

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058310.D  
 Acq On : 18 Jul 2023 21:14  
 Operator : CG/JU  
 Sample : 03444-13  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46T7

Quant Time: Jul 19 05:39:40 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

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :Sohil Jodhani 07/19/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 38964    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.696 | 136  | 179019   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.533 | 164  | 129083   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.277 | 188  | 306658   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.525 | 240  | 260191   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.662 | 264  | 309750   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.340  | 96   | 10750    | 10.155 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.751  | 84   | 160763   | 51.163 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.065  | 99   | 239089   | 64.684 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.224  | 67   | 142639   | 61.742 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.429  | 132  | 164863   | 63.719 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 108577   | 38.511 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 85091    | 63.413 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.780  | 143  | 95437    | 65.148 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.320 | 165  | 166511   | 59.294 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.837 | 131  | 64715    | 15.896 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.939 | 166  | 557237   | 55.982 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.227 | 160  | 631908   | 60.578 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.739 | 143  | 93837    | 62.422 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.526 | 176  | 508171   | 61.664 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.649 | 200  | 90172    | 57.715 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.377 | 188  | 685830   | 51.760 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.668 | 212  | 916771   | 59.655 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.451 | 264  | 821940   | 54.902 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.722  | 105  | 19855    | 4.135  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.318 | 178  | 42525    | 2.918  | ng/u1  | 95       |
| 80) Fluoranthene              | 19.333 | 202  | 90607    | 5.147  | ng/u1  | 99       |
| 82) Pyrene                    | 19.697 | 202  | 81546    | 4.571  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.507 | 228  | 34165    | 1.954  | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.413 | 149  | 42247    | 4.229  | ng/u1  | 100      |
| 87) Chrysene                  | 21.572 | 228  | 38093    | 2.296  | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.663 | 252  | 45104    | 2.517  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.722 | 252  | 18783m   | 1.051  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.509 | 252  | 27752    | 1.741  | ng/u1# | 92       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.223 | 276  | 24784m   | 1.180  | ng/u1  |          |
| 96) Benzo(g,h,i)perylene      | 29.339 | 276  | 23376    | 1.366  | ng/u1# | 91       |
| -----                         |        |      |          |        |        |          |

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

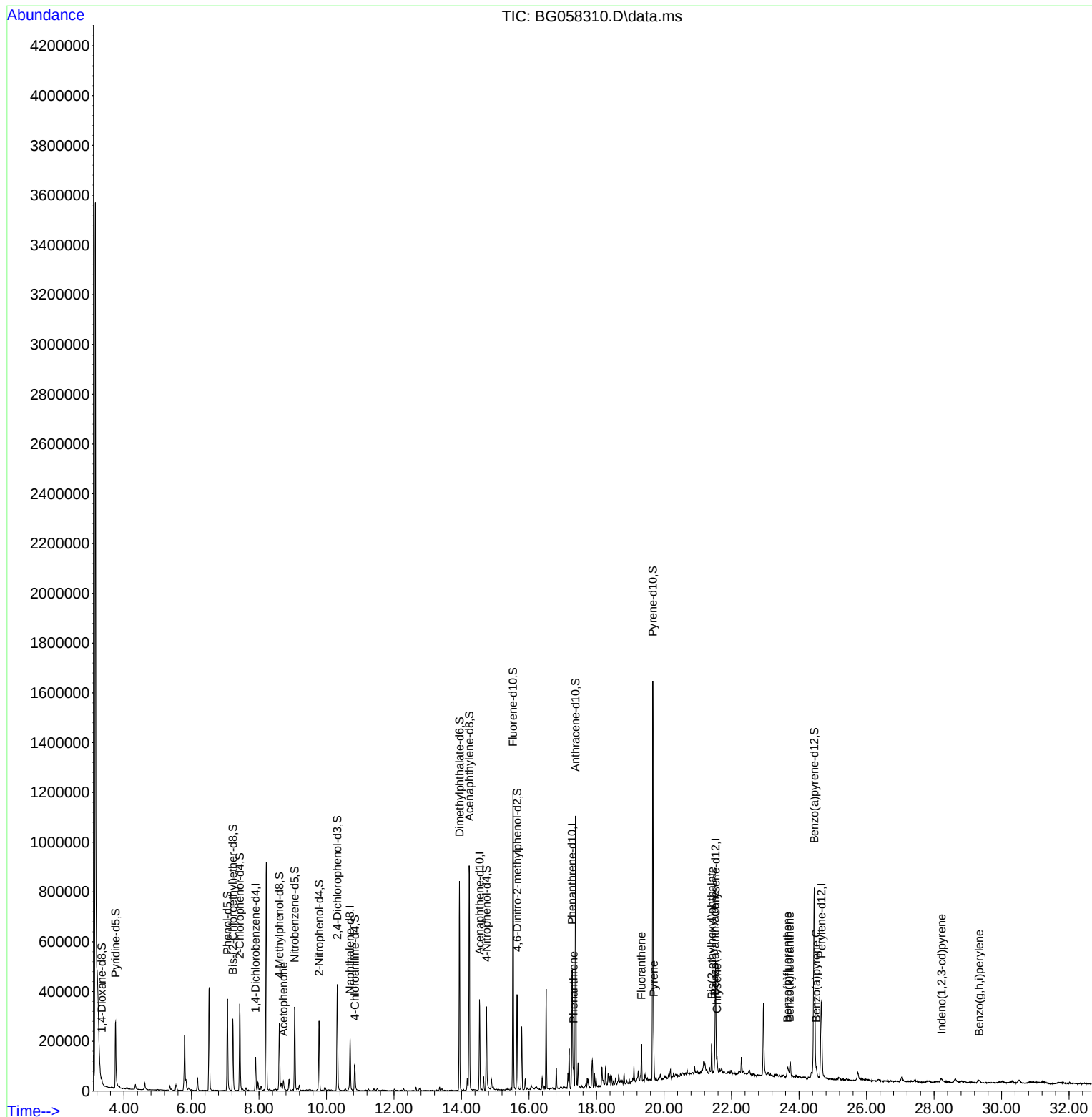
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
Data File : BG058310.D  
Acq On : 18 Jul 2023 21:14  
Operator : CG/JU  
Sample : 03444-13  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

