

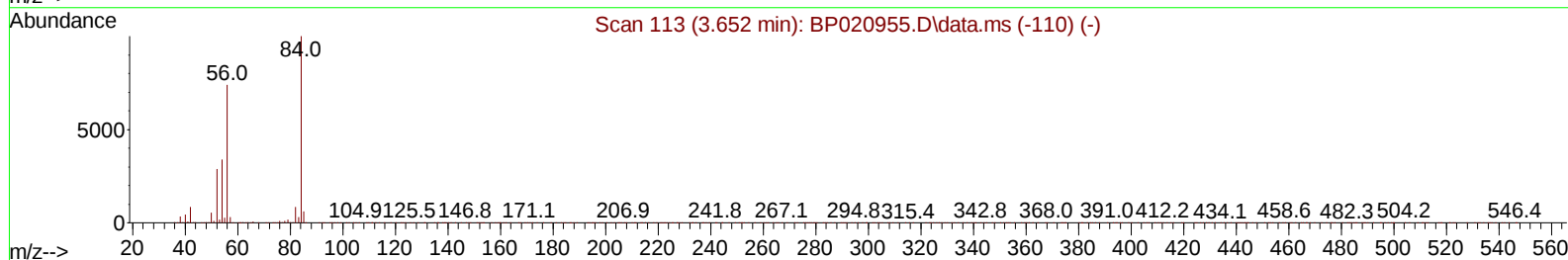
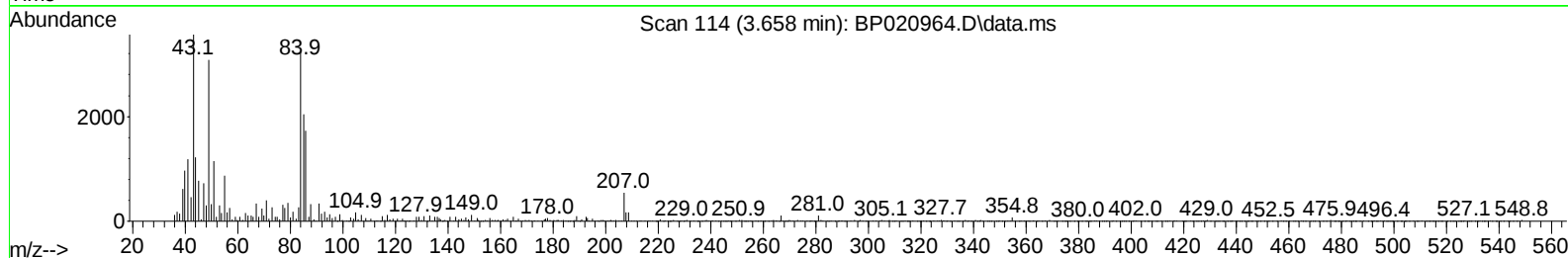
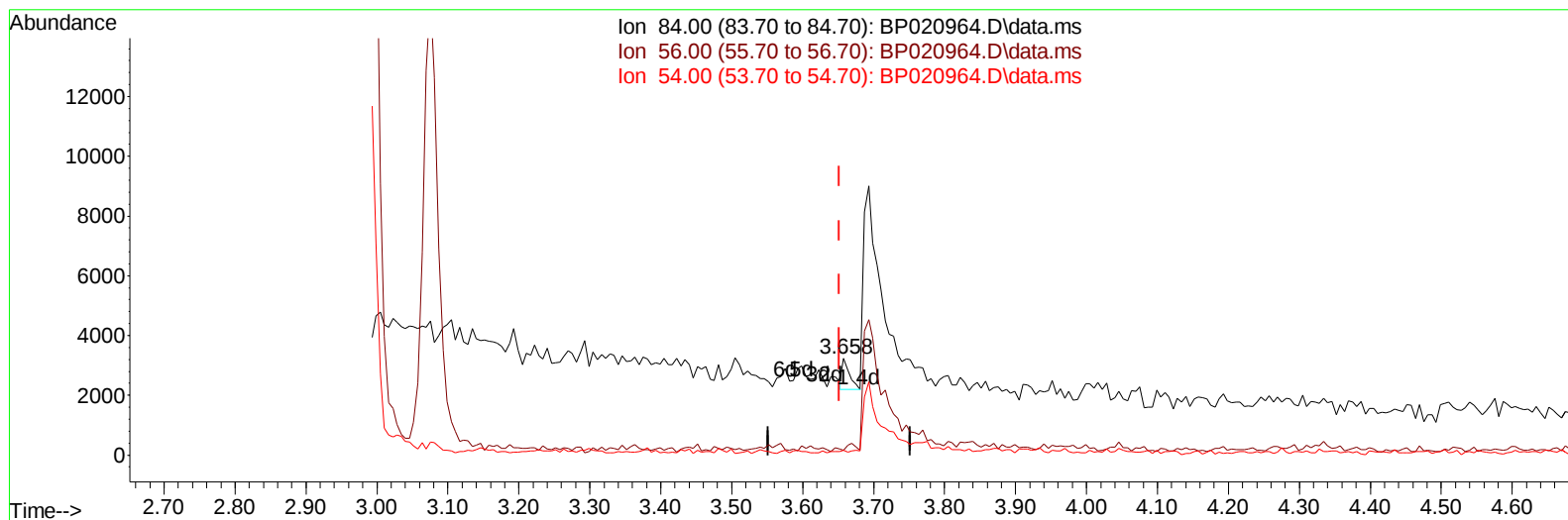
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071524\  
Data File : BP020964.D  
Acq On : 15 Jul 2024 18:53  
Operator : MA/JU  
Sample : P3087-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CB7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:53:35 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 15 12:22:22 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BP020964.D\data.ms

