

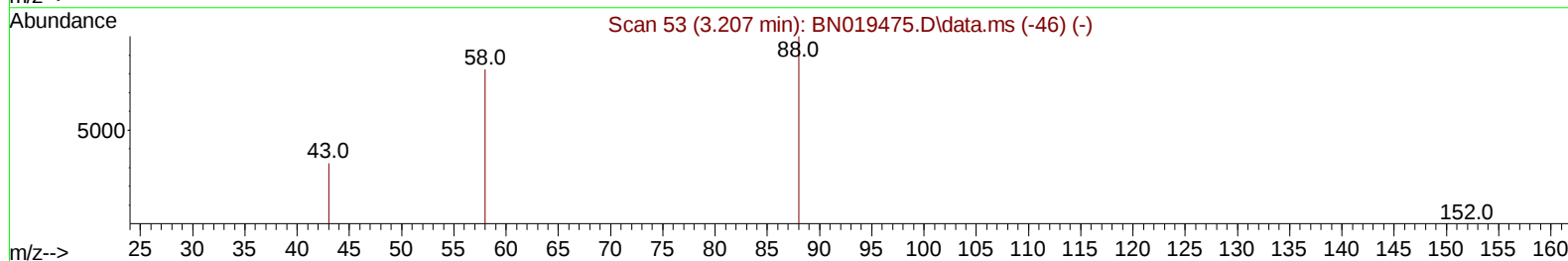
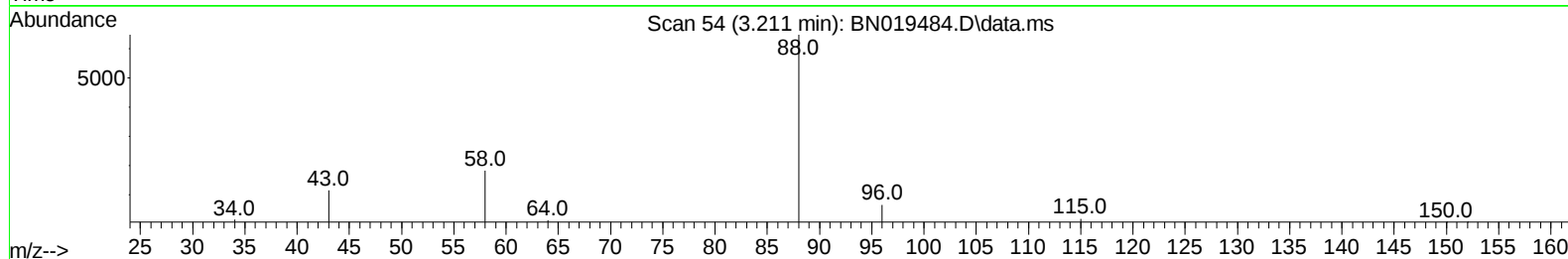
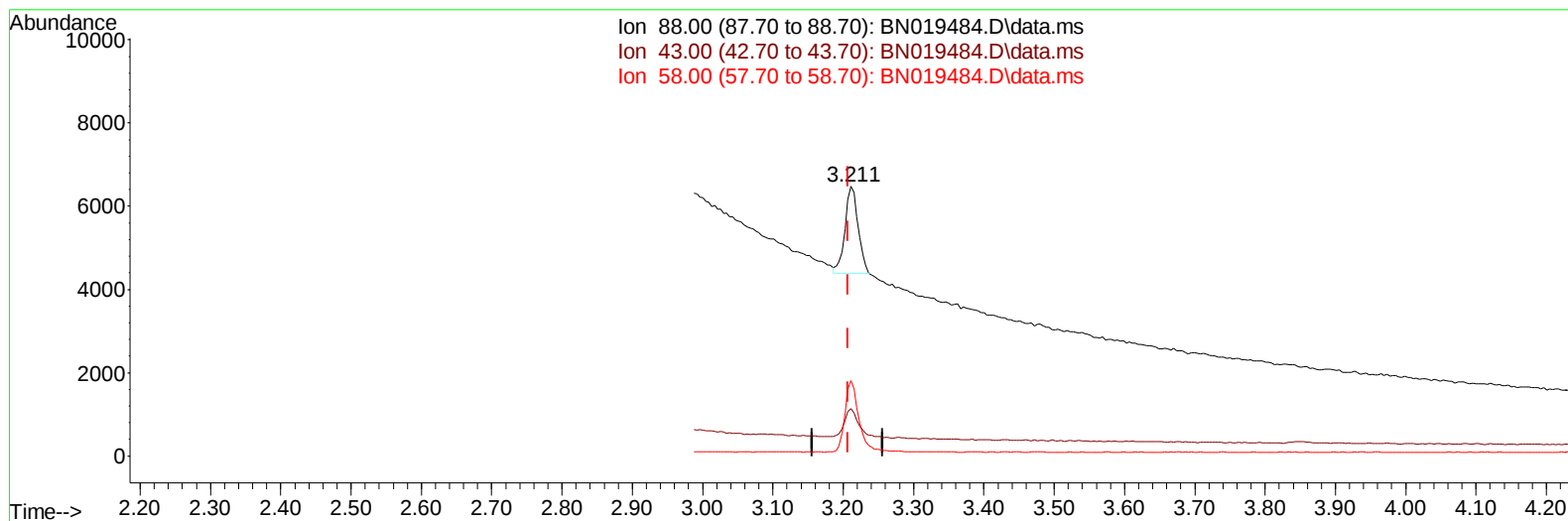
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041822\  
Data File : BN019484.D  
Acq On : 18 Apr 2022 18:22  
Operator : CG/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 19 03:05:48 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN041822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 18 15:28:08 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
Supervised By :Yogesh Patel 04/22/2022



TIC: BN019484.D\data.ms

(2) 1,4-Dioxane

3.211min (+ 0.004) 0.46 ng/u1

response 2696

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 48.70  | 17.54# |
| 58.00 | 49.80  | 28.00# |
| 0.00  | 0.00   | 0.00   |

