Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071515\
Data File : BG017897.D
Acq On : 15 Jul 2015 23:02
Operator : TP/UM
Sample : SSTDCCC020
Misc : MDL-WATER-SVOC-8PPM
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 16 02:13:06 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG071415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 01:50:07 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02011

**Manual Integrations APPROVED**
apatel
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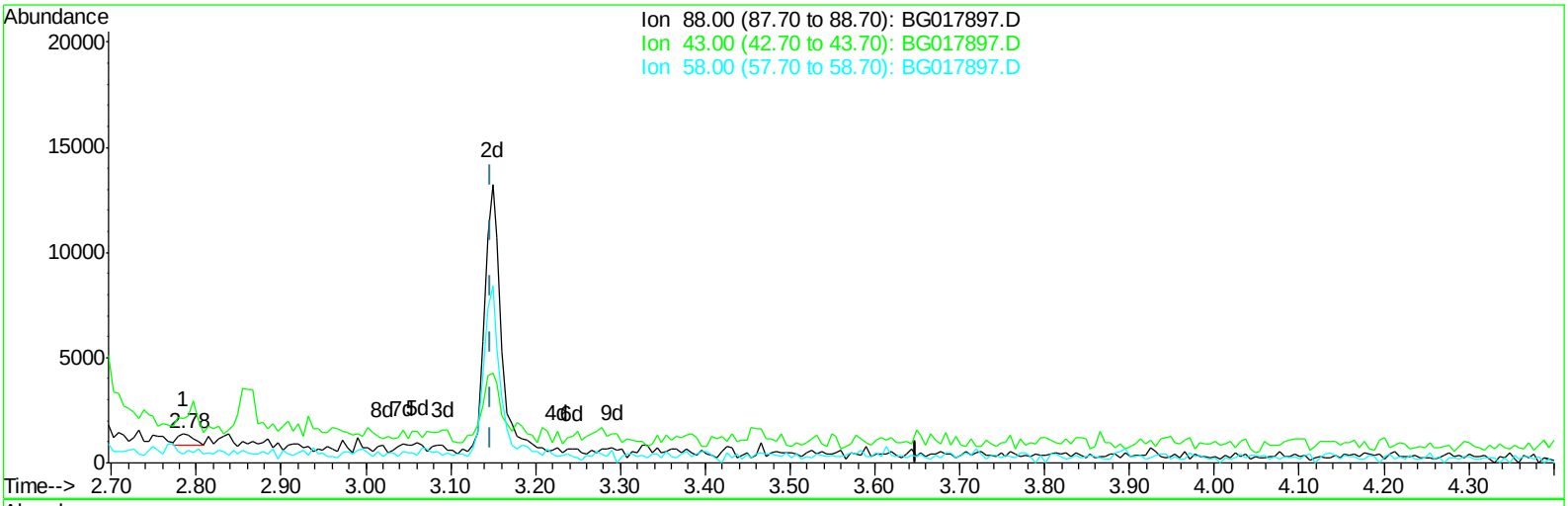


