Quantitation Report (Qedit)

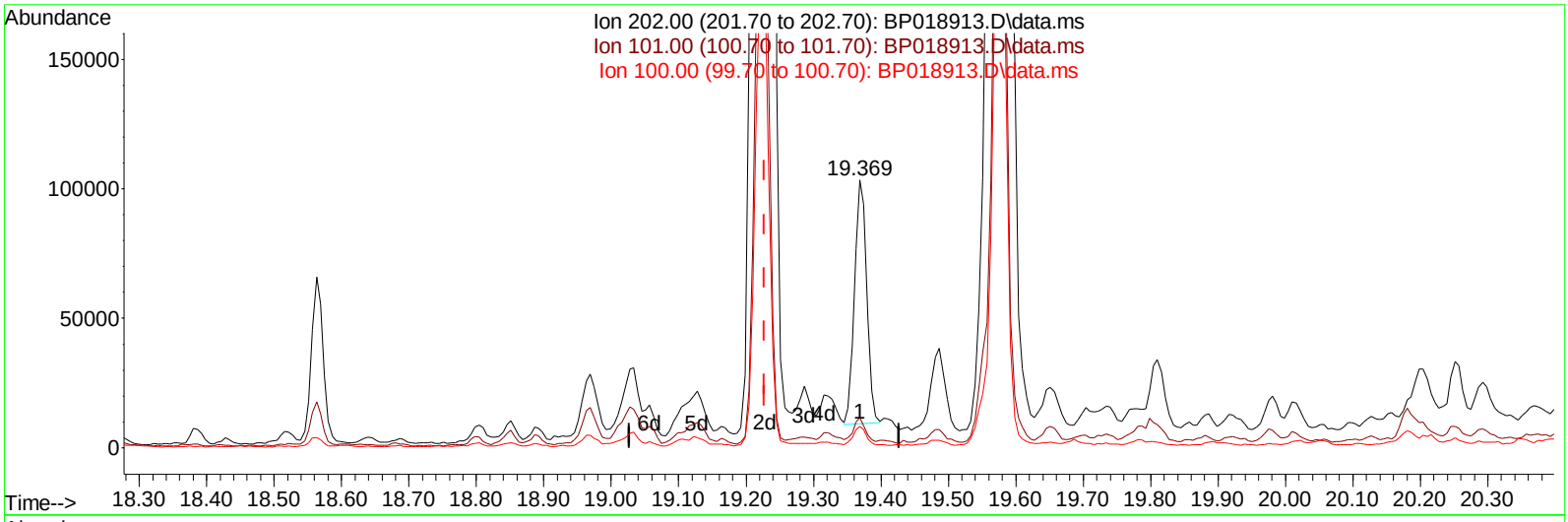
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
Data File : BP018913.D
Acq On : 18 Dec 2023 18:43
Operator : MA/JU
Sample : 05794-22 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

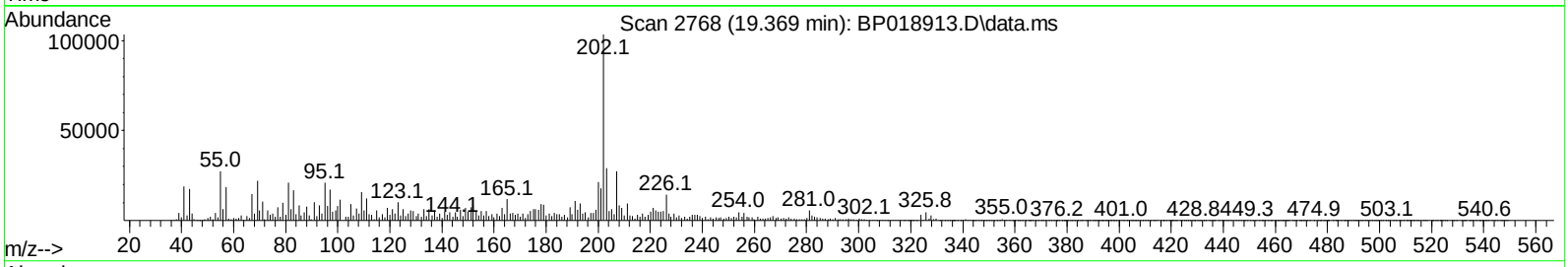
Quant Time: Dec 18 21:42:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

