

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG070323\  
 Data File : BG057992.D  
 Acq On : 4 Jul 2023 18:16  
 Operator : CG/JU  
 Sample : 03248-03  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DCGN1

Quant Time: Jul 05 00:14:08 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

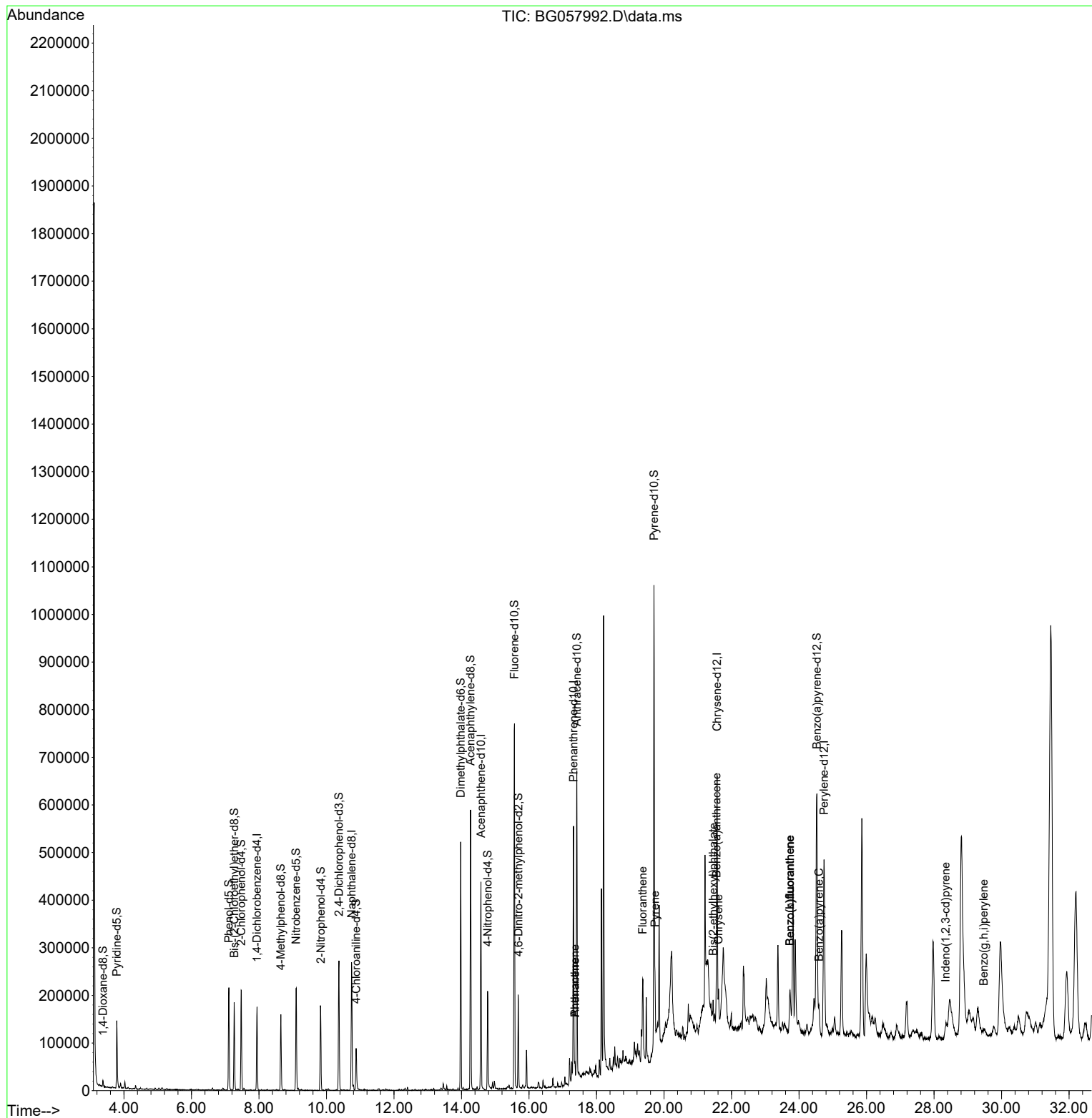
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.942  | 152  | 48792    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.744 | 136  | 229394   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.575 | 164  | 154605   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.319 | 188  | 340932   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.573 | 240  | 280940   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.740 | 264  | 336241   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.376  | 96   | 6401     | 4.594  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.788  | 84   | 79630    | 18.824 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.107  | 99   | 133134   | 26.718 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.266  | 67   | 86067    | 28.662 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.477  | 132  | 100536   | 29.254 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.647  | 113  | 61236    | 16.287 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.099  | 128  | 54564    | 29.184 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 60870    | 30.977 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.368 | 165  | 107959   | 28.640 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.879 | 131  | 52917    | 9.259  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.976 | 166  | 361051   | 29.598 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.270 | 160  | 415385   | 31.205 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 54604    | 25.336 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.568 | 176  | 320932   | 30.979 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.685 | 200  | 44147    | 23.847 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.419 | 188  | 418685   | 26.465 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.704 | 212  | 551376   | 31.162 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.528 | 264  | 556554   | 32.489 | ng/ul  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.360 | 178  | 23390    | 1.349  | ng/ul  | 95       |
| 74) Anthracene                | 17.360 | 178  | 23492    | 1.339  | ng/ul  | 95       |
| 80) Fluoranthene              | 19.369 | 202  | 69720    | 3.401  | ng/ul  | 99       |
| 82) Pyrene                    | 19.734 | 202  | 63807    | 3.092  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.555 | 228  | 46602    | 2.310  | ng/ul  | 93       |
| 86) Bis(2-ethylhexyl)phtha... | 21.455 | 149  | 15630    | 1.303  | ng/ul  | 98       |
| 87) Chrysene                  | 21.614 | 228  | 58206    | 3.078  | ng/ul# | 94       |
| 90) Benzo(b)fluoranthene      | 23.735 | 252  | 106466   | 5.114  | ng/ul# | 97       |
| 91) Benzo(k)fluoranthene      | 23.735 | 252  | 106466   | 5.217  | ng/ul# | 98       |
| 93) Benzo(a)pyrene            | 24.593 | 252  | 58712    | 3.186  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.341 | 276  | 45741    | 1.869  | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 29.475 | 276  | 34912    | 1.747  | ng/ul# | 96       |

