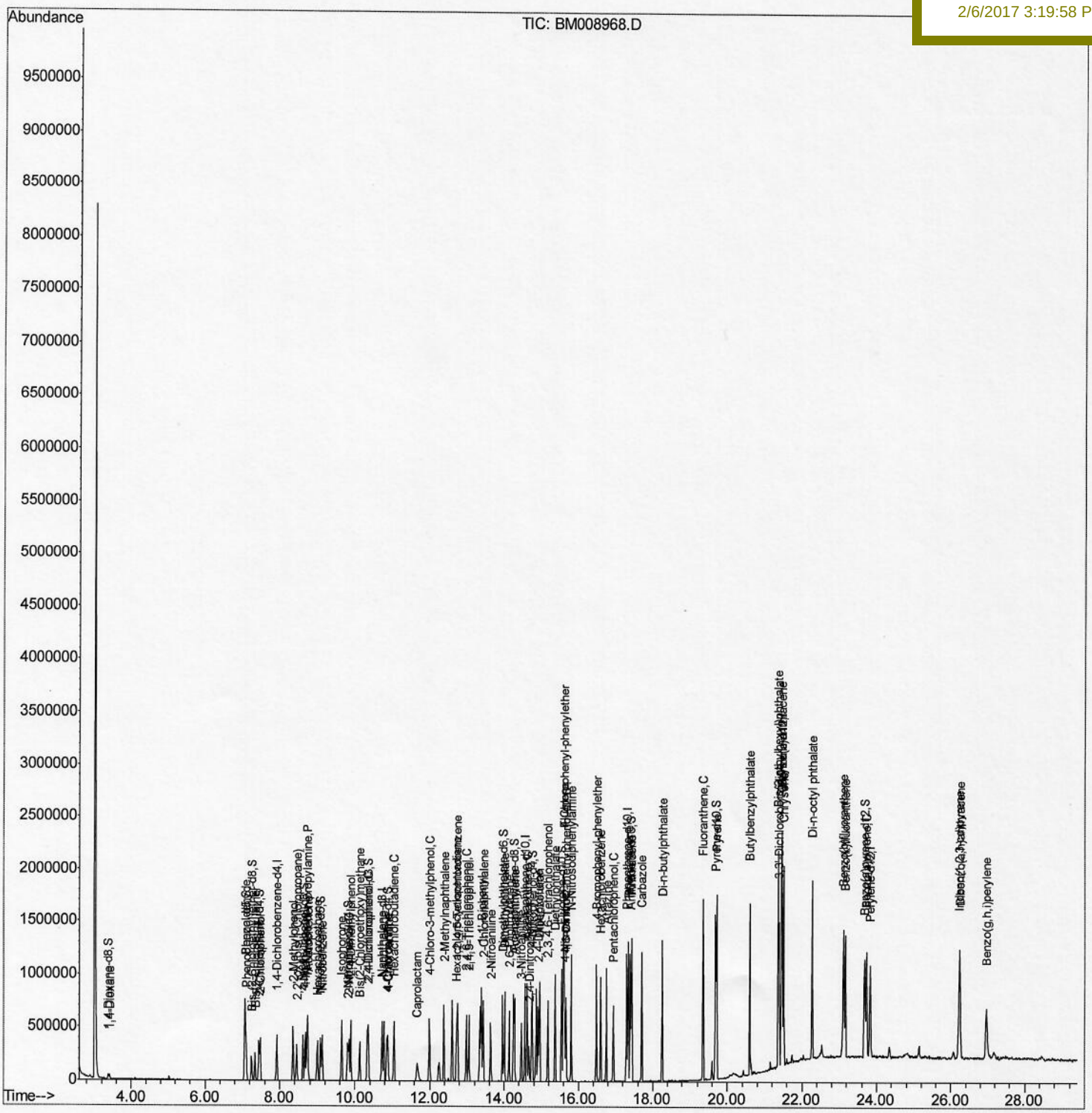
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020317\
Data File : BM008968.D
Acq On : 03 Feb 2017 16:49
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 03 22:27:38 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 02 17:33:49 2017
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02034

