

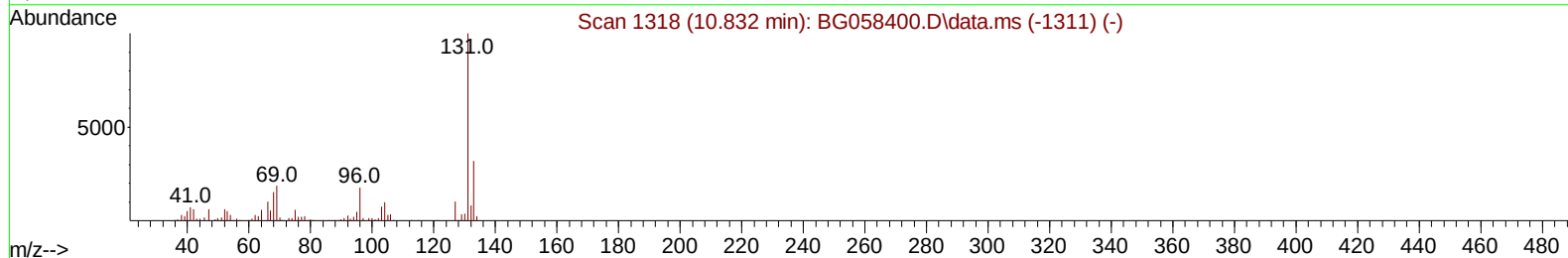
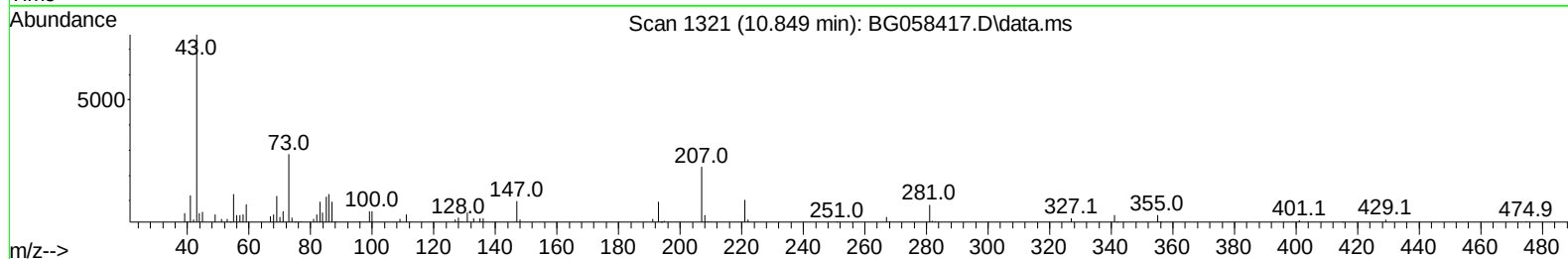
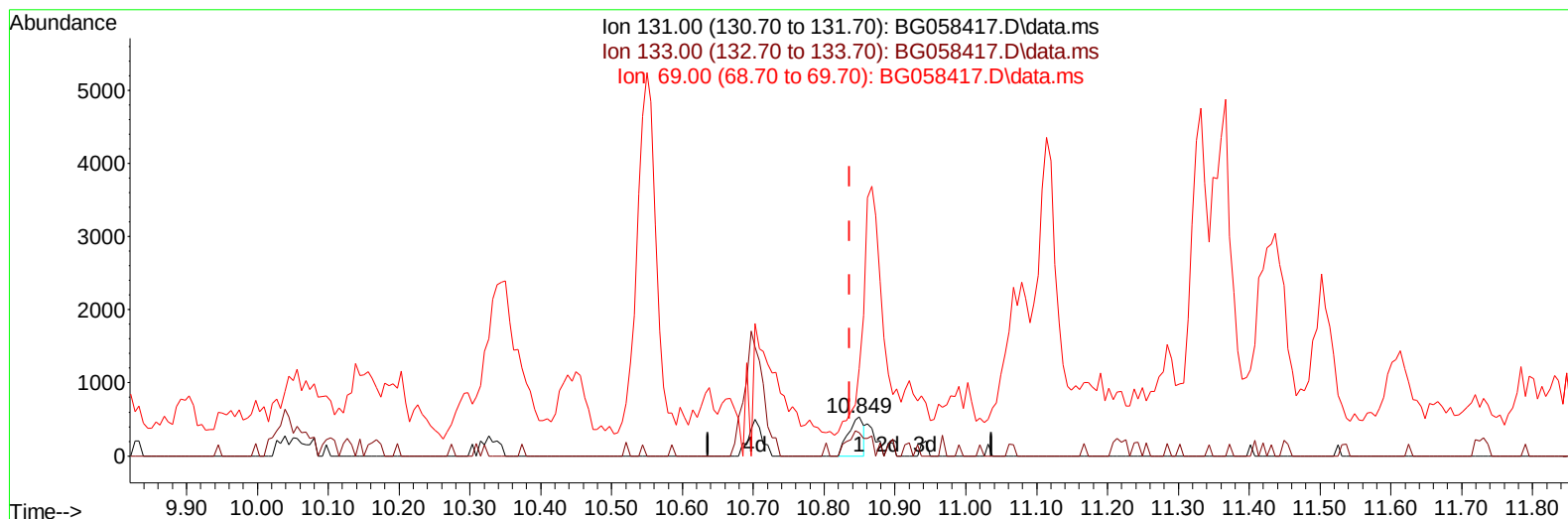
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
 Data File : BG058417.D  
 Acq On : 23 Jul 2023 2:29  
 Operator : CG/JU  
 Sample : 03504-09RE  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46W7RE

