

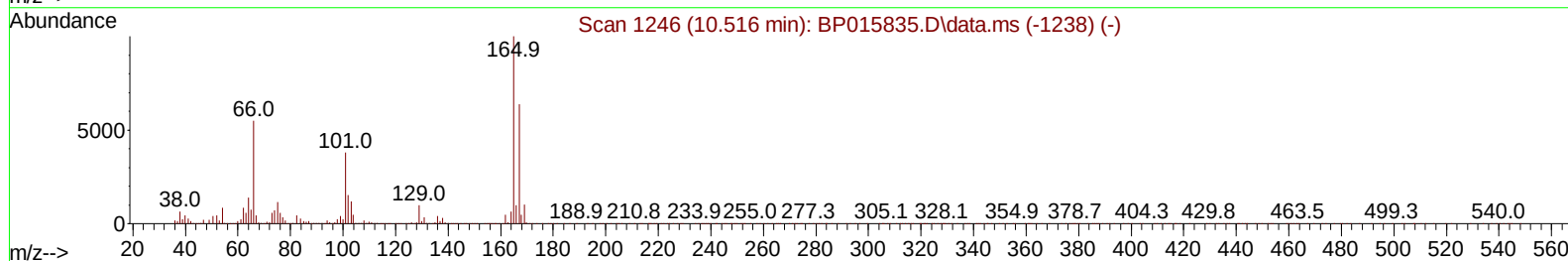
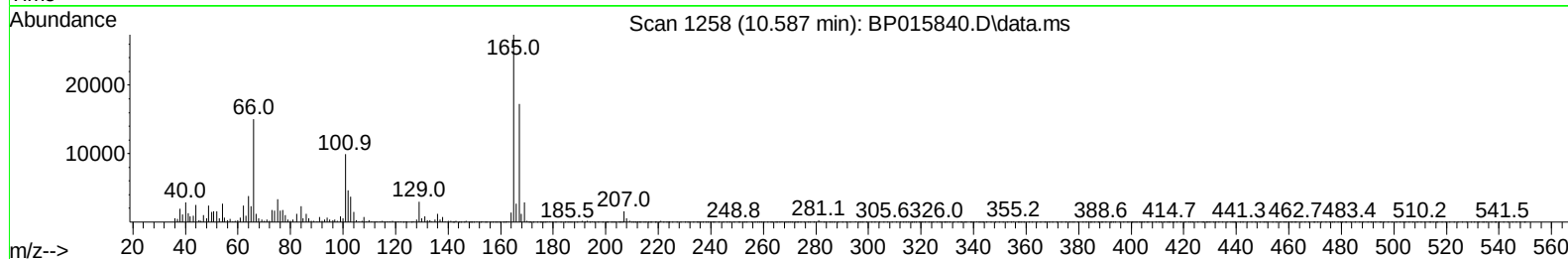
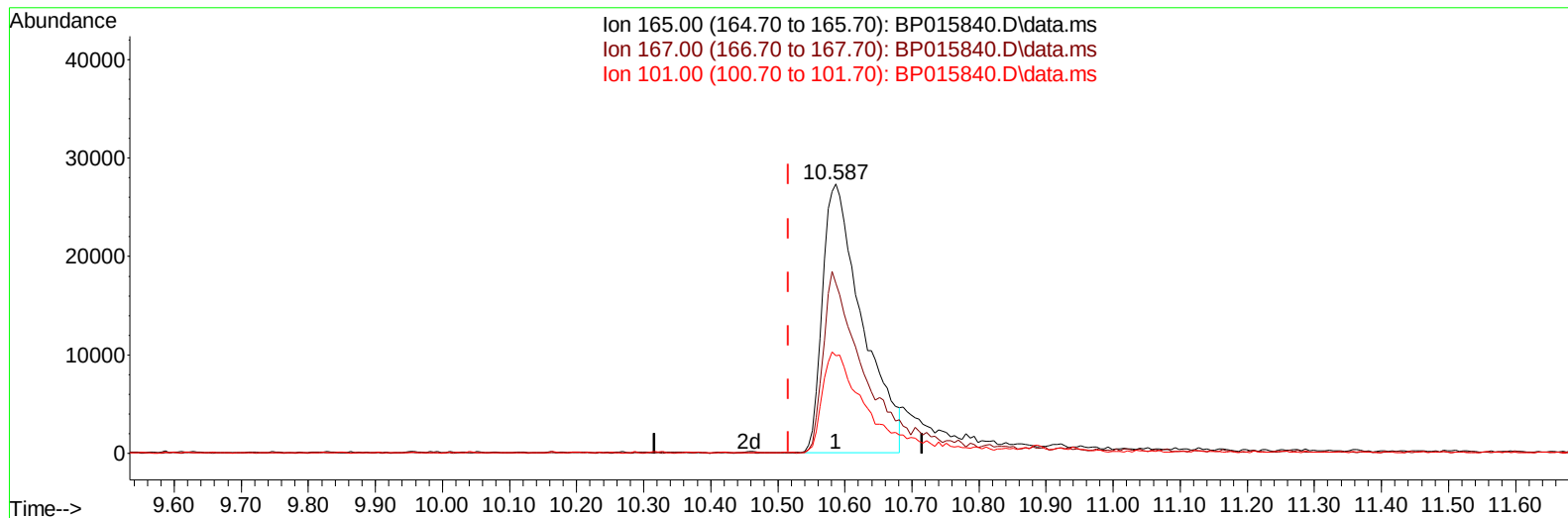
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:32:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.587min (+ 0.071) 6.95 ng/ul

response 112494

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 66.20  | 63.04  |
| 101.00 | 37.30  | 36.22  |
| 0.00   | 0.00   | 0.00   |

