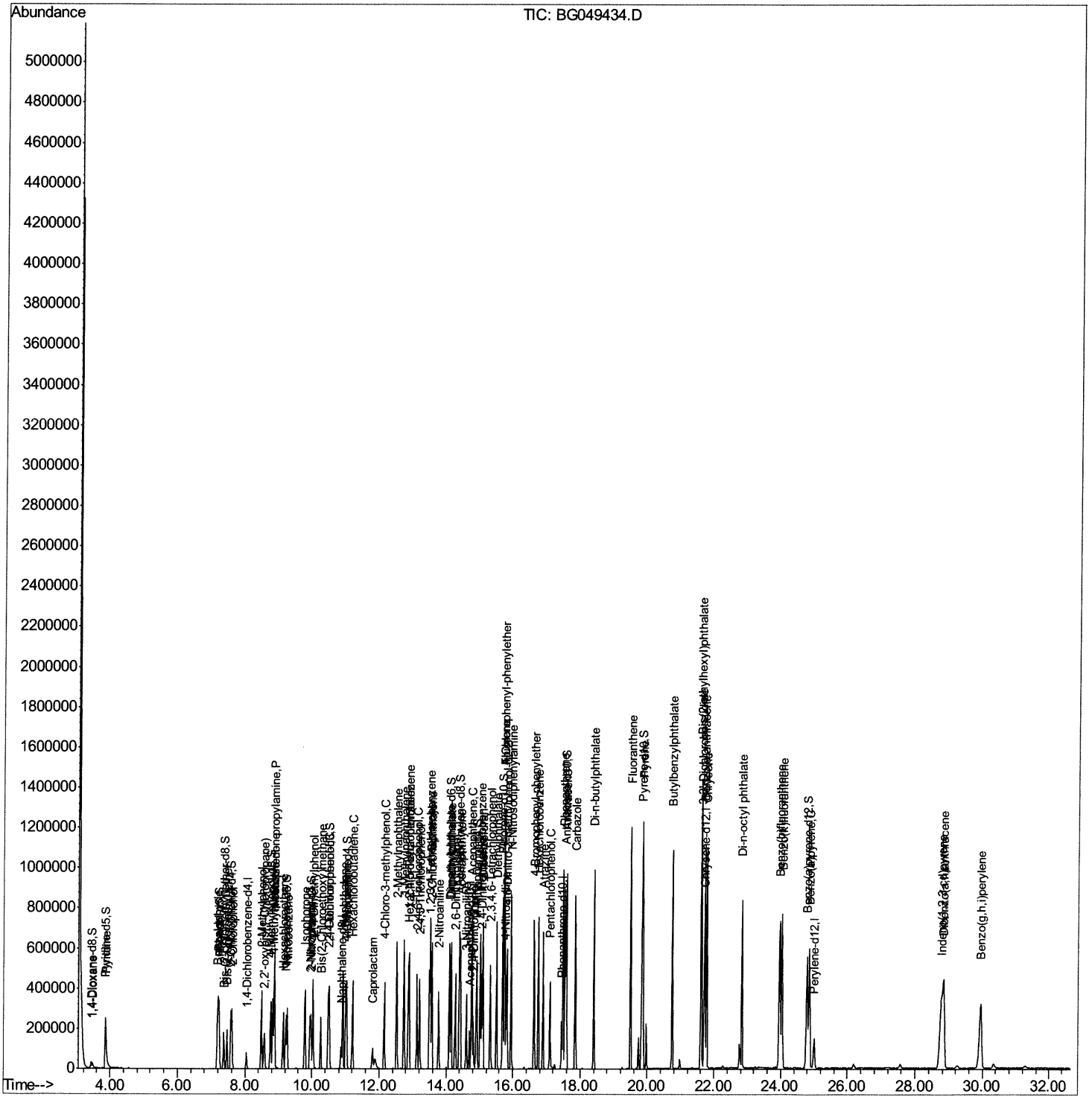
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072421\
Data File : BG049434.D
Acq On : 23 Jul 2021 20:33
Operator : CG/JU
Sample : SSTD08005
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 24 00:44:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 23 23:52:30 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD080412

