

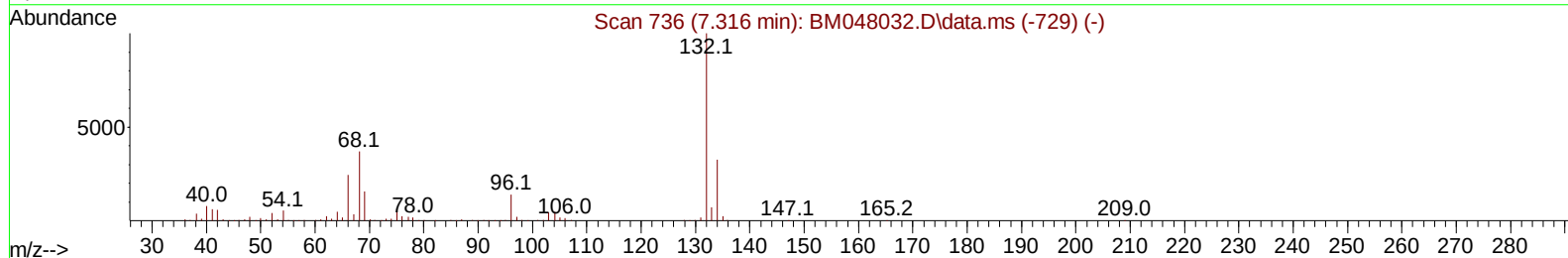
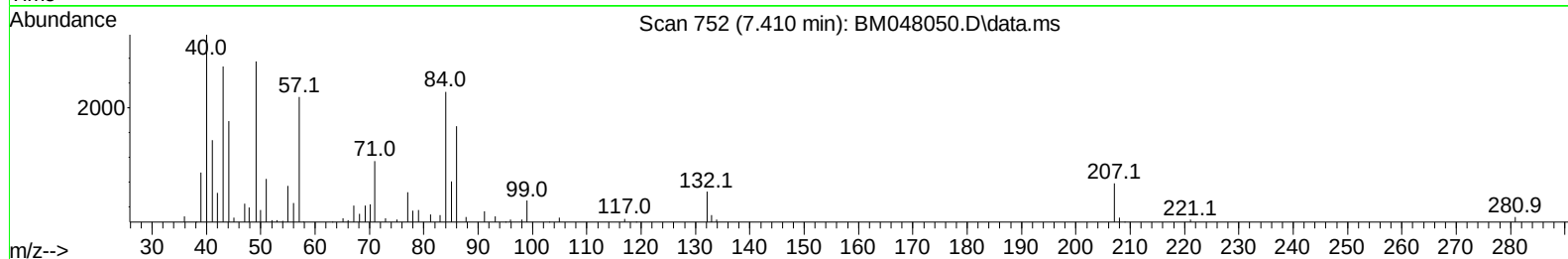
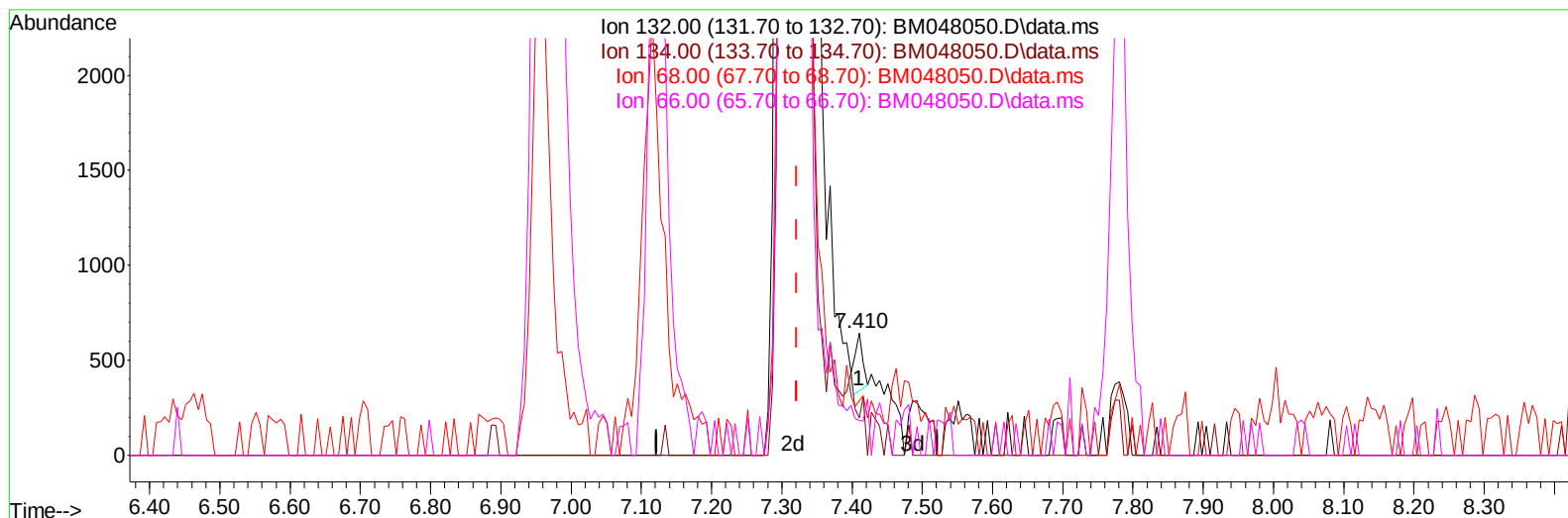
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.410min (+ 0.088) 0.01 ng/u1

response 236

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 132.00 | 100.00 | 100.00 |
| 134.00 | 31.60  | 30.12  |
| 68.00  | 49.40  | 44.57  |
| 66.00  | 34.80  | 28.42  |

