

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057277.D  
 Acq On : 2 May 2023 13:43  
 Operator : CG/JU  
 Sample : 02417-15DL 2X  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y1DL

Quant Time: May 03 02:04:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 12:45:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/03/2023  
 Supervised By : Jagrut Upadhyay 05/03/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.383  | 152  | 16707    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.221 | 136  | 69884    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.992 | 164  | 49211    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.735 | 188  | 103624   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.053 | 240  | 86333    | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.578 | 264  | 91919    | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.660  | 96   | 238      | 0.627  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.526  | 99   | 10848    | 6.866  | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.684  | 67   | 6747     | 7.260  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.908  | 132  | 7949     | 7.634  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.082  | 113  | 6323     | 5.265  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.558  | 128  | 4362     | 7.838  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.287 | 143  | 4755     | 7.321  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.833 | 165  | 9553     | 7.624  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.356 | 131  | 2099     | 1.264  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.375 | 166  | 31090    | 7.973  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.693 | 160  | 36996    | 8.442  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.192 | 143  | 2013m    | 3.547  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.979 | 176  | 28631    | 7.882  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.102 | 200  | 1264     | 2.059  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.835 | 188  | 41766    | 8.830  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.097 | 212  | 46398    | 9.054  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.331 | 264  | 41730    | 8.911  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 7.561  | 94   | 10521m   | 6.607  | ng/u1  |          |
| 16) Acetophenone              | 9.212  | 105  | 3200     | 1.549  | ng/u1# | 90       |
| 37) 1-Methylnaphthalene       | 13.065 | 142  | 2993     | 1.058  | ng/u1# | 99       |
| 52) Acenaphthene              | 15.057 | 153  | 5485     | 1.729  | ng/u1  | 98       |
| 56) Dibenzofuran              | 15.392 | 168  | 5348     | 1.167  | ng/u1  | 98       |
| 61) Fluorene                  | 16.032 | 166  | 8797     | 2.270  | ng/u1  | 97       |
| 72) Phenanthrene              | 17.777 | 178  | 170156   | 31.532 | ng/u1  | 97       |
| 74) Anthracene                | 17.871 | 178  | 33729    | 6.222  | ng/u1  | 98       |
| 77) Carbazole                 | 18.129 | 167  | 11503    | 2.539  | ng/u1# | 92       |
| 80) Fluoranthene              | 19.768 | 202  | 320968   | 52.728 | ng/u1  | 97       |
| 82) Pyrene                    | 20.132 | 202  | 295580   | 47.965 | ng/u1# | 96       |
| 85) Benzo(a)anthracene        | 22.030 | 228  | 161897   | 26.515 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.871 | 149  | 5433     | 1.893  | ng/u1# | 99       |
| 87) Chrysene                  | 22.100 | 228  | 151267   | 26.258 | ng/u1  | 95       |
| 90) Benzo(b)fluoranthene      | 24.450 | 252  | 195470   | 30.709 | ng/u1# | 96       |
| 91) Benzo(k)fluoranthene      | 24.515 | 252  | 69844m   | 11.278 | ng/u1  |          |
| 93) Benzo(a)pyrene            | 25.413 | 252  | 140208m  | 25.514 | ng/u1  |          |
| 94) Indeno(1,2,3-cd)pyrene    | 29.643 | 276  | 80895m   | 11.776 | ng/u1  |          |
| 95) Dibenzo(a,h)anthracene    | 29.690 | 278  | 22112m   | 3.882  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 30.941 | 276  | 66811m   | 12.018 | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

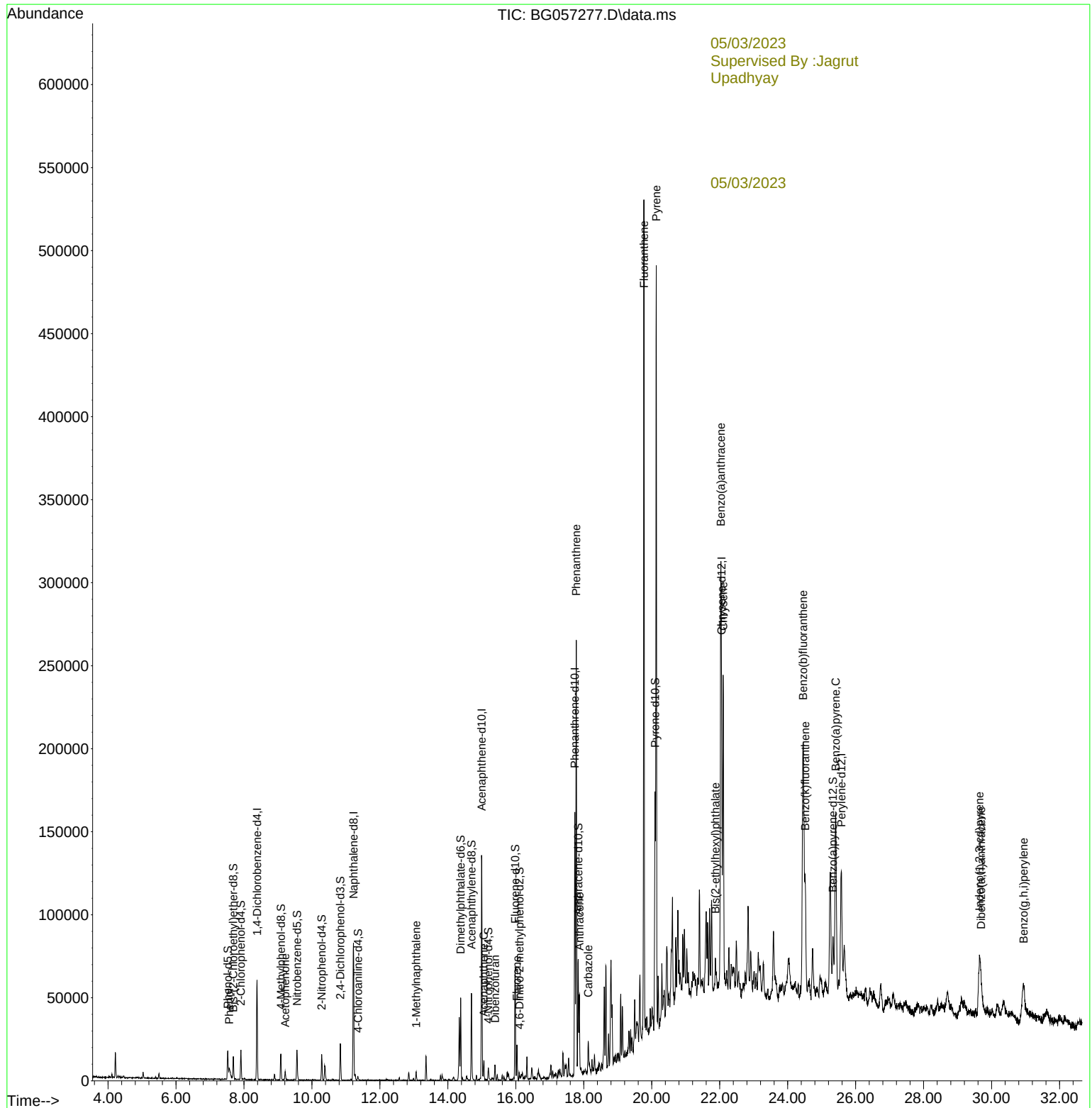
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Data File : BG057277.D  
Acq On : 2 May 2023 13:43  
Operator : CG/JU  
Sample : 02417-15DL 2X  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