**Manual Integrations APPROVED**
mohammad
7/26/2021 1:29:07 PM



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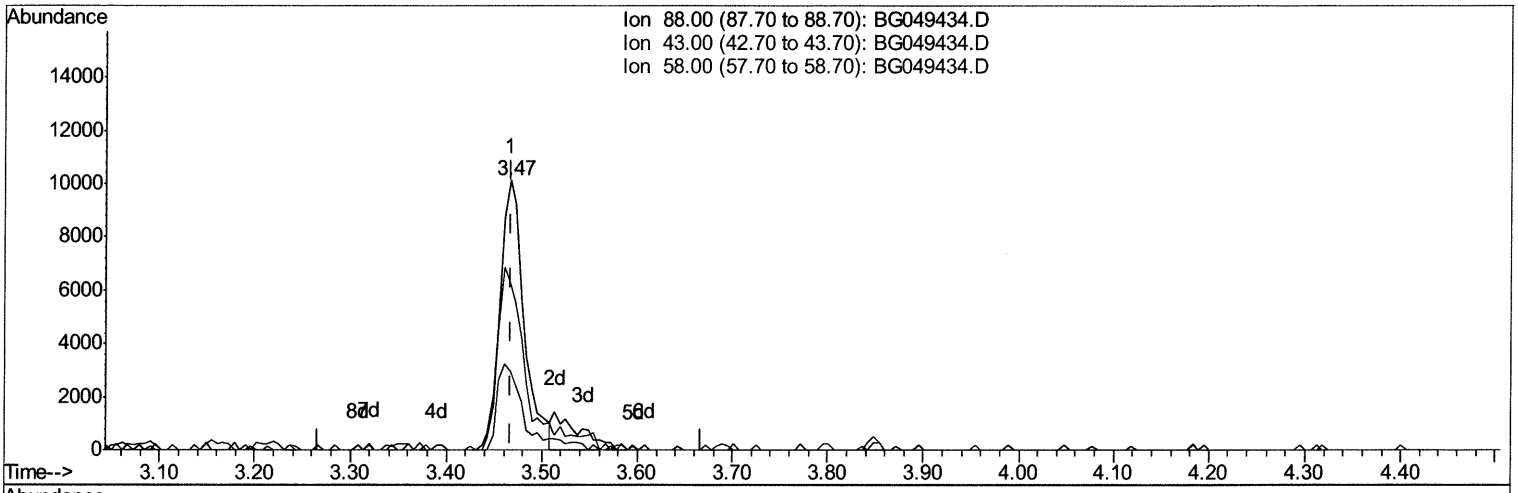
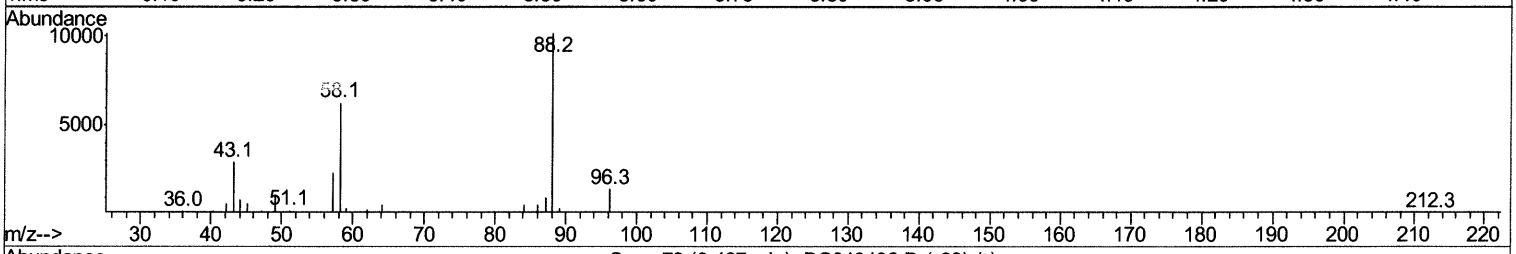
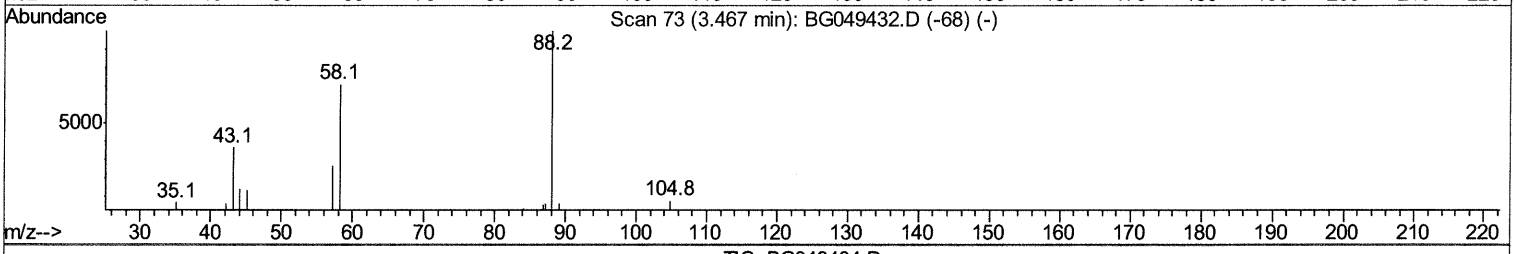
7/26/2021 1:29:07 PM




TIC: BG049434.D

(2) 1,4-Dioxane

3.466min (-0.001) 36.17ng/uL

response 17845

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 43.00 | 36.90 | 29.02# |
| 58.00 | 71.00 | 61.55 |
| 0.00 | 0.00 | 0.00 |

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BNA_G
**ClientSampleId :**
SSTD080412

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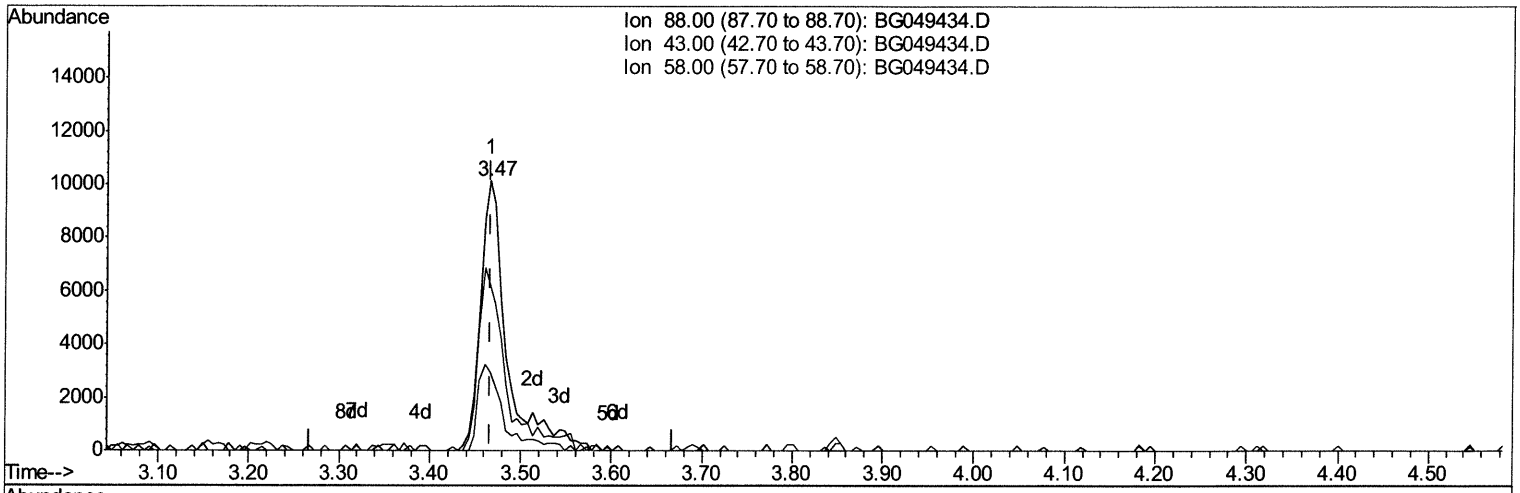


