

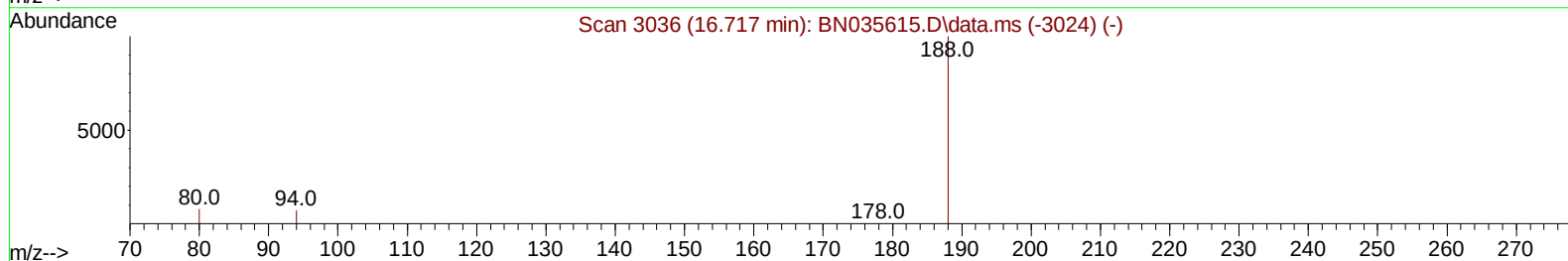
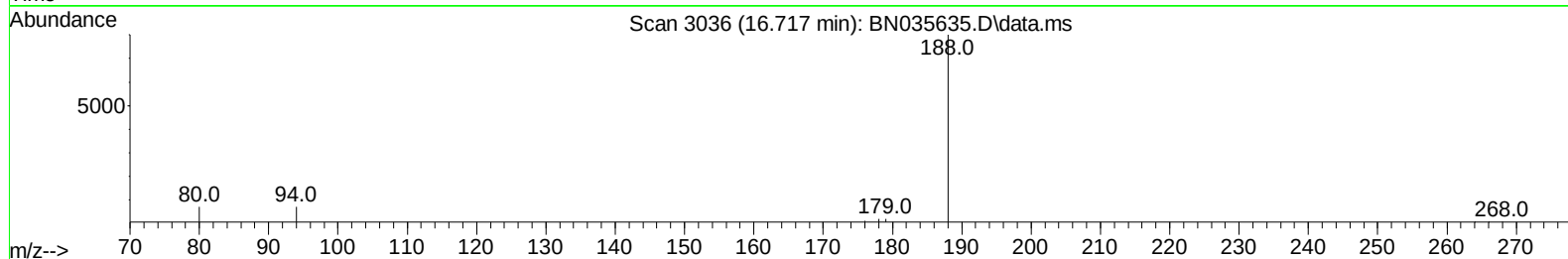
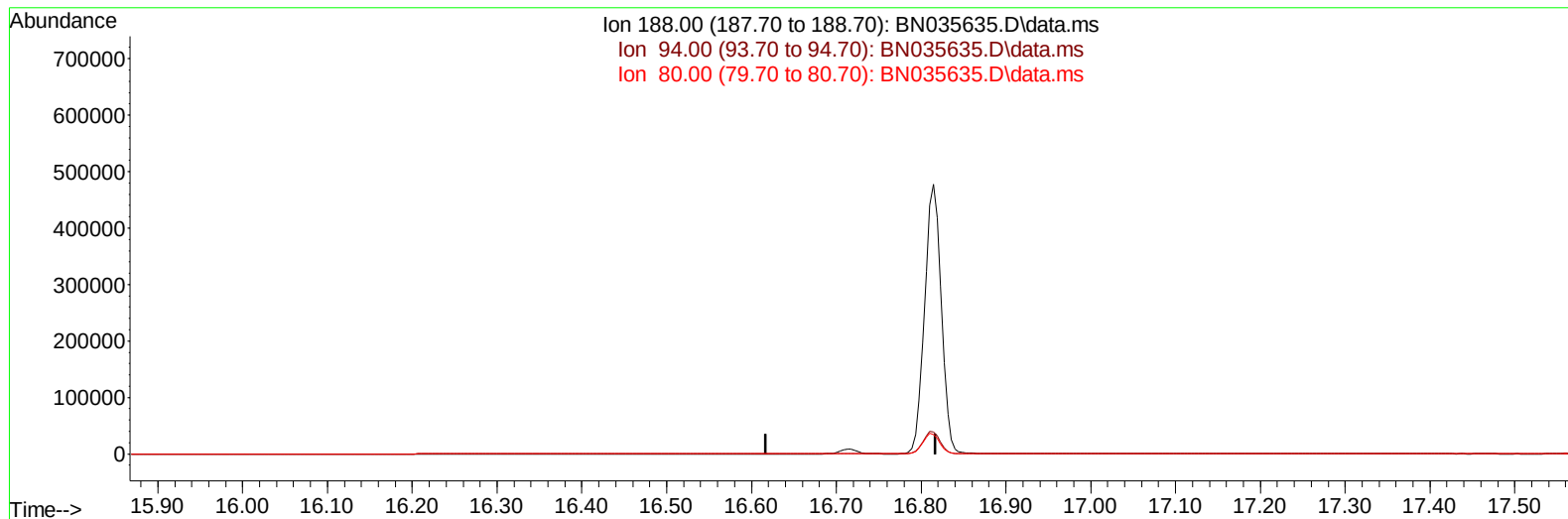
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(13) Phenanthrene-d10 (I)

16.717min (-16.717) 0.00 ng/u1

response 0

Ion	Exp%	Act%
188.00	100.00	0.00
94.00	8.50	0.00#
80.00	9.10	0.00#
0.00	0.00	0.00

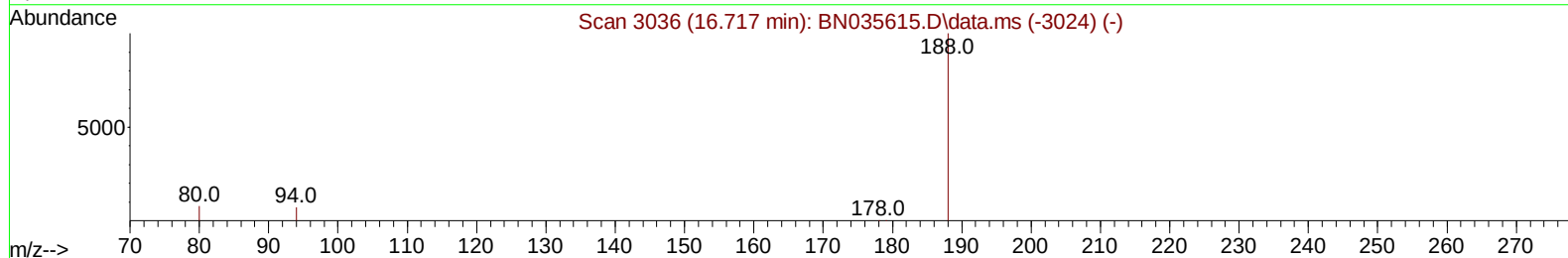
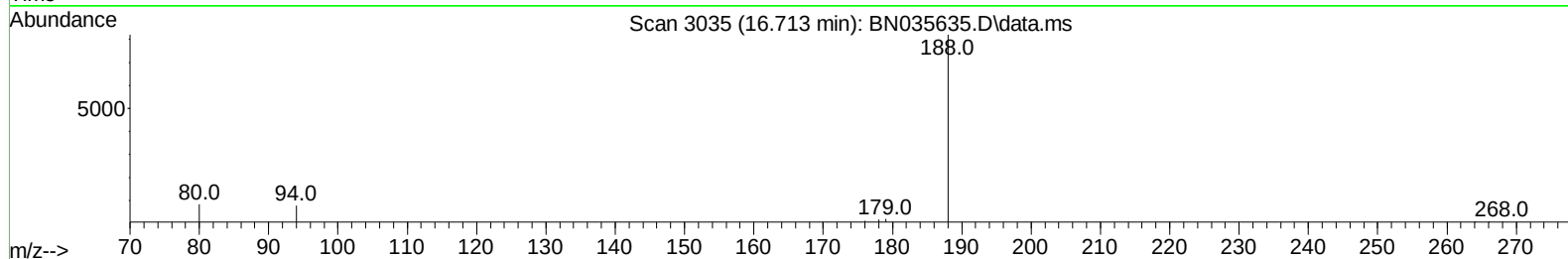
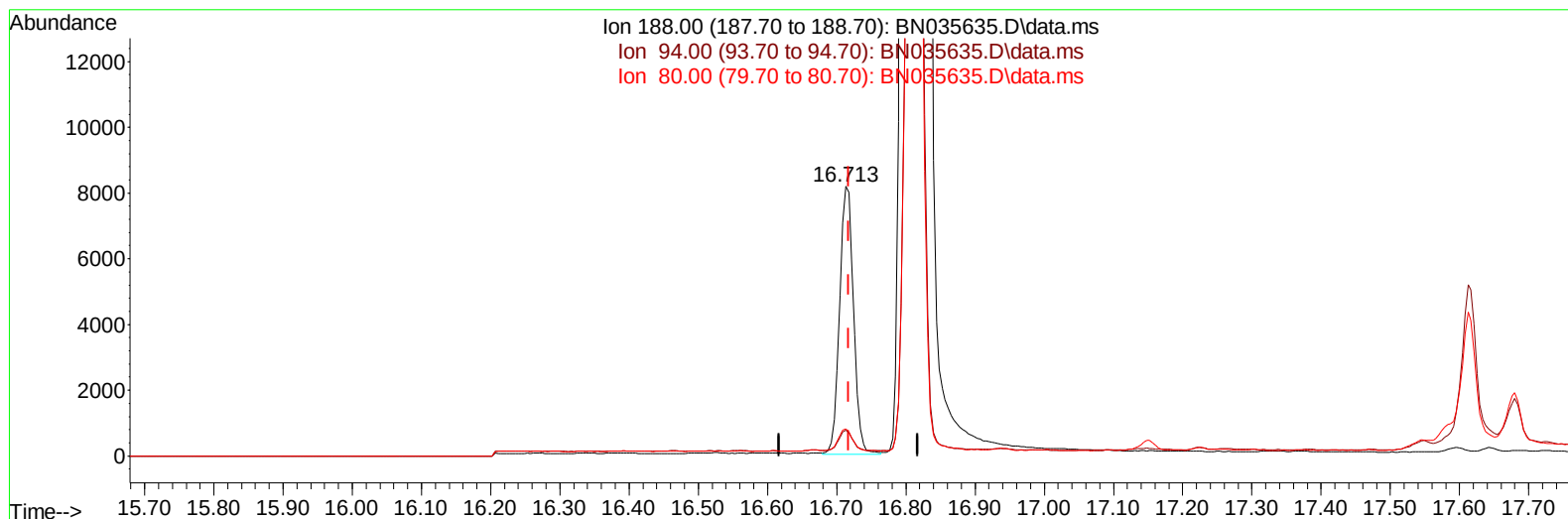
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Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

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QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(13) Phenanthrene-d10 (I)

16.713min (-0.004) 0.40 ng/ul m

response 11457

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.50	9.52
80.00	9.10	10.07
0.00	0.00	0.00