**Manual Integrations APPROVED**
mohammad
2/6/2017 3:19:58 PM



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Quant Title : SVOA CALIBRATION
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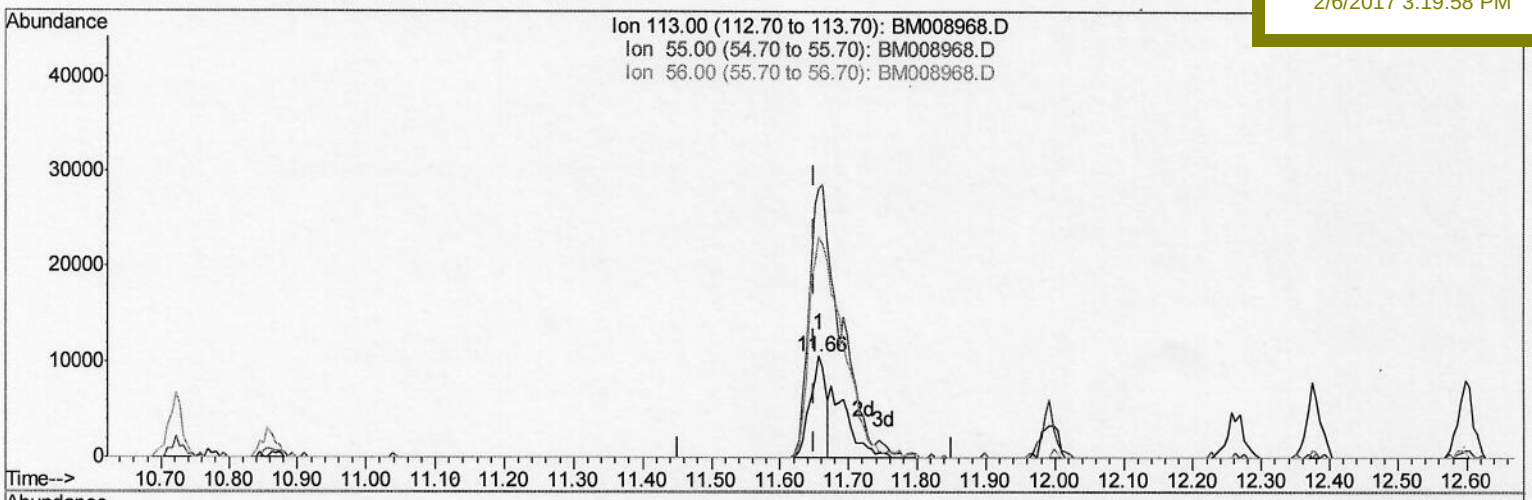


