

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
 Data File : BG058314.D  
 Acq On : 18 Jul 2023 23:59  
 Operator : CG/JU  
 Sample : 03444-19  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46Y0

Manual Integrations  
 APPROVED

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

Quant Time: Jul 19 06:19:48 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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.896  | 152  | 37679    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.699 | 136  | 174977   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.535 | 164  | 133492   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.279 | 188  | 317816   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.527 | 240  | 264858   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.659 | 264  | 303633   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.343  | 96   | 1296     | 1.266  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.760  | 84   | 2957     | 0.973  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.062  | 99   | 23984    | 6.710  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.226  | 67   | 18263    | 8.175  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.432  | 132  | 17875    | 7.144  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.613  | 113  | 1081     | 0.396  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.059  | 128  | 10306    | 7.858  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.776  | 143  | 11576    | 8.085  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.323 | 165  | 15909    | 5.796  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 122      | 0.031  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.936 | 166  | 84459    | 8.205  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.224 | 160  | 88948    | 8.245  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.741 | 143  | 9909m    | 6.374  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.522 | 176  | 79743    | 9.357  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.646 | 200  | 9621     | 5.942  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.379 | 188  | 63219    | 4.604  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.665 | 212  | 159644   | 10.205 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.447 | 264  | 63277    | 4.312  | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.719  | 105  | 18313    | 3.944  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.320 | 178  | 27596    | 1.827  | ng/u1  | 94       |
| 80) Fluoranthene              | 19.336 | 202  | 37468    | 2.091  | ng/u1  | 100      |
| 82) Pyrene                    | 19.694 | 202  | 35949    | 1.980  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.510 | 228  | 18153    | 1.020  | ng/u1  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.410 | 149  | 50935    | 5.008  | ng/u1  | 98       |
| 87) Chrysene                  | 21.574 | 228  | 17482    | 1.035  | ng/u1  | 92       |
| 90) Benzo(b)fluoranthene      | 23.666 | 252  | 24423    | 1.390  | ng/u1# | 93       |
| -----                         |        |      |          |        |        |          |

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

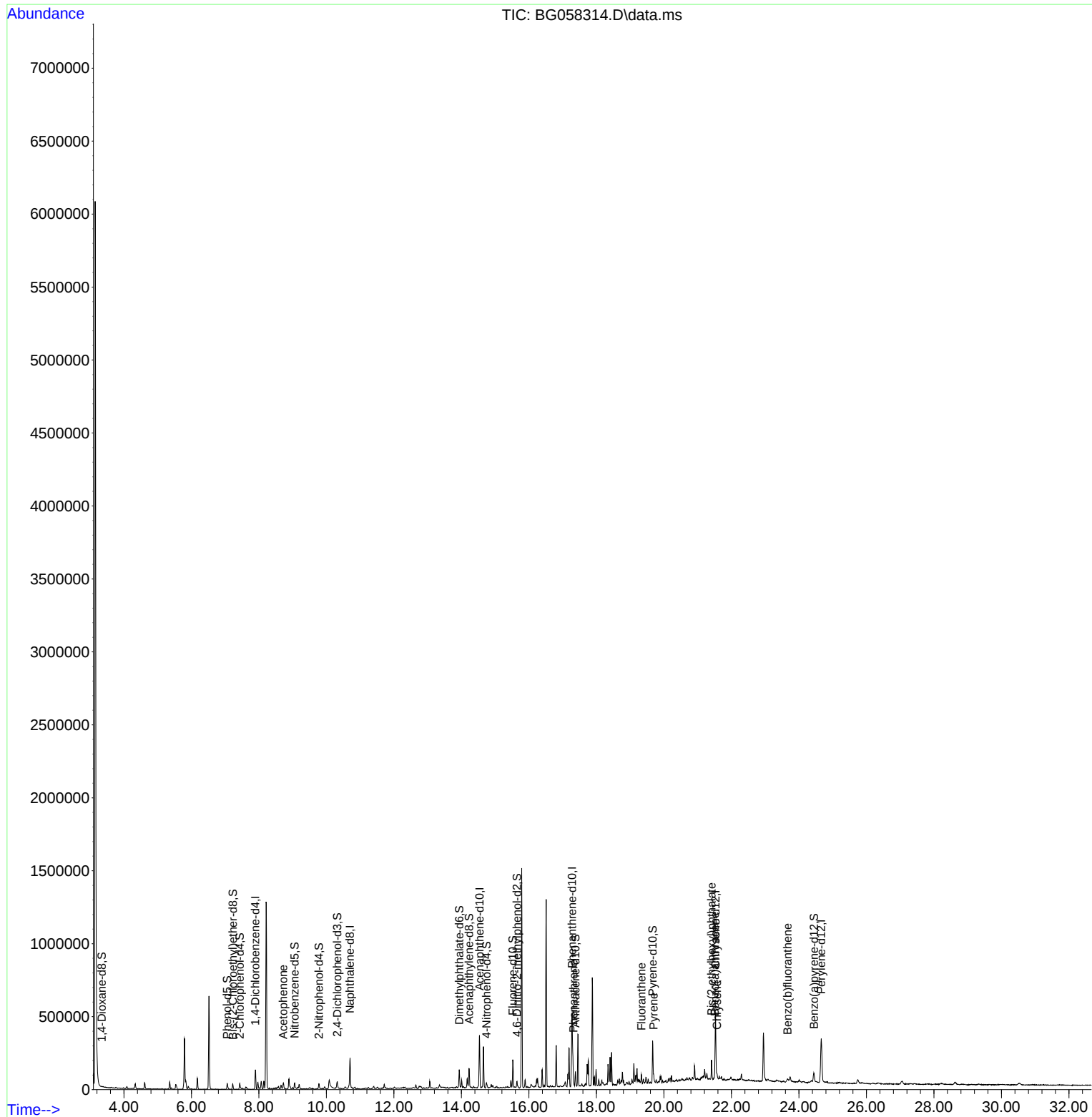
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071823\  
Data File : BG058314.D  
Acq On : 18 Jul 2023 23:59  
Operator : CG/JU  
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ALS Vial : 24 Sample Multiplier: 1

