

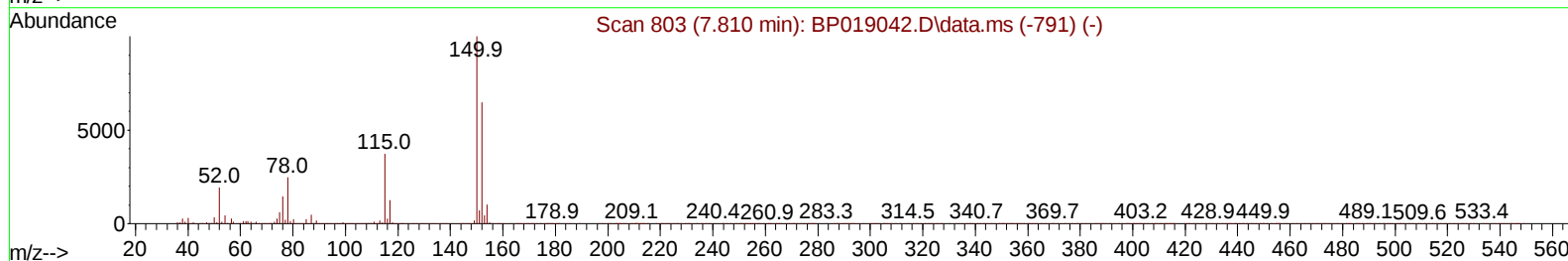
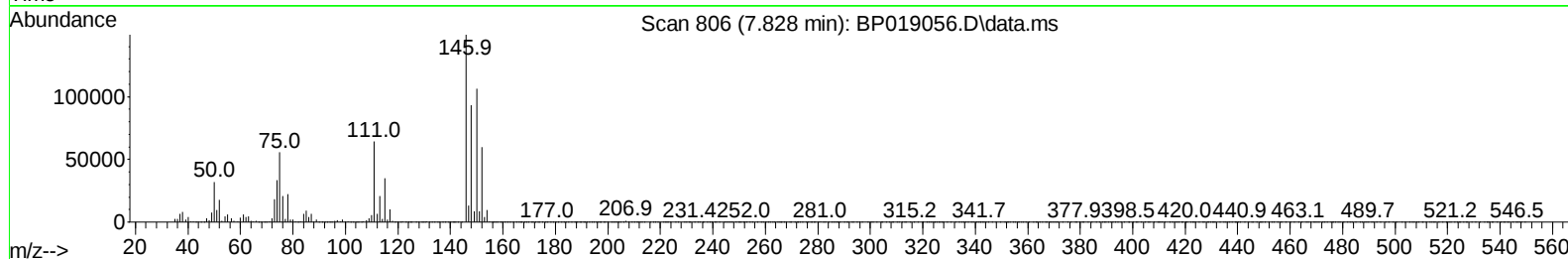
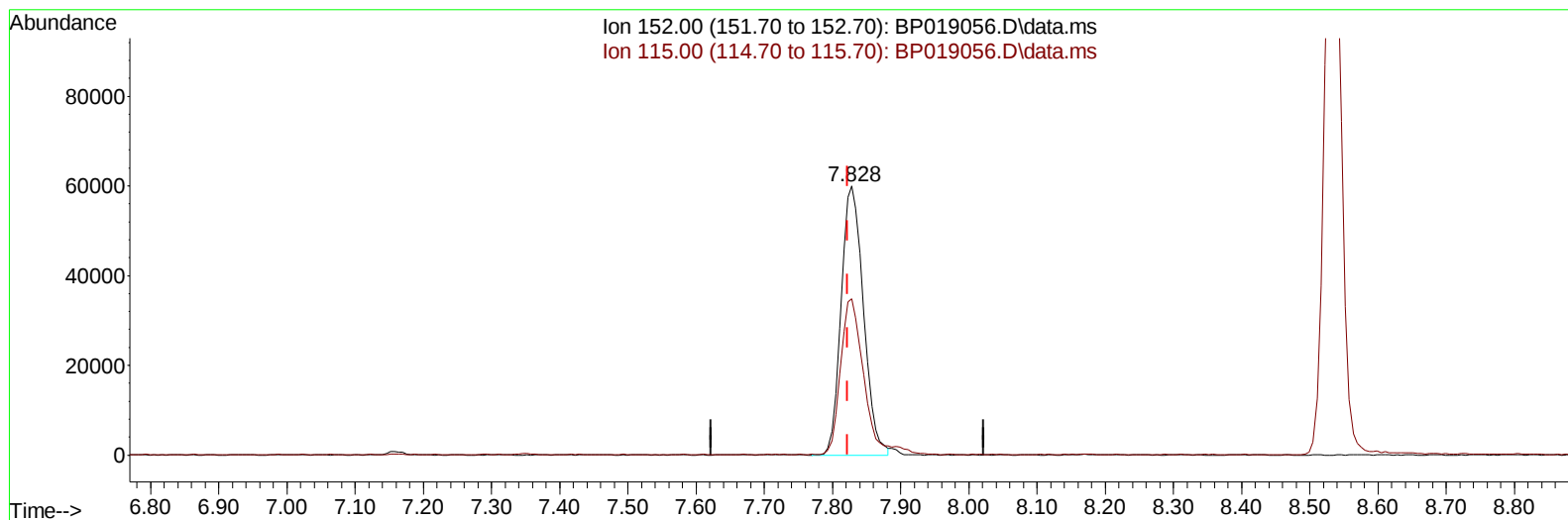
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:51:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.828min (+ 0.006) 20.00 ng/u1

response 136761

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 115.00 | 59.50  | 58.13  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

