

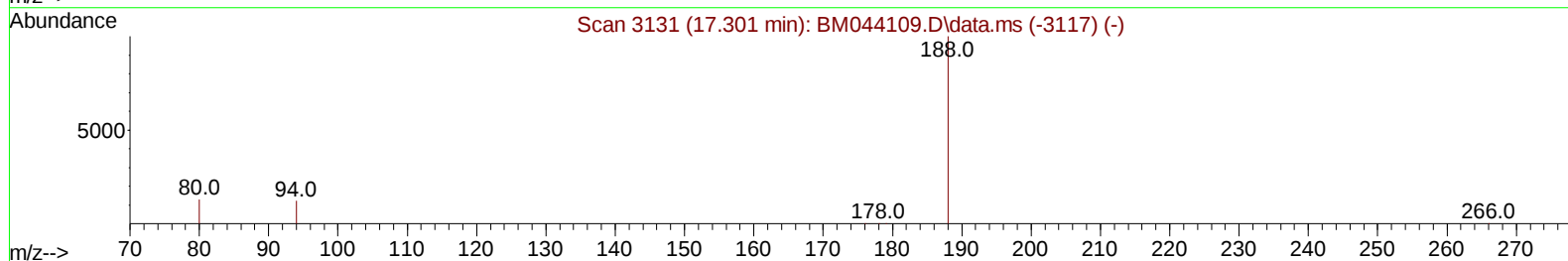
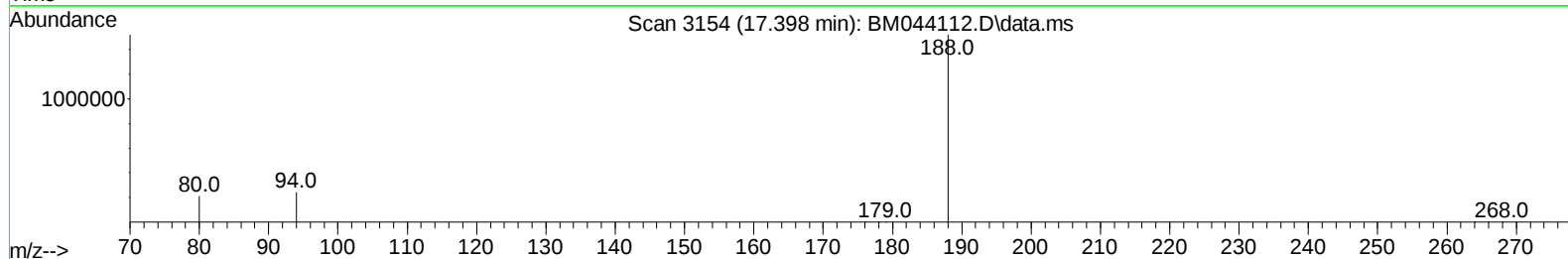
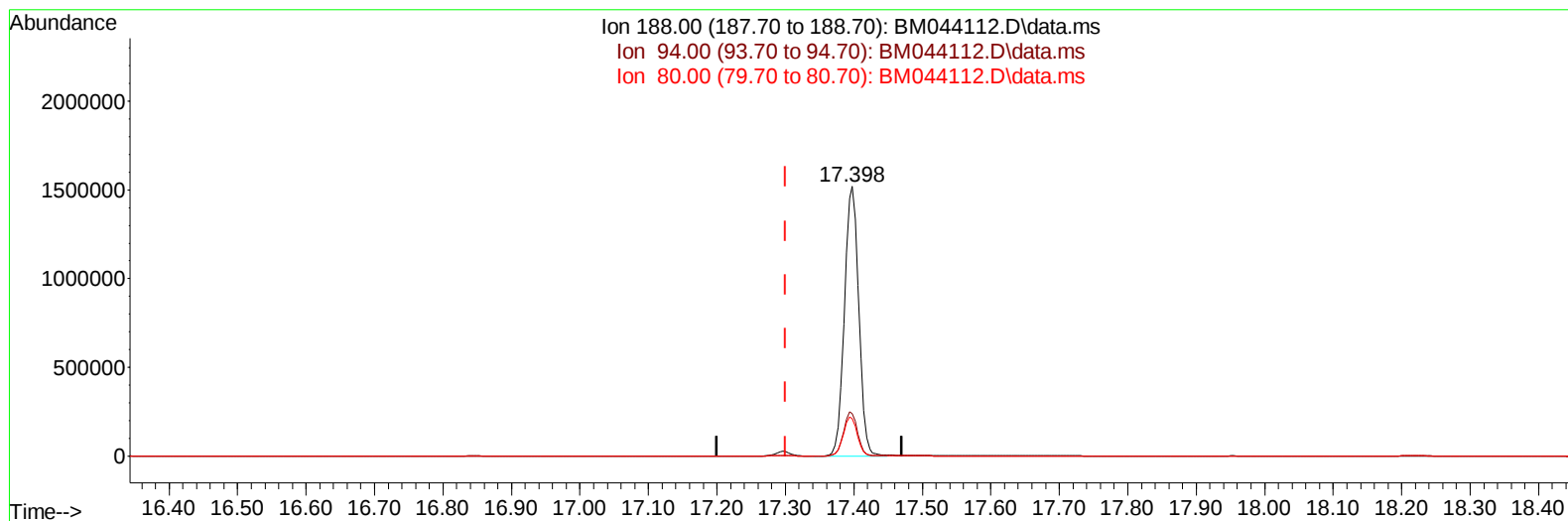
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
Data File : BM044112.D  
Acq On : 15 Feb 2024 22:11  
Operator : MA/JU  
Sample : P1329-09  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0FL8

Manual IntegrationsAPPROVED

Quant Time: Feb 17 02:27:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM021524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 15 13:40:24 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024



TIC: BM044112.D\data.ms

(13) Phenanthrene-d10 (I)

17.398min (+ 0.097) 0.40 ng/u1

response 2226047

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 15.80# |
| 80.00  | 13.40  | 13.77  |
| 0.00   | 0.00   | 0.00   |