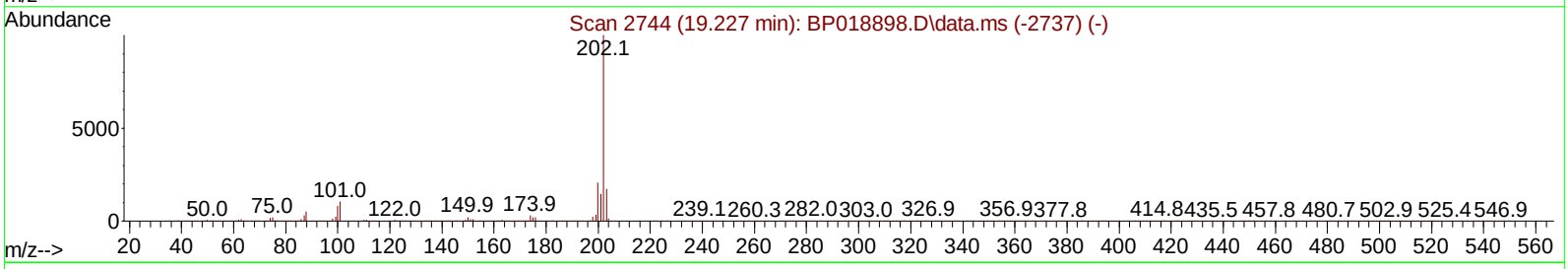
**Instrument :**
BNA_P
**ClientSampleId :**
BGRG3

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023




TIC: BP018913.D\data.ms

**(80) Fluoranthene**

**19.369min (+ 0.141) 1.22 ng/ul**

**response 119100**

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.40 | 11.18 |
| 100.00 | 8.90 | 7.83 |
| 0.00 | 0.00 | 0.00 |

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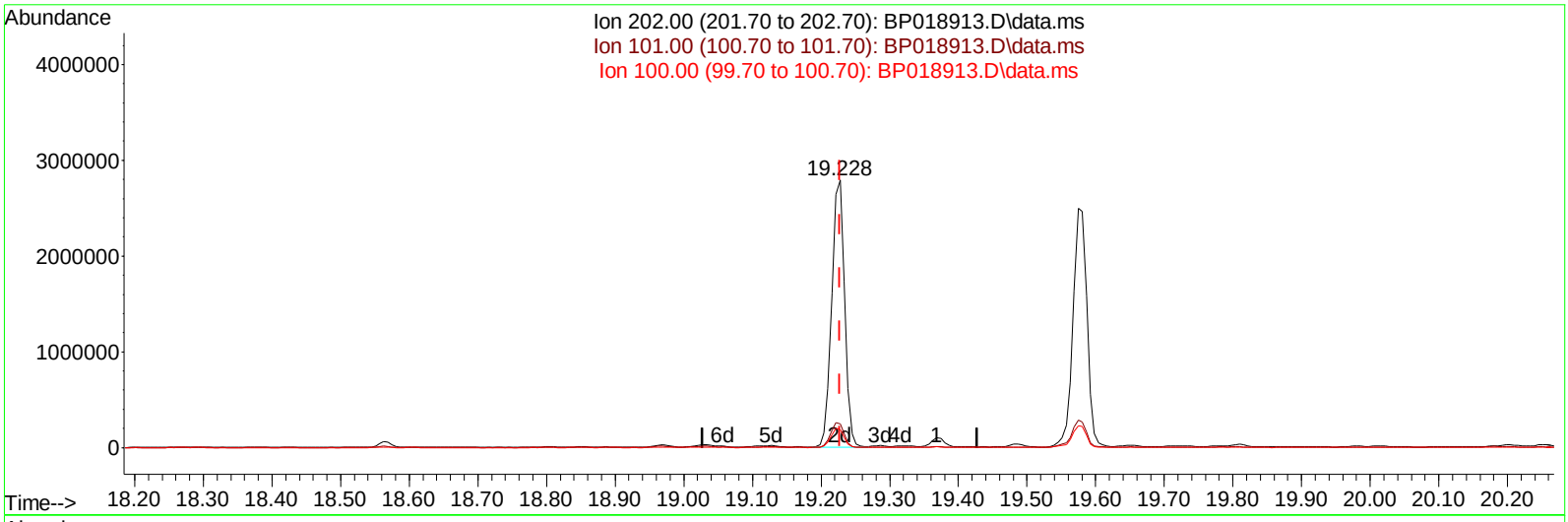


