

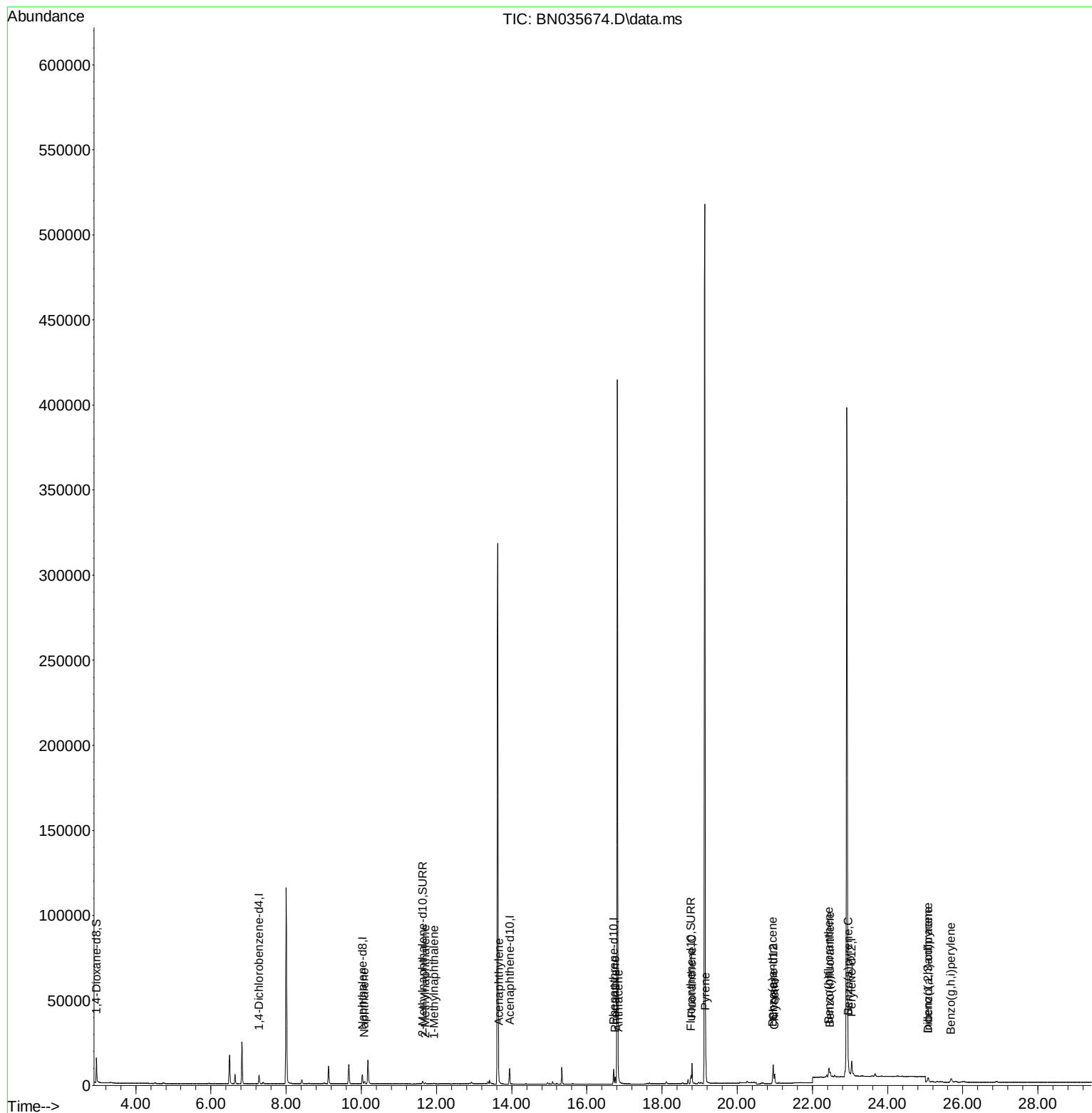
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035674.D  
Acq On : 18 Dec 2024 17:31  
Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

## Manual IntegrationsAPPROVED

Quant Time: Dec 19 00:54:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN121624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 16:26:08 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



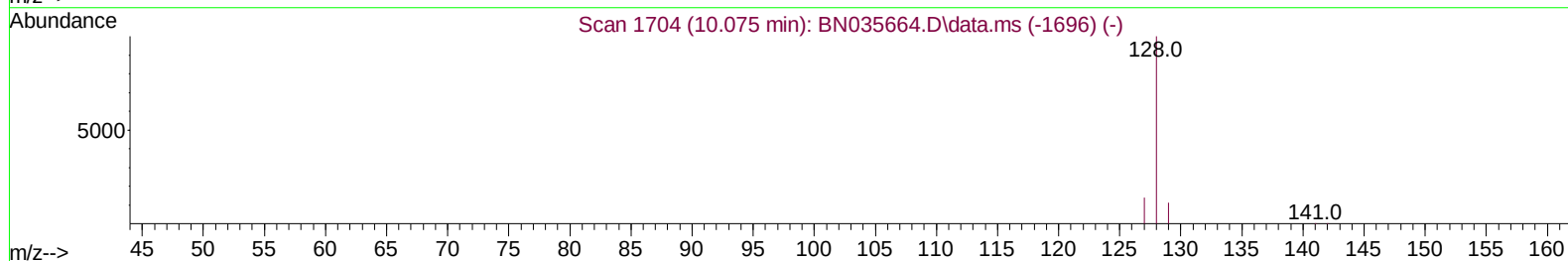
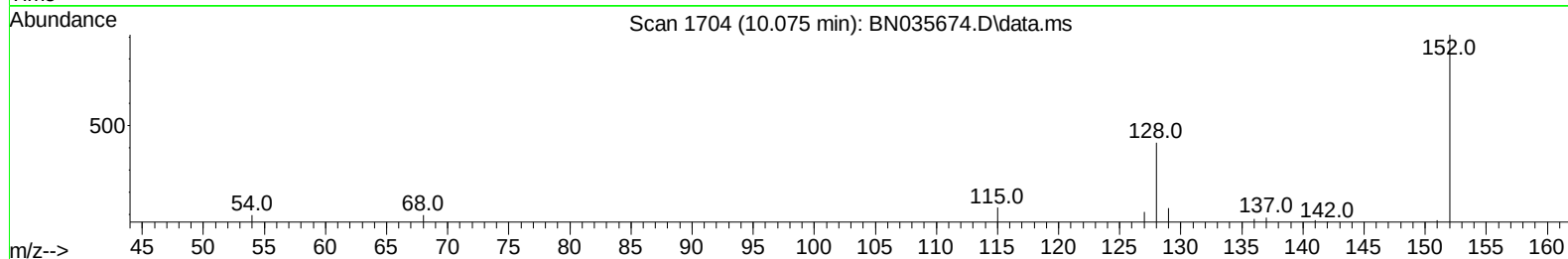
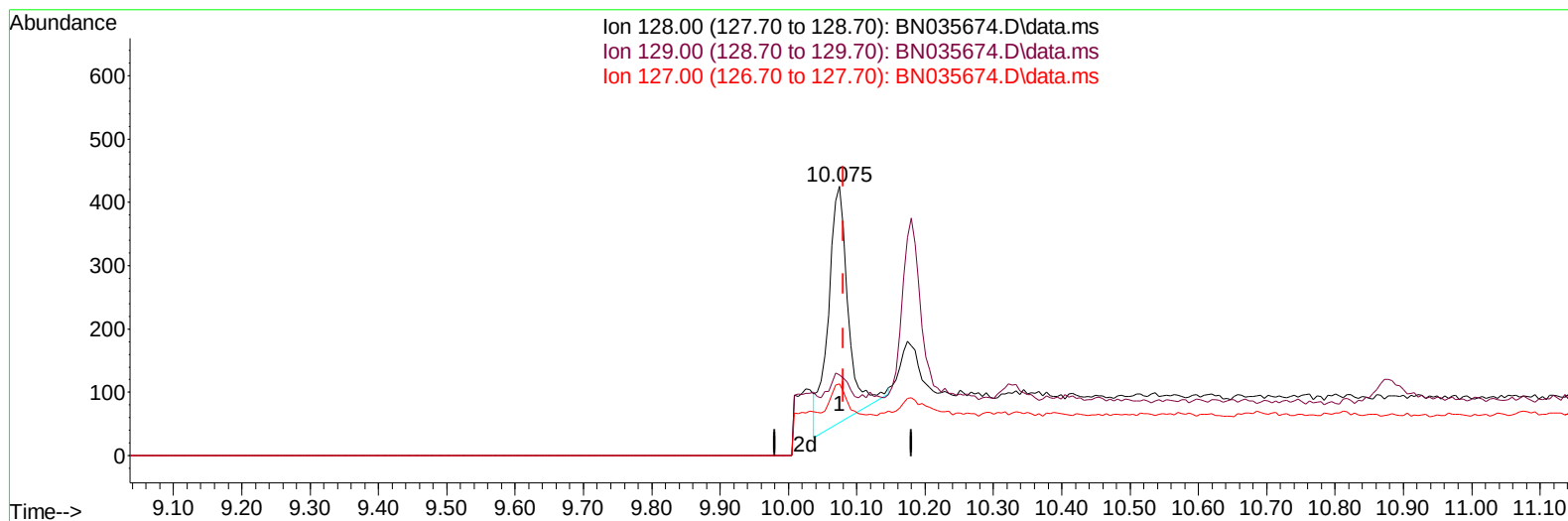
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TIC: BN035674.D\data.ms

