

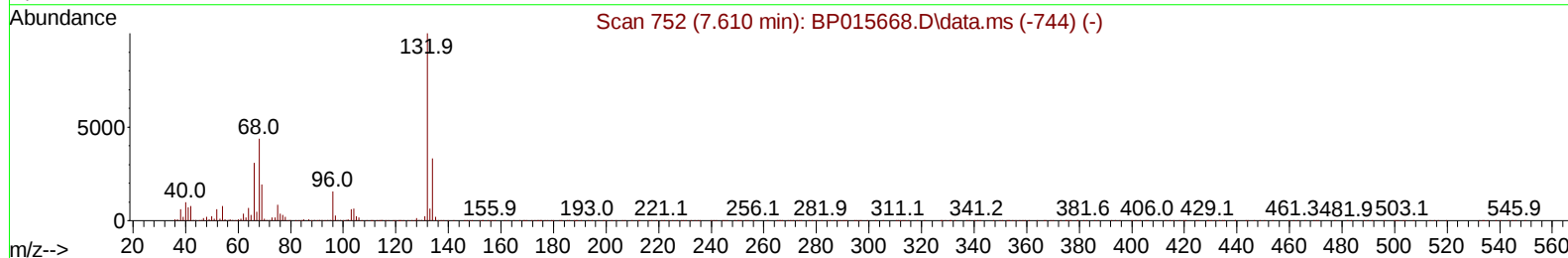
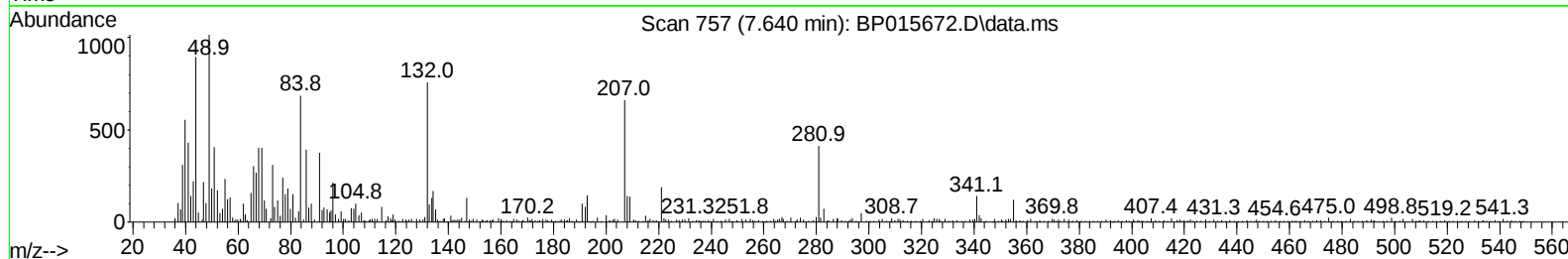
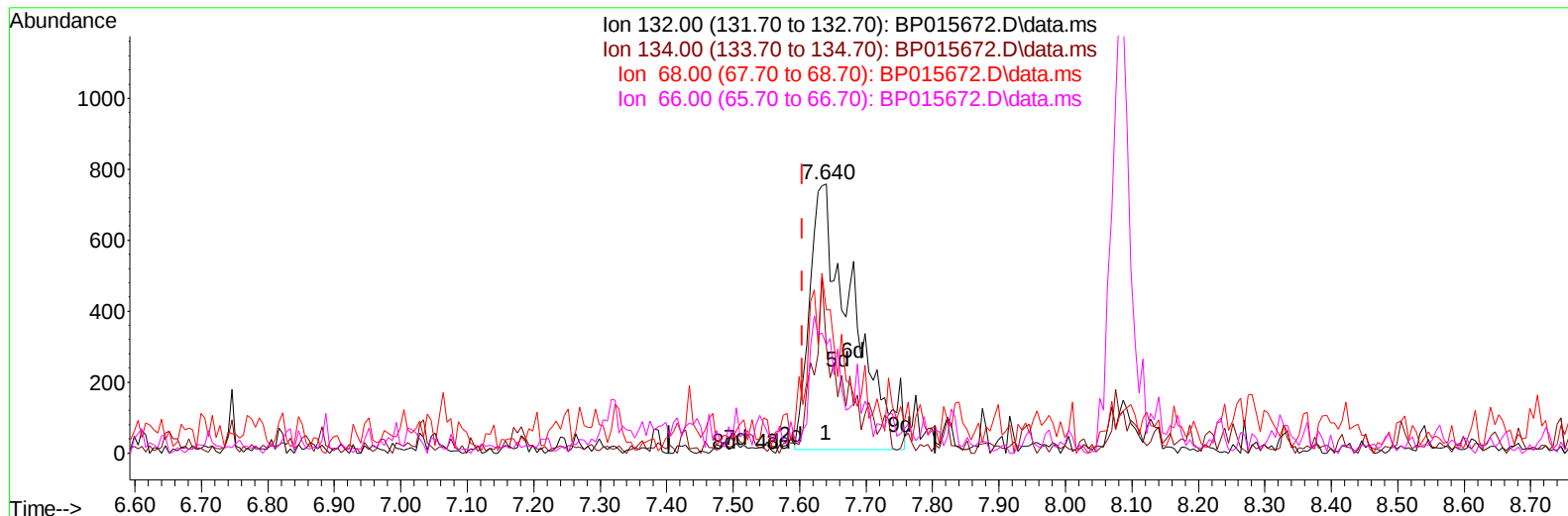
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
Data File : BP015672.D  
Acq On : 23 Jun 2023 15:30  
Operator : MA/JU  
Sample : 03083-13DL2 30X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:27:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 22 22:01:49 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.640min (+ 0.035) 0.49 ng/u1 m

response 3366

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 132.00 | 100.00 | 100.00 |
| 134.00 | 30.60  | 22.16# |
| 68.00  | 43.70  | 53.17# |
| 66.00  | 31.30  | 40.11# |

