

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058327.D  
 Acq On : 19 Jul 2023 13:45  
 Operator : CG/JU  
 Sample : 03501-12  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46X7

Quant Time: Jul 19 22:36:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

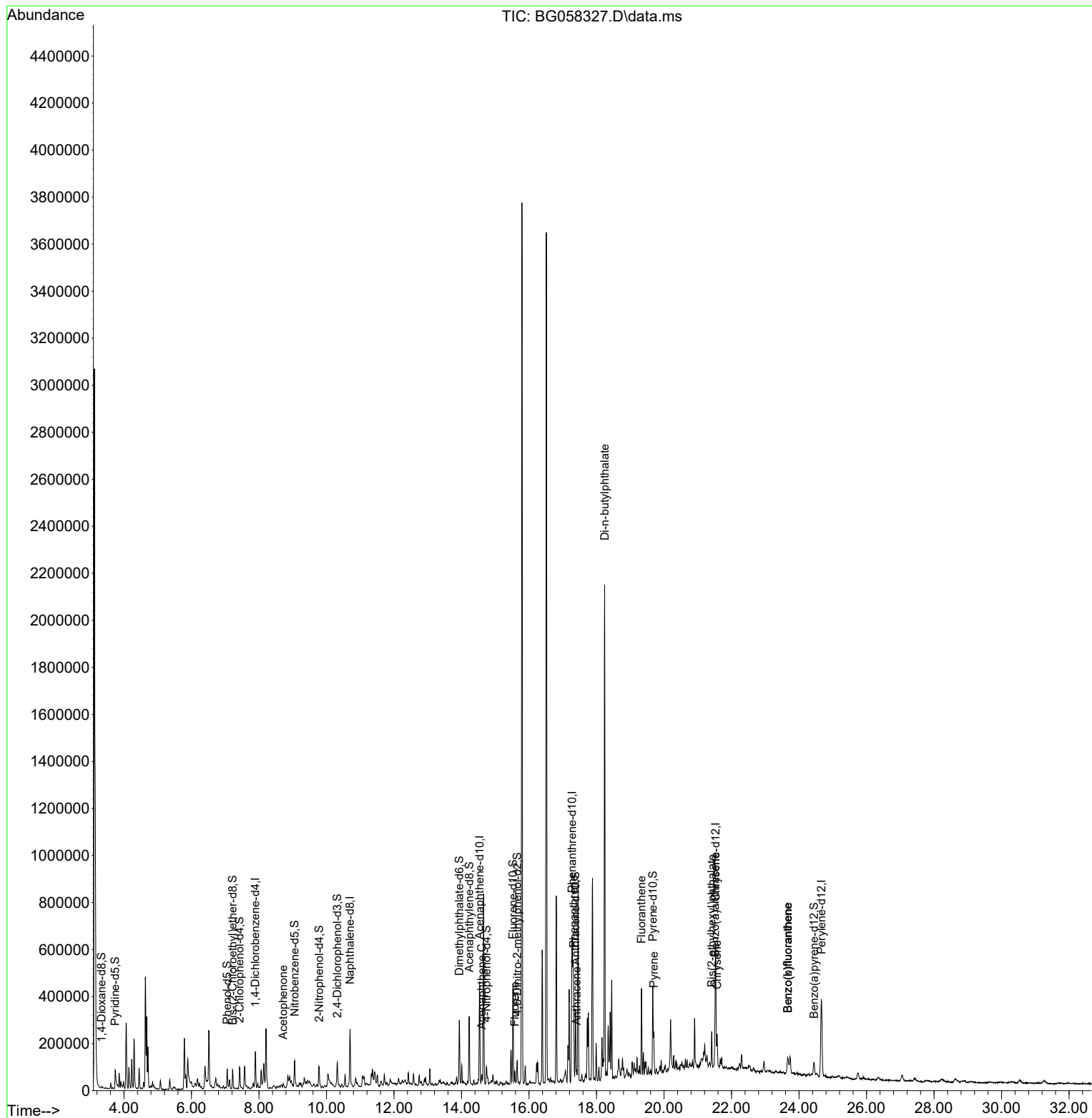
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.894  | 152  | 43900    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.696 | 136  | 206432   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.533 | 164  | 153453   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.277 | 188  | 369225   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.531 | 240  | 280520   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.662 | 264  | 337324   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.334  | 96   | 3068     | 2.572  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.740  | 84   | 40654    | 11.483 | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 7.059  | 99   | 52035    | 12.495 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.218  | 67   | 40697    | 15.635 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.424  | 132  | 42848    | 14.698 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 2836     | 0.893  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 24984    | 16.147 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.780  | 143  | 29202    | 17.287 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.320 | 165  | 39874    | 12.313 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.808 | 131  | 608      | 0.130  | ng/ul  | -0.03    |
| 46) Dimethylphthalate-d6      | 13.934 | 166  | 190613   | 16.108 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.227 | 160  | 193603   | 15.612 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 21082    | 11.797 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.526 | 176  | 176480   | 18.014 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.649 | 200  | 23254    | 12.362 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.377 | 188  | 178569   | 11.193 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.668 | 212  | 170292   | 10.278 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.445 | 264  | 62095    | 3.809  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.716  | 105  | 6106     | 1.129  | ng/ul# | 95       |
| 52) Acenaphthene              | 14.598 | 153  | 16674    | 1.794  | ng/ul  | 93       |
| 61) Fluorene                  | 15.579 | 166  | 23193    | 2.137  | ng/ul# | 98       |
| 72) Phenanthrene              | 17.324 | 178  | 226104   | 12.886 | ng/ul  | 99       |
| 74) Anthracene                | 17.412 | 178  | 32772    | 1.860  | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.240 | 149  | 1583186  | 81.596 | ng/ul  | 97       |
| 80) Fluoranthene              | 19.333 | 202  | 227082   | 11.964 | ng/ul  | 98       |
| 82) Pyrene                    | 19.697 | 202  | 115799   | 6.021  | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.513 | 228  | 89139    | 4.728  | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.413 | 149  | 43286    | 4.019  | ng/ul  | 95       |
| 87) Chrysene                  | 21.572 | 228  | 88388    | 4.942  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.669 | 252  | 91566    | 4.692  | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.669 | 252  | 91566    | 4.704  | ng/ul  | 97       |

