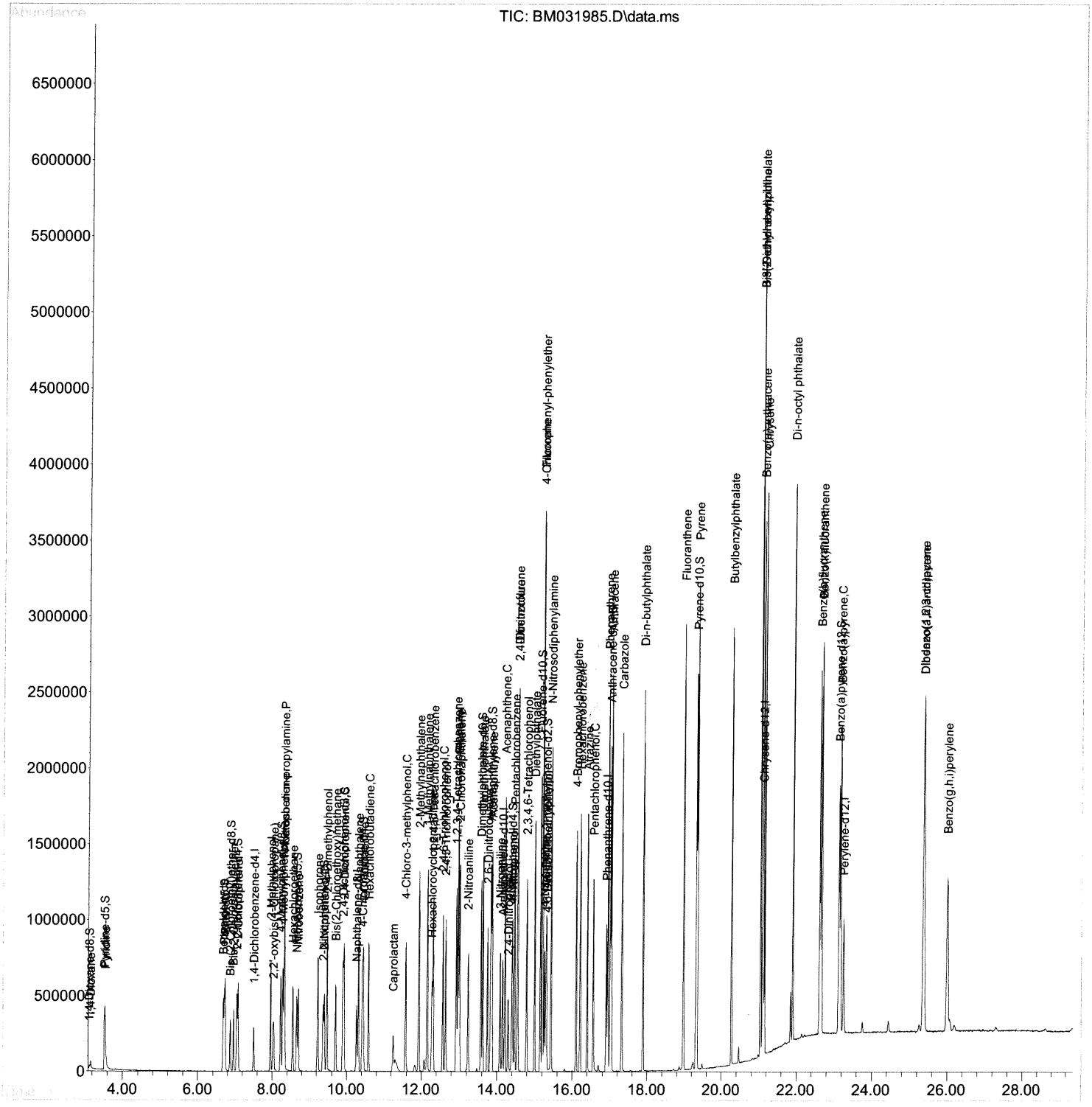
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083021\
Data File : BM031985.D
Acq On : 31 Aug 2021 14:24
Operator : CG/JU
Sample : PB138690BS
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 31 15:02:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM082821.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 09:21:30 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS690

**Manual Integrations APPROVED**
mohammad
9/1/2021 4:02:55 PM



Quantitation Report (Qedit)