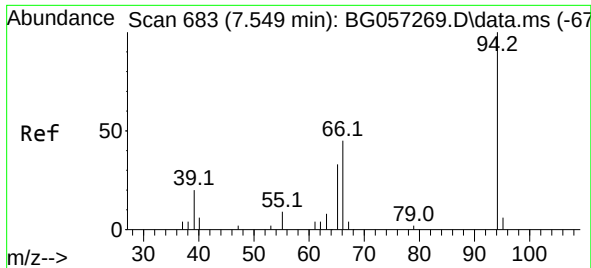
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL

Quant Time: May 03 02:04:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 01 12:45:38 2023  
Response via : Initial Calibration

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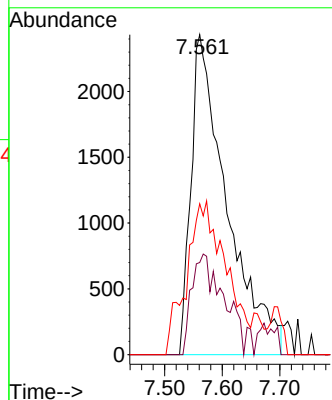
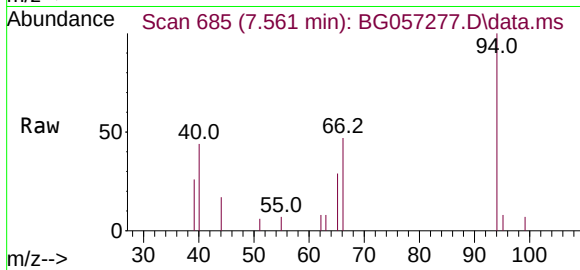
#8  
Phenol  
Concen: 6.607 ng/ul m  
RT: 7.561 min Scan# 683  
Delta R.T. 0.020 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL

Tgt Ion: 94 Resp: 1052  
Ion Ratio Lower Upper  
94 100  
65 28.8 25.5 38.3  
66 47.1 36.9 55.3

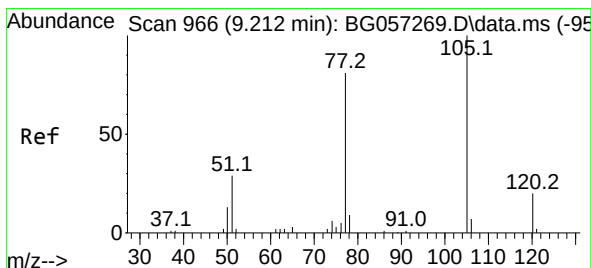
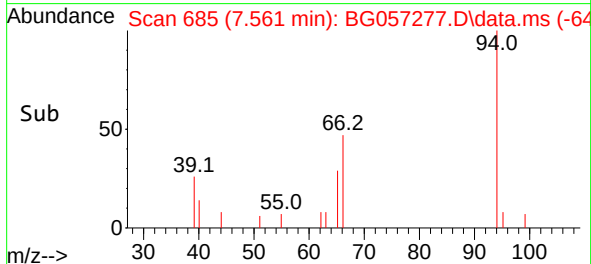
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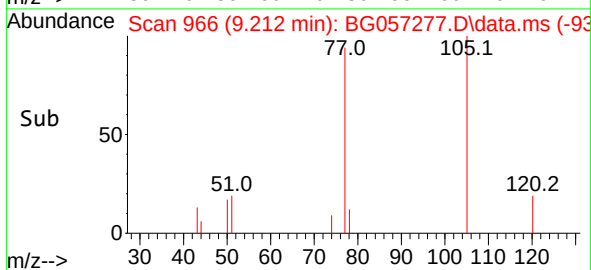
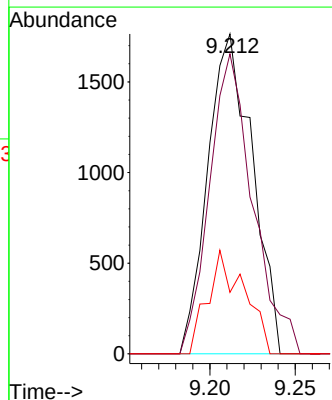
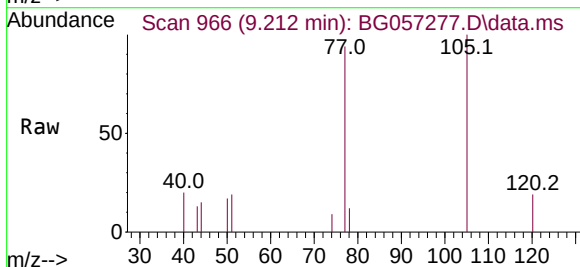
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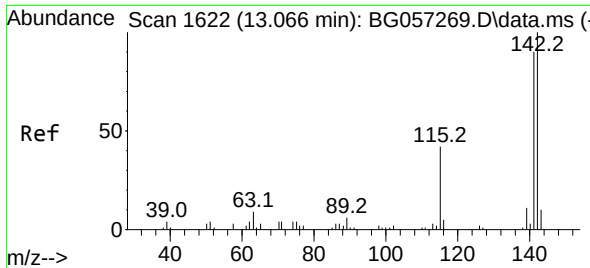
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#16  
Acetophenone  
Concen: 1.549 ng/ul  
RT: 9.212 min Scan# 966  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

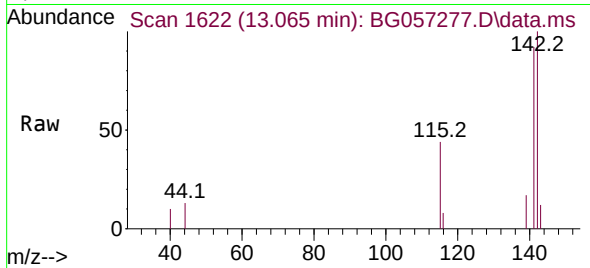
Tgt Ion:105 Resp: 3200  
Ion Ratio Lower Upper  
105 100  
77 93.7 70.6 105.8  
51 19.2 24.5 36.7#





#37  
1-Methylnaphthalene  
Concen: 1.058 ng/ul  
RT: 13.065 min Scan# 10  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