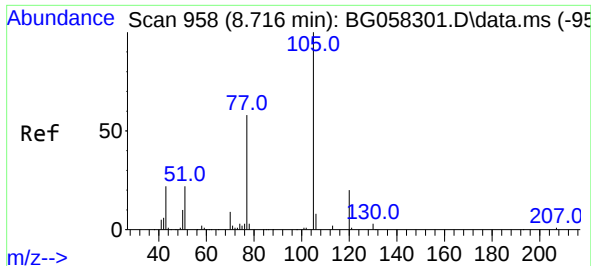
Instrument :  
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Supervised By :Sohil Jodhani 07/19/2023

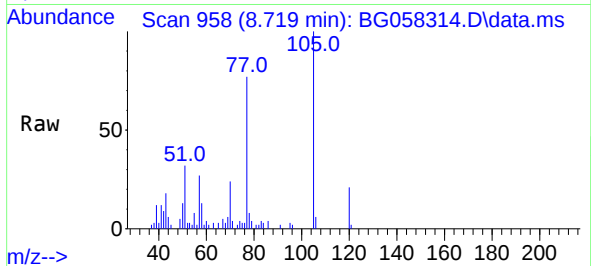
Quant Time: Jul 19 06:19:48 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 18 02:19:39 2023  
Response via : Initial Calibration





#16  
Acetophenone  
Concen: 3.944 ng/ul  
RT: 8.719 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59