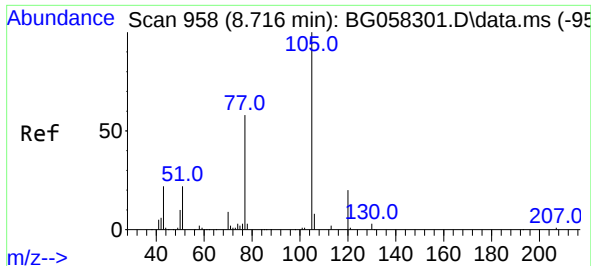
Instrument :  
BNA\_G  
ClientSampleId :  
A46T7

Quant Time: Jul 19 05:39:40 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

Manual Integrations  
APPROVED

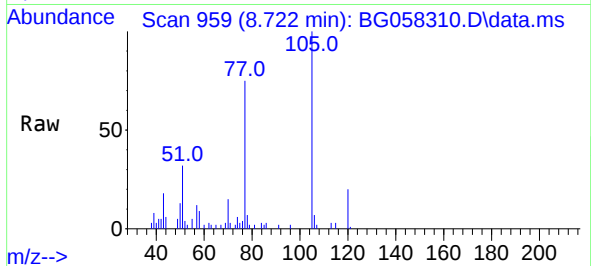
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023





#16  
Acetophenone  
Concen: 4.135 ng/ul  
RT: 8.722 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

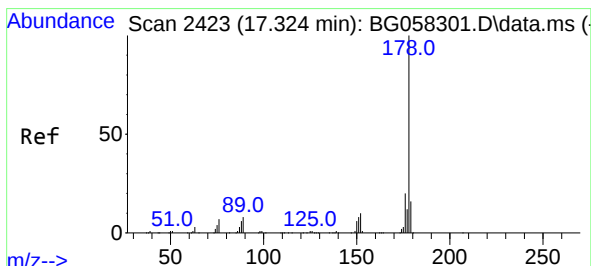
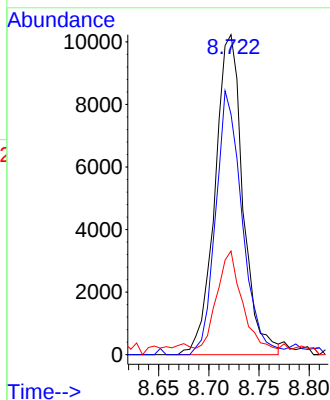
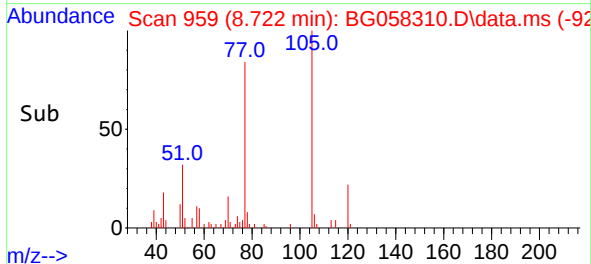
Instrument :  
BNA\_G  
ClientSampleId :  
A46T7



