Quantitation Report (Qedit)

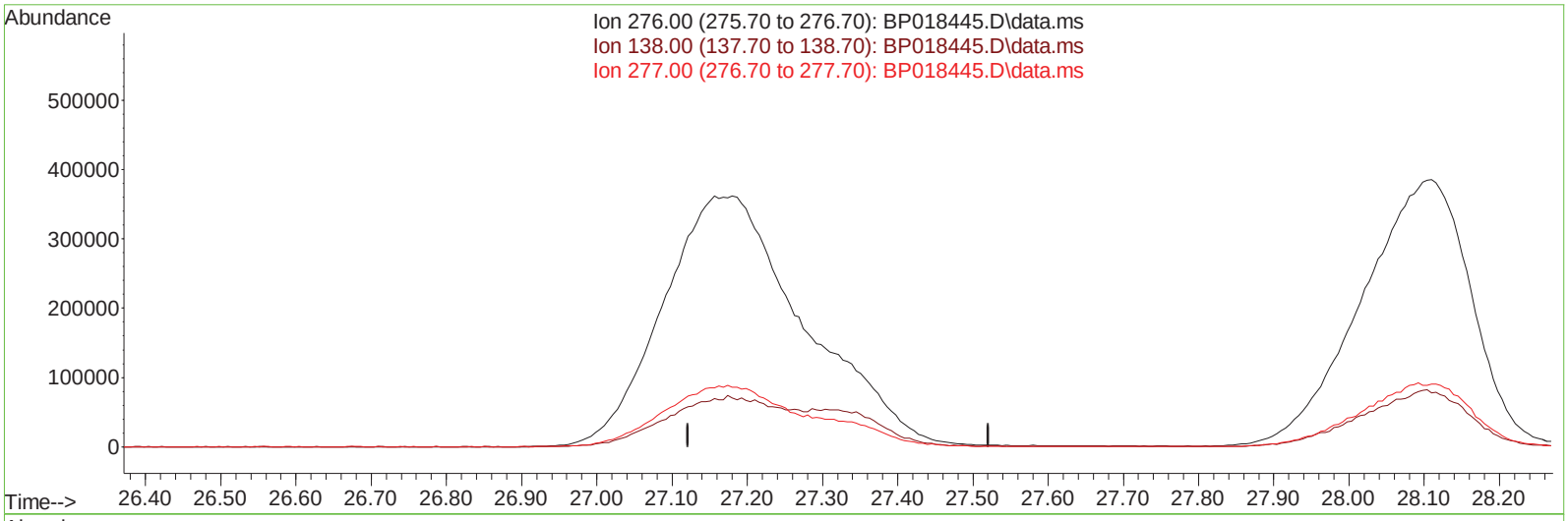
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

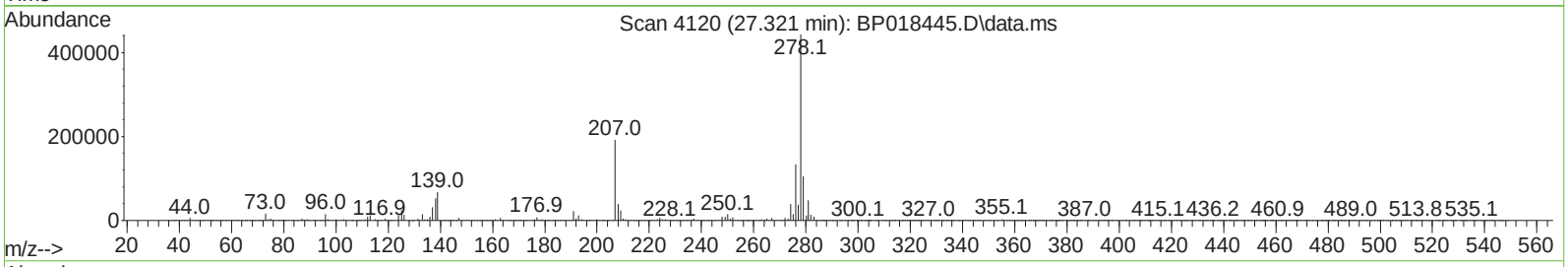
Quant Time: Nov 29 01:21:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

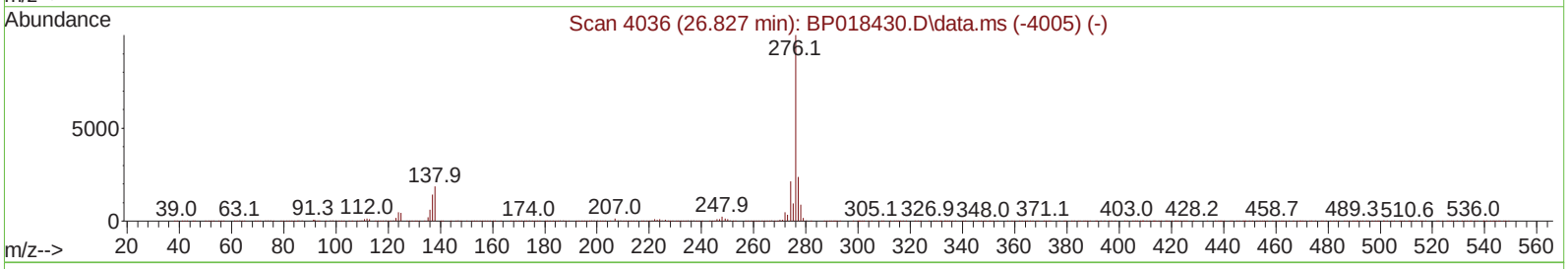
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023