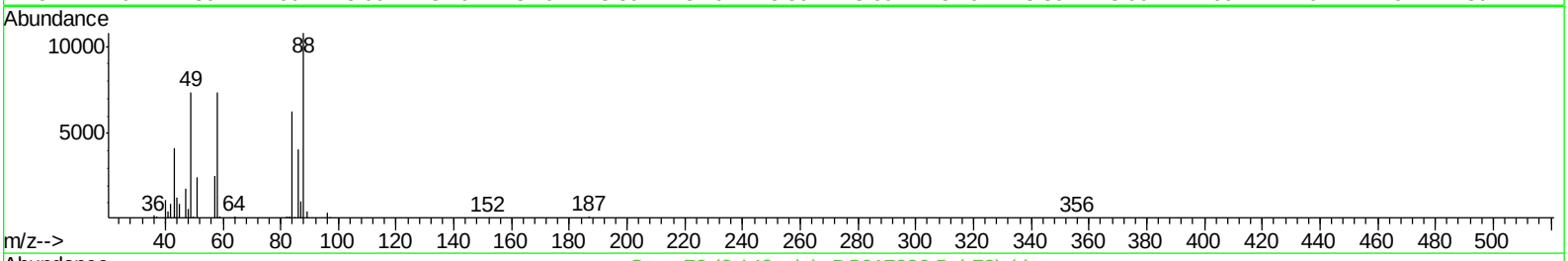


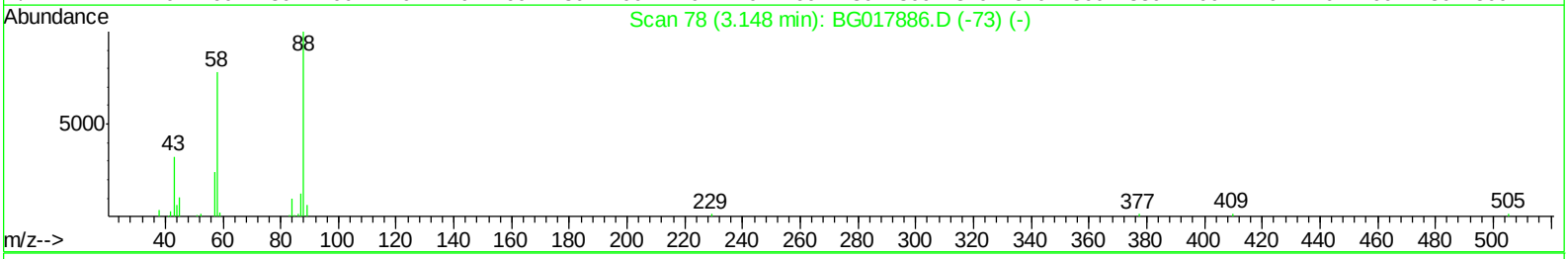


TIC: BG017897.D

(2) 1,4-Dioxane

2.785min (-0.363) 0.26ng/uL

response 691

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 43.00 | 33.00 | 38.49 |
| 58.00 | 76.90 | 75.11 |
| 0.00 | 0.00 | 0.00 |

