Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121624\
Data File : BG063688.D
Acq On : 16 Dec 2024 14:20
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 17 02:42:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
E28R8

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.808 | 152 | 200383 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.599 | 136 | 841685 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.453 | 164 | 599889 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.203 | 188 | 1183759 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.451 | 240 | 1151247 | 20.000 | ng/ul | -0.01 |
| 88) Perylene-d12 | 24.476 | 264 | 1245111 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.272 | 96 | 15812 | 3.092 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.683 | 84 | 231012 | 14.321 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.997 | 99 | 377226 | 20.440 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.144 | 67 | 246712 | 19.356 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.349 | 132 | 218403 | 18.280 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.530 | 113 | 330223 | 23.047 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.965 | 128 | 143527 | 23.883 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.688 | 143 | 115908 | 17.206 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.234 | 165 | 233697 | 17.918 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.740 | 131 | 384637 | 23.226 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.859 | 166 | 1008254 | 24.700 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.141 | 160 | 1188961 | 25.551 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.688 | 143 | 54509m | 9.425 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.446 | 176 | 918173 | 25.441 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200 | 9631 | 1.567 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.302 | 188 | 1413503 | 27.773 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.600 | 212 | 1540418 | 25.713 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.271 | 264 | 1497255 | 25.607 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 8) Phenol | 7.020 | 94 | 25502m | 1.297 | ng/ul | |
| 72) Phenanthrene | 17.244 | 178 | 63574 | 1.114 | ng/ul | 98 |
| 80) Fluoranthene | 19.265 | 202 | 100071 | 1.470 | ng/ul# | 95 |
| 82) Pyrene | 19.629 | 202 | 94381 | 1.303 | ng/ul | 99 |

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

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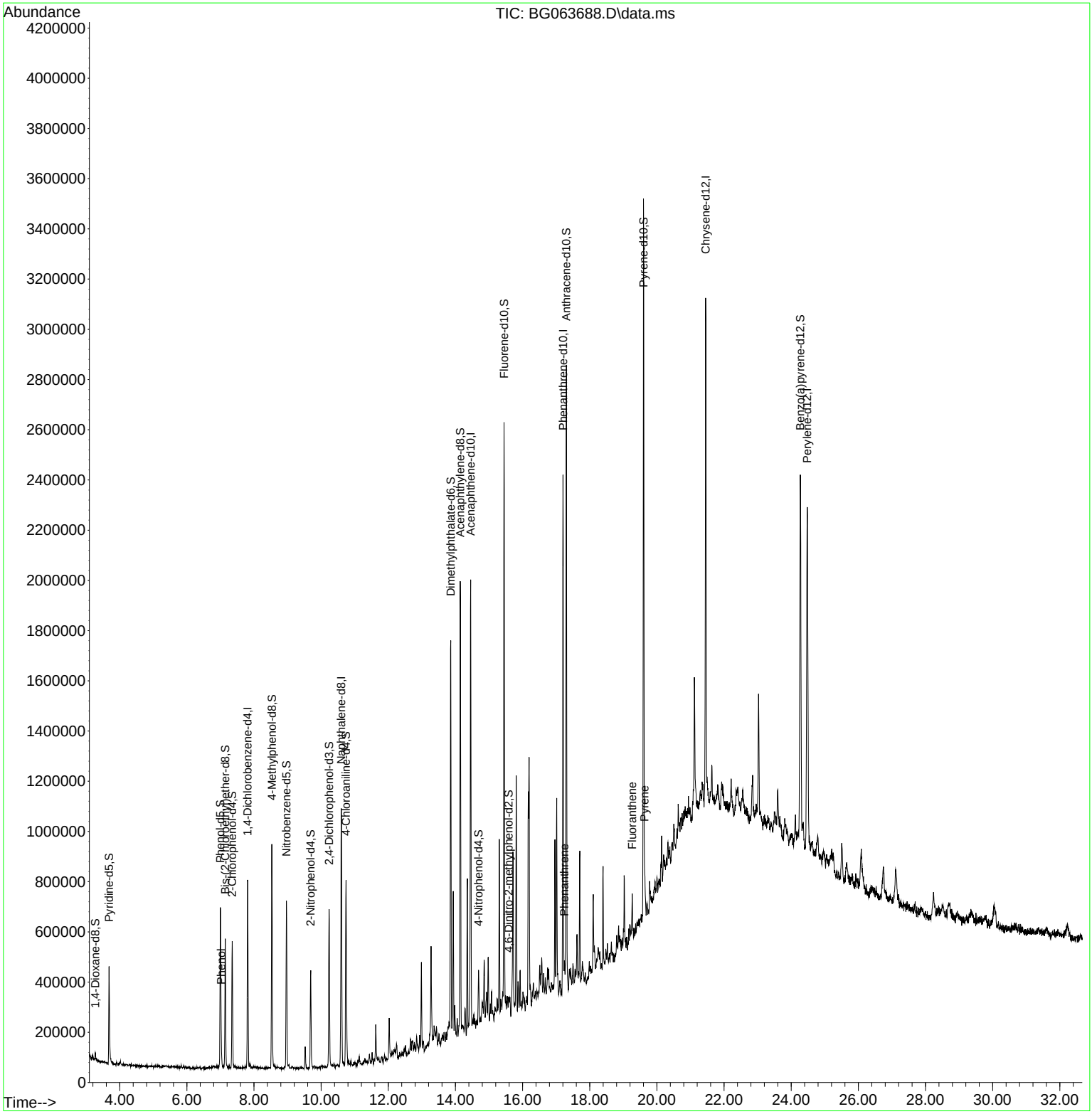
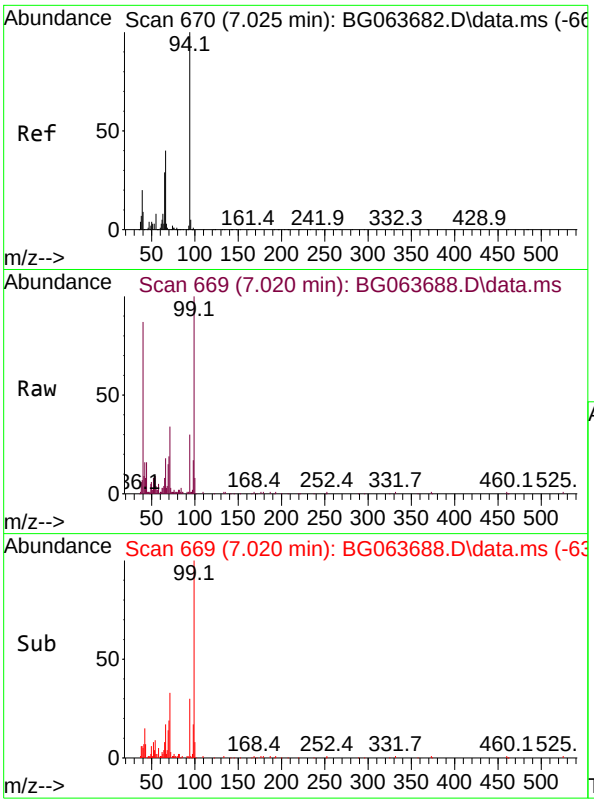
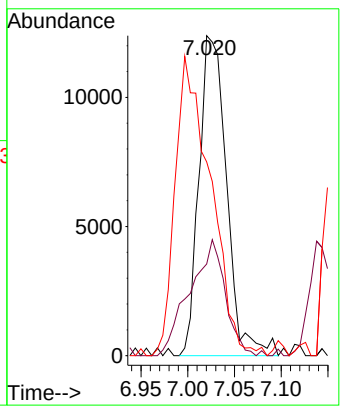