TIC: BP018445.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**27.321min (-27.321) 0.00 ng/ul**

**response 0**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 0.00 |
| 138.00 | 21.90 | 0.00# |
| 277.00 | 23.90 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

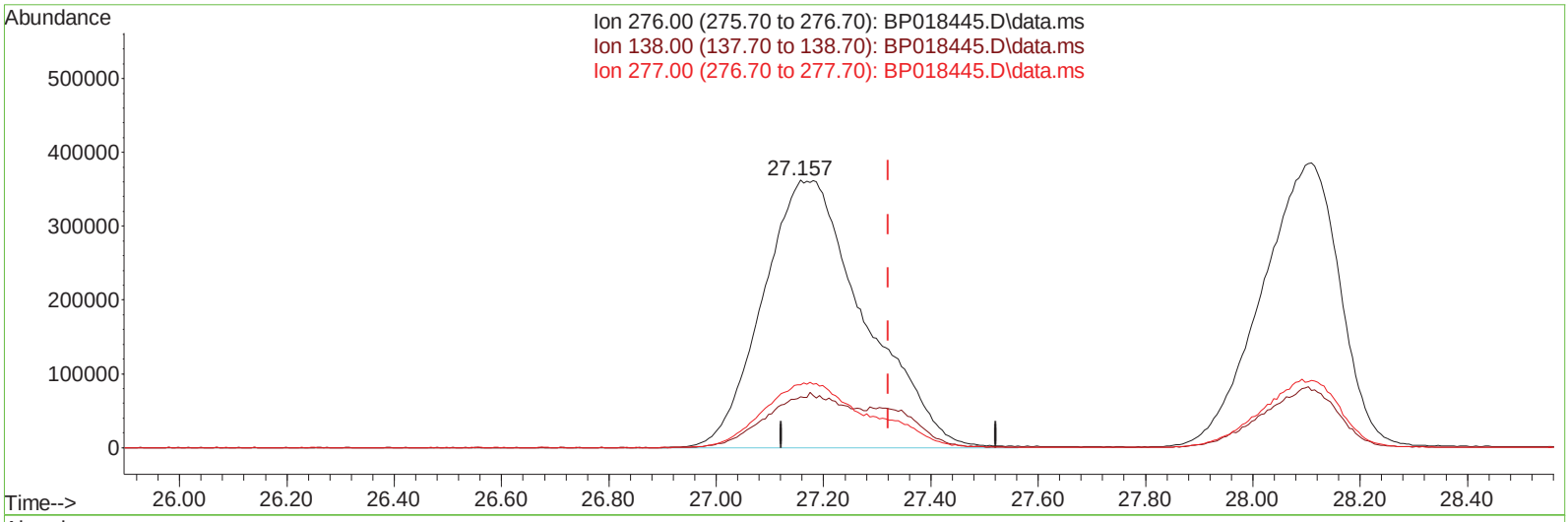
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

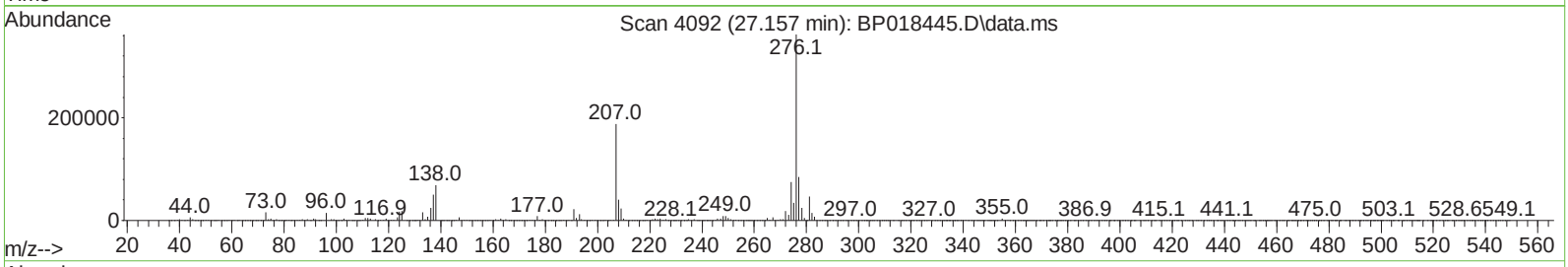
Quant Time: Nov 29 01:21:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