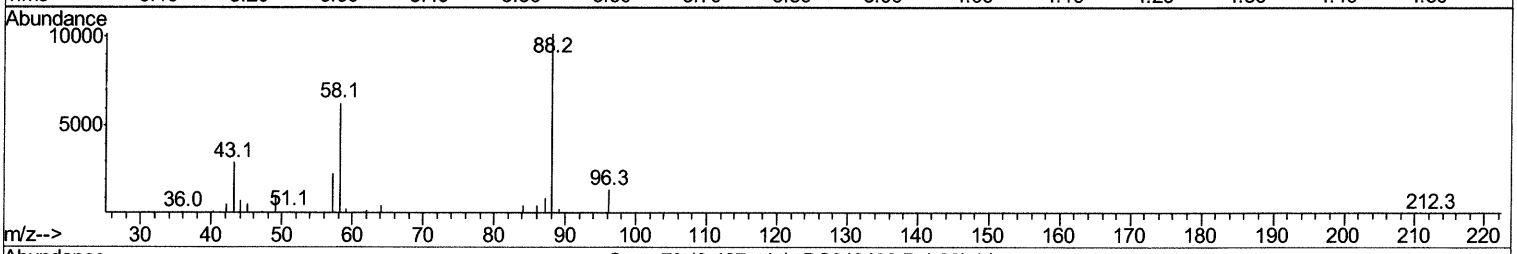


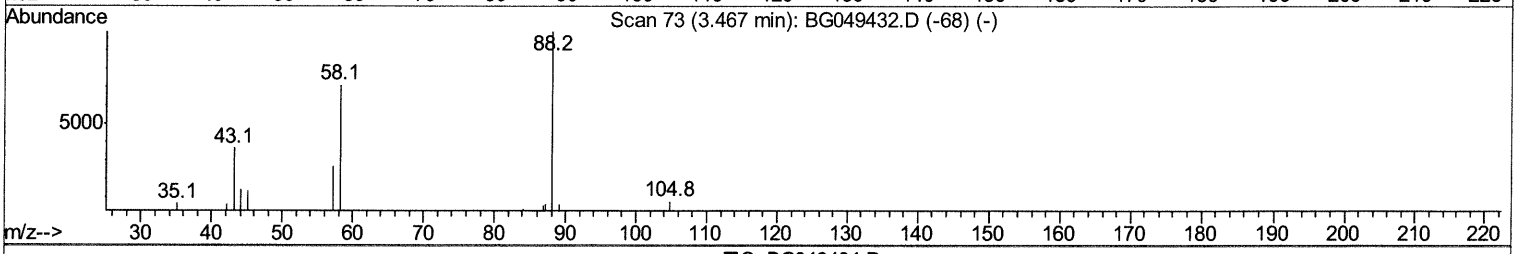


TIC: BG049434.D

(2) 1,4-Dioxane

3.466min (-0.001) 41.69ng/uL m 07/27/21 JU

response 20567

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 43.00 | 36.90 | 29.02# |
| 58.00 | 71.00 | 61.55 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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BNA_G
**ClientSampleId :**
SSTD080412

**Manual Integrations APPROVED**
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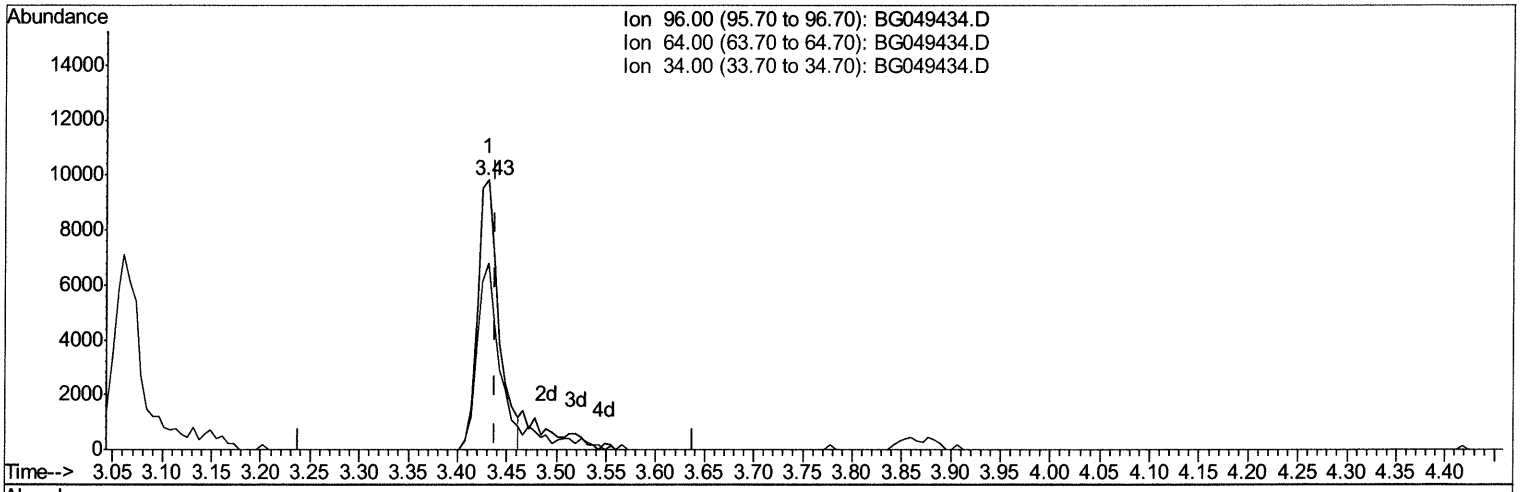


