Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
Data File : BN015912.D
Acq On : 17 Aug 2021 23:35
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 01:11:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
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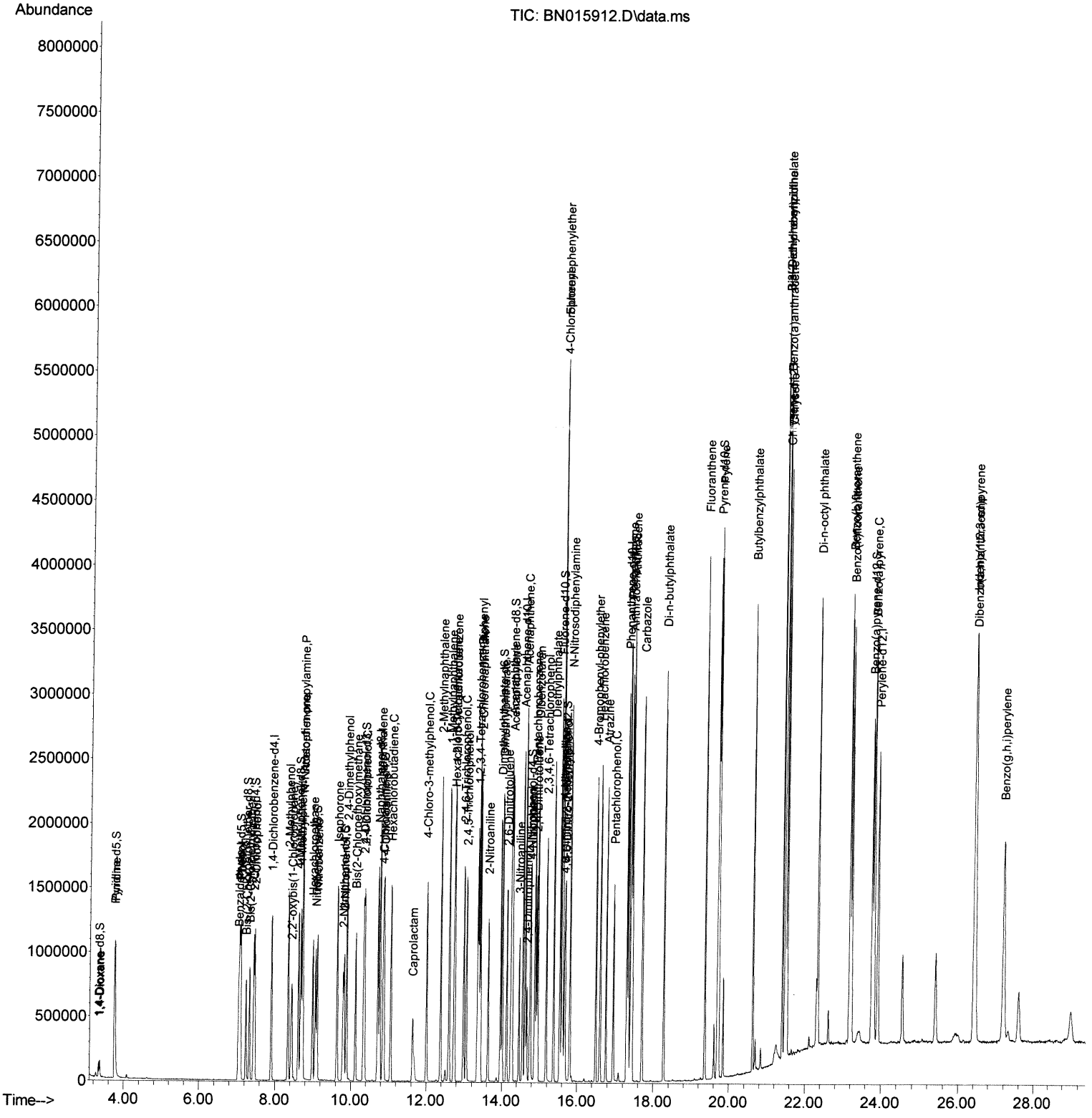

