

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG091324\  
 Data File : BG062796.D  
 Acq On : 13 Sep 2024 20:17  
 Operator : JU/RC  
 Sample : P3898-13  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DDC78

Manual Integrations  
 APPROVED

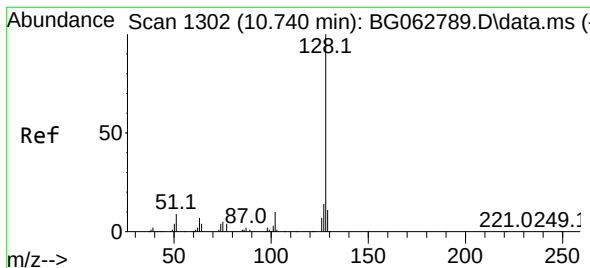
Reviewed By :Yogesh Patel 09/16/2024  
 Supervised By :mohammad ahmed 09/17/2024

Quant Time: Sep 14 00:34:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG090924.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 10 01:28:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc     | Units   | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|---------|----------|
| -----                         |        |      |           |          |         |          |
| Internal Standards            |        |      |           |          |         |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.912  | 152  | 56113     | 20.000   | ng/u1   | 0.00     |
| 20) Naphthalene-d8            | 10.697 | 136  | 198820    | 20.000   | ng/u1 # | 0.00     |
| 38) Acenaphthene-d10          | 14.534 | 164  | 200602    | 20.000   | ng/u1   | 0.00     |
| 64) Phenanthrene-d10          | 17.295 | 188  | 446874    | 20.000   | ng/u1   | 0.02     |
| 79) Chrysene-d12              | 21.520 | 240  | 452695    | 20.000   | ng/u1   | 0.00     |
| 88) Perylene-d12              | 24.587 | 264  | 523130    | 20.000   | ng/u1   | 0.00     |
|                               |        |      |           |          |         |          |
| System Monitoring Compounds   |        |      |           |          |         |          |
| 3) 1,4-Dioxane-d8             | 3.359  | 96   | 4318      | 3.479    | ng/uL   | 0.00     |
| 4) Pyridine-d5                | 3.770  | 84   | 39577     | 10.016   | ng/u1   | 0.00     |
| 7) Phenol-d5                  | 7.090  | 99   | 97167     | 19.748   | ng/u1   | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.237  | 67   | 67379     | 22.840   | ng/u1   | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.448  | 132  | 72664     | 20.274   | ng/u1   | 0.01     |
| 15) 4-Methylphenol-d8         | 8.629  | 113  | 79281     | 19.335   | ng/u1   | 0.02     |
| 21) Nitrobenzene-d5           | 9.064  | 128  | 42588     | 29.971   | ng/u1   | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.781  | 143  | 45876     | 29.520   | ng/u1   | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.339 | 165  | 95932     | 28.345   | ng/u1   | 0.02     |
| 31) 4-Chloroaniline-d4        | 10.815 | 131  | 44950     | 9.662    | ng/u1   | -0.02    |
| 46) Dimethylphthalate-d6      | 13.940 | 166  | 307185    | 19.885   | ng/u1   | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 361257    | 21.057   | ng/u1   | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.734 | 143  | 48398     | 18.443   | ng/u1   | 0.00     |
| 60) Fluorene-d10              | 15.527 | 176  | 283953    | 20.398   | ng/u1   | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.644 | 200  | 67550m    | 26.279   | ng/u1   | 0.00     |
| 73) Anthracene-d10            | 17.389 | 188  | 447893    | 21.237   | ng/u1   | 0.01     |
| 81) Pyrene-d10                | 19.669 | 212  | 547152    | 21.479   | ng/u1   | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.375 | 264  | 579981    | 20.996   | ng/u1   | 0.00     |
|                               |        |      |           |          |         |          |
| Target Compounds              |        |      |           |          |         |          |
|                               |        |      |           |          | Qvalue  |          |
| 30) Naphthalene               | 10.750 | 128  | 230085    | 21.583   | ng/u1   | 96       |
| 36) 2-Methylnaphthalene       | 12.360 | 142  | 468616    | 59.561   | ng/u1   | 95       |
| 37) 1-Methylnaphthalene       | 12.577 | 142  | 270741    | 33.594   | ng/u1#  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.971 | 196  | 17765     | 4.253    | ng/u1   | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.047 | 196  | 7438      | 1.658    | ng/u1   | 93       |
| 43) 1,1'-Biphenyl             | 13.365 | 154  | 32081     | 2.274    | ng/u1#  | 85       |
| 52) Acenaphthene              | 14.599 | 153  | 39312     | 3.064    | ng/u1   | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.174 | 232  | 1390447   | 305.921  | ng/u1   | 99       |
| 61) Fluorene                  | 15.580 | 166  | 53034     | 3.542    | ng/u1#  | 91       |
| 71) Pentachlorophenol         | 17.013 | 266  | 12339426m | 3513.724 | ng/u1   |          |
| 72) Phenanthrene              | 17.336 | 178  | 273933    | 11.788   | ng/u1   | 97       |
| -----                         |        |      |           |          |         |          |