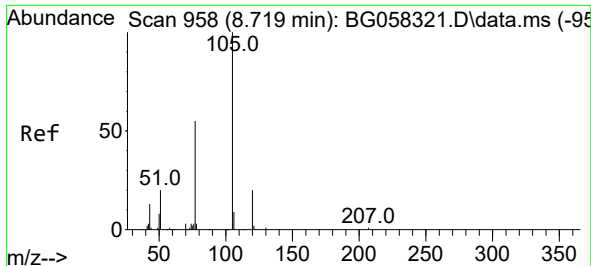
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 18 02:19:39 2023  
Response via : Initial Calibration

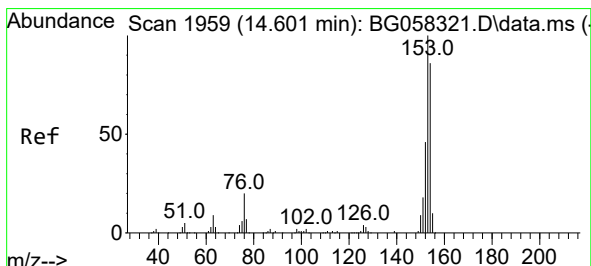
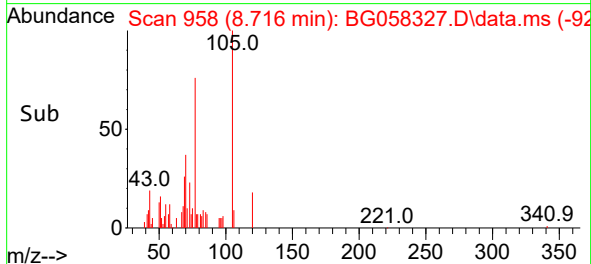
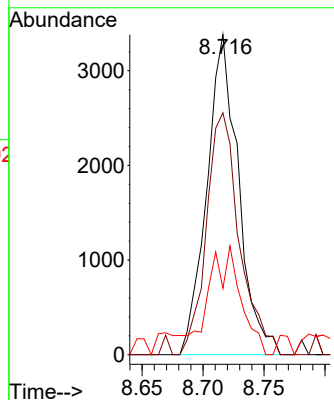
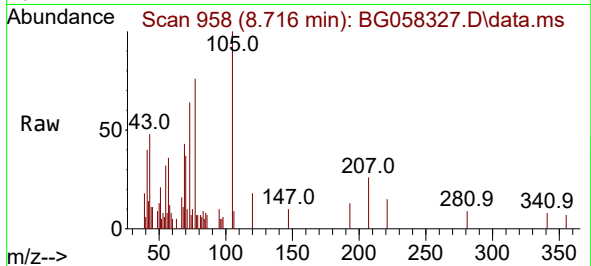




#16  
Acetophenone  
Concen: 1.129 ng/ul  
RT: 8.716 min Scan# 916  
Delta R.T. -0.005 min  
Lab File: BG058327.D  
Acq: 19 Jul 2023 13:45