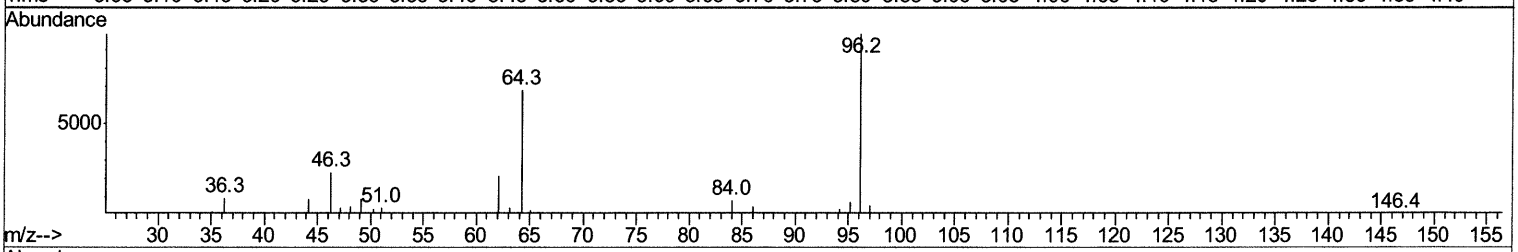


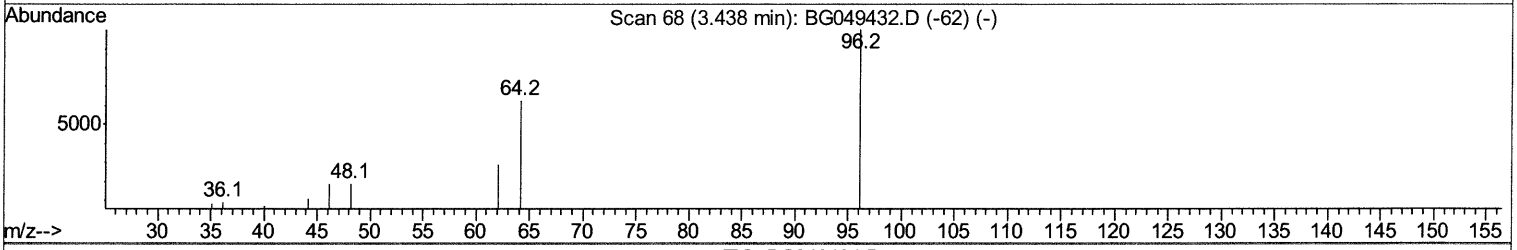


TIC: BG049434.D

(3) 1,4-Dioxane-d8 (S)

3.431min (-0.007) 30.16ng/uL

response 14826

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 62.60 | 69.11 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072421\
Data File : BG049434.D
Acq On : 23 Jul 2021 20:33
Operator : CG/JU
Sample : SSTD08005
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 23 23:58:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 23 23:52:30 2021
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD080412

**Manual Integrations APPROVED**
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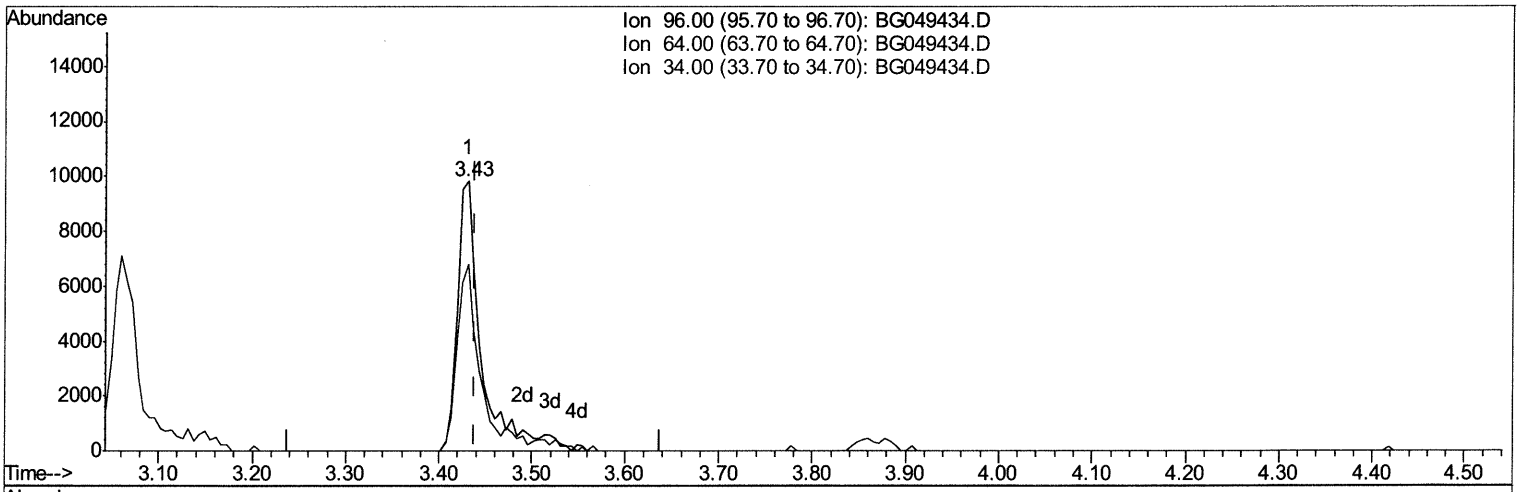