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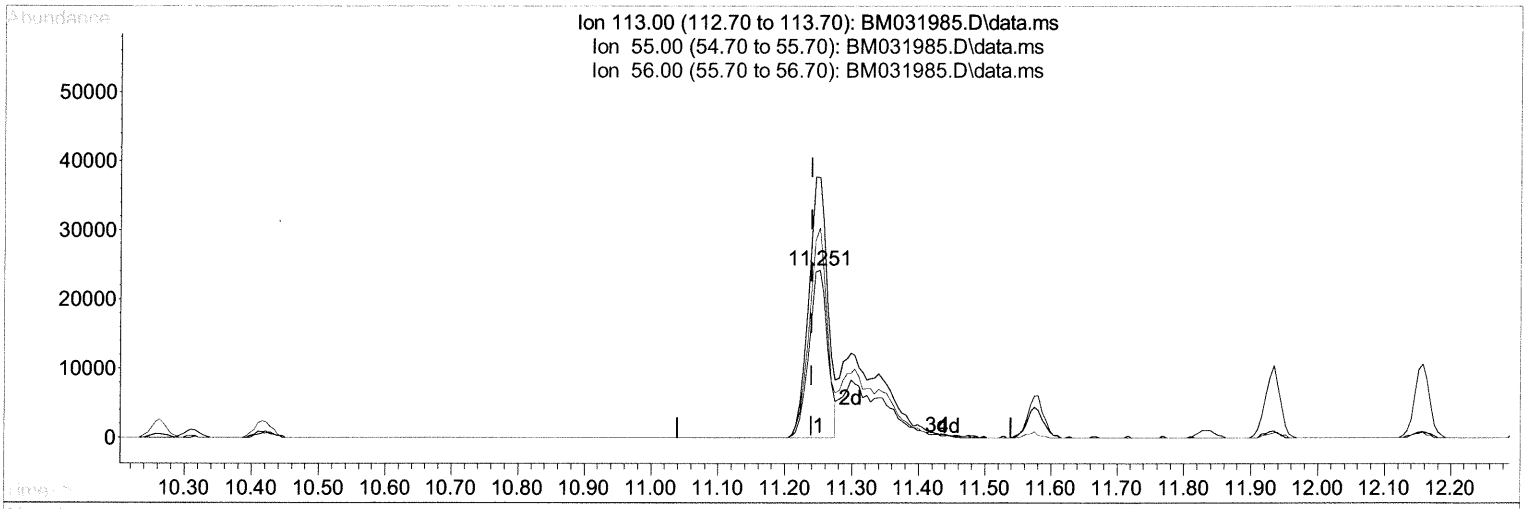
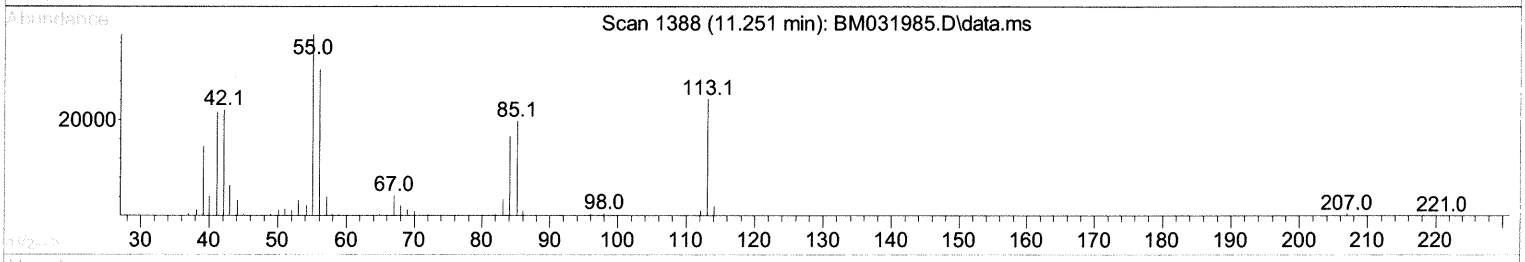
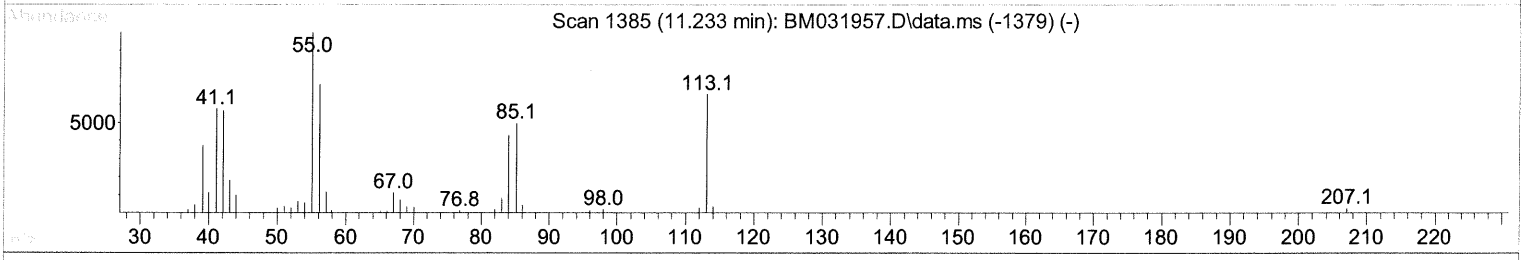
mohammad
9/1/2021 4:02:55 PM




TIC: BM031985.D\data.ms

**(34) Caprolactam**

**11.251min (+ 0.012) 25.97 ng/ul**

**response 47104**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 194.00 | 155.20# |
| 56.00 | 127.40 | 125.32 |
| 0.00 | 0.00 | 0.00 |