(4) Pyridine-d5 (S)

3.658min (+ 0.006) 0.07 ng/u1

response 762

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 56.00 | 70.20  | 5.18#  |
| 54.00 | 34.30  | 4.71#  |
| 0.00  | 0.00   | 0.00   |

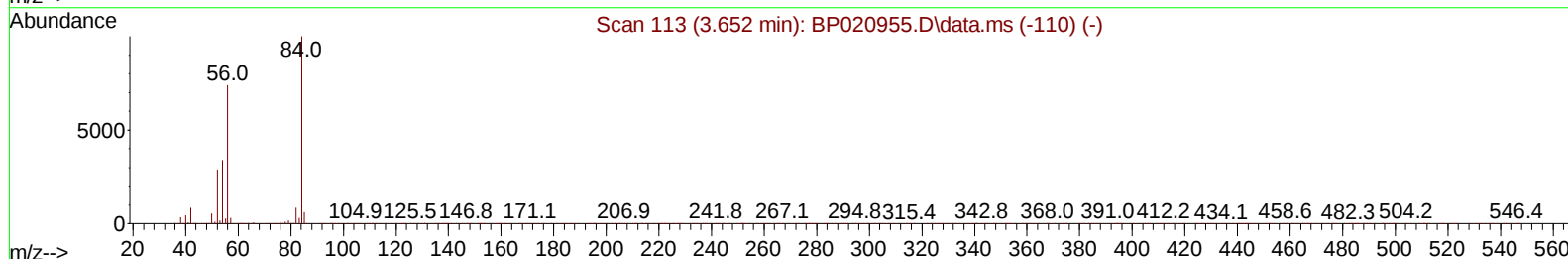
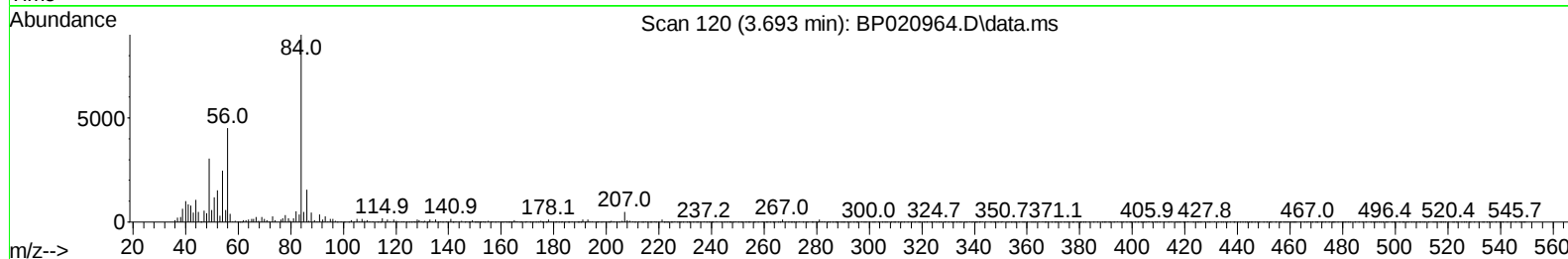
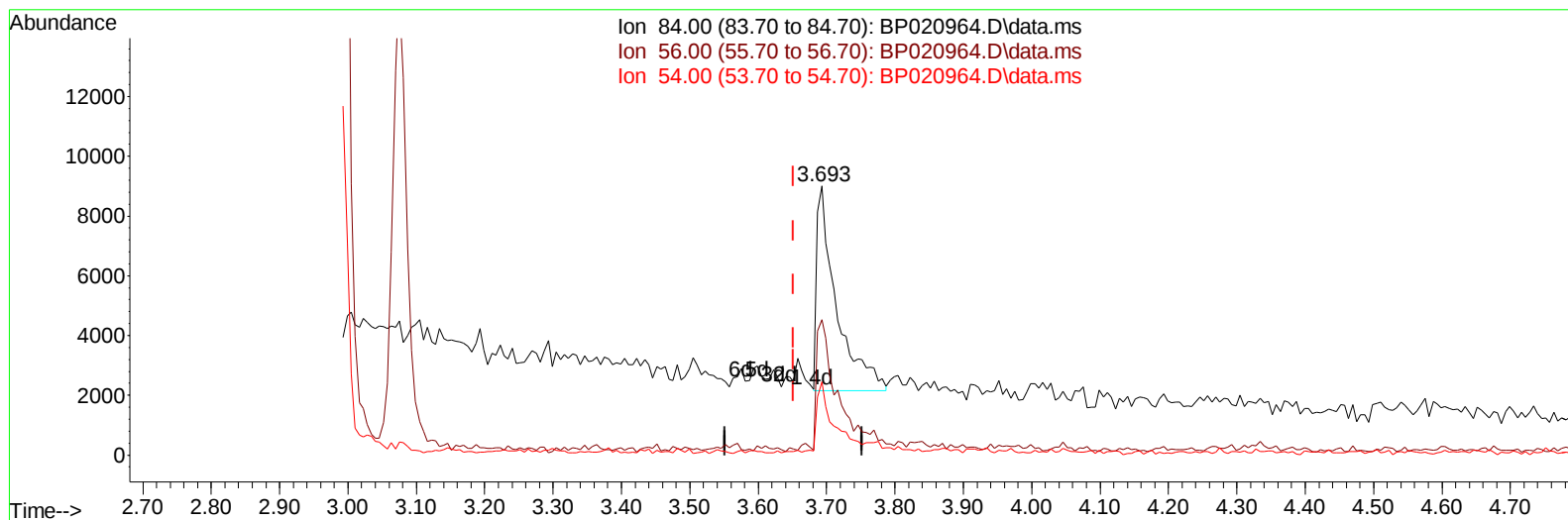
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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BP020964.D\data.ms