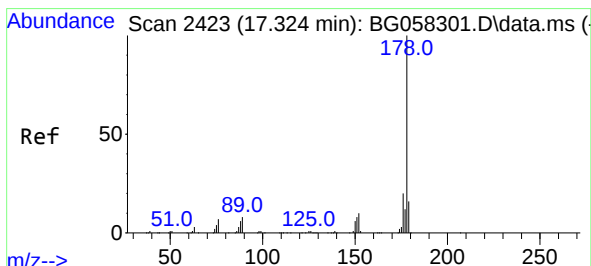
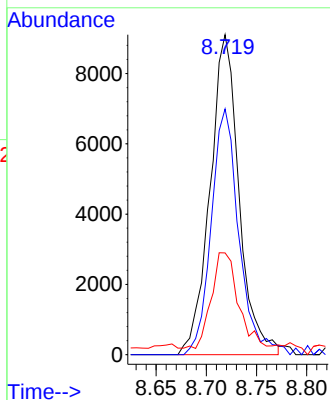
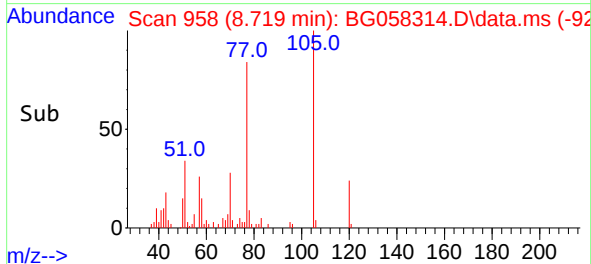
Instrument :  
BNA\_G  
ClientSampleId :  
A46Y0



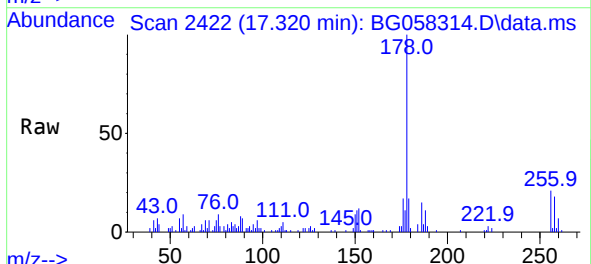
Tgt Ion:105 Resp: 1831  
Ion Ratio Lower Upper  
105 100  
77 76.8 60.7 91.1  
51 31.8 23.5 35.3

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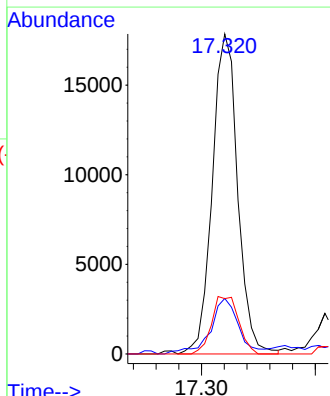
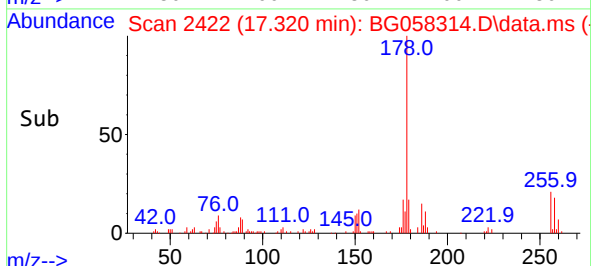
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023

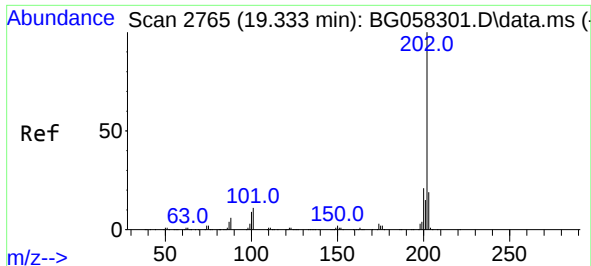


#72  
Phenanthrene  
Concen: 1.827 ng/ul  
RT: 17.320 min Scan# 2422  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59



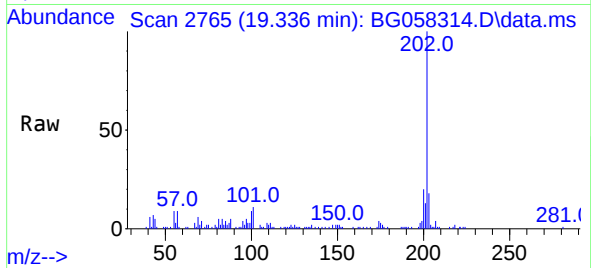
Tgt Ion:178 Resp: 27596  
Ion Ratio Lower Upper  
178 100  
179 17.4 11.9 17.9  
176 17.3 15.8 23.8





#80  
Fluoranthene  
Concen: 2.091 ng/u1  
RT: 19.336 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59