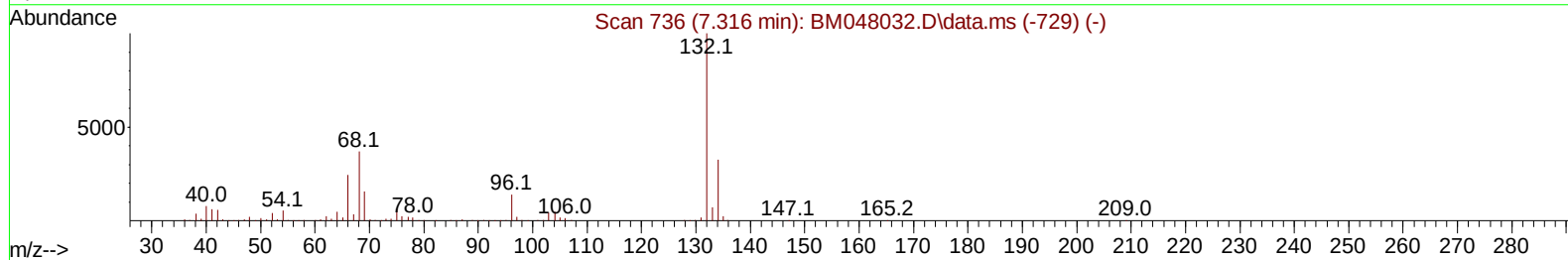
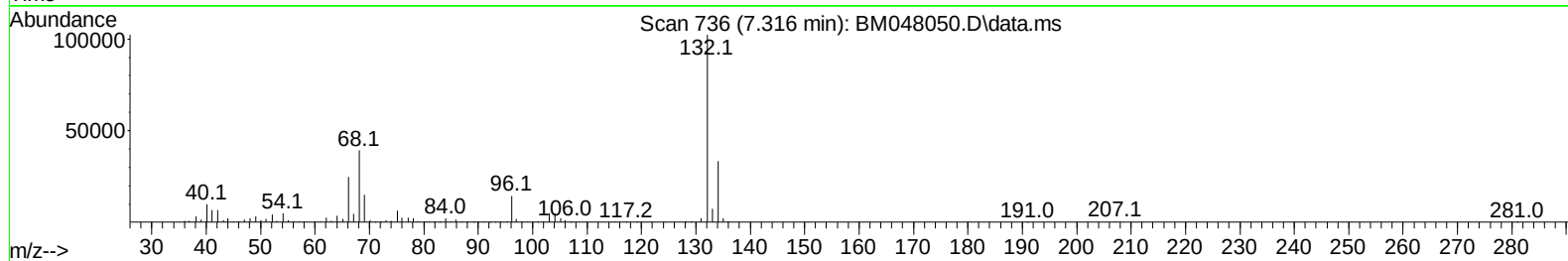
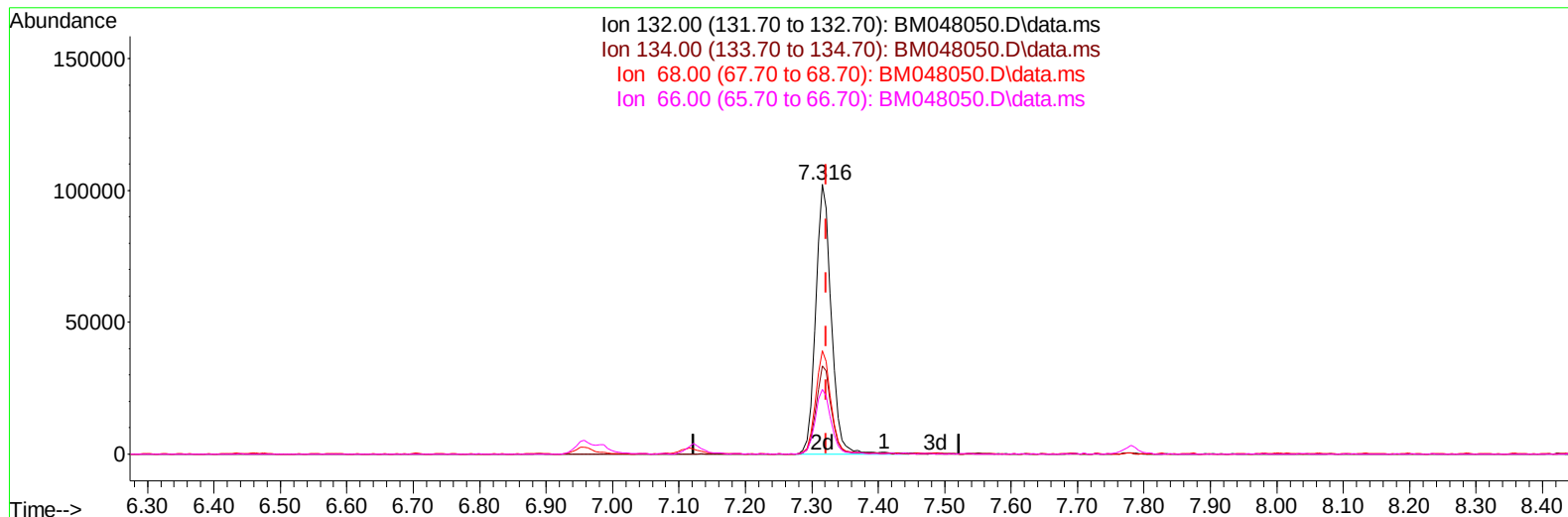
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.316min (-0.006) 7.58 ng/ul m

response 167166

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 132.00 | 100.00 | 100.00 |
| 134.00 | 31.60  | 32.57  |
| 68.00  | 49.40  | 38.32# |
| 66.00  | 34.80  | 24.05# |