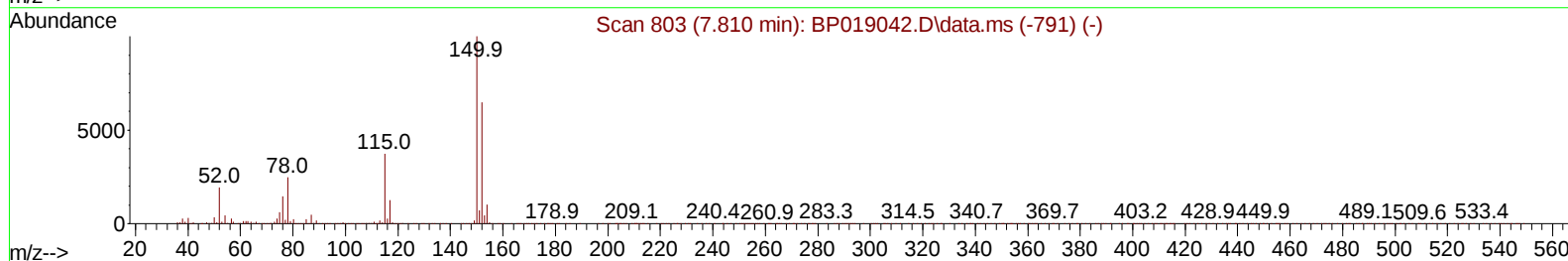
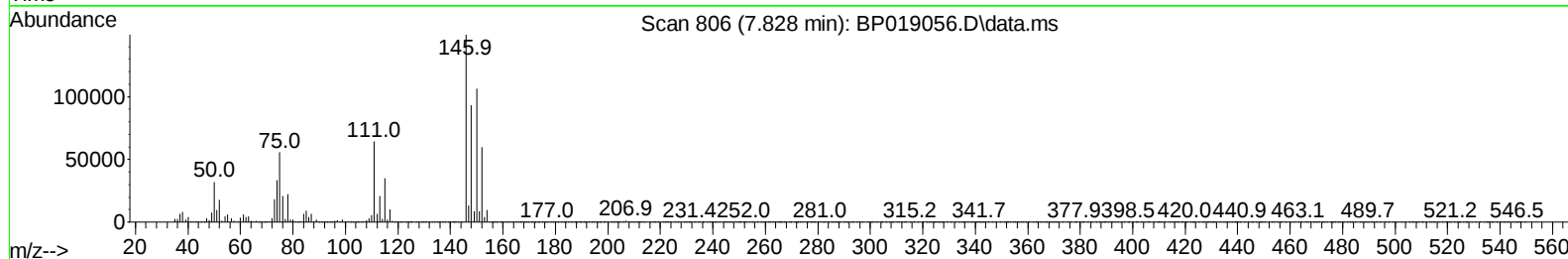
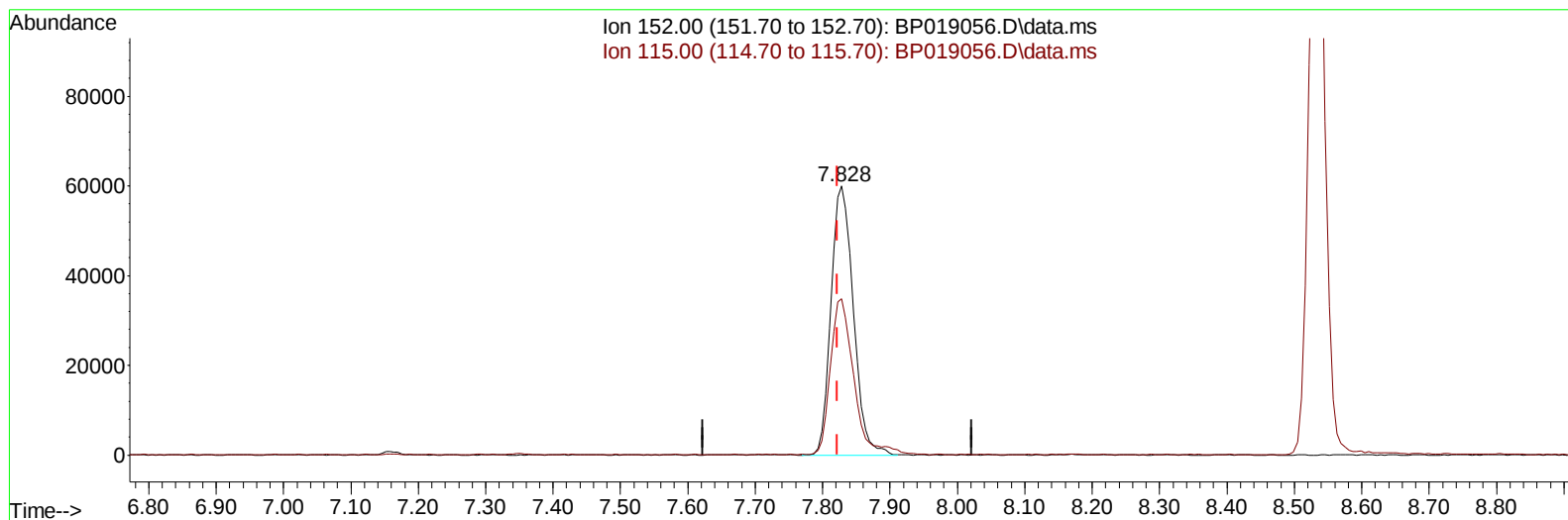
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:51:43 2023  
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 QLast Update : Thu Dec 21 04:46:12 2023  
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Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.828min (+ 0.006) 20.00 ng/ul m

response 138106

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 152.00 | 100.00 | 100.00 |
| 115.00 | 59.50  | 58.13  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

