Quantitation Report (Qedit)

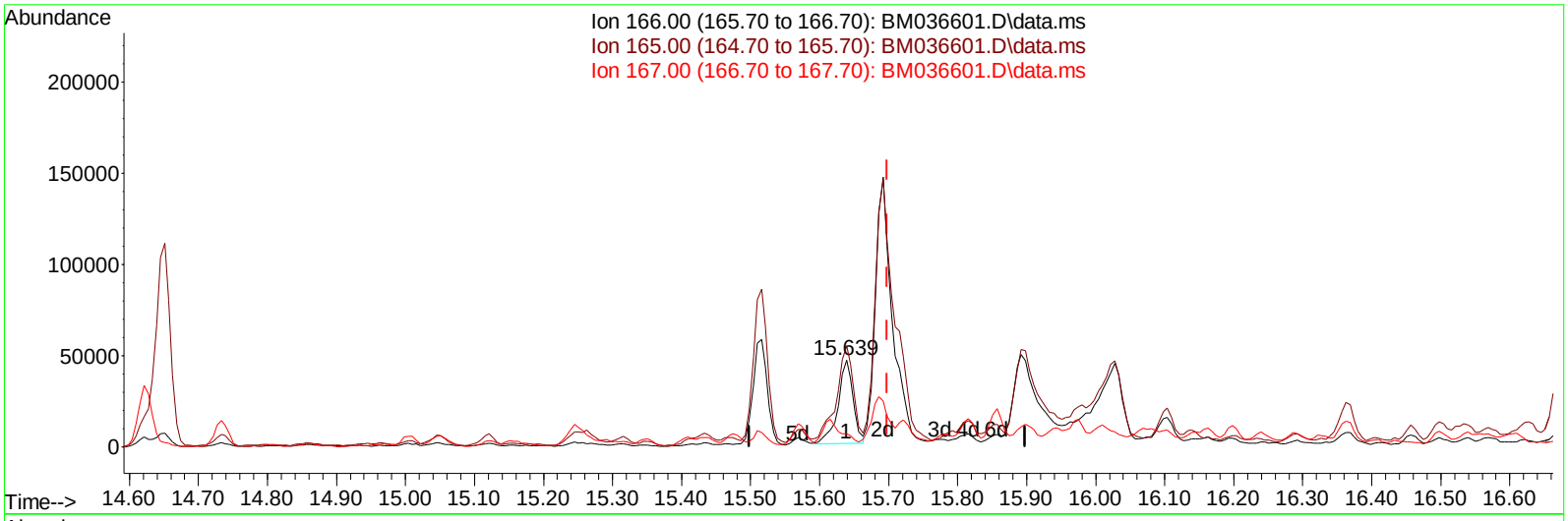
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

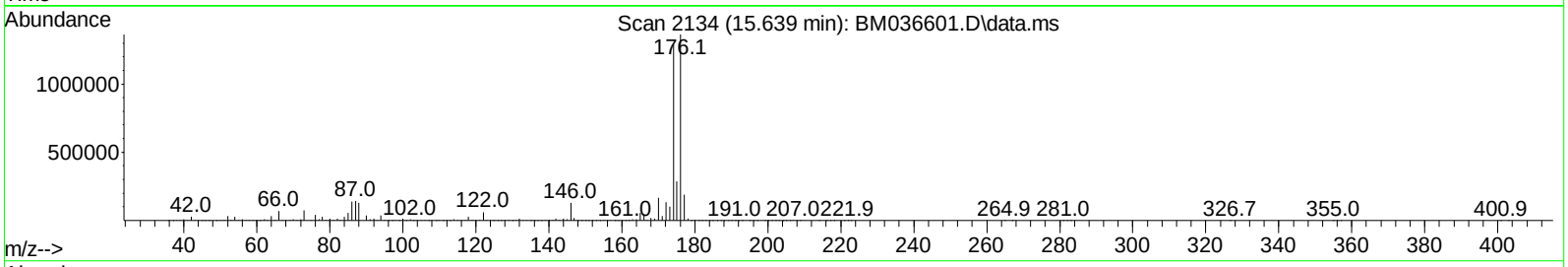
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

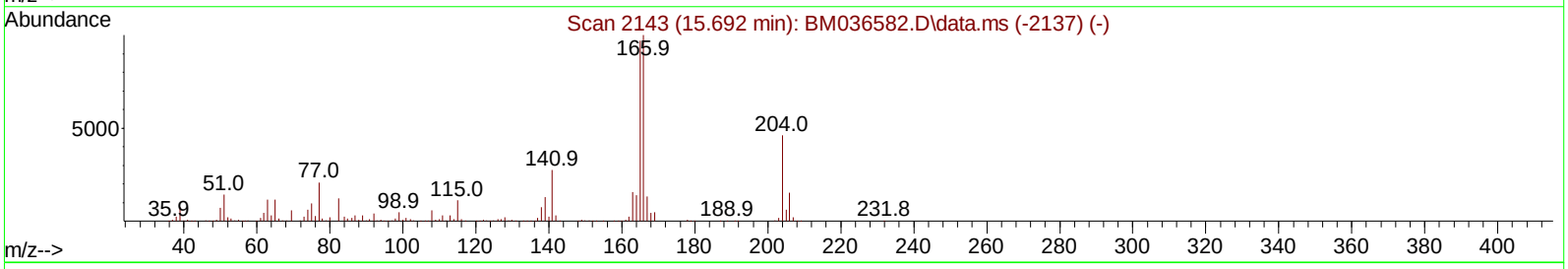
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(61) Fluorene**

**15.639min (-0.059) 0.77 ng/ul**

**response 69250**

| Ion | Exp% | Act% |
|---|---|---|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 98.10 | 116.61 |
| 167.00 | 13.00 | 15.03 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

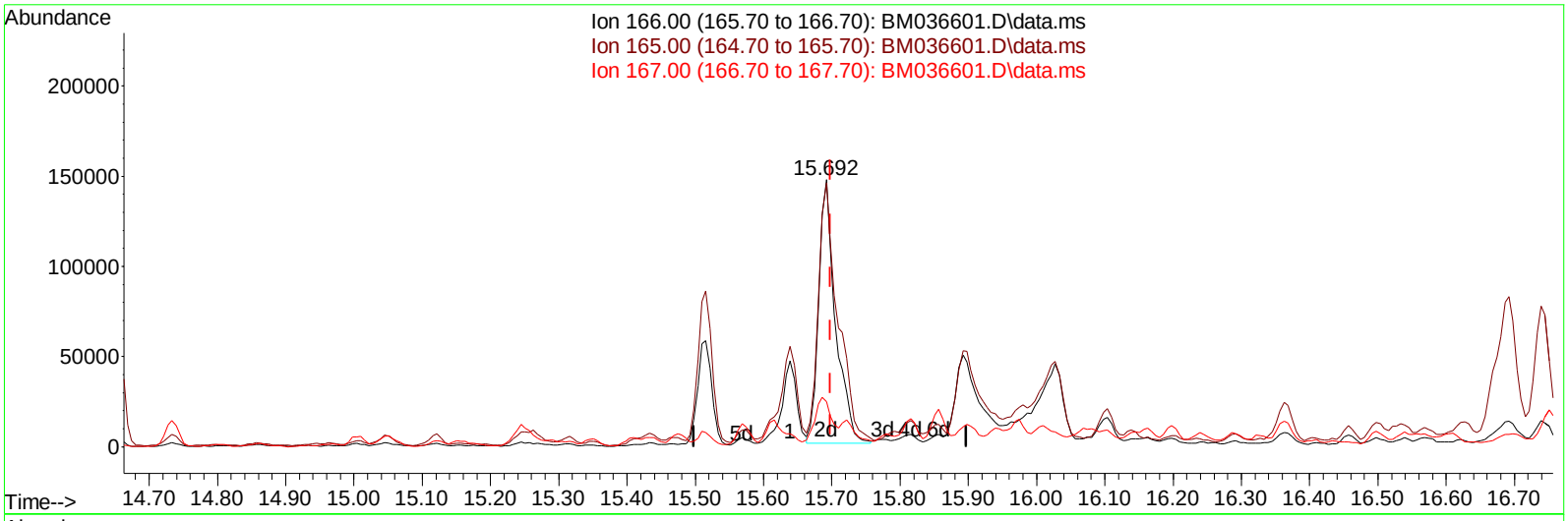
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