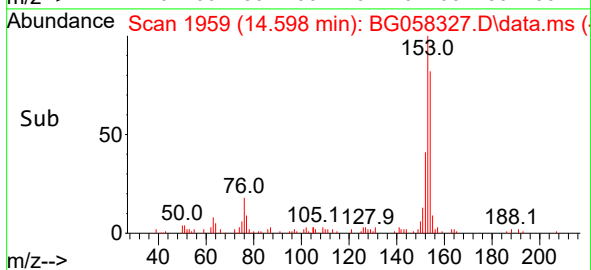
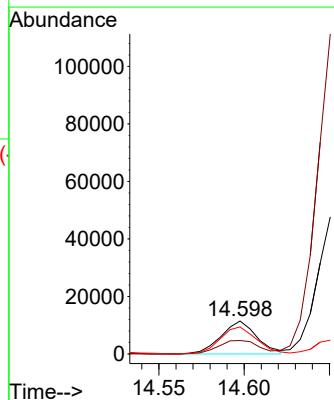
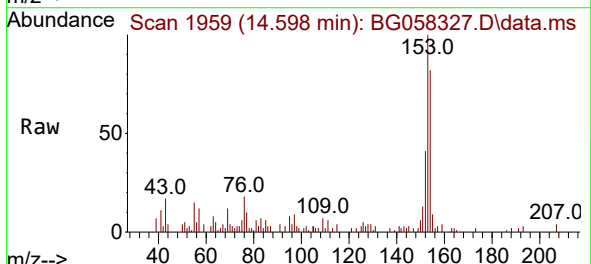
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BNA\_G  
ClientSampleId :  
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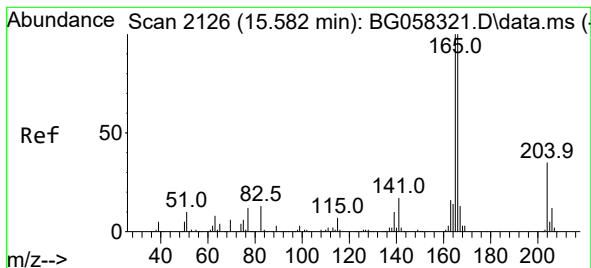
Tgt Ion:105 Resp: 6106  
Ion Ratio Lower Upper  
105 100  
77 75.6 60.7 91.1  
51 20.8 23.5 35.3#



#52  
Acenaphthene  
Concen: 1.794 ng/ul  
RT: 14.598 min Scan# 1959  
Delta R.T. -0.005 min  
Lab File: BG058327.D  
Acq: 19 Jul 2023 13:45

Tgt Ion:153 Resp: 16674  
Ion Ratio Lower Upper  
153 100  
152 40.8 39.1 58.7  
154 82.0 68.7 103.1





#61

Fluorene

Concen: 2.137 ng/ul

RT: 15.579 min Scan# 2126

Delta R.T. -0.005 min

Lab File: BG058327.D

Acq: 19 Jul 2023 13:45

Instrument :

BNA\_G

ClientSampleId :

A46X7

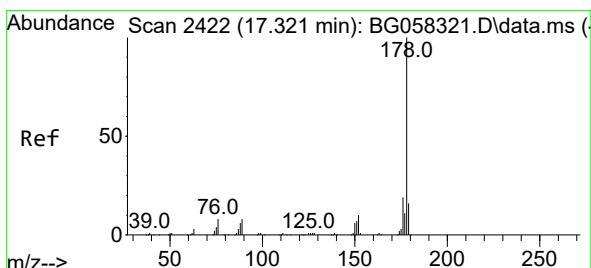
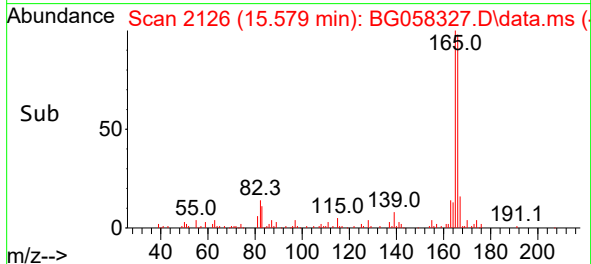
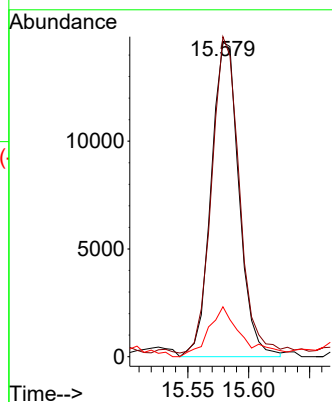
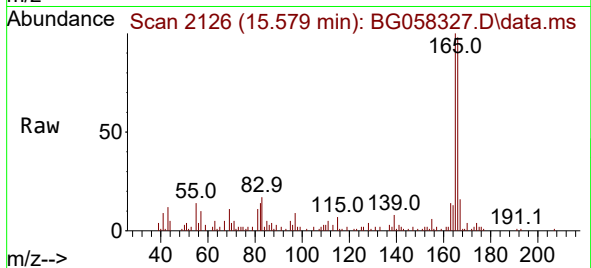
Tgt Ion:166 Resp: 23193