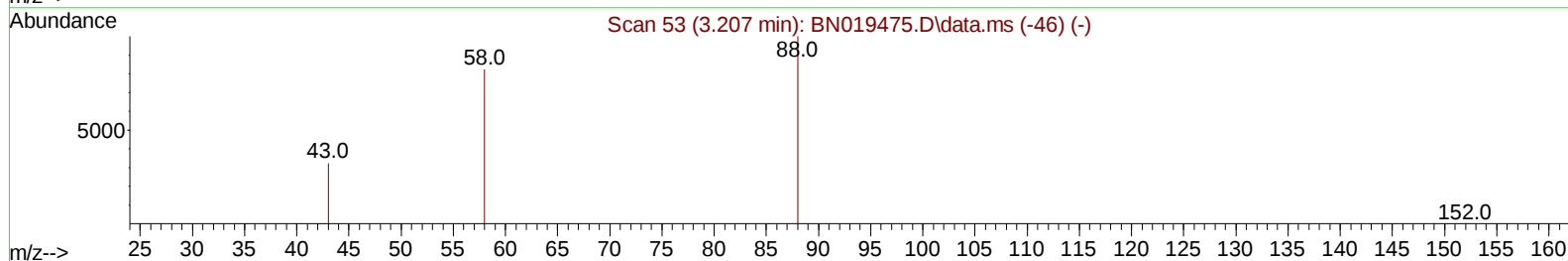
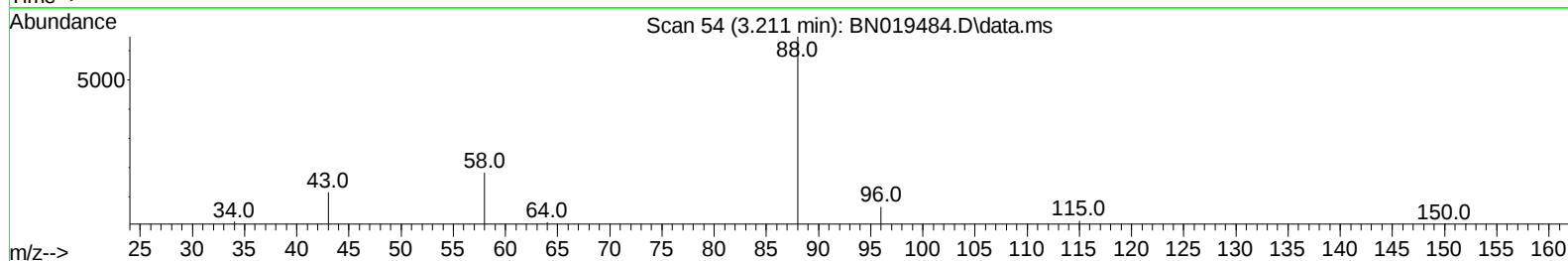
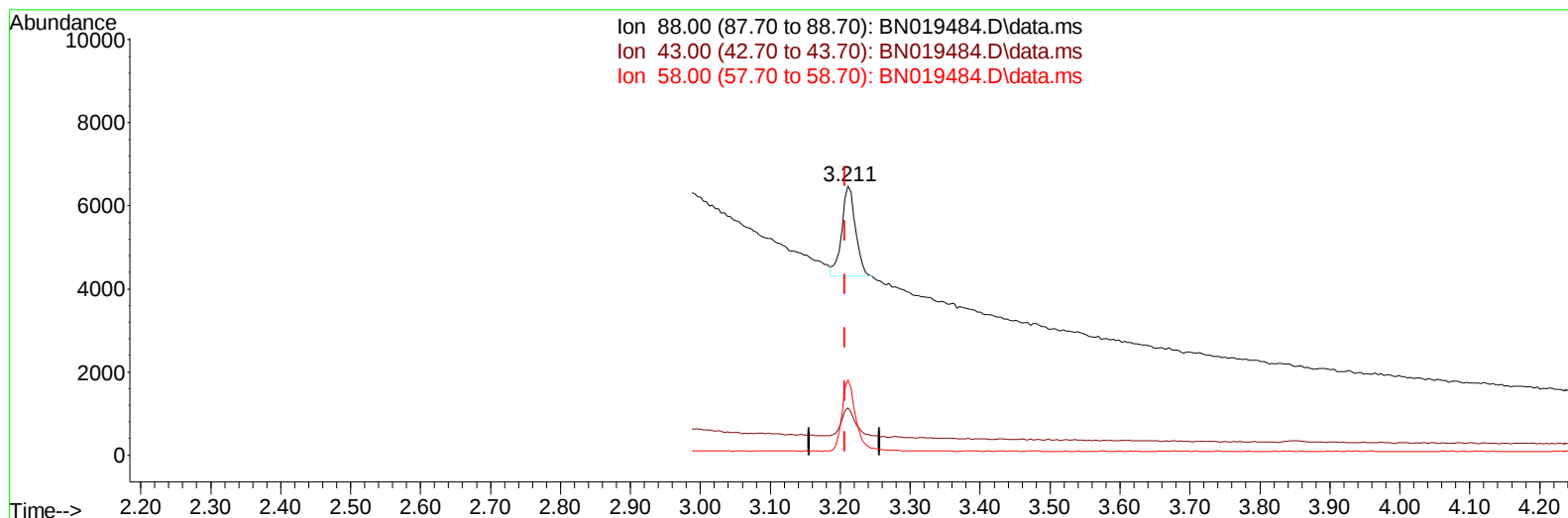
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041822\  
 Data File : BN019484.D  
 Acq On : 18 Apr 2022 18:22  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 19 03:05:48 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN041822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 18 15:28:08 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
 Supervised By :Yogesh Patel 04/22/2022



TIC: BN019484.D\data.ms

(2) 1,4-Dioxane

3.211min (+ 0.004) 0.50 ng/ul m

response 2916

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 88.00 | 100.00 | 100.00 |
| 43.00 | 48.70  | 17.54# |
| 58.00 | 49.80  | 28.00# |
| 0.00  | 0.00   | 0.00   |

