

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
 Data File : BG057981.D  
 Acq On : 4 Jul 2023 9:50  
 Operator : CG/JU  
 Sample : 03247-14  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 05 00:11:51 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 04 05:09:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.941  | 152  | 51444    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.744 | 136  | 233638   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.574 | 164  | 152088   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.318 | 188  | 322503   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.572 | 240  | 256692   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.739 | 264  | 317617   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.376  | 96   | 4407     | 3.000  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.793  | 84   | 3265     | 0.732  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.107  | 99   | 103175   | 19.638 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.265  | 67   | 63227    | 19.970 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.471  | 132  | 79274    | 21.878 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.646  | 113  | 68242    | 17.215 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.104  | 128  | 40139    | 21.079 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.827  | 143  | 44122    | 22.046 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.362 | 165  | 79745    | 20.771 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.879 | 131  | 50665    | 8.704  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.975 | 166  | 252177   | 21.015 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.269 | 160  | 294611   | 22.498 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.774 | 143  | 29608    | 13.965 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.561 | 176  | 220629   | 21.649 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.685 | 200  | 25172    | 14.374 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.412 | 188  | 325295   | 21.737 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 370119   | 22.894 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.527 | 264  | 373510   | 23.082 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.763  | 105  | 9925     | 1.509  | ng/ul  | 98       |
| 30) Naphthalene               | 10.796 | 128  | 35159    | 2.678  | ng/ul# | 92       |
| 36) 2-Methylnaphthalene       | 12.400 | 142  | 13193    | 1.491  | ng/ul  | 98       |
| 37) 1-Methylnaphthalene       | 12.618 | 142  | 12507    | 1.409  | ng/ul  | 97       |
| 52) Acenaphthene              | 14.639 | 153  | 10496    | 1.082  | ng/ul  | 96       |
| 61) Fluorene                  | 15.620 | 166  | 17246    | 1.524  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.359 | 178  | 347112   | 21.159 | ng/ul  | 99       |
| 74) Anthracene                | 17.447 | 178  | 46569    | 2.805  | ng/ul  | 96       |
| 77) Carbazole                 | 17.718 | 167  | 24000    | 1.599  | ng/ul# | 96       |
| 80) Fluoranthene              | 19.369 | 202  | 601976   | 32.135 | ng/ul  | 99       |
| 82) Pyrene                    | 19.733 | 202  | 584095   | 30.976 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.614 | 149  | 8646     | 1.131  | ng/ul  | 93       |
| 85) Benzo(a)anthracene        | 21.554 | 228  | 323633   | 17.559 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.454 | 149  | 45409    | 4.144  | ng/ul  | 98       |
| 87) Chrysene                  | 21.619 | 228  | 340656   | 19.717 | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 23.734 | 252  | 484637   | 24.643 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.734 | 252  | 484637   | 25.142 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.598 | 252  | 325201   | 18.683 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.352 | 276  | 224362   | 9.707  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 28.399 | 278  | 53369    | 2.800  | ng/ul# | 89       |
| 96) Benzo(g,h,i)perylene      | 29.486 | 276  | 192429   | 10.192 | ng/ul  | 98       |
| -----                         |        |      |          |        |        |          |

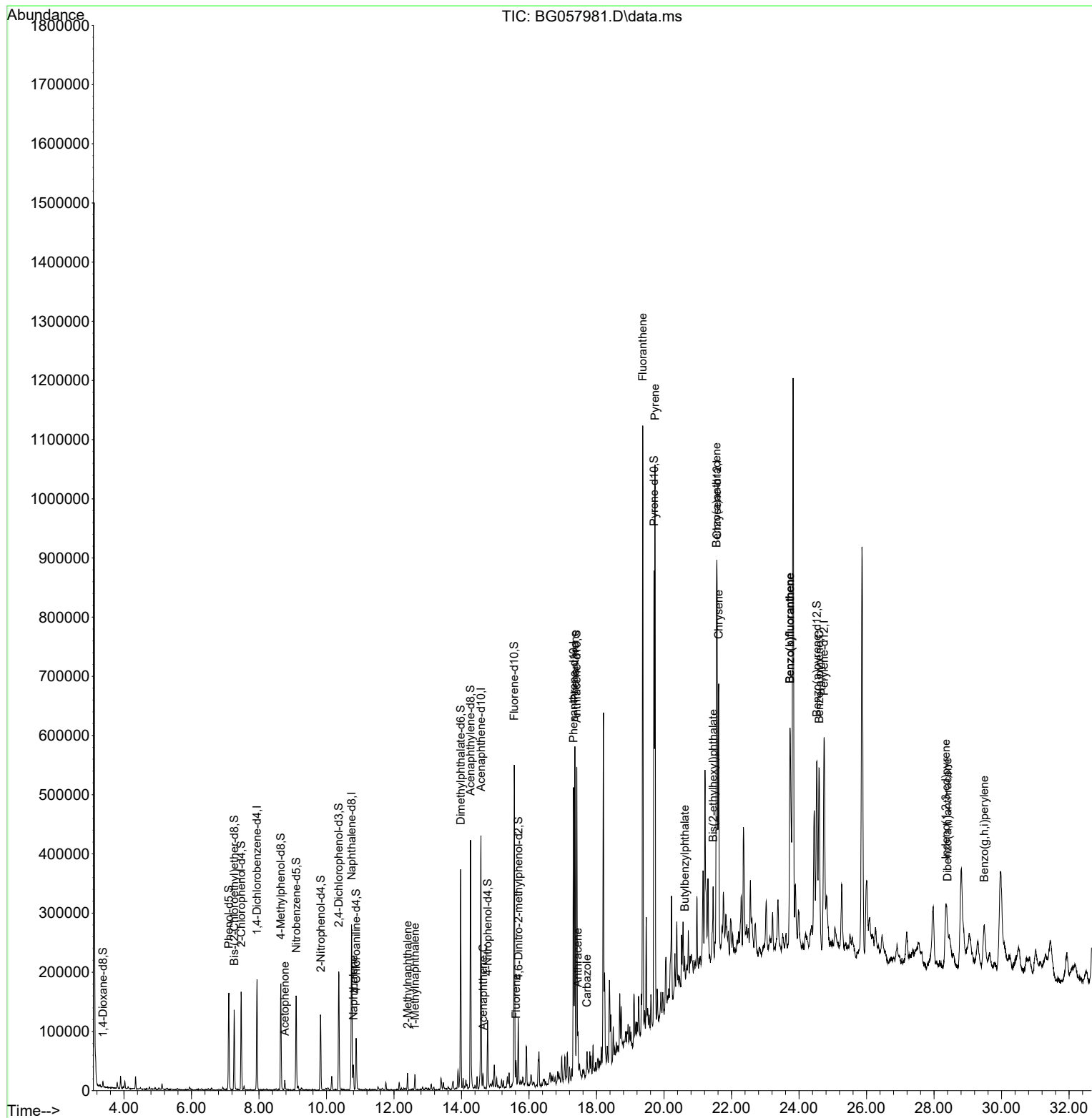
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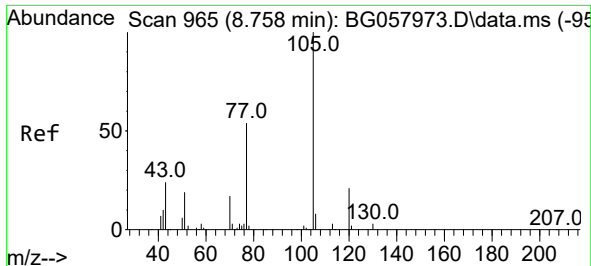
Instrument :  
BNA\_G  
ClientSampleId :

