

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
 Data File : BG058234.D  
 Acq On : 14 Jul 2023 17:05  
 Operator : CG/JU  
 Sample : 03418-07  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46E9

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
 Supervised By :mohammad ahmed 07/17/2023

Quant Time: Jul 15 02:04:09 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 14:01:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.906  | 152  | 69067    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.703 | 136  | 314699   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.540 | 164  | 228699   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.284 | 188  | 531249   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.538 | 240  | 466870   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.681 | 264  | 556489   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.347  | 96   | 2996     | 1.519  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 23541    | 3.931  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.072  | 99   | 76665    | 10.869 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.231  | 67   | 46687    | 10.984 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.436  | 132  | 55331    | 11.374 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.606  | 113  | 21719    | 4.081  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.064  | 128  | 29120    | 11.353 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.787  | 143  | 32507    | 12.059 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.327 | 165  | 58371    | 11.287 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.868 | 131  | 519m     | 0.066  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.941 | 166  | 211227   | 11.706 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.234 | 160  | 230781   | 11.720 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.745 | 143  | 27674    | 8.681  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.533 | 176  | 196441   | 12.819 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 24932    | 8.643  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.384 | 188  | 190942   | 7.746  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.675 | 212  | 374078   | 12.722 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.458 | 264  | 228212   | 8.049  | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.723  | 105  | 22952    | 2.599  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.325 | 178  | 35105    | 1.299  | ng/u1  | 96       |
| 80) Fluoranthene              | 19.334 | 202  | 63587    | 1.866  | ng/u1  | 99       |
| 82) Pyrene                    | 19.698 | 202  | 63174    | 1.842  | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.420 | 149  | 62239    | 3.123  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.682 | 252  | 36413    | 1.057  | ng/u1# | 92       |
| -----                         |        |      |          |        |        |          |