Tgt Ion:105 Resp: 1985  
Ion Ratio Lower Upper  
105 100  
77 75.1 60.7 91.1  
51 32.4 23.5 35.3

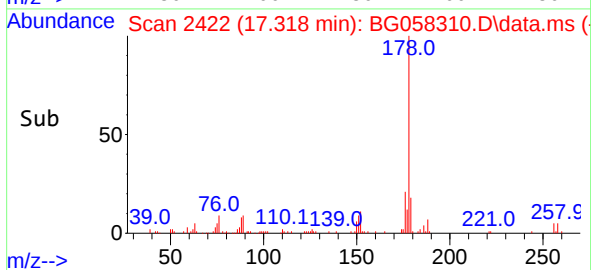
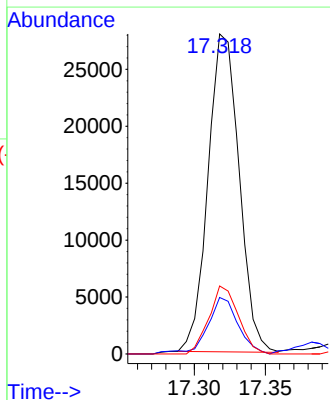
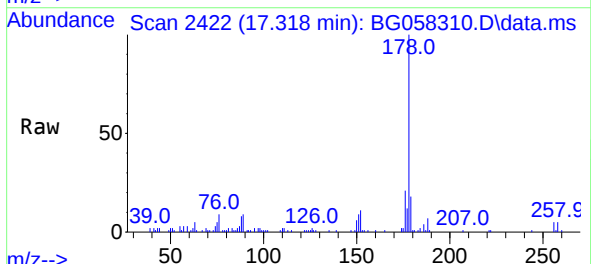
Manual Integrations  
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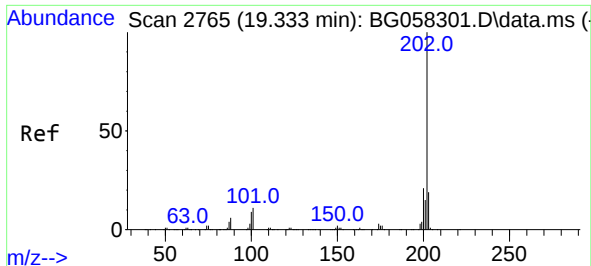
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023



#72  
Phenanthrene  
Concen: 2.918 ng/ul  
RT: 17.318 min Scan# 2422  
Delta R.T. -0.005 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

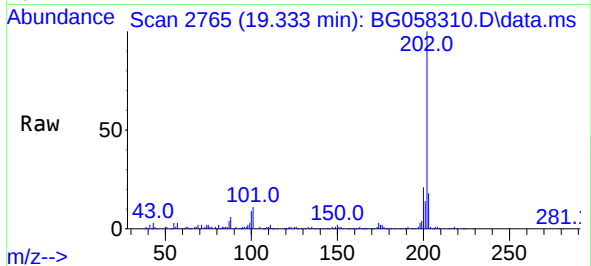
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Ion Ratio Lower Upper  
178 100  
179 17.7 11.9 17.9  
176 21.3 15.8 23.8





#80  
Fluoranthene  
Concen: 5.147 ng/u1  
RT: 19.333 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