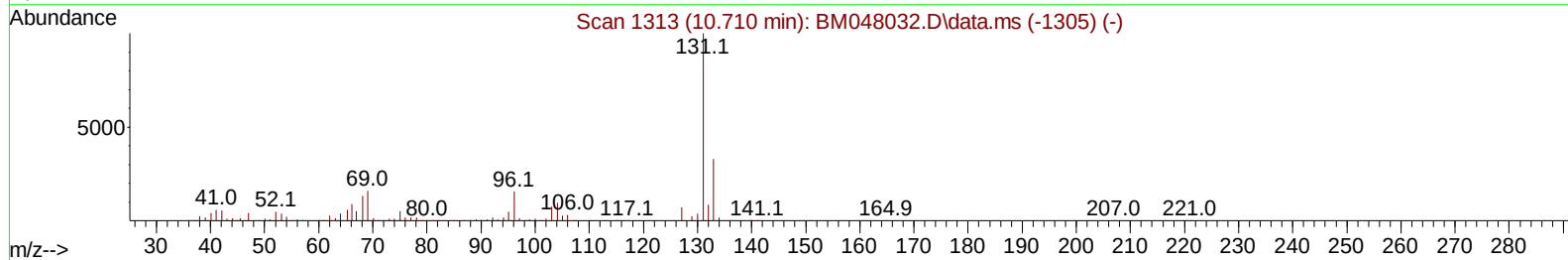
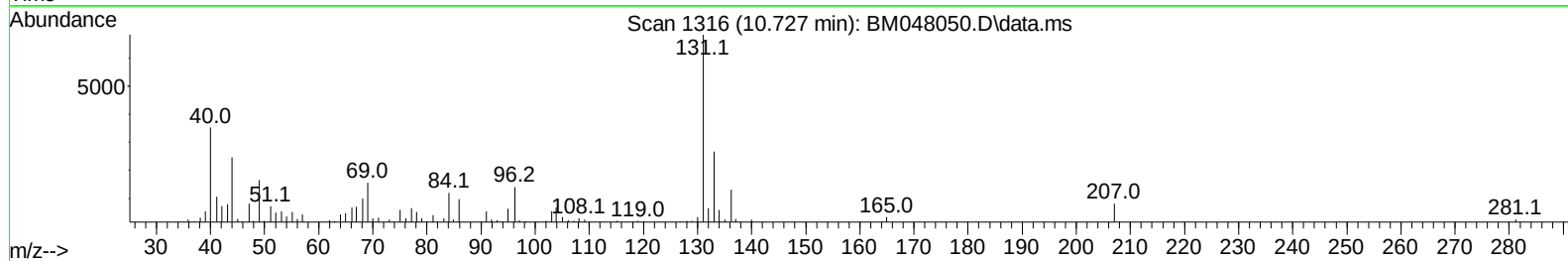
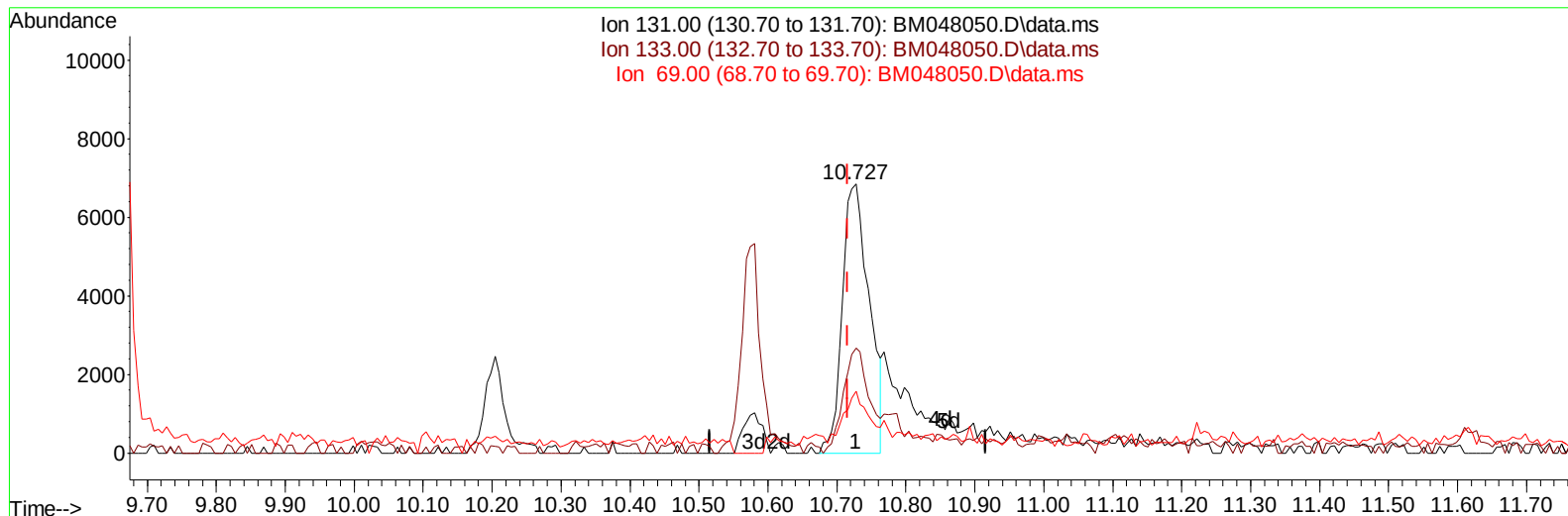
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.727min (+ 0.012) 0.61 ng/u1

response 18565

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 34.00  | 39.02  |
| 69.00  | 20.90  | 22.90  |
| 0.00   | 0.00   | 0.00   |