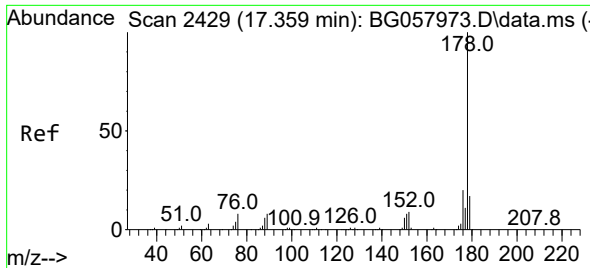
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 04 05:09:13 2023  
Response via : Initial Calibration

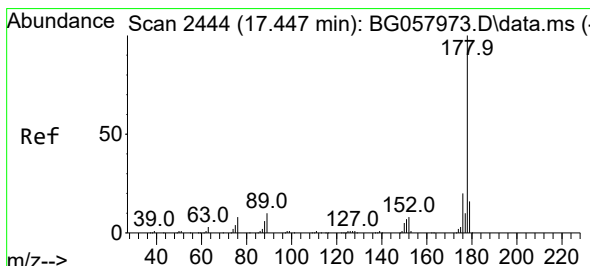
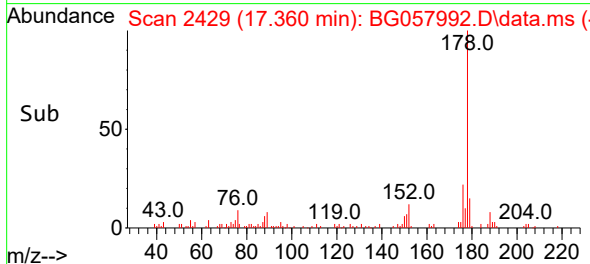
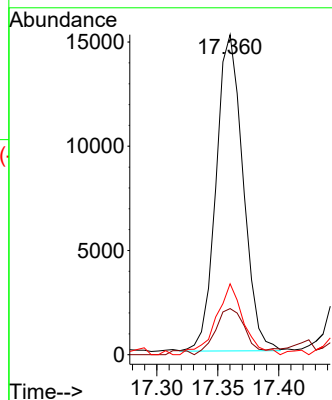
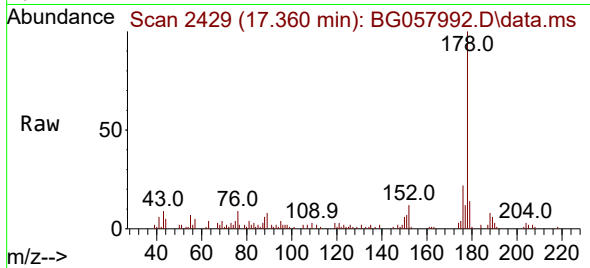




