

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092324\  
 Data File : BG062991.D  
 Acq On : 23 Sep 2024 13:55  
 Operator : RC/JU  
 Sample : P3899-16ME  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DDC52ME

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/25/2024  
 Supervised By :mohammad ahmed 09/26/2024

Quant Time: Sep 23 15:04:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 18 00:45:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| Internal Standards            |        |      |          |          |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.858  | 152  | 36350    | 20.000   | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.649 | 136  | 149016   | 20.000   | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.491 | 164  | 84776    | 20.000   | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.247 | 188  | 302380   | 20.000   | ng/u1  | # 0.01   |
| 79) Chrysene-d12              | 21.489 | 240  | 319400   | 20.000   | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 24.527 | 264  | 382237   | 20.000   | ng/u1  | 0.01     |
| System Monitoring Compounds   |        |      |          |          |        |          |
| 3) 1,4-Dioxane-d8             | 3.334  | 96   | 2375m    | 1.914    | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.733  | 84   | 30129    | 8.943    | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.029  | 99   | 53453    | 14.171   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.182  | 67   | 33236    | 15.746   | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.394  | 132  | 38034    | 15.359   | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.563  | 113  | 45634    | 16.515   | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.010  | 128  | 20331    | 17.126   | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.732  | 143  | 24346    | 18.077   | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.273 | 165  | 48252    | 17.268   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.784 | 131  | 59750    | 17.182   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.892 | 166  | 166052   | 26.340   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.180 | 160  | 144473   | 20.518   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.697 | 143  | 14634    | 14.486   | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.484 | 176  | 96474    | 16.435   | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.602 | 200  | 21125    | 11.557   | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.341 | 188  | 233822   | 16.362   | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.632 | 212  | 301755   | 15.599   | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.321 | 264  | 289500   | 14.361   | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |          |        |          |
|                               |        |      |          |          | Qvalue |          |
| 30) Naphthalene               | 10.690 | 128  | 63046    | 7.620    | ng/u1# | 94       |
| 36) 2-Methylnaphthalene       | 12.312 | 142  | 106034   | 17.784   | ng/u1  | 94       |
| 37) 1-Methylnaphthalene       | 12.529 | 142  | 63720    | 10.560   | ng/u1# | 95       |
| 43) 1,1'-Biphenyl             | 13.322 | 154  | 11636    | 1.848    | ng/u1# | 93       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.126 | 232  | 181849   | 102.742  | ng/u1# | 94       |
| 61) Fluorene                  | 15.543 | 166  | 7564     | 1.238    | ng/u1# | 78       |
| 71) Pentachlorophenol         | 16.930 | 266  | 3133788  | 1415.898 | ng/u1  | 90       |
| 72) Phenanthrene              | 17.288 | 178  | 53057    | 3.303    | ng/u1# | 89       |