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:13:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.849min (+ 0.013) 0.10 ng/ul**

**response 798**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 131.00 | 100.00 | 100.00  |
| 133.00 | 31.90  | 59.18#  |
| 69.00  | 18.60  | 223.60# |
| 0.00   | 0.00   | 0.00    |

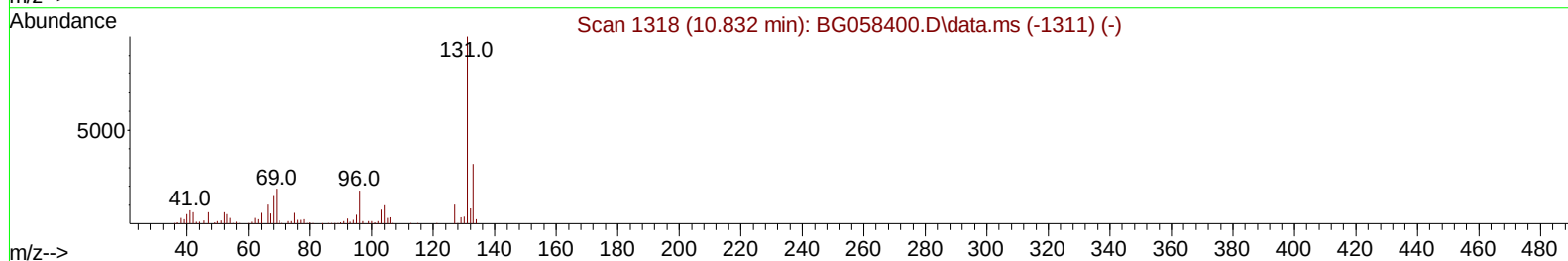
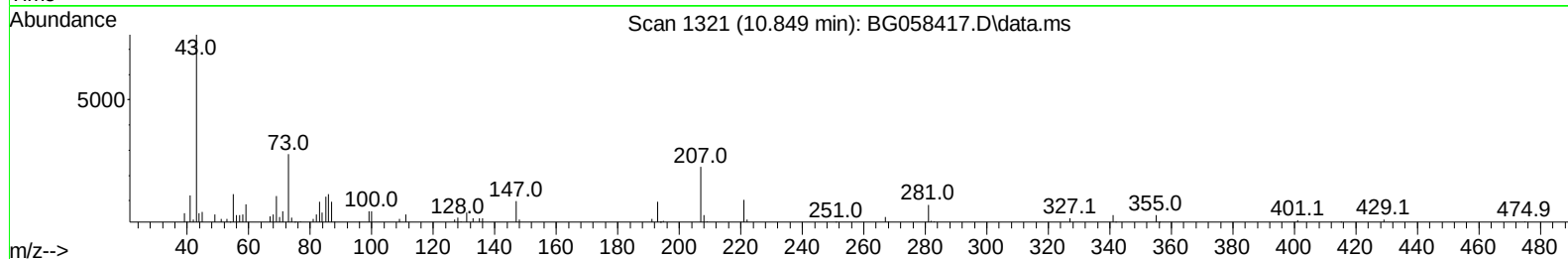
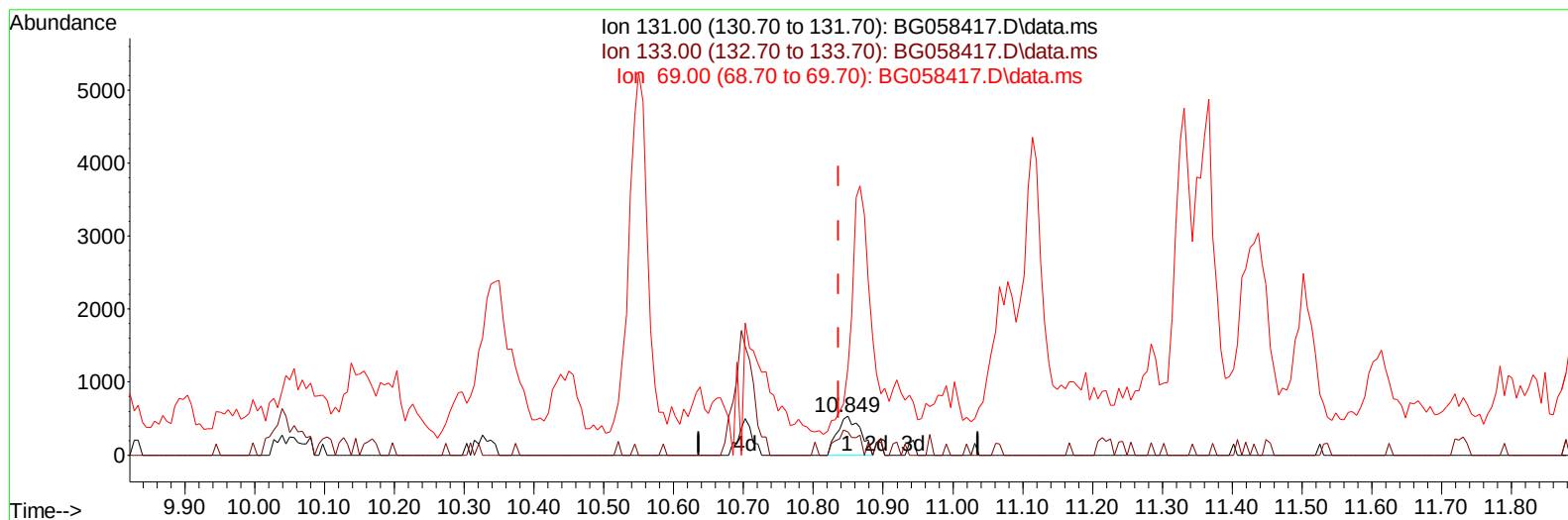
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Instrument :  
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Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

