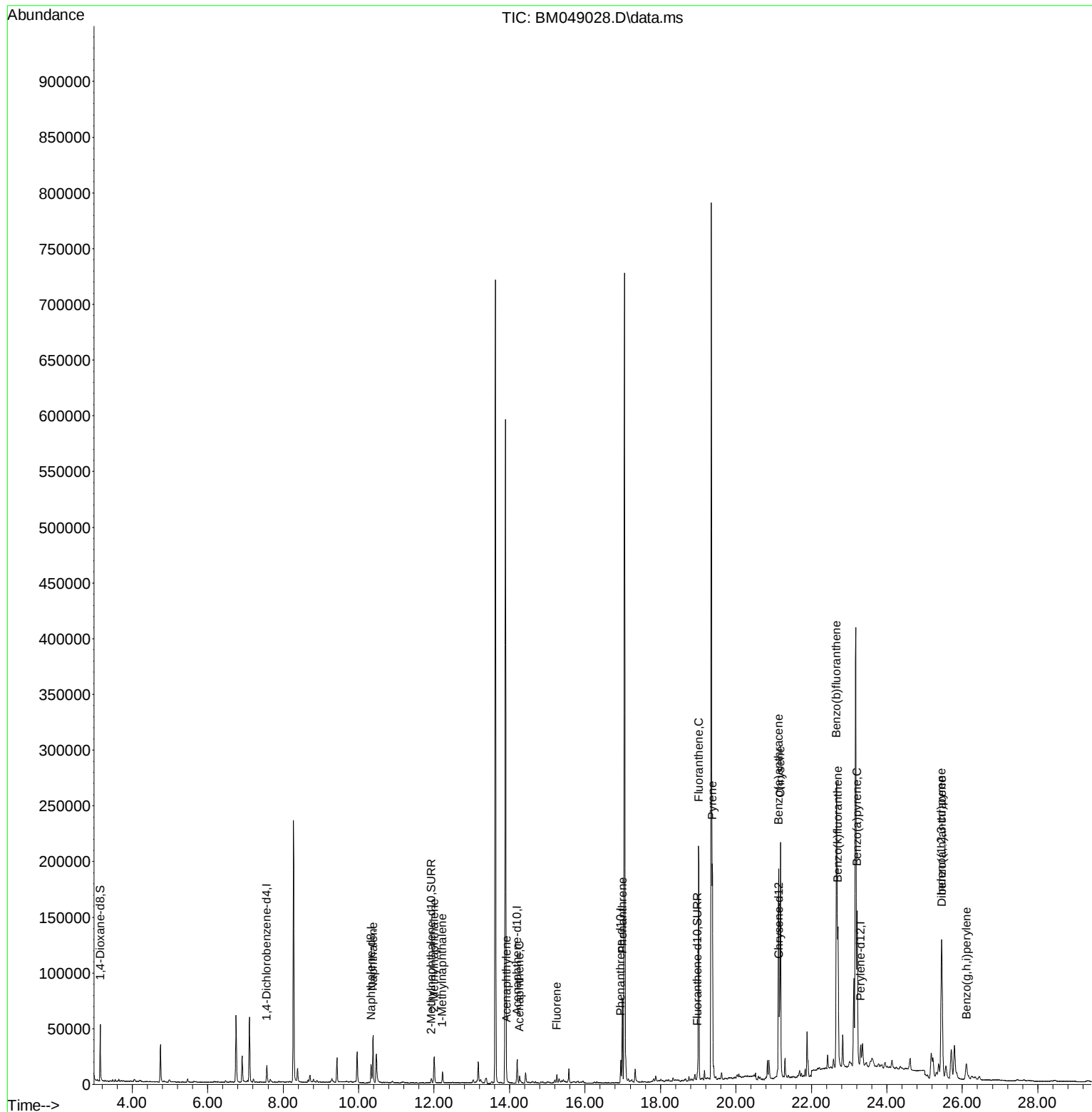


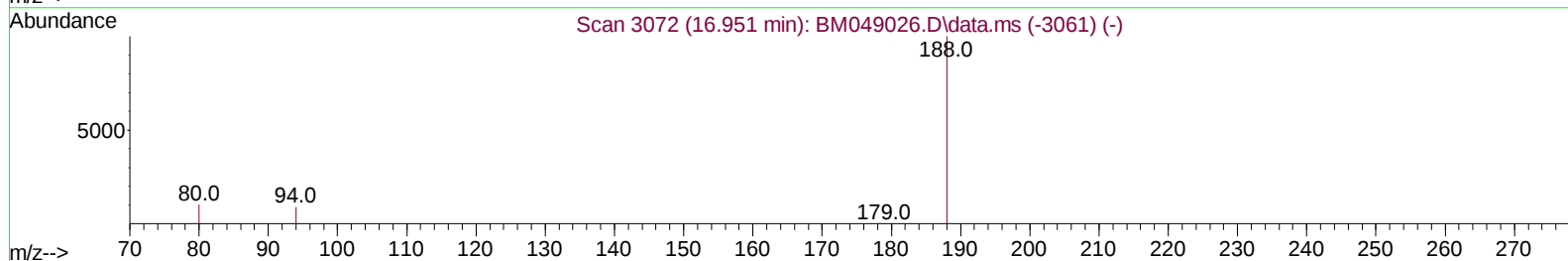
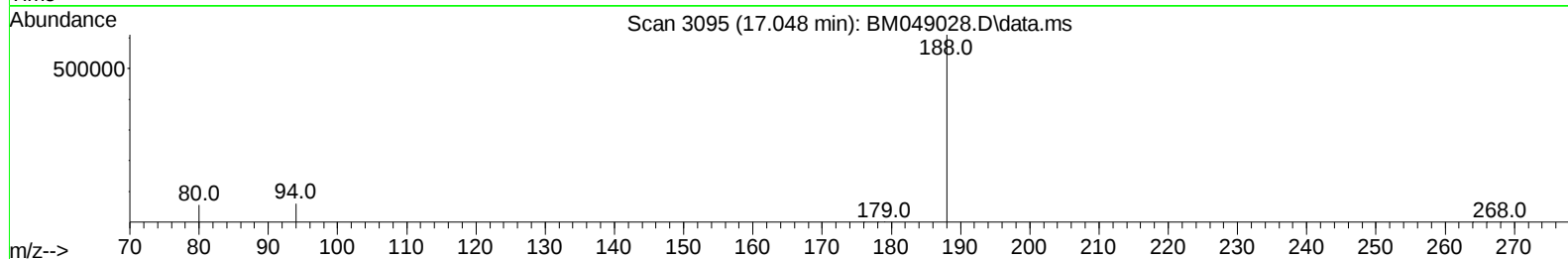
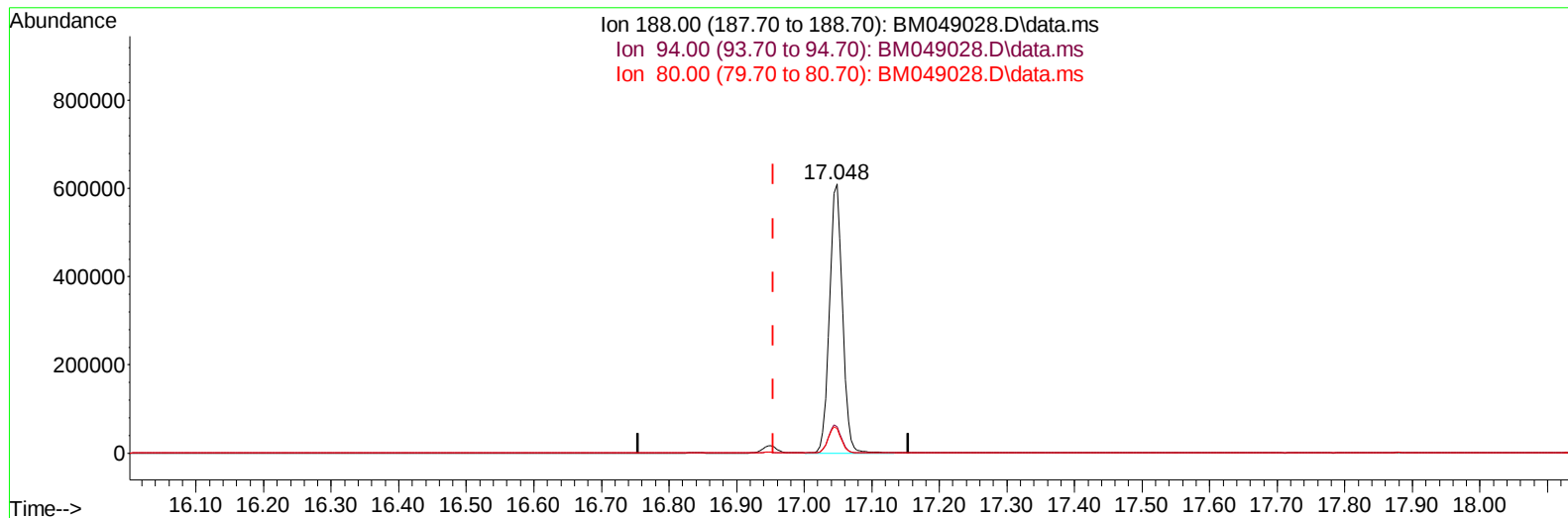
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

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

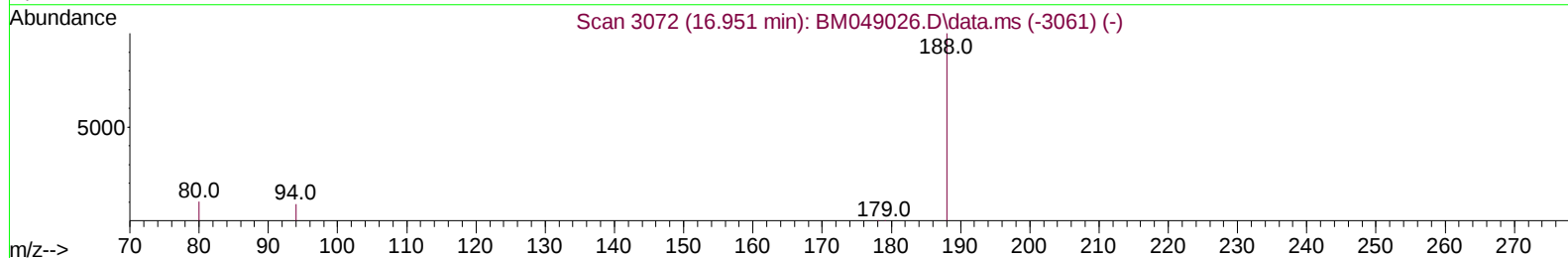
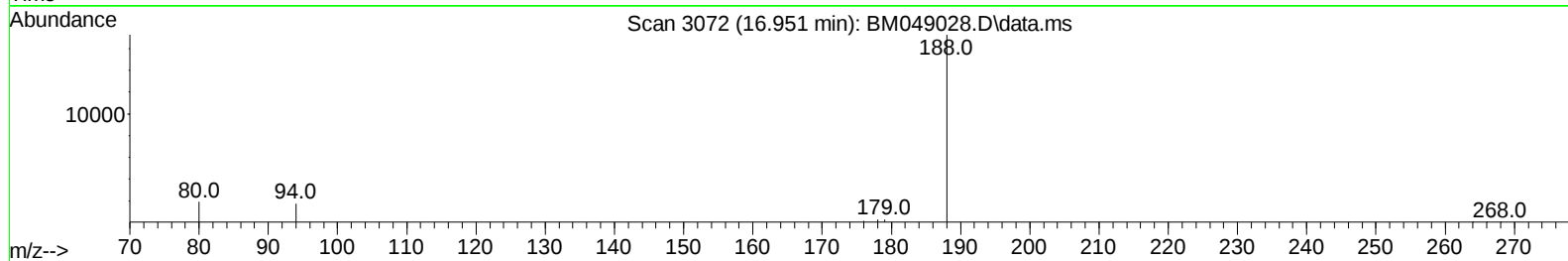
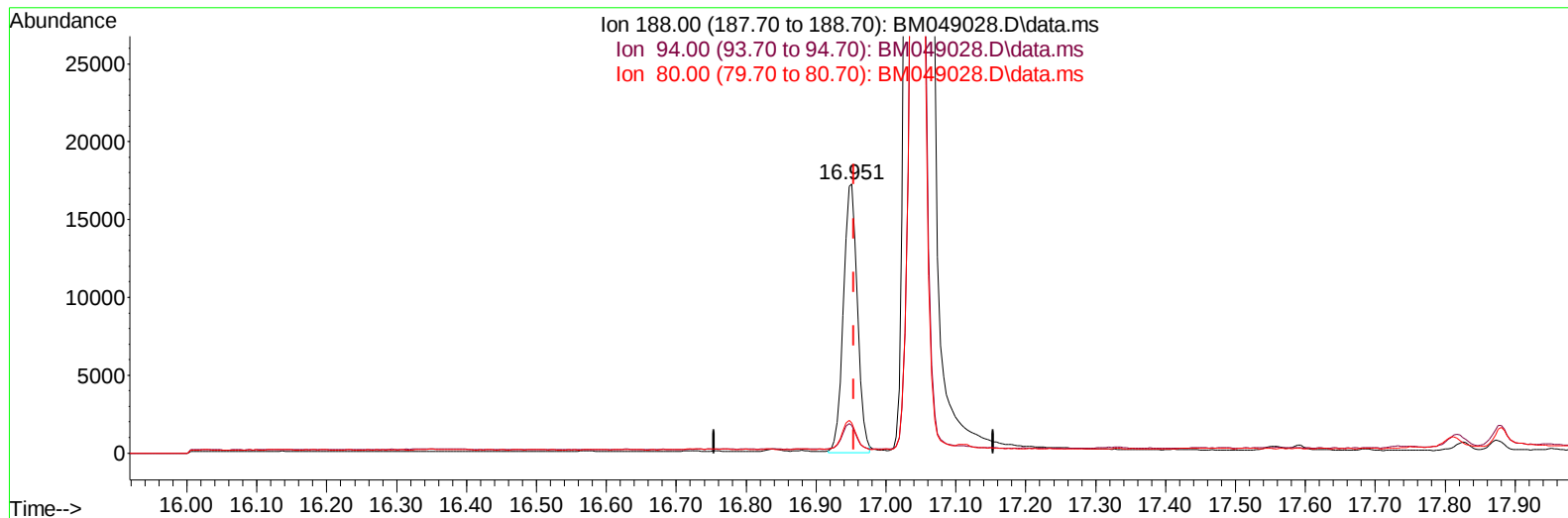
17.048min (+ 0.094) 0.40 ng/u1

response 812653

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.10  | 9.89   |
| 80.00  | 13.90  | 9.04#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

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

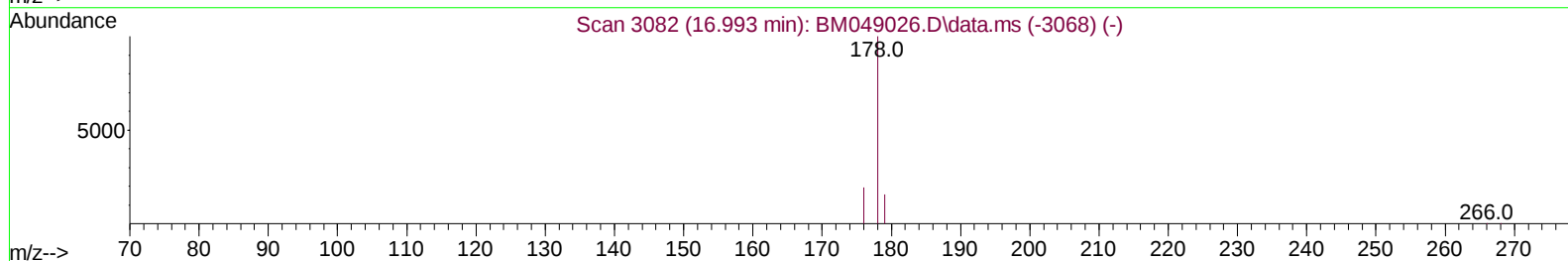
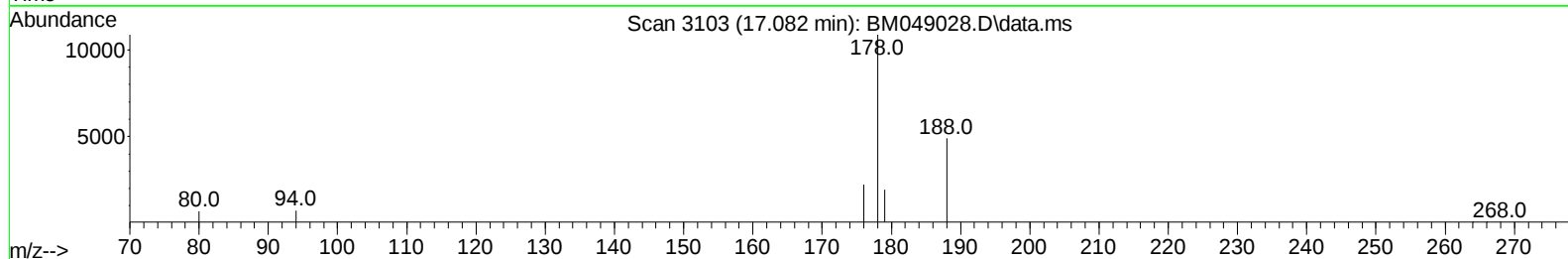
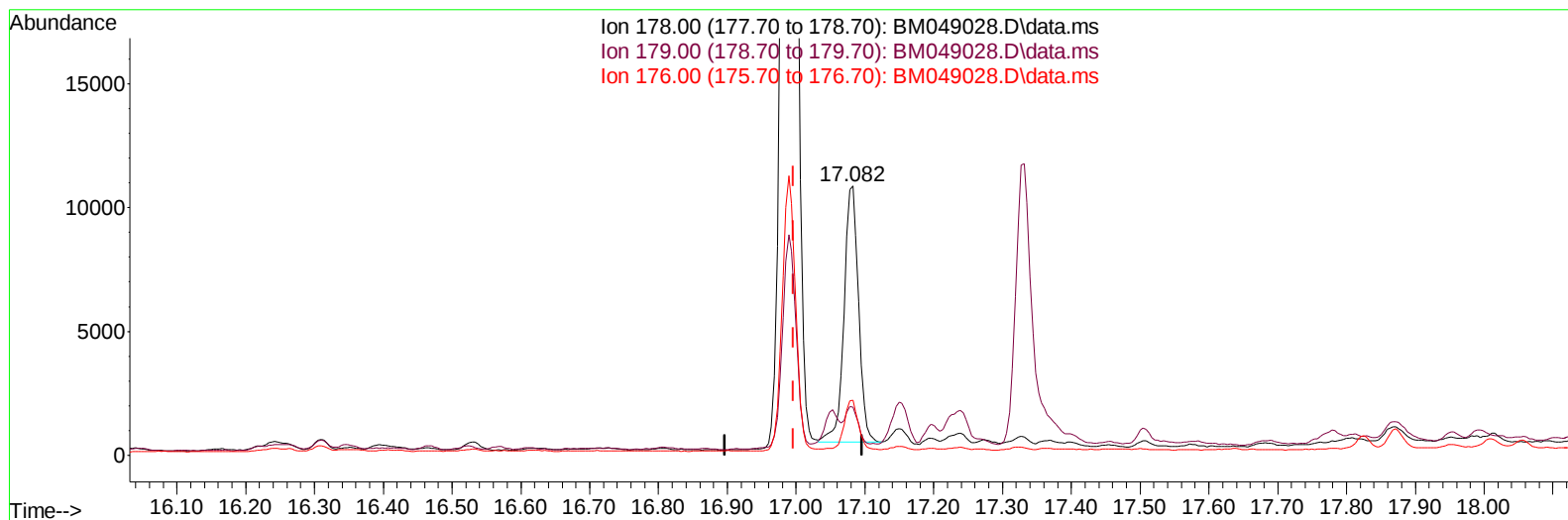
**16.951min (-0.003) 0.40 ng/ul m**

**response 23916**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 188.00 | 100.00 | 100.00 |
| 94.00  | 12.10  | 10.17  |
| 80.00  | 13.90  | 11.12  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(15) Phenanthrene**

