

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG050123\  
 Data File : BG057267.D  
 Acq On : 2 May 2023 2:45  
 Operator : CG/JU  
 Sample : 02374-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB9D6

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023  
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 02 03:56:25 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

05/02/2023  
 Supervised By : Jagrut  
 Upadhyay

05/02/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.384  | 152  | 15876    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.221 | 136  | 64963    | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.999 | 164  | 48165    | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.736 | 188  | 107034   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 22.048 | 240  | 87652    | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 25.573 | 264  | 93854    | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.661  | 96   | 1079     | 2.991  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 7.521  | 99   | 28677    | 19.100 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.685  | 67   | 16587    | 18.783 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.908  | 132  | 20073    | 20.288 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.083  | 113  | 19194    | 16.820 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.559  | 128  | 10819    | 20.913 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.287 | 143  | 13060    | 21.631 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.834 | 165  | 24205    | 20.780 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.351 | 131  | 9521     | 6.167  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.382 | 166  | 80222    | 21.020 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.693 | 160  | 94202    | 21.962 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.187 | 143  | 7898     | 14.217 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.980 | 176  | 71401    | 20.083 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.097 | 200  | 7366     | 11.615 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.836 | 188  | 106193   | 21.736 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.098 | 212  | 125561   | 24.134 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.326 | 264  | 112235   | 23.472 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 9.212  | 105  | 4266     | 2.173  | ng/u1  | 97       |
| 72) Phenanthrene              | 17.777 | 178  | 26443    | 4.744  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.763 | 202  | 66401    | 10.744 | ng/u1  | 98       |
| 82) Pyrene                    | 20.127 | 202  | 61591    | 9.844  | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 22.024 | 228  | 34281    | 5.530  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.872 | 149  | 6344     | 2.177  | ng/u1# | 96       |
| 87) Chrysene                  | 22.095 | 228  | 36693m   | 6.274  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 24.445 | 252  | 51993m   | 8.000  | ng/u1  |          |
| 91) Benzo(k)fluoranthene      | 24.509 | 252  | 13536    | 2.141  | ng/u1  | 99       |
| 93) Benzo(a)pyrene            | 25.402 | 252  | 33021    | 5.885  | ng/u1# | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.626 | 276  | 22599m   | 3.222  | ng/u1  |          |
| 95) Dibenzo(a,h)anthracene    | 29.667 | 278  | 6306m    | 1.084  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 30.924 | 276  | 16000m   | 2.819  | ng/u1  |          |

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

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Sample : 02374-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

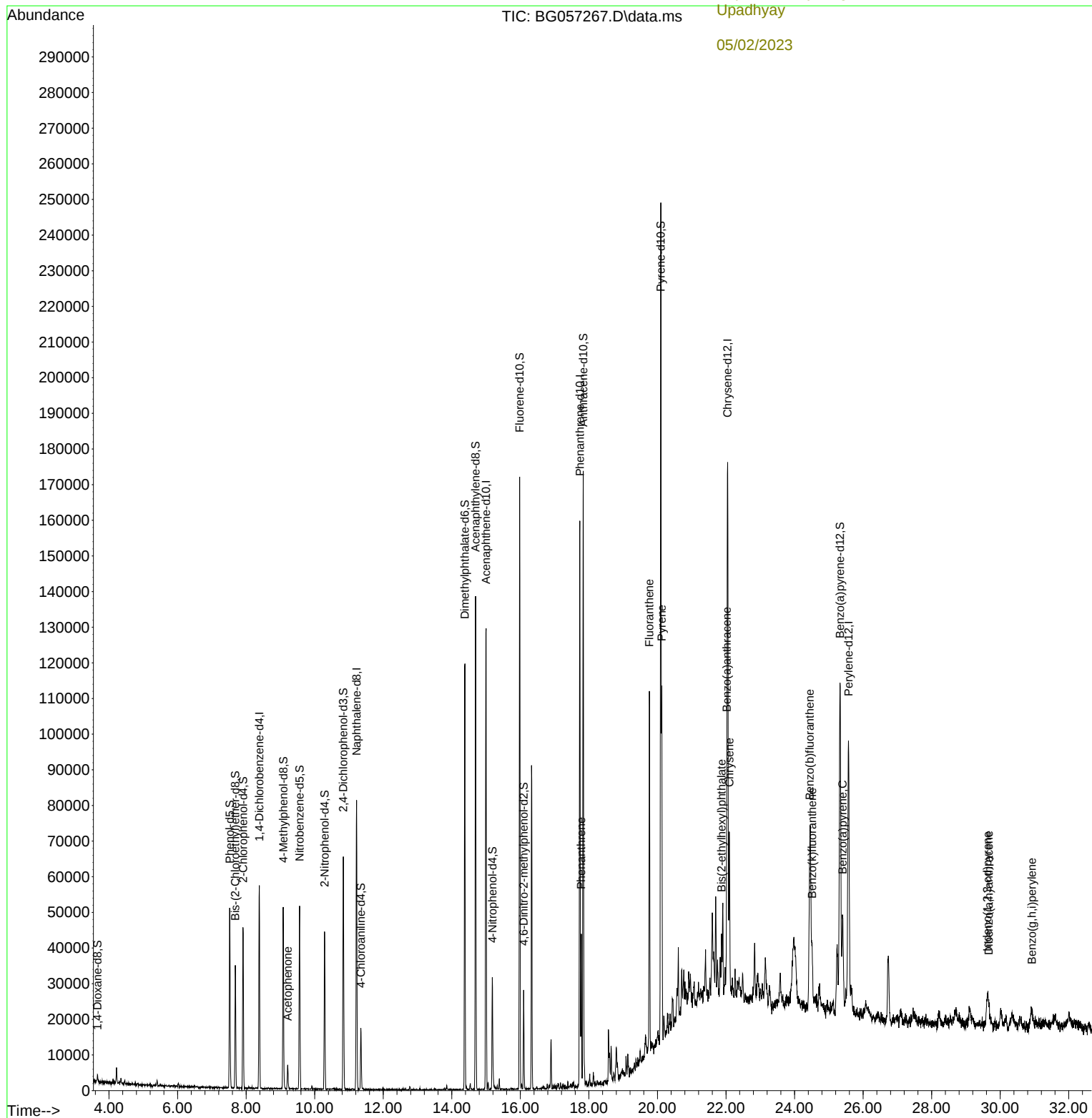
Instrument :  
BNA\_G  
ClientSampleId :  
CB9D6