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

**3.693min (+ 0.041) 1.17 ng/ul m**

**response 13679**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 56.00 | 70.20  | 50.33# |
| 54.00 | 34.30  | 27.37# |
| 0.00  | 0.00   | 0.00   |

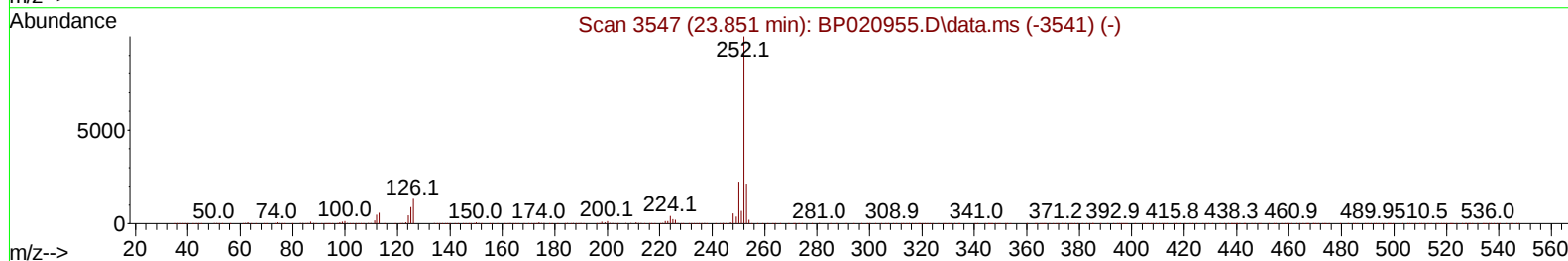
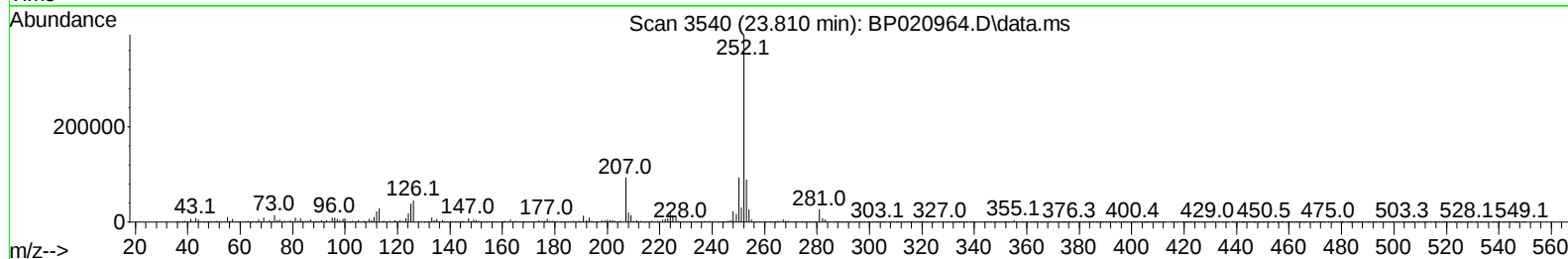
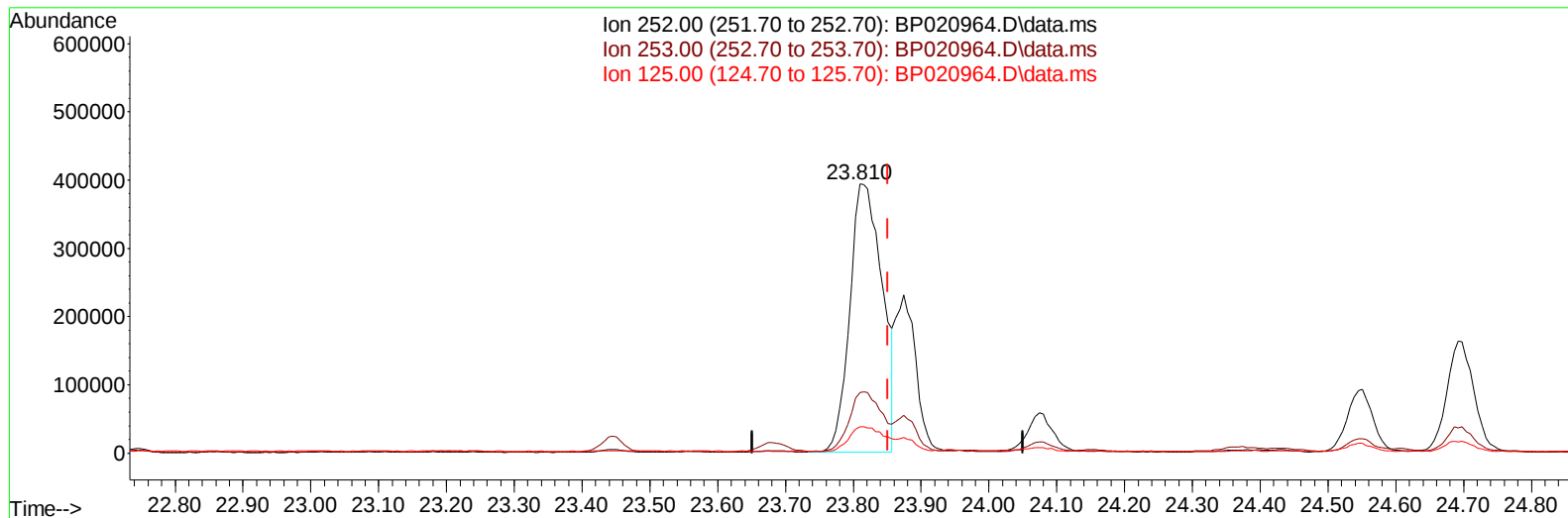
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071524\  
Data File : BP020964.D  
Acq On : 15 Jul 2024 18:53  
Operator : MA/JU  
Sample : P3087-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CB7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:55:17 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 15 12:22:22 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BP020964.D\data.ms

(91) Benzo(k)fluoranthene

23.810min (-0.041) 18.98 ng/u1

response 1307481

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.80  | 22.60  |
| 125.00 | 9.20   | 9.78   |
| 0.00   | 0.00   | 0.00   |

