Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092023\
Data File : BG059169.D
Acq On : 22 Sep 2023 18:41
Operator : MA/JU
Sample : 04429-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 23 01:01:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 20 04:25:24 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BBKJ1

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 09/23/2023
Supervised By :mohammad ahmed 09/23/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.313 | 152 | 26250 | 20.000 | ng/ul | # 0.01 |
| 20) Naphthalene-d8 | 11.156 | 136 | 134735 | 20.000 | ng/ul | 0.01 |
| 38) Acenaphthene-d10 | 14.940 | 164 | 90990 | 20.000 | ng/ul | 0.01 |
| 64) Phenanthrene-d10 | 17.690 | 188 | 194655 | 20.000 | ng/ul | 0.01 |
| 79) Chrysene-d12 | 22.008 | 240 | 153343 | 20.000 | ng/ul | 0.01 |
| 88) Perylene-d12 | 25.569 | 264 | 176297 | 20.000 | ng/ul | 0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.624 | 96 | 3775 | 5.629 | ng/uL | 0.01 |
| 4) Pyridine-d5 | 4.059 | 84 | 31640 | 16.082 | ng/ul | 0.01 |
| 7) Phenol-d5 | 7.431 | 99 | 26355 | 10.211 | ng/ul | 0.02 |
| 9) Bis-(2-Chloroethyl)eth... | 7.631 | 67 | 66716 | 42.120 | ng/ul | 0.01 |
| 11) 2-Chlorophenol-d4 | 7.831 | 132 | 67225 | 35.293 | ng/ul | 0.02 |
| 15) 4-Methylphenol-d8 | 9.000 | 113 | 47688 | 23.198 | ng/ul | 0.02 |
| 21) Nitrobenzene-d5 | 9.511 | 128 | 42868 | 41.232 | ng/ul | 0.02 |
| 24) 2-Nitrophenol-d4 | 10.228 | 143 | 42669 | 40.626 | ng/ul | 0.02 |
| 28) 2,4-Dichlorophenol-d3 | 10.757 | 165 | 84412 | 42.334 | ng/ul | 0.02 |
| 31) 4-Chloroaniline-d4 | 11.297 | 131 | 84539 | 27.165 | ng/ul | 0.01 |
| 46) Dimethylphthalate-d6 | 14.335 | 166 | 310736 | 44.405 | ng/ul | 0.01 |
| 49) Acenaphthylene-d8 | 14.641 | 160 | 370451 | 43.477 | ng/ul | 0.01 |
| 54) 4-Nitrophenol-d4 | 15.128 | 143 | 7017m | 5.496 | ng/ul | 0.03 |
| 60) Fluorene-d10 | 15.927 | 176 | 275770 | 43.052 | ng/ul | 0.01 |
| 65) 4,6-Dinitro-2-methylph... | 16.033 | 200 | 38514 | 34.802 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.790 | 188 | 403093 | 45.512 | ng/ul | 0.01 |
| 81) Pyrene-d10 | 20.058 | 212 | 455602 | 50.832 | ng/ul | 0.01 |
| 92) Benzo(a)pyrene-d12 | 25.322 | 264 | 403864 | 46.915 | ng/ul | 0.03 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.659 | 88 | 4363 | 5.754 | ng/uL | 91 |
| 34) Caprolactam | 12.097 | 113 | 13085 | 17.727 | ng/ul# | 64 |