Ion Ratio Lower Upper

166 100

165 101.8 80.2 120.2

167 15.9 10.5 15.7#



#72

Phenanthrene

Concen: 12.886 ng/ul

RT: 17.324 min Scan# 2423

Delta R.T. 0.001 min

Lab File: BG058327.D

Acq: 19 Jul 2023 13:45

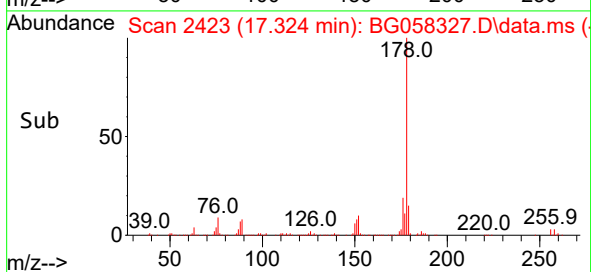
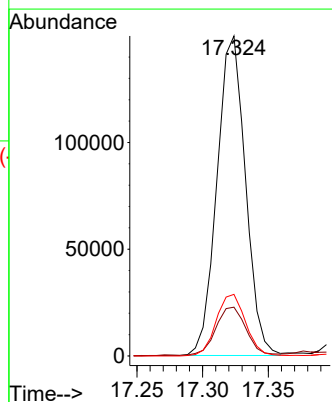
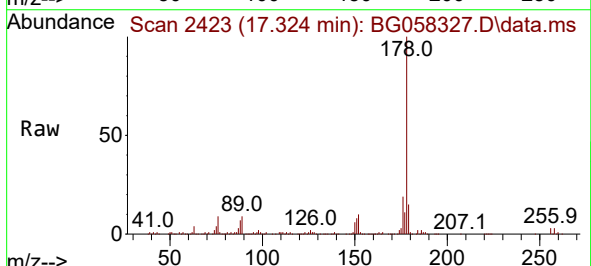
Tgt Ion:178 Resp: 226104

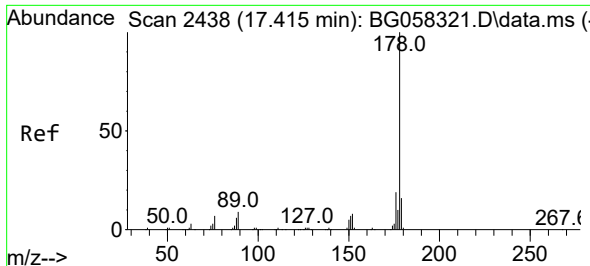
Ion Ratio Lower Upper

178 100

179 15.3 11.9 17.9

176 19.2 15.8 23.8

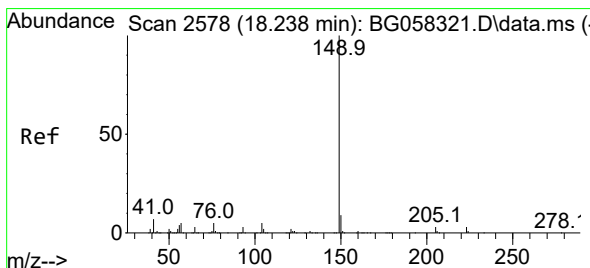
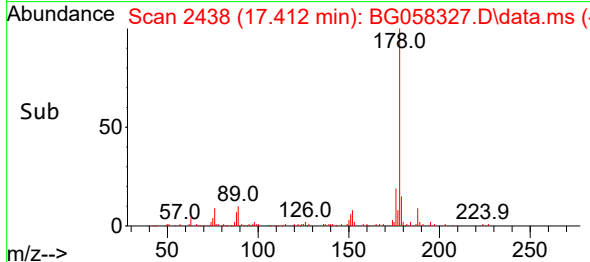
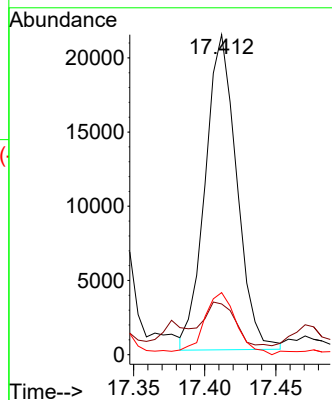
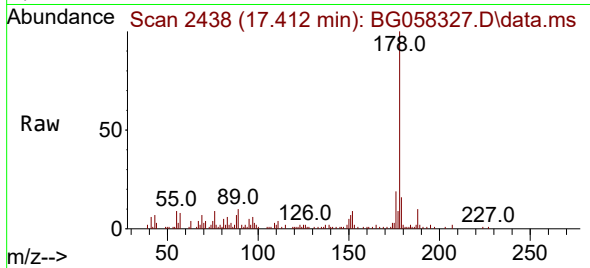