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
Data File : BG057981.D  
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ALS Vial : 38 Sample Multiplier: 1

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BNA\_G  
ClientSampleId :

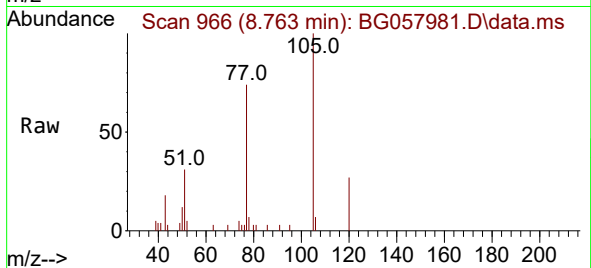
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 04 05:09:13 2023  
Response via : Initial Calibration



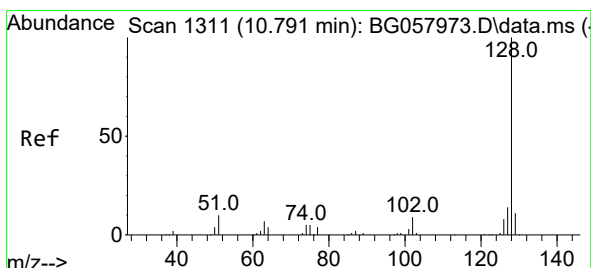
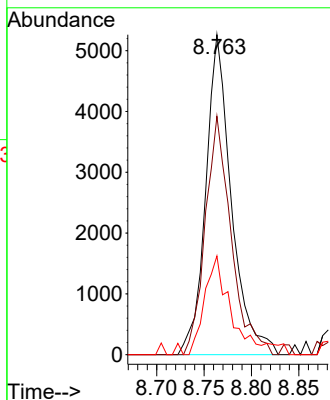
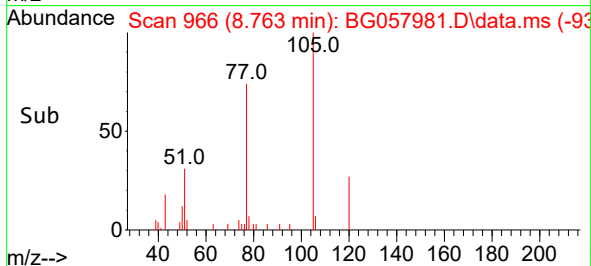


#16  
Acetophenone  
Concen: 1.509 ng/ul  
RT: 8.763 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

Instrument :  
BNA\_G  
ClientSampleId :

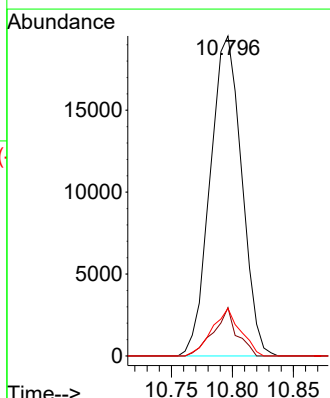
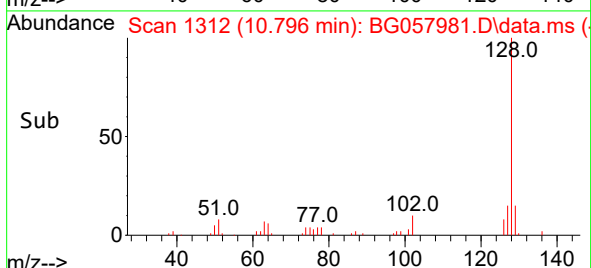
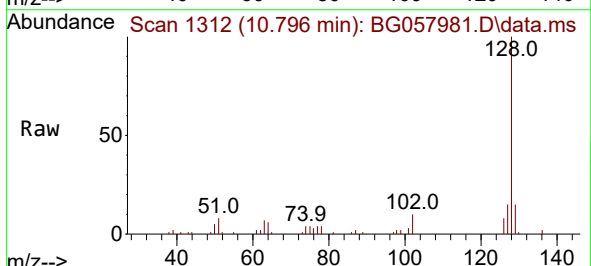


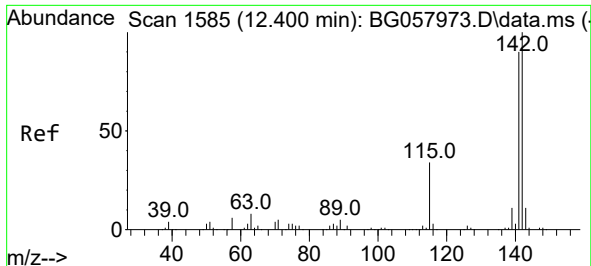
Tgt Ion:105 Resp: 9925  
Ion Ratio Lower Upper  
105 100  
77 74.5 61.2 91.8  
51 30.8 23.5 35.3



#30  
Naphthalene  
Concen: 2.678 ng/ul  
RT: 10.796 min Scan# 1312  
Delta R.T. 0.006 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

Tgt Ion:128 Resp: 35159  
Ion Ratio Lower Upper  
128 100  
129 15.1 8.6 12.8#  
127 14.9 10.2 15.2

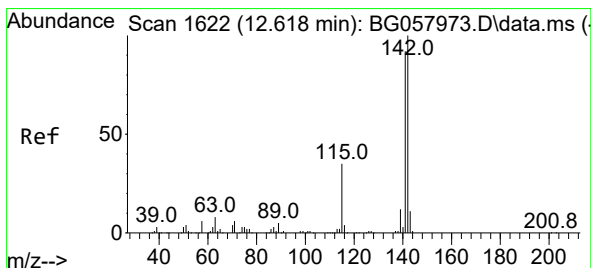
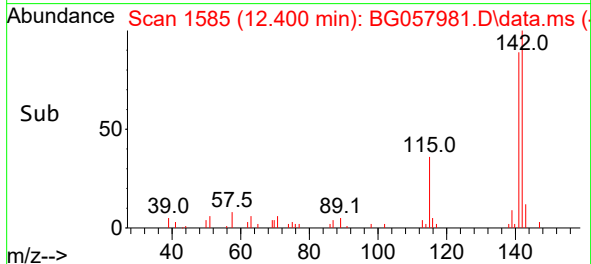
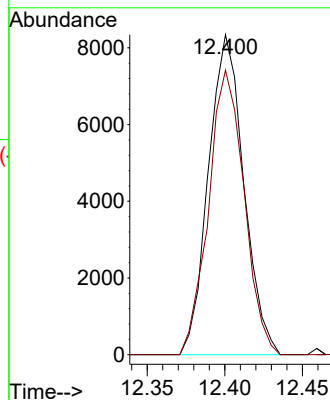
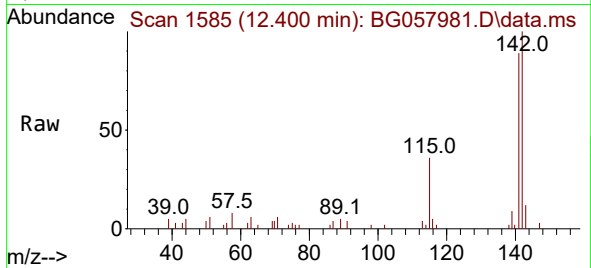