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
Data File : BN015912.D
Acq On : 17 Aug 2021 23:35
Operator : CG/JU
Sample : SSTDCCC020
Misc :
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Quant Time: Aug 18 01:11:12 2021
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
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**Instrument :**
BNA_N
**LabSampleId :**
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**Manual Integrations APPROVED**
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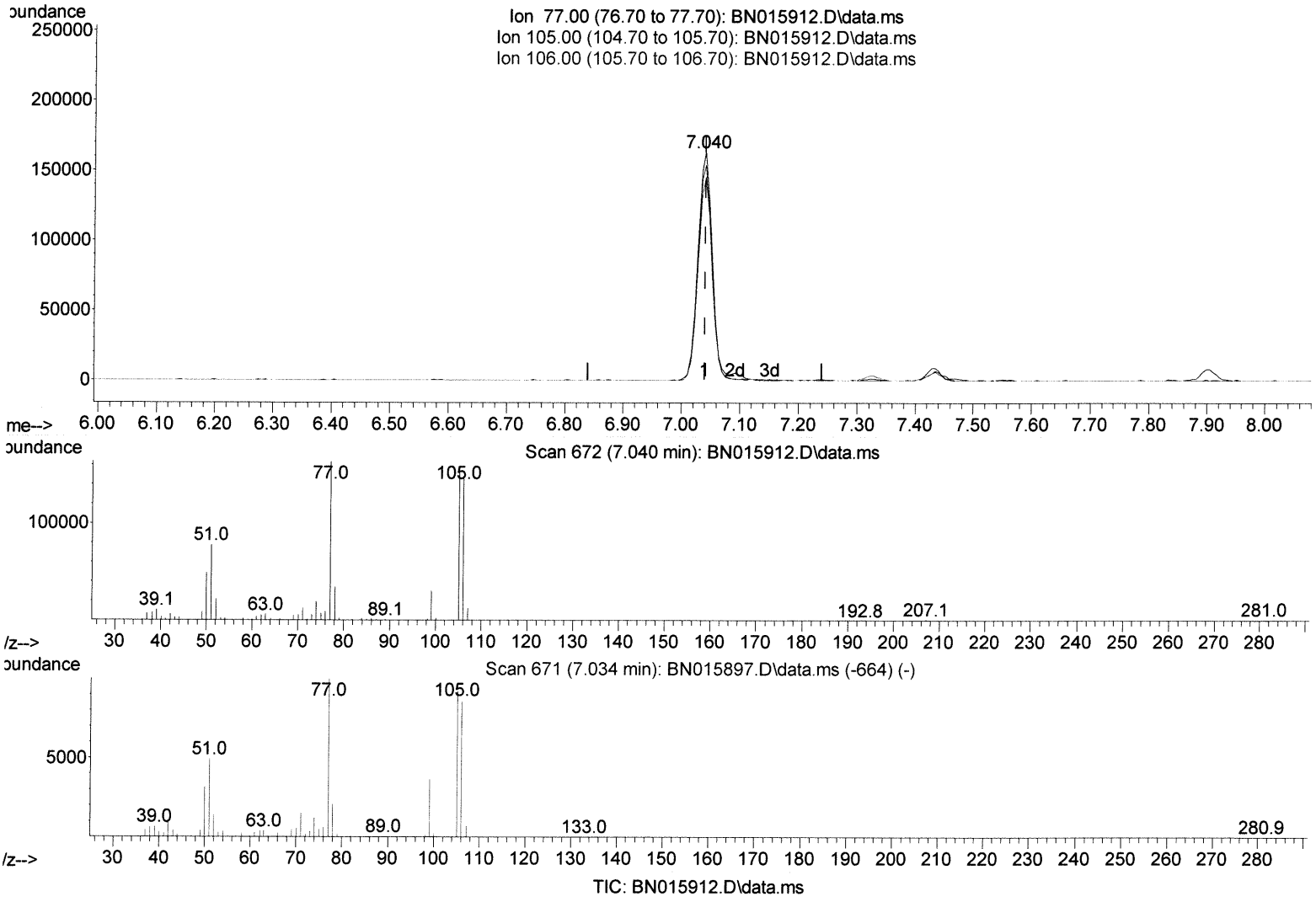
8/19/2021 1:25:17 PM