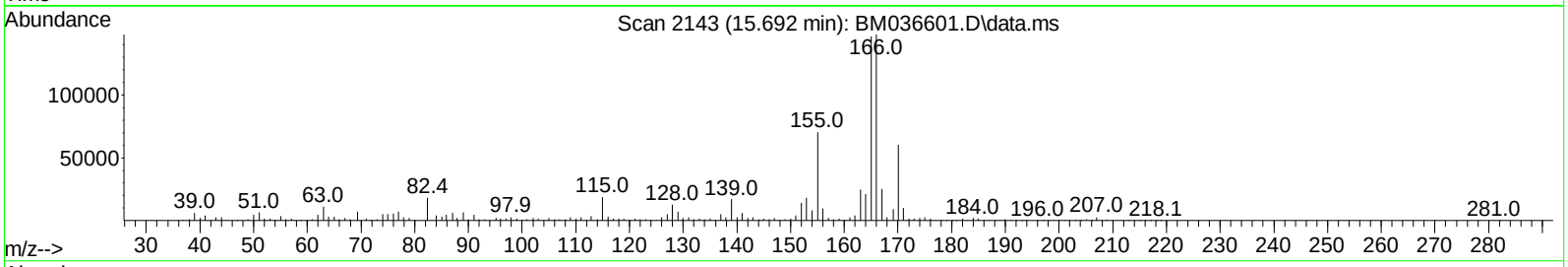
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

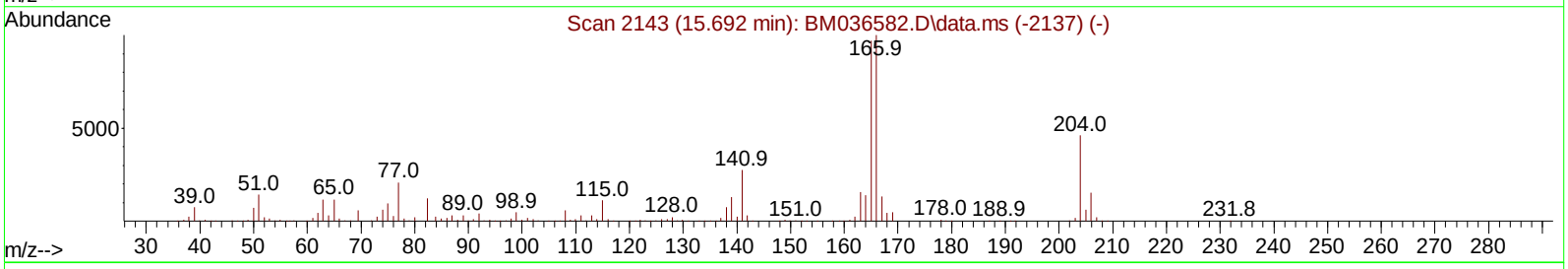
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(61) Fluorene**

**15.692min (-0.006) 2.79 ng/ul m**

**response 250215**

| Ion | Exp% | Act% |
|---|---|---|
| 166.00 | 100.00 | 100.00 |
| 165.00 | 98.10 | 99.01 |
| 167.00 | 13.00 | 16.92# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

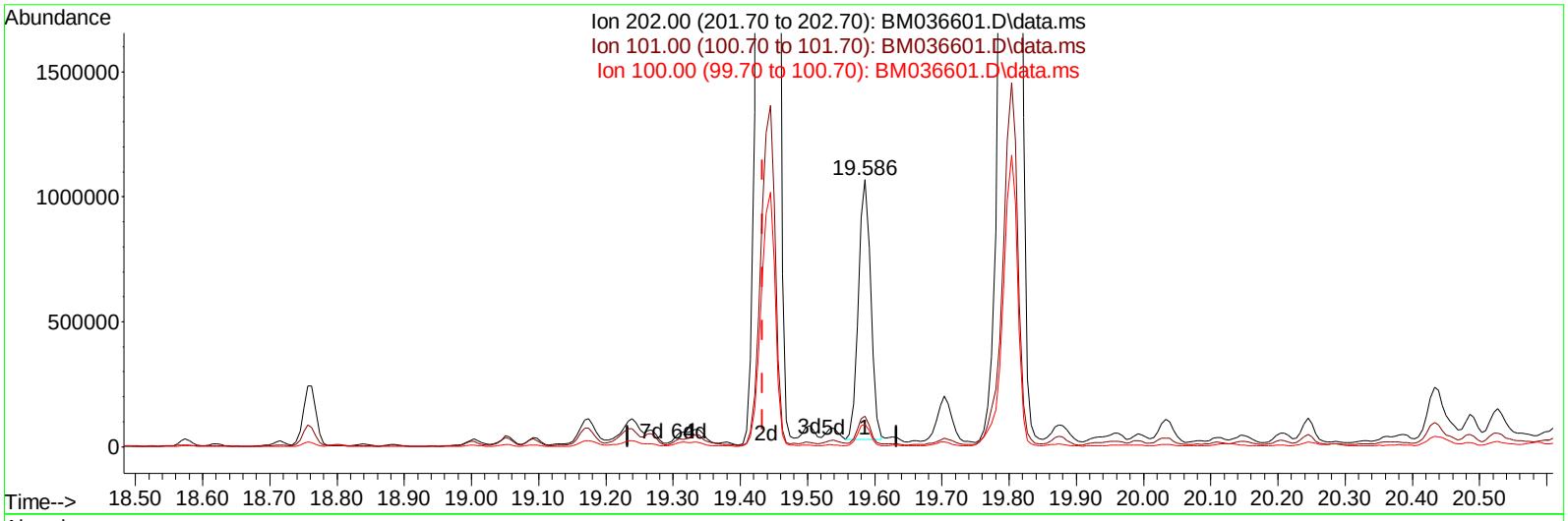
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

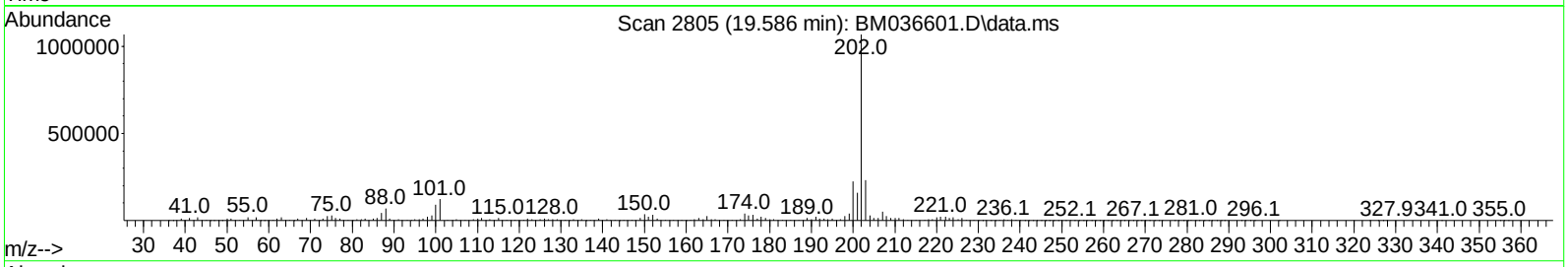
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