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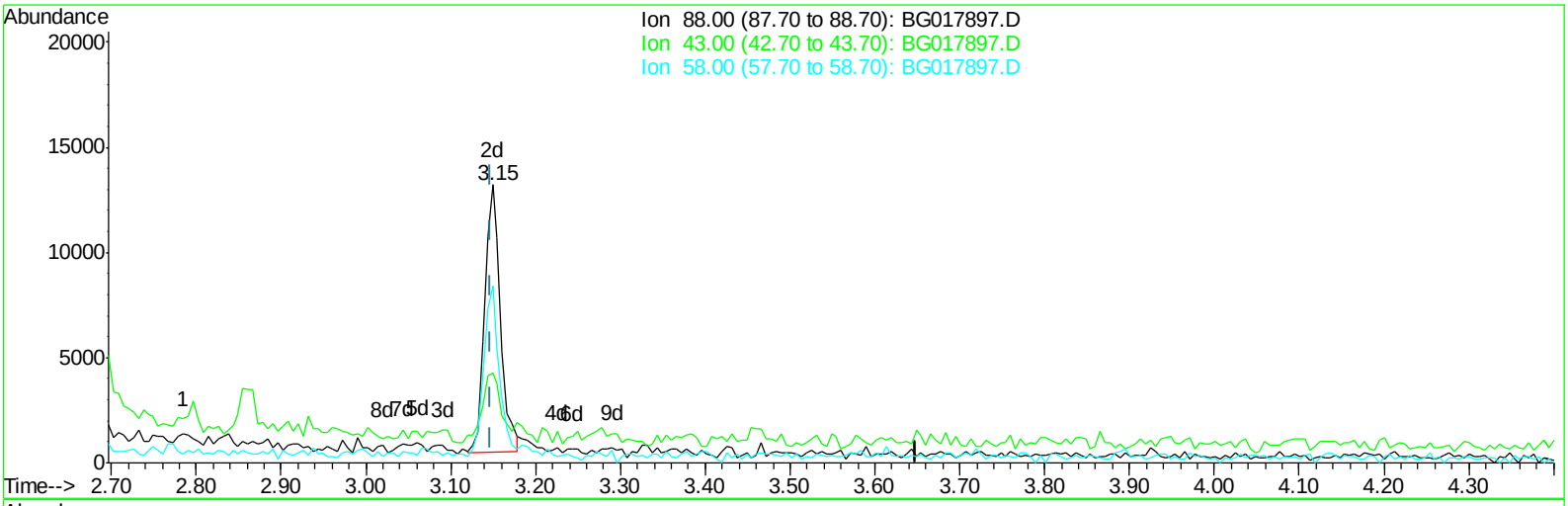
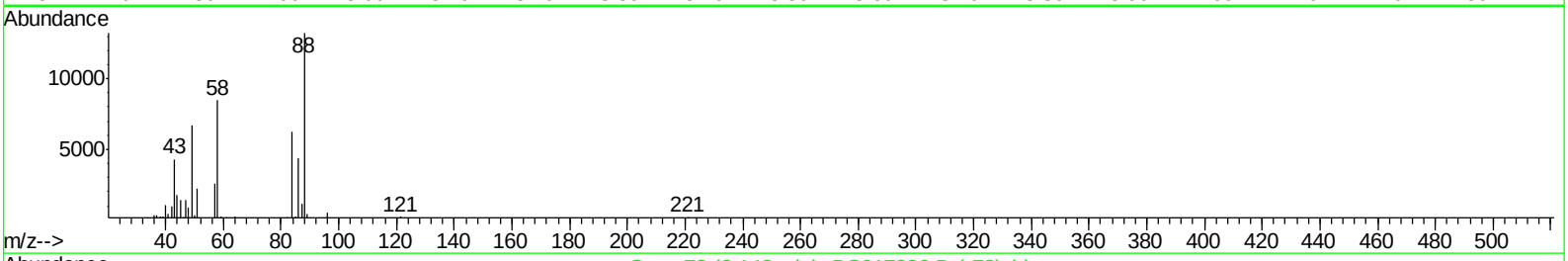
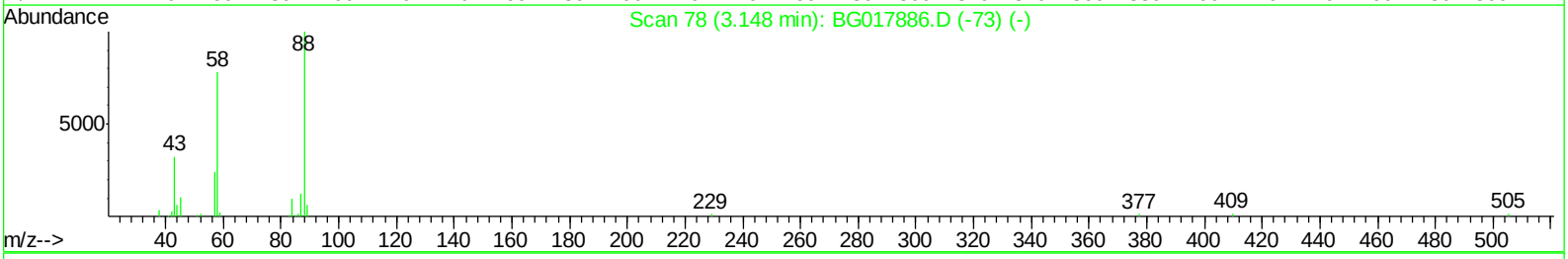
apatel
7/16/2015 4:37:36 PM




TIC: BG017897.D

(2) 1,4-Dioxane

3.149min (+0.001) 6.38ng/uL m

response 16982

| Ion | Exp% | Act% |
|---|---|---|
| 88.00 | 100 | 100 |
| 43.00 | 33.00 | 1.57# |
| 58.00 | 76.90 | 3.06# |
| 0.00 | 0.00 | 0.00 |

