

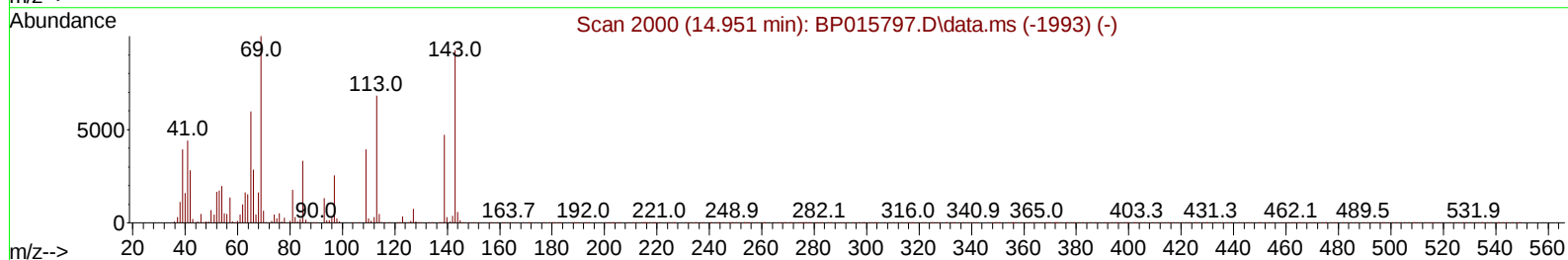
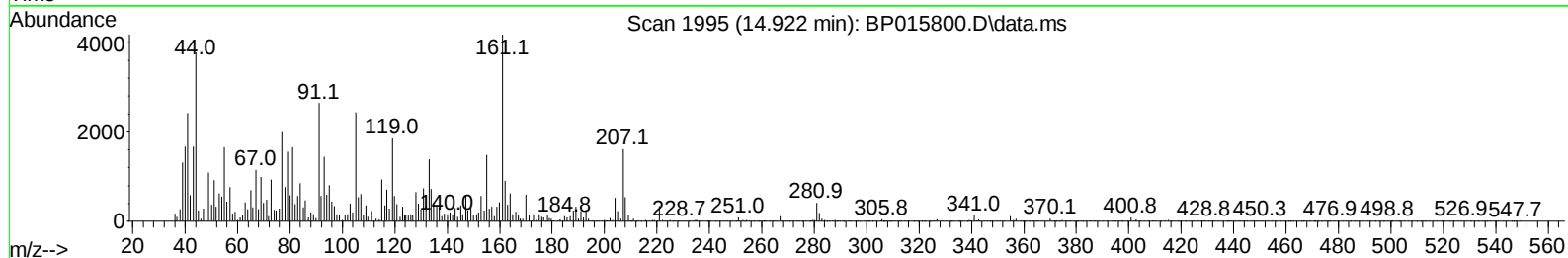
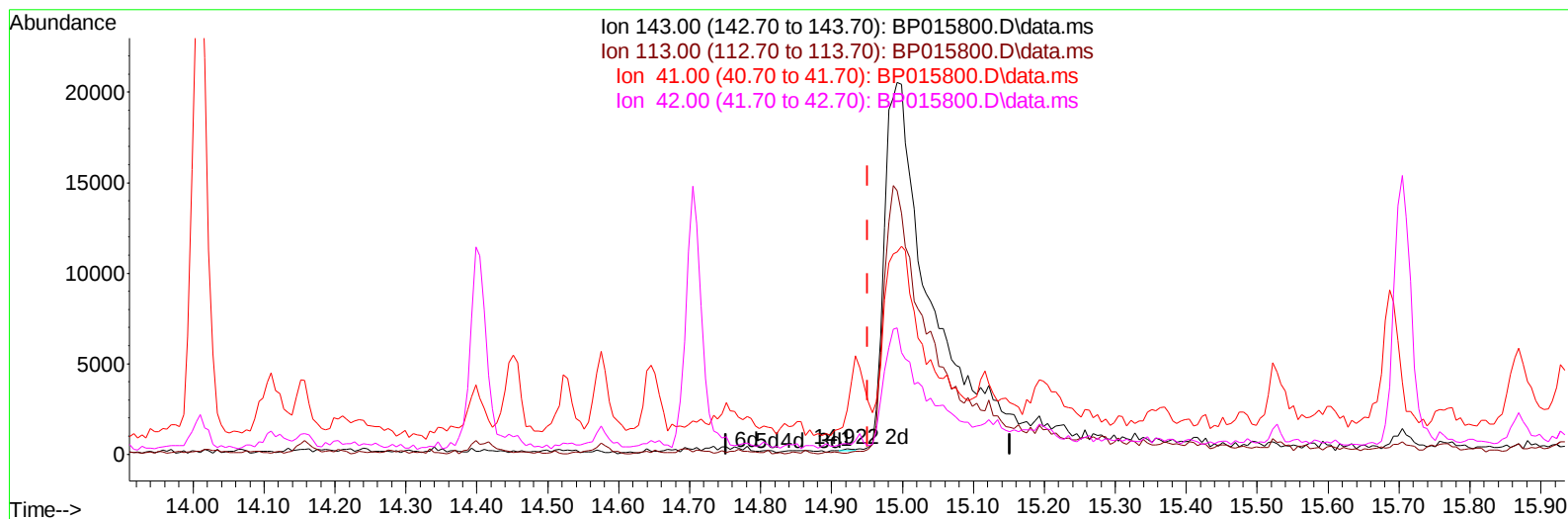
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
Data File : BP015800.D  
Acq On : 29 Jun 2023 08:59  
Operator : MA/JU  
Sample : 03143-12  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFU9