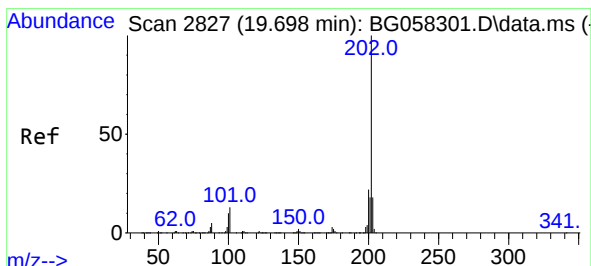
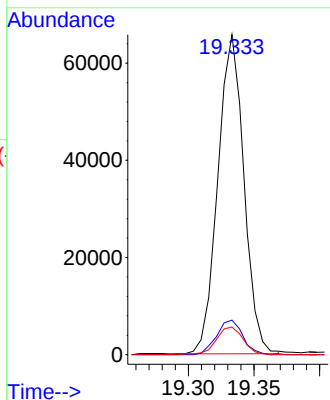
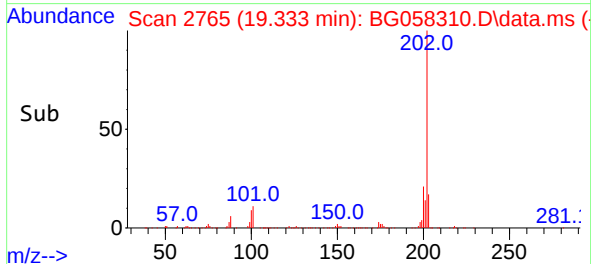
Instrument :  
BNA\_G  
ClientSampleId :  
A46T7



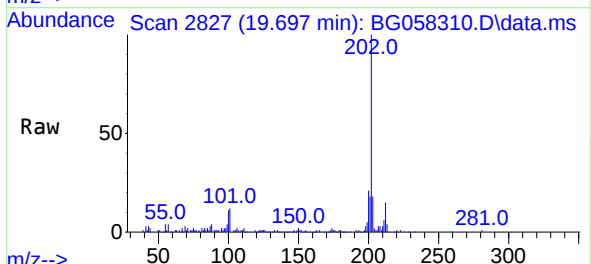
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Ion Ratio Lower Upper  
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101 10.8 8.6 12.8  
100 8.7 7.2 10.8

Manual Integrations  
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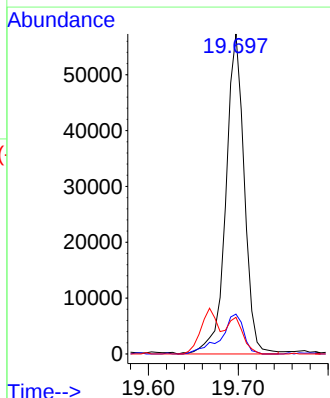
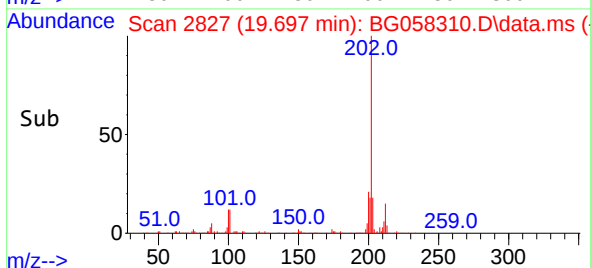
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023

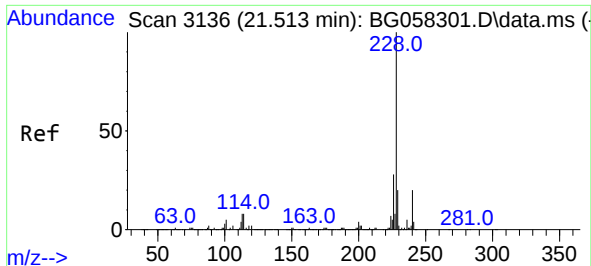


#82  
Pyrene  
Concen: 4.571 ng/u1  
RT: 19.697 min Scan# 2827  
Delta R.T. 0.001 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14



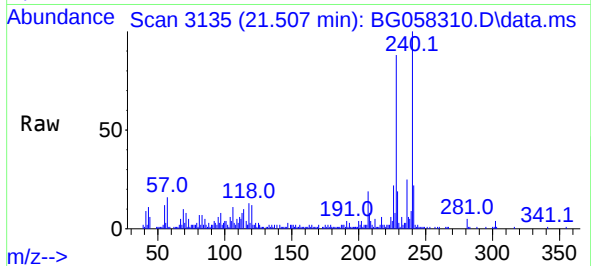
Tgt Ion:202 Resp: 81546  
Ion Ratio Lower Upper  
202 100  
101 12.4 10.2 15.2  
100 11.5 8.9 13.3





#85  
Benzo(a)anthracene  
Concen: 1.954 ng/ul  
RT: 21.507 min Scan# 3119  
Delta R.T. -0.005 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