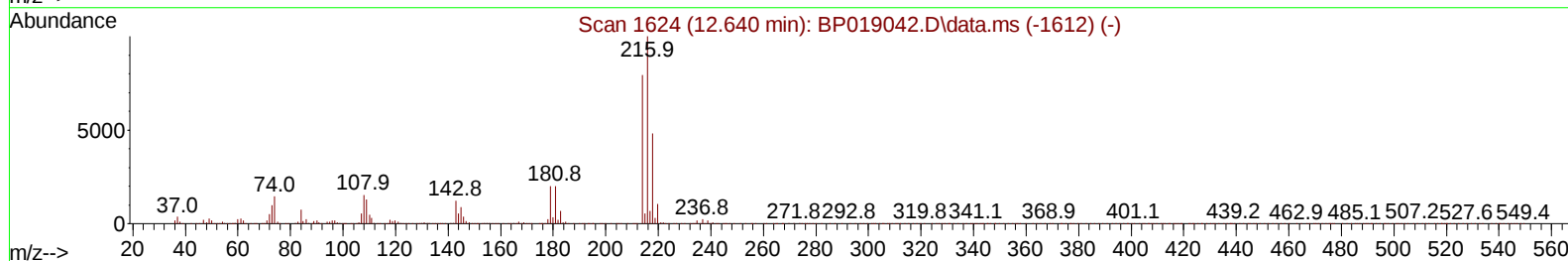
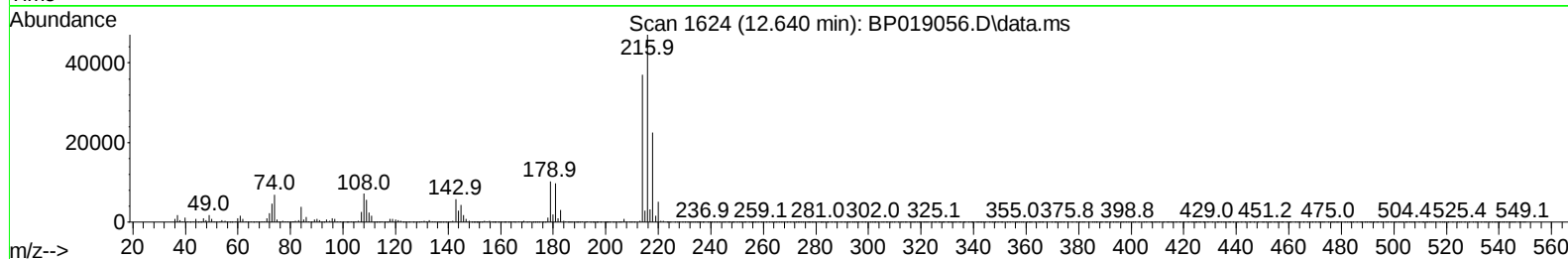
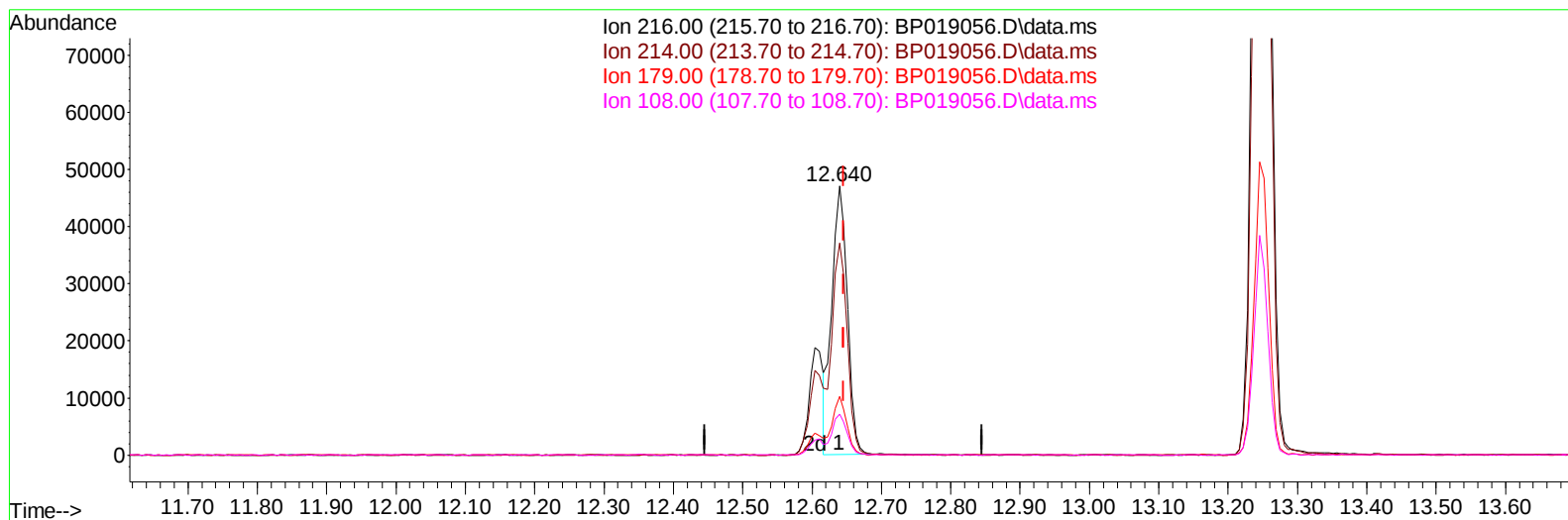
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:54:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
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 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

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

**12.640min (-0.006) 6.16 ng/u1**

**response 73128**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 216.00 | 100.00 | 100.00 |
| 214.00 | 79.90  | 78.80  |
| 179.00 | 20.40  | 21.85  |
| 108.00 | 15.80  | 15.19  |