#74  
 Anthracene  
 Concen: 1.860 ng/ul  
 RT: 17.412 min Scan# 2438  
 Delta R.T. -0.005 min  
 Lab File: BG058327.D  
 Acq: 19 Jul 2023 13:45

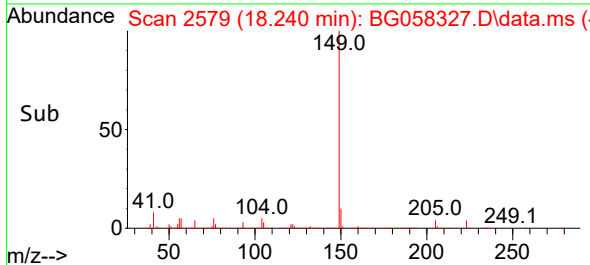
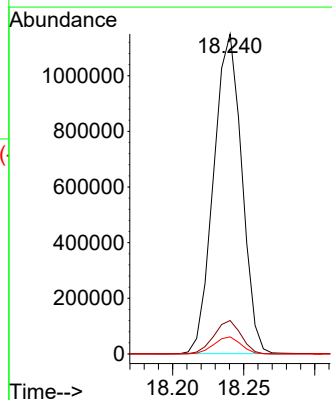
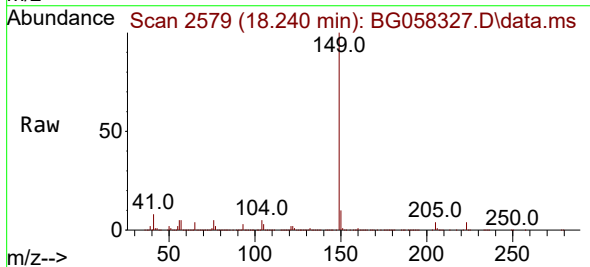
Instrument :  
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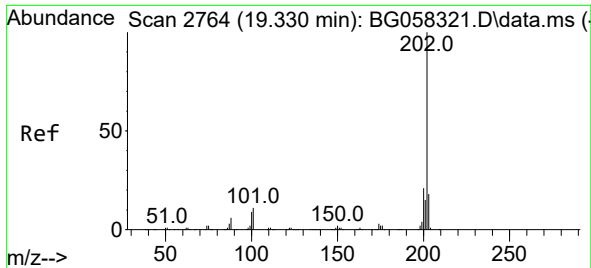
Tgt Ion:178 Resp: 32772  
 Ion Ratio Lower Upper  
 178 100  
 179 15.9 13.4 20.2  
 176 19.4 16.2 24.2



#78  
 Di-n-butylphthalate  
 Concen: 81.596 ng/ul  
 RT: 18.240 min Scan# 2579  
 Delta R.T. 0.001 min  
 Lab File: BG058327.D  
 Acq: 19 Jul 2023 13:45

Tgt Ion:149 Resp: 1583186  
 Ion Ratio Lower Upper  
 149 100  
 150 10.5 7.2 10.8  
 104 5.3 3.9 5.9

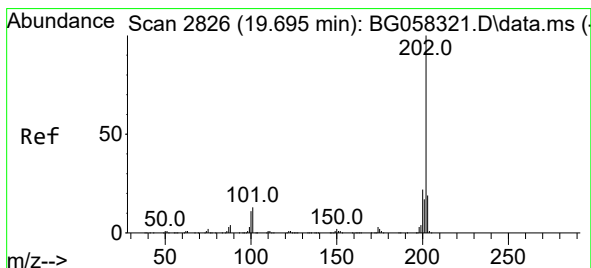
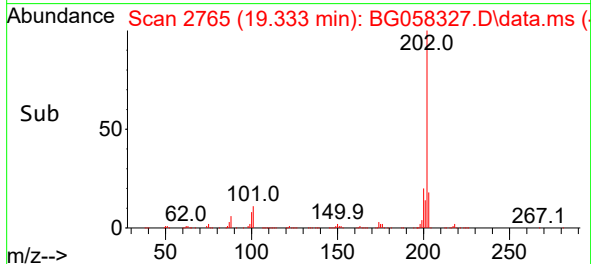
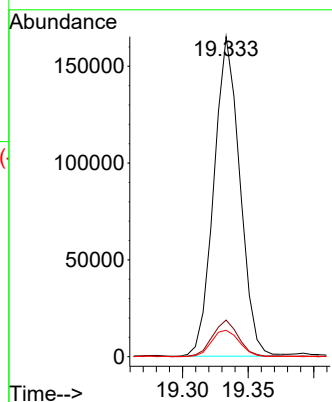
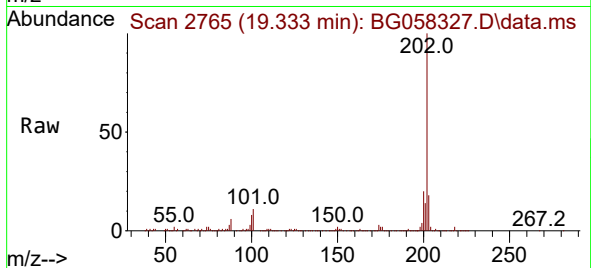




