

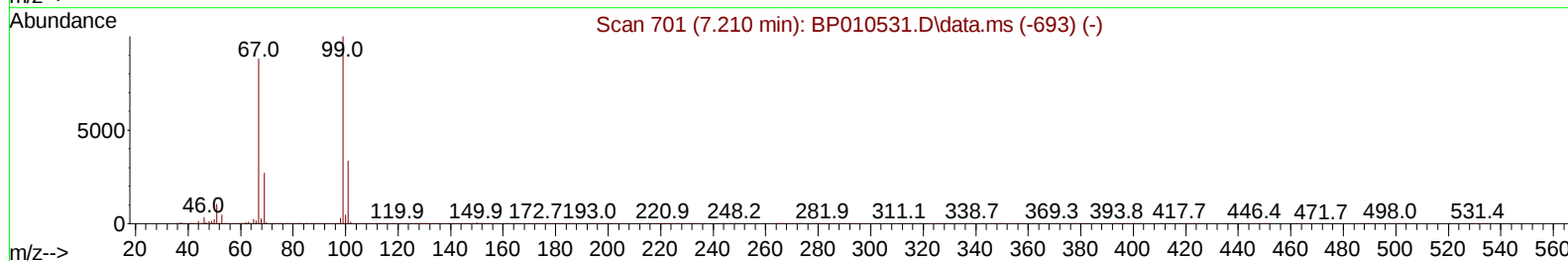
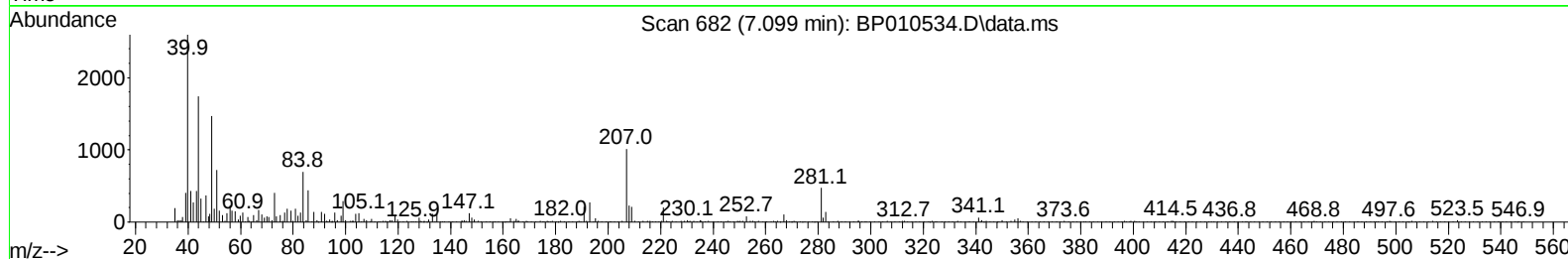
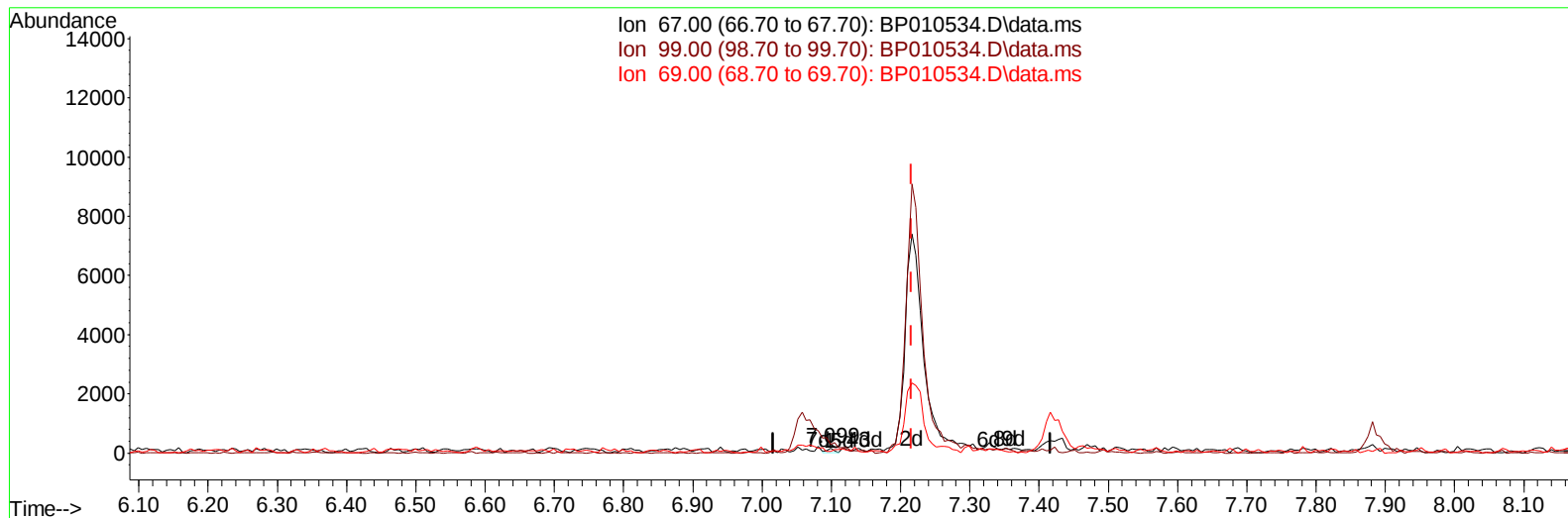
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

**(9) Bis-(2-Chloroethyl)ether-d8 (S)**

7.099min (-0.118) 0.02 ng/u1

| response | 94     |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 67.00    | 100.00 | 100.00 |
| 99.00    | 165.50 | 175.61 |
| 69.00    | 40.10  | 35.98  |
| 0.00     | 0.00   | 0.00   |