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

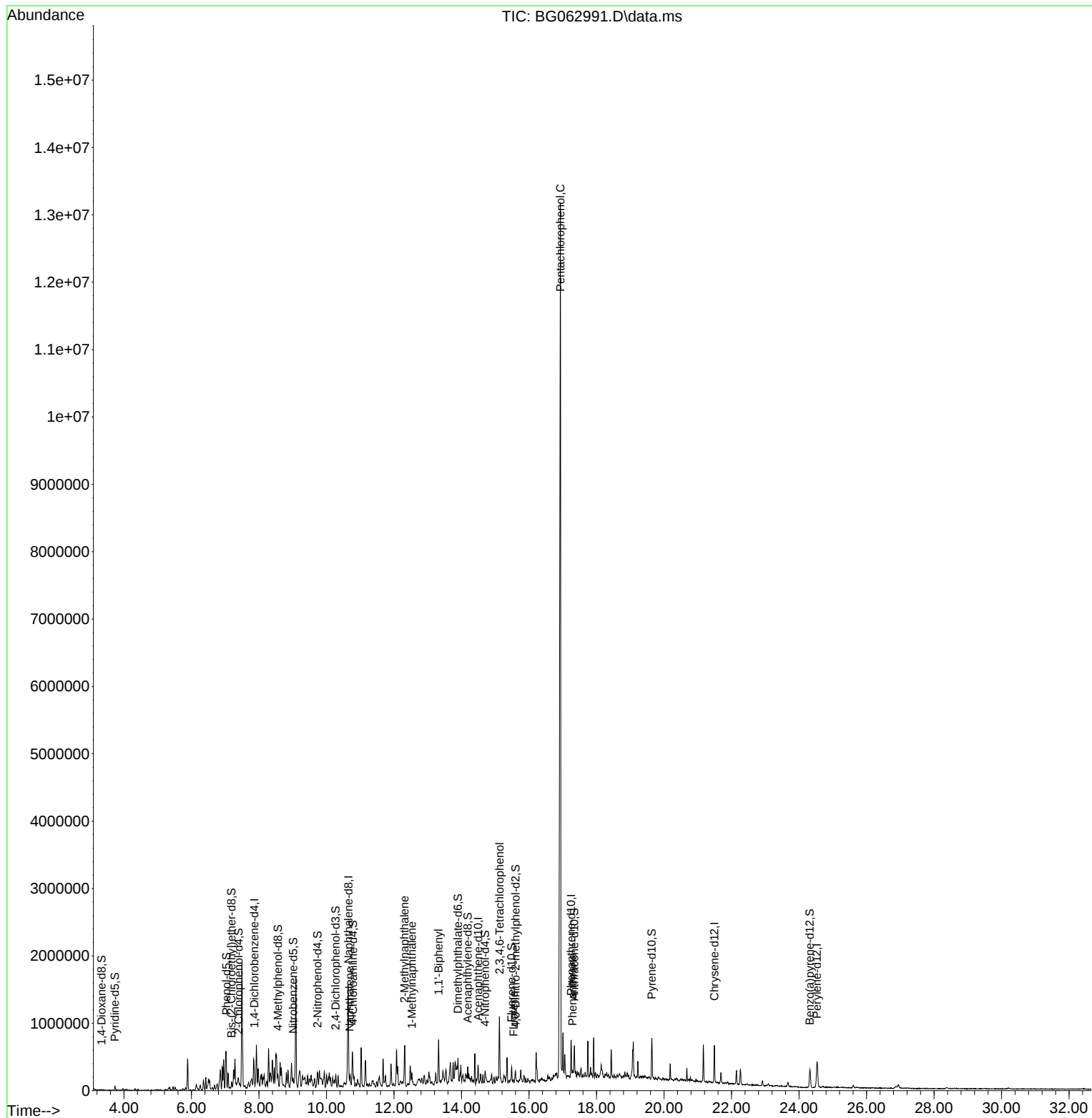
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG092324\  
Data File : BG062991.D  
Acq On : 23 Sep 2024 13:55  
Operator : RC/JU  
Sample : P3899-16ME  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

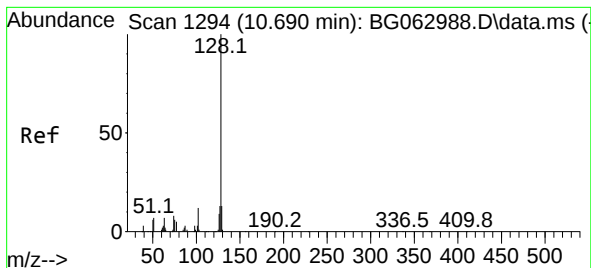
Instrument :  
BNA\_G  
ClientSampleId :  
DDC52ME

Quant Time: Sep 23 15:04:59 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG091724.MA.M  
Quant Title : SVOA CALIBRATION  
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Supervised By :mohammad ahmed 09/26/2024