#80  
Fluoranthene  
Concen: 11.964 ng/ul  
RT: 19.333 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG058327.D  
Acq: 19 Jul 2023 13:45

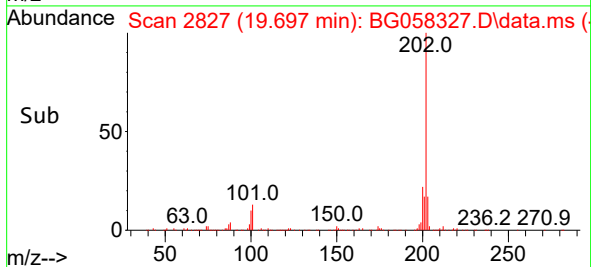
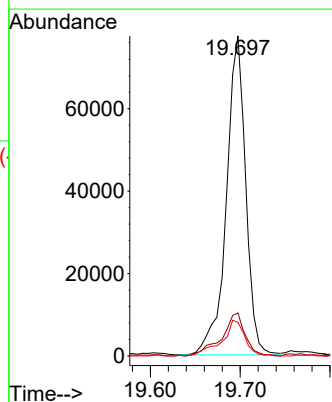
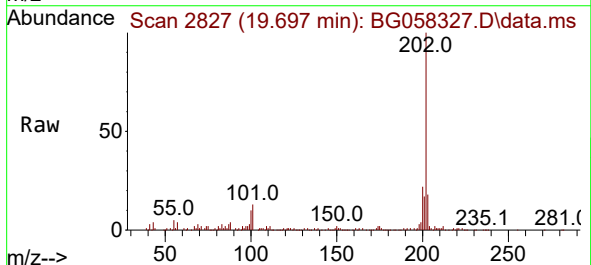
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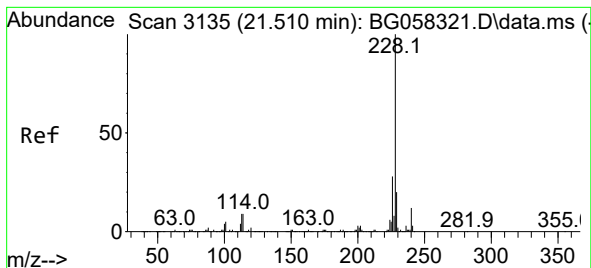
Tgt Ion:202 Resp: 227082  
Ion Ratio Lower Upper  
202 100  
101 11.5 8.6 12.8  
100 8.3 7.2 10.8



#82  
Pyrene  
Concen: 6.021 ng/ul  
RT: 19.697 min Scan# 2827  
Delta R.T. 0.001 min  
Lab File: BG058327.D  
Acq: 19 Jul 2023 13:45

Tgt Ion:202 Resp: 115799  
Ion Ratio Lower Upper  
202 100  
101 13.5 10.2 15.2  
100 10.5 8.9 13.3





#85

Benzo(a)anthracene

Concen: 4.728 ng/ul

RT: 21.513 min Scan# 3135

Delta R.T. 0.001 min

Lab File: BG058327.D

Acq: 19 Jul 2023 13:45

Instrument :

BNA\_G

ClientSampleId :