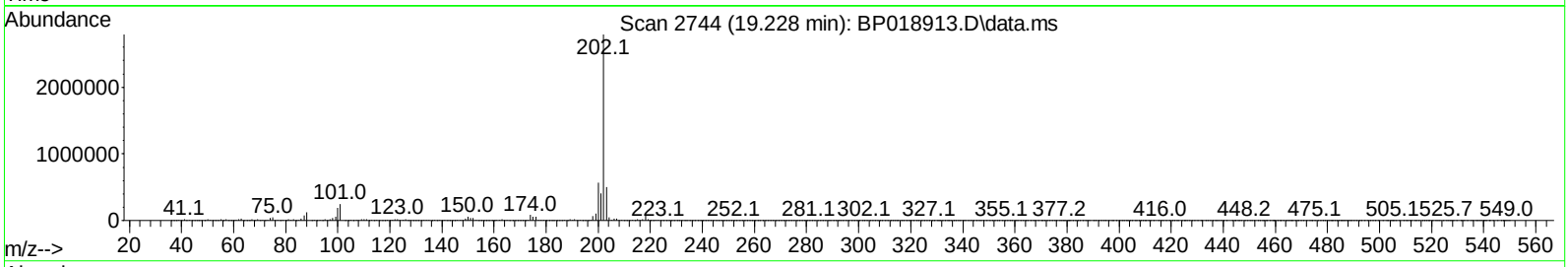


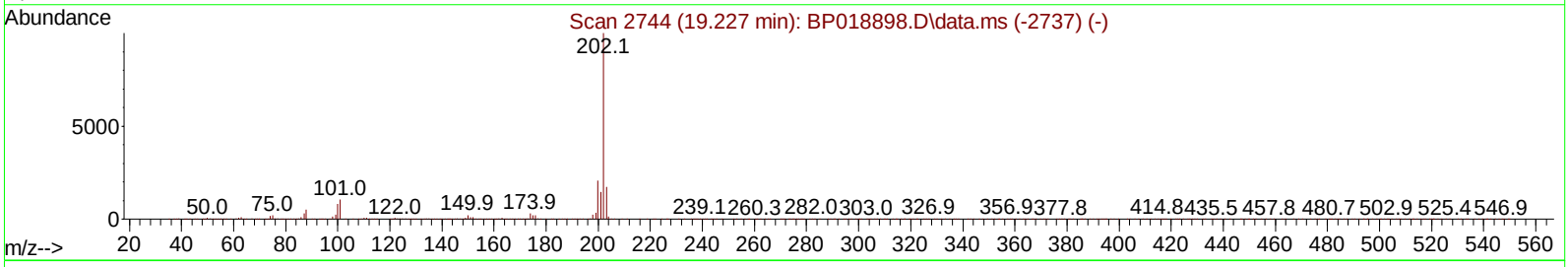


TIC: BP018913.D\data.ms

**(80) Fluoranthene**

**19.228min (+ 0.000) 37.55 ng/ul m**

**response 3668464**

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 11.40 | 8.97# |
| 100.00 | 8.90 | 6.86# |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_P
**ClientSampleId :**
BGRG3