#36  
2-Methylnaphthalene  
Concen: 1.491 ng/ul  
RT: 12.400 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

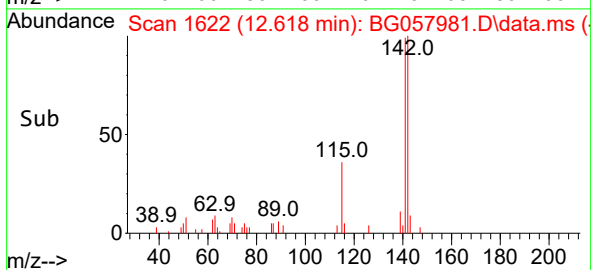
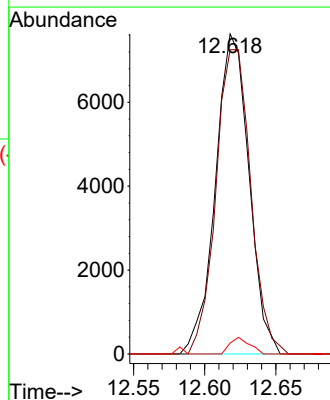
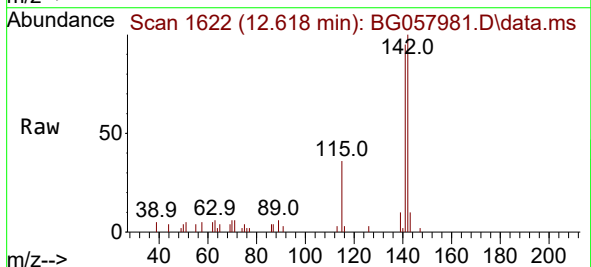
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BNA\_G  
ClientSampleId :

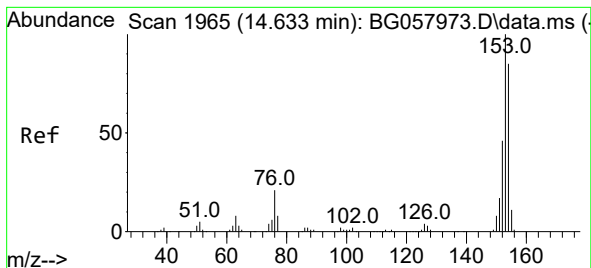
Tgt Ion:142 Resp: 13193  
Ion Ratio Lower Upper  
142 100  
141 88.9 69.4 104.2



#37  
1-Methylnaphthalene  
Concen: 1.409 ng/ul  
RT: 12.618 min Scan# 1622  
Delta R.T. -0.000 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

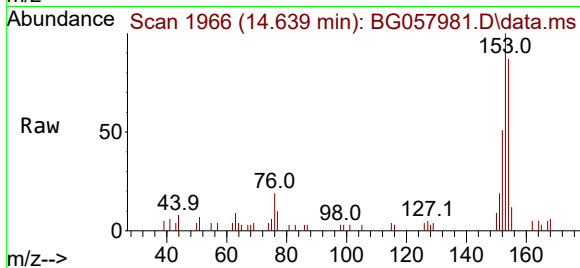
Tgt Ion:142 Resp: 12507  
Ion Ratio Lower Upper  
142 100  
141 95.1 73.8 110.8  
116 3.4 3.0 4.4



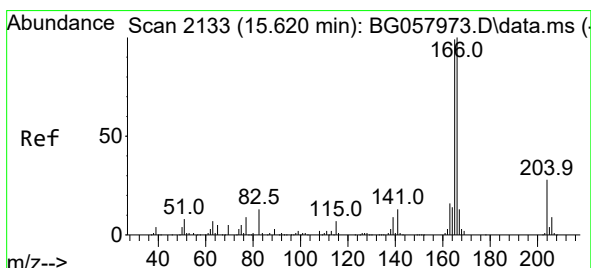
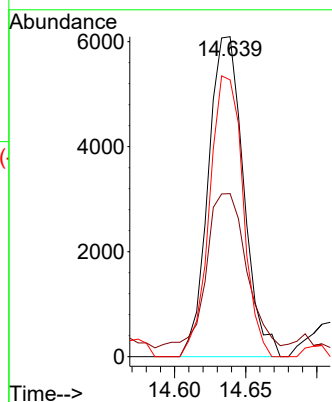
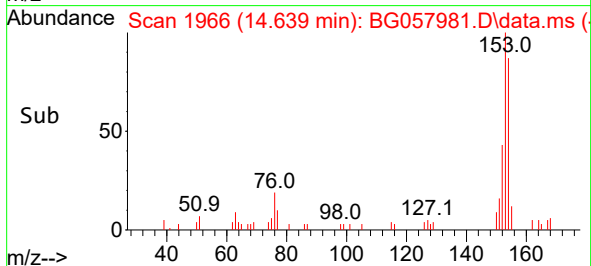


#52  
Acenaphthene  
Concen: 1.082 ng/ul  
RT: 14.639 min Scan# 1966  
Delta R.T. 0.006 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

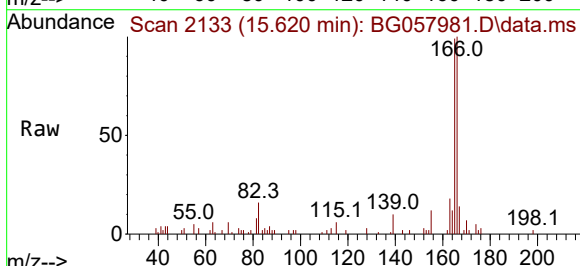
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BNA\_G  
ClientSampleId :



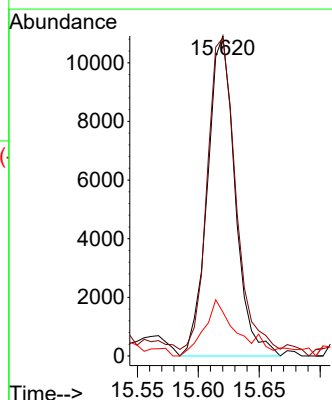
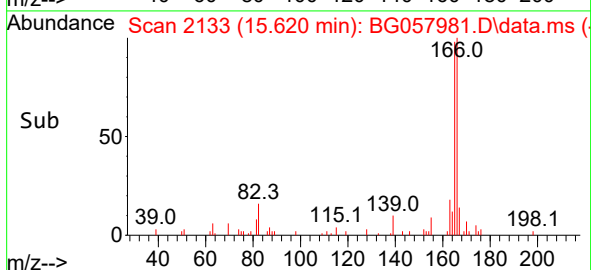
Tgt Ion:153 Resp: 10496  
Ion Ratio Lower Upper  
153 100  
152 50.9 36.5 54.7  
154 86.5 70.5 105.7