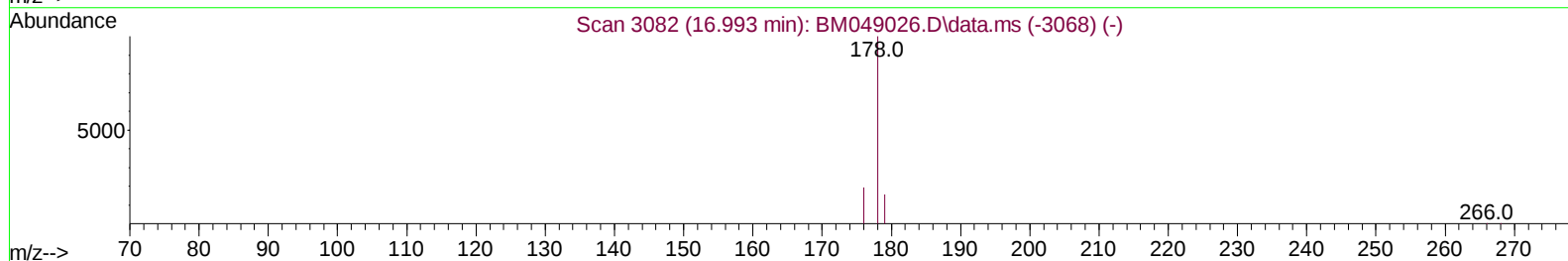
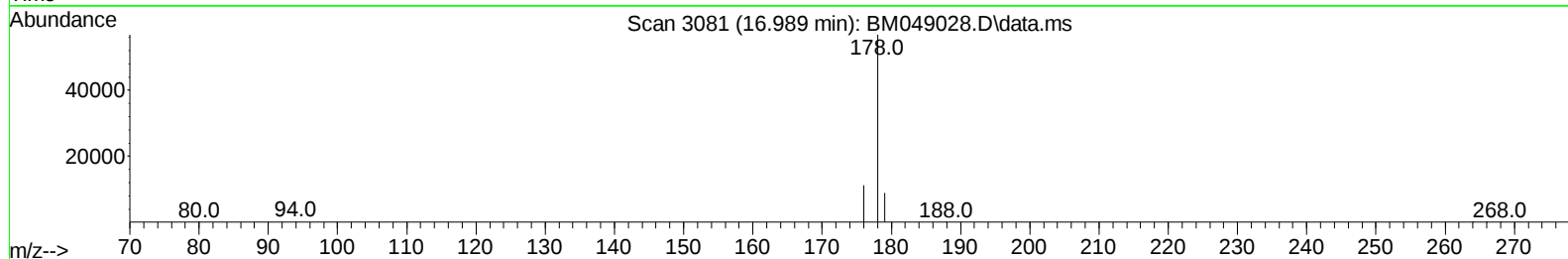
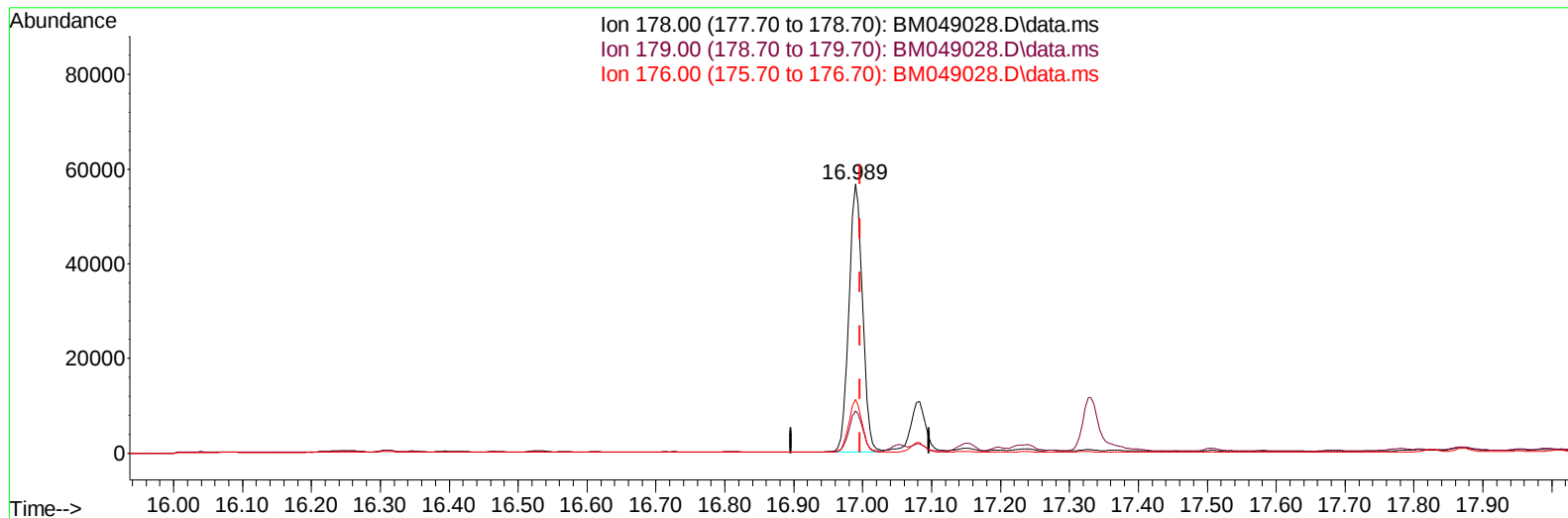
17.082min (+ 0.086) 0.23 ng/u1

response 15166

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 16.30  | 17.86  |
| 176.00 | 19.80  | 20.42  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



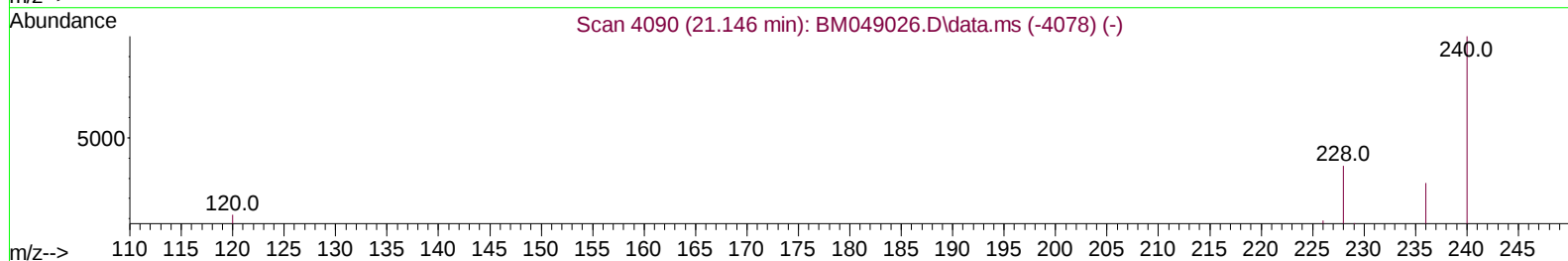
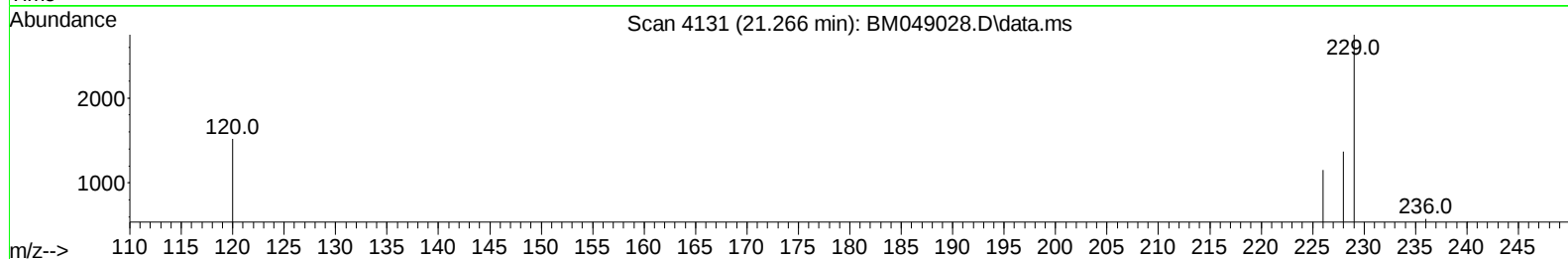
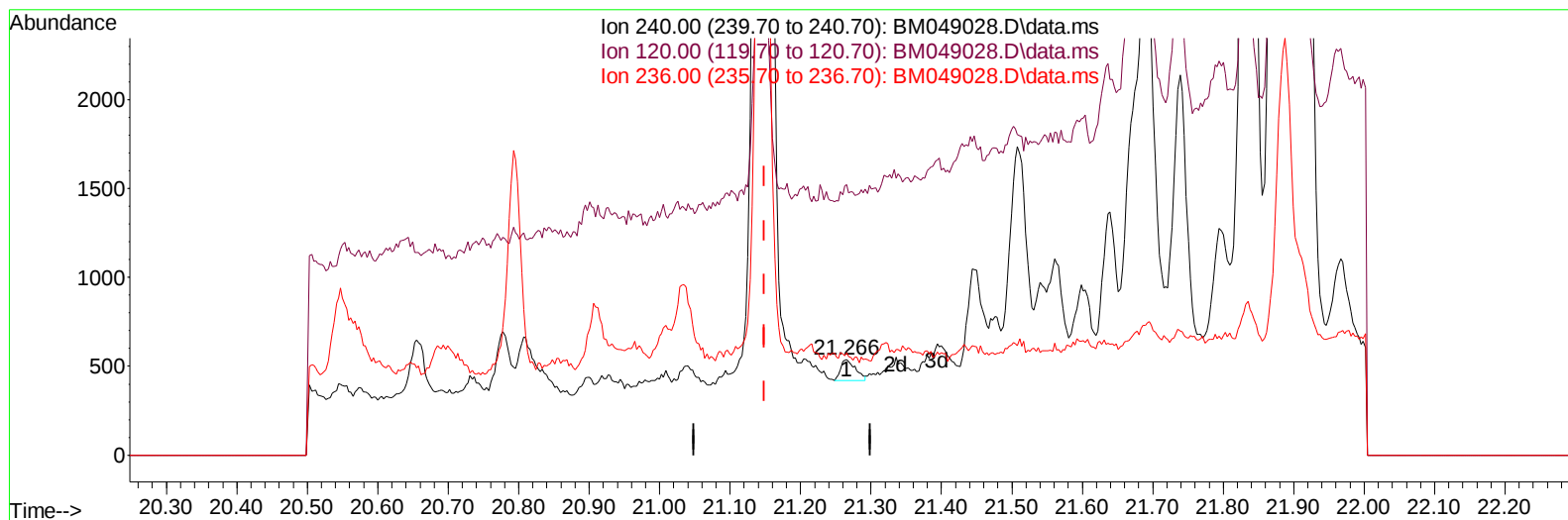
TIC: BM049028.D\data.ms

**(15) Phenanthrene****16.989min (-0.007) 1.18 ng/ul m****response 77229**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 178.00 | 100.00 | 100.00 |
| 179.00 | 16.30  | 15.66  |
| 176.00 | 19.80  | 19.85  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

(17) Chrysene-d12

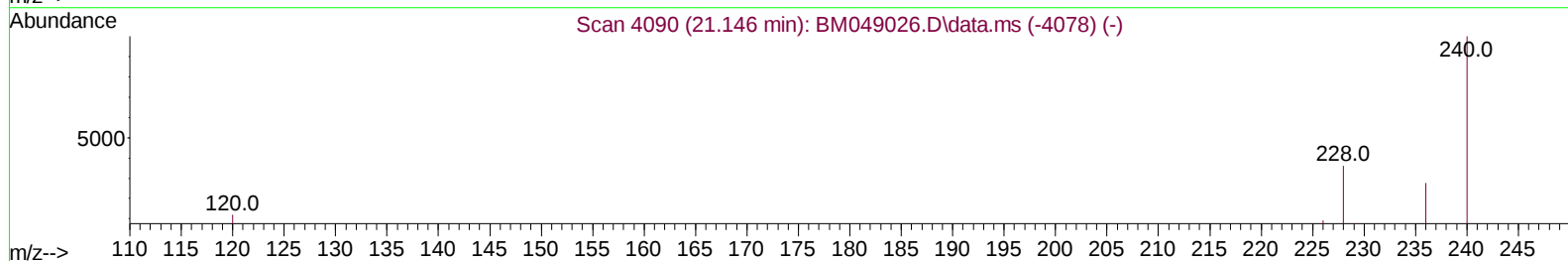
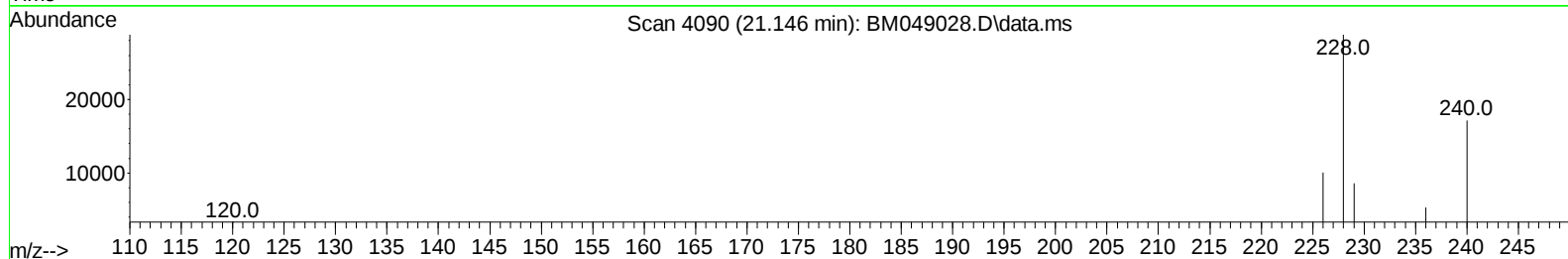
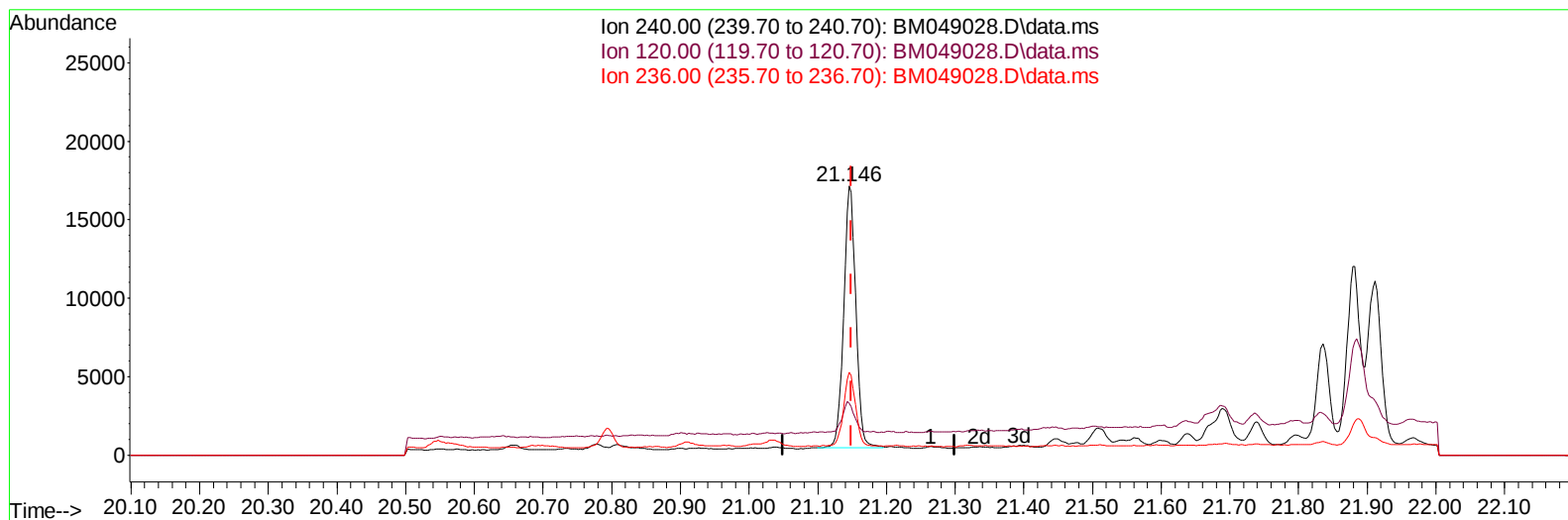
21.266min (+ 0.116) 0.40 ng/u1

response 174

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 240.00 | 100.00 | 100.00  |
| 120.00 | 18.30  | 282.56# |
| 236.00 | 30.50  | 107.24# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(17) Chrysene-d12**

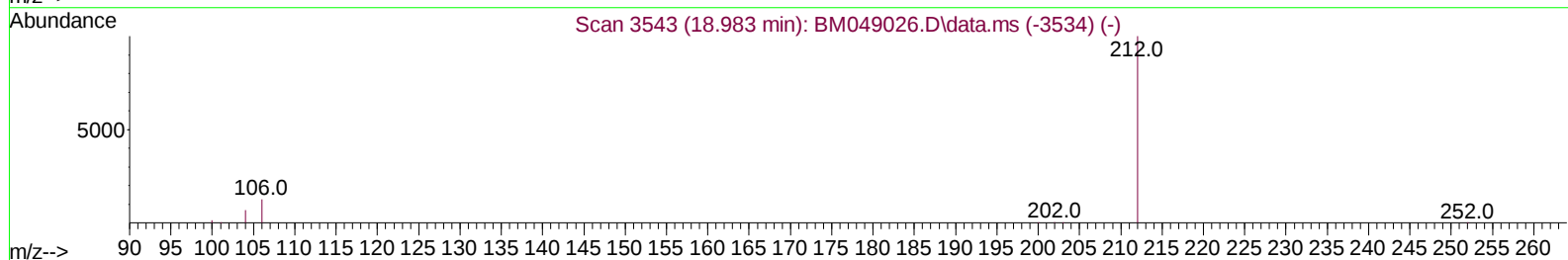
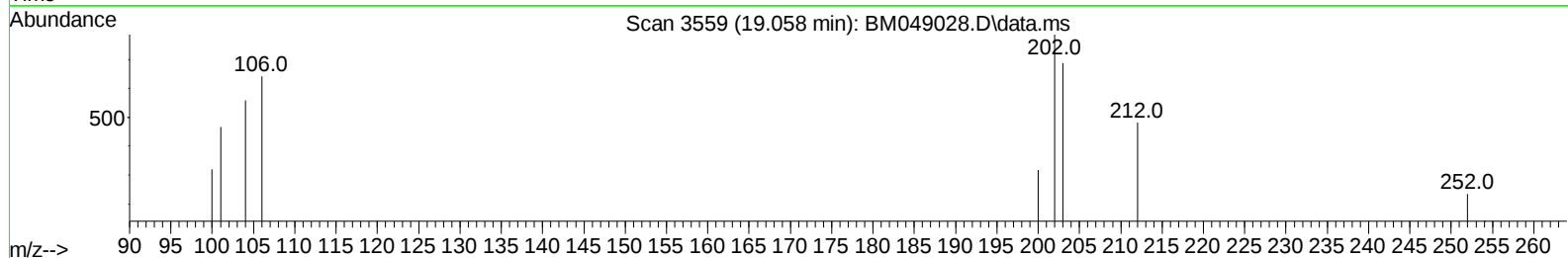
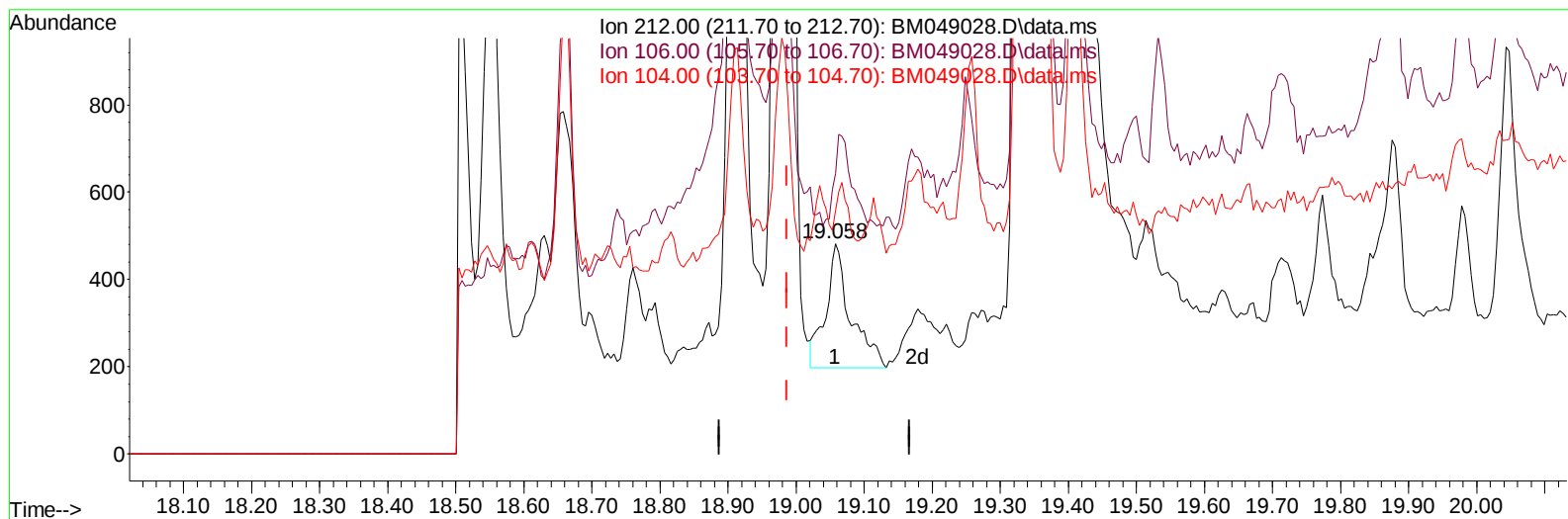
21.146min (-0.003) 0.40 ng/ul m

response 20619

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 240.00 | 100.00 | 100.00 |
| 120.00 | 18.30  | 19.34  |
| 236.00 | 30.50  | 30.82  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(18) Fluoranthene-d10 (SURR)**