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**LabSampleId :**
SSTD02011

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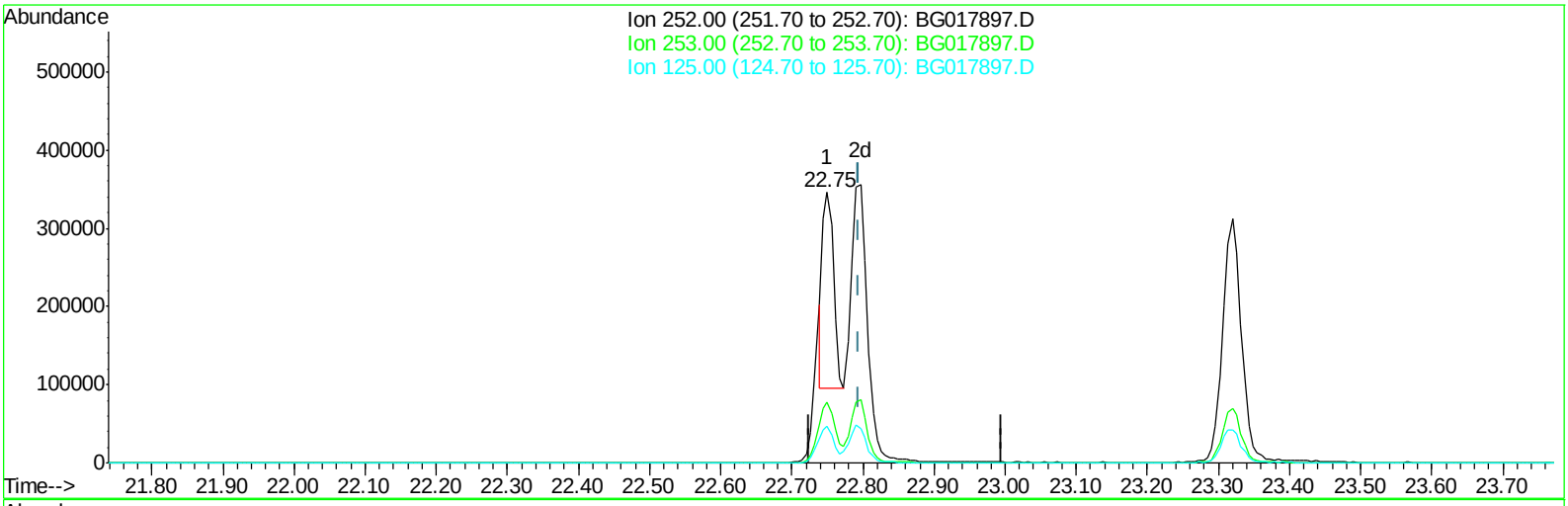