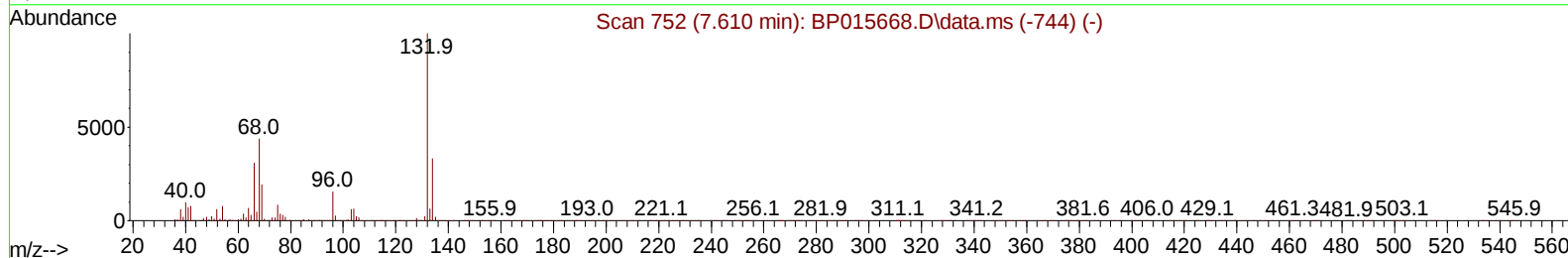
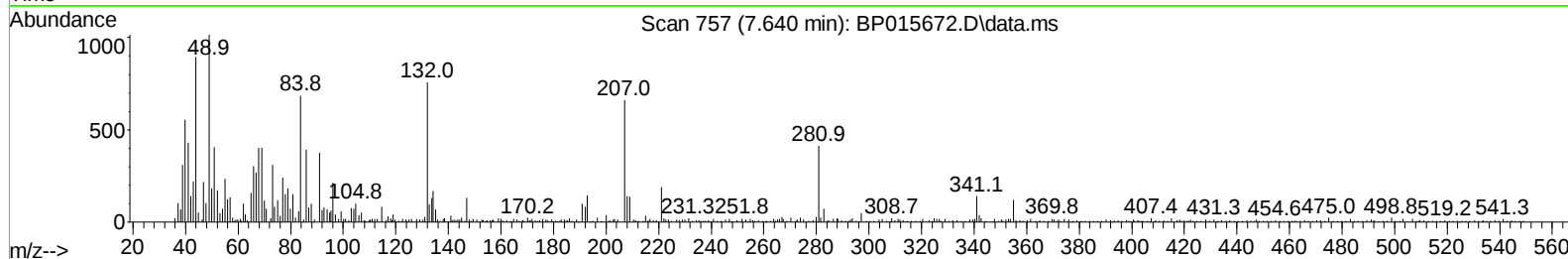
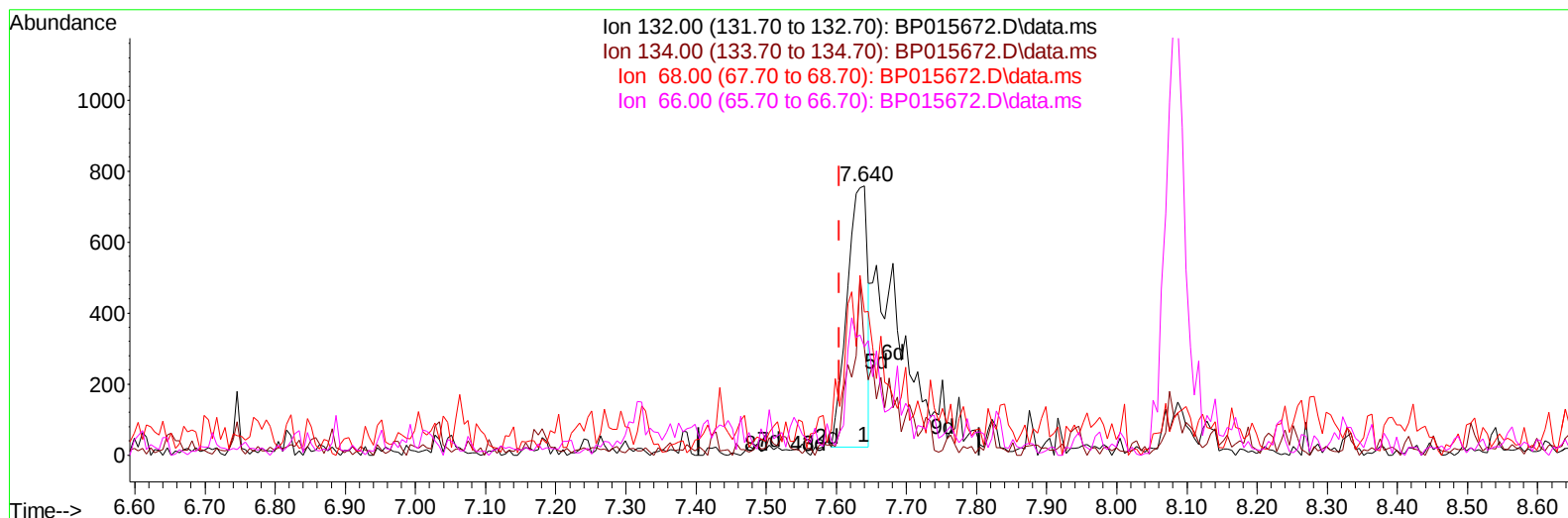
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015672.D  
 Acq On : 23 Jun 2023 15:30  
 Operator : MA/JU  
 Sample : 03083-13DL2 30X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 27 09:08:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

**(11) 2-Chlorophenol-d4 (S)**

**7.640min (+ 0.035) 0.22 ng/u1**

**response 1495**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 132.00 | 100.00 | 100.00 |
| 134.00 | 30.60  | 35.17  |
| 68.00  | 43.70  | 47.25  |
| 66.00  | 31.30  | 35.64  |