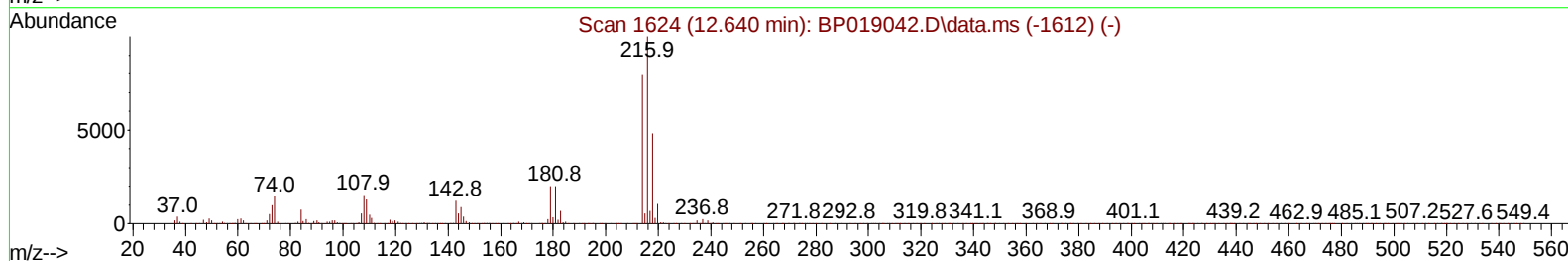
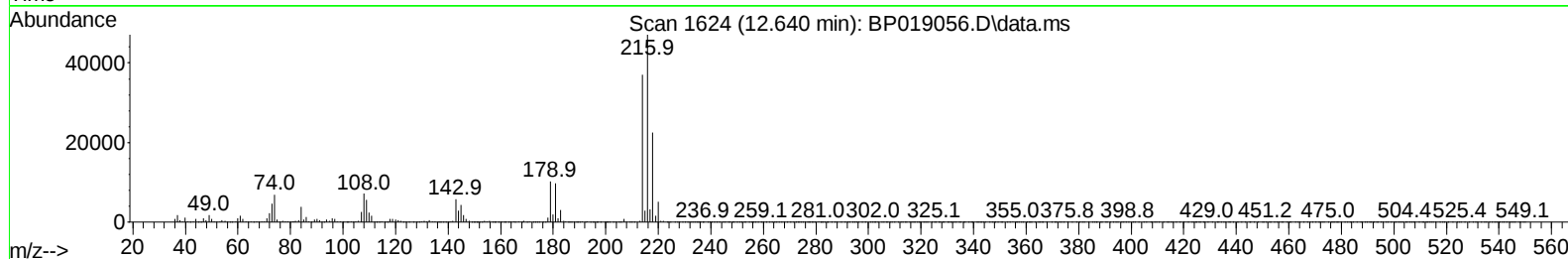
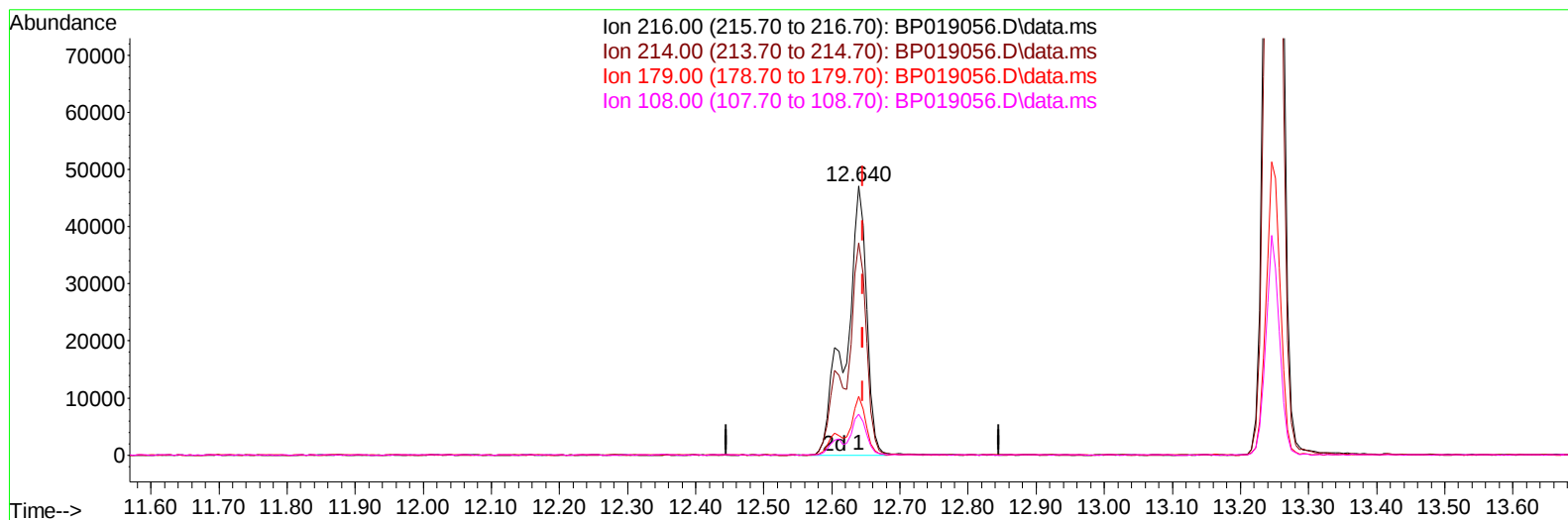
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:54:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
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Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

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

12.640min (-0.006) 8.43 ng/ul m

response 100099

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 216.00 | 100.00 | 100.00 |
| 214.00 | 79.90  | 78.80  |
| 179.00 | 20.40  | 21.85  |
| 108.00 | 15.80  | 15.19  |