#72  
Phenanthrene  
Concen: 1.349 ng/ul  
RT: 17.360 min Scan# 2429  
Delta R.T. 0.001 min  
Lab File: BG057992.D  
Acq: 4 Jul 2023 18:16

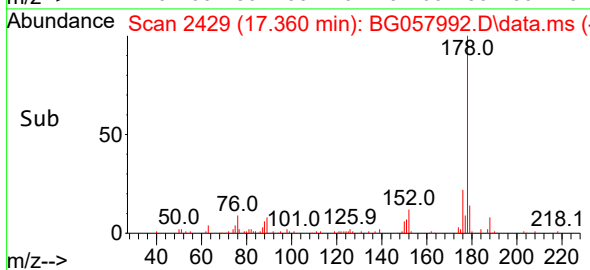
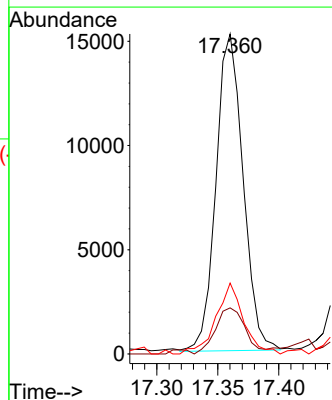
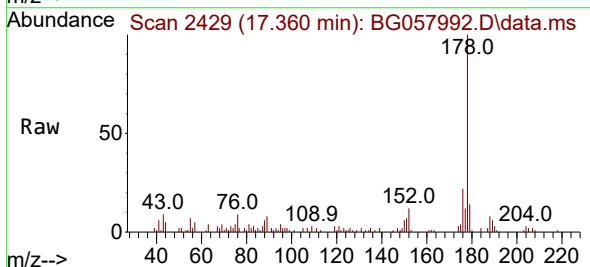
Instrument :  
BNA\_G  
ClientSampleId :  
DCGN1

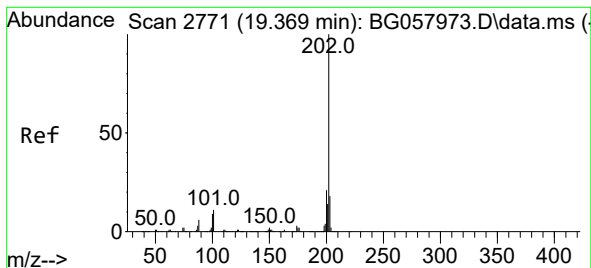
Tgt Ion:178 Resp: 23390  
Ion Ratio Lower Upper  
178 100  
179 14.4 12.8 19.2  
176 22.1 15.7 23.5



#74  
Anthracene  
Concen: 1.339 ng/ul  
RT: 17.360 min Scan# 2429  
Delta R.T. -0.087 min  
Lab File: BG057992.D  
Acq: 4 Jul 2023 18:16

Tgt Ion:178 Resp: 23492  
Ion Ratio Lower Upper  
178 100  
179 14.4 12.6 18.8  
176 22.1 15.4 23.2





#80

Fluoranthene

Concen: 3.401 ng/ul

RT: 19.369 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

Instrument :

BNA\_G

ClientSampleId :