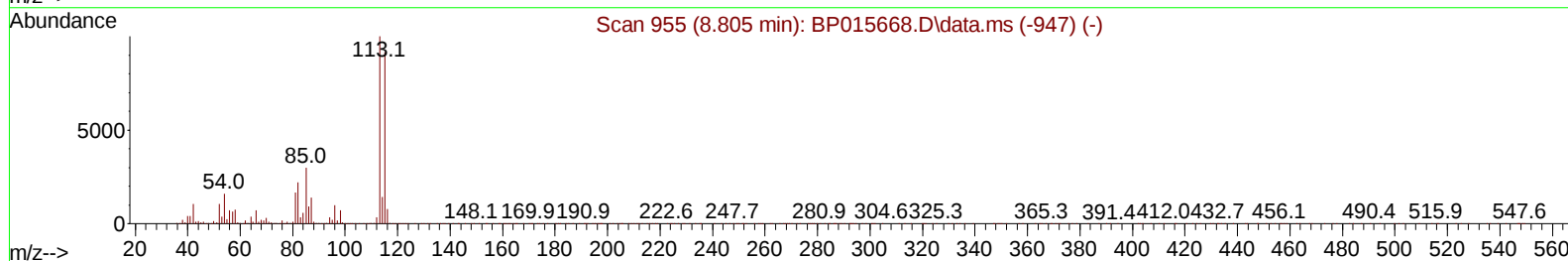
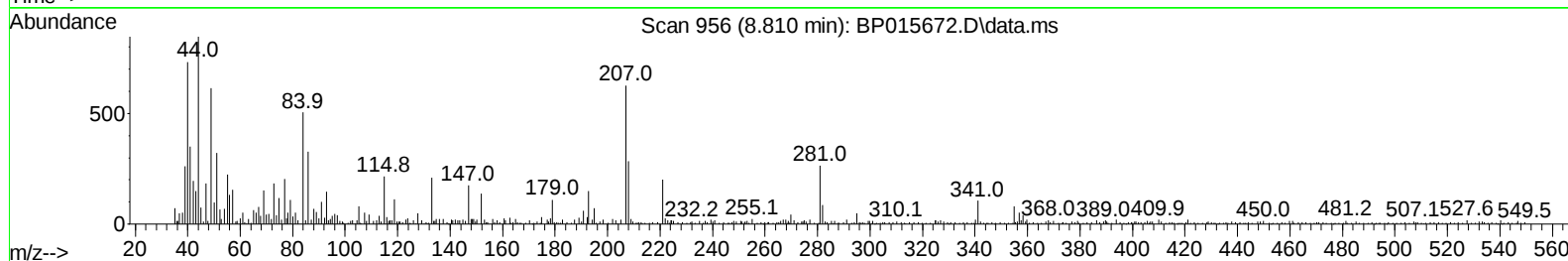
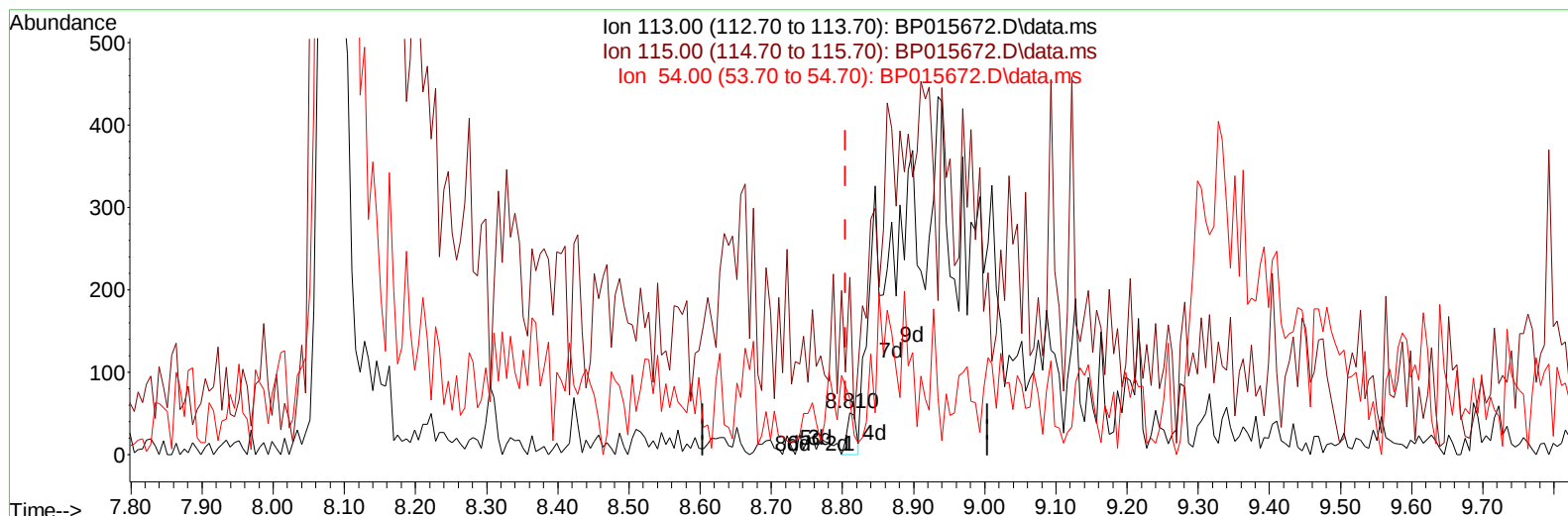
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015672.D  
 Acq On : 23 Jun 2023 15:30  
 Operator : MA/JU  
 Sample : 03083-13DL2 30X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 27 09:08:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.810min (+ 0.006) 0.01 ng/u1

response 46

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 115.00 | 90.60  | 421.57# |
| 54.00  | 14.20  | 133.33# |
| 0.00   | 0.00   | 0.00    |