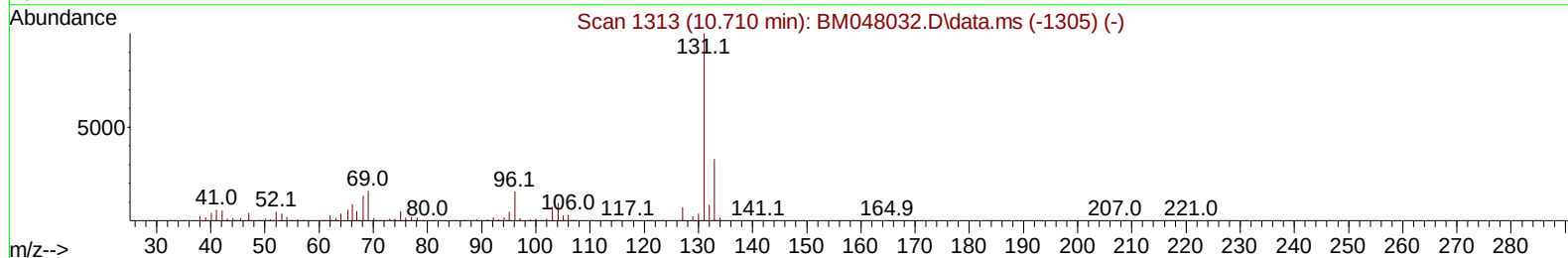
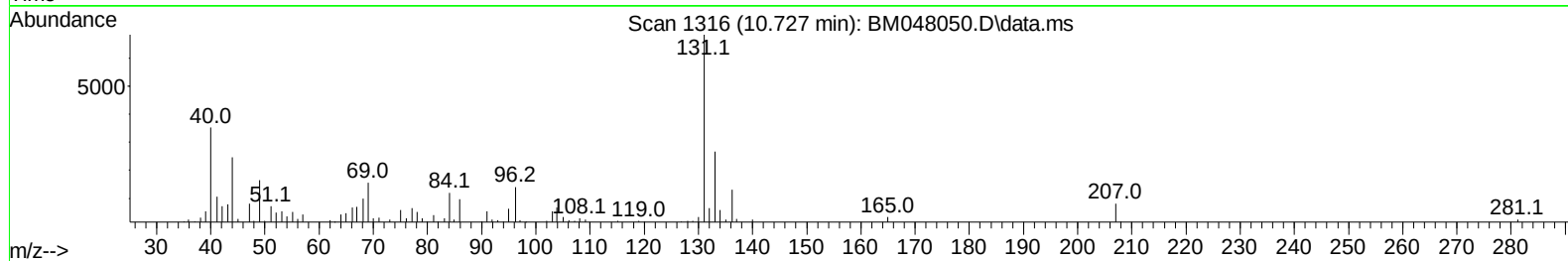
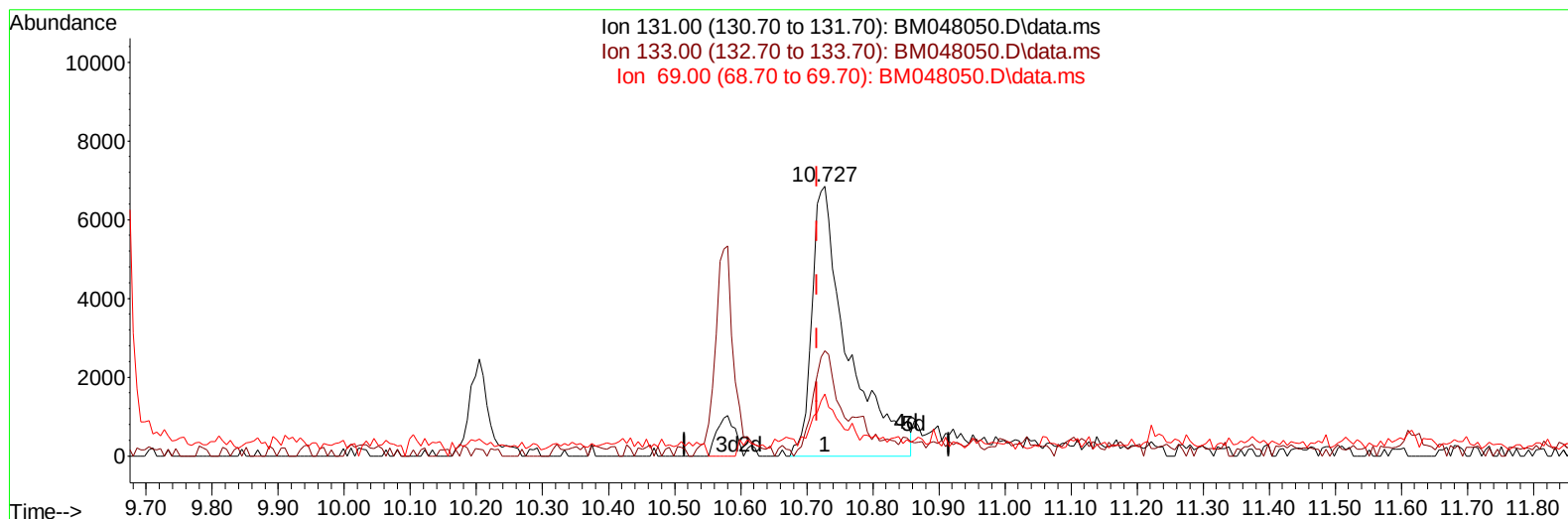
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.727min (+ 0.012) 0.85 ng/ul m

response 25826

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 34.00  | 39.02  |
| 69.00  | 20.90  | 22.90  |
| 0.00   | 0.00   | 0.00   |