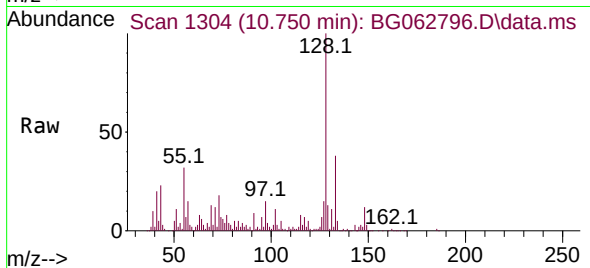
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#30  
Naphthalene  
Concen: 21.583 ng/ul  
RT: 10.750 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

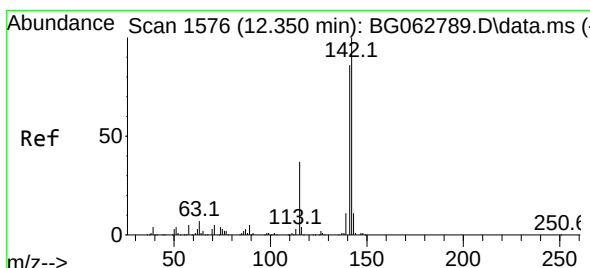
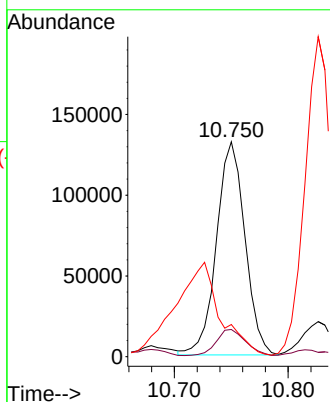
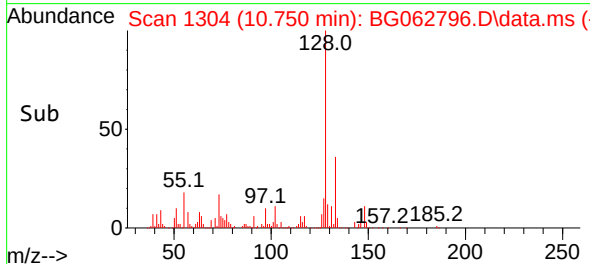
Instrument :  
BNA\_G  
ClientSampleId :  
DDC78



Tgt Ion:128 Resp: 230085  
Ion Ratio Lower Upper  
128 100  
129 12.7 9.0 13.6  
127 15.0 10.7 16.1