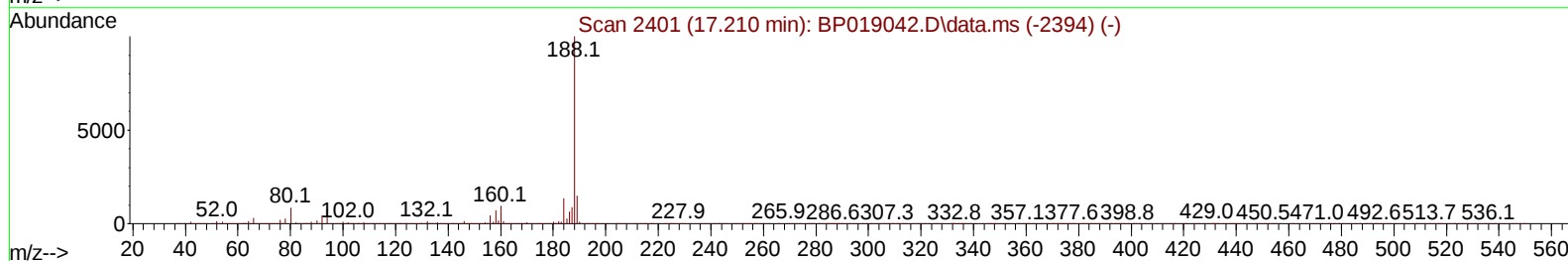
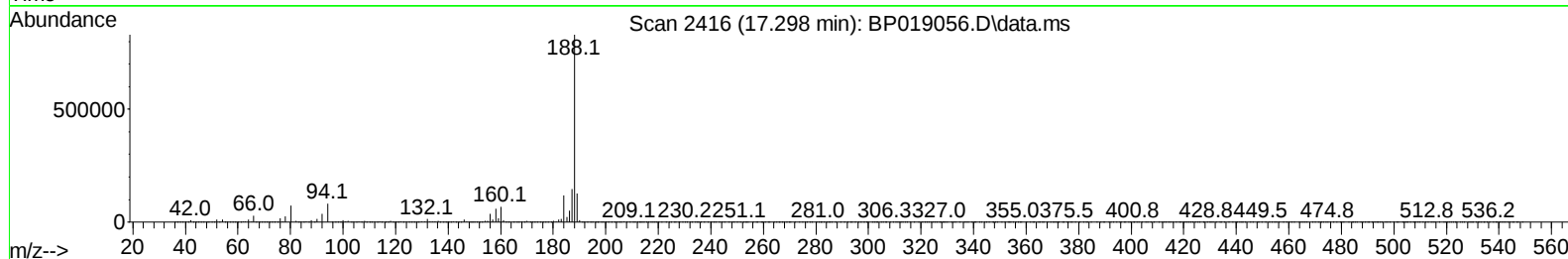
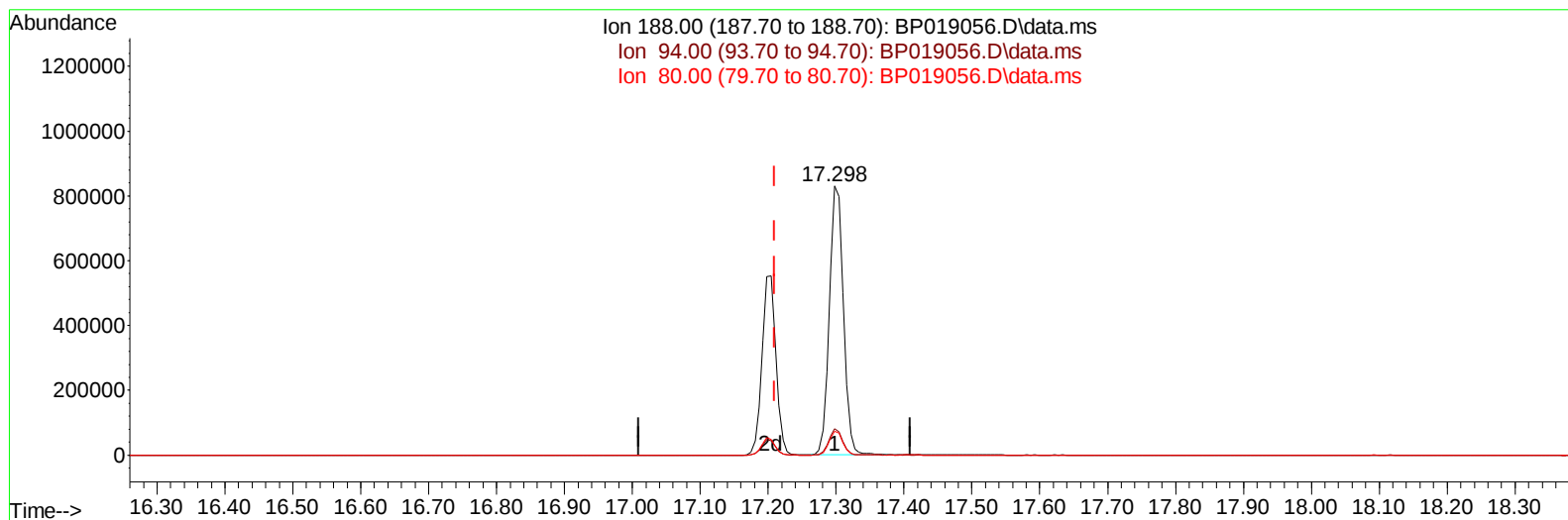
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:54:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

**(64) Phenanthrene-d10 (I)**

**17.298min (+ 0.088) 20.00 ng/u1**

**response 1193643**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 10.10  | 9.86   |
| 80.00  | 10.70  | 8.86   |
| 0.00   | 0.00   | 0.00   |