Manual IntegrationsAPPROVED

Quant Time: Jun 29 09:28:17 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 29 02:30:23 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



TIC: BP015800.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.922min (-0.029) 0.02 ng/u1

response 110

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 143.00 | 100.00 | 100.00  |
| 113.00 | 94.00  | 20.48#  |
| 41.00  | 45.70  | 827.30# |
| 42.00  | 31.20  | 200.00# |

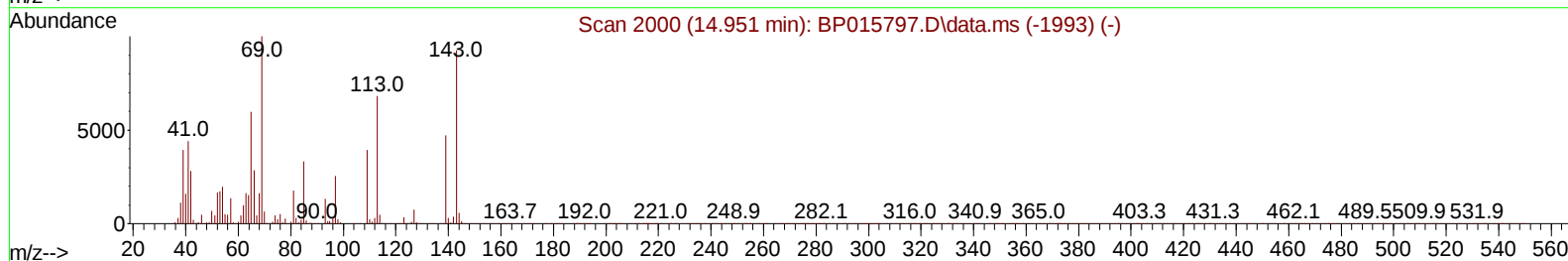
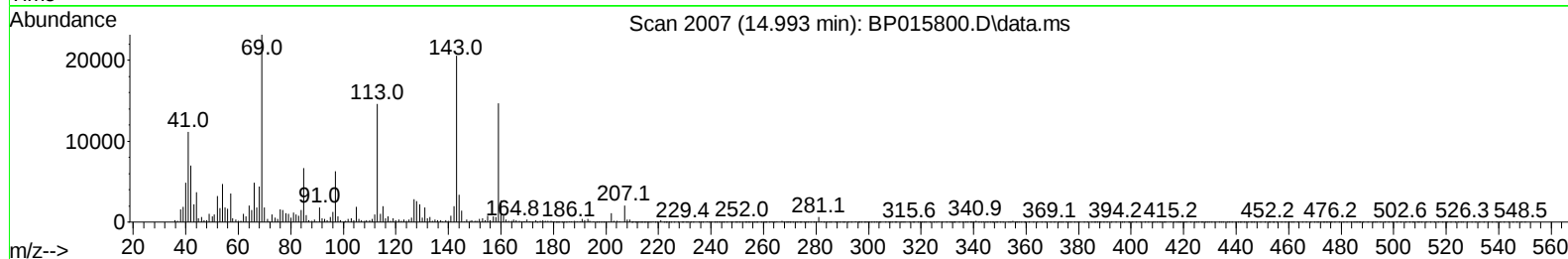
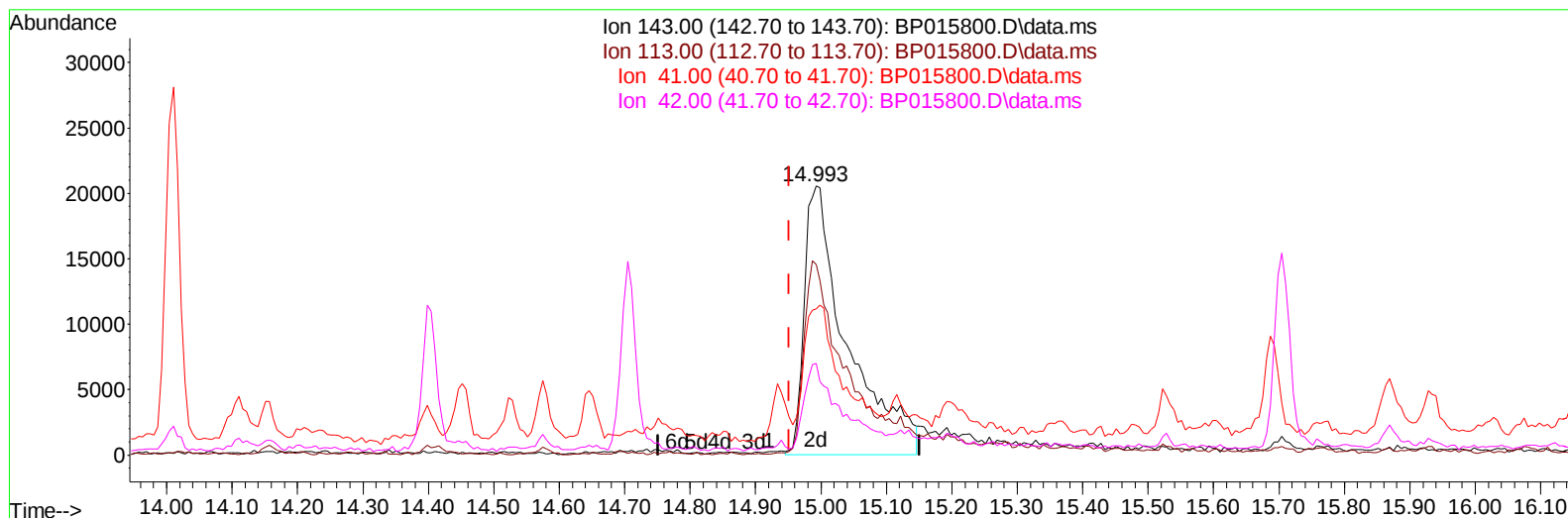
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
Data File : BP015800.D  
Acq On : 29 Jun 2023 08:59  
Operator : MA/JU  
Sample : 03143-12  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFU9

Manual IntegrationsAPPROVED

Quant Time: Jun 29 09:29:52 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 29 02:30:23 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



TIC: BP015800.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.993min (+ 0.041) 14.62 ng/ul m

response 93229

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 94.00  | 70.92# |
| 41.00  | 45.70  | 54.43  |
| 42.00  | 31.20  | 34.01  |