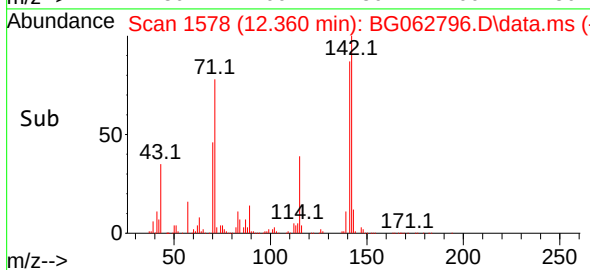
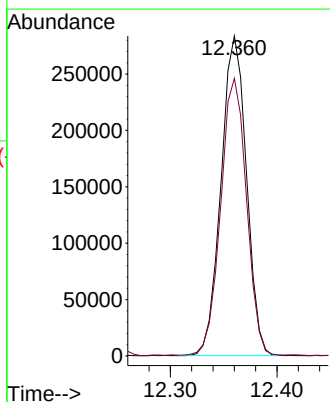
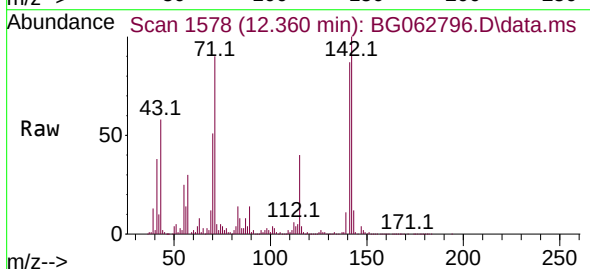
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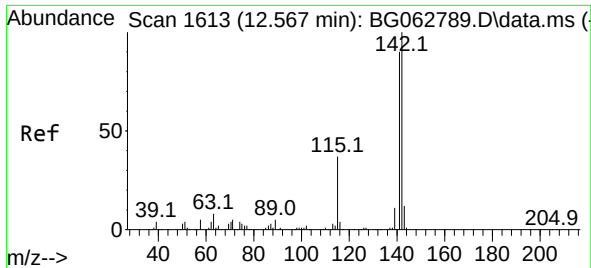
Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#36  
2-Methylnaphthalene  
Concen: 59.561 ng/ul  
RT: 12.360 min Scan# 1578  
Delta R.T. 0.001 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

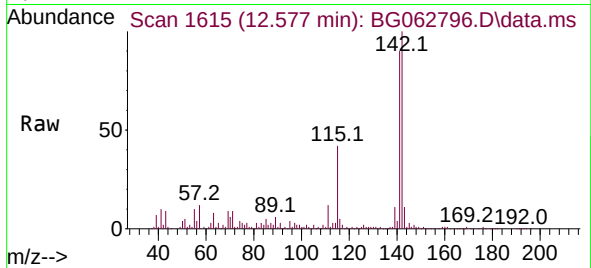
Tgt Ion:142 Resp: 468616  
Ion Ratio Lower Upper  
142 100  
141 86.8 73.4 110.2





#37  
1-Methylnaphthalene  
Concen: 33.594 ng/ul  
RT: 12.577 min Scan# 1  
Delta R.T. 0.001 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

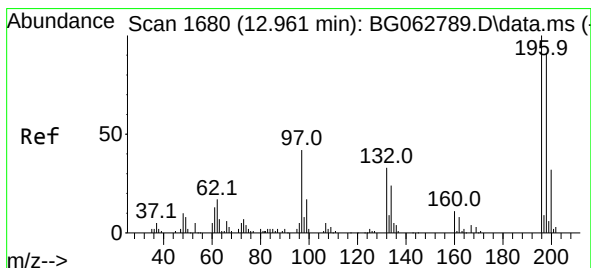
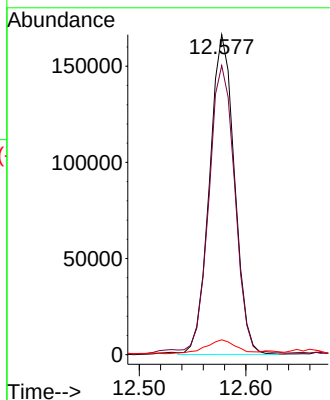
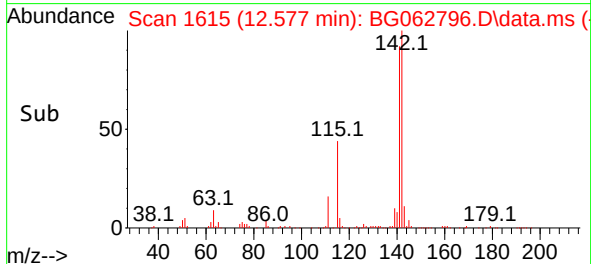
Instrument :  
BNA\_G  
ClientSampleId :  
DDC78



