

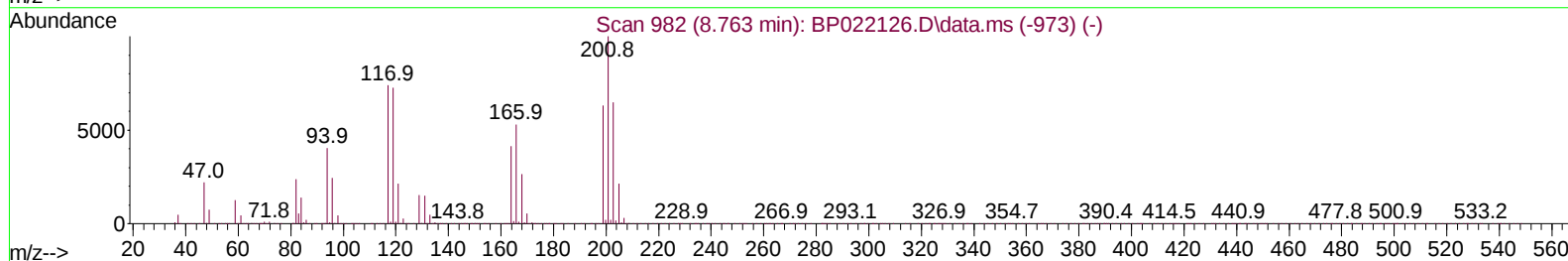
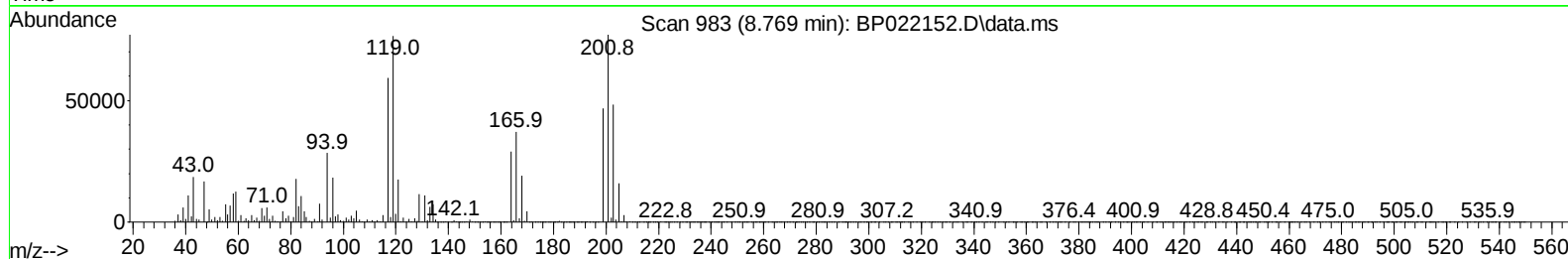
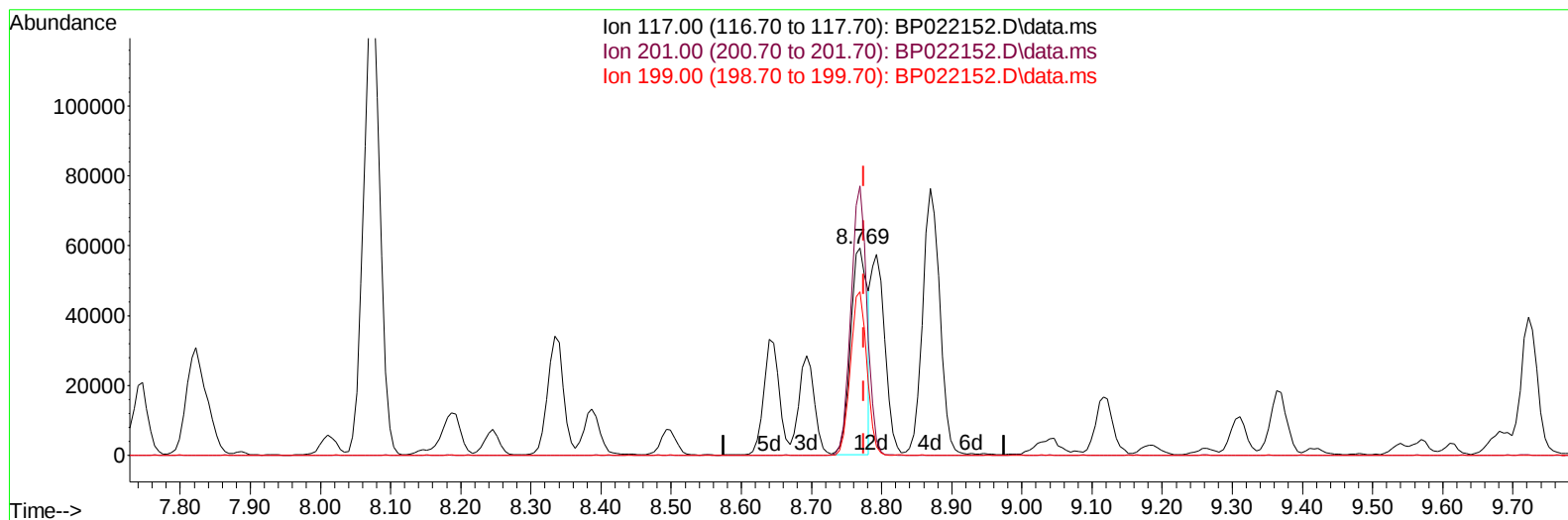
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration



TIC: BP022152.D\data.ms

## (19) Hexachloroethane

8.769min (-0.006) 27.99 ng/u1

response 100581

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 117.00 | 100.00 | 100.00 |
| 201.00 | 137.80 | 129.96 |
| 199.00 | 84.90  | 78.96  |
| 0.00   | 0.00   | 0.00   |

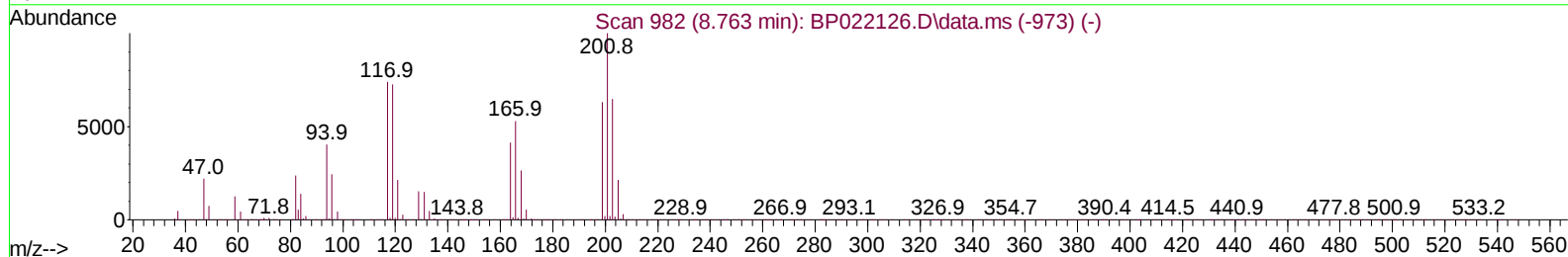
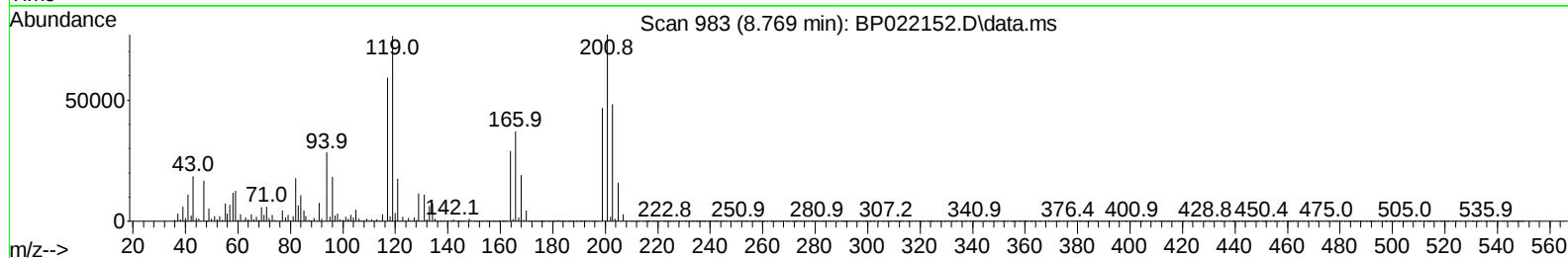
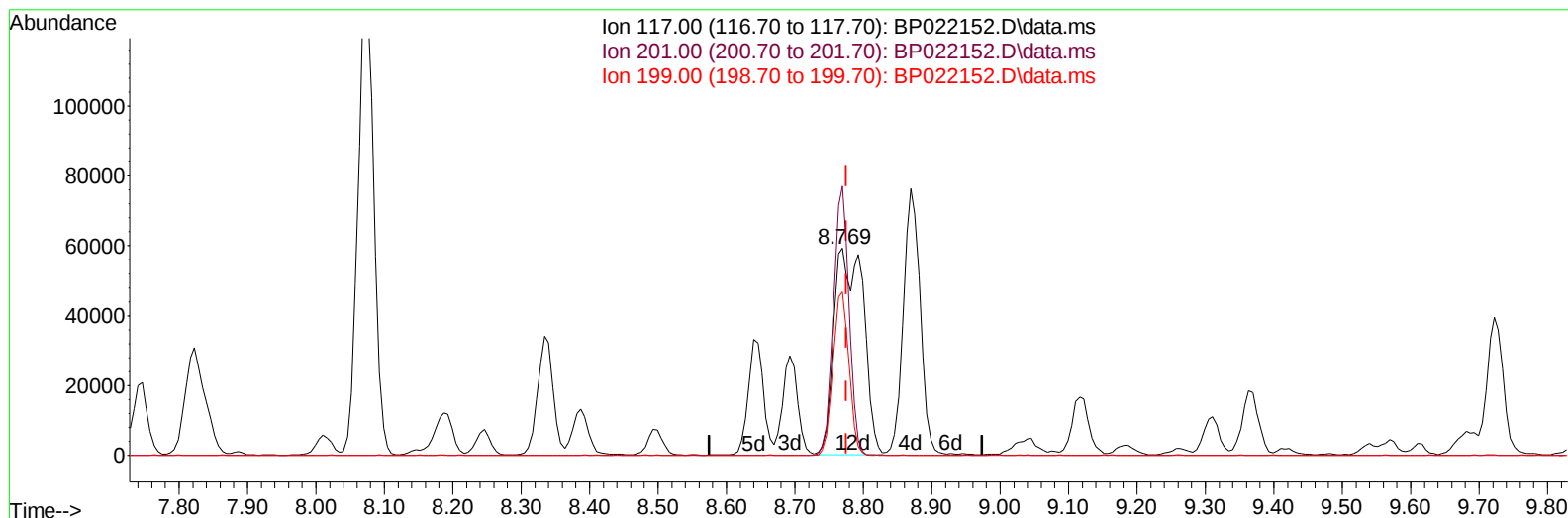
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
 Data File : BP022152.D  
 Acq On : 02 Oct 2024 02:42  
 Operator : RC/JU  
 Sample : P4022-03MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
 Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