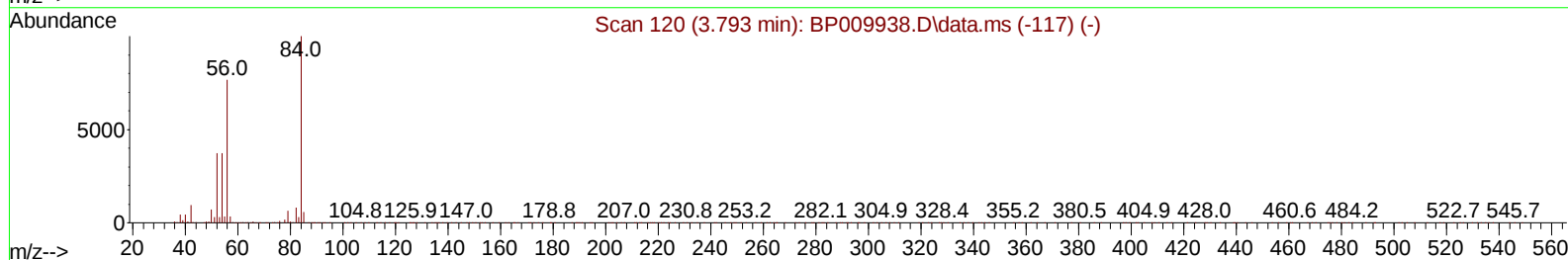
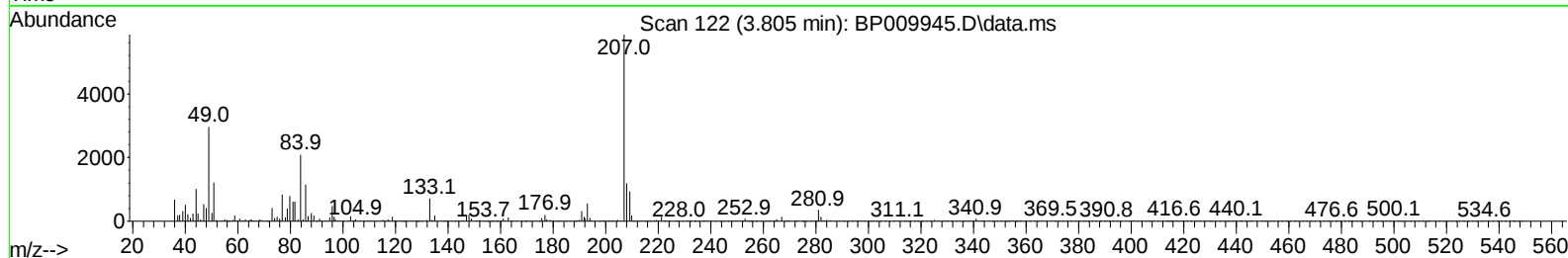
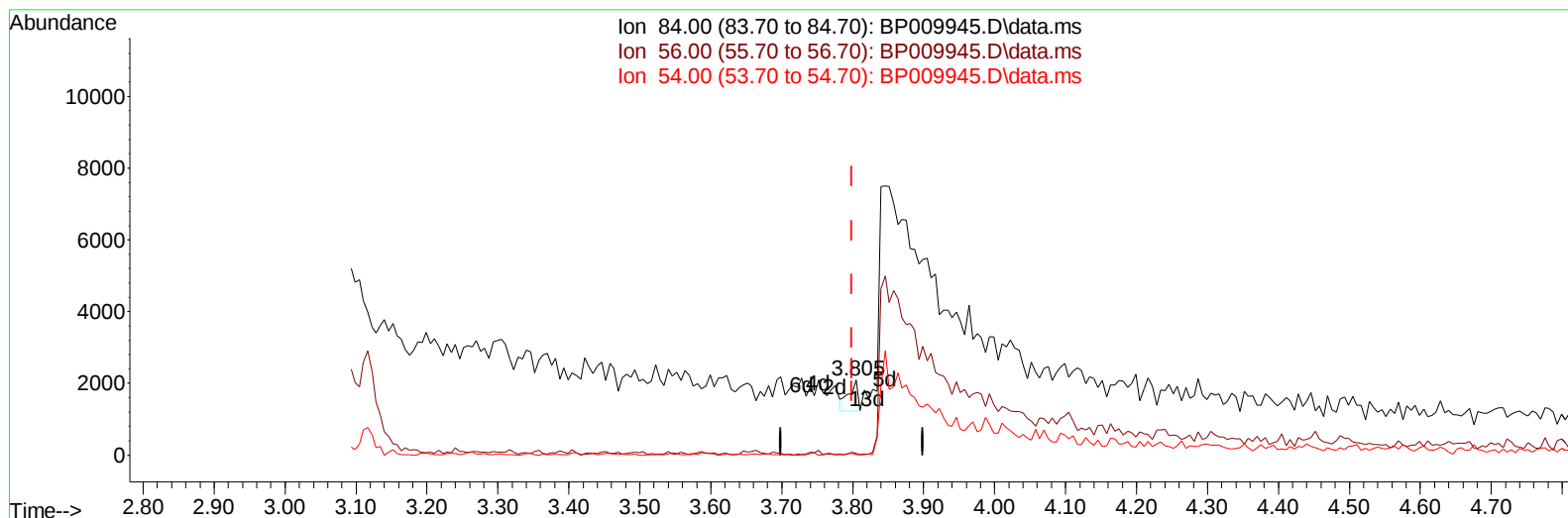
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
 Data File : BP009945.D  
 Acq On : 19 Apr 2022 08:25  
 Operator : CG/JU  
 Sample : N2421-15  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 20 00:57:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 18 00:59:30 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
 Supervised By :Yogesh Patel 04/22/2022



TIC: BP009945.D\data.ms

**(4) Pyridine-d5 (S)**

**3.805min (+ 0.006) 0.10 ng/u1**

**response 772**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 56.00 | 30.50  | 2.53#  |
| 54.00 | 24.80  | 0.72#  |
| 0.00  | 0.00   | 0.00   |