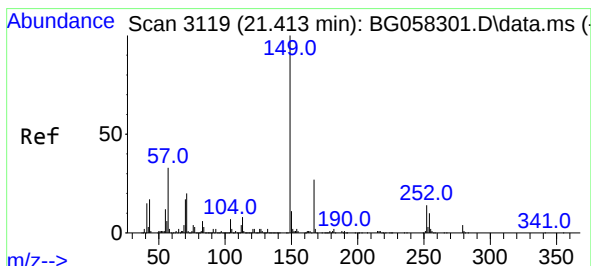
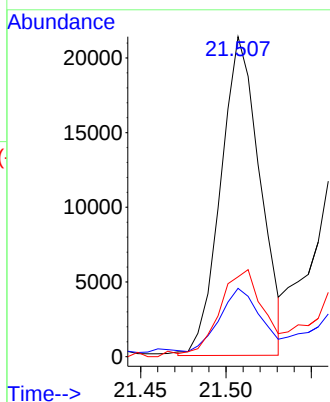
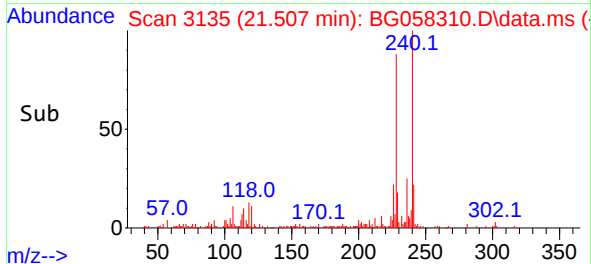
Instrument :  
BNA\_G  
ClientSampleId :  
A46T7



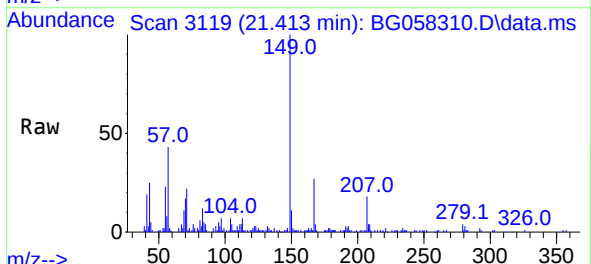
Tgt Ion:228 Resp: 3416  
Ion Ratio Lower Upper  
228 100  
229 21.3 15.7 23.5  
226 24.9 21.8 32.8

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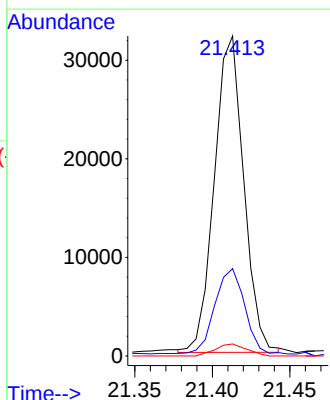
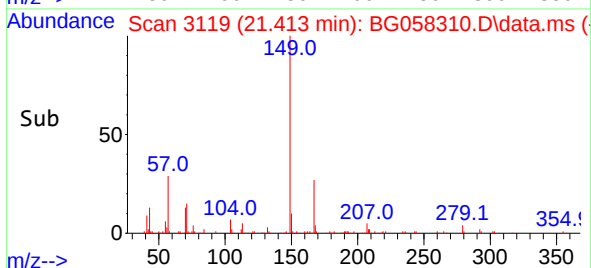
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023

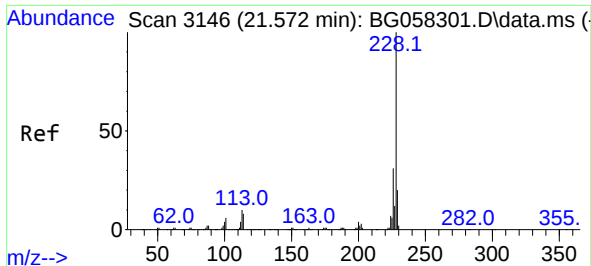


#86  
Bis(2-ethylhexyl)phthalate  
Concen: 4.229 ng/ul  
RT: 21.413 min Scan# 3119  
Delta R.T. 0.001 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14