10.849min (+ 0.013) 0.15 ng/ul m

response 1225

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 131.00 | 100.00 | 100.00  |
| 133.00 | 31.90  | 59.18#  |
| 69.00  | 18.60  | 223.60# |
| 0.00   | 0.00   | 0.00    |

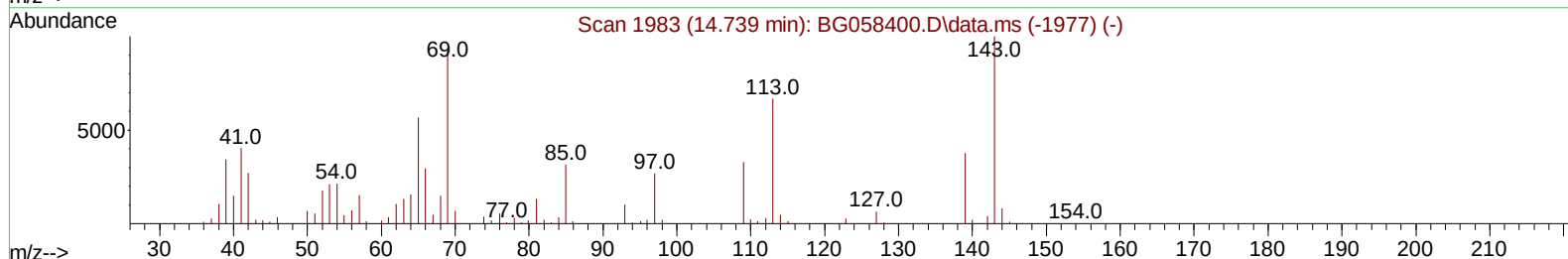
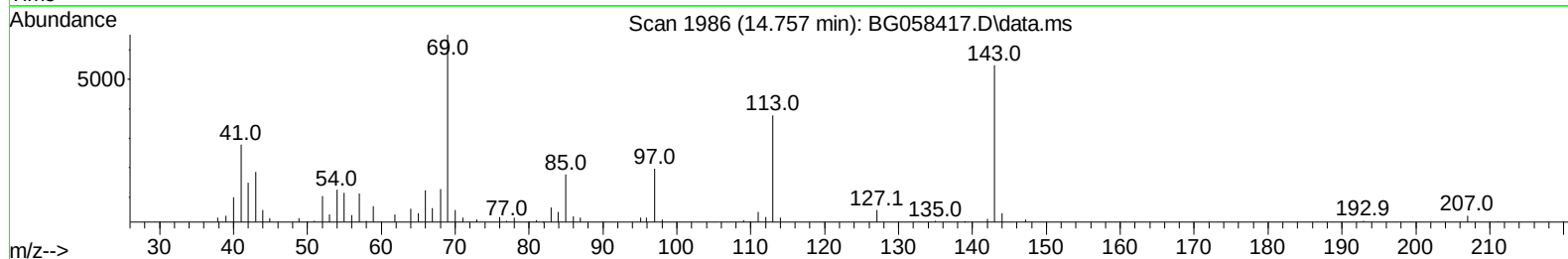
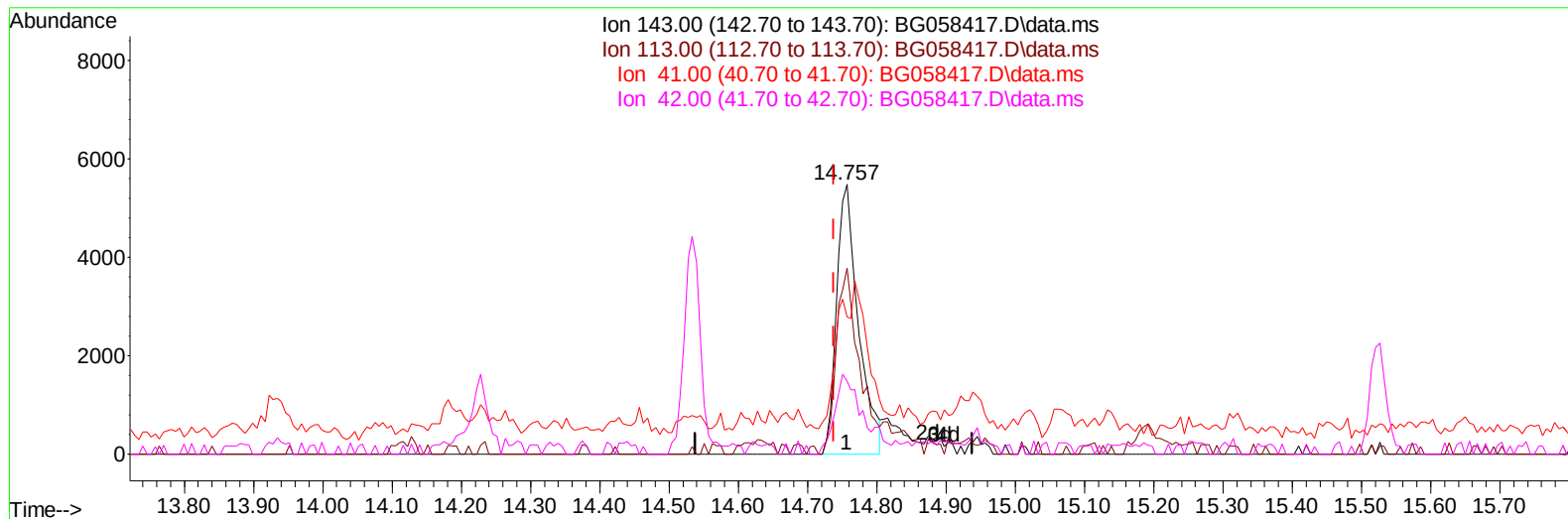
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
Data File : BG058417.D  
Acq On : 23 Jul 2023 2:29  
Operator : CG/JU  
Sample : 03504-09RE  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A46W7RE

