Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 02:19:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
mohammad
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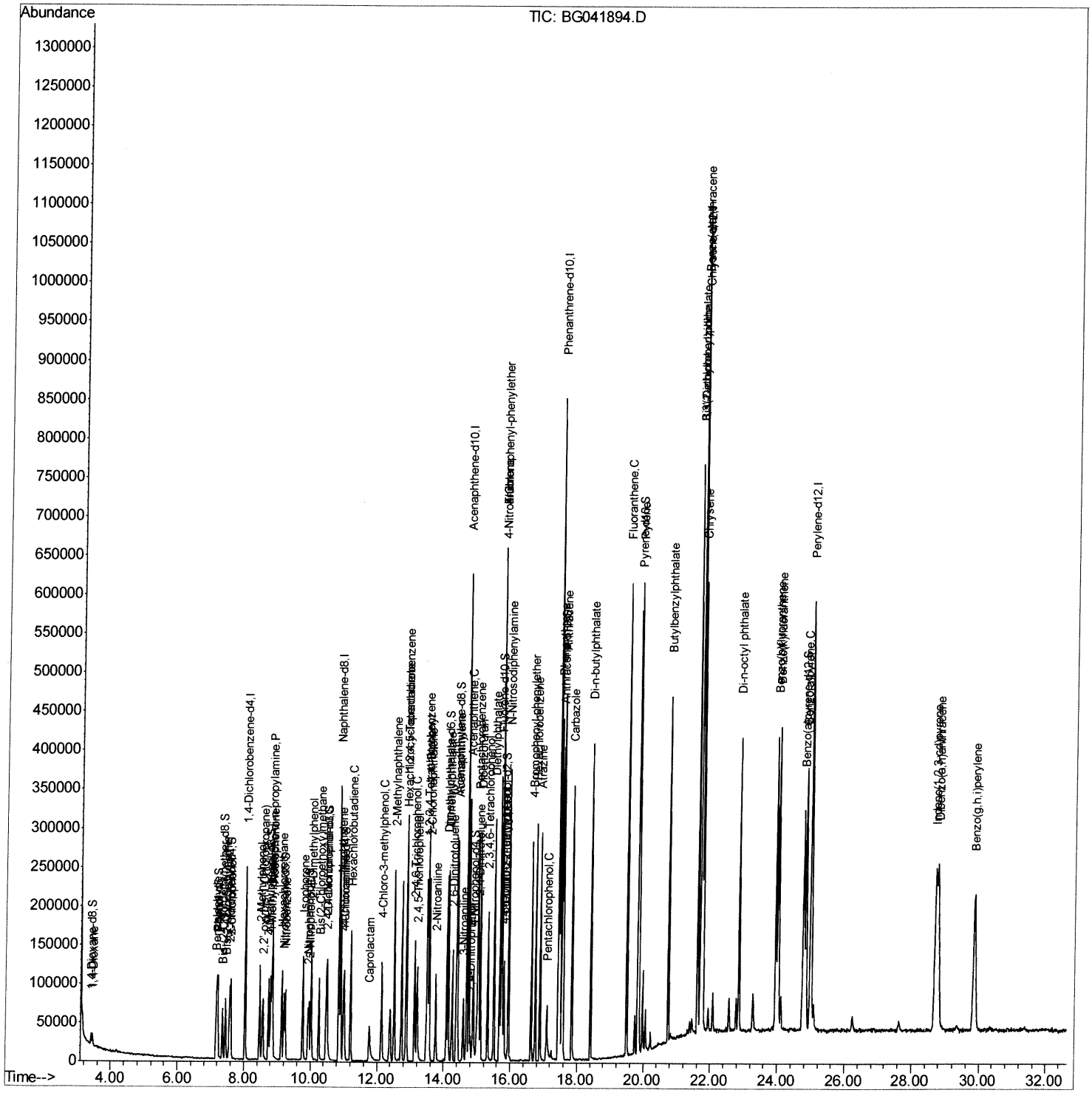

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 01:52:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
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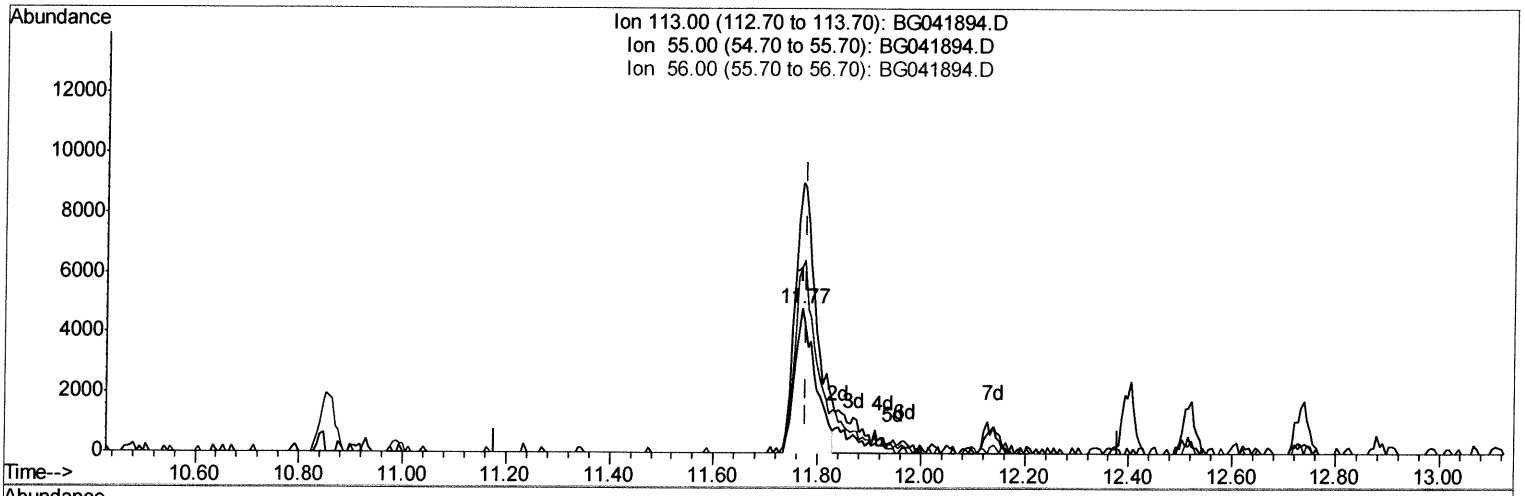