**Manual IntegrationsAPPROVED**

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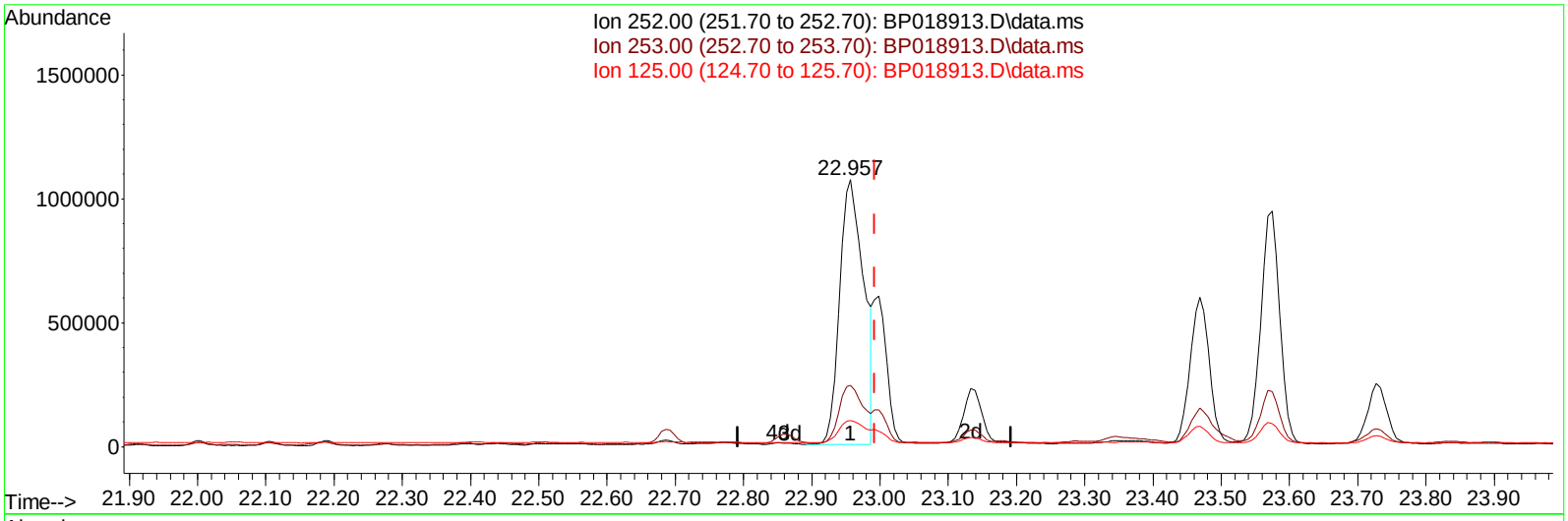