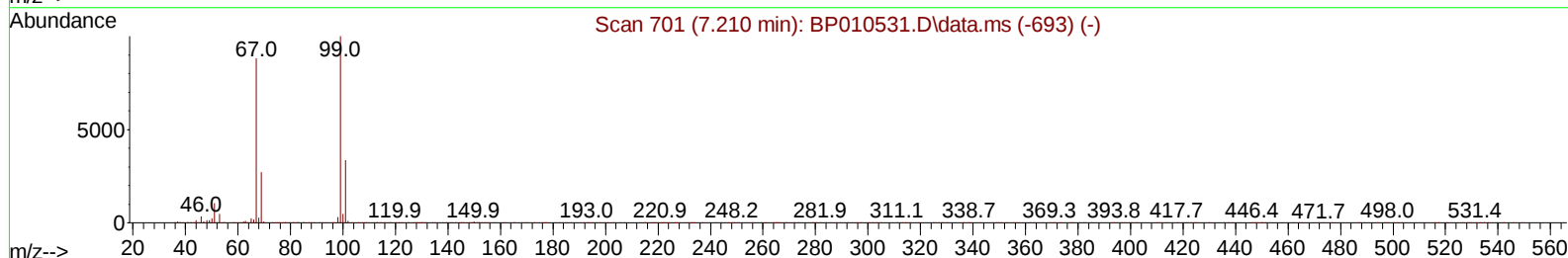
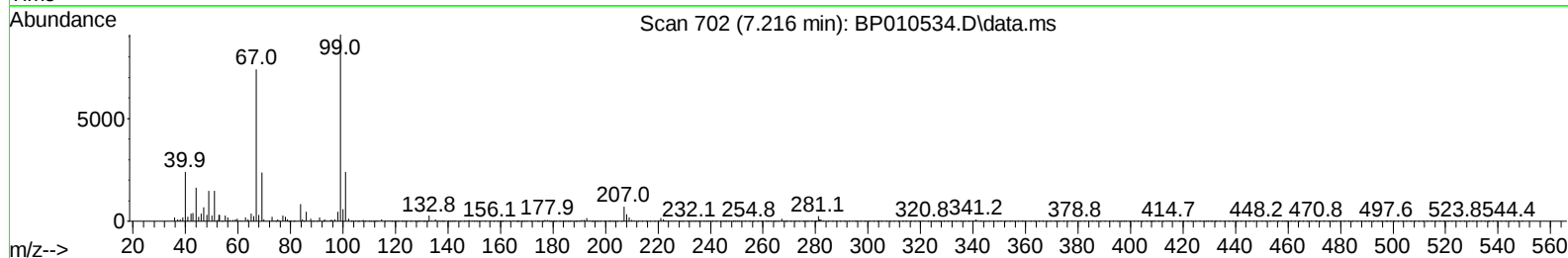
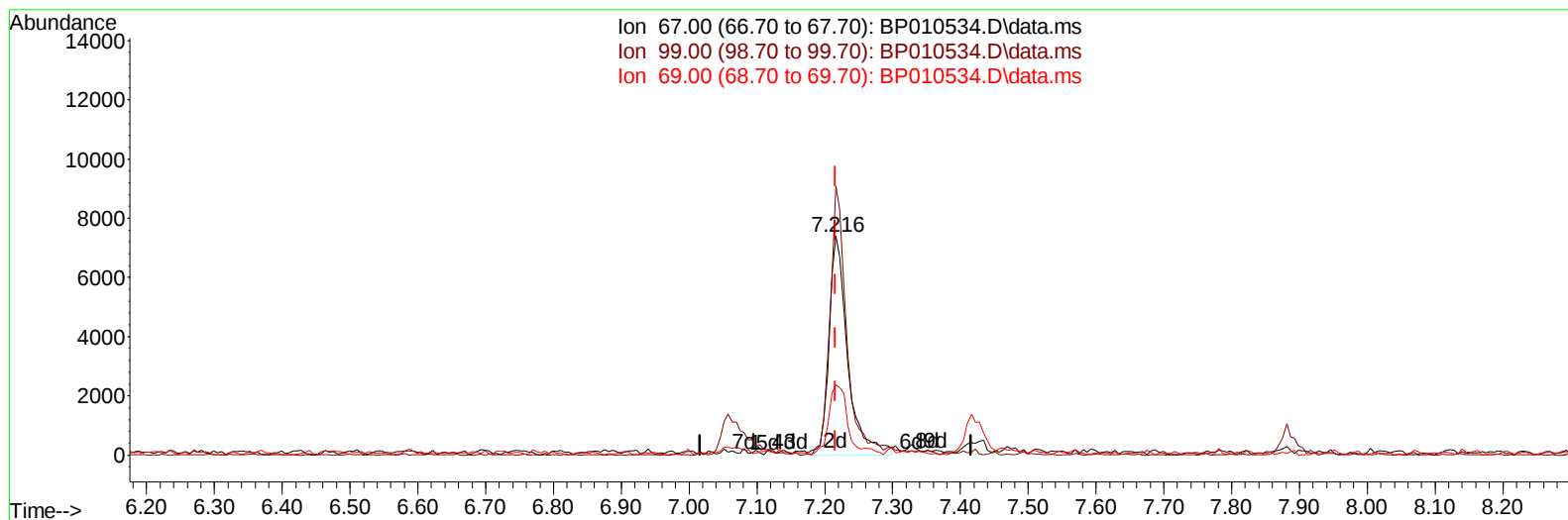
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
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Instrument :  
 BNA\_P  
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Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

**(9) Bis-(2-Chloroethyl)ether-d8 (S)**

7.216min (-0.000) 3.35 ng/ul m

response 14129

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 67.00 | 100.00 | 100.00  |
| 99.00 | 165.50 | 122.83# |
| 69.00 | 40.10  | 32.13   |
| 0.00  | 0.00   | 0.00    |

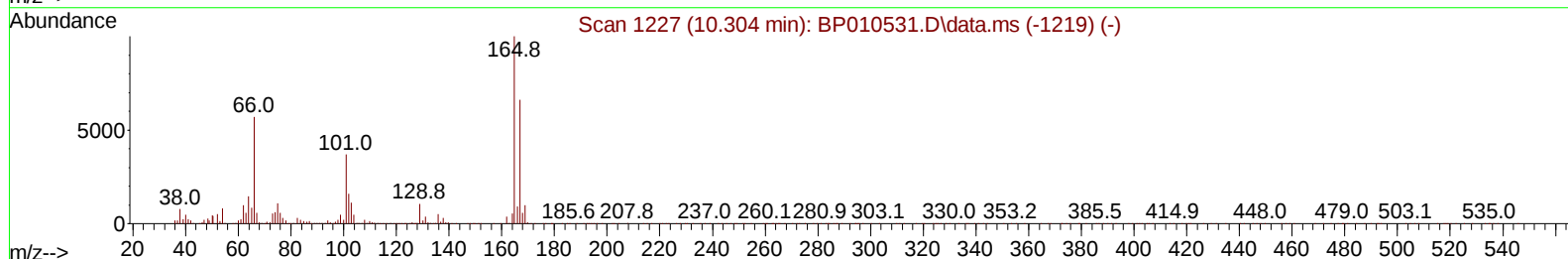
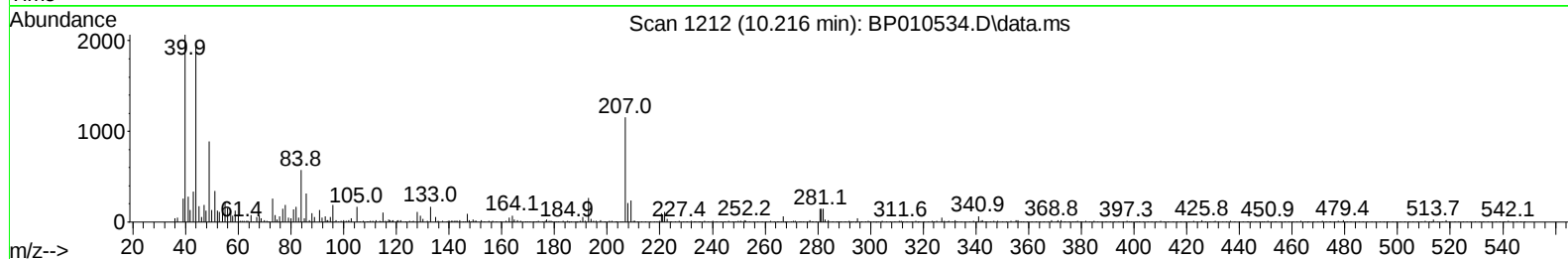
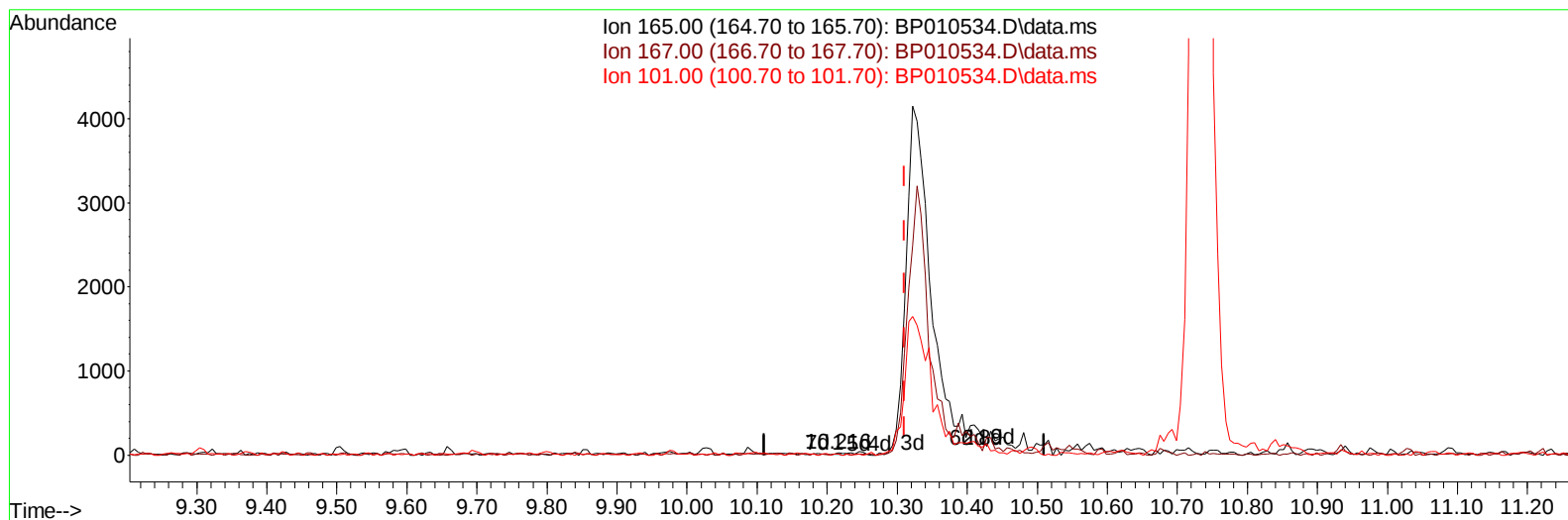
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