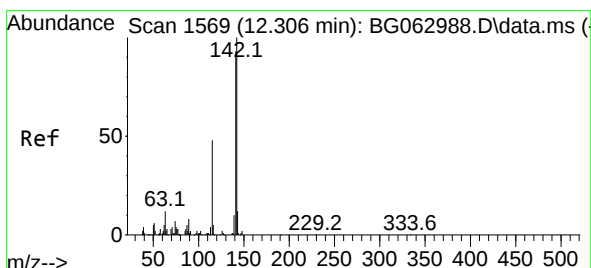
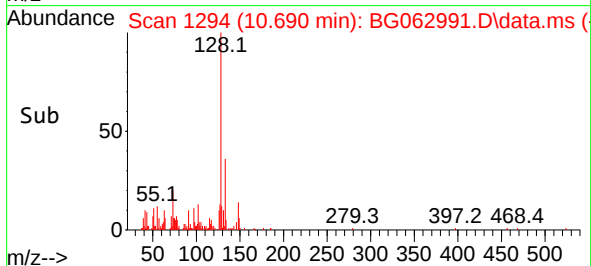
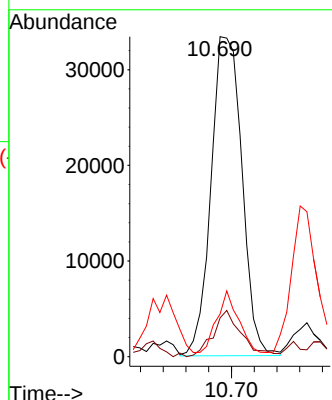
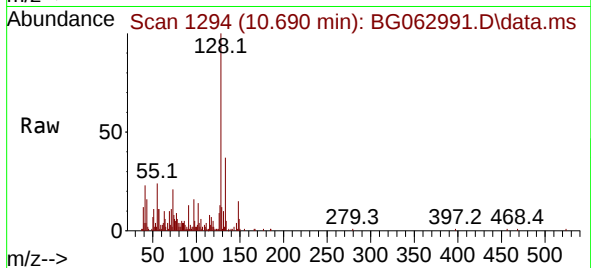
#30  
Naphthalene  
Concen: 7.620 ng/ul  
RT: 10.690 min Scan# 1  
Delta R.T. -0.007 min  
Lab File: BG062991.D  
Acq: 23 Sep 2024 13:55

Instrument :  
BNA\_G  
ClientSampleId :  
DDC52ME

Tgt Ion:128 Resp: 63040  
Ion Ratio Lower Upper  
128 100  
129 12.1 7.1 10.7  
127 13.3 9.4 14.2

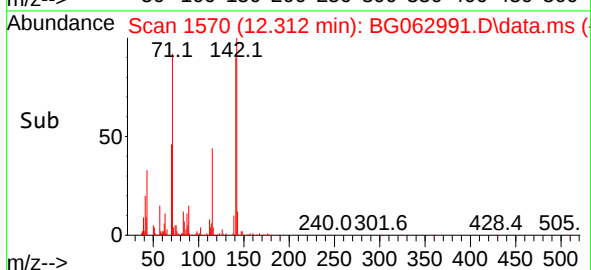
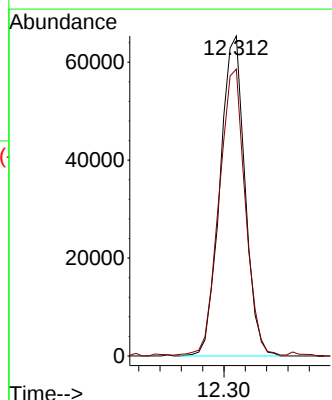
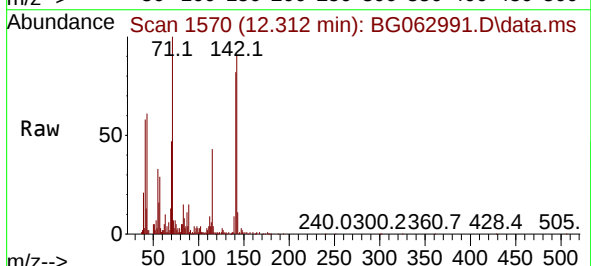
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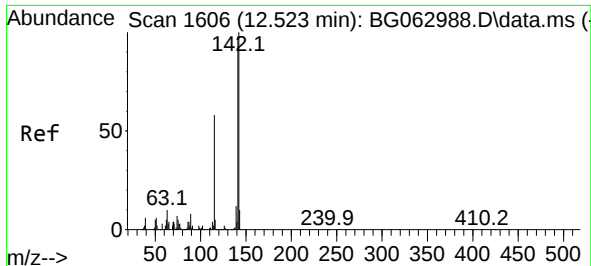
Reviewed By :Yogesh Patel 09/25/2024  
Supervised By :mohammad ahmed 09/26/2024



#36  
2-Methylnaphthalene  
Concen: 17.784 ng/ul  
RT: 12.312 min Scan# 1570  
Delta R.T. 0.004 min  
Lab File: BG062991.D  
Acq: 23 Sep 2024 13:55

Tgt Ion:142 Resp: 106034  
Ion Ratio Lower Upper  
142 100  
141 89.7 76.5 114.7





#37

1-Methylnaphthalene

Concen: 10.560 ng/ul

RT: 12.529 min Scan# 1607

Delta R.T. 0.004 min

Lab File: BG062991.D

Acq: 23 Sep 2024 13:55

Instrument :

BNA\_G

ClientSampleId :