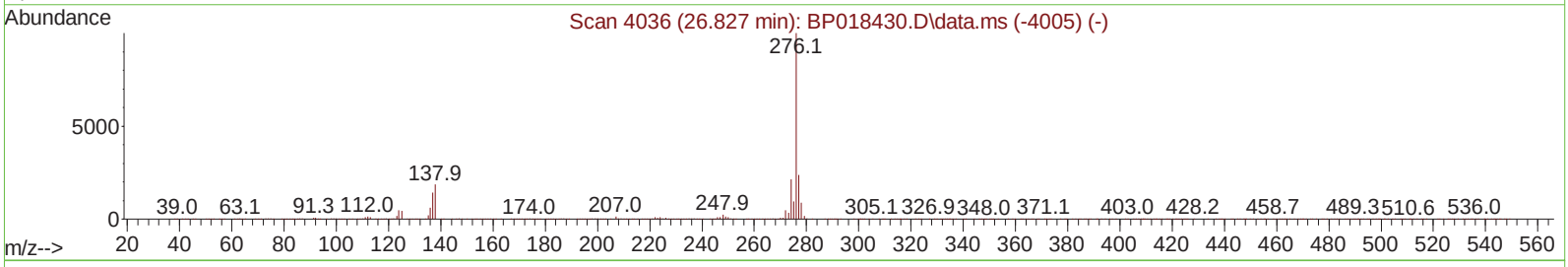
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023




TIC: BP018445.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**27.157min (-0.165) 29.81 ng/ul m**

**response 4745494**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.90 | 19.12 |
| 277.00 | 23.90 | 23.53 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

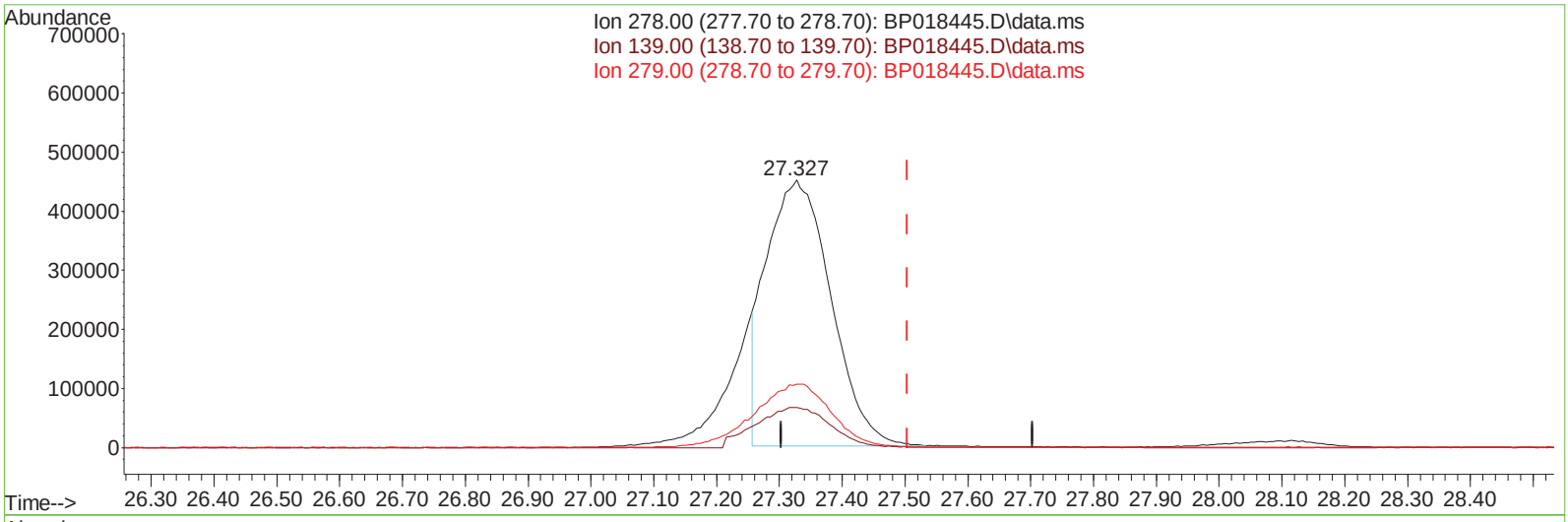
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

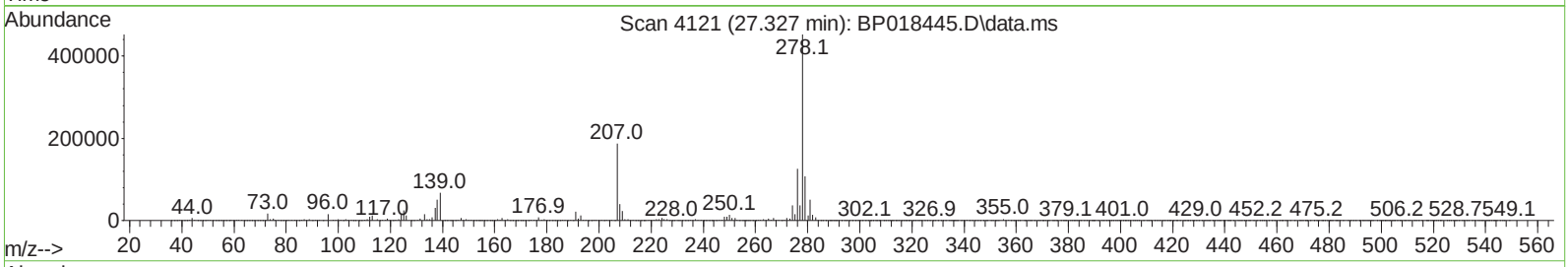
Quant Time: Nov 29 01:21:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