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

10.216min (-0.094) 0.00 ng/ul

response 12

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 57.70  | 48.00  |
| 101.00 | 49.80  | 44.00  |
| 0.00   | 0.00   | 0.00   |

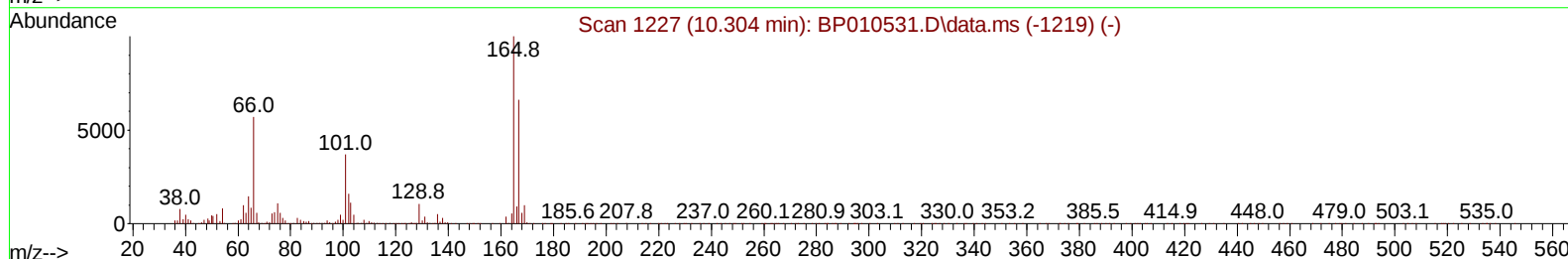
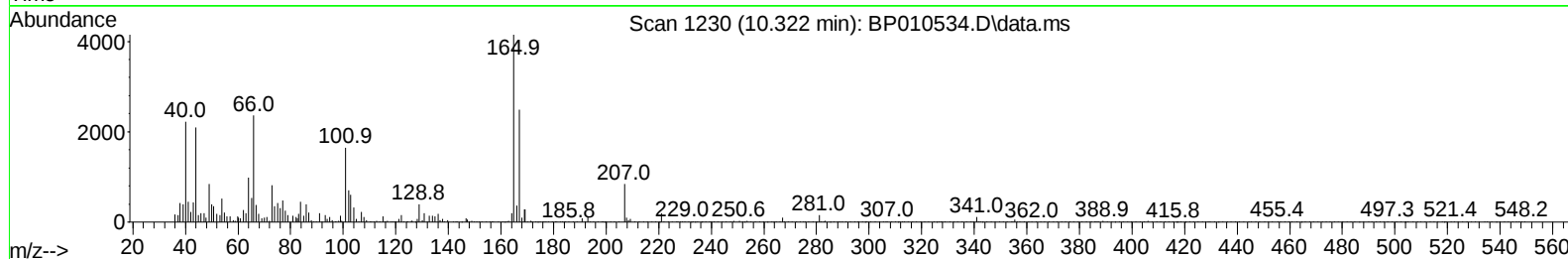
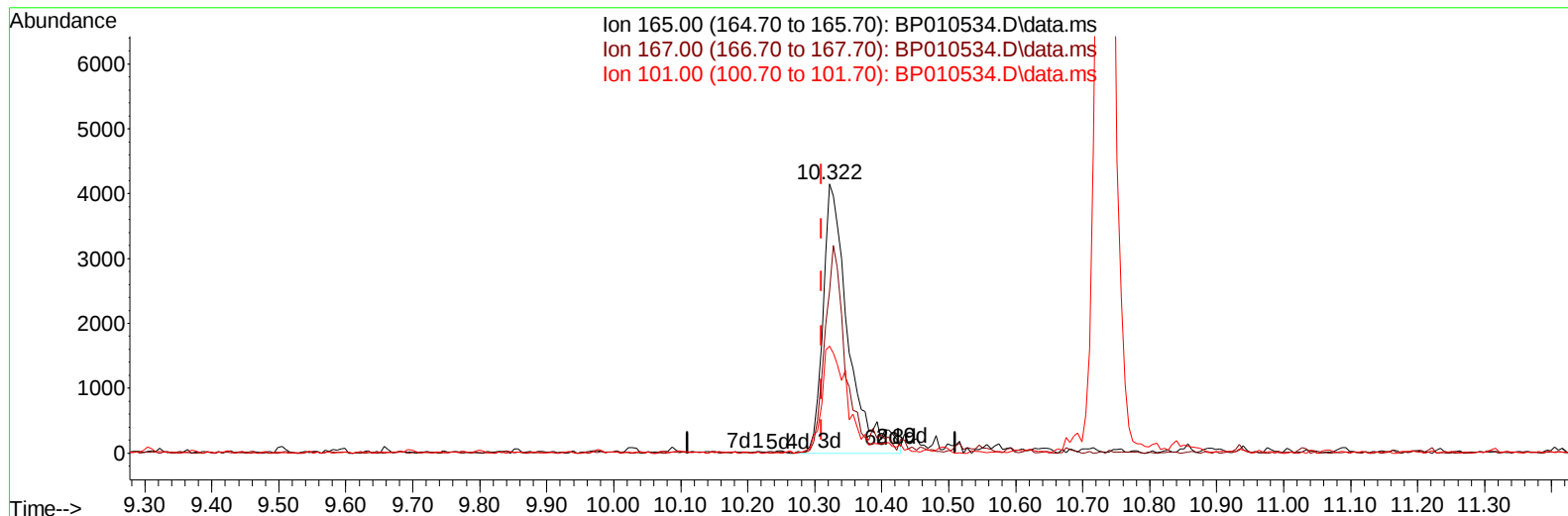
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