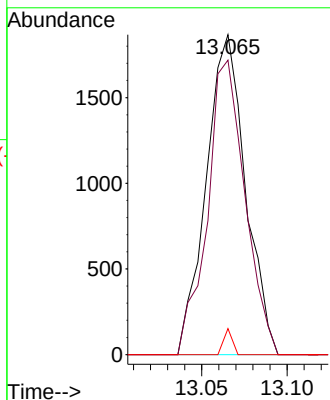
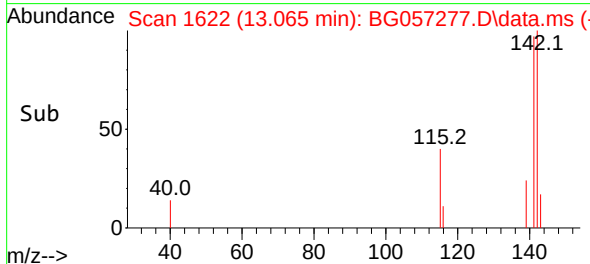
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL



Tgt Ion:142 Resp: 2993  
Ion Ratio Lower Upper  
142 100  
141 92.0 72.9 109.3  
116 8.1 3.2 4.8

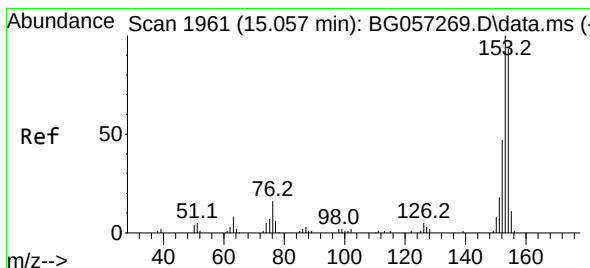
Manual Integrations  
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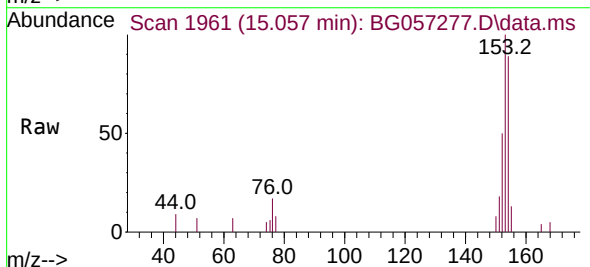


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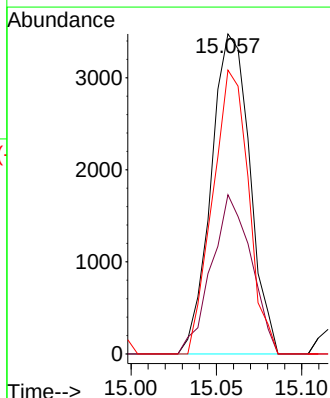
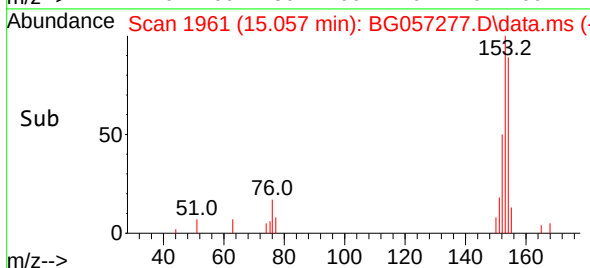
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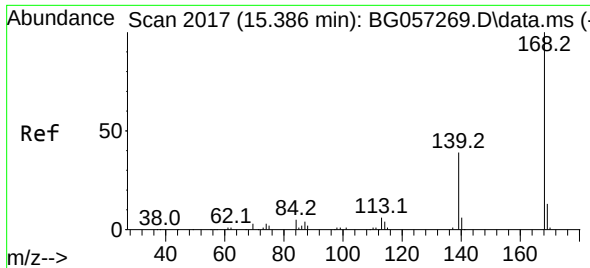


#52  
Acenaphthene  
Concen: 1.729 ng/ul  
RT: 15.057 min Scan# 1961  
Delta R.T. -0.004 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43



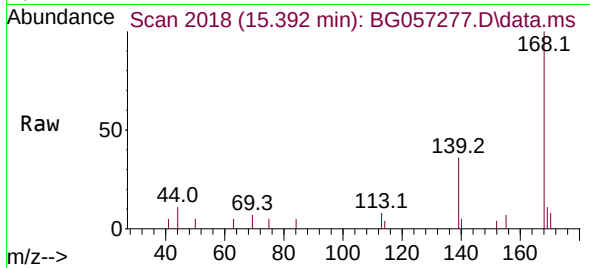
Tgt Ion:153 Resp: 5485  
Ion Ratio Lower Upper  
153 100  
152 49.8 36.5 54.7  
154 88.7 70.6 106.0





#56  
Dibenzofuran  
Concen: 1.167 ng/ul  
RT: 15.392 min Scan# 2017  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

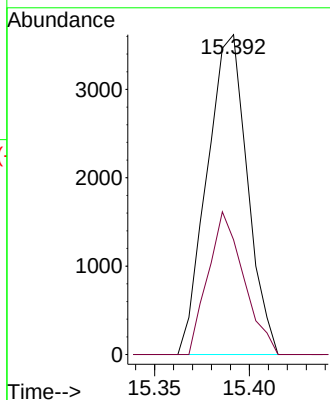
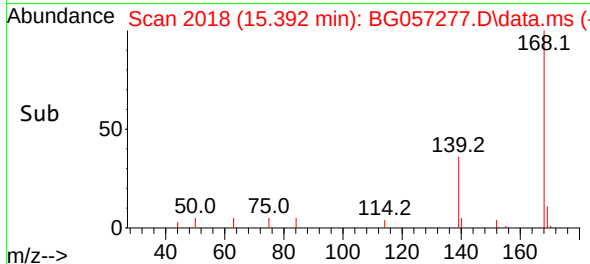
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL



Tgt Ion:168 Resp: 5348  
Ion Ratio Lower Upper  
168 100  
139 35.9 29.6 44.4

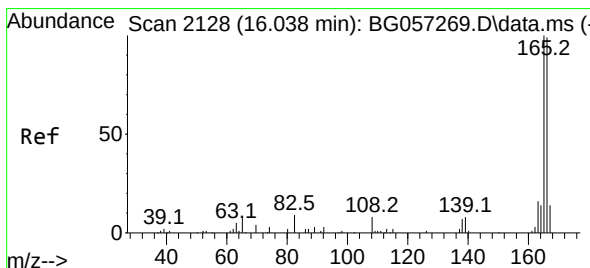
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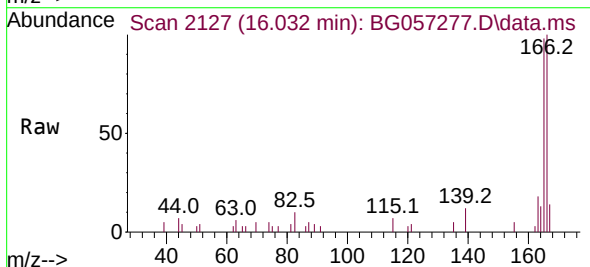