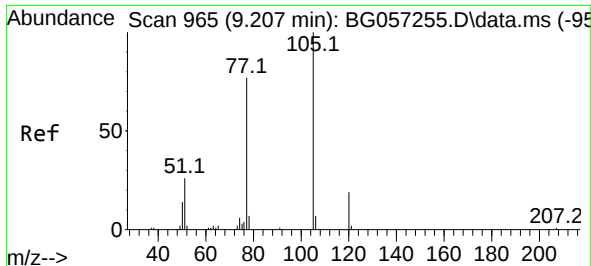
Manual Integrations  
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Upadhyay

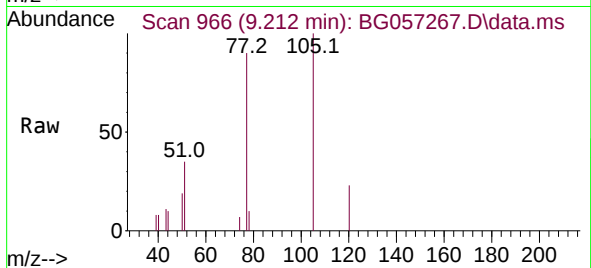
05/02/2023





#16  
Acetophenone  
Concen: 2.173 ng/ul  
RT: 9.212 min Scan# 90  
Delta R.T. 0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45

Instrument :  
BNA\_G  
ClientSampleId :  
CB9D6



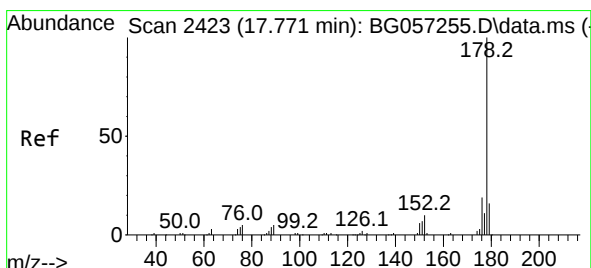
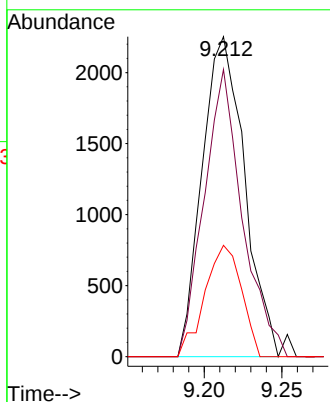
Tgt Ion:105 Resp: 4260  
Ion Ratio Lower Upper  
105 100  
77 89.7 70.6 105.8  
51 34.8 24.5 36.7