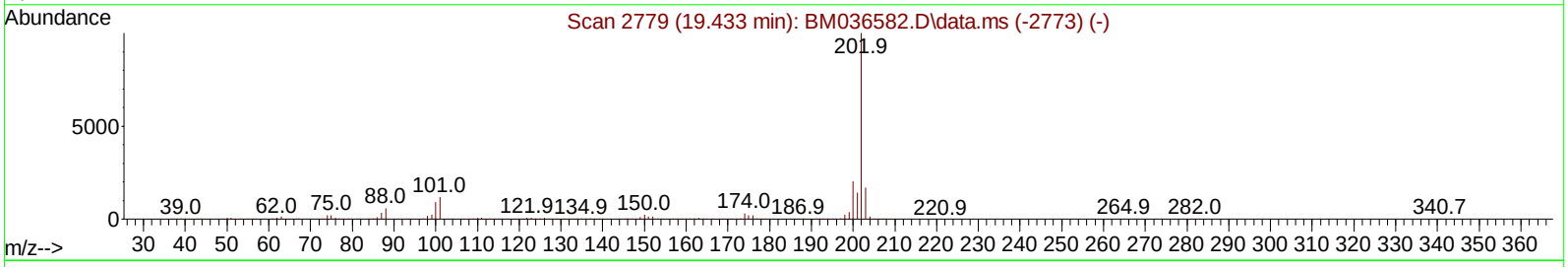
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(80) Fluoranthene**

**19.586min (+ 0.153) 10.66 ng/ul**

**response 1317537**

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 12.20 | 11.42 |
| 100.00 | 9.30 | 8.48 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

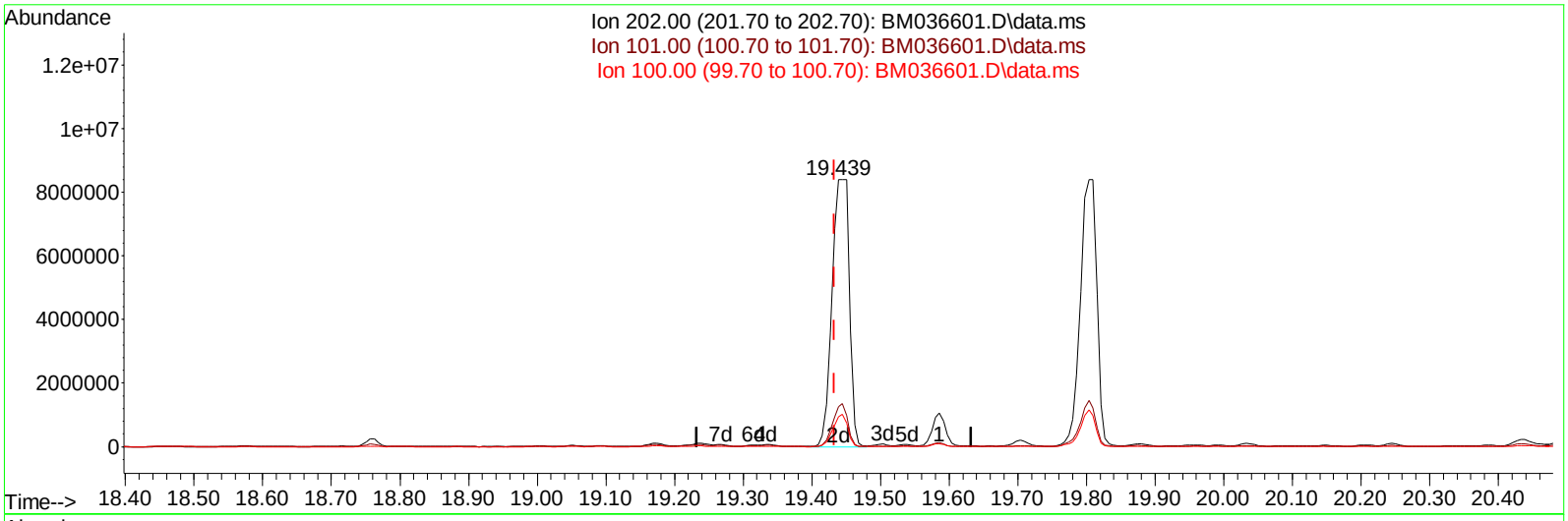
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

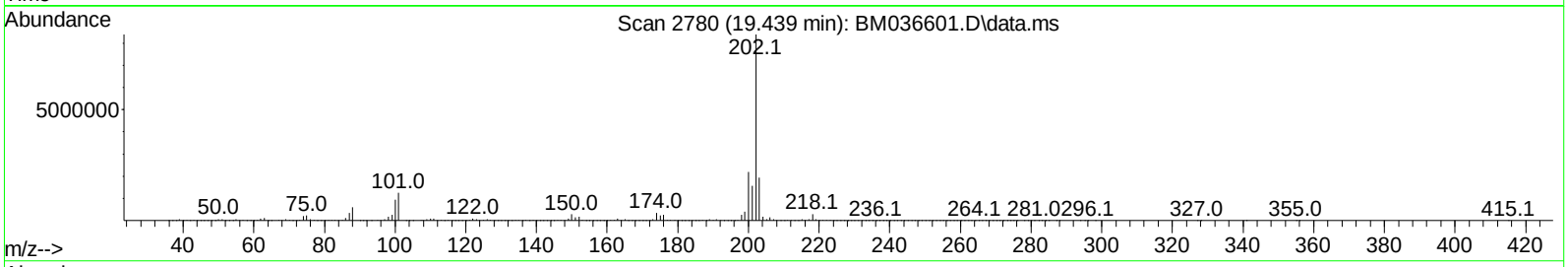
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

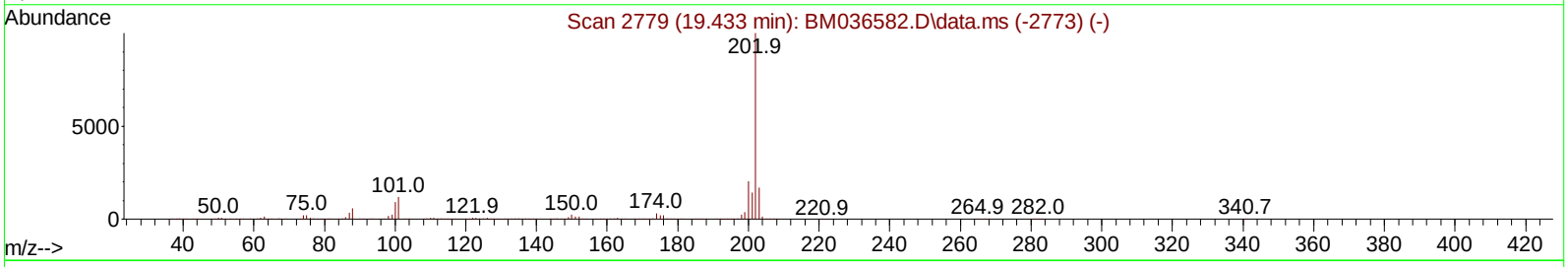
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(80) Fluoranthene**