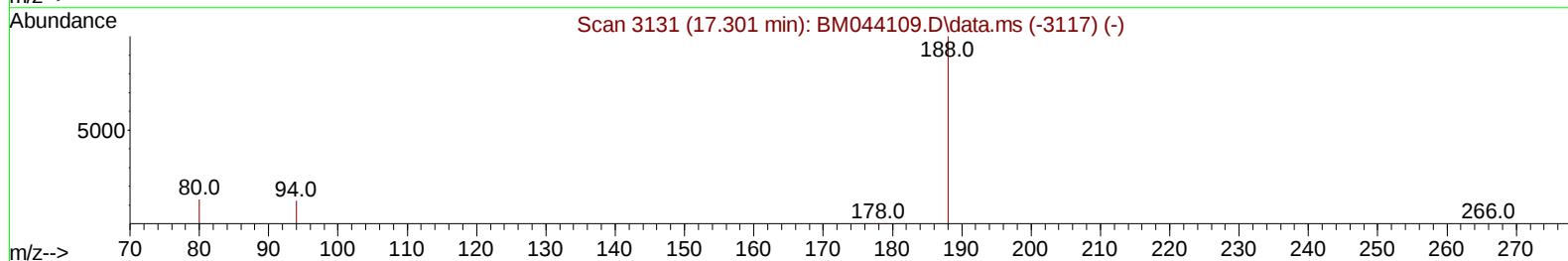
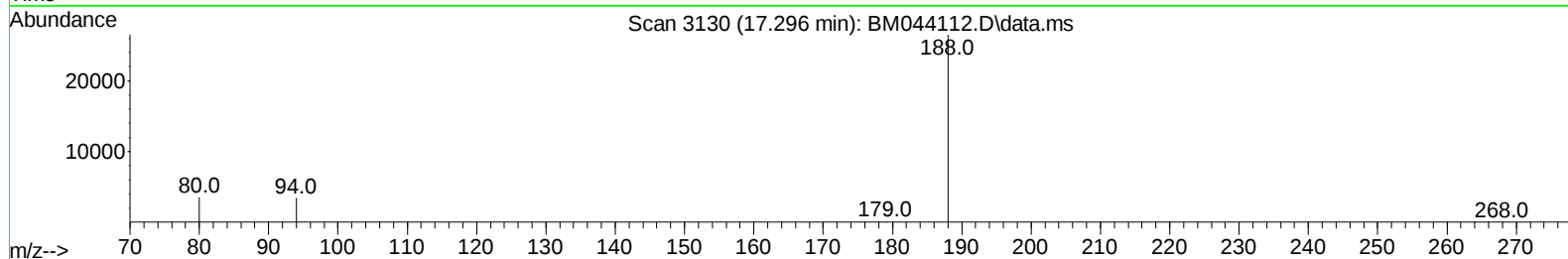
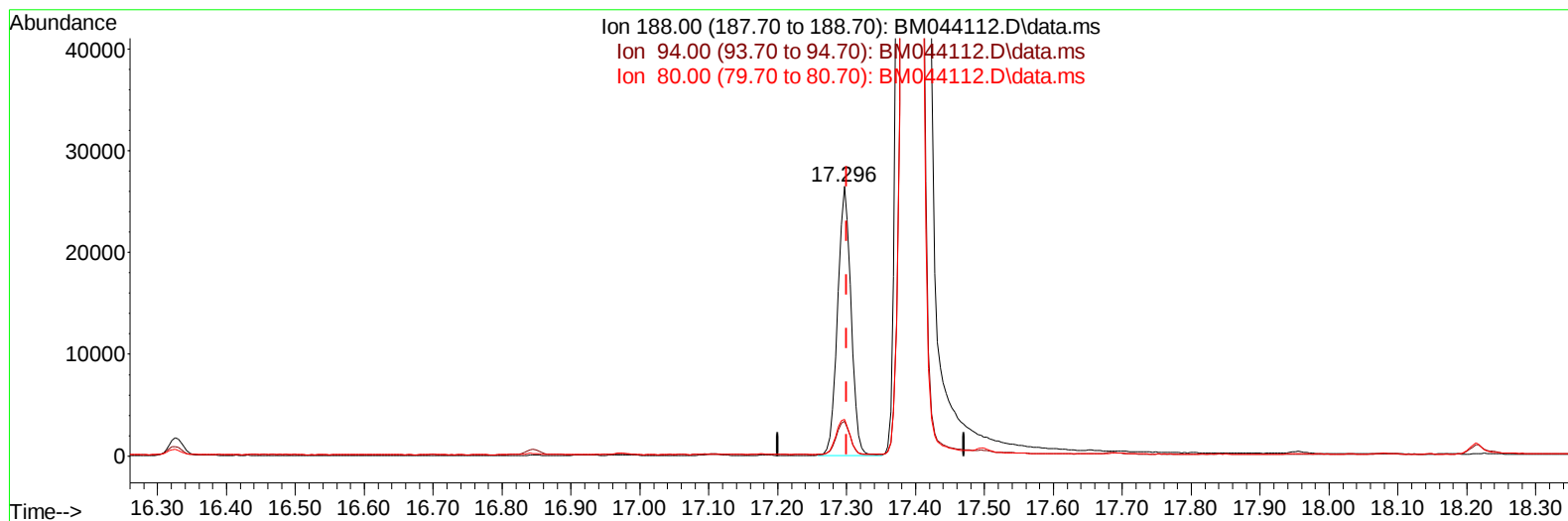
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TIC: BM044112.D\data.ms

**(13) Phenanthrene-d10 (I)**

17.296min (-0.004) 0.40 ng/ul m

response 35559

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.40  | 12.98  |
| 80.00  | 13.40  | 13.56  |
| 0.00   | 0.00   | 0.00   |