## (5) Naphthalene

10.075min (-0.005) 0.04 ng/u1

response 762

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 129.00 | 13.50  | 30.12# |
| 127.00 | 15.00  | 26.59# |
| 0.00   | 0.00   | 0.00   |

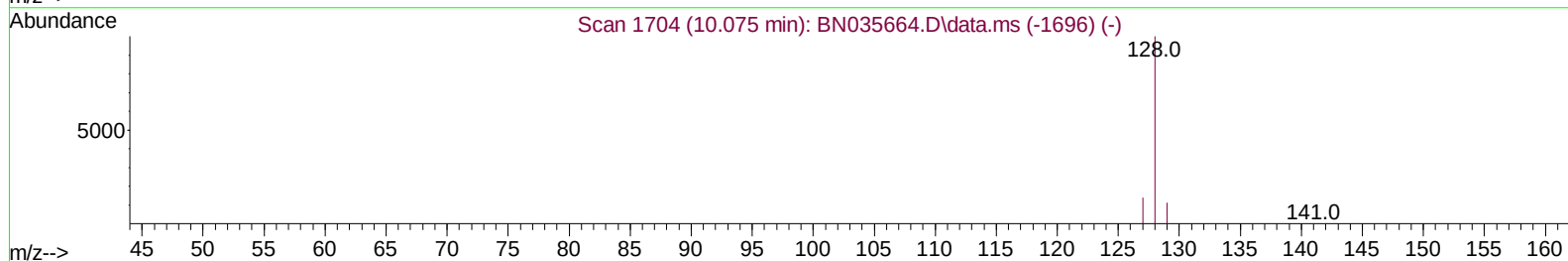
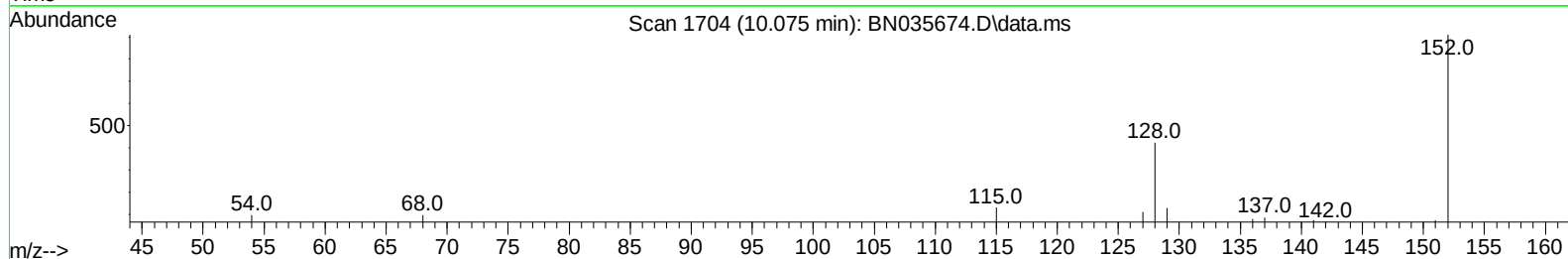
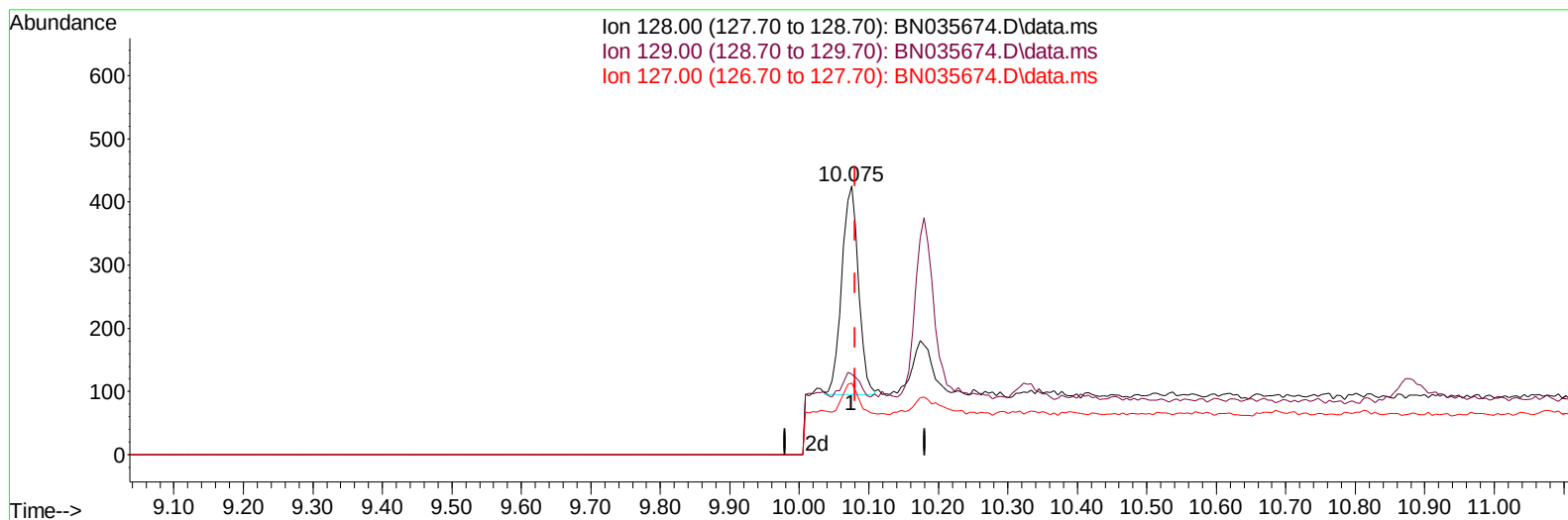
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
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Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

## Manual IntegrationsAPPROVED

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TIC: BN035674.D\data.ms

## (5) Naphthalene

10.075min (-0.005) 0.03 ng/ul m

response 539

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 129.00 | 13.50  | 30.12# |
| 127.00 | 15.00  | 26.59# |
| 0.00   | 0.00   | 0.00   |