**(19) Hexachloroethane**

8.769min (-0.006) 49.57 ng/u1 m

response 178105

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 117.00 | 100.00 | 100.00 |
| 201.00 | 137.80 | 129.96 |
| 199.00 | 84.90  | 78.96  |
| 0.00   | 0.00   | 0.00   |

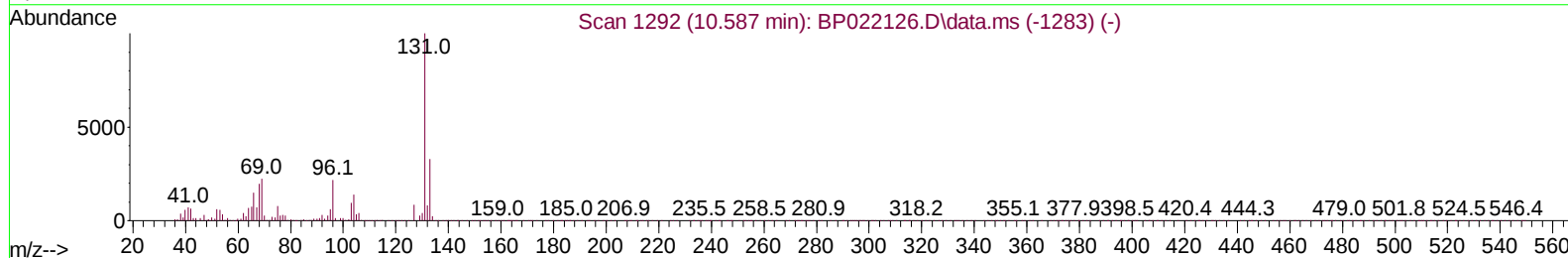
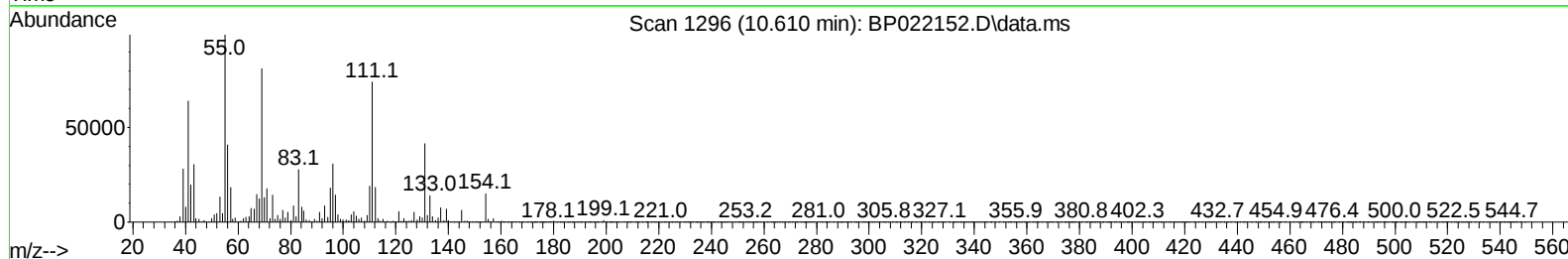
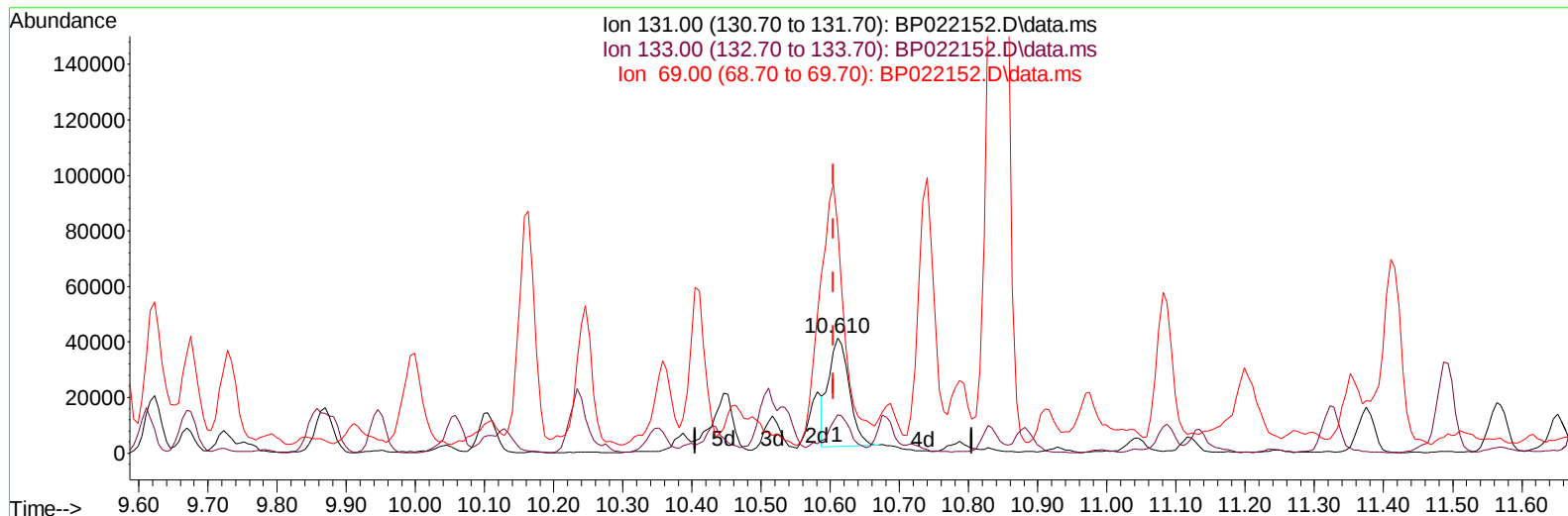
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.610min (+ 0.006) 7.61 ng/u1

response 80459

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 131.00 | 100.00 | 100.00  |
| 133.00 | 32.90  | 33.61   |
| 69.00  | 22.40  | 196.20# |
| 0.00   | 0.00   | 0.00    |

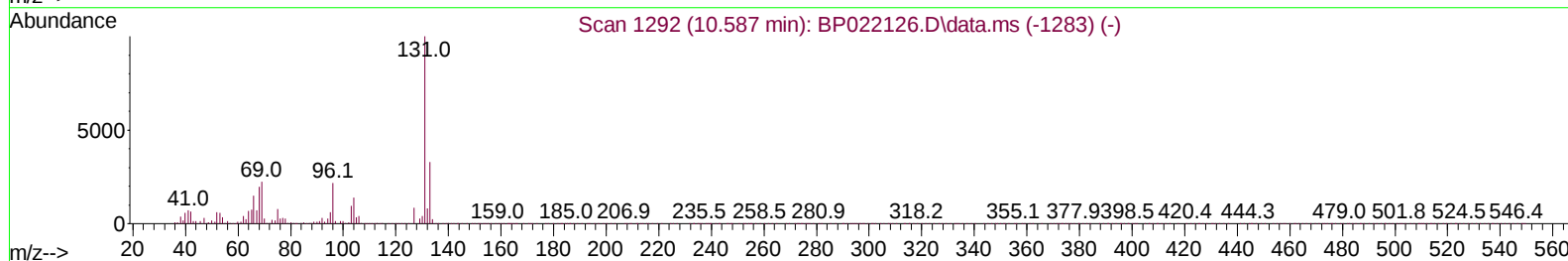
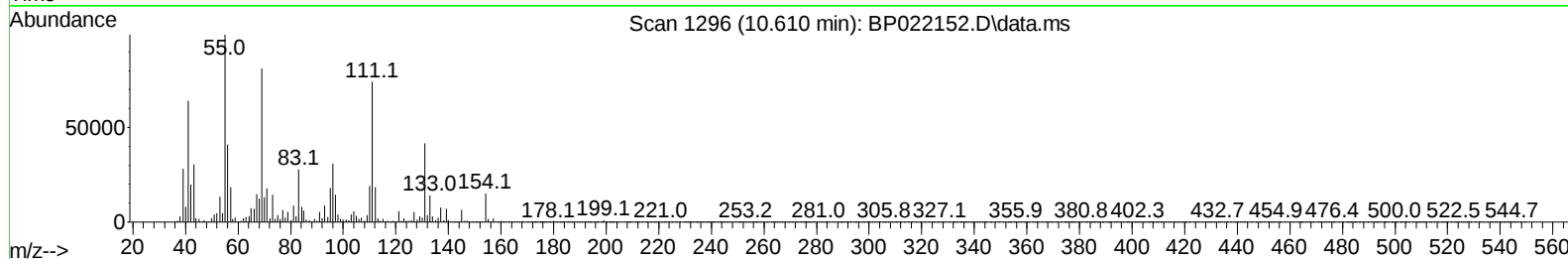
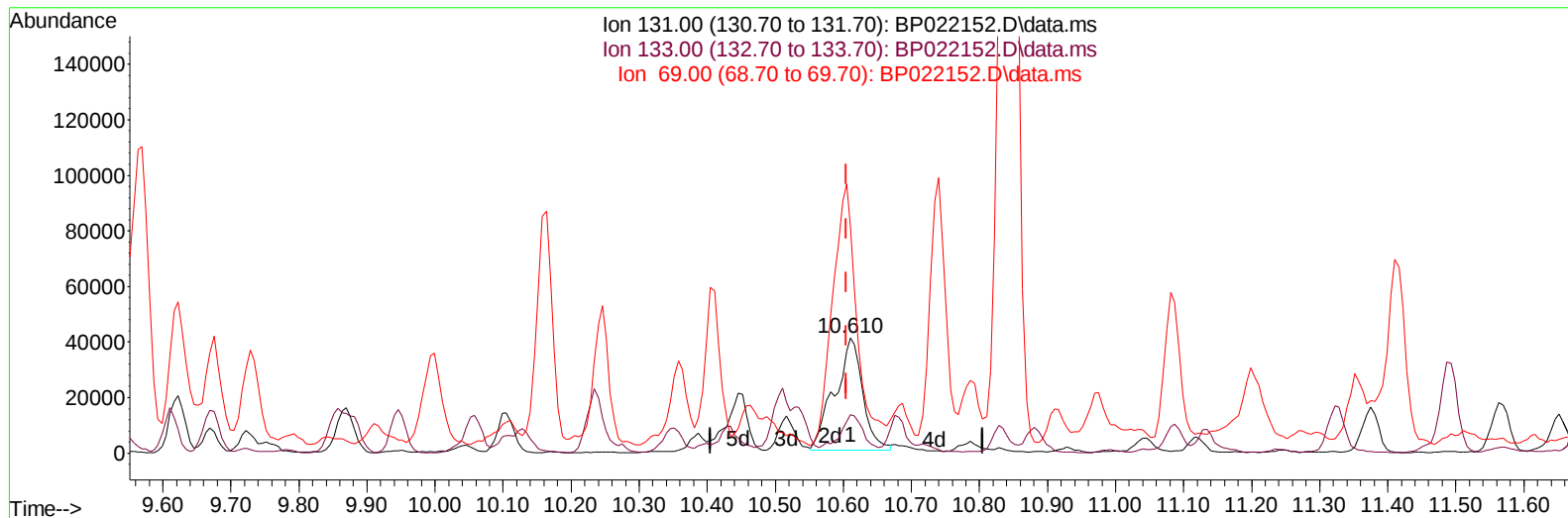
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.610min (+ 0.006) 10.88 ng/ul m

response 115070

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 131.00 | 100.00 | 100.00  |
| 133.00 | 32.90  | 33.61   |
| 69.00  | 22.40  | 196.20# |
| 0.00   | 0.00   | 0.00    |