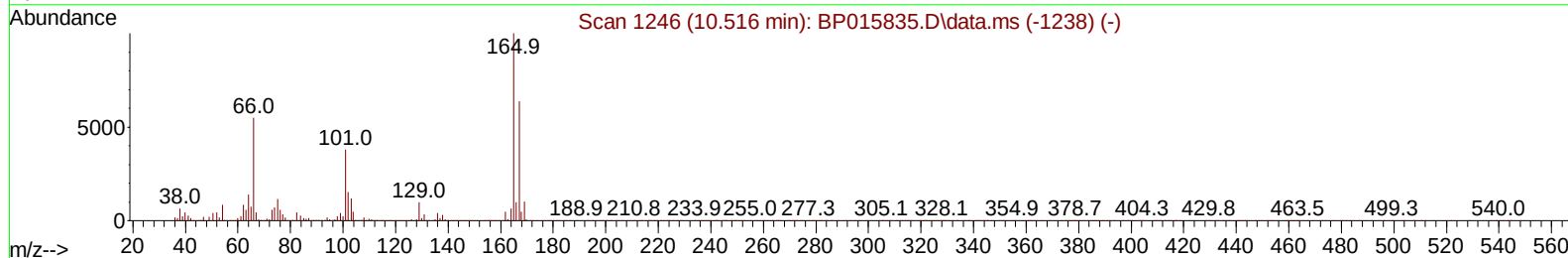
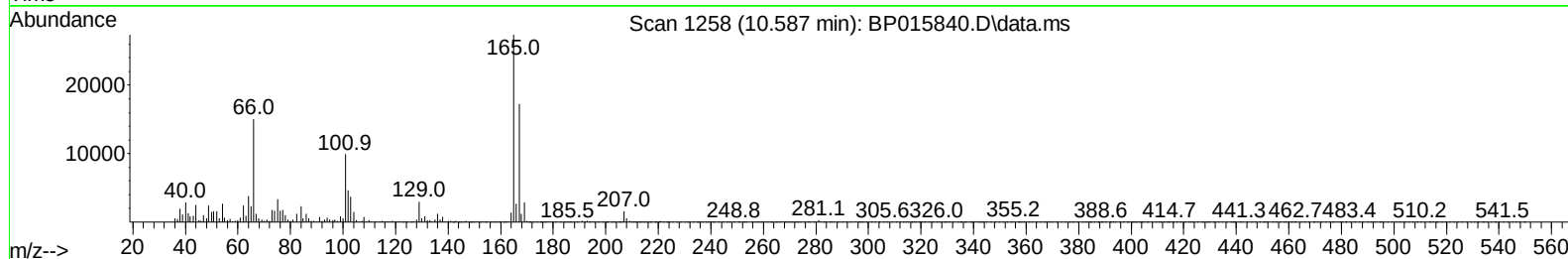
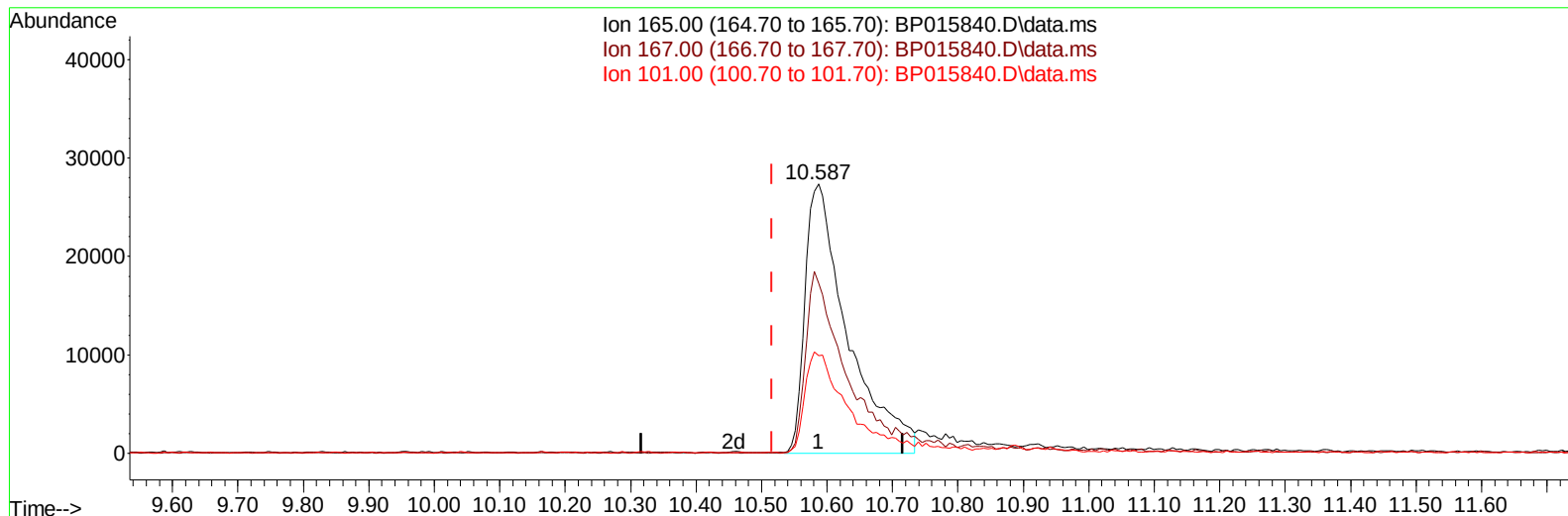
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:32:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.587min (+ 0.071) 7.61 ng/ul m

response 123298

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 66.20  | 63.04  |
| 101.00 | 37.30  | 36.22  |
| 0.00   | 0.00   | 0.00   |

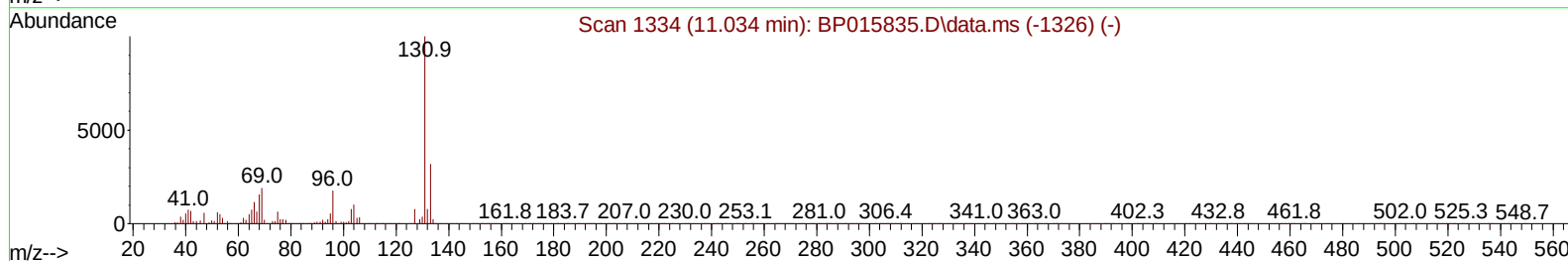
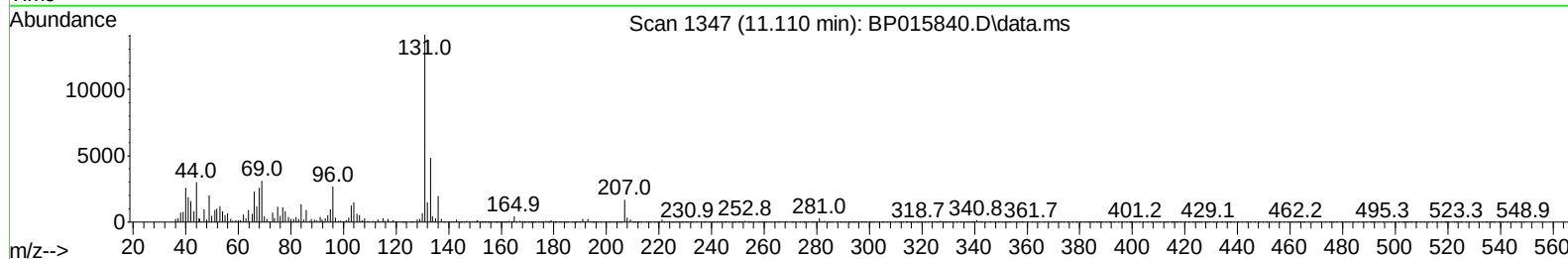
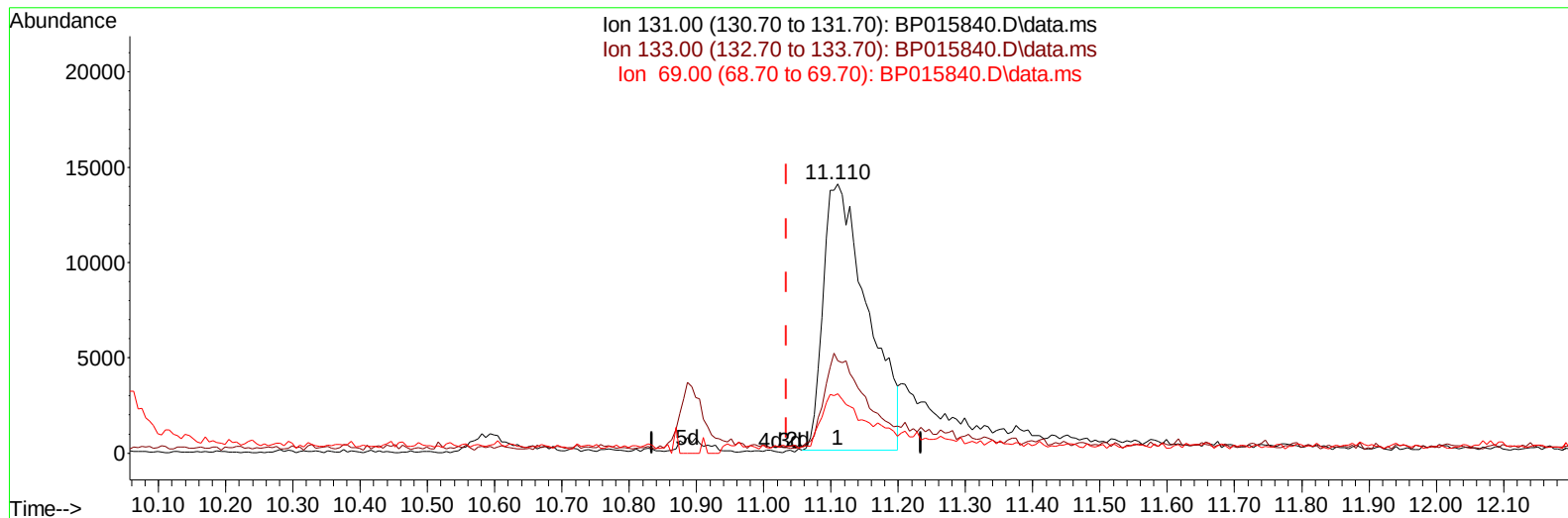
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
Data File : BP015840.D  
Acq On : 30 Jun 2023 12:50  
Operator : MA/JU  
Sample : 03161-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:48:43 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 30 22:30:25 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