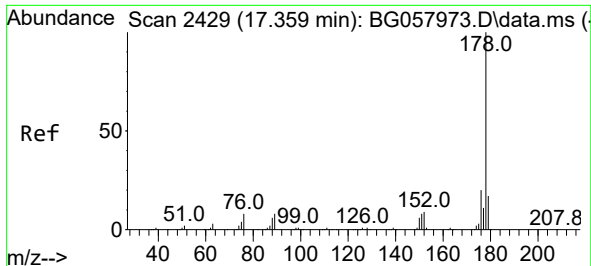


#61  
Fluorene  
Concen: 1.524 ng/ul  
RT: 15.620 min Scan# 2133  
Delta R.T. -0.000 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50



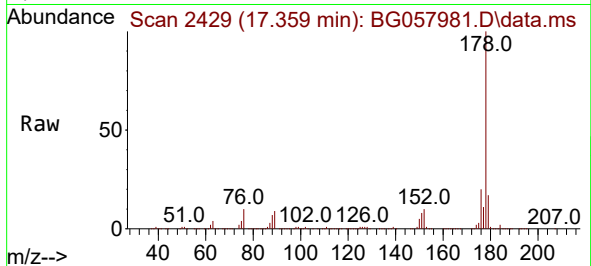
Tgt Ion:166 Resp: 17246  
Ion Ratio Lower Upper  
166 100  
165 99.4 79.1 118.7  
167 13.7 10.7 16.1



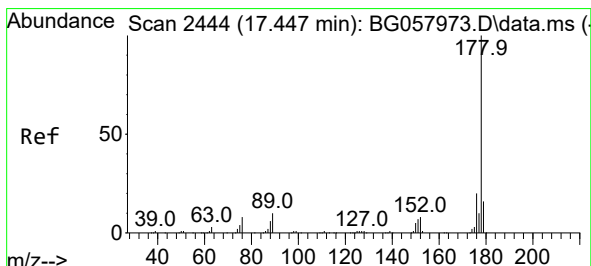
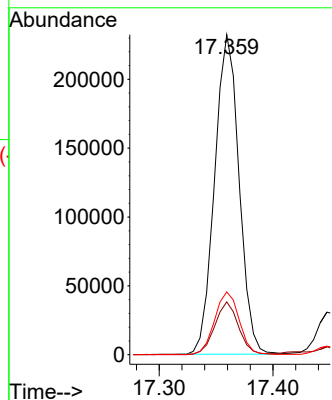
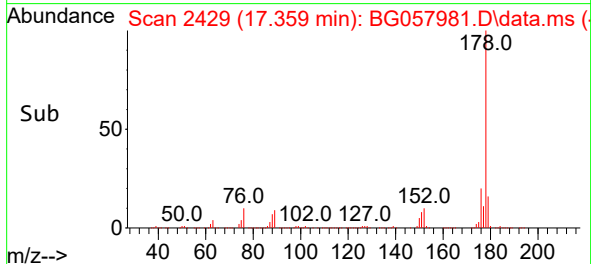


#72  
Phenanthrene  
Concen: 21.159 ng/ul  
RT: 17.359 min Scan# 2429  
Delta R.T. -0.000 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

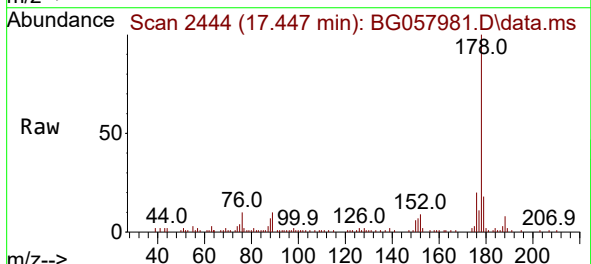
Instrument :  
BNA\_G  
ClientSampleId :



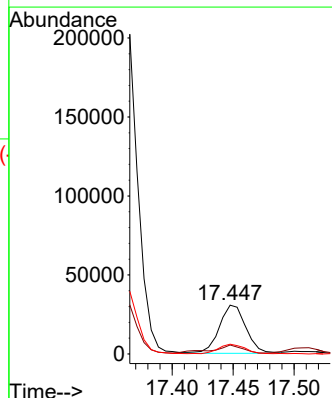
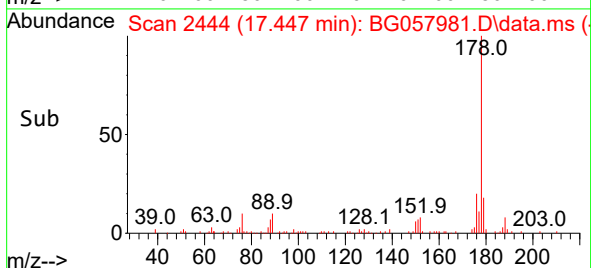
Tgt Ion:178 Resp: 347112  
Ion Ratio Lower Upper  
178 100  
179 16.5 12.8 19.2  
176 19.6 15.7 23.5

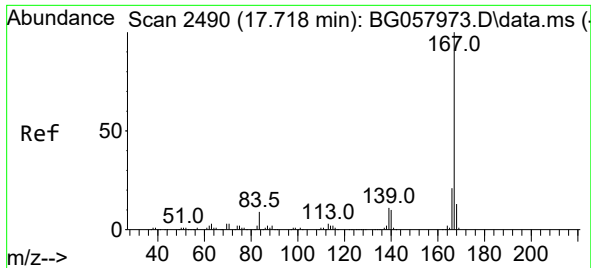


#74  
Anthracene  
Concen: 2.805 ng/ul  
RT: 17.447 min Scan# 2444  
Delta R.T. -0.000 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50



Tgt Ion:178 Resp: 46569  
Ion Ratio Lower Upper  
178 100  
179 18.4 12.6 18.8  
176 19.9 15.4 23.2

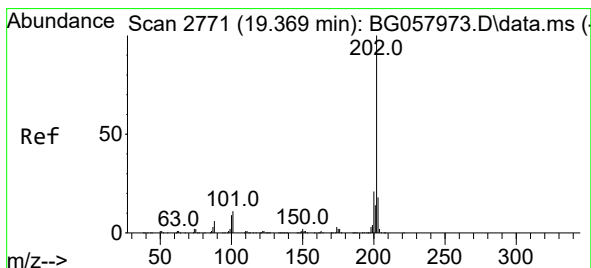
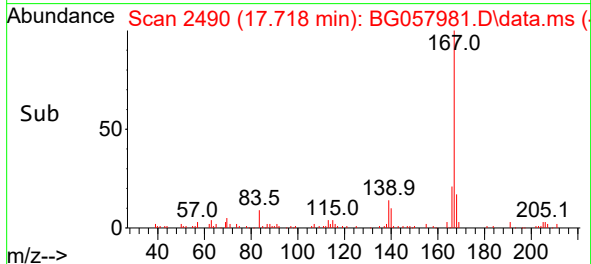
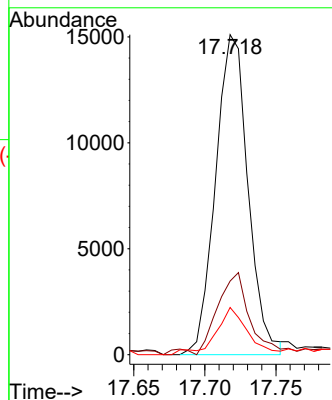
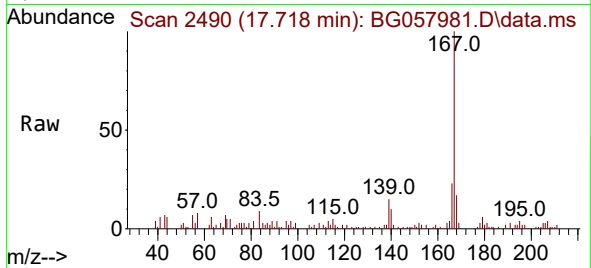