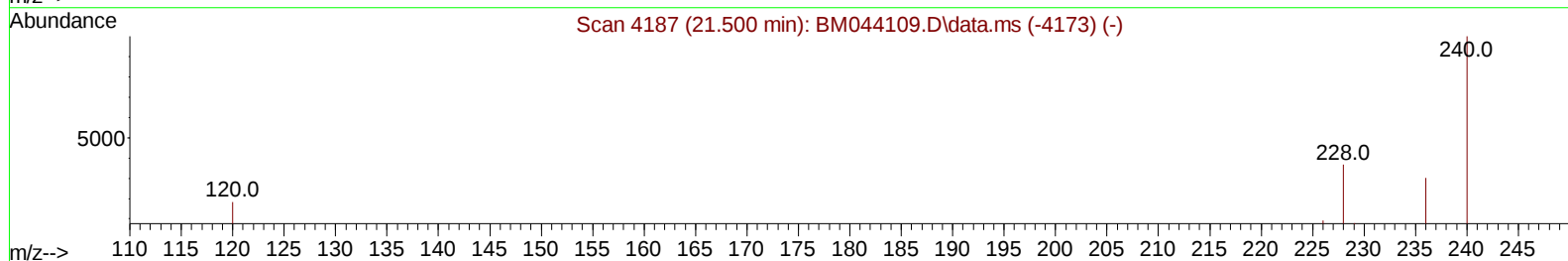
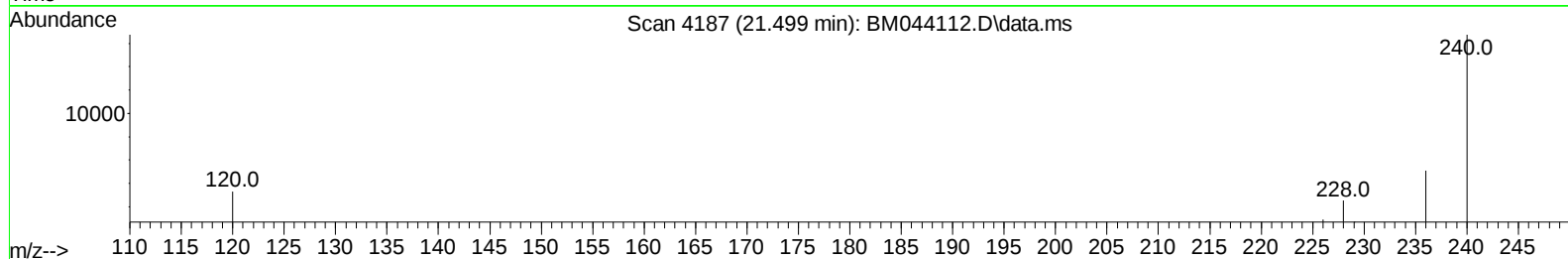
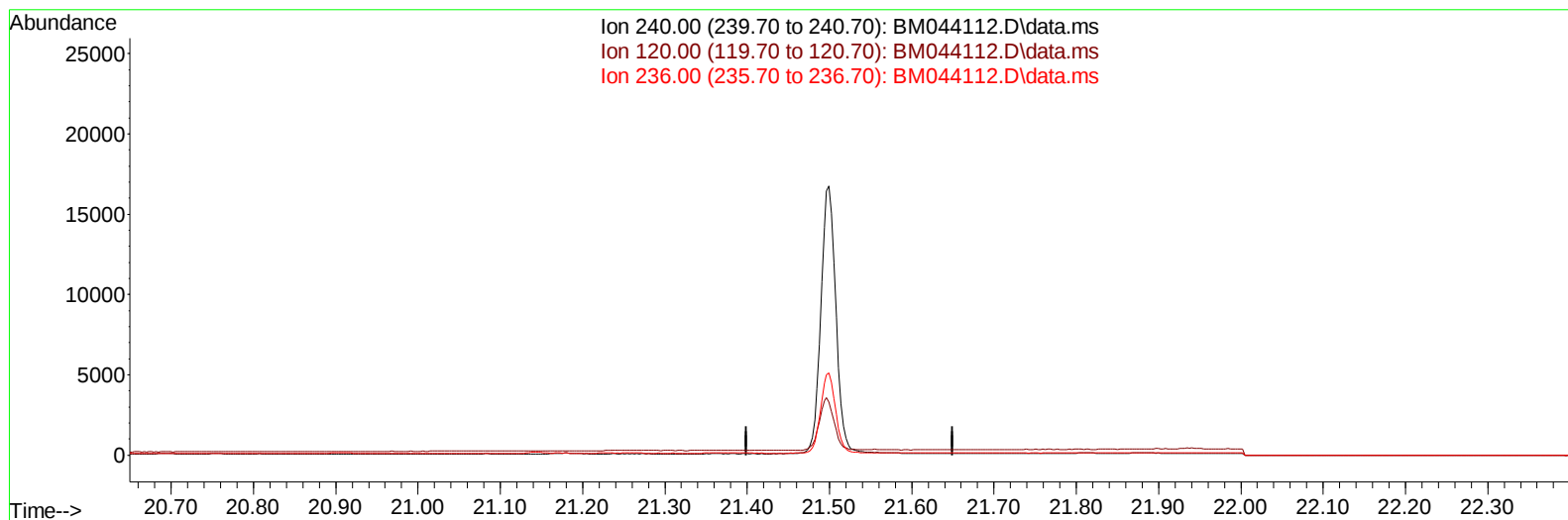
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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(17) Chrysene-d12

21.500min (-21.500) 0.00 ng/u1

response 0

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 240.00 | 100.00 | 0.00  |
| 120.00 | 20.50  | 0.00# |
| 236.00 | 30.60  | 0.00# |
| 0.00   | 0.00   | 0.00  |

