

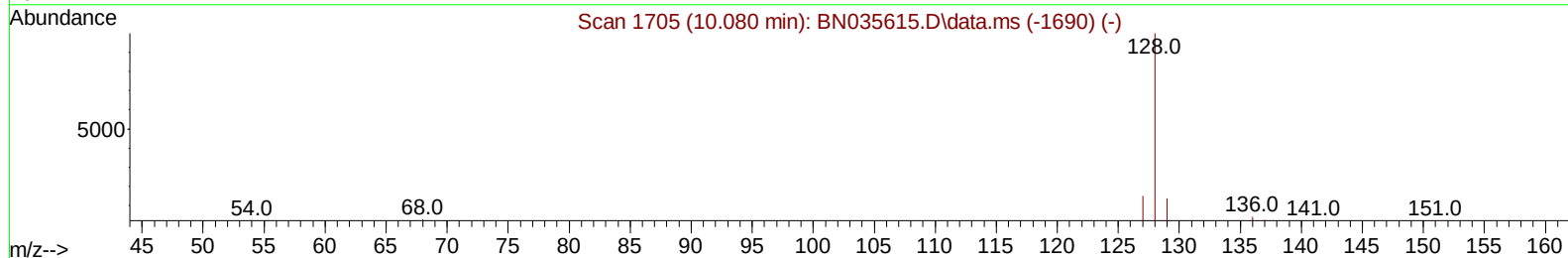
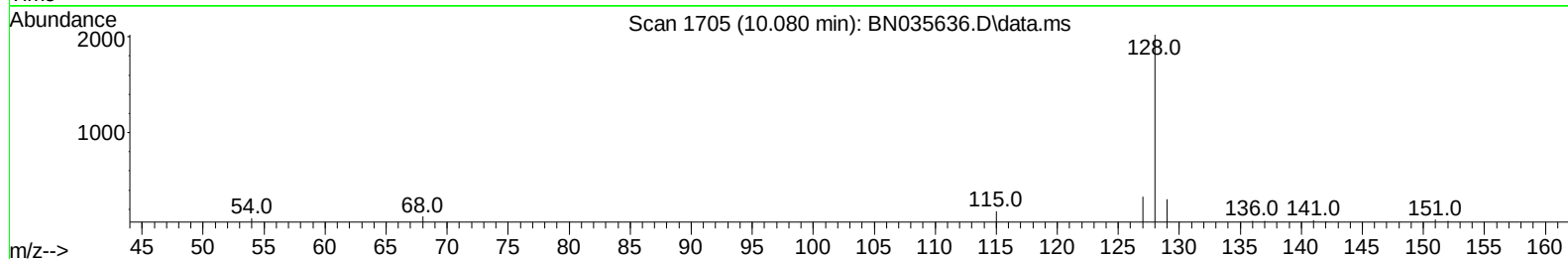
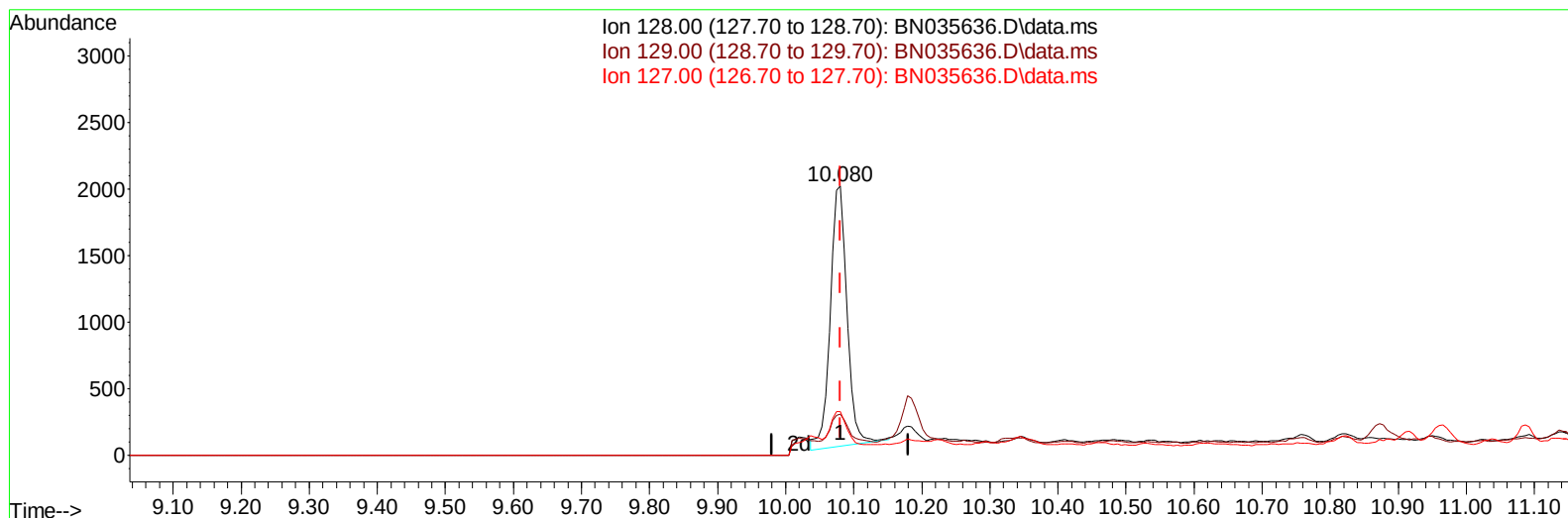
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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



TIC: BN035636.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.17 ng/u1

response 3361

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	15.14
127.00	15.00	16.28
0.00	0.00	0.00

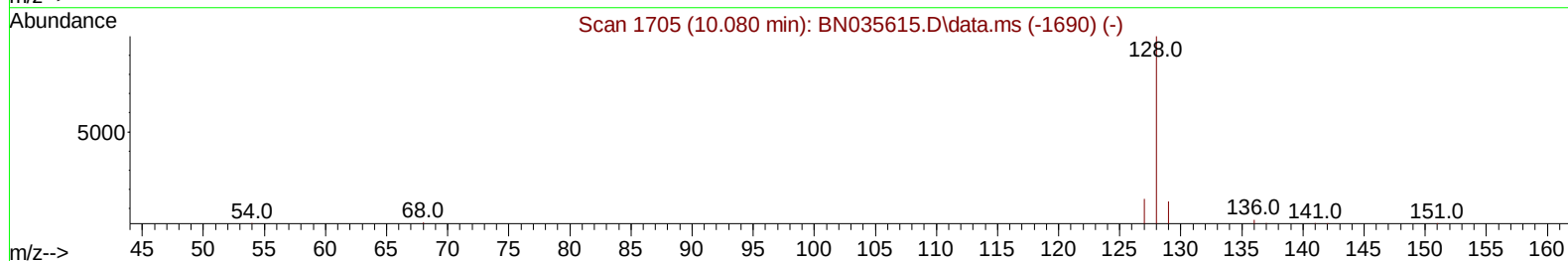
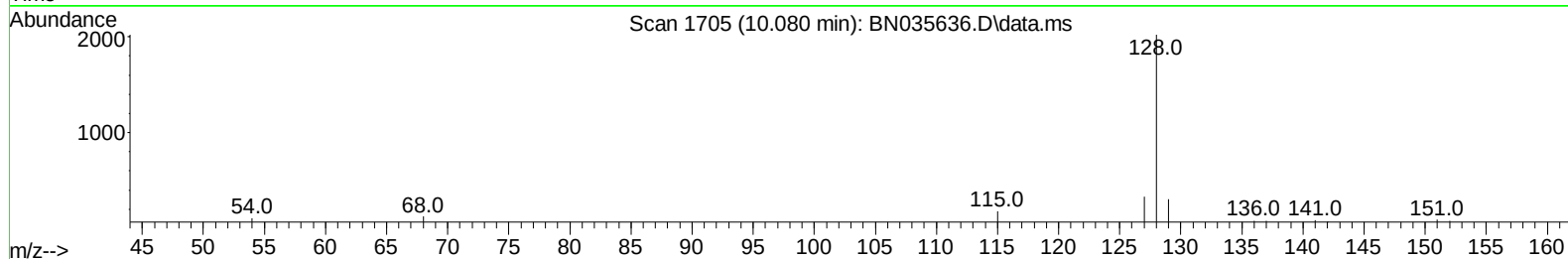
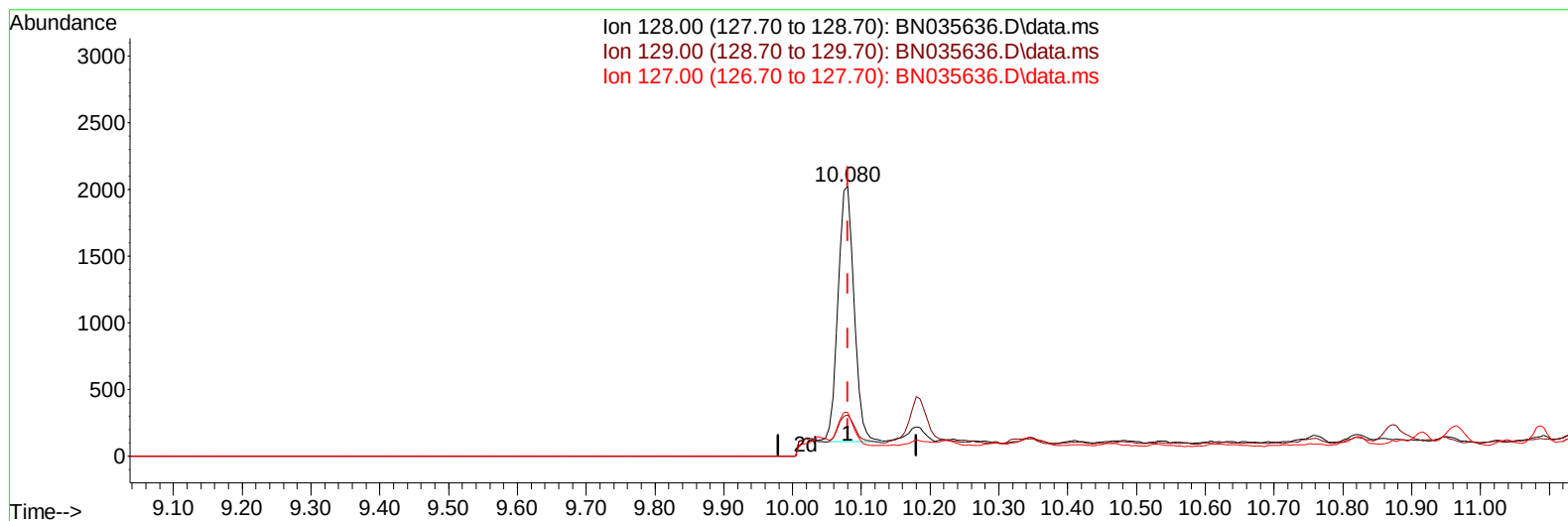
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.16 ng/ul m

response 3126

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	15.14
127.00	15.00	16.28
0.00	0.00	0.00