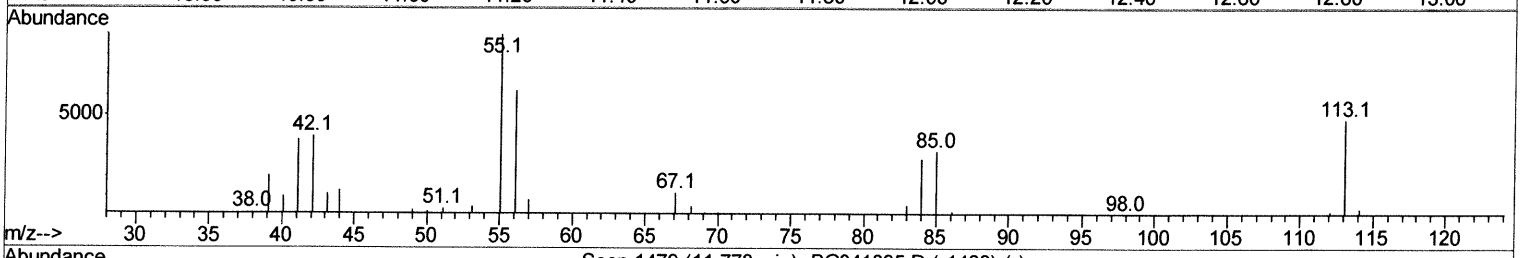


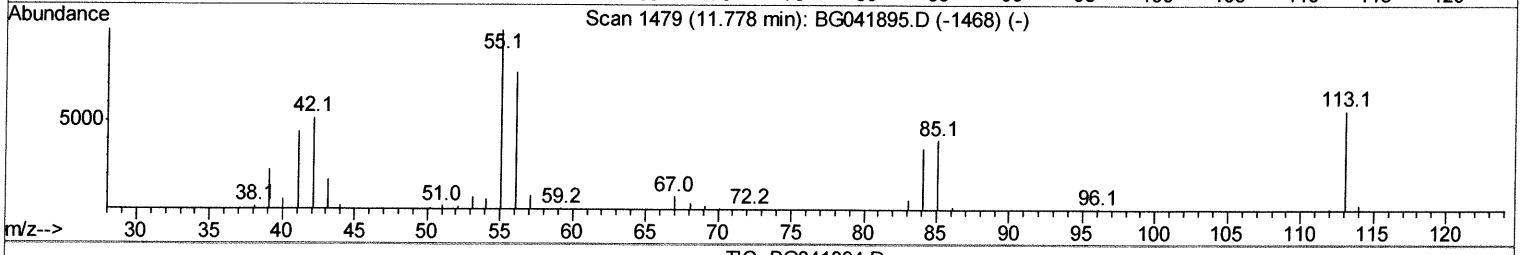


TIC: BG041894.D

(32) Caprolactam

11.768min (-0.010) 8.50ng/ul

response 13475

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 178.00 | 186.98 |
| 56.00 | 136.80 | 129.37 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 01:52:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
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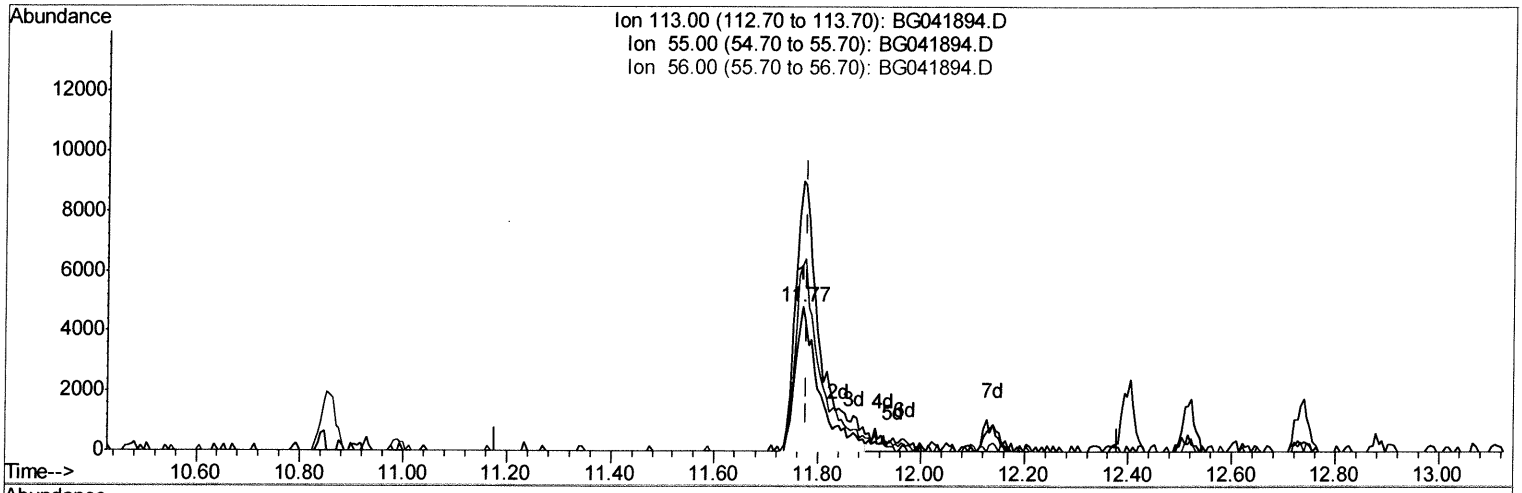