A46X7

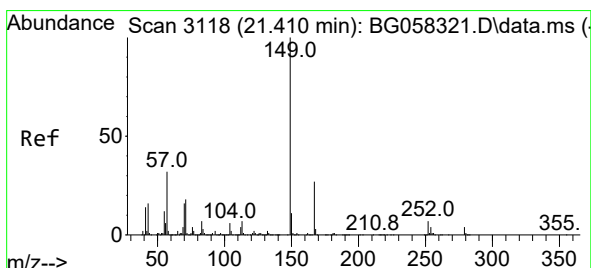
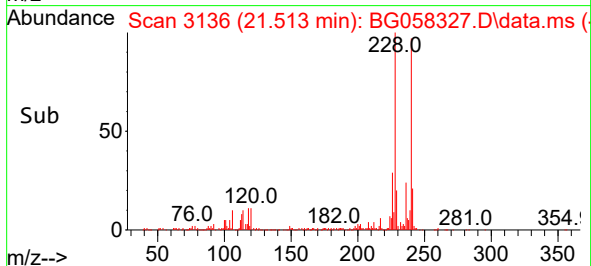
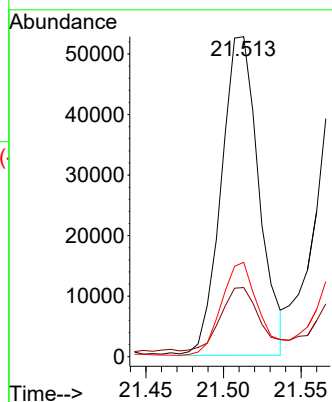
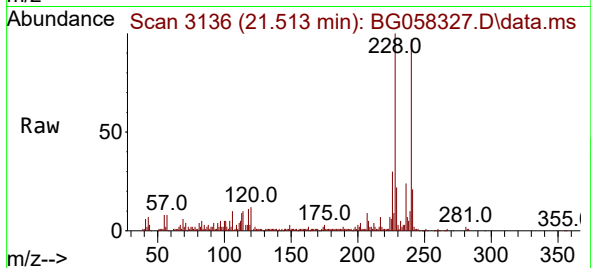
Tgt Ion:228 Resp: 89139

Ion Ratio Lower Upper

228 100

229 21.6 15.7 23.5

226 29.5 21.8 32.8



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.019 ng/ul

RT: 21.413 min Scan# 3119

Delta R.T. 0.001 min

Lab File: BG058327.D

Acq: 19 Jul 2023 13:45

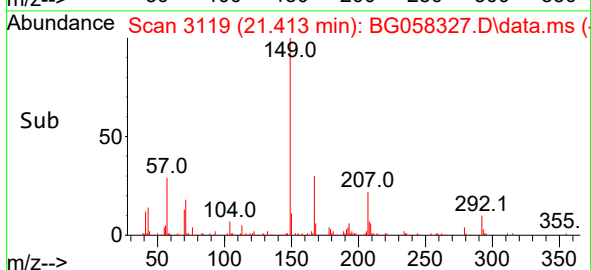
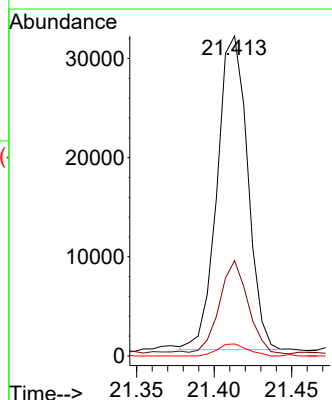
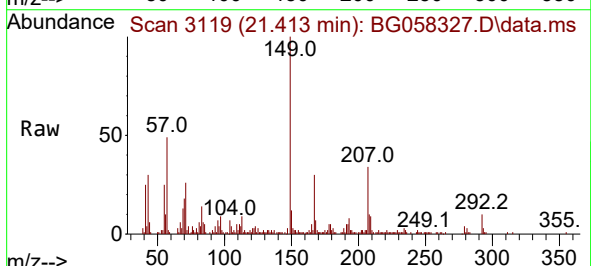
Tgt Ion:149 Resp: 43286