Manual Integrations  
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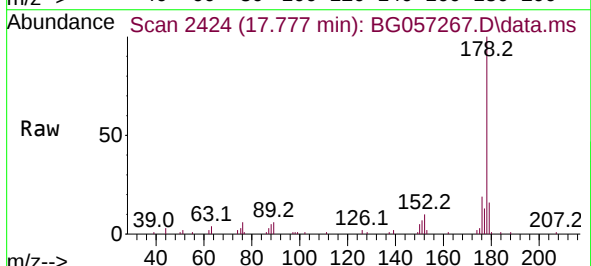
Reviewed By :Christian Giraldo 05/02/2023  
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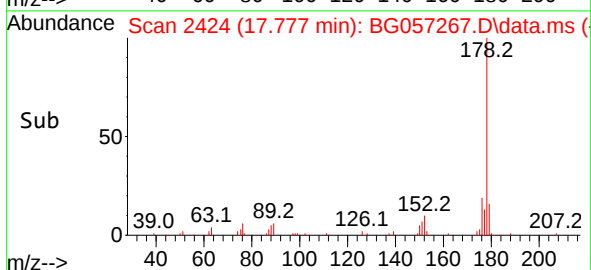
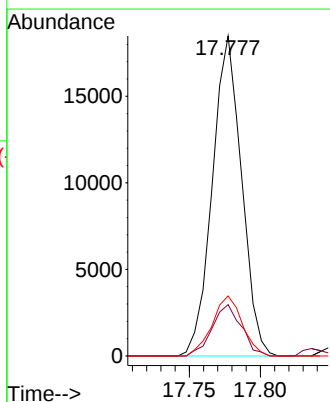
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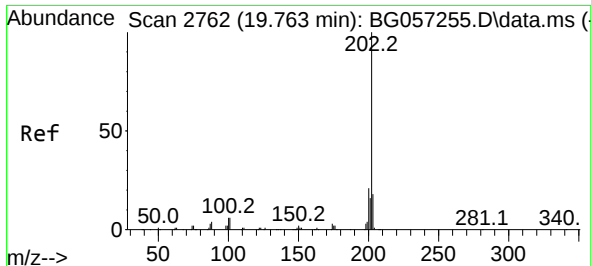


#72  
Phenanthrene  
Concen: 4.744 ng/ul  
RT: 17.777 min Scan# 2424  
Delta R.T. 0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45



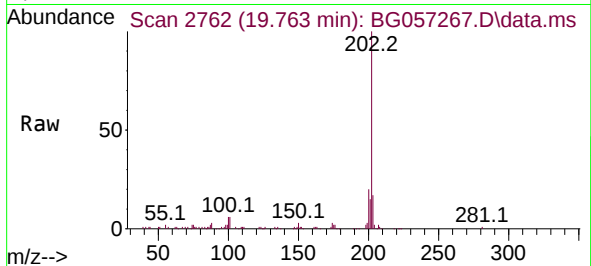
Tgt Ion:178 Resp: 26443  
Ion Ratio Lower Upper  
178 100  
179 16.1 11.8 17.8  
176 18.8 15.4 23.0





#80  
Fluoranthene  
Concen: 10.744 ng/ul  
RT: 19.763 min Scan# 2762  
Delta R.T. -0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45

Instrument :  
BNA\_G  
ClientSampleId :  
CB9D6



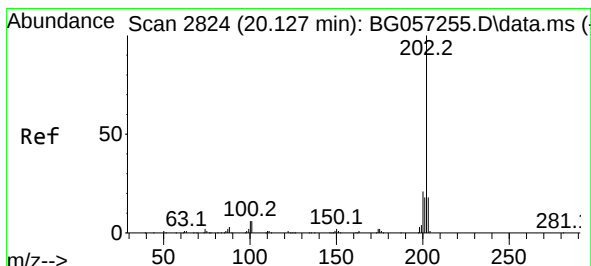
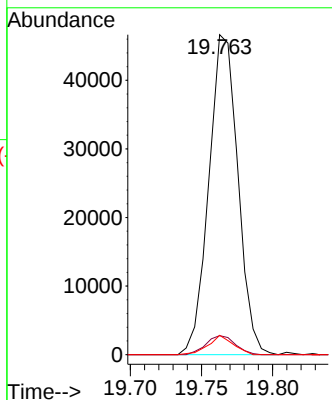
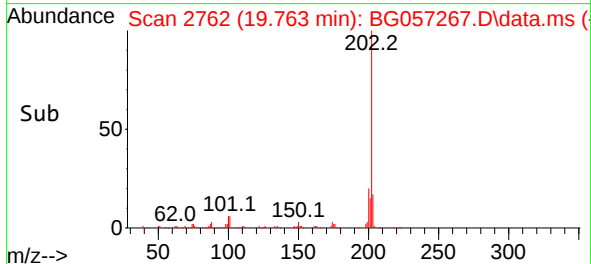
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101 5.9 5.8 8.6  
100 6.1 4.6 7.0