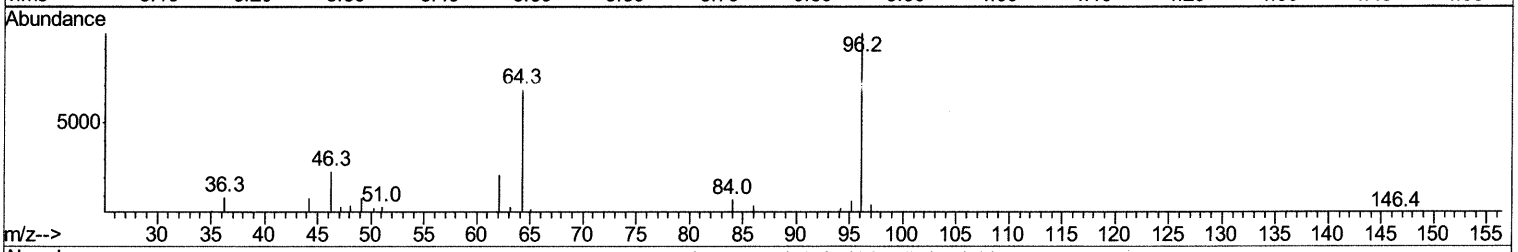


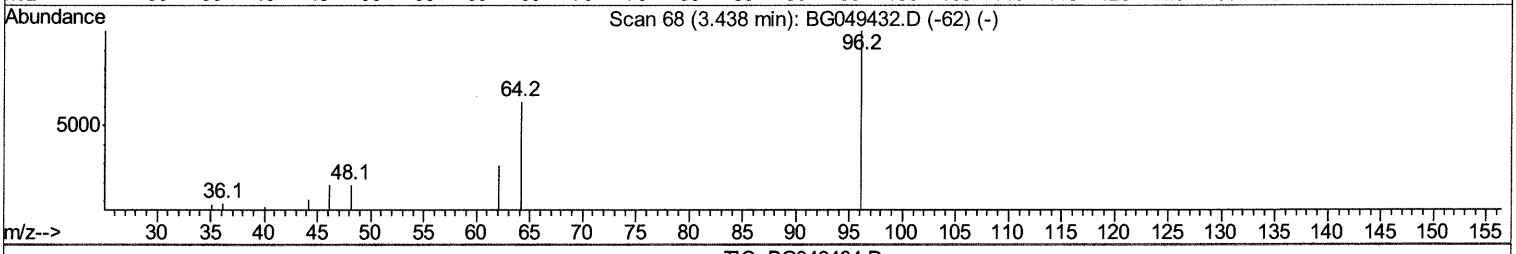


TIC: BG049434.D

(3) 1,4-Dioxane-d8 (S)

3.431min (-0.007) 35.95ng/uL m 07/27/21 JU

response 17671

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 64.00 | 62.60 | 69.11 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072421\
Data File : BG049434.D
Acq On : 23 Jul 2021 20:33
Operator : CG/JU
Sample : SSTD08005
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 23 23:58:08 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
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Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD080412

**Manual Integrations APPROVED**
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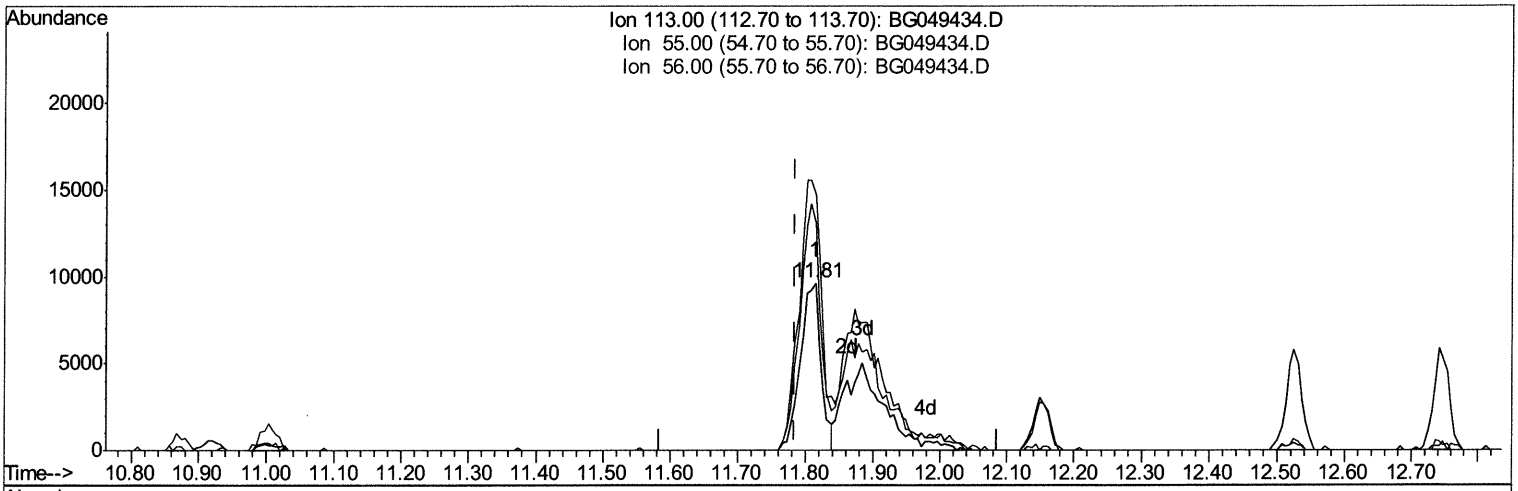