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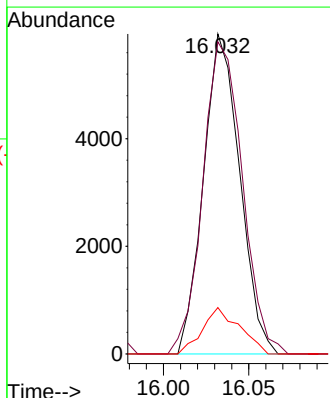
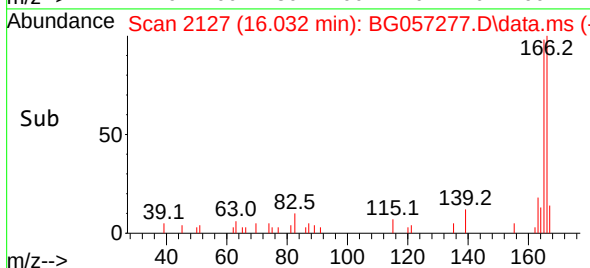
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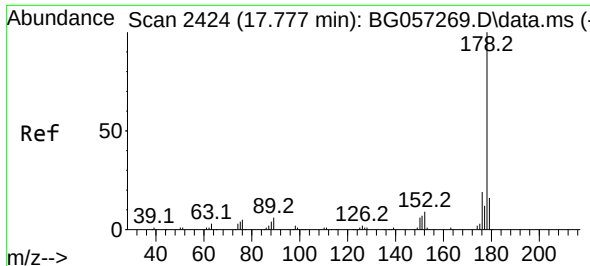


#61  
Fluorene  
Concen: 2.270 ng/ul  
RT: 16.032 min Scan# 2127  
Delta R.T. -0.004 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43



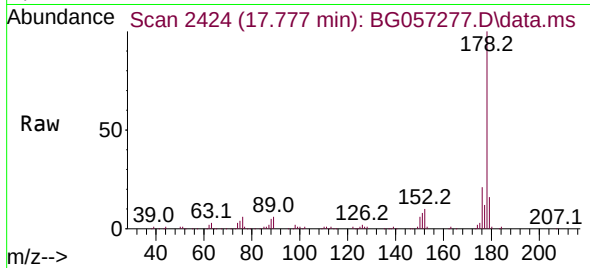
Tgt Ion:166 Resp: 8797  
Ion Ratio Lower Upper  
166 100  
165 97.5 80.1 120.1  
167 14.5 10.2 15.4





#72  
Phenanthrene  
Concen: 31.532 ng/ul  
RT: 17.777 min Scan# 2424  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

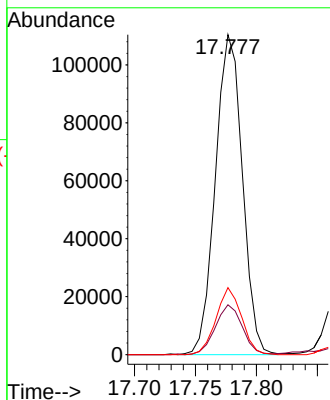
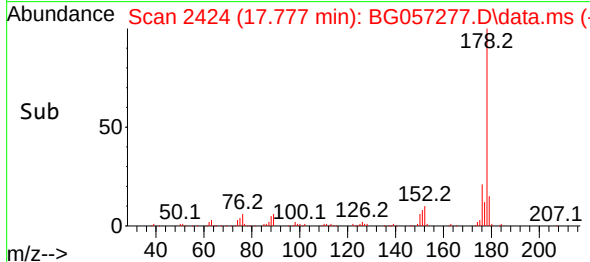
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL



Tgt Ion:178 Resp: 170156  
Ion Ratio Lower Upper  
178 100  
179 15.6 11.8 17.8  
176 21.0 15.4 23.0

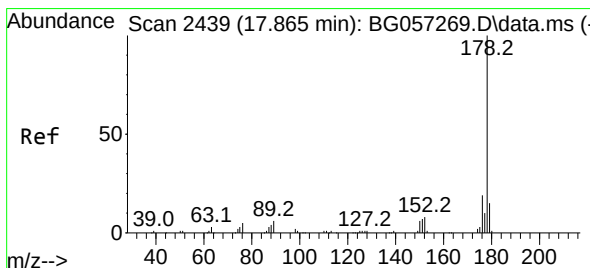
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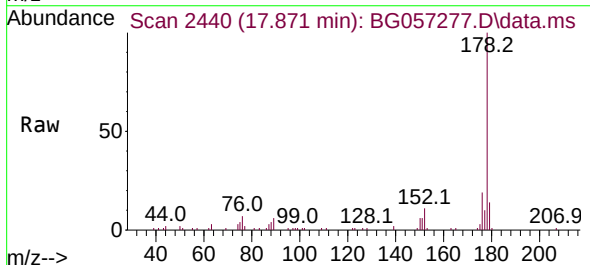


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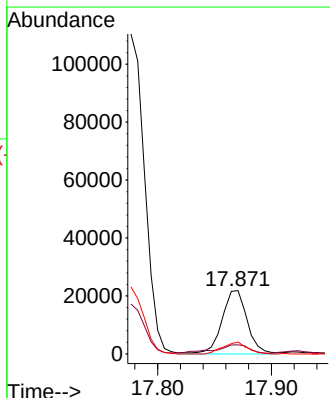
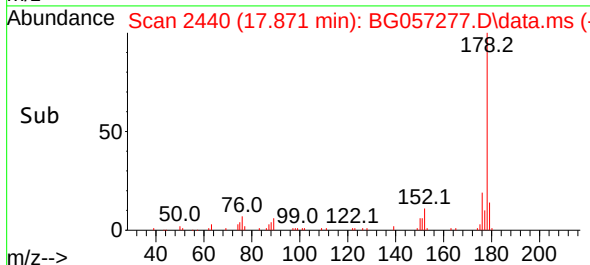
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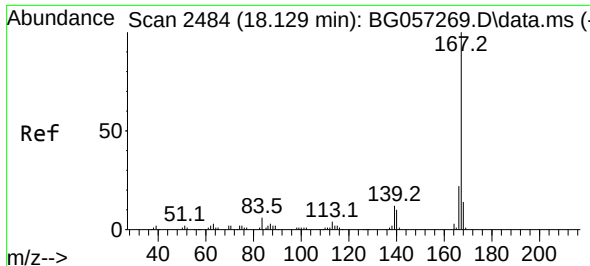


#74  
Anthracene  
Concen: 6.222 ng/ul  
RT: 17.871 min Scan# 2440  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43



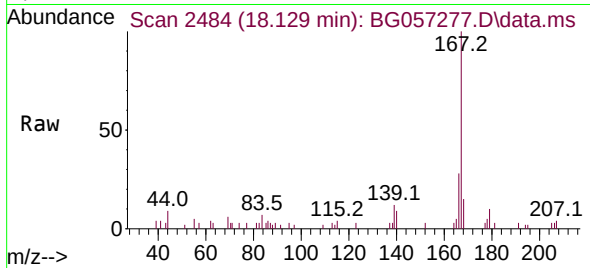
Tgt Ion:178 Resp: 33729  
Ion Ratio Lower Upper  
178 100  
179 14.4 12.5 18.7  
176 18.9 14.7 22.1