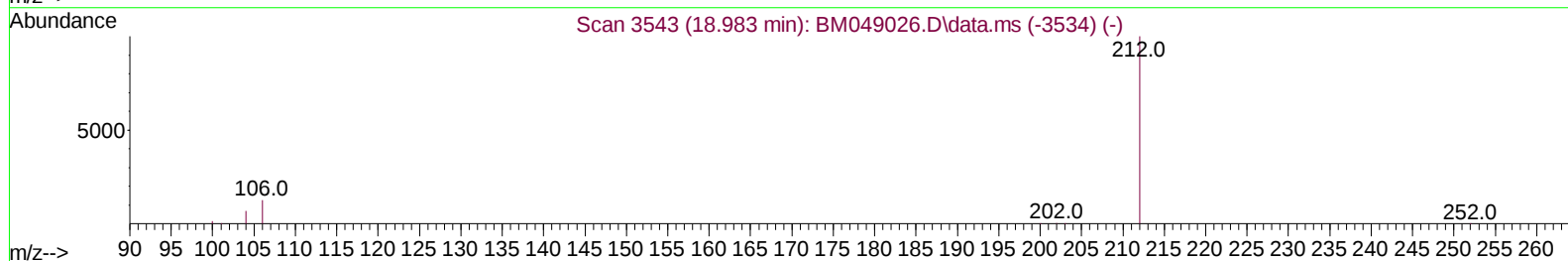
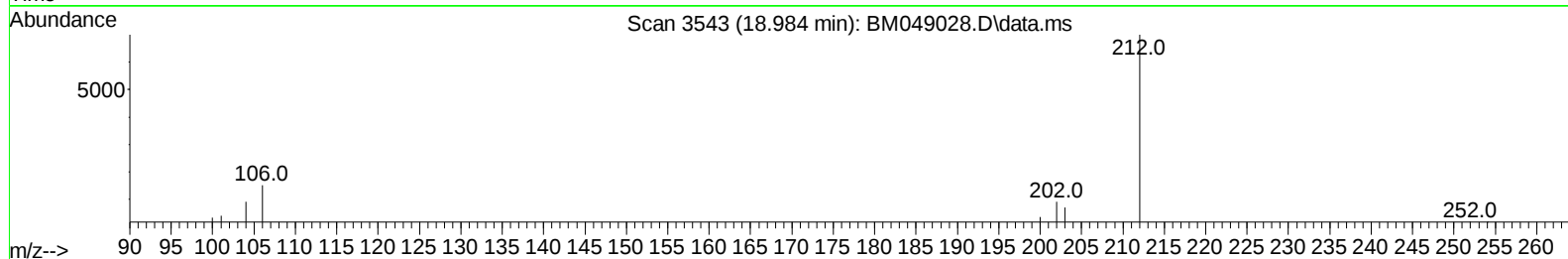
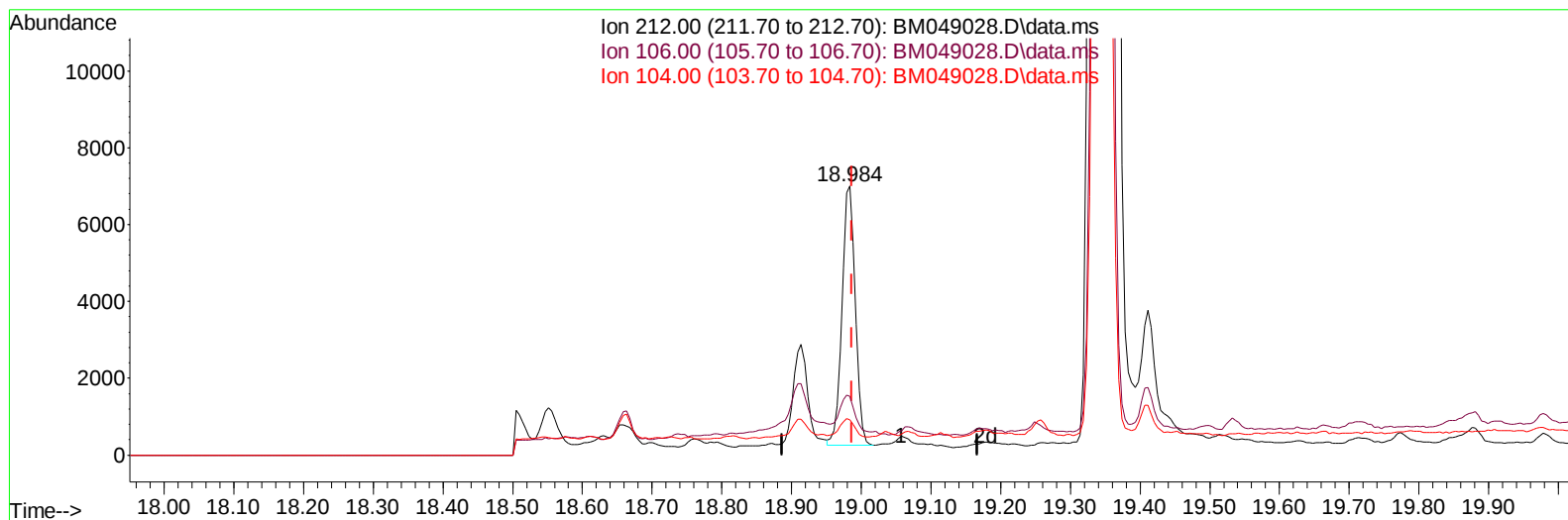
19.058min (+ 0.071) 0.01 ng/u1

response 724

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 15.90  | 50.55# |
| 104.00 | 8.70   | 21.41# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(18) Fluoranthene-d10 (SURR)**

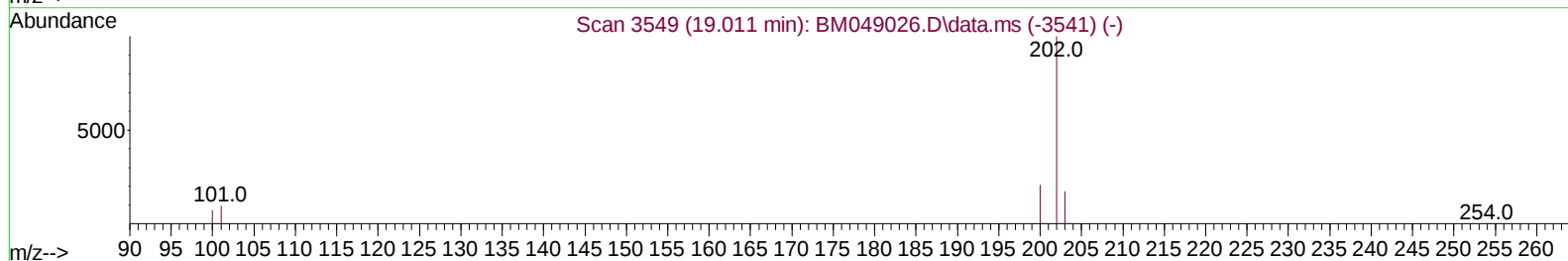
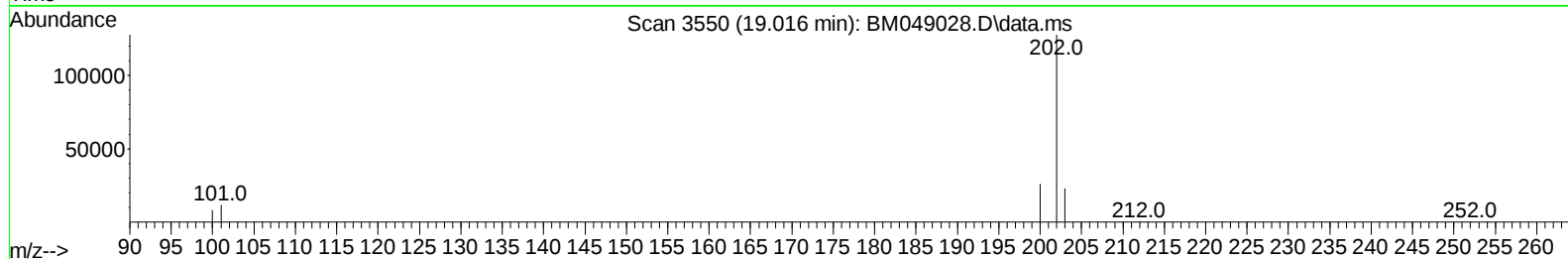
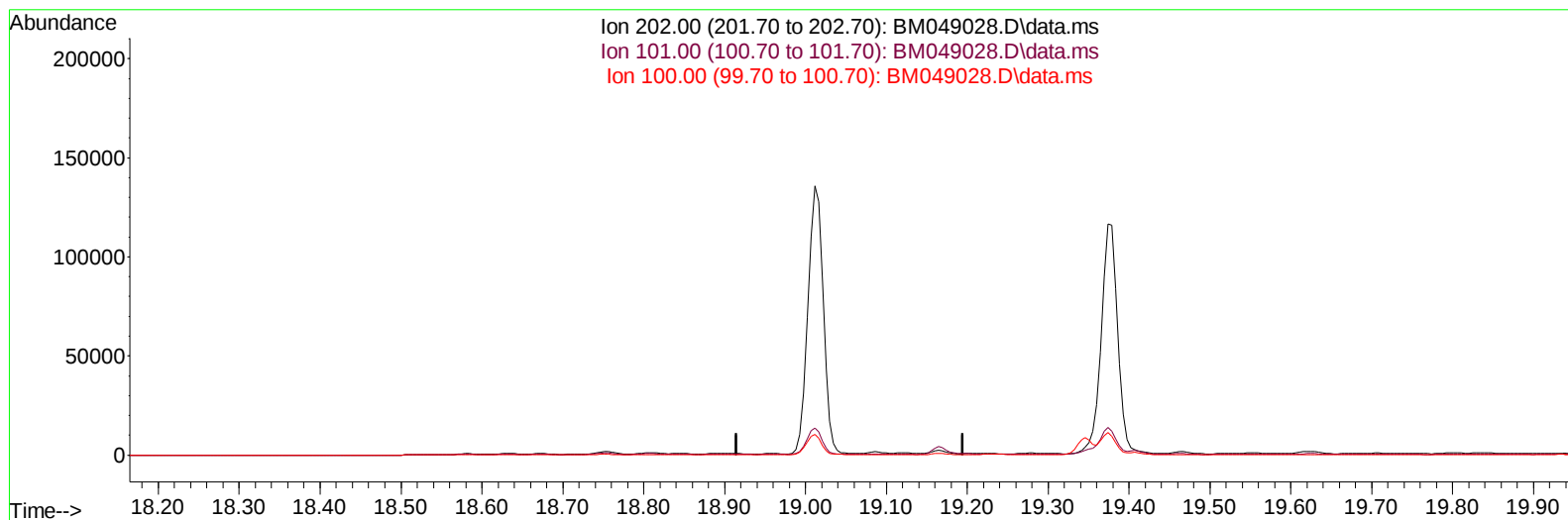
**18.984min (-0.003) 0.15 ng/ul m**

**response 9061**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 212.00 | 100.00 | 100.00 |
| 106.00 | 15.90  | 4.04#  |
| 104.00 | 8.70   | 1.71#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(19) Fluoranthene (C)**

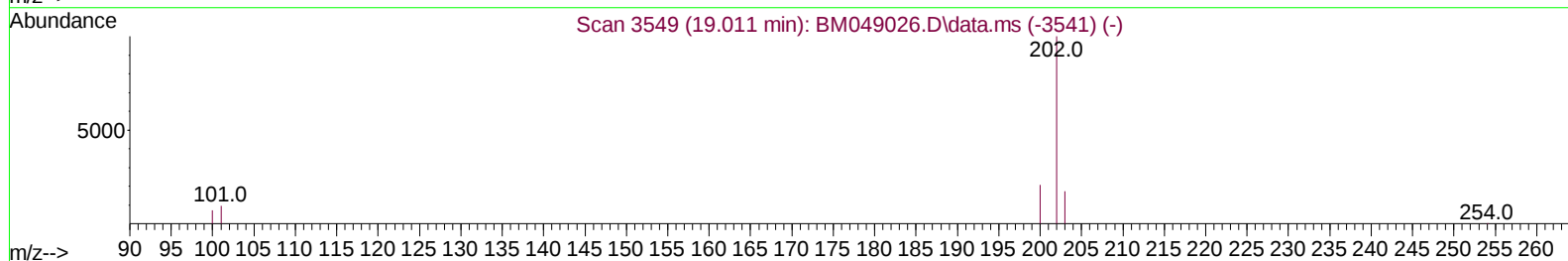
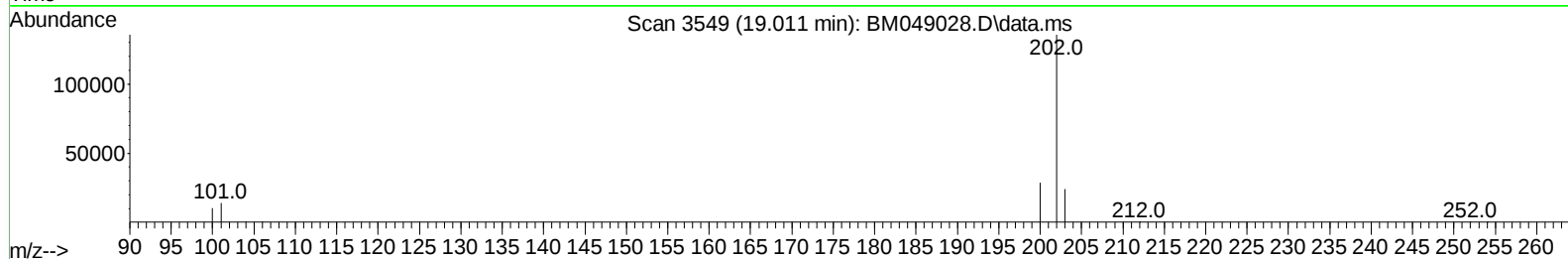
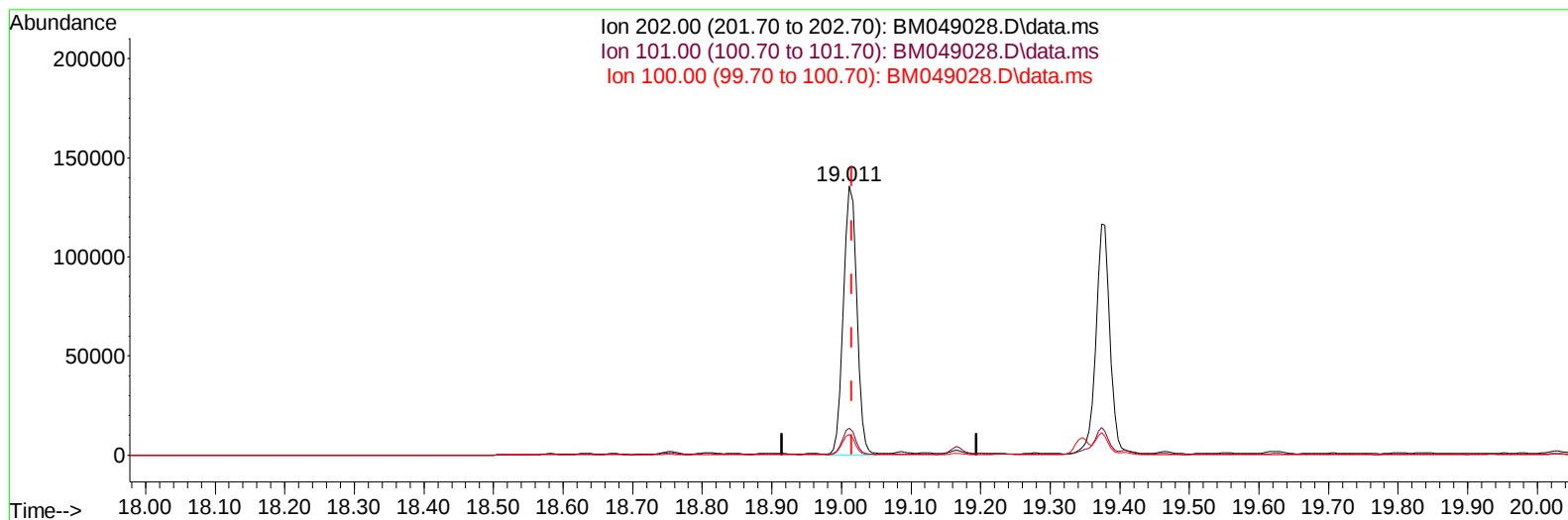
**19.015min (-19.015) 0.00 ng/u1**

**response 0**

| Ion    | Exp%   | Act%  |
|--------|--------|-------|
| 202.00 | 100.00 | 0.00  |
| 101.00 | 12.10  | 0.00# |
| 100.00 | 9.10   | 0.00# |
| 0.00   | 0.00   | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



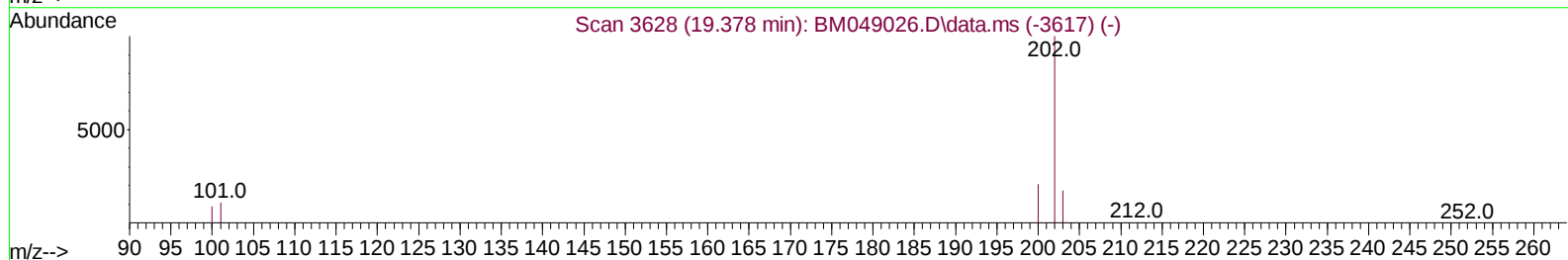
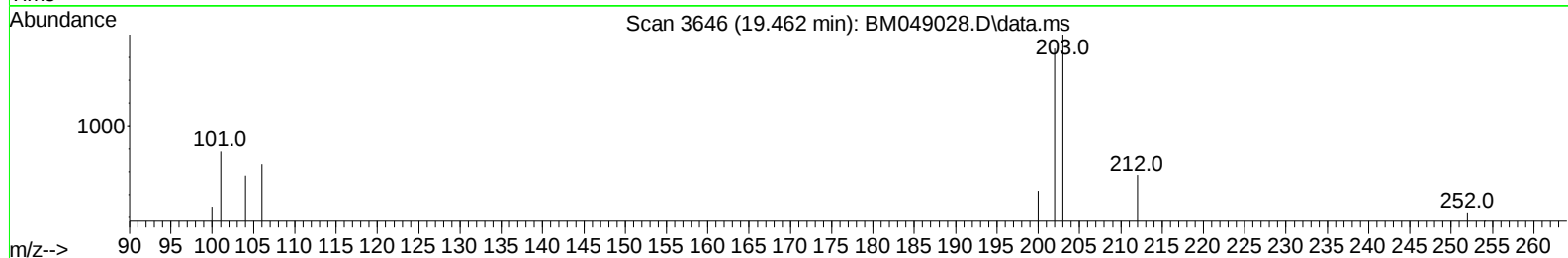
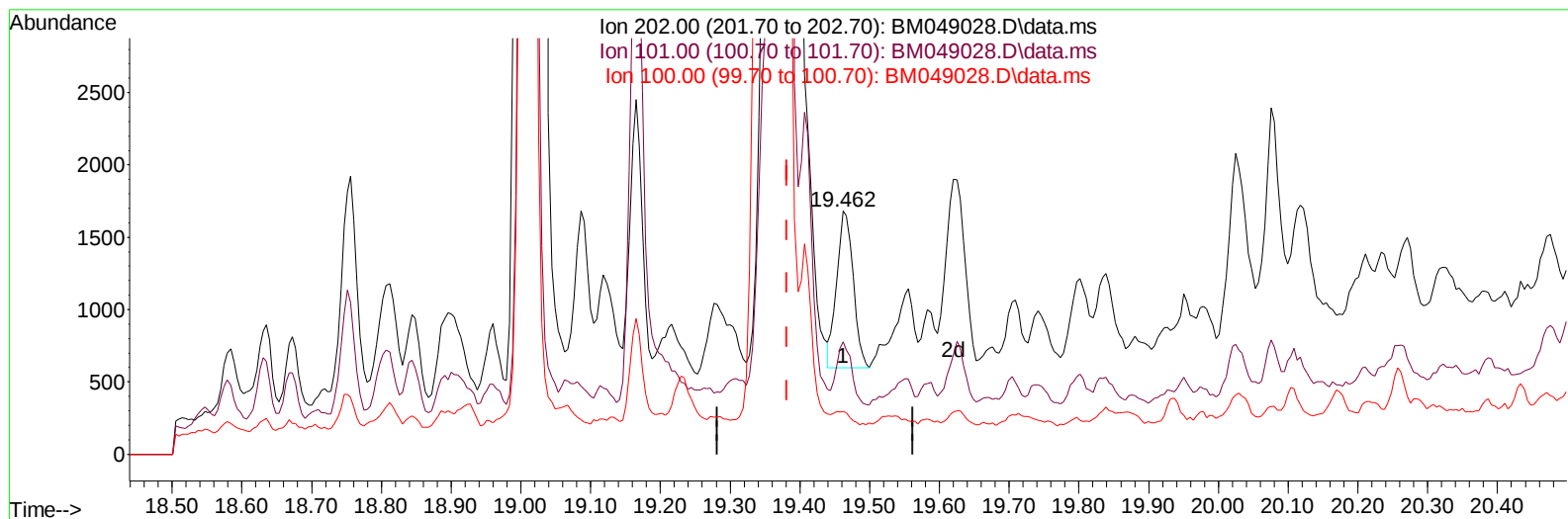
TIC: BM049028.D\data.ms