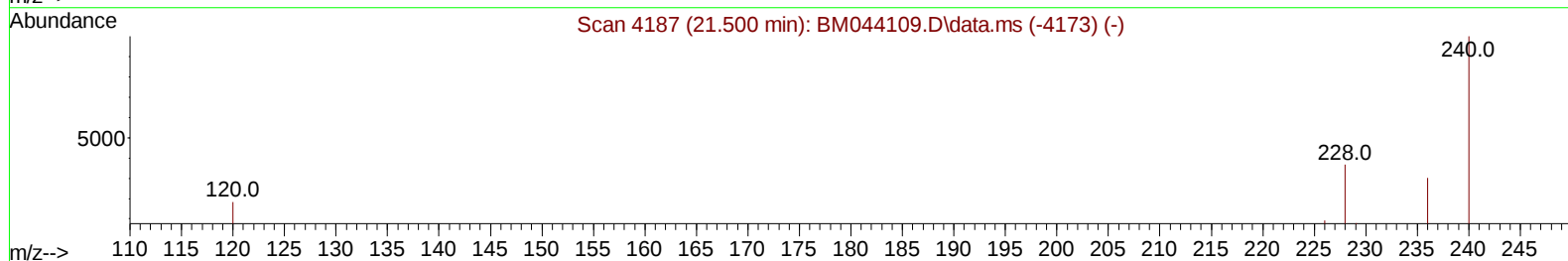
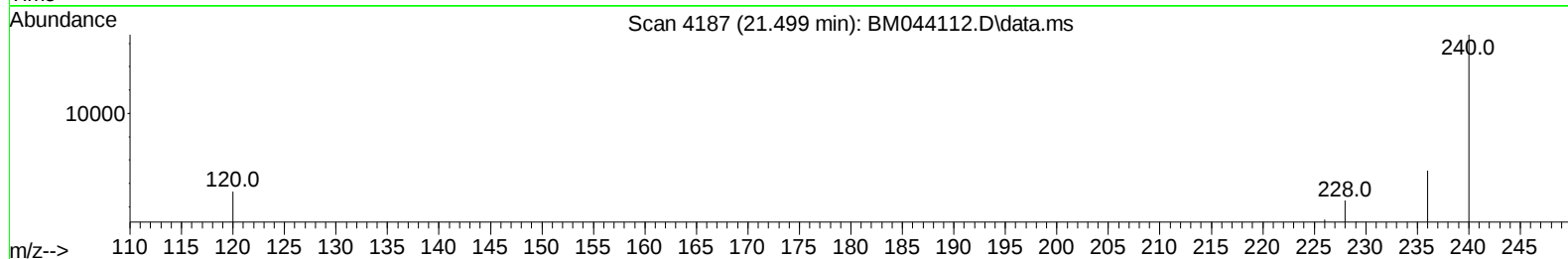
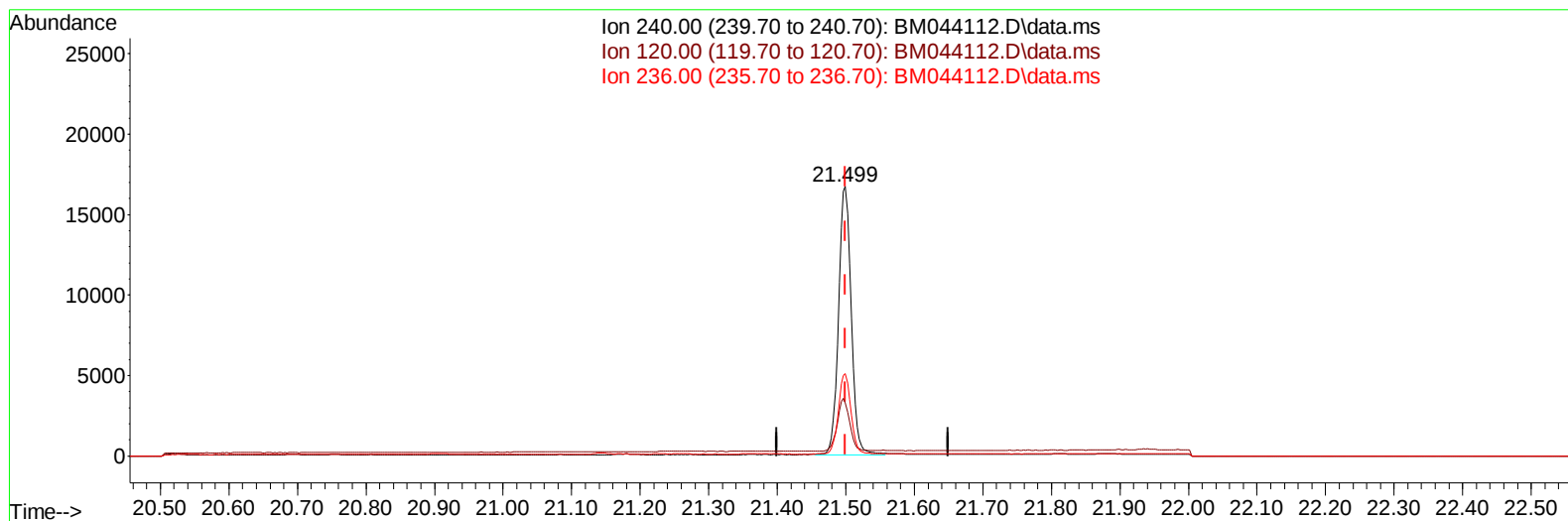
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
Data File : BM044112.D  
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Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Manual IntegrationsAPPROVED

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TIC: BM044112.D\data.ms

(17) Chrysene-d12

21.499min (-0.000) 0.40 ng/ul m

response 21371

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 20.50  | 19.70  |
| 236.00 | 30.60  | 30.52  |
| 0.00   | 0.00   | 0.00   |