Tgt Ion:142 Resp: 27074  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.1 106.7  
116 4.6 3.0 4.6

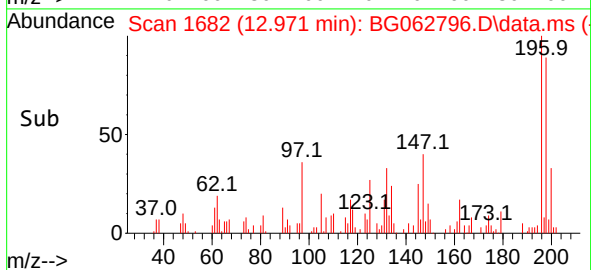
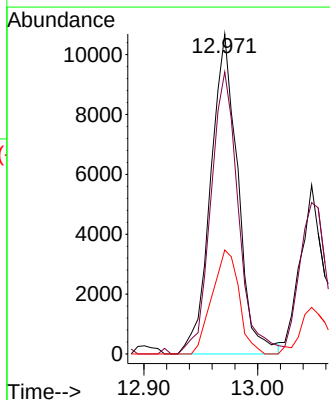
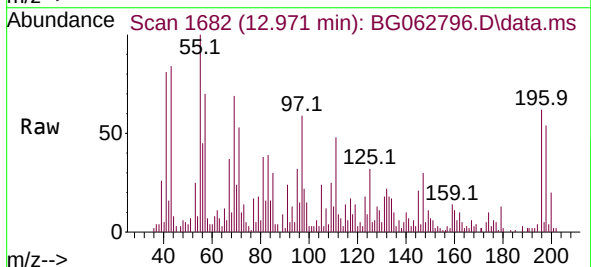
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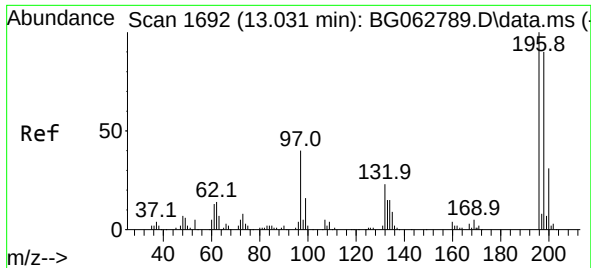
Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#41  
2,4,6-Trichlorophenol  
Concen: 4.253 ng/ul  
RT: 12.971 min Scan# 1682  
Delta R.T. 0.007 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

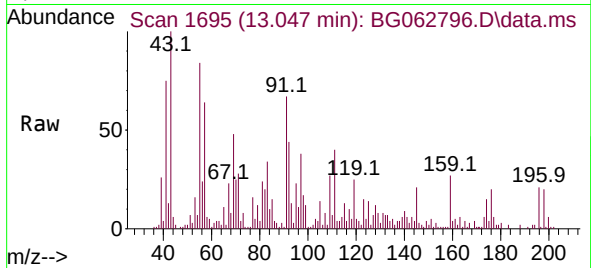
Tgt Ion:196 Resp: 17765  
Ion Ratio Lower Upper  
196 100  
198 88.1 76.2 114.4  
200 32.5 26.0 39.0