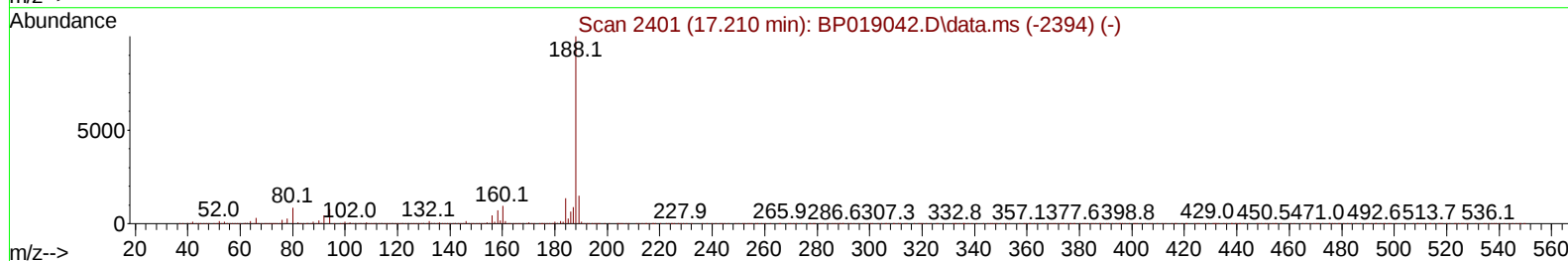
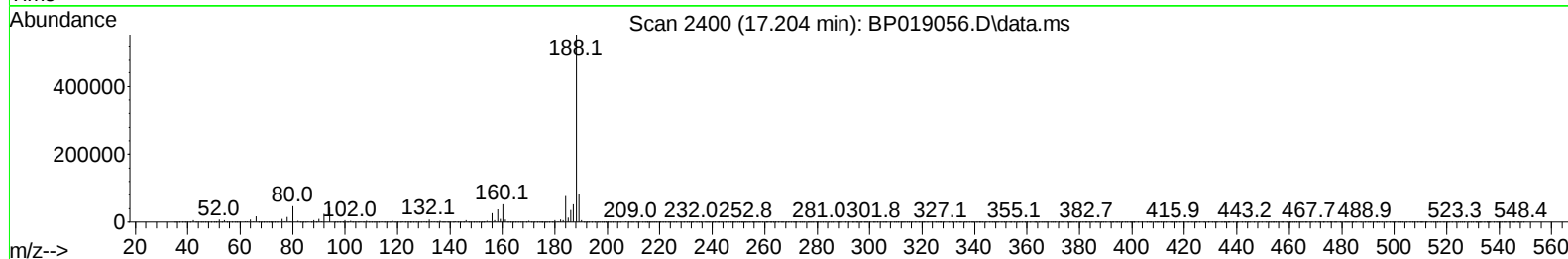
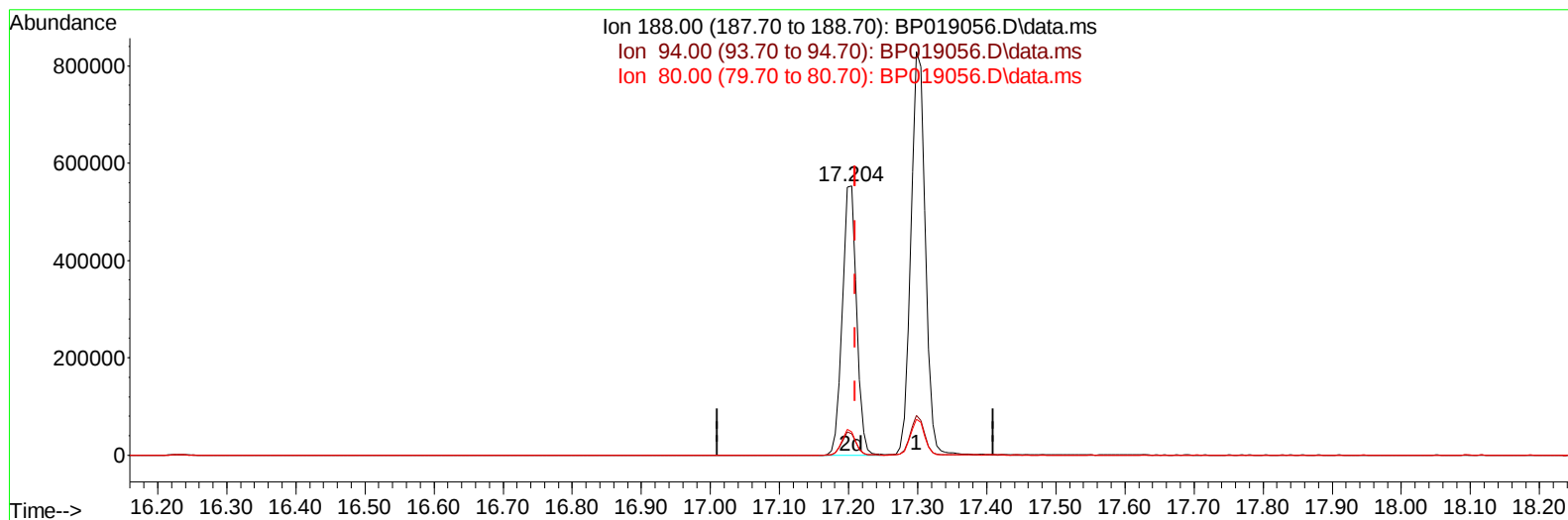
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:54:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

**(64) Phenanthrene-d10 (I)**

17.204min (-0.006) 20.00 ng/ul m

response 790100

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 10.10  | 7.89#  |
| 80.00  | 10.70  | 8.62   |
| 0.00   | 0.00   | 0.00   |