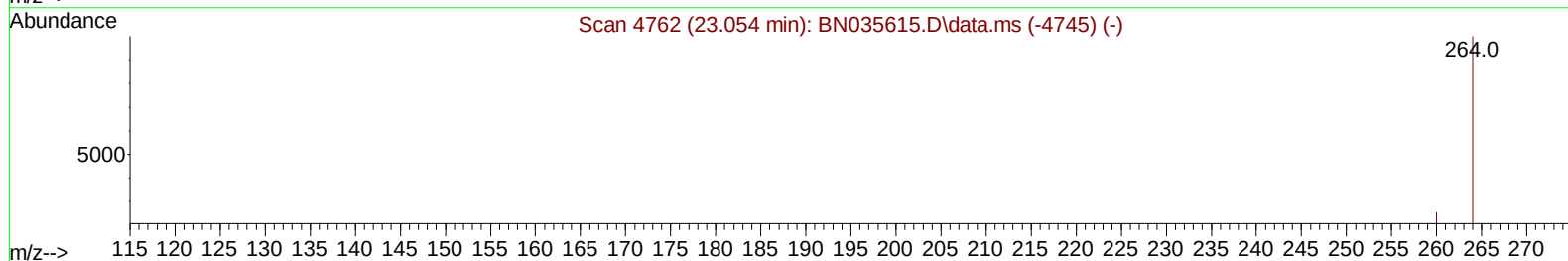
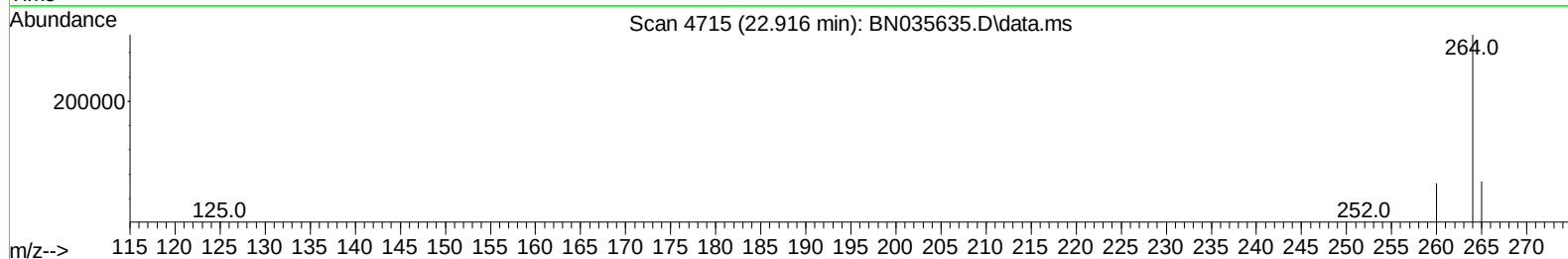
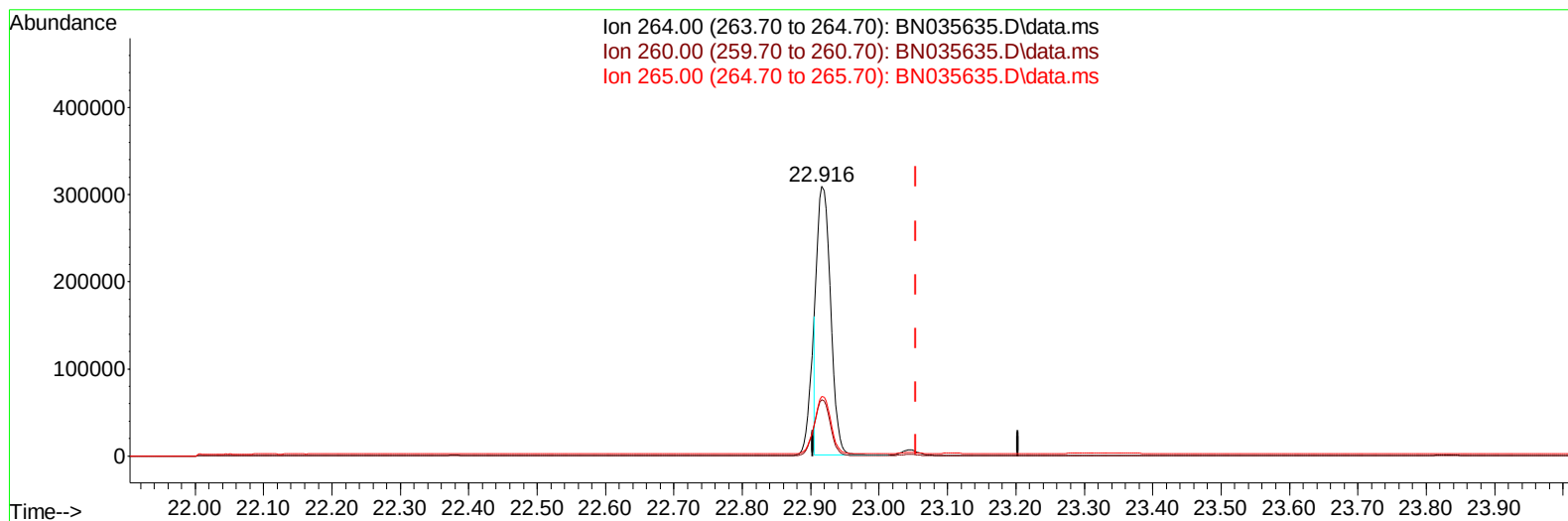
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Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(23) Perylene-d12 (I)

22.916min (-0.137) 0.40 ng/u1

response 431762

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	20.95#
265.00	62.10	22.03#
0.00	0.00	0.00

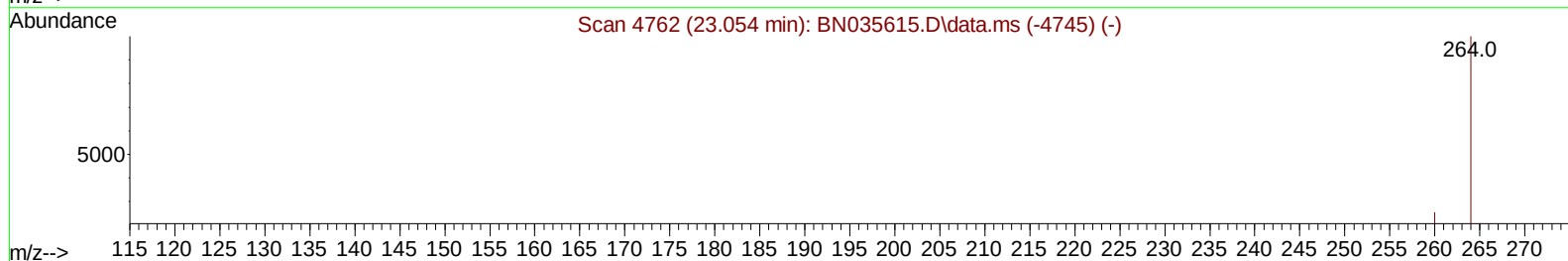
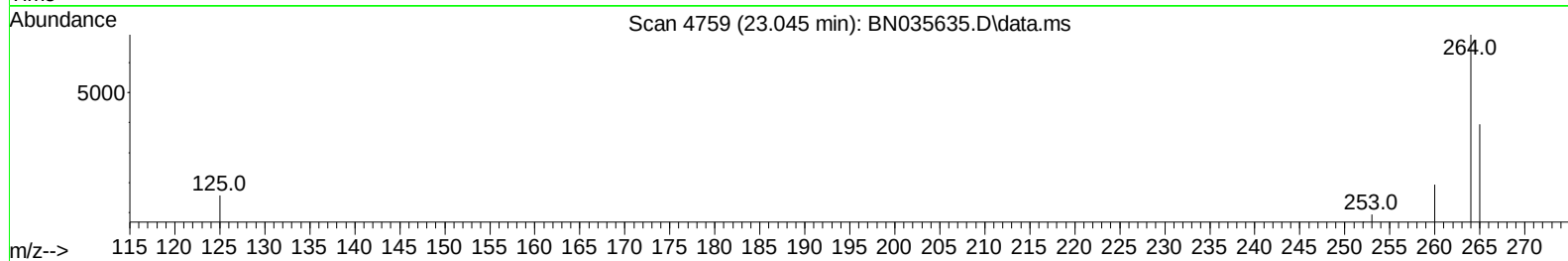
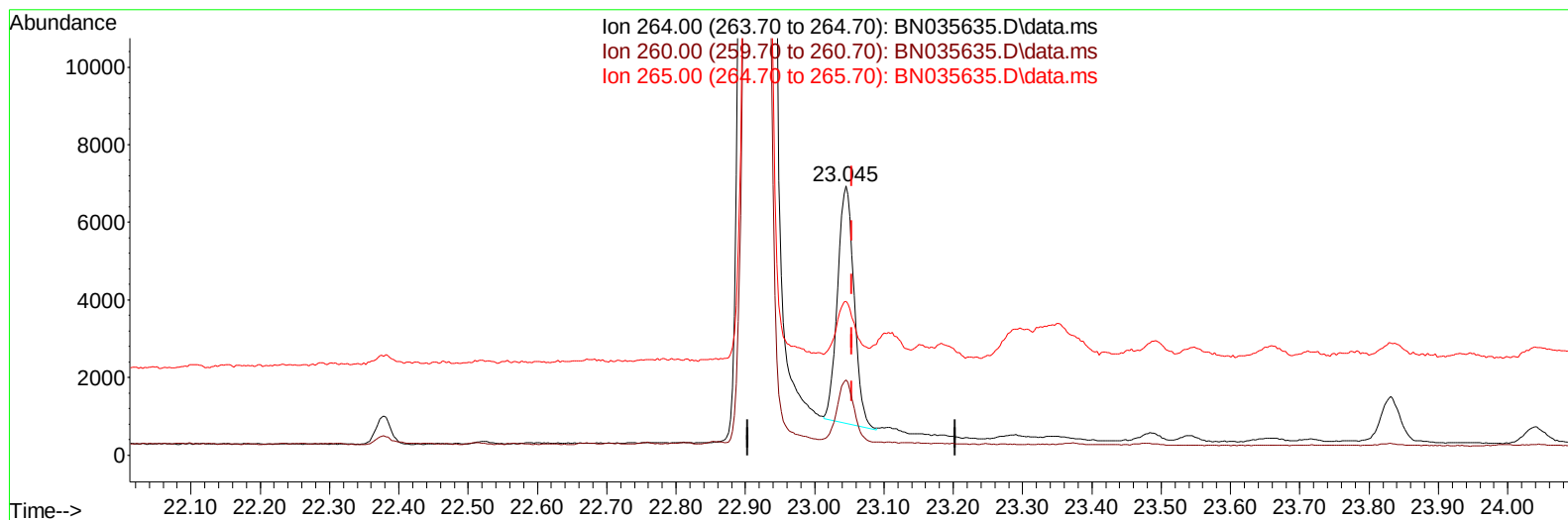
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 2024
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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(23) Perylene-d12 (I)

23.045min (-0.009) 0.40 ng/ul m

response 10067

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	27.95
265.00	62.10	57.09
0.00	0.00	0.00