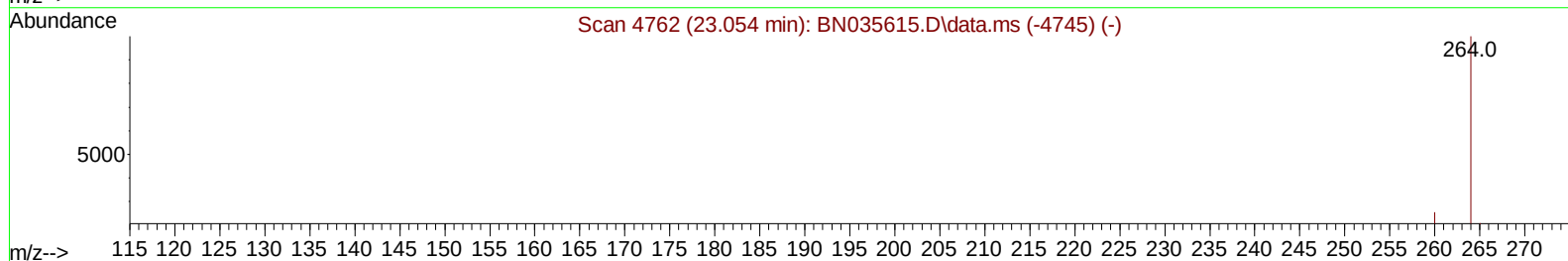
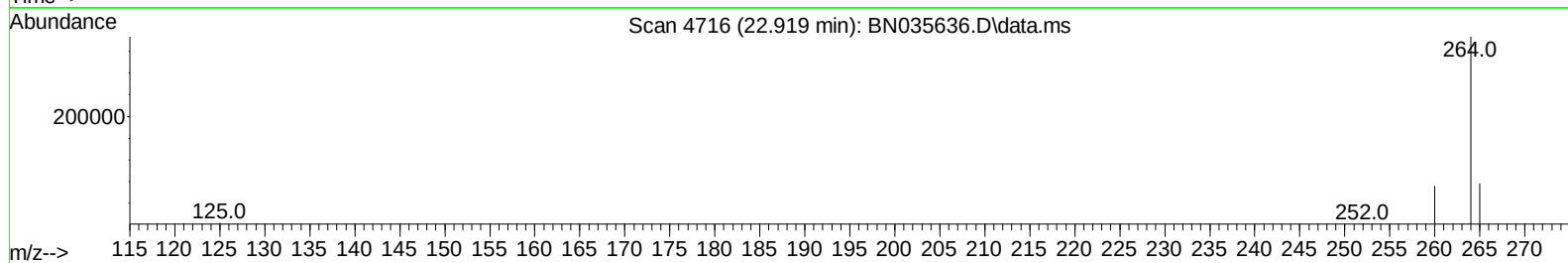
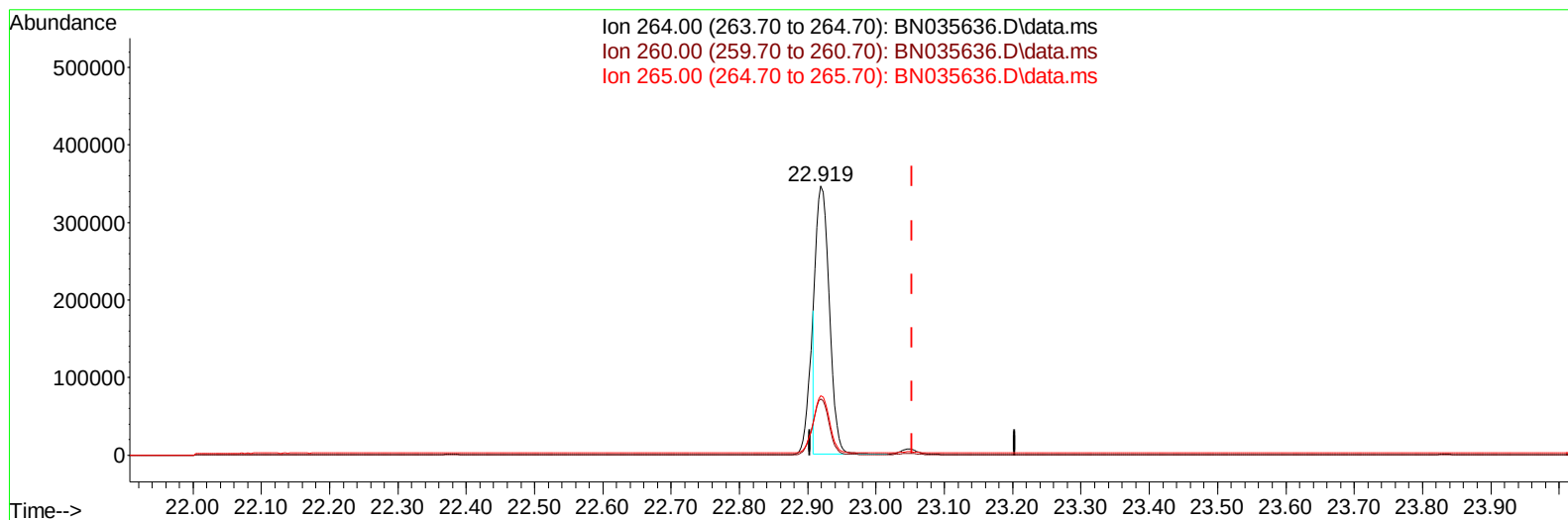
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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



TIC: BN035636.D\data.ms

(23) Perylene-d12 (I)

22.919min (-0.134) 0.40 ng/u1

response 479147

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	20.91#
265.00	62.10	21.99#
0.00	0.00	0.00

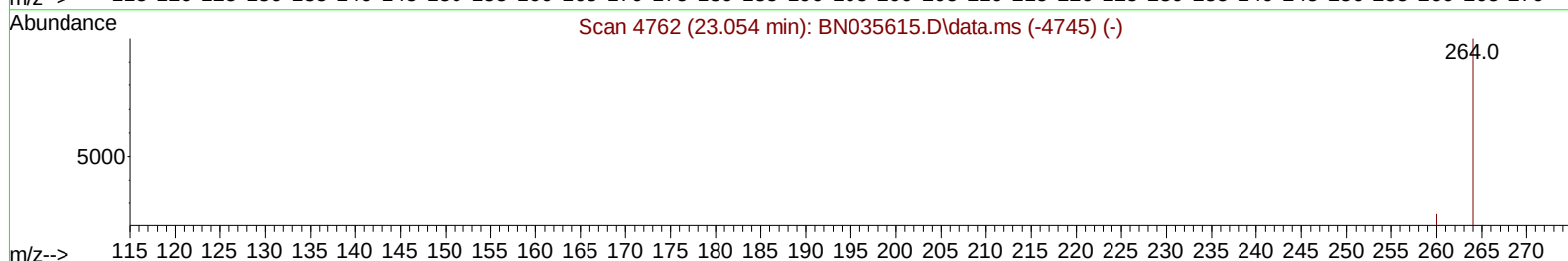
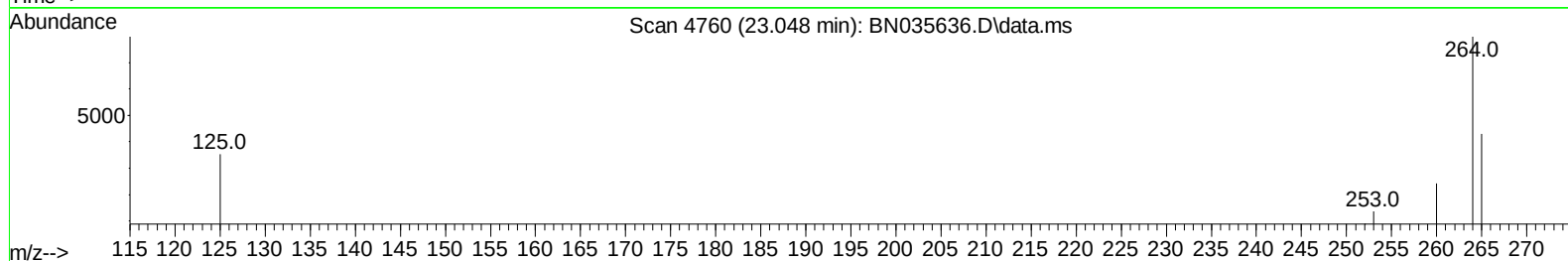
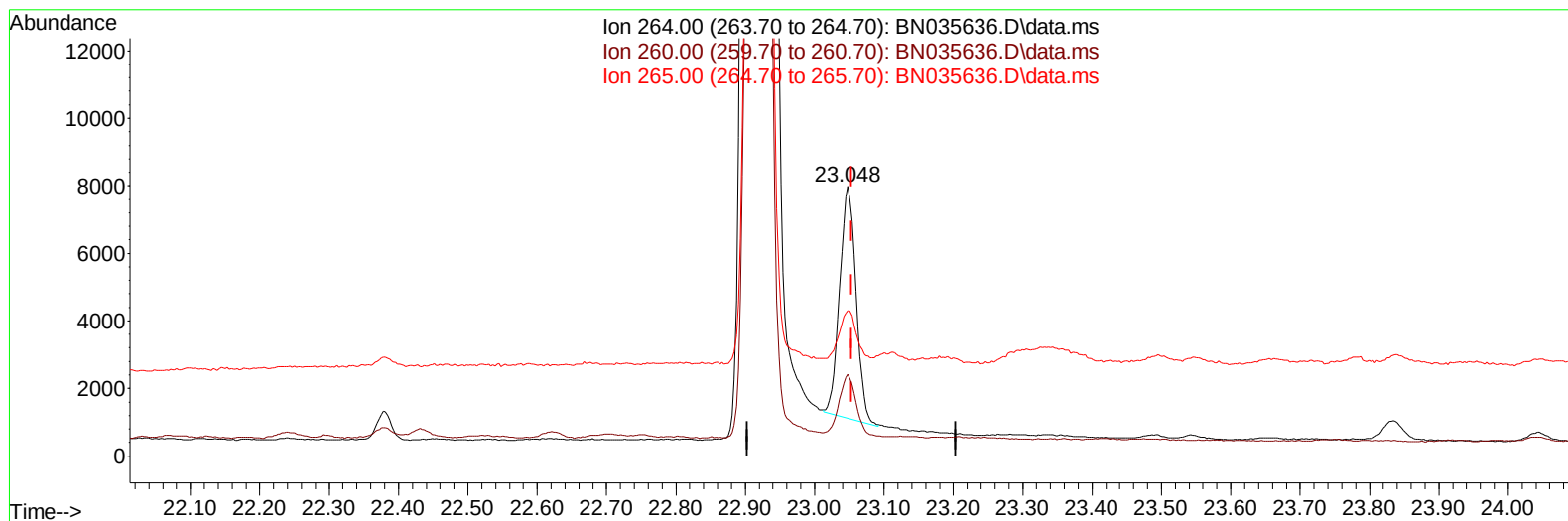
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/ul m

response 11218

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	30.28
265.00	62.10	53.95
0.00	0.00	0.00