#42  
2,4,5-Trichlorophenol  
Concen: 1.658 ng/ul  
RT: 13.047 min Scan# 1692  
Delta R.T. 0.007 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

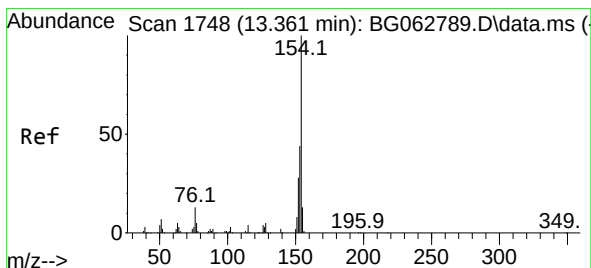
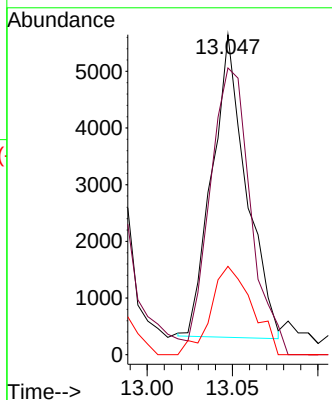
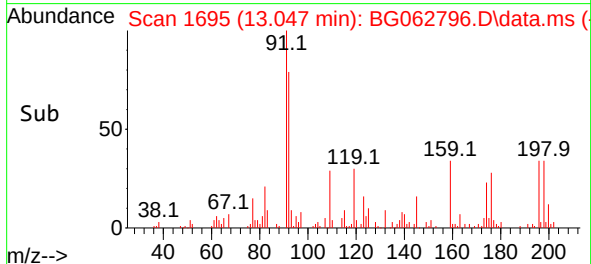
Instrument :  
BNA\_G  
ClientSampleId :  
DDC78



Tgt Ion:196 Resp: 7438  
Ion Ratio Lower Upper  
196 100  
198 95.7 71.2 106.8  
200 27.6 24.6 37.0

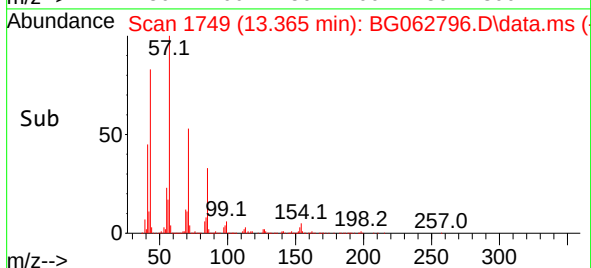
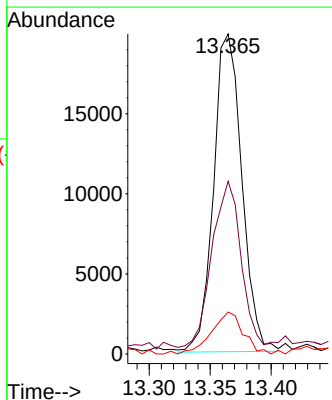
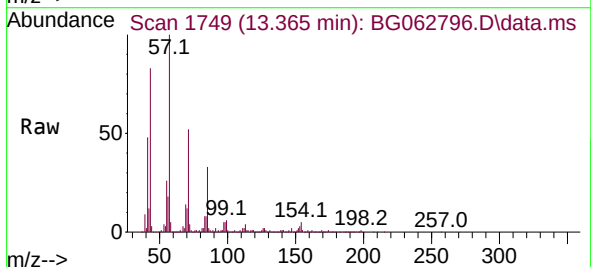
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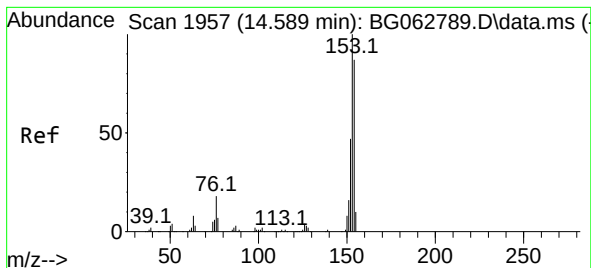
Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#43  
1,1'-Biphenyl  
Concen: 2.274 ng/ul  
RT: 13.365 min Scan# 1749  
Delta R.T. 0.001 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