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

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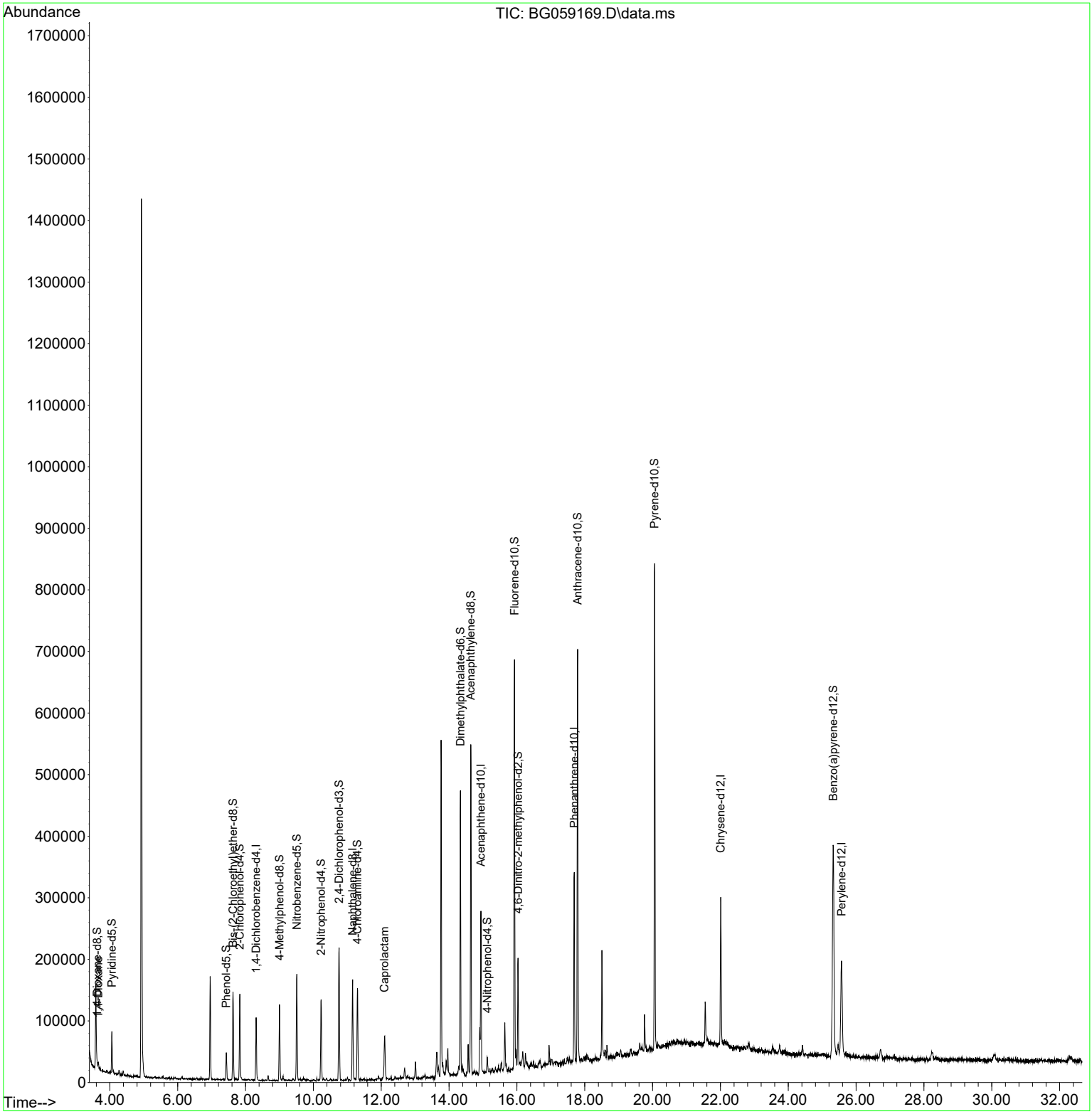