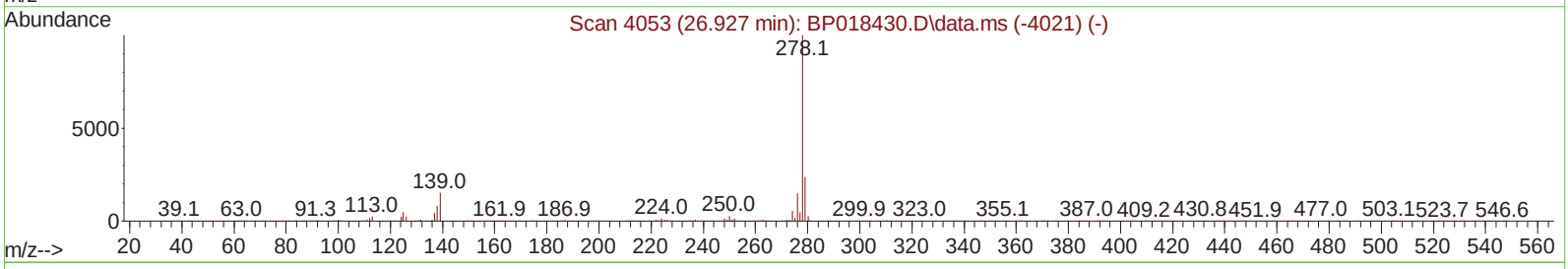
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023




TIC: BP018445.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**27.327min (-0.176) 24.61 ng/ul**

**response 3207250**

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 16.60 | 14.89 |
| 279.00 | 23.70 | 23.83 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

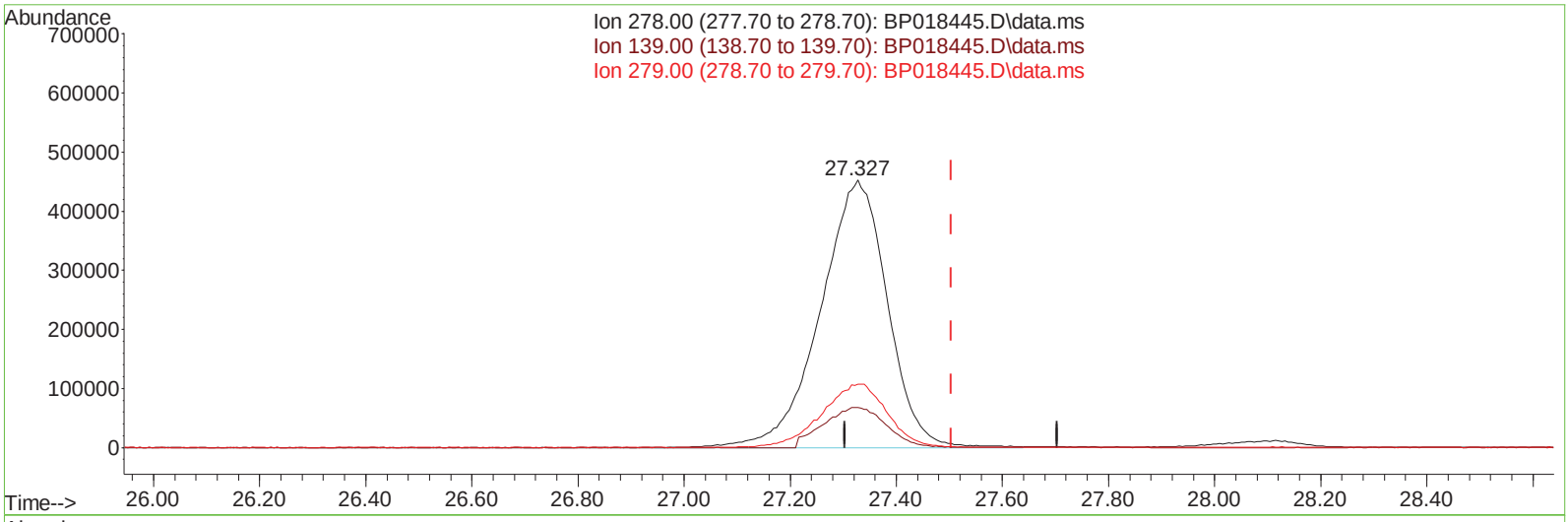
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

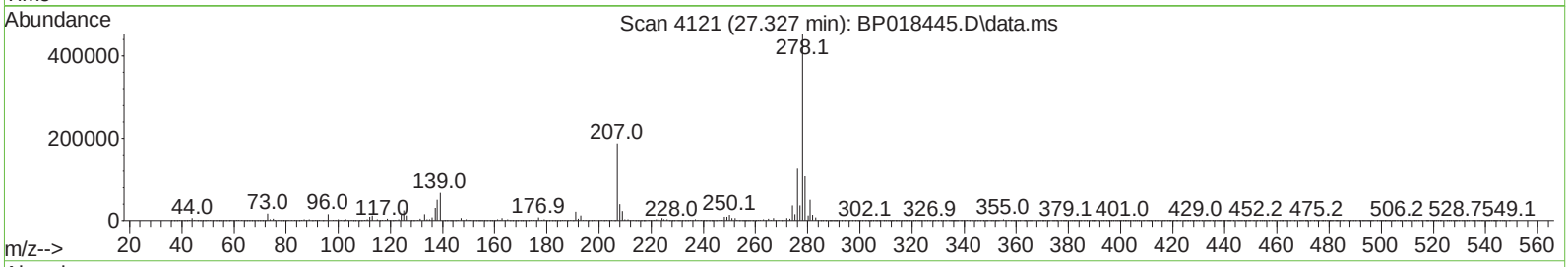
Quant Time: Nov 29 01:21:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