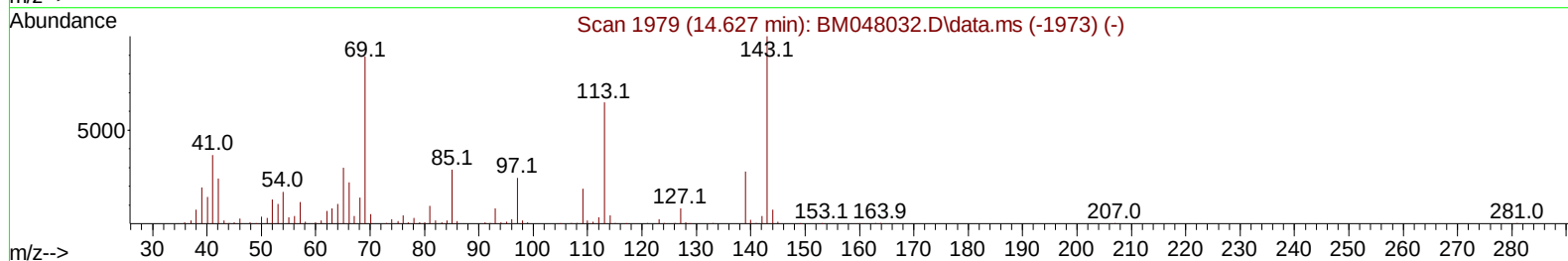
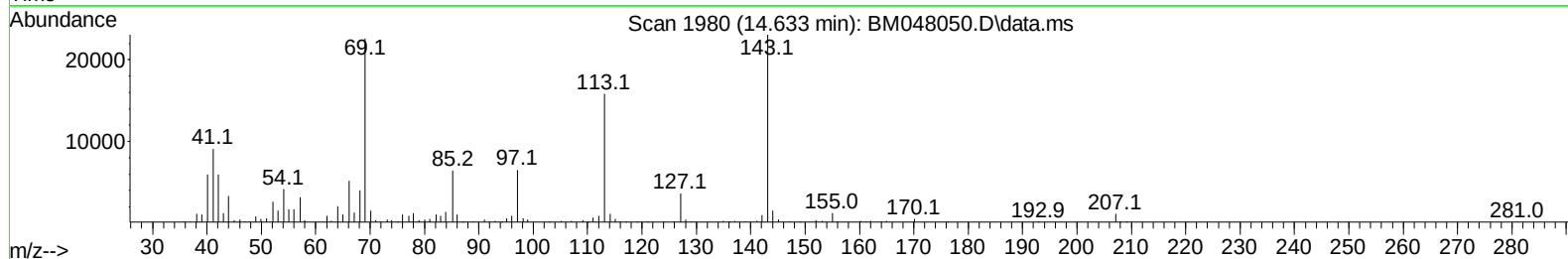
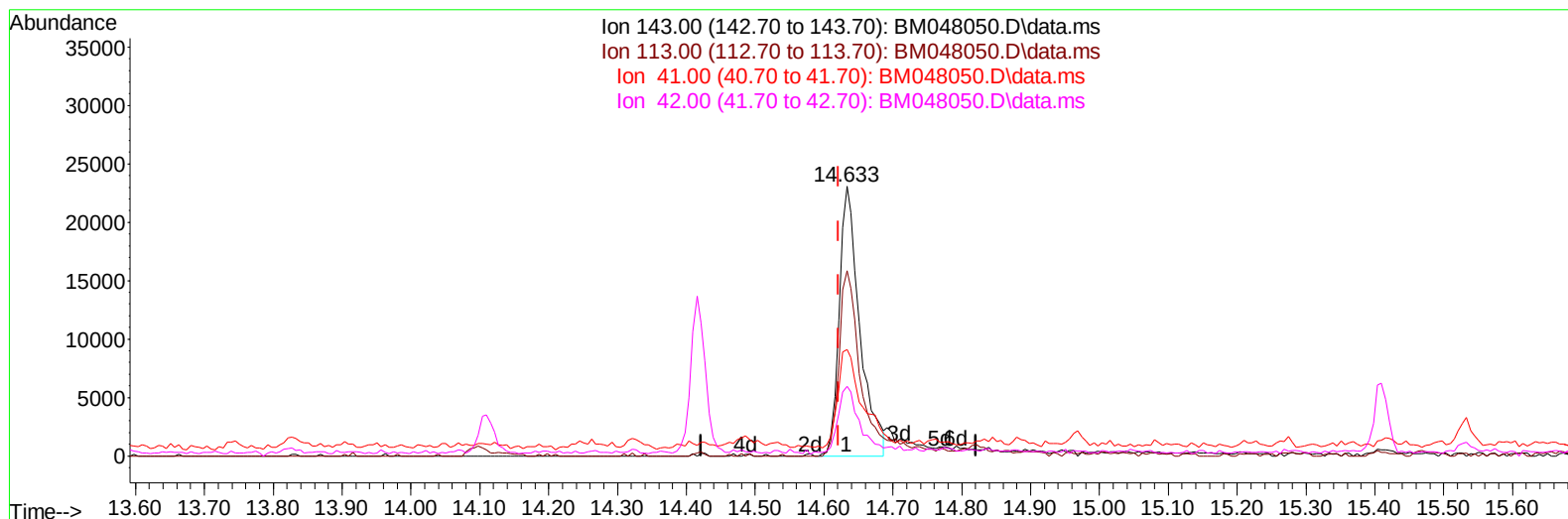
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

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

**14.633min (+ 0.012) 4.06 ng/ul**

**response 47871**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 77.20  | 68.65  |
| 41.00  | 60.00  | 39.54# |
| 42.00  | 40.50  | 25.89# |