DCGN1

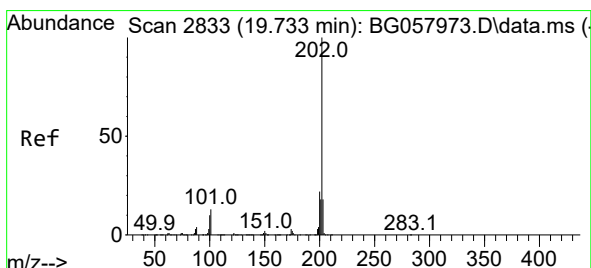
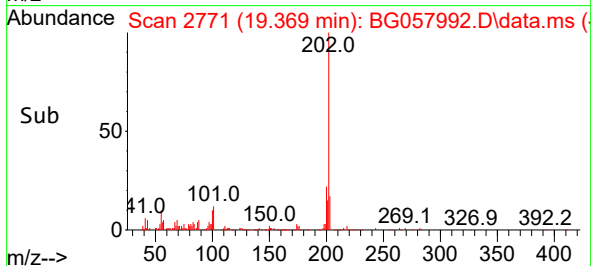
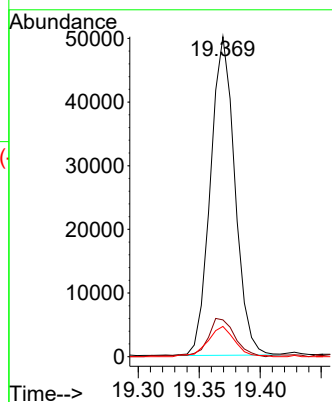
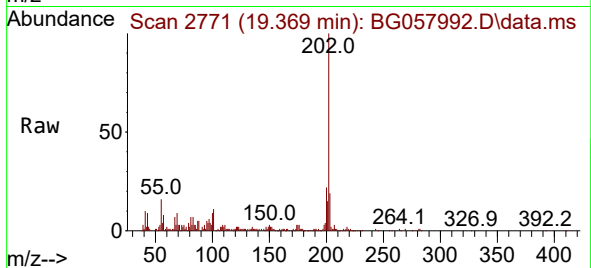
Tgt Ion:202 Resp: 69720

Ion Ratio Lower Upper

202 100

101 11.5 9.1 13.7

100 9.5 7.1 10.7



#82

Pyrene

Concen: 3.092 ng/ul

RT: 19.734 min Scan# 2833

Delta R.T. 0.001 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

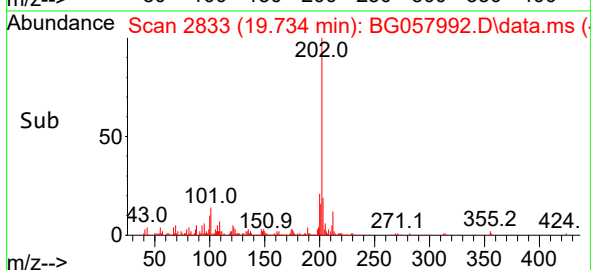
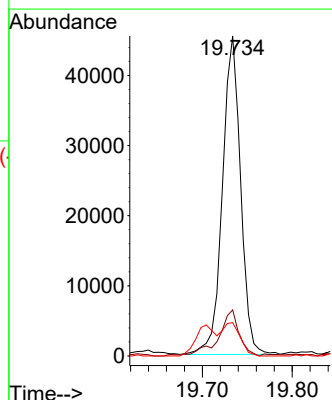
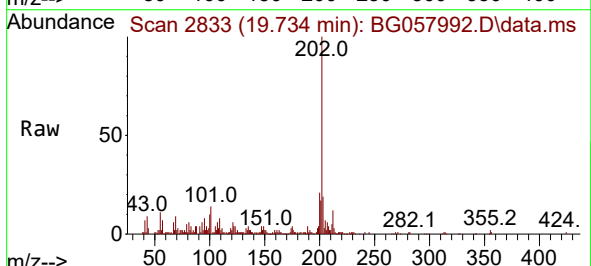
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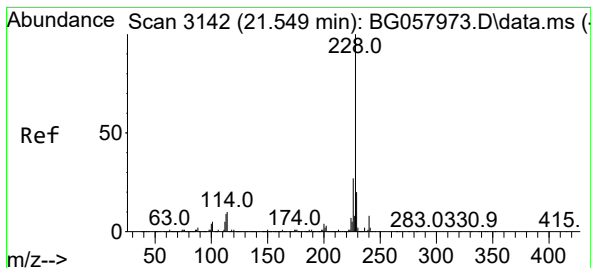
Ion Ratio Lower Upper

202 100

101 14.4 10.2 15.2

100 10.4 8.9 13.3





#85

Benzo(a)anthracene

Concen: 2.310 ng/ul

RT: 21.555 min Scan# 3143

Delta R.T. 0.007 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

Instrument :

