

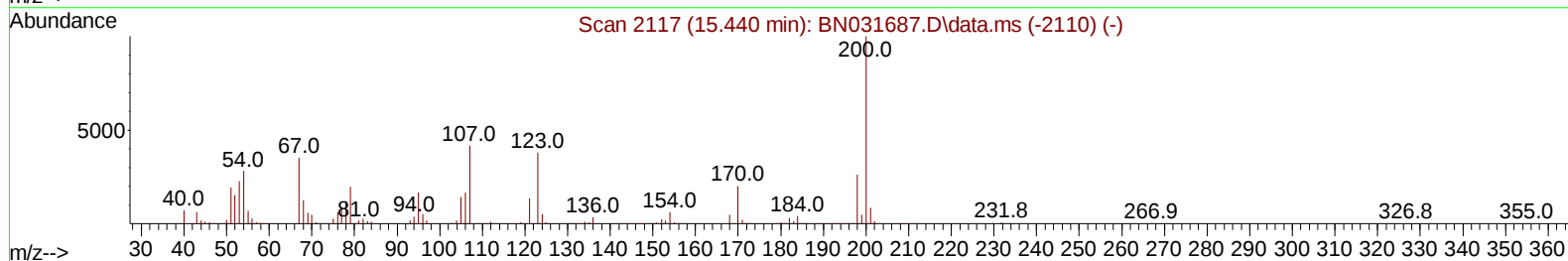
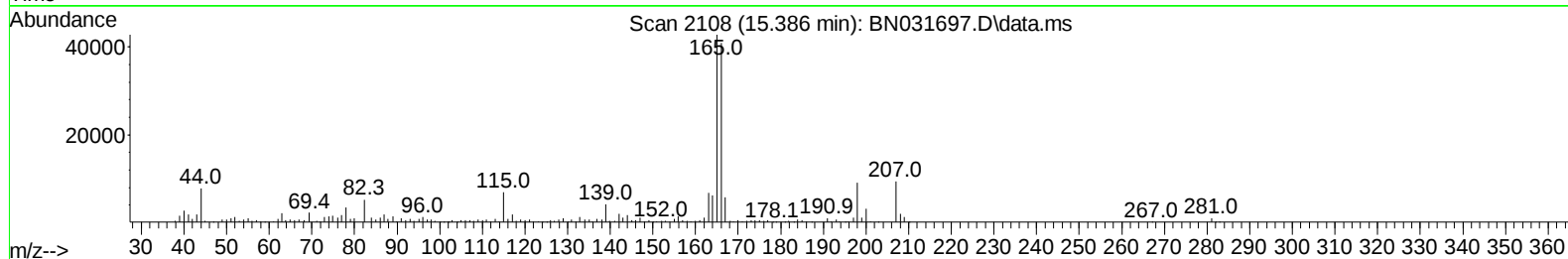
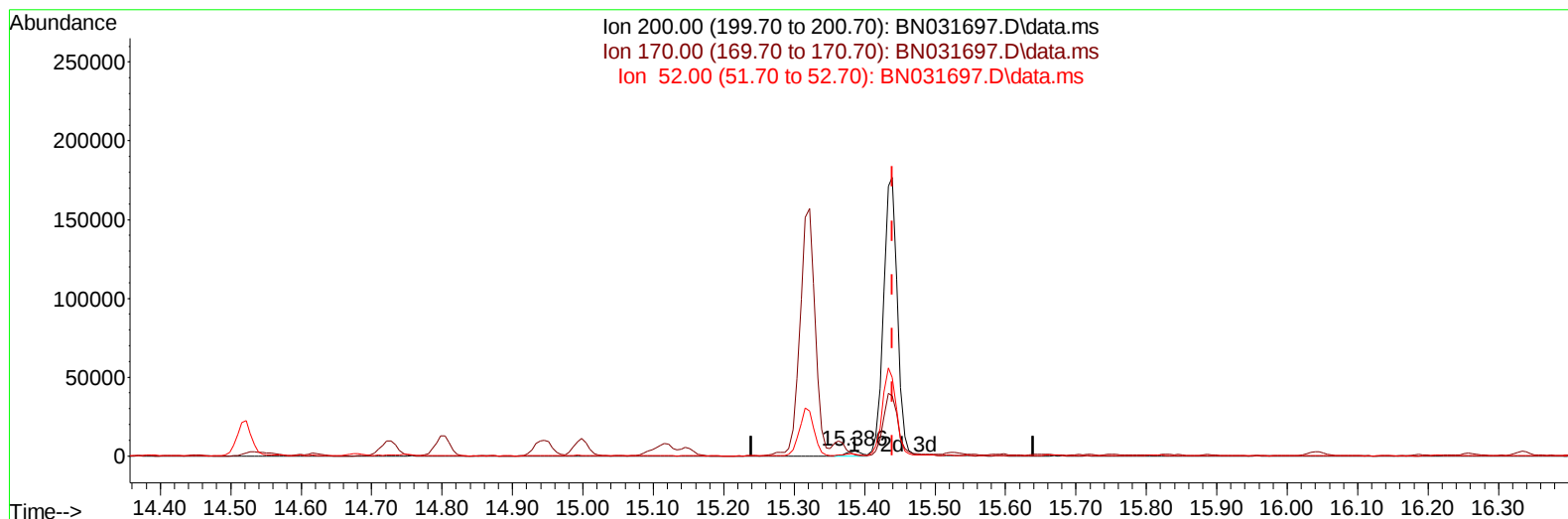
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031697.D  
Acq On : 29 May 2024 19:19  
Operator : MA/JU  
Sample : P2569-08  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH648

## Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024

Quant Time: May 29 23:21:47 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052924.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
Response via : Initial Calibration



TIC: BN031697.D\data.ms

**(65) 4,6-Dinitro-2-methylphenol-d2 (S)****15.386min (-0.053) 0.28 ng/u1****response 4196**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 20.20  | 20.06  |
| 52.00  | 36.90  | 38.89  |
| 0.00   | 0.00   | 0.00   |

