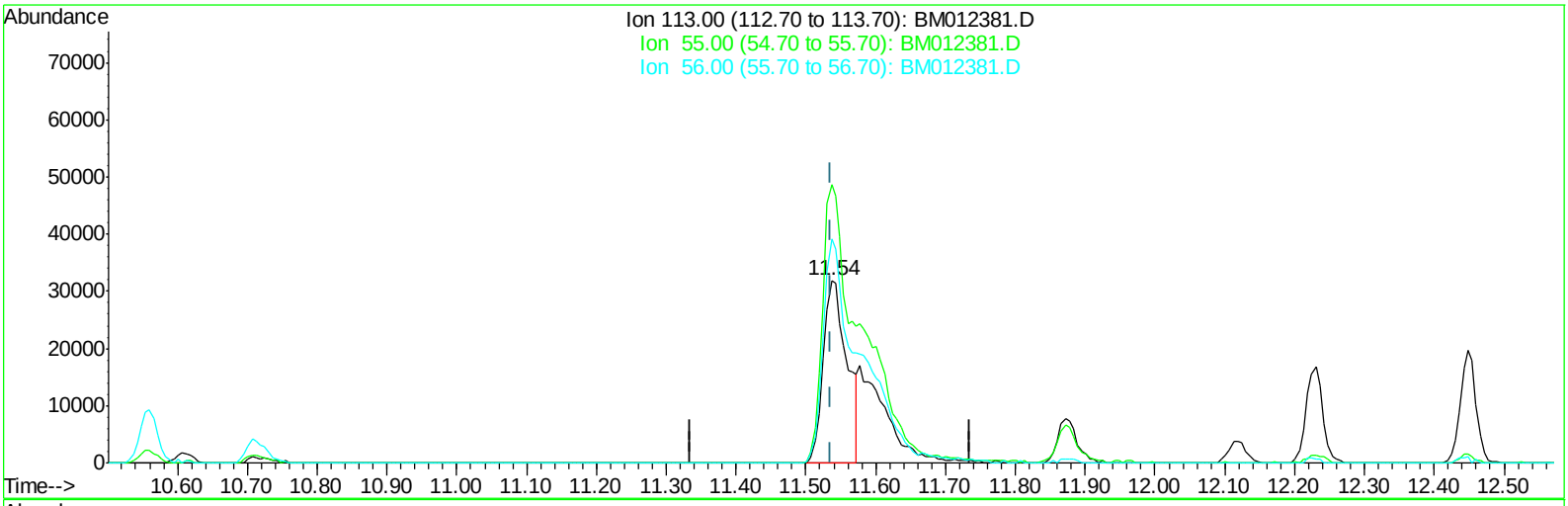
Quantitation Report (Qedit)

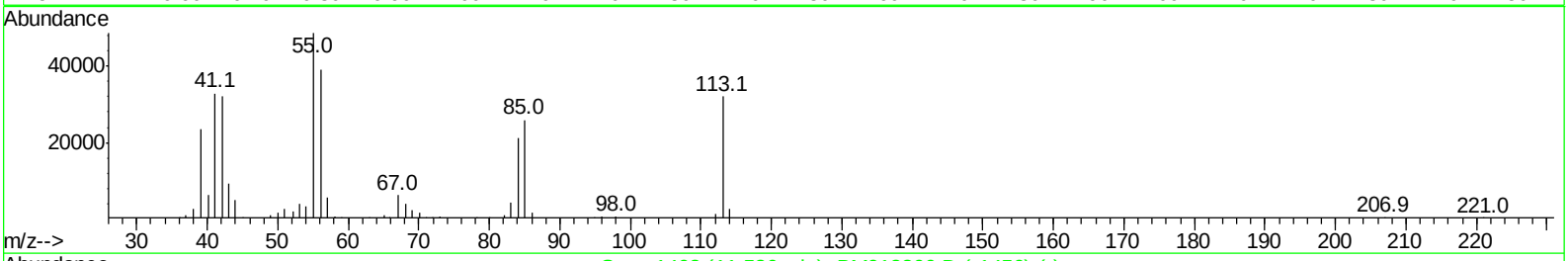
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
Data File : BM012381.D
Acq On : 22 Oct 2017 04:31
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 33 Sample Multiplier: 1