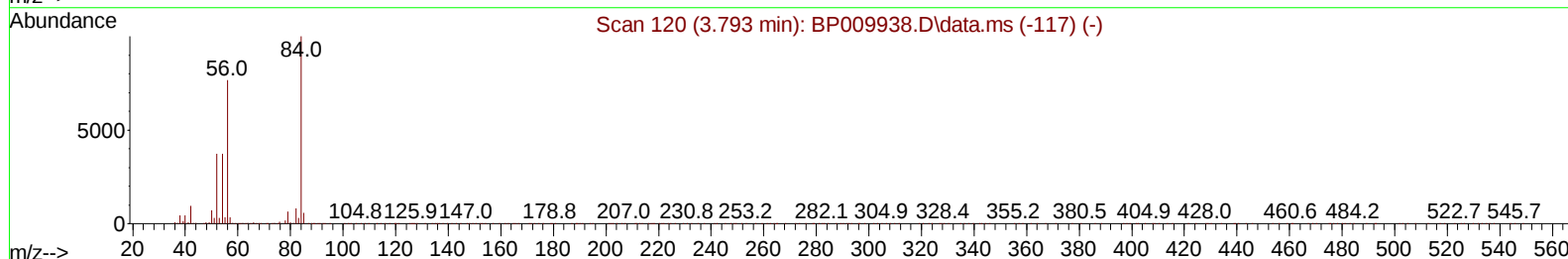
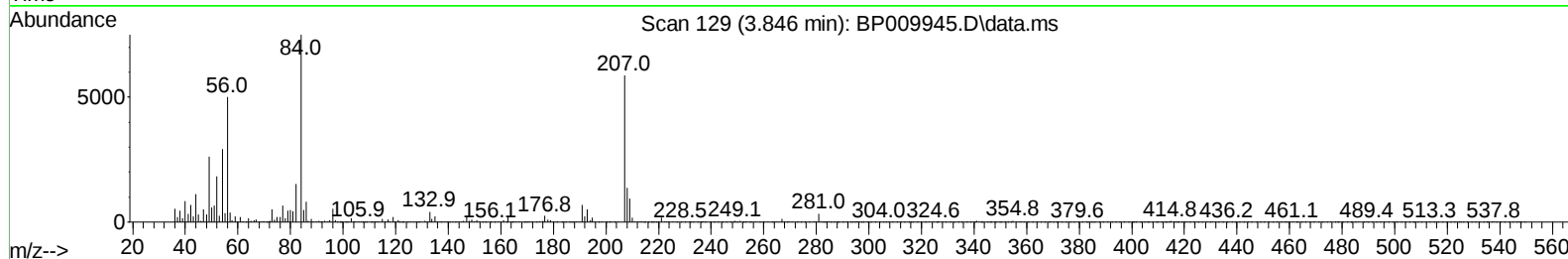
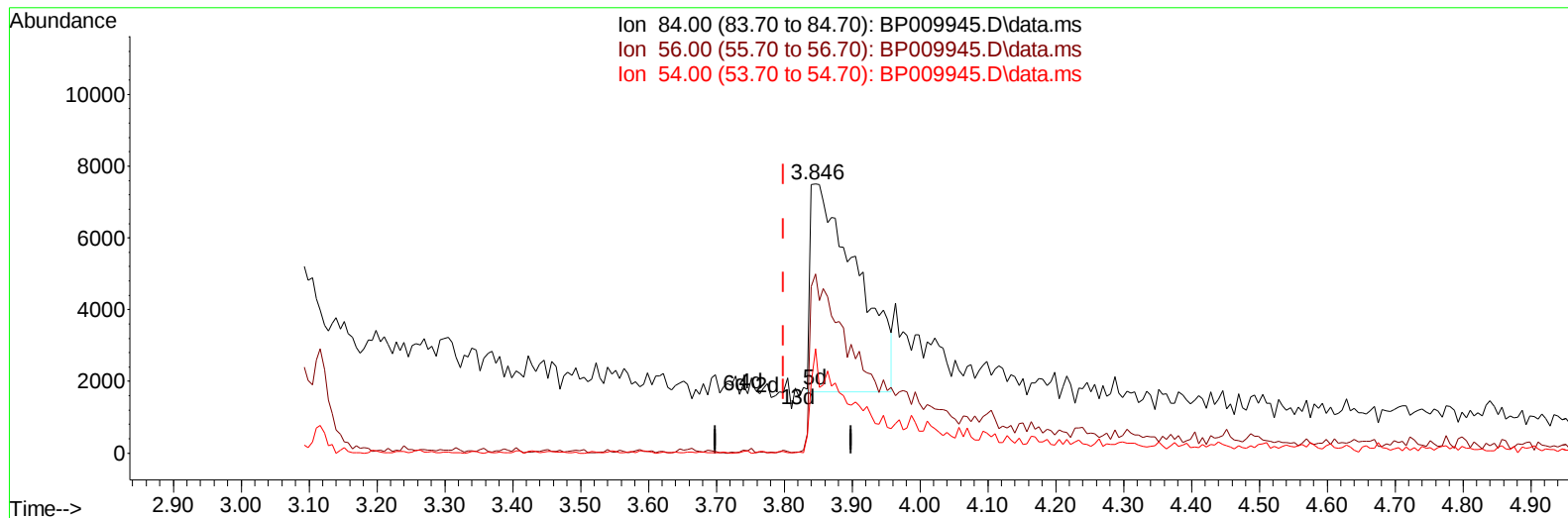
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
Data File : BP009945.D  
Acq On : 19 Apr 2022 08:25  
Operator : CG/JU  
Sample : N2421-15  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 20 00:57:41 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Apr 18 00:59:30 2022  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
Supervised By :Yogesh Patel 04/22/2022



TIC: BP009945.D\data.ms

(4) Pyridine-d5 (S)

3.846min (+ 0.047) 3.72 ng/u1 m

response 27535

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 56.00 | 30.50  | 66.64# |
| 54.00 | 24.80  | 38.89# |
| 0.00  | 0.00   | 0.00   |