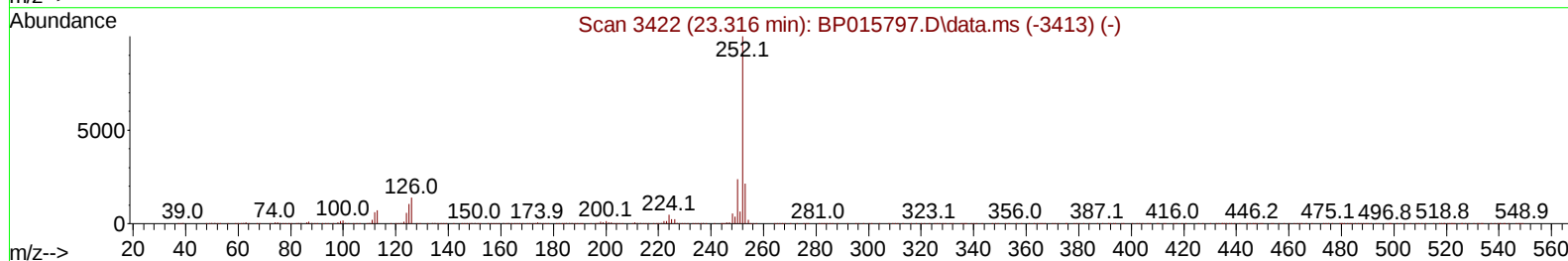
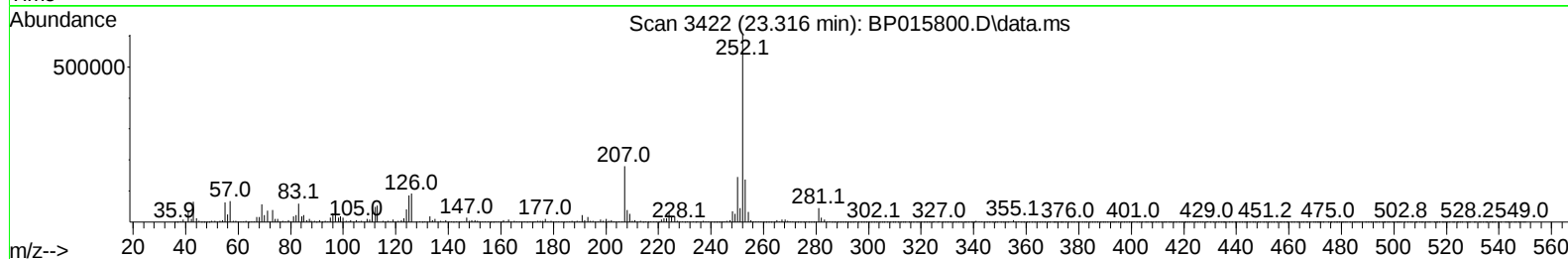
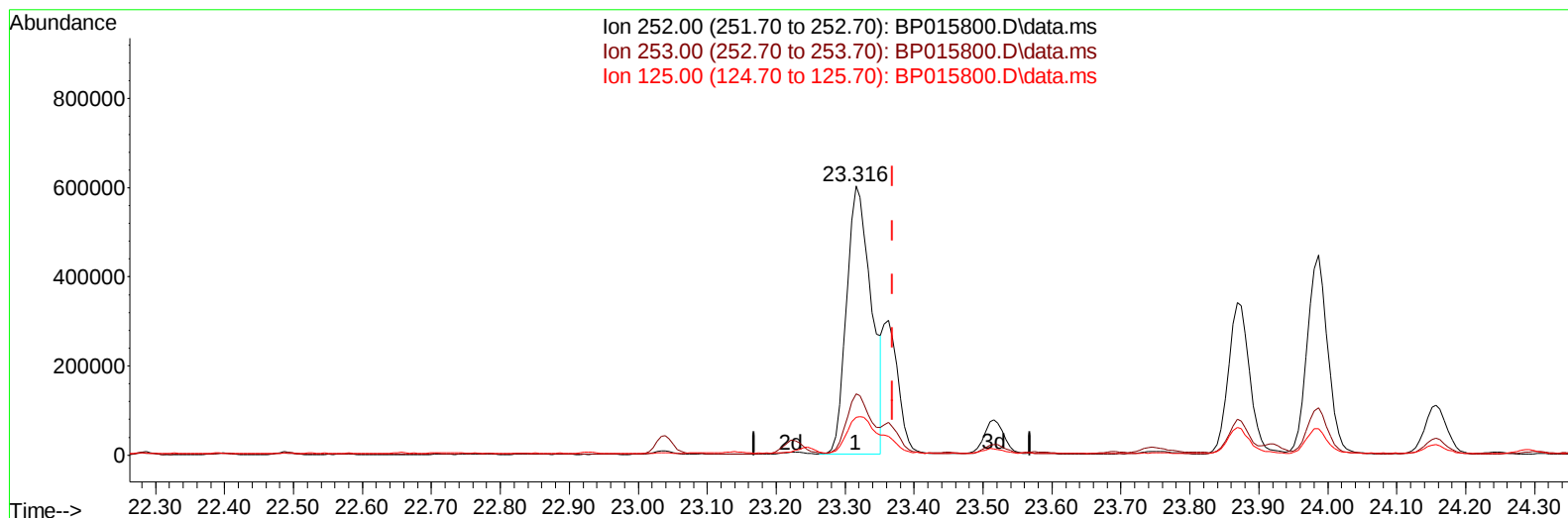
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
 Data File : BP015800.D  
 Acq On : 29 Jun 2023 08:59  
 Operator : MA/JU  
 Sample : 03143-12  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFU9