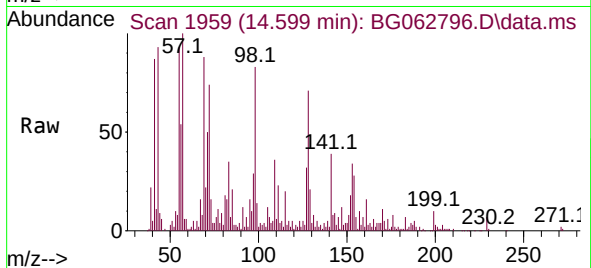
Tgt Ion:154 Resp: 32081  
Ion Ratio Lower Upper  
154 100  
153 54.0 33.4 50.0#  
76 13.1 10.1 15.1





#52  
Acenaphthene  
Concen: 3.064 ng/ul  
RT: 14.599 min Scan# 1959  
Delta R.T. 0.001 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

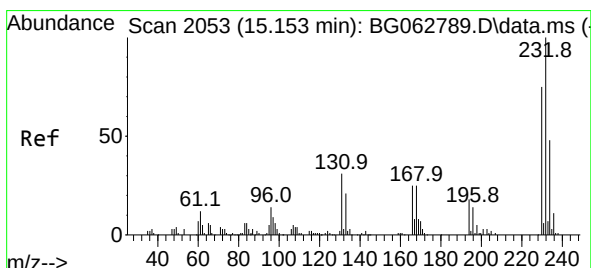
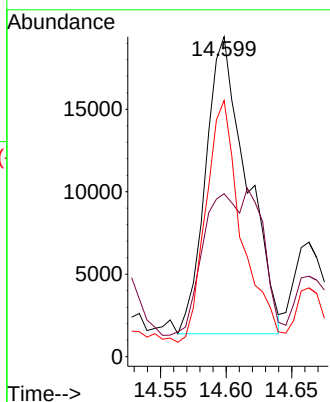
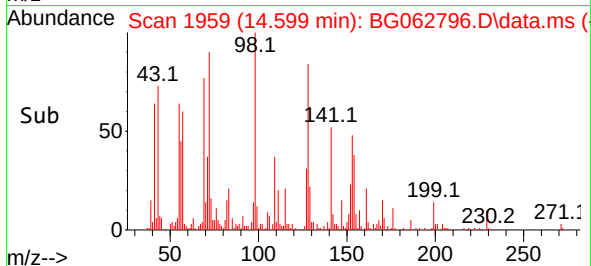
Instrument :  
BNA\_G  
ClientSampleId :  
DDC78



Tgt Ion:153 Resp: 39312  
Ion Ratio Lower Upper  
153 100  
152 50.9 37.2 55.8  
154 80.0 67.8 101.6