#77  
 Carbazole  
 Concen: 1.599 ng/ul  
 RT: 17.718 min Scan# 2490  
 Delta R.T. -0.000 min  
 Lab File: BG057981.D  
 Acq: 4 Jul 2023 9:50

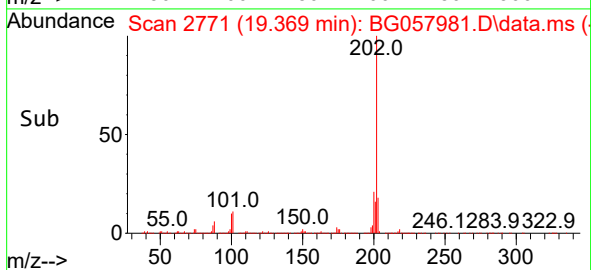
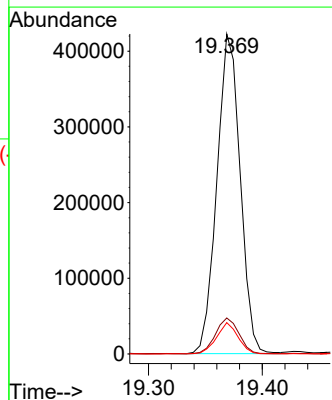
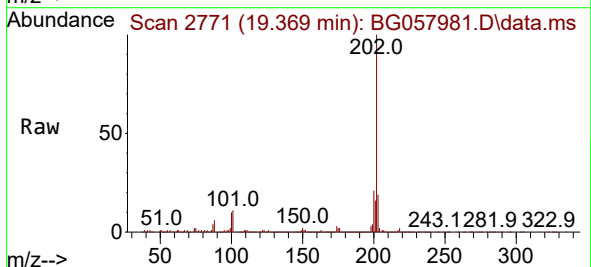
Instrument :  
 BNA\_G  
 ClientSampleId :

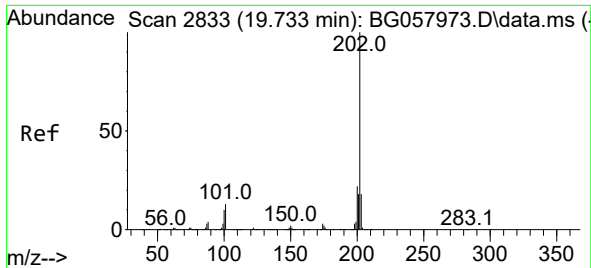
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 Ion Ratio Lower Upper  
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 166 23.0 17.5 26.3  
 139 14.7 9.5 14.3#



#80  
 Fluoranthene  
 Concen: 32.135 ng/ul  
 RT: 19.369 min Scan# 2771  
 Delta R.T. -0.000 min  
 Lab File: BG057981.D  
 Acq: 4 Jul 2023 9:50

Tgt Ion:202 Resp: 601976  
 Ion Ratio Lower Upper  
 202 100  
 101 11.3 9.1 13.7  
 100 9.8 7.1 10.7

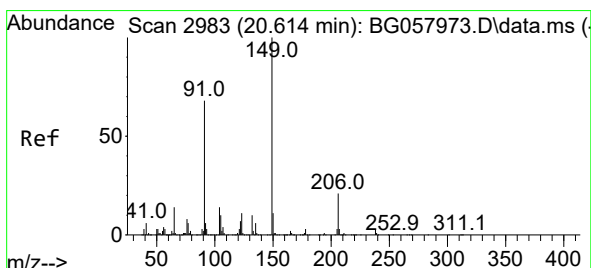
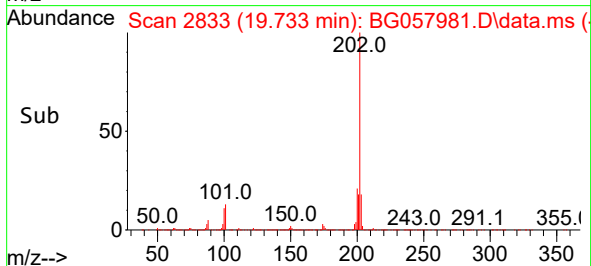
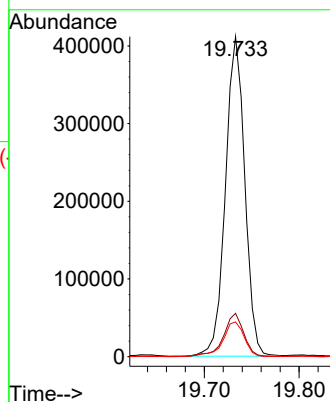
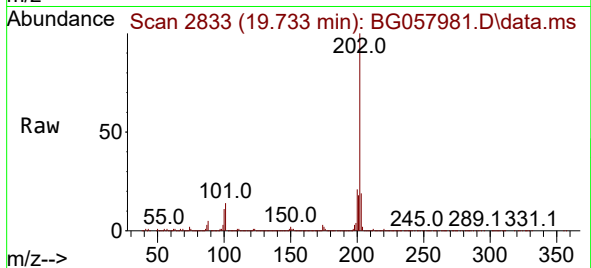




#82  
 Pyrene  
 Concen: 30.976 ng/ul  
 RT: 19.733 min Scan# 2833  
 Delta R.T. -0.000 min  
 Lab File: BG057981.D  
 Acq: 4 Jul 2023 9:50

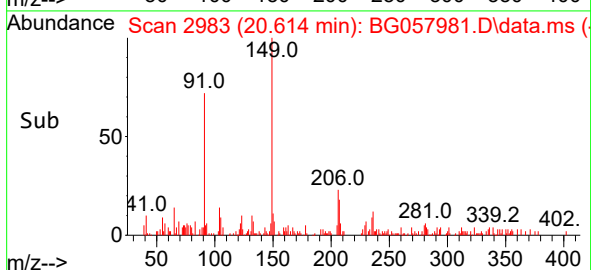
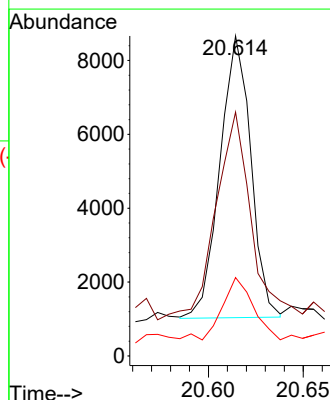
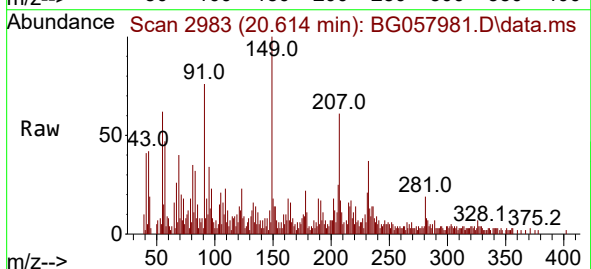
Instrument :  
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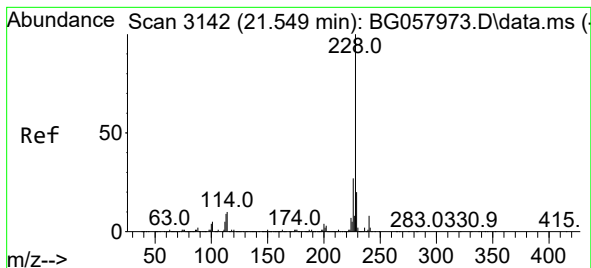
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 101 13.5 10.2 15.2  
 100 10.9 8.9 13.3