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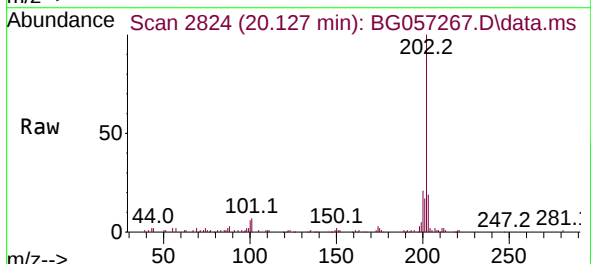
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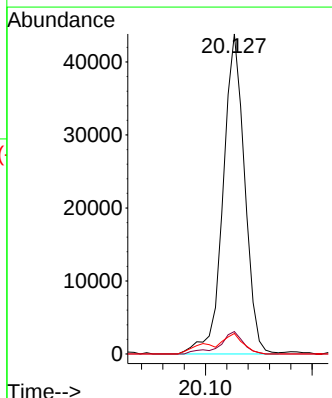
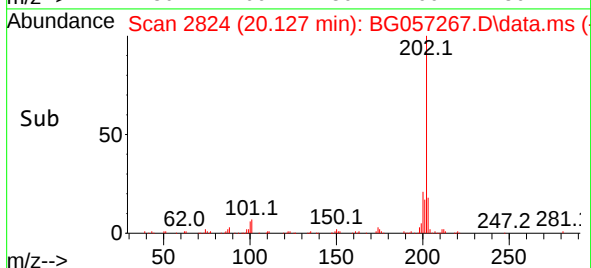
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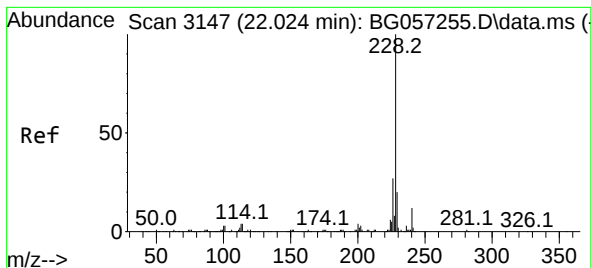


#82  
Pyrene  
Concen: 9.844 ng/ul  
RT: 20.127 min Scan# 2824  
Delta R.T. 0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45



Tgt Ion:202 Resp: 61591  
Ion Ratio Lower Upper  
202 100  
101 7.0 5.7 8.5  
100 6.4 6.0 9.0





#85

Benzo(a)anthracene

Concen: 5.530 ng/ul

RT: 22.024 min Scan# 3147

Delta R.T. -0.003 min

Lab File: BG057267.D

Acq: 2 May 2023 2:45

Instrument :

BNA\_G

ClientSampleId :

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|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 3428 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 19.8  | 15.8  | 23.6 |
| 226       | 28.6  | 21.7  | 32.5 |

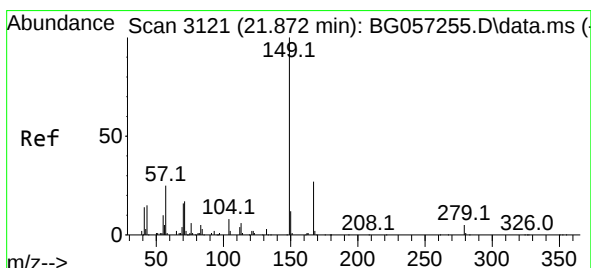
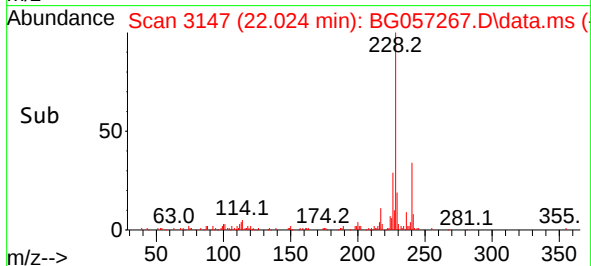
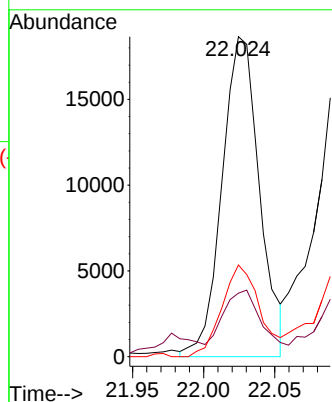
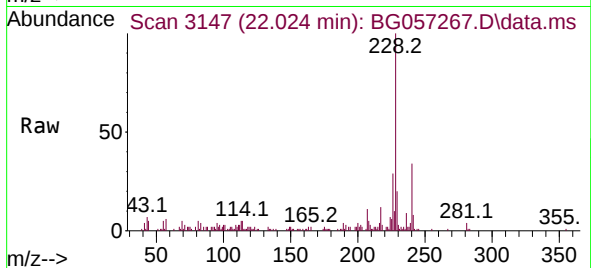
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05/02/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.177 ng/ul