#77  
 Carbazole  
 Concen: 2.539 ng/ul  
 RT: 18.129 min Scan# 2484  
 Delta R.T. -0.004 min  
 Lab File: BG057277.D  
 Acq: 2 May 2023 13:43

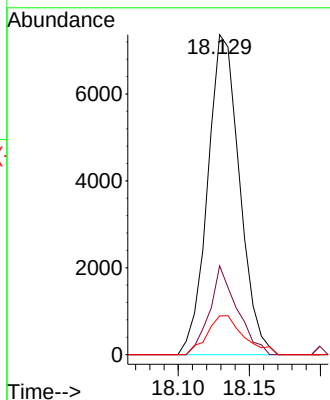
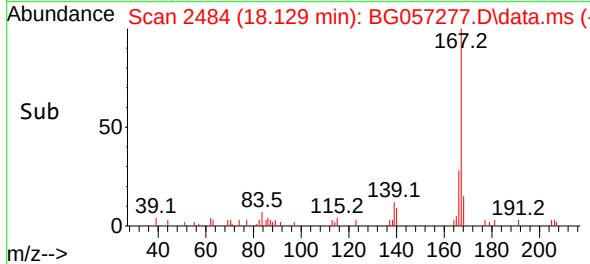
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y1DL



Tgt Ion:167 Resp: 11503  
 Ion Ratio Lower Upper  
 167 100  
 166 27.7 18.0 27.0  
 139 12.1 10.3 15.5

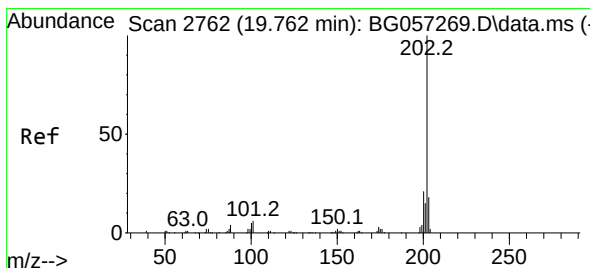
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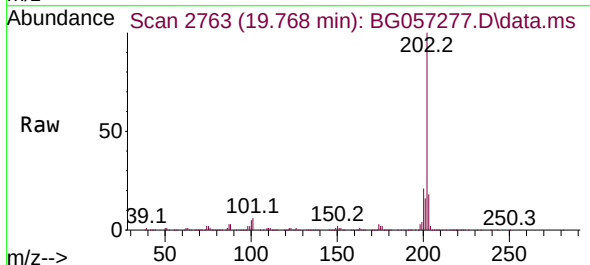


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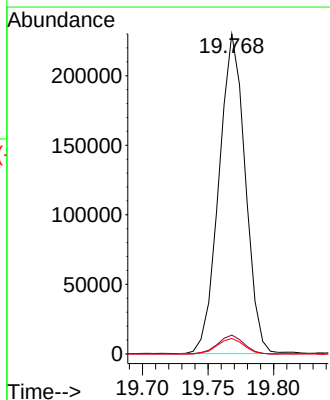
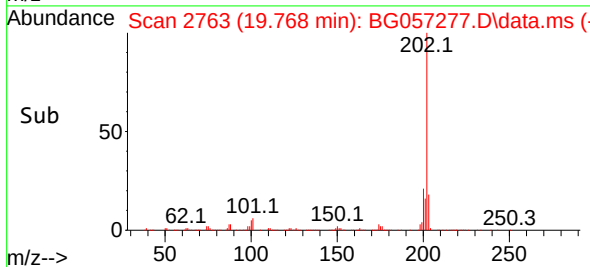
05/03/2023

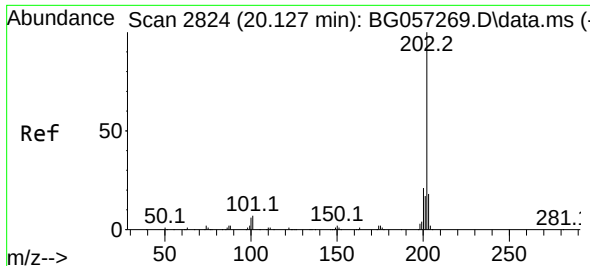


#80  
 Fluoranthene  
 Concen: 52.728 ng/ul  
 RT: 19.768 min Scan# 2763  
 Delta R.T. 0.002 min  
 Lab File: BG057277.D  
 Acq: 2 May 2023 13:43



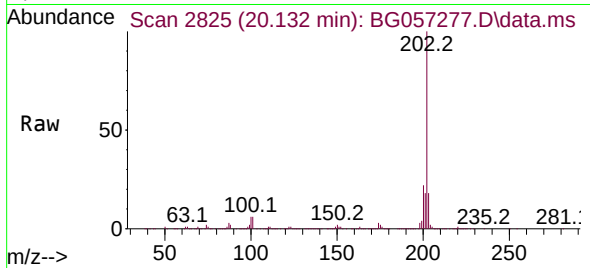
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 Ion Ratio Lower Upper  
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 101 5.9 5.8 8.6  
 100 4.8 4.6 7.0





#82  
 Pyrene  
 Concen: 47.965 ng/ul  
 RT: 20.132 min Scan# 2824  
 Delta R.T. 0.008 min  
 Lab File: BG057277.D  
 Acq: 2 May 2023 13:43

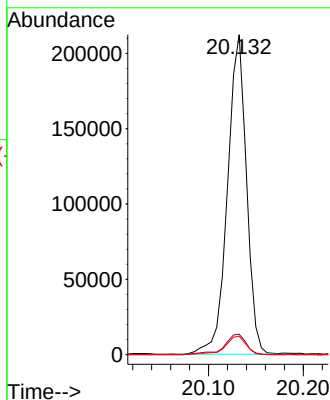
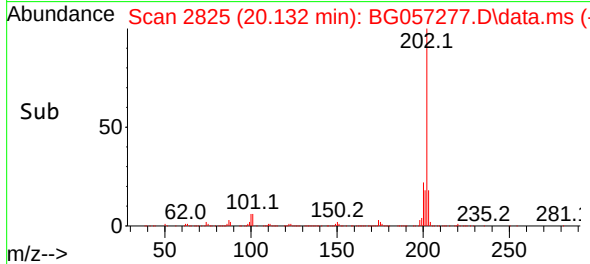
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW8Y1DL



Tgt Ion:202 Resp: 295580  
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 101 6.4 5.7 8.5  
 100 5.8 6.0 9.0

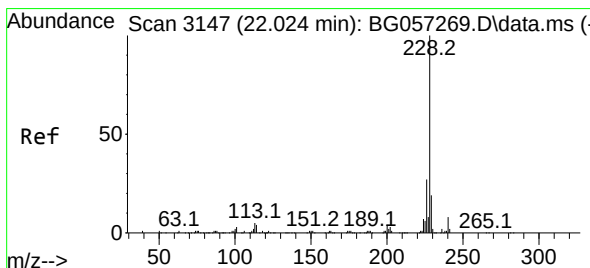
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 Supervised By :Jagrut Upadhyay 05/03/2023