**(6) Benzaldehyde**

**7.040min (-0.000) 17.50 ng/ul**

**response 274844**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 91.70 | 94.12 |
| 106.00 | 87.90 | 89.02 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
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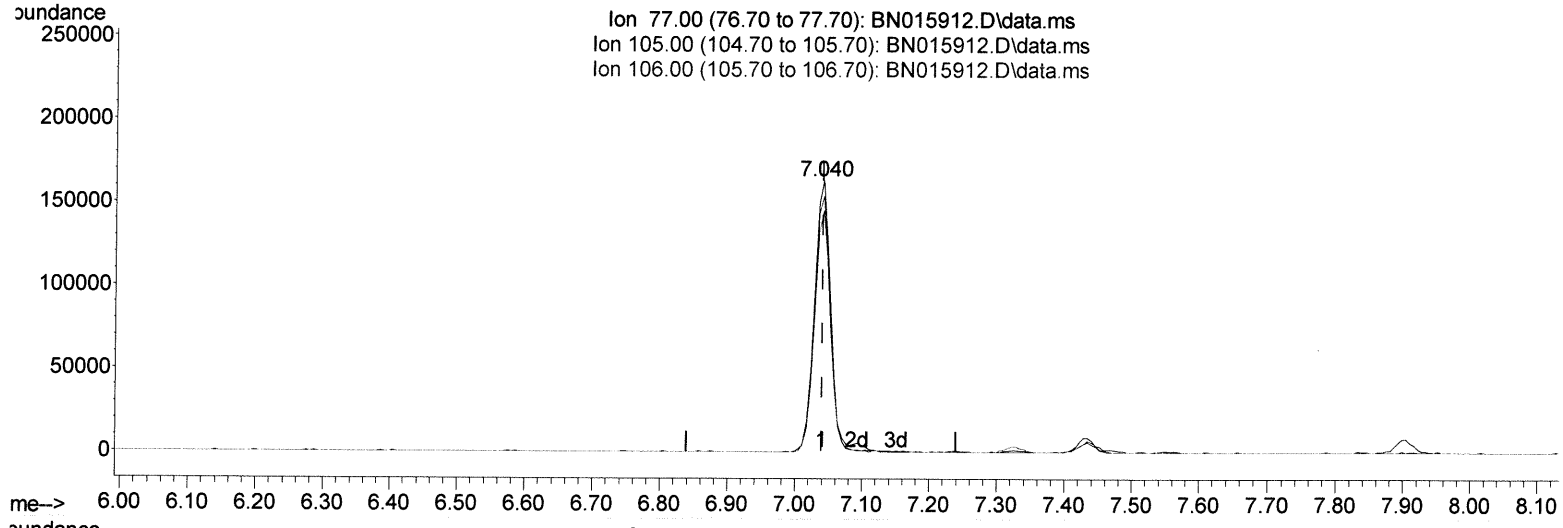
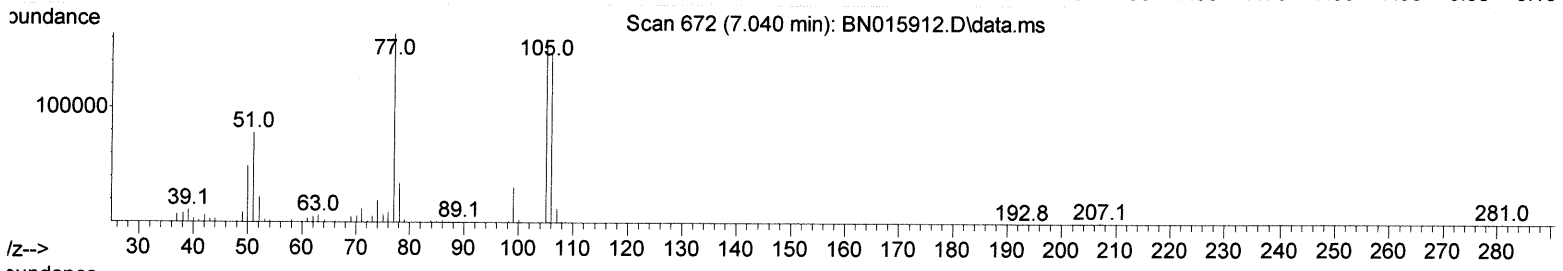
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