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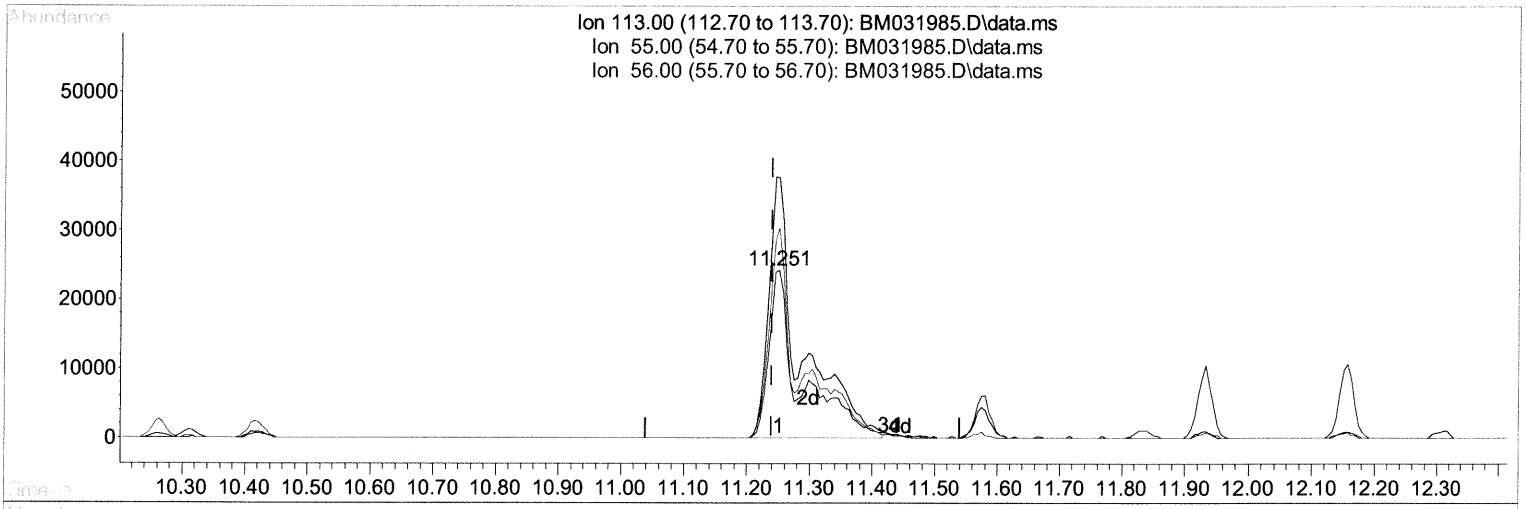
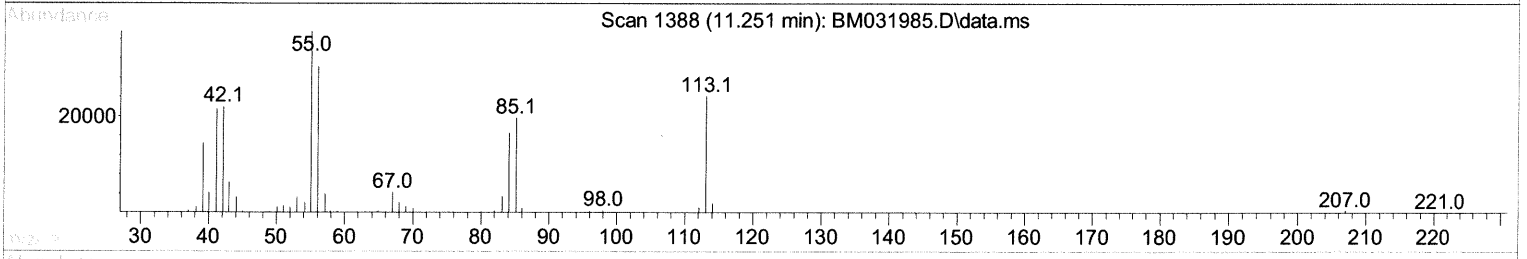
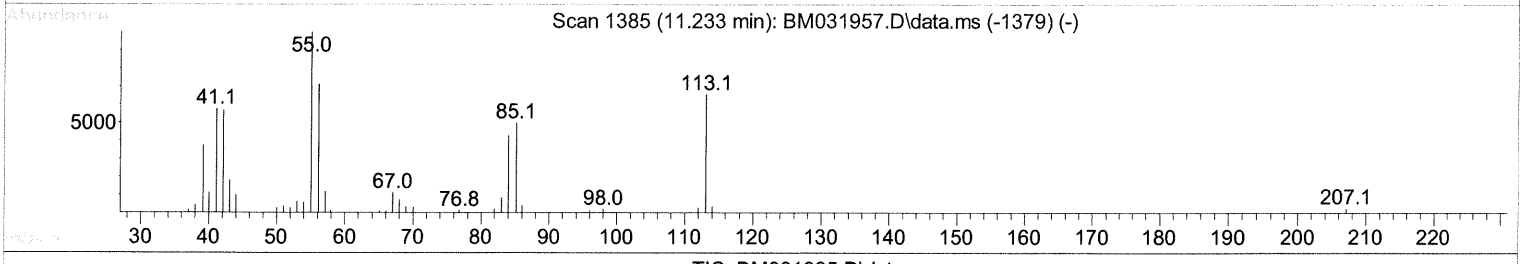
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS690

**Manual Integrations APPROVED**
mohammad
9/1/2021 4:02:55 PM




TIC: BM031985.D\data.ms

**(34) Caprolactam**

**11.251min (+ 0.012) 45.80 ng/ul m** 09/03/21 JU

**response 83059**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 194.00 | 155.20# |
| 56.00 | 127.40 | 125.32 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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**Instrument :**
BNA_M
**ClientSampleId :**
SLCS690

**Manual Integrations APPROVED**
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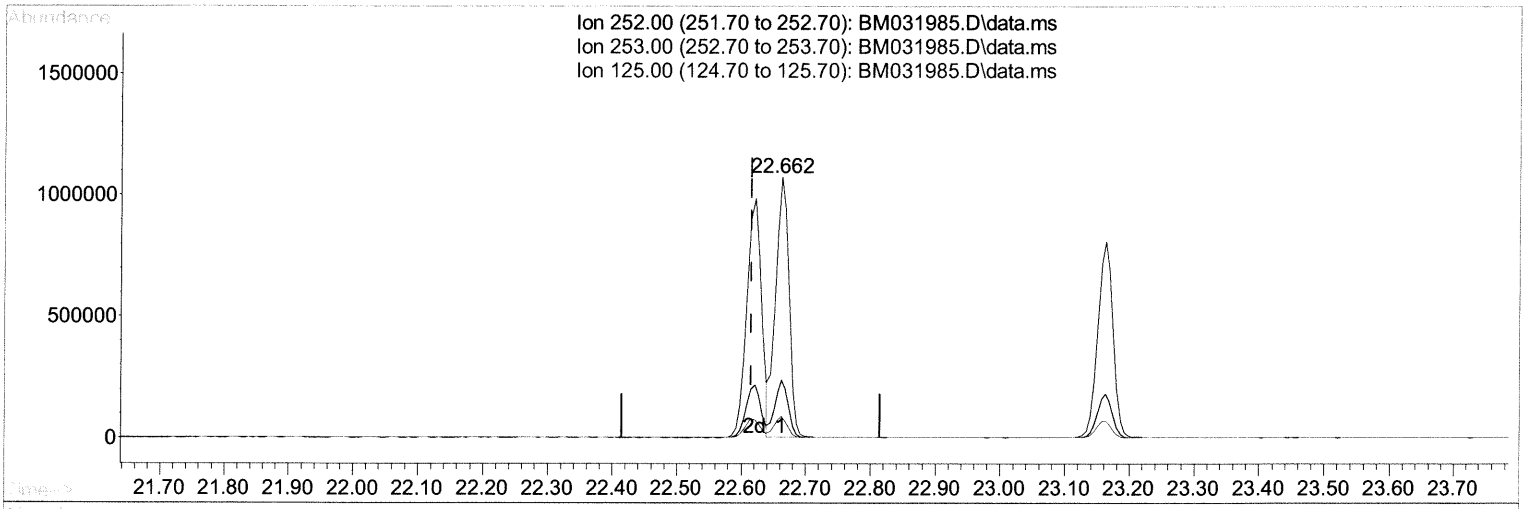