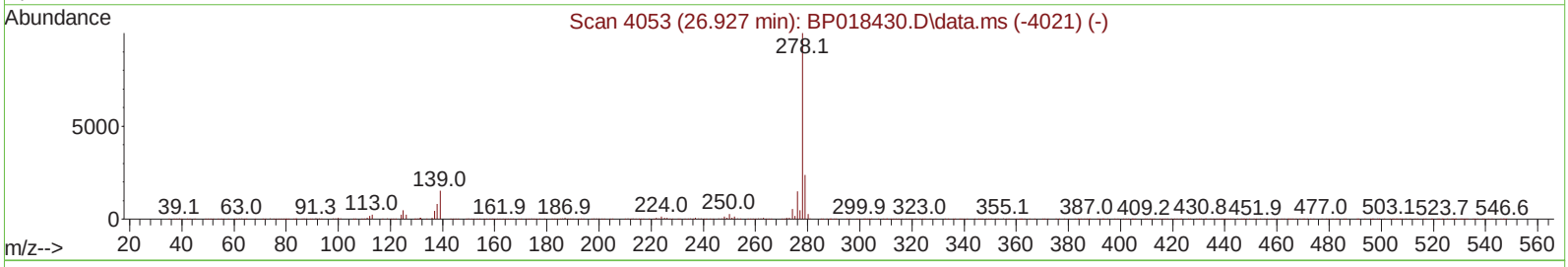
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023




TIC: BP018445.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**27.327min (-0.176) 30.48 ng/ul m**

**response 3973125**

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 16.60 | 14.89 |
| 279.00 | 23.70 | 23.83 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

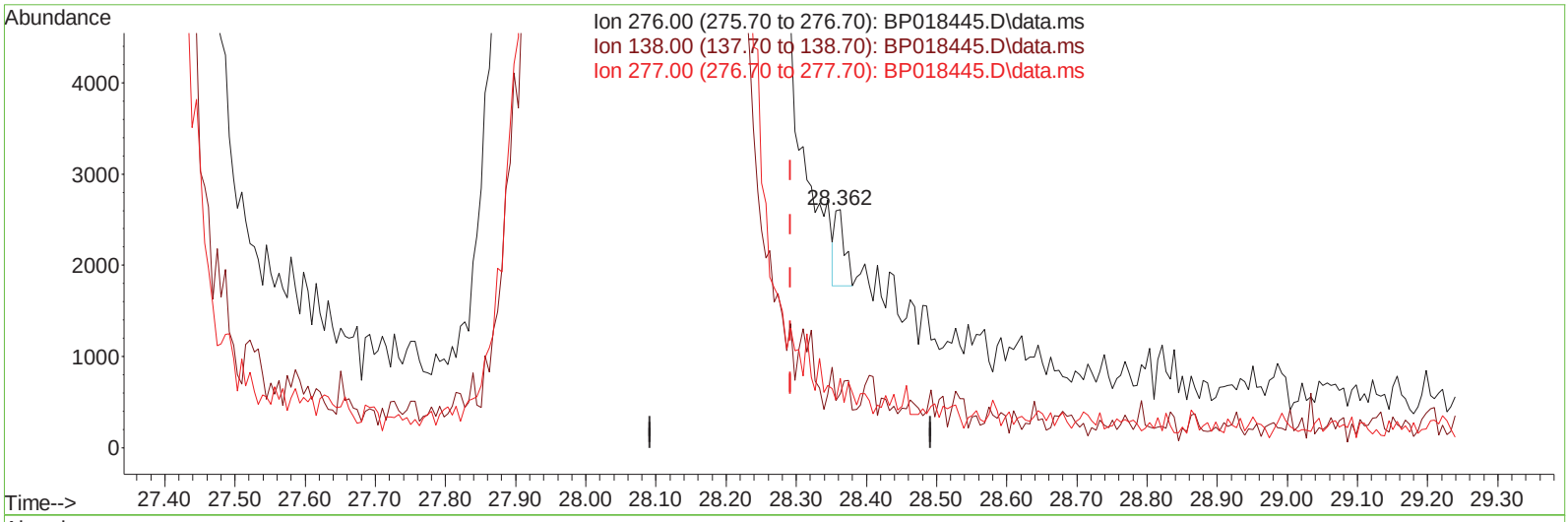
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