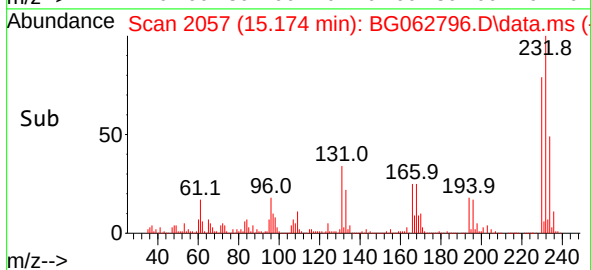
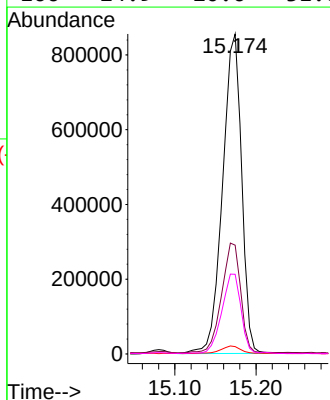
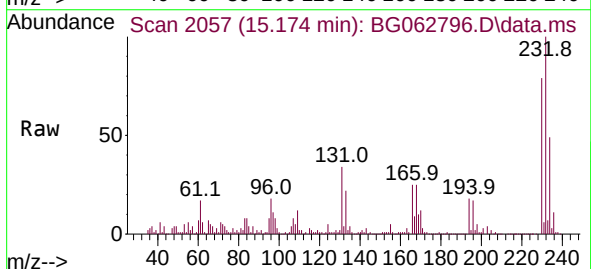
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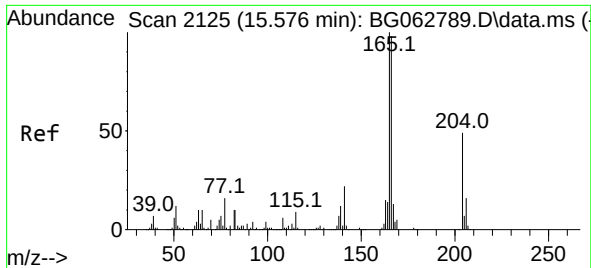
Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 305.921 ng/ul  
RT: 15.174 min Scan# 2057  
Delta R.T. 0.019 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

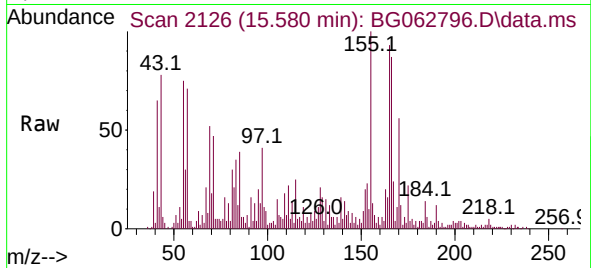
Tgt Ion:232 Resp: 1390447  
Ion Ratio Lower Upper  
232 100  
131 34.0 26.6 40.0  
130 2.3 1.6 2.4  
166 24.9 20.6 31.0





#61  
Fluorene  
Concen: 3.542 ng/ul  
RT: 15.580 min Scan# 2125  
Delta R.T. 0.001 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17

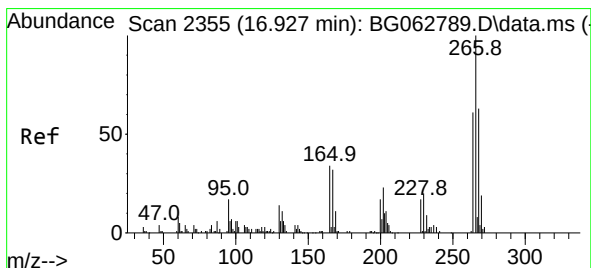
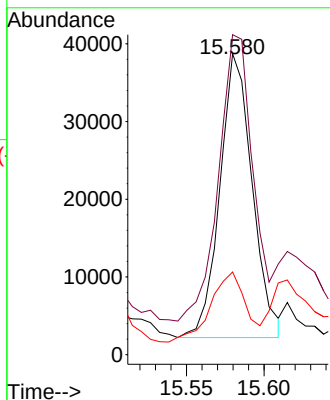
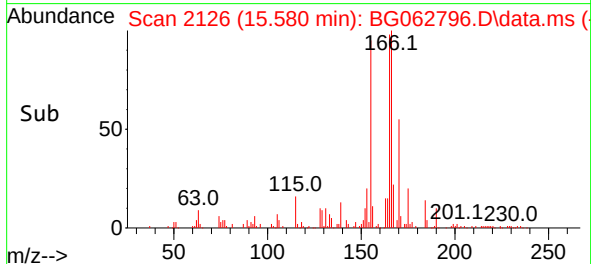
Instrument :  
BNA\_G  
ClientSampleId :  
DDC78