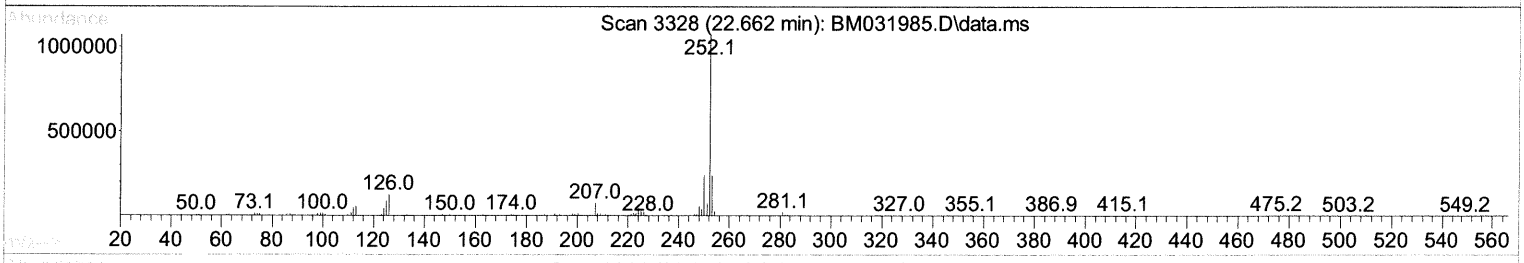


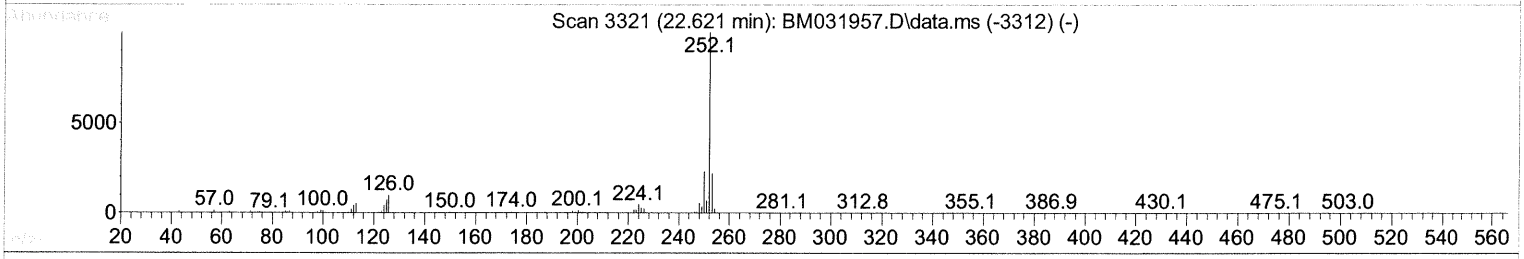


TIC: BM031985.D\data.ms

**(90) Benzo(b)fluoranthene**

**22.662min (+ 0.047) 53.52 ng/ul**

**response 1570736**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.20 | 22.00 |
| 125.00 | 9.60 | 8.07 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Acq On : 31 Aug 2021 14:24
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Sample : PB138690BS
Misc :
ALS Vial : 45 Sample Multiplier: 1

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QLast Update : Mon Aug 30 09:21:30 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS690

**Manual Integrations APPROVED**
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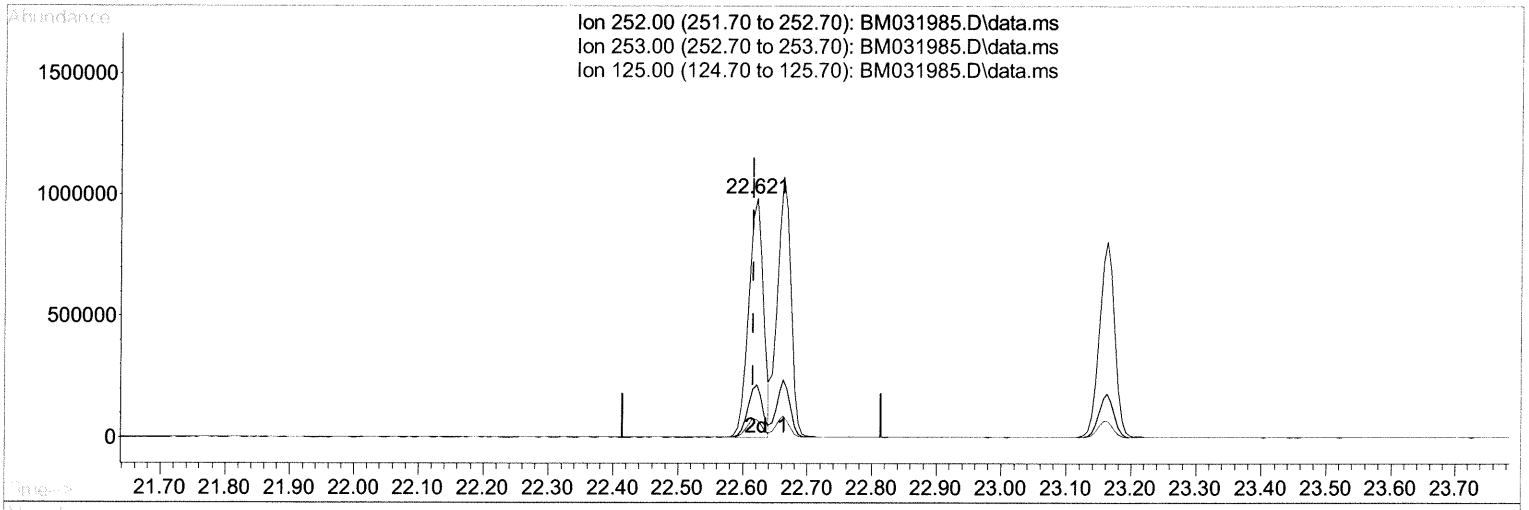