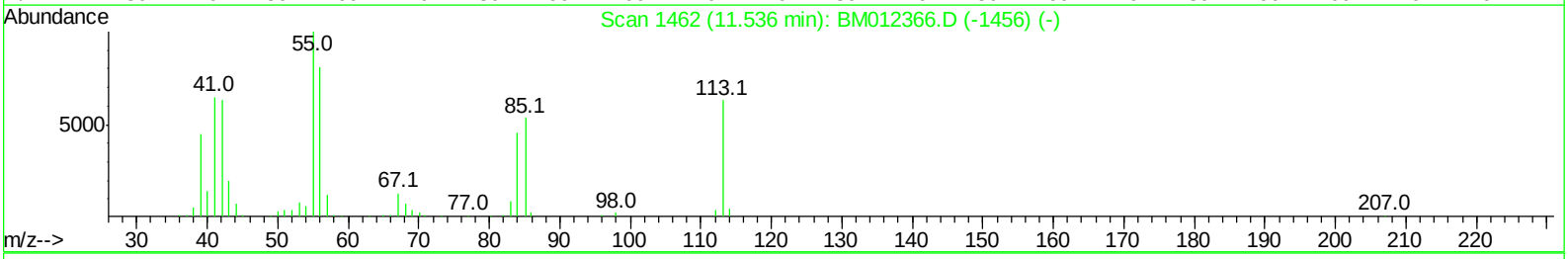
Quant Time: Oct 23 07:42:05 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 23 07:28:58 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02025

**Manual Integrations APPROVED**
Sohil
10/23/2017 4:00:29 PM




TIC: BM012381.D

(32) Caprolactam

11.536min (+0.000) 11.04ng/ul

response 75770

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 134.60 | 152.27 |
| 56.00 | 121.40 | 122.23 |
| 0.00 | 0.00 | 0.00 |