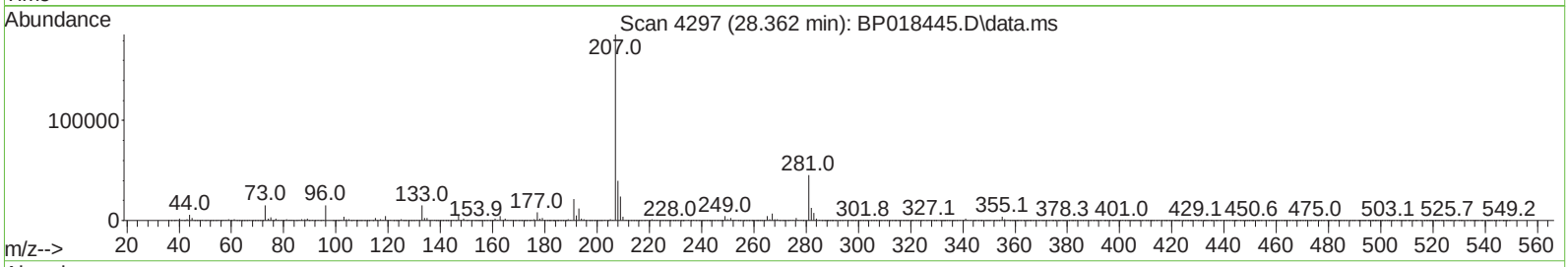
Quant Time: Nov 29 01:21:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

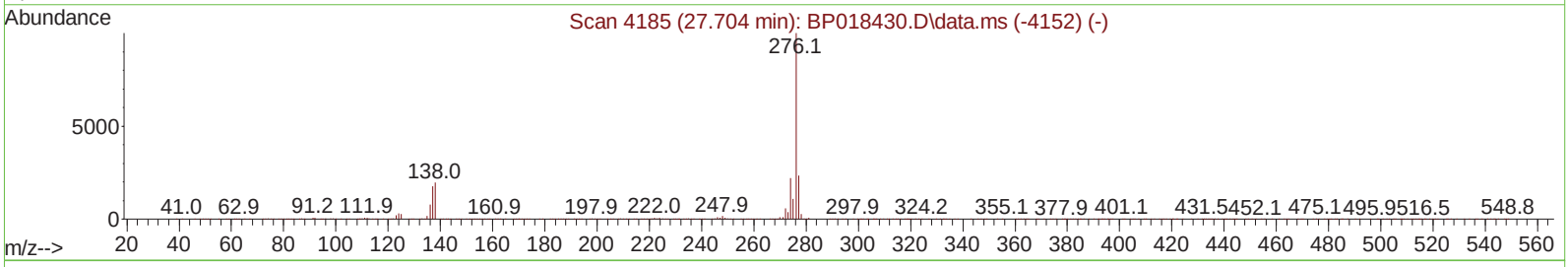
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023




TIC: BP018445.D\data.ms

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

**28.362min (+ 0.071) 0.01 ng/ul**

**response 841**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.10 | 22.70 |
| 277.00 | 23.30 | 29.13# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

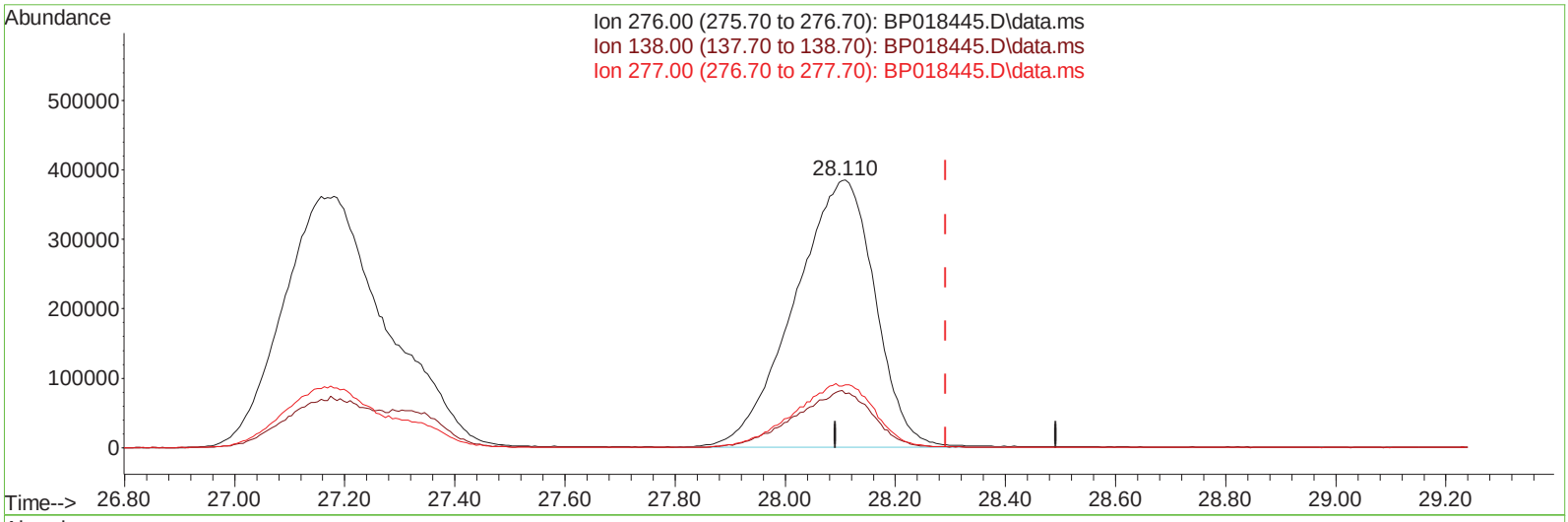
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