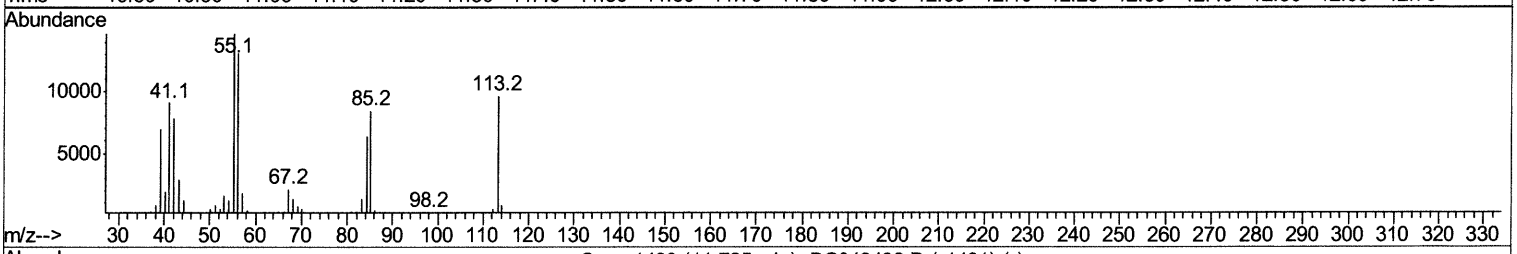


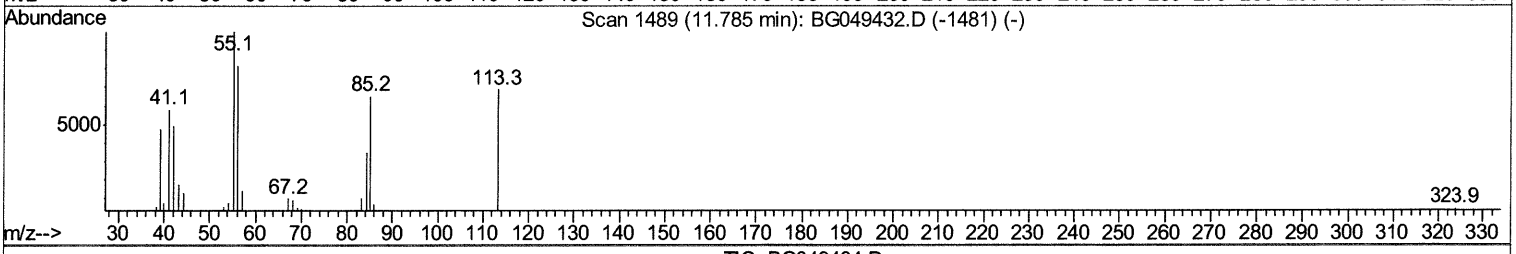


TIC: BG049434.D

(34) Caprolactam

11.814min (+0.028) 33.13ng/ul

response 20155

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 145.70 | 152.58 |
| 56.00 | 118.80 | 135.91 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : CG/JU
Sample : SSTD08005
Misc :
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**Instrument :**
BNA_G
**ClientSampleId :**
SSTD080412