Manual IntegrationsAPPROVED

Quant Time: Jun 29 09:30:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 29 02:30:23 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/29/2023



TIC: BP015800.D\data.ms

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

**23.316min (-0.053) 19.89 ng/u1**

**response 1502428**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.20  | 22.69  |
| 125.00 | 9.10   | 14.09# |
| 0.00   | 0.00   | 0.00   |

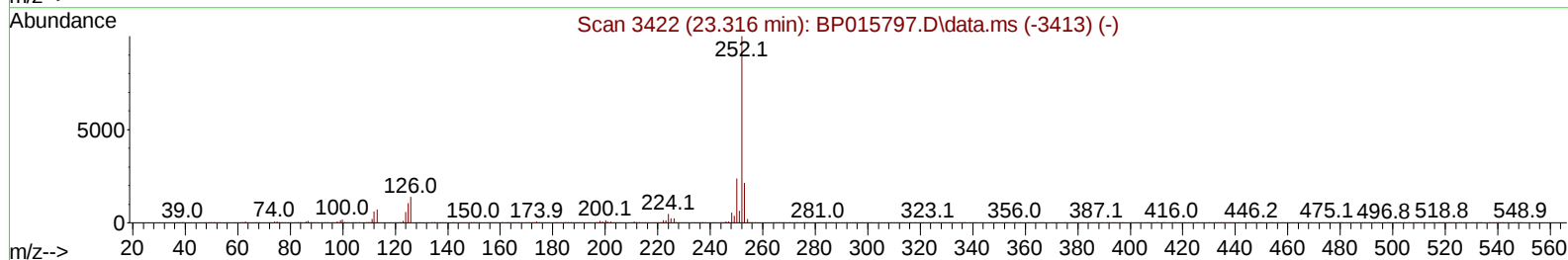
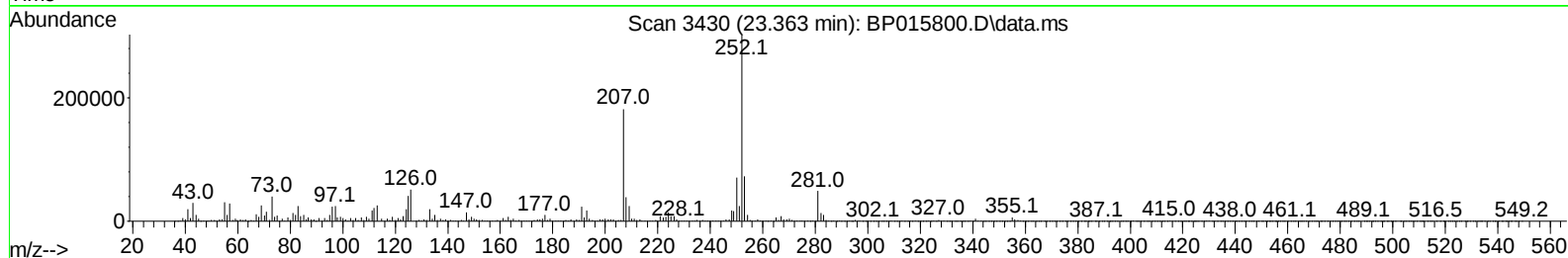
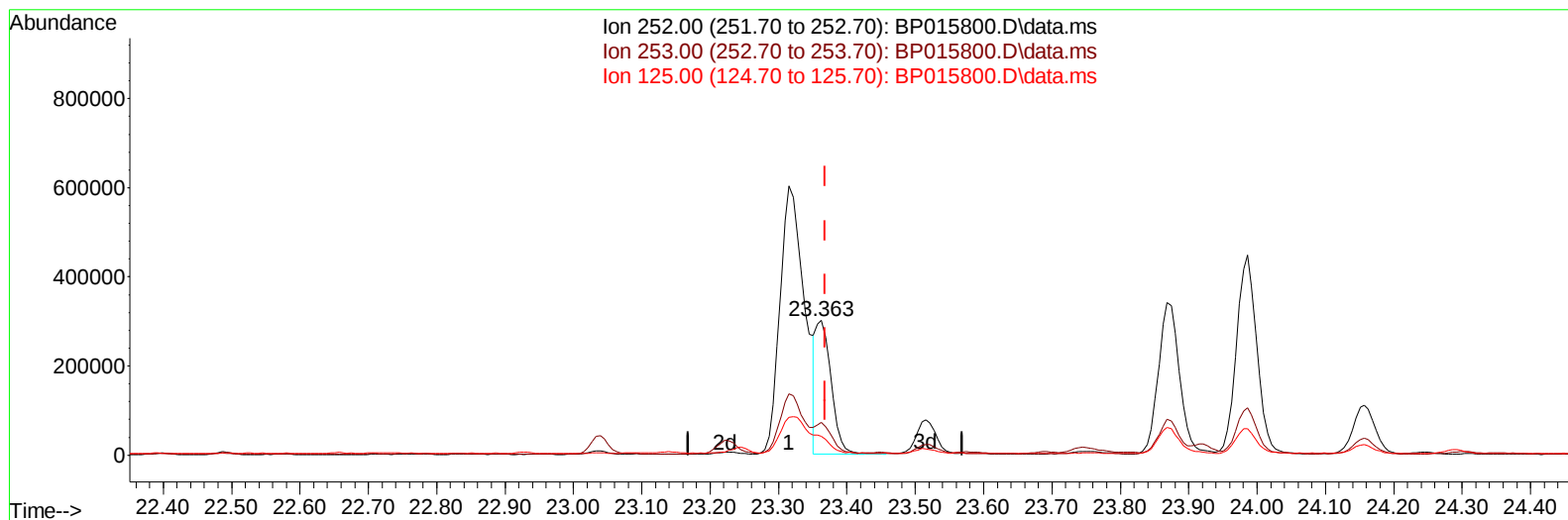
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
 Data File : BP015800.D  
 Acq On : 29 Jun 2023 08:59  
 Operator : MA/JU  
 Sample : 03143-12  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFU9