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:13:53 2023  
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QLast Update : Tue Jul 18 02:19:39 2023  
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Reviewed By :Yogesh Patel 07/24/2023  
Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

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

**14.757min (+ 0.019) 4.54 ng/ul**

**response 11992**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 67.80  | 68.98  |
| 41.00  | 46.40  | 50.80  |
| 42.00  | 30.60  | 27.06  |

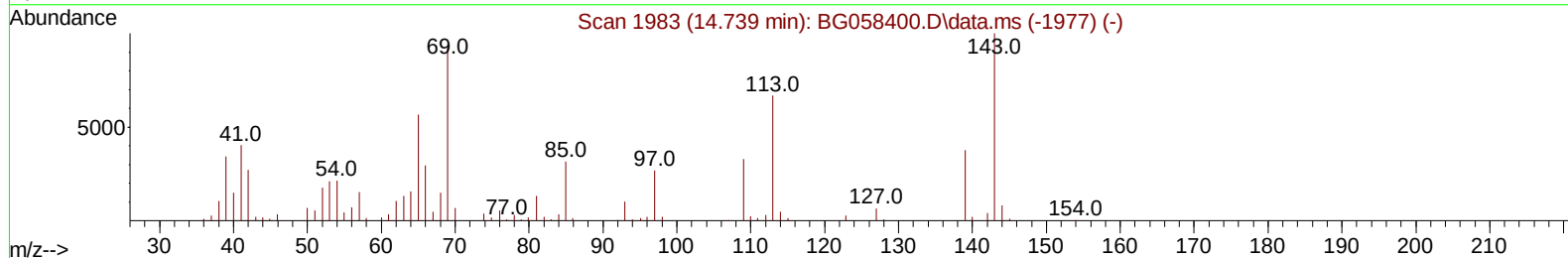
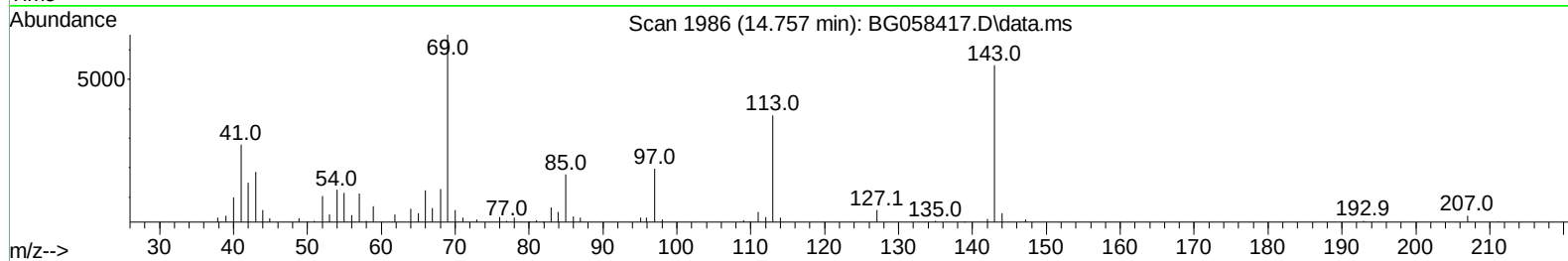
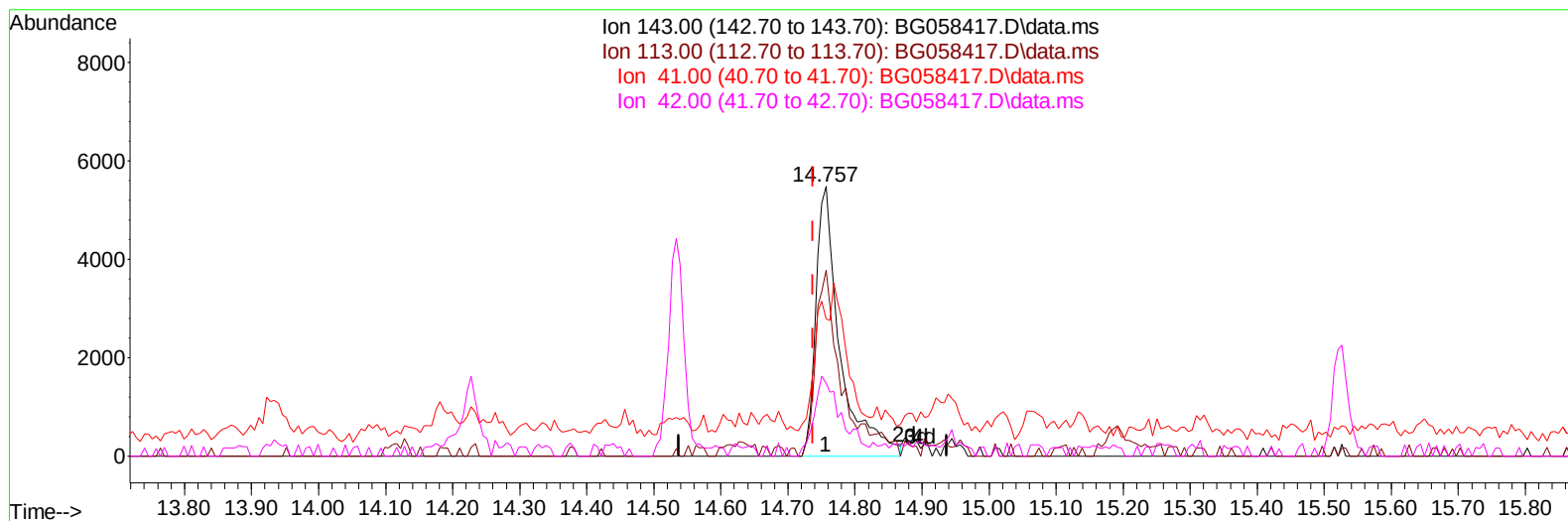
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
 Data File : BG058417.D  
 Acq On : 23 Jul 2023 2:29  
 Operator : CG/JU  
 Sample : 03504-09RE  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46W7RE