(31) 4-Chloroaniline-d4 (S)

11.110min (+ 0.077) 3.06 ng/ul

response 63665

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 34.50  | 34.23  |
| 69.00  | 22.20  | 22.07  |
| 0.00   | 0.00   | 0.00   |

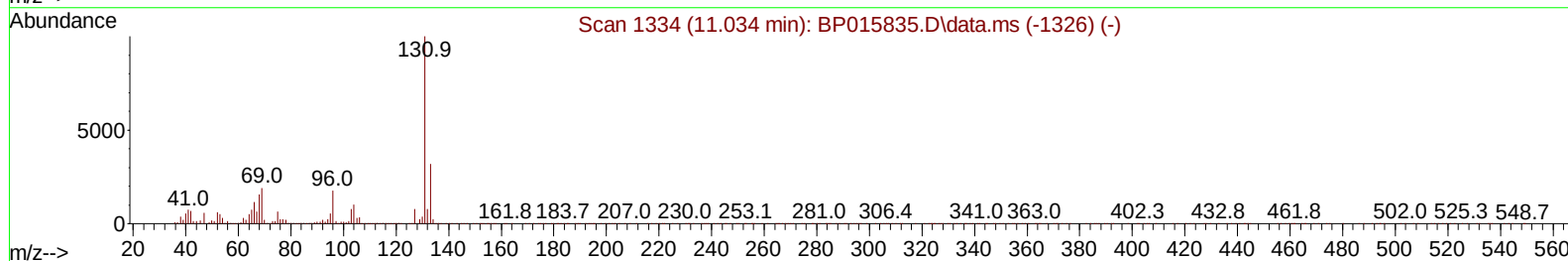
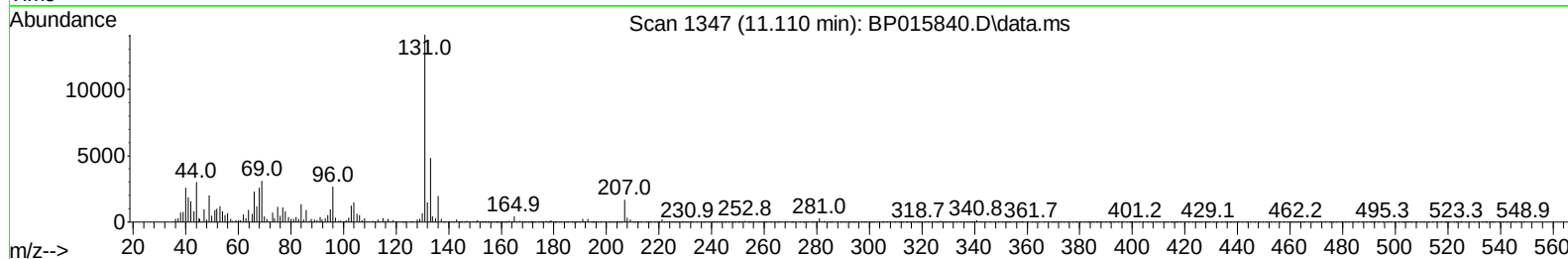
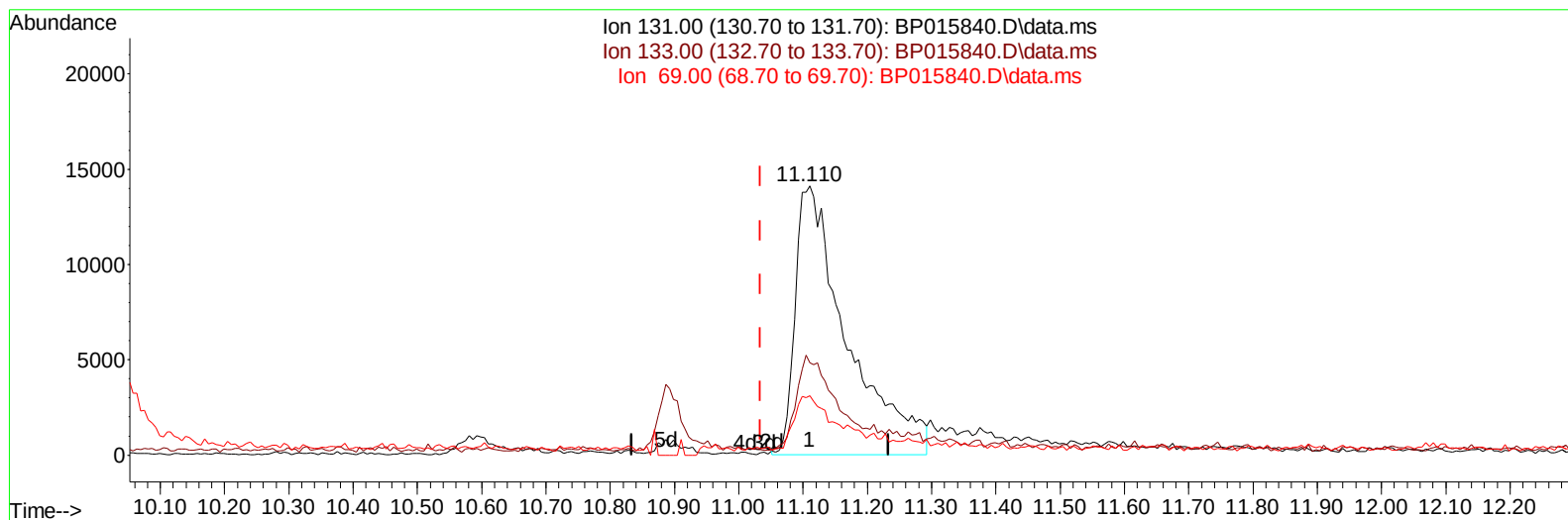
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:48:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**11.110min (+ 0.077) 3.78 ng/ul m**