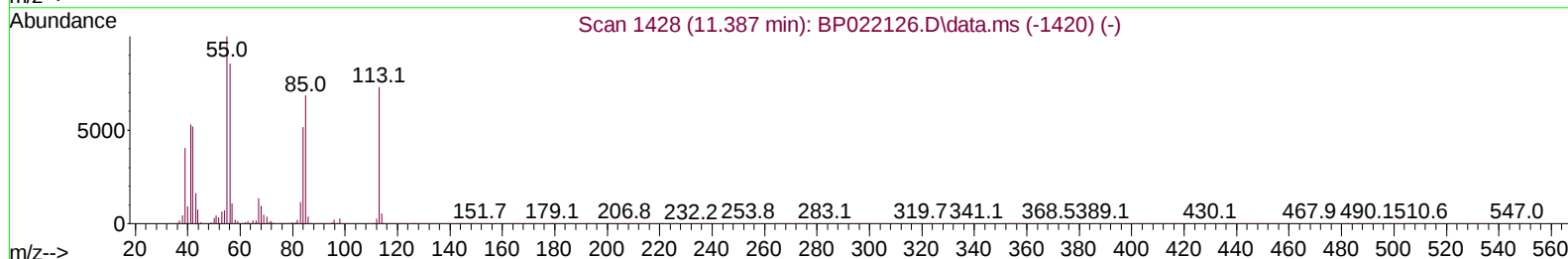
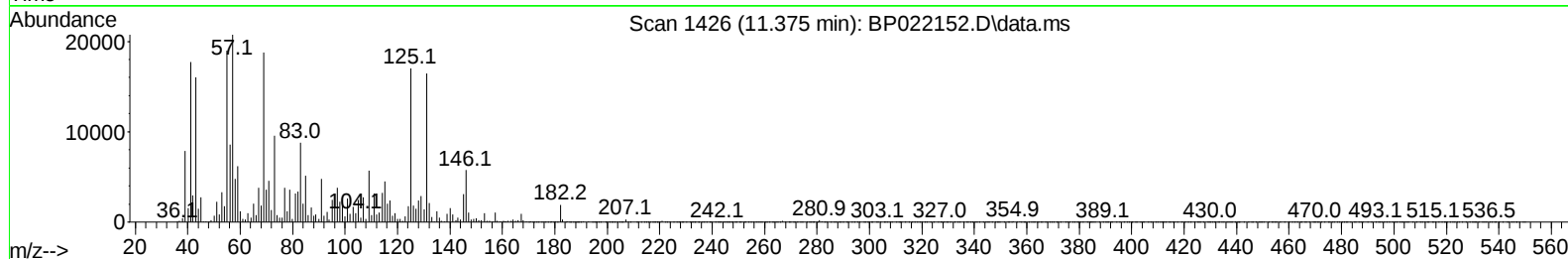
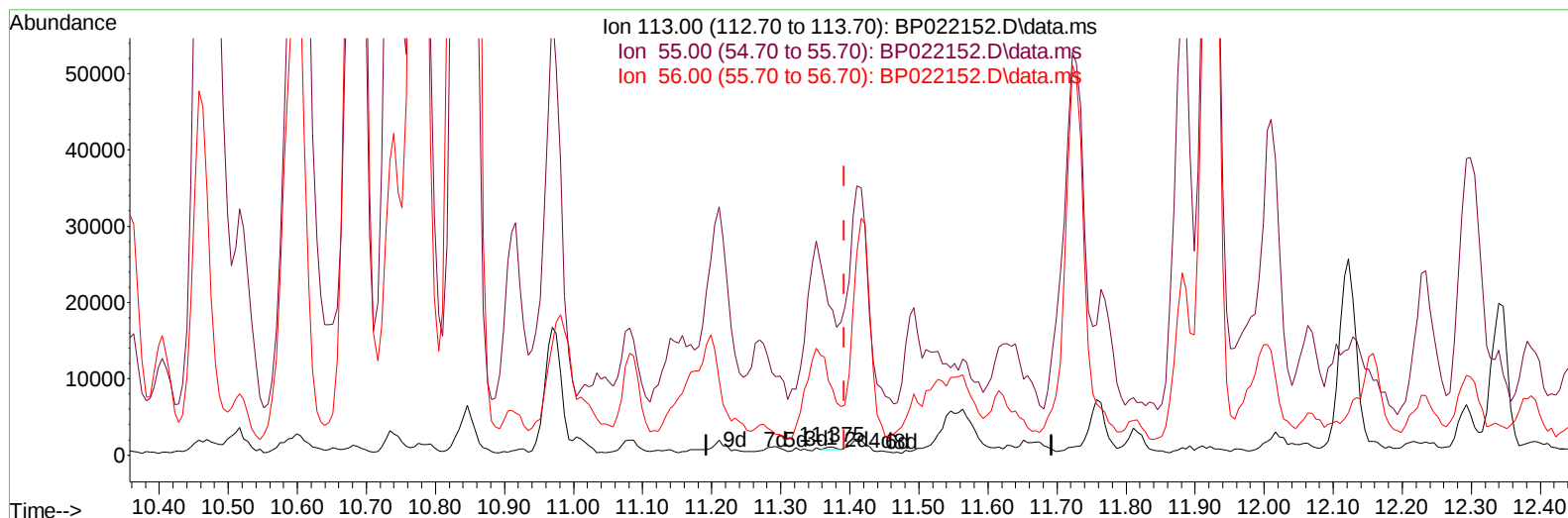
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

(34) Caprolactam

11.375min (-0.017) 0.14 ng/u1

response 367

| Ion    | Exp%   | Act%     |
|--------|--------|----------|
| 113.00 | 100.00 | 100.00   |
| 55.00  | 136.10 | 1783.63# |
| 56.00  | 127.30 | 809.50#  |
| 0.00   | 0.00   | 0.00     |

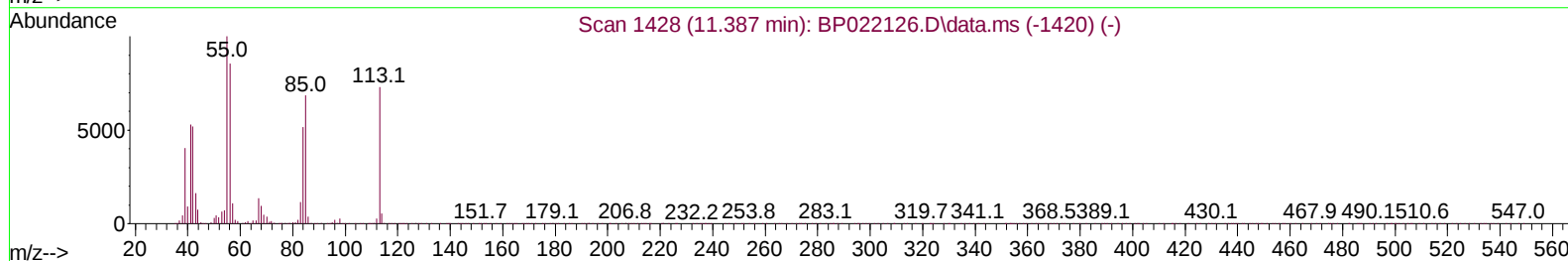
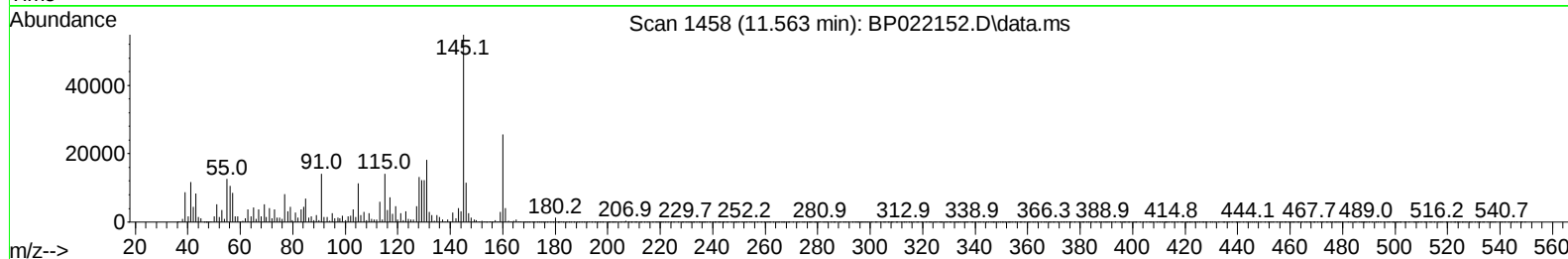
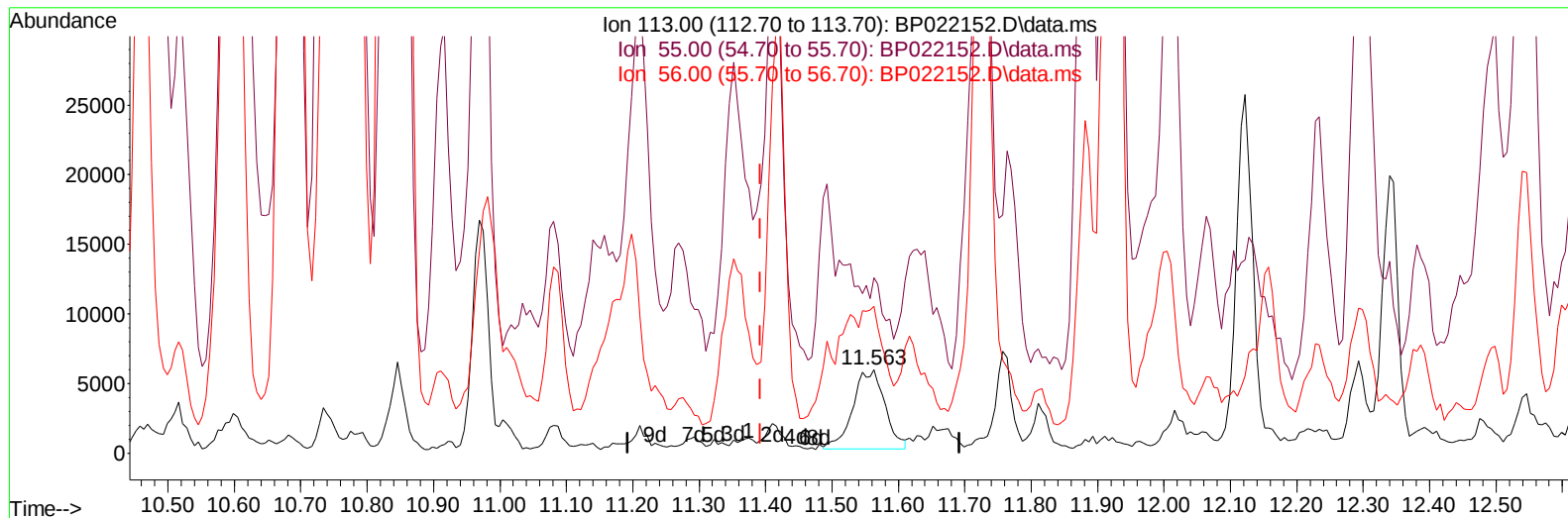
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