**(19) Fluoranthene (C)****19.011min (-0.003) 2.11 ng/ul m****response 180212**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 12.10  | 10.11  |
| 100.00 | 9.10   | 7.65   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



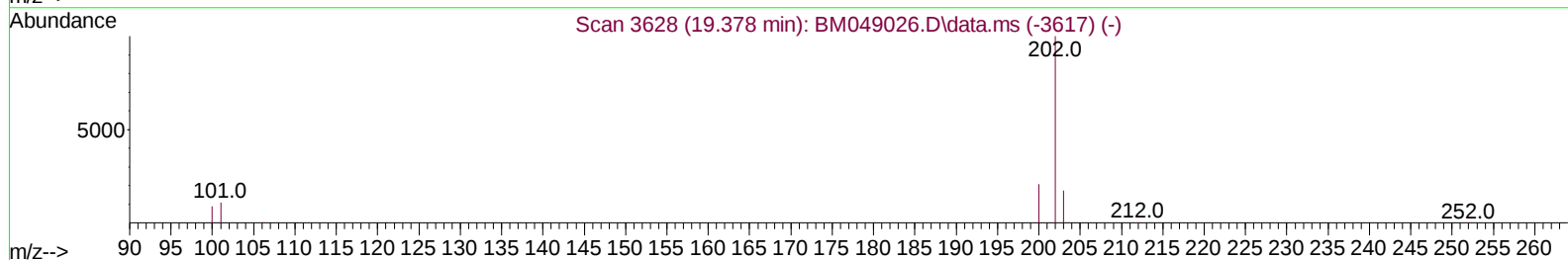
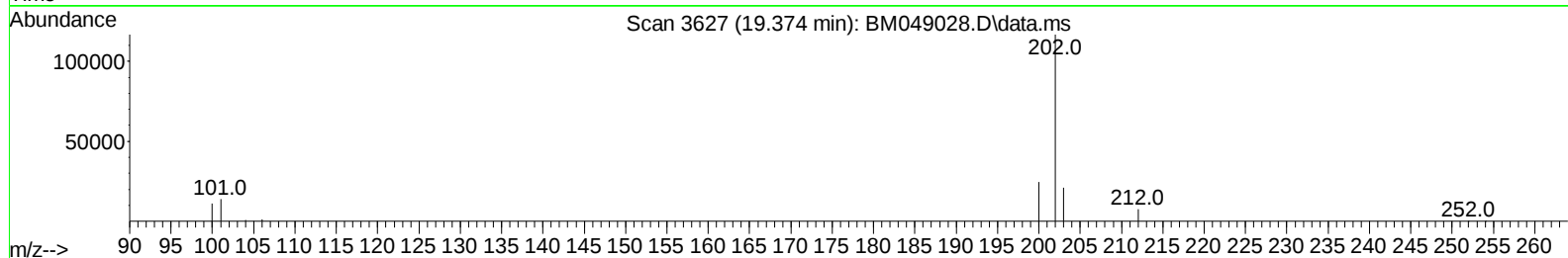
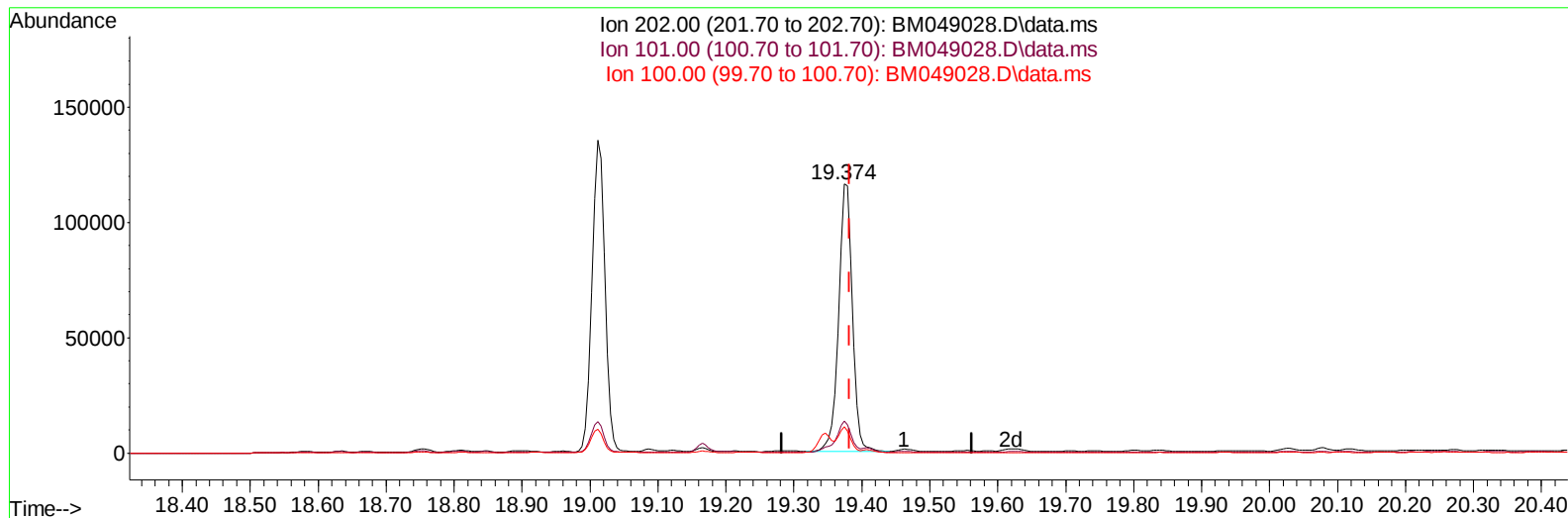
TIC: BM049028.D\data.ms

**(20) Pyrene****19.462min (+ 0.080) 0.02 ng/u1****response 1769**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.30  | 46.16# |
| 100.00 | 10.50  | 17.55# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

(20) Pyrene

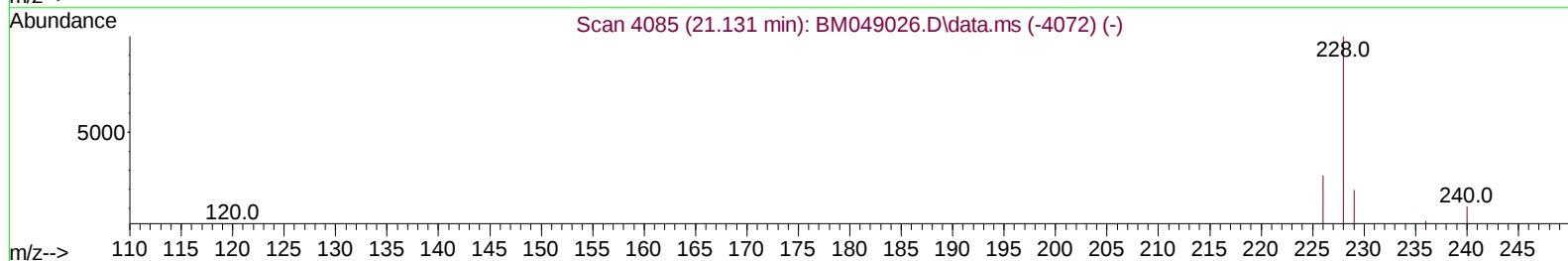
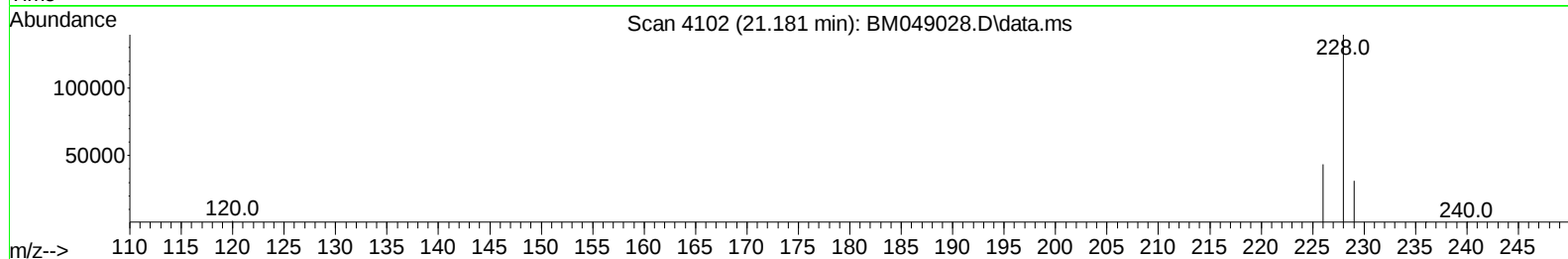
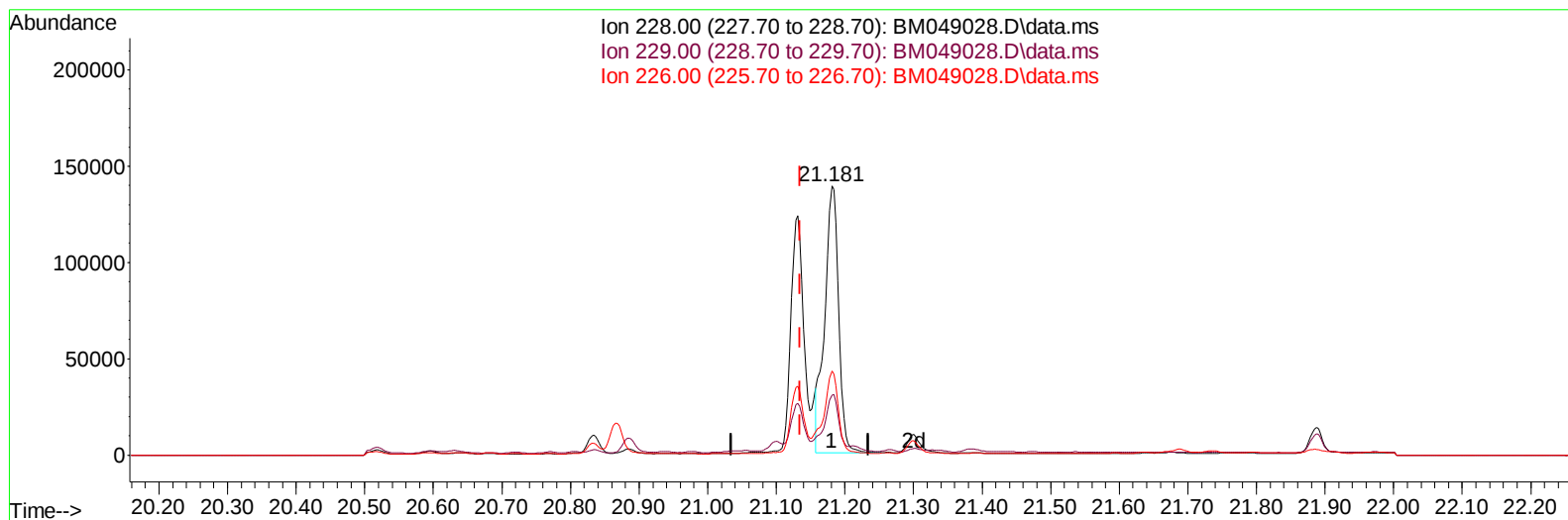
19.374min (-0.008) 1.77 ng/ul m

response 163152

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 13.30  | 11.95  |
| 100.00 | 10.50  | 9.74   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



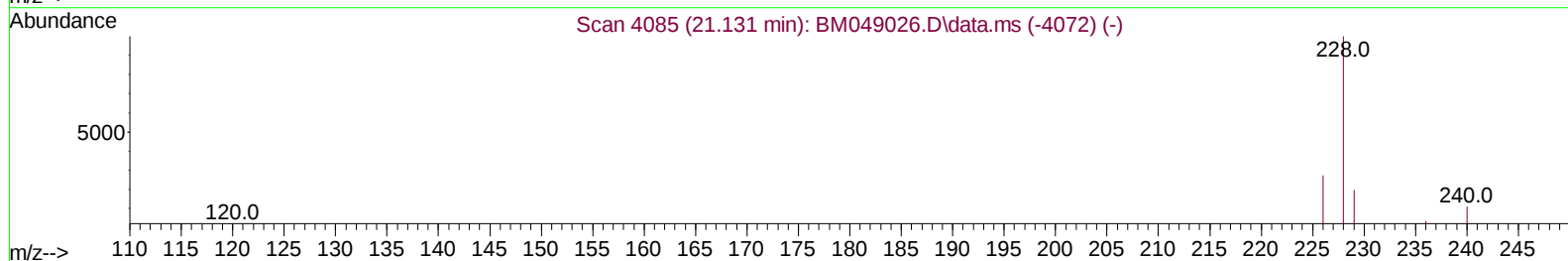
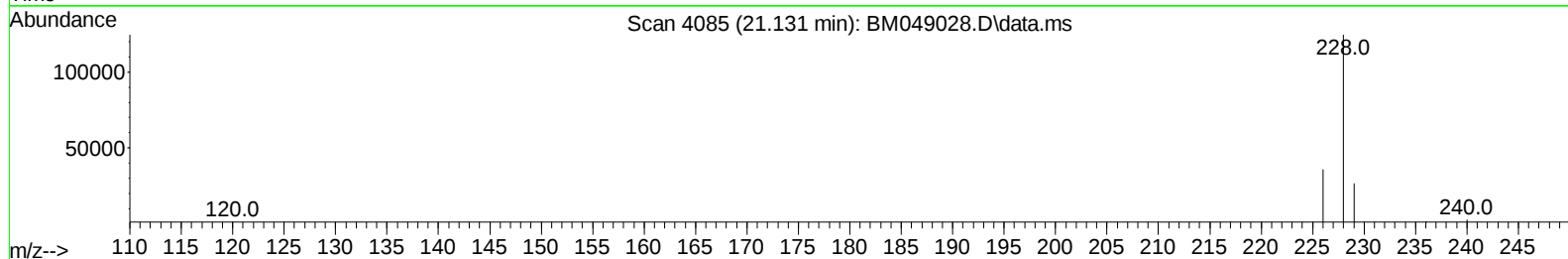
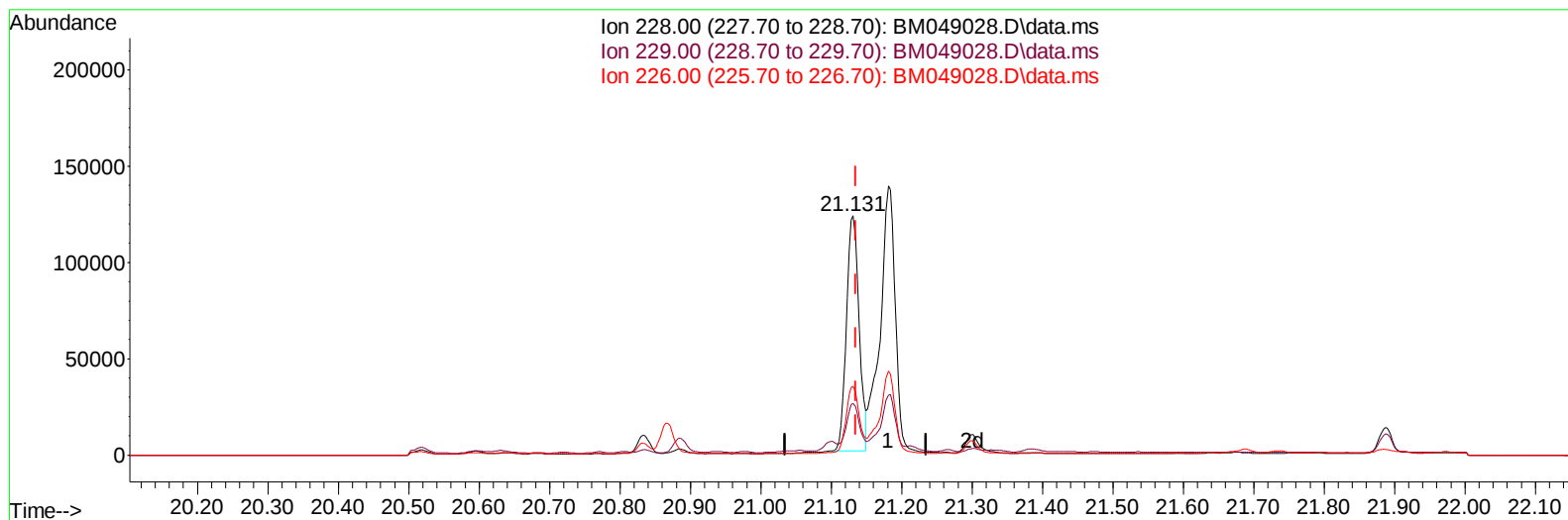
TIC: BM049028.D\data.ms

**(21) Benzo(a)anthracene****21.181min (+ 0.046) 2.68 ng/u1****response 194791**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60  | 22.38  |
| 226.00 | 28.70  | 31.19  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(21) Benzo(a)anthracene**

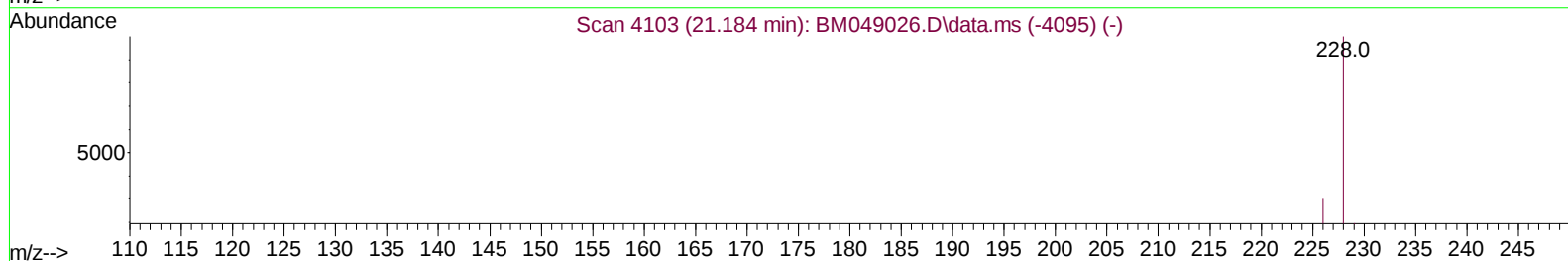
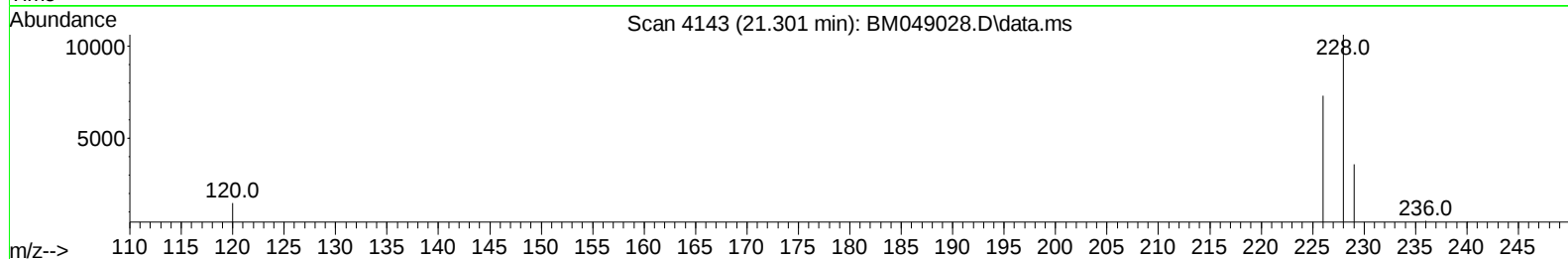
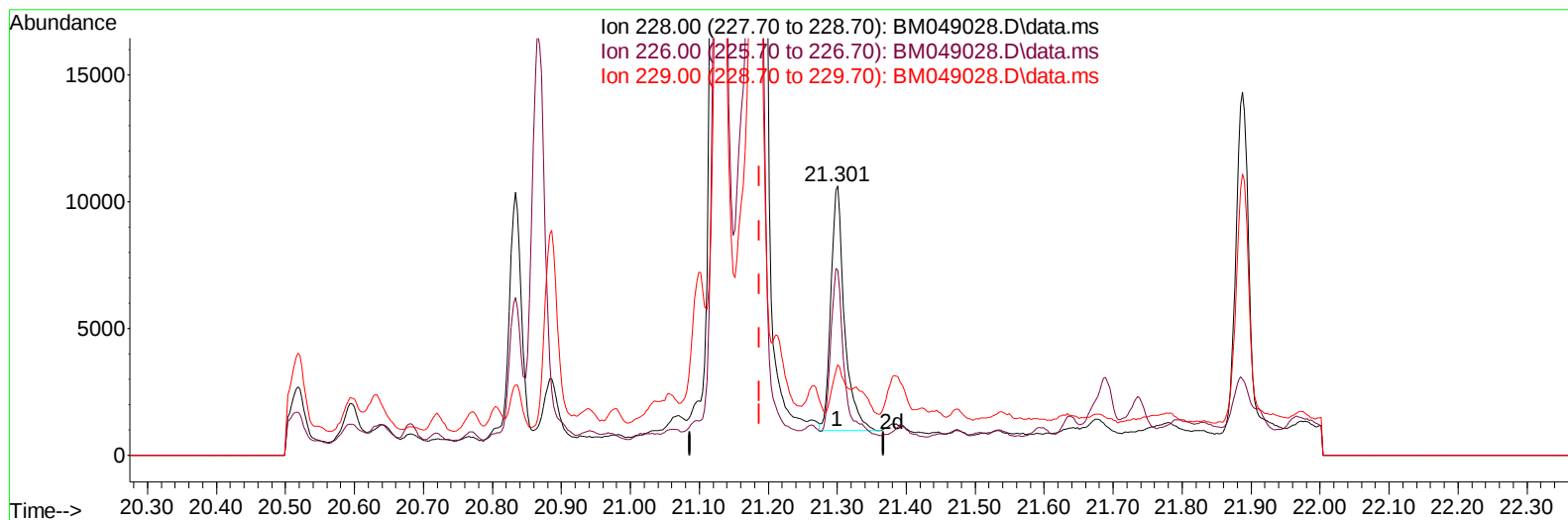
21.131min (-0.003) 2.11 ng/u1 m

response 153438

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 229.00 | 19.60  | 21.49  |
| 226.00 | 28.70  | 28.86  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(22) Chrysene**