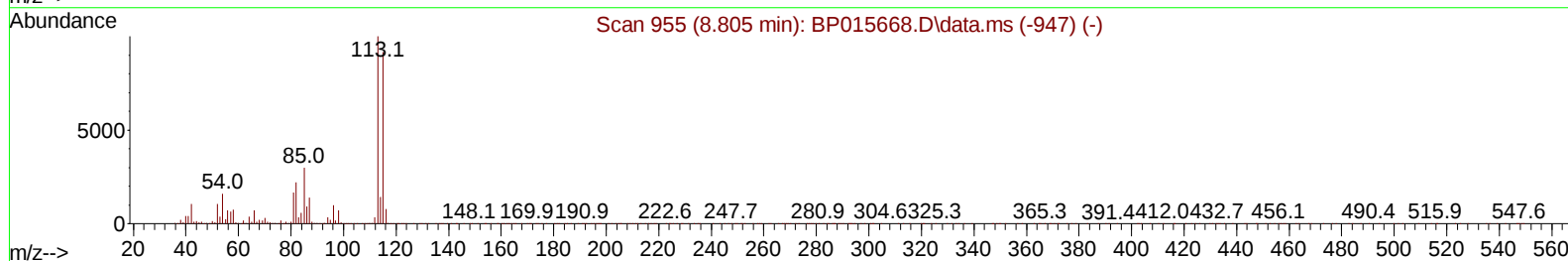
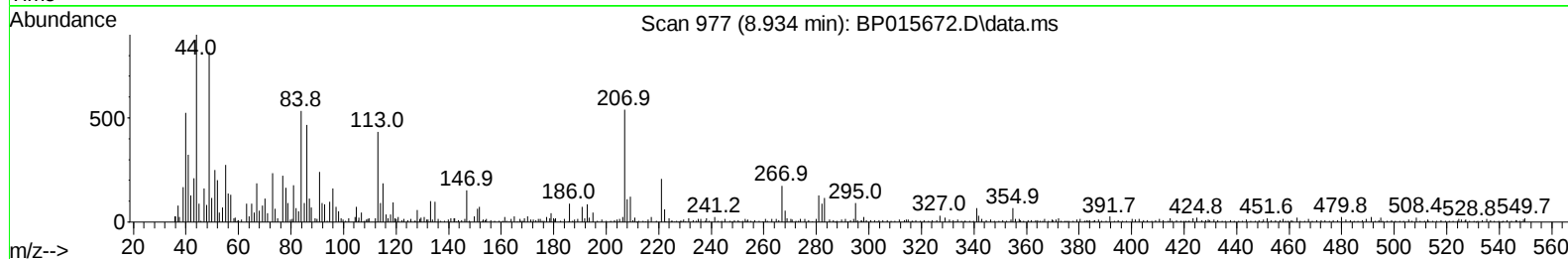
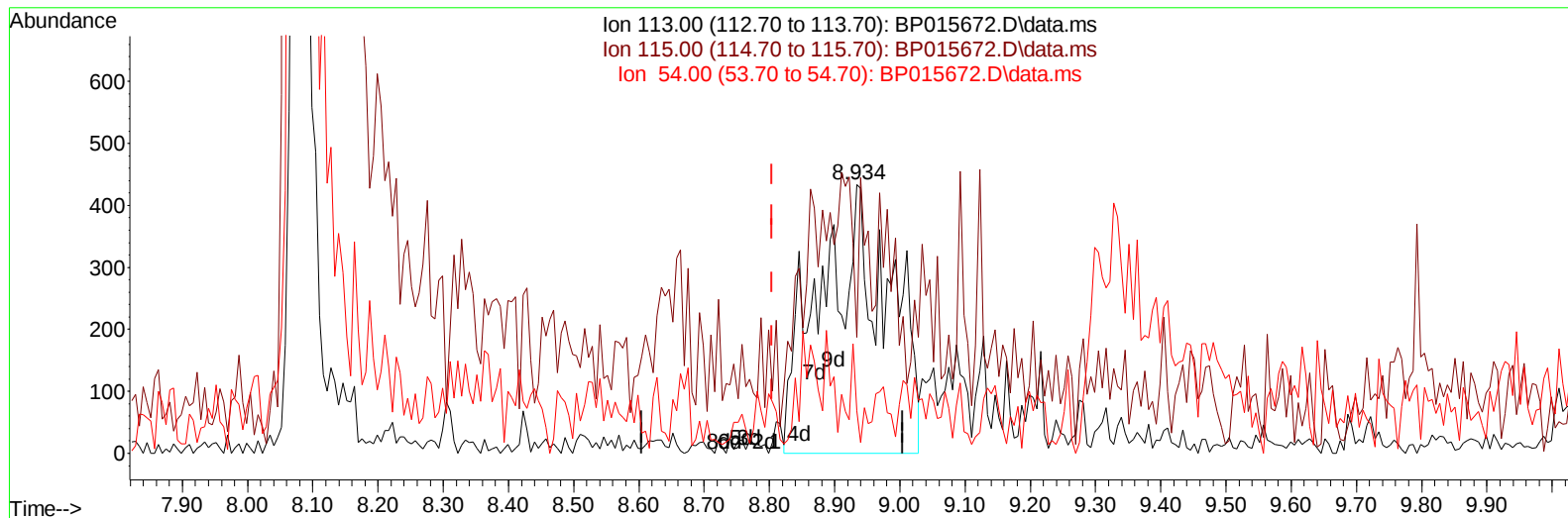
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
Data File : BP015672.D  
Acq On : 23 Jun 2023 15:30  
Operator : MA/JU  
Sample : 03083-13DL2 30X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:27:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 22 22:01:49 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.934min (+ 0.130) 0.39 ng/u1 m

response 3088

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 115.00 | 90.60  | 43.09# |
| 54.00  | 14.20  | 15.90  |
| 0.00   | 0.00   | 0.00   |