**response 78711**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 34.50  | 34.23  |
| 69.00  | 22.20  | 22.07  |
| 0.00   | 0.00   | 0.00   |

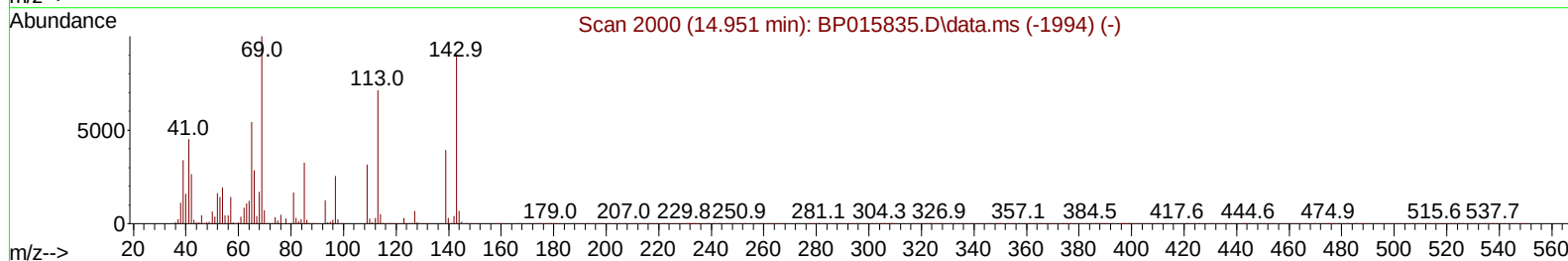
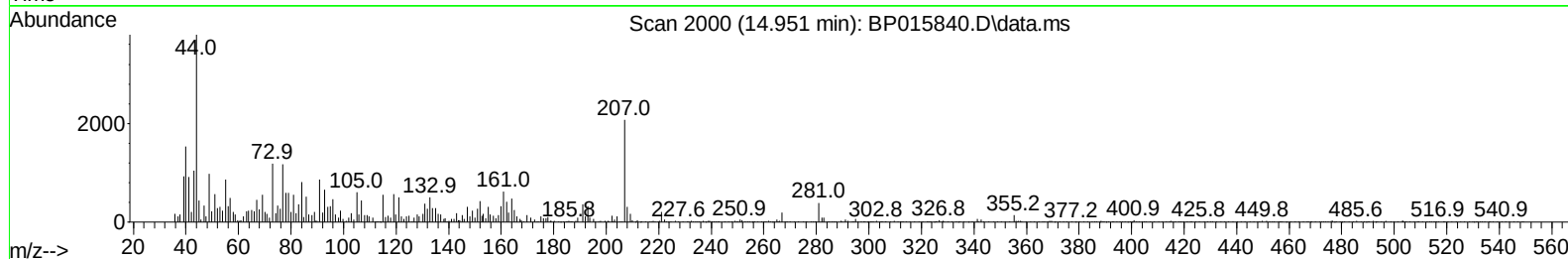
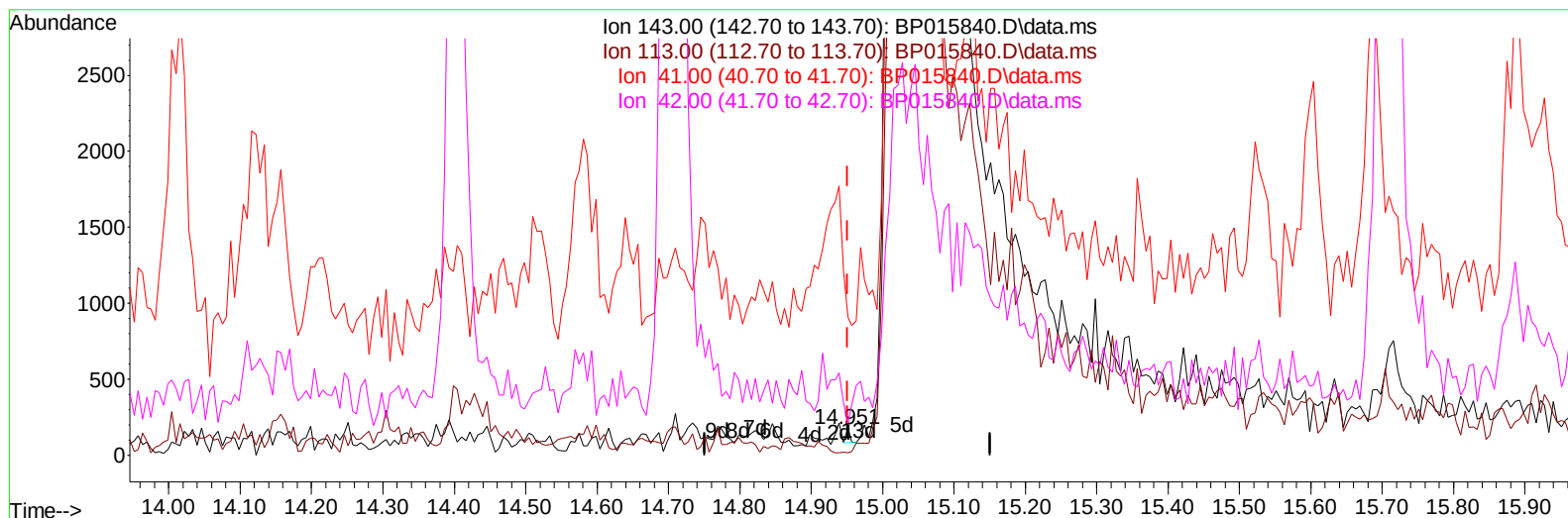
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:49:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.951min (+ 0.000) 0.01 ng/ul**

**response 36**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 143.00 | 100.00 | 100.00  |
| 113.00 | 94.00  | 11.87#  |
| 41.00  | 45.70  | 415.07# |
| 42.00  | 31.20  | 96.35#  |