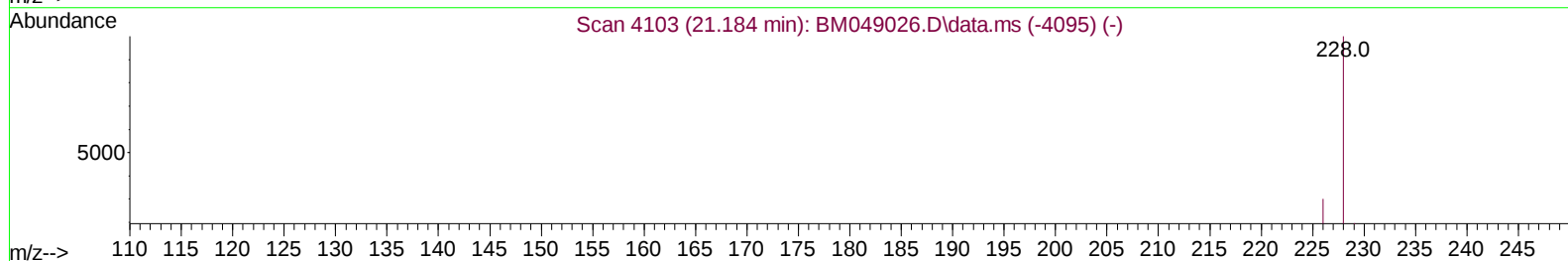
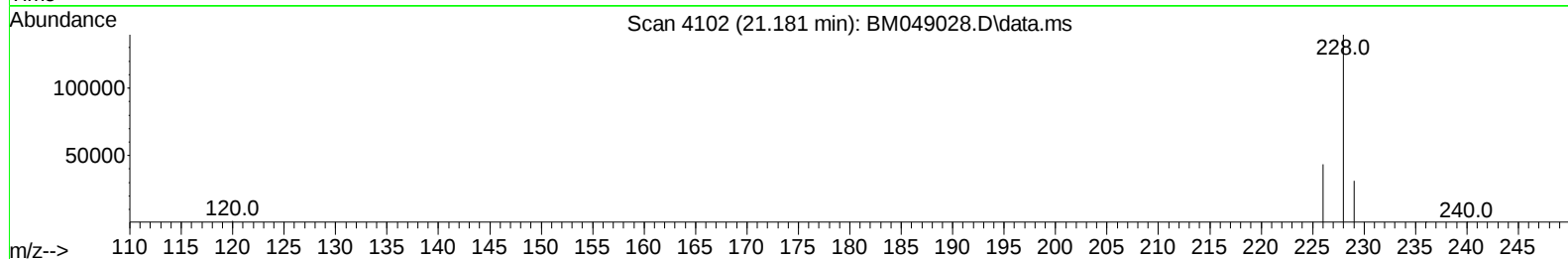
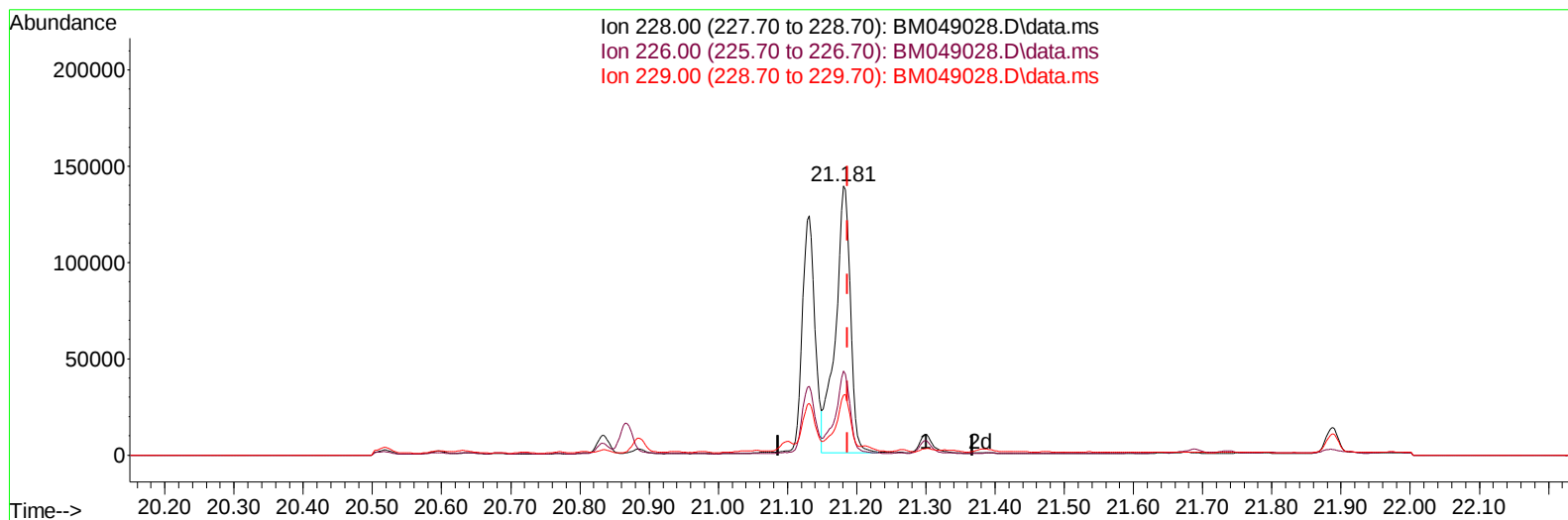
21.301min (+ 0.114) 0.16 ng/u1

response 13245

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 31.00  | 68.77# |
| 229.00 | 20.00  | 33.70# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

(22) Chrysene

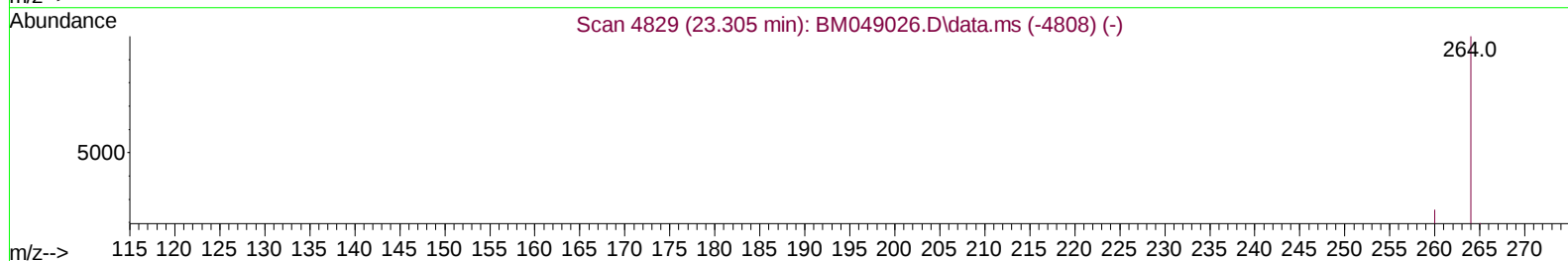
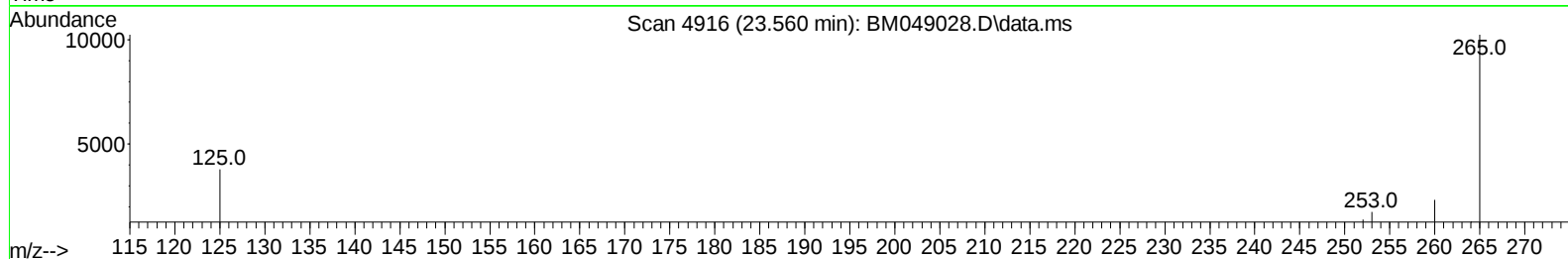
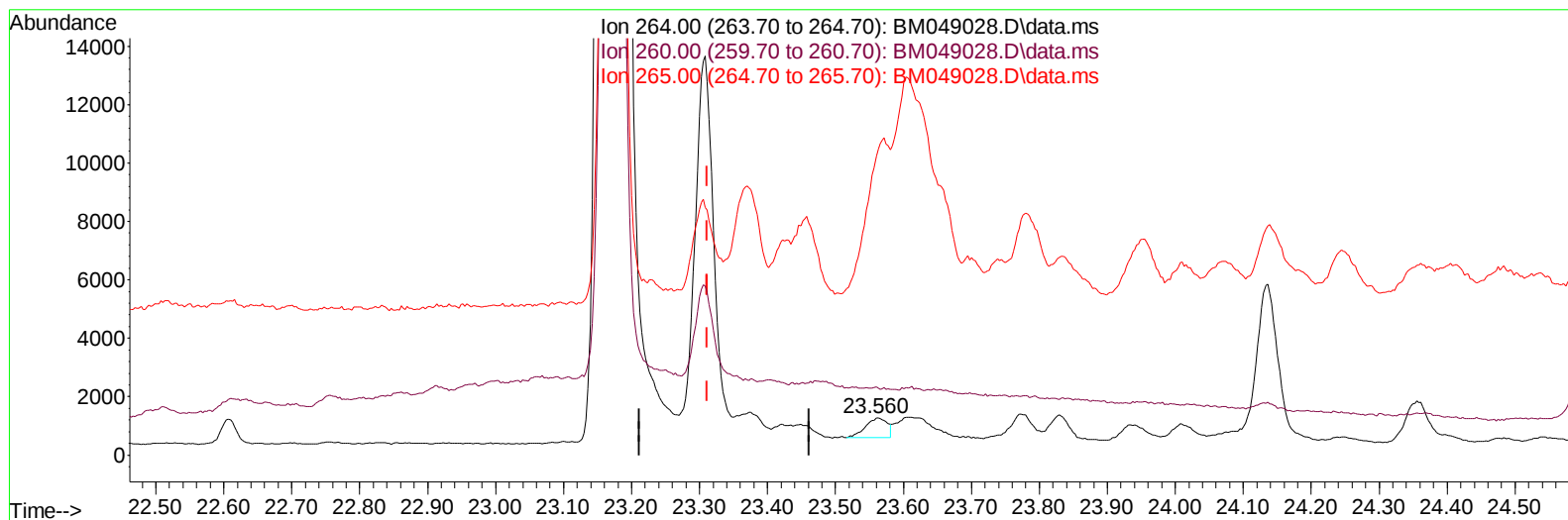
21.181min (-0.006) 2.56 ng/ul m

response 209803

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 31.00  | 31.19  |
| 229.00 | 20.00  | 22.38  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

(23) Perylene-d12 (I)

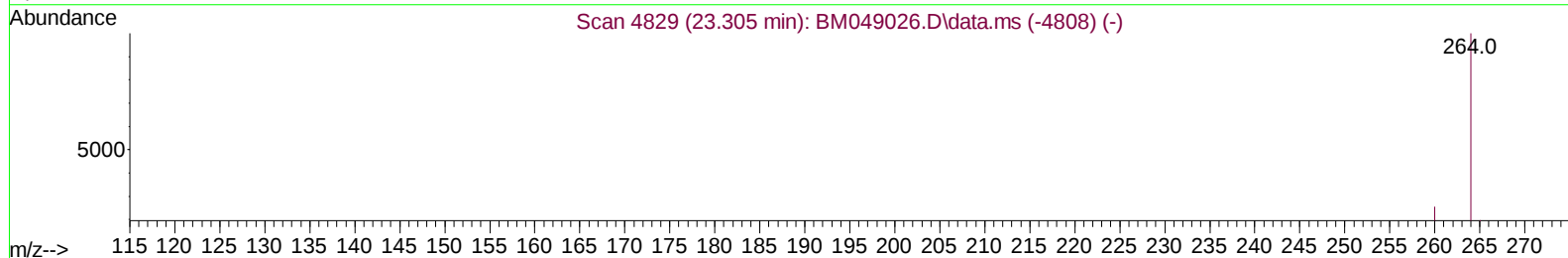
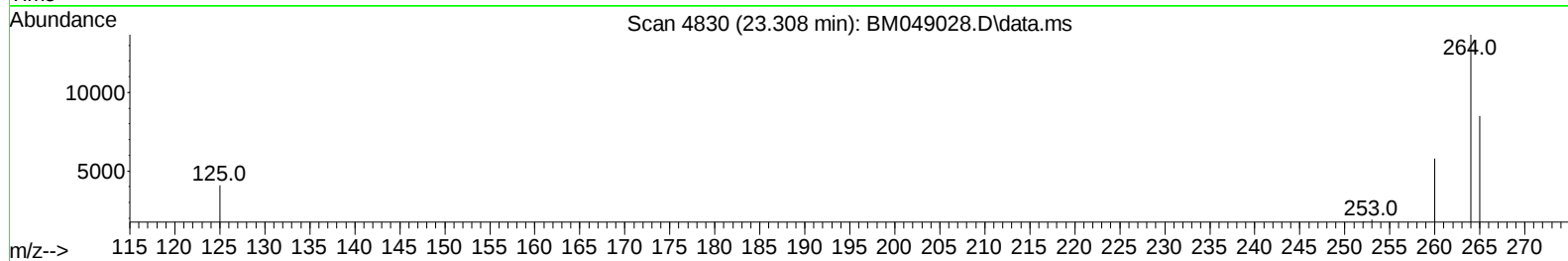
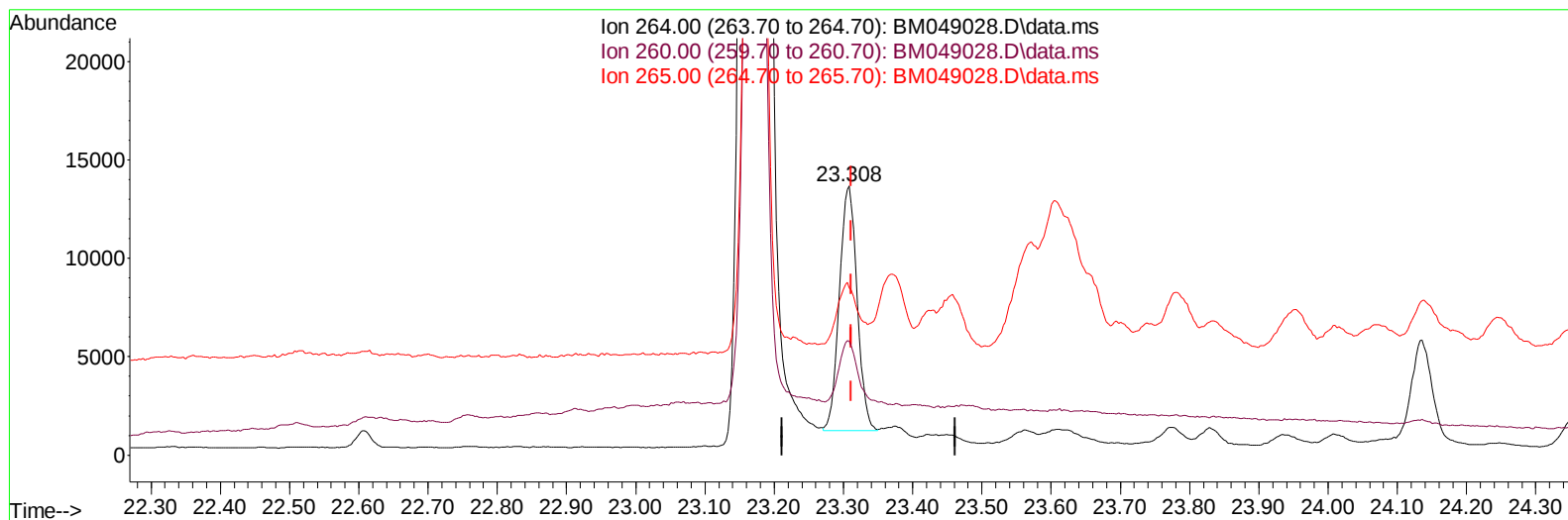
23.560min (+ 0.248) 0.40 ng/u1

response 1507

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 264.00 | 100.00 | 100.00  |
| 260.00 | 27.50  | 183.70# |
| 265.00 | 82.60  | 805.67# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(23) Perylene-d12 (I)**

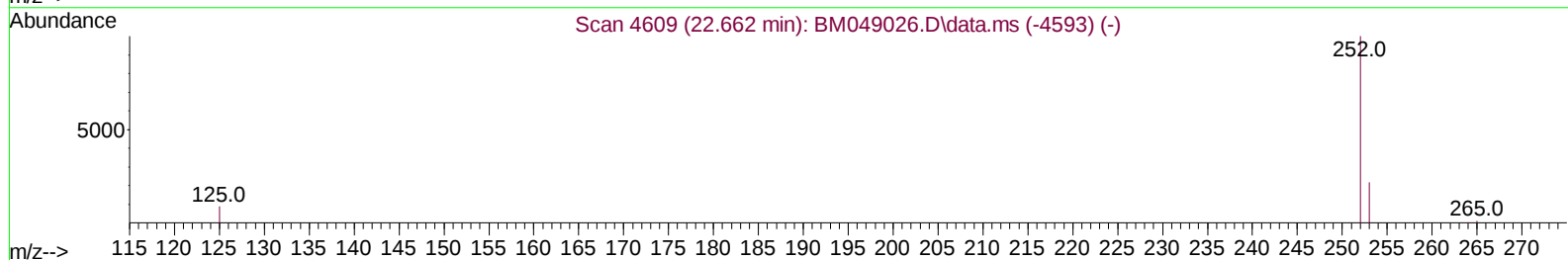
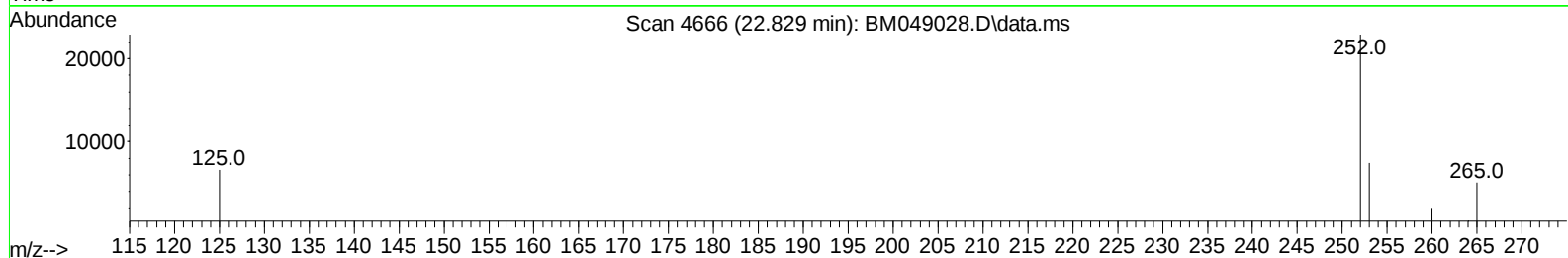
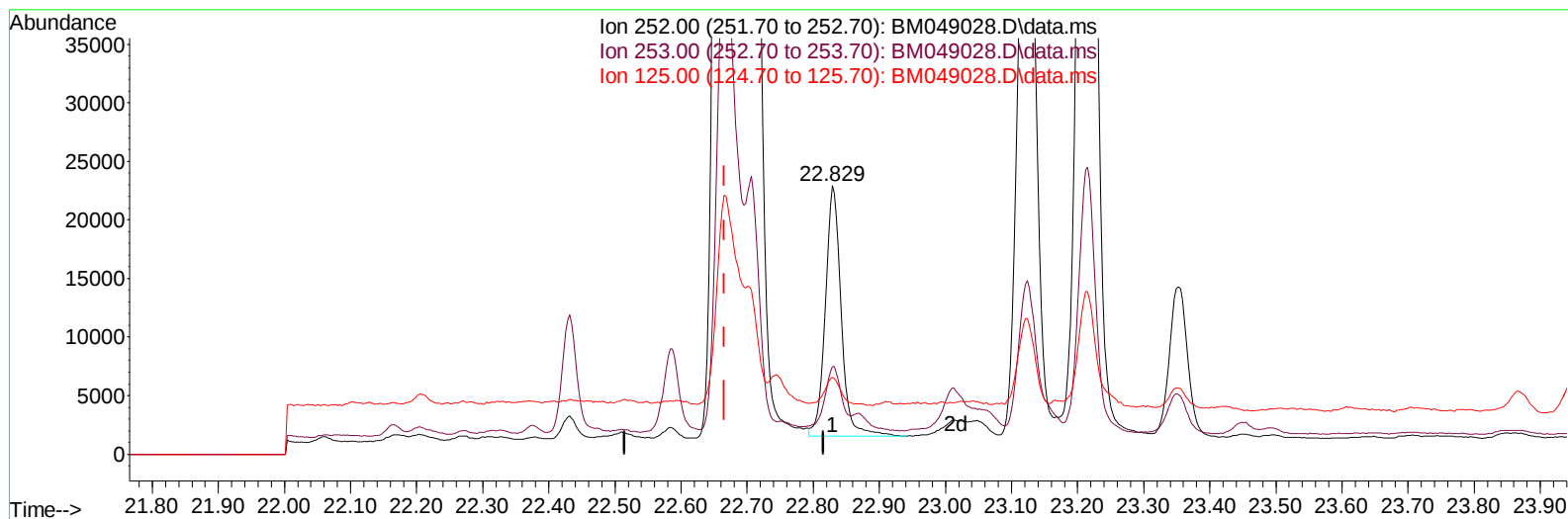
23.308min (-0.003) 0.40 ng/ul m

response 22046

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 264.00 | 100.00 | 100.00 |
| 260.00 | 27.50  | 42.29# |
| 265.00 | 82.60  | 62.10# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(24) Benzo(b)fluoranthene**