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

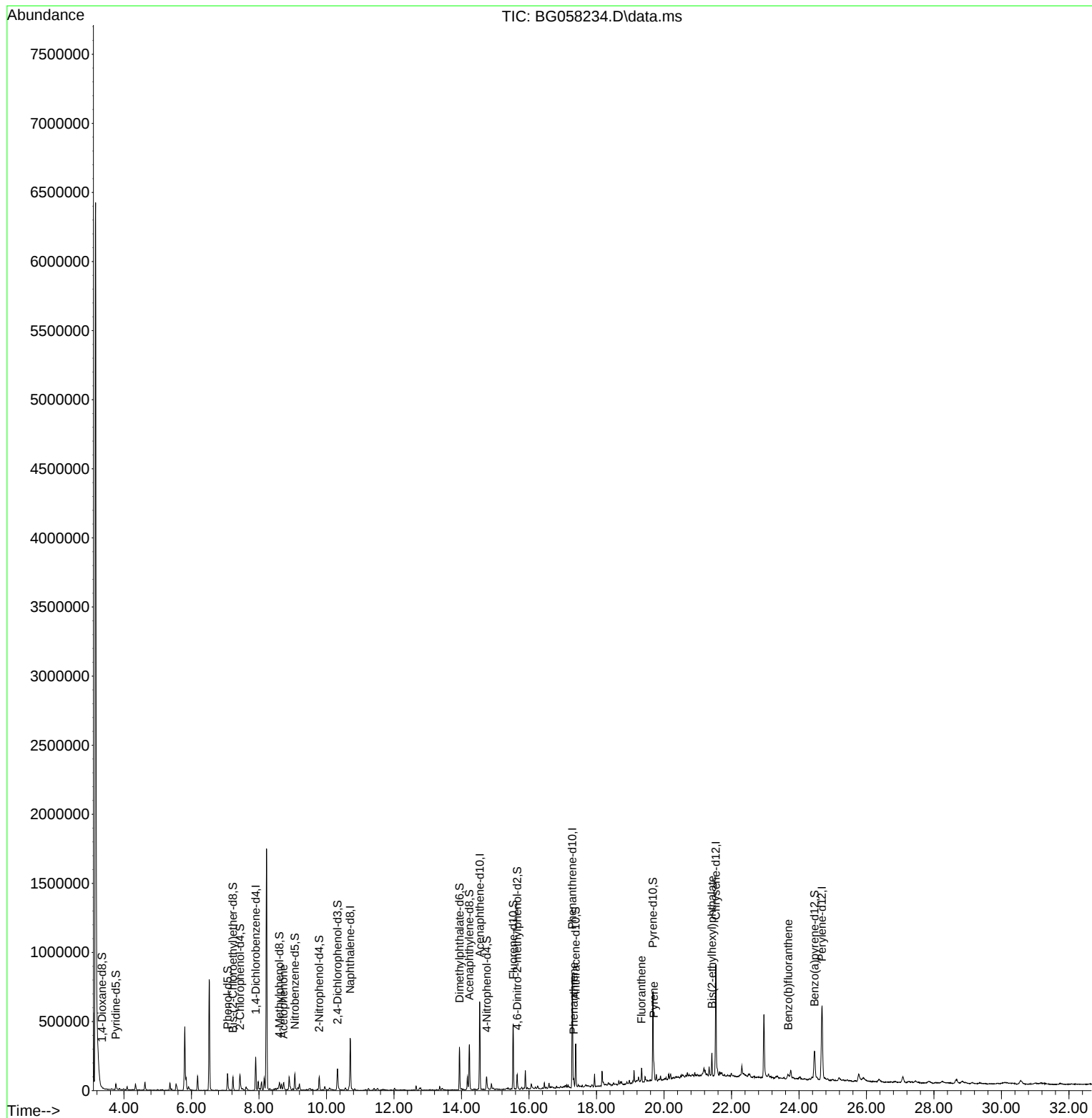
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071323\  
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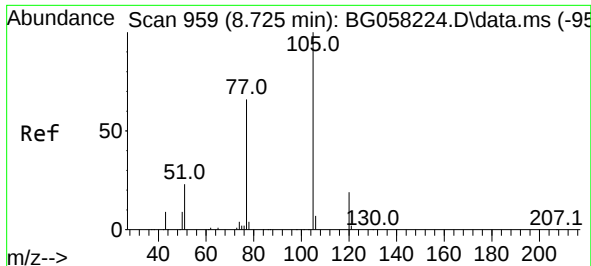
Instrument :  
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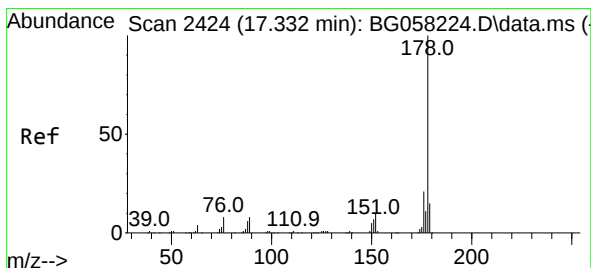
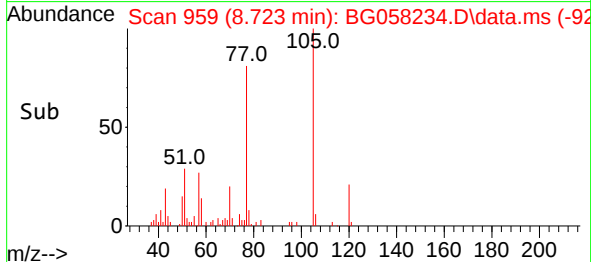
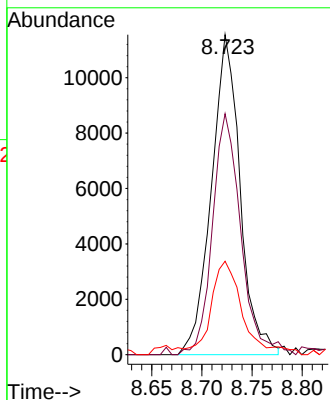
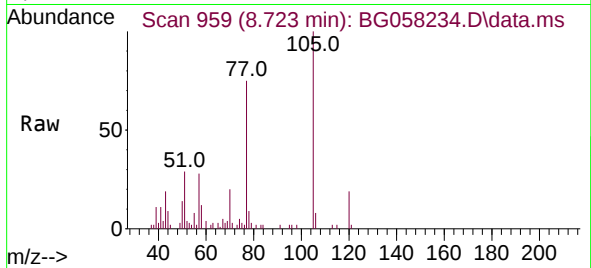
#16  
Acetophenone  
Concen: 2.599 ng/ul  
RT: 8.723 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: BG058234.D  
Acq: 14 Jul 2023 17:05