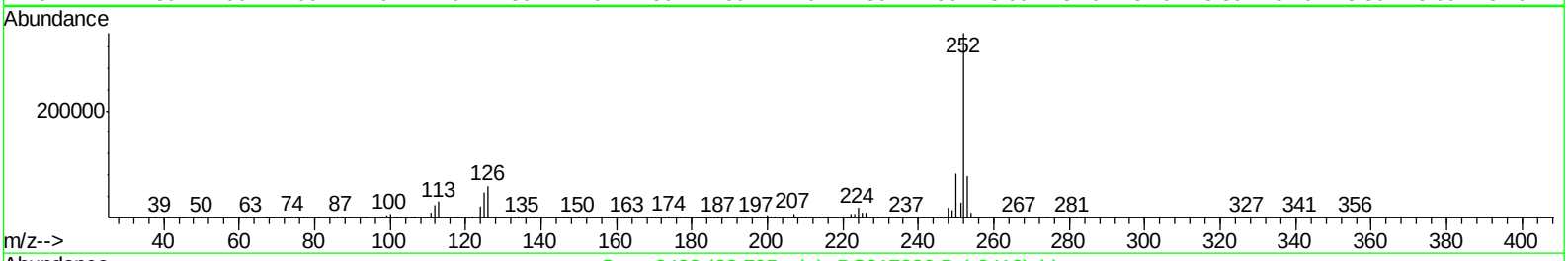


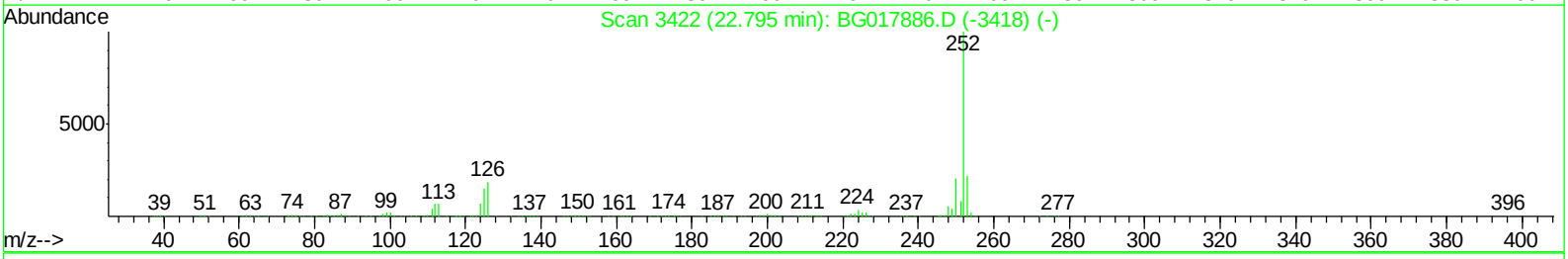


TIC: BG017897.D

(88) Benzo(k)fluoranthene

22.750min (-0.046) 9.10ng/ul

response 274061

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.70 | 22.44 |
| 125.00 | 16.40 | 13.48 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Misc : MDL-WATER-SVOC-8PPM
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 01:50:07 2015
Response via : Initial Calibration

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02011

**Manual Integrations APPROVED**
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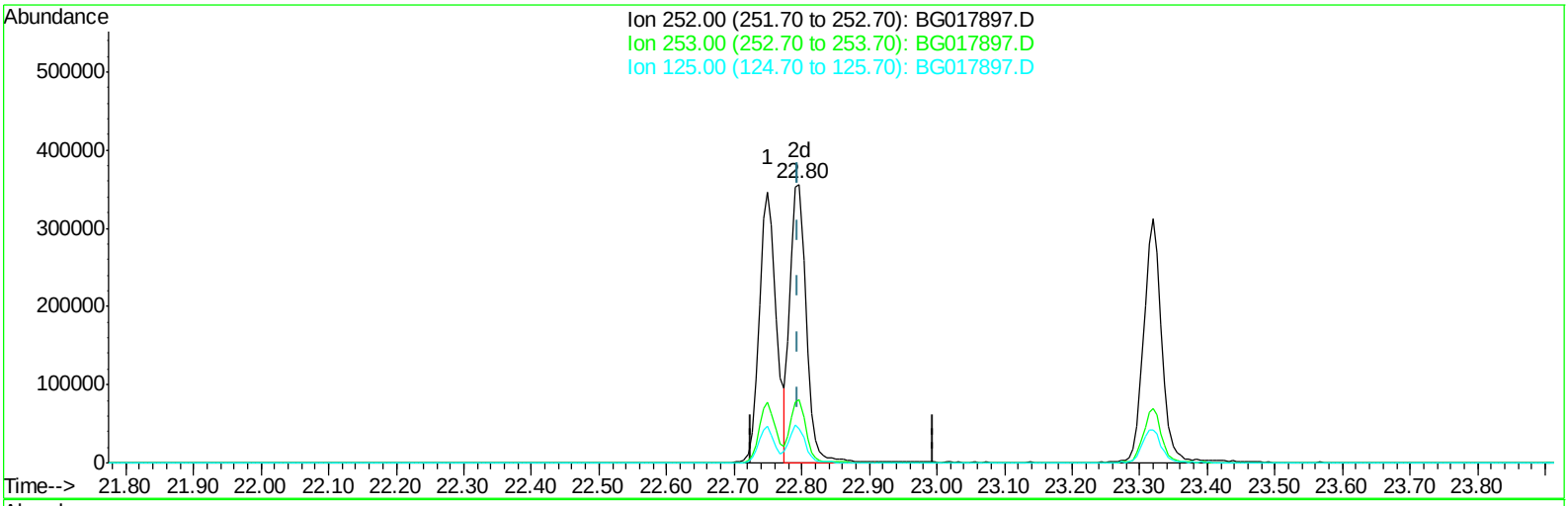