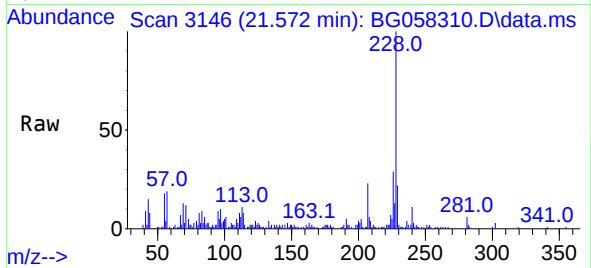
Tgt Ion:149 Resp: 42247  
Ion Ratio Lower Upper  
149 100  
167 27.3 21.6 32.4  
279 3.7 3.0 4.4





#87  
Chrysene  
Concen: 2.296 ng/ul  
RT: 21.572 min Scan# 3146  
Delta R.T. -0.005 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

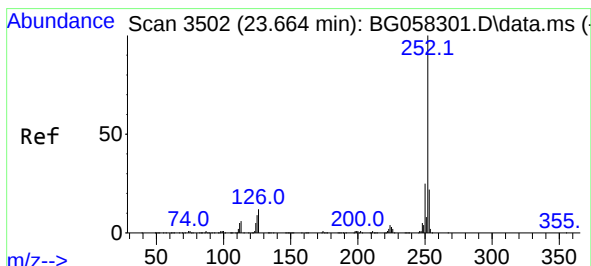
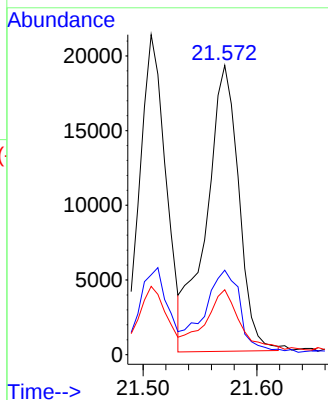
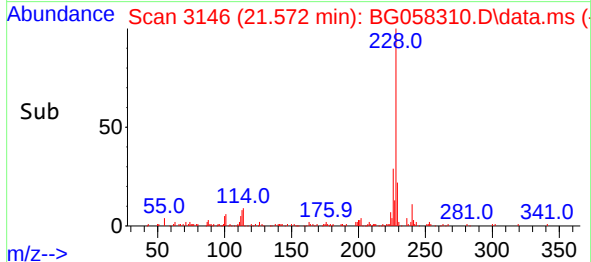
Instrument :  
BNA\_G  
ClientSampleId :  
A46T7



Tgt Ion:228 Resp: 3809  
Ion Ratio Lower Upper  
228 100  
226 29.2 24.0 36.0  
229 22.5 15.8 23.8

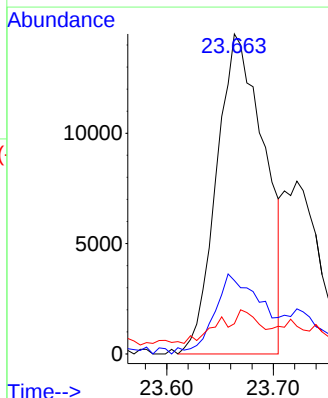
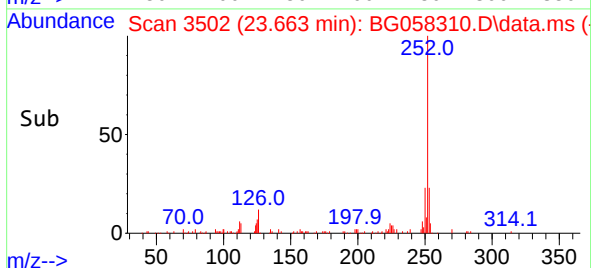
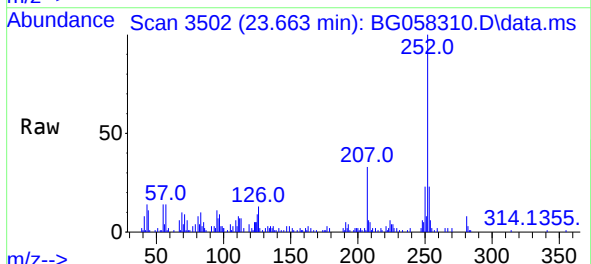
Manual Integrations  
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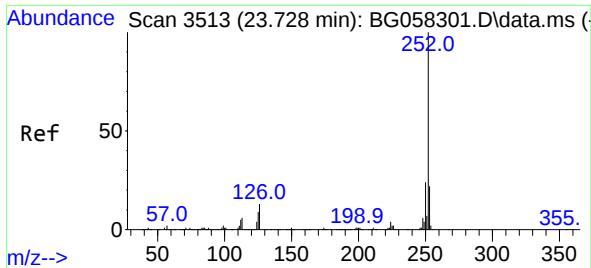
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023