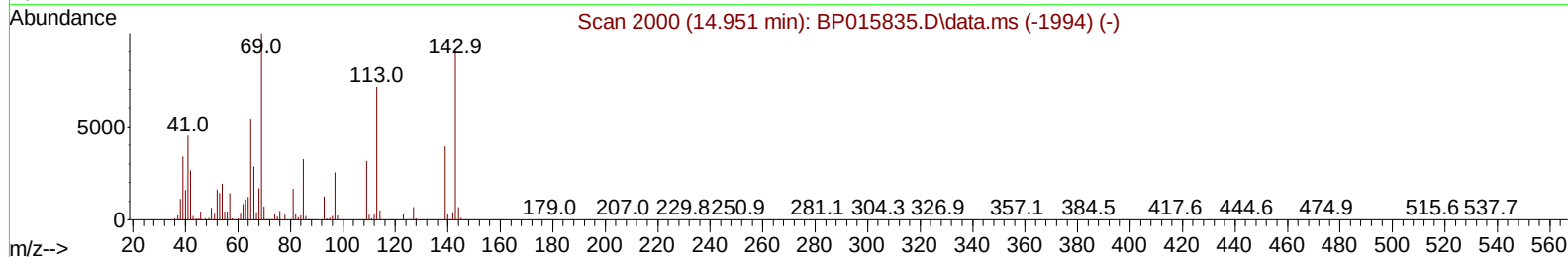
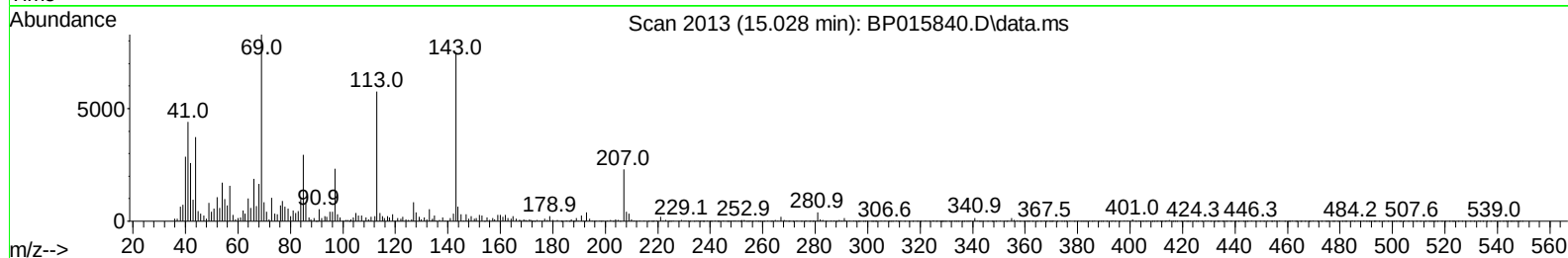
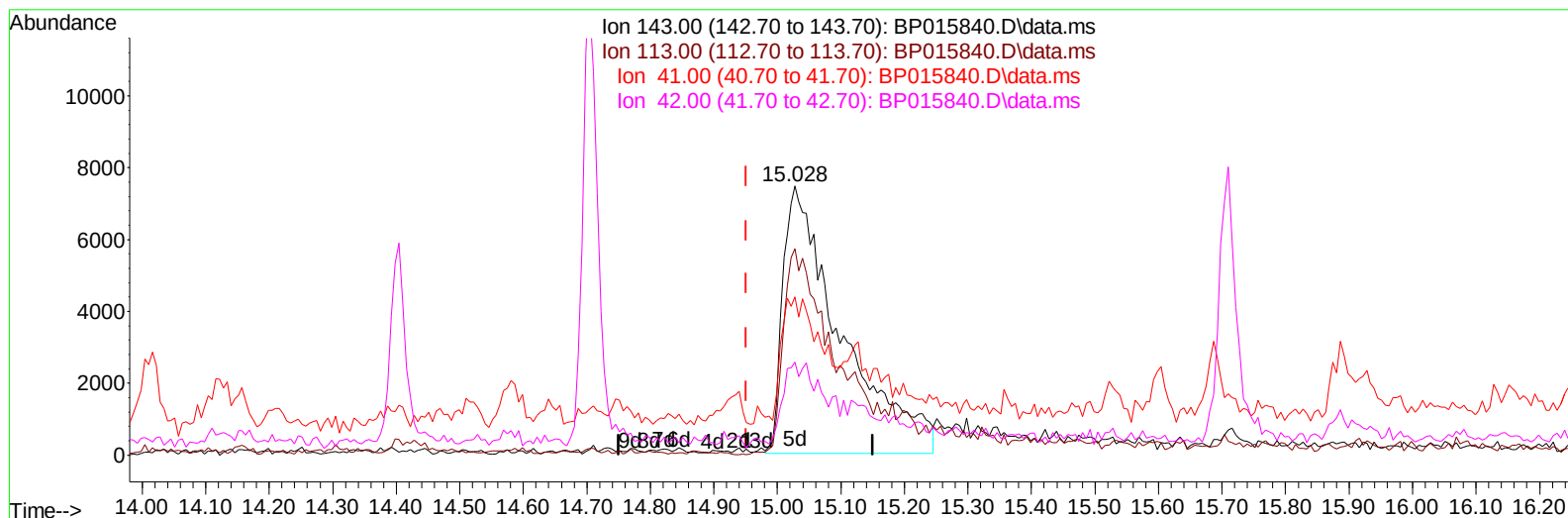
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:49:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**15.028min (+ 0.077) 8.33 ng/ul m**

**response 47439**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 94.00  | 76.78  |
| 41.00  | 45.70  | 58.83# |
| 42.00  | 31.20  | 34.54  |

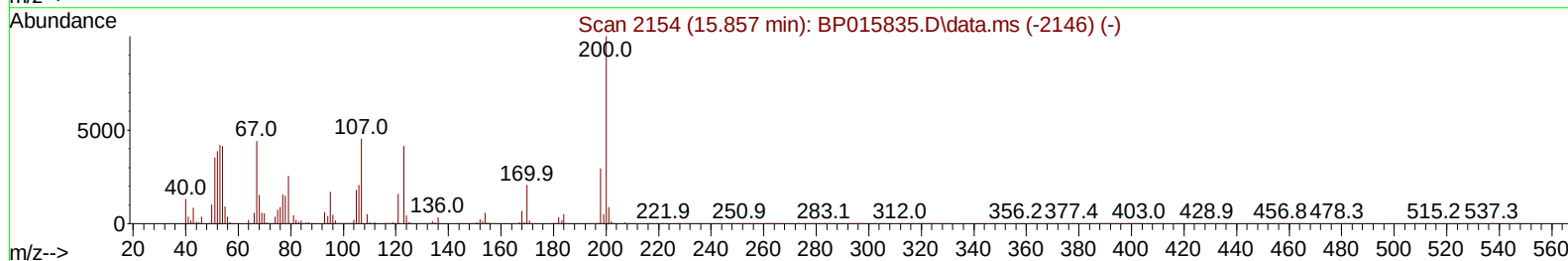
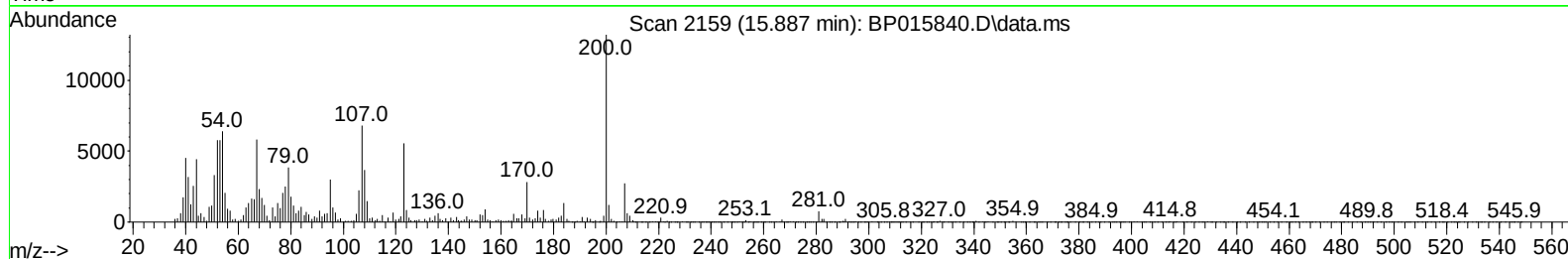
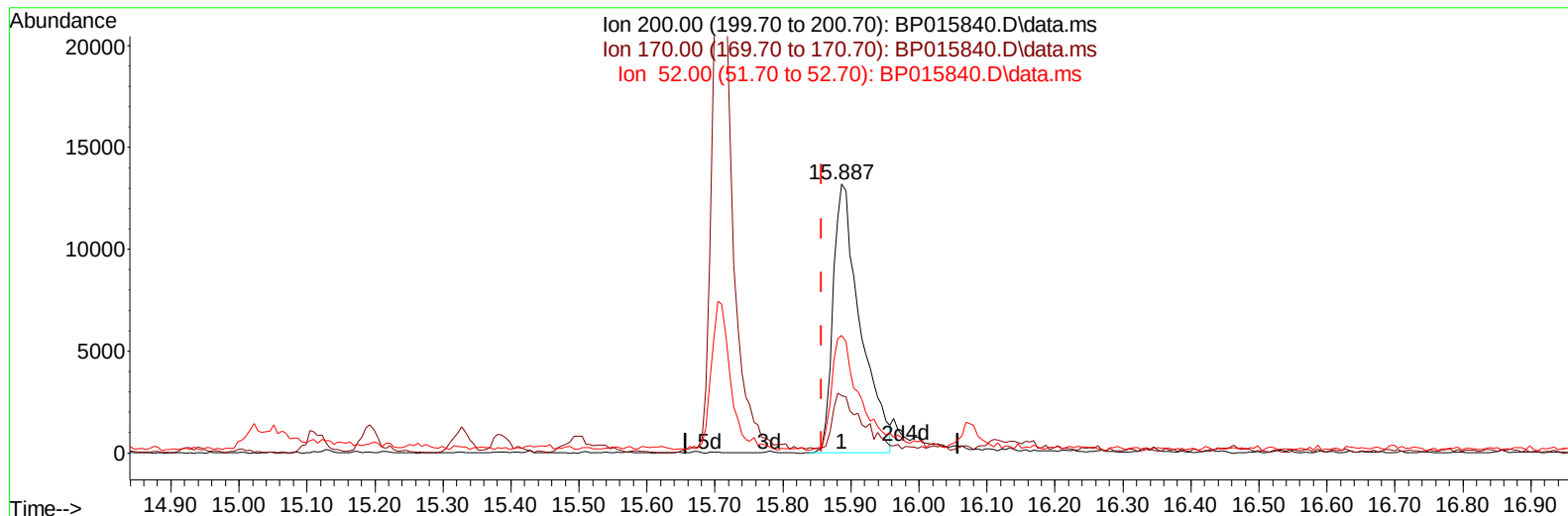
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:49:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.887min (+ 0.029) 5.12 ng/ul