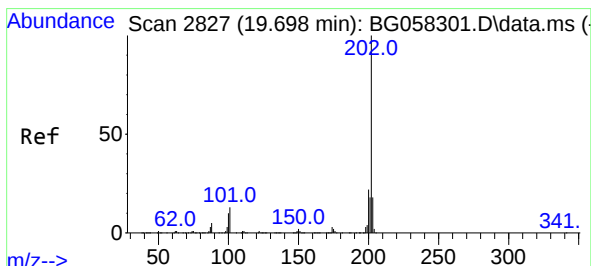
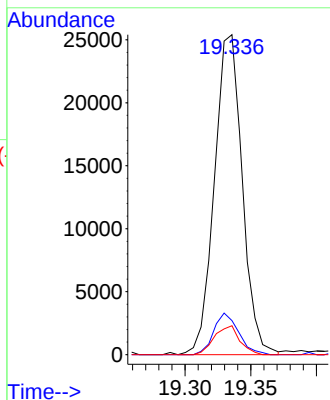
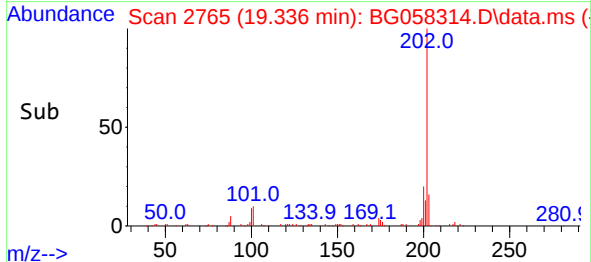
Instrument :  
BNA\_G  
ClientSampleId :  
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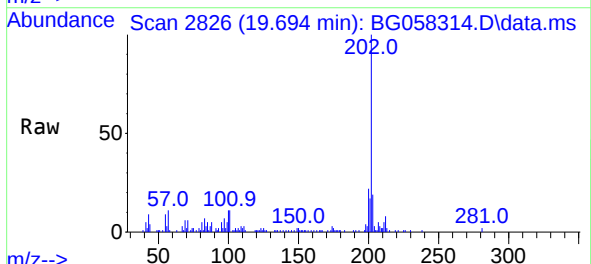
Tgt Ion:202 Resp: 37468  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.6 12.8  
100 9.1 7.2 10.8

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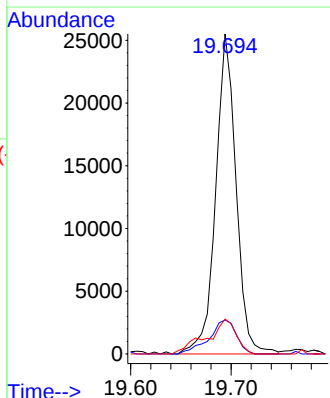
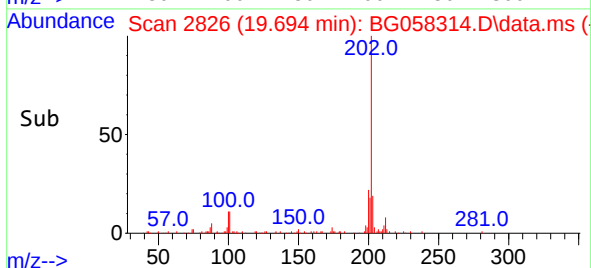
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023

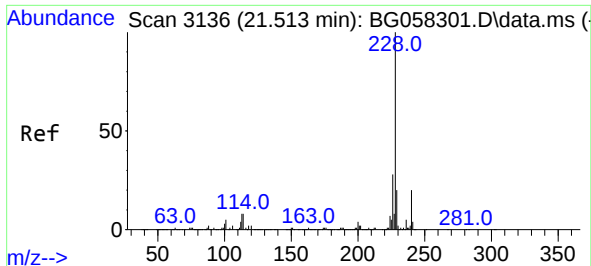


#82  
Pyrene  
Concen: 1.980 ng/u1  
RT: 19.694 min Scan# 2826  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59