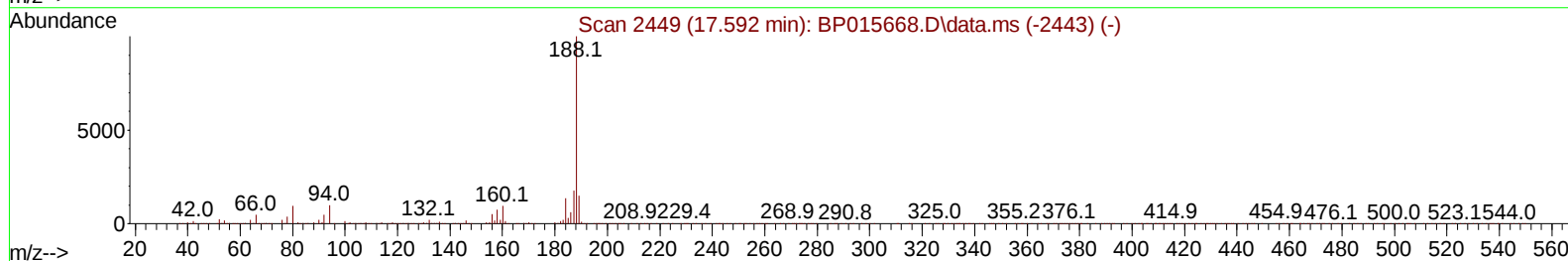
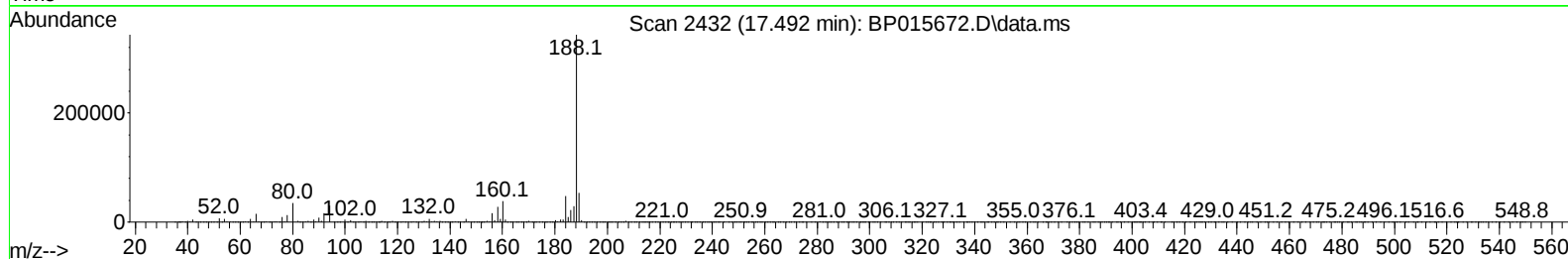
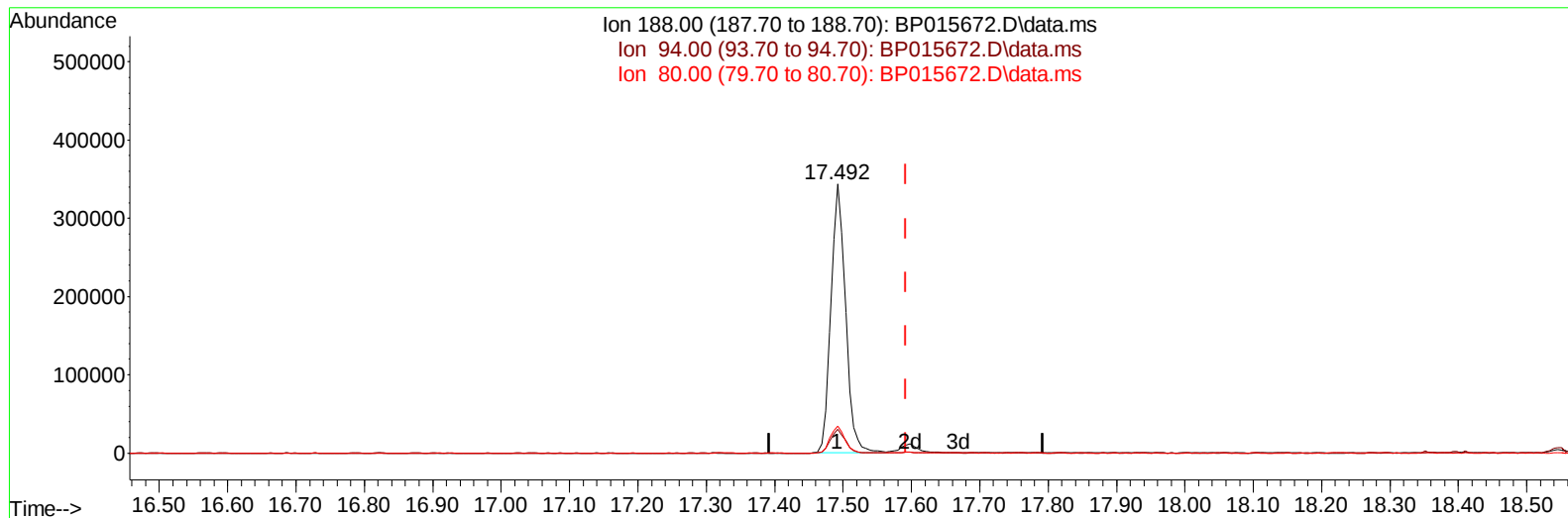
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015672.D  
 Acq On : 23 Jun 2023 15:30  
 Operator : MA/JU  
 Sample : 03083-13DL2 30X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 27 09:08:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

**(73) Anthracene-d10 (S)**

**17.492min (-0.100) 21.98 ng/u1**

**response 512608**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 10.70  | 8.82   |
| 80.00  | 9.60   | 10.09  |
| 0.00   | 0.00   | 0.00   |