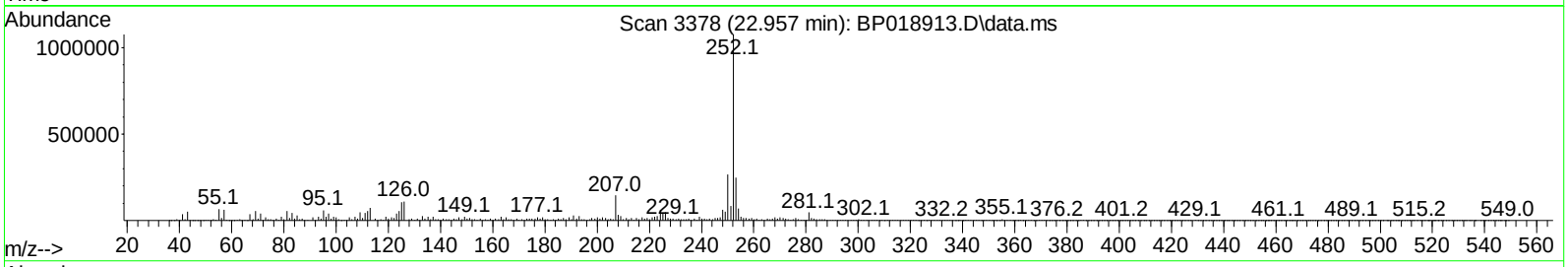


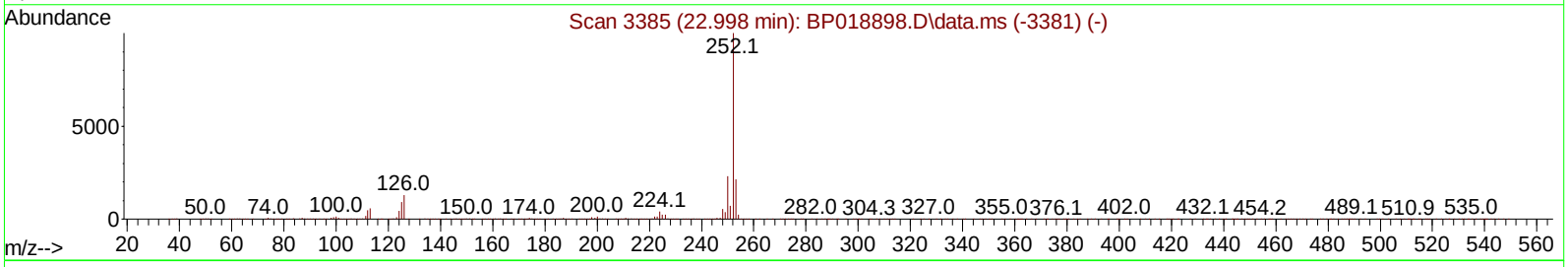


TIC: BP018913.D\data.ms

**(91) Benzo(k)fluoranthene**

**22.957min (-0.035) 28.13 ng/ul**

**response 2623597**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10 | 23.05 |
| 125.00 | 10.00 | 9.83 