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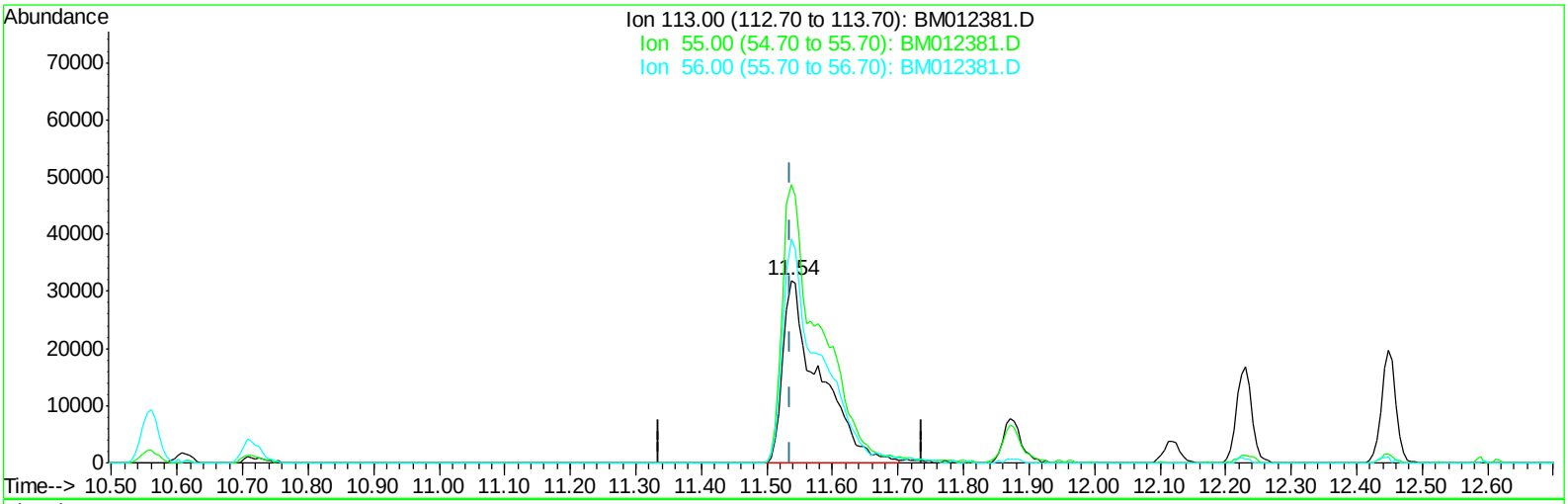
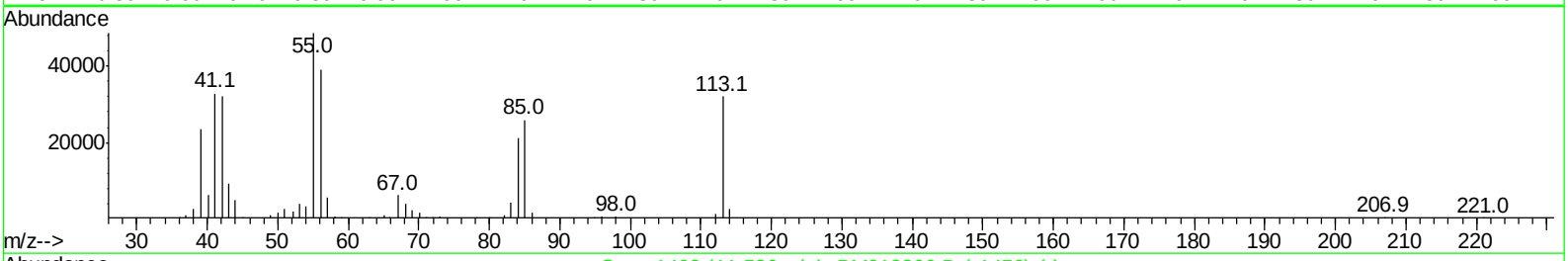
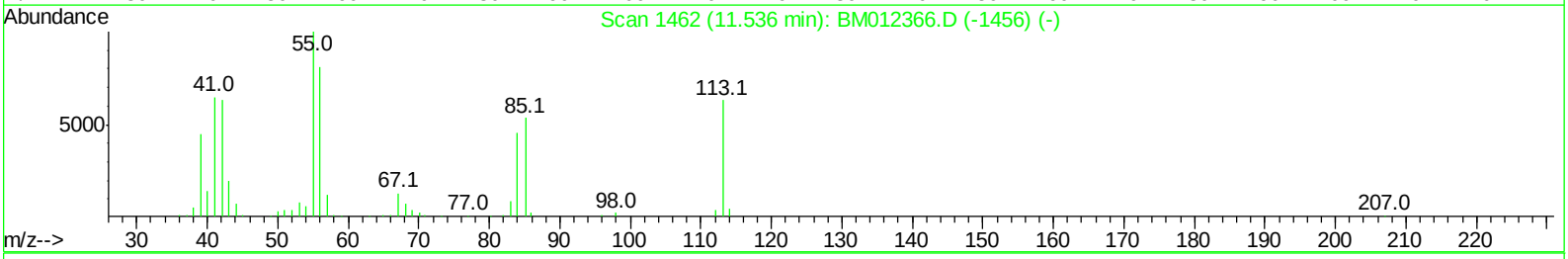
10/23/2017 4:00:29 PM