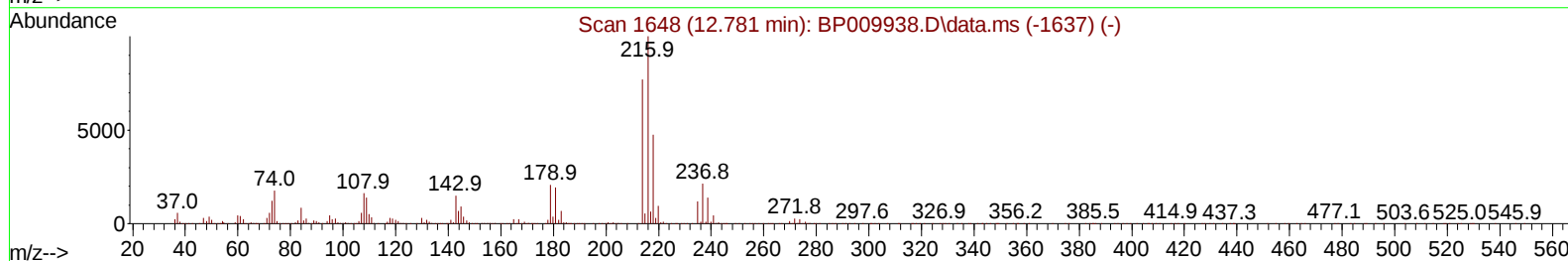
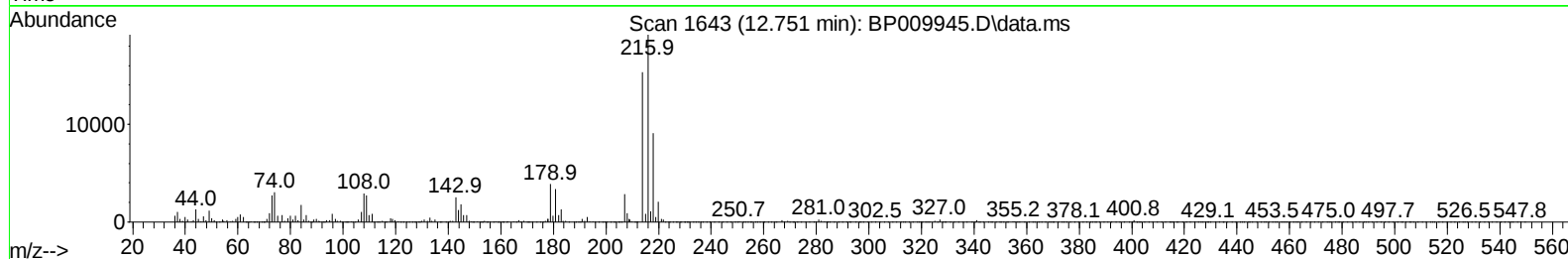
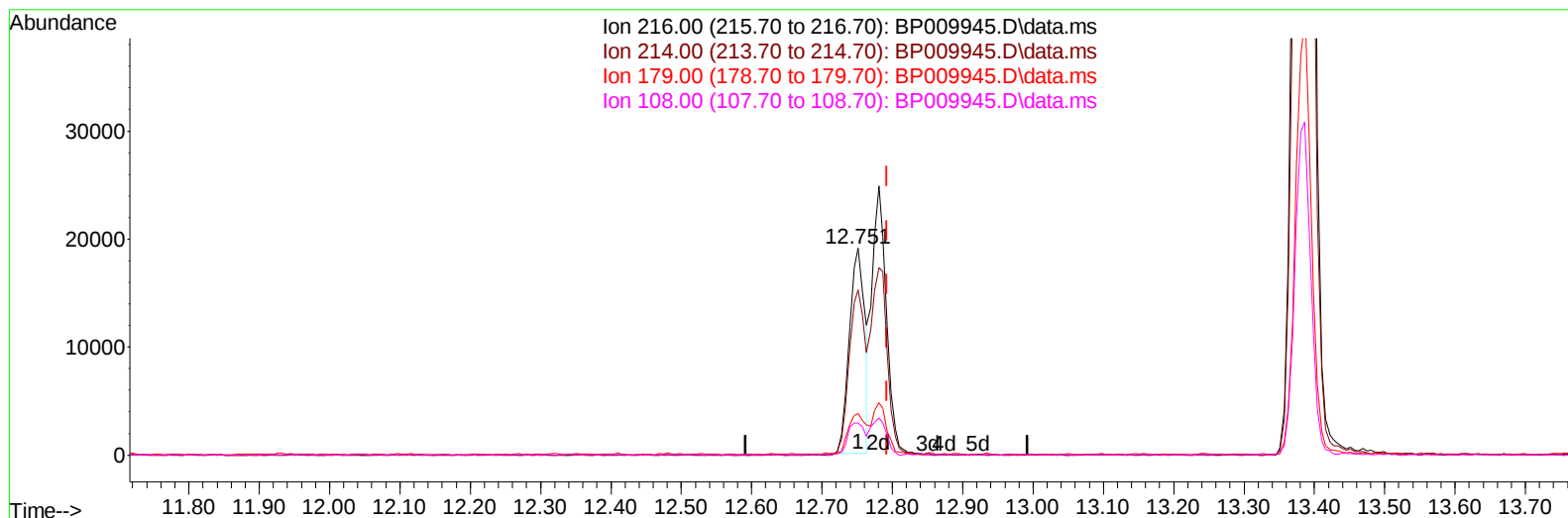
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
 Data File : BP009945.D  
 Acq On : 19 Apr 2022 08:25  
 Operator : CG/JU  
 Sample : N2421-15  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 20 00:57:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 18 00:59:30 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
 Supervised By :Yogesh Patel 04/22/2022



TIC: BP009945.D\data.ms

**(39) 1,2,4,5-Tetrachlorobenzene**

12.751min (-0.041) 2.44 ng/ul

response 28946

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 216.00 | 100.00 | 100.00 |
| 214.00 | 72.70  | 79.96  |
| 179.00 | 17.70  | 20.19  |
| 108.00 | 19.10  | 15.39  |