#83  
 Butylbenzylphthalate  
 Concen: 1.131 ng/ul  
 RT: 20.614 min Scan# 2983  
 Delta R.T. -0.000 min  
 Lab File: BG057981.D  
 Acq: 4 Jul 2023 9:50

Tgt Ion:149 Resp: 8646  
 Ion Ratio Lower Upper  
 149 100  
 91 76.2 56.5 84.7  
 206 24.5 17.4 26.0





#85

Benzo(a)anthracene

Concen: 17.559 ng/ul

RT: 21.554 min Scan# 3142

Delta R.T. 0.006 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

Instrument :

BNA\_G

ClientSampleId :

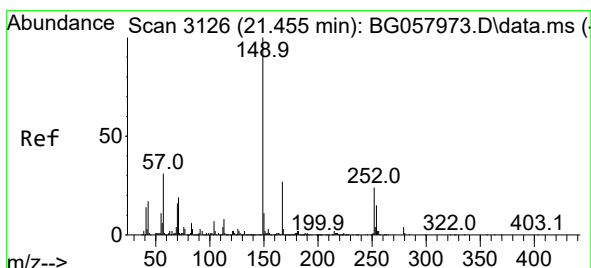
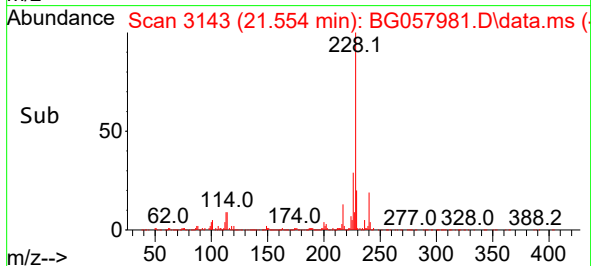
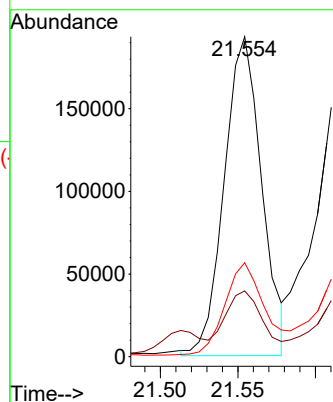
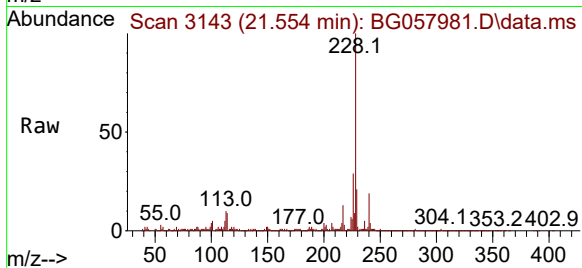
Tgt Ion:228 Resp: 323633

Ion Ratio Lower Upper

228 100

229 20.6 16.0 24.0

226 29.3 22.0 33.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.144 ng/ul

RT: 21.454 min Scan# 3126

Delta R.T. -0.000 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

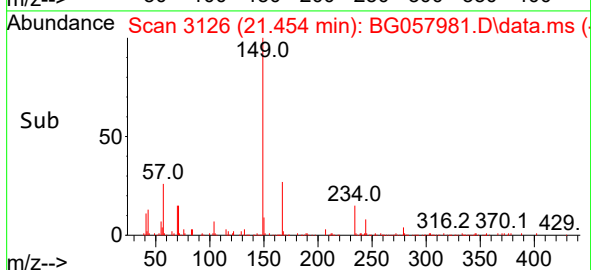
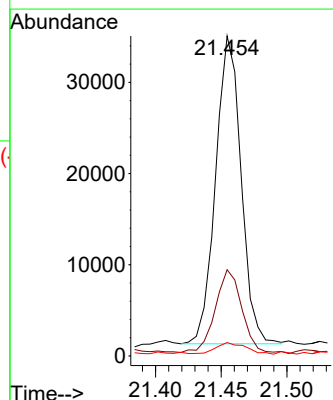
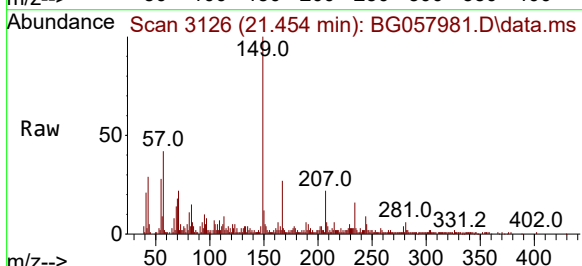
Tgt Ion:149 Resp: 45409

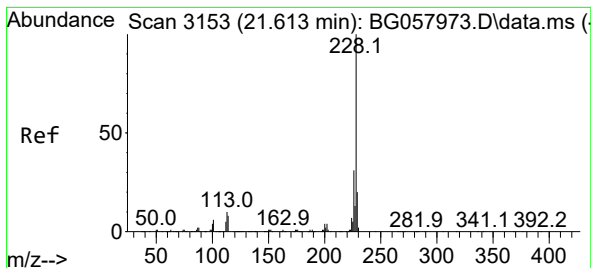
Ion Ratio Lower Upper

149 100

167 26.9 20.9 31.3

279 4.2 3.1 4.7





#87

Chrysene

Concen: 19.717 ng/ul

RT: 21.619 min Scan# 3153

Delta R.T. 0.006 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

Instrument :

BNA\_G

ClientSampleId :