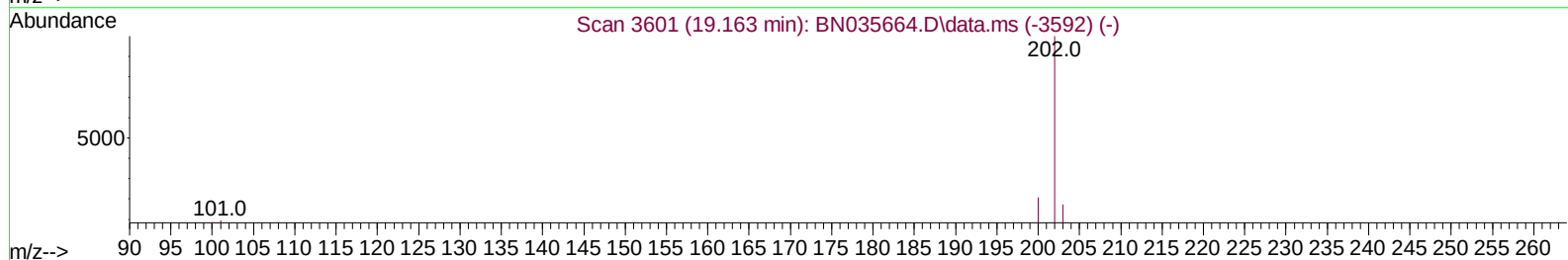
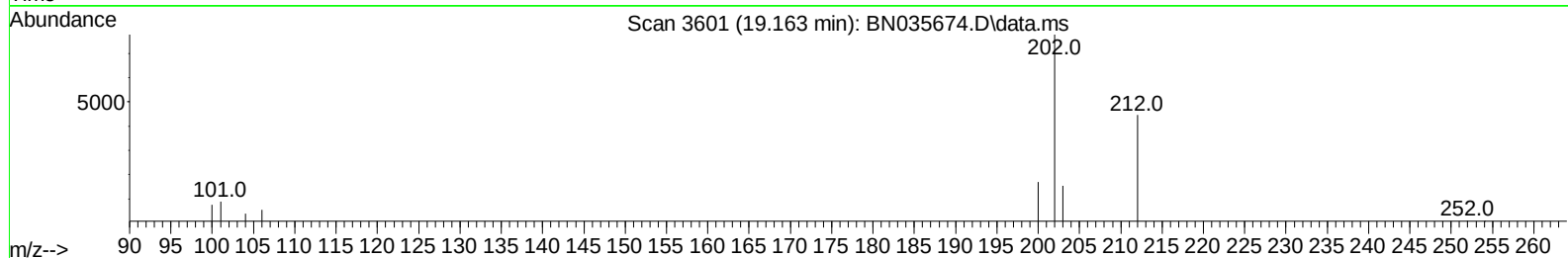
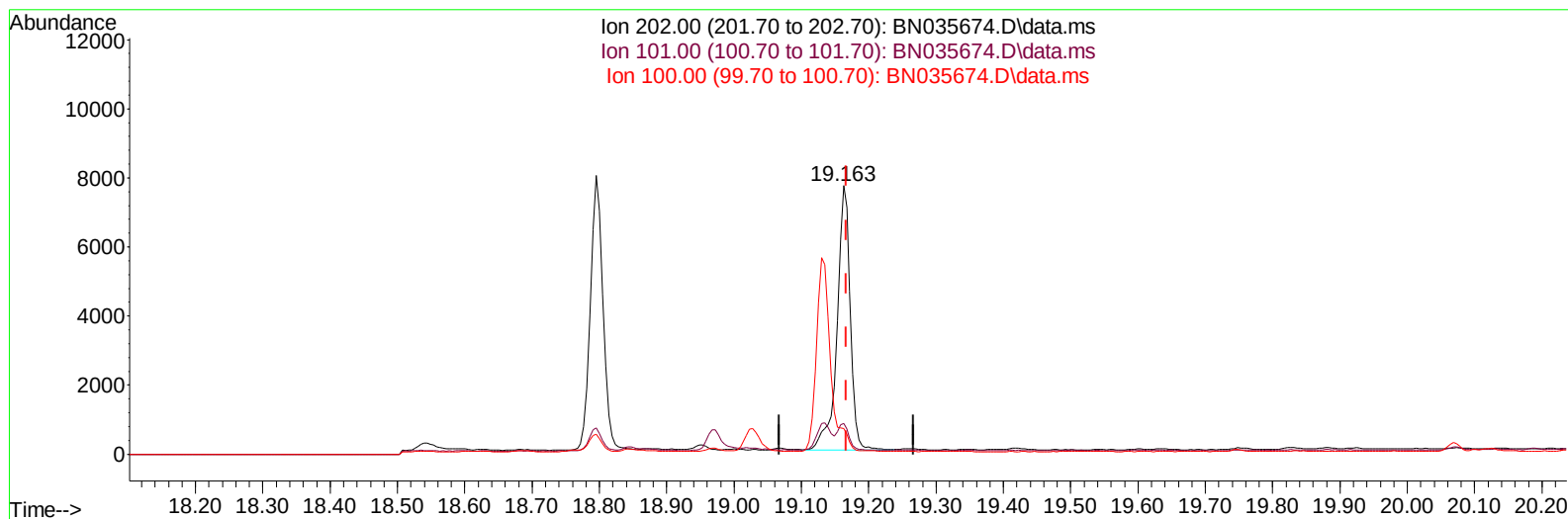
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
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E28Y3

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TIC: BN035674.D\data.ms

## (20) Pyrene

19.163min (-0.005) 0.29 ng/u1

response 10622

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 10.60  | 11.53  |
| 100.00 | 8.10   | 9.66   |
| 0.00   | 0.00   | 0.00   |