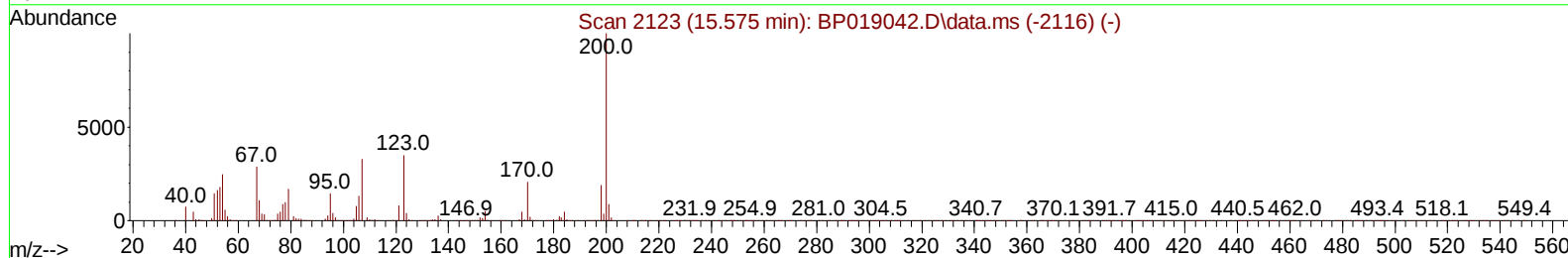
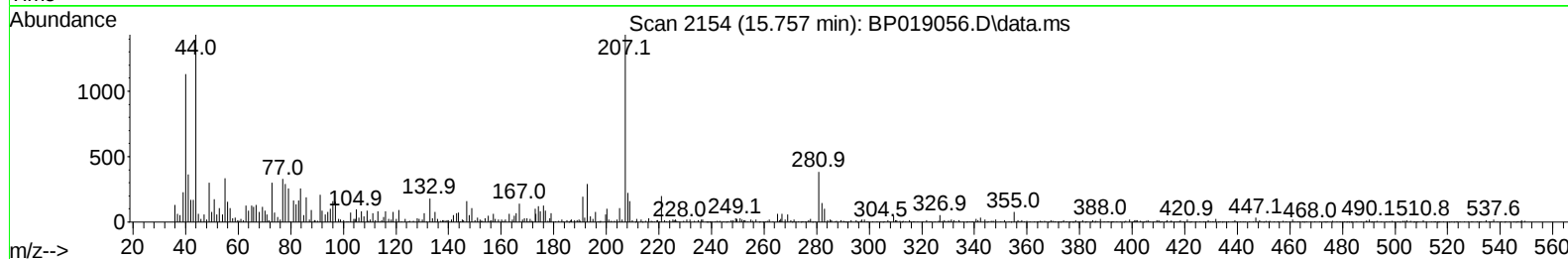
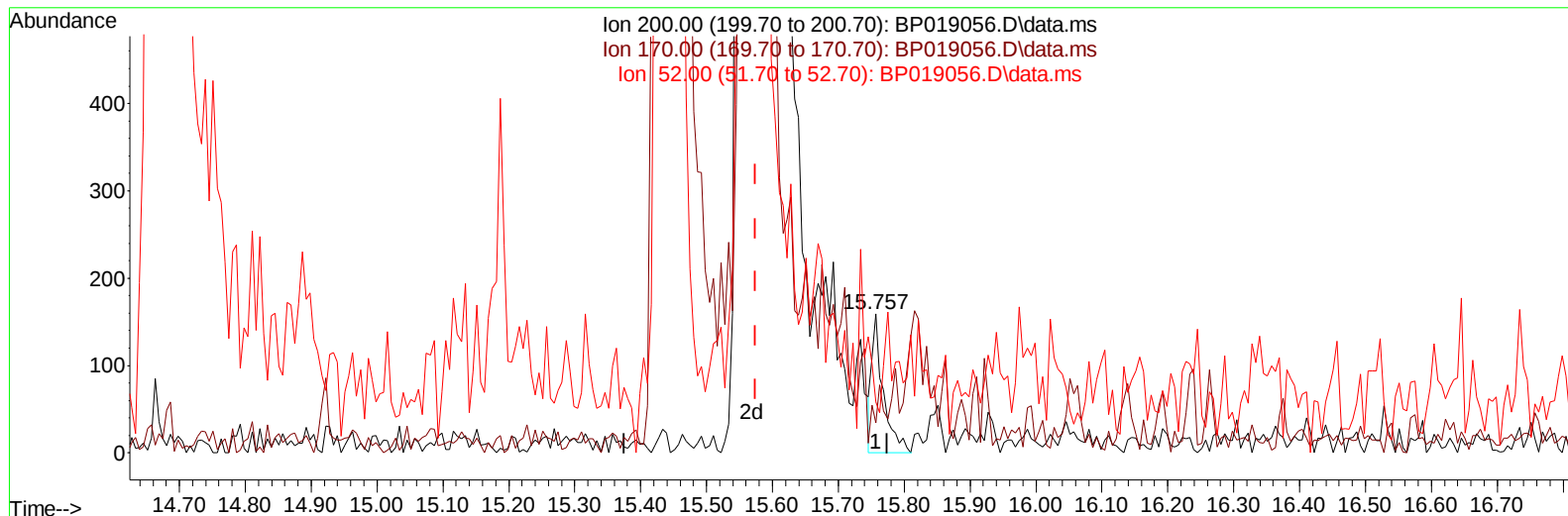
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:55:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

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

15.757min (+ 0.182) 0.04 ng/ul

|            |             |             |
|------------|-------------|-------------|
| response   | 193         |             |
|            |             |             |
| <b>Ion</b> | <b>Exp%</b> | <b>Act%</b> |
| 200.00     | 100.00      | 100.00      |
| 170.00     | 21.50       | 21.38       |
| 52.00      | 36.60       | 36.48       |
| 0.00       | 0.00        | 0.00        |