TIC: BM012381.D

(32) Caprolactam

11.536min (+0.000) 17.75ng/ul m

response 121865

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 134.60 | 152.27 |
| 56.00 | 121.40 | 122.23 |
| 0.00 | 0.00 | 0.00 |

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ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02025

**Manual Integrations APPROVED**
Sohil
10/23/2017 4:00:29 PM

Quant Time: Oct 23 08:19:46 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 23 07:28:58 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 291515 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.56 | 136 | 1296545 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.42 | 164 | 816142 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.17 | 188 | 1795264 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.35 | 240 | 1377290 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.64 | 264 | 1151537 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.19 | 96 | 41621 | 6.78 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.94 | 99 | 441591 | 18.67 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.10 | 67 | 270834 | 19.09 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.30 | 132 | 387343 | 19.31 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.48 | 113 | 396001 | 19.45 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.93 | 128 | 188297 | 19.03 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.65 | 143 | 225872 | 19.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.20 | 165 | 440459 | 19.96 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.71 | 131 | 513026 | 24.83 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.83 | 166 | 1374057 | 19.05 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.11 | 160 | 1669944 | 19.13 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.66 | 143 | 150105 | 13.84 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.41 | 176 | 1124857 | 19.00 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.57 | 200 | 204948 | 16.63 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.27 | 188 | 1690793 | 19.05 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.57 | 212 | 1675223 | 23.96 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.49 | 264 | 1075674 | 19.38 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 43720 | 6.985 | ng/uL# | 91 |
| 4) Benzaldehyde | 6.91 | 77 | 306506 | 19.393 | ng/ul | 98 |
| 6) Phenol | 6.97 | 94 | 451205 | 18.454 | ng/ul | 96 |
| 8) Bis(2-Chloroethyl)ether | 7.19 | 93 | 344912 | 18.511 | ng/ul | 92 |
| 10) 2-Chlorophenol | 7.32 | 128 | 393623 | 19.224 | ng/ul | 94 |
| 11) 2-Methylphenol | 8.21 | 108 | 351371 | 19.107 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.30 | 45 | 443317 | 18.737 | ng/ul | 96 |
| 14) Acetophenone | 8.60 | 105 | 611884 | 19.771 | ng/ul# | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.58 | 70 | 328208 | 19.788 | ng/ul# | 90 |
| 16) 4-Methylphenol | 8.55 | 108 | 394865 | 19.485 | ng/ul | 99 |
| 17) Hexachloroethane | 8.82 | 117 | 171288 | 19.825 | ng/ul | 84 |
| 20) Nitrobenzene | 8.98 | 77 | 472251 | 19.210 | ng/ul | 96 |
| 21) Isophorone | 9.50 | 82 | 871049 | 18.966 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.68 | 139 | 241202 | 19.455 | ng/ul | 94 |
| 24) 2,4-Dimethylphenol | 9.74 | 107 | 483509 | 19.351 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.98 | 93 | 505399 | 18.767 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.22 | 162 | 430319 | 19.791 | ng/ul | 97 |
| 28) Naphthalene | 10.61 | 128 | 1291208 | 19.249 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.74 | 127 | 506999 | 24.958 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.88 | 225 | 321034 | 19.921 | ng/ul | 97 |
| 32) Caprolactam | 11.54 | 113 | 121865m | 17.753 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.87 | 107 | 428056 | 18.790 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.23 | 142 | 991419 | 19.585 | ng/ul | 97 |