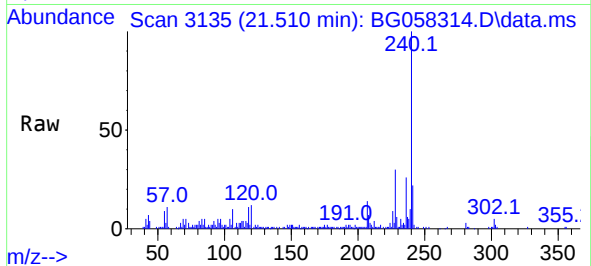
Tgt Ion:202 Resp: 35949  
Ion Ratio Lower Upper  
202 100  
101 10.6 10.2 15.2  
100 10.9 8.9 13.3





#85  
Benzo(a)anthracene  
Concen: 1.020 ng/ul  
RT: 21.510 min Scan# 3136  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59

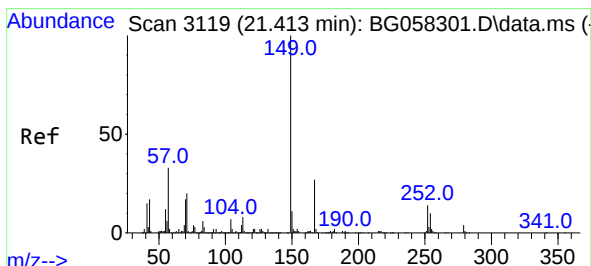
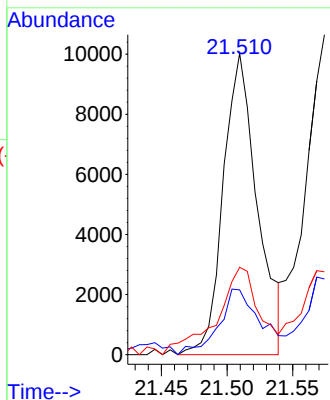
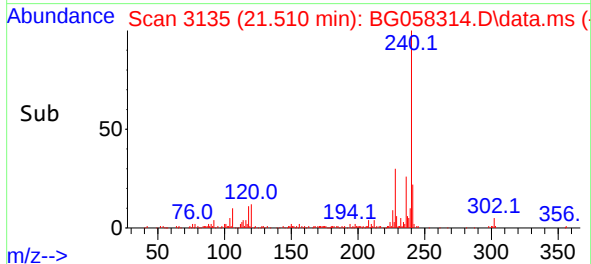
Instrument :  
BNA\_G  
ClientSampleId :  
A46Y0



Tgt Ion:228 Resp: 1815  
Ion Ratio Lower Upper  
228 100  
229 21.5 15.7 23.5  
226 29.0 21.8 32.8

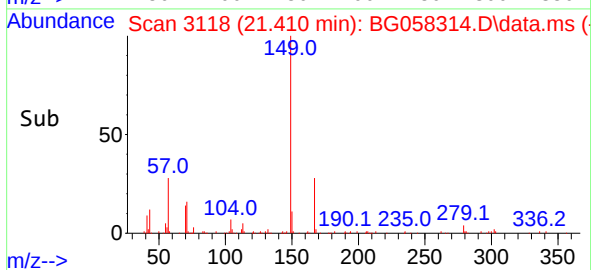
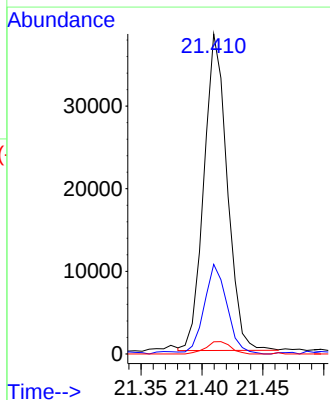
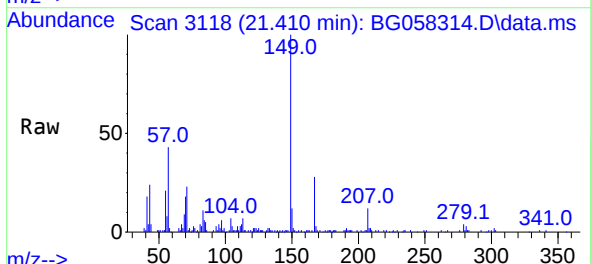
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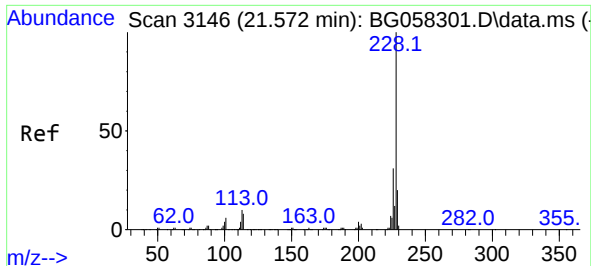
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :Sohil Jodhani 07/19/2023