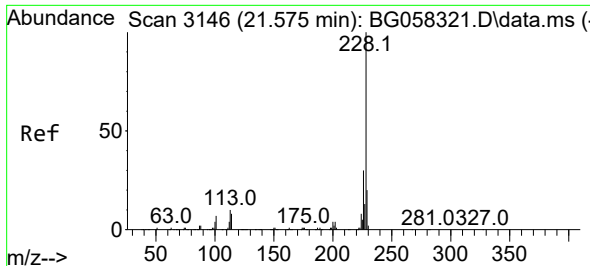
Ion Ratio Lower Upper

149 100

167 29.8 21.6 32.4

279 3.8 3.0 4.4

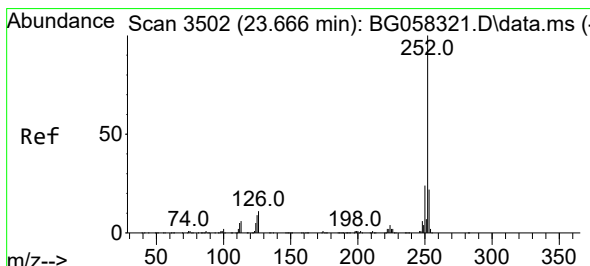
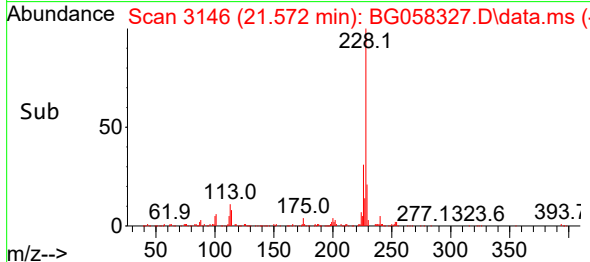
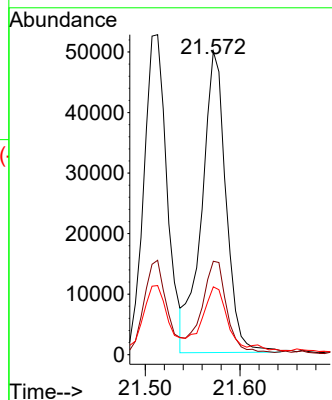
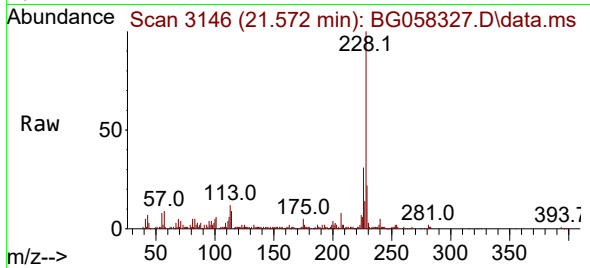




#87  
Chrysene  
Concen: 4.942 ng/ul  
RT: 21.572 min Scan# 3146  
Delta R.T. -0.005 min  
Lab File: BG058327.D  
Acq: 19 Jul 2023 13:45

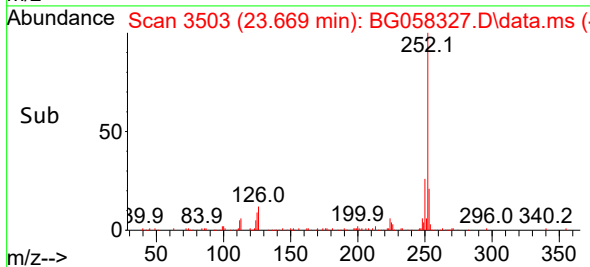
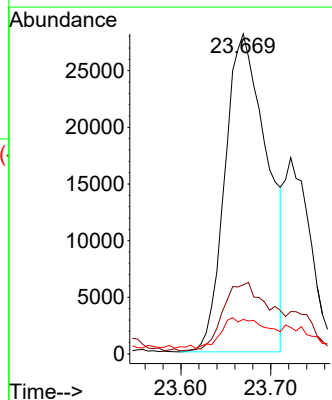
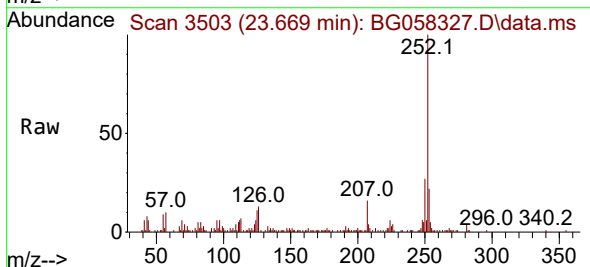
Instrument :  
BNA\_G  
ClientSampleId :  
A46X7

Tgt Ion:228 Resp: 88388  
Ion Ratio Lower Upper  
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229 22.4 15.8 23.8

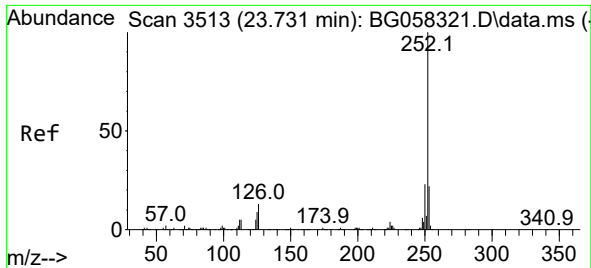


#90  
Benzo(b)fluoranthene  
Concen: 4.692 ng/ul  
RT: 23.669 min Scan# 3503  
Delta R.T. 0.001 min  
Lab File: BG058327.D  
Acq: 19 Jul 2023 13:45

Tgt Ion:252 Resp: 91566  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.9 26.9  
125 10.8 6.7 10.1#







#91  
 Benzo(k)fluoranthene  
 Concen: 4.704 ng/ul  
 RT: 23.669 min Scan# 31  
 Delta R.T. -0.064 min  
 Lab File: BG058327.D  
 Acq: 19 Jul 2023 13:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46X7

Tgt Ion:252 Resp: 91566  
 Ion Ratio Lower Upper  
 252 100  
 253 21.6 18.3 27.5  
 125 10.8 7.4 11.0