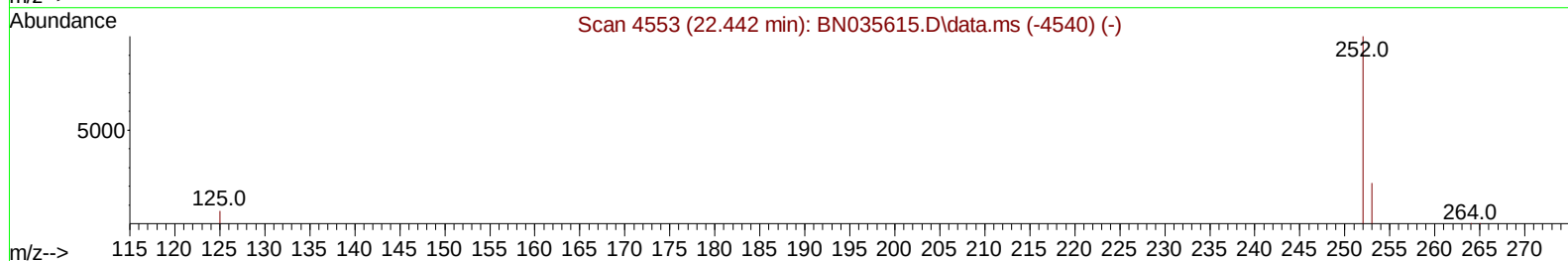
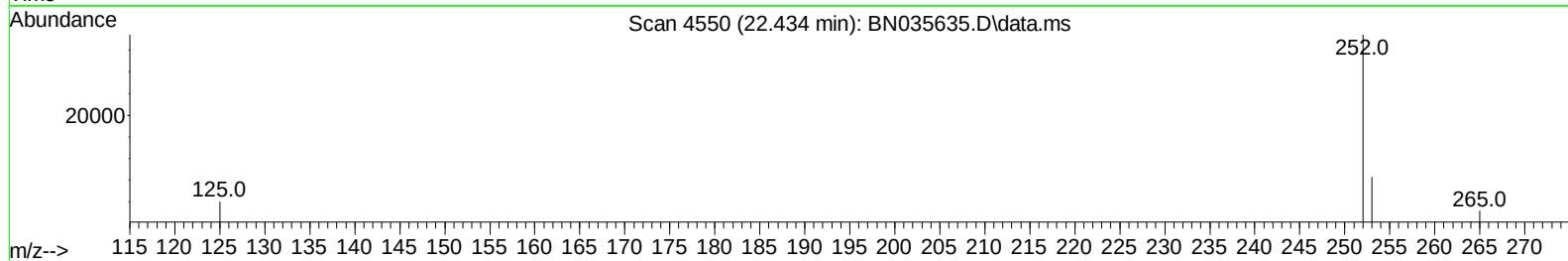
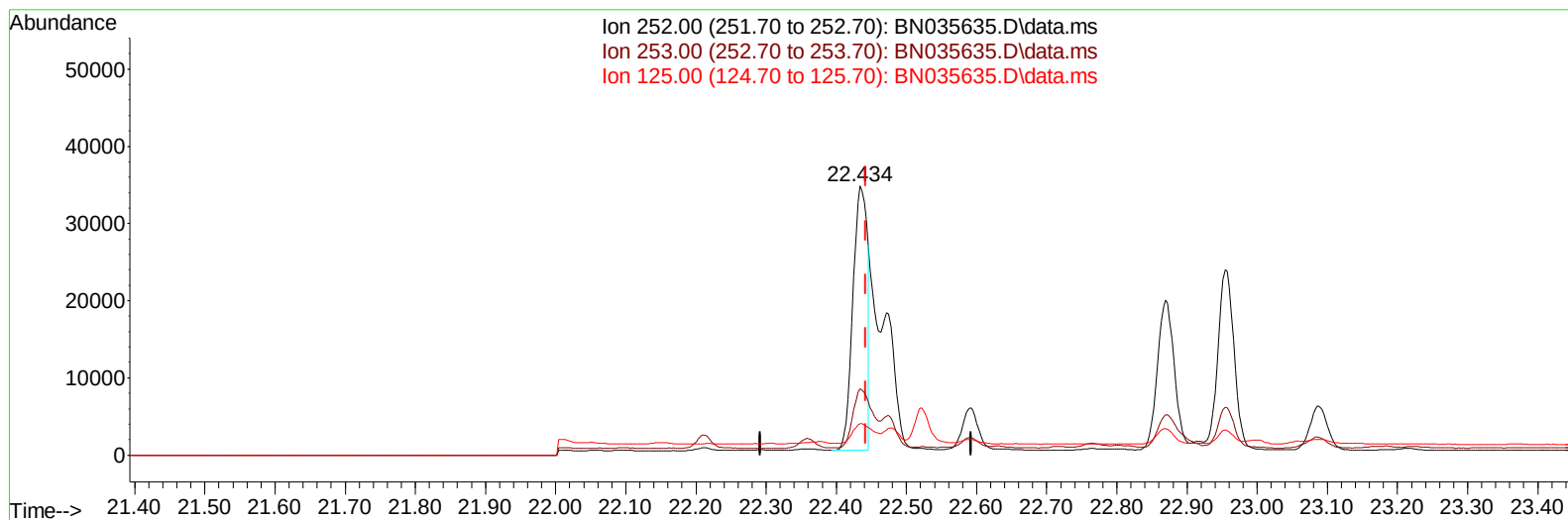
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

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TIC: BN035635.D\data.ms

(24) Benzo(b)fluoranthene

22.434min (-0.009) 1.65 ng/u l

response 49063

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	24.62
125.00	18.80	11.65
0.00	0.00	0.00

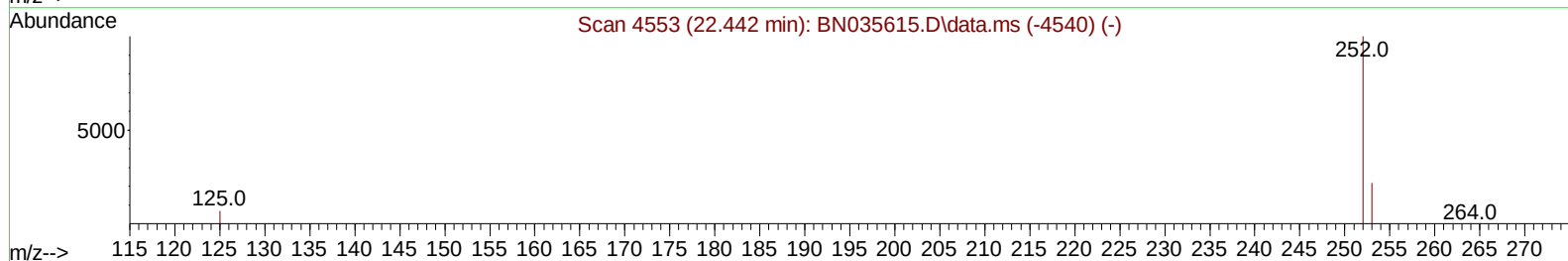
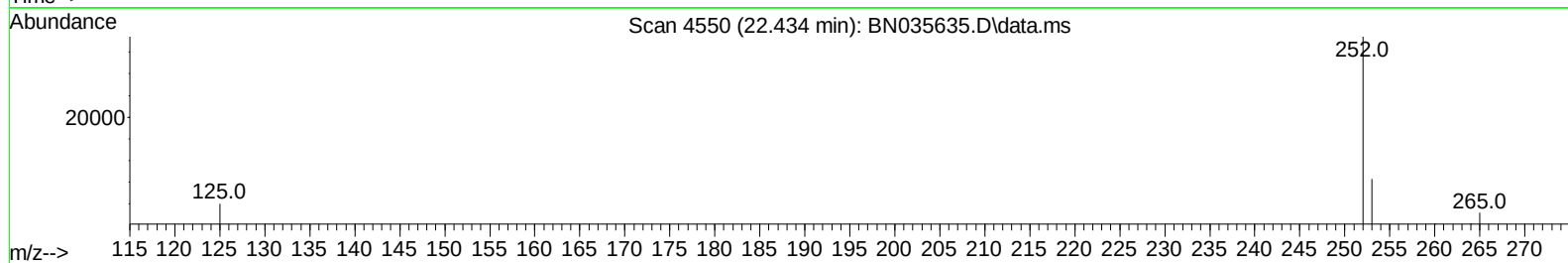
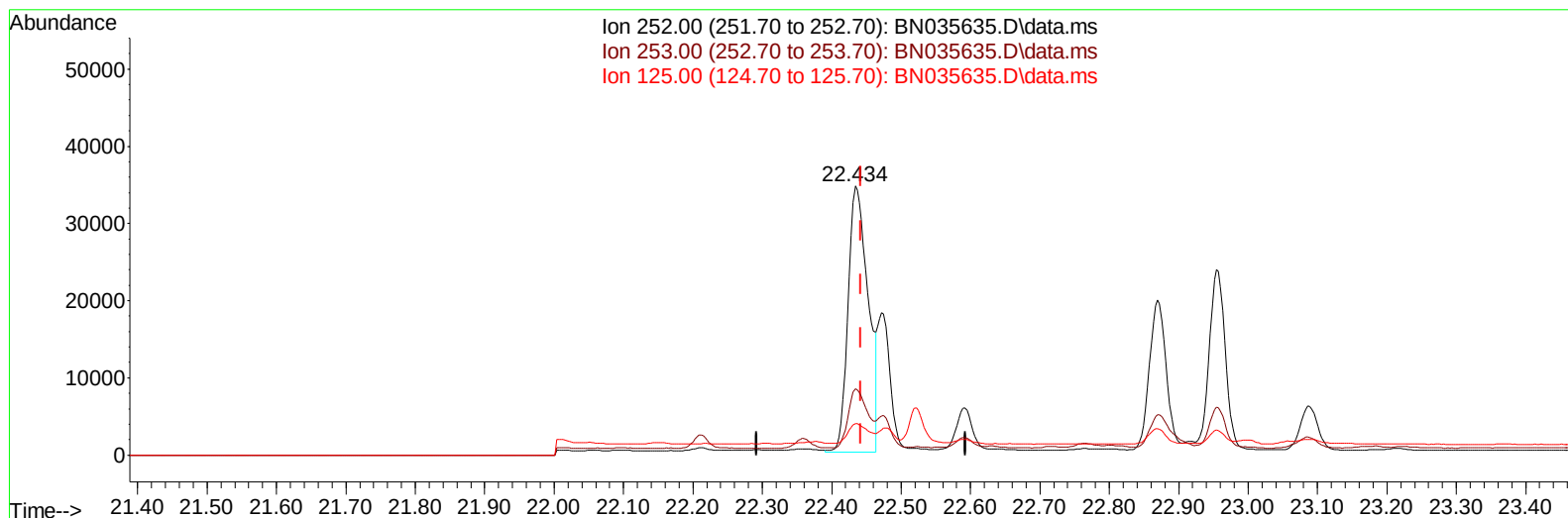
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Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(24) Benzo(b)fluoranthene

22.434min (-0.009) 2.33 ng/ul m

response 69136

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	24.62
125.00	18.80	11.65
0.00	0.00	0.00