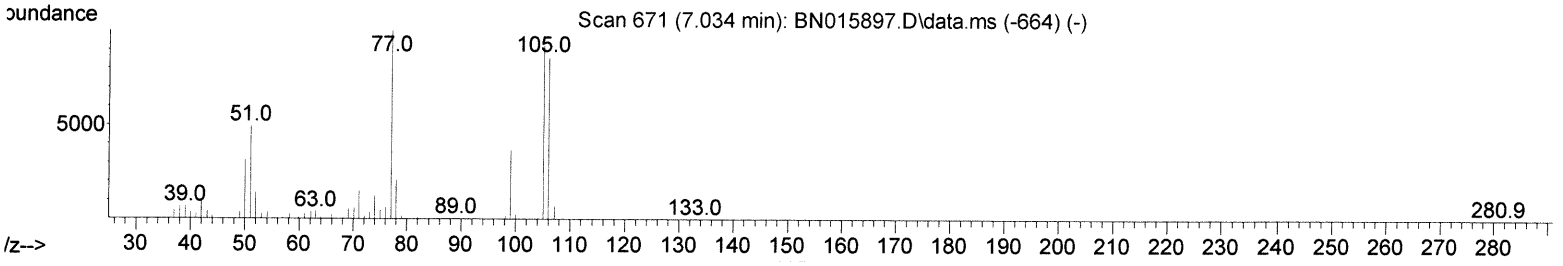
Quant Time: Aug 18 01:11:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
mohammad
8/19/2021 1:25:17 PM




TIC: BN015912.D\data.ms

**(6) Benzaldehyde**

7.040min (-0.000) 17.95 ng/ul m JU 8/19/21

response 281845

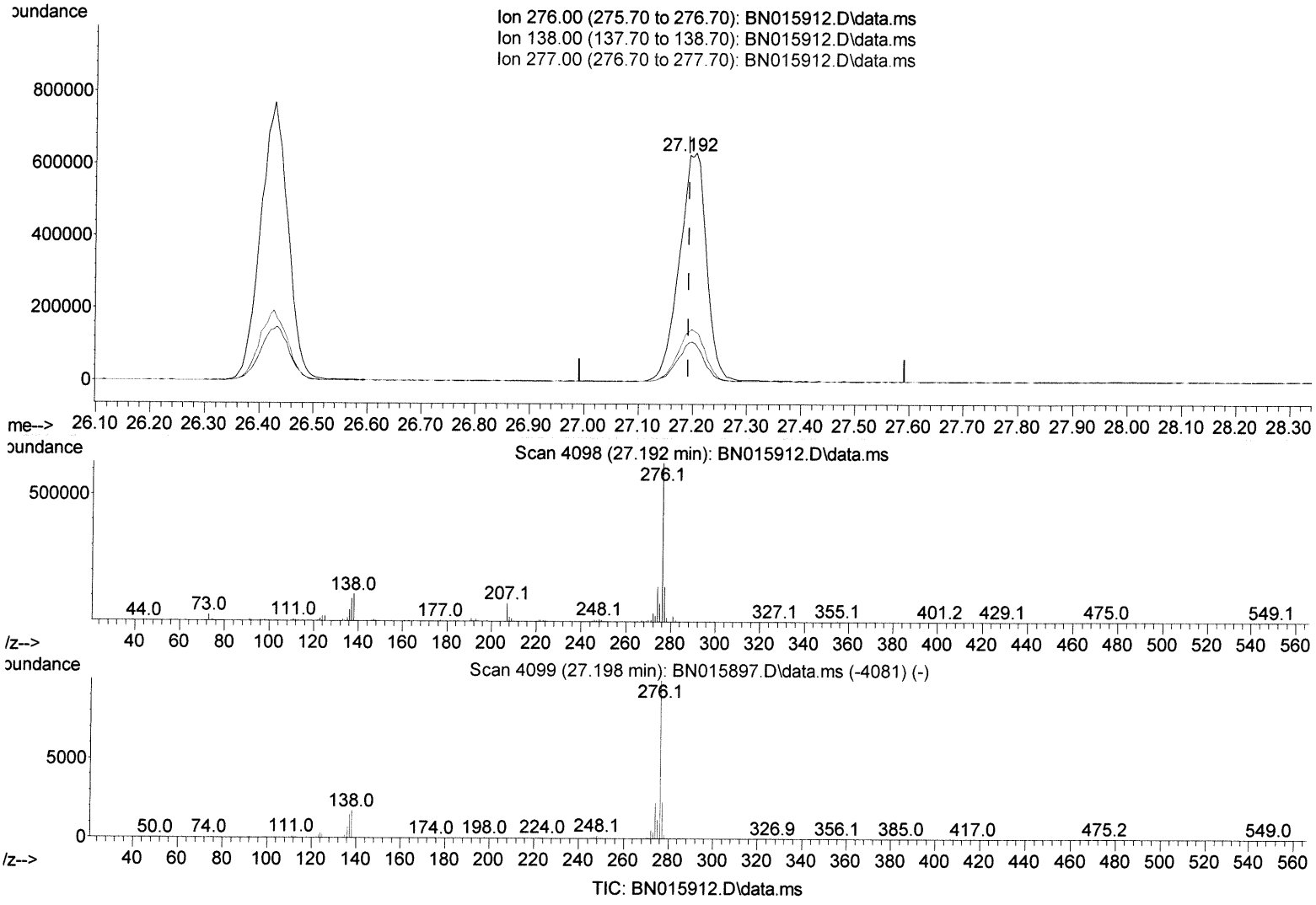
| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 91.70 | 94.12 |
| 106.00 | 87.90 | 89.02 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
Data File : BN015912.D
Acq On : 17 Aug 2021 23:35
Operator : CG/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 01:11:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
mohammad
8/19/2021 1:25:17 PM