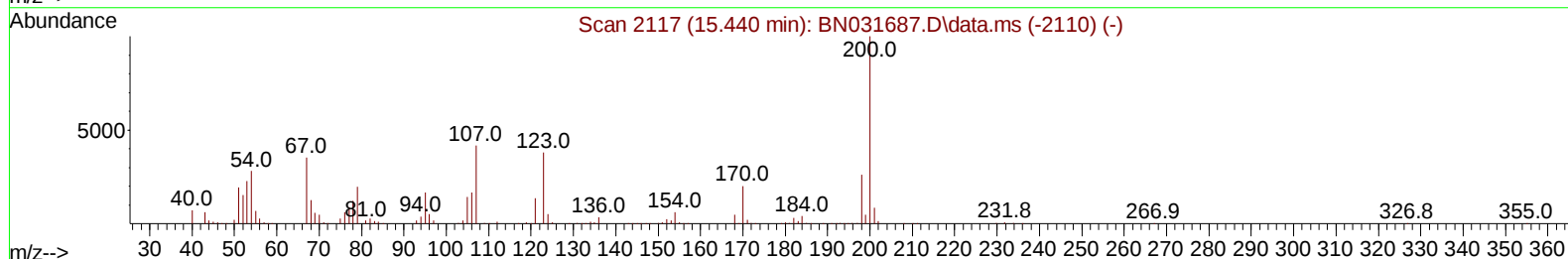
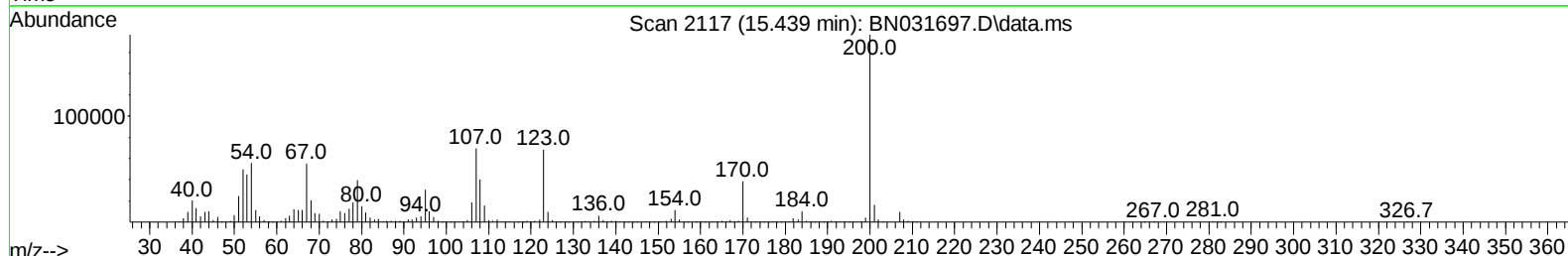
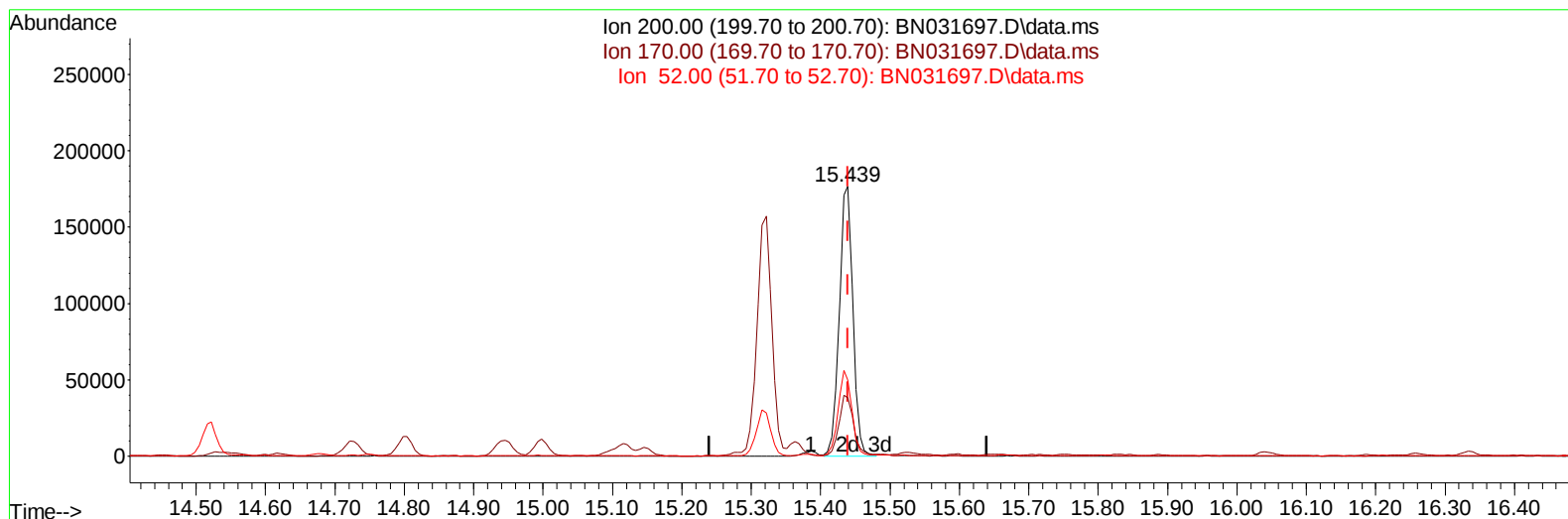
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
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Manual IntegrationsAPPROVED

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Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024



TIC: BN031697.D\data.ms

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

15.439min (-0.000) 16.06 ng/ul m

response 241562

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 20.20  | 21.67  |
| 52.00  | 36.90  | 28.20# |
| 0.00   | 0.00   | 0.00   |