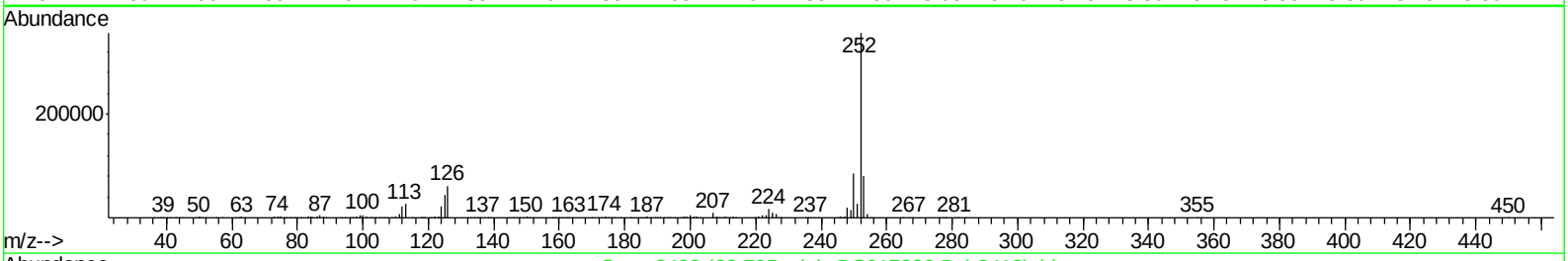


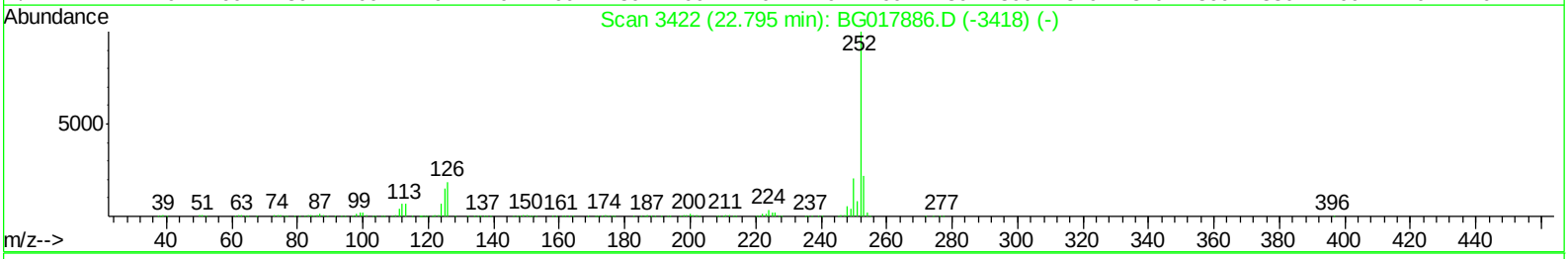


TIC: BG017897.D

(88) Benzo(k)fluoranthene

22.797min (+0.001) 19.79ng/ul m

response 596048

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.70 | 22.88 |
| 125.00 | 16.40 | 12.19# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071515\
Data File : BG017897.D
Acq On : 15 Jul 2015 23:02
Operator : TP/UM
Sample : SSTDCCC020
Misc : MDL-WATER-SVOC-8PPM
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02011