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:13:53 2023  
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 QLast Update : Tue Jul 18 02:19:39 2023  
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Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

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

**14.757min (+ 0.019) 5.19 ng/ul m**

**response 13691**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 67.80  | 68.98  |
| 41.00  | 46.40  | 50.80  |
| 42.00  | 30.60  | 27.06  |

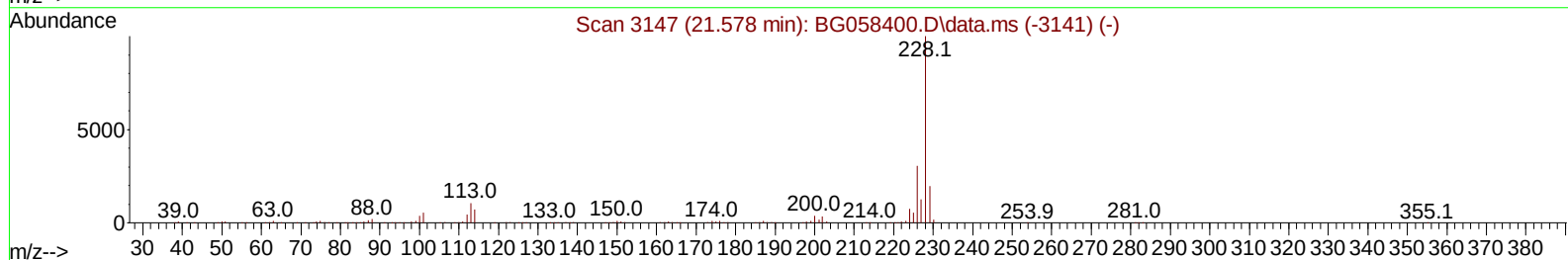
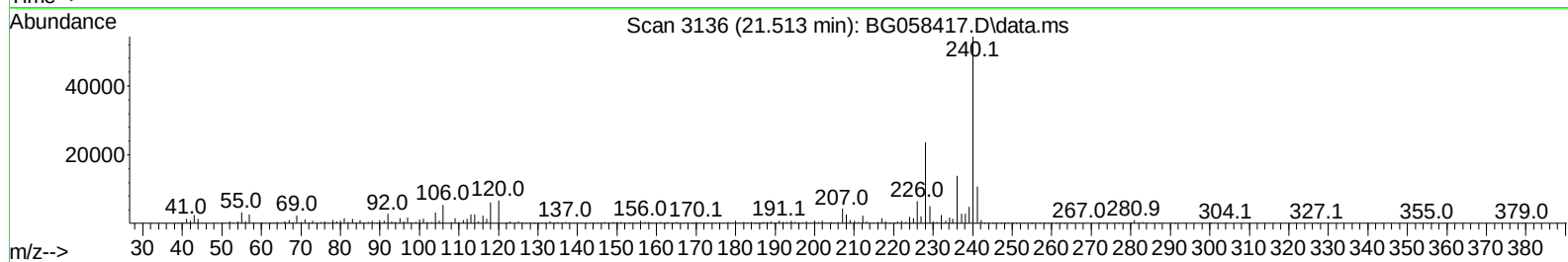
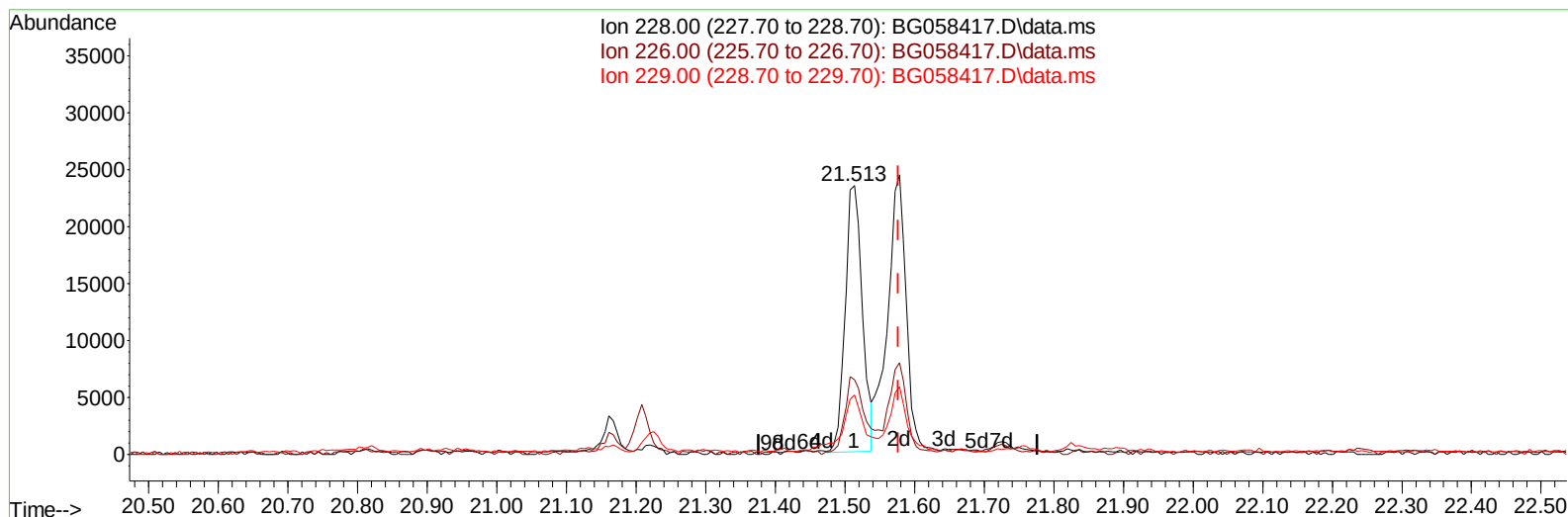
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
 Data File : BG058417.D  
 Acq On : 23 Jul 2023 2:29  
 Operator : CG/JU  
 Sample : 03504-09RE  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46W7RE