#90  
Benzo(b)fluoranthene  
Concen: 2.517 ng/ul  
RT: 23.663 min Scan# 3502  
Delta R.T. -0.005 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

Tgt Ion:252 Resp: 45104  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.9 26.9  
125 9.4 6.7 10.1





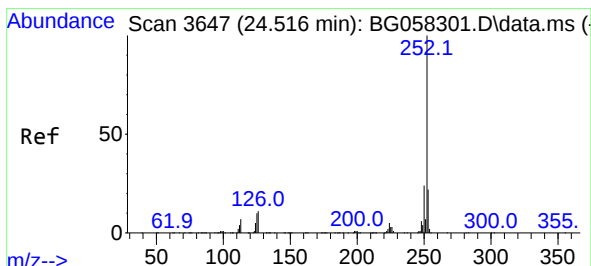
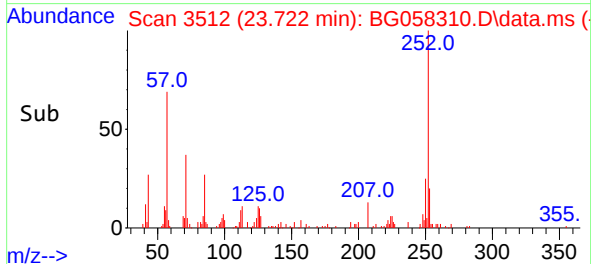
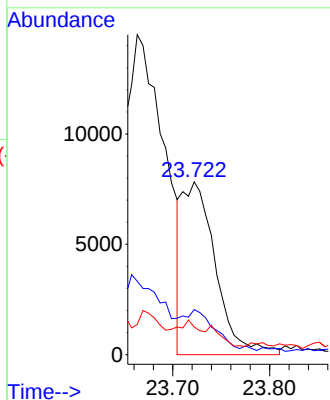
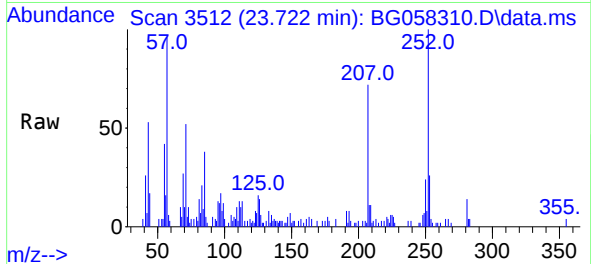
#91  
Benzo(k)fluoranthene  
Concen: 1.051 ng/ul m  
RT: 23.722 min Scan# 3513  
Delta R.T. -0.011 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

Instrument :  
BNA\_G  
ClientSampleId :  
A46T7

Tgt Ion:252 Resp: 1878  
Ion Ratio Lower Upper  
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253 26.1 18.3 27.5  
125 16.0 7.4 11.0

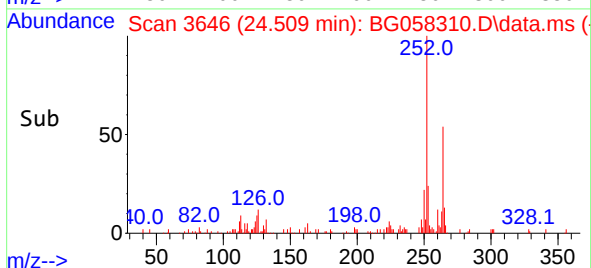
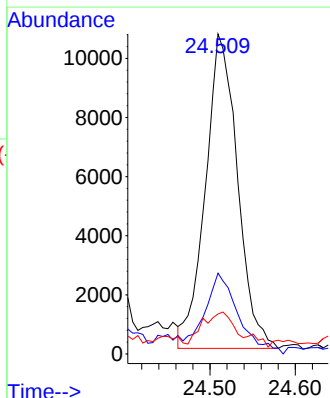
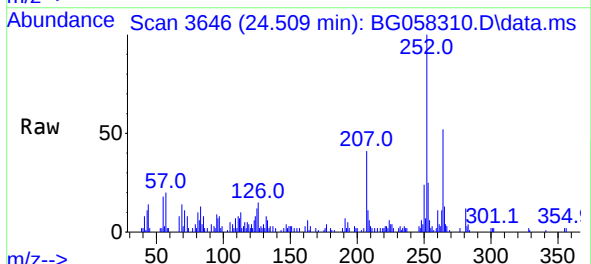
Manual Integrations  
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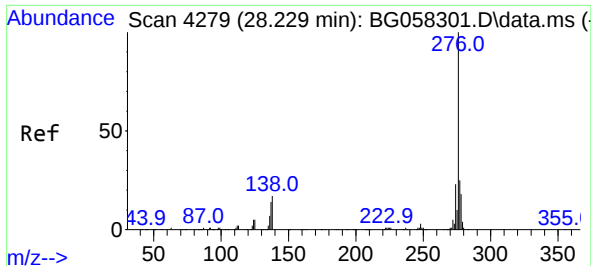
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023