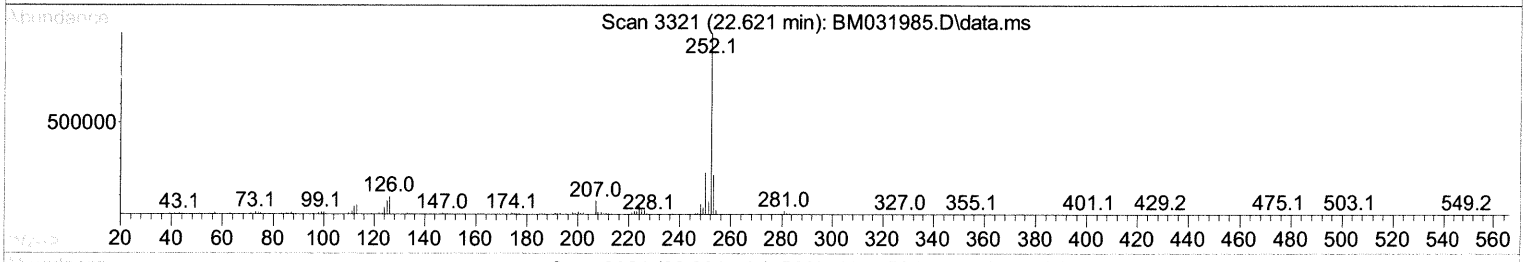


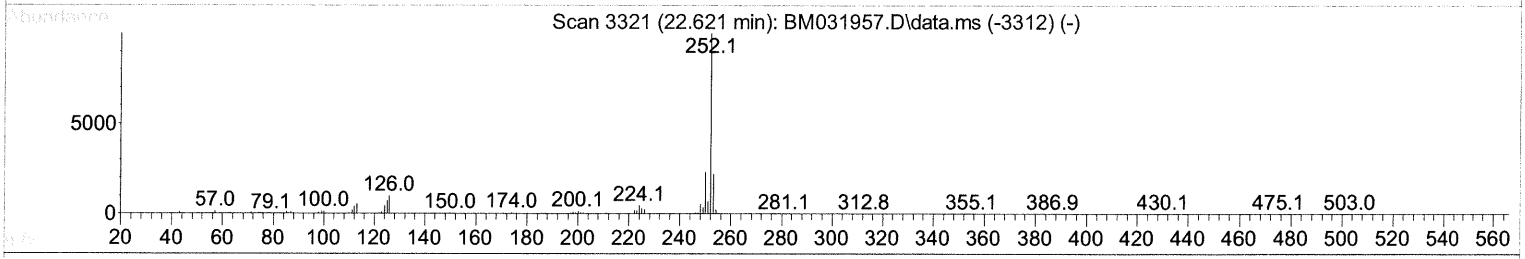


TIC: BM031985.D\data.ms

**(90) Benzo(b)fluoranthene**

**22.621min (+ 0.006) 53.39 ng/ul m** CG 9/03/21 JU

**response 1566772**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.20 | 21.85 |
| 125.00 | 9.60 | 7.37# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM083021\
Data File : BM031985.D
Acq On : 31 Aug 2021 14:24
Operator : CG/JU
Sample : PB138690BS
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Aug 31 15:02:27 2021
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Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS690

**Manual Integrations APPROVED**
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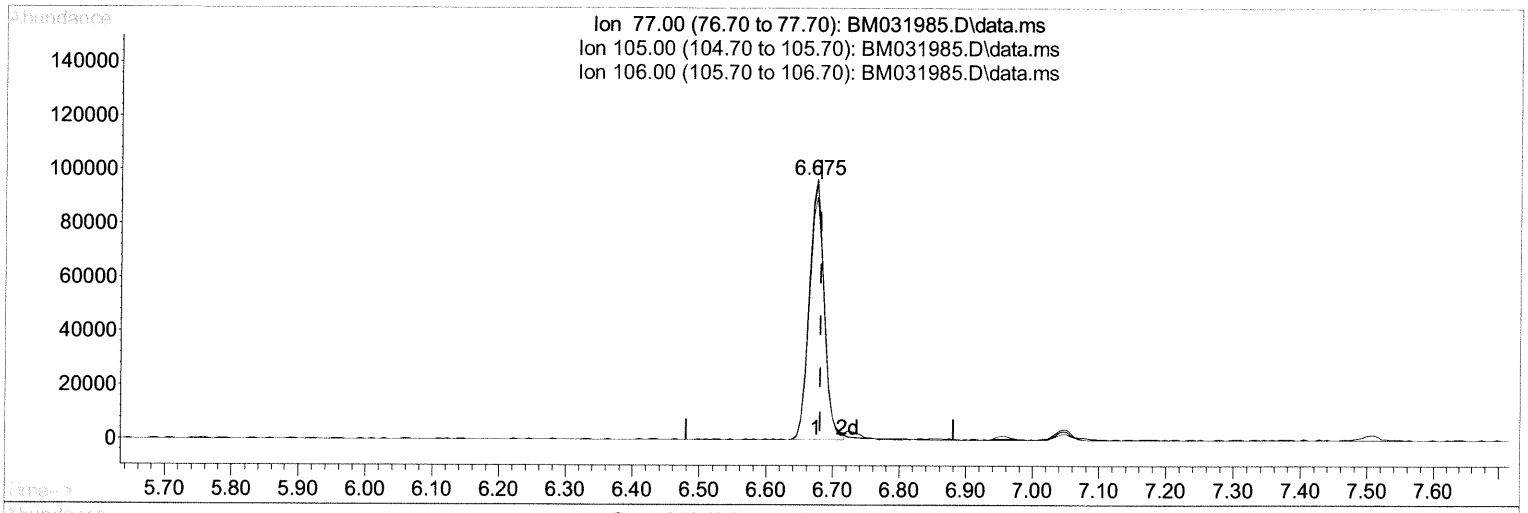