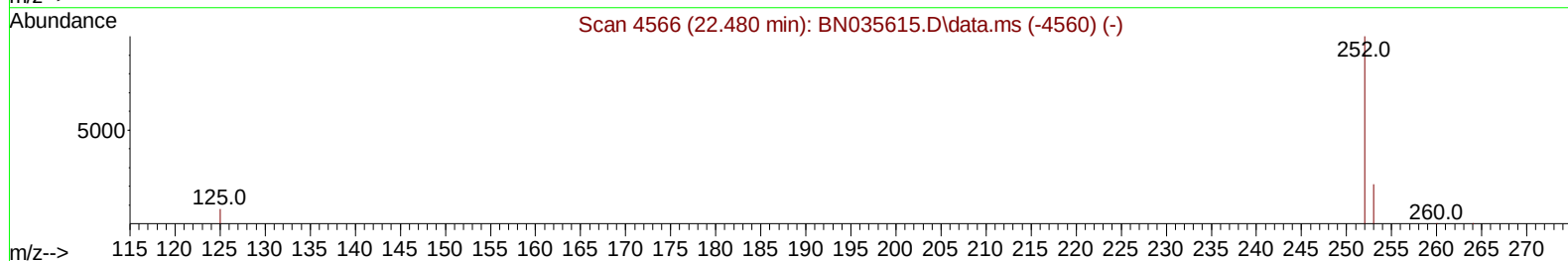
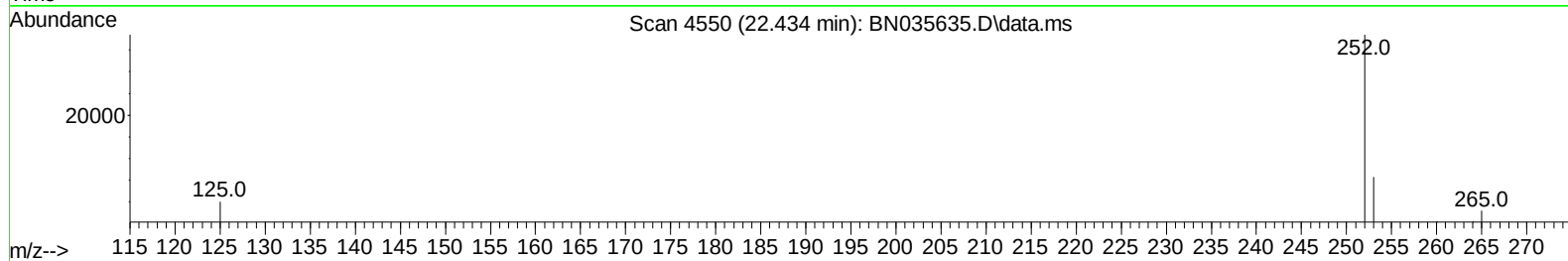
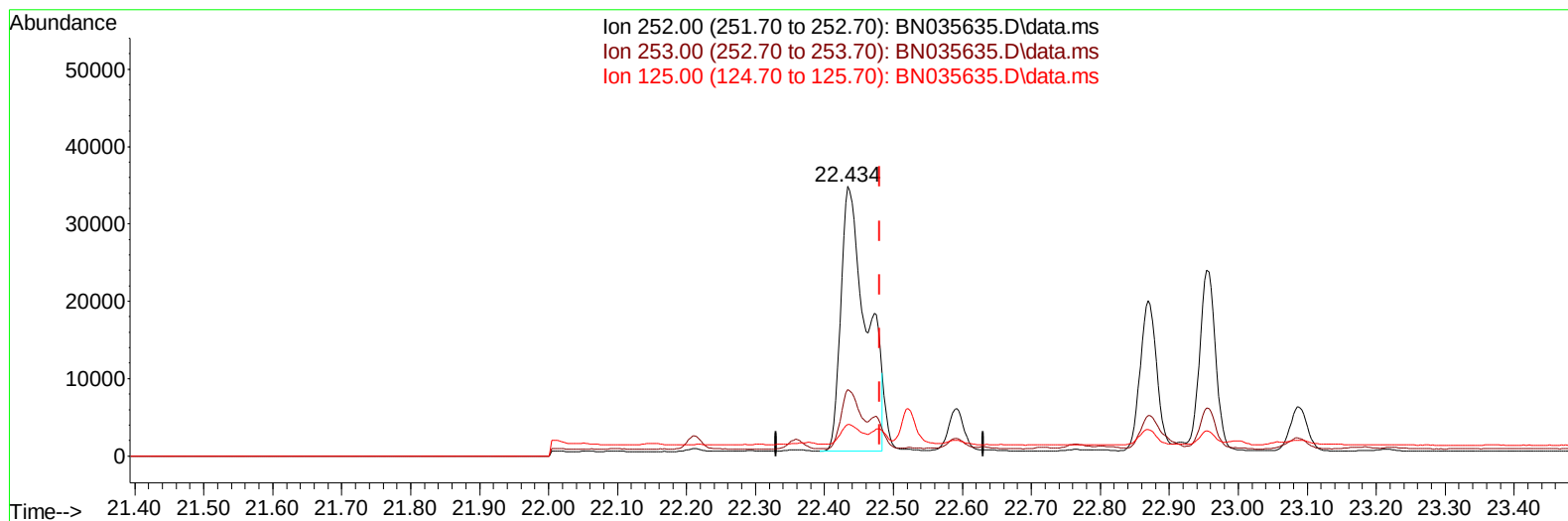
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Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(25) Benzo(k)fluoranthene

22.434min (-0.047) 2.66 ng/uL

response 87249

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	24.62
125.00	19.10	11.65#
0.00	0.00	0.00

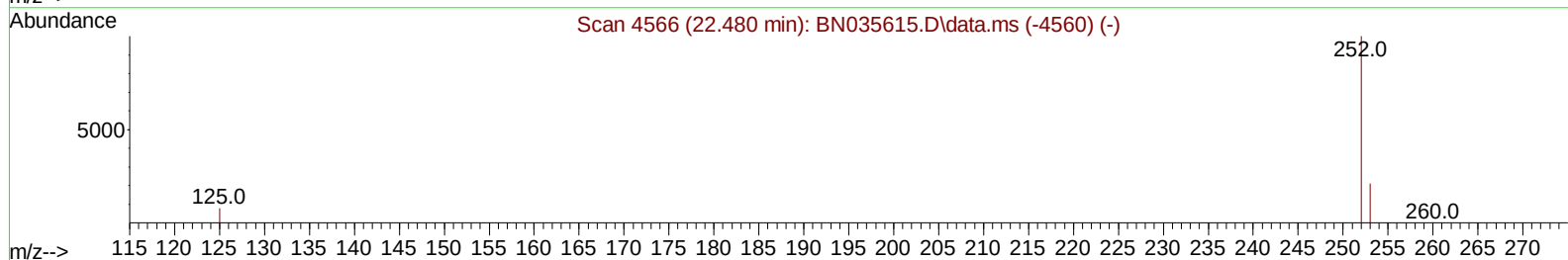
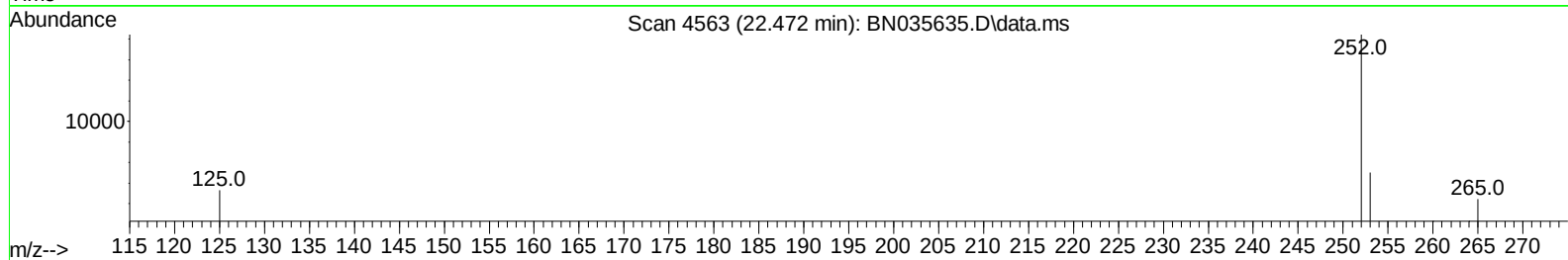
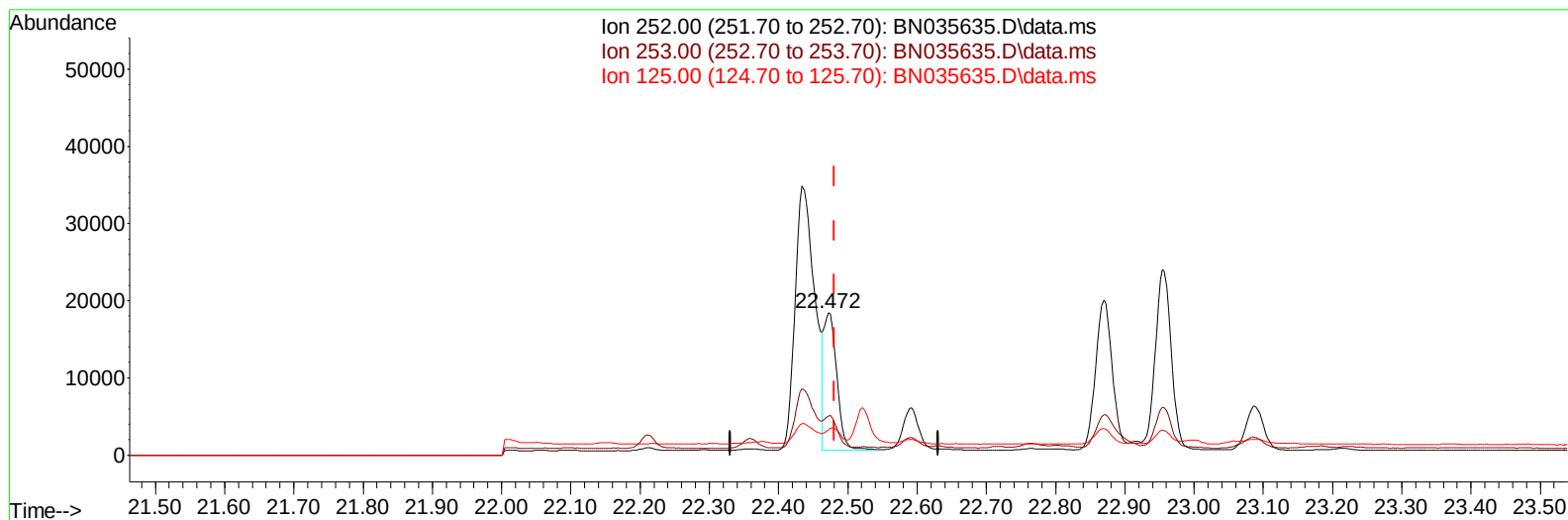
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Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(25) Benzo(k)fluoranthene

22.472min (-0.009) 0.69 ng/ul m

response 22708

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	27.29
125.00	19.10	17.77
0.00	0.00	0.00