BNA\_G

ClientSampleId :

DCGN1

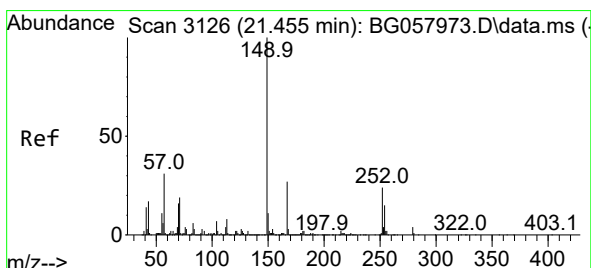
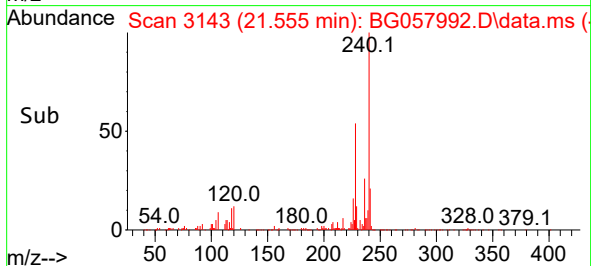
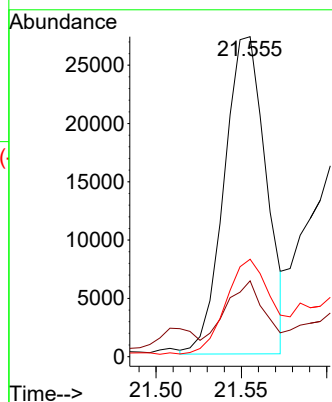
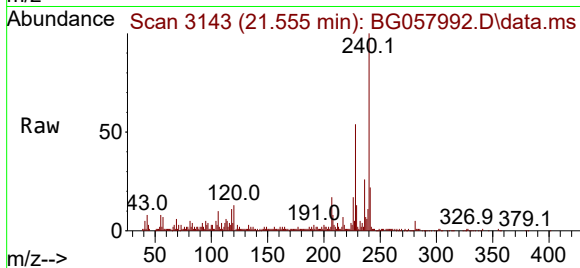
Tgt Ion:228 Resp: 46602

Ion Ratio Lower Upper

228 100

229 23.7 16.0 24.0

226 30.5 22.0 33.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.303 ng/ul

RT: 21.455 min Scan# 3126

Delta R.T. 0.001 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

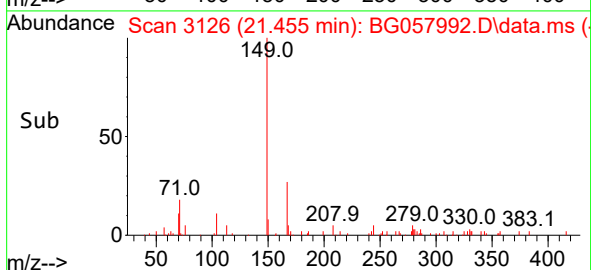
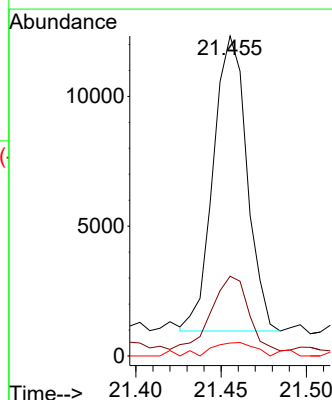
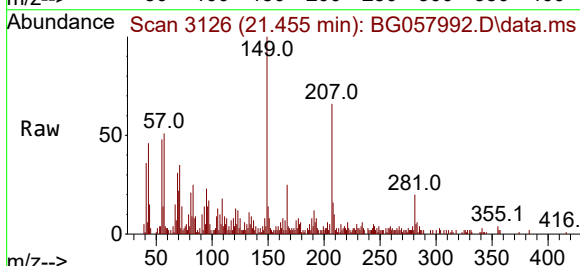
Tgt Ion:149 Resp: 15630