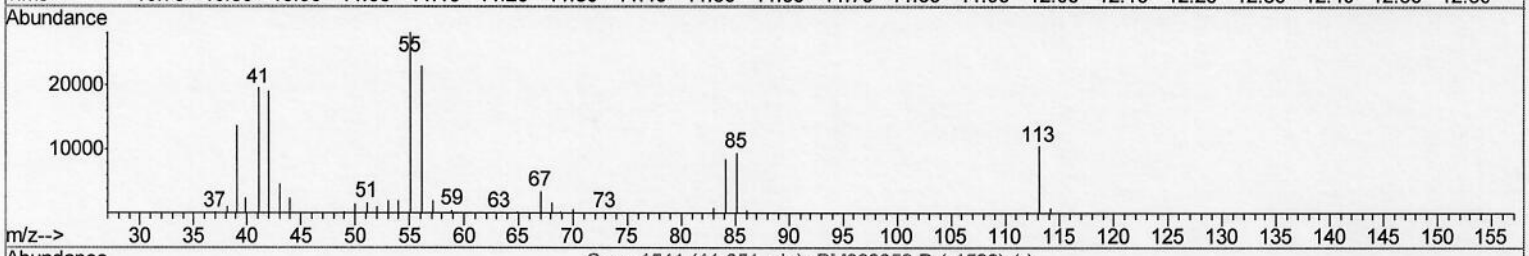


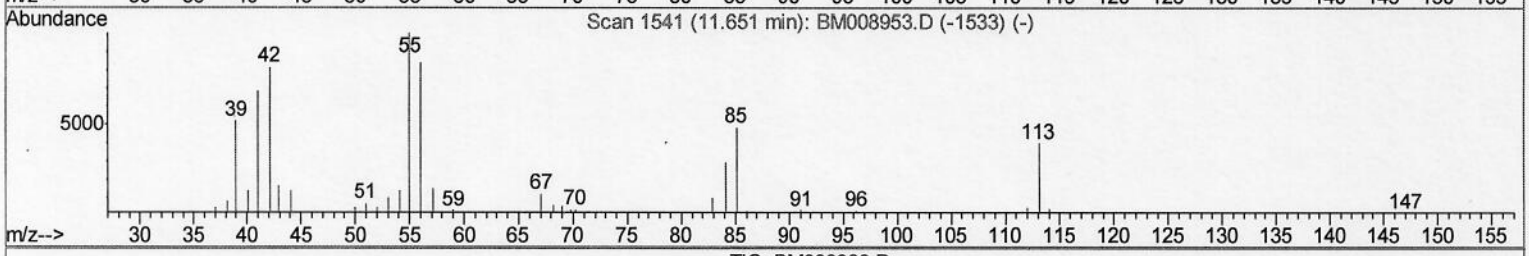


TIC: BM008968.D

(32) Caprolactam

11.657min (+0.006) 11.03ng/ul

response 16802

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 236.60 | 265.74 |
| 56.00 | 207.20 | 217.20 |
| 0.00 | 0.00 | 0.00 |

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**LabSampleId :**
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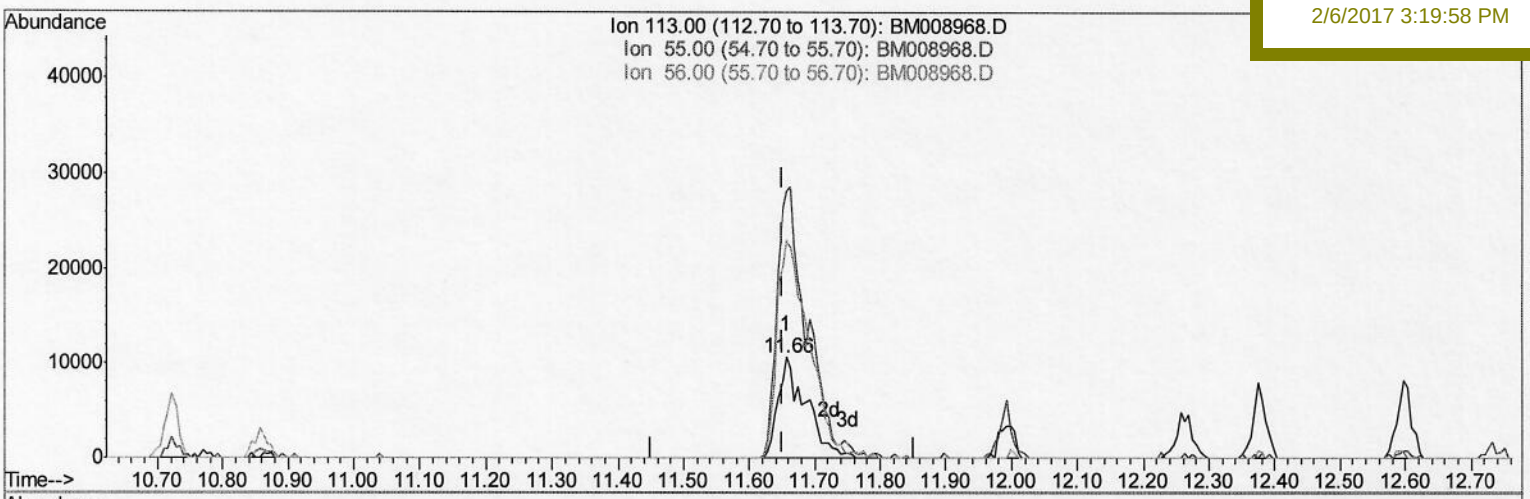