Manual IntegrationsAPPROVED

Quant Time: Jun 29 09:30:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 29 02:30:23 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/29/2023



TIC: BP015800.D\data.ms

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

**23.363min (-0.006) 6.06 ng/ul m**

**response 457549**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.20  | 24.07  |
| 125.00 | 9.10   | 13.71# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
 Data File : BP015800.D  
 Acq On : 29 Jun 2023 08:59  
 Operator : MA/JU  
 Sample : 03143-12  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFU9

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 29 09:31:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 29 02:30:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.058  | 152  | 306471   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 1228814  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.704 | 164  | 625161   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1059234  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.551 | 240  | 924424   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 24.098 | 264  | 1163547  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 29115    | 3.418  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.828  | 84   | 233319   | 10.866 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.234  | 99   | 530329   | 20.225 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 371809   | 22.919 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 440586   | 22.258 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 337315   | 16.284 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.246  | 128  | 203650   | 21.686 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.975  | 143  | 221746   | 20.231 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.546 | 165  | 348945   | 17.866 | ng/ul  | 0.03     |
| 31) 4-Chloroaniline-d4        | 11.075 | 131  | 197989   | 7.891  | ng/ul  | 0.04     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 1058507  | 21.906 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.404 | 160  | 1215012  | 22.368 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.993 | 143  | 93229m   | 14.621 | ng/ul  | 0.04     |
| 60) Fluorene-d10              | 15.704 | 176  | 826081   | 20.763 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.869 | 200  | 84933    | 13.038 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.569 | 188  | 1084736  | 22.419 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1175597  | 19.475 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.933 | 264  | 1318744  | 22.468 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.510 | 178  | 478495   | 8.315  | ng/ul  | 99       |
| 74) Anthracene                | 17.604 | 178  | 78421    | 1.356  | ng/ul  | 96       |
| 80) Fluoranthene              | 19.469 | 202  | 1649781  | 21.991 | ng/ul# | 93       |
| 82) Pyrene                    | 19.822 | 202  | 1318943  | 17.235 | ng/ul# | 89       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 758442   | 11.663 | ng/ul  | 97       |
| 87) Chrysene                  | 21.592 | 228  | 918982   | 14.895 | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 1502428  | 20.096 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 457549m  | 6.057  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 921222   | 14.102 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.798 | 276  | 788011   | 8.886  | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.798 | 278  | 208451   | 2.862  | ng/ul# | 76       |
| 96) Benzo(g,h,i)perylene      | 27.633 | 276  | 706880   | 9.689  | ng/ul# | 94       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
Data File : BP015800.D  
Acq On : 29 Jun 2023 08:59  
Operator : MA/JU  
Sample : 03143-12  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFU9

## Manual IntegrationsAPPROVED

Quant Time: Jun 29 09:31:19 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 29 02:30:23 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023