Instrument :  
BNA\_G  
ClientSampleId :  
A46E9

Tgt Ion:105 Resp: 2295  
Ion Ratio Lower Upper  
105 100  
77 75.3 61.2 91.8  
51 29.2 23.5 35.3

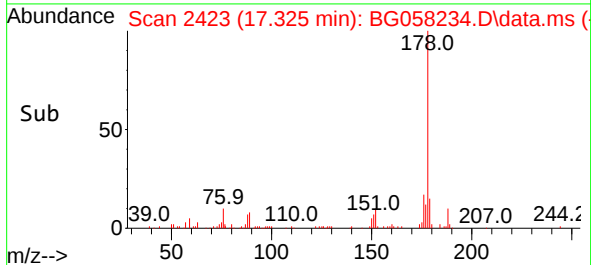
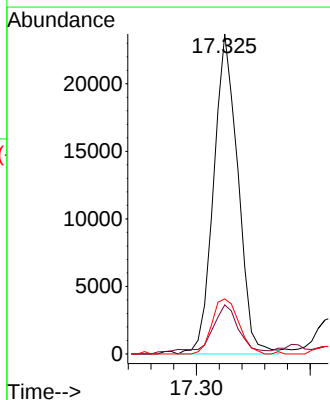
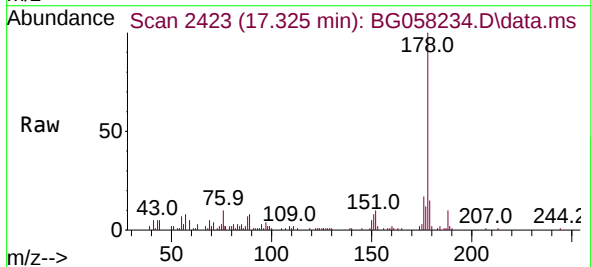
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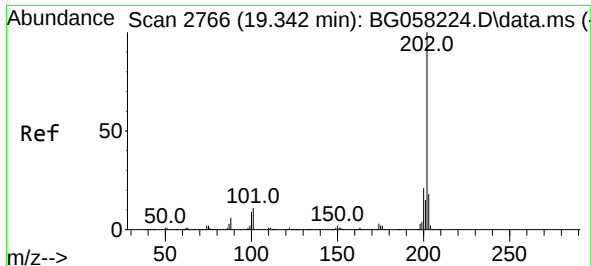
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/17/2023



#72  
Phenanthrene  
Concen: 1.299 ng/ul  
RT: 17.325 min Scan# 2423  
Delta R.T. -0.005 min  
Lab File: BG058234.D  
Acq: 14 Jul 2023 17:05

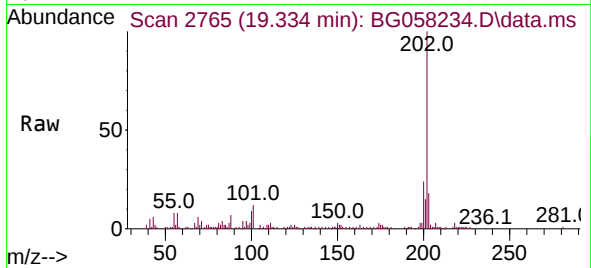
Tgt Ion:178 Resp: 35105  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.8 19.2  
176 17.2 15.7 23.5