#93  
Benzo(a)pyrene  
Concen: 1.741 ng/ul  
RT: 24.509 min Scan# 3646  
Delta R.T. -0.011 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

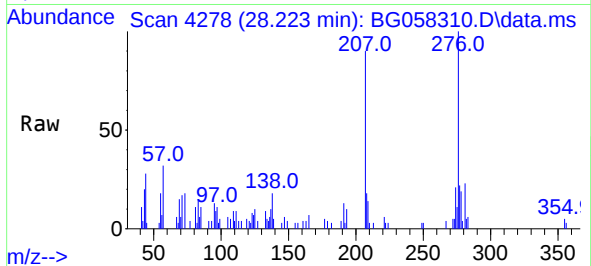
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Ion Ratio Lower Upper  
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253 25.3 17.4 26.0  
125 12.5 7.7 11.5





#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.180 ng/ul m  
RT: 28.223 min Scan# 4278  
Delta R.T. -0.005 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14

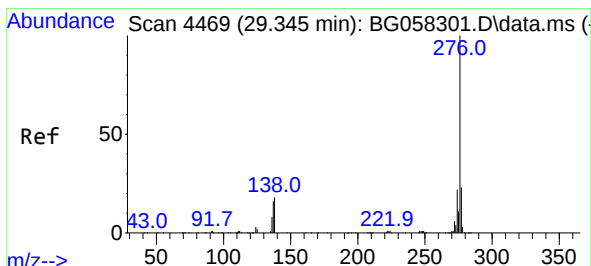
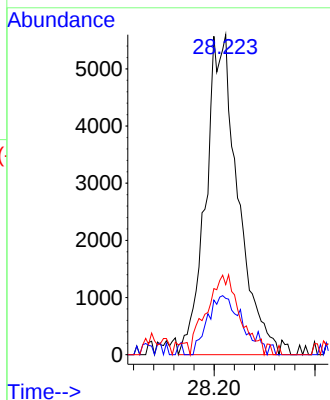
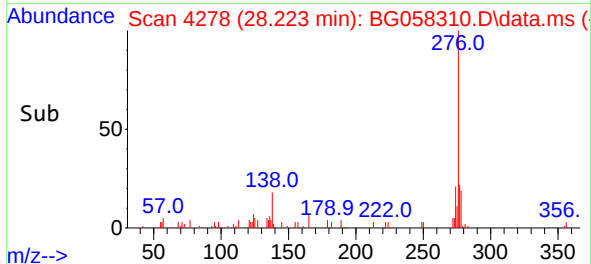
Instrument :  
BNA\_G  
ClientSampleId :  
A46T7



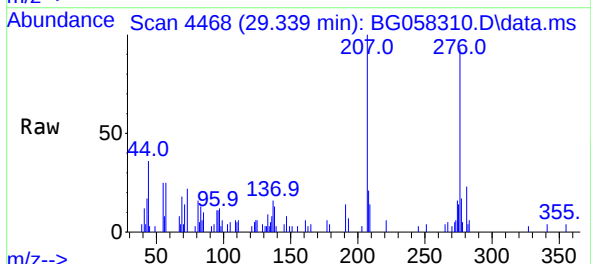
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Ion Ratio Lower Upper  
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138 17.6 13.8 20.6  
277 21.9 19.2 28.8

Manual Integrations  
APPROVED

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#96  
Benzo(g,h,i)perylene  
Concen: 1.366 ng/ul  
RT: 29.339 min Scan# 4468  
Delta R.T. -0.011 min  
Lab File: BG058310.D  
Acq: 18 Jul 2023 21:14



Tgt Ion:276 Resp: 23376  
Ion Ratio Lower Upper  
276 100  
138 14.4 13.5 20.3  
277 18.6 19.4 29.2#