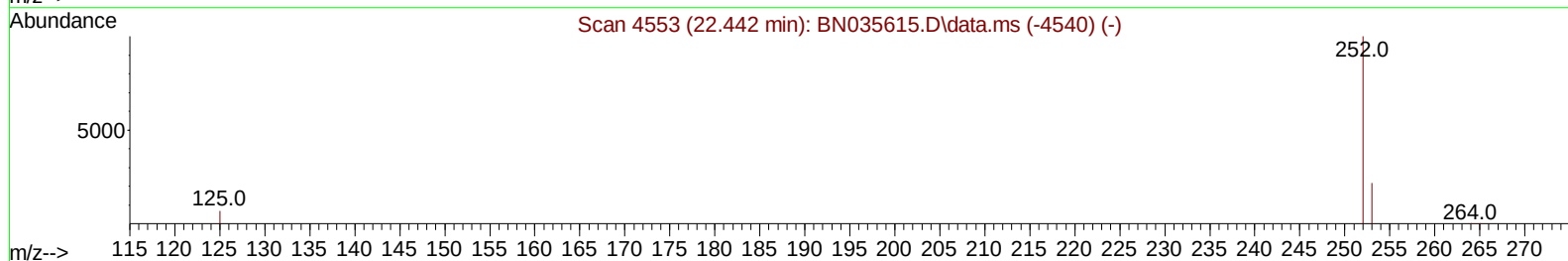
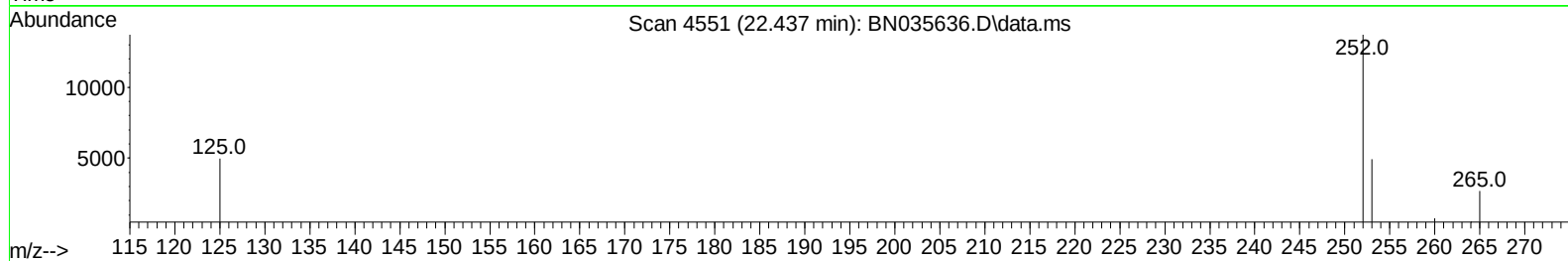
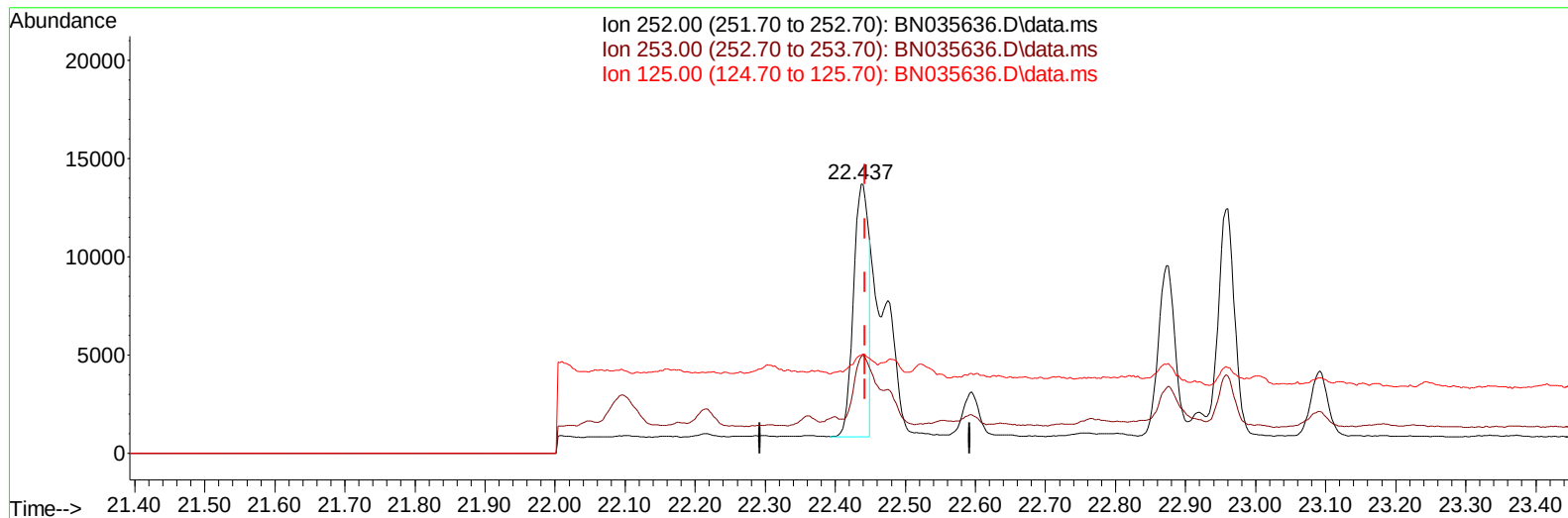
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 0.58 ng/u1

response 19073

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	36.03
125.00	18.80	36.41
0.00	0.00	0.00

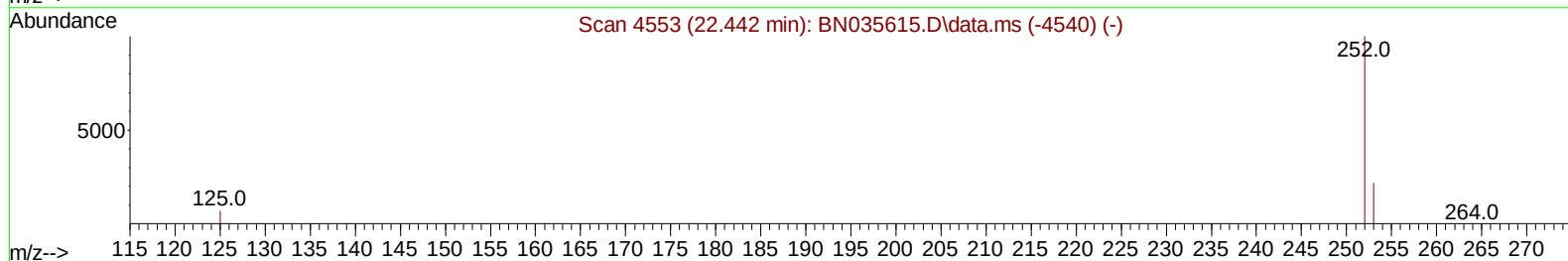
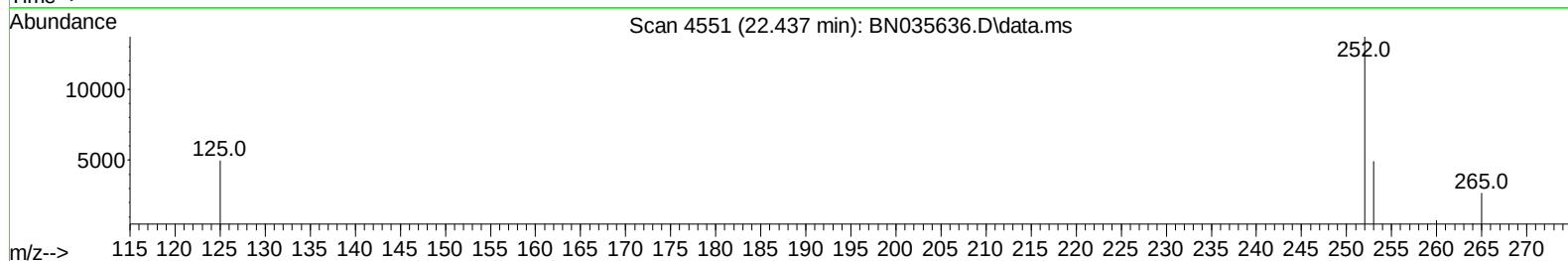
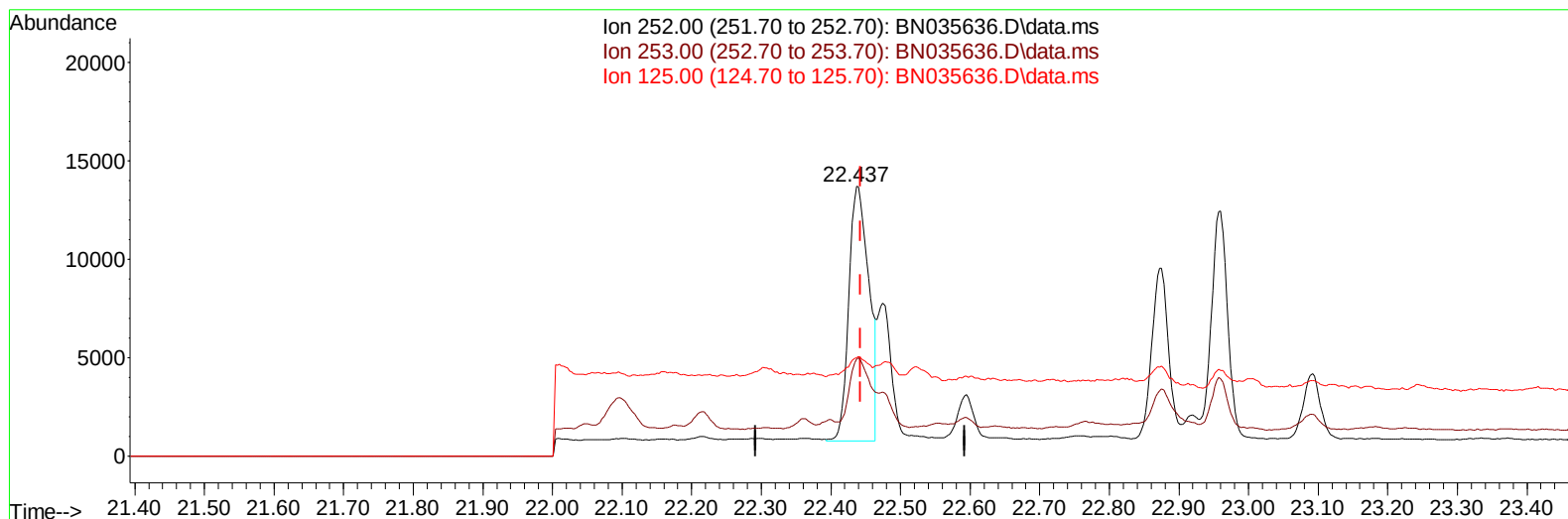
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 0.78 ng/ul m

response 25831

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	36.03
125.00	18.80	36.41
0.00	0.00	0.00