(34) Caprolactam

11.563min (+ 0.171) 7.04 ng/ul m

response 18794

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100.00 | 100.00  |
| 55.00  | 136.10 | 209.89# |
| 56.00  | 127.30 | 175.92# |
| 0.00   | 0.00   | 0.00    |

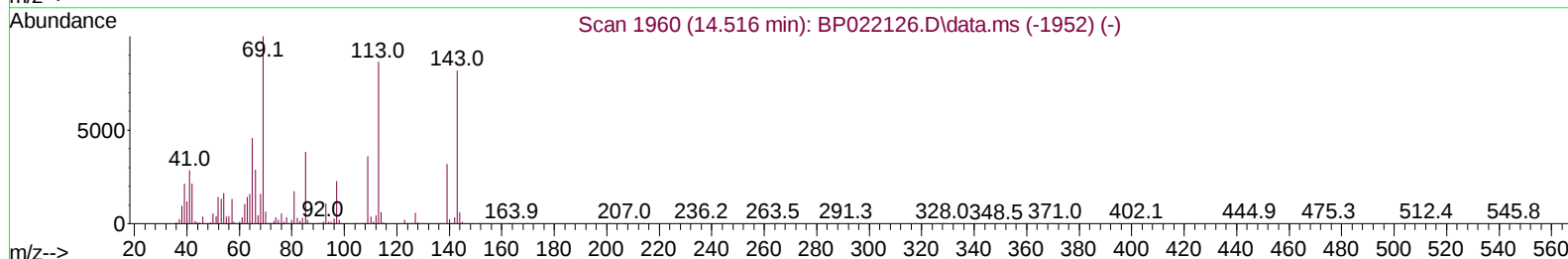
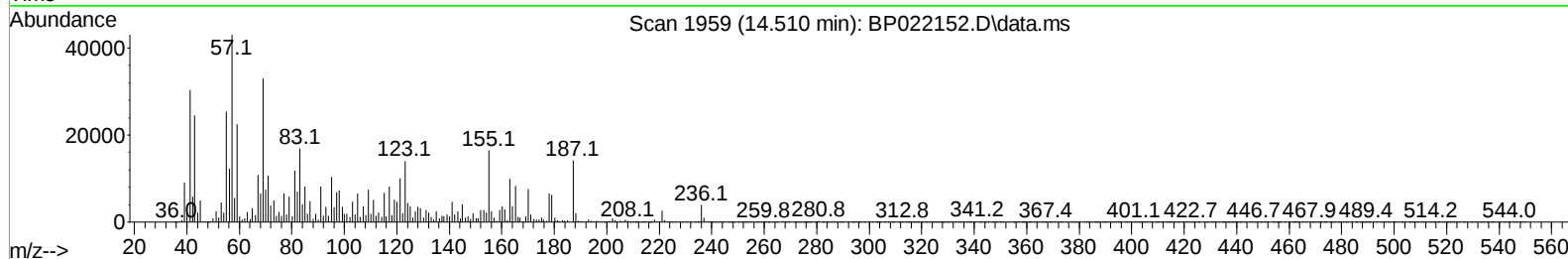
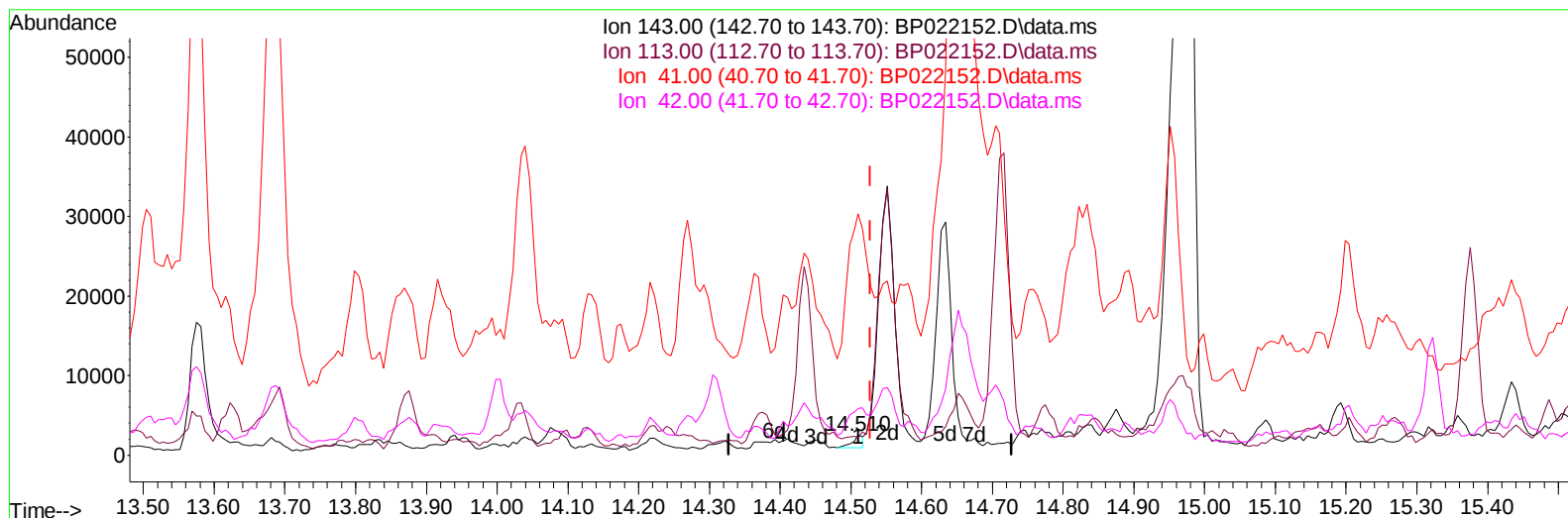
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

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

**14.510min (-0.017) 0.34 ng/u1**

**response 1736**

| Ion    | Exp%   | Act%     |
|--------|--------|----------|
| 143.00 | 100.00 | 100.00   |
| 113.00 | 106.70 | 89.36    |
| 41.00  | 35.80  | 1214.55# |
| 42.00  | 26.20  | 234.55#  |

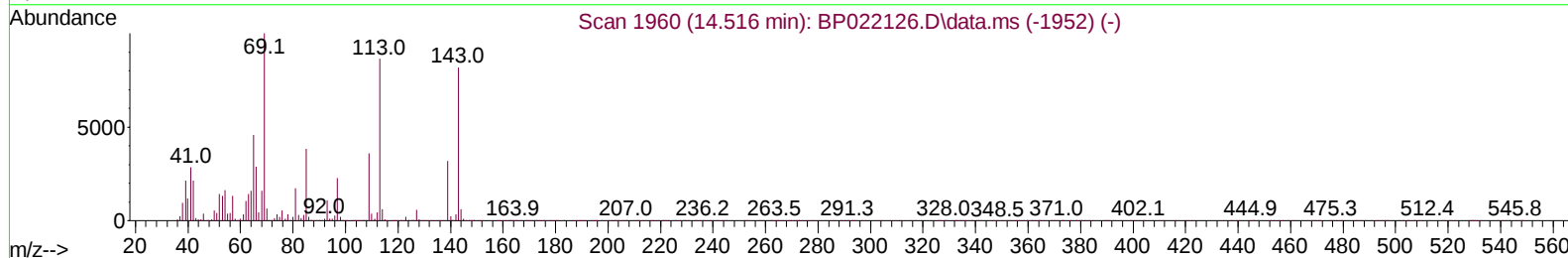
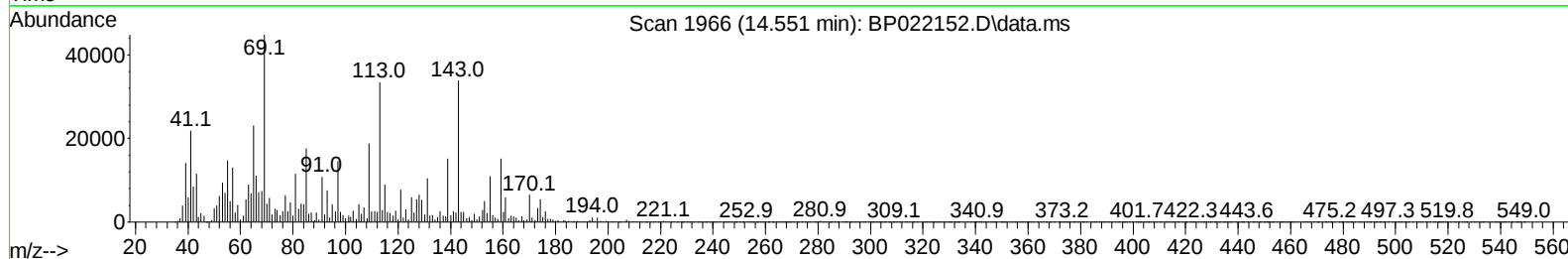
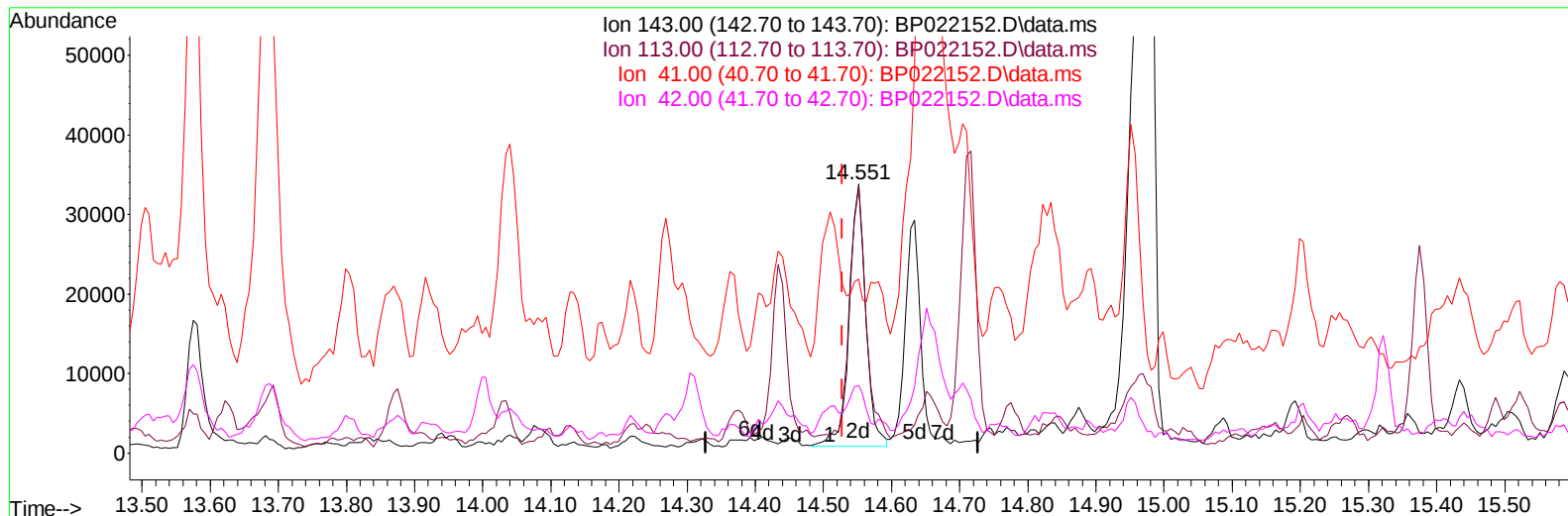
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
 Data File : BP022152.D  
 Acq On : 02 Oct 2024 02:42  
 Operator : RC/JU  
 Sample : P4022-03MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
 Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