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

10.322min (+ 0.012) 2.25 ng/ul m

response 10809

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 165.00 | 100.00 | 100.00 |
| 167.00 | 57.70  | 60.15  |
| 101.00 | 49.80  | 39.78# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA\_P

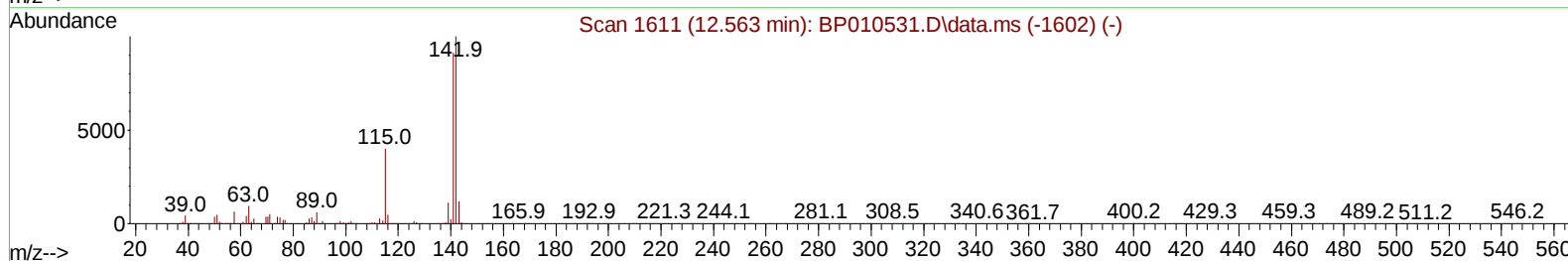
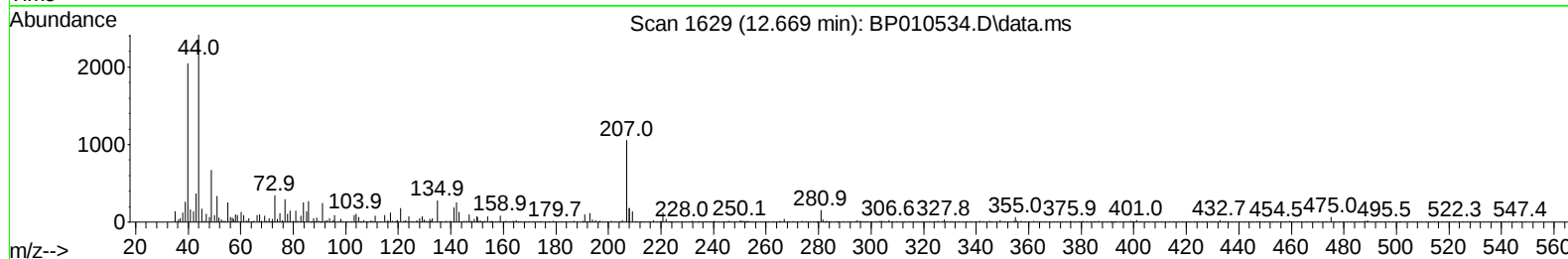
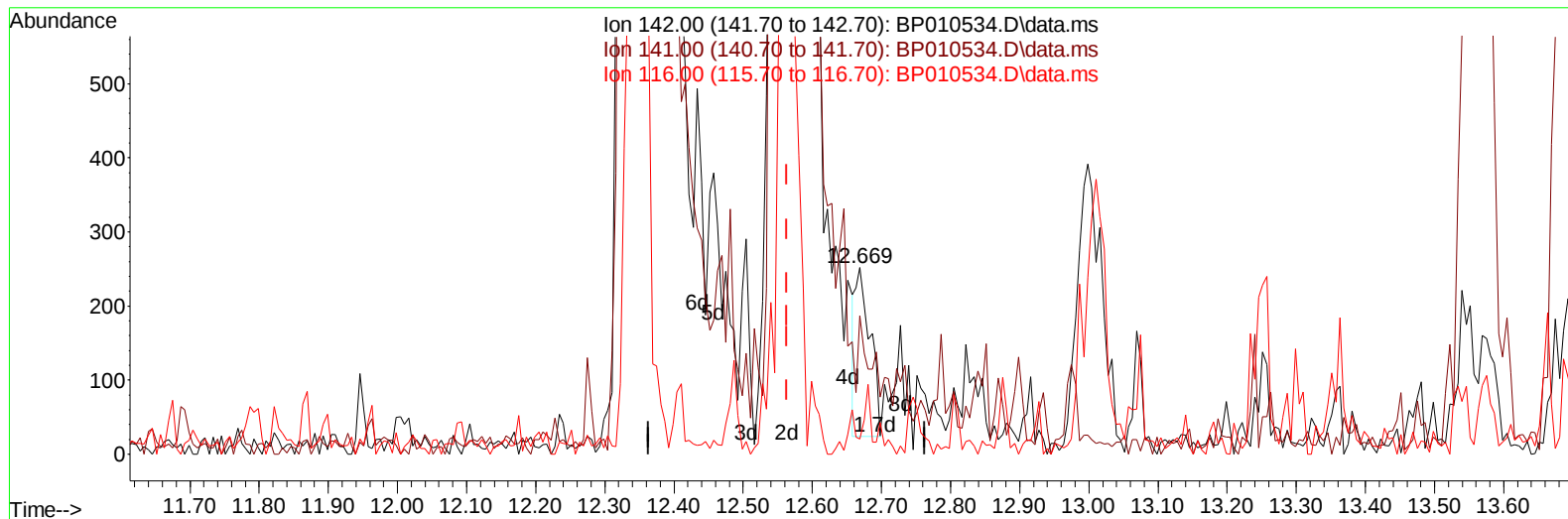
ClientSampleId :

DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

**(37) 1-Methylnaphthalene**

12.669min (+ 0.106) 0.03 ng/ul

response 345

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 87.30  | 74.21  |
| 116.00 | 7.00   | 8.33   |
| 0.00   | 0.00   | 0.00   |