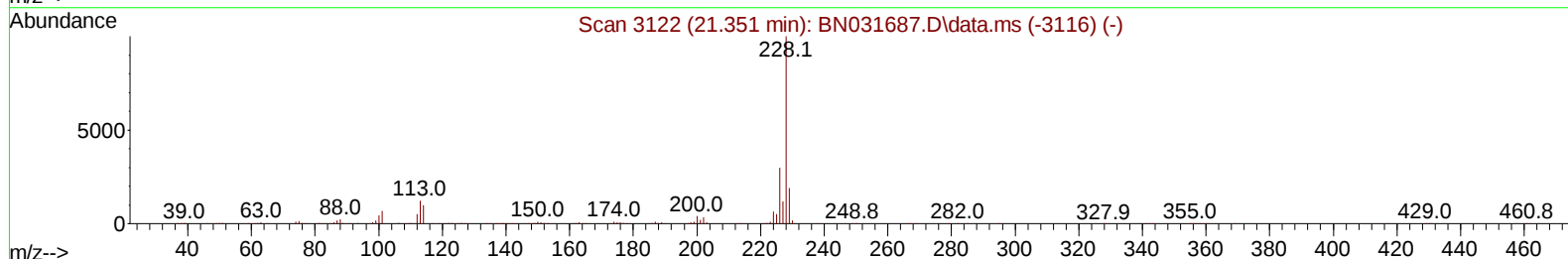
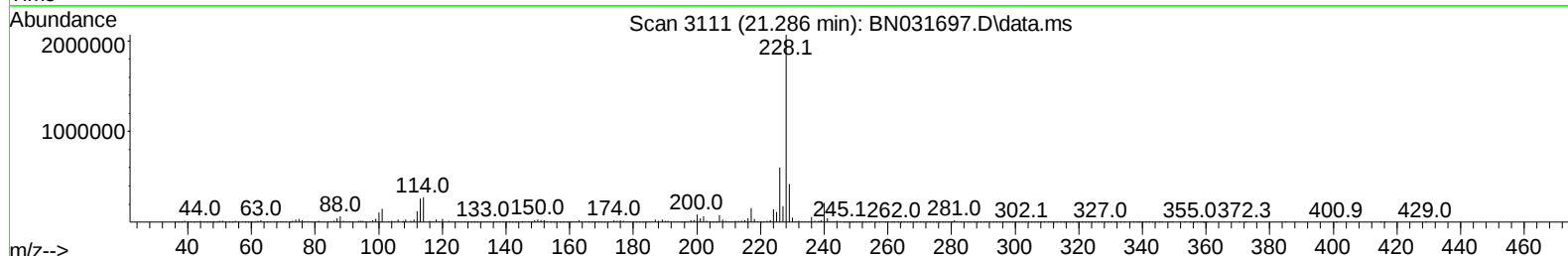
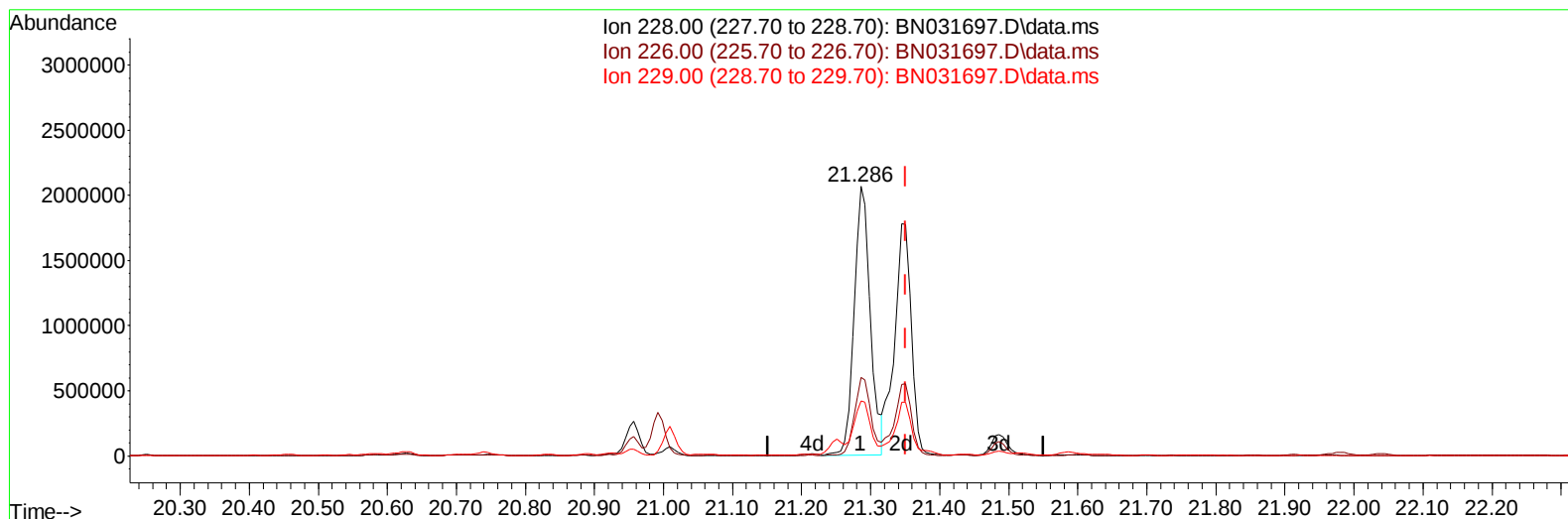
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
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Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 05/31/2024



TIC: BN031697.D\data.ms

**(87) Chrysene**

21.286min (-0.065) 22.45 ng/u1

response 3372670

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.60  | 29.07  |
| 229.00 | 18.90  | 20.41  |
| 0.00   | 0.00   | 0.00   |