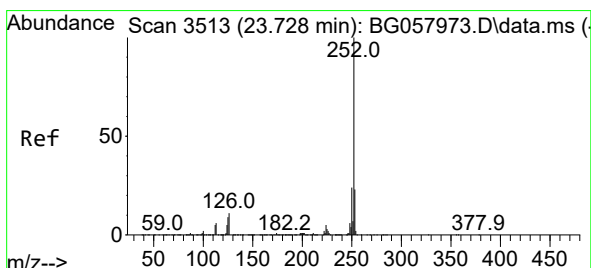
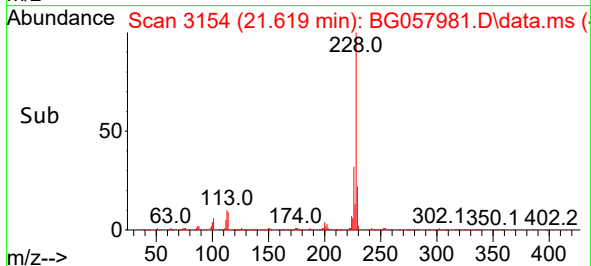
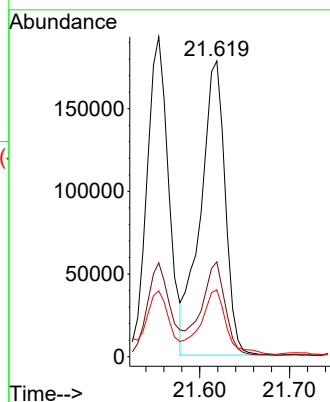
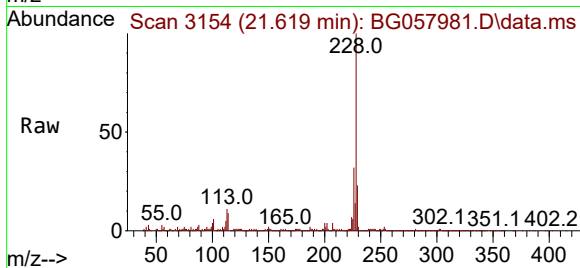
Tgt Ion:228 Resp: 340656

Ion Ratio Lower Upper

228 100

226 32.1 24.4 36.6

229 22.6 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 24.643 ng/ul

RT: 23.734 min Scan# 3514

Delta R.T. 0.006 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

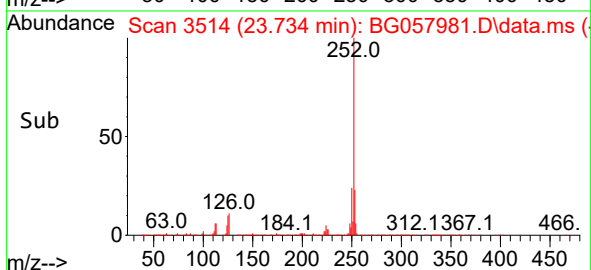
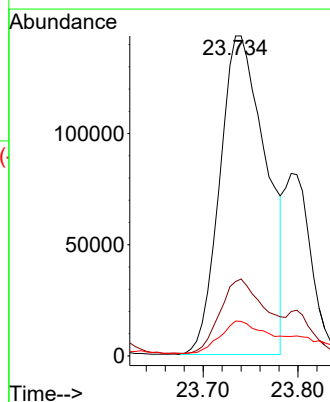
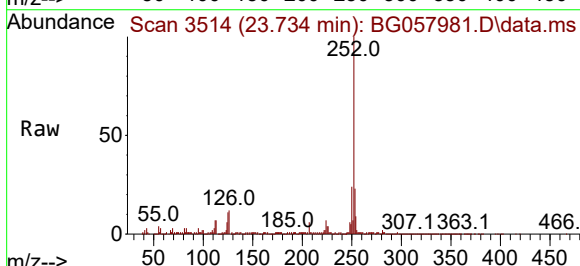
Tgt Ion:252 Resp: 484637

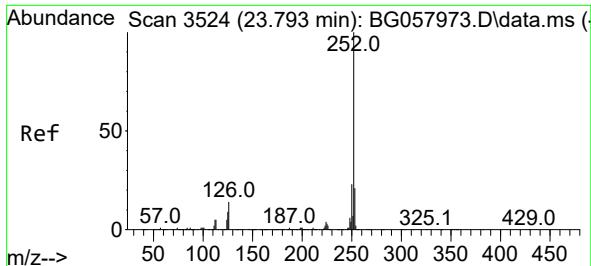
Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

125 10.9 7.5 11.3

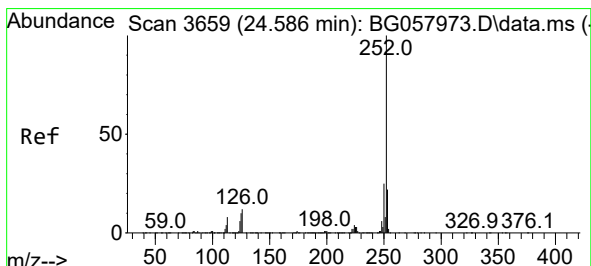
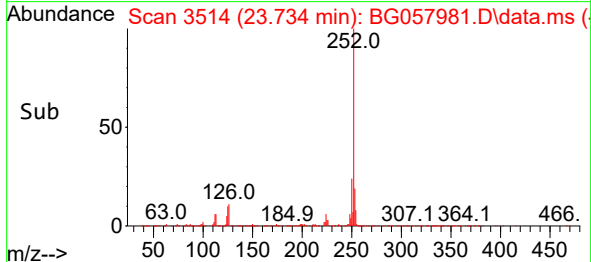
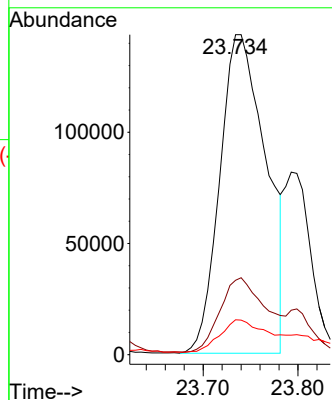
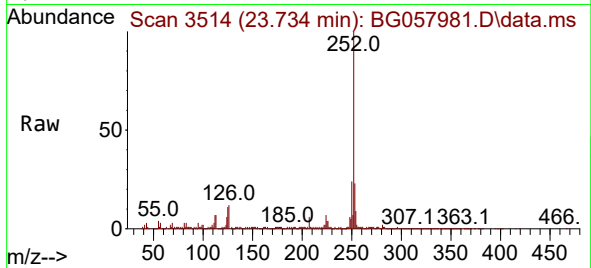




#91  
Benzo(k)fluoranthene  
Concen: 25.142 ng/ul  
RT: 23.734 min Scan# 31  
Delta R.T. -0.059 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

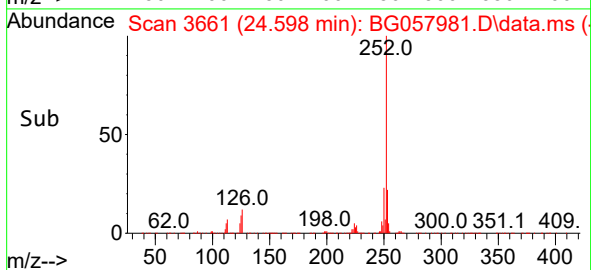
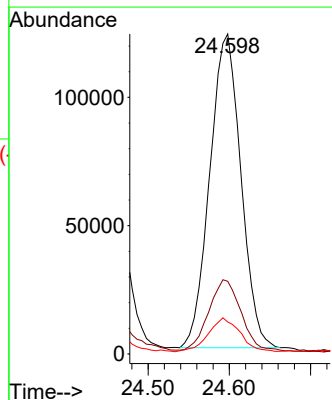
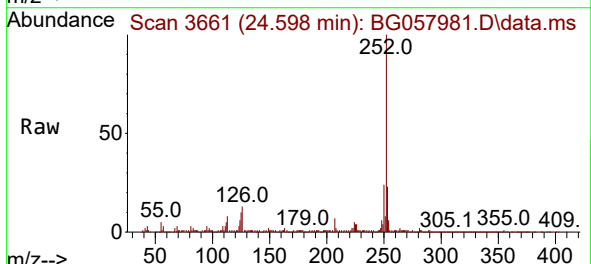
Instrument :  
BNA\_G  
ClientSampleId :