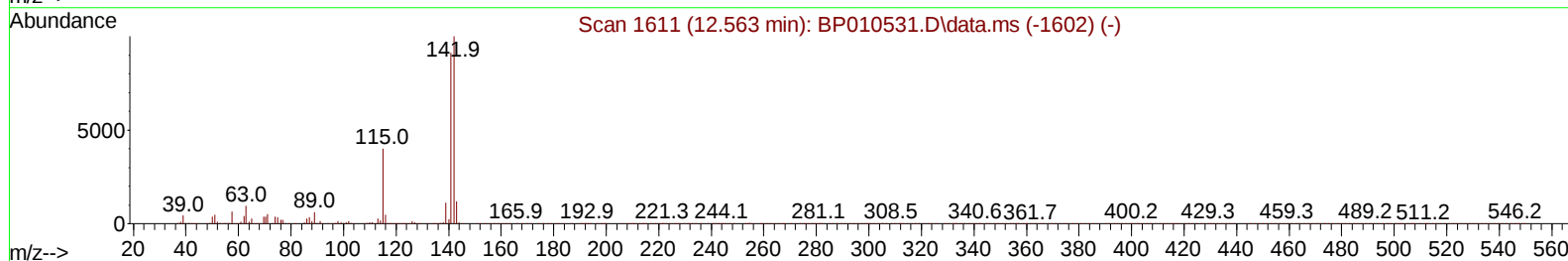
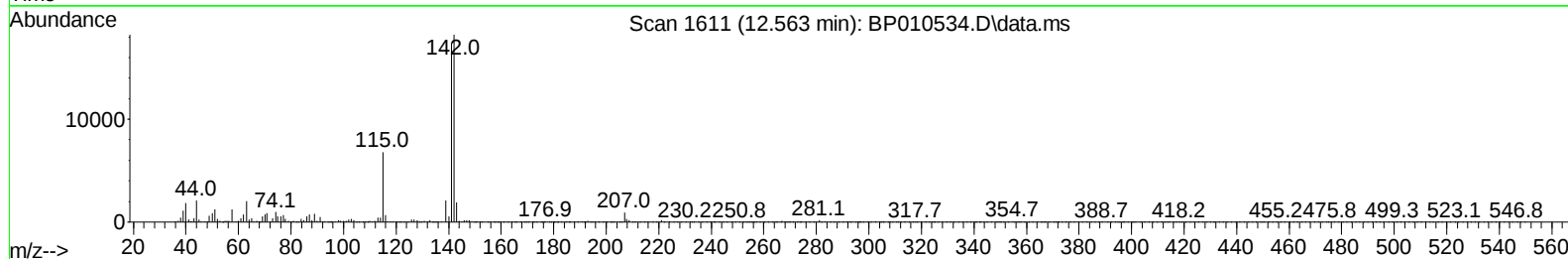
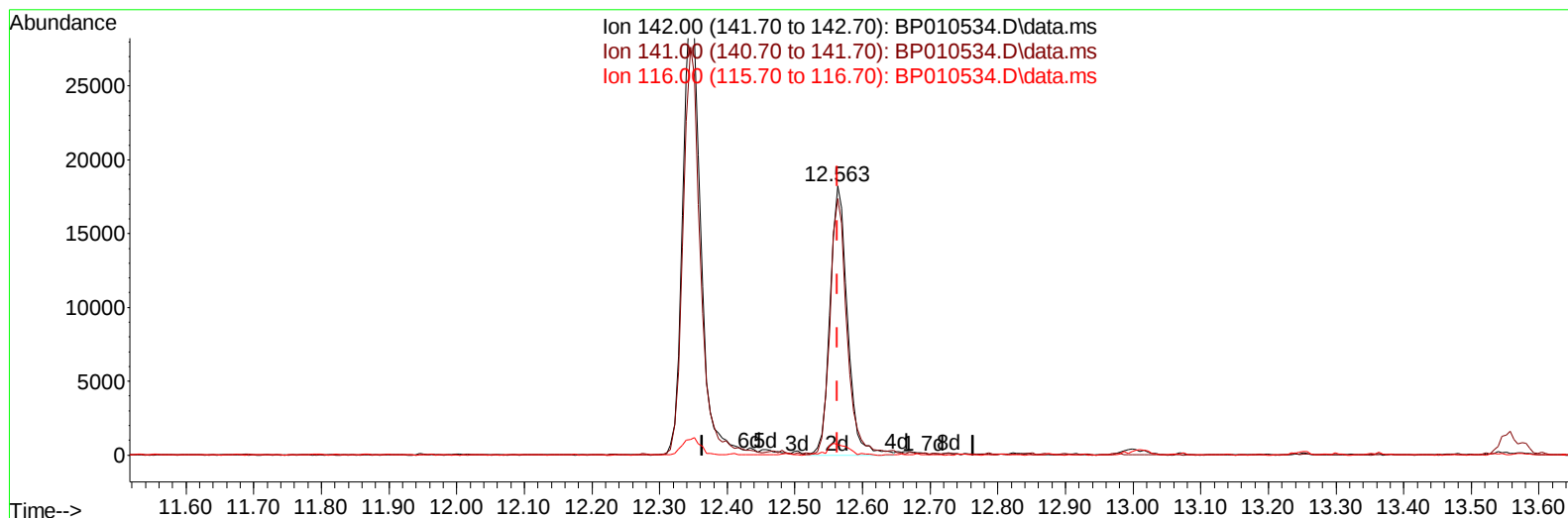
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration



TIC: BP010534.D\data.ms

## (37) 1-Methylnaphthalene

12.563min (-0.000) 2.81 ng/ul m

response 32555

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 142.00 | 100.00 | 100.00 |
| 141.00 | 87.30  | 95.48  |
| 116.00 | 7.00   | 3.89#  |
| 0.00   | 0.00   | 0.00   |

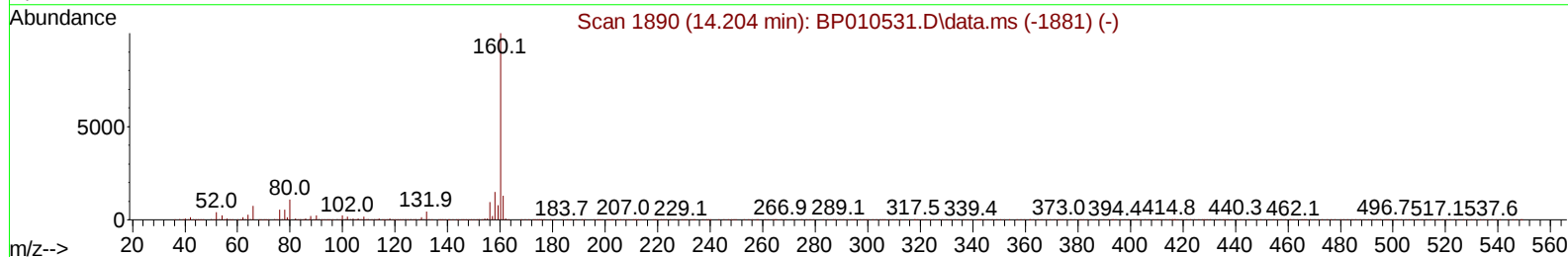
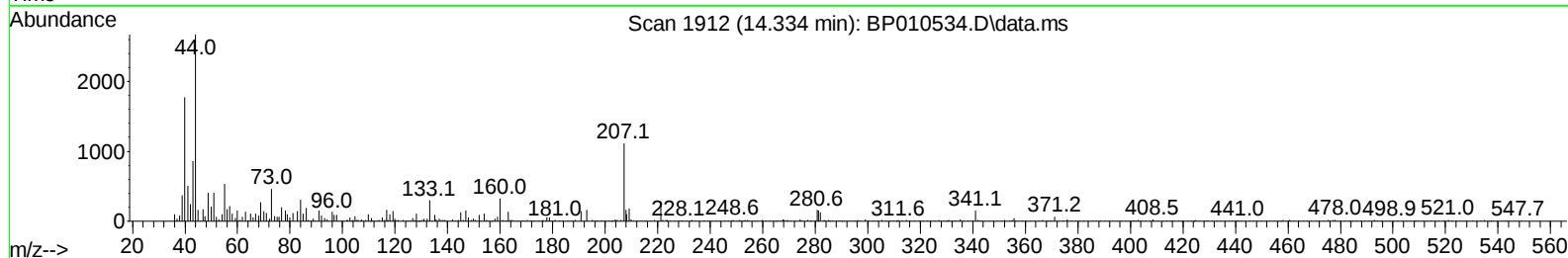
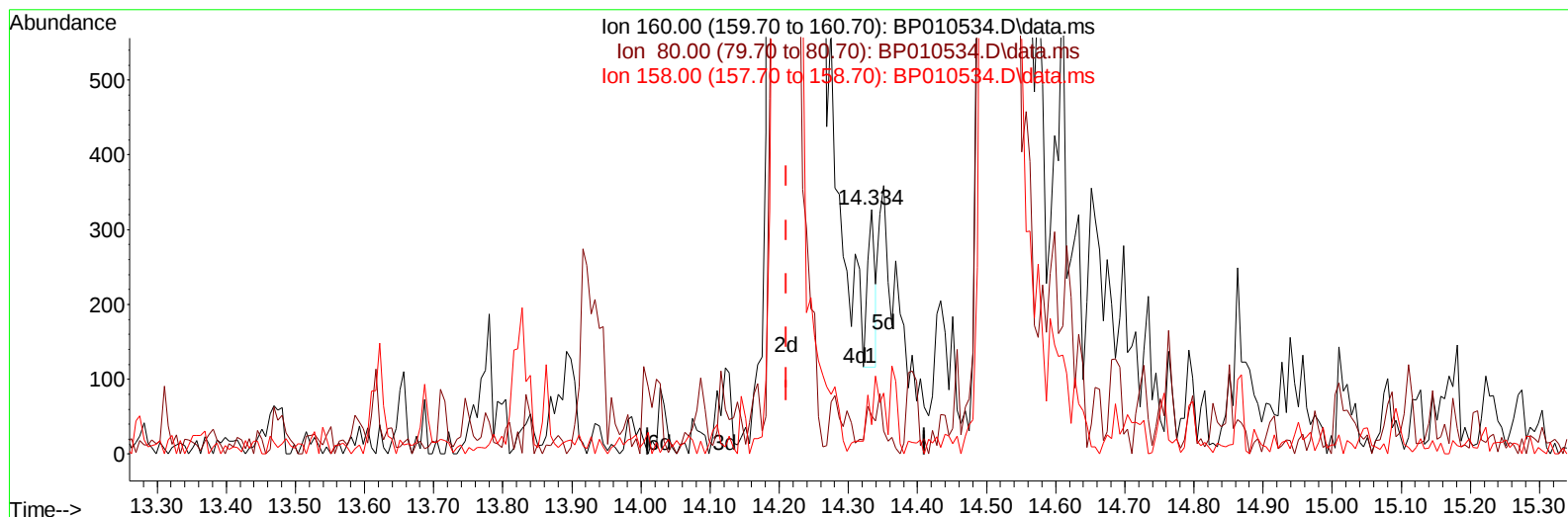
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
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 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