**19.439min (+ 0.006) 119.52 ng/ul m**

**response 14770985**

| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 12.20 | 14.97# |
| 100.00 | 9.30 | 11.12 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

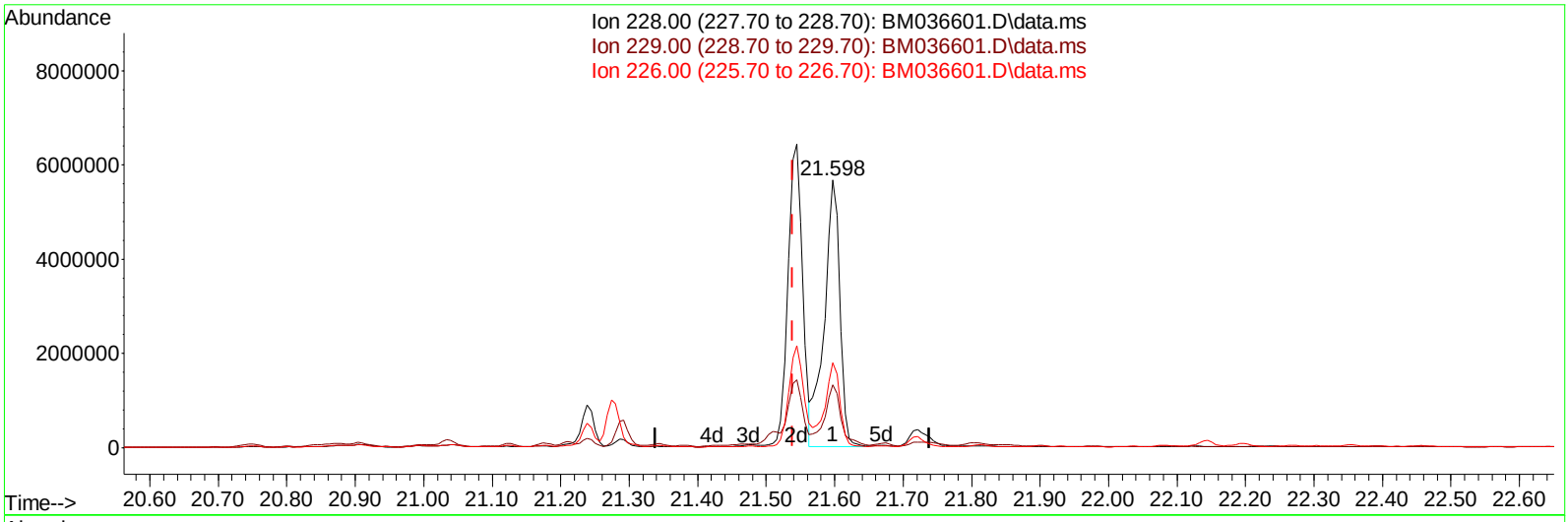
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

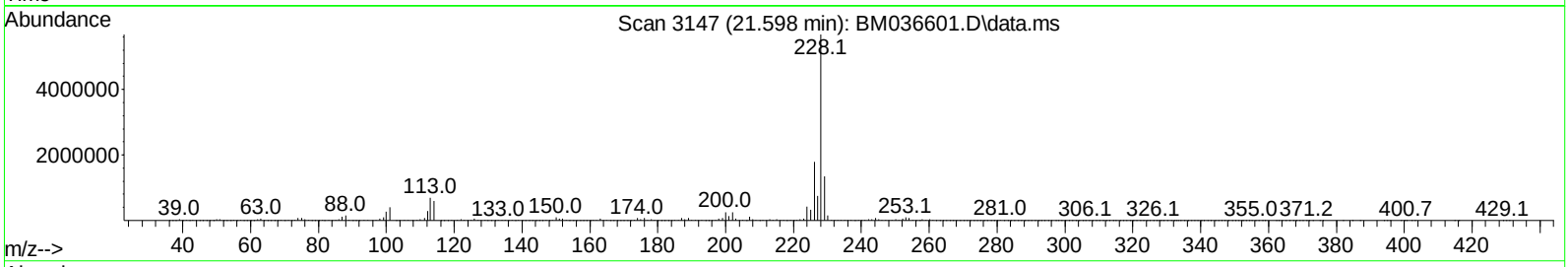
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

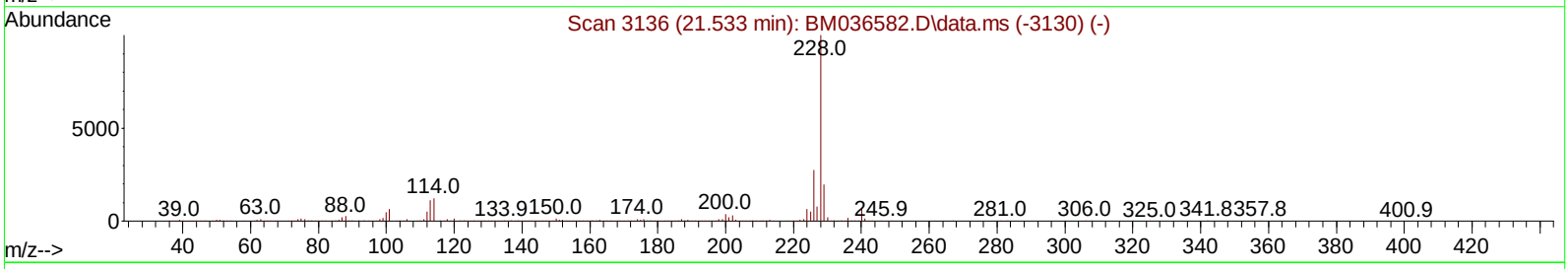
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(85) Benzo(a)anthracene**

**21.598min (+ 0.059) 69.85 ng/ul**

**response 8971697**

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.80 | 23.60 |
| 226.00 | 27.40 | 31.66 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

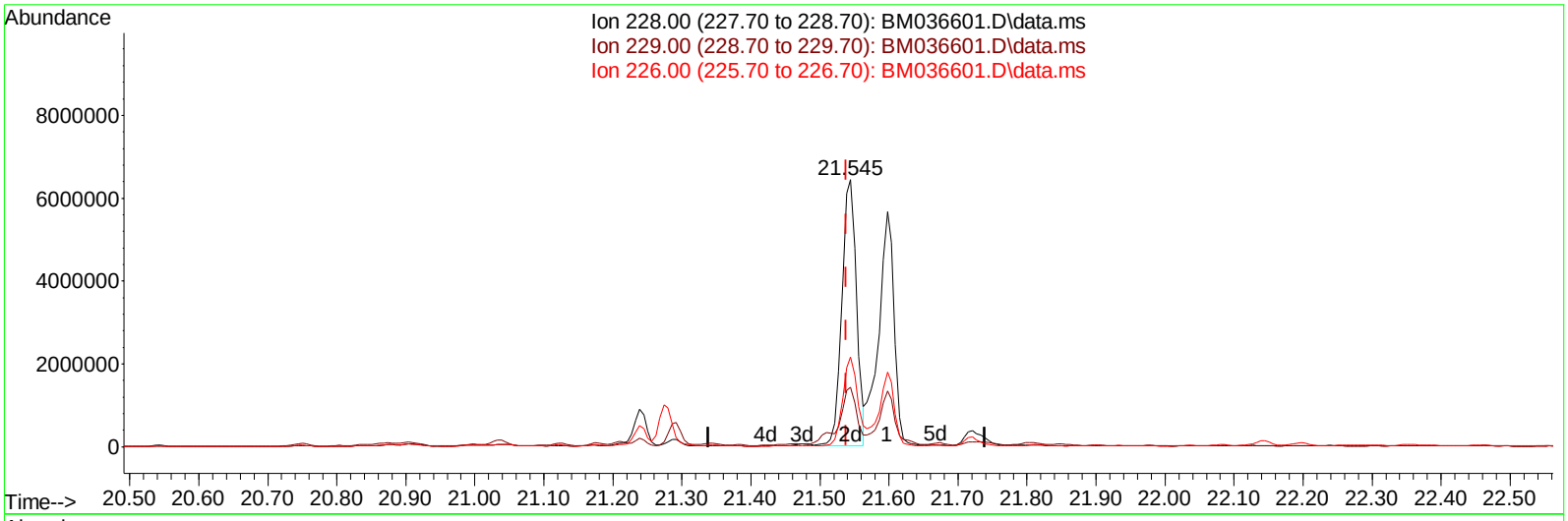
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