DDC52ME

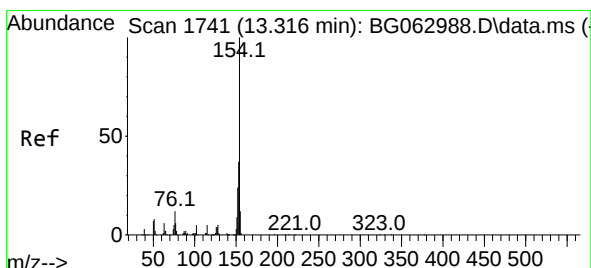
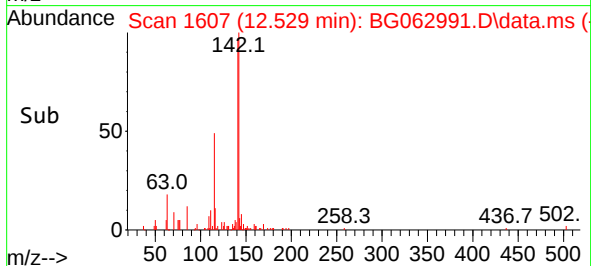
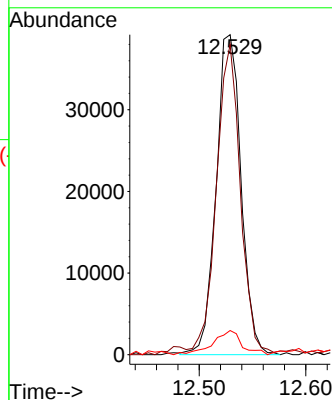
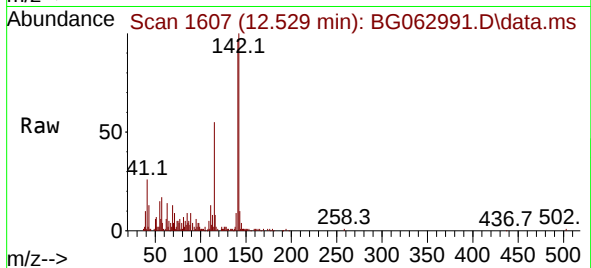
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 63720 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 97.0  | 74.1  | 111.1 |
| 116       | 7.5   | 3.6   | 5.4   |

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#43

1,1'-Biphenyl

Concen: 1.848 ng/ul

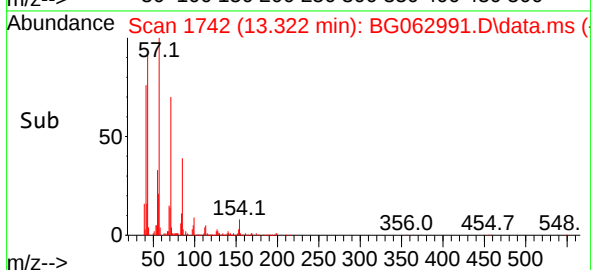
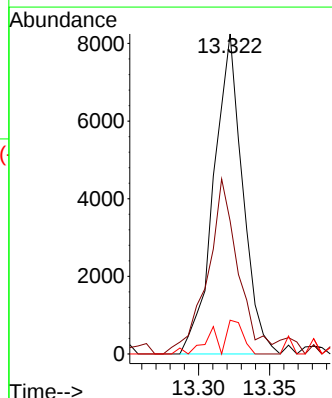
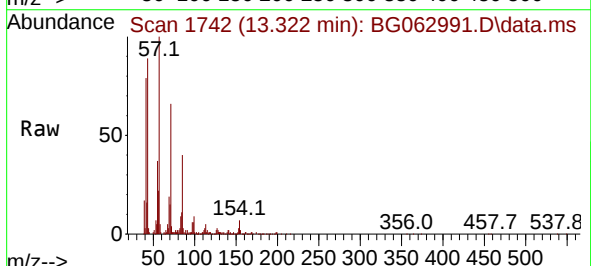
RT: 13.322 min Scan# 1742