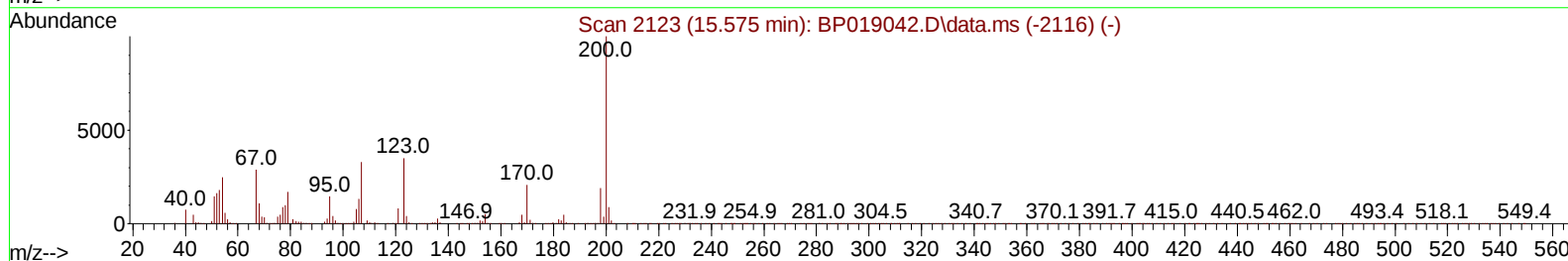
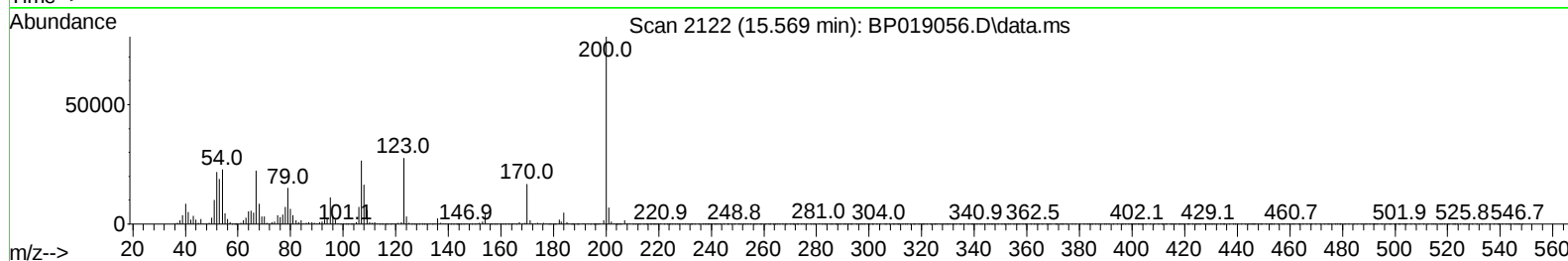
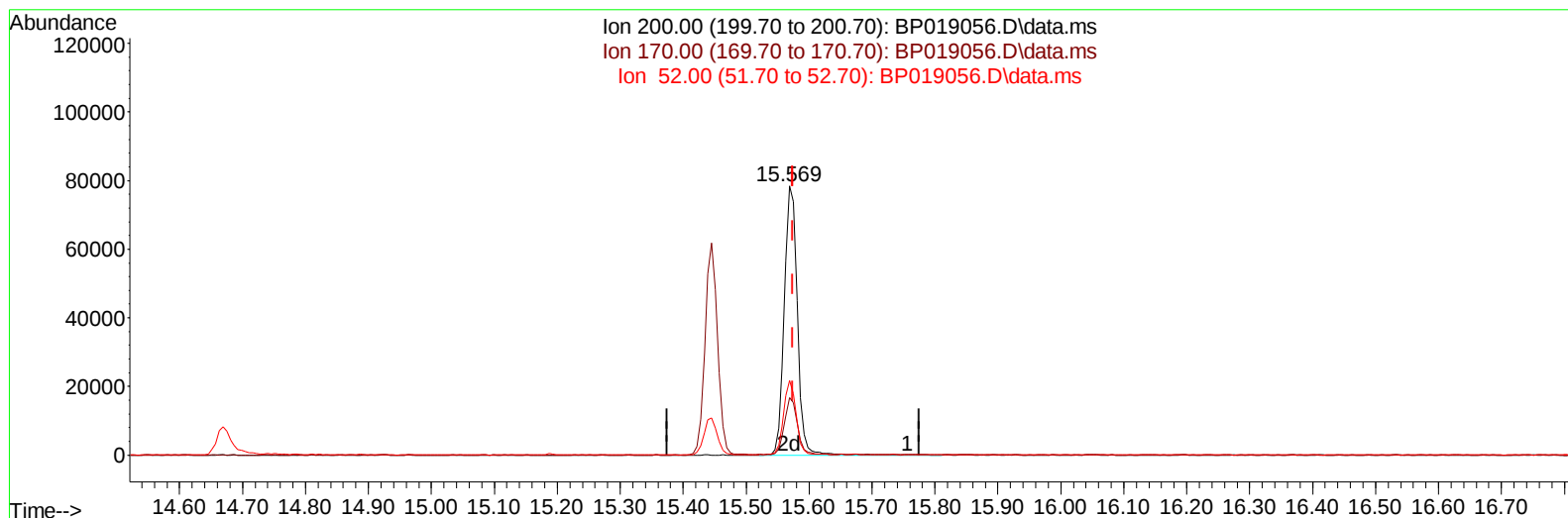
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
 Data File : BP019056.D  
 Acq On : 23 Dec 2023 00:33  
 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Quant Time: Dec 23 01:55:53 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 21 04:46:12 2023  
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Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023



TIC: BP019056.D\data.ms

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

15.569min (-0.006) 23.95 ng/ul m

response 113445

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 21.50  | 21.37  |
| 52.00  | 36.60  | 27.84# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP122123\  
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 Operator : MA/JU  
 Sample : 05835-18  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AR8

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2023  
 Supervised By :mohammad ahmed 12/25/2023

Quant Time: Dec 23 01:56:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP120123.MA.M  
 Quant Title : SVOA CALIBRATION  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.828  | 152  | 138106m  | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.610 | 136  | 506085   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.451 | 164  | 327140   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.204 | 188  | 790100m  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.292 | 240  | 891546   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 23.651 | 264  | 1028986  | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 20317    | 5.013  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.670  | 84   | 262726   | 24.202 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.993  | 99   | 350109   | 25.261 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.158  | 67   | 204898   | 24.944 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.352  | 132  | 283968   | 26.258 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.534  | 113  | 261702   | 23.332 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.981  | 128  | 125547   | 27.873 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.699  | 143  | 140716   | 30.132 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.240 | 165  | 267669   | 28.031 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.757 | 131  | 344177   | 27.579 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.869 | 166  | 790922   | 27.089 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.145 | 160  | 907159   | 28.216 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.669 | 143  | 129524   | 27.025 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.445 | 176  | 721256   | 29.429 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.569 | 200  | 113445m  | 23.946 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.298 | 188  | 1193062  | 28.723 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.539 | 212  | 1539983  | 22.190 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.498 | 264  | 1721670  | 28.696 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 7.022  | 94   | 16875    | 1.242  | ng/ul# | 92       |
| 39) 1,2,4,5-Tetrachloroben... | 12.640 | 216  | 100099m  | 8.434  | ng/ul  |          |
| 75) 1,2,3,4-Tetrachloroben... | 13.246 | 216  | 368974   | 27.008 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.769 | 250  | 44671    | 3.329  | ng/uL  | 99       |
| -----                         |        |      |          |        |        |          |

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

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Sample : 05835-18  
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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
C0AR8

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/25/2023  
Supervised By :mohammad ahmed 12/25/2023

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