**(49) Acenaphthylene-d8 (S)**

**14.334min (+ 0.123) 0.01 ng/u1**

| response | 164    |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 160.00   | 100.00 | 100.00 |
| 80.00    | 17.00  | 15.60  |
| 158.00   | 13.10  | 11.93  |
| 0.00     | 0.00   | 0.00   |

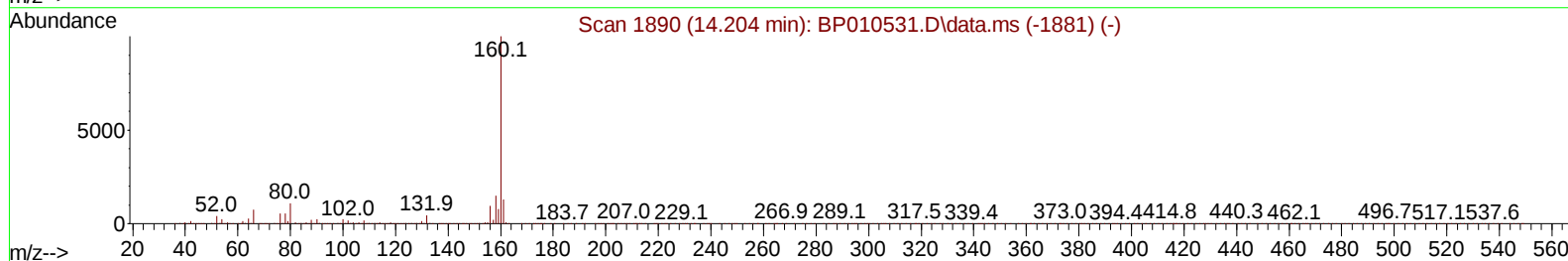
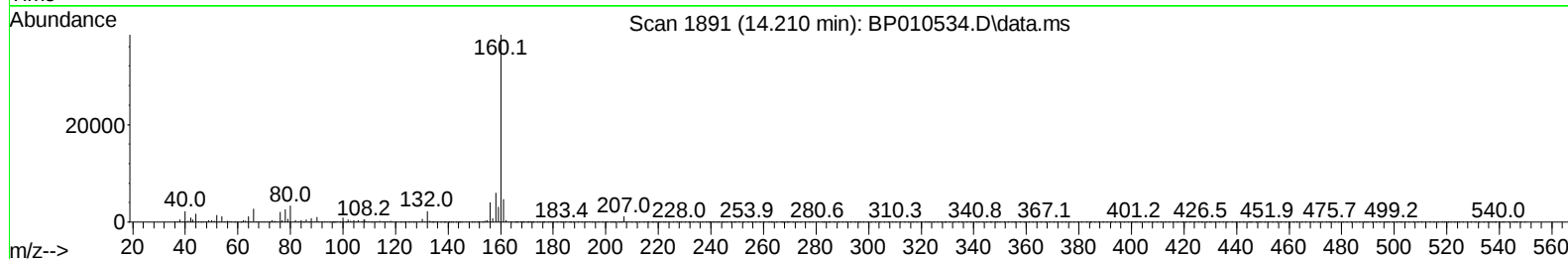
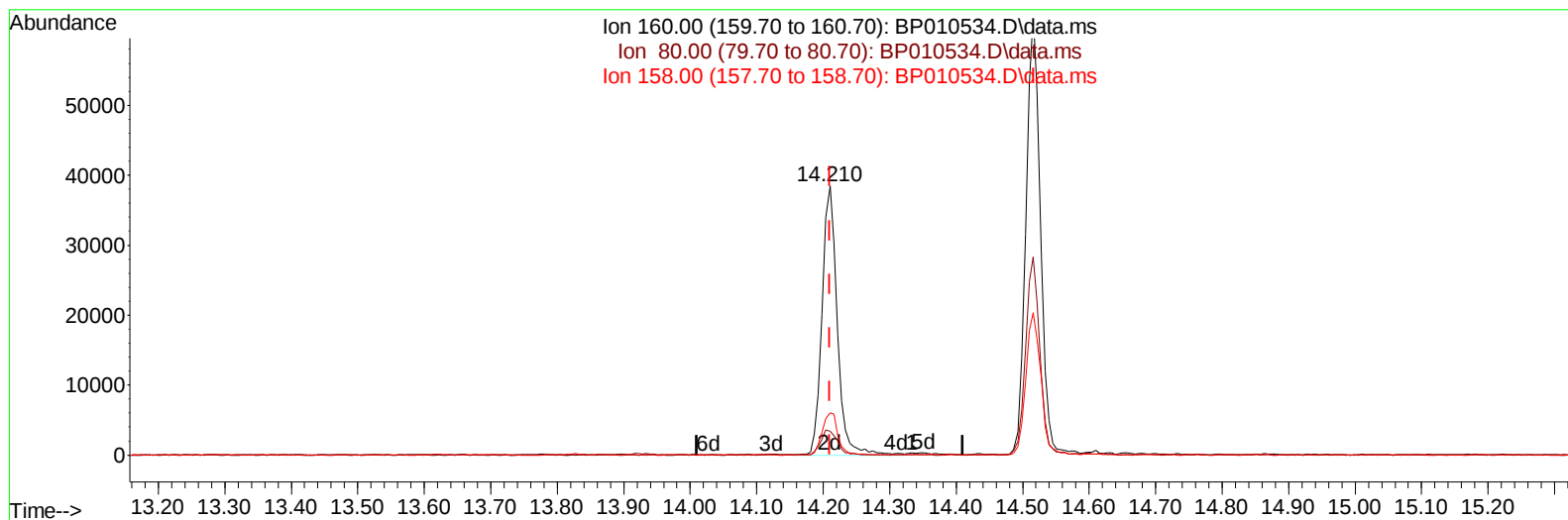
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