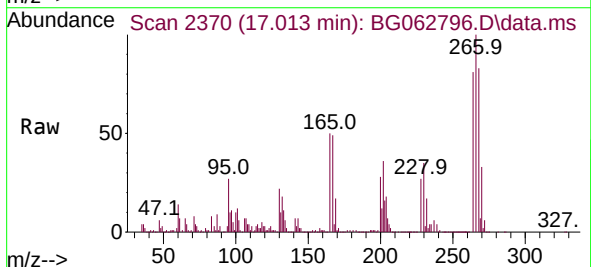
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Ion Ratio Lower Upper  
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165 106.3 80.9 121.3  
167 27.5 10.9 16.3

Manual Integrations  
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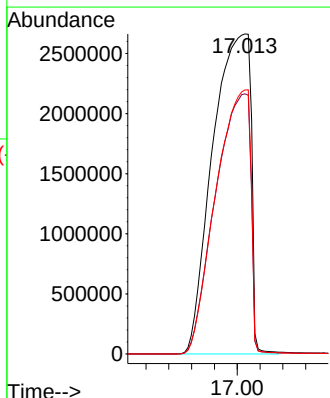
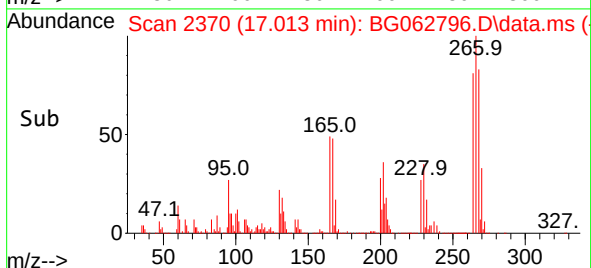
Reviewed By :Yogesh Patel 09/16/2024  
Supervised By :mohammad ahmed 09/17/2024

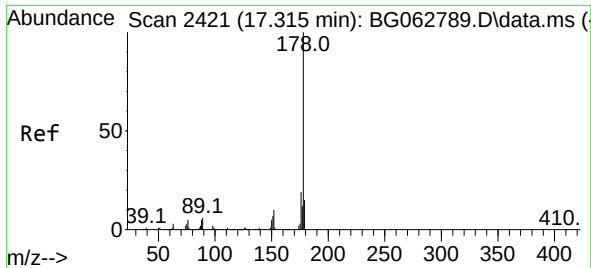


#71  
Pentachlorophenol  
Concen: 3513.724 ng/ul m  
RT: 17.013 min Scan# 2370  
Delta R.T. 0.083 min  
Lab File: BG062796.D  
Acq: 13 Sep 2024 20:17



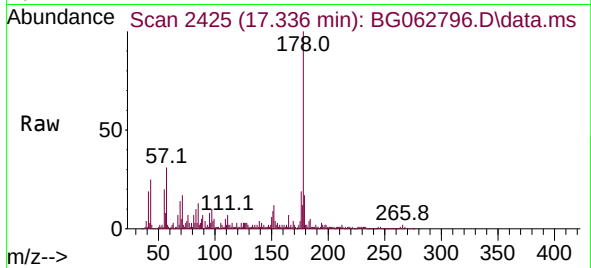
Tgt Ion:266 Resp:12339426  
Ion Ratio Lower Upper  
266 100  
264 81.3 48.6 72.8#  
268 82.5 49.5 74.3#





#72  
 Phenanthrene  
 Concen: 11.788 ng/ul  
 RT: 17.336 min Scan# 2425  
 Delta R.T. 0.013 min  
 Lab File: BG062796.D  
 Acq: 13 Sep 2024 20:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DDC78



Tgt Ion:178 Resp: 273933  
 Ion Ratio Lower Upper  
 178 100  
 179 17.0 12.1 18.1  
 176 19.0 14.9 22.3

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