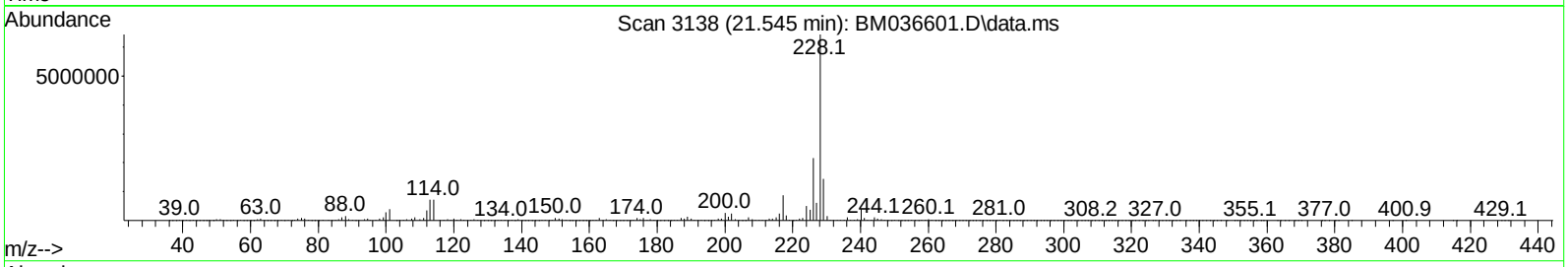
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

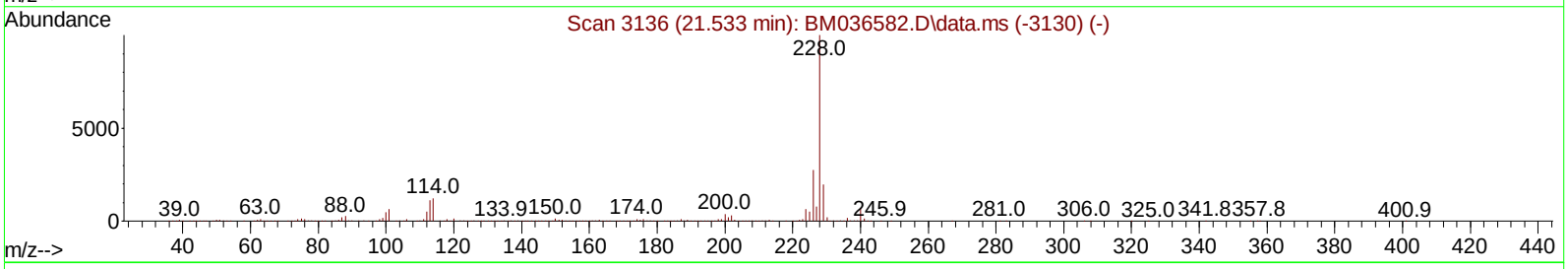
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(85) Benzo(a)anthracene**

**21.545min (+ 0.006) 74.27 ng/ul m**

**response 9540168**

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.80 | 22.33 |
| 226.00 | 27.40 | 33.58# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

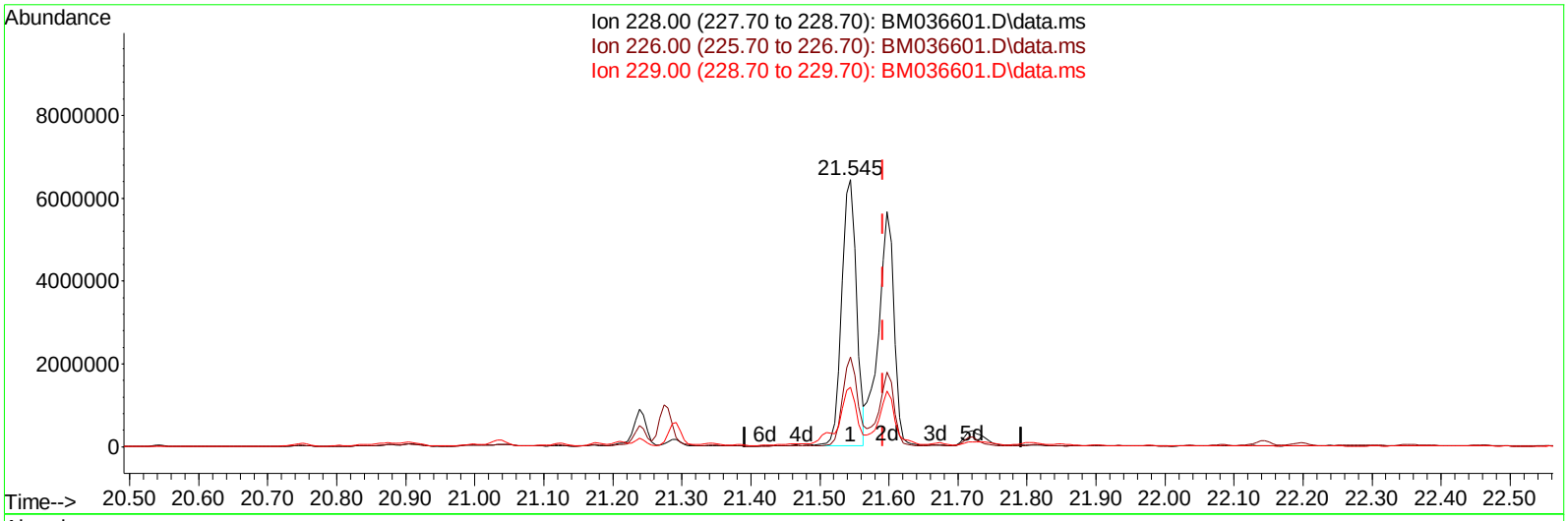
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

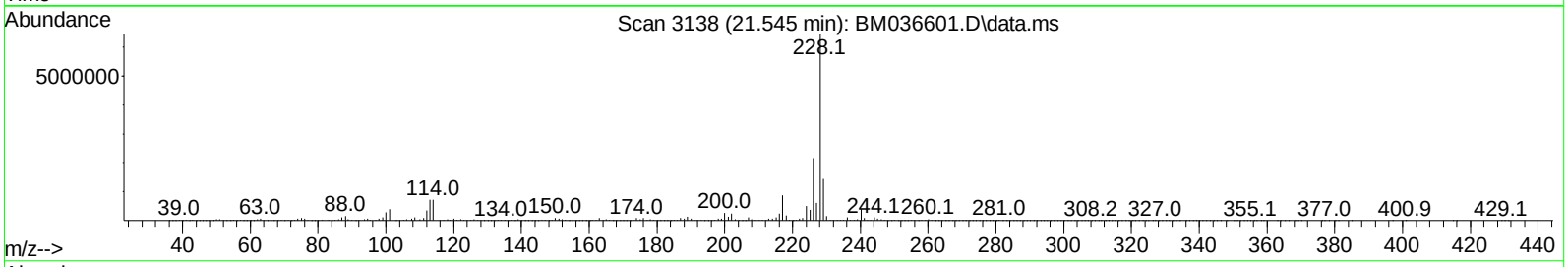
Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