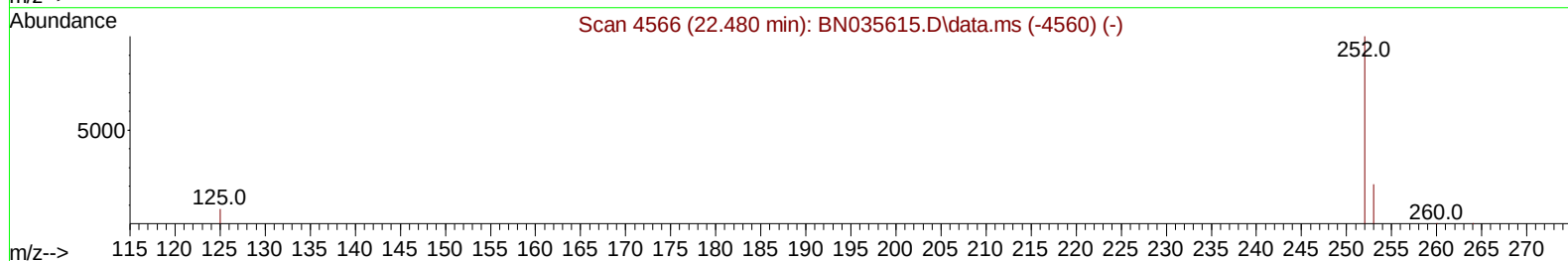
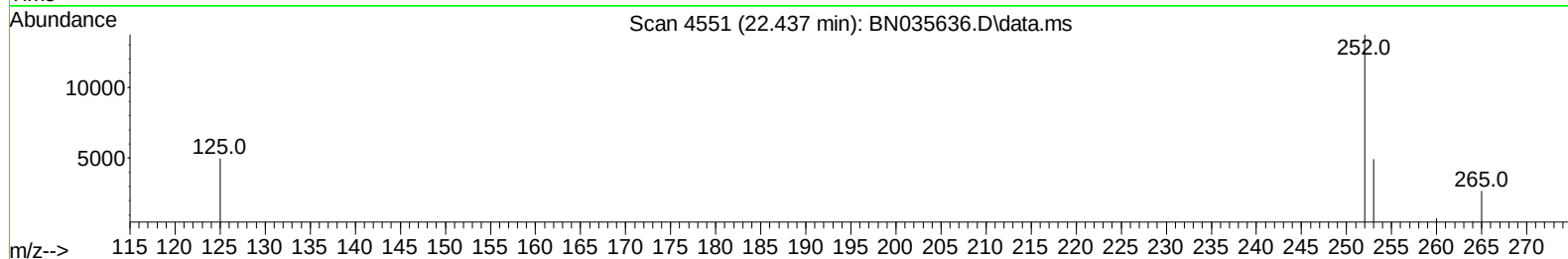
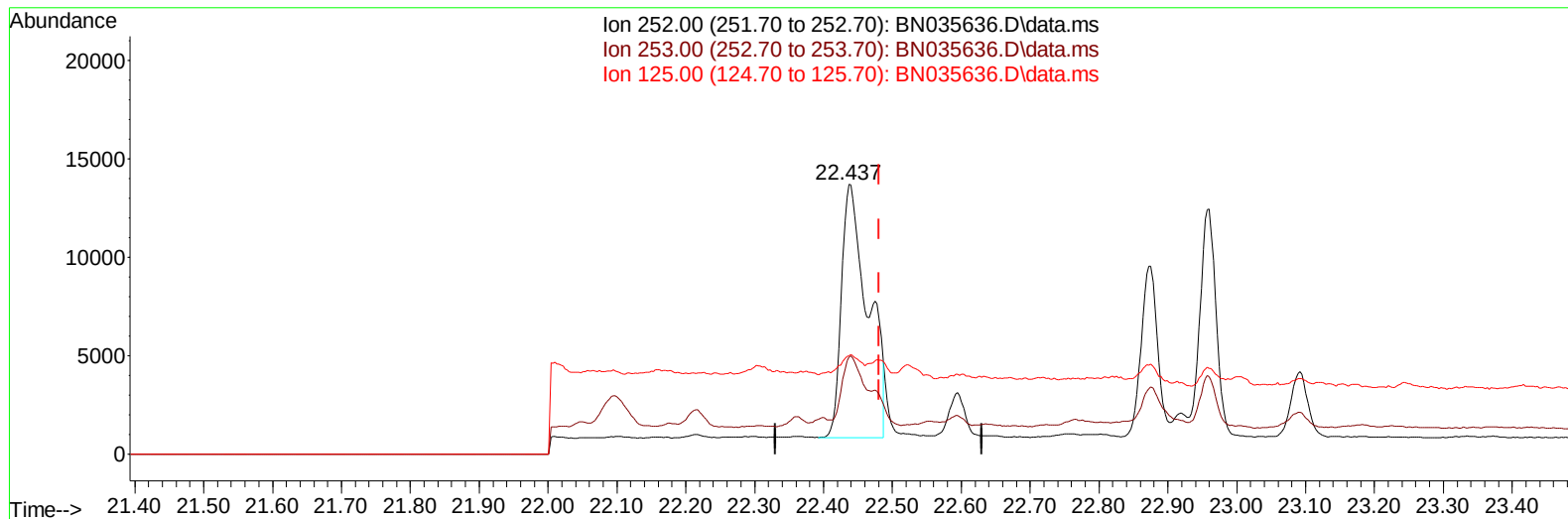
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 0.93 ng/u1

response 34034

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	36.03#
125.00	19.10	36.41#
0.00	0.00	0.00

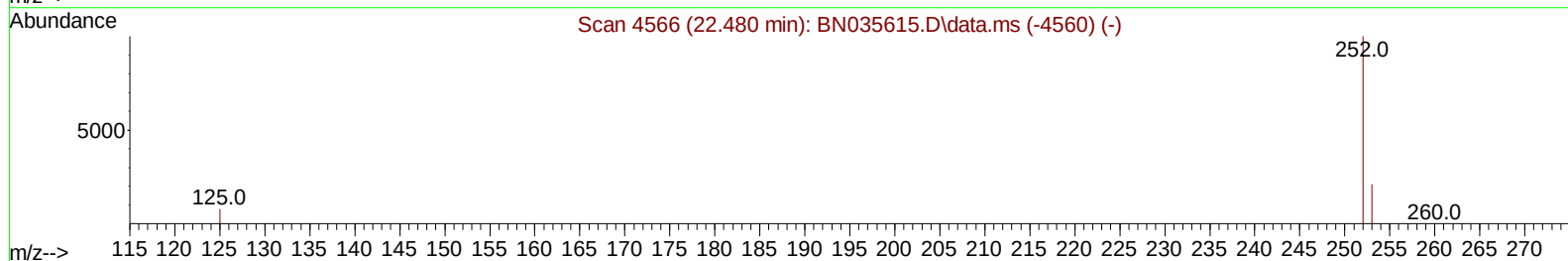
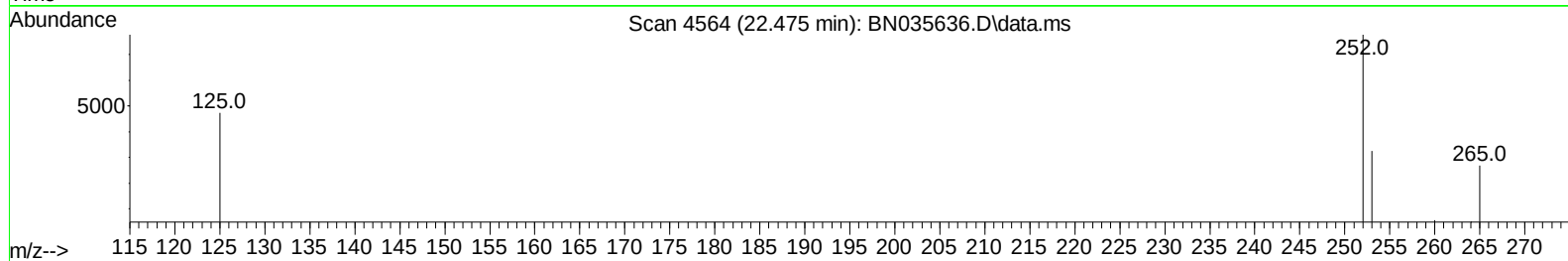
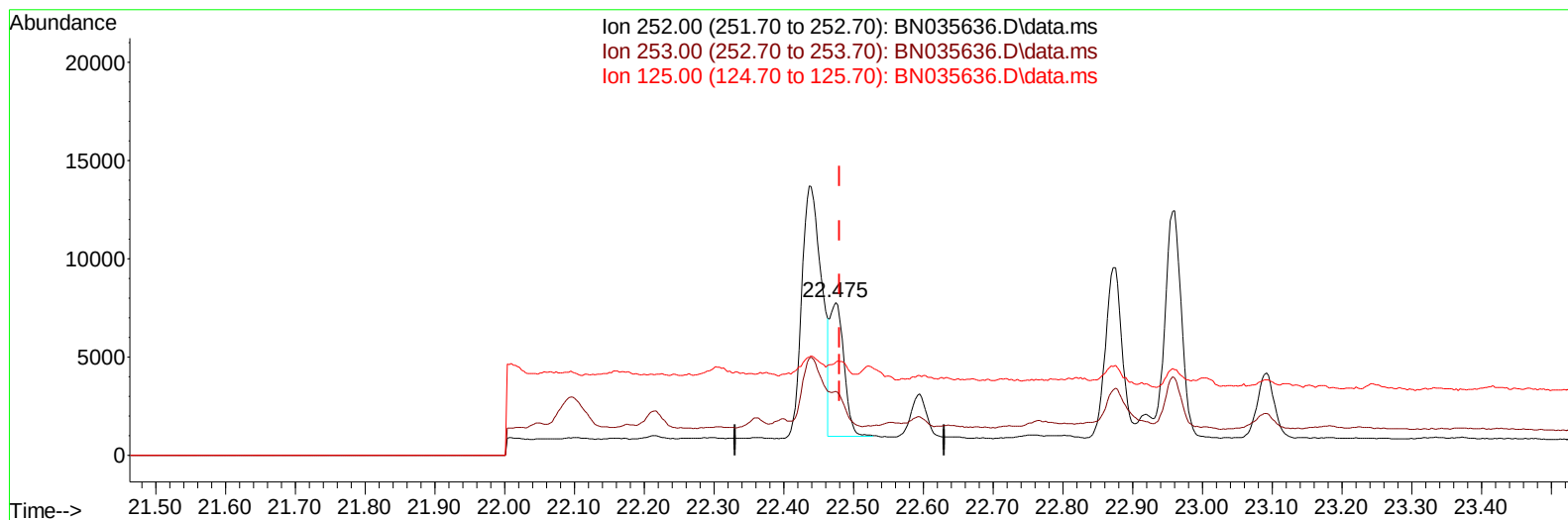
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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