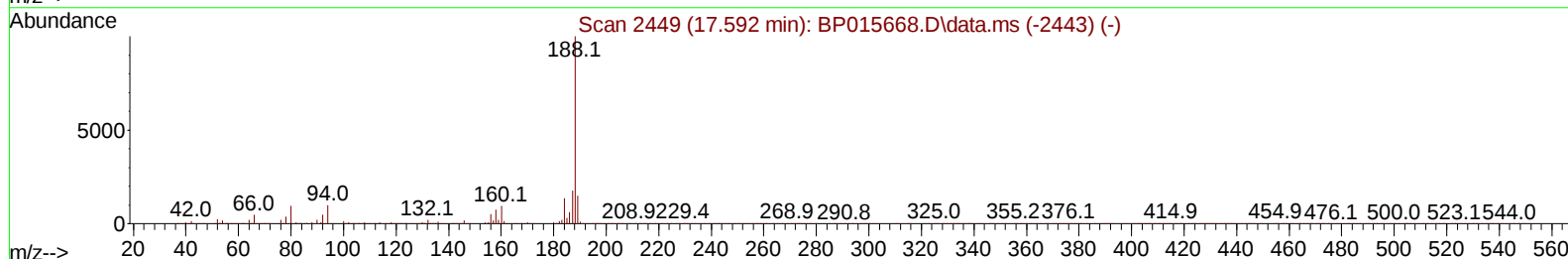
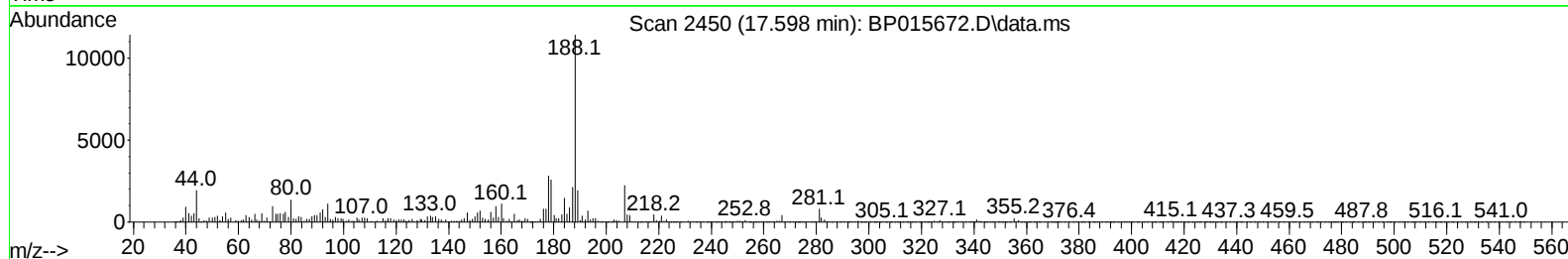
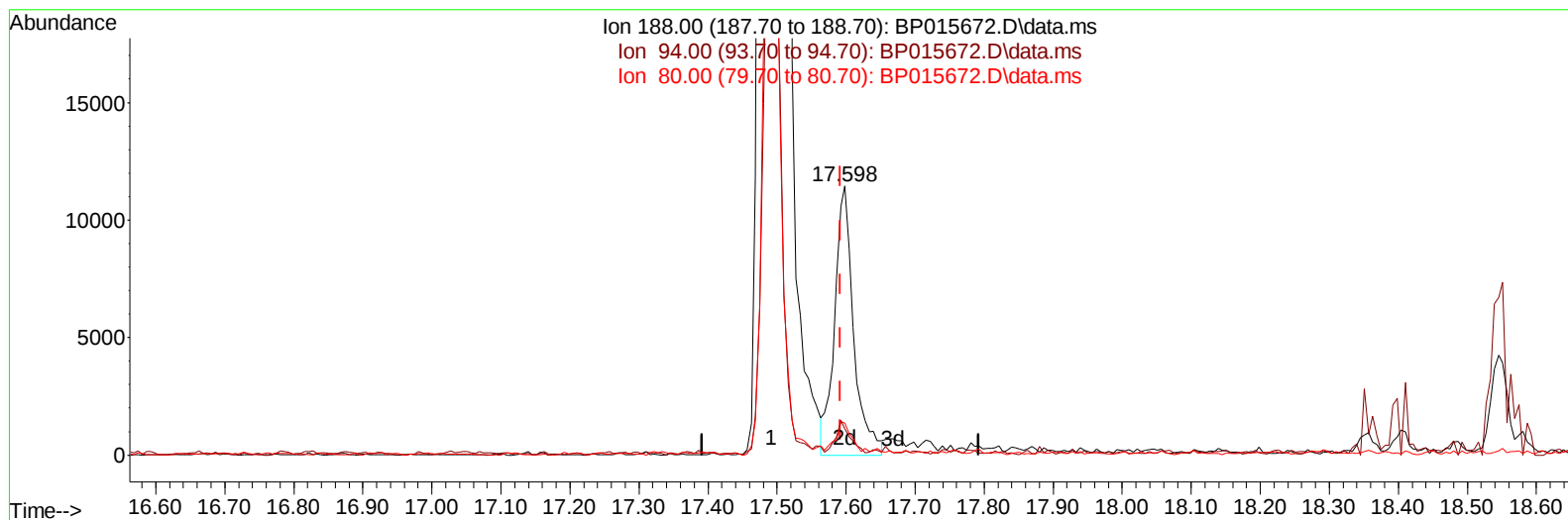
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015672.D  
 Acq On : 23 Jun 2023 15:30  
 Operator : MA/JU  
 Sample : 03083-13DL2 30X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:27:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

**(73) Anthracene-d10 (S)**

**17.598min (+ 0.006) 0.94 ng/u1 m**

**response 21844**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 10.70  | 9.84   |
| 80.00  | 9.60   | 11.88# |
| 0.00   | 0.00   | 0.00   |