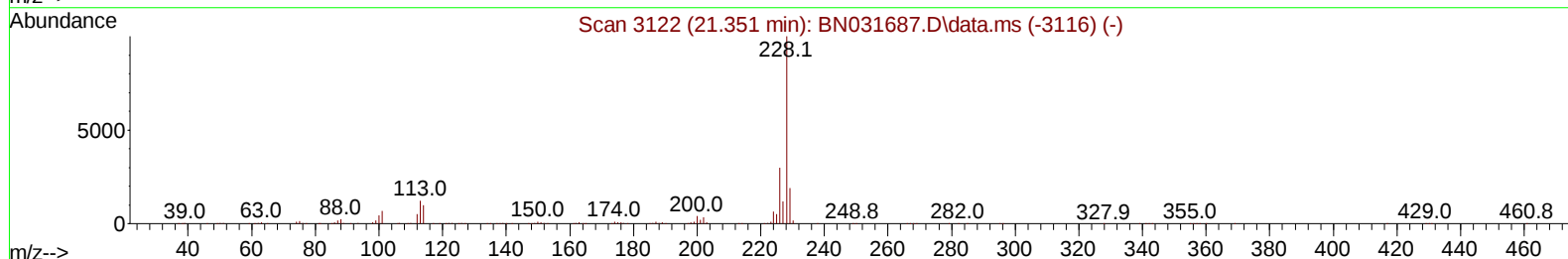
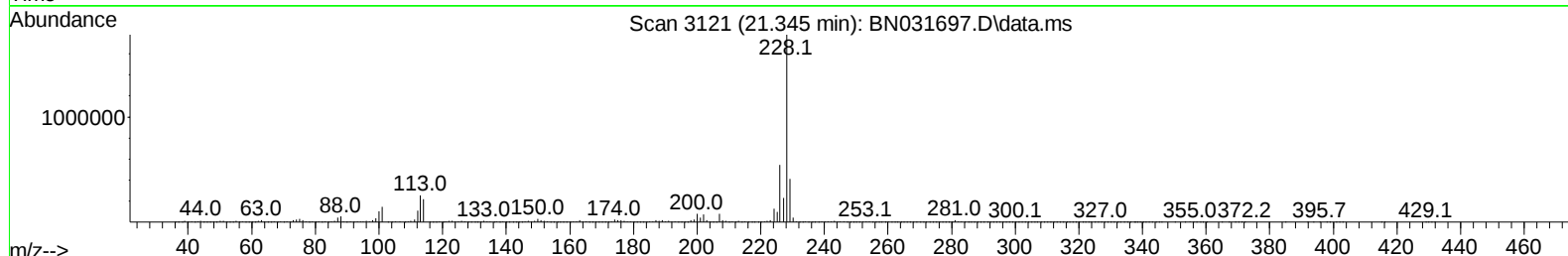
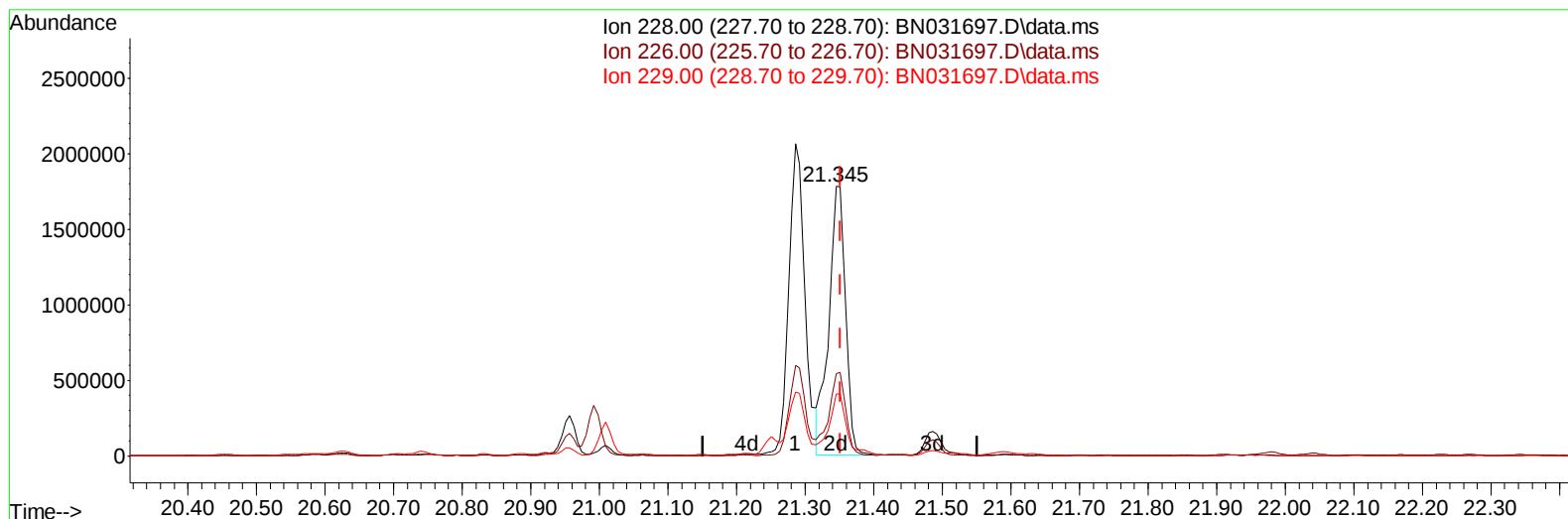
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
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Manual IntegrationsAPPROVED

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QLast Update : Wed May 29 15:13:07 2024  
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Supervised By :mohammad ahmed 05/31/2024



TIC: BN031697.D\data.ms

(87) Chrysene

21.345min (-0.006) 20.15 ng/ul m

response 3026273

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 29.60  | 30.66  |
| 229.00 | 18.90  | 23.12# |
| 0.00   | 0.00   | 0.00   |