#8
Phenol
Concen: 1.297 ng/ul m
RT: 7.020 min Scan# 6
Delta R.T. 0.002 min
Lab File: BG063688.D
Acq: 16 Dec 2024 14:20

Tgt Ion: 94 Resp: 2550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.6 | 25.6 | 38.4 |
| 66 | 60.6 | 34.2 | 51.2 |

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**Manual Integrations**
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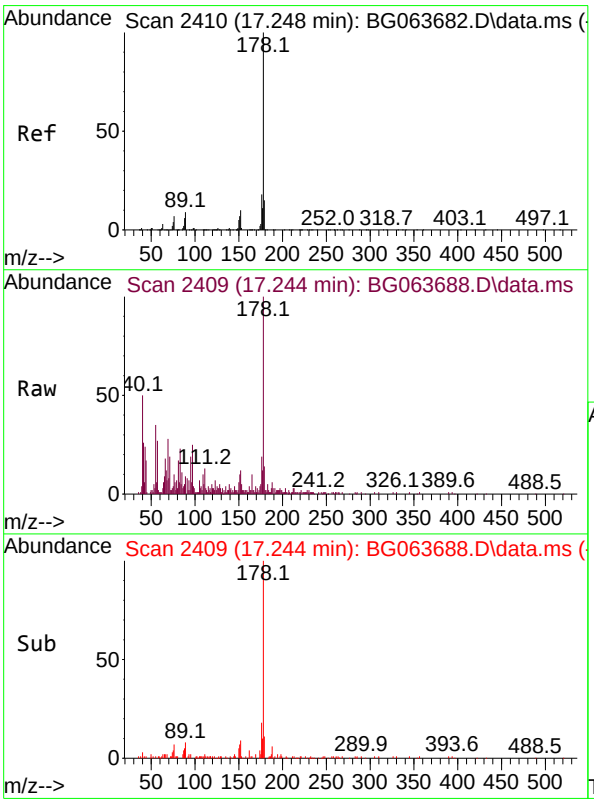
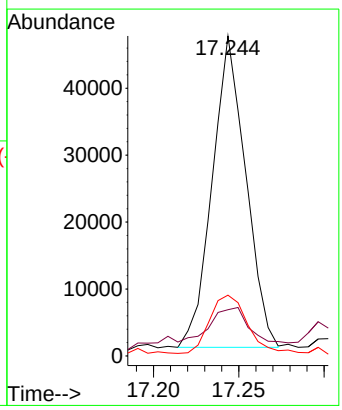
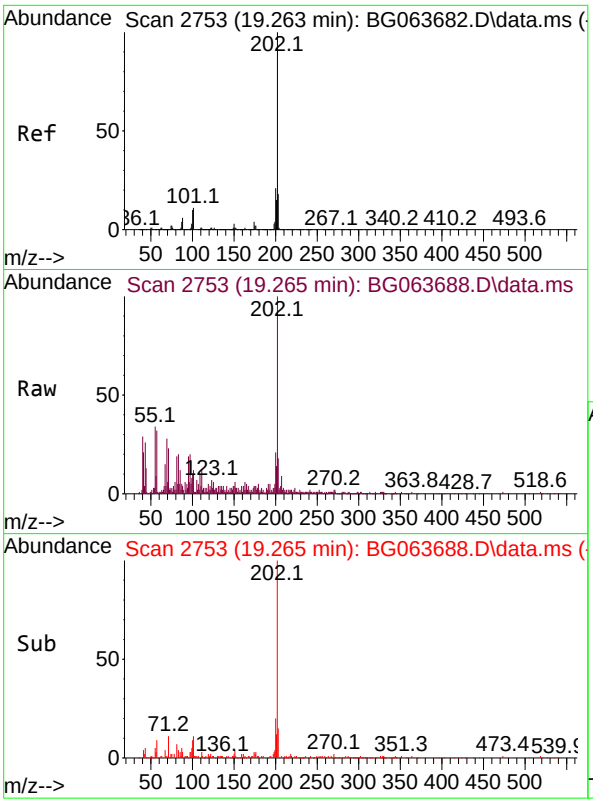