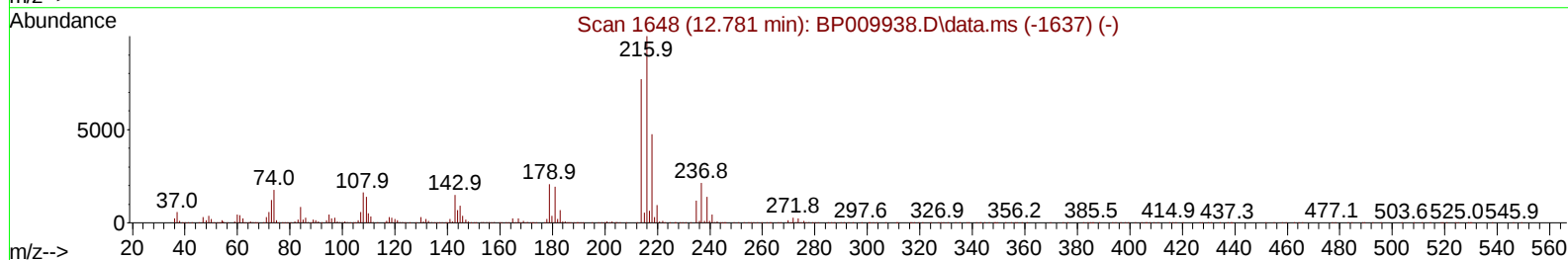
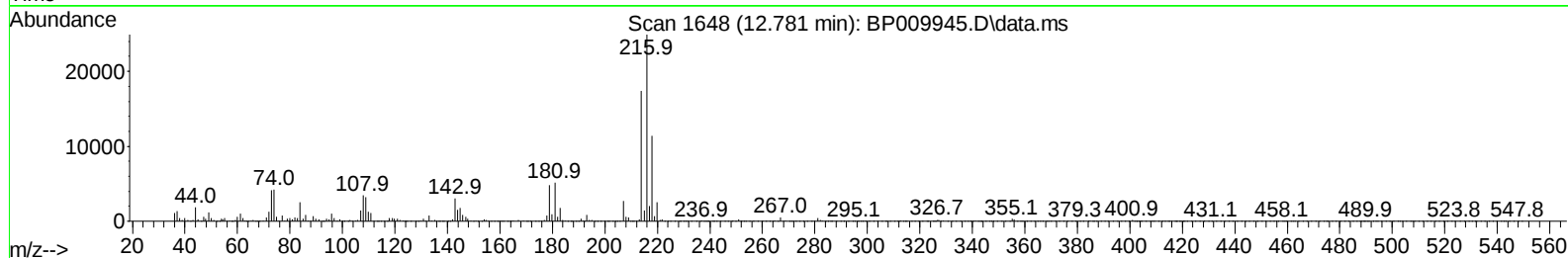
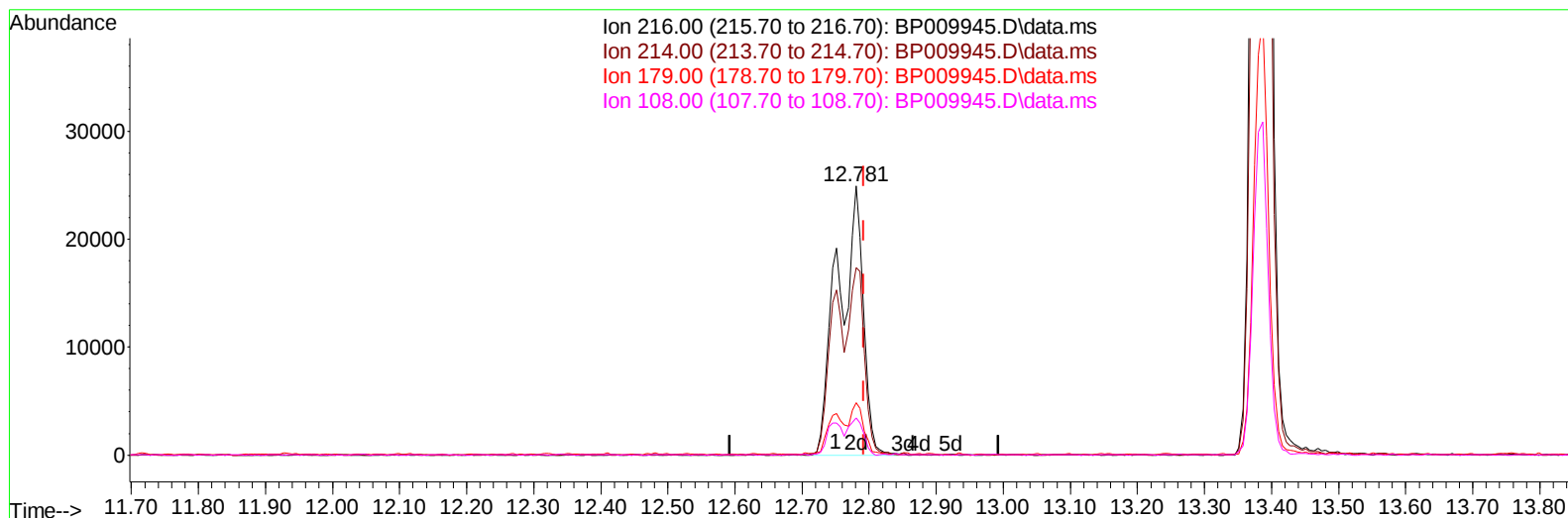
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
Data File : BP009945.D  
Acq On : 19 Apr 2022 08:25  
Operator : CG/JU  
Sample : N2421-15  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0J63

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 04/20/2022  
Supervised By :Yogesh Patel 04/22/2022

Quant Time: Apr 20 00:57:41 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Apr 18 00:59:30 2022  
Response via : Initial Calibration



TIC: BP009945.D\data.ms

## (39) 1,2,4,5-Tetrachlorobenzene

12.781min (-0.012) 5.49 ng/ul m

response 65111

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 216.00 | 100.00 | 100.00 |
| 214.00 | 72.70  | 69.74  |
| 179.00 | 17.70  | 19.46  |
| 108.00 | 19.10  | 13.77# |