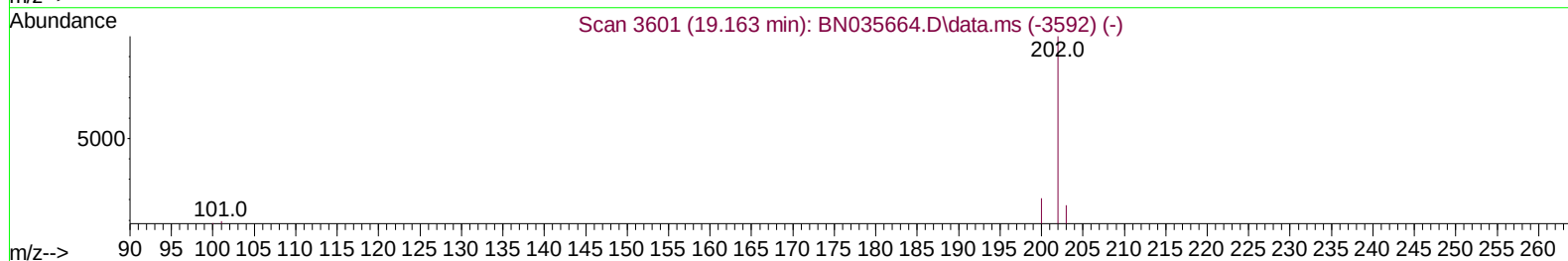
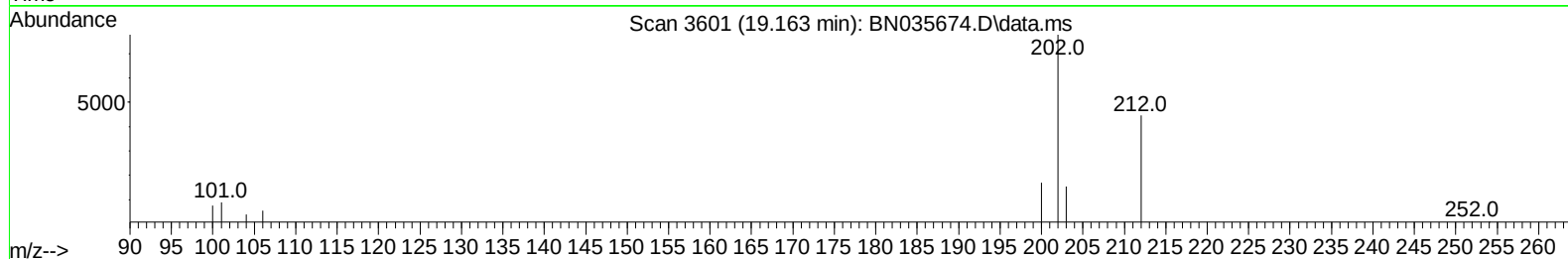
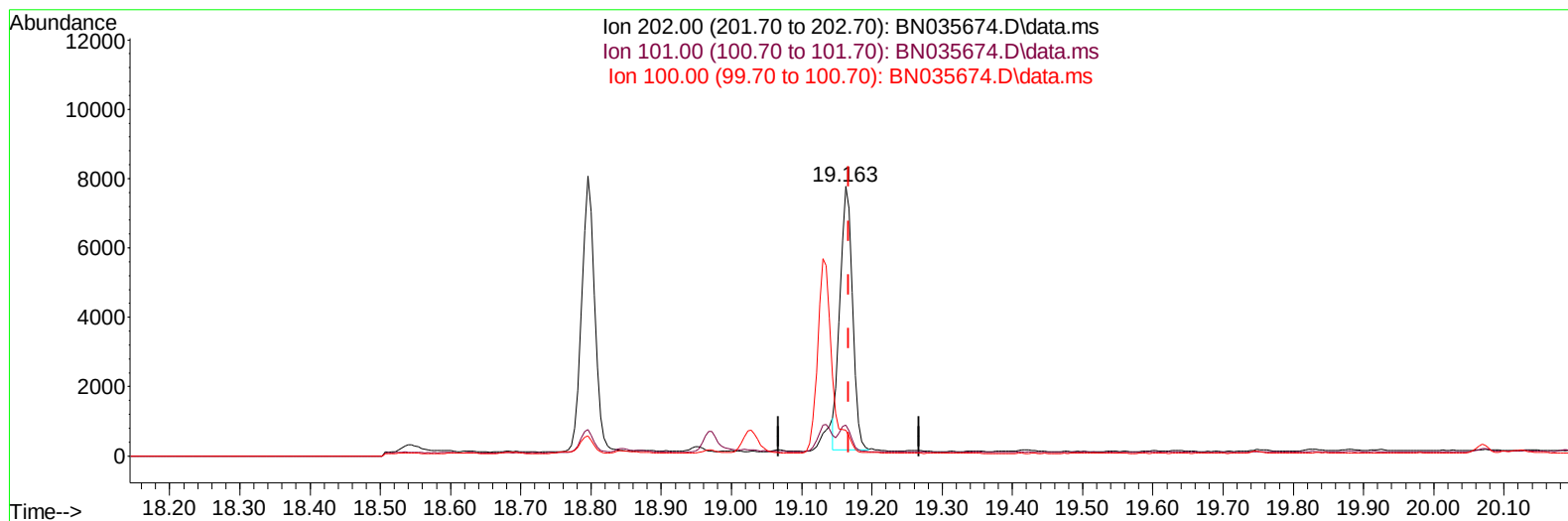
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Data File : BN035674.D  
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Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

Manual IntegrationsAPPROVED

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TIC: BN035674.D\data.ms

(20) Pyrene

19.163min (-0.005) 0.26 ng/ul m

response 9413

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 10.60  | 11.53  |
| 100.00 | 8.10   | 9.66   |
| 0.00   | 0.00   | 0.00   |

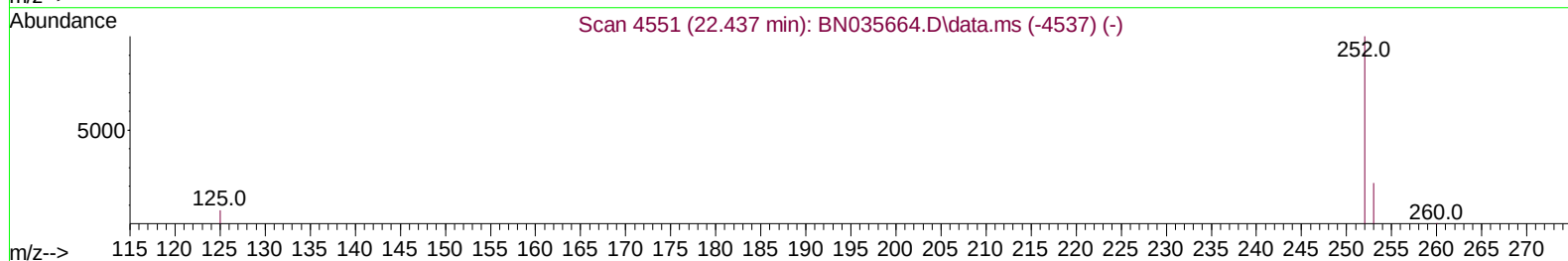
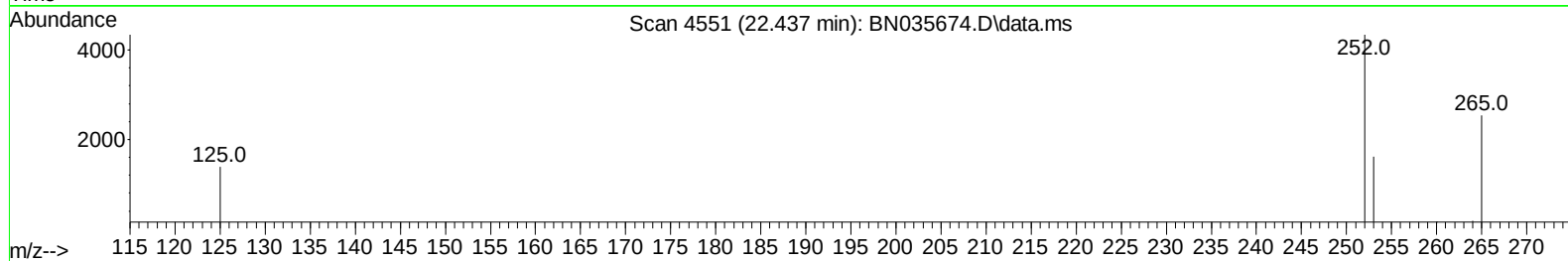
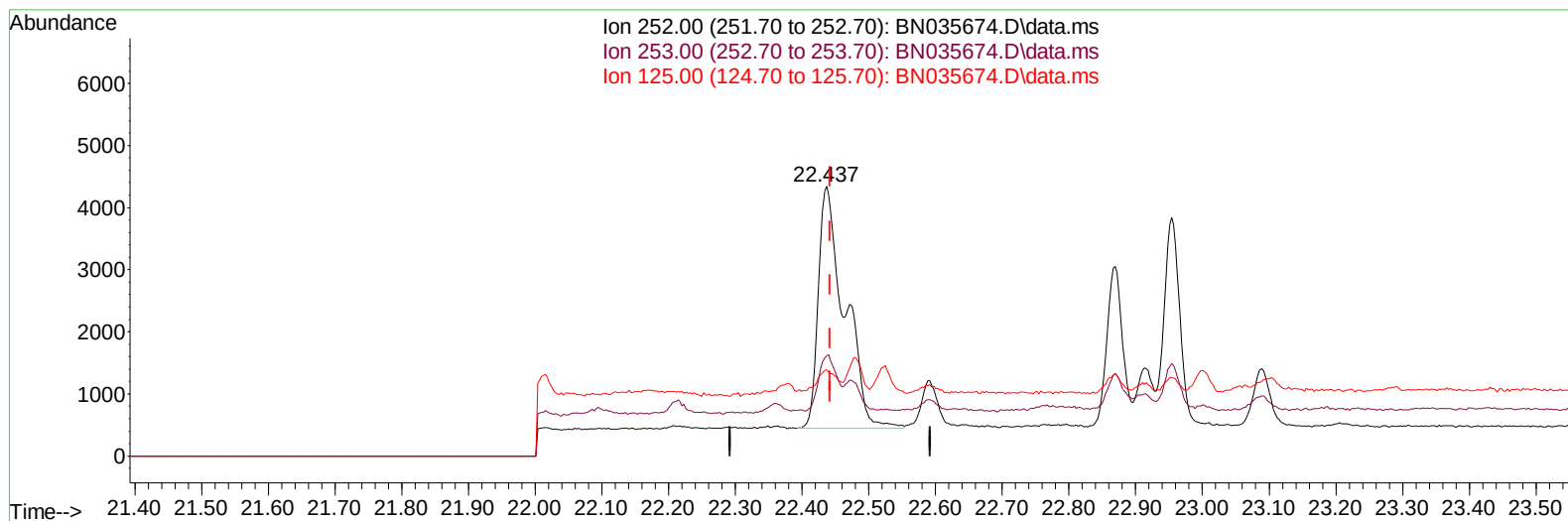
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035674.D  
Acq On : 18 Dec 2024 17:31  
Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