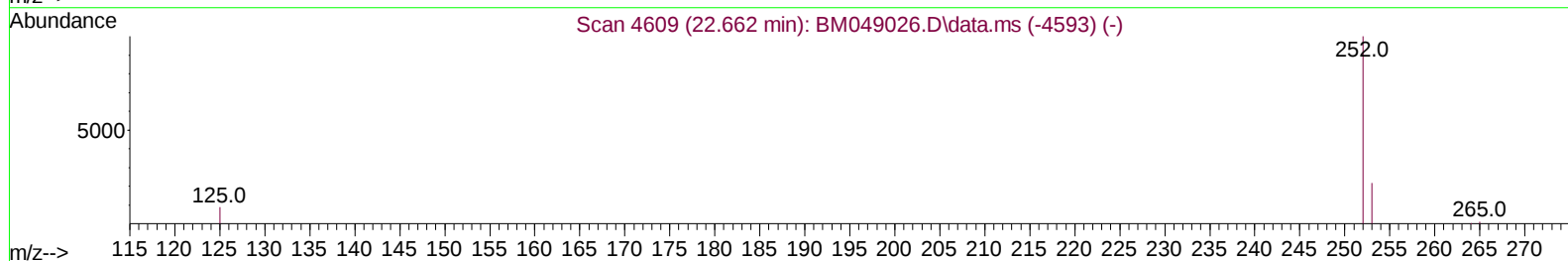
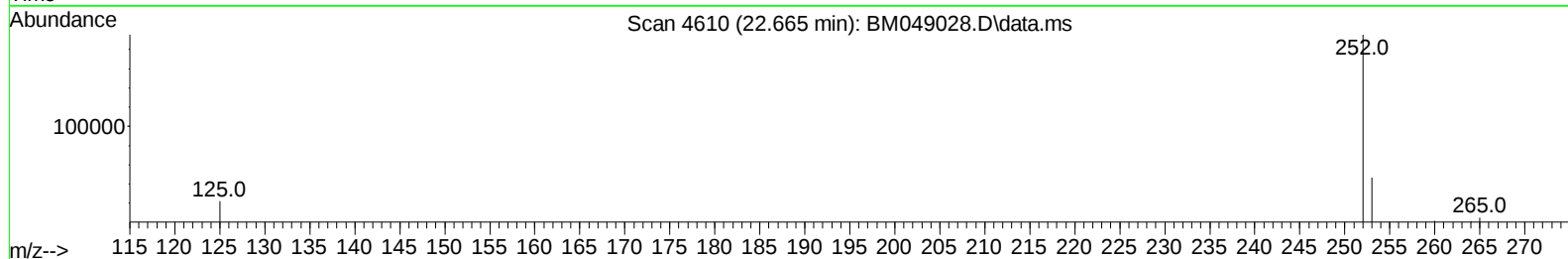
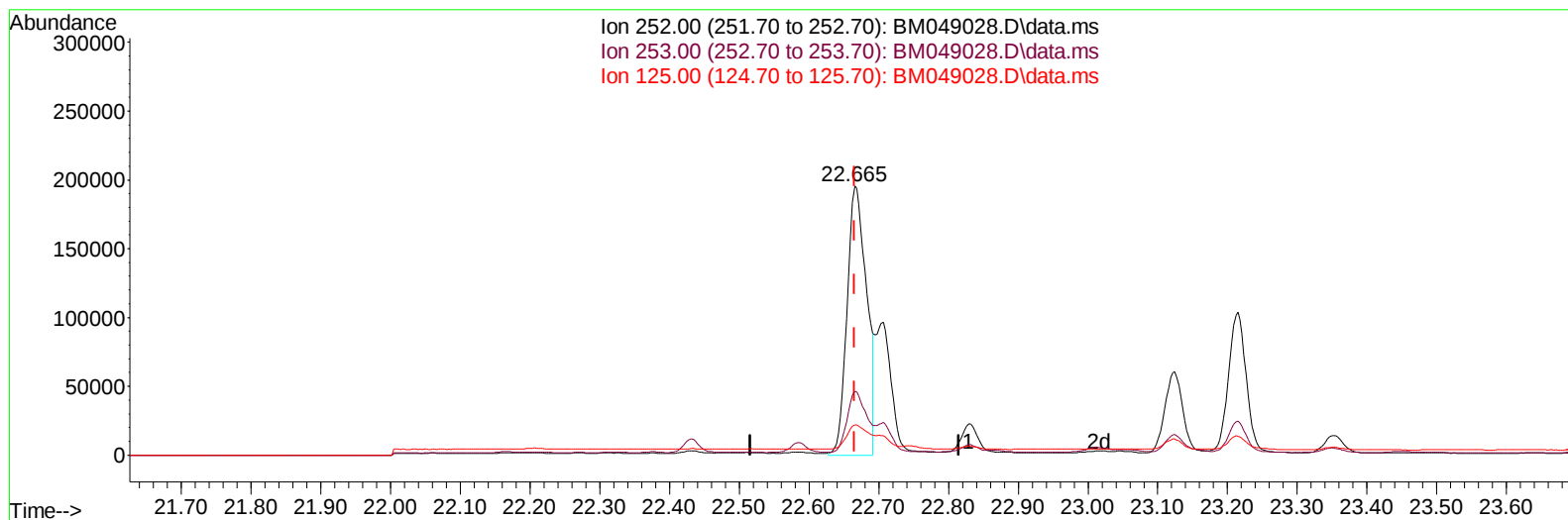
22.829min (+ 0.163) 0.47 ng/u1

response 36150

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.50  | 32.64  |
| 125.00 | 18.30  | 28.71  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(24) Benzo(b)fluoranthene**

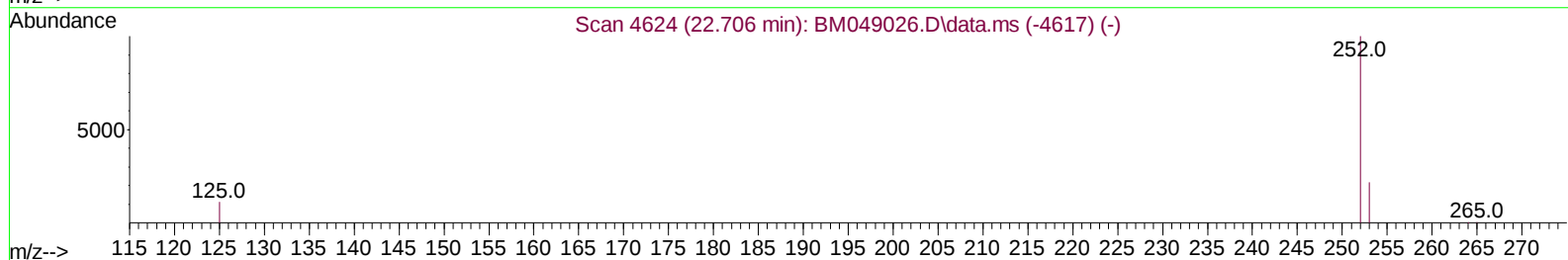
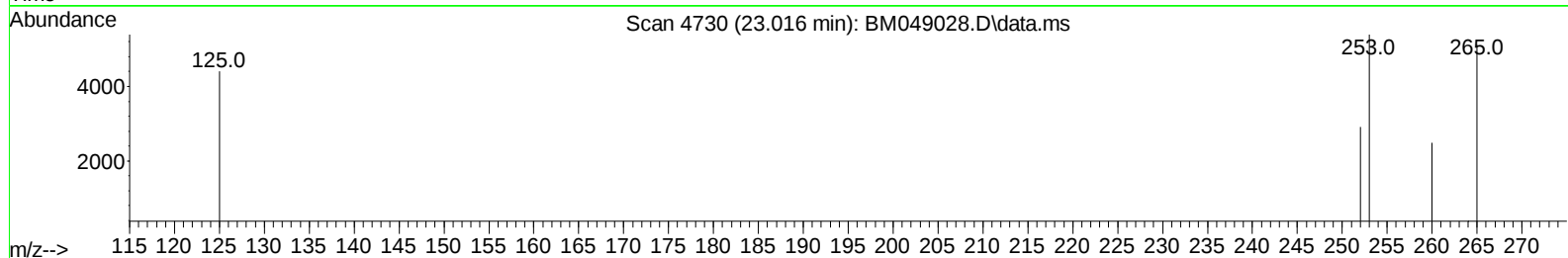
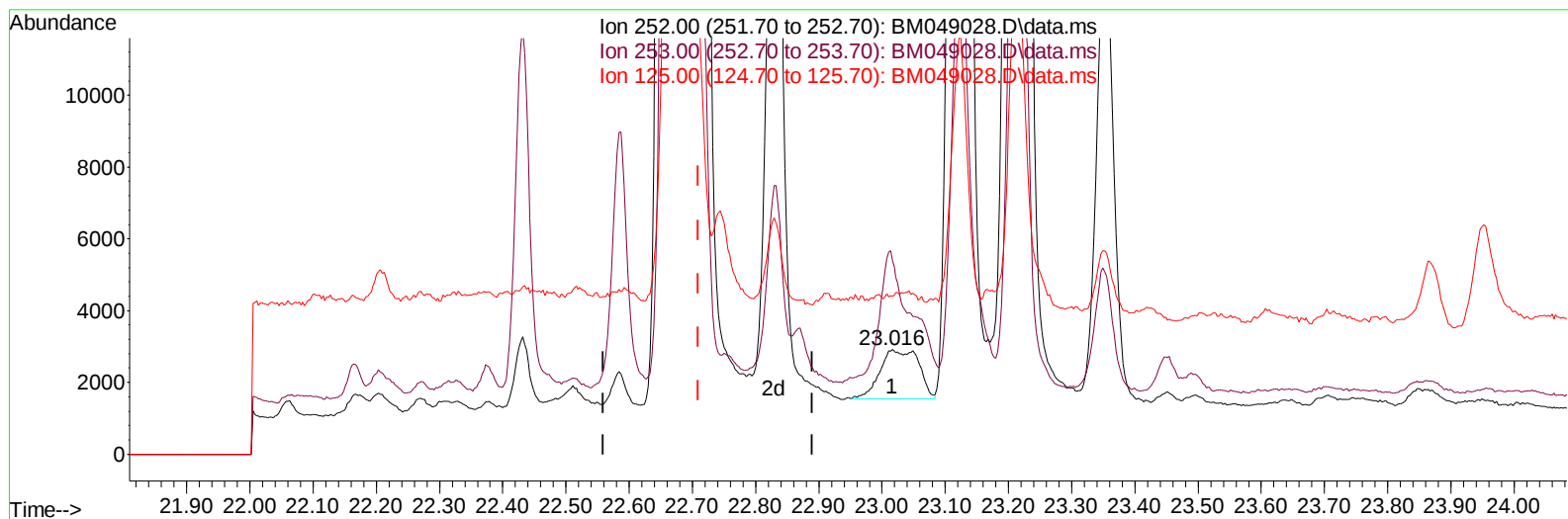
22.665min (-0.000) 5.00 ng/u1 m

response 381160

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.50  | 23.77  |
| 125.00 | 18.30  | 11.30  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

(25) Benzo(k)fluoranthene

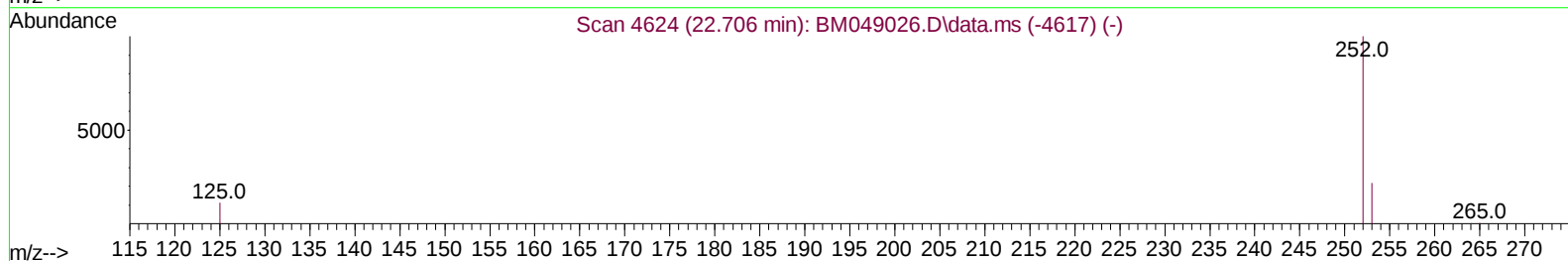
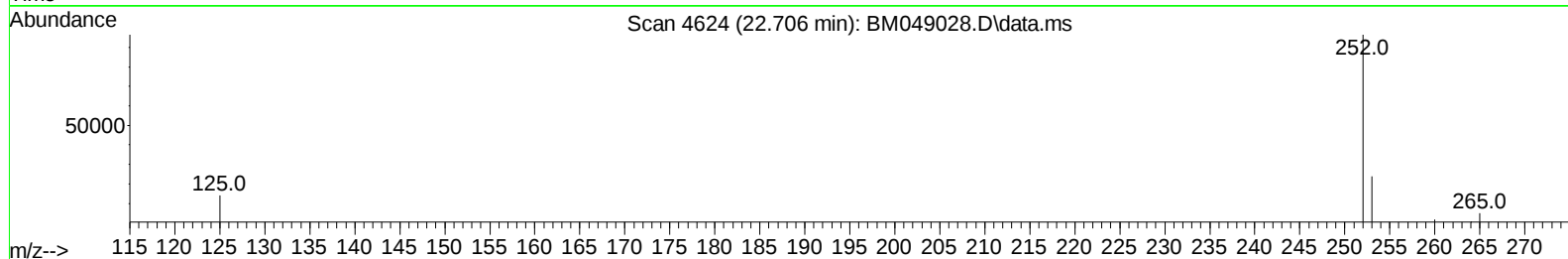
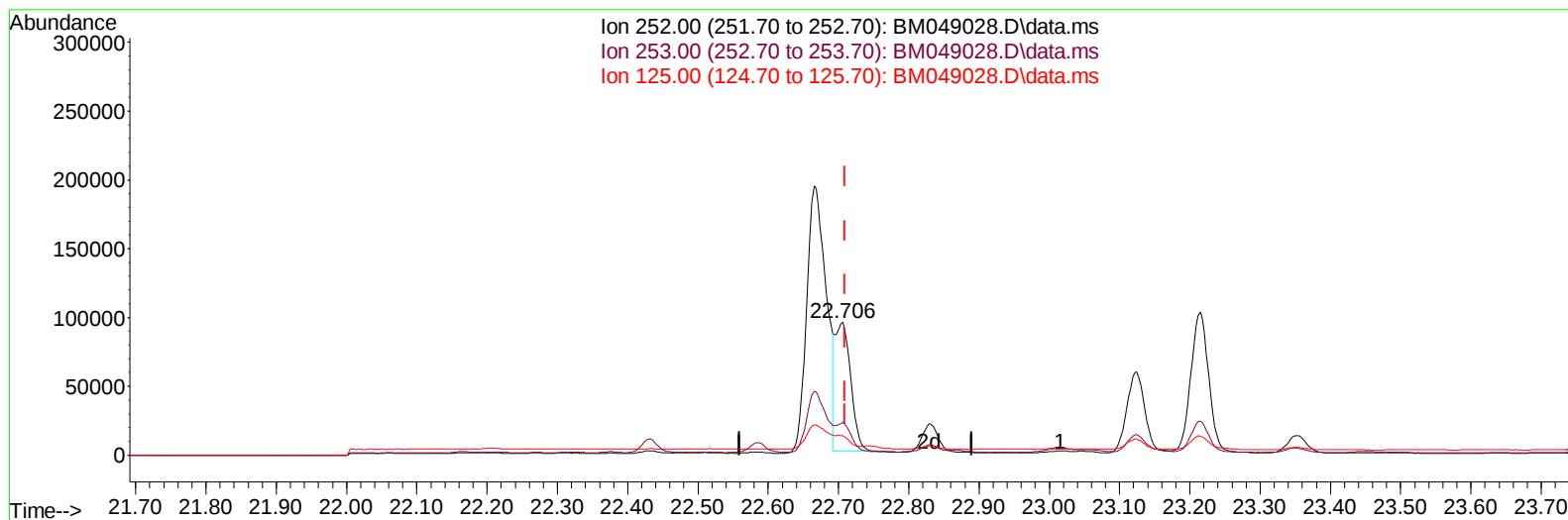
23.016min (+ 0.307) 0.07 ng/u1

response 5804

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 252.00 | 100.00 | 100.00  |
| 253.00 | 25.60  | 185.23# |
| 125.00 | 21.60  | 151.19# |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(25) Benzo(k)fluoranthene**

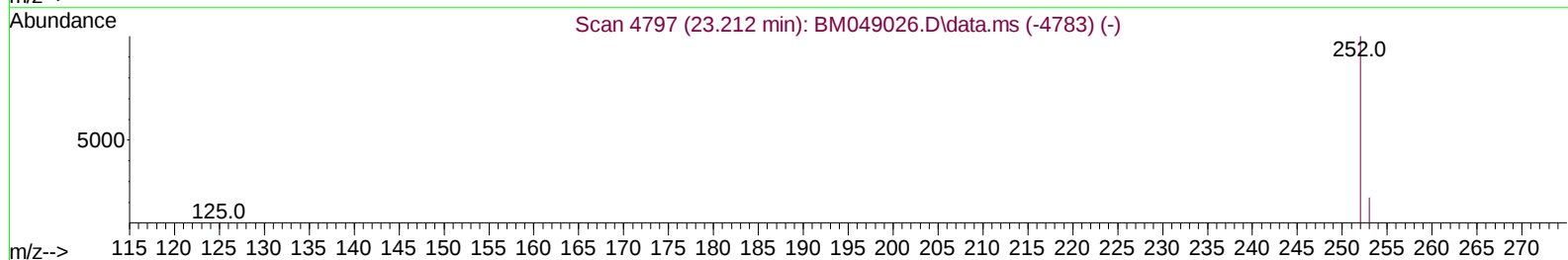
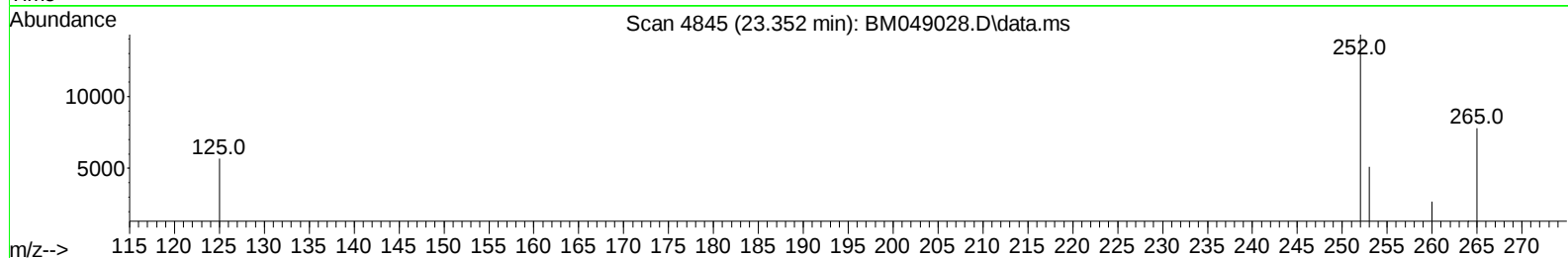
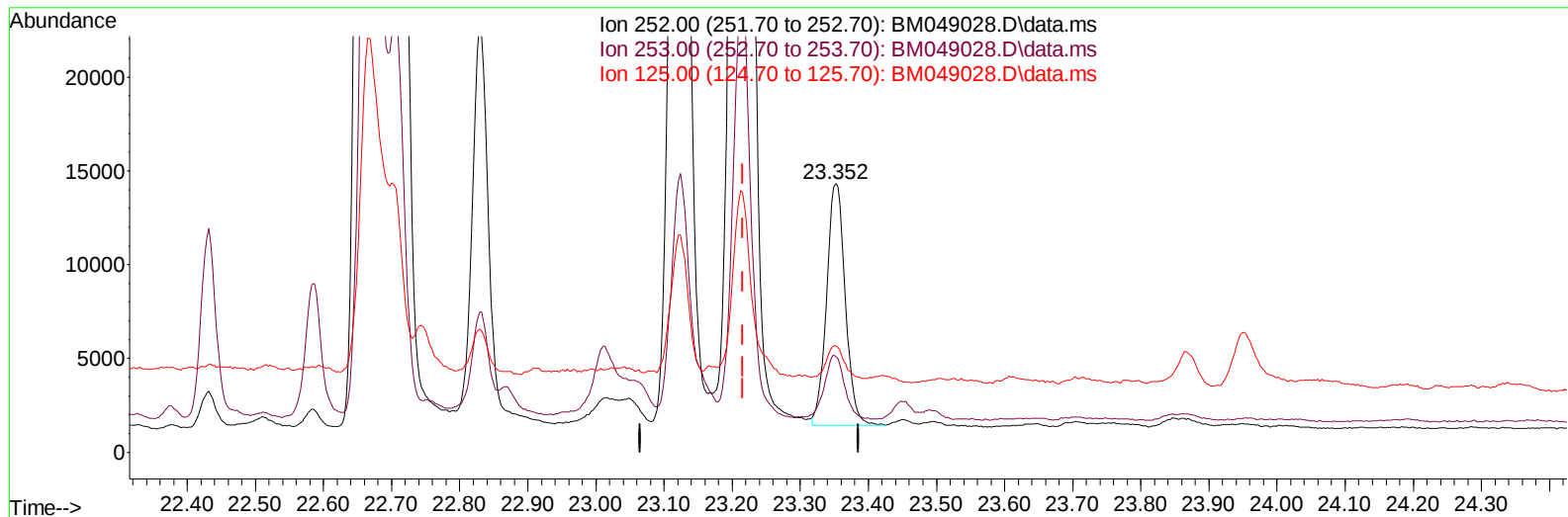
**22.706min (-0.003) 1.63 ng/ul m**