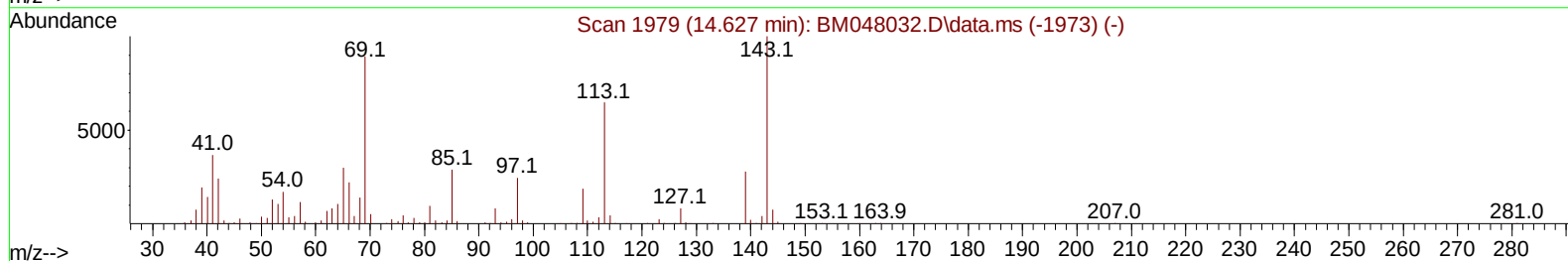
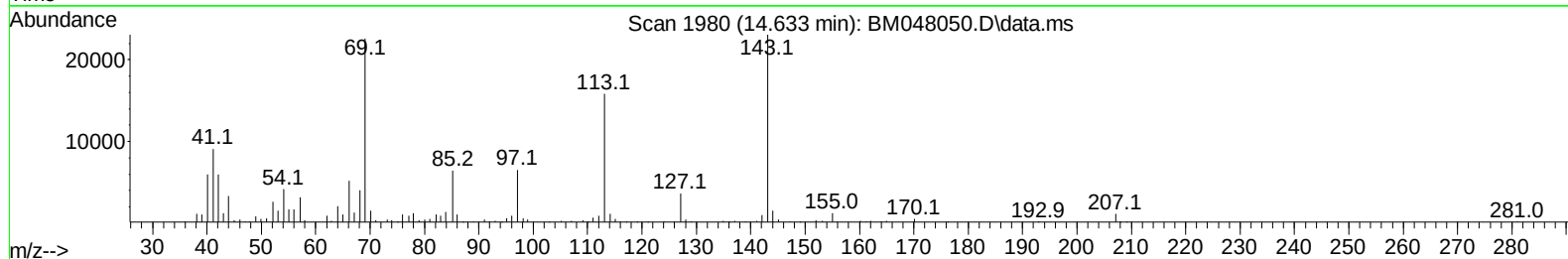
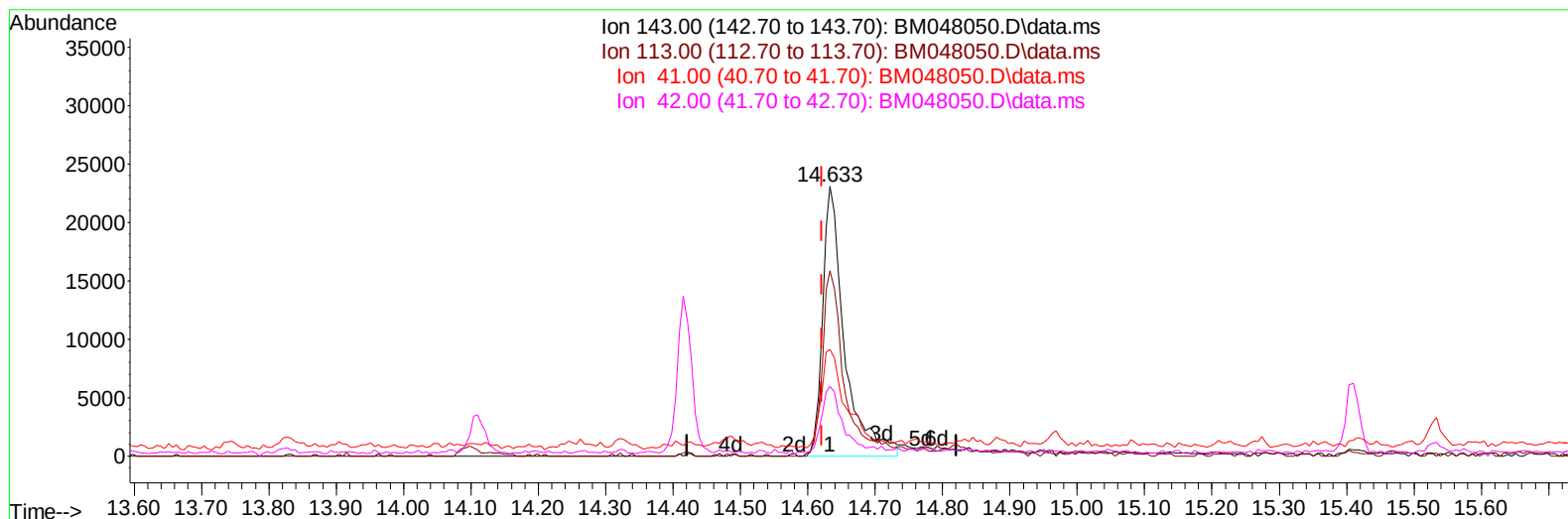
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

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

**14.633min (+ 0.012) 4.41 ng/ul m**

**response 51955**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 77.20  | 68.65  |
| 41.00  | 60.00  | 39.54# |
| 42.00  | 40.50  | 25.89# |