#80  
Fluoranthene  
Concen: 1.866 ng/u1  
RT: 19.334 min Scan# 21  
Delta R.T. -0.011 min  
Lab File: BG058234.D  
Acq: 14 Jul 2023 17:05

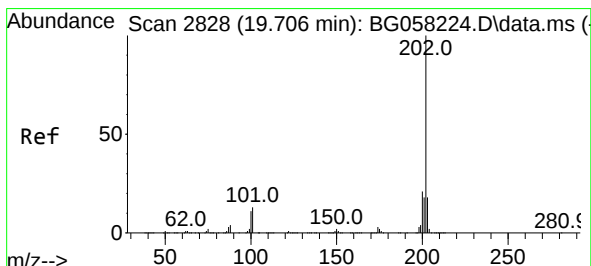
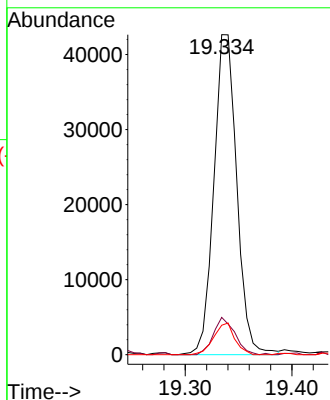
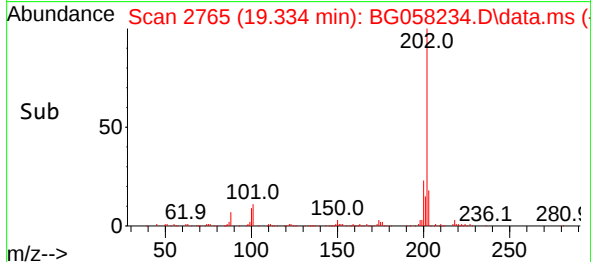
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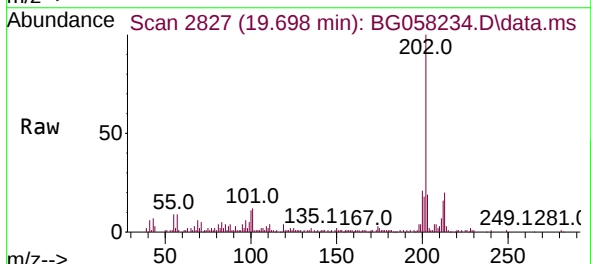
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Ion Ratio Lower Upper  
202 100  
101 11.6 9.1 13.7  
100 9.2 7.1 10.7

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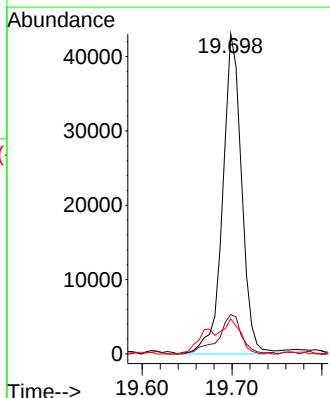
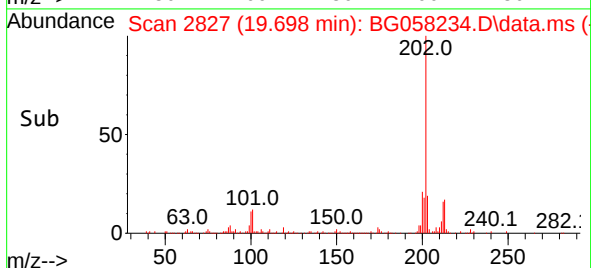
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/17/2023