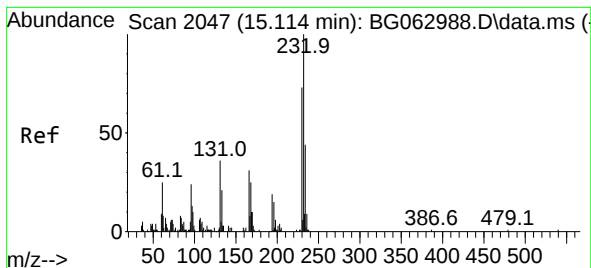
Delta R.T. 0.004 min

Lab File: BG062991.D

Acq: 23 Sep 2024 13:55

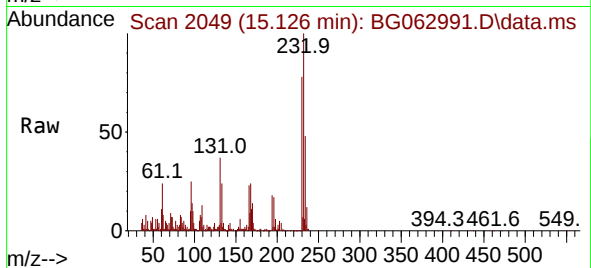
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 11636 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 41.5  | 30.3  | 45.5  |
| 76        | 10.6  | 11.9  | 17.9  |





#58  
2,3,4,6-Tetrachlorophenol  
Concen: 102.742 ng/ul  
RT: 15.126 min Scan# 2049  
Delta R.T. 0.010 min  
Lab File: BG062991.D  
Acq: 23 Sep 2024 13:55

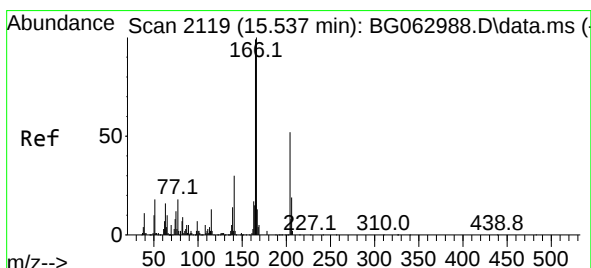
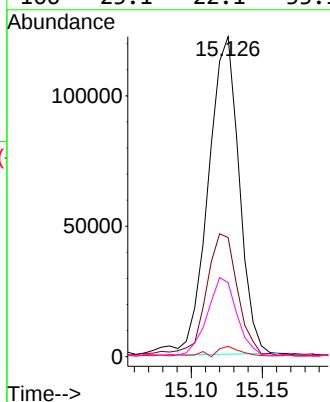
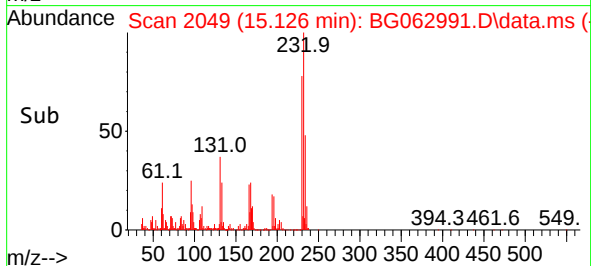
Instrument :  
BNA\_G  
ClientSampleId :  
DDC52ME



Tgt Ion:232 Resp: 181849  
Ion Ratio Lower Upper  
232 100  
131 37.2 31.9 47.9  
130 3.3 1.9 2.9  
166 23.1 22.1 33.1

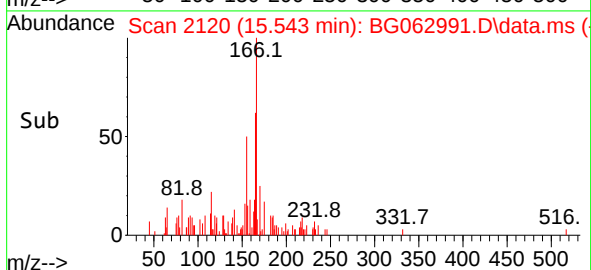
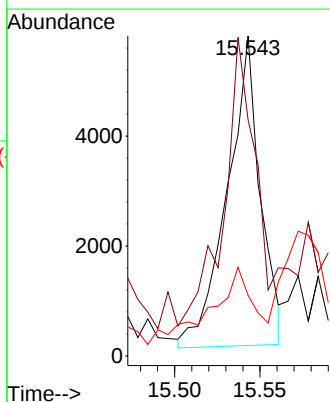
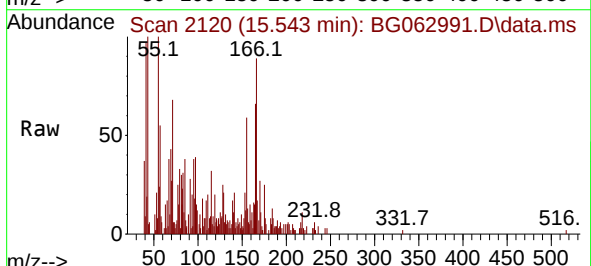
Manual Integrations  
APPROVED