**Manual Integrations APPROVED**
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7/16/2015 4:37:36 PM

Quant Time: Jul 16 03:38:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG071415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 01:50:07 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 89060 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.36 | 136 | 417777 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.24 | 164 | 257934 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.00 | 188 | 553078 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.20 | 240 | 570291 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.42 | 264 | 529743 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.11 | 96 | 17178 | 6.90 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.76 | 99 | 140103 | 18.23 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 79510 | 15.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.12 | 132 | 118630 | 19.88 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.30 | 113 | 114822 | 19.50 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.74 | 128 | 60259 | 18.49 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.45 | 143 | 52742 | 21.55 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.99 | 165 | 109430 | 21.79 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.51 | 131 | 156776 | 21.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.66 | 166 | 357214 | 19.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.93 | 160 | 452702 | 19.37 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.45 | 143 | 65243 | 19.22 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.24 | 176 | 328331 | 19.63 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 44503 | 17.20 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.09 | 188 | 487909 | 19.47 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.40 | 212 | 538041 | 20.03 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.27 | 264 | 507230 | 19.53 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.15 | 88 | 16982m | 6.38 | ng/uL | |
| 4) Benzaldehyde | 6.73 | 77 | 62188 | 13.82 | ng/ul | 92 |
| 6) Phenol | 6.79 | 94 | 150571 | 17.88 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 7.02 | 93 | 118869 | 17.30 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.15 | 128 | 120998 | 20.08 | ng/ul | 90 |
| 11) 2-Methylphenol | 8.03 | 108 | 116412 | 19.02 | ng/ul | 91 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13 | 45 | 146755 | 14.70 | ng/ul | 98 |
| 14) Acetophenone | 8.40 | 105 | 179154 | 18.28 | ng/ul | 89 |
| 15) N-Nitroso-di-n-propylamine | 8.39 | 70 | 99362 | 16.45 | ng/ul | 89 |
| 16) 4-Methylphenol | 8.35 | 108 | 129873 | 19.47 | ng/ul | 99 |
| 17) Hexachloroethane | 8.65 | 117 | 48891 | 17.00 | ng/ul# | 87 |
| 20) Nitrobenzene | 8.78 | 77 | 135728 | 15.78 | ng/ul# | 87 |
| 21) Isophorone | 9.30 | 82 | 270898 | 16.83 | ng/ul | 95 |
| 23) 2-Nitrophenol | 9.49 | 139 | 64182 | 22.08 | ng/ul# | 86 |
| 24) 2,4-Dimethylphenol | 9.55 | 107 | 137428 | 18.49 | ng/ul | 90 |
| 25) Bis(2-Chloroethoxy)methane | 9.79 | 93 | 155240 | 17.16 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.02 | 162 | 112162 | 22.15 | ng/ul | 95 |
| 28) Naphthalene | 10.42 | 128 | 403532 | 18.67 | ng/ul | 97 |
| 30) 4-Chloroaniline | 10.53 | 127 | 157937 | 21.03 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.70 | 225 | 64575 | 20.24 | ng/ul# | 90 |
| 32) Caprolactam | 11.27 | 113 | 77359 | 20.85 | ng/ul# | 75 |
| 33) 4-Chloro-3-methylphenol | 11.67 | 107 | 124259 | 19.99 | ng/ul# | 91 |
| 34) 2-Methylnaphthalene | 12.04 | 142 | 287592 | 19.62 | ng/ul | 99 |

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ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTD02011