response 36792

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 24.30  | 21.40  |
| 52.00  | 52.20  | 43.70  |
| 0.00   | 0.00   | 0.00   |

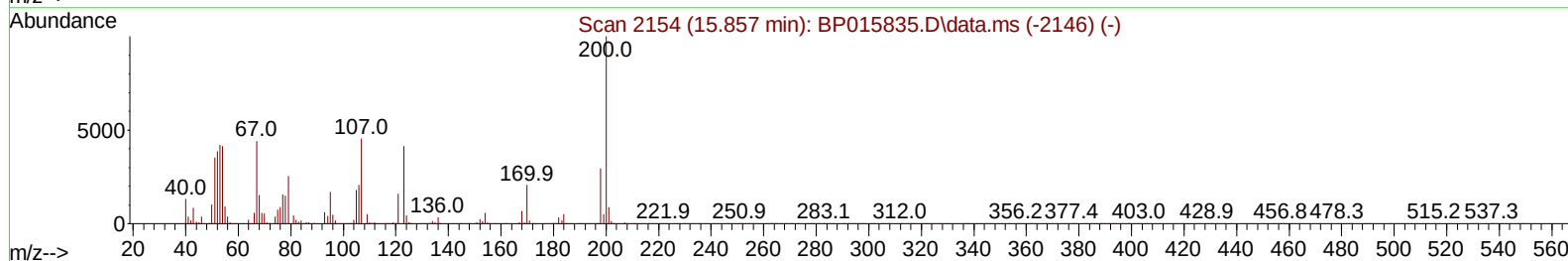
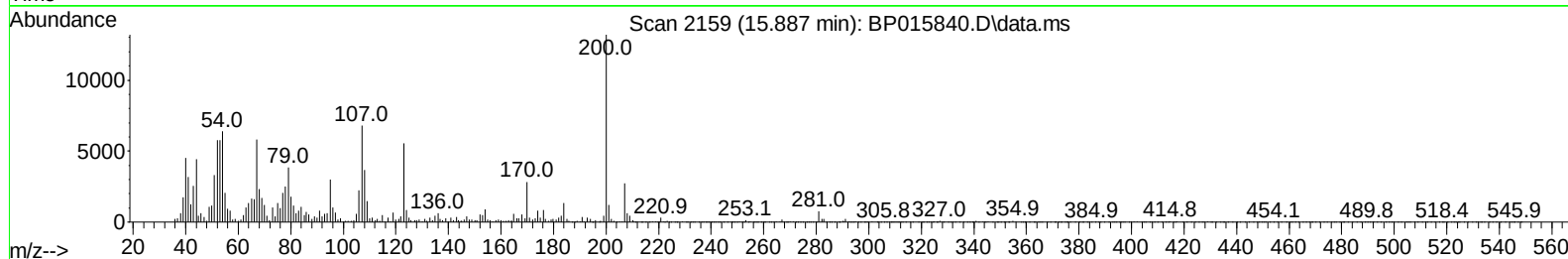
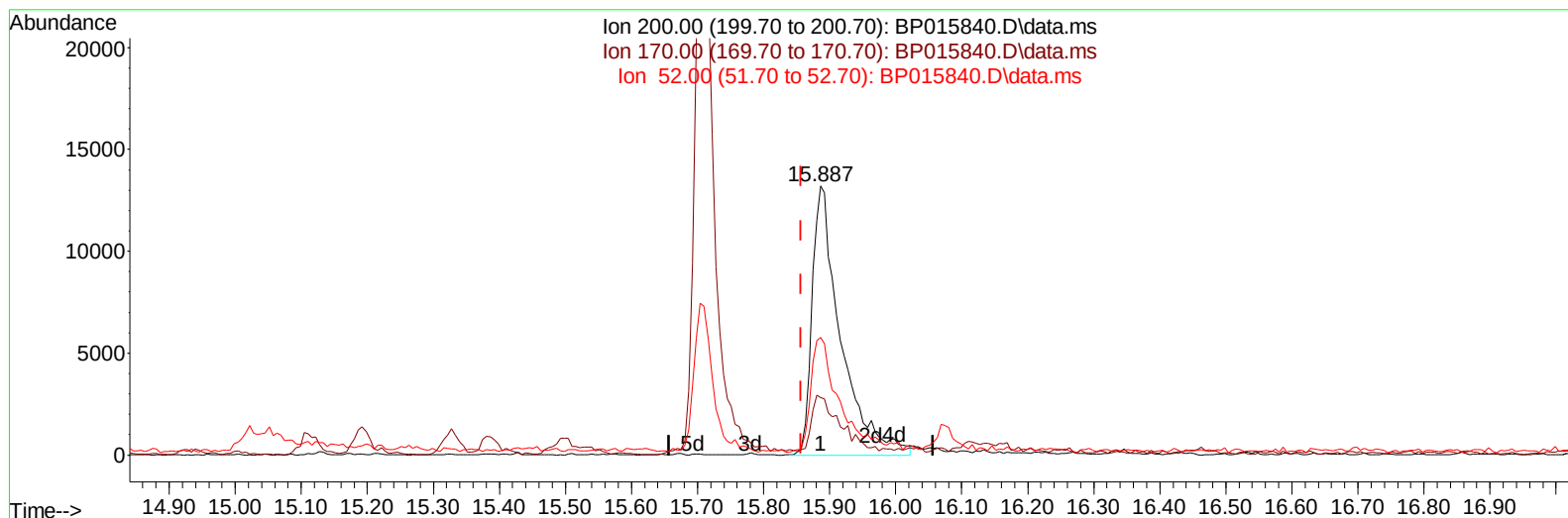
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:49:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.887min (+ 0.029) 5.55 ng/ul m

response 39828

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 24.30  | 21.40  |
| 52.00  | 52.20  | 43.70  |
| 0.00   | 0.00   | 0.00   |