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

**14.551min (+ 0.024) 10.89 ng/ul m**

**response 55443**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 106.70 | 98.91  |
| 41.00  | 35.80  | 64.80# |
| 42.00  | 26.20  | 25.17  |

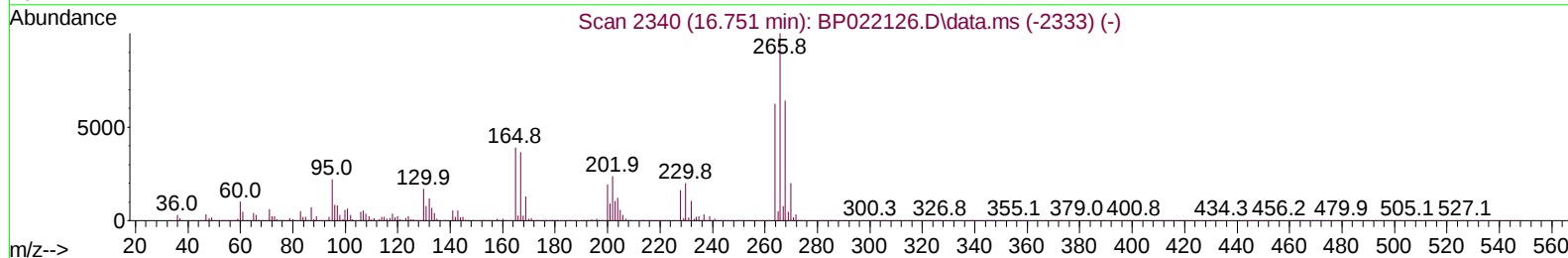
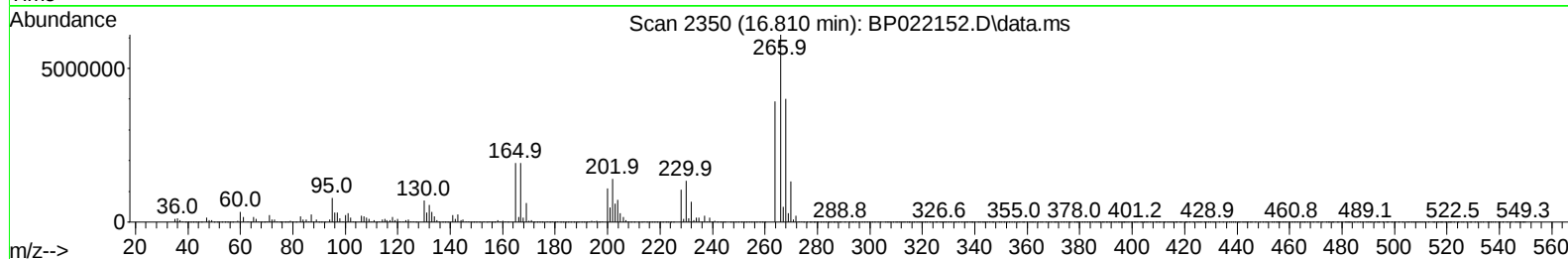
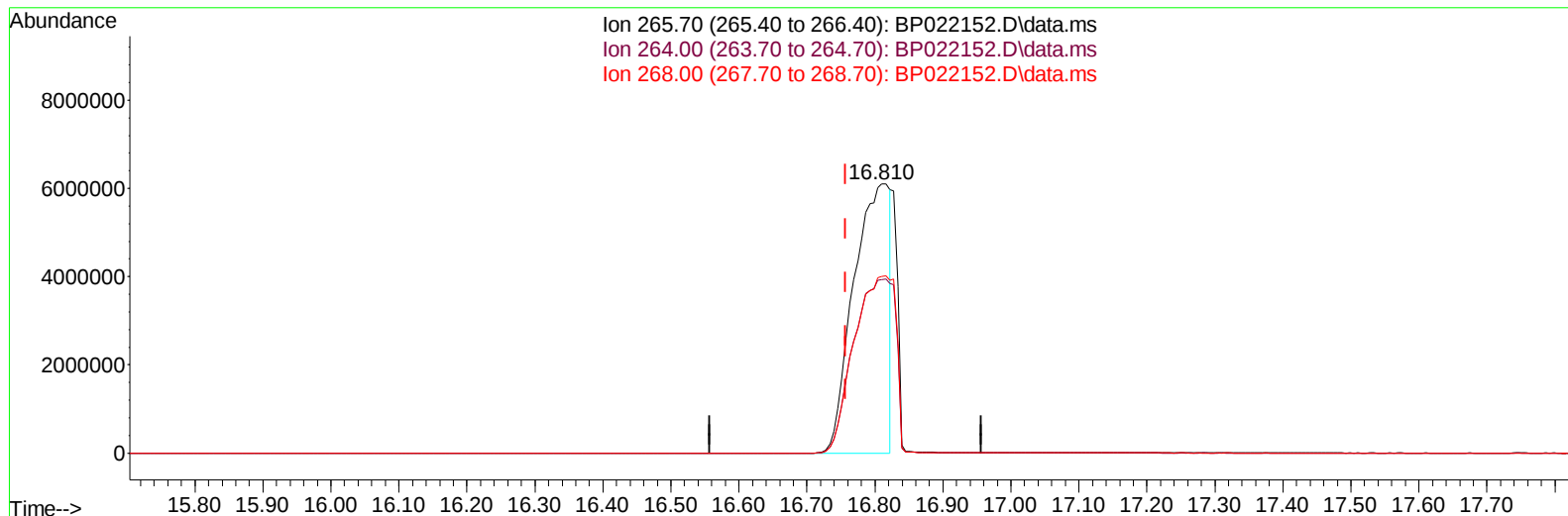
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

(71) Pentachlorophenol (C)

16.810min (+ 0.053) 2560.32 ng/u1

response 22465362

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 62.80  | 64.58  |
| 268.00 | 64.20  | 65.77  |
| 0.00   | 0.00   | 0.00   |

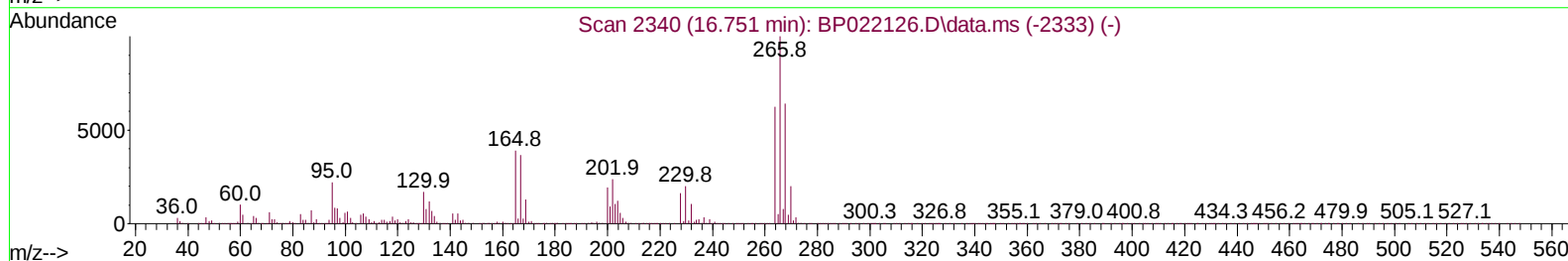
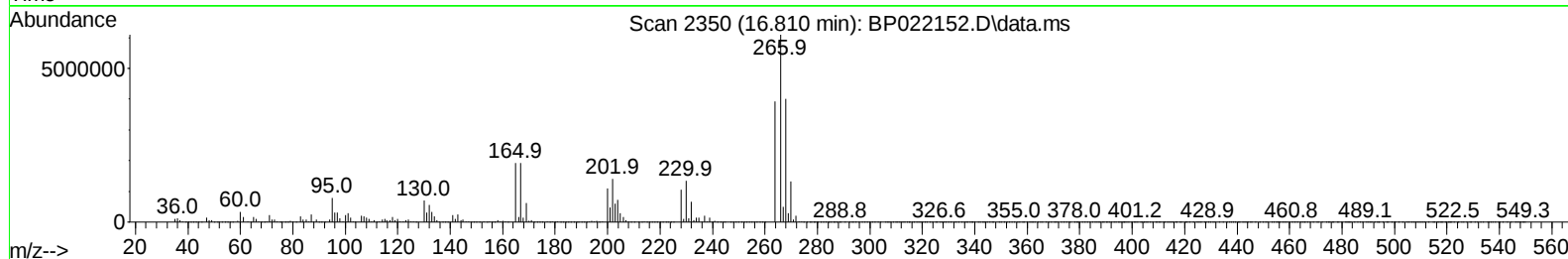
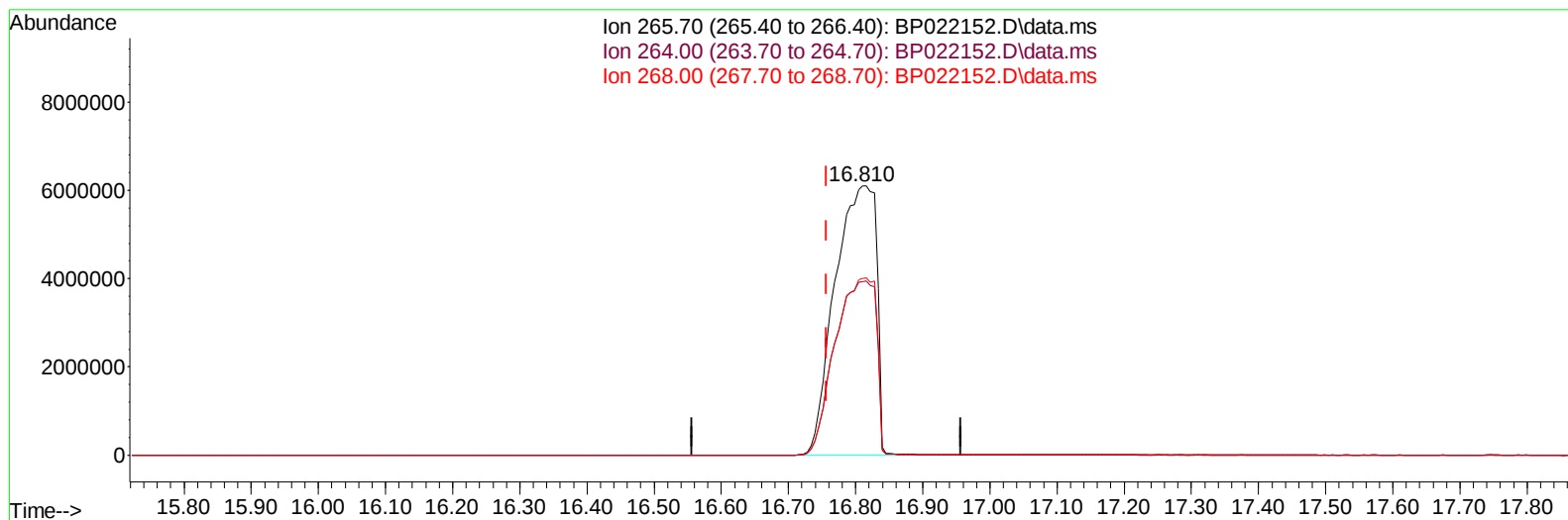
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
 Data File : BP022152.D  
 Acq On : 02 Oct 2024 02:42  
 Operator : RC/JU  
 Sample : P4022-03MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:16:49 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
 Supervised By :mohammad ahmed 10/04/2024