(49) Acenaphthylene-d8 (S)

14.210min (-0.000) 3.33 ng/ul m

response 60742

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 160.00 | 100.00 | 100.00 |
| 80.00  | 17.00  | 8.80#  |
| 158.00 | 13.10  | 15.66  |
| 0.00   | 0.00   | 0.00   |

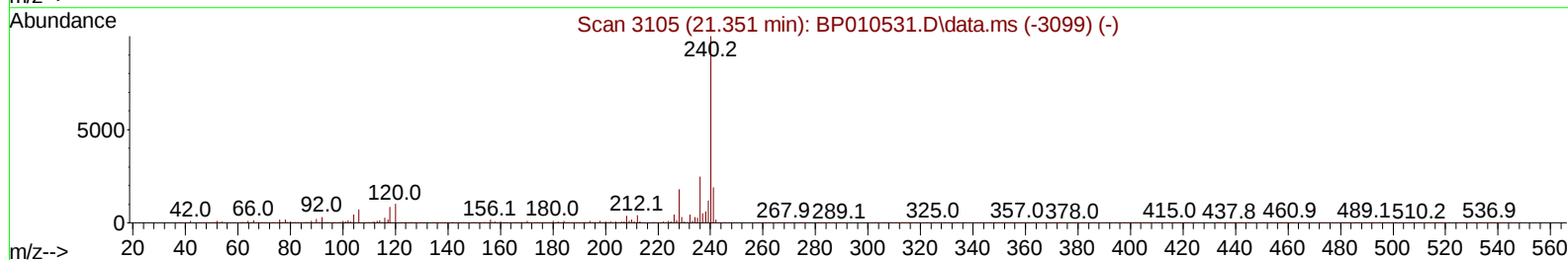
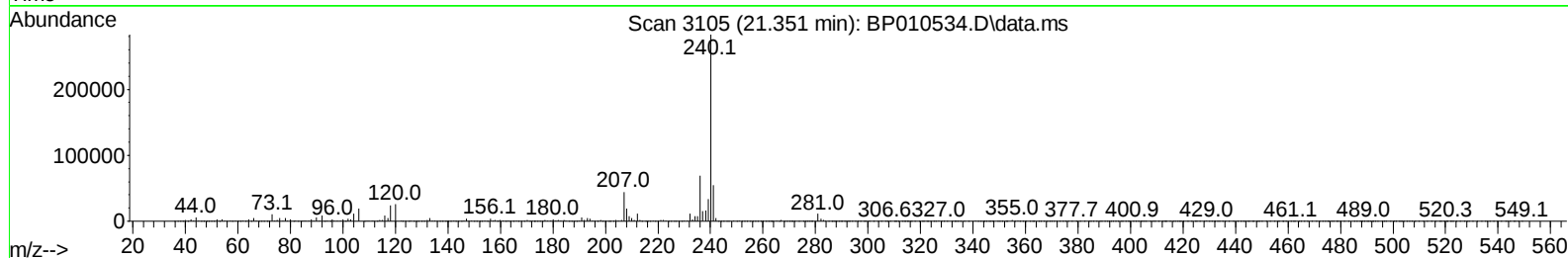
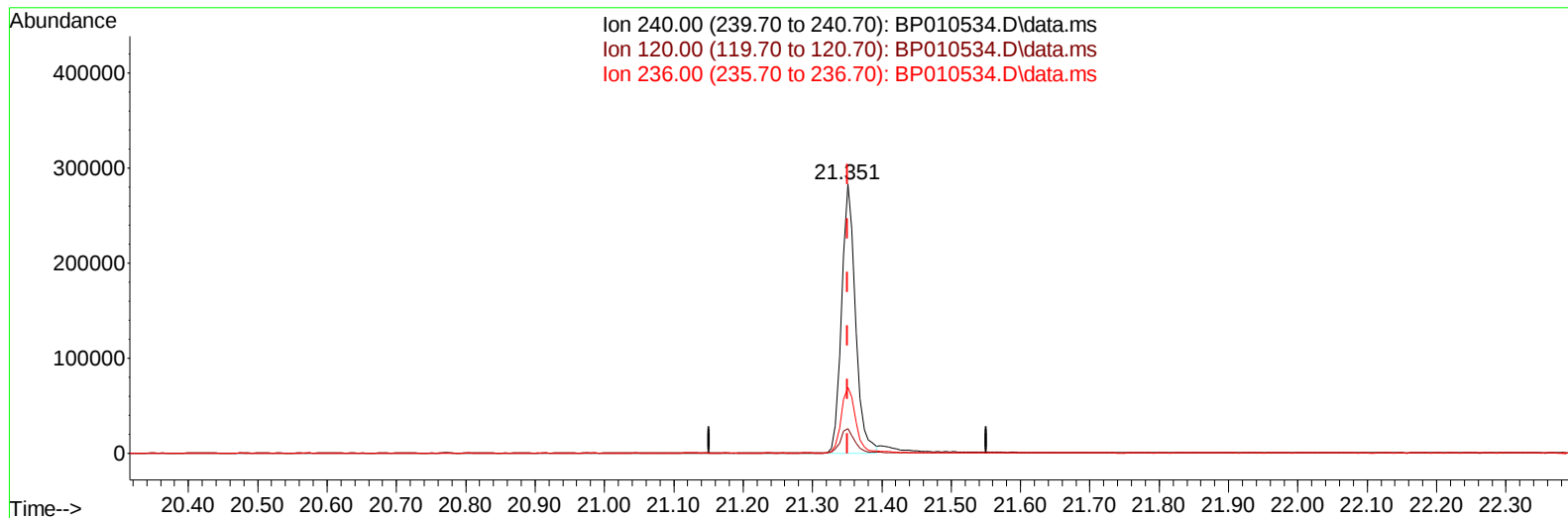
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
Data File : BP010534.D  
Acq On : 25 May 2022 14:12  
Operator : CG/JU  
Sample : N2918-12DL 20X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 24 05:50:40 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

(79) Chrysene-d12 (I)

21.351min (-0.000) 20.00 ng/u1

response 389294

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 9.30   | 9.05   |
| 236.00 | 31.60  | 24.42# |
| 0.00   | 0.00   | 0.00   |