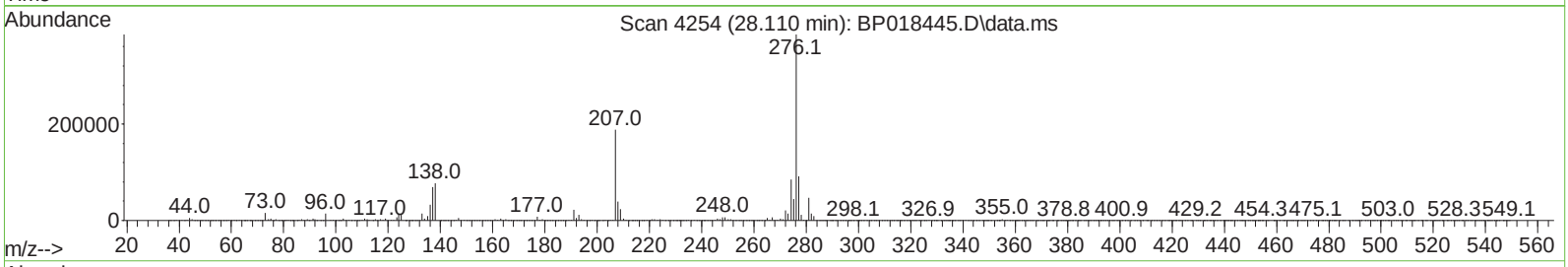
Quant Time: Nov 29 01:21:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

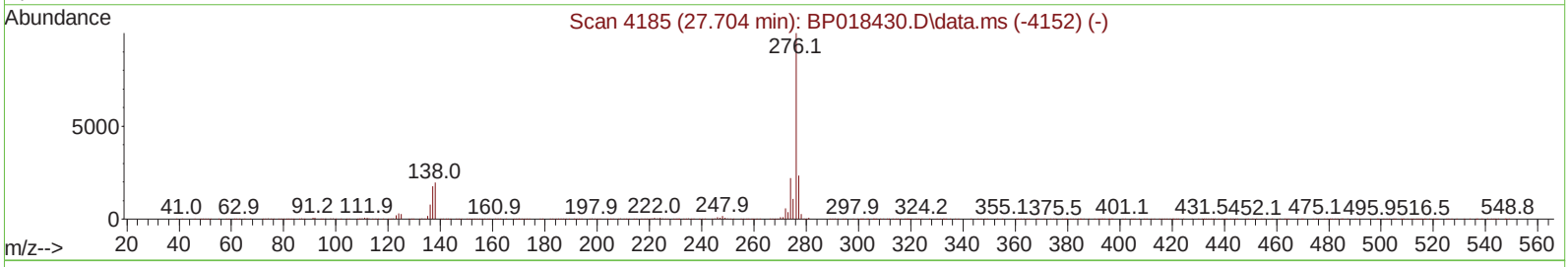
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023




