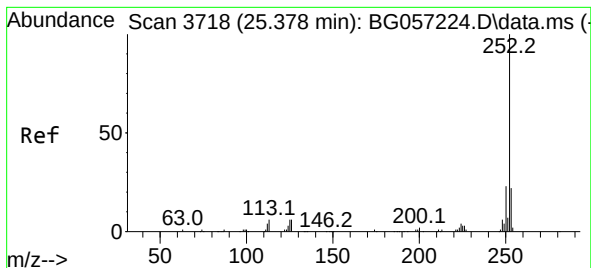
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#91  
Benzo(k)fluoranthene  
Concen: 2.357 ng/ul m  
RT: 24.485 min Scan# 3566  
Delta R.T. -0.006 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

Tgt Ion:252 Resp: 17708  
Ion Ratio Lower Upper  
252 100  
253 20.6 17.7 26.5  
125 7.3 4.5 6.7#





#93

Benzo(a)pyrene

Concen: 4.748 ng/ul

RT: 25.378 min Scan# 31653

Delta R.T. -0.000 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

Instrument :

BNA\_G

ClientSampleId :

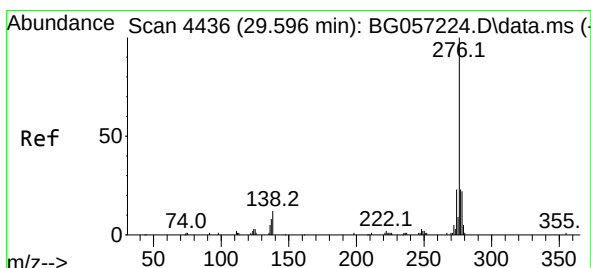
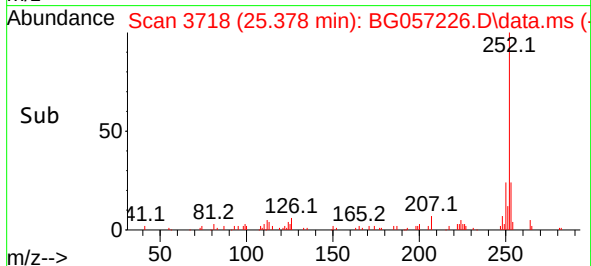
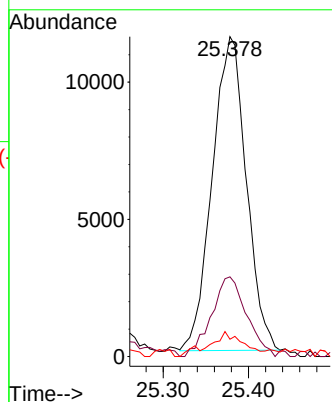
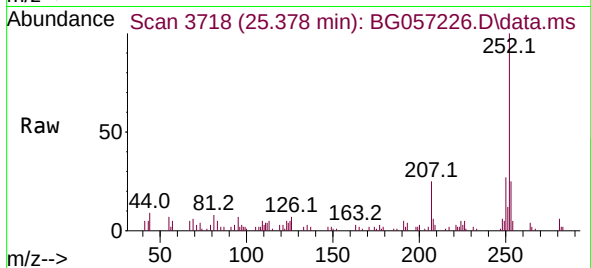
EW906

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 31653 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.9  | 17.2  | 25.8  |
| 125       | 5.4   | 5.1   | 7.7   |

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/01/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.128 ng/ul m

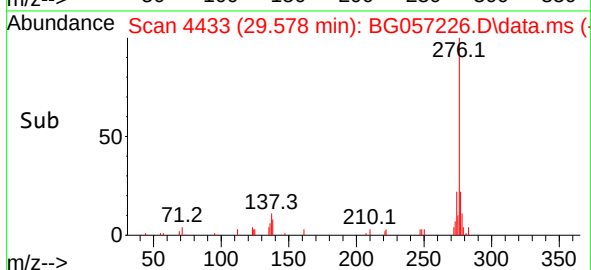
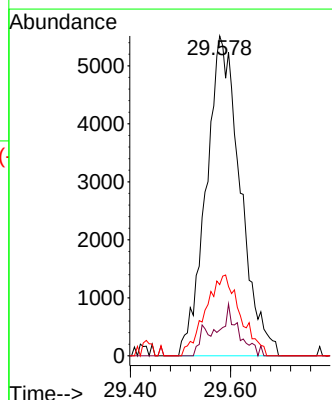
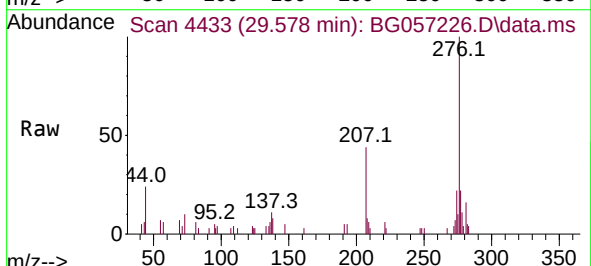
RT: 29.578 min Scan# 4433

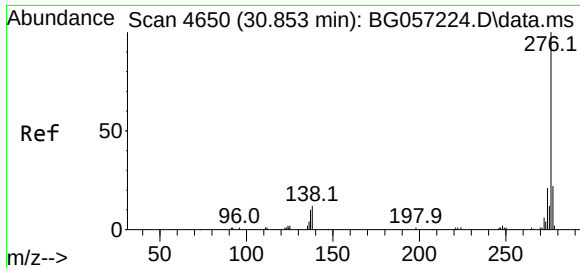
Delta R.T. -0.012 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

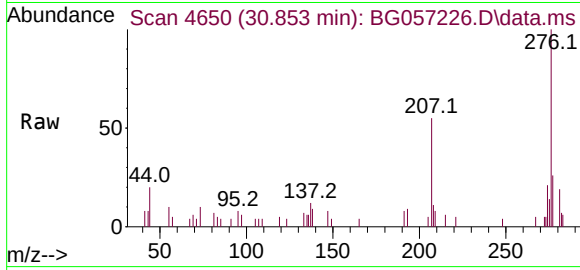
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|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 26064 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 8.1   | 9.4   | 14.2# |
| 277       | 22.3  | 18.6  | 28.0  |





#96  
 Benzo(g,h,i)perylene  
 Concen: 3.232 ng/ul m  
 RT: 30.853 min Scan# 4650  
 Delta R.T. -0.006 min  
 Lab File: BG057226.D  
 Acq: 28 Apr 2023 20:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW906



Tgt Ion:276 Resp: 21798  
 Ion Ratio Lower Upper  
 276 100  
 138 9.2 8.7 13.1  
 277 25.5 18.4 27.6

Manual Integrations  
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 Supervised By :Jagrut Upadhyay 05/01/2023