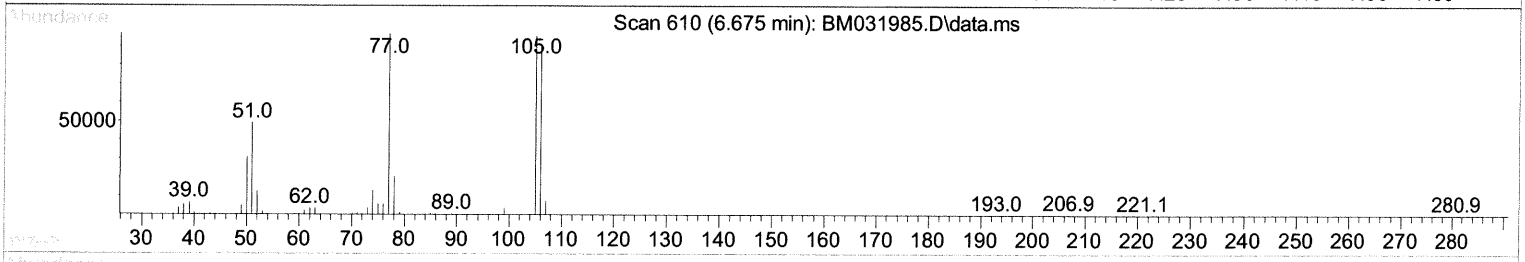


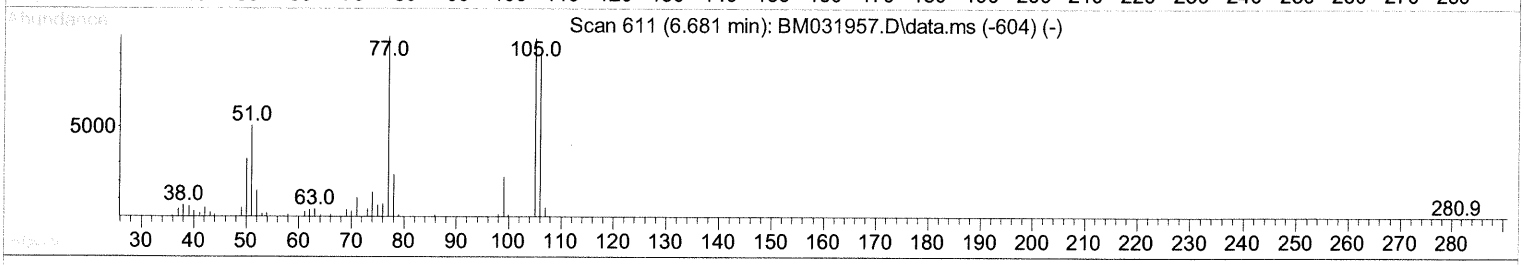


TIC: BM031985.D\data.ms

**(6) Benzaldehyde**

**6.675min (-0.006) 54.35 ng/ul**

**response 153650**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 102.80 | 98.56 |
| 106.00 | 93.70 | 92.94 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Sample : PB138690BS
Misc :
ALS Vial : 45 Sample Multiplier: 1