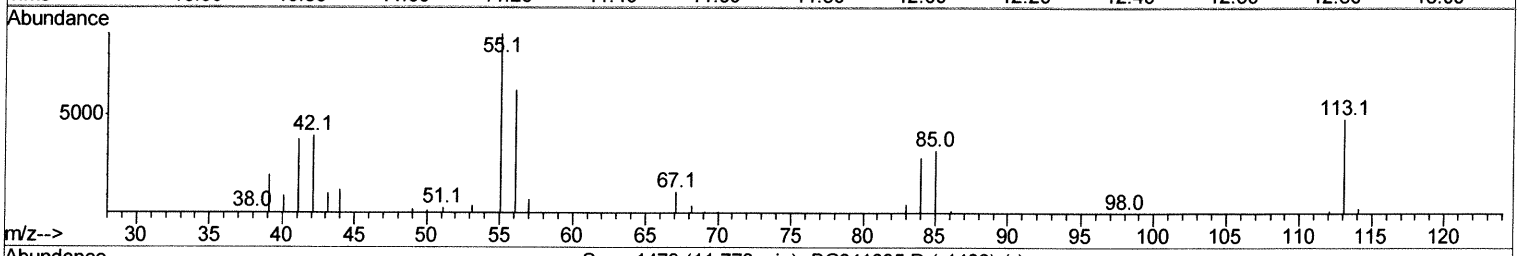


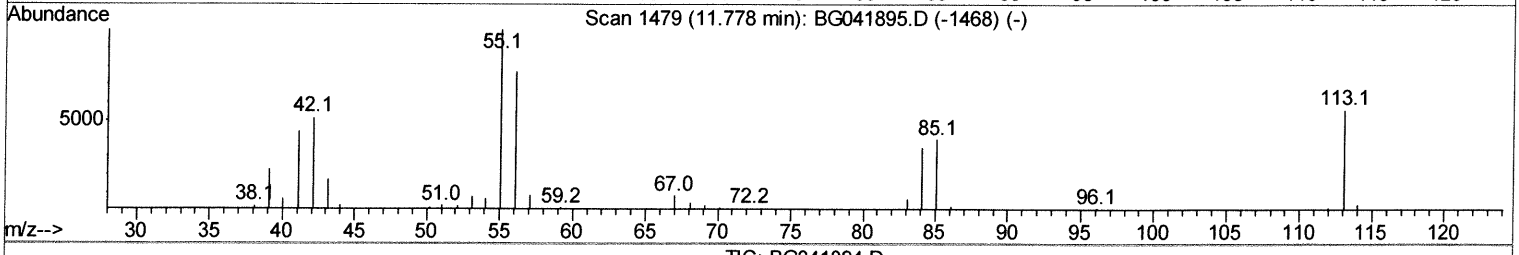


TIC: BG041894.D

(32) Caprolactam

JU 08/05/19

11.768min (-0.010) 9.88ng/ul m

response 15672

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 178.00 | 186.98 |
| 56.00 | 136.80 | 129.37 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 01:52:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
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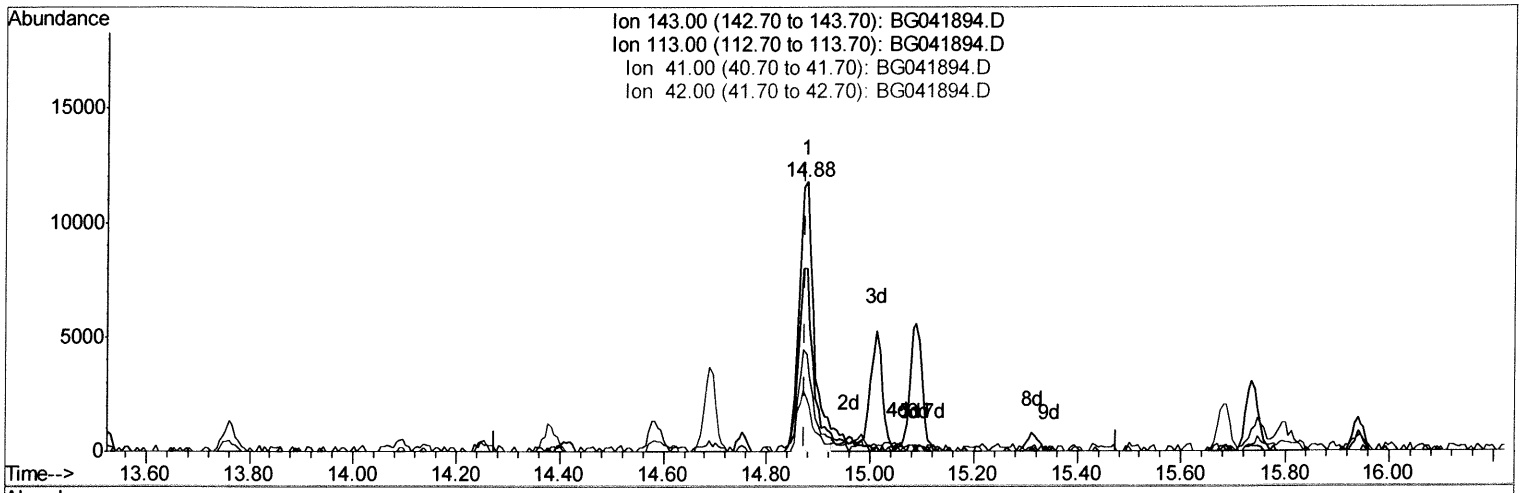