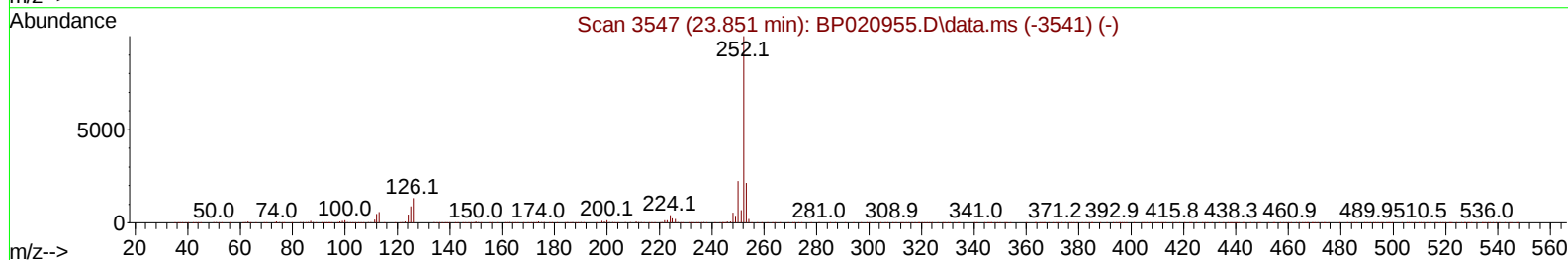
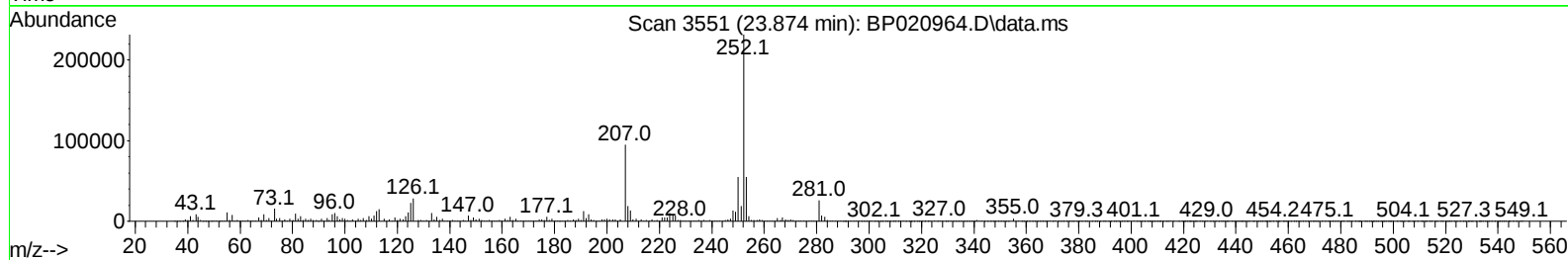
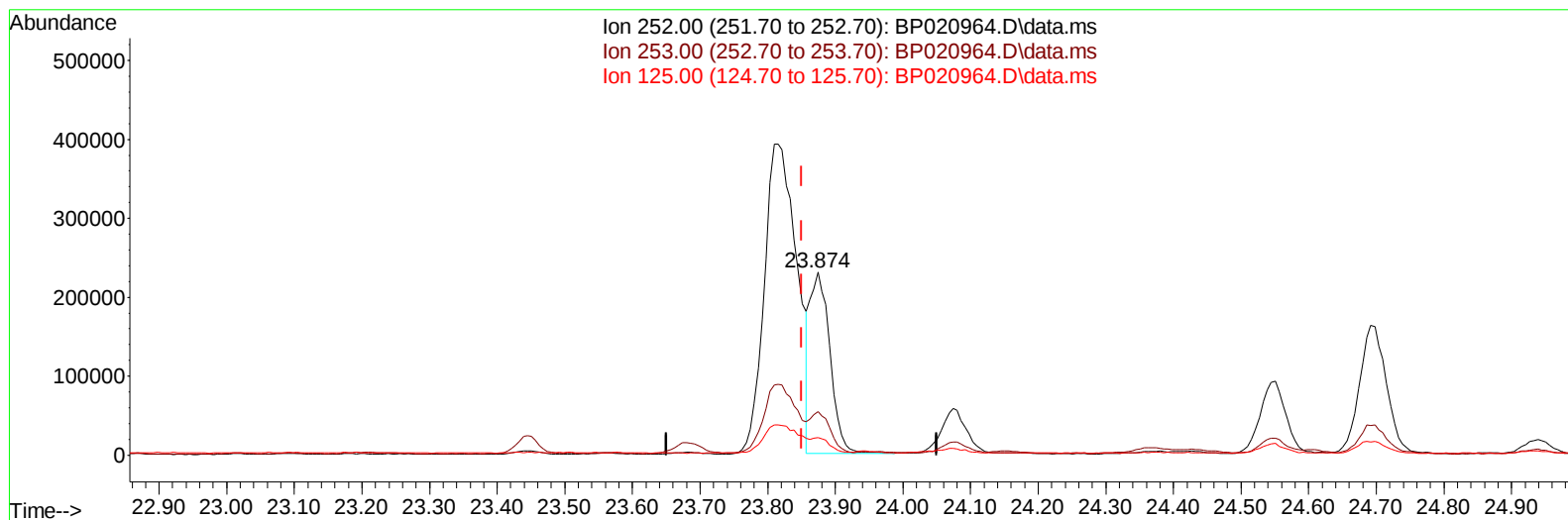
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071524\  
Data File : BP020964.D  
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Operator : MA/JU  
Sample : P3087-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CB7

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BP020964.D\data.ms

(91) Benzo(k)fluoranthene

23.874min (+ 0.023) 6.90 ng/u1 m

response 475487

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.80  | 23.81  |
| 125.00 | 9.20   | 9.75   |
| 0.00   | 0.00   | 0.00   |