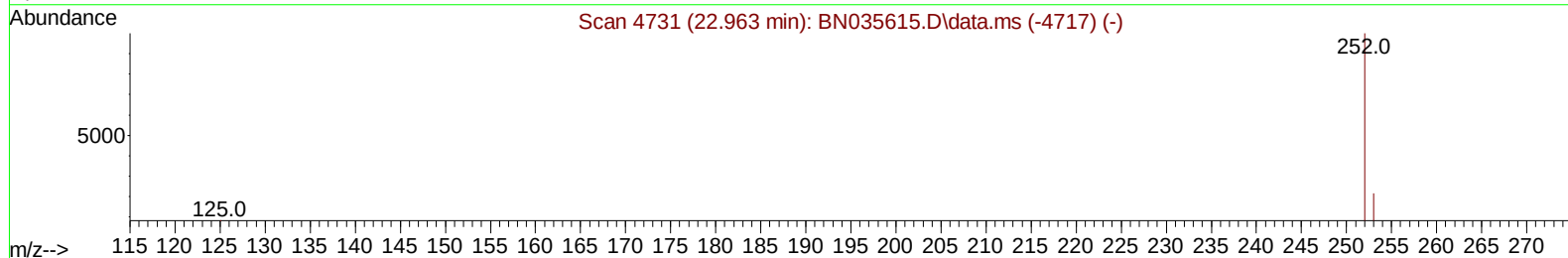
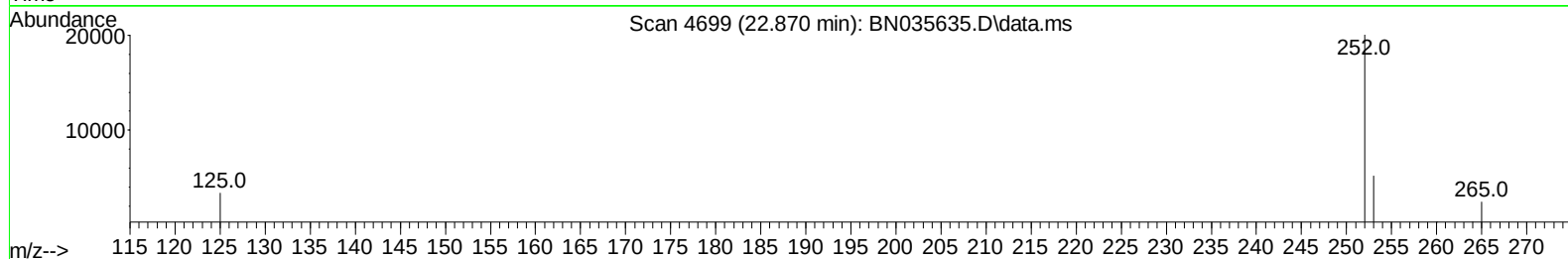
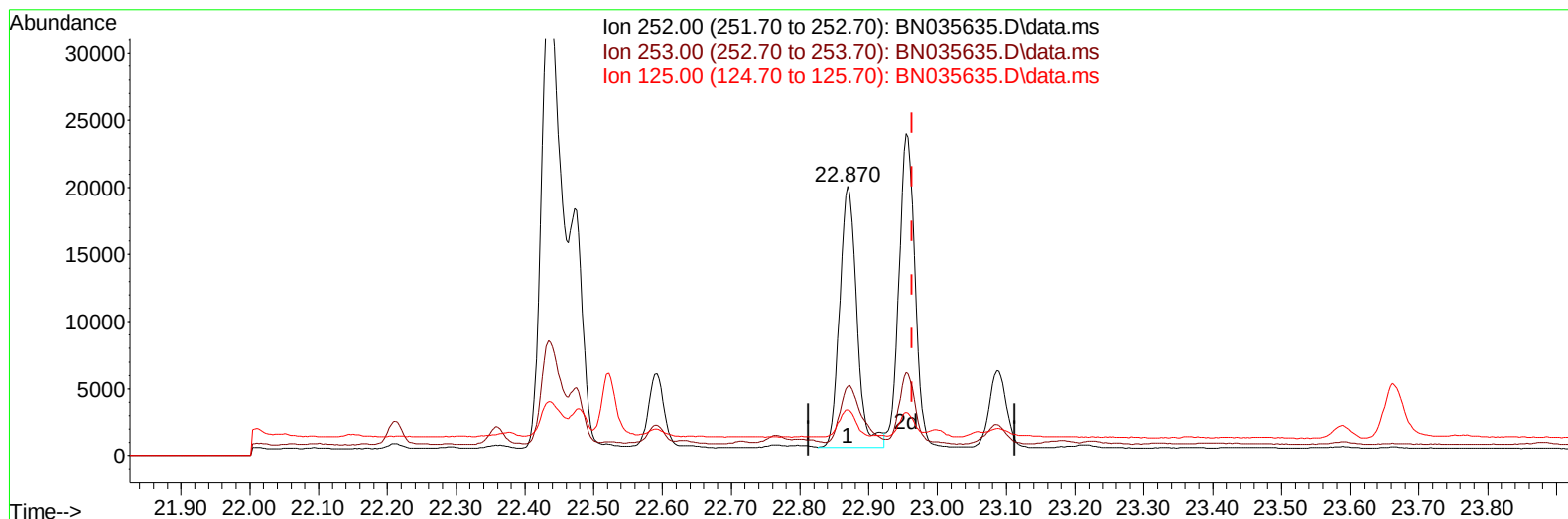
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Data File : BN035635.D
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Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

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TIC: BN035635.D\data.ms

(26) Benzo(a)pyrene (C)

22.870min (-0.093) 1.18 ng/u l

response 33944

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	25.94
125.00	23.90	17.03#
0.00	0.00	0.00

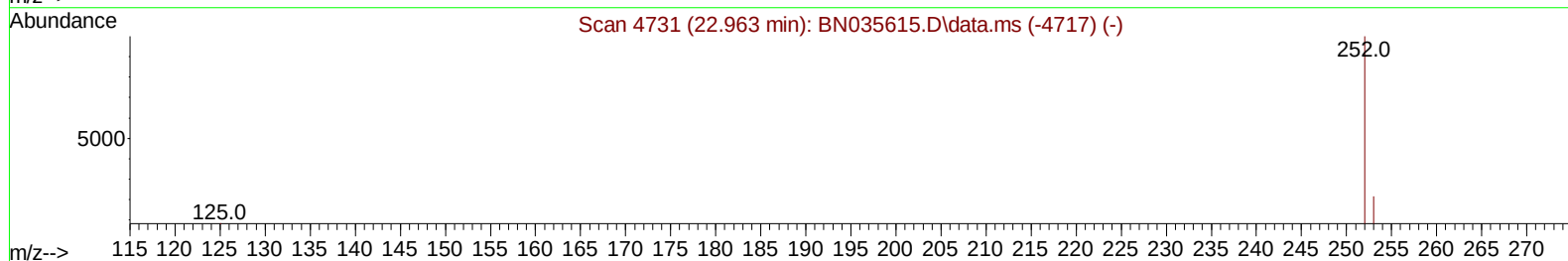
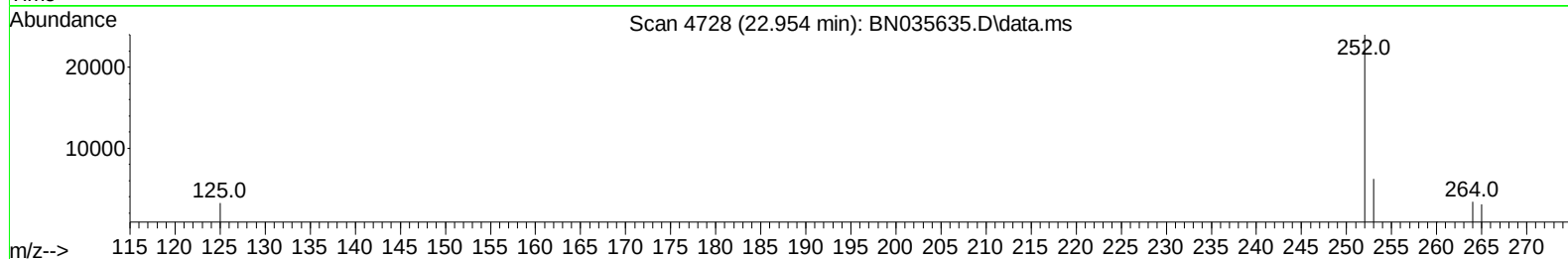
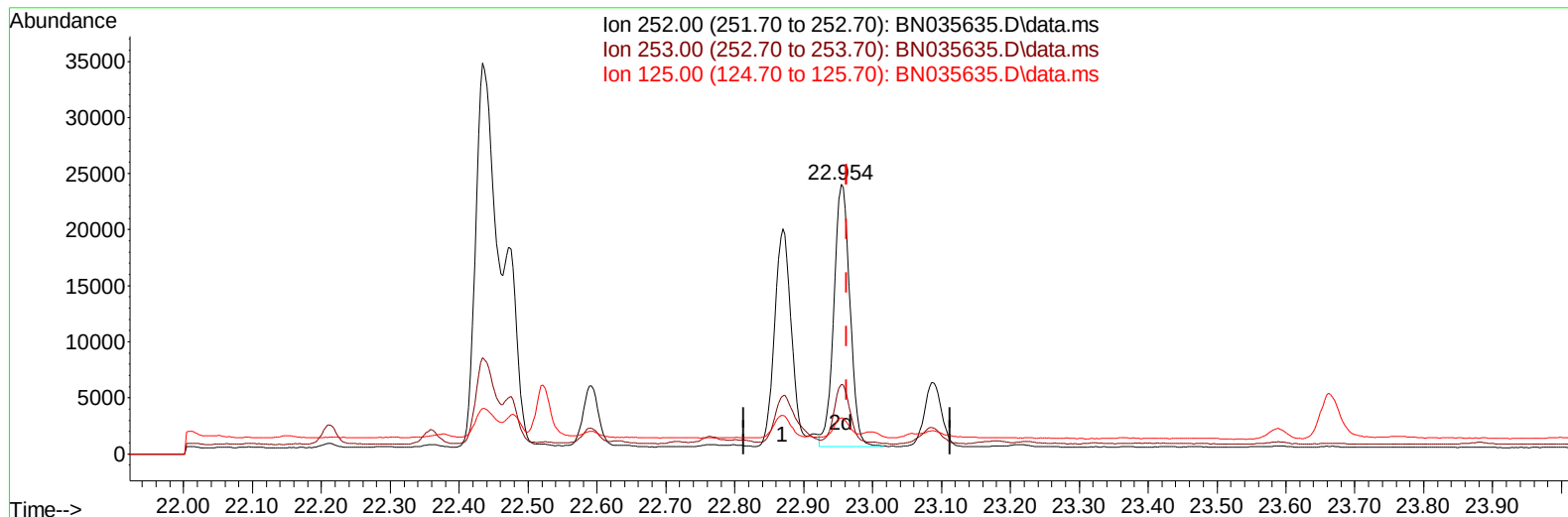
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Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 2024
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TIC: BN035635.D\data.ms

(26) Benzo(a)pyrene (C)

22.954min (-0.009) 1.32 ng/ul m

response 37903

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	25.82
125.00	23.90	13.47#
0.00	0.00	0.00