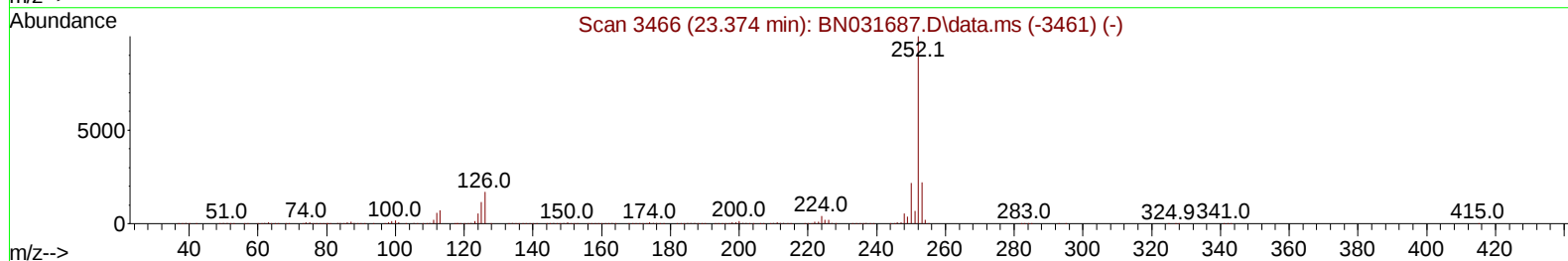
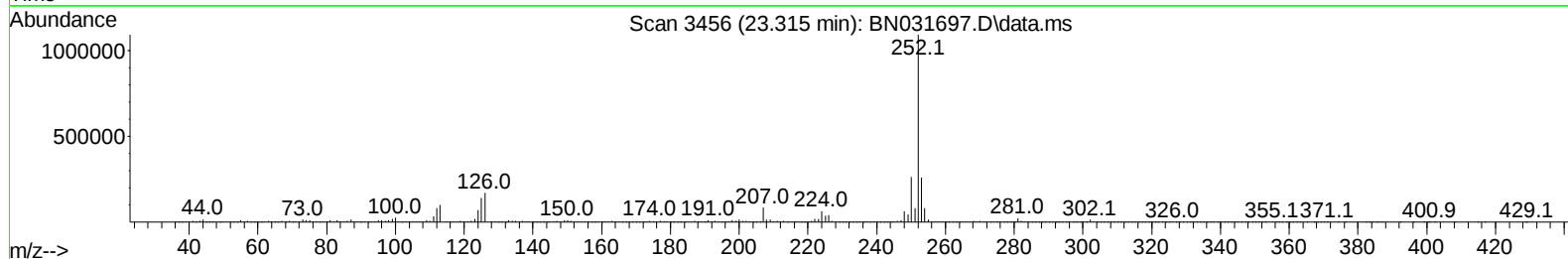
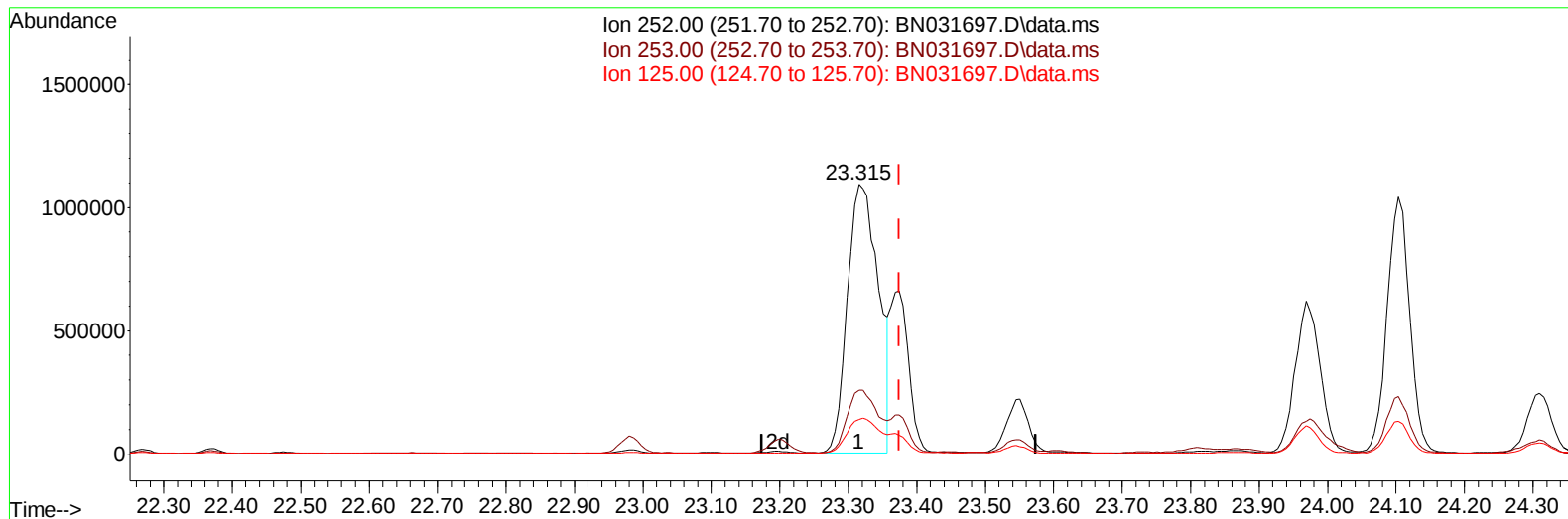
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Data File : BN031697.D  
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ALS Vial : 7 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BN031697.D\data.ms

(91) Benzo(k)fluoranthene

23.315min (-0.059) 26.13 ng/u1

response 3456648

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 23.61  |
| 125.00 | 11.80  | 12.80  |
| 0.00   | 0.00   | 0.00   |