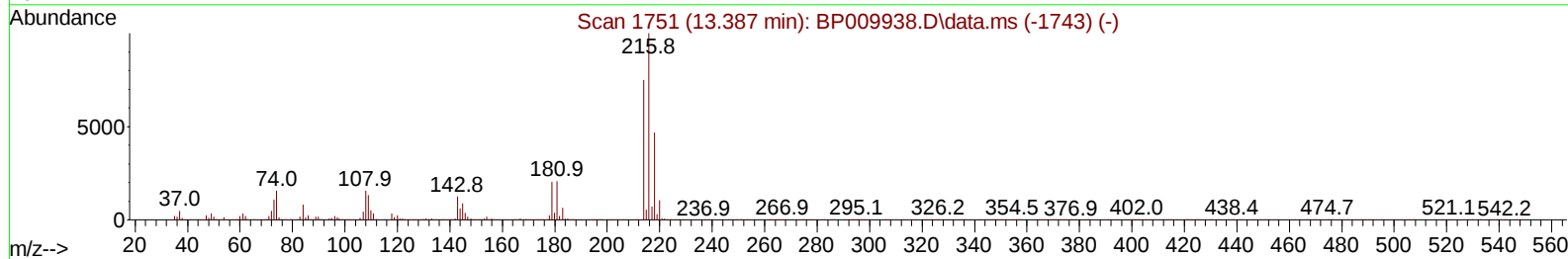
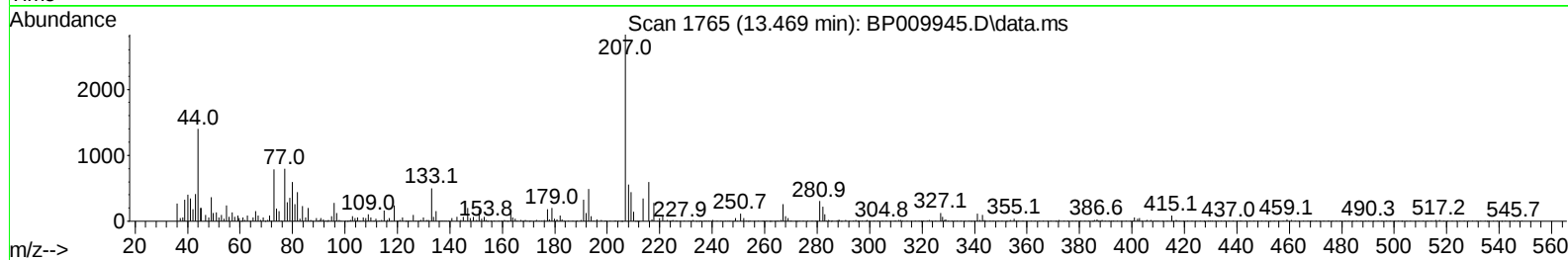
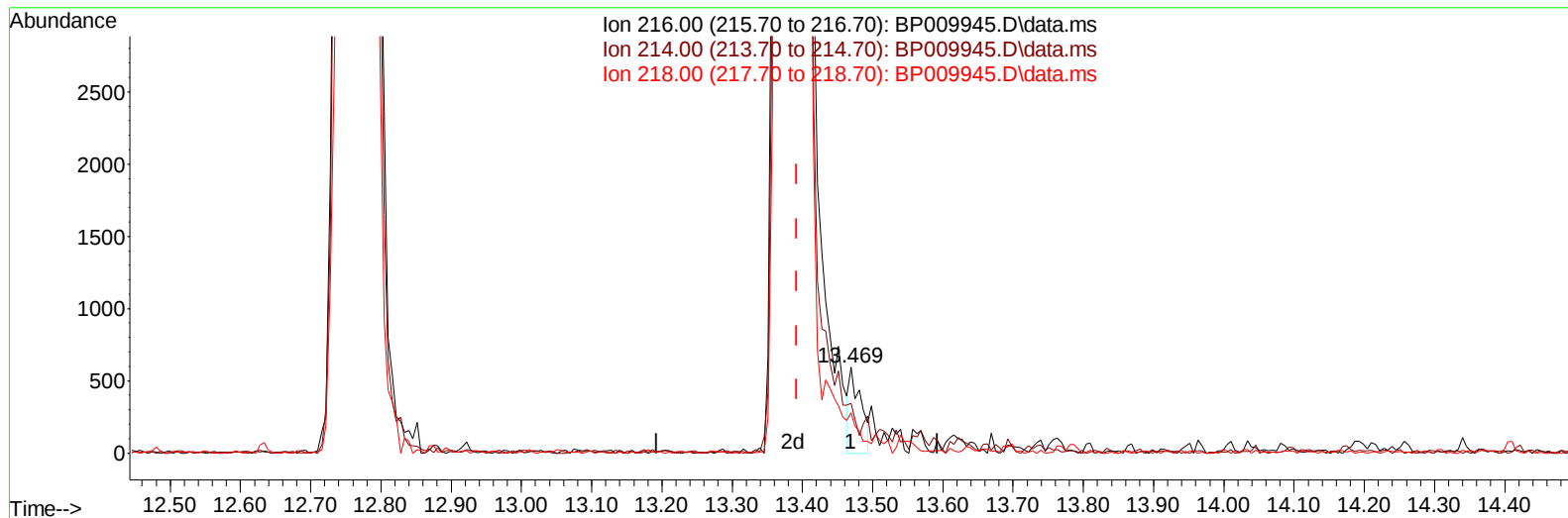
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
 Data File : BP009945.D  
 Acq On : 19 Apr 2022 08:25  
 Operator : CG/JU  
 Sample : N2421-15  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 20 00:57:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 18 00:59:30 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
 Supervised By :Yogesh Patel 04/22/2022



TIC: BP009945.D\data.ms

(75) 1,2,3,4-Tetrachlorobenzene

13.469min (+ 0.076) 0.06 ng/uL

response 676

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 216.00 | 100.00 | 100.00 |
| 214.00 | 63.00  | 57.89  |
| 218.00 | 44.00  | 47.15  |
| 0.00   | 0.00   | 0.00   |