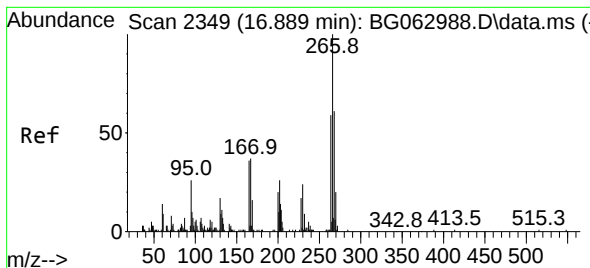
Reviewed By :Yogesh Patel 09/25/2024  
Supervised By :mohammad ahmed 09/26/2024



#61  
Fluorene  
Concen: 1.238 ng/ul  
RT: 15.543 min Scan# 2120  
Delta R.T. 0.004 min  
Lab File: BG062991.D  
Acq: 23 Sep 2024 13:55

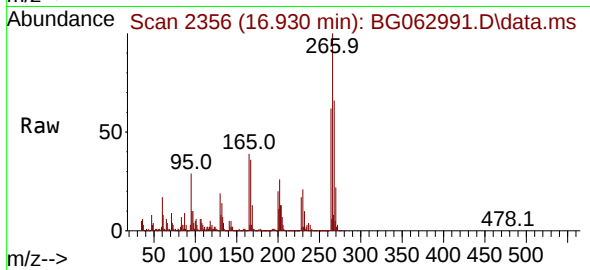
Tgt Ion:166 Resp: 7564  
Ion Ratio Lower Upper  
166 100  
165 73.7 77.2 115.8#  
167 18.9 10.8 16.2#





#71  
Pentachlorophenol  
Concen: 1415.898 ng/ul  
RT: 16.930 min Scan# 21  
Delta R.T. 0.040 min  
Lab File: BG062991.D  
Acq: 23 Sep 2024 13:55

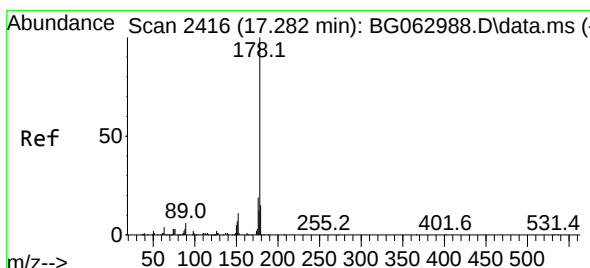
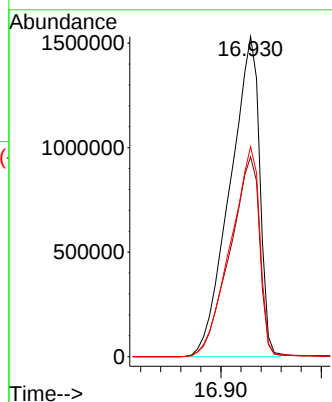
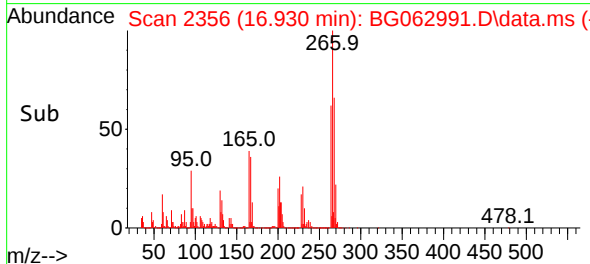
Instrument :  
BNA\_G  
ClientSampleId :  
DDC52ME



Tgt Ion:266 Resp: 313378  
Ion Ratio Lower Upper  
266 100  
264 62.5 43.0 64.4  
268 65.6 47.2 70.8

Manual Integrations  
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#72  
Phenanthrene  
Concen: 3.303 ng/ul  
RT: 17.288 min Scan# 2417  
Delta R.T. 0.010 min  
Lab File: BG062991.D  
Acq: 23 Sep 2024 13:55

Tgt Ion:178 Resp: 53057  
Ion Ratio Lower Upper  
178 100  
179 22.3 12.3 18.5#  
176 22.5 15.5 23.3