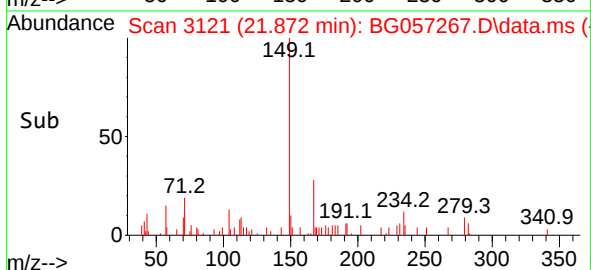
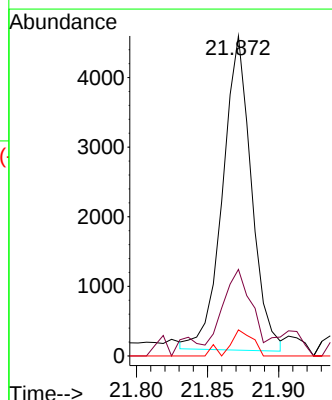
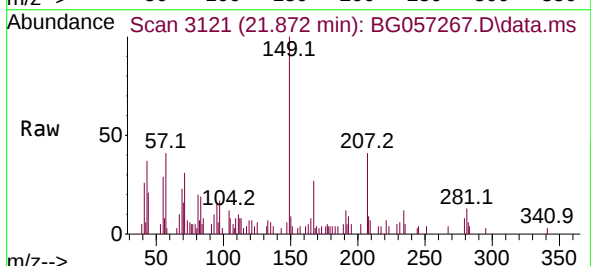
RT: 21.872 min Scan# 3121

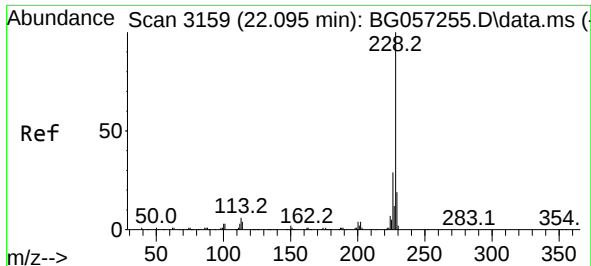
Delta R.T. -0.003 min

Lab File: BG057267.D

Acq: 2 May 2023 2:45

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 6344 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 27.1  | 23.0  | 34.6 |
| 279       | 8.2   | 3.6   | 5.4  |





#87

Chrysene

Concen: 6.274 ng/ul m

RT: 22.095 min Scan# 3159

Delta R.T. -0.003 min

Lab File: BG057267.D

Acq: 2 May 2023 2:45

Instrument :

BNA\_G

ClientSampleId :

CB9D6

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 3669      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.6  | 22.8 34.2 |
| 229         | 23.7  | 15.5 23.3 |

Manual Integrations

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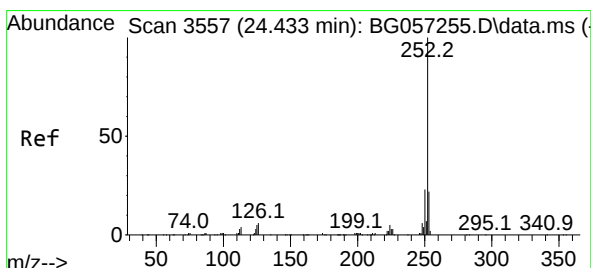
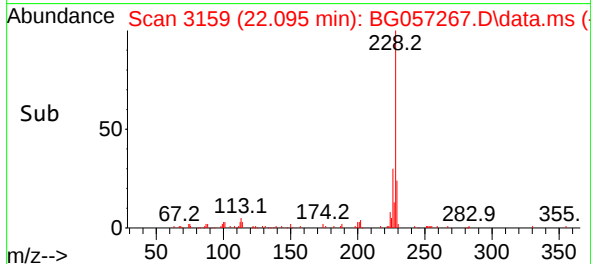
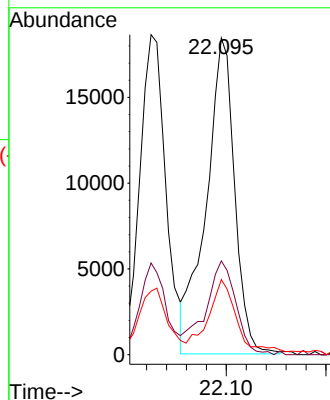
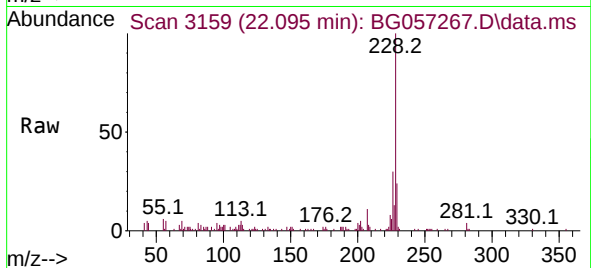
Reviewed By :Christian Giraldo 05/02/2023