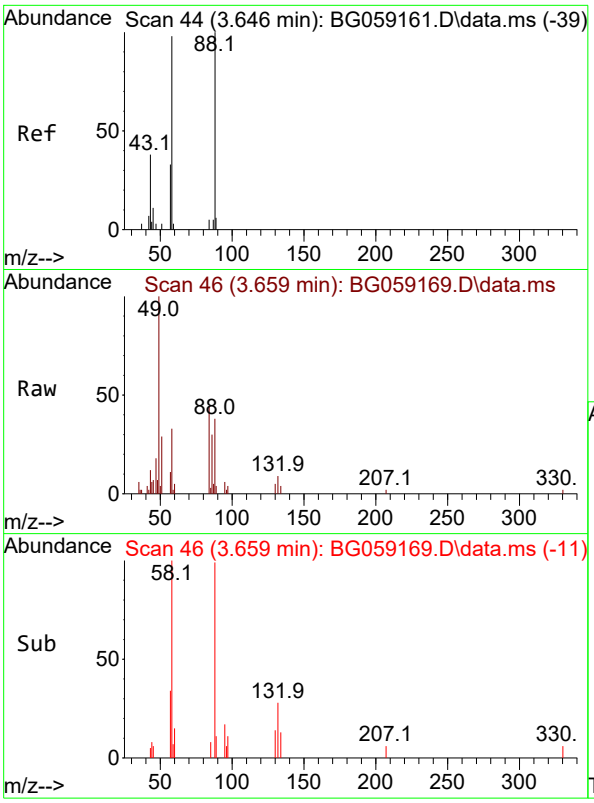


#2
1,4-Dioxane
Concen: 5.754 ng/uL
RT: 3.659 min Scan# 4
Delta R.T. 0.007 min
Lab File: BG059169.D
Acq: 22 Sep 2023 18:41

Tgt Ion: 88 Resp: 436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.9 | 24.5 | 36.7 |
| 58 | 85.4 | 60.6 | 91.0 |

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**Manual Integrations**
**APPROVED**

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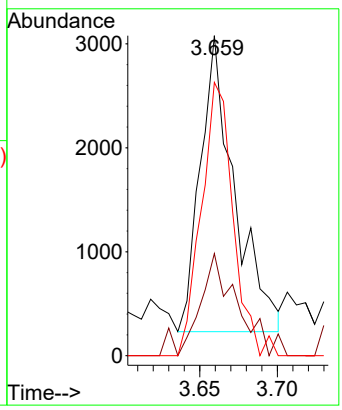


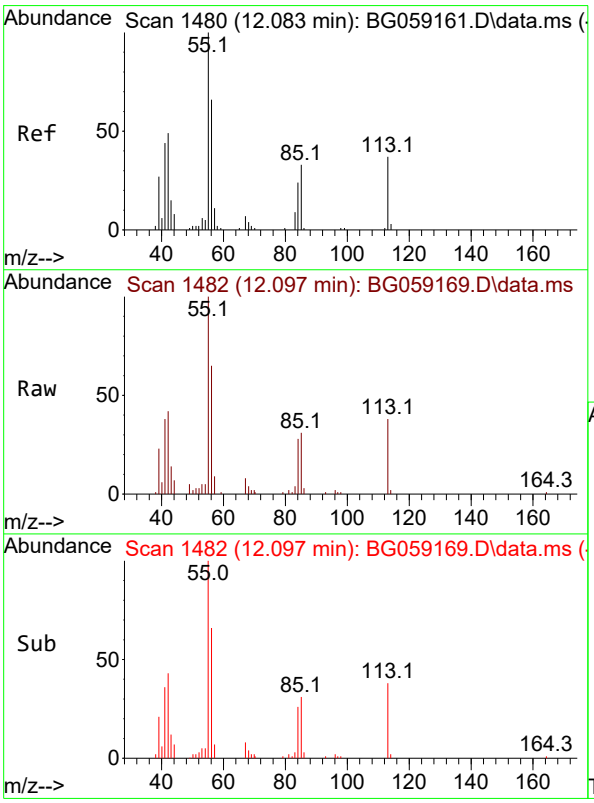


#34
Caprolactam
Concen: 17.727 ng/ul
RT: 12.097 min Scan# 1482
Delta R.T. 0.001 min
Lab File: BG059169.D
Acq: 22 Sep 2023 18:41

Tgt Ion:113 Resp: 13085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 263.8 | 157.6 | 236.4# |
| 56 | 171.2 | 112.3 | 168.5# |