TIC: BP022152.D\data.ms

**(71) Pentachlorophenol (C)**

**16.810min (+ 0.053) 2962.81 ng/ul m**

**response 25996931**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 62.80  | 64.58  |
| 268.00 | 64.20  | 65.77  |
| 0.00   | 0.00   | 0.00   |

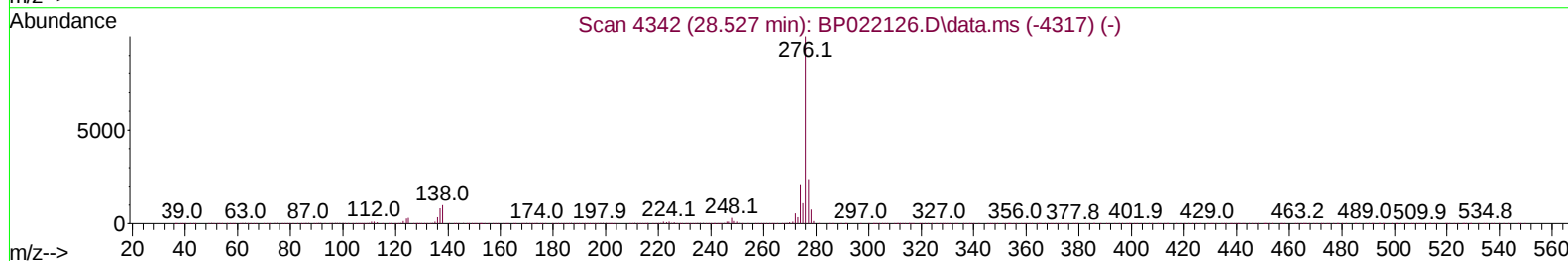
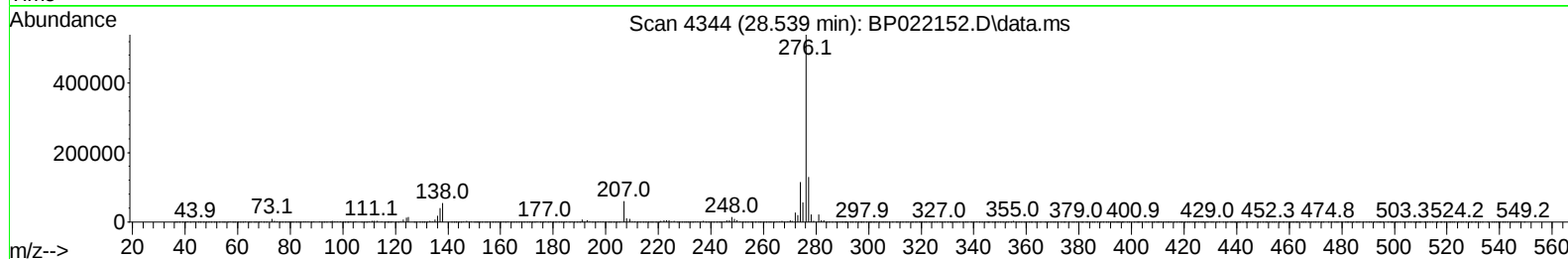
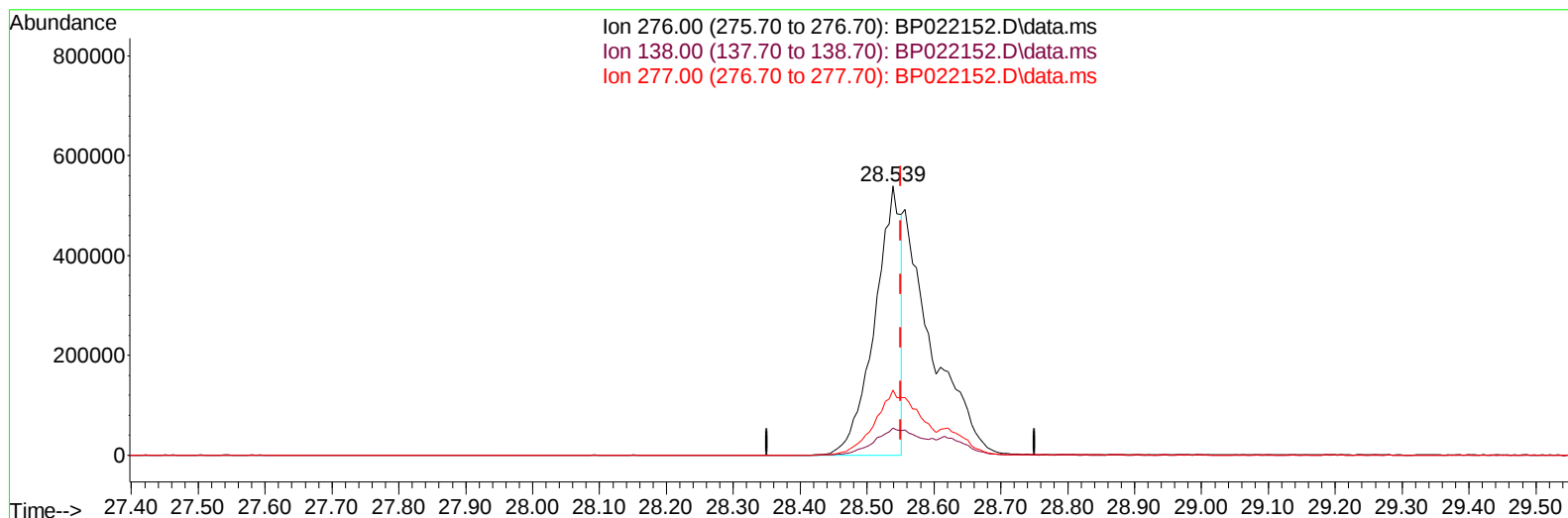
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration



TIC: BP022152.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene****28.539min (-0.012) 15.81 ng/u1****response 1455375**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.50  | 10.04  |
| 277.00 | 24.20  | 24.23  |
| 0.00   | 0.00   | 0.00   |