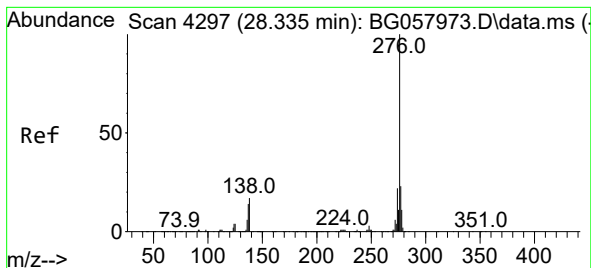
Tgt Ion:252 Resp: 484637  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.7 26.5  
125 10.9 7.4 11.2



#93  
Benzo(a)pyrene  
Concen: 18.683 ng/ul  
RT: 24.598 min Scan# 3661  
Delta R.T. 0.012 min  
Lab File: BG057981.D  
Acq: 4 Jul 2023 9:50

Tgt Ion:252 Resp: 325201  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.8 26.6  
125 10.0 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.707 ng/ul

RT: 28.352 min Scan# 4300

Delta R.T. 0.018 min

Lab File: BG057981.D

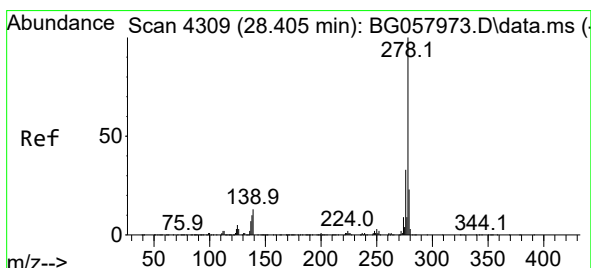
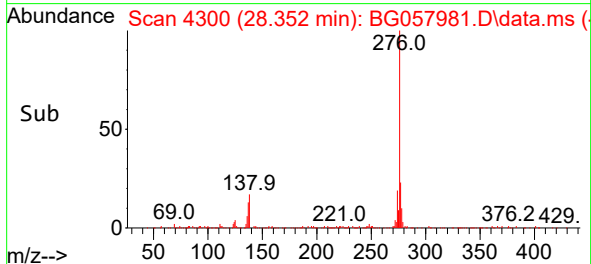
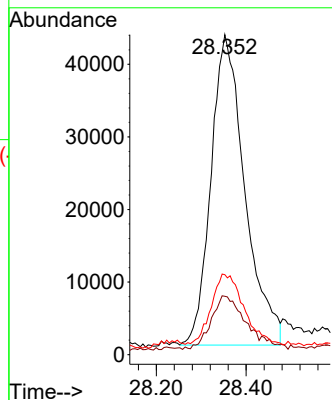
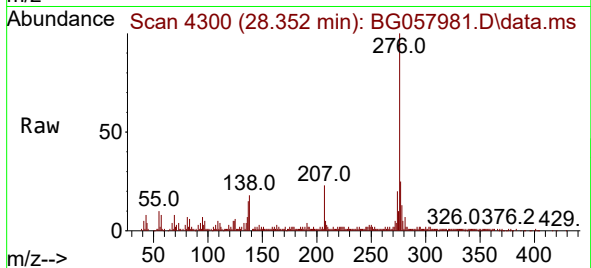
Acq: 4 Jul 2023 9:50

Instrument :

BNA\_G

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 224362 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 18.2  | 14.0  | 21.0   |
| 277       | 25.0  | 19.4  | 29.2   |



#95

Dibenzo(a,h)anthracene

Concen: 2.800 ng/ul

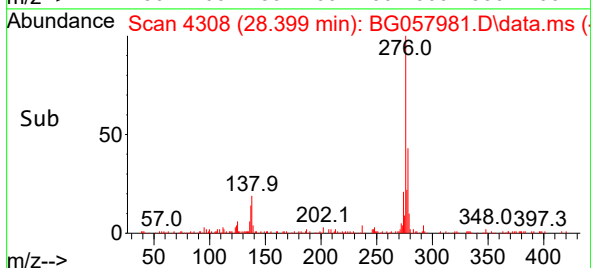
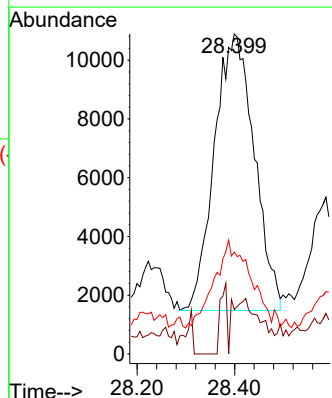
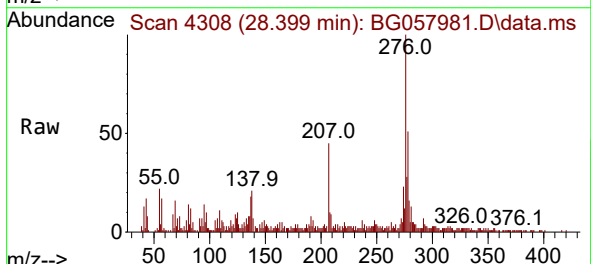
RT: 28.399 min Scan# 4308

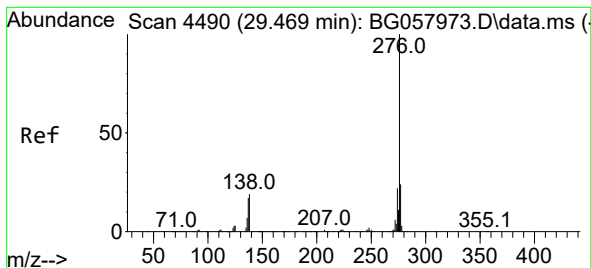
Delta R.T. -0.006 min

Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 53369 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 13.9  | 11.3  | 16.9  |
| 279       | 31.9  | 18.9  | 28.3  |





#96

Benzo(g,h,i)perylene

Concen: 10.192 ng/ul

RT: 29.486 min Scan# 44

Delta R.T. 0.018 min

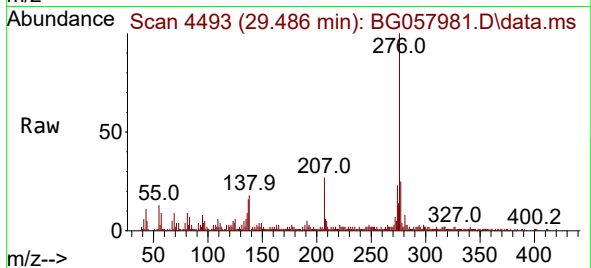
Lab File: BG057981.D

Acq: 4 Jul 2023 9:50

Instrument :

BNA\_G

ClientSampleId :



Tgt Ion:276 Resp: 192429

Ion Ratio Lower Upper

276 100

138 17.8 14.2 21.2

277 25.2 18.6 27.8