(96) Benzo(g,h,i)perylene

27.192min (-0.000) 11.53 ng/ul

response 1197453

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.70 | 16.96 |
| 277.00 | 23.10 | 21.92 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 01:11:12 2021
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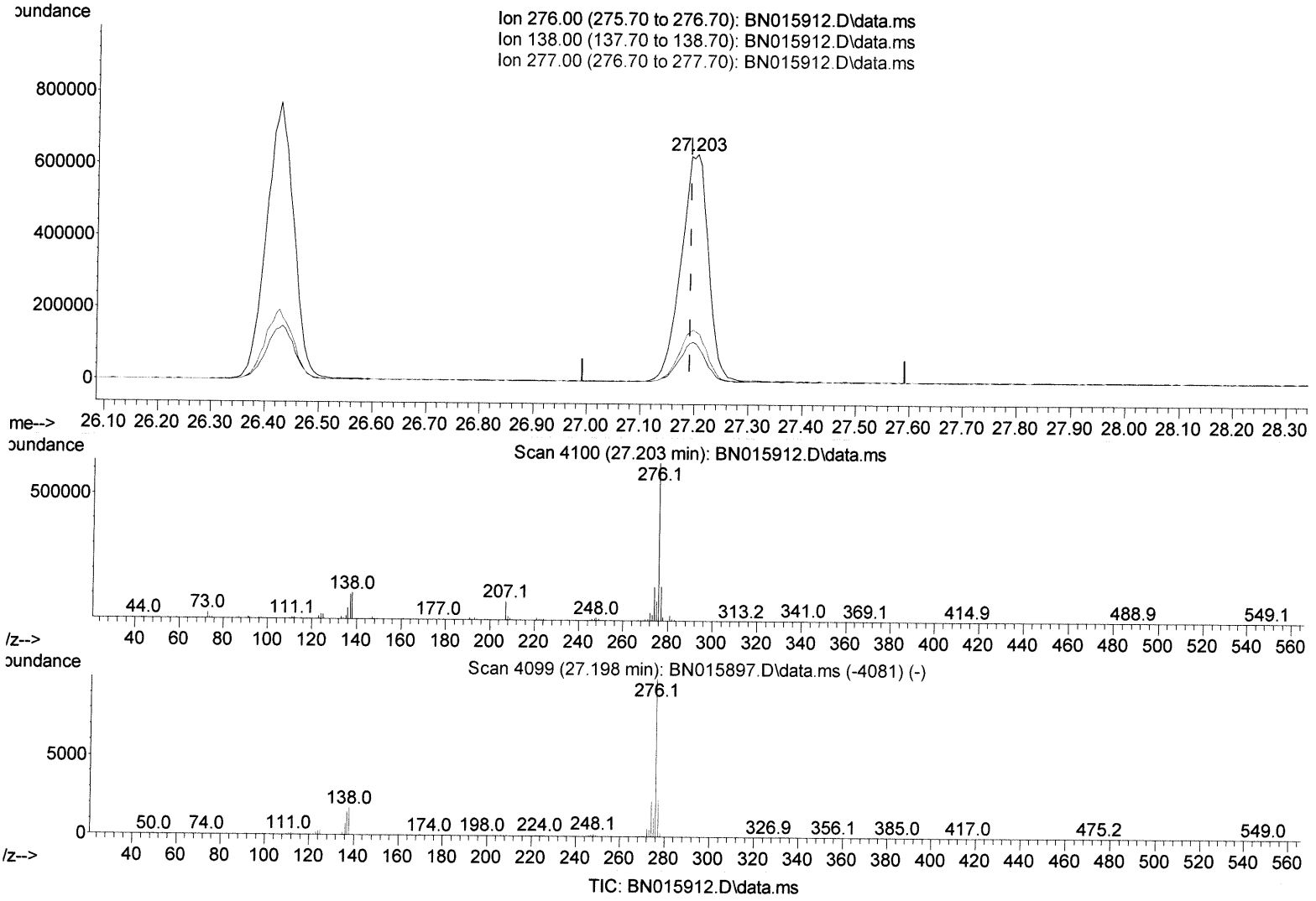
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTDCCC020