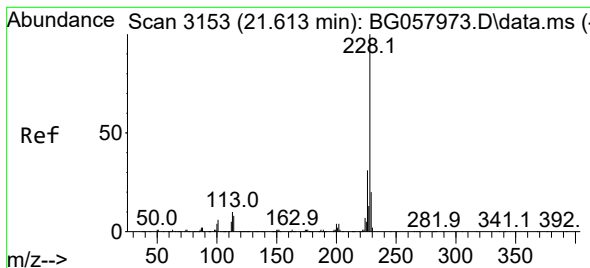
Ion Ratio Lower Upper

149 100

167 24.9 20.9 31.3

279 4.1 3.1 4.7





#87

Chrysene

Concen: 3.078 ng/ul

RT: 21.614 min Scan# 3153

Delta R.T. 0.001 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

Instrument :

BNA\_G

ClientSampleId :

DCGN1

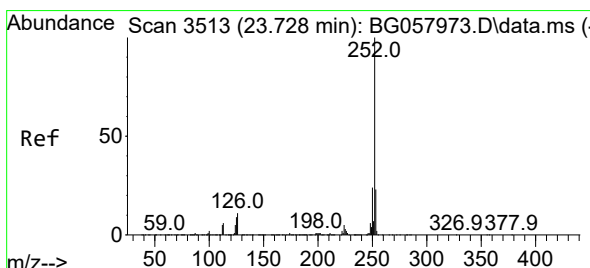
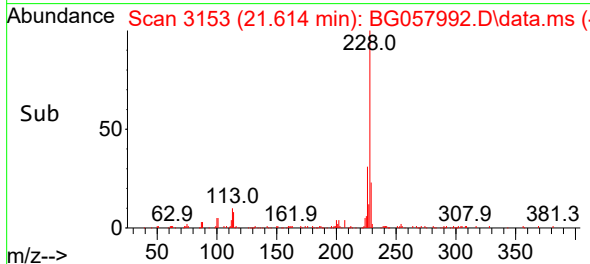
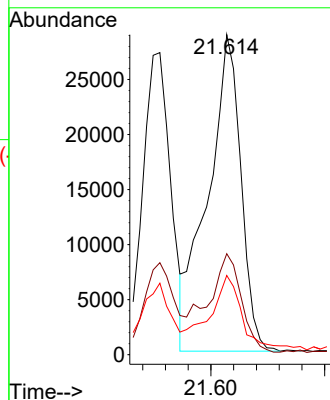
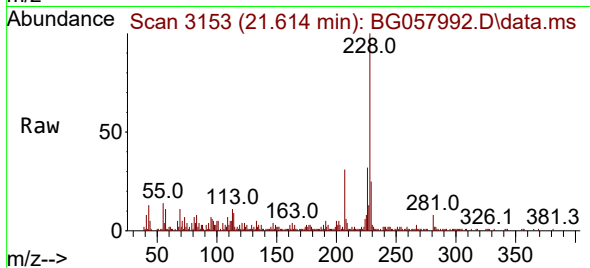
Tgt Ion:228 Resp: 58206

Ion Ratio Lower Upper

228 100

226 31.6 24.4 36.6

229 24.8 15.5 23.3#



#90

Benzo(b)fluoranthene

Concen: 5.114 ng/ul

RT: 23.735 min Scan# 3514

Delta R.T. 0.007 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

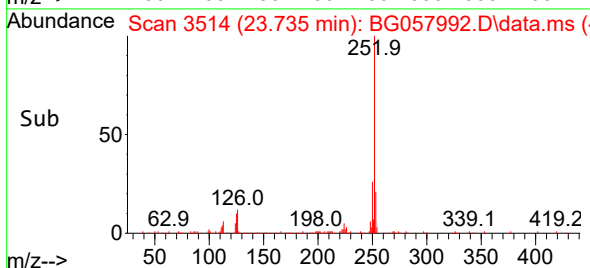
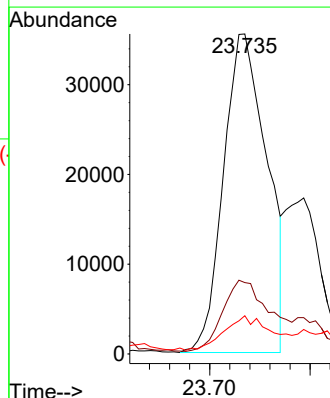
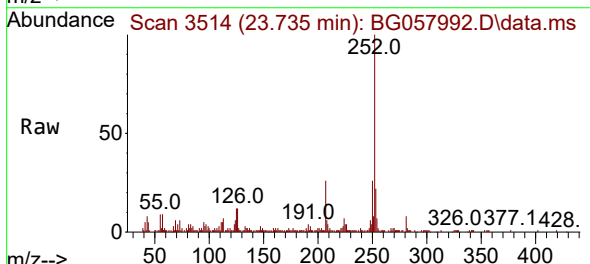
Tgt Ion:252 Resp: 106466