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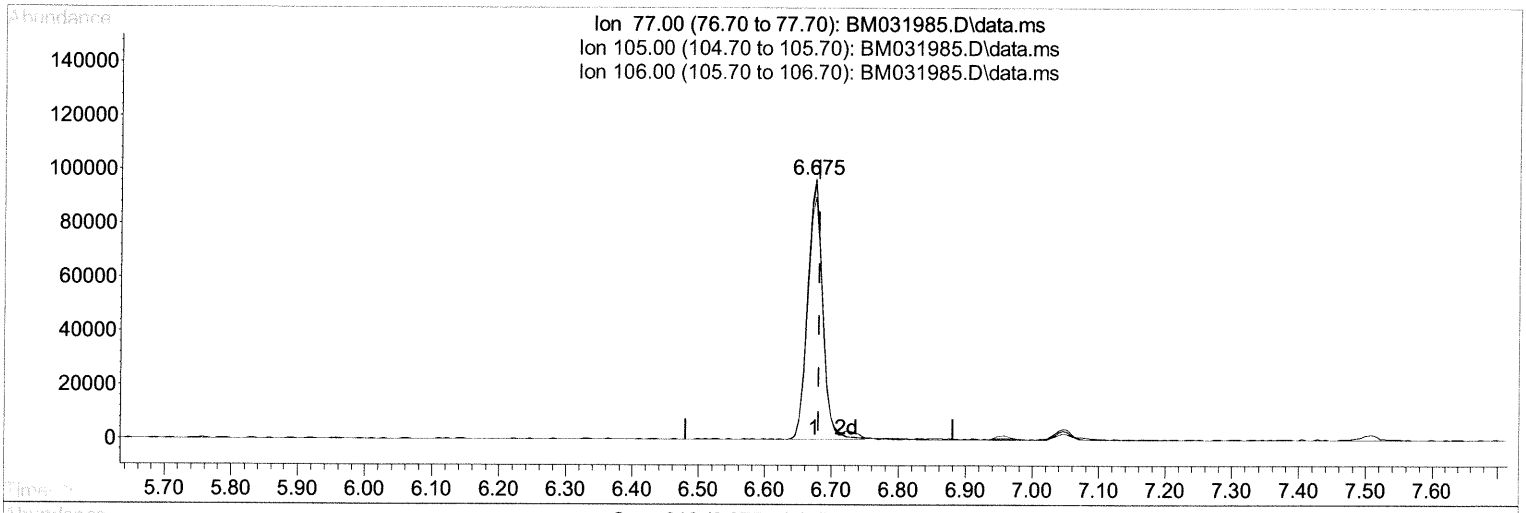
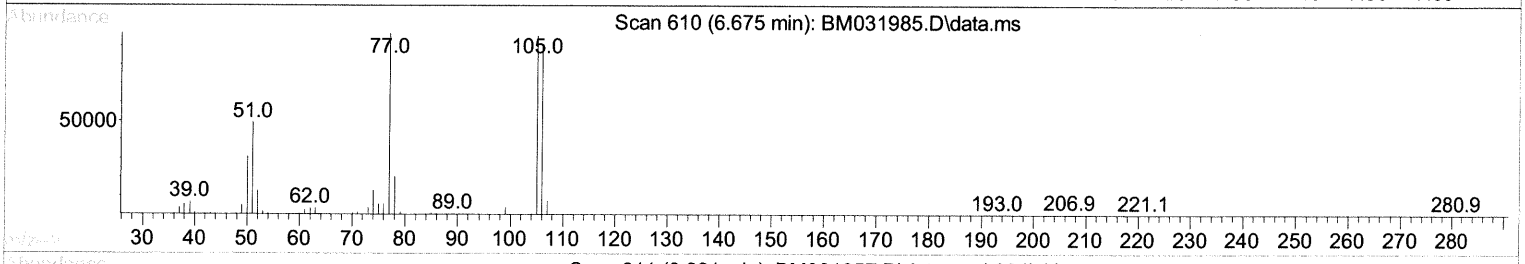
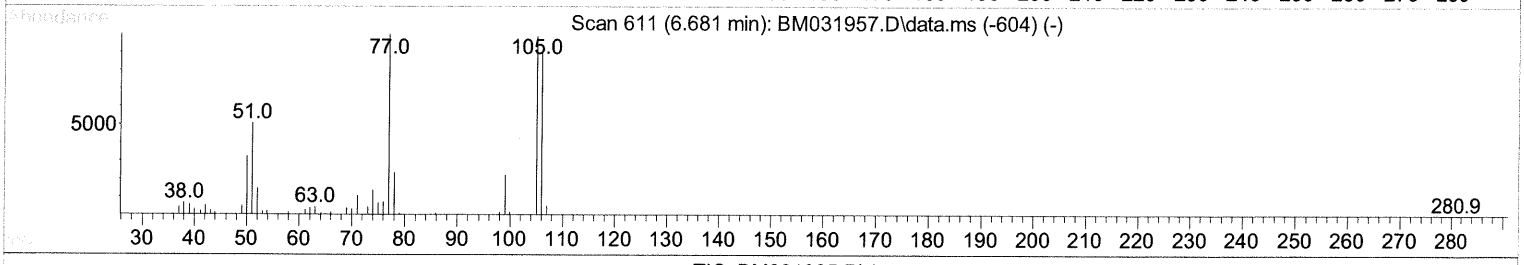
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS690

**Manual Integrations APPROVED**
mohammad
9/1/2021 4:02:55 PM




TIC: BM031985.D\data.ms

**(6) Benzaldehyde**

**6.675min (-0.006) 55.87 ng/ul m** 09/03/21 JU

**response 157923**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 102.80 | 98.56 |
| 106.00 | 93.70 | 92.94 |
| 0.00 | 0.00 | 0.00 |

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**ClientSampleId :** SLCS690