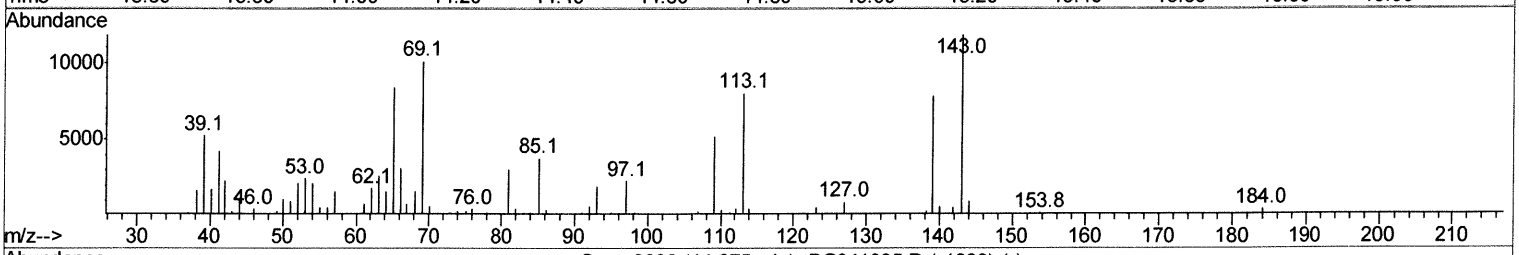


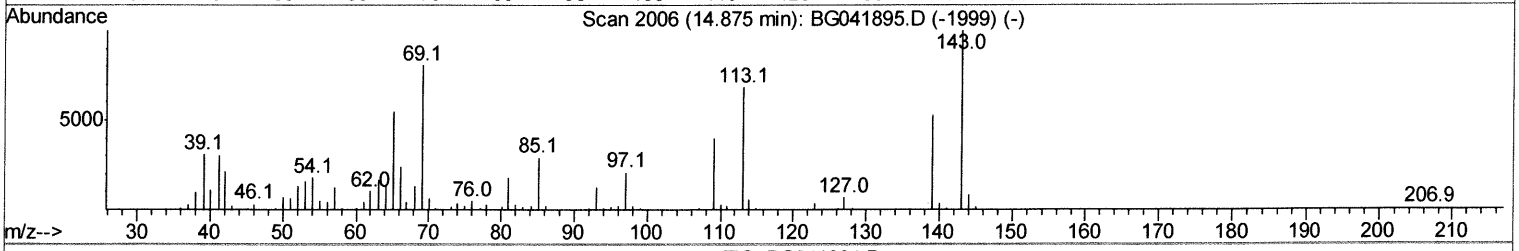


TIC: BG041894.D

(51) 4-Nitrophenol-d4 (S)

14.877min (+0.002) 7.12ng/ul

response 23749

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 68.30 | 67.71 |
| 41.00 | 31.00 | 35.88 |
| 42.00 | 21.10 | 19.66 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 01:52:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
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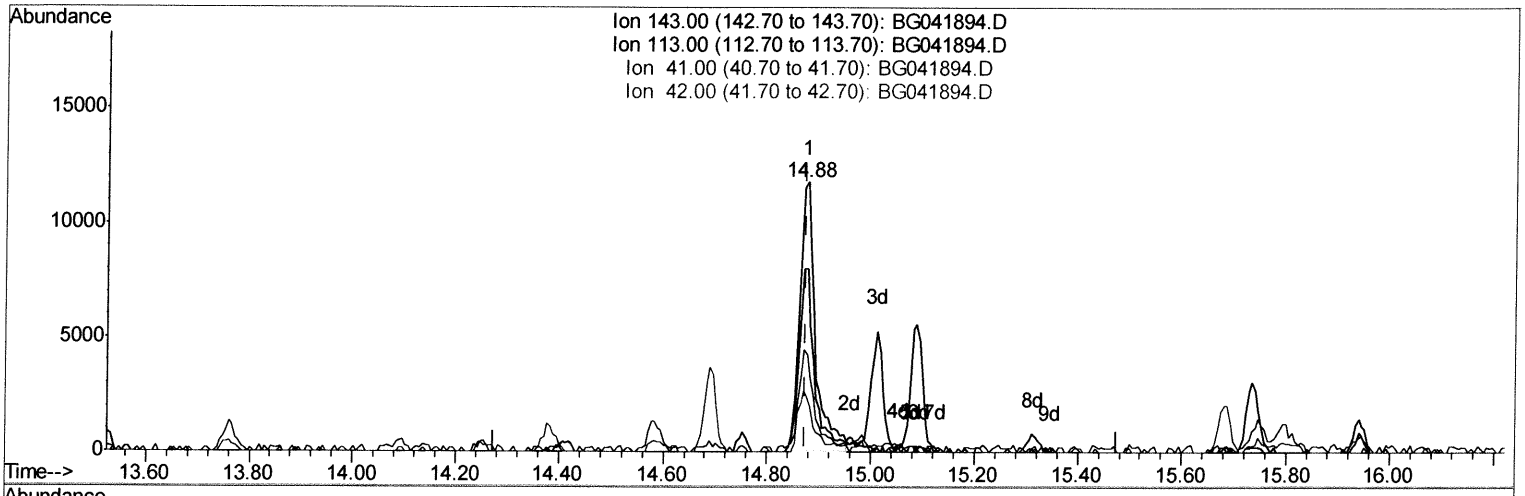