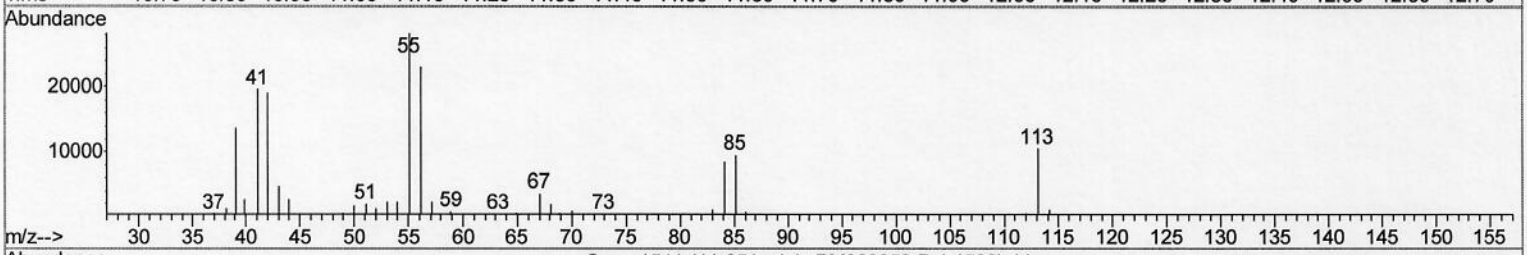


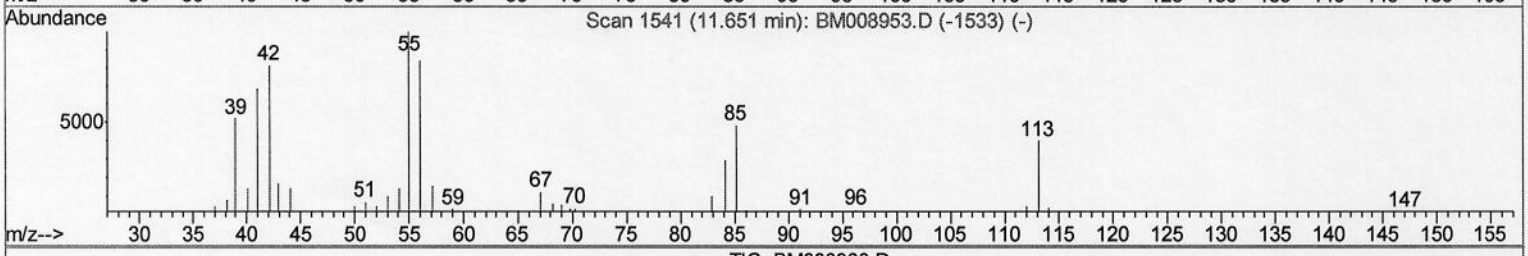


TIC: BM008968.D

(32) Caprolactam

11.657min (+0.006) 20.69ng/ul m > SJ 02/06/2017

response 31500

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 236.60 | 265.74 |
| 56.00 | 207.20 | 217.20 |
| 0.00 | 0.00 | 0.00 |