TIC: BN035636.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.006) 0.26 ng/ul m

response 9590

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	41.97#
125.00	19.10	60.87#
0.00	0.00	0.00

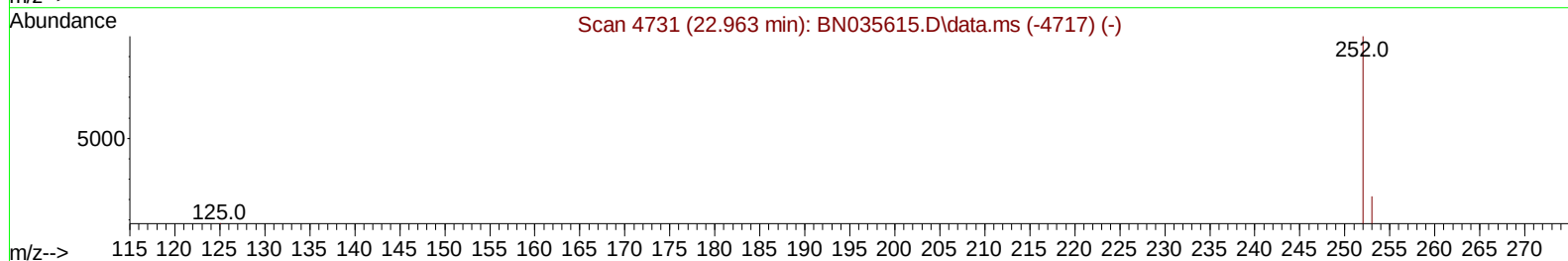
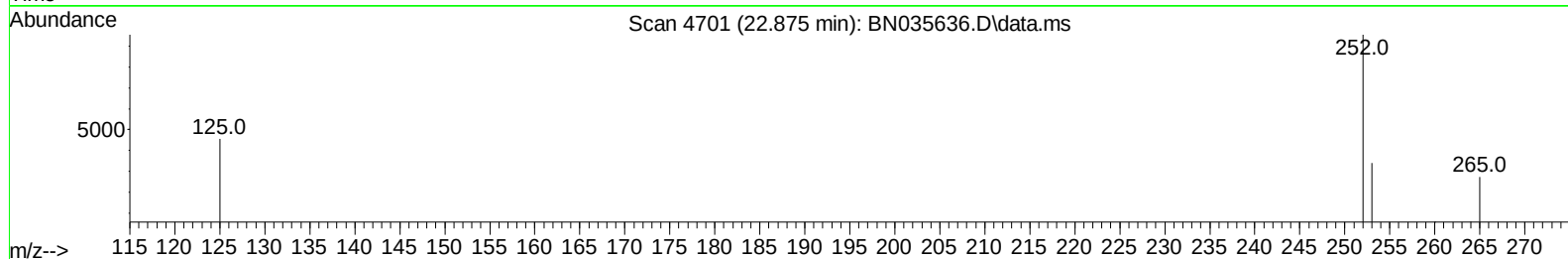
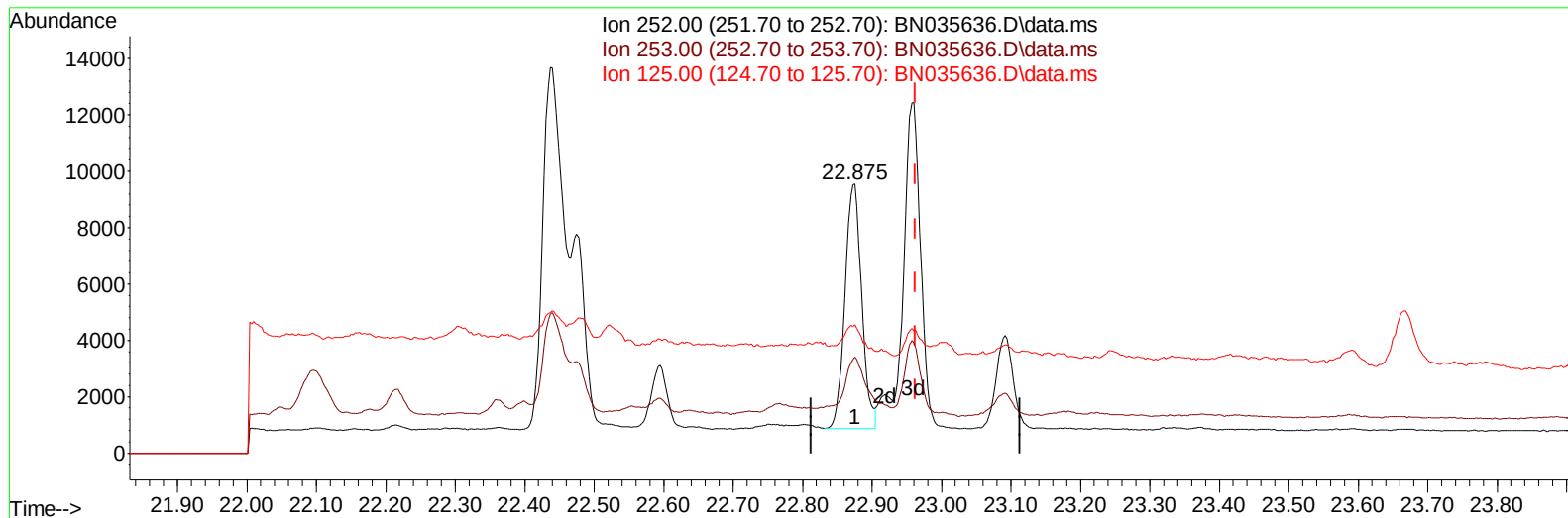
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(26) Benzo(a)pyrene (C)

22.875min (-0.088) 0.45 ng/u1

response 14536

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	35.79
125.00	23.90	47.79#
0.00	0.00	0.00

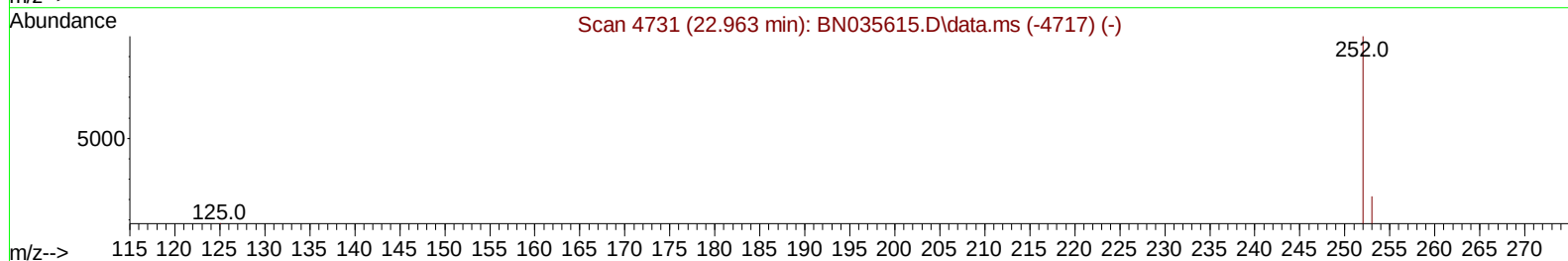
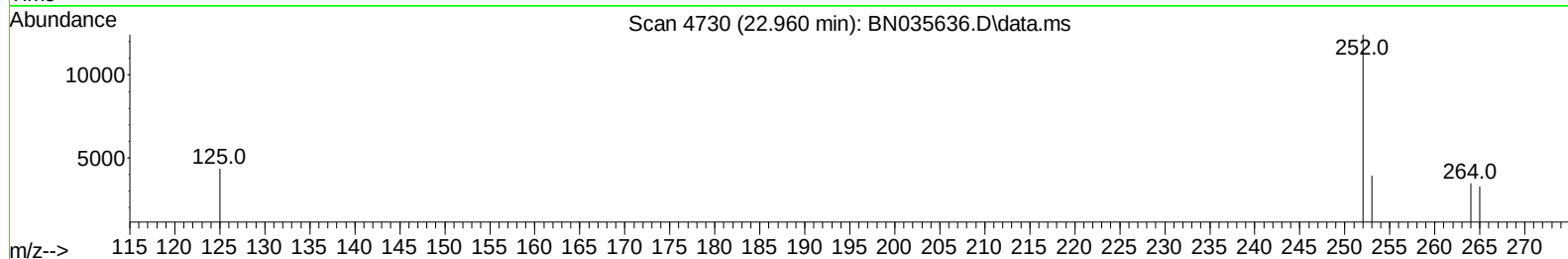
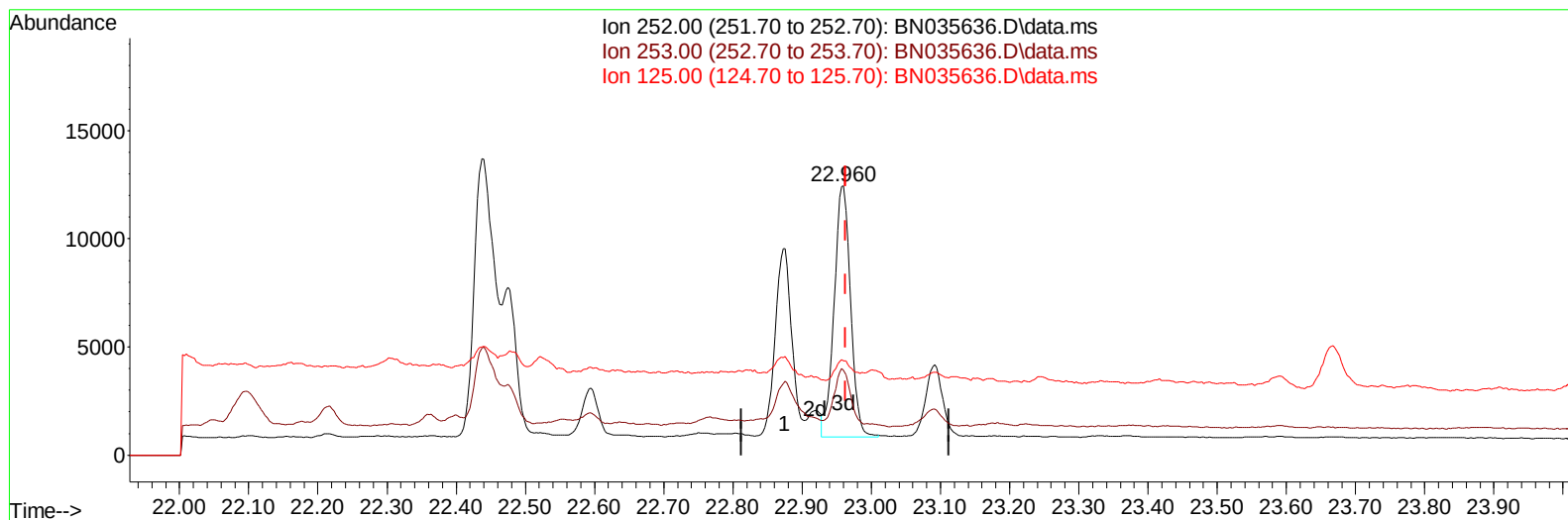
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(26) Benzo(a)pyrene (C)