**Manual Integrations APPROVED**
mohammad
8/19/2021 1:25:17 PM




(96) Benzo(g,h,i)perylene

27.203min (+ 0.012) 21.35 ng/ul m JG 8/19/21

response 2218392

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 16.70 | 16.55 |
| 277.00 | 23.10 | 21.87 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081721\
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
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**Instrument :** BNA_N
**LabSampleId :** SSTDCCC020

**Manual Integrations APPROVED**
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8/19/2021 1:25:17 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.904 | 152 | 337432 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.716 | 136 | 1380625 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.551 | 164 | 859013 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.298 | 188 | 1795506 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.486 | 240 | 1705435 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.910 | 264 | 1702793 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.334 | 96 | 65580 | 7.571 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.746 | 84 | 462837 | 19.117 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.063 | 99 | 595452 | 19.509 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.234 | 67 | 364821 | 19.413 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.434 | 132 | 474209 | 21.834 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.616 | 113 | 482238 | 20.313 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 9.069 | 128 | 229820 | 22.617 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.793 | 143 | 247984 | 26.075 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.334 | 165 | 467834 | 22.733 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.846 | 131 | 631390 | 20.155 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.957 | 166 | 1342029 | 21.317 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.245 | 160 | 1631723 | 20.696 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.745 | 143 | 235801 | 21.177 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.545 | 176 | 1181110 | 21.508 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.657 | 200 | 208211 | 21.714 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.398 | 188 | 1732662 | 20.588 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.692 | 212 | 1973659 | 21.486 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.751 | 264 | 1995449 | 21.674 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.369 | 88 | 67775 | 7.611 | ng/uL | 96 |
| 5) Pyridine | 3.764 | 79 | 474784 | 19.021 | ng/ul | 97 |
| 6) Benzaldehyde | 7.040 | 77 | 281845m | 17.946 | ng/ul | |
| 8) Phenol | 7.093 | 94 | 637564 | 20.490 | ng/ul | 93 |
| 10) Bis(2-Chloroethyl)ether | 7.322 | 93 | 502414 | 20.610 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.463 | 128 | 476504 | 21.345 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.346 | 108 | 463081 | 20.317 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.434 | 45 | 614950 | 19.754 | ng/ul | 99 |
| 16) Acetophenone | 8.728 | 105 | 774415 | 20.214 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.716 | 70 | 395046 | 21.117 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.675 | 108 | 502973 | 20.619 | ng/ul | 87 |
| 19) Hexachloroethane | 8.987 | 117 | 216683 | 21.374 | ng/ul | 92 |
| 22) Nitrobenzene | 9.110 | 77 | 624042 | 21.718 | ng/ul | 98 |
| 23) Isophorone | 9.634 | 82 | 1097883 | 21.963 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.822 | 139 | 266738 | 25.719 | ng/ul | 100 |
| 26) 2,4-Dimethylphenol | 9.887 | 107 | 586130 | 21.159 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.122 | 93 | 667681 | 21.746 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.357 | 162 | 454364 | 22.393 | ng/ul | 97 |
| 30) Naphthalene | 10.763 | 128 | 1588843 | 21.487 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.875 | 127 | 615004 | 19.885 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.051 | 225 | 345521 | 22.162 | ng/ul | 96 |
| 34) Caprolactam | 11.640 | 113 | 142985 | 22.491 | ng/ul | 88 |
| 35) 4-Chloro-3-methylphenol | 11.998 | 107 | 545629 | 22.702 | ng/ul | 98 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
LabSampleId :
SSTDCCC020