**Manual Integrations APPROVED**
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9/1/2021 4:02:55 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.504 | 152 | 75302 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.263 | 136 | 331657 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.145 | 164 | 251744 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.904 | 188 | 550500 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.115 | 240 | 563797 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 23.250 | 264 | 460612 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.128 | 96 | 12364 | 7.576 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.522 | 84 | 178545 | 38.525 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.704 | 99 | 263443 | 42.189 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.863 | 67 | 144394 | 39.966 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.045 | 132 | 213392 | 44.409 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.222 | 113 | 223372 | 41.695 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.657 | 128 | 105927 | 43.973 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.369 | 143 | 128264 | 44.991 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.898 | 165 | 256052 | 44.766 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.416 | 131 | 317022 | 39.292 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.574 | 166 | 808988 | 42.469 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.833 | 160 | 998664 | 44.268 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.392 | 143 | 145839 | 42.297 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.151 | 176 | 721223 | 43.071 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.298 | 200 | 149091 | 39.415 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.004 | 188 | 1186257 | 45.399 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.309 | 212 | 1352600 | 51.220 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.121 | 264 | 1126830 | 46.548 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.163 | 88 | 27982 | 14.221 | ng/uL | 88 |
| 5) Pyridine | 3.540 | 79 | 195958 | 41.128 | ng/ul | 89 |
| 6) Benzaldehyde | 6.675 | 77 | 157923m | 55.866 | ng/ul | 09/03/21 JU |
| 8) Phenol | 6.728 | 94 | 290456 | 46.225 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 6.957 | 93 | 205703 | 42.983 | ng/ul | 91 |
| 12) 2-Chlorophenol | 7.075 | 128 | 231733 | 48.295 | ng/ul | 98 |
| 13) 2-Methylphenol | 7.957 | 108 | 217879 | 44.972 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.034 | 45 | 265025 | 42.613 | ng/ul# | 93 |
| 16) Acetophenone | 8.328 | 105 | 359637 | 42.862 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.322 | 70 | 185507 | 45.318 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.287 | 108 | 242276 | 45.033 | ng/ul | 96 |
| 19) Hexachloroethane | 8.551 | 117 | 95351 | 46.389 | ng/ul | 89 |
| 22) Nitrobenzene | 8.698 | 77 | 276943 | 45.538 | ng/ul | 99 |
| 23) Isophorone | 9.222 | 82 | 509360 | 45.507 | ng/ul# | 95 |
| 25) 2-Nitrophenol | 9.398 | 139 | 145439 | 48.973 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.469 | 107 | 288882 | 47.786 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 9.704 | 93 | 303198 | 45.697 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 9.922 | 162 | 266580 | 48.999 | ng/ul | 98 |
| 30) Naphthalene | 10.316 | 128 | 756719 | 45.577 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.439 | 127 | 338280 | 42.030 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.586 | 225 | 166024 | 45.999 | ng/ul | 98 |
| 34) Caprolactam | 11.251 | 113 | 83059m | 45.801 | ng/ul | 09/03/21 JU |
| 35) 4-Chloro-3-methylphenol | 11.575 | 107 | 282182 | 49.459 | ng/ul | 99 |

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**Instrument :** BNA_M
**ClientSampleId :** SLCS690

**Manual Integrations APPROVED**
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9/1/2021 4:02:55 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.933 | 142 | 598910 | 45.750 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.157 | 142 | 580250 | 43.517 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.310 | 216 | 342598 | 47.409 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.275 | 237 | 155907 | 40.083 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.563 | 196 | 237102 | 48.977 | ng/ul | 100 |
| 42) 2,4,5-Trichlorophenol | 12.639 | 196 | 262677 | 49.965 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 12.969 | 154 | 818297 | 46.211 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.010 | 162 | 645705 | 46.027 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.239 | 65 | 192610 | 49.834 | ng/ul | 95 |
| 47) Dimethylphthalate | 13.621 | 163 | 867901 | 46.401 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.751 | 165 | 189665 | 51.399 | ng/ul | 92 |
| 50) Acenaphthylene | 13.869 | 152 | 974442 | 46.943 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.080 | 138 | 182315 | 52.796 | ng/ul | 93 |
| 52) Acenaphthene | 14.210 | 153 | 701939 | 46.561 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.298 | 184 | 104230 | 40.399 | ng/ul | 92 |
| 55) 4-Nitrophenol | 14.410 | 109 | 147680 | 46.394 | ng/ul | 83 |
| 56) Dibenzofuran | 14.551 | 168 | 1039666 | 46.762 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.545 | 165 | 279740 | 50.546 | ng/ul# | 83 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.786 | 232 | 235555 | 49.911 | ng/ul | 98 |
| 59) Diethylphthalate | 14.998 | 149 | 914695 | 47.848 | ng/ul | 99 |
| 61) Fluorene | 15.204 | 166 | 890167 | 47.319 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.210 | 204 | 453216 | 47.040 | ng/ul | 100 |
| 63) 4-Nitroaniline | 15.257 | 138 | 186550 | 60.309 | ng/ul# | 85 |
| 66) 4,6-Dinitro-2-methylph... | 15.315 | 198 | 157875 | 42.924 | ng/ul# | 95 |
| 67) N-Nitrosodiphenylamine | 15.427 | 169 | 783906 | 49.586 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.104 | 248 | 278593 | 49.384 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.204 | 284 | 322422 | 49.226 | ng/ul | 100 |
| 70) Atrazine | 16.398 | 200 | 302808 | 50.837 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.557 | 266 | 202839 | 47.357 | ng/ul | 98 |
| 72) Phenanthrene | 16.945 | 178 | 1447677 | 48.149 | ng/ul | 99 |
| 74) Anthracene | 17.039 | 178 | 1495458 | 48.599 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 12.927 | 216 | 348480 | 48.645 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.468 | 250 | 353235 | 47.002 | ng/uL | 98 |
| 77) Carbazole | 17.321 | 167 | 1323601 | 46.999 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.892 | 149 | 1676073 | 51.937 | ng/ul | 99 |
| 80) Fluoranthene | 18.974 | 202 | 1755931 | 54.721 | ng/ul# | 94 |
| 82) Pyrene | 19.339 | 202 | 1830295 | 53.874 | ng/ul | 95 |
| 83) Butylbenzylphthalate | 20.262 | 149 | 780804 | 58.531 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.045 | 252 | 536900 | 42.300 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.097 | 228 | 1733024 | 49.416 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.045 | 149 | 1251117 | 58.153 | ng/ul# | 97 |
| 87) Chrysene | 21.150 | 228 | 1661519 | 49.256 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 21.903 | 149 | 2102018 | 66.892 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.621 | 252 | 1566772m | 53.388 | ng/ul | 09/03/21 JU |
| 91) Benzo(k)fluoranthene | 22.662 | 252 | 1570736 | 55.287 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.162 | 252 | 1335239 | 50.385 | ng/ul# | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 25.362 | 276 | 1495472 | 44.092 | ng/ul | 95 |
| 95) Dibenzo(a,h)anthracene | 25.374 | 278 | 1285101 | 45.052 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 26.003 | 276 | 1207508 | 42.994 | ng/ul | 96 |

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