22.960min (-0.003) 0.60 ng/ul m

response 19107

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	31.45
125.00	23.90	34.92#
0.00	0.00	0.00

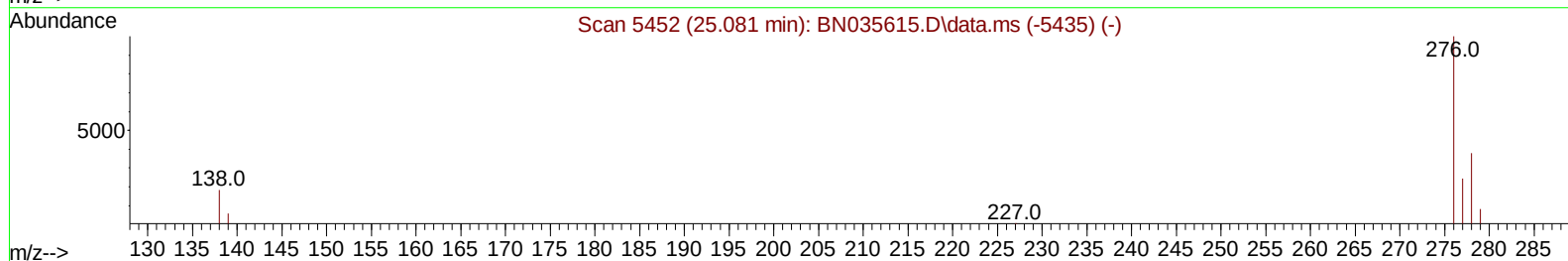
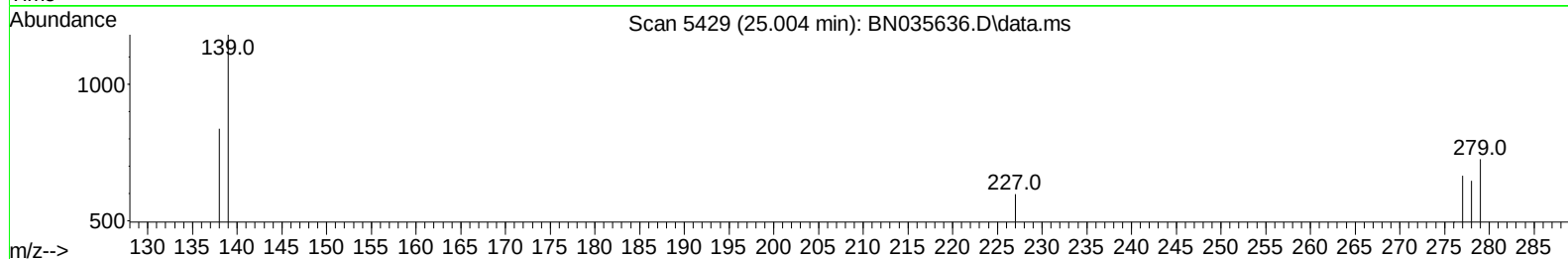
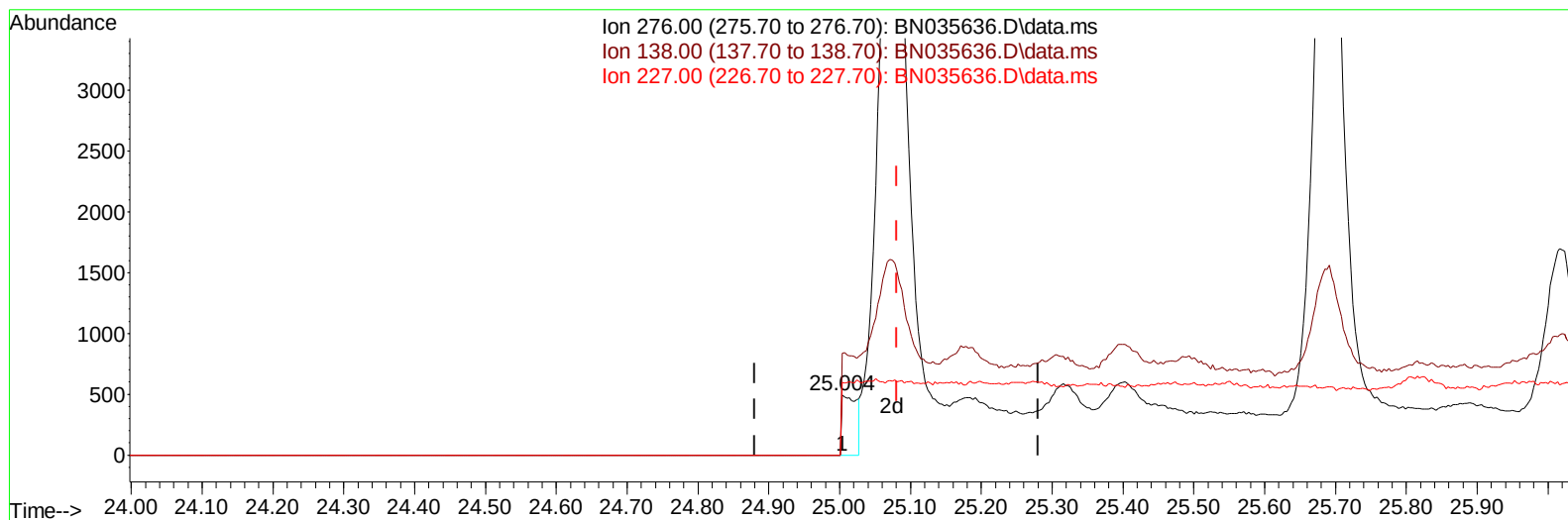
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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