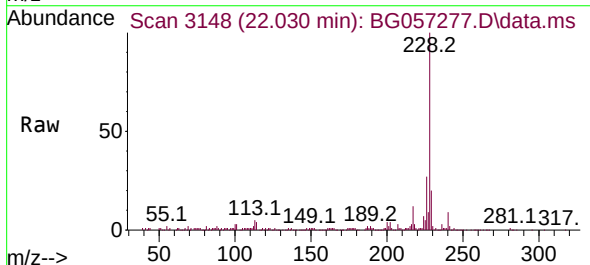


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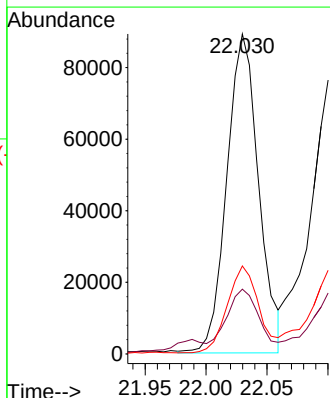
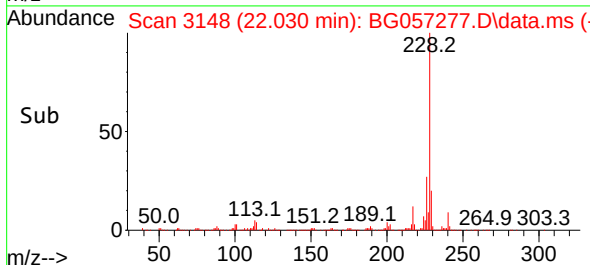
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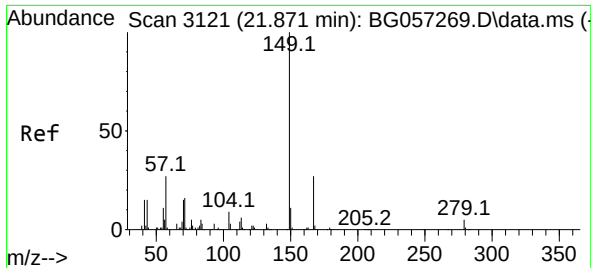
#85  
 Benzo(a)anthracene  
 Concen: 26.515 ng/ul  
 RT: 22.030 min Scan# 3148  
 Delta R.T. 0.002 min  
 Lab File: BG057277.D  
 Acq: 2 May 2023 13:43



Tgt Ion:228 Resp: 161897  
 Ion Ratio Lower Upper  
 228 100  
 229 20.2 15.8 23.6  
 226 27.5 21.7 32.5







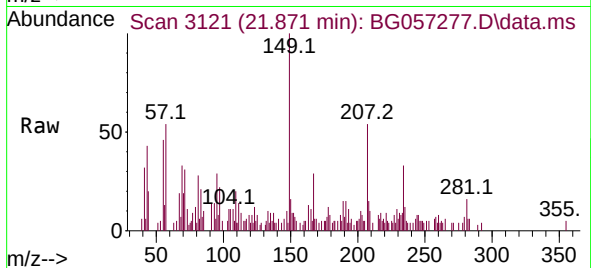
#86  
Bis(2-ethylhexyl)phthalate  
Concen: 1.893 ng/ul  
RT: 21.871 min Scan# 3121  
Delta R.T. -0.004 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

Instrument :

BNA\_G

ClientSampleId :

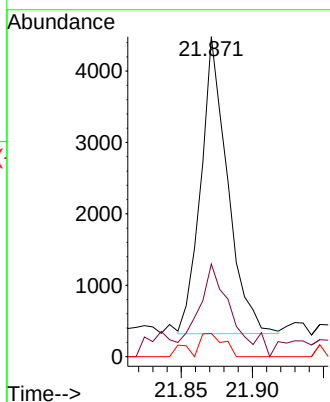
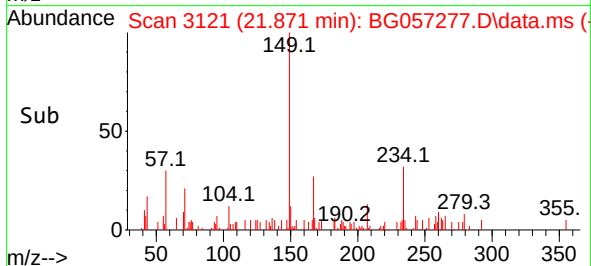
EW8Y1DL



Tgt Ion:149 Resp: 5433  
Ion Ratio Lower Upper  
149 100  
167 28.9 23.0 34.6  
279 7.2 3.6 5.4

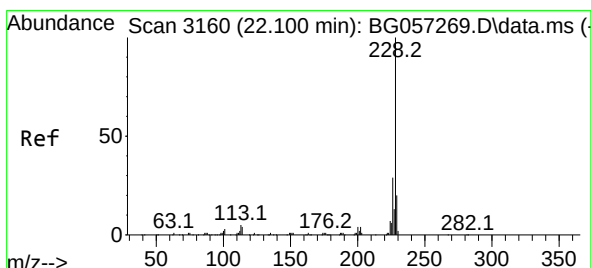
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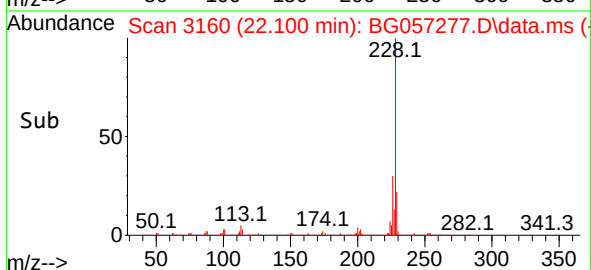
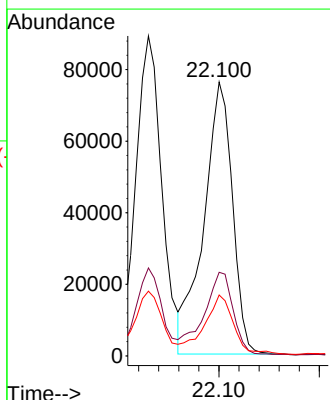
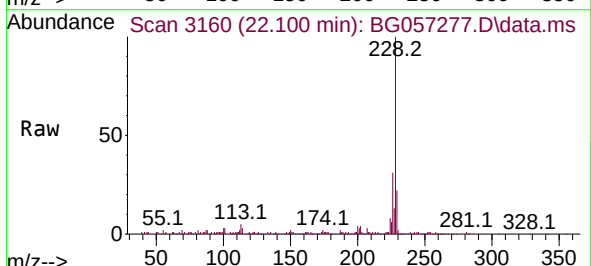
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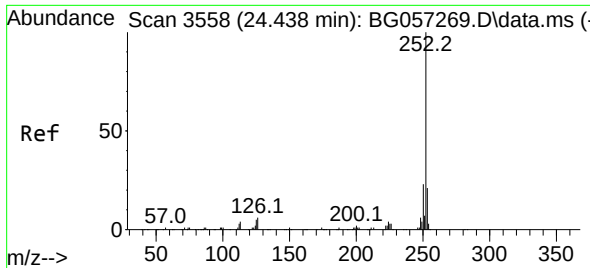
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#87  
Chrysene  
Concen: 26.258 ng/ul  
RT: 22.100 min Scan# 3160  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