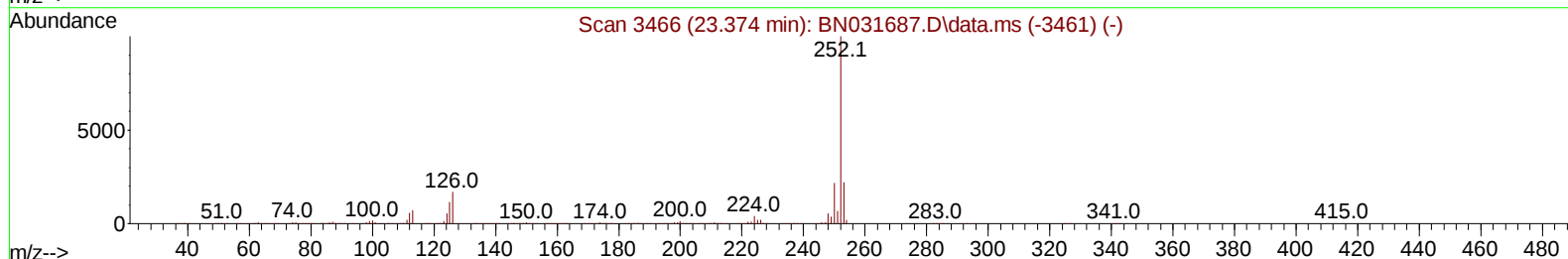
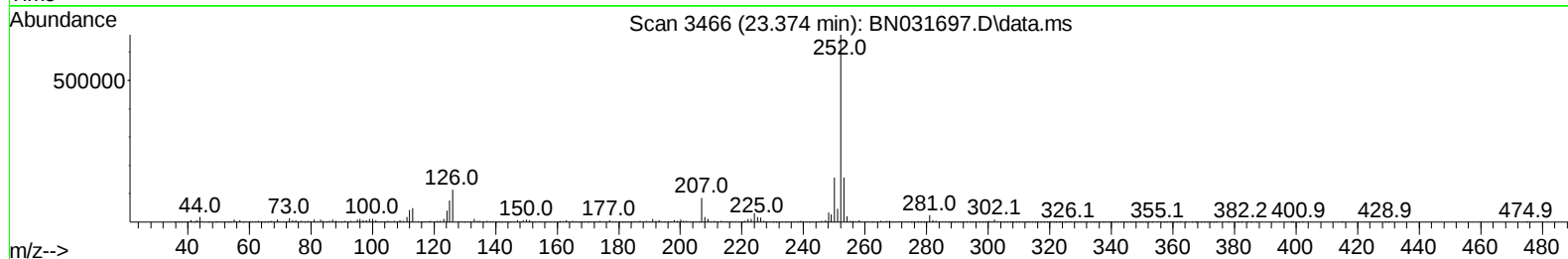
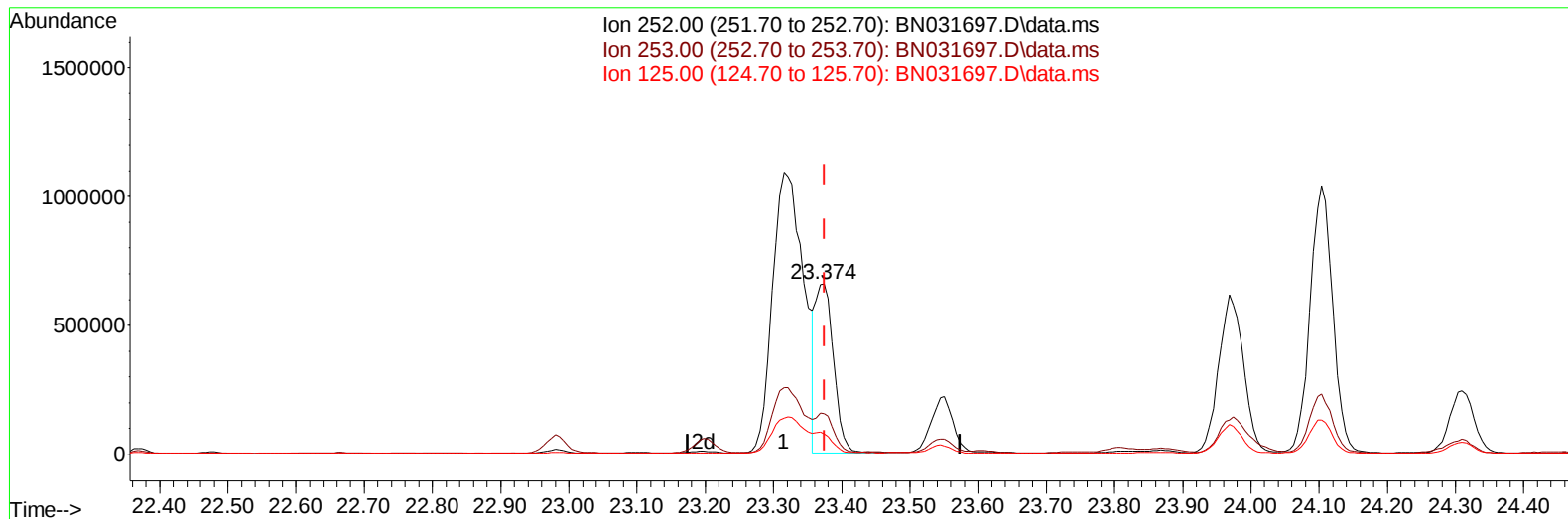
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031697.D  
Acq On : 29 May 2024 19:19  
Operator : MA/JU  
Sample : P2569-08  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH648

Manual IntegrationsAPPROVED

Quant Time: May 29 23:21:47 2024  
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Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 29 15:13:07 2024  
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/30/2024  
Supervised By :mohammad ahmed 05/31/2024



TIC: BN031697.D\data.ms

(91) Benzo(k)fluoranthene

23.374min (-0.000) 9.22 ng/u1 m

response 1219774

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.00  | 23.83  |
| 125.00 | 11.80  | 11.72  |
| 0.00   | 0.00   | 0.00   |