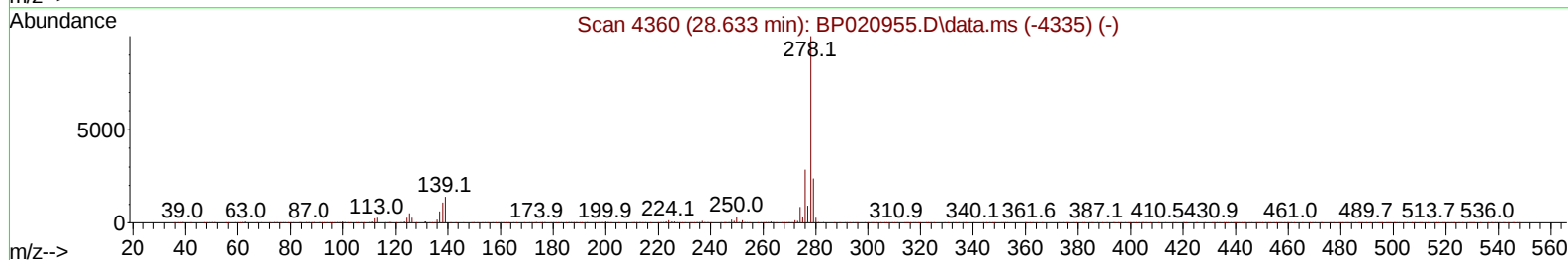
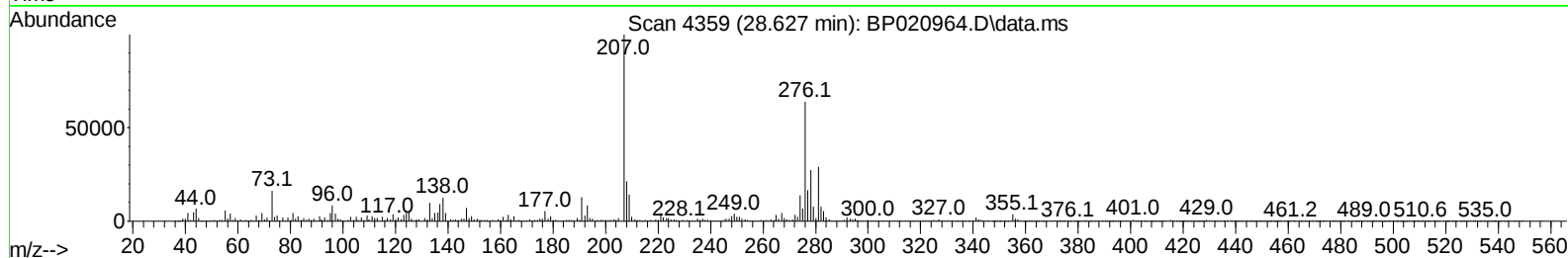
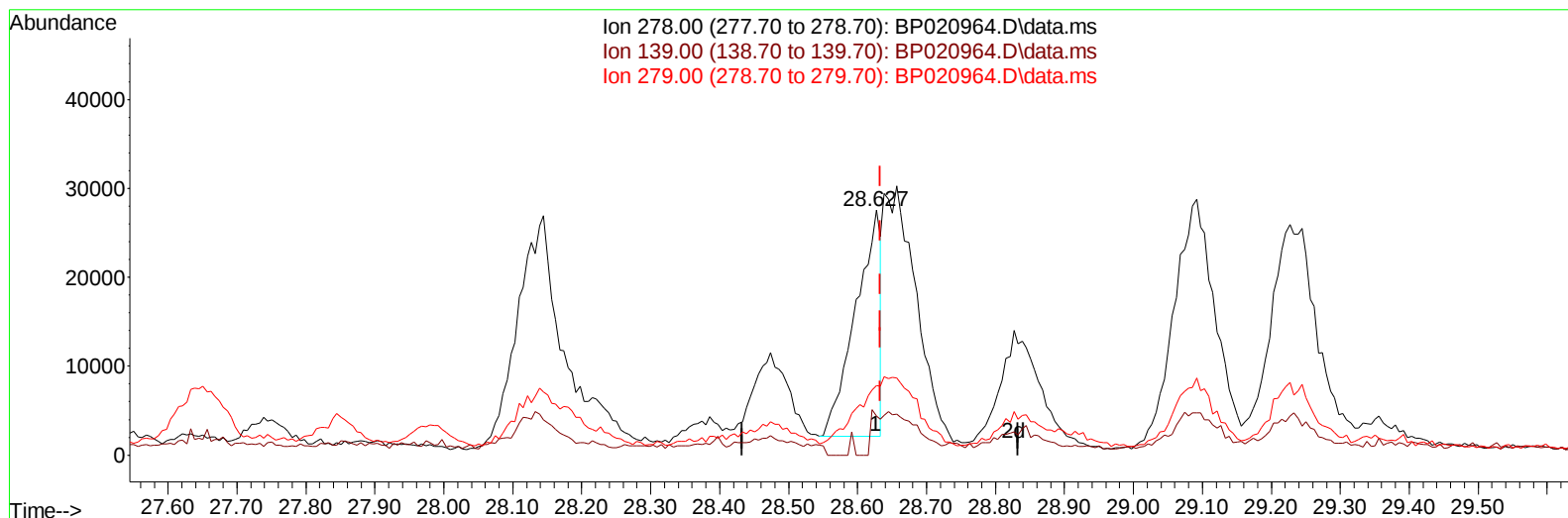
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071524\  
Data File : BP020964.D  
Acq On : 15 Jul 2024 18:53  
Operator : MA/JU  
Sample : P3087-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CB7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:55:17 2024  
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/16/2024  
Supervised By :mohammad ahmed 07/18/2024