TIC: BN035636.D\data.ms

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

25.004min (-0.077) 0.02 ng/u1

response 726

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

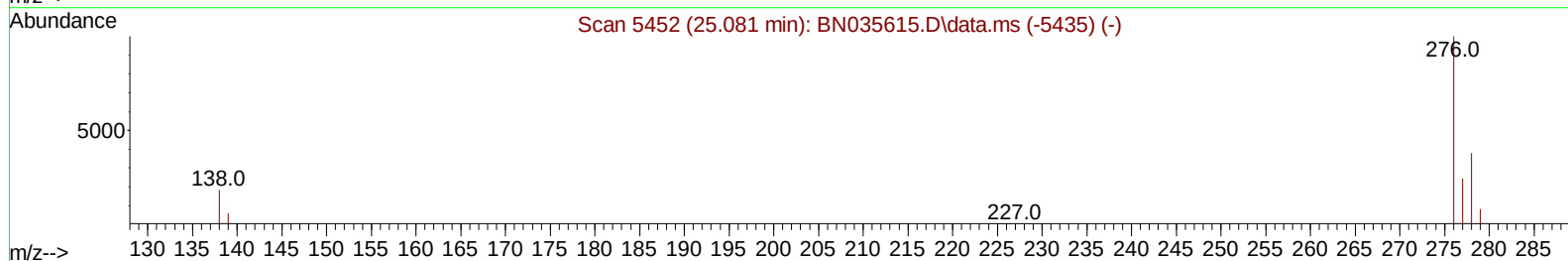
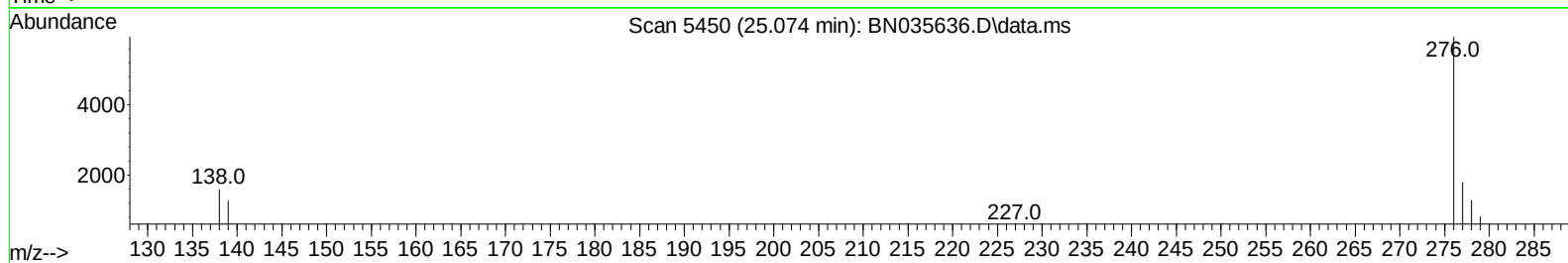
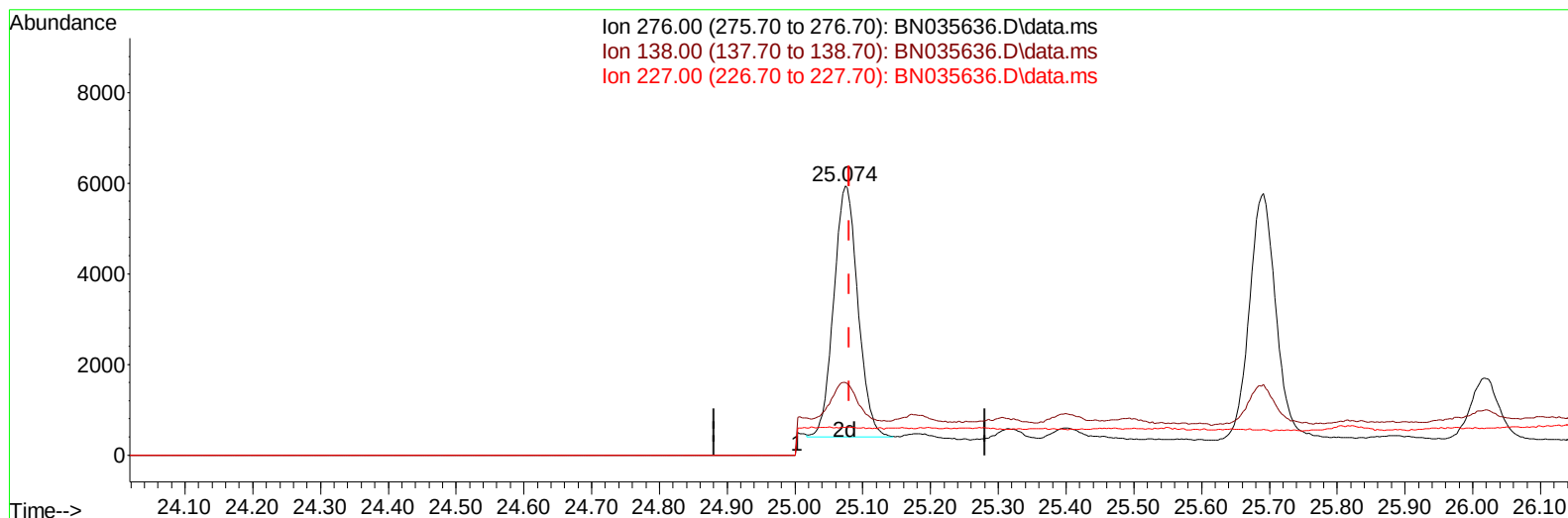
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

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

25.074min (-0.007) 0.35 ng/ul m

response 13667

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

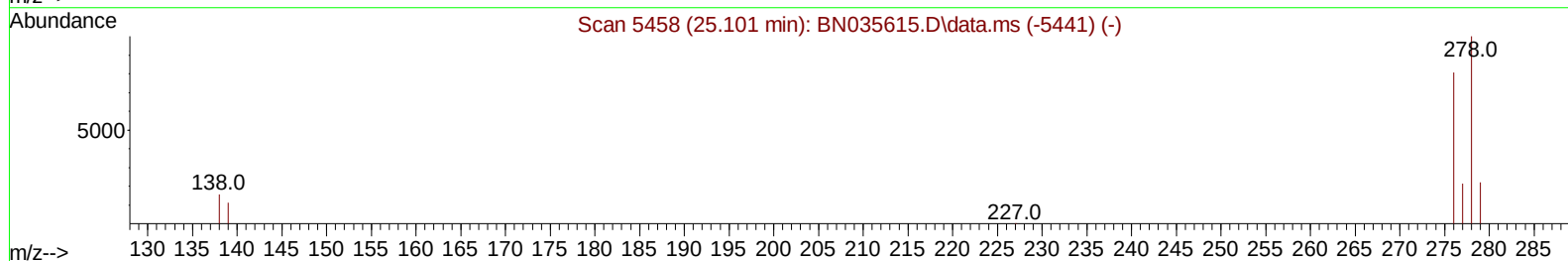
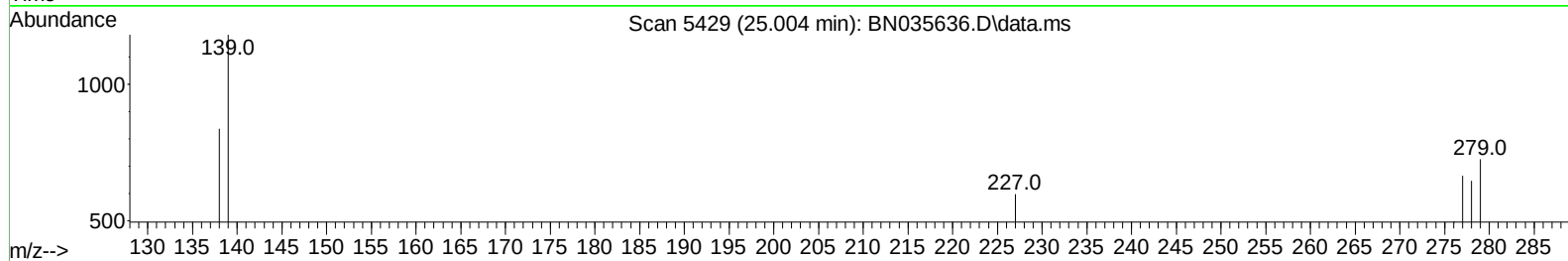
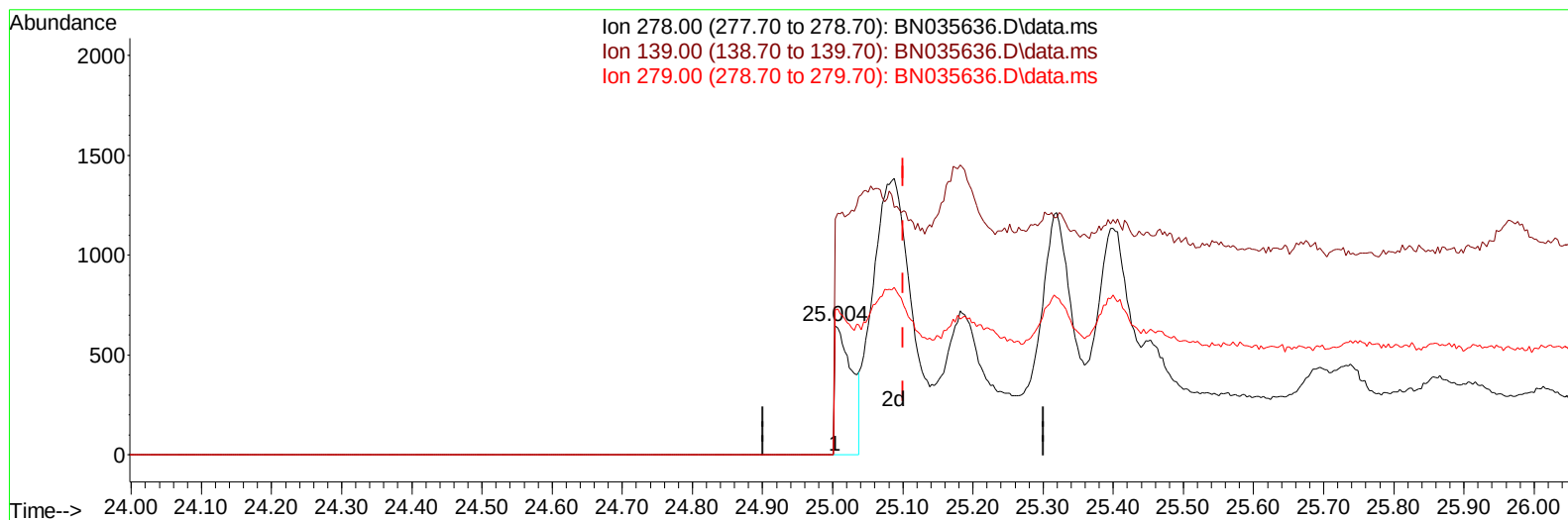
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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



TIC: BN035636.D\data.ms

(28) Dibenzo(a,h)anthracene

25.004min (-0.097) 0.04 ng/u1

response 1092

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	182.82#
279.00	30.00	112.23#
0.00	0.00	0.00