**response 143988**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 25.60  | 24.60  |
| 125.00 | 21.60  | 14.56# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

(26) Benzo(a)pyrene (C)

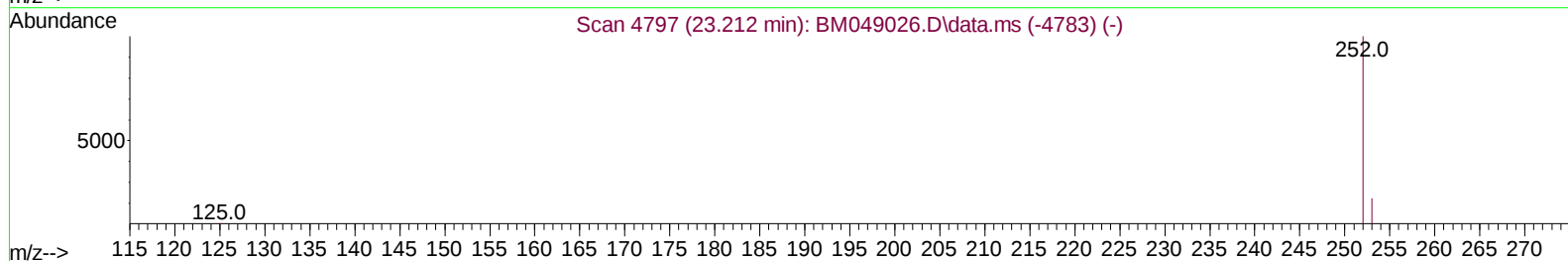
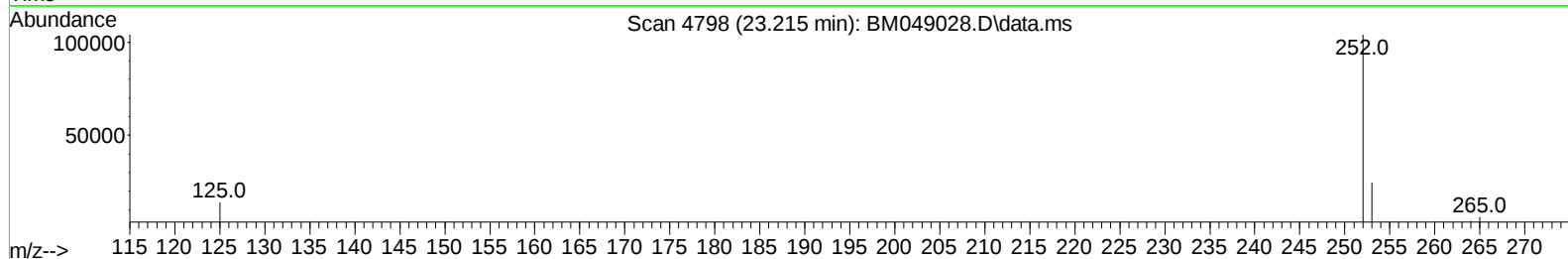
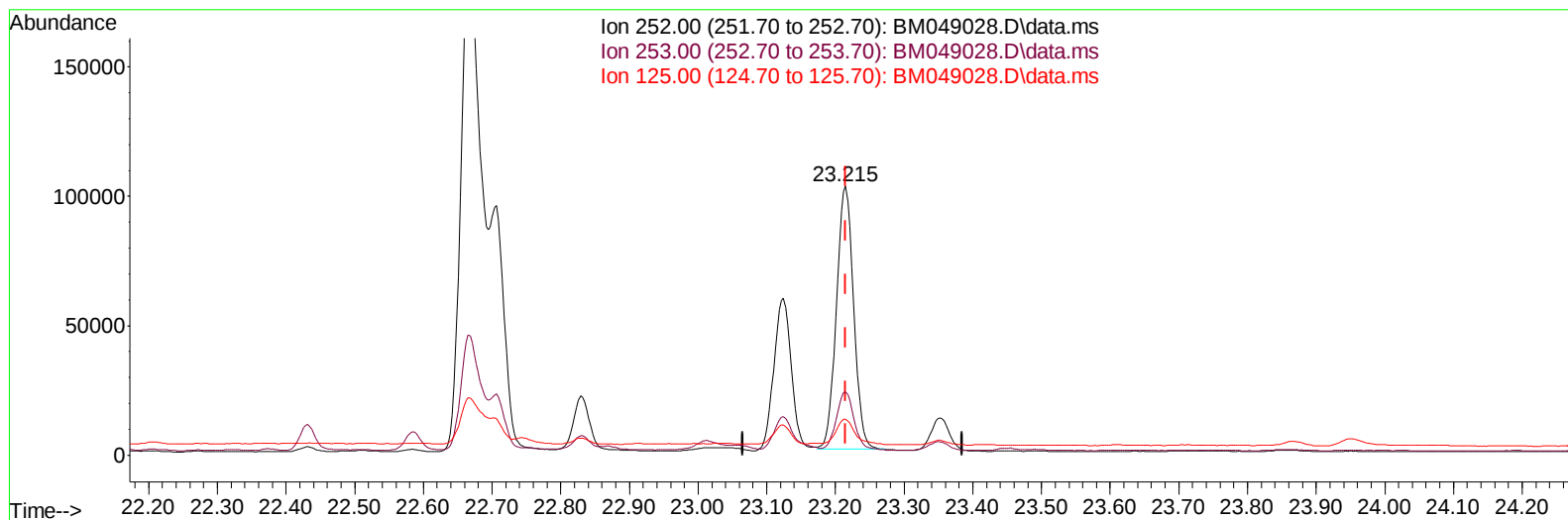
23.352min (+ 0.137) 0.35 ng/u1

response 24525

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.30  | 35.61# |
| 125.00 | 23.20  | 39.57# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(26) Benzo(a)pyrene (C)**

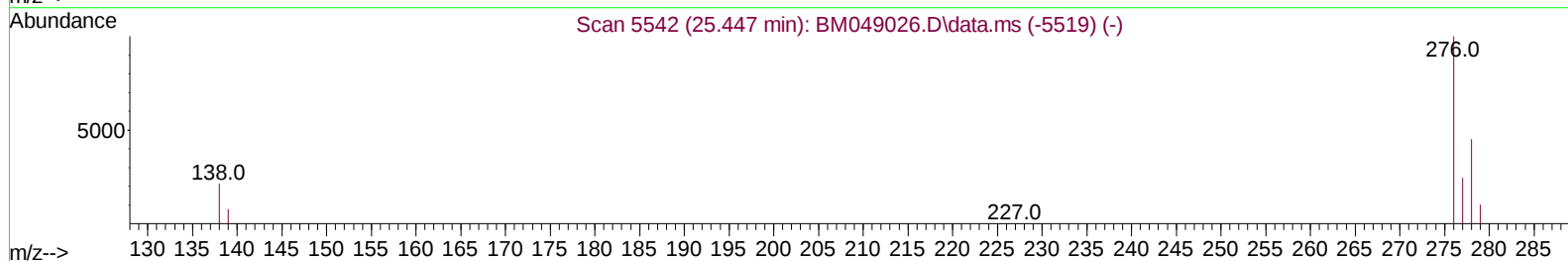
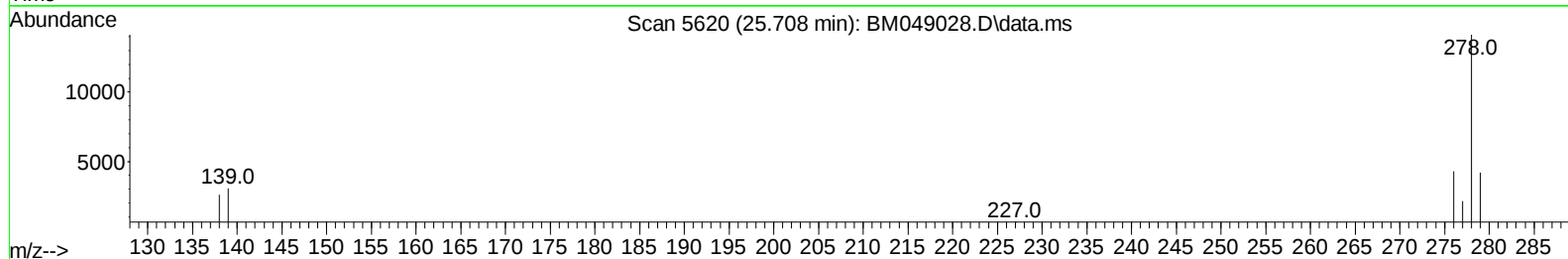
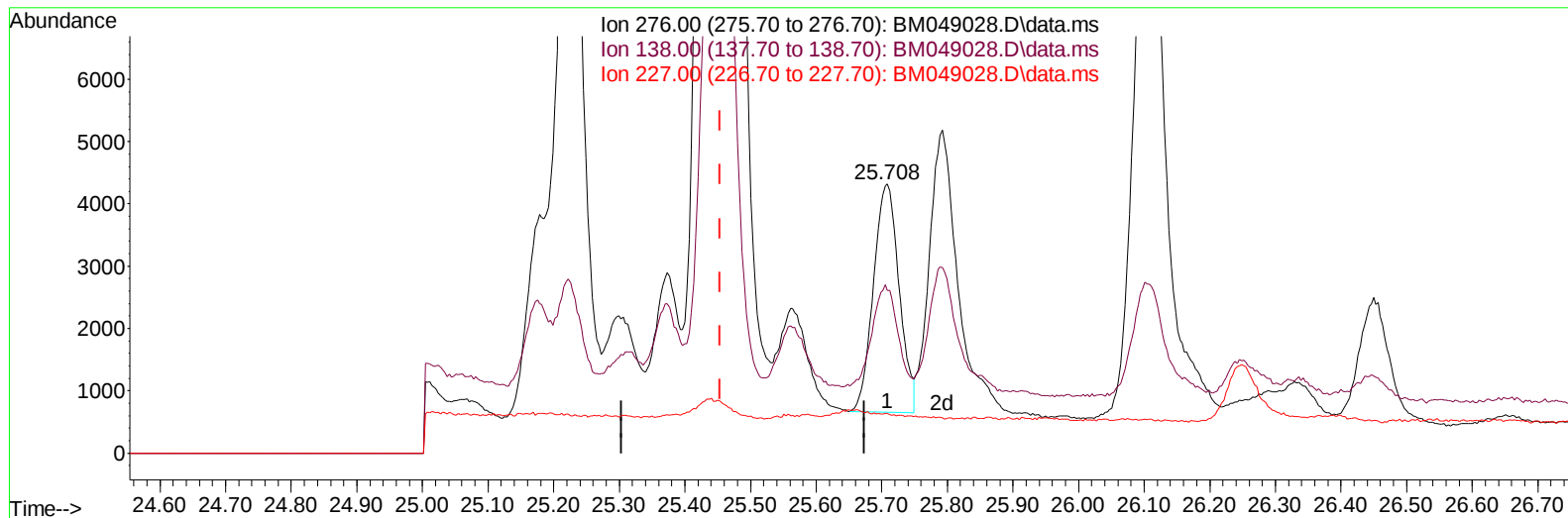
23.215min (-0.000) 2.52 ng/u1 m

response 177466

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.30  | 23.59  |
| 125.00 | 23.20  | 13.32# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(27) Indeno(1,2,3-cd)pyrene**

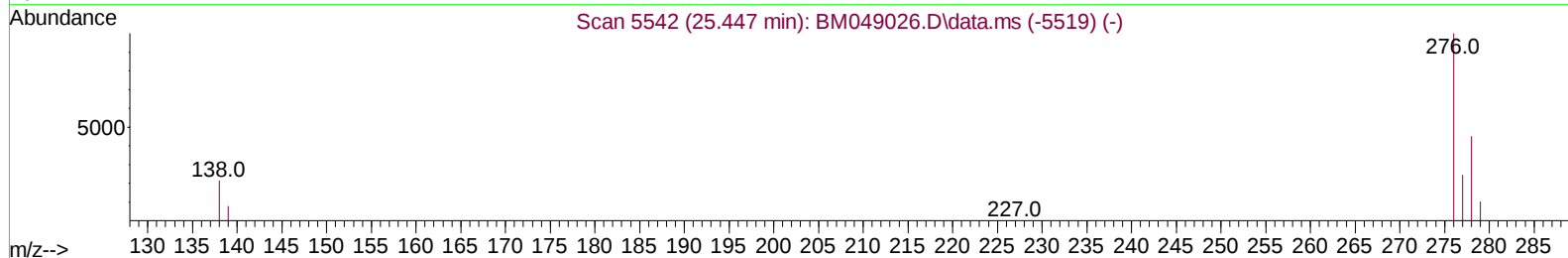
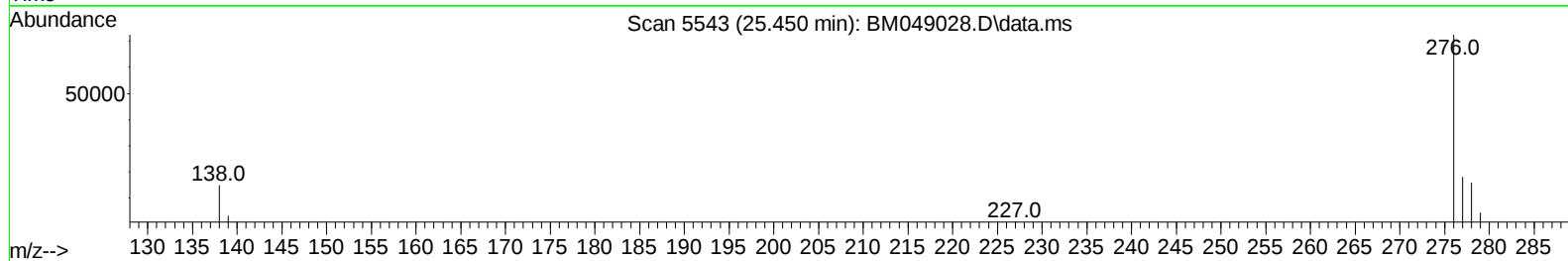
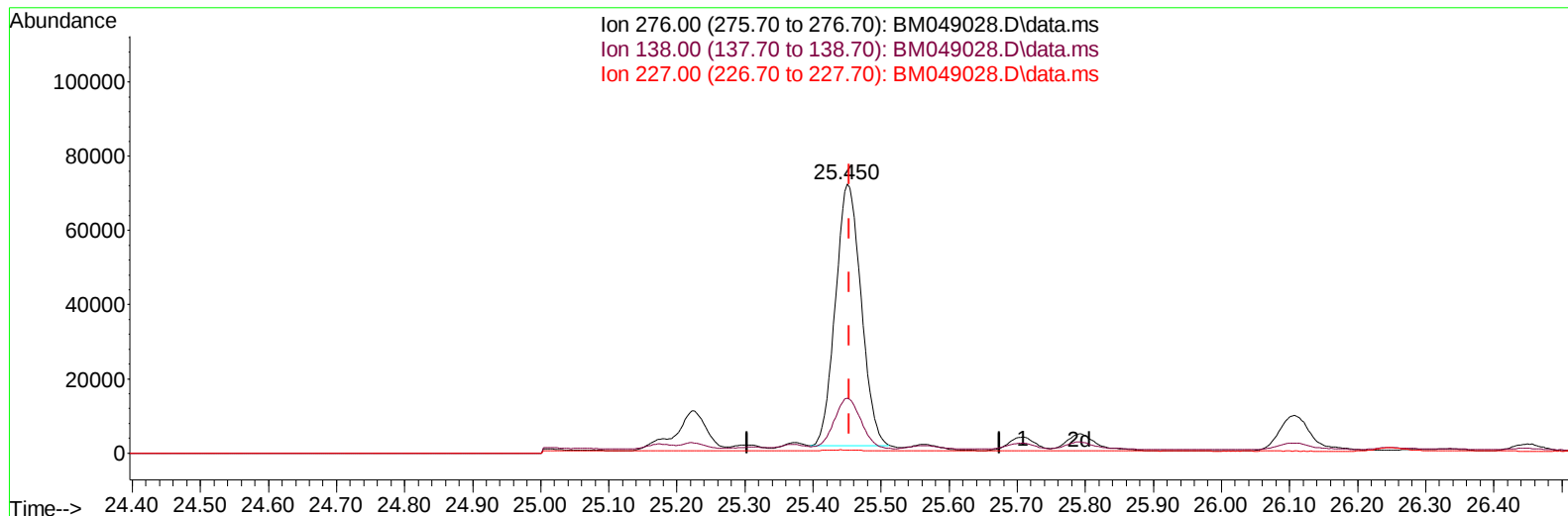
25.708min (+ 0.255) 0.10 ng/u1

response 10001

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 27.60  | 43.86# |
| 227.00 | 0.20   | 0.00#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(27) Indeno(1,2,3-cd)pyrene**