**Manual Integrations APPROVED**
apatel
7/16/2015 4:37:36 PM

Quant Time: Jul 16 03:38:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG071415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 16 01:50:07 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.41 | 216 | 124851 | 18.39 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.40 | 237 | 63653 | 18.05 ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.67 | 196 | 76972 | 20.91 ng/ul | 89 |
| 39) 2,4,5-Trichlorophenol | 12.73 | 196 | 88407 | 22.02 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.07 | 154 | 370282 | 18.55 ng/ul# | 96 |
| 41) 2-Chloronaphthalene | 13.11 | 162 | 288744 | 18.84 ng/ul | 95 |
| 42) 2-Nitroaniline | 13.32 | 65 | 76595 | 17.04 ng/ul# | 81 |
| 44) Dimethylphthalate | 13.71 | 163 | 375474 | 19.88 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.82 | 165 | 70820 | 20.58 ng/ul | 90 |
| 47) Acenaphthylene | 13.96 | 152 | 482916 | 18.69 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.15 | 138 | 74731 | 19.05 ng/ul | 96 |
| 49) Acenaphthene | 14.31 | 153 | 319715 | 18.39 ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 24112 | 16.62 ng/ul# | 82 |
| 52) 4-Nitrophenol | 14.47 | 109 | 50970 | 17.72 ng/ul | 85 |
| 53) Dibenzofuran | 14.65 | 168 | 439799 | 19.21 ng/ul | 95 |
| 54) 2,4-Dinitrotoluene | 14.62 | 165 | 99998 | 20.26 ng/ul# | 78 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.88 | 232 | 70112 | 22.62 ng/ul# | 87 |
| 56) Diethylphthalate | 15.08 | 149 | 391715 | 20.15 ng/ul | 98 |
| 58) Fluorene | 15.30 | 166 | 381919 | 19.21 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.30 | 204 | 179950 | 19.49 ng/ul | 94 |
| 60) 4-Nitroaniline | 15.32 | 138 | 80427 | 17.21 ng/ul | 96 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198 | 50871 | 17.63 ng/ul# | 84 |
| 64) N-Nitrosodiphenylamine | 15.52 | 169 | 317139 | 18.83 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.19 | 248 | 106669 | 20.10 ng/ul | 89 |
| 66) Hexachlorobenzene | 16.30 | 284 | 112035 | 19.45 ng/ul | 95 |
| 67) Atrazine | 16.47 | 200 | 119982 | 20.77 ng/ul | 92 |
| 68) Pentachlorophenol | 16.65 | 266 | 51449 | 18.02 ng/ul | 95 |
| 69) Phenanthrene | 17.04 | 178 | 585008 | 19.16 ng/ul | 99 |
| 71) Anthracene | 17.13 | 178 | 595582 | 19.05 ng/ul | 98 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.03 | 216 | 129285 | 18.37 ng/uL | 92 |
| 73) Pentachlorobenzene | 14.57 | 250 | 132473 | 19.62 ng/uL | 96 |
| 74) Carbazole | 17.40 | 167 | 552628 | 20.26 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.98 | 149 | 707004 | 20.66 ng/ul# | 97 |
| 76) Fluoranthene | 19.07 | 202 | 658537 | 21.23 ng/ul | 97 |
| 79) Pyrene | 19.43 | 202 | 690227 | 19.66 ng/ul | 98 |
| 80) Butylbenzylphthalate | 20.35 | 149 | 290791 | 20.49 ng/ul | 90 |
| 81) 3,3'-Dichlorobenzidine | 21.12 | 252 | 177115 | 20.73 ng/ul | 97 |
| 82) Benzo(a)anthracene | 21.18 | 228 | 626229 | 19.89 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 402574 | 20.47 ng/ul | 93 |
| 84) Chrysene | 21.23 | 228 | 595350 | 19.70 ng/ul | 98 |
| 86) Di-n-octyl phthalate | 22.00 | 149 | 628549 | 20.25 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.75 | 252 | 602907 | 20.63 ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 22.80 | 252 | 596048m | 19.79 ng/ul | |
| 90) Benzo(a)pyrene | 23.32 | 252 | 576407 | 19.63 ng/ul | 97 |
| 91) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 621166 | 19.77 ng/ul | 94 |
| 92) Dibenzo(a,h)anthracene | 25.68 | 278 | 532140 | 19.91 ng/ul | 97 |
| 93) Benzo(g,h,i)perylene | 26.35 | 276 | 522094 | 19.86 ng/ul | 99 |

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

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7/16/2015 4:37:36 PM