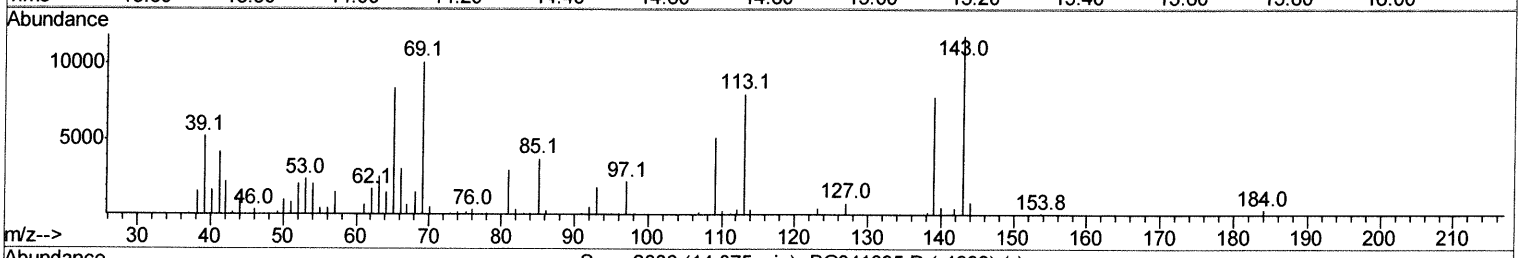


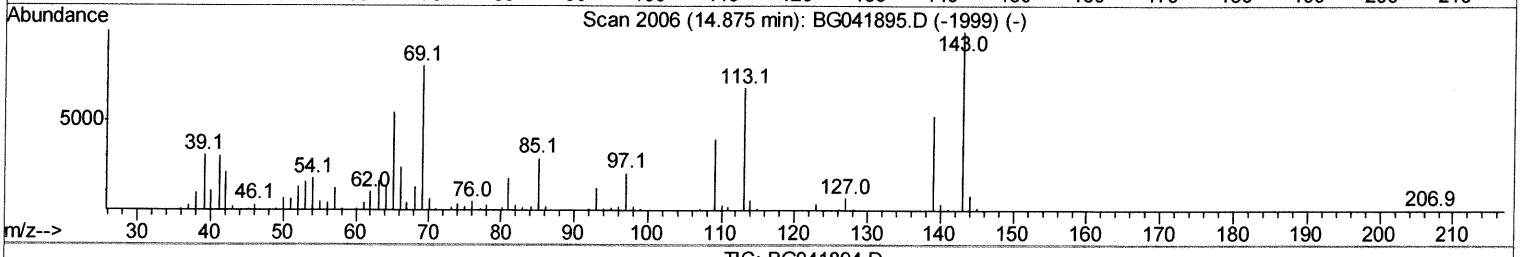


TIC: BG041894.D

(51) 4-Nitrophenol-d4 (S)

14.877min (+0.002) 7.53ng/ul m JU 08/05/19

response 25103

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 68.30 | 67.71 |
| 41.00 | 31.00 | 35.88 |
| 42.00 | 21.10 | 19.66 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 01:52:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
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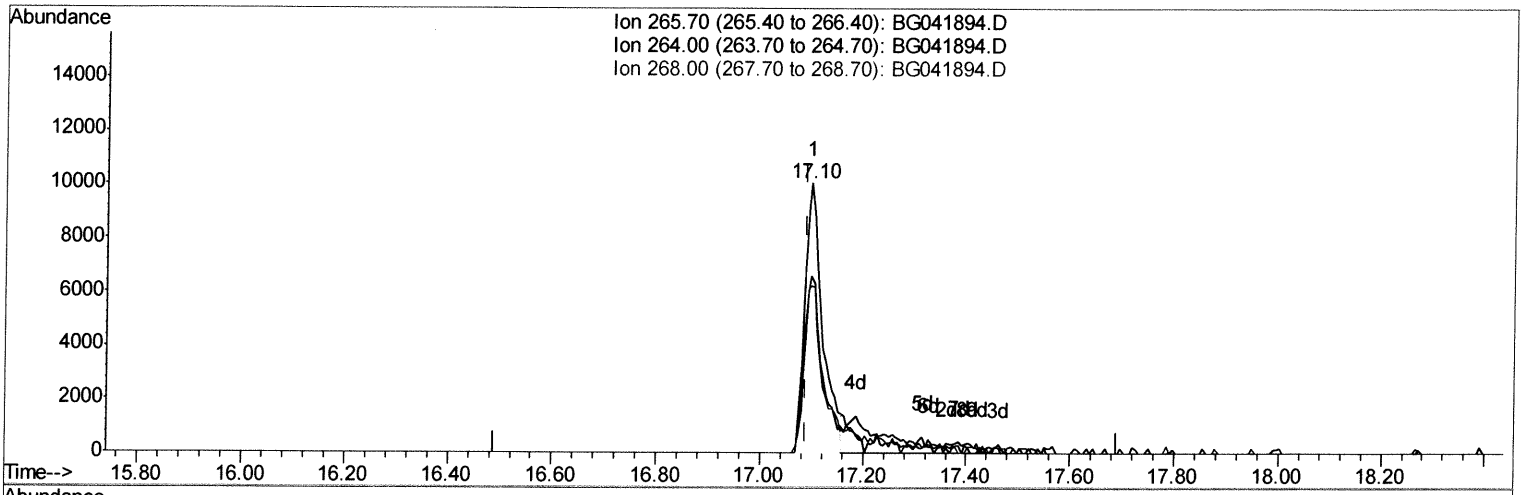