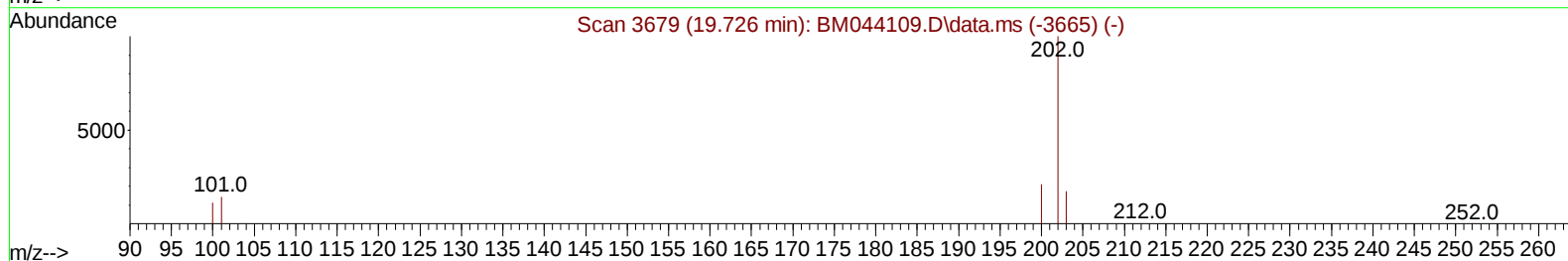
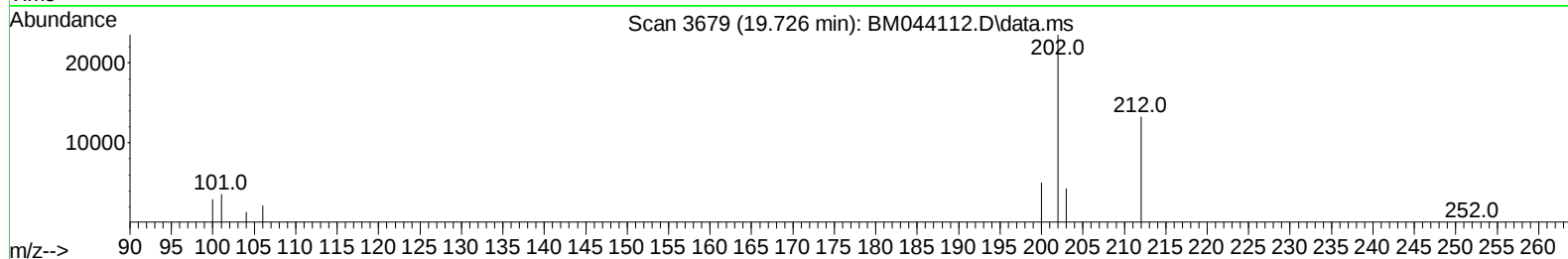
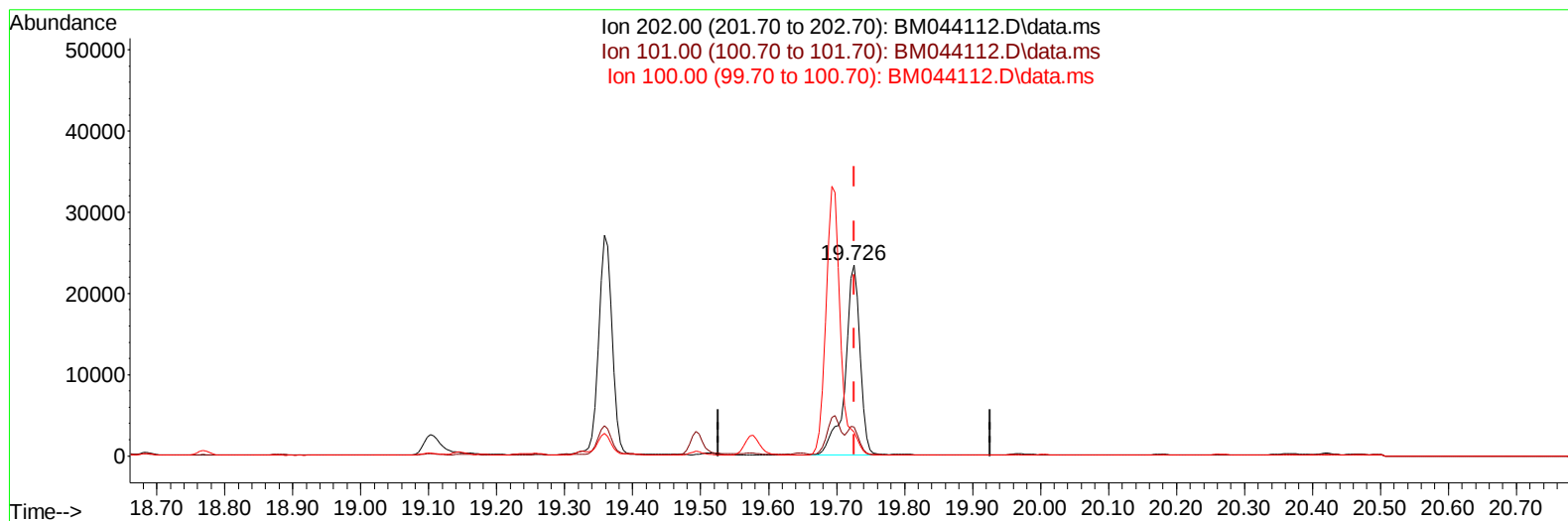
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
Data File : BM044112.D  
Acq On : 15 Feb 2024 22:11  
Operator : MA/JU  
Sample : P1329-09  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0FL8

## Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/17/2024  
Supervised By :mohammad ahmed 02/19/2024

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TIC: BM044112.D\data.ms

## (20) Pyrene

19.726min (-0.000) 0.34 ng/u1

response 35266

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.00  | 15.11  |
| 100.00 | 10.80  | 12.49  |
| 0.00   | 0.00   | 0.00   |