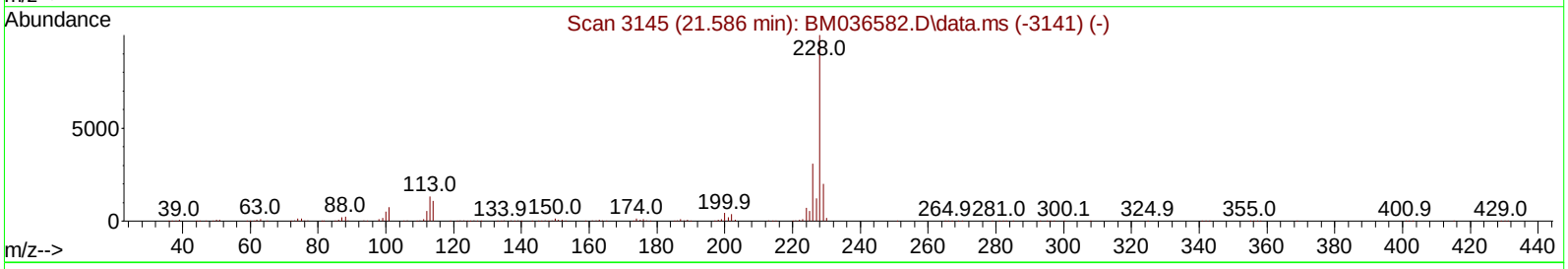
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(87) Chrysene**

**21.545min (-0.047) 78.29 ng/ul**

**response 9545887**

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.50 | 33.58 |
| 229.00 | 19.50 | 22.33 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 20 05:16:15 2022
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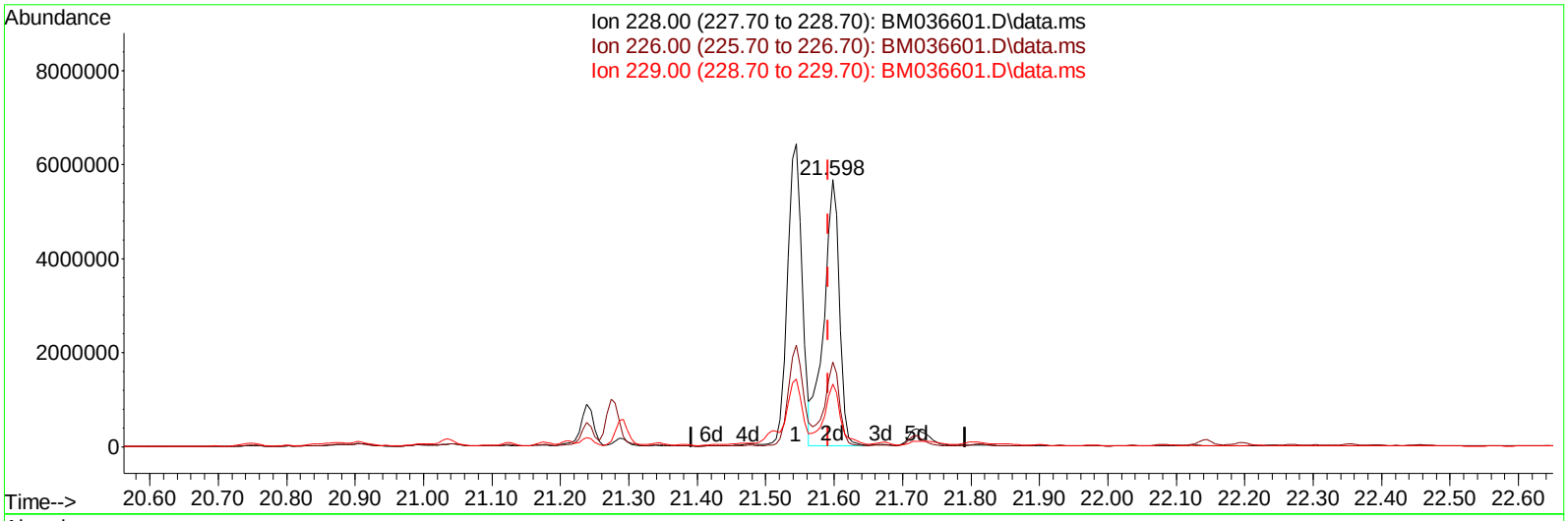
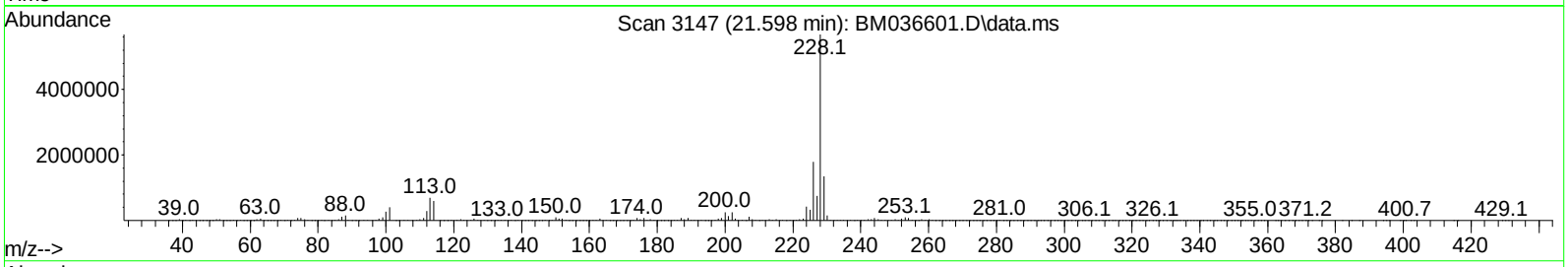
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

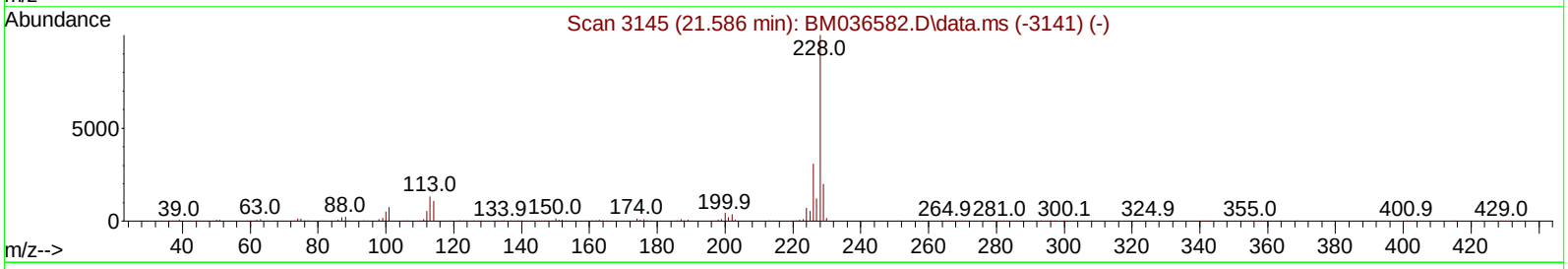
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