**Manual Integrations APPROVED**
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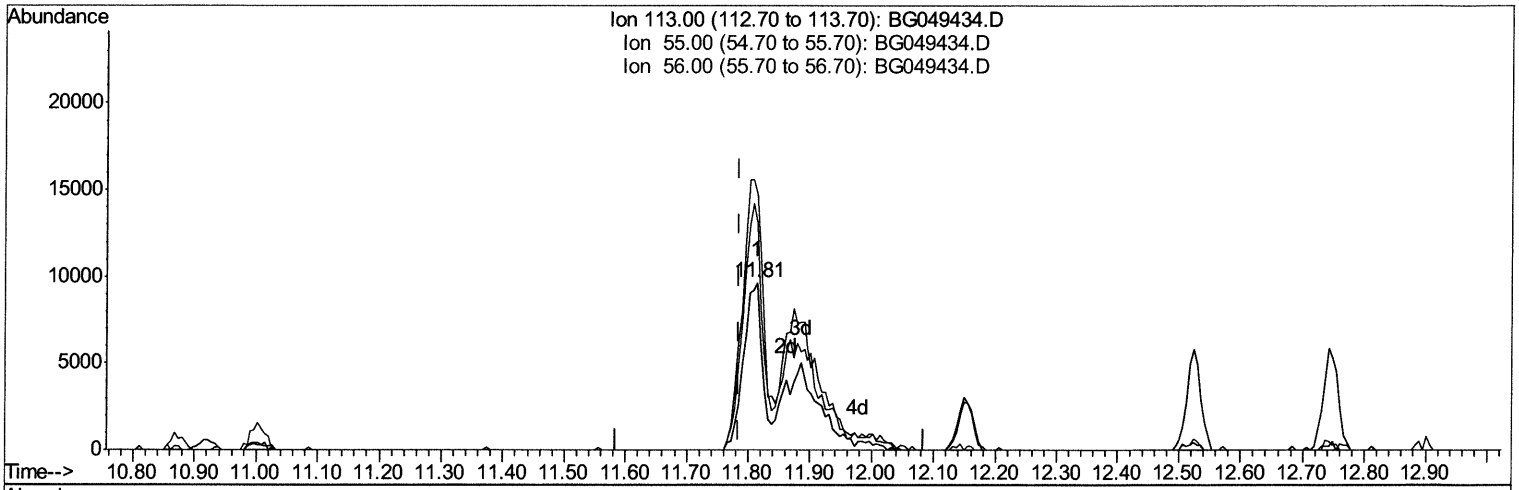
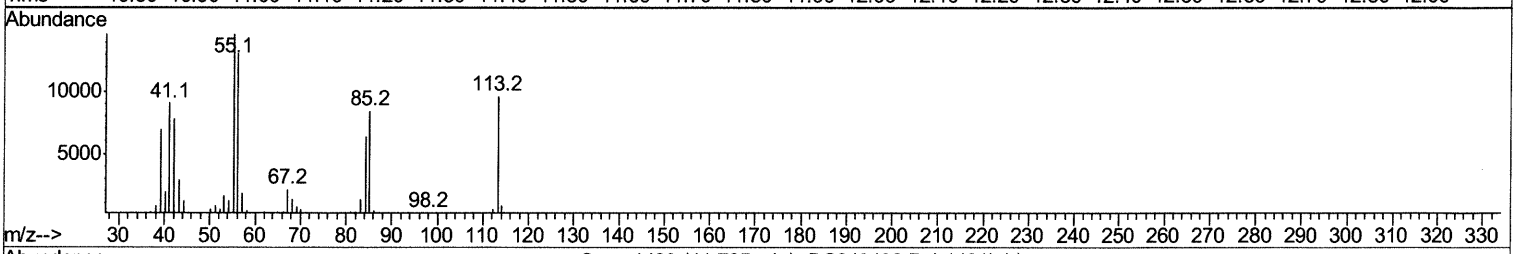
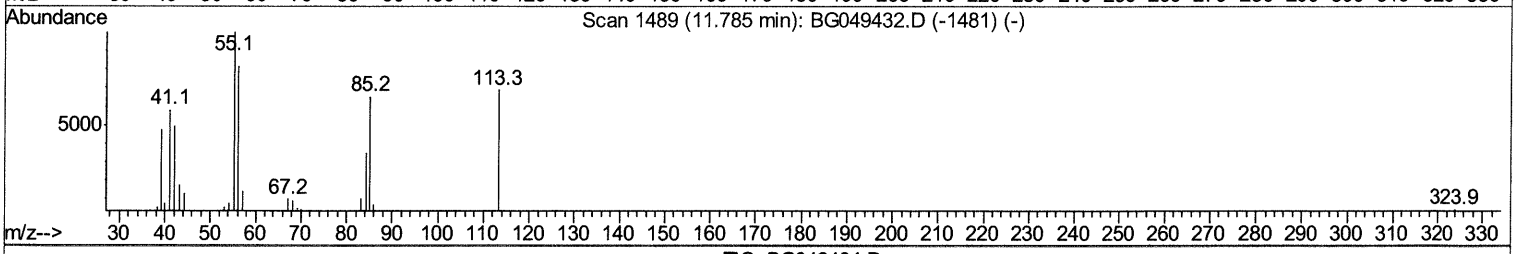
7/26/2021 1:29:07 PM




TIC: BG049434.D

(34) Caprolactam

11.814min (+0.028) 67.87ng/ul m 07/27/21JJ

response 41283

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 145.70 | 152.58 |
| 56.00 | 118.80 | 135.91 |
| 0.00 | 0.00 | 0.00 |

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**ClientSampleId :** SSTD080412

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 21300 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.87 | 136 | 91756 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.70 | 164 | 65667 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.45 | 188 | 147754 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.73 | 240 | 153883 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.00 | 264 | 153896 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.43 | 96 | 17671m > | 35.95 | ng/uL > | 0.00 07/27/21JU |
| 4) Pyridine-d5 | 3.85 | 84 | 120862 | 80.31 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.20 | 99 | 168536 | 91.07 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.37 | 67 | 94268 | 82.49 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.58 | 132 | 123427 | 95.98 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.77 | 113 | 123202 | 81.16 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 9.22 | 128 | 61354 | 96.57 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.95 | 143 | 70151 | 100.85 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.49 | 165 | 130418 | 76.30 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.00 | 131 | 171913 | 79.87 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.10 | 166 | 409210 | 75.75 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.39 | 160 | 468954 | 79.05 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.90 | 143 | 70701 | 87.88 | ng/ul | 0.02 |
| 60) Fluorene-d10 | 15.69 | 176 | 346614 | 72.69 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 200 | 78469 | 103.93 | ng/ul | 0.01 |
| 73) Anthracene-d10 | 17.55 | 188 | 538710 | 79.80 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.83 | 212 | 640242 | 81.36 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.79 | 264 | 679517 | 81.45 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 20567m > | 41.691 | ng/uL > | 07/27/21JU |
| 5) Pyridine | 3.87 | 79 | 125054 | 83.184 | ng/ul | 98 |
| 6) Benzaldehyde | 7.18 | 77 | 94794 | 81.122 | ng/ul | 96 |
| 8) Phenol | 7.23 | 94 | 163051 | 83.345 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.46 | 93 | 109925 | 77.051 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.61 | 128 | 117879 | 86.364 | ng/ul | 94 |
| 13) 2-Methylphenol | 8.49 | 108 | 125100 | 85.476 | ng/ul | 94 |
| 14) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 126420 | 75.002 | ng/ul | 97 |
| 16) Acetophenone | 8.88 | 105 | 203664 | 81.840 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propylamine | 8.86 | 70 | 107539 | 72.887 | ng/ul# | 93 |
| 18) 4-Methylphenol | 8.82 | 108 | 131100 | 85.327 | ng/ul | 98 |
| 19) Hexachloroethane | 9.14 | 117 | 52872 | 83.129 | ng/ul | 93 |
| 22) Nitrobenzene | 9.26 | 77 | 175143 | 83.623 | ng/ul | 97 |
| 23) Isophorone | 9.79 | 82 | 298082 | 68.854 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.98 | 139 | 67371 | 85.052 | ng/ul# | 86 |
| 26) 2,4-Dimethylphenol | 10.03 | 107 | 160478 | 76.994 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)methane | 10.27 | 93 | 145625 | 66.819 | ng/ul | 97 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 121333 | 75.992 | ng/ul# | 96 |
| 30) Naphthalene | 10.92 | 128 | 387808 | 79.976 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.03 | 127 | 163771 | 77.366 | ng/ul | 93 |
| 33) Hexachlorobutadiene | 11.20 | 225 | 94720 | 62.366 | ng/ul | 96 |
| 34) Caprolactam | 11.81 | 113 | 41283m > | 67.866 | ng/ul > | 07/27/21JU |