TIC: BP020964.D\data.ms

(95) Dibenzo(a,h)anthracene

28.627min (-0.006) 0.92 ng/u1

response 64279

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.60  | 15.84  |
| 279.00 | 24.20  | 28.43  |
| 0.00   | 0.00   | 0.00   |

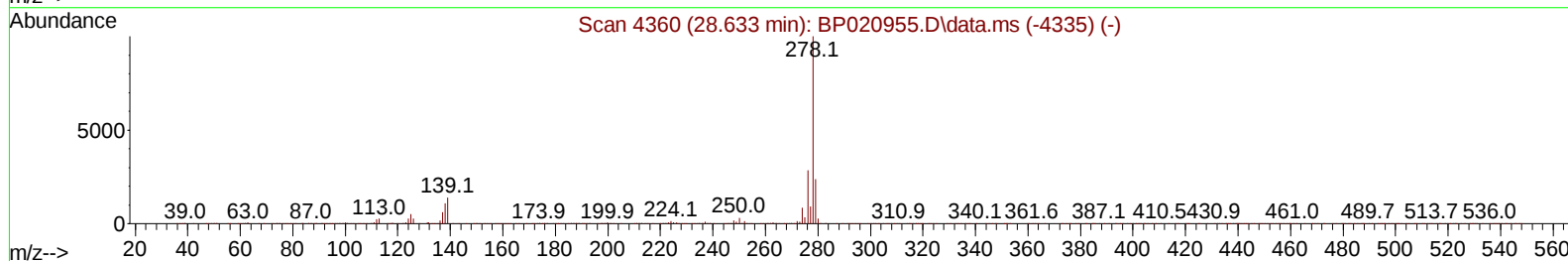
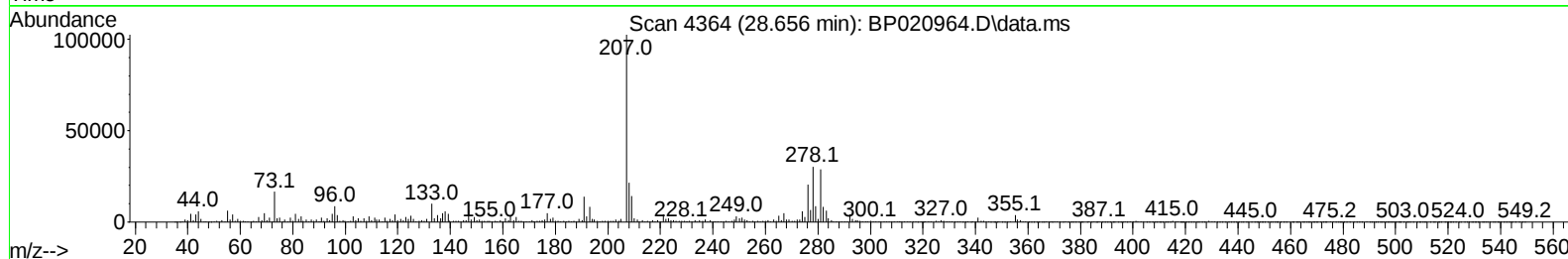
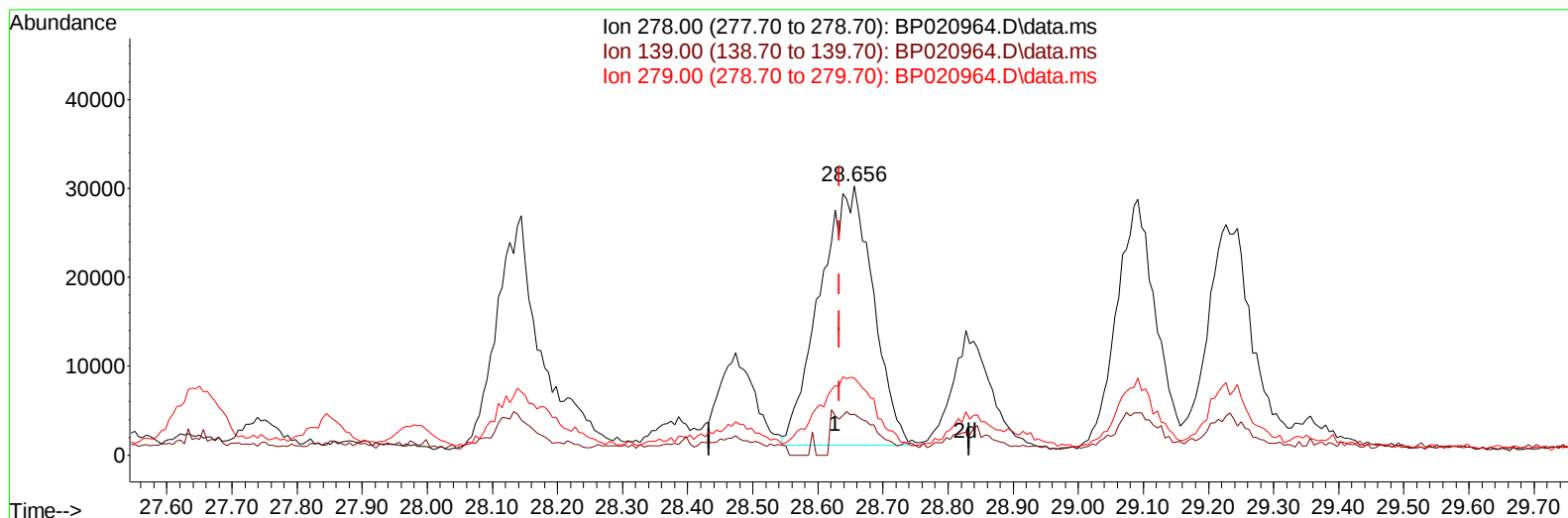
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Sample : P3087-01  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
A4CB7