**(87) Chrysene**

**21.598min (+ 0.006) 73.69 ng/ul m**

**response 8984368**

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.50 | 31.66 |
| 229.00 | 19.50 | 23.60# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
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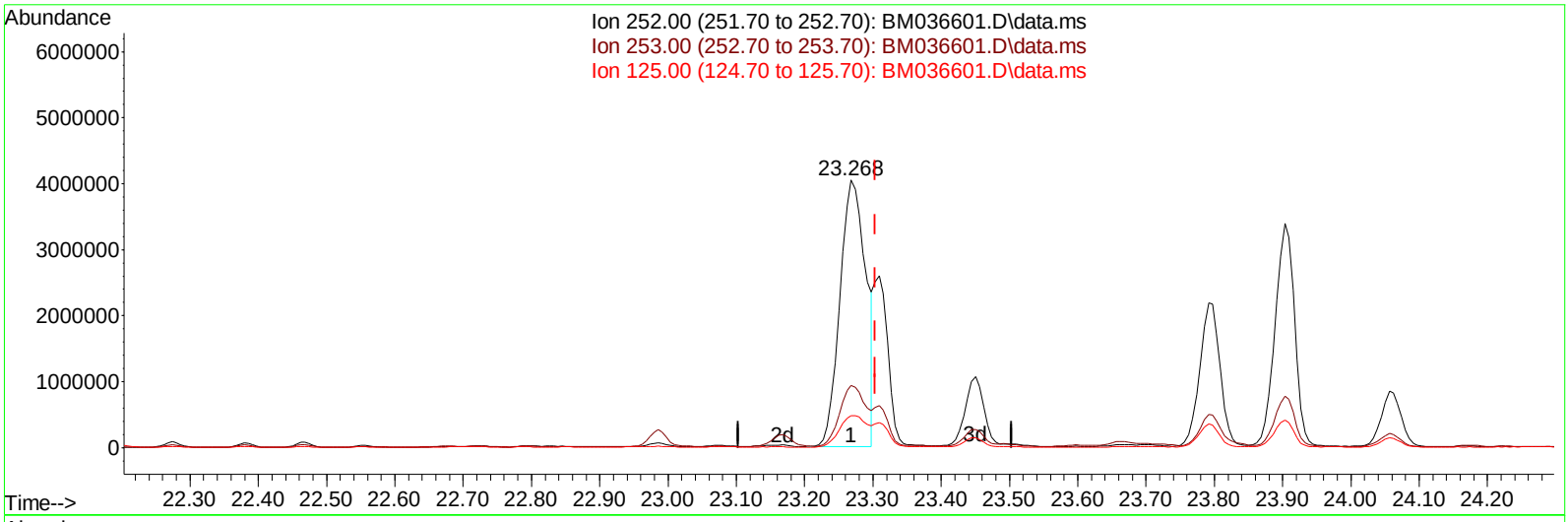
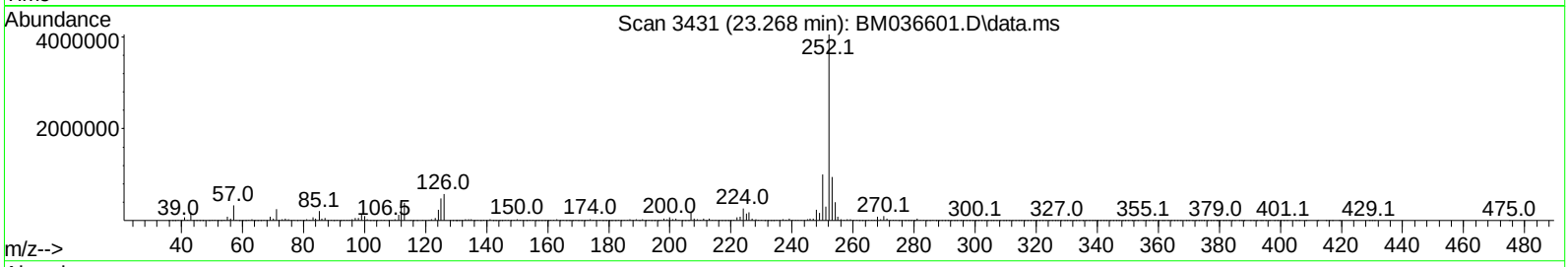
Response via : Initial Calibration

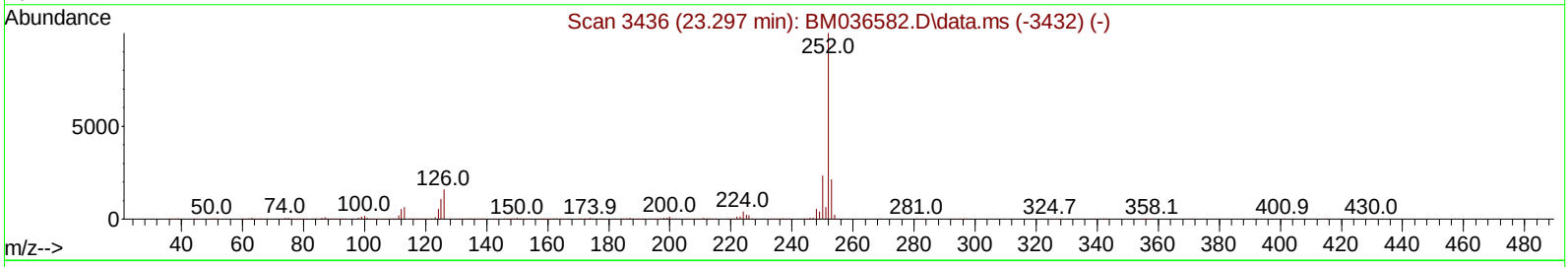
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

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

**23.268min (-0.035) 92.88 ng/ul**

**response 10698282**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30 | 23.33 |
| 125.00 | 10.30 | 11.88 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
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Misc :
ALS Vial : 30 Sample Multiplier: 1