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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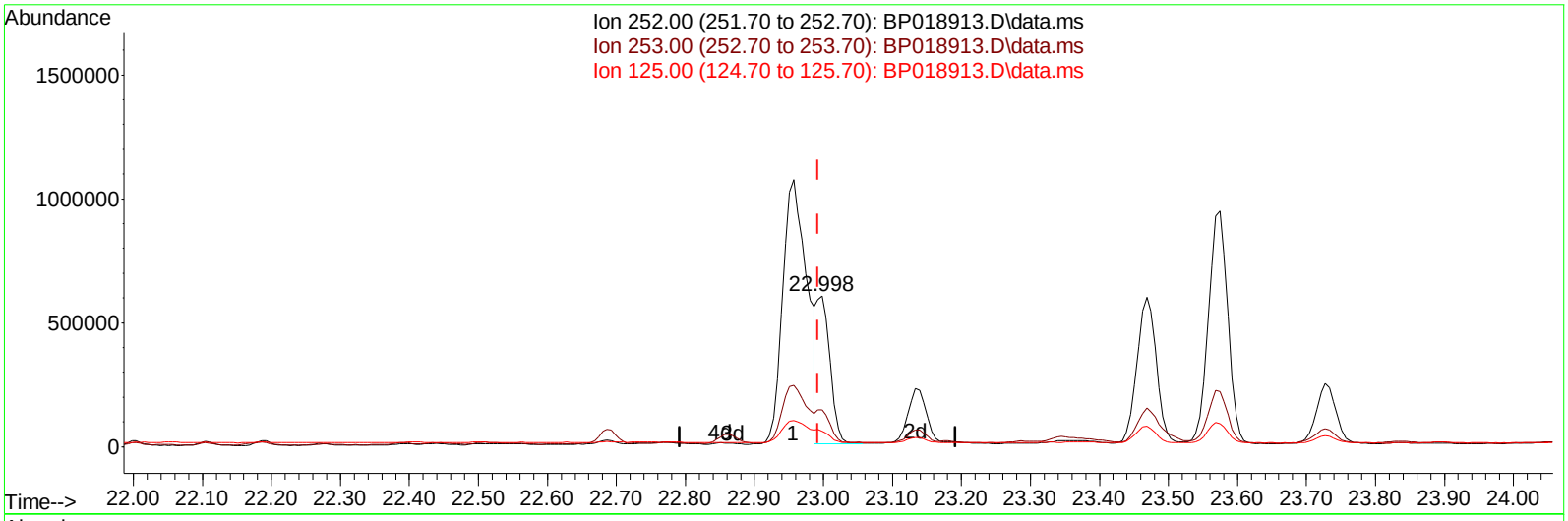
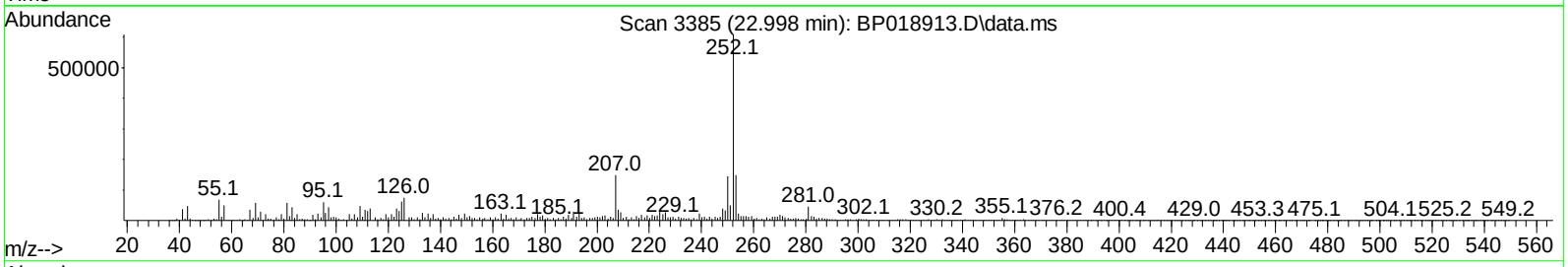
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

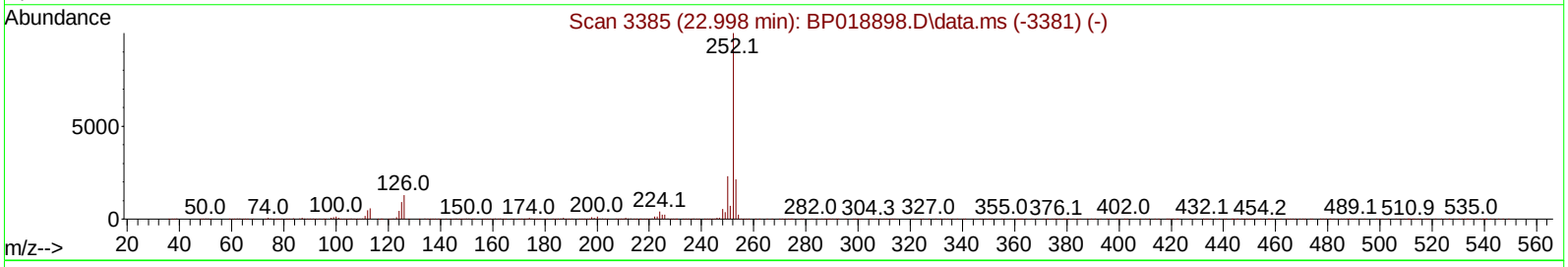
**Instrument :**
BNA_P
**ClientSampleId :**
BGRG3