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#90

Benzo(b)fluoranthene

Concen: 8.000 ng/ul m

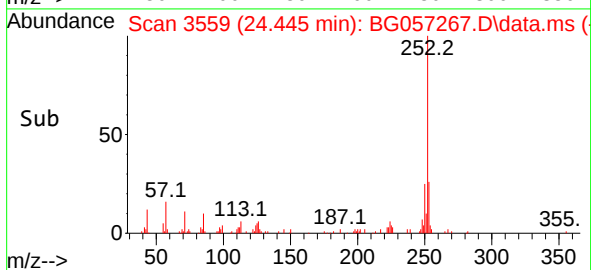
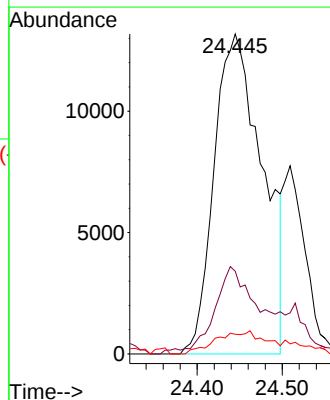
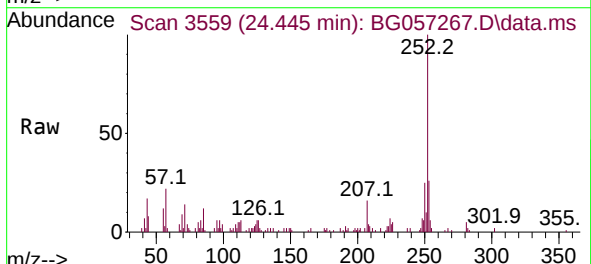
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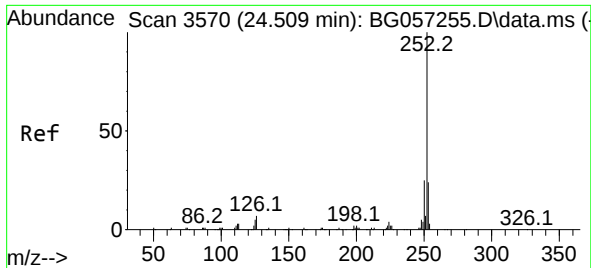
Delta R.T. 0.009 min

Lab File: BG057267.D

Acq: 2 May 2023 2:45

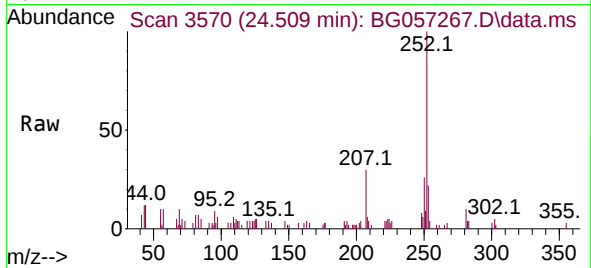
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 51993      |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 25.8  | 16.7 25.1# |
| 125         | 6.1   | 4.8 7.2    |





#91  
Benzo(k)fluoranthene  
Concen: 2.141 ng/u1  
RT: 24.509 min Scan# 3570  
Delta R.T. -0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45

Instrument :  
BNA\_G  
ClientSampleId :  
CB9D6



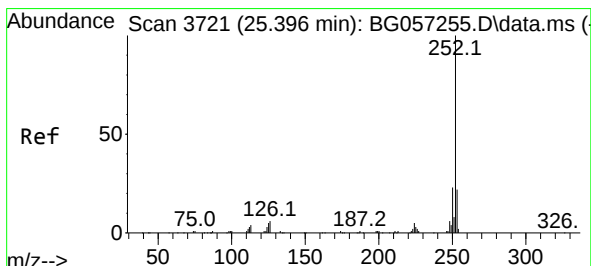
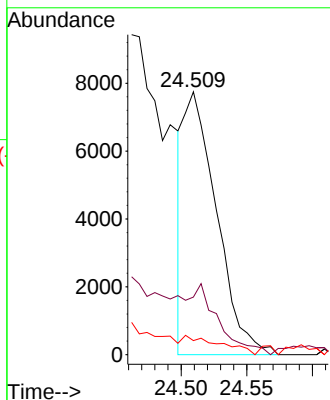
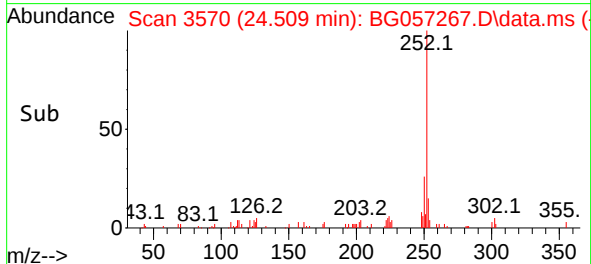
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Ion Ratio Lower Upper  
252 100  
253 21.9 17.7 26.5  
125 5.4 4.5 6.7