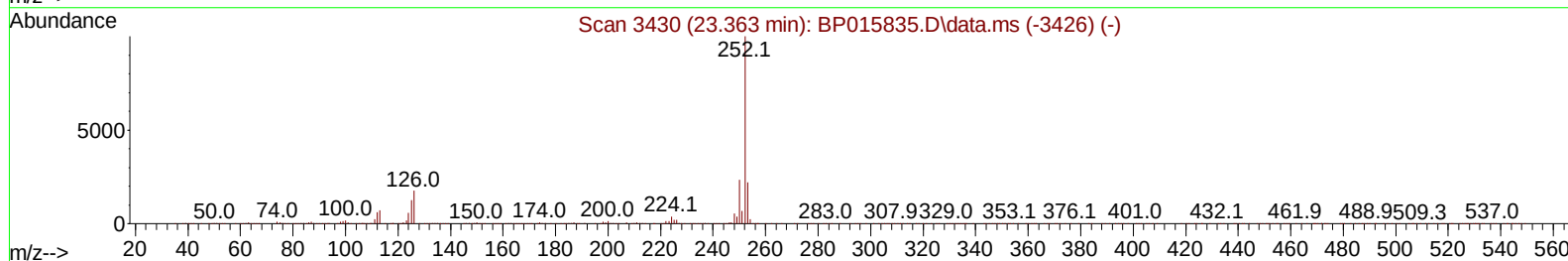
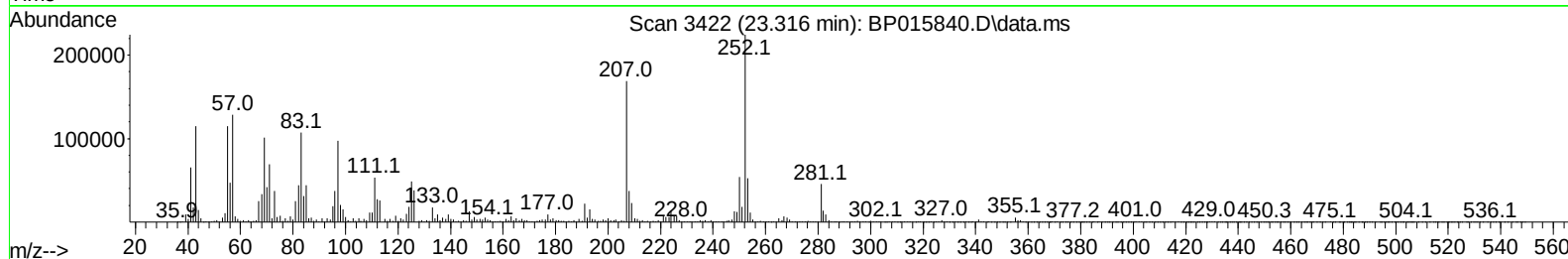
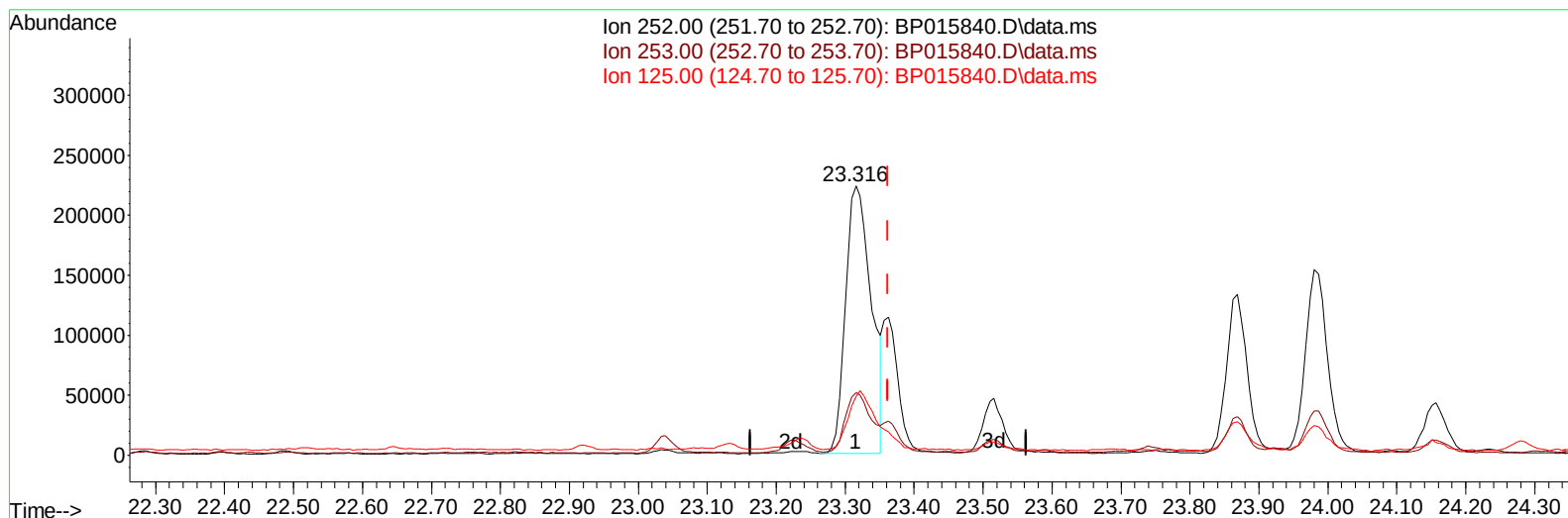
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:50:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

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

**23.316min (-0.047) 6.68 ng/u1**

**response 578157**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.20  | 23.29  |
| 125.00 | 9.10   | 21.84# |
| 0.00   | 0.00   | 0.00   |