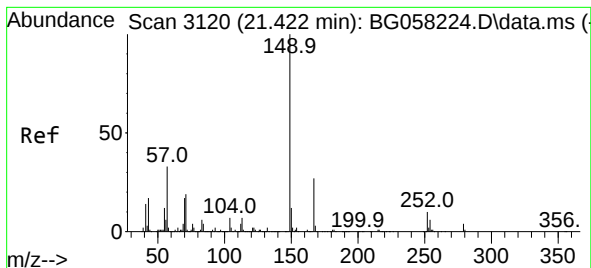


#82  
Pyrene  
Concen: 1.842 ng/u1  
RT: 19.698 min Scan# 2827  
Delta R.T. -0.005 min  
Lab File: BG058234.D  
Acq: 14 Jul 2023 17:05



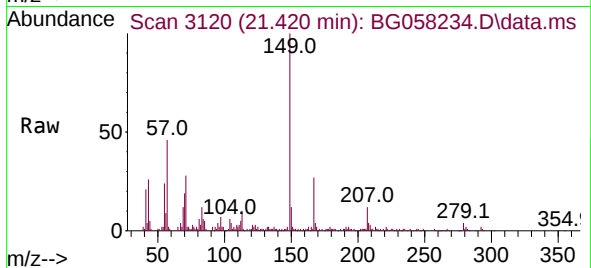
Tgt Ion:202 Resp: 63174  
Ion Ratio Lower Upper  
202 100  
101 12.3 10.2 15.2  
100 11.0 8.9 13.3





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 3.123 ng/ul  
RT: 21.420 min Scan# 3120  
Delta R.T. -0.005 min  
Lab File: BG058234.D  
Acq: 14 Jul 2023 17:05

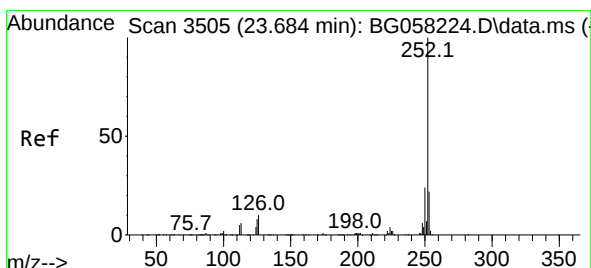
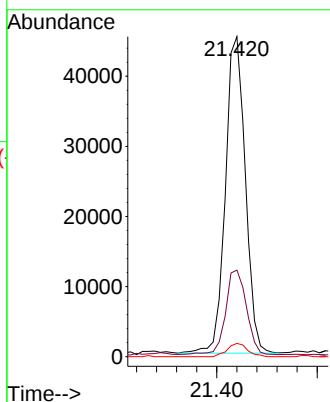
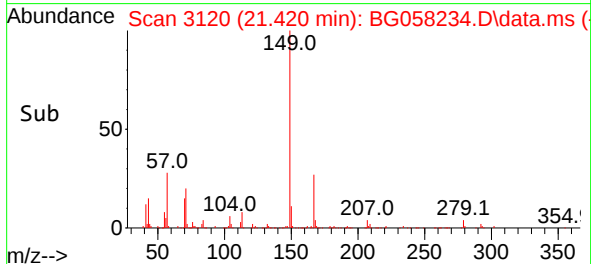
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Tgt Ion:149 Resp: 62235  
Ion Ratio Lower Upper  
149 100  
167 27.0 20.9 31.3  
279 4.2 3.1 4.7

Manual Integrations  
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Supervised By :mohammad ahmed 07/17/2023



#90  
Benzo(b)fluoranthene  
Concen: 1.057 ng/ul  
RT: 23.682 min Scan# 3505  
Delta R.T. -0.005 min  
Lab File: BG058234.D  
Acq: 14 Jul 2023 17:05

Tgt Ion:252 Resp: 36413  
Ion Ratio Lower Upper  
252 100  
253 25.5 18.1 27.1  
125 13.6 7.5 11.3#