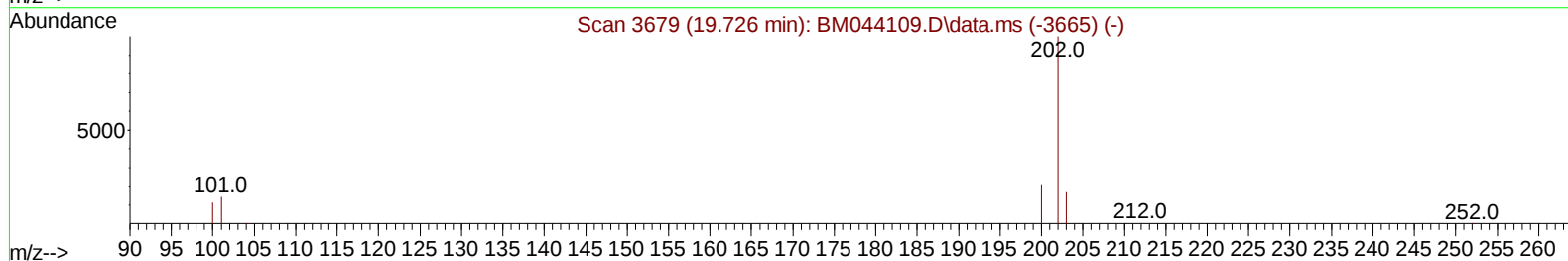
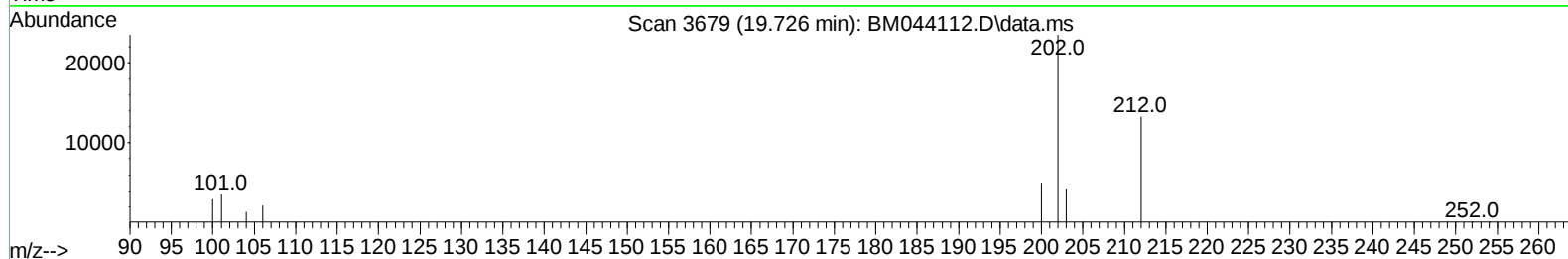
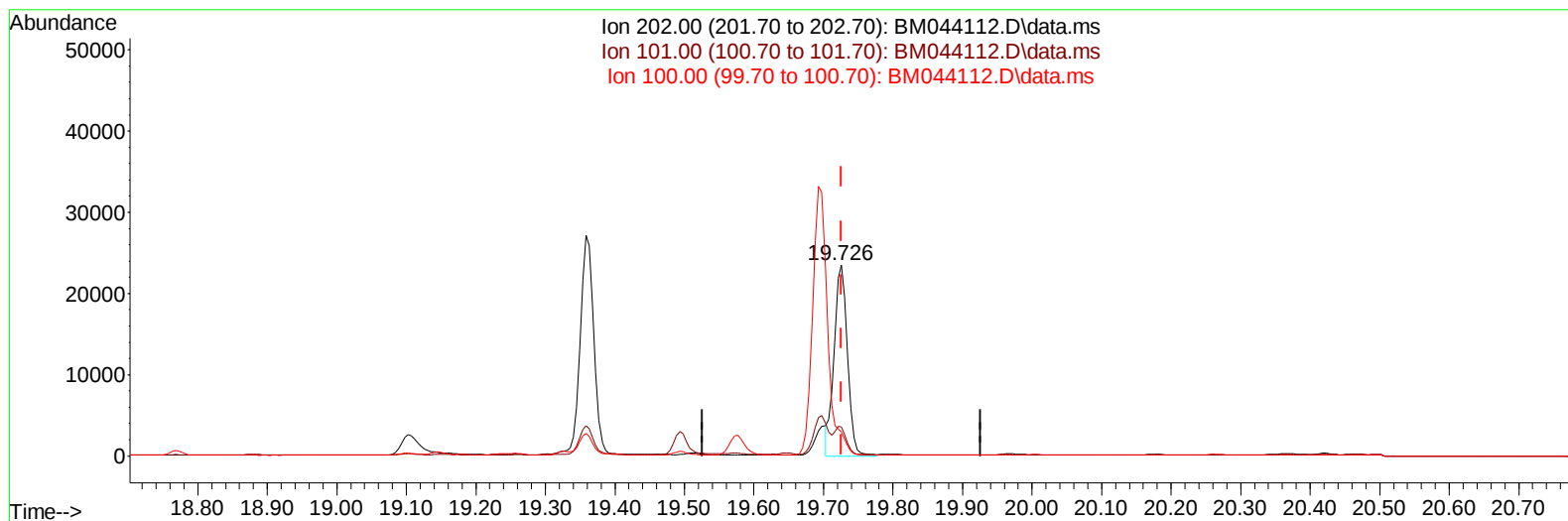
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
Data File : BM044112.D  
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Sample : P1329-09  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0FL8

## Manual IntegrationsAPPROVED

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TIC: BM044112.D\data.ms

## (20) Pyrene

19.726min (-0.000) 0.31 ng/u1 m

response 31945

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 14.00  | 15.11  |
| 100.00 | 10.80  | 12.49  |
| 0.00   | 0.00   | 0.00   |