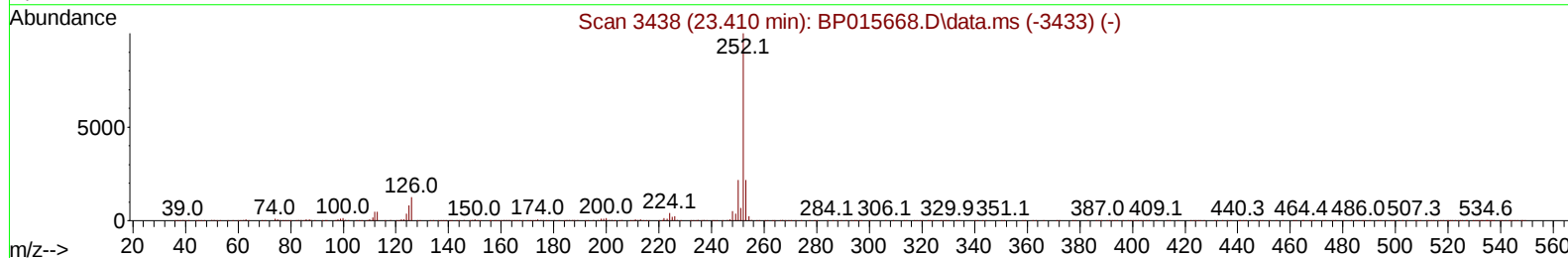
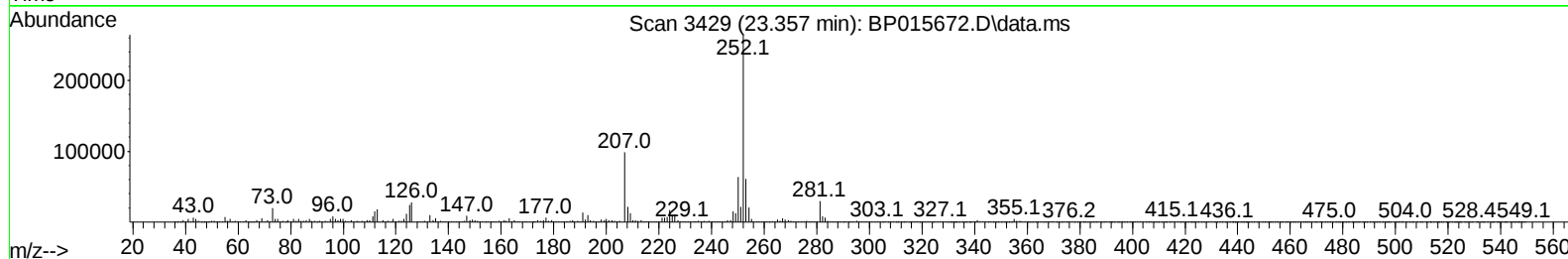
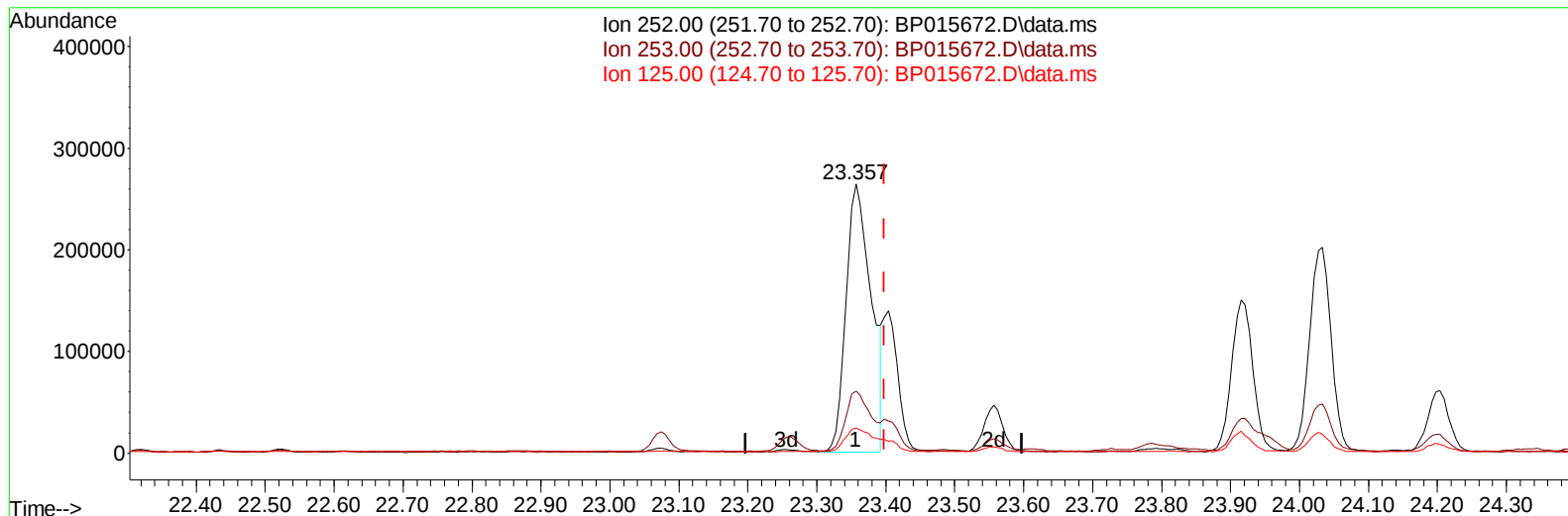
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015672.D  
 Acq On : 23 Jun 2023 15:30  
 Operator : MA/JU  
 Sample : 03083-13DL2 30X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 27 09:08:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

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

**23.357min (-0.041) 16.81 ng/u1**

**response 668995**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 22.98  |
| 125.00 | 9.10   | 9.28   |
| 0.00   | 0.00   | 0.00   |