Manual IntegrationsAPPROVED

Quant Time: Dec 19 00:54:31 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 16:26:08 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024  
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TIC: BN035674.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 0.30 ng/u1

response 10601

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.20  | 37.19  |
| 125.00 | 18.80  | 32.07  |
| 0.00   | 0.00   | 0.00   |

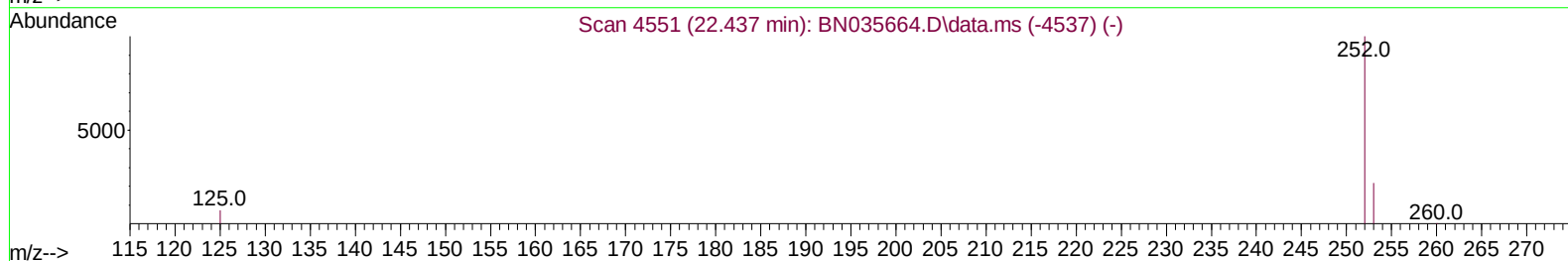
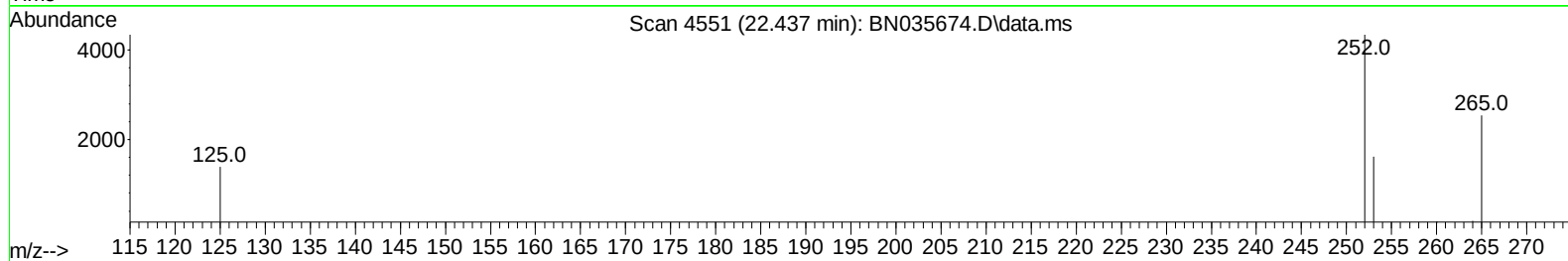
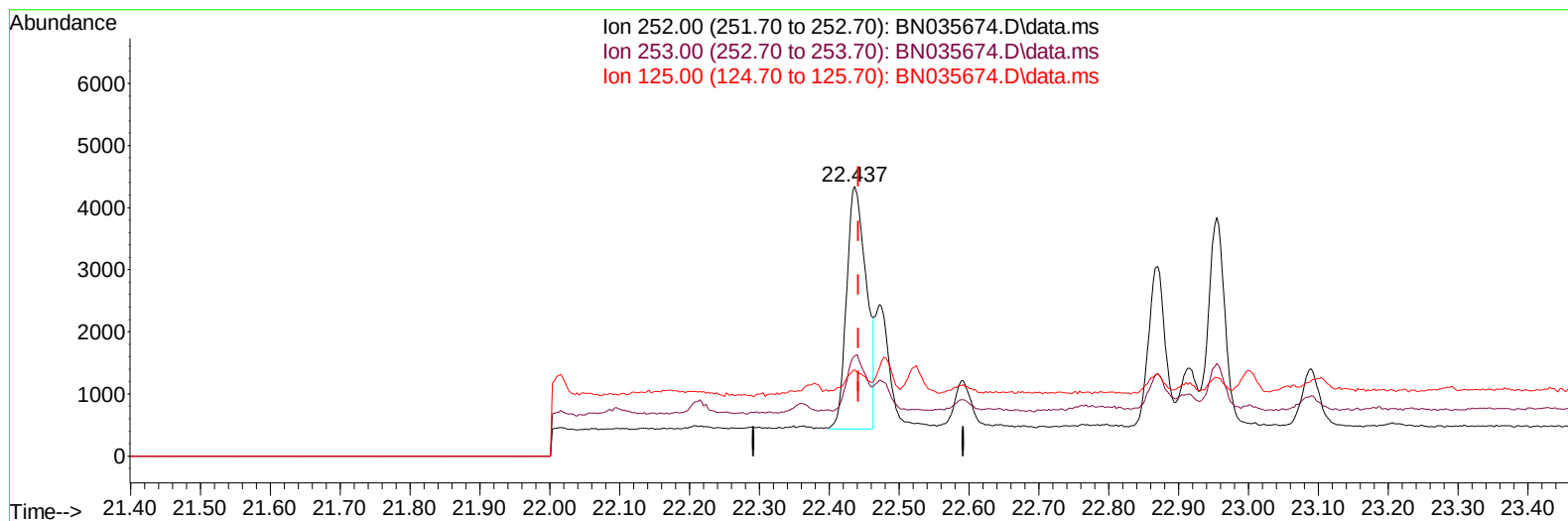
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035674.D  
Acq On : 18 Dec 2024 17:31  
Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

## Manual IntegrationsAPPROVED

Quant Time: Dec 19 00:54:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN121624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 16:26:08 2024  
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/21/2024  
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TIC: BN035674.D\data.ms

## (24) Benzo(b)fluoranthene

22.437min (-0.006) 0.22 ng/ul m

response 7728

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.20  | 37.19  |
| 125.00 | 18.80  | 32.07  |
| 0.00   | 0.00   | 0.00   |