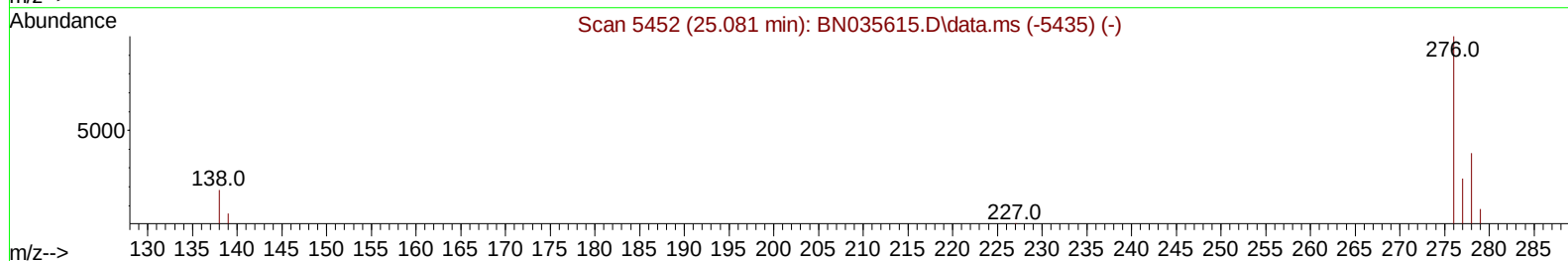
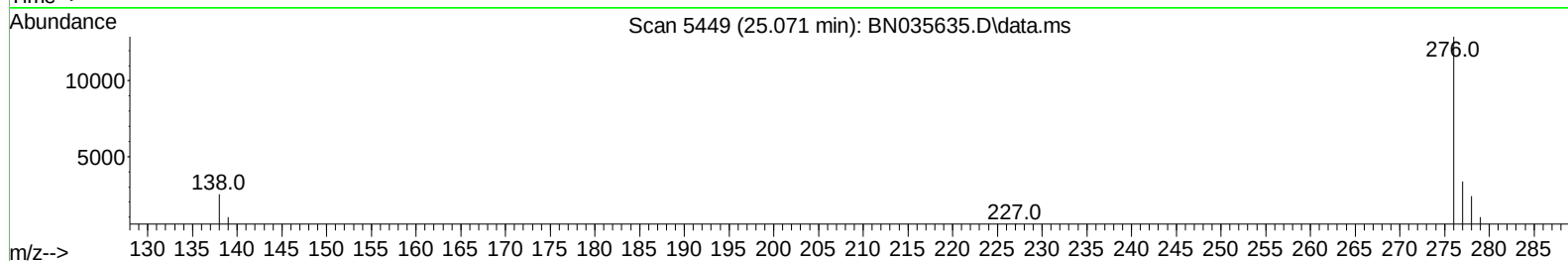
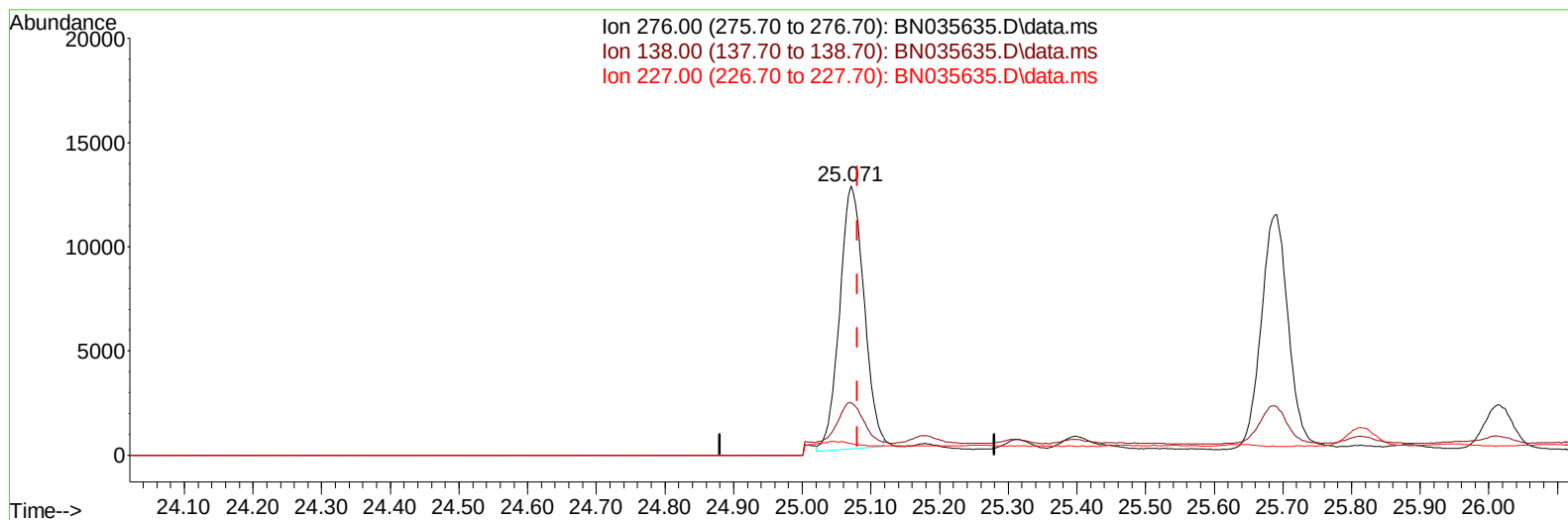
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Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

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TIC: BN035635.D\data.ms

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

25.071min (-0.010) 0.89 ng/u1

response 31223

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	15.05
227.00	27.00	0.00#
0.00	0.00	0.00

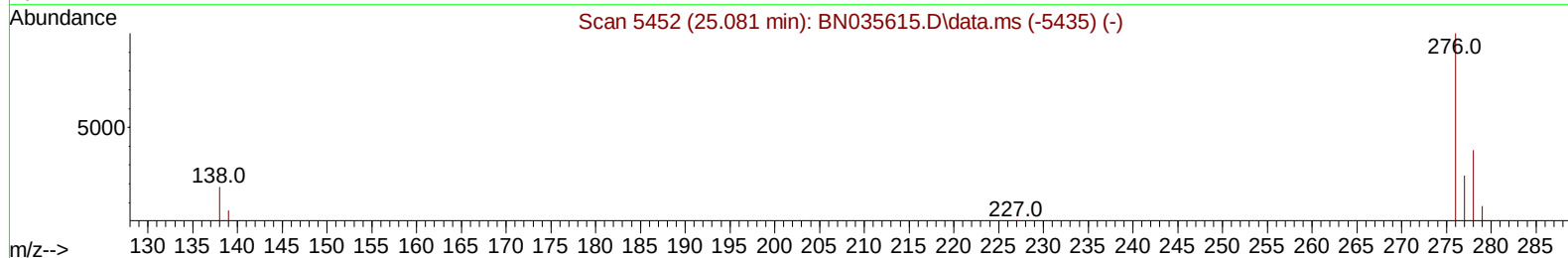
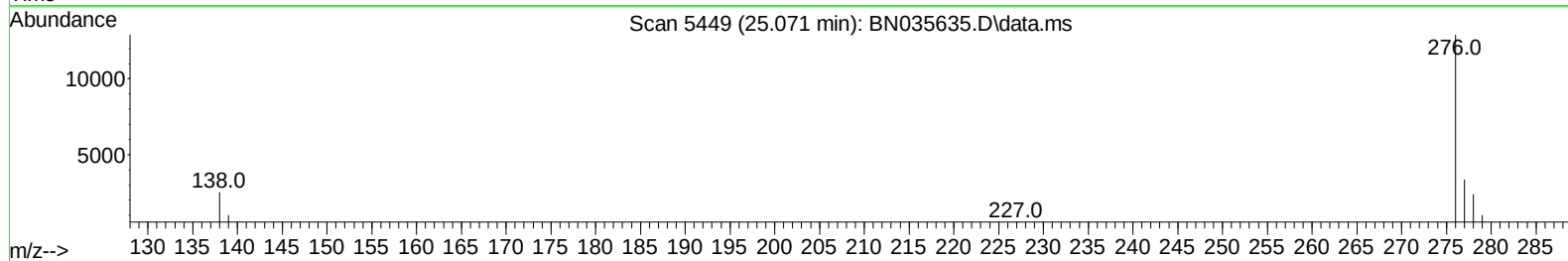
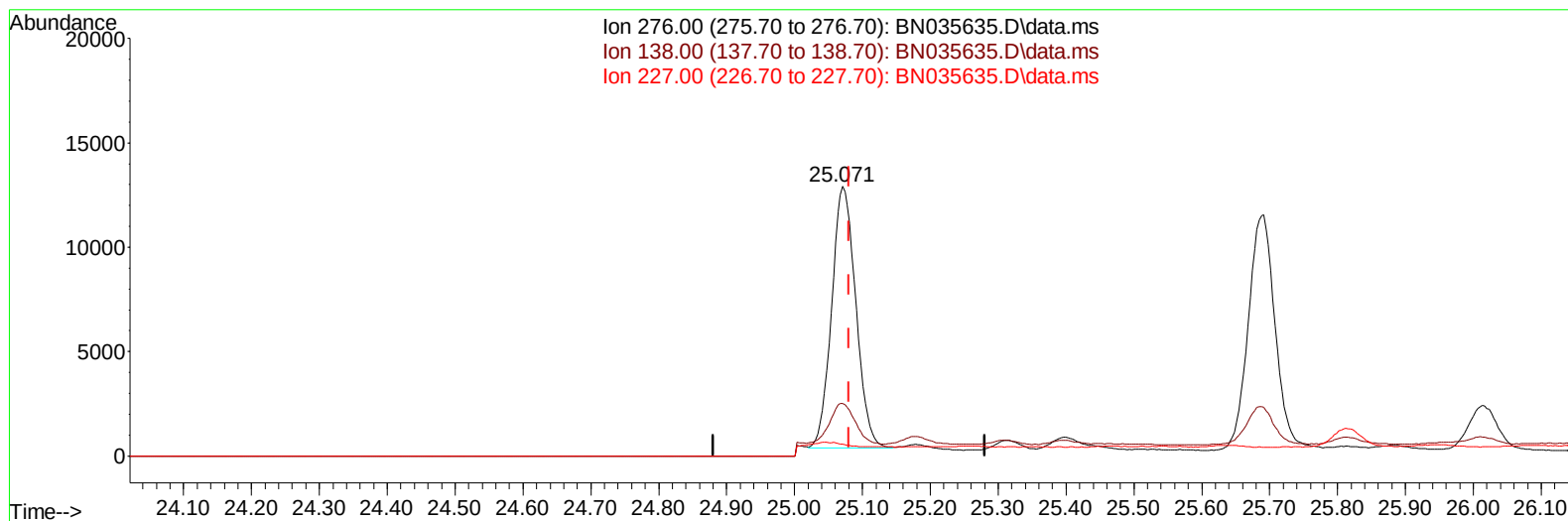
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

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

25.071min (-0.010) 0.88 ng/ul m

response 30899

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	15.21
227.00	27.00	0.00#
0.00	0.00	0.00