Manual IntegrationsAPPROVED

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TIC: BP020964.D\data.ms

(95) Dibenzo(a,h)anthracene

28.656min (+ 0.023) 2.37 ng/ul m

response 164930

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 13.60  | 15.33  |
| 279.00 | 24.20  | 28.69  |
| 0.00   | 0.00   | 0.00   |

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 Sample : P3087-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4CB7

Manual IntegrationsAPPROVED

Quant Time: Jul 15 22:57:09 2024  
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 Quant Title : SVOA CALIBRATION  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 183812   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.457 | 136  | 736421   | 20.000 | ng/ul  | 0.01     |
| 38) Acenaphthene-d10          | 14.310 | 164  | 485864   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.122 | 188  | 1033740  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.557 | 240  | 947658   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.857 | 264  | 1137301  | 20.000 | ng/ul  | 0.02     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 18109    | 4.483  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 3.693  | 84   | 13679m   | 1.170  | ng/ul  | 0.04     |
| 7) Phenol-d5                  | 6.899  | 99   | 391085   | 26.097 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.046  | 67   | 242292   | 26.679 | ng/ul  | 0.01     |
| 11) 2-Chlorophenol-d4         | 7.246  | 132  | 335472   | 27.170 | ng/ul  | 0.01     |
| 15) 4-Methylphenol-d8         | 8.410  | 113  | 282779   | 22.720 | ng/ul  | 0.02     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 162652   | 28.436 | ng/ul  | 0.02     |
| 24) 2-Nitrophenol-d4          | 9.551  | 143  | 187710   | 28.672 | ng/ul  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.098 | 165  | 337139   | 28.479 | ng/ul  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.604 | 131  | 209210   | 13.340 | ng/ul  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 1105952  | 31.313 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.004 | 160  | 1206093  | 30.411 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.575 | 143  | 135968   | 27.057 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.316 | 176  | 960895   | 33.162 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 200  | 160809   | 25.710 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.227 | 188  | 1430076  | 31.147 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.598 | 212  | 1493470  | 25.491 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.627 | 264  | 1129429  | 20.135 | ng/ul  | 0.02     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.375 | 153  | 47084    | 1.580  | ng/ul  | 97       |
| 61) Fluorene                  | 15.375 | 166  | 54940    | 1.650  | ng/ul  | 97       |
| 72) Phenanthrene              | 17.169 | 178  | 1162132  | 21.671 | ng/ul  | 99       |
| 74) Anthracene                | 17.257 | 178  | 211242   | 3.864  | ng/ul  | 100      |
| 77) Carbazole                 | 17.551 | 167  | 102782   | 2.300  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.251 | 202  | 2163214  | 30.574 | ng/ul  | 99       |
| 82) Pyrene                    | 19.633 | 202  | 1441599  | 20.023 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 904749   | 13.629 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.457 | 149  | 1098450  | 25.445 | ng/ul  | 99       |
| 87) Chrysene                  | 21.604 | 228  | 985917   | 15.983 | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.810 | 252  | 1307481  | 18.944 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.874 | 252  | 475487m  | 6.903  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.692 | 252  | 440111   | 6.748  | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.597 | 276  | 446840   | 5.317  | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 28.656 | 278  | 164930m  | 2.370  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

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