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**Manual Integrations APPROVED**
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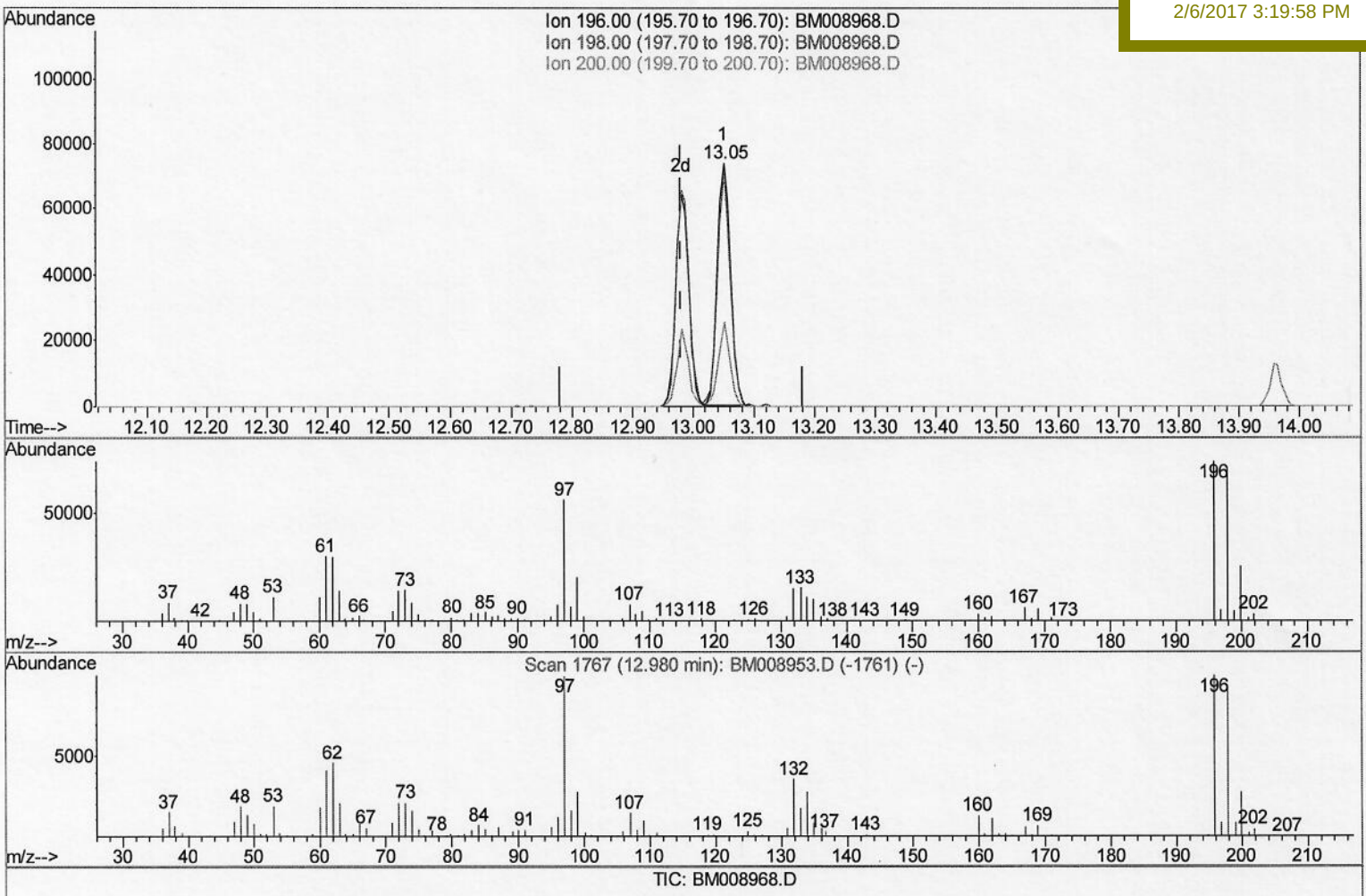


TIC: BM008968.D

(38) 2,4,6-Trichlorophenol (C)

13.051min (+0.070) 22.43ng/ul

response 111723

| Ion | Exp% | Act% |
|---|---|---|
| 196.00 | 100 | 100 |
| 198.00 | 87.70 | 96.05 |
| 200.00 | 29.70 | 34.53 |
| 0.00 | 0.00 | 0.00 |