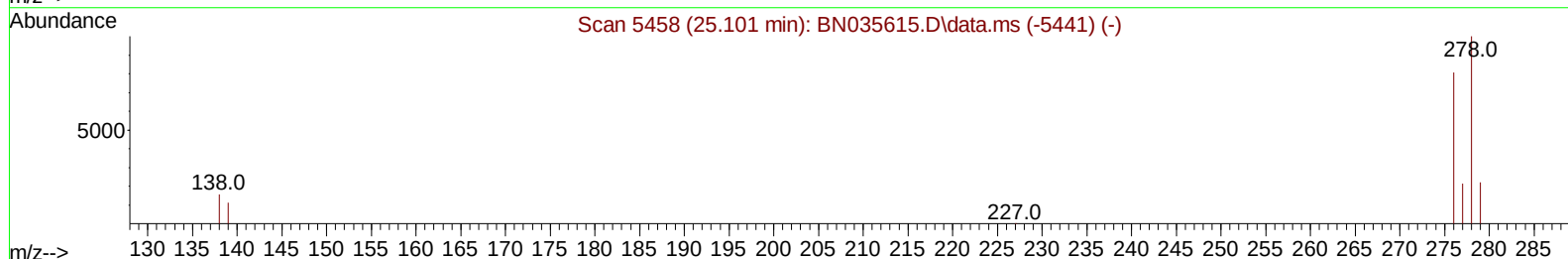
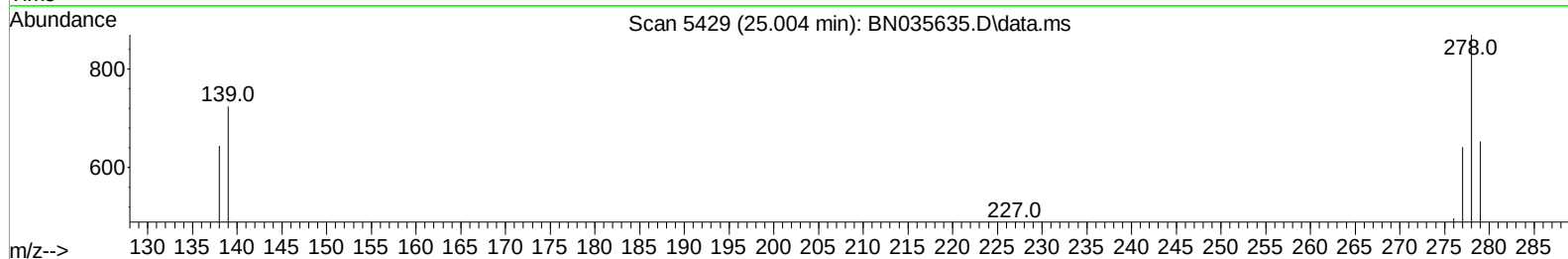
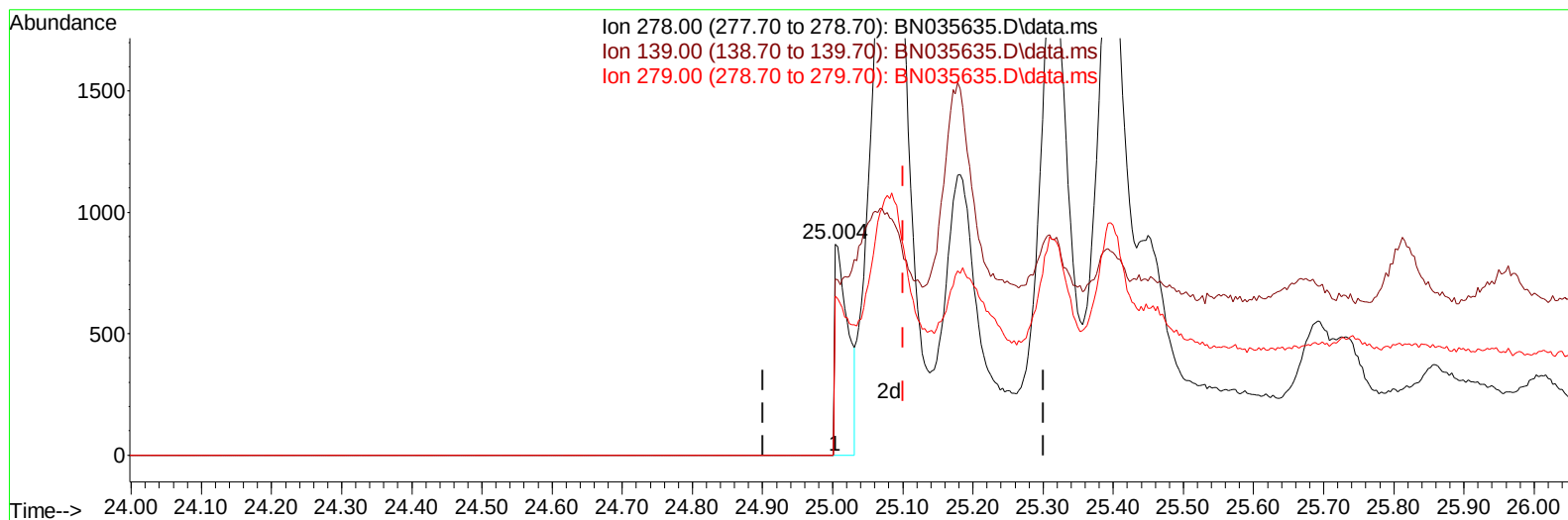
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

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Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(28) Dibenzo(a,h)anthracene

25.004min (-0.097) 0.04 ng/u1

response 1125

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	83.31#
279.00	30.00	75.14#
0.00	0.00	0.00

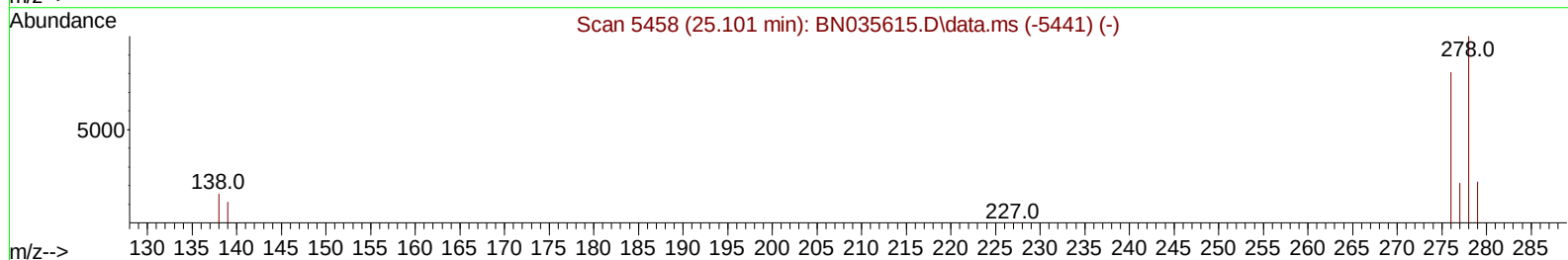
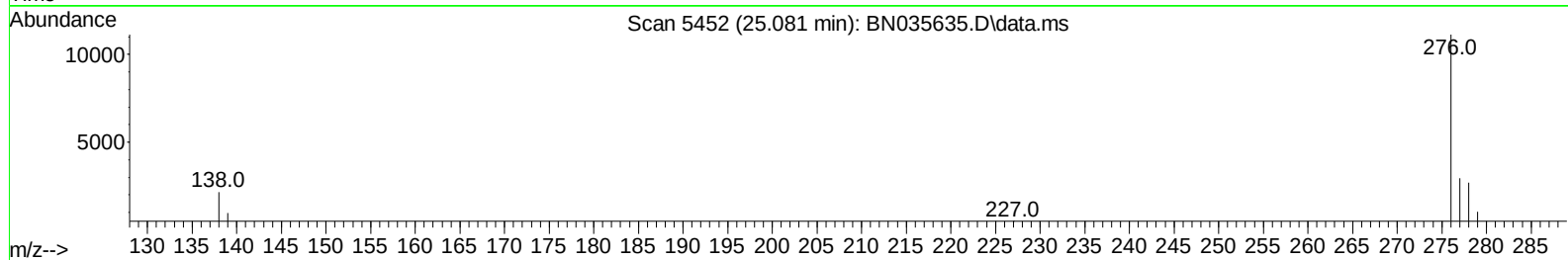
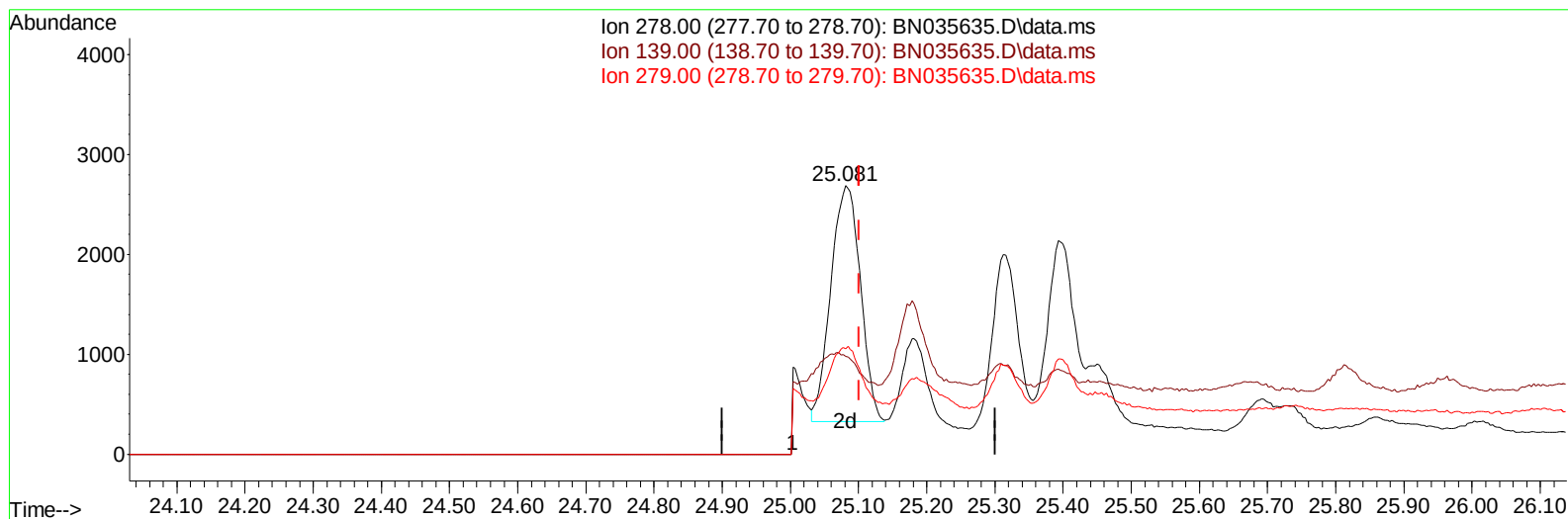
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 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 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035635.D\data.ms

(28) Dibenzo(a,h)anthracene

25.081min (-0.020) 0.27 ng/ul m

response 7116

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	36.32#
279.00	30.00	39.34#
0.00	0.00	0.00