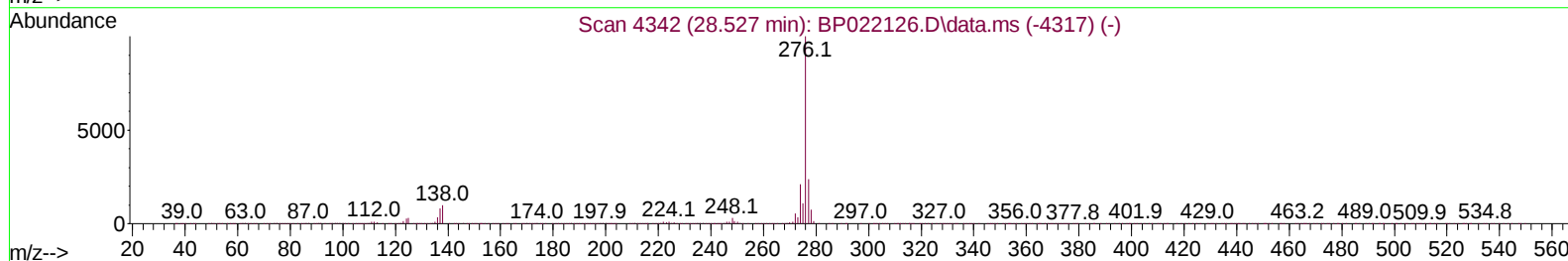
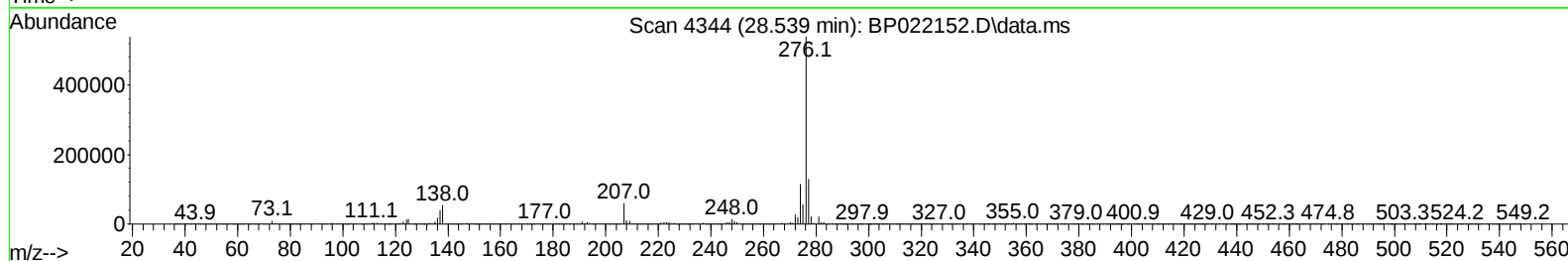
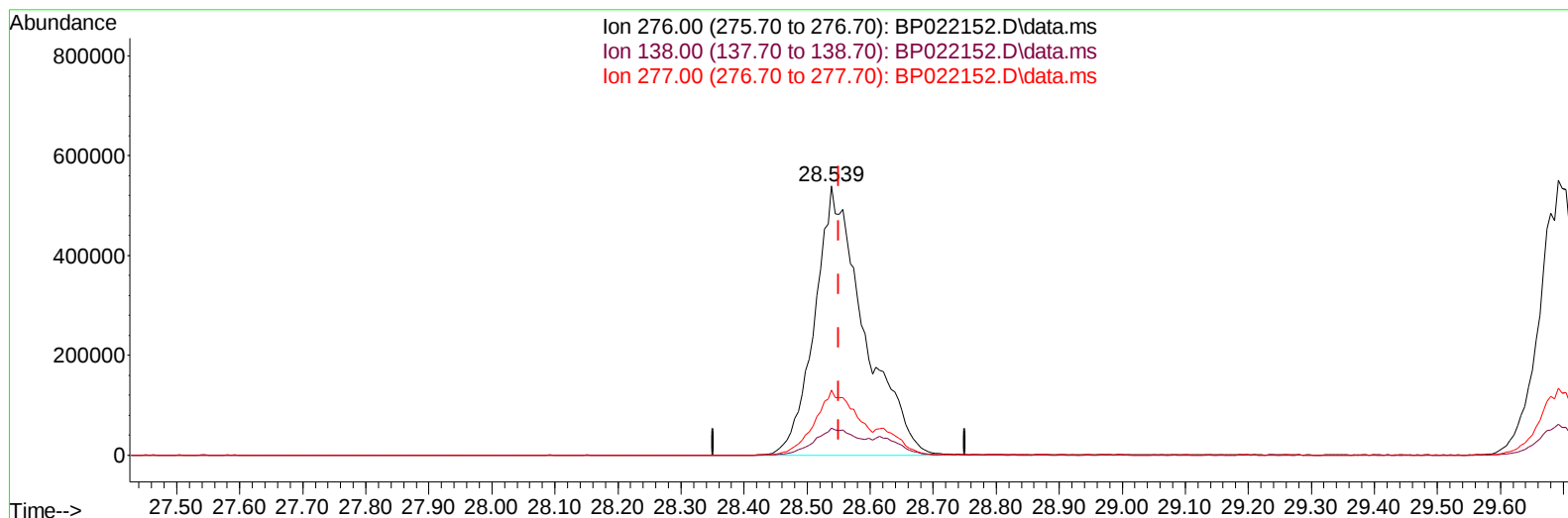
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration



TIC: BP022152.D\data.ms

## (94) Indeno(1,2,3-cd)pyrene

28.539min (-0.012) 31.88 ng/ul m

response 2934048

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.50  | 10.04  |
| 277.00 | 24.20  | 24.23  |
| 0.00   | 0.00   | 0.00   |

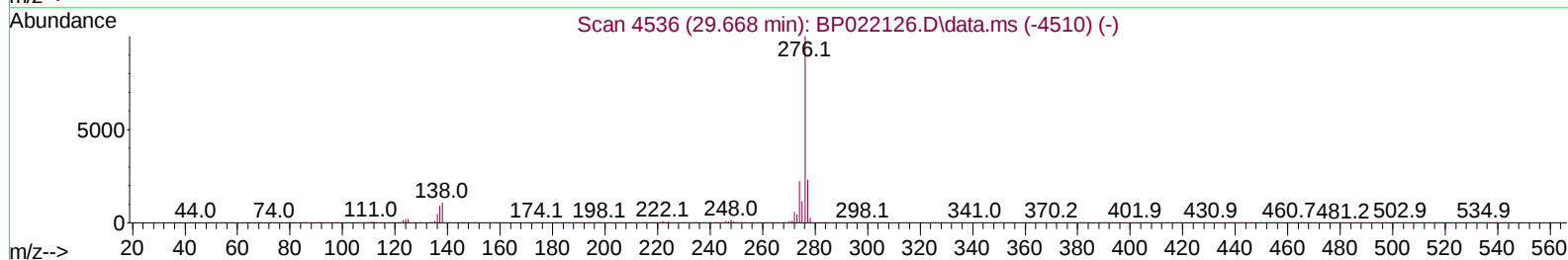
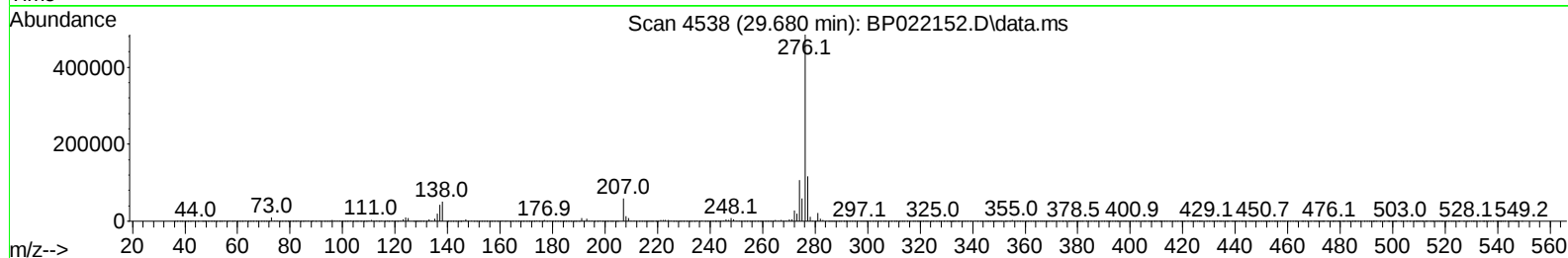
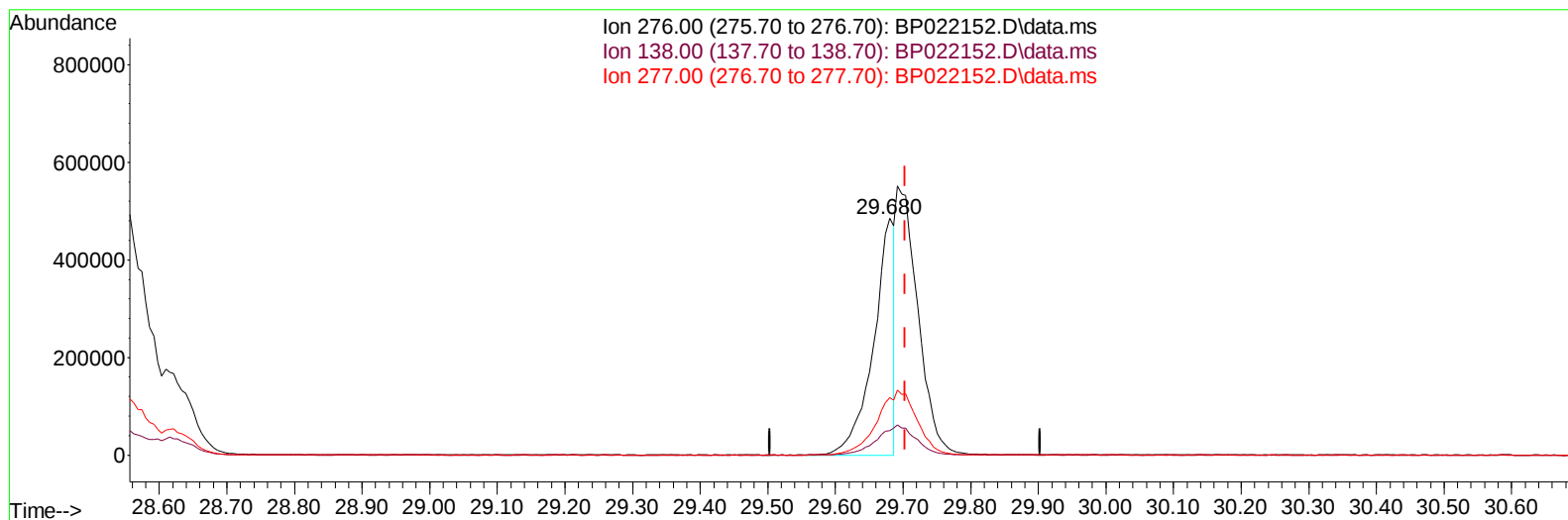
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration



TIC: BP022152.D\data.ms

**(96) Benzo(g,h,i)perylene****29.680min (-0.023) 14.61 ng/u1****response 1043134**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.30  | 10.38  |
| 277.00 | 23.90  | 24.16  |
| 0.00   | 0.00   | 0.00   |