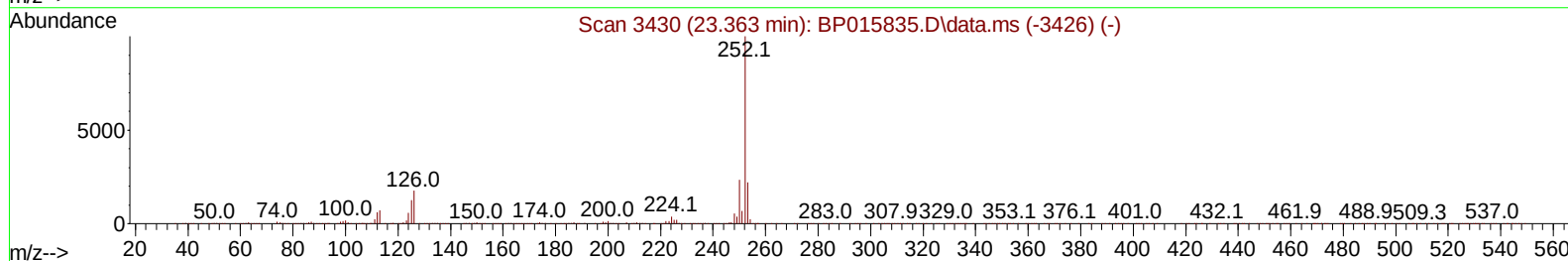
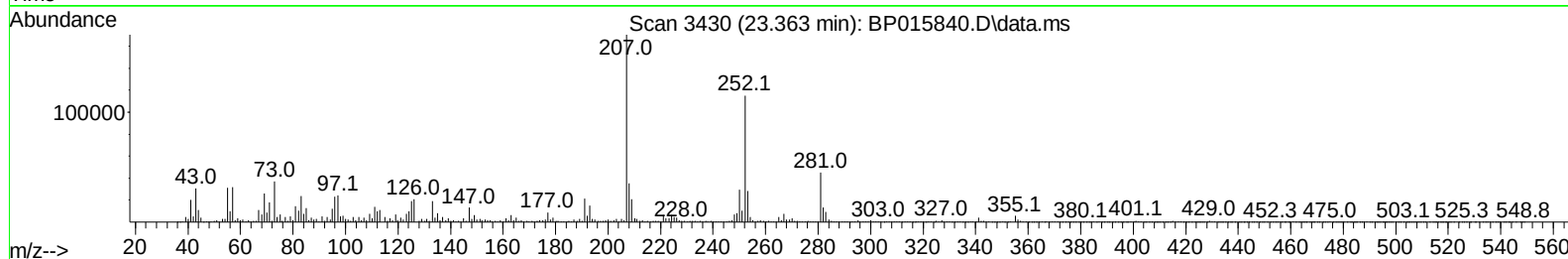
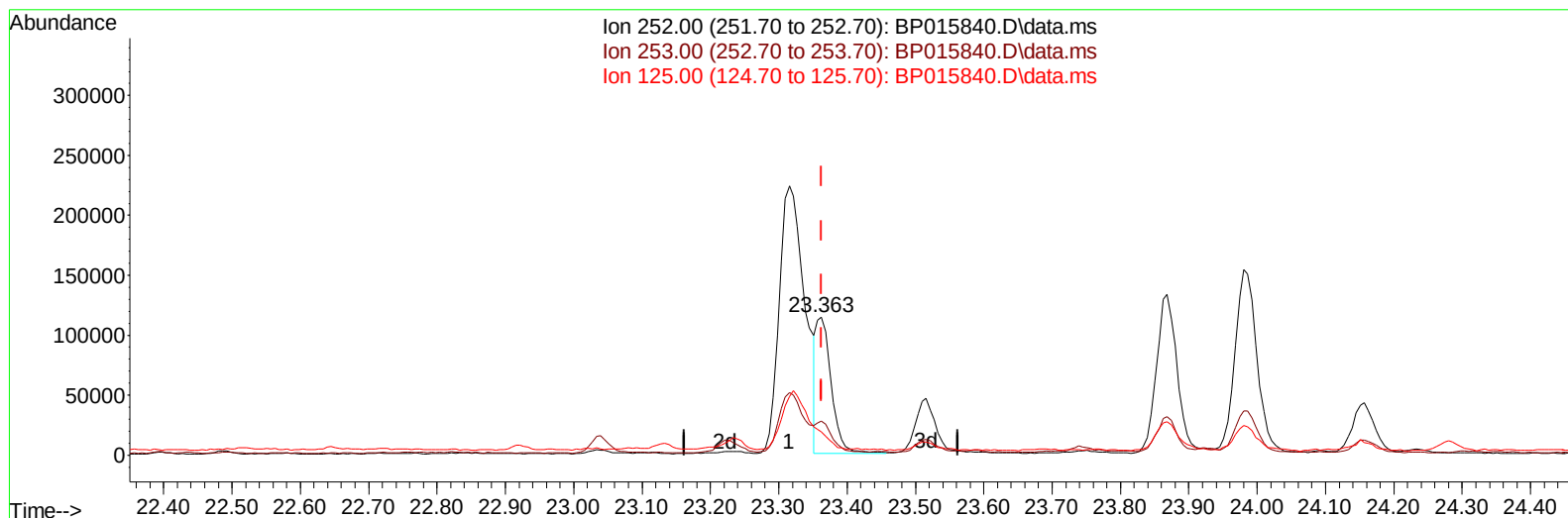
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
Data File : BP015840.D  
Acq On : 30 Jun 2023 12:50  
Operator : MA/JU  
Sample : 03161-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFW3

Manual IntegrationsAPPROVED

Quant Time: Jun 30 22:50:17 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 30 22:30:25 2023  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023



TIC: BP015840.D\data.ms

(91) Benzo(k)fluoranthene

23.363min (+ 0.000) 2.04 ng/ul m

response 176430

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.20  | 24.68  |
| 125.00 | 9.10   | 16.65# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
 Data File : BP015840.D  
 Acq On : 30 Jun 2023 12:50  
 Operator : MA/JU  
 Sample : 03161-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFW3

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2023  
 Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jun 30 22:50:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 30 22:30:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.058  | 152  | 264533   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 1018673  | 20.000 | ng/ul  | # 0.01   |
| 38) Acenaphthene-d10          | 14.704 | 164  | 558306   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1167428  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.551 | 240  | 1098022  | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 24.092 | 264  | 1334060  | 20.000 | ng/ul  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 17059    | 2.320  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.834  | 84   | 133954   | 7.227  | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.240  | 99   | 196974   | 8.703  | ng/ul  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 181640   | 12.971 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 181486   | 10.622 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.810  | 113  | 81524    | 4.559  | ng/ul  | 0.03     |
| 21) Nitrobenzene-d5           | 9.257  | 128  | 83120    | 10.677 | ng/ul  | 0.02     |
| 24) 2-Nitrophenol-d4          | 9.987  | 143  | 94876    | 10.442 | ng/ul  | 0.02     |
| 28) 2,4-Dichlorophenol-d3     | 10.587 | 165  | 123298m  | 7.615  | ng/ul  | 0.07     |
| 31) 4-Chloroaniline-d4        | 11.110 | 131  | 78711m   | 3.784  | ng/ul  | 0.08     |
| 46) Dimethylphthalate-d6      | 14.122 | 166  | 527788   | 12.231 | ng/ul  | 0.01     |
| 49) Acenaphthylene-d8         | 14.404 | 160  | 628828   | 12.963 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.028 | 143  | 47439m   | 8.330  | ng/ul  | 0.08     |
| 60) Fluorene-d10              | 15.710 | 176  | 462652   | 13.021 | ng/ul  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.887 | 200  | 39828m   | 5.547  | ng/ul  | 0.03     |
| 73) Anthracene-d10            | 17.569 | 188  | 662519   | 12.424 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 851201   | 11.872 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.927 | 264  | 902943   | 13.417 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.434 | 152  | 91846    | 1.718  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.510 | 178  | 207953   | 3.279  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.469 | 202  | 584209   | 6.556  | ng/ul# | 93       |
| 82) Pyrene                    | 19.822 | 202  | 491538   | 5.408  | ng/ul# | 90       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 297092   | 3.846  | ng/ul  | 98       |
| 87) Chrysene                  | 21.592 | 228  | 335992   | 4.585  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 578157   | 6.745  | ng/ul# | 87       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 176430m  | 2.037  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.980 | 252  | 338779   | 4.523  | ng/ul# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.798 | 276  | 294775   | 2.899  | ng/ul# | 93       |
| 96) Benzo(g,h,i)perylene      | 27.645 | 276  | 256936   | 3.072  | ng/ul# | 96       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP063023\  
Data File : BP015840.D  
Acq On : 30 Jun 2023 12:50  
Operator : MA/JU  
Sample : 03161-07  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DCFW3

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/01/2023  
Supervised By :mohammad ahmed 07/01/2023

Quant Time: Jun 30 22:50:41 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 30 22:30:25 2023  
Response via : Initial Calibration