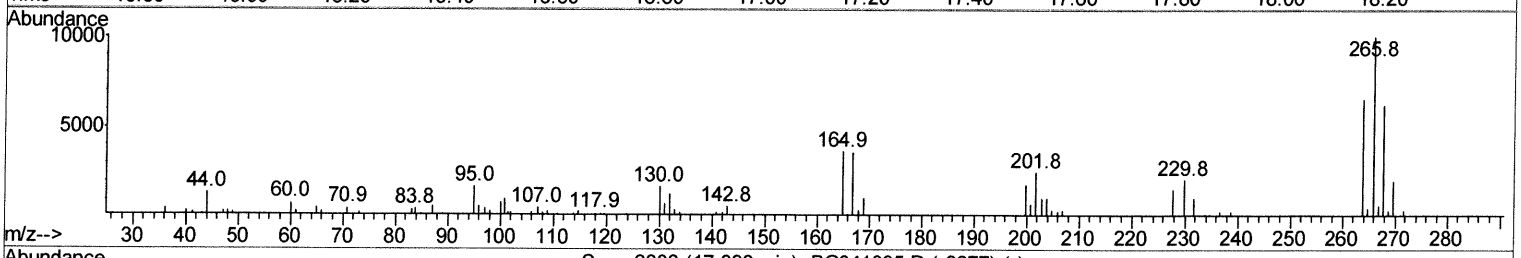


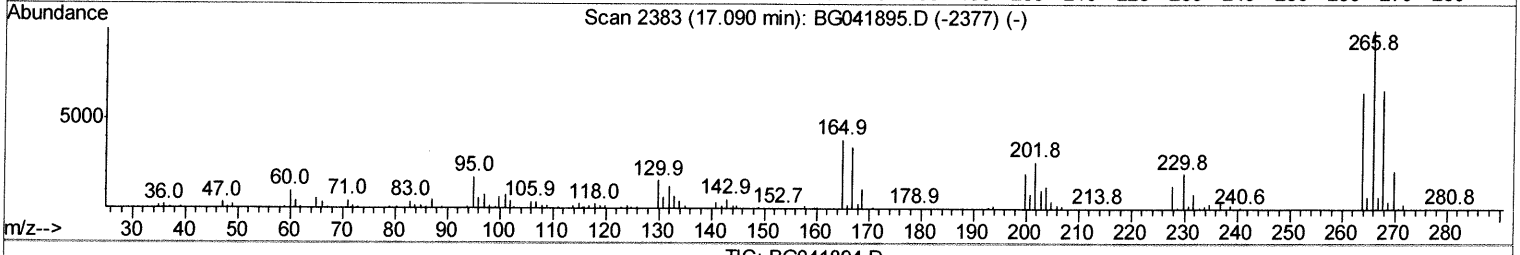


TIC: BG041894.D

(68) Pentachlorophenol (C)

17.097min (+0.008) 6.41ng/ul

response 24230

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100 | 100 |
| 264.00 | 65.40 | 71.27 |
| 268.00 | 66.50 | 62.01 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 01:52:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD01071