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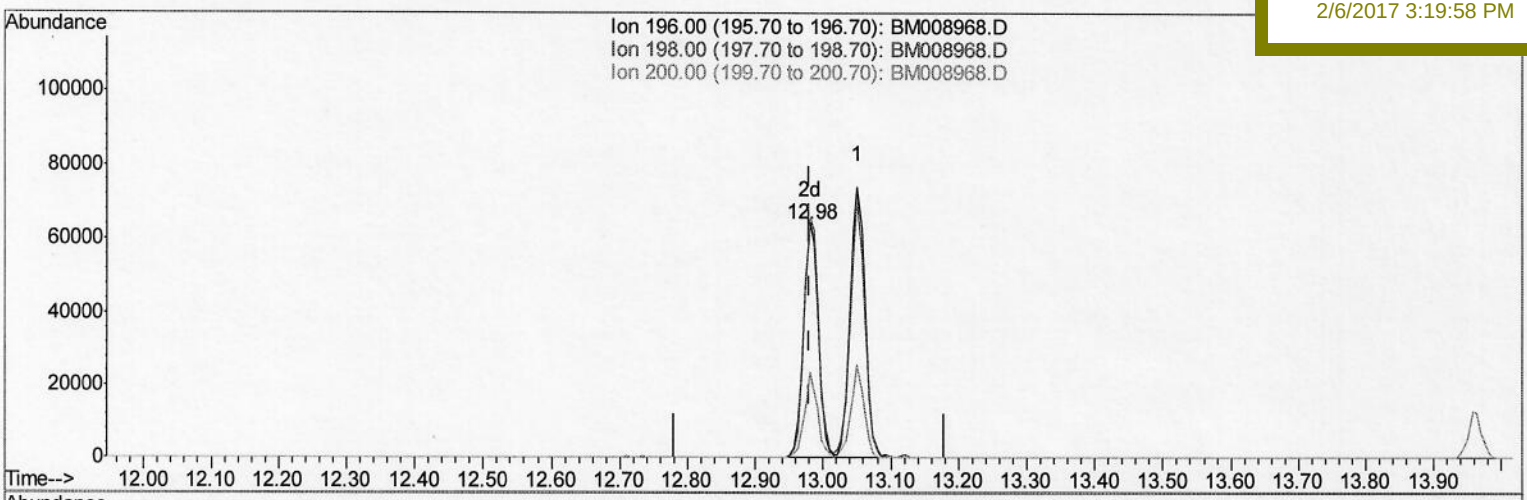
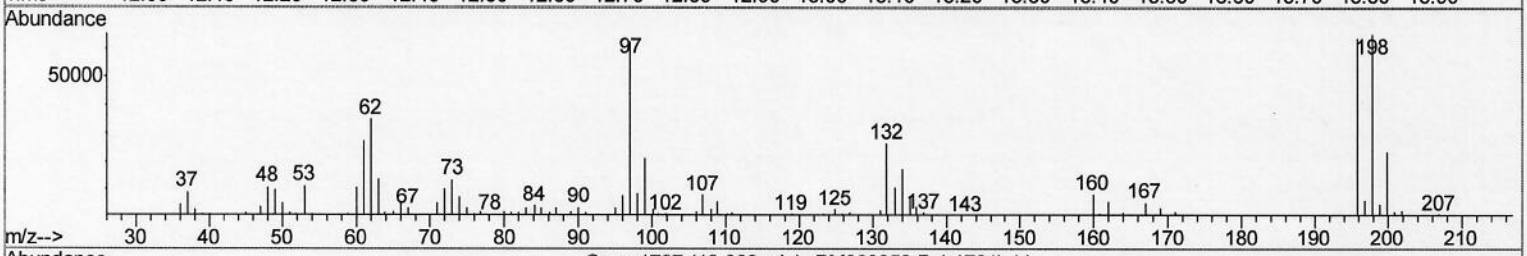
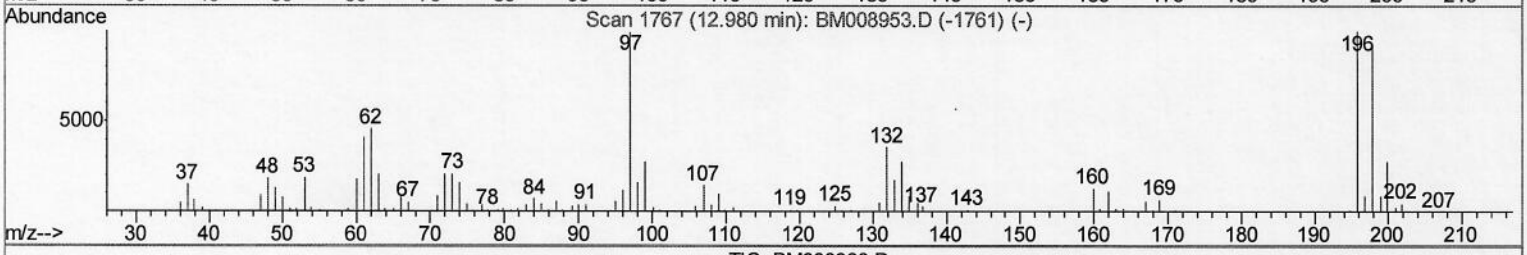
**Instrument :**
BNA_M
**LabSampleId :**
SSTD02034

**Manual Integrations APPROVED**
mohammad
2/6/2017 3:19:58 PM




TIC: BM008968.D

(38) 2,4,6-Trichlorophenol (C)

12.980min (-0.000) 19.43ng/ul m

response 96753

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02/06/2017

| Ion | Exp% | Act% |
|---|---|---|
| 196.00 | 100 | 100 |
| 198.00 | 87.70 | 102.18 |
| 200.00 | 29.70 | 36.91# |
| 0.00 | 0.00 | 0.00 |