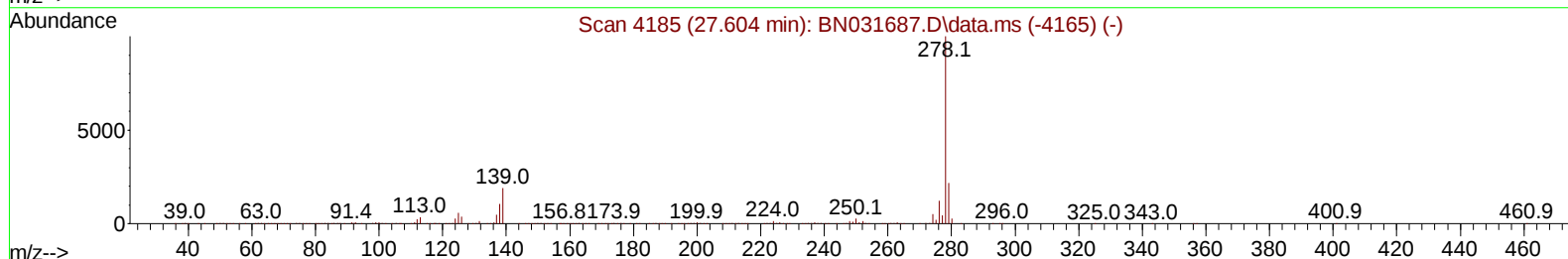
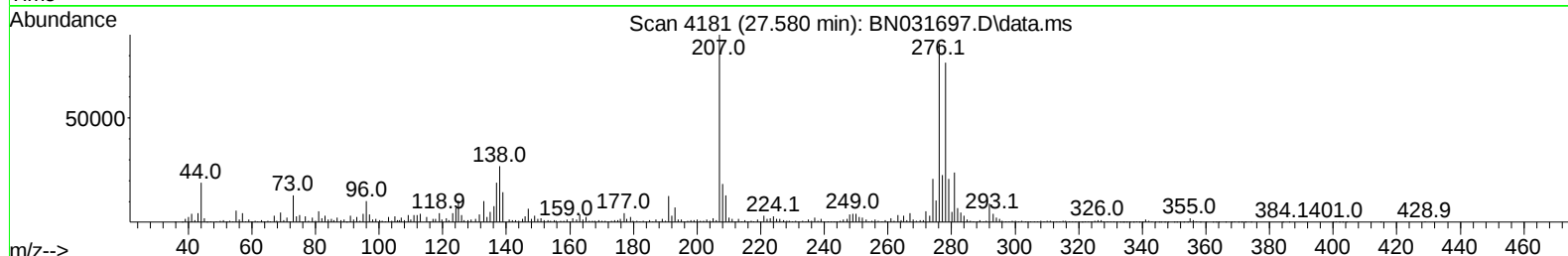
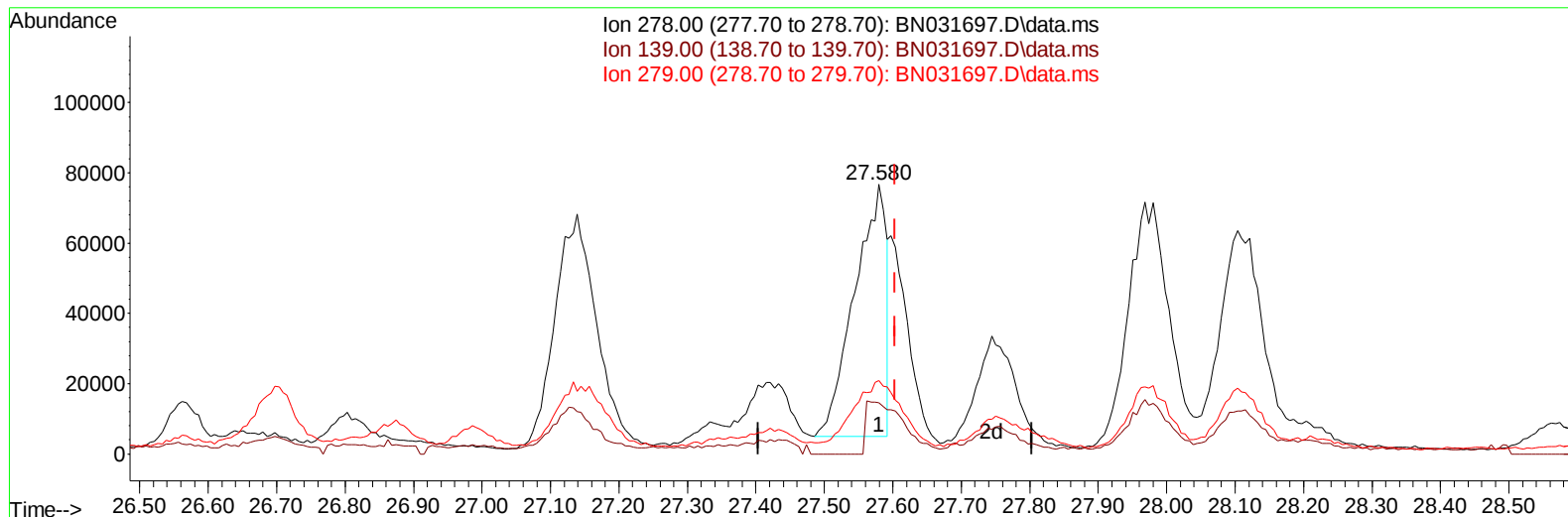
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052924\  
Data File : BN031697.D  
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Sample : P2569-08  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BH648

Manual IntegrationsAPPROVED

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Reviewed By :Jagrut Upadhyay 05/30/2024  
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TIC: BN031697.D\data.ms

(95) Dibenzo(a,h)anthracene

27.580min (-0.024) 1.94 ng/u1

response 229942

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 18.80  | 19.02  |
| 279.00 | 21.70  | 27.27# |
| 0.00   | 0.00   | 0.00   |