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:18:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

(87) Chrysene

21.513min (-0.063) 1.58 ng/u1

response 39970

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.00  | 27.76  |
| 229.00 | 19.80  | 22.07  |
| 0.00   | 0.00   | 0.00   |

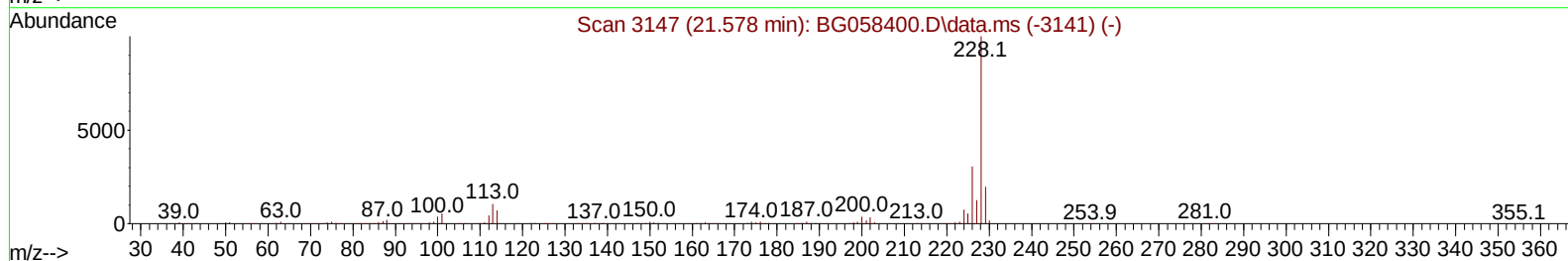
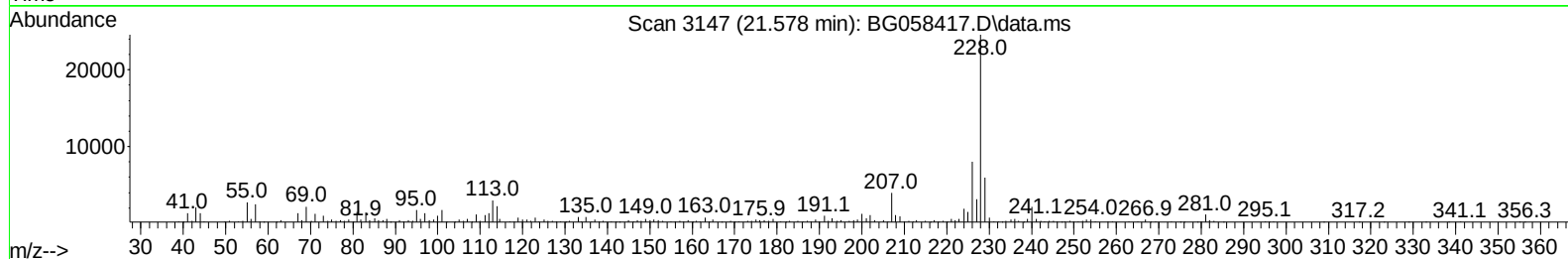
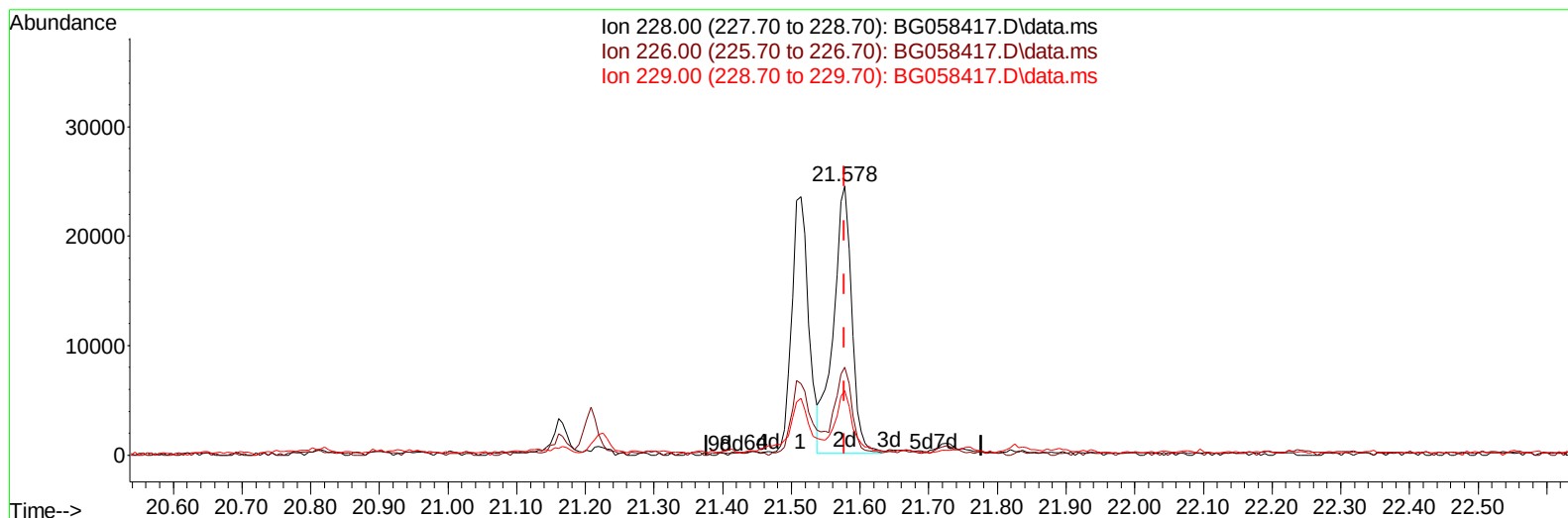
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
 Data File : BG058417.D  
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 Operator : CG/JU  
 Sample : 03504-09RE  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46W7RE