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Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** SSTD080412

**Manual Integrations APPROVED**
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7/26/2021 1:29:07 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 4-Chloro-3-methylphenol | 12.15 | 107 | 145886 | 77.907 | ng/ul | 93 |
| 36) 2-Methylnaphthalene | 12.52 | 142 | 288296 | 77.078 | ng/ul | 95 |
| 37) 1-Methylnaphthalene | 12.75 | 142 | 288337 | 77.833 | ng/ul | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 153902 | 61.567 | ng/ul | 94 |
| 40) Hexachlorocyclopentadiene | 12.87 | 237 | 101275 | 55.794 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 13.13 | 196 | 102759 | 66.801 | ng/ul# | 78 |
| 42) 2,4,5-Trichlorophenol | 13.21 | 196 | 109818 | 66.508 | ng/ul | 93 |
| 43) 1,1'-Biphenyl | 13.53 | 154 | 371942 | 76.546 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.58 | 162 | 287996 | 75.665 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.78 | 65 | 112861 | 95.989 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.15 | 163 | 388786 | 71.253 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.28 | 165 | 84094 | 89.987 | ng/ul | 95 |
| 50) Acenaphthylene | 14.42 | 152 | 441463 | 77.607 | ng/ul | 95 |
| 51) 3-Nitroaniline | 14.60 | 138 | 77601 | 86.371 | ng/ul | 89 |
| 52) Acenaphthene | 14.76 | 153 | 318084 | 75.398 | ng/ul | 95 |
| 53) 2,4-Dinitrophenol | 14.81 | 184 | 50565 | 81.333 | ng/ul# | 83 |
| 55) 4-Nitrophenol | 14.92 | 109 | 91558 | 85.930 | ng/ul | 99 |
| 56) Dibenzofuran | 15.10 | 168 | 432434 | 72.162 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 119361 | 88.793 | ng/ul# | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.33 | 232 | 99591 | 63.805 | ng/ul# | 96 |
| 59) Diethylphthalate | 15.51 | 149 | 409638 | 75.118 | ng/ul | 97 |
| 61) Fluorene | 15.75 | 166 | 365407 | 71.636 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenylether | 15.74 | 204 | 195597 | 63.214 | ng/ul | 91 |
| 63) 4-Nitroaniline | 15.77 | 138 | 77920 | 83.293 | ng/ul | 87 |
| 66) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 71106 | 89.691 | ng/ul# | 79 |
| 67) N-Nitrosodiphenylamine | 15.95 | 169 | 312038 | 76.245 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.63 | 248 | 135815 | 72.274 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.75 | 284 | 151919 | 76.923 | ng/ul | 97 |
| 70) Atrazine | 16.90 | 200 | 139657 | 75.827 | ng/ul | 96 |
| 71) Pentachlorophenol | 17.10 | 266 | 80447 | 64.207 | ng/ul# | 90 |
| 72) Phenanthrene | 17.49 | 178 | 610837 | 81.421 | ng/ul | 96 |
| 74) Anthracene | 17.59 | 178 | 602199 | 78.026 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachlorobenzene | 13.50 | 216 | 161475 | 69.707 | ng/uL | 98 |
| 76) Pentachlorobenzene | 15.02 | 250 | 173695 | 71.582 | ng/uL | 97 |
| 77) Carbazole | 17.85 | 167 | 541931 | 82.879 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.40 | 149 | 691313 | 84.472 | ng/ul | 99 |
| 80) Fluoranthene | 19.50 | 202 | 775334 | 79.398 | ng/ul | 99 |
| 82) Pyrene | 19.86 | 202 | 749748 | 76.885 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.74 | 149 | 315210 | 90.384 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.62 | 252 | 273166 | 72.472 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 21.71 | 228 | 746567 | 73.428 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 468461 | 92.146 | ng/ul | 97 |
| 87) Chrysene | 21.78 | 228 | 716369 | 73.683 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.83 | 149 | 747864 | 89.277 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.97 | 252 | 802324 | 78.823 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 24.04 | 252 | 769455 | 76.923 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.86 | 252 | 681258 | 76.186 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 28.76 | 276 | 890847 | 77.447 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.84 | 278 | 715611 | 76.521 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.95 | 276 | 728488 | 78.135 | ng/ul# | 93 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072421\
Data File : BG049434.D
Acq On : 23 Jul 2021 20:33
Operator : CG/JU
Sample : SSTD08005
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 24 00:44:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG072421.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 23 23:52:30 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD080412

**Manual Integrations APPROVED**
mohammad
7/26/2021 1:29:07 PM