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**Instrument :** BNA_M
**LabSampleId :** SSTD02034

**Manual Integrations APPROVED**
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2/6/2017 3:19:58 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 68228 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.72 | 136 | 295630 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.56 | 164 | 245766 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.30 | 188 | 609867 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.47 | 240 | 788718 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.83 | 264 | 639366 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.38 | 96 | 12249 | 7.18 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.07 | 99 | 124938 | 19.60 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.25 | 67 | 105198 | 20.16 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.45 | 132 | 79467 | 20.20 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.62 | 113 | 100522 | 20.86 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.08 | 128 | 42074 | 19.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.80 | 143 | 50213 | 21.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.33 | 165 | 102209 | 20.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.86 | 131 | 101746 | 22.22 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.96 | 166 | 373691 | 20.74 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.25 | 160 | 439084 | 21.50 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.74 | 143 | 59789 | 20.33 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.54 | 176 | 343870 | 20.68 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.66 | 200 | 68953 | 17.46 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.40 | 188 | 580357 | 19.92 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.69 | 212 | 714579 | 20.55 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.67 | 264 | 609084 | 20.98 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 14722 | 6.86 | ng/uL | 91 |
| 4) Benzaldehyde | 7.06 | 77 | 131877 | 20.69 | ng/ul | 96 |
| 6) Phenol | 7.10 | 94 | 135129 | 19.99 | ng/ul | 93 |
| 8) Bis(2-Chloroethyl)ether | 7.34 | 93 | 100590 | 19.68 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.48 | 128 | 85430 | 21.01 | ng/ul | 96 |
| 11) 2-Methylphenol | 8.35 | 108 | 99238 | 20.93 | ng/ul | 87 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.45 | 45 | 203033 | 20.06 | ng/ul | 97 |
| 14) Acetophenone | 8.75 | 105 | 183861 | 20.33 | ng/ul | 95 |
| 15) N-Nitroso-di-n-propylamine | 8.72 | 70 | 121627 | 20.48 | ng/ul | 94 |
| 16) 4-Methylphenol | 8.67 | 108 | 108158 | 21.37 | ng/ul | 98 |
| 17) Hexachloroethane | 9.00 | 117 | 51319 | 19.82 | ng/ul# | 85 |
| 20) Nitrobenzene | 9.13 | 77 | 189064 | 19.33 | ng/ul | 99 |
| 21) Isophorone | 9.65 | 82 | 301801 | 20.80 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.83 | 139 | 54329 | 22.04 | ng/ul | 85 |
| 24) 2,4-Dimethylphenol | 9.89 | 107 | 153716 | 20.52 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 10.13 | 93 | 152391 | 20.66 | ng/ul | 93 |
| 27) 2,4-Dichlorophenol | 10.36 | 162 | 102105 | 20.36 | ng/ul | 97 |
| 28) Naphthalene | 10.77 | 128 | 300021 | 20.48 | ng/ul | 96 |
| 30) 4-Chloroaniline | 10.89 | 127 | 103871 | 21.60 | ng/ul# | 89 |
| 31) Hexachlorobutadiene | 11.05 | 225 | 91680 | 18.52 | ng/ul | 99 |
| 32) Caprolactam | 11.66 | 113 | 31500m | 20.69 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.99 | 107 | 136638 | 20.51 | ng/ul# | 96 |
| 34) 2-Methylnaphthalene | 12.38 | 142 | 245917 | 21.43 | ng/ul | 91 |

SJ
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**Manual Integrations APPROVED**
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2/6/2017 3:19:58 PM