**Manual Integrations APPROVED**
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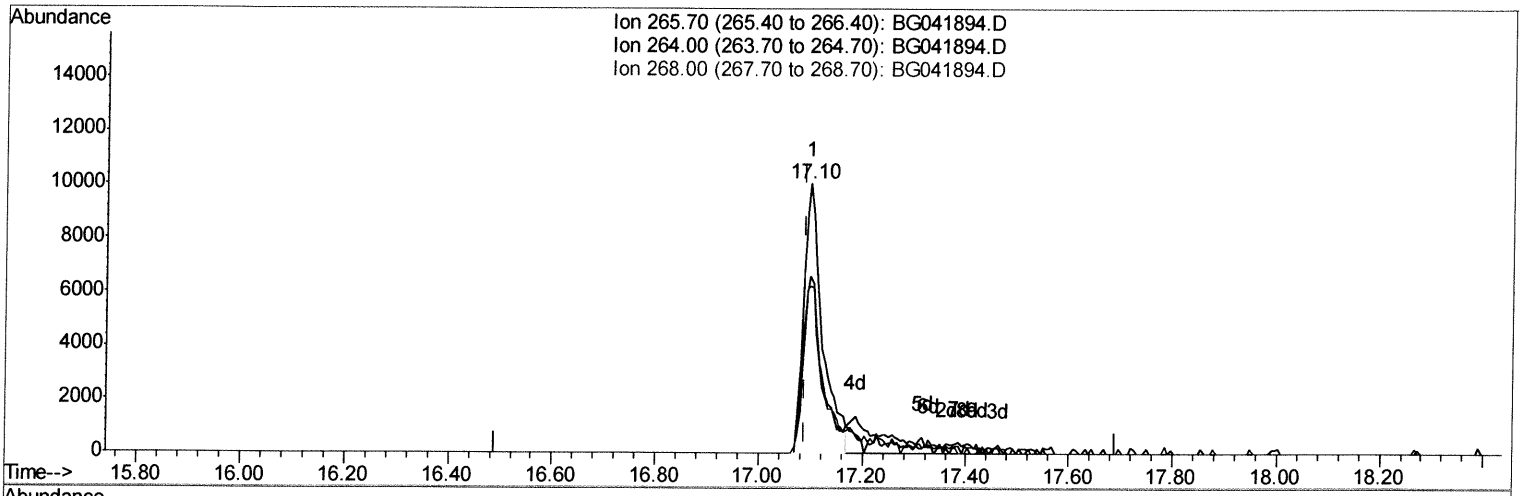
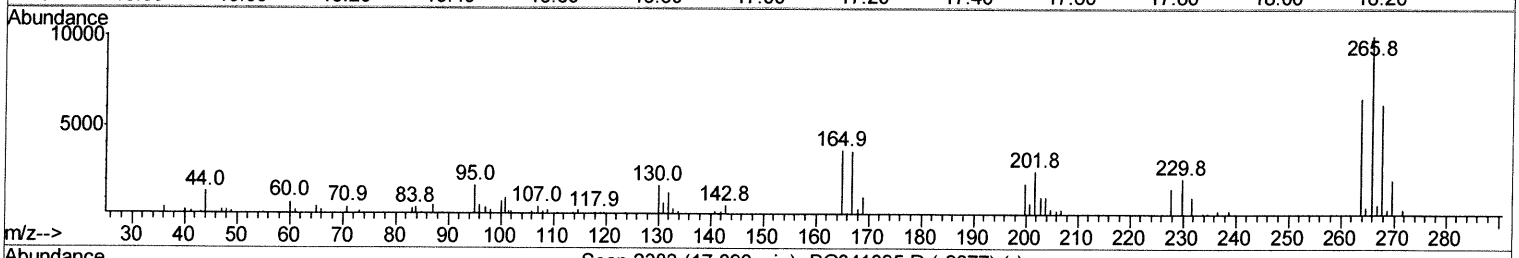
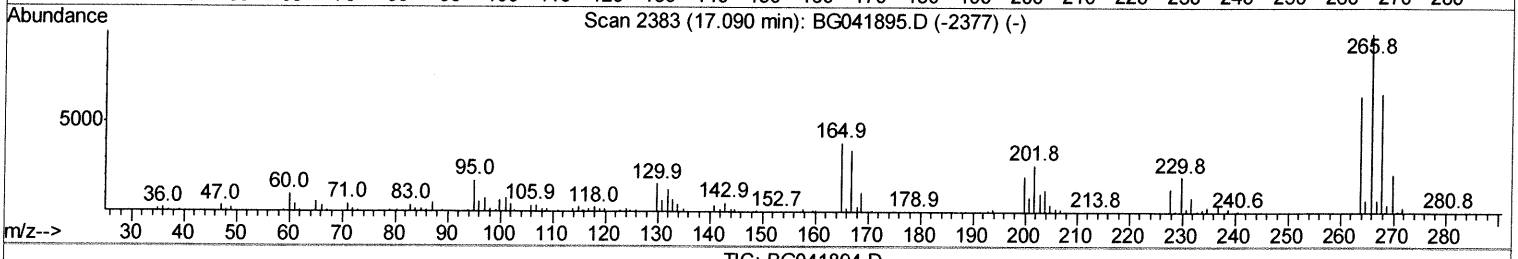
8/5/2019 3:01:08 PM




TIC: BG041894.D

(68) Pentachlorophenol (C)

17.097min (+0.008) 6.64ng/ul m JU 08/05/19

response 25080

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100 | 100 |
| 264.00 | 65.40 | 65.51 |
| 268.00 | 66.50 | 62.01 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01071

Manual Integrations APPROVED
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8/5/2019 3:01:08 PM

Quant Time: Aug 03 02:19:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 77654 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.86 | 136 | 328315 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.69 | 164 | 233301 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.44 | 188 | 541604 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.72 | 240 | 578161 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 24.98 | 264 | 644383 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.42 | 96 | 7144 | 4.24 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.18 | 99 | 54584 | 8.28 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.35 | 67 | 33296 | 8.58 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.56 | 132 | 48423 | 8.95 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.74 | 113 | 46154 | 8.44 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.19 | 128 | 23479 | 8.98 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.92 | 143 | 25811 | 8.84 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.47 | 165 | 54759 | 9.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.99 | 131 | 54730 | 8.66 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 14.09 | 166 | 179561 | 8.77 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.38 | 160 | 204562 | 8.26 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.88 | 143 | 25103m > | 7.53 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.68 | 176 | 157659 | 8.78 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.79 | 200 | 25906 | 7.75 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.54 | 188 | 261363 | 9.38 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.82 | 212 | 325908 | 9.63 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 24.76 | 264 | 332169 | 8.94 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.45 | 88 | 6864 | 3.964 | ng/uL | 98 |
| 4) Benzaldehyde | 7.16 | 77 | 26306 | 8.650 | ng/ul | 98 |
| 6) Phenol | 7.21 | 94 | 57912 | 9.119 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.44 | 93 | 46007 | 9.498 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.59 | 128 | 50331 | 9.719 | ng/ul | 98 |
| 11) 2-Methylphenol | 8.47 | 108 | 45574 | 9.249 | ng/ul | 91 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 80308 | 12.195 | ng/ul | 97 |
| 14) Acetophenone | 8.86 | 105 | 76943 | 9.642 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.84 | 70 | 39872 | 9.627 | ng/ul | 95 |
| 16) 4-Methylphenol | 8.80 | 108 | 50063 | 9.370 | ng/ul | 91 |
| 17) Hexachloroethane | 9.13 | 117 | 20775 | 9.627 | ng/ul | 92 |
| 20) Nitrobenzene | 9.24 | 77 | 54005 | 9.148 | ng/ul | 96 |
| 21) Isophorone | 9.77 | 82 | 108045 | 9.684 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.96 | 139 | 28281 | 9.486 | ng/ul | 97 |
| 24) 2,4-Dimethylphenol | 10.02 | 107 | 57261 | 9.440 | ng/ul | 93 |
| 25) Bis(2-Chloroethoxy)methane | 10.25 | 93 | 62150 | 9.029 | ng/ul | 91 |
| 27) 2,4-Dichlorophenol | 10.50 | 162 | 53458 | 9.678 | ng/ul | 99 |
| 28) Naphthalene | 10.90 | 128 | 165768 | 9.828 | ng/ul | 99 |
| 30) 4-Chloroaniline | 11.01 | 127 | 57312 | 9.530 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 11.20 | 225 | 41366 | 10.623 | ng/ul | 96 |
| 32) Caprolactam | 11.77 | 113 | 15672m > | 9.881 | ng/ul | 98 |
| 33) 4-Chloro-3-methylphenol | 12.13 | 107 | 52680 | 9.536 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.51 | 142 | 128877 | 9.943 | ng/ul | 96 |