Manual Integrations APPROVED
mohammad
8/19/2021 1:25:17 PM

Quant Time: Aug 18 01:11:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 17 09:43:53 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.375 | 142 | 1081720 | 21.037 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.592 | 142 | 1046705 | 20.451 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.745 | 216 | 592843 | 21.333 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.728 | 237 | 361642 | 20.073 | ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 12.981 | 196 | 369330 | 24.306 | ng/ul | 94 |
| 42) 2,4,5-Trichlorophenol | 13.057 | 196 | 388170 | 23.398 | ng/ul | 95 |
| 43) 1,1'-Biphenyl | 13.387 | 154 | 1405551 | 21.160 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.428 | 162 | 1112565 | 21.692 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.628 | 65 | 349277 | 24.033 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.010 | 163 | 1386476 | 22.217 | ng/ul | 97 |
| 48) 2,6-Dinitrotoluene | 14.128 | 165 | 282195 | 24.969 | ng/ul | 90 |
| 50) Acenaphthylene | 14.269 | 152 | 1642607 | 21.917 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.451 | 138 | 238188 | 19.601 | ng/ul | 97 |
| 52) Acenaphthene | 14.616 | 153 | 1171804 | 21.616 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.657 | 184 | 131546 | 20.948 | ng/ul | 98 |
| 55) 4-Nitrophenol | 14.763 | 109 | 229552 | 21.069 | ng/ul | 95 |
| 56) Dibenzofuran | 14.945 | 168 | 1615143 | 21.551 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.910 | 165 | 407244 | 25.017 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.175 | 232 | 339783 | 24.752 | ng/ul | 95 |
| 59) Diethylphthalate | 15.375 | 149 | 1400724 | 22.446 | ng/ul | 97 |
| 61) Fluorene | 15.598 | 166 | 1307909 | 21.386 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.592 | 204 | 679309 | 21.300 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.616 | 138 | 234794 | 20.166 | ng/ul | 96 |
| 66) 4,6-Dinitro-2-methylph... | 15.675 | 198 | 212358 | 22.266 | ng/ul | 99 |
| 67) N-Nitrosodiphenylamine | 15.810 | 169 | 1109672 | 21.174 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.492 | 248 | 436727 | 22.666 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.604 | 284 | 502305 | 22.309 | ng/ul | 96 |
| 70) Atrazine | 16.763 | 200 | 423436 | 22.276 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.951 | 266 | 256466 | 20.304 | ng/ul | 97 |
| 72) Phenanthrene | 17.339 | 178 | 2108214 | 21.599 | ng/ul | 99 |
| 74) Anthracene | 17.433 | 178 | 2116953 | 21.243 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.351 | 216 | 596507 | 21.092 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.875 | 250 | 587025 | 21.324 | ng/uL | 93 |
| 77) Carbazole | 17.704 | 167 | 1841050 | 21.012 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.275 | 149 | 2327857 | 23.367 | ng/ul | 98 |
| 80) Fluoranthene | 19.357 | 202 | 2490566 | 22.409 | ng/ul | 100 |
| 82) Pyrene | 19.722 | 202 | 2500712 | 21.619 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.621 | 149 | 1017673 | 26.162 | ng/ul | 93 |
| 84) 3,3'-Dichlorobenzidine | 21.404 | 252 | 669854 | 19.181 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.468 | 228 | 2381896 | 21.707 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149 | 1525488 | 24.728 | ng/ul | 96 |
| 87) Chrysene | 21.521 | 228 | 2317563 | 21.815 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.333 | 149 | 2451464 | 22.747 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.174 | 252 | 2377308 | 21.235 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.221 | 252 | 2406337 | 21.589 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.798 | 252 | 2200337 | 21.713 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.427 | 276 | 2687359 | 21.387 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.445 | 278 | 2286608 | 22.043 | ng/ul | 95 |
| 96) Benzo(g,h,i)perylene | 27.203 | 276 | 2218392m | 21.353 | ng/ul | JU 8/19/21 |

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