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:18:40 2023  
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 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

(87) Chrysene

21.578min (+ 0.001) 1.81 ng/ul m

response 45839

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.00  | 32.76  |
| 229.00 | 19.80  | 24.05# |
| 0.00   | 0.00   | 0.00   |

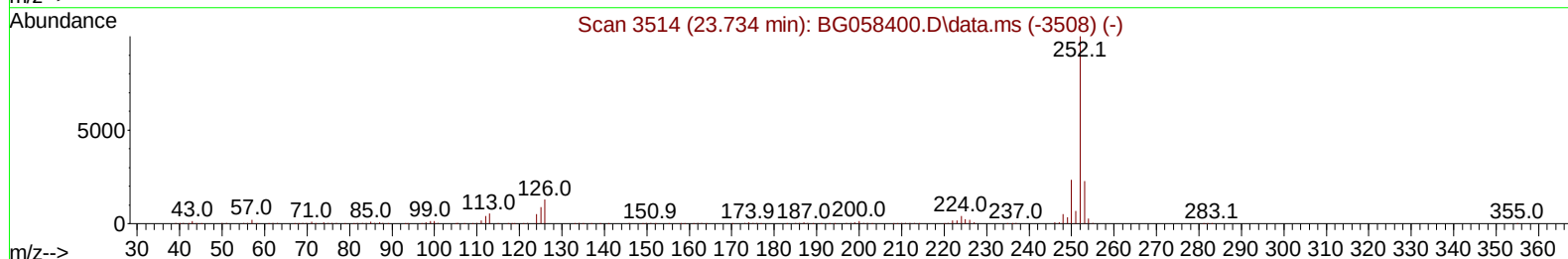
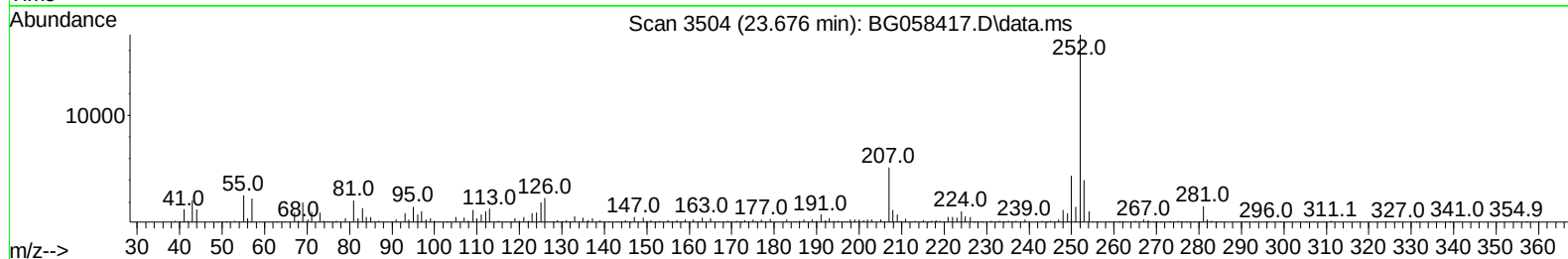
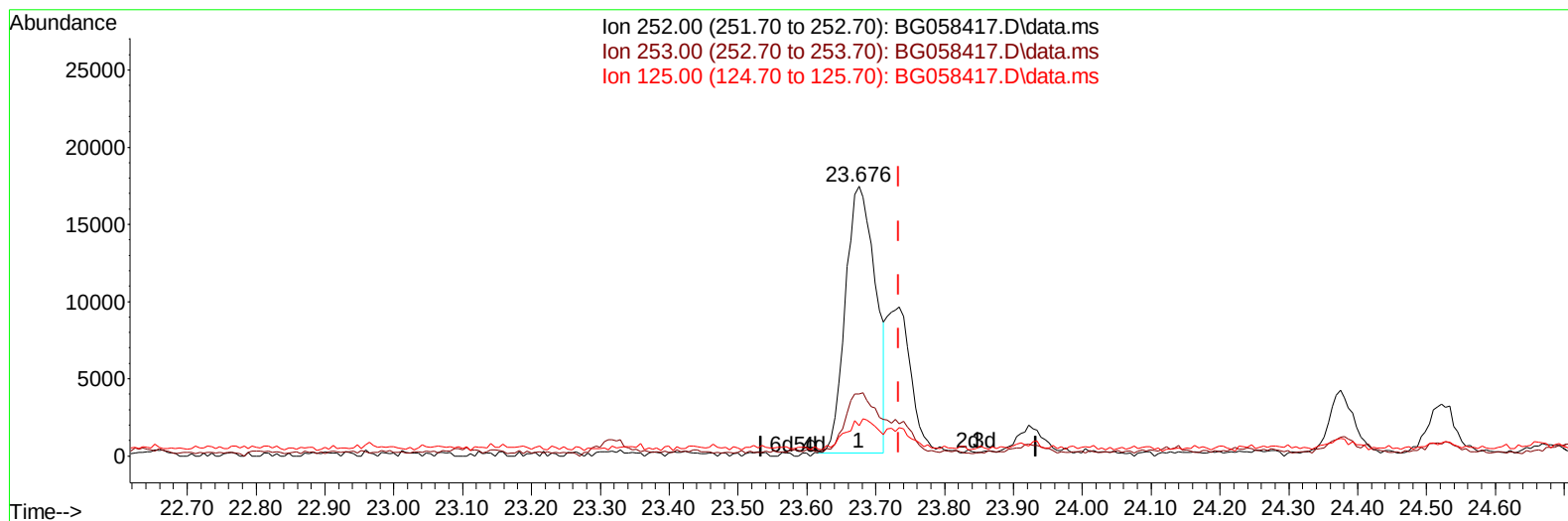
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
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 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46W7RE

Manual IntegrationsAPPROVED

Quant Time: Jul 23 03:18:40 2023  
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Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023



TIC: BG058417.D\data.ms

**(91) Benzo(k)fluoranthene**

23.676min (-0.058) 2.07 ng/u1

response 52466

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.90  | 22.96  |
| 125.00 | 9.20   | 11.27# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG072223\  
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 Operator : CG/JU  
 Sample : 03504-09RE  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A46W7RE

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/24/2023  
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 23 03:20:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG071723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 18 02:19:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.894  | 152  | 82346    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.697 | 136  | 352698   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.533 | 164  | 226685   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.277 | 188  | 485197   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.531 | 240  | 398011   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.674 | 264  | 438281   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.341  | 96   | 3303     | 1.476  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 70189    | 10.570 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.066  | 99   | 26363    | 3.375  | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.218  | 67   | 45849    | 9.391  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.430  | 132  | 24853    | 4.545  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.617  | 113  | 1900     | 0.319  | ng/ul  | 0.01     |