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Quantitation Report (QT Reviewed)

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Data File : BG041894.D
Acq On : 2 Aug 2019 19:46
Operator : HP/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 03 02:19:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 03 01:46:33 2019
Response via : Initial Calibration

**Instrument :** BNA_G
**ClientSampleId :** SSTD01071

**Manual Integrations APPROVED**
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8/5/2019 3:01:08 PM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 83141 | 9.924 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.87 | 237 | 48604 | 9.640 ng/ul | 97 |
| 38) 2,4,6-Trichlorophenol | 13.12 | 196 | 49606 | 9.640 ng/ul | 96 |
| 39) 2,4,5-Trichlorophenol | 13.20 | 196 | 54261 | 9.770 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.53 | 154 | 169601 | 8.990 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.57 | 162 | 136321 | 9.116 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.76 | 65 | 32720 | 8.966 ng/ul | 96 |
| 44) Dimethylphthalate | 14.14 | 163 | 179773 | 9.474 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.25 | 165 | 35374 | 9.590 ng/ul | 95 |
| 47) Acenaphthylene | 14.41 | 152 | 211825 | 9.674 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.59 | 138 | 26485 | 8.365 ng/ul | 85 |
| 49) Acenaphthene | 14.75 | 153 | 142152 | 8.942 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.79 | 184 | 10362 | 5.538 ng/ul | 94 |
| 52) 4-Nitrophenol | 14.89 | 109 | 17576 | 7.131 ng/ul | 98 |
| 53) Dibenzofuran | 15.09 | 168 | 220295 | 9.606 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 15.04 | 165 | 51976 | 9.699 ng/ul | 96 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 50971 | 10.401 ng/ul# | 98 |
| 56) Diethylphthalate | 15.51 | 149 | 176440 | 9.582 ng/ul | 99 |
| 58) Fluorene | 15.74 | 166 | 175909 | 9.482 ng/ul | 94 |
| 59) 4-Chlorophenyl-phenylether | 15.73 | 204 | 101839 | 9.970 ng/ul | 95 |
| 60) 4-Nitroaniline | 15.75 | 138 | 28488 | 8.425 ng/ul | 93 |
| 63) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 28042 | 8.303 ng/ul | 97 |
| 64) N-Nitrosodiphenylamine | 15.94 | 169 | 158658 | 9.724 ng/ul | 95 |
| 65) 4-Bromophenyl-phenylether | 16.63 | 248 | 68809 | 10.215 ng/ul | 98 |
| 66) Hexachlorobenzene | 16.75 | 284 | 69491 | 9.223 ng/ul# | 90 |
| 67) Atrazine | 16.89 | 200 | 66487 | 10.803 ng/ul | 97 |
| 68) Pentachlorophenol | 17.10 | 266 | 25080m | 6.638 ng/ul | |
| 69) Phenanthrene | 17.49 | 178 | 301525 | 10.017 ng/ul | 98 |
| 71) Anthracene | 17.57 | 178 | 310513 | 10.122 ng/ul | 97 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.49 | 216 | 83925 | 9.826 ng/uL | 98 |
| 73) Pentachlorobenzene | 15.01 | 250 | 85225 | 9.751 ng/uL | 99 |
| 74) Carbazole | 17.84 | 167 | 269421 | 10.510 ng/ul | 100 |
| 75) Di-n-butylphthalate | 18.41 | 149 | 312191 | 10.157 ng/ul | 99 |
| 76) Fluoranthene | 19.49 | 202 | 401118 | 11.790 ng/ul | 99 |
| 79) Pyrene | 19.85 | 202 | 405659 | 10.097 ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 148168 | 9.810 ng/ul | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.62 | 252 | 124140 | 9.457 ng/ul | 98 |
| 82) Benzo(a)anthracene | 21.70 | 228 | 415249 | 10.471 ng/ul | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 206401 | 9.587 ng/ul | 99 |
| 84) Chrysene | 21.77 | 228 | 374827 | 10.060 ng/ul | 97 |
| 86) Di-n-octyl phthalate | 22.85 | 149 | 343583 | 9.431 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 23.95 | 252 | 398692 | 9.792 ng/ul | 98 |
| 88) Benzo(k)fluoranthene | 24.01 | 252 | 404405 | 10.310 ng/ul | 97 |
| 90) Benzo(a)pyrene | 24.83 | 252 | 387082 | 10.033 ng/ul | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 28.71 | 276 | 438227 | 9.669 ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 28.77 | 278 | 361944 | 9.543 ng/ul | 99 |
| 93) Benzo(g,h,i)perylene | 29.86 | 276 | 364230 | 9.750 ng/ul | 99 |

JU 08/05/19

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