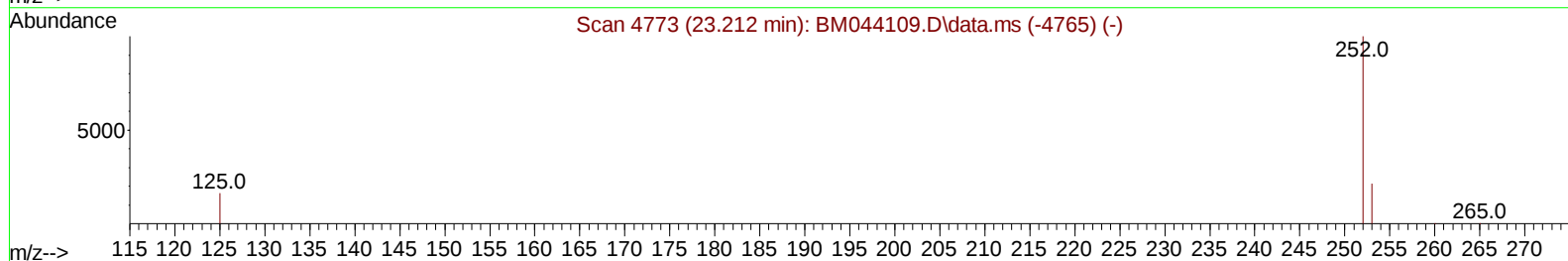
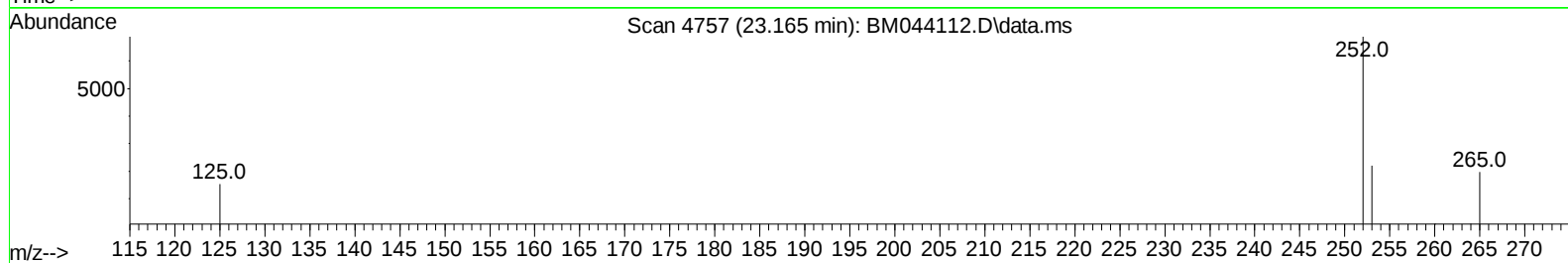
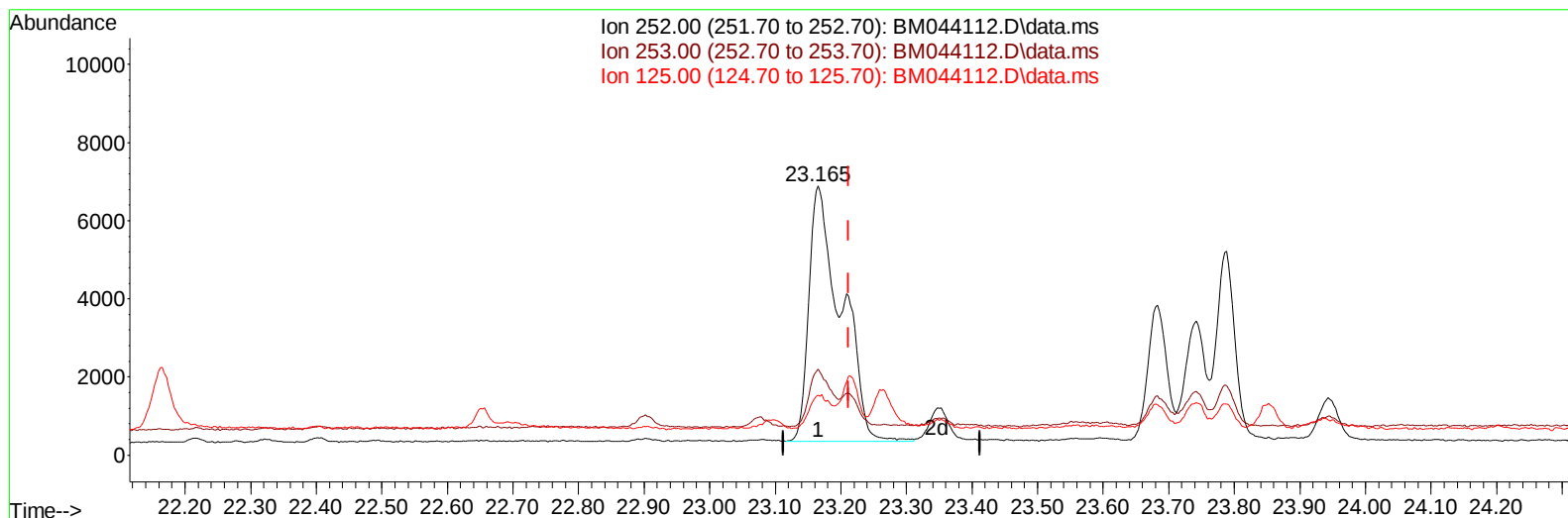
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Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0FL8

Manual IntegrationsAPPROVED

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TIC: BM044112.D\data.ms

(25) Benzo(k)fluoranthene

23.165min (-0.047) 0.21 ng/u1

response 22353

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.10  | 32.05# |
| 125.00 | 15.40  | 22.25# |
| 0.00   | 0.00   | 0.00   |