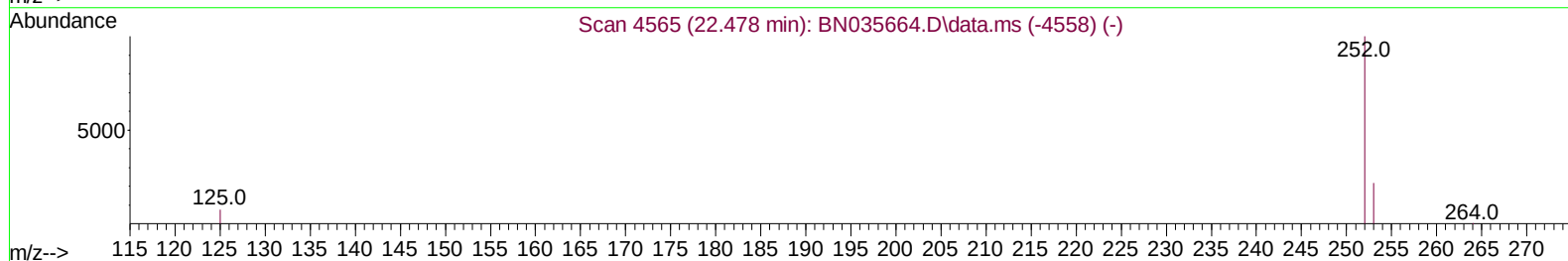
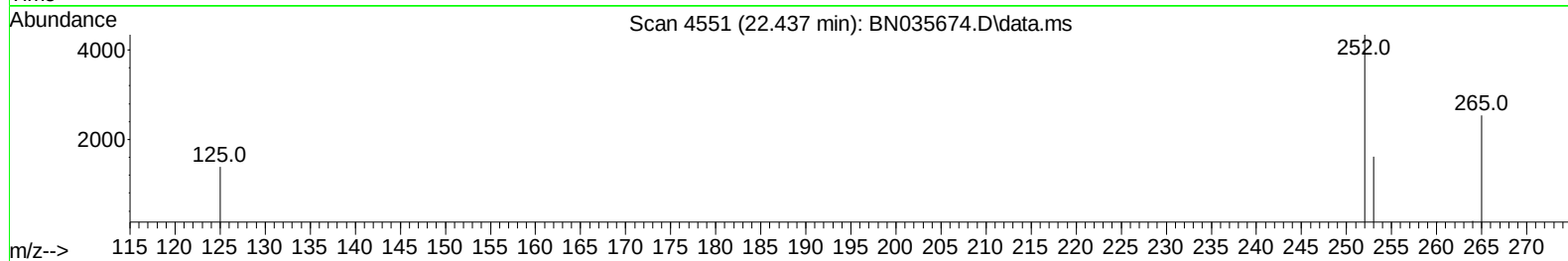
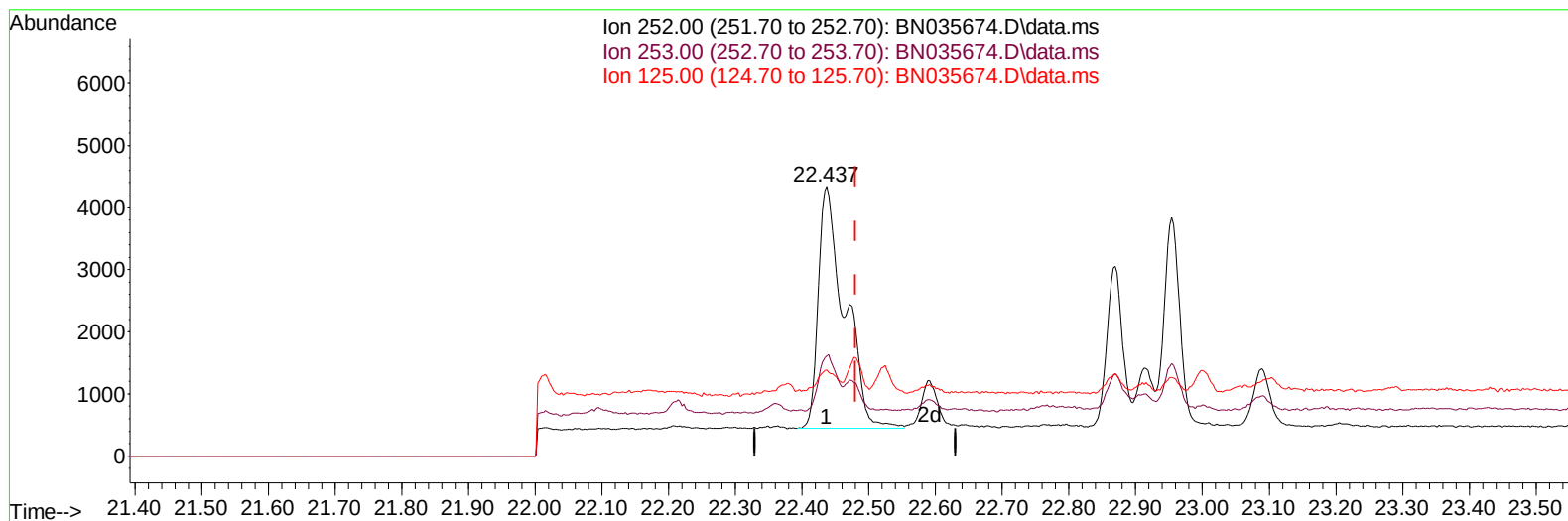
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035674.D  
Acq On : 18 Dec 2024 17:31  
Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

Manual IntegrationsAPPROVED

Quant Time: Dec 19 00:54:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN121624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 16:26:08 2024  
Response via : Initial Calibration

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TIC: BN035674.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 0.27 ng/u1

response 10601

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.60  | 37.19# |
| 125.00 | 19.10  | 32.07# |
| 0.00   | 0.00   | 0.00   |



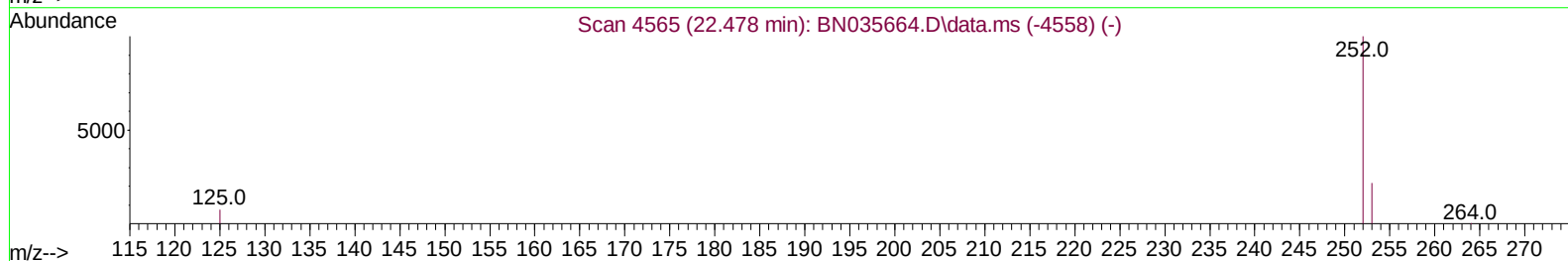
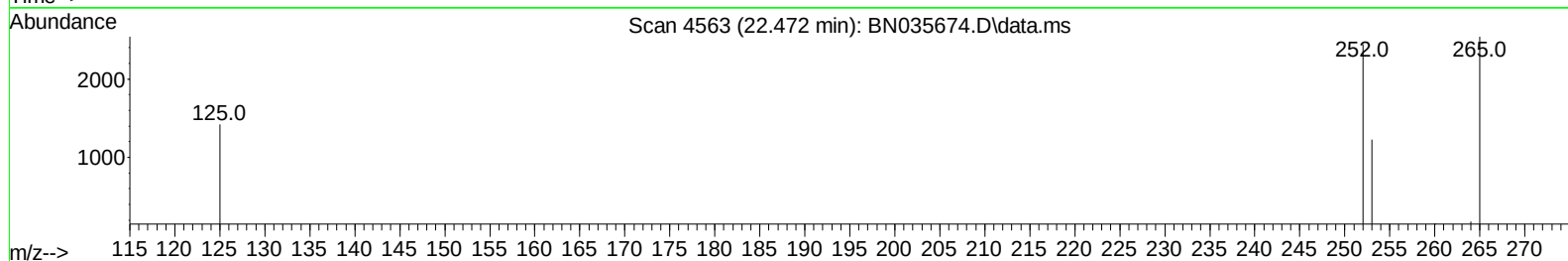
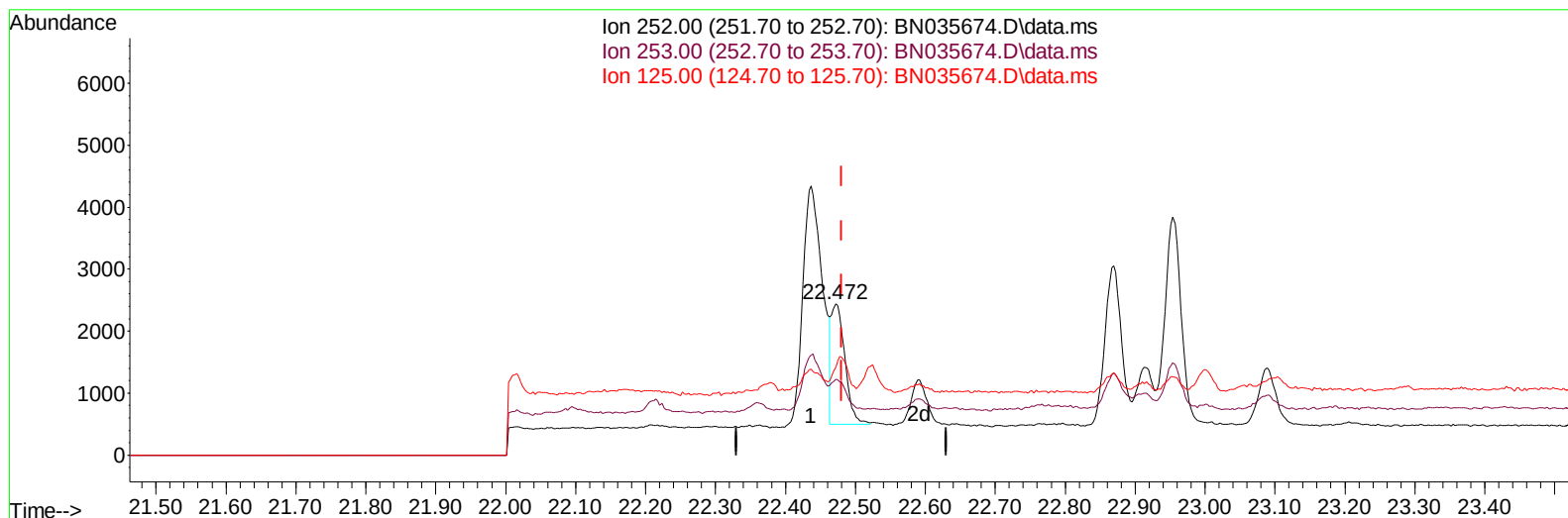
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035674.D  
Acq On : 18 Dec 2024 17:31  
Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