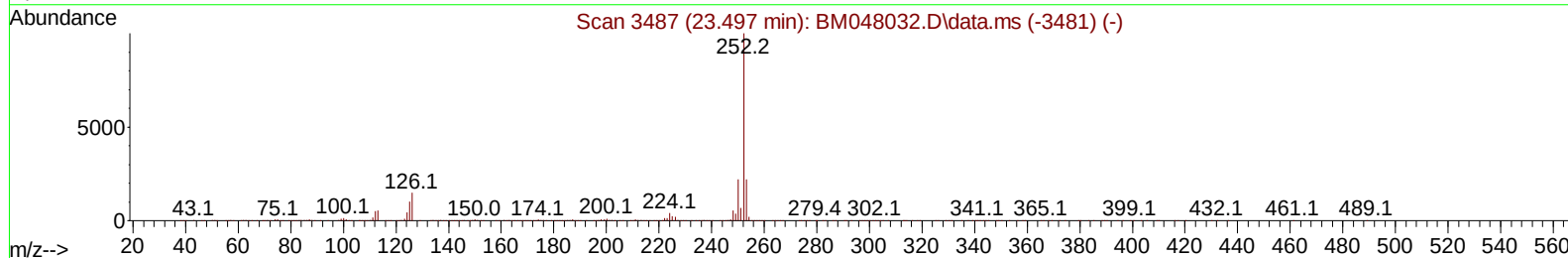
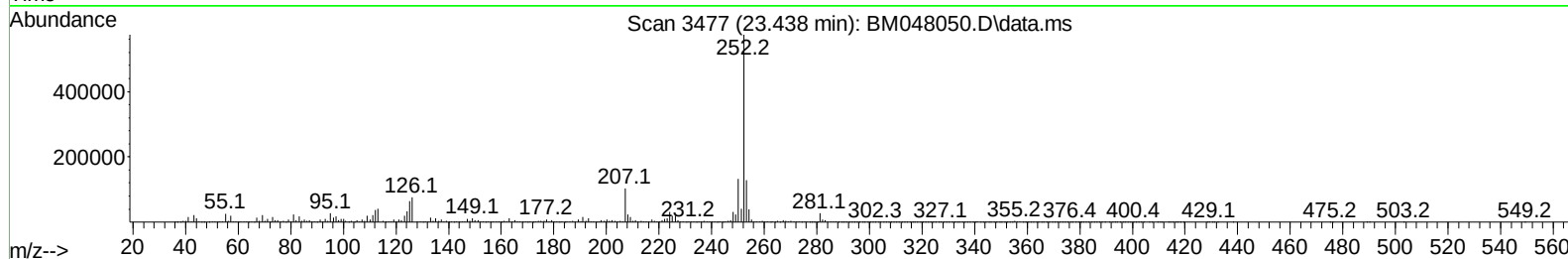
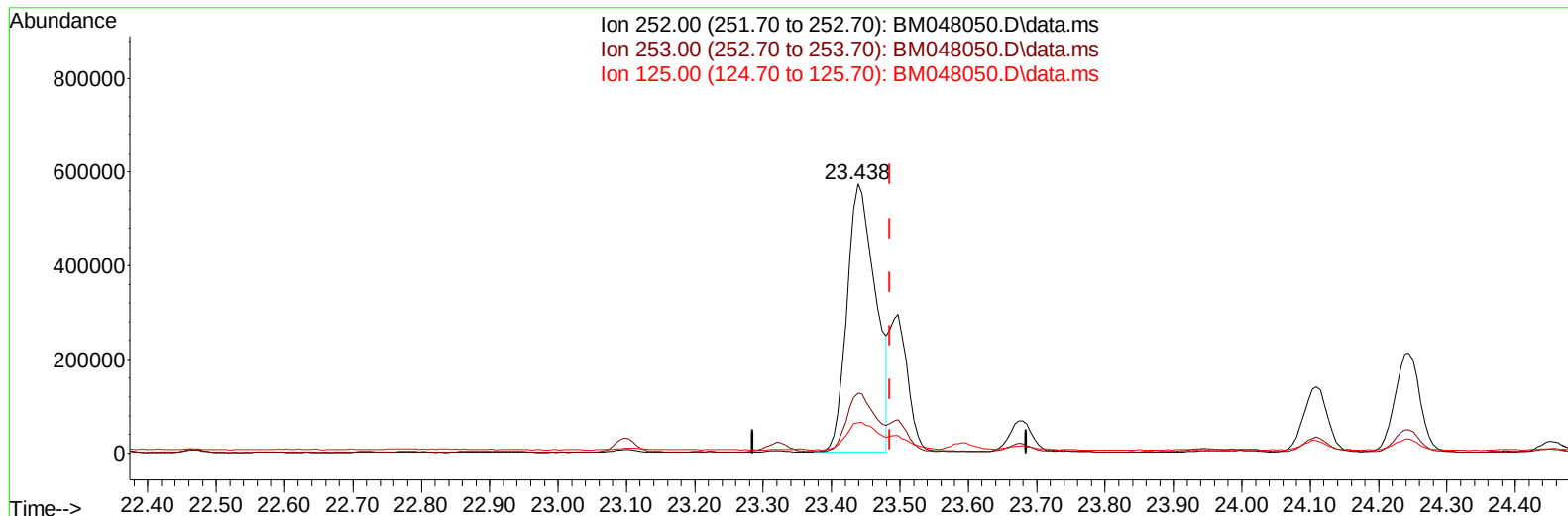
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

(91) Benzo(k)fluoranthene

23.438min (-0.047) 14.13 ng/u1

response 1670618

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 22.34  |
| 125.00 | 11.10  | 11.17  |
| 0.00   | 0.00   | 0.00   |