Manual Integrations  
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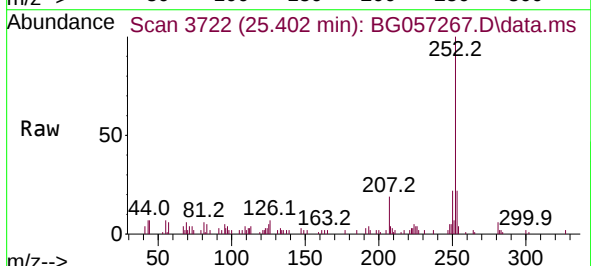
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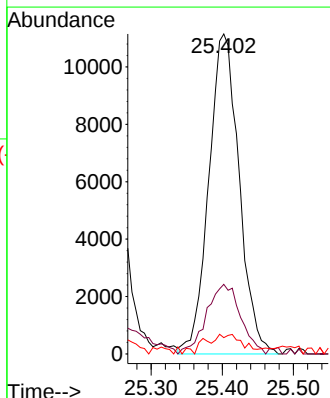
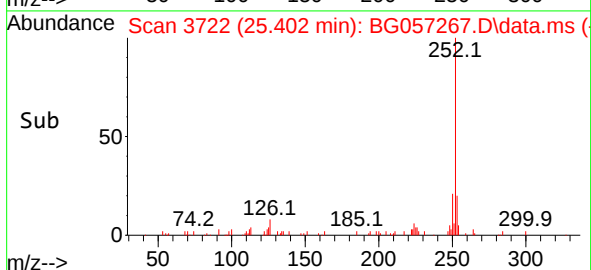
05/02/2023

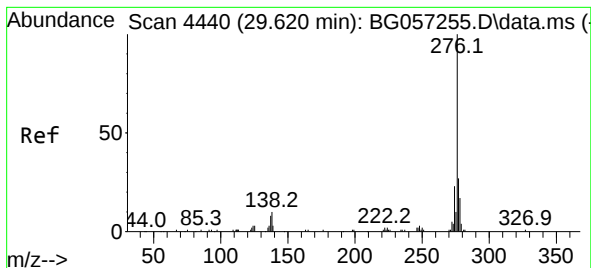


#93  
Benzo(a)pyrene  
Concen: 5.885 ng/u1  
RT: 25.402 min Scan# 3722  
Delta R.T. 0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45



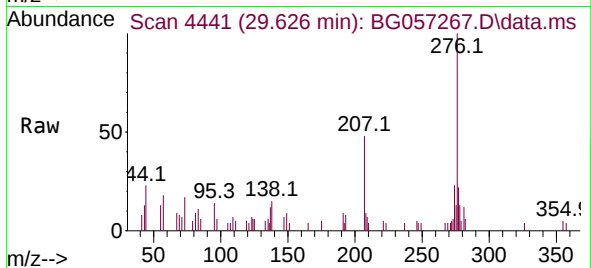
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Ion Ratio Lower Upper  
252 100  
253 21.7 17.2 25.8  
125 5.1 5.1 7.7#





#94  
Indeno(1,2,3-cd)pyrene  
Concen: 3.222 ng/ul m  
RT: 29.626 min Scan# 4440  
Delta R.T. 0.003 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45

Instrument :  
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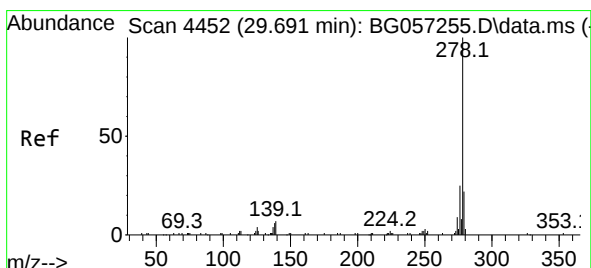
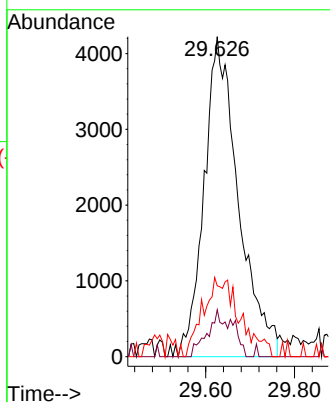
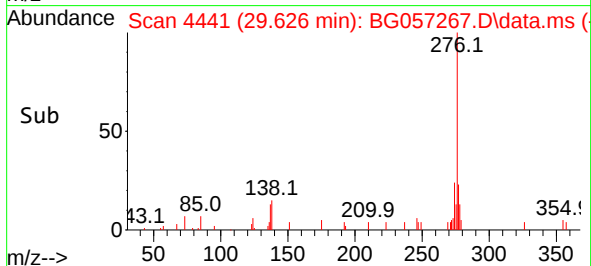
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Ion Ratio Lower Upper  
276 100  
138 14.7 9.4 14.2  
277 22.2 18.6 28.0