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TIC: BN035674.D\data.ms

## (25) Benzo(k)fluoranthene

22.472min (-0.009) 0.07 ng/ul m

response 2611

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.60  | 50.14# |
| 125.00 | 19.10  | 58.14# |
| 0.00   | 0.00   | 0.00   |

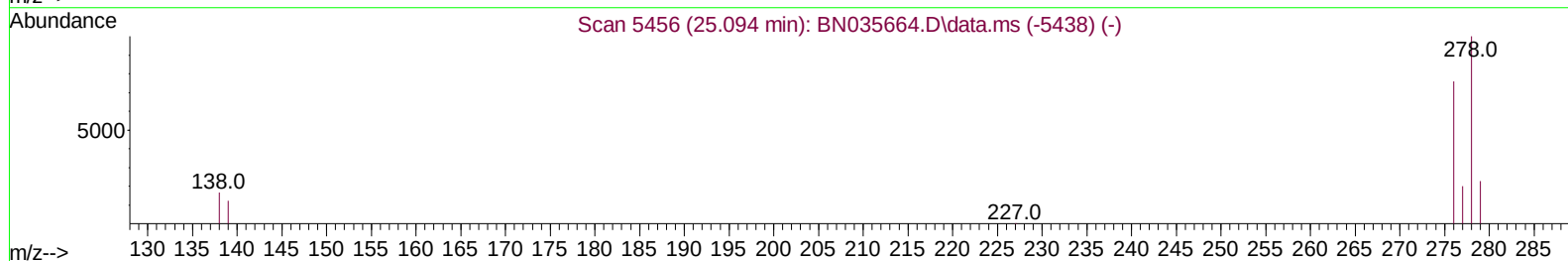
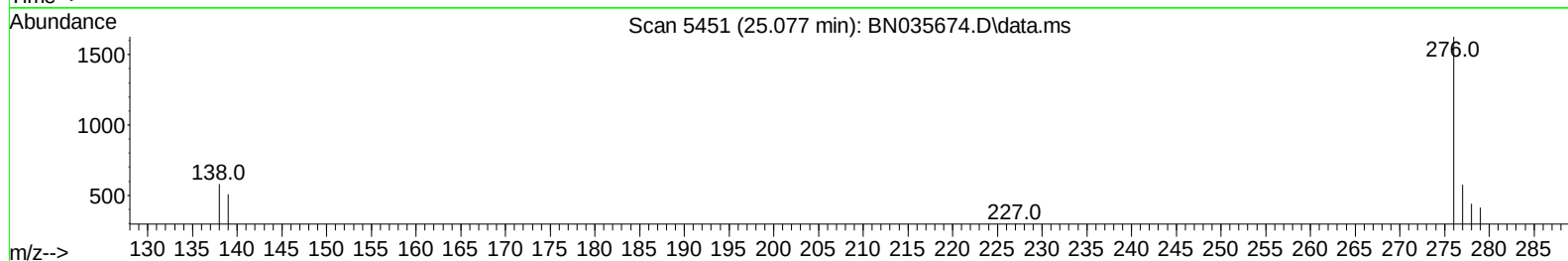
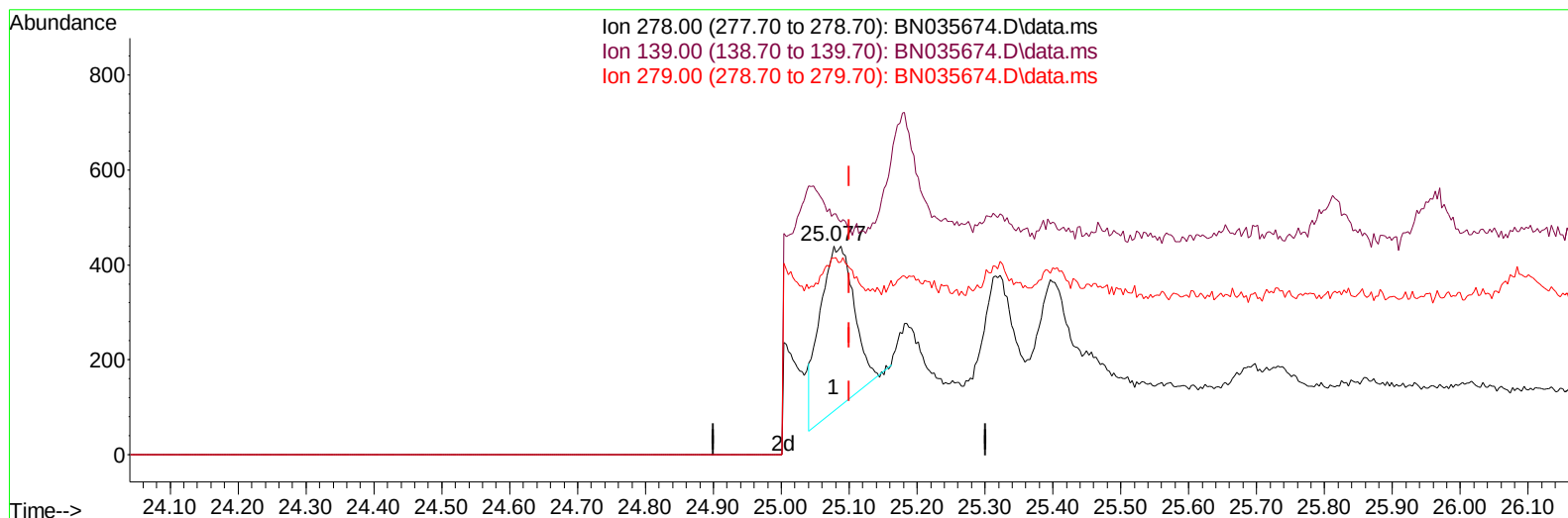
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035674.D  
Acq On : 18 Dec 2024 17:31  
Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
E28Y3