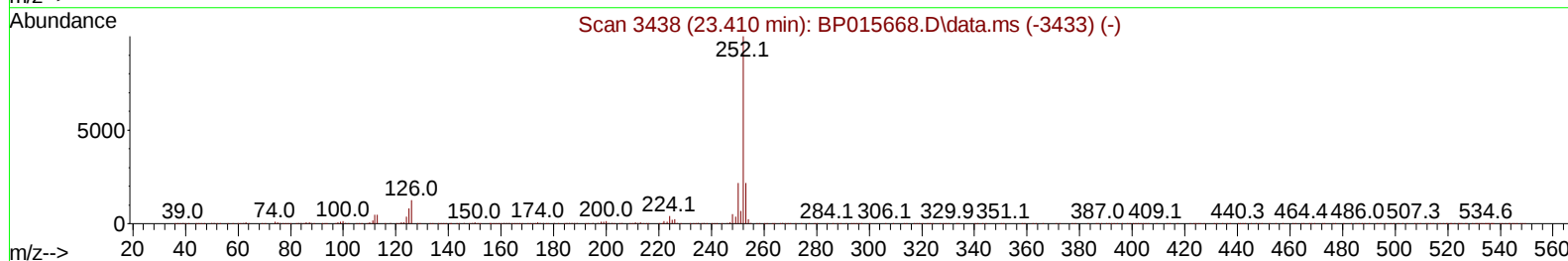
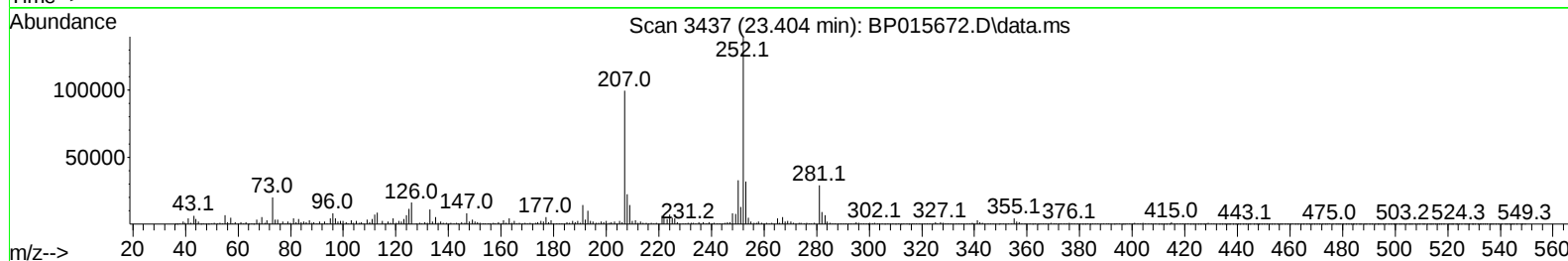
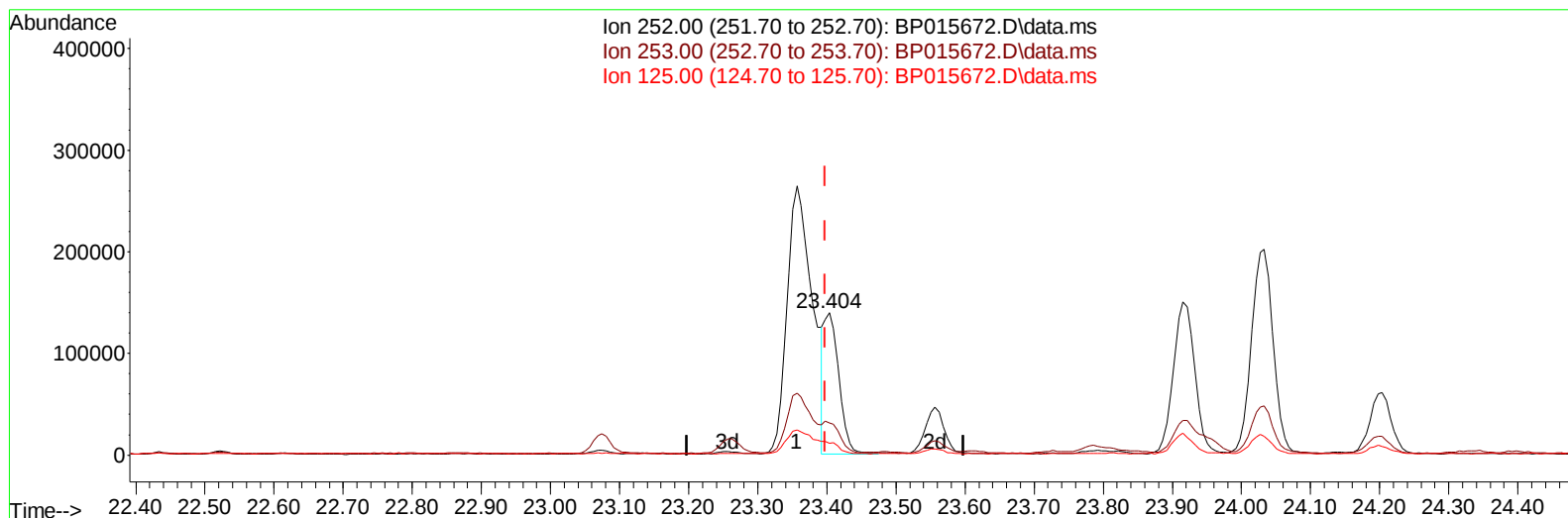
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
Data File : BP015672.D  
Acq On : 23 Jun 2023 15:30  
Operator : MA/JU  
Sample : 03083-13DL2 30X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:27:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 22 22:01:49 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



TIC: BP015672.D\data.ms

(91) Benzo(k)fluoranthene

23.404min (+ 0.006) 5.24 ng/u1 m

response 208353

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10  | 22.68  |
| 125.00 | 9.10   | 8.15   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062323\  
 Data File : BP015672.D  
 Acq On : 23 Jun 2023 15:30  
 Operator : MA/JU  
 Sample : 03083-13DL2 30X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL1DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 24 02:27:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 22 22:01:49 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 103545   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.910 | 136  | 387964   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.728 | 164  | 234069   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 512532   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.586 | 240  | 521187   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.145 | 264  | 637762   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d       | 0.000  | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 0.000  | 99   | 0d       | 0.000  | ng/ul  |          |
| 9) Bis-(2-Chloroethyl)eth...  | 0.000  | 67   | 0d       | 0.000  | ng/ul  |          |
| 11) 2-Chlorophenol-d4         | 7.640  | 132  | 3366m    | 0.487  | ng/ul  | 0.04     |
| 15) 4-Methylphenol-d8         | 8.934  | 113  | 3088m    | 0.394  | ng/ul  | 0.13     |
| 21) Nitrobenzene-d5           | 0.000  | 128  | 0d       | 0.000  | ng/ul  |          |
| 24) 2-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/ul  |          |
| 28) 2,4-Dichlorophenol-d3     | 0.000  | 165  | 0d       | 0.000  | ng/ul  |          |
| 31) 4-Chloroaniline-d4        | 0.000  | 131  | 0d       | 0.000  | ng/ul  |          |
| 46) Dimethylphthalate-d6      | 14.151 | 166  | 10978    | 0.595  | ng/ul  | 0.02     |
| 49) Acenaphthylene-d8         | 14.428 | 160  | 12191    | 0.604  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/ul  |          |
| 60) Fluorene-d10              | 15.734 | 176  | 9484     | 0.609  | ng/ul  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 0.000  | 200  | 0d       | 0.000  | ng/ul  |          |
| 73) Anthracene-d10            | 17.598 | 188  | 21844m   | 0.937  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.816 | 212  | 21522    | 0.772  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.974 | 264  | 23581    | 0.737  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.798 | 153  | 25773    | 1.668  | ng/ul  | 91       |
| 61) Fluorene                  | 15.792 | 166  | 23996    | 1.344  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.539 | 178  | 501614   | 18.238 | ng/ul  | 99       |
| 74) Anthracene                | 17.633 | 178  | 113793   | 4.078  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.492 | 202  | 984082   | 28.962 | ng/ul  | 99       |
| 82) Pyrene                    | 19.851 | 202  | 786120   | 22.363 | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.569 | 228  | 471374   | 12.937 | ng/ul  | 99       |
| 87) Chrysene                  | 21.621 | 228  | 458567   | 13.315 | ng/ul  | 96       |
| 90) Benzo(b)fluoranthene      | 23.357 | 252  | 668995   | 16.251 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.404 | 252  | 208353m  | 5.236  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.033 | 252  | 438269   | 12.211 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.851 | 276  | 345523   | 7.439  | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 26.856 | 278  | 95124    | 2.514  | ng/ul# | 78       |
| 96) Benzo(g,h,i)perylene      | 27.698 | 276  | 313571   | 8.192  | ng/ul  | 96       |
| -----                         |        |      |          |        |        |          |

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