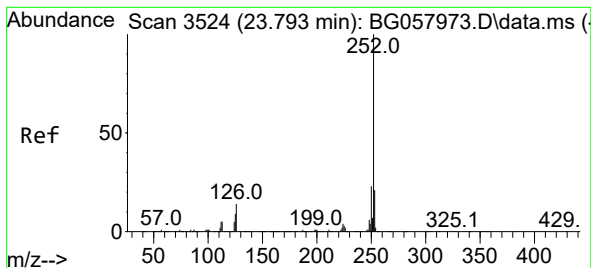
Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 12.0 7.5 11.3#





#91

Benzo(k)fluoranthene

Concen: 5.217 ng/ul

RT: 23.735 min Scan# 3514

Delta R.T. -0.058 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

Instrument :

BNA\_G

ClientSampleId :

DCGN1

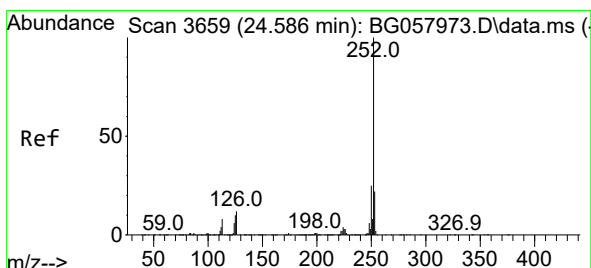
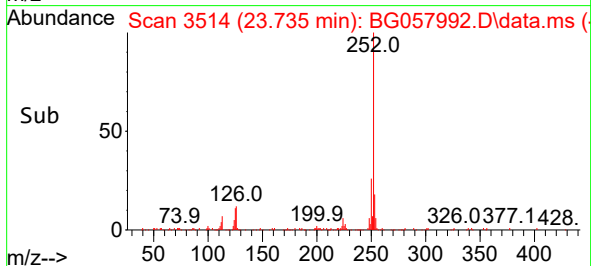
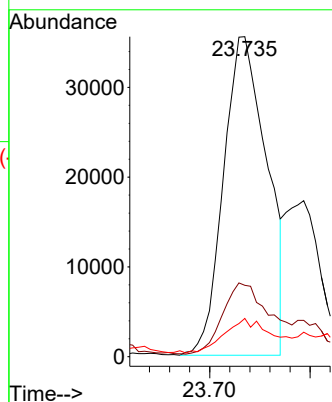
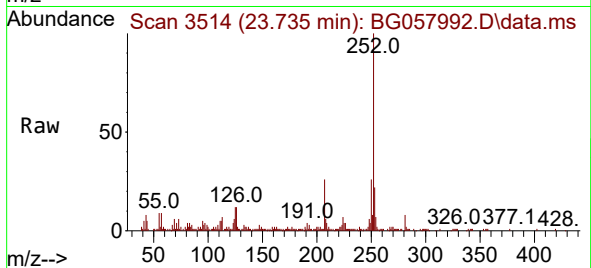
Tgt Ion:252 Resp: 106466