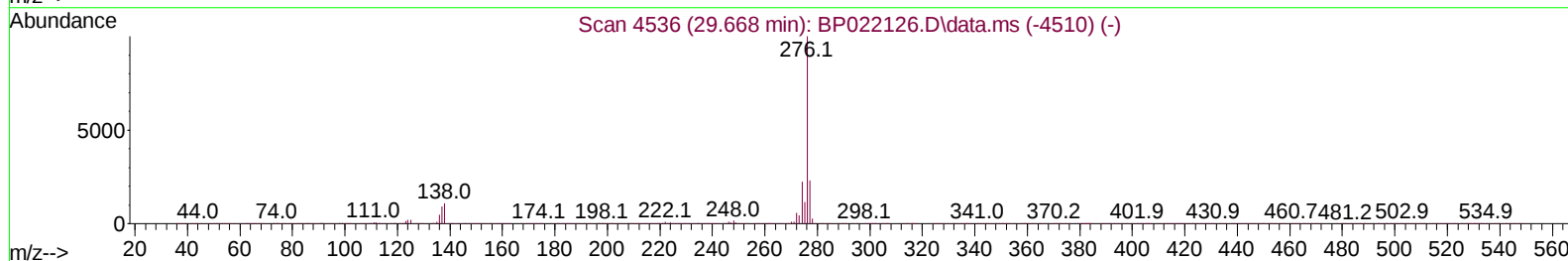
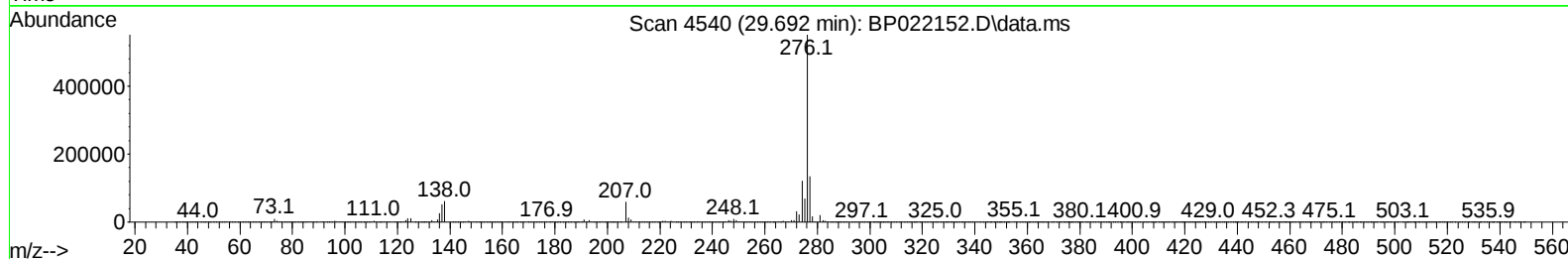
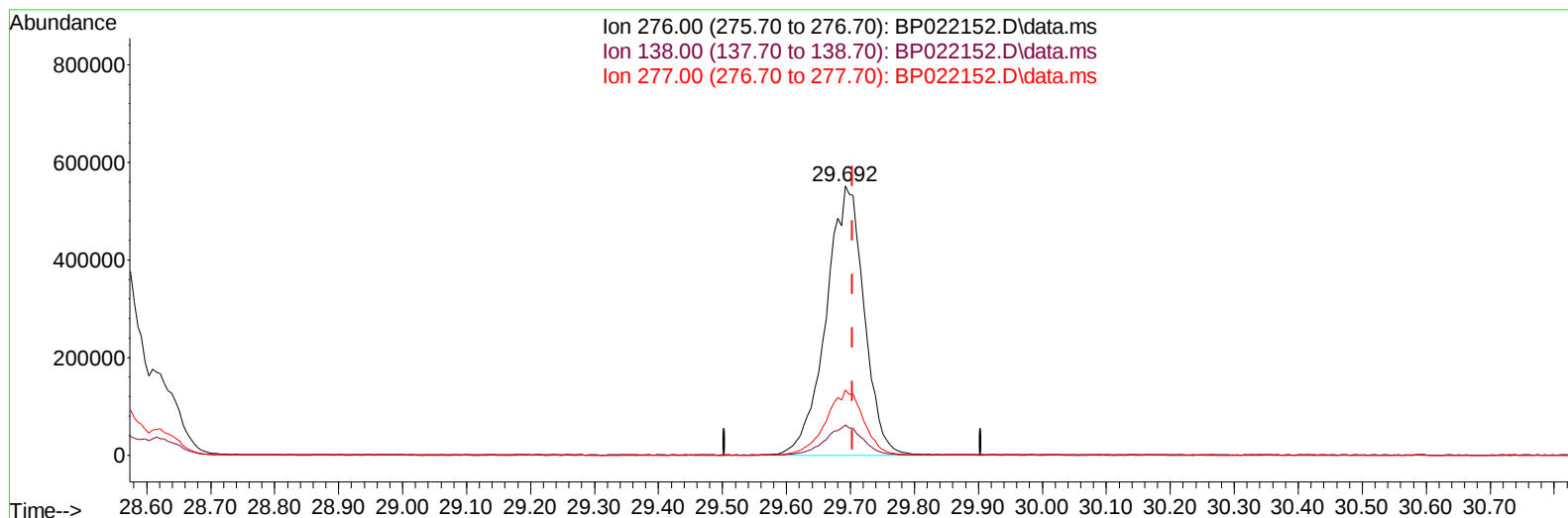
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
Data File : BP022152.D  
Acq On : 02 Oct 2024 02:42  
Operator : RC/JU  
Sample : P4022-03MS  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
DDC70MS

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/02/2024  
Supervised By :mohammad ahmed 10/04/2024

Quant Time: Oct 02 03:16:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Sep 24 15:23:13 2024  
Response via : Initial Calibration



TIC: BP022152.D\data.ms

**(96) Benzo(g,h,i)perylene**

29.692min (-0.012) 31.77 ng/ul m

response 2268991

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.30  | 11.22  |
| 277.00 | 23.90  | 24.27  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
 Data File : BP022152.D  
 Acq On : 02 Oct 2024 02:42  
 Operator : RC/JU  
 Sample : P4022-03MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:22:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
 Supervised By :mohammad ahmed 10/04/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.705  | 152  | 124060   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.463 | 136  | 480960   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.310 | 164  | 385214   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.116 | 188  | 901911   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 1019454  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.827 | 264  | 1234050  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.223  | 96   | 6670     | 2.106  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.640  | 84   | 58727    | 6.487  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.917  | 99   | 89239    | 8.794  | ng/ul  | 0.02     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.046  | 67   | 164398   | 26.308 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.252  | 132  | 200686   | 27.332 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.416  | 113  | 156525   | 19.465 | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 109771   | 30.494 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.558  | 143  | 129950   | 31.838 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.105 | 165  | 269448   | 30.398 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 115070m  | 10.880 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.728 | 166  | 902165   | 30.297 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 944418   | 29.956 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.551 | 143  | 55443m   | 10.885 | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.322 | 176  | 791075   | 30.033 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200  | 205305   | 36.665 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.216 | 188  | 1362264  | 32.354 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.586 | 212  | 1774263  | 33.593 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.592 | 264  | 2067152  | 31.848 | ng/ul  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.252  | 88   | 15736    | 4.587  | ng/uL  | 98       |
| 5) Pyridine                   | 3.658  | 79   | 69055    | 7.508  | ng/ul  | 98       |
| 6) Benzaldehyde               | 6.858  | 77   | 272636   | 47.491 | ng/ul# | 1        |
| 8) Phenol                     | 6.940  | 94   | 100343   | 9.475  | ng/ul# | 45       |
| 10) Bis(2-Chloroethyl)ether   | 7.134  | 93   | 221002   | 27.265 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.287  | 128  | 207427   | 27.251 | ng/ul  | 97       |
| 13) 2-Methylphenol            | 8.158  | 108  | 168248   | 21.905 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216  | 45   | 190938   | 25.392 | ng/ul  | 96       |
| 16) Acetophenone              | 8.499  | 105  | 917683   | 68.606 | ng/ul# | 46       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 193582   | 27.916 | ng/ul# | 94       |
| 18) 4-Methylphenol            | 8.475  | 108  | 165230   | 19.727 | ng/ul  | 99       |
| 19) Hexachloroethane          | 8.769  | 117  | 178105m  | 49.568 | ng/ul  |          |
| 22) Nitrobenzene              | 8.887  | 77   | 313005   | 28.440 | ng/ul  | 98       |
| 23) Isophorone                | 9.411  | 82   | 1028556  | 53.953 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.587  | 139  | 137011   | 31.372 | ng/ul  | 96       |
| 26) 2,4-Dimethylphenol        | 9.663  | 107  | 271076   | 27.400 | ng/ul  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 9.881  | 93   | 309140   | 28.132 | ng/ul  | 98       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 290973   | 33.041 | ng/ul  | 98       |
| 30) Naphthalene               | 10.516 | 128  | 1748629  | 69.097 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.634 | 127  | 78583    | 7.502  | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.799 | 225  | 214325   | 27.412 | ng/ul  | 98       |
| 34) Caprolactam               | 11.563 | 113  | 18794m   | 7.035  | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 287452   | 30.172 | ng/ul  | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP100124\  
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 Sample : P4022-03MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DDC70MS

Manual IntegrationsAPPROVED

Quant Time: Oct 02 03:22:45 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092424.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 24 15:23:13 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/02/2024  
 Supervised By :mohammad ahmed 10/04/2024

| Compound                      | R.T.   | QIon | Response  | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.122 | 142  | 1352081   | 71.893   | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.340 | 142  | 1025847   | 54.085   | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.493 | 216  | 400640    | 28.052   | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.469 | 237  | 154768    | 17.228   | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 12.740 | 196  | 356899    | 41.802   | ng/ul  | 98       |
| 42) 2,4,5-Trichlorophenol     | 12.816 | 196  | 326708    | 35.337   | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.140 | 154  | 844597    | 30.660   | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.181 | 162  | 647393    | 29.189   | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.387 | 65   | 213139    | 33.234   | ng/ul  | 91       |
| 47) Dimethylphthalate         | 13.769 | 163  | 891996    | 29.824   | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.887 | 165  | 188378    | 32.855   | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.034 | 152  | 1001848   | 30.472   | ng/ul  | 97       |
| 51) 3-Nitroaniline            | 14.228 | 138  | 87266     | 16.717   | ng/ul  | 89       |
| 52) Acenaphthene              | 14.375 | 153  | 724775    | 30.340   | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.428 | 184  | 121933    | 31.255   | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.563 | 109  | 63599     | 11.037   | ng/ul  | 86       |
| 56) Dibenzofuran              | 14.716 | 168  | 1060610   | 29.863   | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.687 | 165  | 282939    | 32.022   | ng/ul  | 91       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 9578812   | 1076.306 | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.151 | 149  | 893288    | 30.179   | ng/ul  | 98       |
| 61) Fluorene                  | 15.375 | 166  | 910859    | 30.839   | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 493451    | 29.019   | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.398 | 138  | 110286    | 20.758   | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 264826    | 43.441   | ng/ul# | 99       |
| 67) N-Nitrosodiphenylamine    | 15.587 | 169  | 764797    | 32.196   | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.275 | 248  | 359609    | 33.202   | ng/ul  | 100      |
| 69) Hexachlorobenzene         | 16.398 | 284  | 435343    | 33.103   | ng/ul  | 94       |
| 70) Atrazine                  | 16.604 | 200  | 182540    | 17.226   | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.810 | 266  | 25996931m | 2962.805 | ng/ul  |          |
| 72) Phenanthrene              | 17.163 | 178  | 1557875   | 32.944   | ng/ul  | 99       |
| 74) Anthracene                | 17.251 | 178  | 1476024   | 30.672   | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216  | 397939    | 29.402   | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.634 | 250  | 450280    | 30.253   | ng/uL  | 99       |
| 77) Carbazole                 | 17.522 | 167  | 1329629   | 31.350   | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.116 | 149  | 1627478   | 33.283   | ng/ul  | 99       |
| 80) Fluoranthene              | 19.239 | 202  | 1981787   | 32.829   | ng/ul  | 98       |
| 82) Pyrene                    | 19.610 | 202  | 2165370   | 33.324   | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.563 | 149  | 786212    | 34.718   | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.451 | 252  | 49807     | 2.134    | ng/ul  | 96       |
| 85) Benzo(a)anthracene        | 21.516 | 228  | 2191404   | 31.192   | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.463 | 149  | 1100796   | 33.131   | ng/ul  | 99       |
| 87) Chrysene                  | 21.586 | 228  | 2093391   | 31.749   | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.716 | 149  | 1946029   | 31.922   | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.786 | 252  | 2373388   | 30.982   | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.857 | 252  | 2339822   | 30.646   | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.663 | 252  | 2097760   | 29.718   | ng/ul  | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 28.539 | 276  | 2934048m  | 31.879   | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.621 | 278  | 2379036   | 32.087   | ng/ul# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.692 | 276  | 2268991m  | 31.771   | ng/ul  |          |

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

**Instrument :**

BNA\_P

**ClientSampleId :**

DDC70MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/02/2024

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