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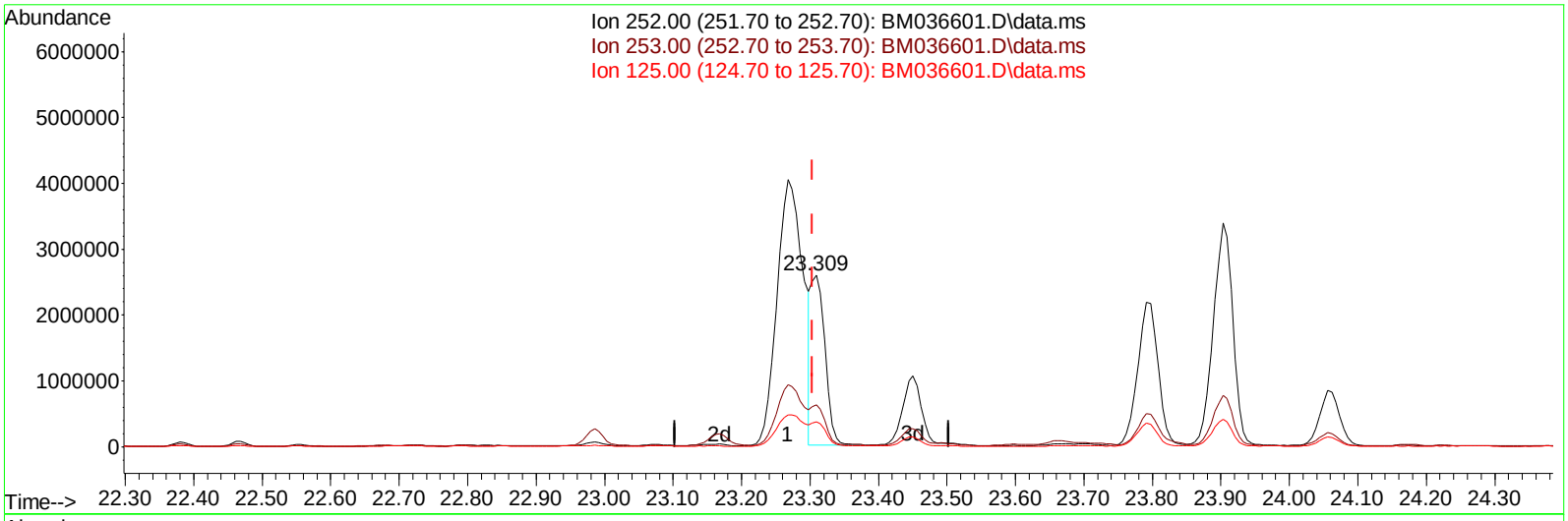
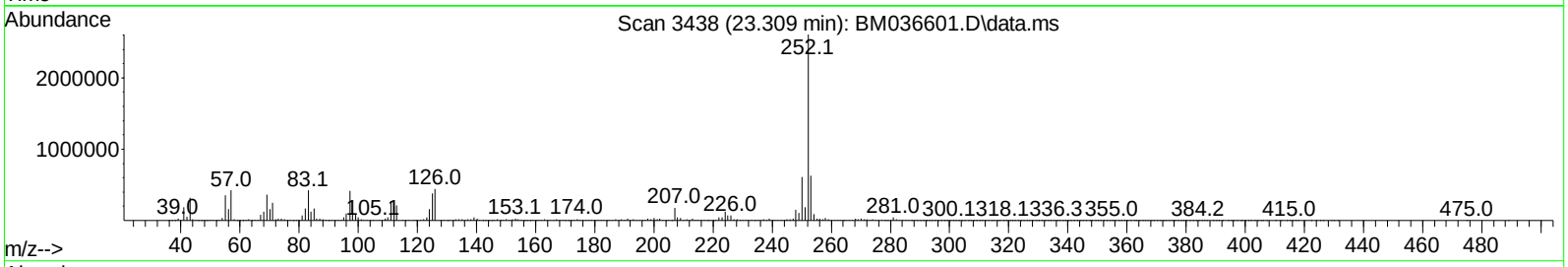
Response via : Initial Calibration

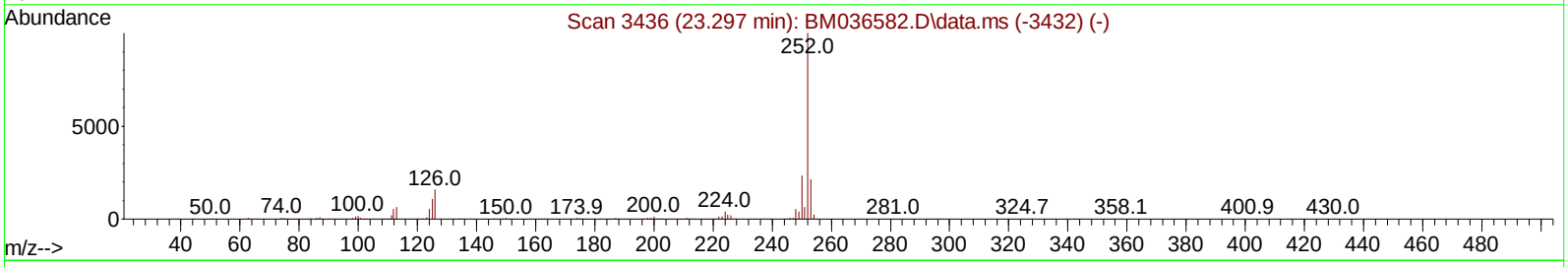
**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022




TIC: BM036601.D\data.ms

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

**23.309min (+ 0.006) 31.79 ng/ul m**

**response 3661885**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.30 | 24.22 |
| 125.00 | 10.30 | 14.62# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 20 05:16:15 2022
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.028 | 152 | 432637 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.839 | 136 | 1944488 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.651 | 164 | 1224905 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.386 | 188 | 2510409 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.556 | 240 | 2050086 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.003 | 264 | 1817858 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.393 | 96 | 33699 | 2.920 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.828 | 84 | 85855 | 2.551 | ng/ul | 0.01 |
| 7) Phenol-d5 | 7.175 | 99 | 730405 | 18.892 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.351 | 67 | 461076 | 19.637 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.551 | 132 | 567354 | 20.383 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.728 | 113 | 515612 | 18.049 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.192 | 128 | 309095 | 23.485 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.916 | 143 | 307685 | 26.100 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.451 | 165 | 587742 | 21.513 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.975 | 131 | 231603 | 5.099 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.063 | 166 | 2068764 | 25.042 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.345 | 160 | 2511363 | 25.628 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.827 | 143 | 314047 | 19.599 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.639 | 176 | 1896700 | 25.619 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.745 | 200 | 197379 | 19.872 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.486 | 188 | 2951334 | 25.712 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.768 | 212 | 3300361 | 32.723 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.850 | 264 | 2322603 | 26.152 | ng/ul | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 30) Naphthalene | 10.886 | 128 | 585694 | 5.529 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.486 | 142 | 414932 | 5.879 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.704 | 142 | 344731 | 4.859 | ng/ul | 99 |
| 50) Acenaphthylene | 14.374 | 152 | 1455530 | 12.992 | ng/ul | 99 |
| 52) Acenaphthene | 14.710 | 153 | 85699 | 1.093 | ng/ul | 97 |
| 61) Fluorene | 15.692 | 166 | 250215m | 2.791 | ng/ul | |
| 72) Phenanthrene | 17.433 | 178 | 6069894 | 43.897 | ng/ul | 99 |
| 74) Anthracene | 17.521 | 178 | 2492190 | 17.732 | ng/ul | 100 |
| 80) Fluoranthene | 19.439 | 202 | 14770985m | 119.516 | ng/ul | |
| 82) Pyrene | 19.804 | 202 | 13937915 | 106.540 | ng/ul# | 91 |
| 85) Benzo(a)anthracene | 21.545 | 228 | 9540168m | 74.272 | ng/ul | |
| 87) Chrysene | 21.598 | 228 | 8984368m | 73.689 | ng/ul | |
| 90) Benzo(b)fluoranthene | 23.268 | 252 | 10698282 | 92.805 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.309 | 252 | 3661885m | 31.791 | ng/ul | |
| 93) Benzo(a)pyrene | 23.903 | 252 | 6708631 | 66.199 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 26.568 | 276 | 4502285 | 38.044 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.574 | 278 | 1261475 | 11.754 | ng/ul# | 91 |
| 96) Benzo(g,h,i)perylene | 27.356 | 276 | 3420046 | 33.336 | ng/ul | 98 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091922\
Data File : BM036601.D
Acq On : 20 Sep 2022 04:24
Operator : CG/JU
Sample : N4604-16
Misc :
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 20 05:16:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM091522.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 16 02:39:54 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
A5776

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/20/2022
Supervised By :mohammad ahmed 09/21/2022