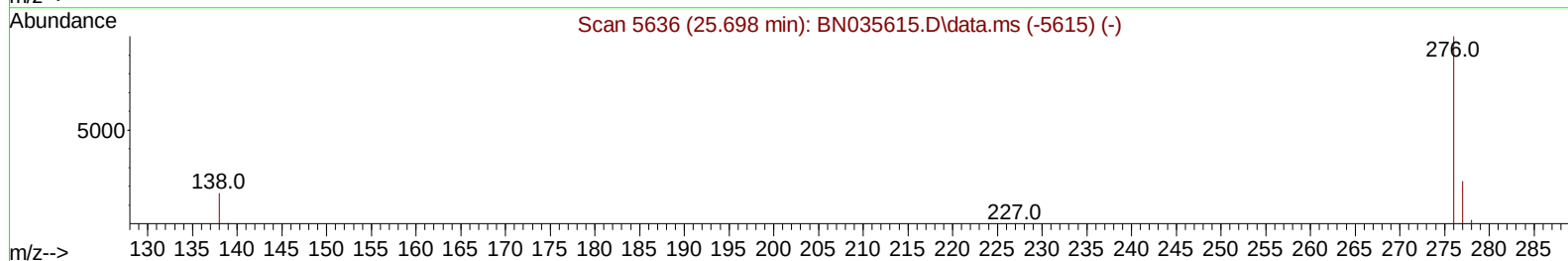
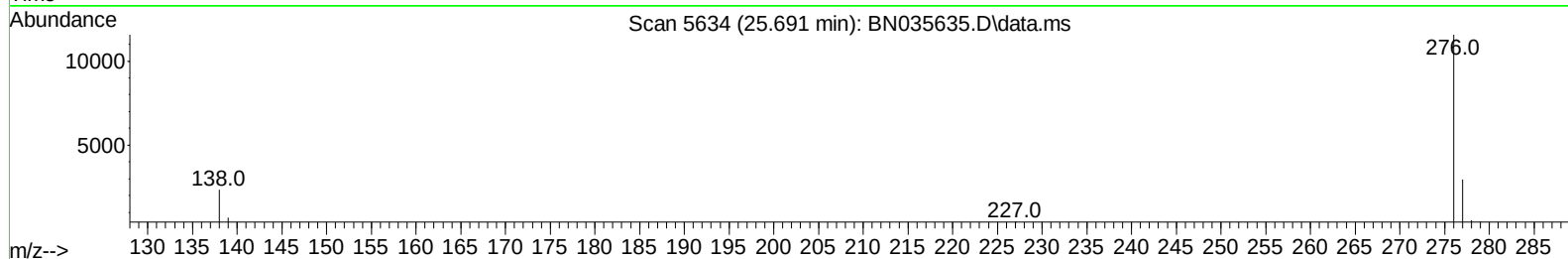
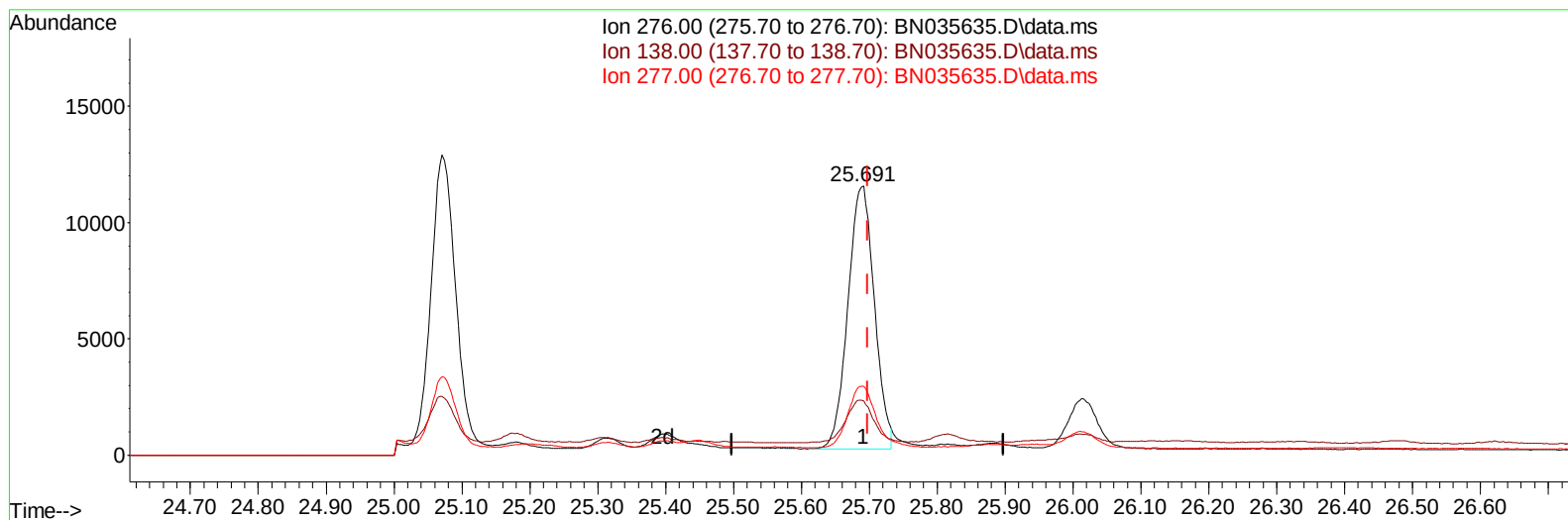
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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TIC: BN035635.D\data.ms

(29) Benzo(g,h,i)perylene**25.691min (-0.006) 1.09 ng/u1****response 30568**

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.50	20.26
277.00	27.00	25.68
0.00	0.00	0.00

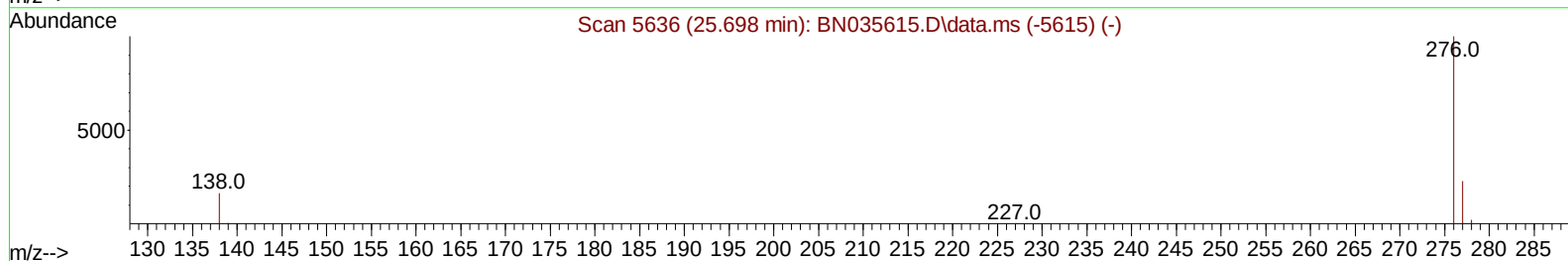
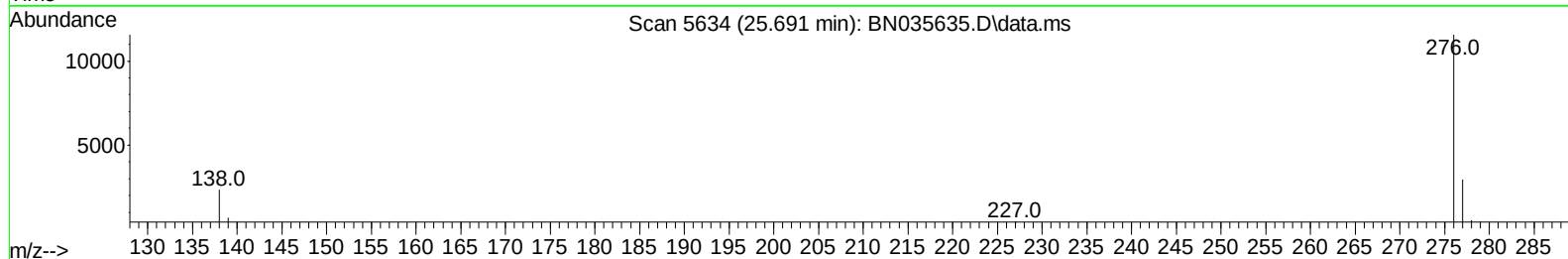
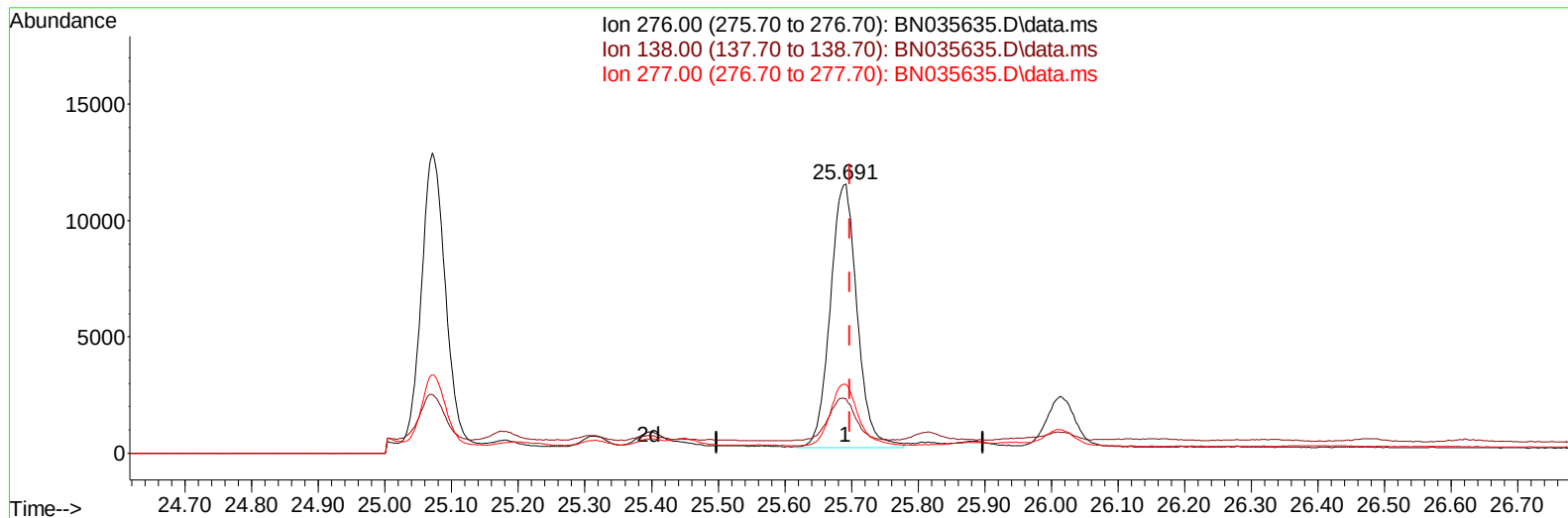
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035635.D
Acq On : 17 Dec 2024 02:36
Operator : RC/JU
Sample : P5232-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S7

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:13:50 2024
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TIC: BN035635.D\data.ms

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

25.691min (-0.006) 1.13 ng/ul m

response 31663

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.50	20.26
277.00	27.00	25.68
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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 Operator : RC/JU
 Sample : P5232-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S7

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2465	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	7264	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5168	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	11457m	0.400	ng/ul	0.00
17) Chrysene-d12	20.959	240	9361	0.400	ng/ul	0.00
23) Perylene-d12	23.045	264	10067m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	8824	4.038	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	3203	0.310	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	7364	0.269	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.075	128	4692	0.263	ng/ul	98
7) 2-Methylnaphthalene	11.708	142	3728	0.311	ng/ul	98
8) 1-Methylnaphthalene	11.934	142	2796	0.225	ng/ul	100
10) Acenaphthylene	13.657	152	7398	0.369	ng/ul	99
11) Acenaphthene	14.009	153	776	0.051	ng/ul#	89
12) Fluorene	15.013	166	1184	0.067	ng/ul#	91
14) Pentachlorophenol	16.375	266	82	0.028	ng/ul#	90
15) Phenanthrene	16.755	178	31633	1.103	ng/ul	99
16) Anthracene	16.848	178	8889	0.332	ng/ul	98
19) Fluoranthene	18.796	202	104716	3.128	ng/ul	99
20) Pyrene	19.167	202	83270	2.258	ng/ul	97
21) Benzo(a)anthracene	20.944	228	34404	1.108	ng/ul	94
22) Chrysene	20.994	228	51213	1.590	ng/ul	98
24) Benzo(b)fluoranthene	22.434	252	69136m	2.330	ng/ul	
25) Benzo(k)fluoranthene	22.472	252	22708m	0.692	ng/ul	
26) Benzo(a)pyrene	22.954	252	37903m	1.319	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.071	276	30899m	0.883	ng/ul	
28) Dibenzo(a,h)anthracene	25.081	278	7116m	0.266	ng/ul	
29) Benzo(g,h,i)perylene	25.691	276	31663m	1.128	ng/ul	

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

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