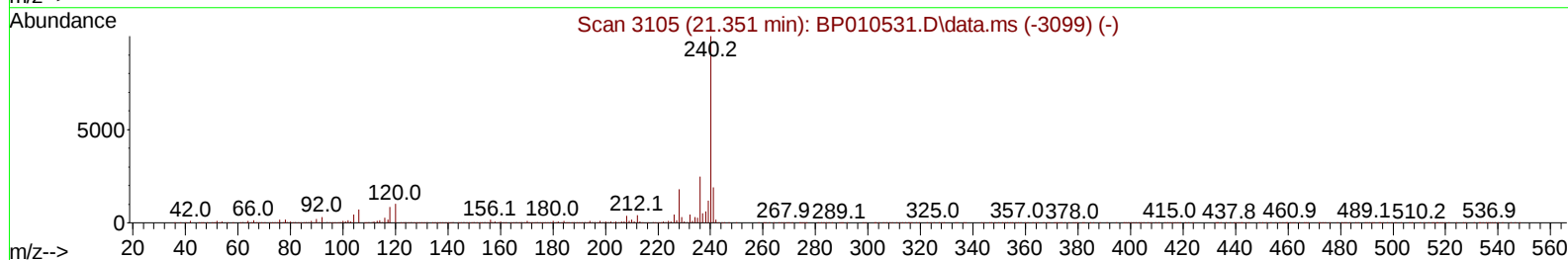
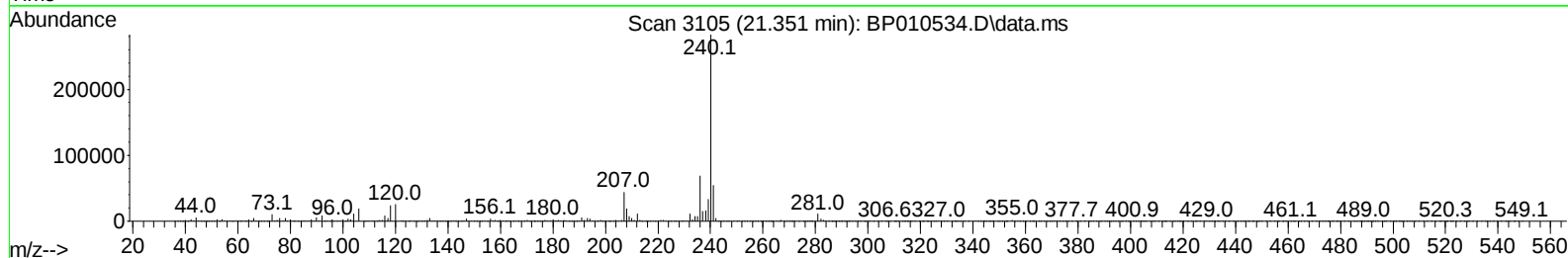
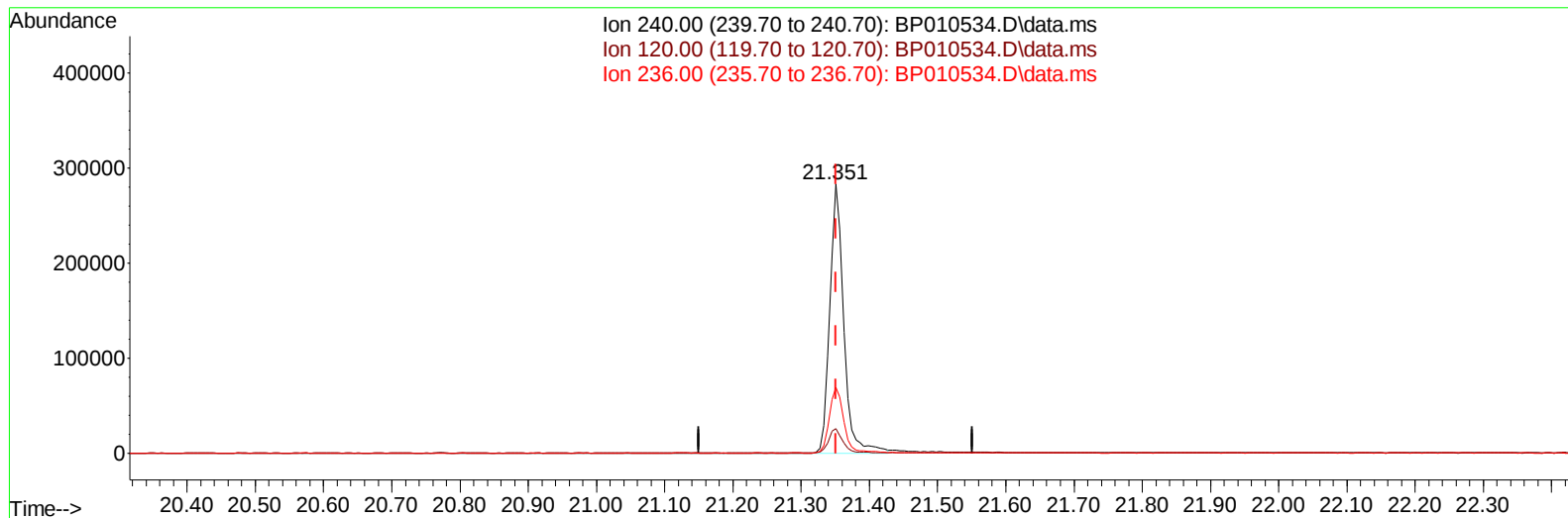
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
 Acq On : 25 May 2022 14:12  
 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DBTH0DL

Manual IntegrationsAPPROVED

Quant Time: May 25 23:26:20 2022  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 24 05:50:40 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022



TIC: BP010534.D\data.ms

**(79) Chrysene-d12 (I)**

**21.351min (-0.000) 20.00 ng/ul m**

**response 401254**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 9.30   | 9.05   |
| 236.00 | 31.60  | 24.42# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
 Data File : BP010534.D  
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 Operator : CG/JU  
 Sample : N2918-12DL 20X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
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Manual IntegrationsAPPROVED

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Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.887  | 152  | 74687    | 20.000 | ng/ul  | # 0.00   |
| 20) Naphthalene-d8            | 10.681 | 136  | 310024   | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.516 | 164  | 214823   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.269 | 188  | 475892   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.351 | 240  | 401254m  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.768 | 264  | 318276   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.352  | 96   | 661      | 0.377  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.058  | 99   | 3121     | 0.498  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.216  | 67   | 14129m   | 3.355  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.422  | 132  | 10355    | 2.159  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.610  | 113  | 6585     | 1.236  | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 9.052  | 128  | 7062     | 2.943  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.769  | 143  | 6474     | 2.546  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 10809m   | 2.248  | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.840 | 131  | 12017    | 1.681  | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.928 | 166  | 59390    | 3.752  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.210 | 160  | 60742m   | 3.327  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/ul  |          |
| 60) Fluorene-d10              | 15.510 | 176  | 50458    | 3.664  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.651 | 200  | 4719     | 1.696  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.369 | 188  | 78977    | 3.665  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.604 | 212  | 99982    | 4.692  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.615 | 264  | 56344    | 3.526  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.734 | 128  | 966009   | 59.656 | ng/ul  | 96       |
| 36) 2-Methylnaphthalene       | 12.345 | 142  | 56004    | 4.885  | ng/ul  | 94       |
| 37) 1-Methylnaphthalene       | 12.563 | 142  | 32555m   | 2.813  | ng/ul  |          |
| 43) 1,1'-Biphenyl             | 13.357 | 154  | 16238    | 1.030  | ng/ul  | 92       |
| 52) Acenaphthene              | 14.581 | 153  | 48401    | 3.757  | ng/ul  | 91       |
| 56) Dibenzofuran              | 14.916 | 168  | 65835    | 3.487  | ng/ul  | 98       |
| 61) Fluorene                  | 15.563 | 166  | 42142    | 2.729  | ng/ul  | 98       |
| 72) Phenanthrene              | 17.310 | 178  | 62513    | 2.461  | ng/ul  | 99       |
| 77) Carbazole                 | 17.675 | 167  | 133271   | 5.952  | ng/ul# | 95       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP052522\  
Data File : BP010534.D  
Acq On : 25 May 2022 14:12  
Operator : CG/JU  
Sample : N2918-12DL 20X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DBTH0DL

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

Quant Time: May 25 23:26:20 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 24 05:50:40 2022  
Response via : Initial Calibration