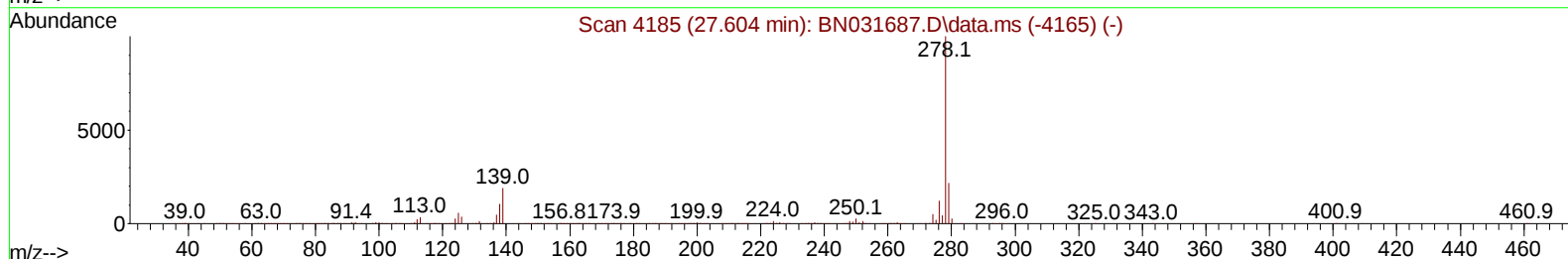
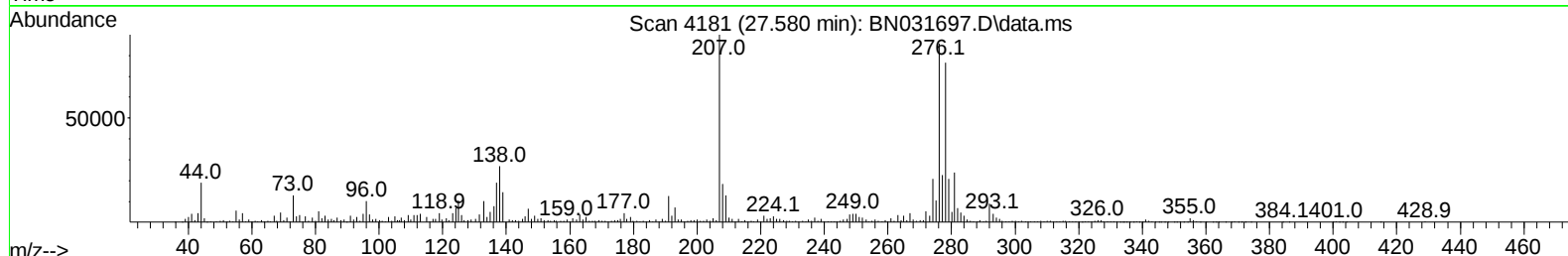
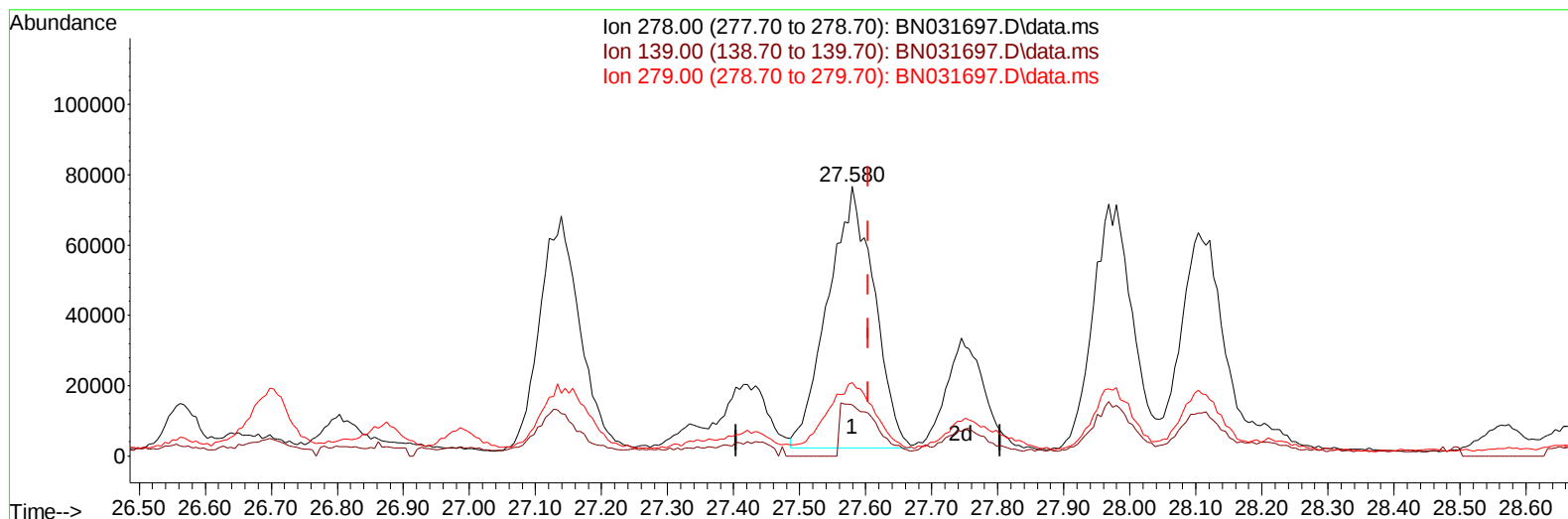
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 Data File : BN031697.D  
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 Operator : MA/JU  
 Sample : P2569-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BH648

Manual IntegrationsAPPROVED

Quant Time: May 29 23:21:47 2024  
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 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 05/30/2024  
 Supervised By :mohammad ahmed 05/31/2024



TIC: BN031697.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**27.580min (-0.024) 3.05 ng/u1 m**

**response 362271**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 18.80  | 19.02  |
| 279.00 | 21.70  | 27.27# |
| 0.00   | 0.00   | 0.00   |

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Manual IntegrationsAPPROVED

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| Compound                      | R.T.   | Q   | Ion | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|-----|-----|----------|--------|--------|----------|
| -----                         |        |     |     |          |        |        |          |
| Internal Standards            |        |     |     |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152 |     | 481564   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.469 | 136 |     | 2225392  | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164 |     | 1460932  | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.069 | 188 |     | 2993308  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.310 | 240 |     | 2402579  | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264 |     | 2255247  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |     |     |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.193  | 96  |     | 40527    | 3.482  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.593  | 84  |     | 485168   | 14.807 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.852  | 99  |     | 861819   | 20.876 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67  |     | 516872   | 21.404 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132 |     | 674686   | 21.418 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113 |     | 552137   | 16.407 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.840  | 128 |     | 352078   | 20.692 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.557  | 143 |     | 355695   | 20.237 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.087 | 165 |     | 678693   | 20.683 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.604 | 131 |     | 614890   | 12.621 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.739 | 166 |     | 2276160  | 22.364 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.016 | 160 |     | 2574955  | 22.003 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143 |     | 305845   | 15.009 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176 |     | 1970630  | 22.883 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200 |     | 241562m  | 16.055 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188 |     | 3015673  | 23.532 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212 |     | 3533530  | 27.484 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.045 | 264 |     | 2769730  | 25.720 | ng/ul  | 0.00     |
| Target Compounds              |        |     |     |          |        |        |          |
|                               |        |     |     |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.045 | 152 |     | 254725   | 1.926  | ng/ul  | 98       |
| 52) Acenaphthene              | 14.386 | 153 |     | 98304    | 1.123  | ng/ul  | 97       |
| 61) Fluorene                  | 15.375 | 166 |     | 140734   | 1.470  | ng/ul  | 95       |
| 72) Phenanthrene              | 17.110 | 178 |     | 3404091  | 22.324 | ng/ul  | 99       |
| 74) Anthracene                | 17.204 | 178 |     | 894316   | 5.788  | ng/ul  | 98       |
| 77) Carbazole                 | 17.475 | 167 |     | 281421   | 2.136  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.133 | 202 |     | 6633754  | 43.174 | ng/ul  | 100      |
| 82) Pyrene                    | 19.498 | 202 |     | 5905778  | 37.463 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.404 | 149 |     | 112025   | 1.505  | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.286 | 228 |     | 3372792  | 20.973 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149 |     | 10630476 | 97.942 | ng/ul  | 99       |
| 87) Chrysene                  | 21.345 | 228 |     | 3026273m | 20.147 | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.315 | 252 |     | 3456648  | 25.643 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 23.374 | 252 |     | 1219774m | 9.221  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 24.104 | 252 |     | 2396157  | 18.979 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.539 | 276 |     | 1344554  | 9.242  | ng/ul  | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.580 | 278 |     | 362271m  | 3.050  | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 28.568 | 276 |     | 1213393  | 10.492 | ng/ul  | 97       |
| -----                         |        |     |     |          |        |        |          |

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

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BH648

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