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.0 7.4 11.2#



#93

Benzo(a)pyrene

Concen: 3.186 ng/ul

RT: 24.593 min Scan# 3660

Delta R.T. 0.007 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

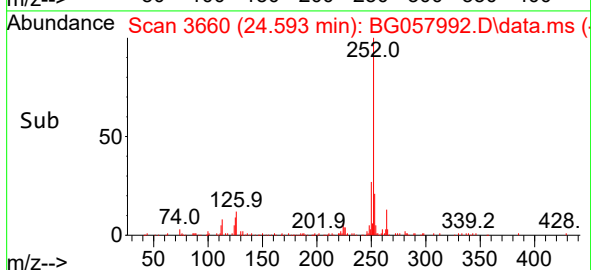
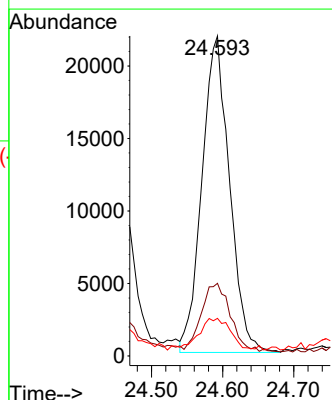
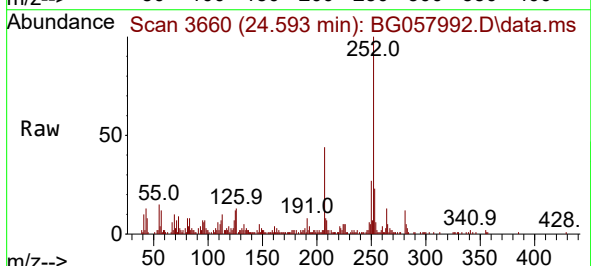
Tgt Ion:252 Resp: 58712

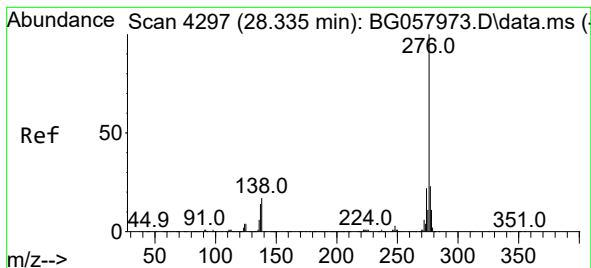
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 11.8 8.3 12.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.869 ng/ul

RT: 28.341 min Scan# 41

Delta R.T. 0.007 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

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BNA\_G

ClientSampleId :

DCGN1

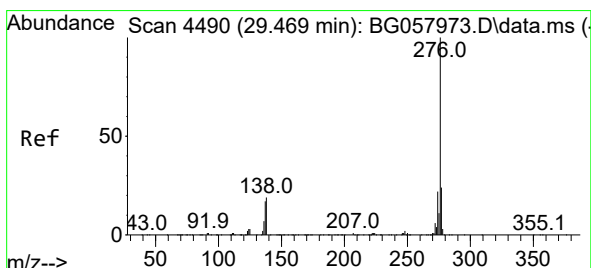
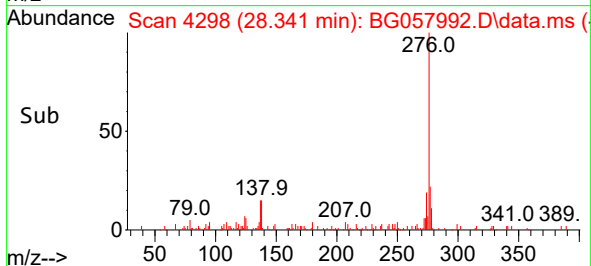
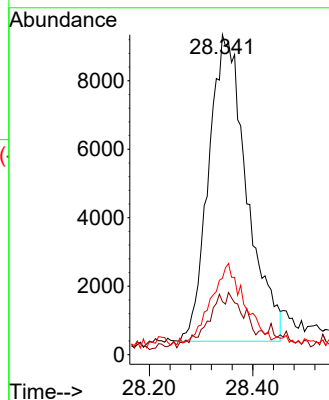
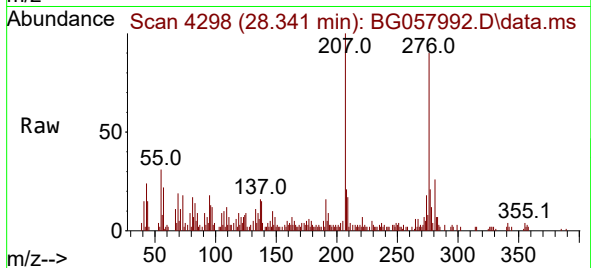
Tgt Ion:276 Resp: 45741

Ion Ratio Lower Upper

276 100

138 20.8 14.0 21.0

277 23.9 19.4 29.2



#96

Benzo(g,h,i)perylene

Concen: 1.747 ng/ul

RT: 29.475 min Scan# 4491

Delta R.T. 0.007 min

Lab File: BG057992.D

Acq: 4 Jul 2023 18:16

Tgt Ion:276 Resp: 34912

Ion Ratio Lower Upper

276 100

138 21.3 14.2 21.2#

277 22.7 18.6 27.8