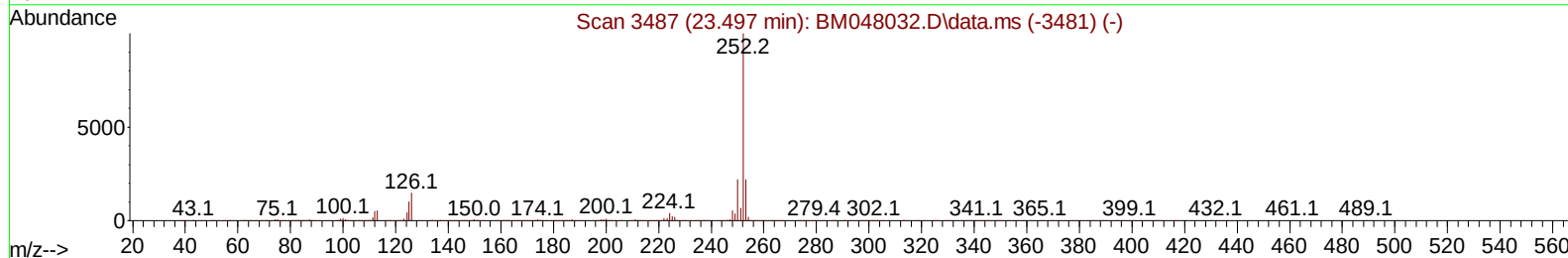
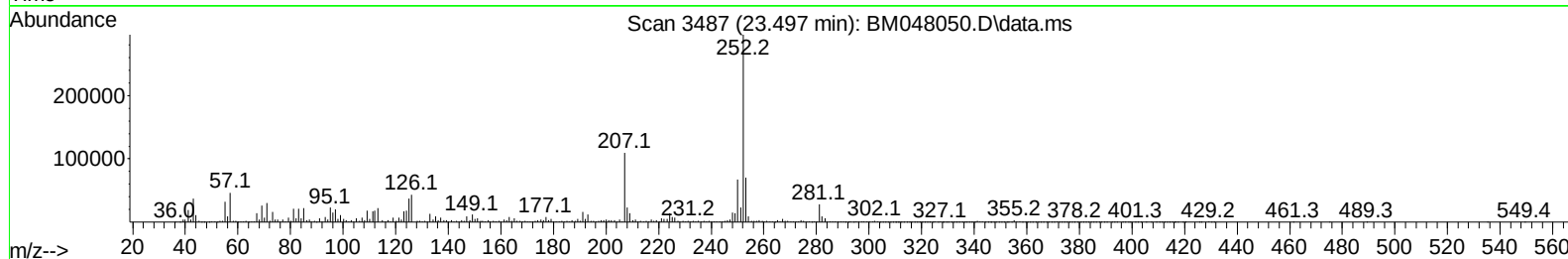
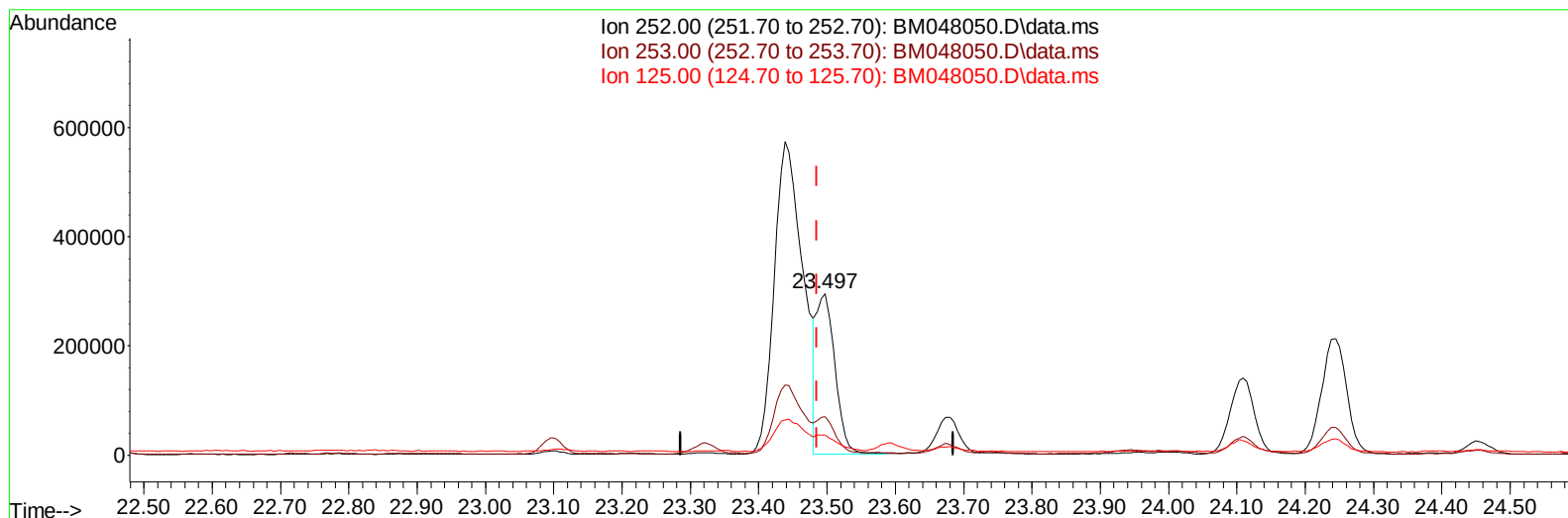
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:40:04 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024



TIC: BM048050.D\data.ms

(91) Benzo(k)fluoranthene

23.497min (+ 0.012) 4.60 ng/ul m

response 544033

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.90  | 23.85  |
| 125.00 | 11.10  | 12.52  |
| 0.00   | 0.00   | 0.00   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
 Data File : BM048050.D  
 Acq On : 15 Oct 2024 06:06  
 Operator : RC/JU  
 Sample : P4238-05  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4F15

Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:41:52 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 10 05:10:14 2024  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
 Supervised By :mohammad ahmed 10/17/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.781  | 152  | 320738   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.575 | 136  | 1294687  | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.421 | 164  | 816222   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.156 | 188  | 1691434  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.392 | 240  | 1576870  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.385 | 264  | 1853723  | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.240  | 96   | 10735    | 1.082  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 6.957  | 99   | 186171   | 6.138  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.110  | 67   | 112960   | 5.249  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.316  | 132  | 167166m  | 7.576  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.492  | 113  | 123519   | 5.478  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.939  | 128  | 74163    | 7.194  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.657  | 143  | 80873    | 8.187  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.204 | 165  | 146679   | 7.433  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.727 | 131  | 25826m   | 0.847  | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.827 | 166  | 436397   | 7.374  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.110 | 160  | 512394   | 7.303  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.633 | 143  | 51955m   | 4.410  | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.410 | 176  | 404318   | 7.888  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 200  | 36603    | 3.698  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.256 | 188  | 640559   | 7.702  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.545 | 212  | 680483   | 7.604  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.174 | 264  | 518407   | 5.390  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.604  | 105  | 44242    | 1.147  | ng/ul  | 93       |
| 72) Phenanthrene              | 17.204 | 178  | 641295   | 6.465  | ng/ul  | 100      |
| 74) Anthracene                | 17.292 | 178  | 132807   | 1.313  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.215 | 202  | 1976476  | 18.752 | ng/ul  | 98       |
| 82) Pyrene                    | 19.574 | 202  | 1413205  | 12.046 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.368 | 228  | 815094   | 7.383  | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.291 | 149  | 292972   | 4.705  | ng/ul# | 97       |
| 87) Chrysene                  | 21.433 | 228  | 1104099  | 10.258 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.438 | 252  | 1670618  | 14.451 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.497 | 252  | 544033m  | 4.602  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.244 | 252  | 541427   | 4.931  | ng/ul  | 96       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.762 | 276  | 621406   | 4.417  | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 27.797 | 278  | 201434   | 1.747  | ng/ul# | 92       |
| -----                         |        |      |          |        |        |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101424\  
Data File : BM048050.D  
Acq On : 15 Oct 2024 06:06  
Operator : RC/JU  
Sample : P4238-05  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4F15

## Manual IntegrationsAPPROVED

Quant Time: Oct 15 06:41:52 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 10 05:10:14 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/16/2024  
Supervised By :mohammad ahmed 10/17/2024