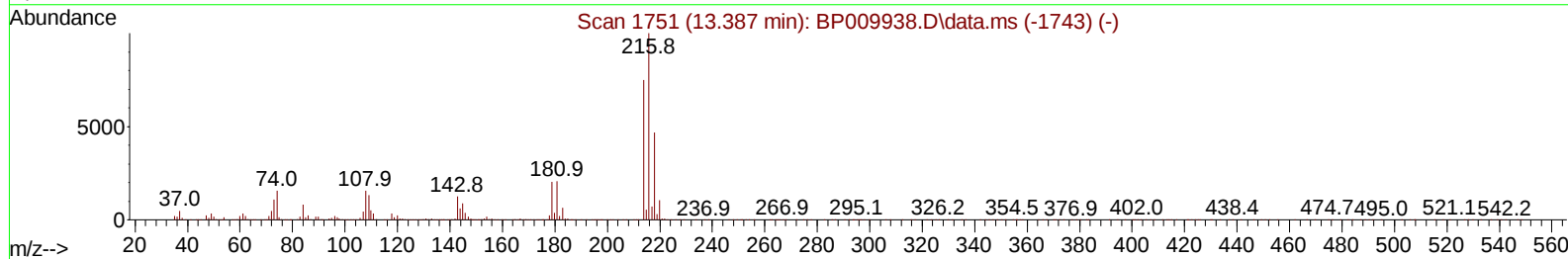
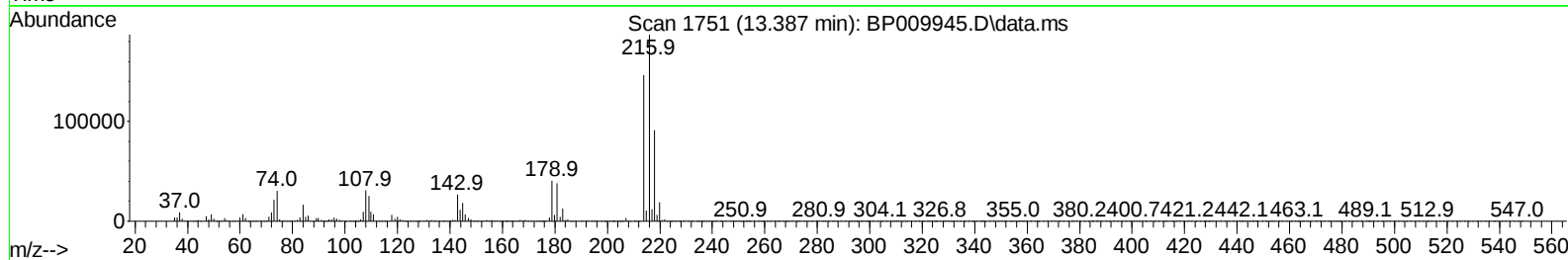
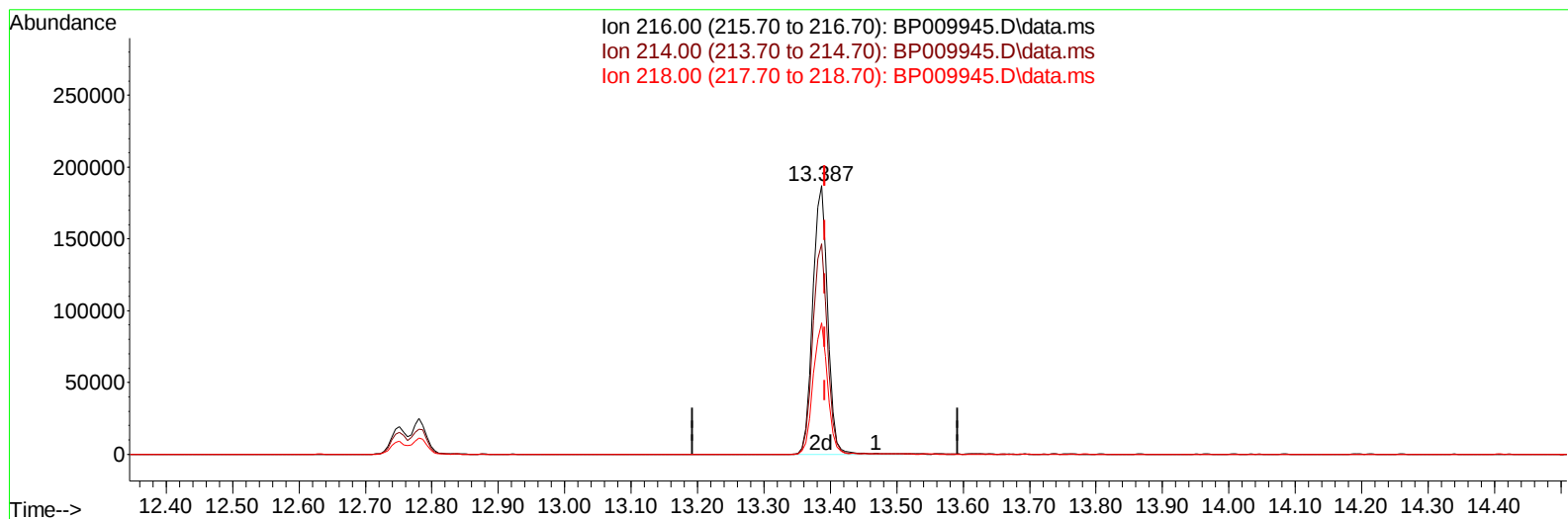
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
 Data File : BP009945.D  
 Acq On : 19 Apr 2022 08:25  
 Operator : CG/JU  
 Sample : N2421-15  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0J63

Manual IntegrationsAPPROVED

Quant Time: Apr 20 00:57:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 18 00:59:30 2022  
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 04/20/2022  
 Supervised By :Yogesh Patel 04/22/2022



TIC: BP009945.D\data.ms

(75) 1,2,3,4-Tetrachlorobenzene

13.387min (-0.006) 25.20 ng/uL m

response 289459

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 216.00 | 100.00 | 100.00 |
| 214.00 | 63.00  | 78.30# |
| 218.00 | 44.00  | 48.84  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
 Data File : BP009945.D  
 Acq On : 19 Apr 2022 08:25  
 Operator : CG/JU  
 Sample : N2421-15  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0J63

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 04/20/2022  
 Supervised By :Yogesh Patel 04/22/2022

Quant Time: Apr 20 00:57:41 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Apr 18 00:59:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 119729   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.757 | 136  | 544750   | 20.000 | ng/ul  | -0.01    |
| 38) Acenaphthene-d10          | 14.581 | 164  | 387716   | 20.000 | ng/ul  | -0.01    |
| 64) Phenanthrene-d10          | 17.333 | 188  | 794398   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.416 | 240  | 632713   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 23.880 | 264  | 529605   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.375  | 96   | 12543    | 4.675  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 27535m   | 3.723  | ng/ul  | 0.05     |
| 7) Phenol-d5                  | 7.105  | 99   | 59432    | 5.654  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.275  | 67   | 214645   | 34.300 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.481  | 132  | 194061   | 24.475 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.652  | 113  | 122094   | 13.914 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 134367   | 34.204 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.834  | 143  | 92920    | 21.575 | ng/ul  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.375 | 165  | 240388   | 26.673 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.893 | 131  | 213489   | 16.632 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.987 | 166  | 1045058  | 34.314 | ng/ul  | -0.01    |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 1110461  | 30.777 | ng/ul  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 11245m   | 2.036  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.575 | 176  | 875748   | 34.182 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.686 | 200  | 56158    | 11.933 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.433 | 188  | 1393335  | 36.633 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.663 | 212  | 1770602  | 51.239 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.715 | 264  | 1026497  | 37.219 | ng/ul  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216  | 65111m   | 5.489  | ng/ul  |          |
| 75) 1,2,3,4-Tetrachloroben... | 13.387 | 216  | 289459m  | 25.203 | ng/uL  |          |
| 76) Pentachlorobenzene        | 14.904 | 250  | 43372    | 3.874  | ng/uL# | 87       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP041822\  
Data File : BP009945.D  
Acq On : 19 Apr 2022 08:25  
Operator : CG/JU  
Sample : N2421-15  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0J63

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 04/20/2022  
Supervised By :Yogesh Patel 04/22/2022

Quant Time: Apr 20 00:57:41 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP040722.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Apr 18 00:59:30 2022  
Response via : Initial Calibration