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QLast Update : Mon Dec 16 16:26:08 2024  
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TIC: BN035674.D\data.ms

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

25.077min (-0.023) 0.04 ng/u1

response 1208

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 278.00 | 100.00 | 100.00  |
| 139.00 | 24.80  | 115.23# |
| 279.00 | 30.00  | 94.09#  |
| 0.00   | 0.00   | 0.00    |

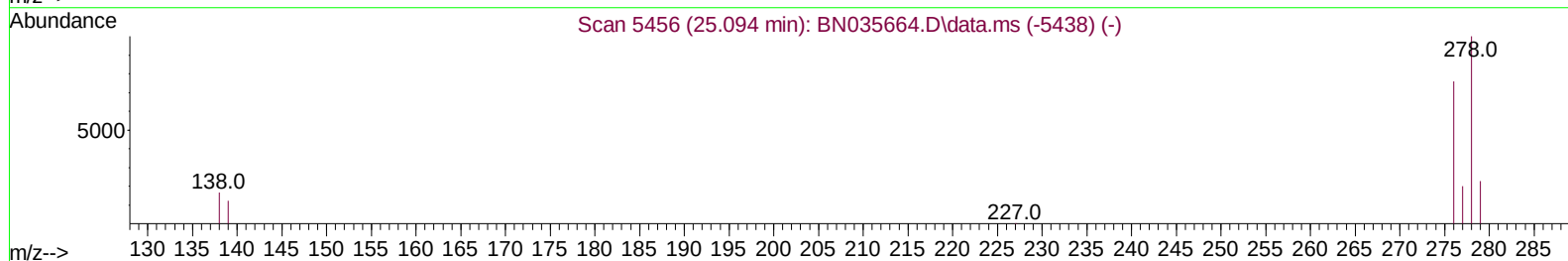
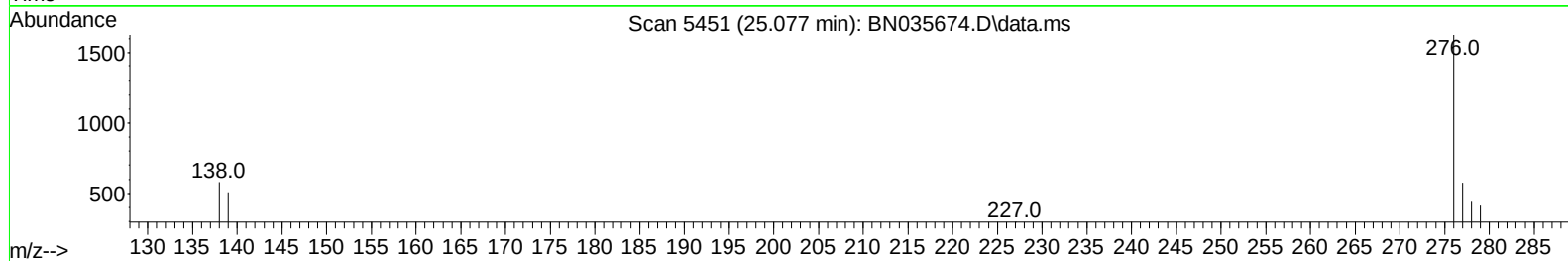
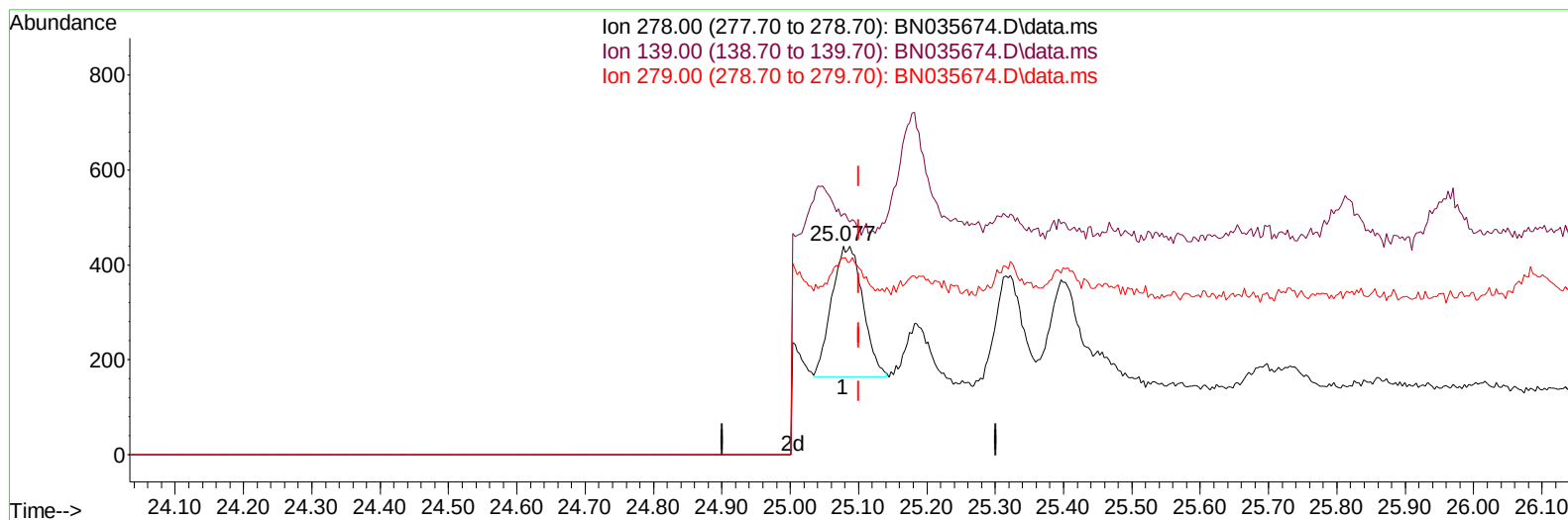
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Operator : RC/JU  
Sample : P5258-20  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: BN035674.D\data.ms

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

25.077min (-0.023) 0.03 ng/ul m

response 867

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 278.00 | 100.00 | 100.00  |
| 139.00 | 24.80  | 115.23# |
| 279.00 | 30.00  | 94.09#  |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
 Data File : BN035674.D  
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 Sample : P5258-20  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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 E28Y3

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 QLast Update : Mon Dec 16 16:26:08 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.280  | 152  | 2504     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.025 | 136  | 7092     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 13.944 | 164  | 5036     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.713 | 188  | 10619    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 20.958 | 240  | 9231     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.045 | 264  | 12008    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 2.955  | 96   | 9524     | 4.290 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.631 | 152  | 2546     | 0.252 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.767 | 212  | 5749     | 0.213 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.075 | 128  | 539m     | 0.031 | ng/ul  |          |
| 7) 2-Methylnaphthalene      | 11.708 | 142  | 444      | 0.038 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 11.934 | 142  | 315      | 0.026 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.653 | 152  | 617      | 0.032 | ng/ul# | 65       |
| 15) Phenanthrene            | 16.751 | 178  | 4399     | 0.166 | ng/ul  | 97       |
| 16) Anthracene              | 16.844 | 178  | 968      | 0.039 | ng/ul# | 79       |
| 19) Fluoranthene            | 18.795 | 202  | 10308    | 0.312 | ng/ul  | 99       |
| 20) Pyrene                  | 19.163 | 202  | 9413m    | 0.259 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 20.944 | 228  | 4987     | 0.163 | ng/ul# | 91       |
| 22) Chrysene                | 20.993 | 228  | 5640     | 0.178 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 22.437 | 252  | 7728m    | 0.218 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.472 | 252  | 2611m    | 0.067 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 22.954 | 252  | 5429     | 0.158 | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.074 | 276  | 4118     | 0.099 | ng/ul# | 1        |
| 28) Dibenzo(a,h)anthracene  | 25.077 | 278  | 867m     | 0.027 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 25.688 | 276  | 4479     | 0.134 | ng/ul# | 83       |
| -----                       |        |      |          |       |        |          |

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