TIC: BP018445.D\data.ms

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

**28.110min (-0.182) 30.44 ng/ul m**

**response 3925461**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.10 | 20.10 |
| 277.00 | 23.30 | 23.59 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 01:30:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.858 | 152 | 490518 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.658 | 136 | 1850053 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.493 | 164 | 984085 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.245 | 188 | 1717155 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.428 | 240 | 1742187 | 20.000 | ng/ul | -0.01 |
| 88) Perylene-d12 | 24.086 | 264 | 2061357 | 20.000 | ng/ul | -0.05 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.264 | 96 | 70620 | 5.392 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.681 | 84 | 912745 | 25.361 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.022 | 99 | 1156124 | 25.790 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.193 | 67 | 665436 | 24.824 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.387 | 132 | 997728 | 26.508 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.569 | 113 | 881260 | 24.360 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.016 | 128 | 444389 | 29.573 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.740 | 143 | 433586 | 31.243 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.275 | 165 | 922286 | 27.546 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.793 | 131 | 1104174 | 24.452 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.910 | 166 | 2178683 | 24.881 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.187 | 160 | 2673264 | 26.793 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.687 | 143 | 309598 | 25.611 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.487 | 176 | 1848744 | 25.242 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.604 | 200 | 218163 | 29.845 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.345 | 188 | 2436572 | 26.548 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.598 | 212 | 2865281 | 20.665 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.904 | 264 | 3318510 | 27.768 | ng/ul | -0.05 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.299 | 88 | 149115 | 10.618 | ng/uL# | 89 |
| 5) Pyridine | 3.705 | 79 | 959933 | 26.471 | ng/ul | 91 |
| 6) Benzaldehyde | 6.993 | 77 | 653087 | 27.530 | ng/ul | 95 |
| 8) Phenol | 7.052 | 94 | 1192385 | 27.116 | ng/ul | 93 |
| 10) Bis(2-Chloroethyl)ether | 7.287 | 93 | 1012693 | 27.647 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.417 | 128 | 1032712 | 27.349 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.305 | 108 | 903357 | 26.375 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.393 | 45 | 1189365 | 22.843 | ng/ul# | 95 |
| 16) Acetophenone | 8.681 | 105 | 1420899 | 25.668 | ng/ul | 94 |
| 17) N-Nitroso-di-n-propyla... | 8.675 | 70 | 639950 | 20.694 | ng/ul | 92 |
| 18) 4-Methylphenol | 8.634 | 108 | 950320 | 25.982 | ng/ul | 98 |
| 19) Hexachloroethane | 8.934 | 117 | 431615 | 27.371 | ng/ul | 96 |
| 22) Nitrobenzene | 9.058 | 77 | 983763 | 27.944 | ng/ul | 95 |
| 23) Isophorone | 9.593 | 82 | 1863879 | 23.755 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.769 | 139 | 502417 | 32.177 | ng/ul | 91 |
| 26) 2,4-Dimethylphenol | 9.834 | 107 | 737001 | 21.023 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.075 | 93 | 1246294 | 26.300 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.305 | 162 | 915826 | 28.556 | ng/ul | 98 |
| 30) Naphthalene | 10.705 | 128 | 3154267 | 28.190 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.816 | 127 | 1039135 | 24.386 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.993 | 225 | 696069 | 31.822 | ng/ul | 99 |
| 34) Caprolactam | 11.599 | 113 | 224174 | 24.256 | ng/ul | 87 |
| 35) 4-Chloro-3-methylphenol | 11.946 | 107 | 784075 | 22.866 | ng/ul | 94 |
| 36) 2-Methylnaphthalene | 12.316 | 142 | 2050545 | 25.894 | ng/ul | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 01:30:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.534 | 142 | 1999103 | 25.079 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.681 | 216 | 1181821 | 34.003 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.663 | 237 | 513492 | 26.086 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.922 | 196 | 640465 | 30.684 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.993 | 196 | 677269 | 30.007 | ng/ul | 100 |
| 43) 1,1'-Biphenyl | 13.328 | 154 | 2574679 | 30.028 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.369 | 162 | 2048427 | 30.185 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.575 | 65 | 379346 | 25.979 | ng/ul | 85 |
| 47) Dimethylphthalate | 13.957 | 163 | 2270914 | 26.505 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.075 | 165 | 415805 | 28.786 | ng/ul | 88 |
| 50) Acenaphthylene | 14.216 | 152 | 3109683 | 27.961 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.398 | 138 | 391589 | 27.285 | ng/ul# | 92 |
| 52) Acenaphthene | 14.557 | 153 | 2030622 | 27.950 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.598 | 184 | 138933 | 27.569 | ng/ul | 98 |
| 55) 4-Nitrophenol | 14.704 | 109 | 223255 | 24.929 | ng/ul | 91 |
| 56) Dibenzofuran | 14.893 | 168 | 2716963 | 27.354 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.857 | 165 | 540083 | 27.668 | ng/ul# | 87 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.116 | 232 | 479822 | 27.070 | ng/ul | 95 |
| 59) Diethylphthalate | 15.322 | 149 | 2025639 | 23.536 | ng/ul | 99 |
| 61) Fluorene | 15.540 | 166 | 2087568 | 25.773 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.540 | 204 | 1112338 | 27.044 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.563 | 138 | 379136 | 27.992 | ng/ul | 92 |
| 66) 4,6-Dinitro-2-methylph... | 15.616 | 198 | 249787 | 30.811 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.751 | 169 | 1701926 | 29.227 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.434 | 248 | 643886 | 29.699 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.545 | 284 | 750226 | 30.953 | ng/ul# | 92 |
| 70) Atrazine | 16.710 | 200 | 393266 | 22.122 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.892 | 266 | 369249 | 29.650 | ng/ul | 97 |
| 72) Phenanthrene | 17.287 | 178 | 3023886 | 28.951 | ng/ul | 100 |
| 74) Anthracene | 17.381 | 178 | 2949808 | 27.979 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.287 | 216 | 1138438 | 38.570 | ng/uL | 100 |
| 76) Pentachlorobenzene | 14.810 | 250 | 1012628 | 35.319 | ng/uL | 99 |
| 77) Carbazole | 17.651 | 167 | 2625579 | 30.740 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.222 | 149 | 2908753 | 24.483 | ng/ul | 100 |
| 80) Fluoranthene | 19.275 | 202 | 3438499 | 20.758 | ng/ul | 97 |
| 82) Pyrene | 19.628 | 202 | 3623787 | 21.725 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.569 | 149 | 1254671 | 20.326 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.369 | 252 | 1197396 | 28.417 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.410 | 228 | 4032015 | 28.398 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149 | 1881208 | 20.313 | ng/ul | 99 |
| 87) Chrysene | 21.463 | 228 | 3705349 | 28.678 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.622 | 149 | 3210336 | 21.154 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.257 | 252 | 4511389 | 30.131 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.316 | 252 | 3955054 | 26.535 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.963 | 252 | 4044139 | 29.370 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.157 | 276 | 4745494m | 29.806 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 27.327 | 278 | 3973125m | 30.482 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 28.110 | 276 | 3925461m | 30.443 | ng/ul | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112723\
Data File : BP018445.D
Acq On : 28 Nov 2023 17:33
Operator : MA/JU
Sample : PB157489BS
Misc :
ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 29 01:30:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112223.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 29 01:22:40 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS489

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023