#72
Phenanthrene
Concen: 1.114 ng/ul
RT: 17.244 min Scan# 2409
Delta R.T. -0.004 min
Lab File: BG063688.D
Acq: 16 Dec 2024 14:20

Tgt Ion:178 Resp: 63574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.5 | 12.2 | 18.2 |
| 176 | 19.0 | 15.8 | 23.6 |

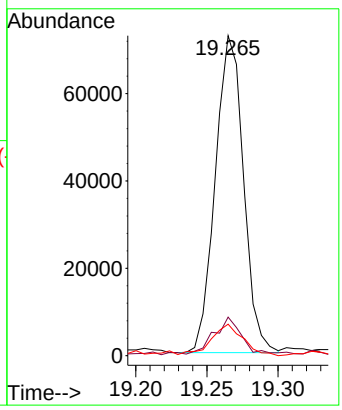





#80
Fluoranthene
Concen: 1.470 ng/ul
RT: 19.265 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG063688.D
Acq: 16 Dec 2024 14:20

Tgt Ion:202 Resp: 10007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 8.1 | 12.1 |
| 100 | 9.9 | 6.5 | 9.7 |




**Instrument :**
BNA_G
**ClientSampleId :**
E28R8

**Manual Integrations**
**APPROVED**

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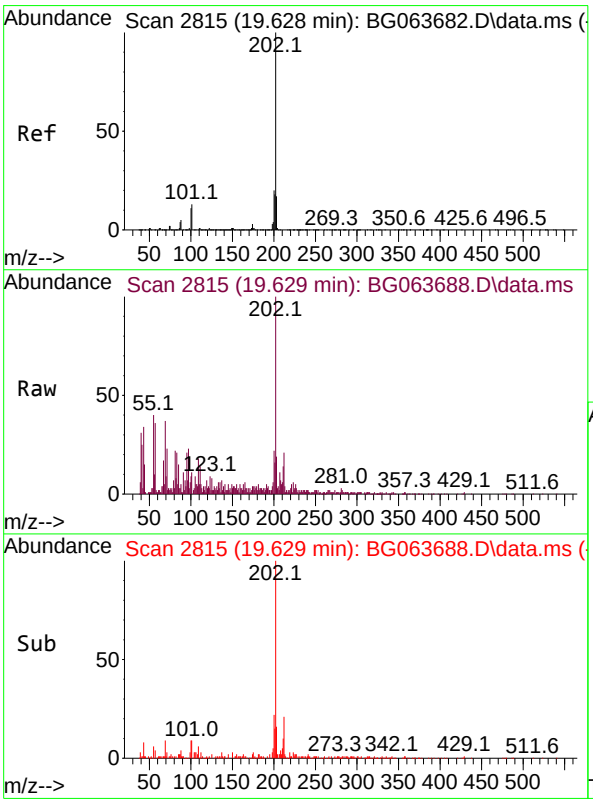


#82
Pyrene
Concen: 1.303 ng/ul
RT: 19.629 min Scan# 2815
Delta R.T. -0.004 min
Lab File: BG063688.D
Acq: 16 Dec 2024 14:20

Tgt Ion:202 Resp: 94381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.9 | 8.7 | 13.1 |
| 100 | 9.1 | 7.8 | 11.6 |