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023




TIC: BP018913.D\data.ms

**(91) Benzo(k)fluoranthene**

**22.998min (+ 0.006) 8.64 ng/ul m**

**response 806091**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10 | 24.40 |
| 125.00 | 10.00 | 10.30 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Misc :
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**Instrument :**
BNA_P
**ClientSampleId :**
BGRG3

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/20/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.828 | 152 | 208379 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.622 | 136 | 776440 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.457 | 164 | 491669 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 1121809 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.304 | 240 | 1061724 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.674 | 264 | 1307355 | 20.000 | ng/ul | 0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.258 | 96 | 7324 | 1.198 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.687 | 84 | 14600 | 0.891 | ng/ul | 0.01 |
| 7) Phenol-d5 | 6.999 | 99 | 128496 | 6.145 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.164 | 67 | 73986 | 5.969 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.358 | 132 | 102565 | 6.286 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.540 | 113 | 99843 | 5.900 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.987 | 128 | 46971 | 6.797 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.710 | 143 | 49624 | 6.926 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.246 | 165 | 101117 | 6.902 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.769 | 131 | 63866 | 3.336 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.875 | 166 | 311870 | 7.107 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.151 | 160 | 379010 | 7.844 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.675 | 143 | 18056 | 2.507 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.451 | 176 | 303533 | 8.240 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.581 | 200 | 12602 | 1.874 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.310 | 188 | 487499 | 8.266 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.545 | 212 | 569105 | 6.886 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.522 | 264 | 575728 | 7.553 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 8) Phenol | 7.034 | 94 | 21091 | 1.028 | ng/ul | 92 |
| 16) Acetophenone | 8.652 | 105 | 149825 | 5.940 | ng/ul | 100 |
| 30) Naphthalene | 10.675 | 128 | 113807 | 2.416 | ng/ul | 100 |
| 36) 2-Methylnaphthalene | 12.281 | 142 | 53165 | 1.593 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.499 | 142 | 47143 | 1.399 | ng/ul# | 96 |
| 50) Acenaphthylene | 14.181 | 152 | 206308 | 3.798 | ng/ul | 99 |
| 52) Acenaphthene | 14.522 | 153 | 100818 | 2.807 | ng/ul | 97 |
| 56) Dibenzofuran | 14.857 | 168 | 97866 | 1.960 | ng/ul | 96 |
| 61) Fluorene | 15.510 | 166 | 164606 | 4.167 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.510 | 284 | 22422 | 1.418 | ng/ul | 97 |
| 72) Phenanthrene | 17.251 | 178 | 1885618 | 27.831 | ng/ul | 100 |
| 74) Anthracene | 17.345 | 178 | 625111 | 9.205 | ng/ul | 99 |
| 77) Carbazole | 17.616 | 167 | 186457 | 3.445 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.175 | 149 | 119913 | 1.664 | ng/ul | 98 |
| 80) Fluoranthene | 19.228 | 202 | 3668464m | 37.551 | ng/ul | |
| 82) Pyrene | 19.575 | 202 | 3532357 | 35.842 | ng/ul | 94 |
| 85) Benzo(a)anthracene | 21.286 | 228 | 2033275 | 23.594 | ng/ul | 97 |
| 86) Bis(2-ethylhexyl)phtha... | 21.216 | 149 | 55507 | 1.119 | ng/ul# | 89 |
| 87) Chrysene | 21.339 | 228 | 1984084 | 25.001 | ng/ul | 96 |
| 90) Benzo(b)fluoranthene | 22.957 | 252 | 2623597 | 27.218 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 22.998 | 252 | 806091m | 8.643 | ng/ul | |
| 93) Benzo(a)pyrene | 23.574 | 252 | 1829198 | 20.768 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.145 | 276 | 1286110 | 12.221 | ng/ul# | 93 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 95) Dibenzo(a,h)anthracene | 26.157 | 278 | 400209 | 4.572 | ng/ul# | 74 |
| 96) Benzo(g,h,i)perylene | 26.910 | 276 | 409955 | 4.841 | ng/ul# | 92 |

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

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