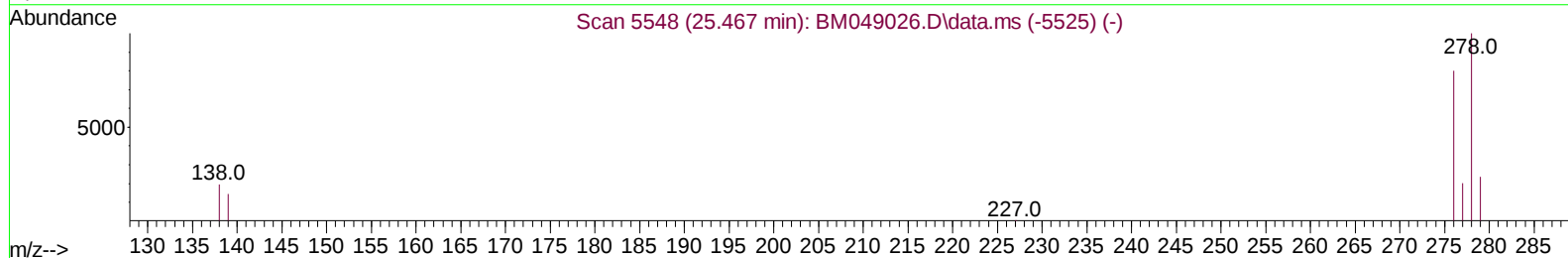
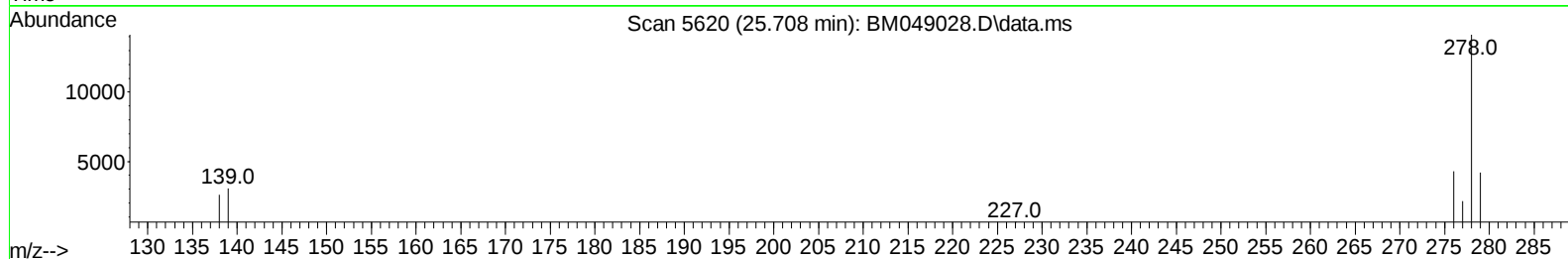
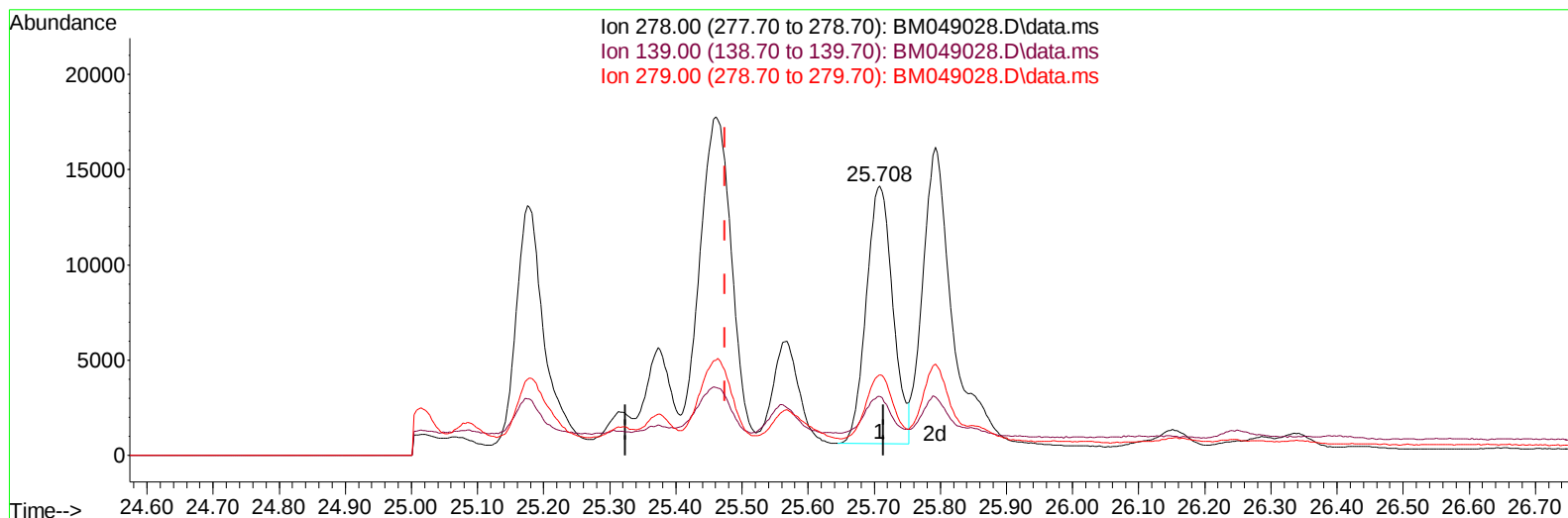
25.450min (-0.004) 1.87 ng/ul m

response 184977

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 27.60  | 2.37#  |
| 227.00 | 0.20   | 0.00#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

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

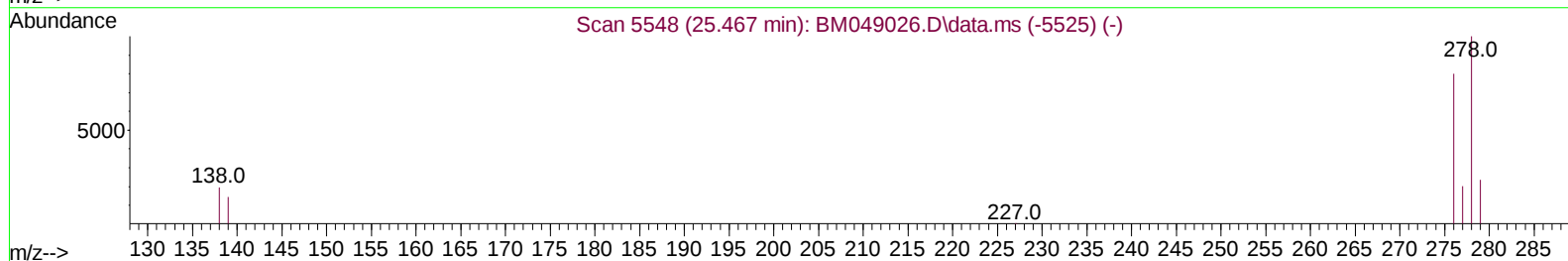
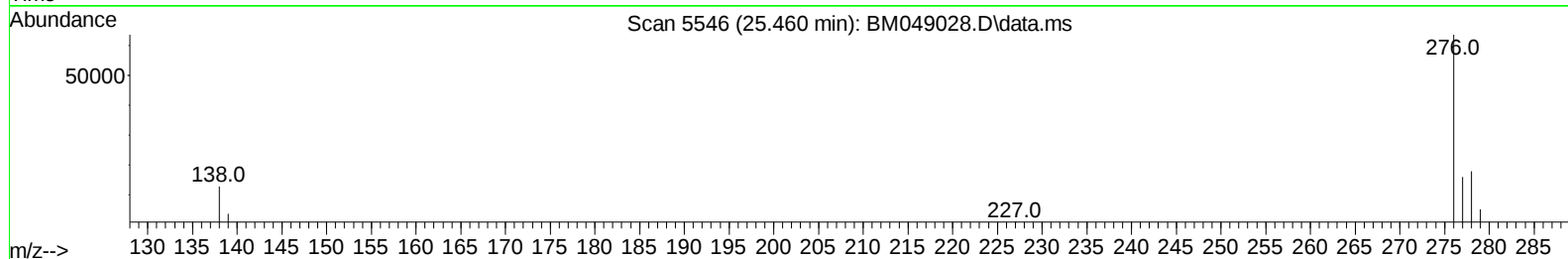
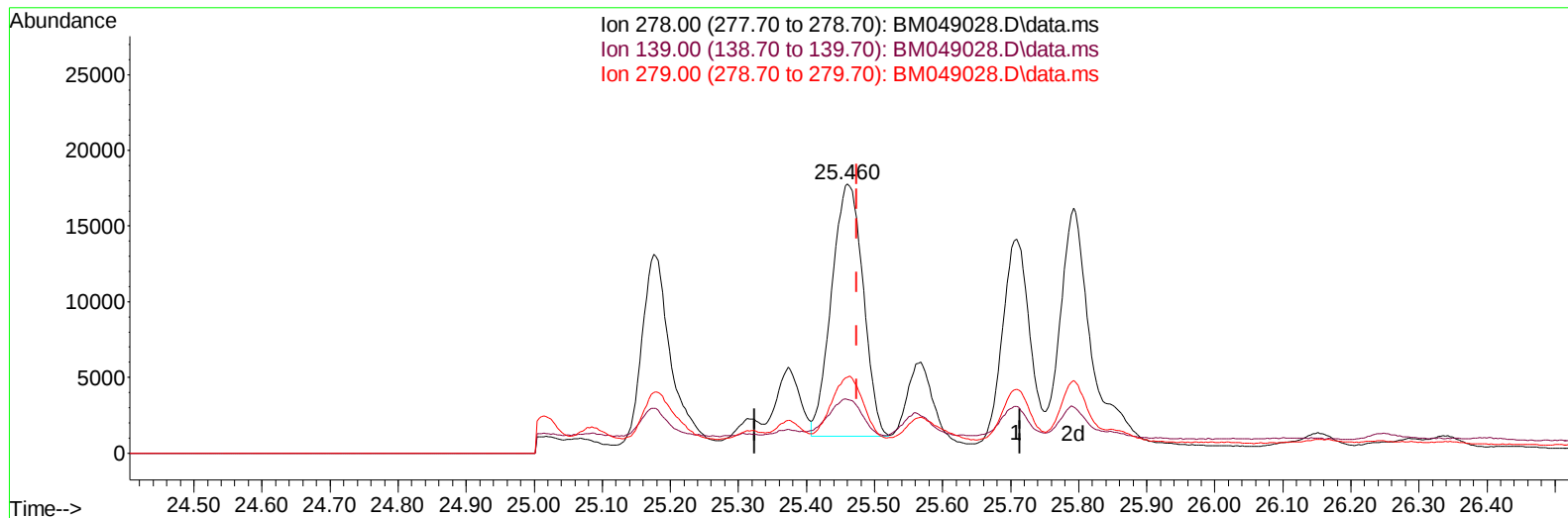
**25.708min (+ 0.234) 0.49 ng/u1**

**response 37873**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 21.70  | 21.73  |
| 279.00 | 26.40  | 29.73  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

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

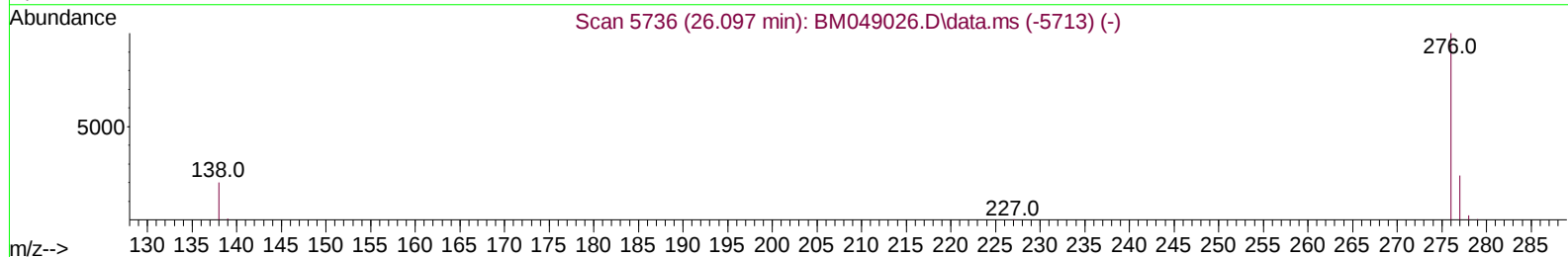
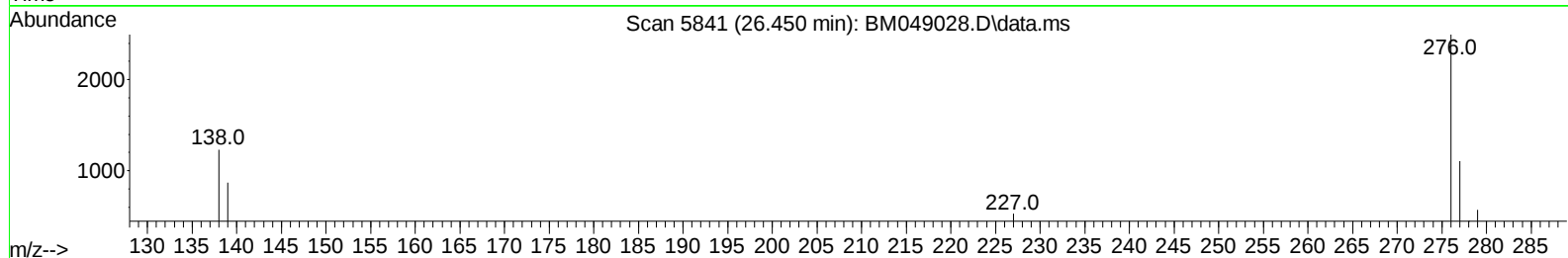
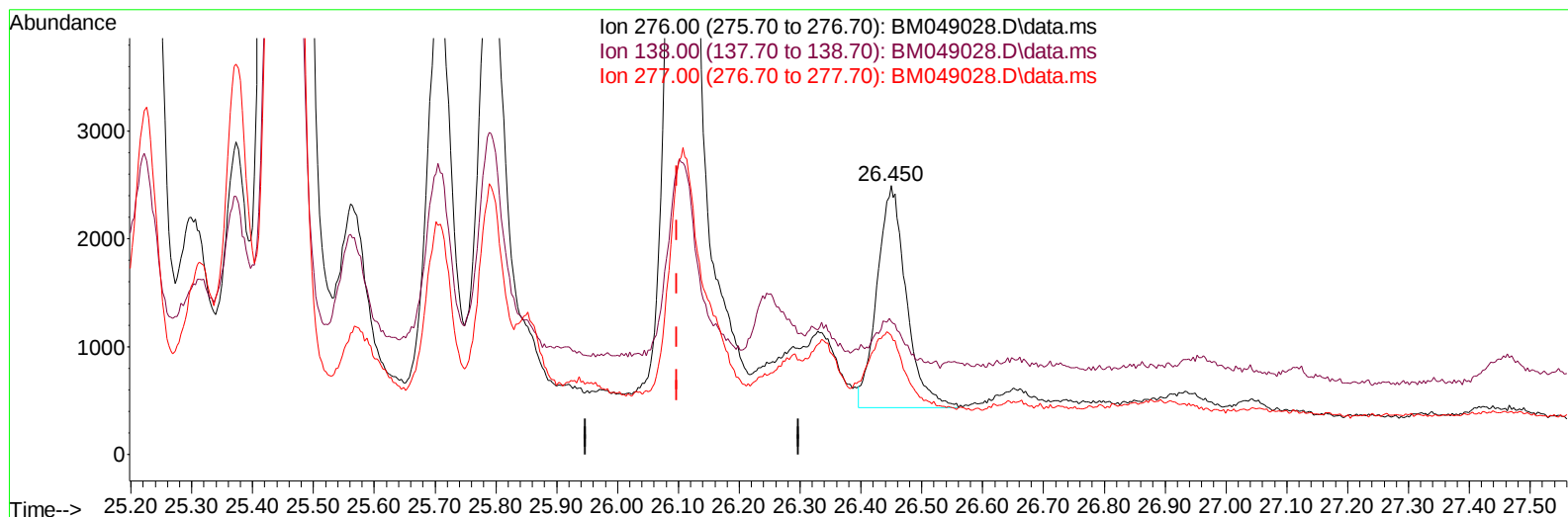
**25.460min (-0.014) 0.70 ng/ul m**

**response 53688**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 21.70  | 19.95  |
| 279.00 | 26.40  | 28.12  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(29) Benzo(g,h,i)perylene**

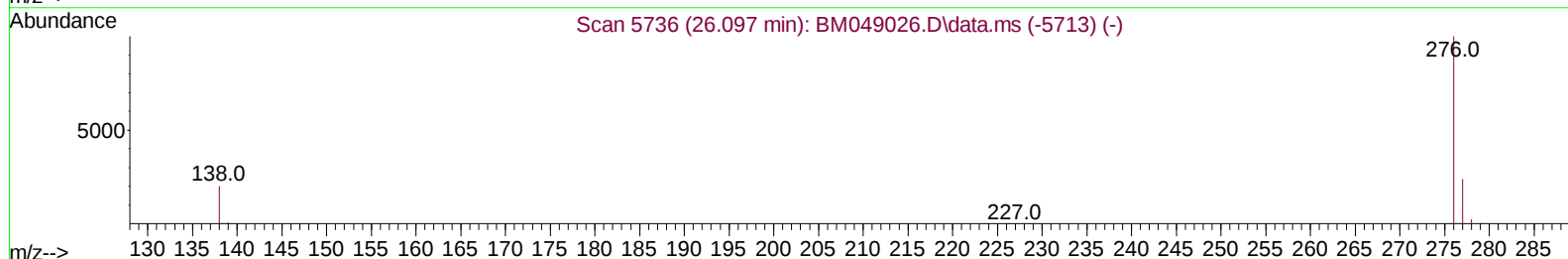
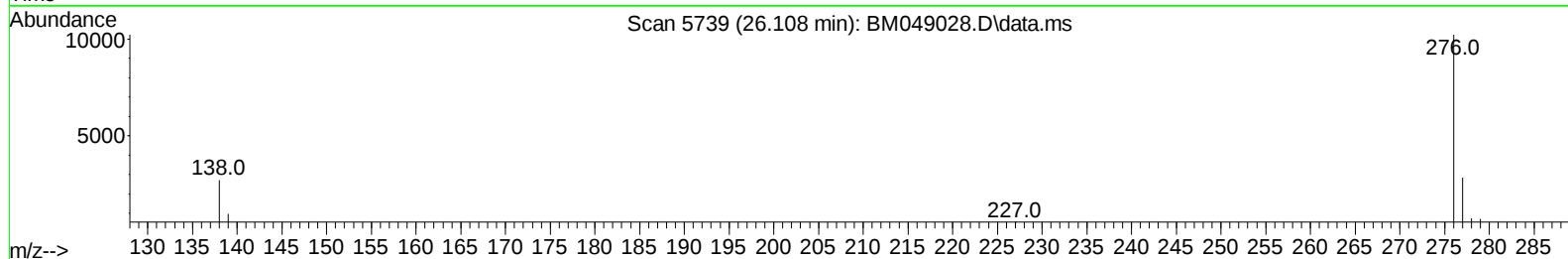
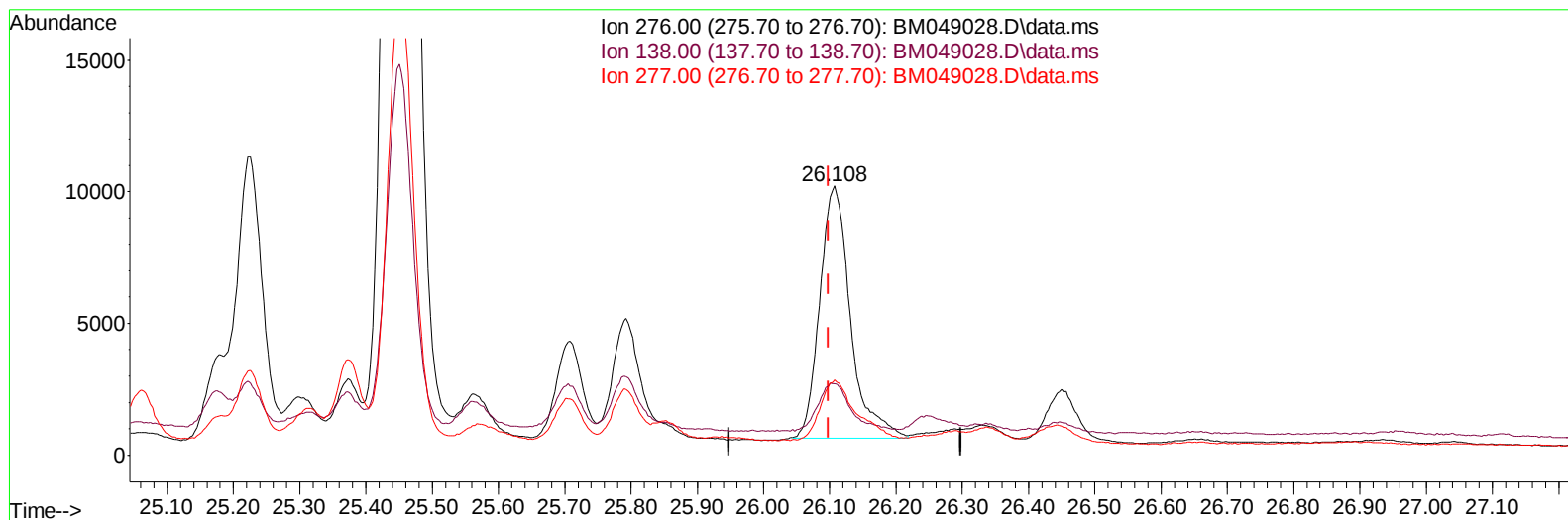
**26.450min (+ 0.352) 0.09 ng/u1**

**response 6844**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.70  | 49.44# |
| 277.00 | 24.50  | 44.35# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
Data File : BM049028.D  
Acq On : 17 Dec 2024 19:25  
Operator : RC/JU  
Sample : P5155-14  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 17 10:03:27 2024  
Response via : Initial Calibration



TIC: BM049028.D\data.ms

**(29) Benzo(g,h,i)perylene**

**26.108min (+ 0.010) 0.39 ng/ul m**

**response 30714**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.70  | 26.51  |
| 277.00 | 24.50  | 27.90  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121724\  
 Data File : BM049028.D  
 Acq On : 17 Dec 2024 19:25  
 Operator : RC/JU  
 Sample : P5155-14  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 18 01:28:38 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM120924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 17 10:03:27 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.569  | 152  | 7165     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.332 | 136  | 20698    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.201 | 164  | 11019    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.951 | 188  | 23916m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.146 | 240  | 20619m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.308 | 264  | 22046m   | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96   | 27614    | 3.298 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.926 | 152  | 5178     | 0.196 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.984 | 212  | 9061m    | 0.147 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.381 | 128  | 50746    | 0.956 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.003 | 142  | 17214    | 0.531 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.223 | 142  | 7260     | 0.220 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.919 | 152  | 5659     | 0.122 | ng/ul# | 93       |
| 11) Acenaphthene            | 14.266 | 153  | 4119     | 0.117 | ng/ul  | 99       |
| 12) Fluorene                | 15.256 | 166  | 3944     | 0.101 | ng/ul# | 93       |
| 15) Phenanthrene            | 16.989 | 178  | 77229m   | 1.178 | ng/ul  |          |
| 19) Fluoranthene            | 19.011 | 202  | 180212m  | 2.108 | ng/ul  |          |
| 20) Pyrene                  | 19.374 | 202  | 163152m  | 1.770 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.131 | 228  | 153438m  | 2.115 | ng/ul  |          |
| 22) Chrysene                | 21.181 | 228  | 209803m  | 2.556 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.665 | 252  | 381160m  | 5.003 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.706 | 252  | 143988m  | 1.634 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.215 | 252  | 177466m  | 2.519 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.450 | 276  | 184977m  | 1.869 | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 25.460 | 278  | 53688m   | 0.697 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 26.108 | 276  | 30714m   | 0.386 | ng/ul  |          |
| -----                       |        |      |          |       |        |          |

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