Manual Integrations  
APPROVED

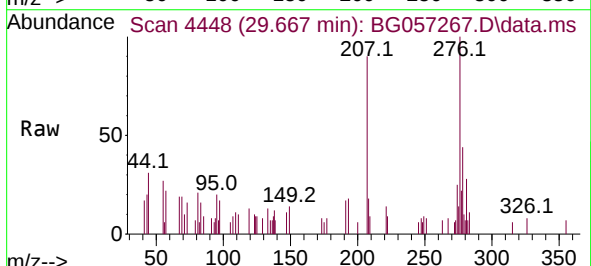
Reviewed By :Christian Giraldo 05/02/2023  
Supervised By :Jagrut Upadhyay 05/02/2023

05/02/2023  
Supervised By :Jagrut  
Upadhyay

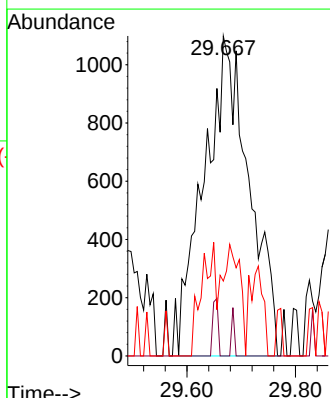
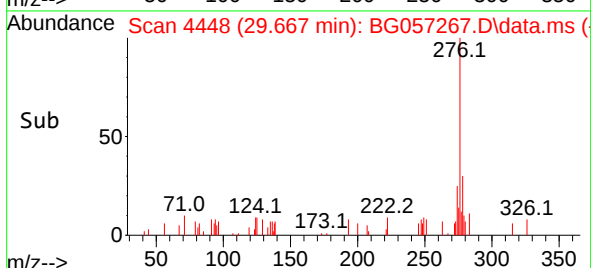
05/02/2023

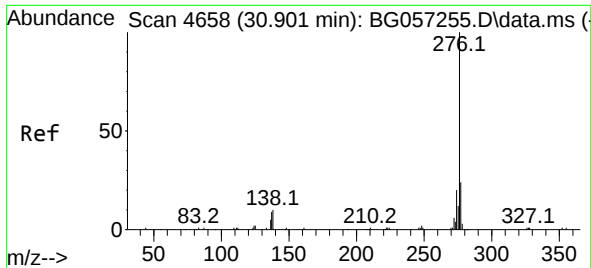


#95  
Dibenzo(a,h)anthracene  
Concen: 1.084 ng/ul m  
RT: 29.667 min Scan# 4448  
Delta R.T. -0.026 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45



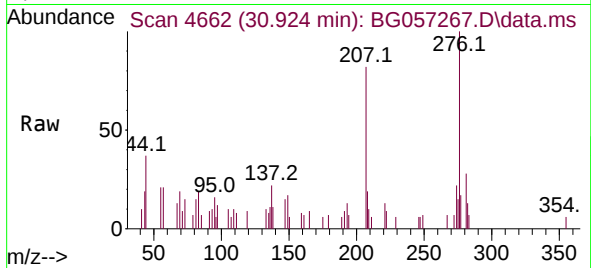
Tgt Ion:278 Resp: 6306  
Ion Ratio Lower Upper  
278 100  
139 0.0 5.8 8.6#  
279 23.4 18.3 27.5





#96  
Benzo(g,h,i)perylene  
Concen: 2.819 ng/ul m  
RT: 30.924 min Scan# 4  
Delta R.T. 0.015 min  
Lab File: BG057267.D  
Acq: 2 May 2023 2:45

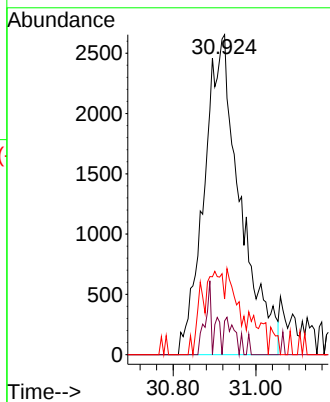
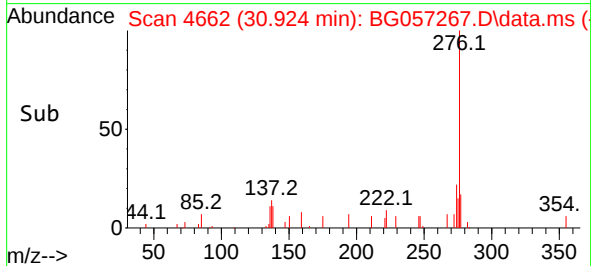
Instrument :  
BNA\_G  
ClientSampleId :  
CB9D6



Tgt Ion:276 Resp: 16000  
Ion Ratio Lower Upper  
276 100  
138 10.6 8.7 13.1  
277 17.4 18.4 27.6

Manual Integrations  
APPROVED

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Supervised By :Jagrut Upadhyay 05/02/2023



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