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Sohil
10/23/2017 4:00:29 PM

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.60 | 216 | 562190 | 18.976 | ng/ul# | 97 |
| 37) Hexachlorocyclopentadiene | 12.57 | 237 | 175831 | 13.316 | ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.85 | 196 | 363552 | 18.508 | ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.94 | 196 | 366487 | 18.129 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.25 | 154 | 1319793 | 19.161 | ng/ul | 100 |
| 41) 2-Chloronaphthalene | 13.29 | 162 | 1038175 | 19.209 | ng/ul | 97 |
| 42) 2-Nitroaniline | 13.52 | 65 | 287290 | 19.104 | ng/ul | 90 |
| 44) Dimethylphthalate | 13.88 | 163 | 1371061 | 18.972 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 14.01 | 165 | 276853 | 19.300 | ng/ul | 90 |
| 47) Acenaphthylene | 14.14 | 152 | 1641708 | 19.147 | ng/ul | 98 |
| 48) 3-Nitroaniline | 14.35 | 138 | 242368 | 21.717 | ng/ul | 95 |
| 49) Acenaphthene | 14.48 | 153 | 1102369 | 19.088 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.58 | 184 | 172809 | 21.215 | ng/ul | 88 |
| 52) 4-Nitrophenol | 14.68 | 109 | 142852 | 14.658 | ng/ul | 92 |
| 53) Dibenzofuran | 14.82 | 168 | 1615726 | 19.429 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.81 | 165 | 404657 | 19.464 | ng/ul# | 67 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.05 | 232 | 319085 | 17.248 | ng/ul# | 85 |
| 56) Diethylphthalate | 15.24 | 149 | 1404514 | 17.980 | ng/ul | 98 |
| 58) Fluorene | 15.47 | 166 | 1313246 | 19.015 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.46 | 204 | 692226 | 19.079 | ng/ul | 96 |
| 60) 4-Nitroaniline | 15.52 | 138 | 222696 | 16.160 | ng/ul | 89 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 198 | 212807 | 16.361 | ng/ul# | 90 |
| 64) N-Nitrosodiphenylamine | 15.68 | 169 | 1109063 | 19.737 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.35 | 248 | 421931 | 19.634 | ng/ul | 95 |
| 66) Hexachlorobenzene | 16.47 | 284 | 467618 | 19.208 | ng/ul# | 94 |
| 67) Atrazine | 16.63 | 200 | 443481 | 18.875 | ng/ul | 98 |
| 68) Pentachlorophenol | 16.83 | 266 | 251938 | 18.555 | ng/ul | 96 |
| 69) Phenanthrene | 17.21 | 178 | 1949754 | 19.091 | ng/ul | 99 |
| 71) Anthracene | 17.30 | 178 | 2018549 | 19.092 | ng/ul | 100 |
| 72) Carbazole | 17.58 | 167 | 1614121 | 18.039 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.12 | 149 | 2300856 | 18.521 | ng/ul | 99 |
| 74) Fluoranthene | 19.23 | 202 | 2112939 | 17.144 | ng/ul# | 97 |
| 77) Pyrene | 19.59 | 202 | 2134484 | 23.467 | ng/ul | 97 |
| 78) Butylbenzylphthalate | 20.48 | 149 | 932997 | 23.043 | ng/ul | 92 |
| 79) 3,3'-Dichlorobenzidine | 21.27 | 252 | 512304 | 18.690 | ng/ul | 99 |
| 80) Benzo(a)anthracene | 21.34 | 228 | 1654841 | 18.465 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.24 | 149 | 1342782 | 22.101 | ng/ul# | 96 |
| 82) Chrysene | 21.39 | 228 | 1520448 | 18.070 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.13 | 149 | 1949693 | 23.159 | ng/ul | 96 |
| 85) Benzo(b)fluoranthene | 22.95 | 252 | 1373761 | 18.281 | ng/ul | 99 |
| 86) Benzo(k)fluoranthene | 22.99 | 252 | 1404598 | 19.396 | ng/ul# | 99 |
| 88) Benzo(a)pyrene | 23.55 | 252 | 1346981 | 19.018 | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.98 | 276 | 1632916 | 21.710 | ng/ul | 97 |
| 90) Dibenzo(a,h)anthracene | 25.98 | 278 | 1392871 | 22.029 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 26.70 | 276 | 1377183 | 22.356 | ng/ul | 97 |

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

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