#86  
Bis(2-ethylhexyl)phthalate  
Concen: 5.008 ng/ul  
RT: 21.410 min Scan# 3118  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59

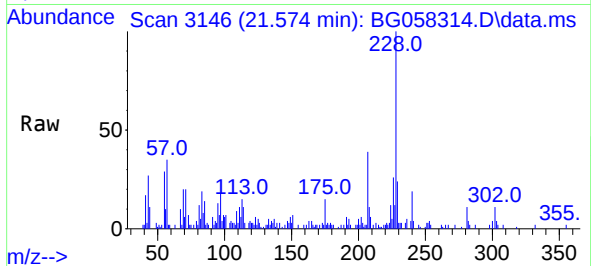
Tgt Ion:149 Resp: 50935  
Ion Ratio Lower Upper  
149 100  
167 28.0 21.6 32.4  
279 3.8 3.0 4.4





#87  
Chrysene  
Concen: 1.035 ng/ul  
RT: 21.574 min Scan# 3146  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59

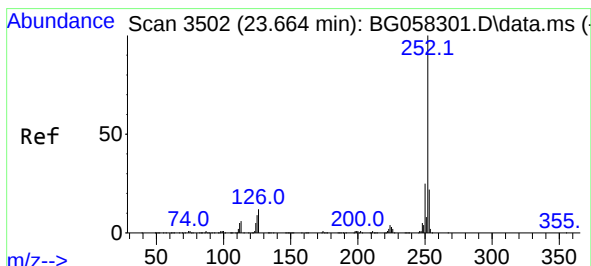
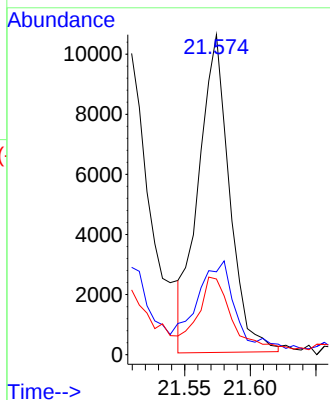
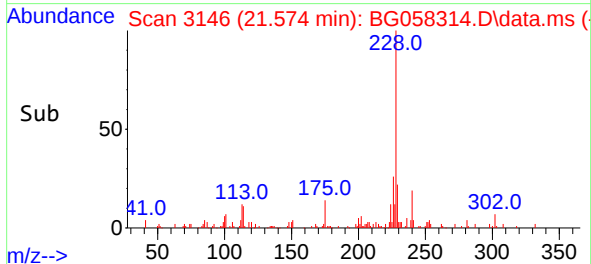
Instrument :  
BNA\_G  
ClientSampleId :  
A46Y0



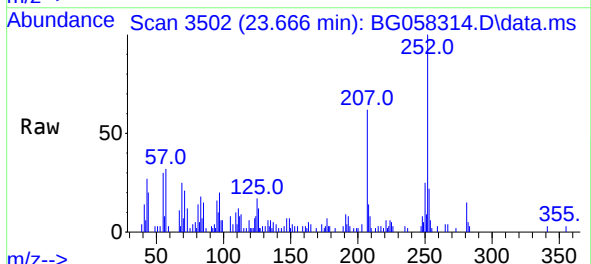
Tgt Ion:228 Resp: 1748  
Ion Ratio Lower Upper  
228 100  
226 25.9 24.0 36.0  
229 23.7 15.8 23.8

Manual Integrations  
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#90  
Benzo(b)fluoranthene  
Concen: 1.390 ng/ul  
RT: 23.666 min Scan# 3502  
Delta R.T. -0.003 min  
Lab File: BG058314.D  
Acq: 18 Jul 2023 23:59



Tgt Ion:252 Resp: 24423  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.9 26.9  
125 16.7 6.7 10.1#