SS
02/06/2017

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.75 | 216 | 165098 | 20.01 | ng/ul | 99 |
| 37) Hexachlorocyclopentadiene | 12.72 | 237 | 107773 | 17.17 | ng/ul# | 98 |
| 38) 2,4,6-Trichlorophenol | 12.98 | 196 | 96753m | 19.43 | ng/ul | |
| 39) 2,4,5-Trichlorophenol | 13.05 | 196 | 111723 | 20.57 | ng/ul# | 92 |
| 40) 1,1'-Biphenyl | 13.39 | 154 | 338883 | 20.28 | ng/ul | 96 |
| 41) 2-Chloronaphthalene | 13.43 | 162 | 269168 | 20.55 | ng/ul | 98 |
| 42) 2-Nitroaniline | 13.64 | 65 | 149024 | 21.10 | ng/ul | 98 |
| 44) Dimethylphthalate | 14.01 | 163 | 376755 | 21.44 | ng/ul | 97 |
| 45) 2,6-Dinitrotoluene | 14.13 | 165 | 72484 | 21.55 | ng/ul | 98 |
| 47) Acenaphthylene | 14.28 | 152 | 424211 | 21.09 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.46 | 138 | 65339 | 22.64 | ng/ul | 99 |
| 49) Acenaphthene | 14.62 | 153 | 301784 | 20.91 | ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 14.67 | 184 | 40364 | 15.89 | ng/ul | 99 |
| 52) 4-Nitrophenol | 14.76 | 109 | 120594 | 18.81 | ng/ul# | 90 |
| 53) Dibenzofuran | 14.96 | 168 | 443722 | 20.17 | ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.92 | 165 | 112569 | 22.03 | ng/ul# | 92 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.17 | 232 | 111013 | 21.21 | ng/ul | 94 |
| 56) Diethylphthalate | 15.37 | 149 | 418919 | 21.52 | ng/ul | 97 |
| 58) Fluorene | 15.60 | 166 | 383757 | 20.50 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.59 | 204 | 212891 | 19.90 | ng/ul | 89 |
| 60) 4-Nitroaniline | 15.63 | 138 | 77838 | 20.84 | ng/ul | 86 |
| 63) 4,6-Dinitro-2-methylphenol | 15.67 | 198 | 73218 | 18.32 | ng/ul | 94 |
| 64) N-Nitrosodiphenylamine | 15.81 | 169 | 341131 | 20.22 | ng/ul | 97 |
| 65) 4-Bromophenyl-phenylether | 16.49 | 248 | 140944 | 19.68 | ng/ul | 92 |
| 66) Hexachlorobenzene | 16.60 | 284 | 154374 | 20.01 | ng/ul | 93 |
| 67) Atrazine | 16.76 | 200 | 153527 | 20.17 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.94 | 266 | 98790 | 20.15 | ng/ul# | 83 |
| 69) Phenanthrene | 17.34 | 178 | 664353 | 20.13 | ng/ul | 98 |
| 71) Anthracene | 17.43 | 178 | 690190 | 20.34 | ng/ul | 98 |
| 72) Carbazole | 17.70 | 167 | 605064 | 20.06 | ng/ul | 99 |
| 73) Di-n-butylphthalate | 18.26 | 149 | 755435 | 21.15 | ng/ul | 97 |
| 74) Fluoranthene | 19.35 | 202 | 880874 | 19.99 | ng/ul | 98 |
| 77) Pyrene | 19.72 | 202 | 912667 | 20.91 | ng/ul | 98 |
| 78) Butylbenzylphthalate | 20.60 | 149 | 355823 | 21.97 | ng/ul | 99 |
| 79) 3,3'-Dichlorobenzidine | 21.39 | 252 | 300333 | 19.50 | ng/ul# | 99 |
| 80) Benzo(a)anthracene | 21.46 | 228 | 924508 | 20.28 | ng/ul | 98 |
| 81) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 498931 | 22.02 | ng/ul | 97 |
| 82) Chrysene | 21.51 | 228 | 849306 | 19.71 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 22.27 | 149 | 821155 | 21.20 | ng/ul | 99 |
| 85) Benzo(b)fluoranthene | 23.11 | 252 | 826615 | 21.37 | ng/ul | 98 |
| 86) Benzo(k)fluoranthene | 23.16 | 252 | 790028 | 21.32 | ng/ul | 99 |
| 88) Benzo(a)pyrene | 23.72 | 252 | 765380 | 20.71 | ng/ul | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 26.23 | 276 | 753277 | 18.95 | ng/ul | 95 |
| 90) Dibenzo(a,h)anthracene | 26.24 | 278 | 644529 | 19.00 | ng/ul | 95 |
| 91) Benzo(g,h,i)perylene | 26.97 | 276 | 613894 | 18.85 | ng/ul | 96 |

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