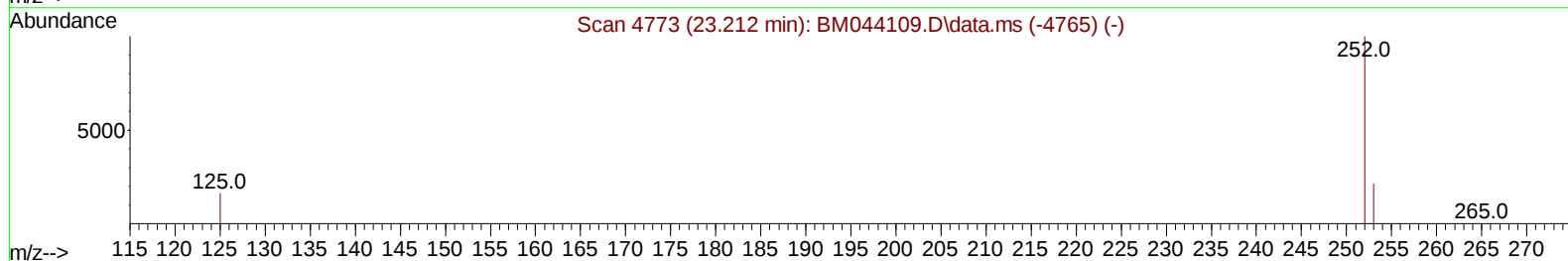
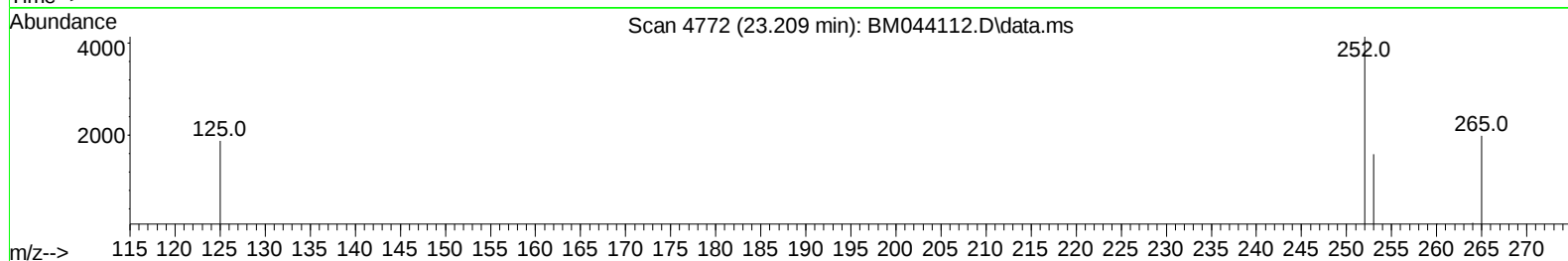
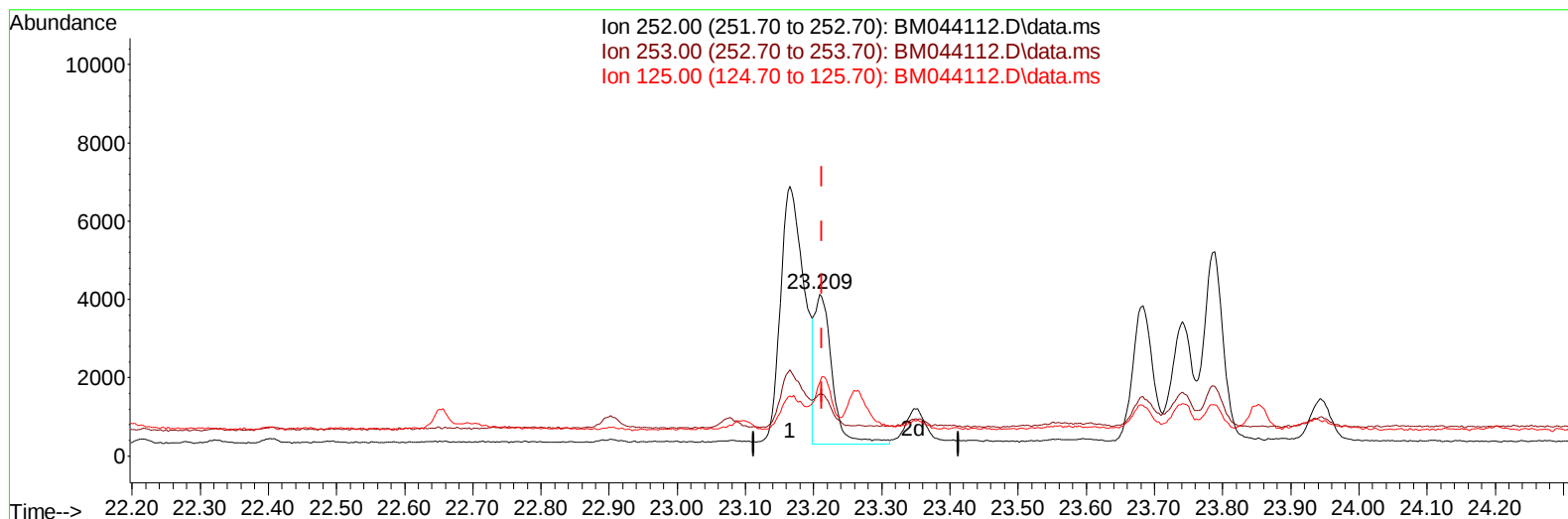
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Data File : BM044112.D  
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Operator : MA/JU  
Sample : P1329-09  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0FL8

Manual IntegrationsAPPROVED

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TIC: BM044112.D\data.ms

(25) Benzo(k)fluoranthene

23.209min (-0.003) 0.06 ng/u1 m

response 6885

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.10  | 38.42# |
| 125.00 | 15.40  | 45.46# |
| 0.00   | 0.00   | 0.00   |

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 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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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   | 7.905  | 152 |     | 10255    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.705 | 136 |     | 33477    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.543 | 164 |     | 17077    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.296 | 188 |     | 35559m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.499 | 240 |     | 21371m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.890 | 264 |     | 24021    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |     |     |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.352  | 96  |     | 77537    | 5.339 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.294 | 152 |     | 15653    | 0.334 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.331 | 212 |     | 29089    | 0.456 | ng/ul  | 0.00     |
| Target Compounds            |        |     |     |          |       |        |          |
|                             |        |     |     |          |       |        | Qvalue   |
| 14) Pentachlorophenol       | 16.942 | 266 |     | 389      | 0.031 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.339 | 178 |     | 9287     | 0.082 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.358 | 202 |     | 37307    | 0.383 | ng/ul  | 96       |
| 20) Pyrene                  | 19.726 | 202 |     | 31945m   | 0.312 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.482 | 228 |     | 15234    | 0.156 | ng/ul  | 97       |
| 22) Chrysene                | 21.534 | 228 |     | 15310    | 0.145 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.165 | 252 |     | 15770    | 0.159 | ng/ul  | 84       |
| 25) Benzo(k)fluoranthene    | 23.209 | 252 |     | 6885m    | 0.064 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.788 | 252 |     | 9289     | 0.101 | ng/ul# | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.366 | 276 |     | 4997     | 0.043 | ng/ul# | 97       |
| 29) Benzo(g,h,i)perylene    | 27.127 | 276 |     | 4660     | 0.045 | ng/ul# | 86       |
| -----                       |        |     |     |          |       |        |          |

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

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