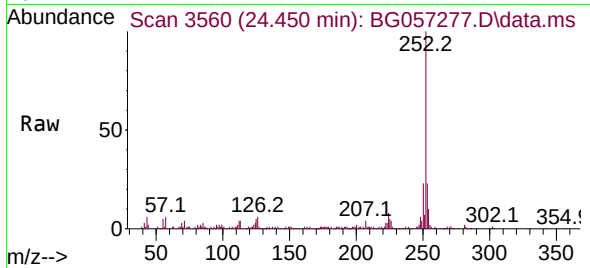
Tgt Ion:228 Resp: 151267  
Ion Ratio Lower Upper  
228 100  
226 30.5 22.8 34.2  
229 22.2 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 30.709 ng/ul  
RT: 24.450 min Scan# 3560  
Delta R.T. 0.014 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

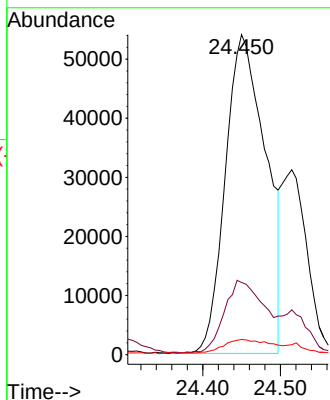
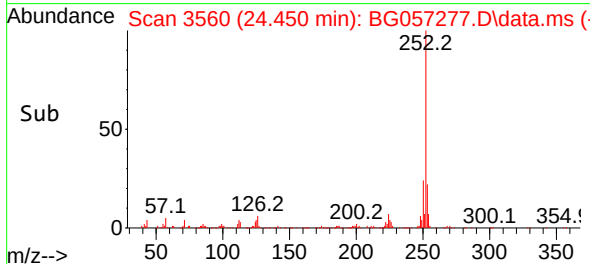
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL



Tgt Ion:252 Resp: 195476  
Ion Ratio Lower Upper  
252 100  
253 22.5 16.7 25.1  
125 4.7 4.8 7.2

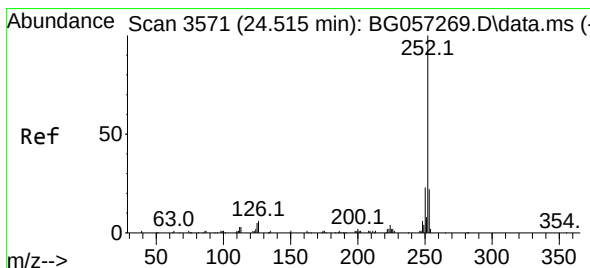
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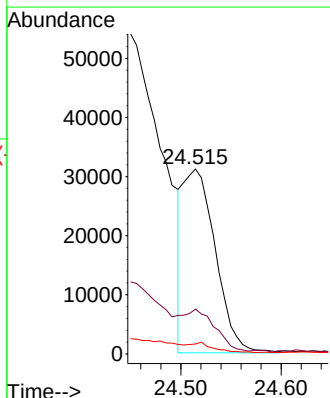
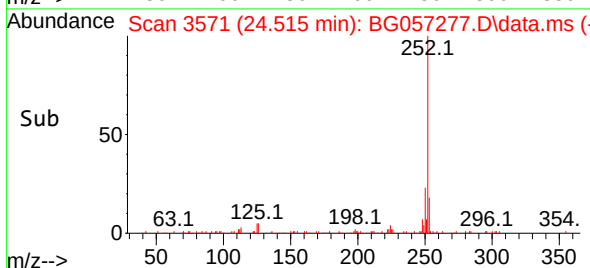
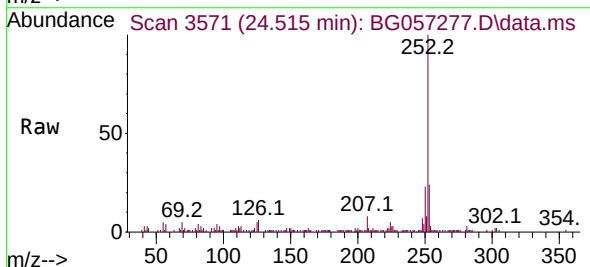
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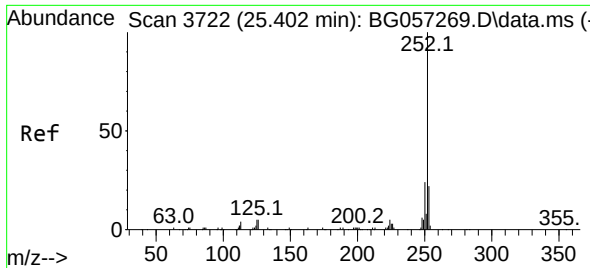
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#91  
Benzo(k)fluoranthene  
Concen: 11.278 ng/ul m  
RT: 24.515 min Scan# 3571  
Delta R.T. 0.002 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

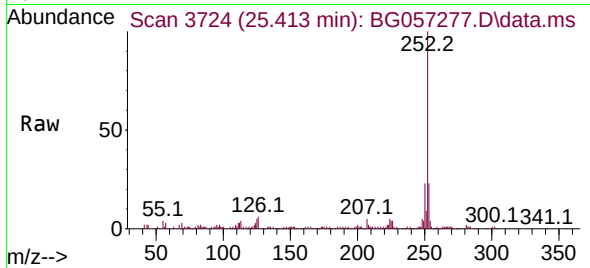
Tgt Ion:252 Resp: 69844  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.7 26.5  
125 5.3 4.5 6.7





#93  
Benzo(a)pyrene  
Concen: 25.514 ng/ul m  
RT: 25.413 min Scan# 3722  
Delta R.T. 0.014 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

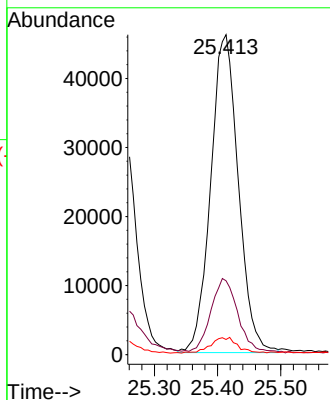
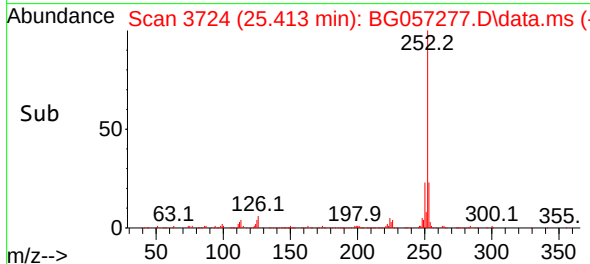
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL



Tgt Ion:252 Resp: 140208  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.2 25.8  
125 4.7 5.1 7.7

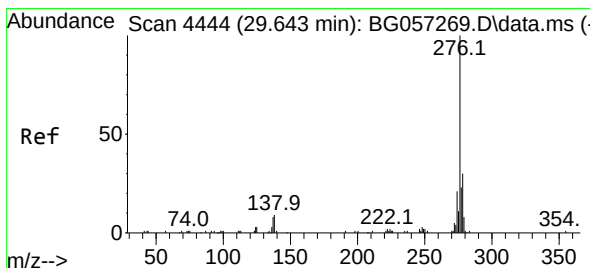
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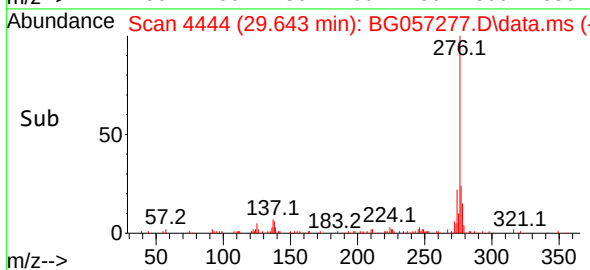
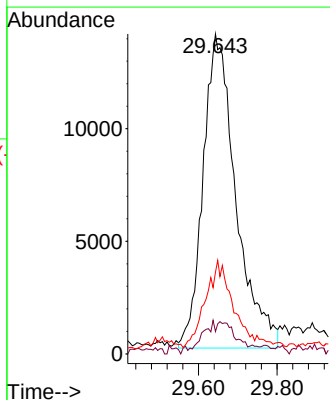
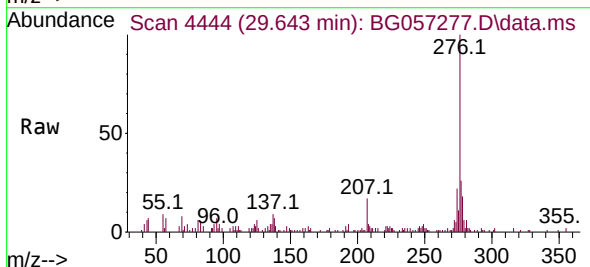
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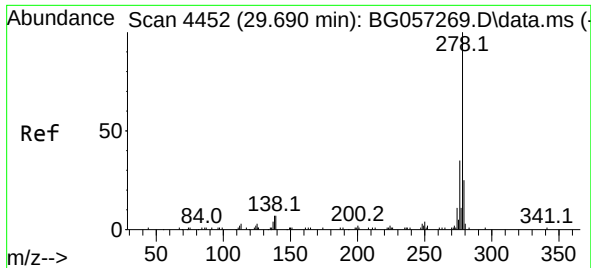
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#94  
Indeno(1,2,3-cd)pyrene  
Concen: 11.776 ng/ul m  
RT: 29.643 min Scan# 4444  
Delta R.T. 0.020 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

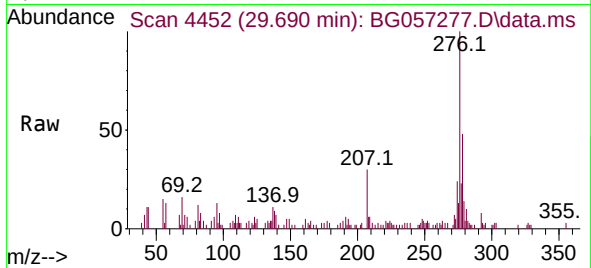
Tgt Ion:276 Resp: 80895  
Ion Ratio Lower Upper  
276 100  
138 7.0 9.4 14.2#  
277 25.5 18.6 28.0





#95  
Dibenzo(a,h)anthracene  
Concen: 3.882 ng/ul m  
RT: 29.690 min Scan# 4452  
Delta R.T. -0.004 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43

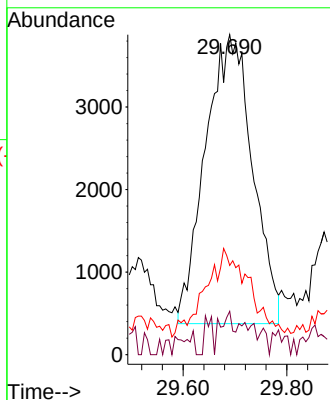
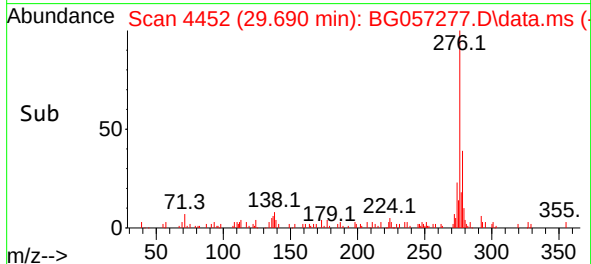
Instrument :  
BNA\_G  
ClientSampleId :  
EW8Y1DL



Tgt Ion:278 Resp: 22112  
Ion Ratio Lower Upper  
278 100  
139 13.5 5.8 8.6  
279 27.9 18.3 27.5

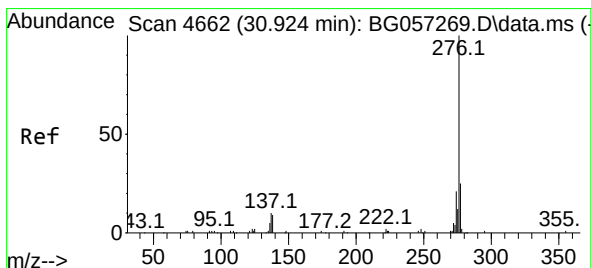
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Supervised By :Jagrut Upadhyay 05/03/2023

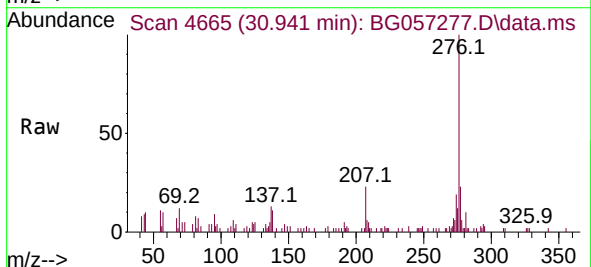


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#96  
Benzo(g,h,i)perylene  
Concen: 12.018 ng/ul m  
RT: 30.941 min Scan# 4665  
Delta R.T. 0.032 min  
Lab File: BG057277.D  
Acq: 2 May 2023 13:43



Tgt Ion:276 Resp: 66811  
Ion Ratio Lower Upper  
276 100  
138 11.5 8.7 13.1  
277 22.7 18.4 27.6