| 21) Nitrobenzene-d5           | 9.057  | 128  | 25959    | 9.819  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.780  | 143  | 26108    | 9.046  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.327 | 165  | 9467     | 1.711  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.849 | 131  | 1225m    | 0.153  | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.934 | 166  | 164034   | 9.384  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.228 | 160  | 166797   | 9.105  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.757 | 143  | 13691m   | 5.186  | ng/ul  | 0.02     |
| 60) Fluorene-d10              | 15.526 | 176  | 145098   | 10.026 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 2808     | 1.136  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.377 | 188  | 102862   | 4.906  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.669 | 212  | 192422   | 8.185  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.451 | 264  | 53342    | 2.518  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.717  | 105  | 13716    | 1.352  | ng/ul  | 96       |
| 72) Phenanthrene              | 17.324 | 178  | 45945    | 1.993  | ng/ul  | 96       |
| 80) Fluoranthene              | 19.334 | 202  | 105944   | 3.934  | ng/ul  | 97       |
| 82) Pyrene                    | 19.698 | 202  | 70331    | 2.577  | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.513 | 228  | 39830    | 1.489  | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.414 | 149  | 31597    | 2.067  | ng/ul# | 94       |
| 87) Chrysene                  | 21.578 | 228  | 45839m   | 1.806  | ng/ul  |          |
| 90) Benzo(b)fluoranthene      | 23.676 | 252  | 52466    | 2.069  | ng/ul# | 97       |
| -----                         |        |      |          |        |        |          |

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



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ALS Vial : 37 Sample Multiplier: 1

Instrument :  
BNA\_G  
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A46W7RE

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/24/2023  
Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 23 03:20:04 2023  
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