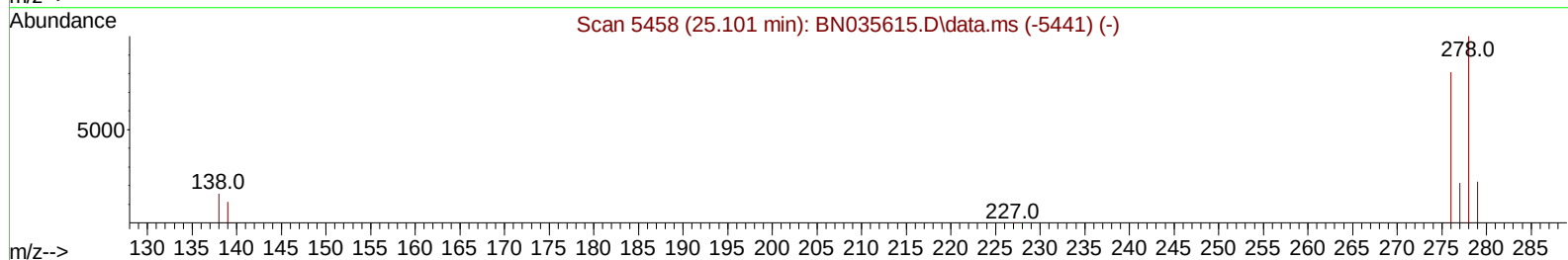
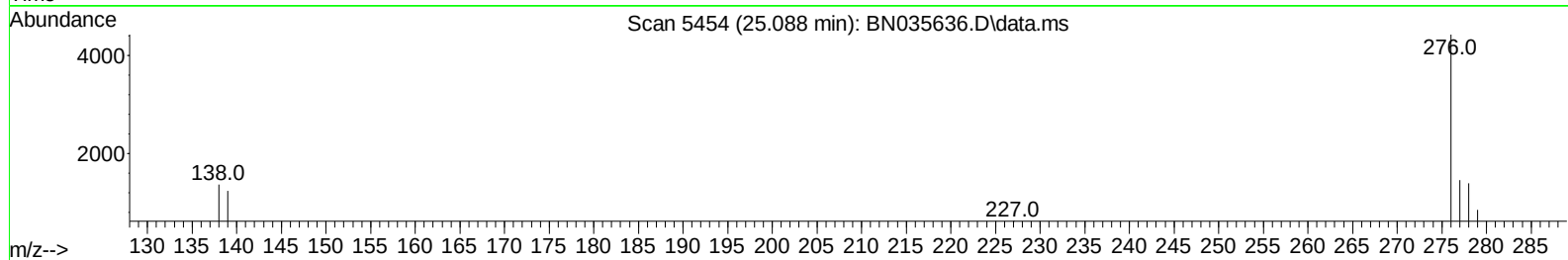
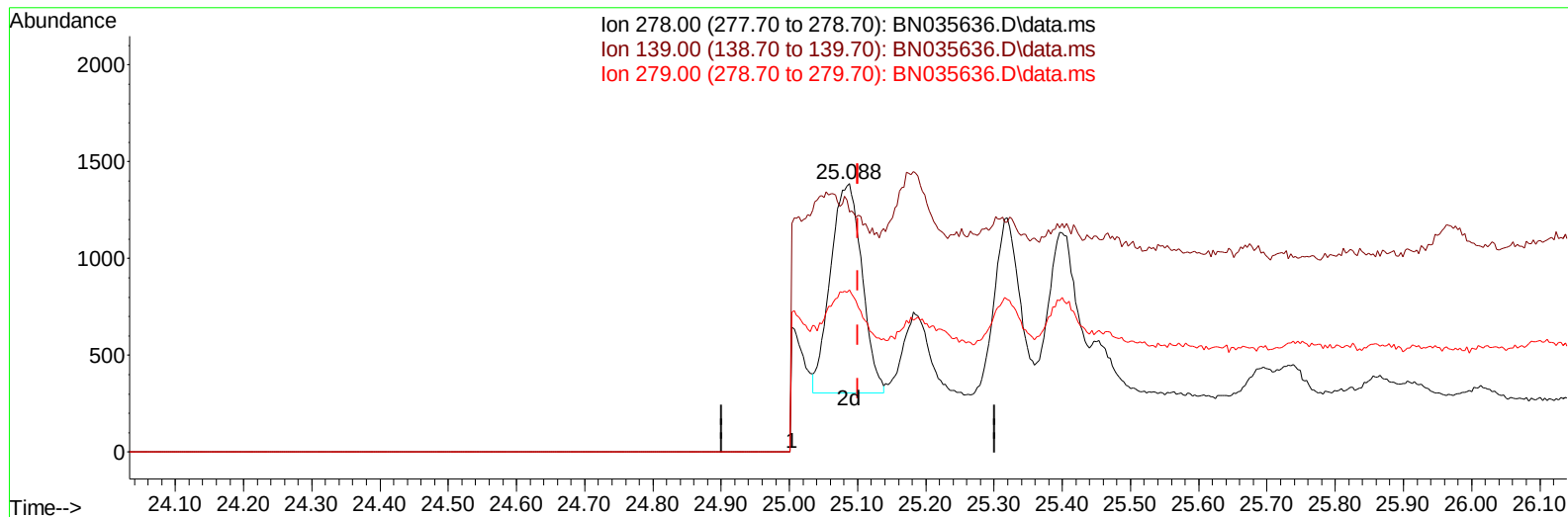
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

(28) Dibenzo(a,h)anthracene

25.088min (-0.013) 0.12 ng/ul m

response 3474

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	89.47#
279.00	30.00	60.53#
0.00	0.00	0.00

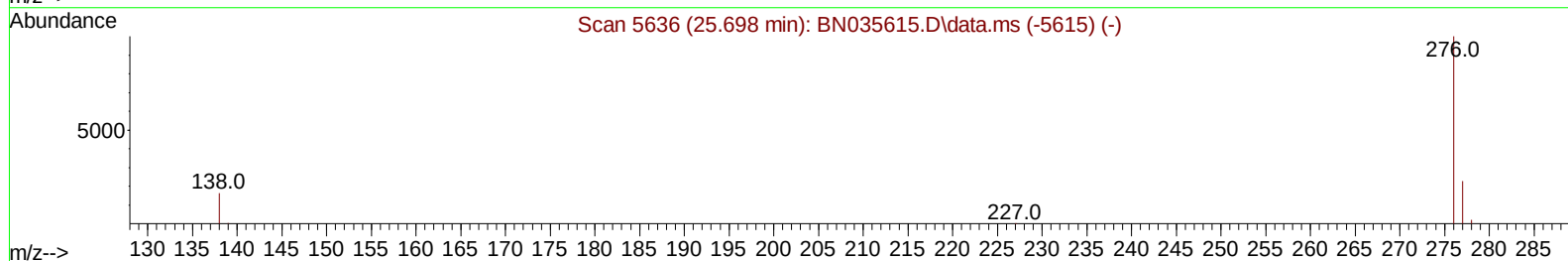
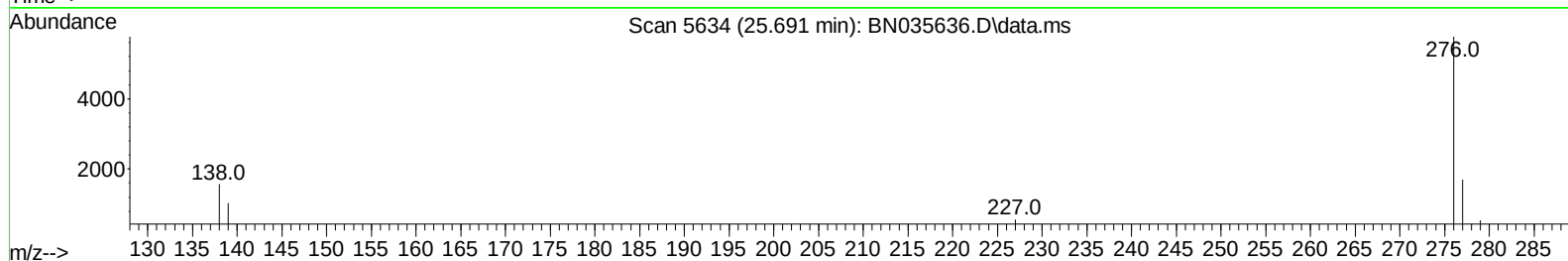
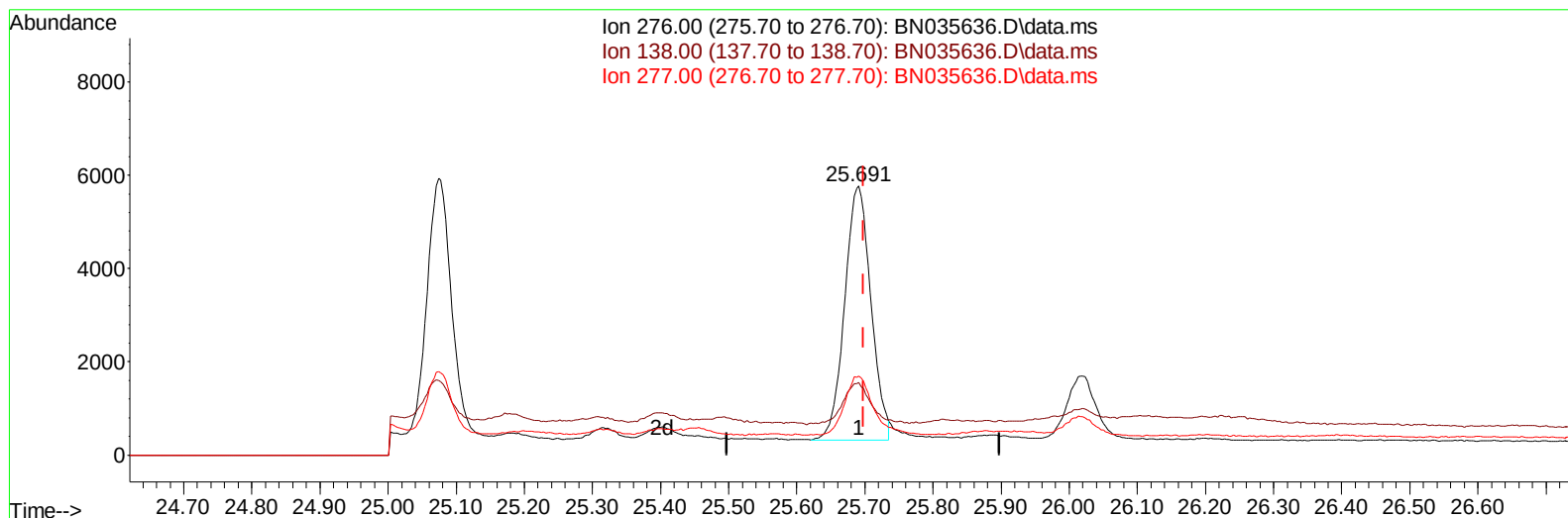
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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



TIC: BN035636.D\data.ms

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

25.691min (-0.007) 0.47 ng/u1

response 14555

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.50	27.12
277.00	27.00	29.44
0.00	0.00	0.00

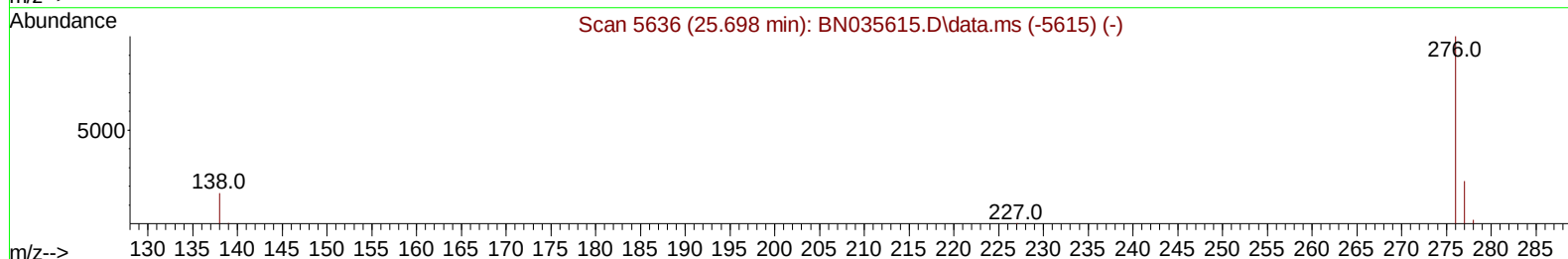
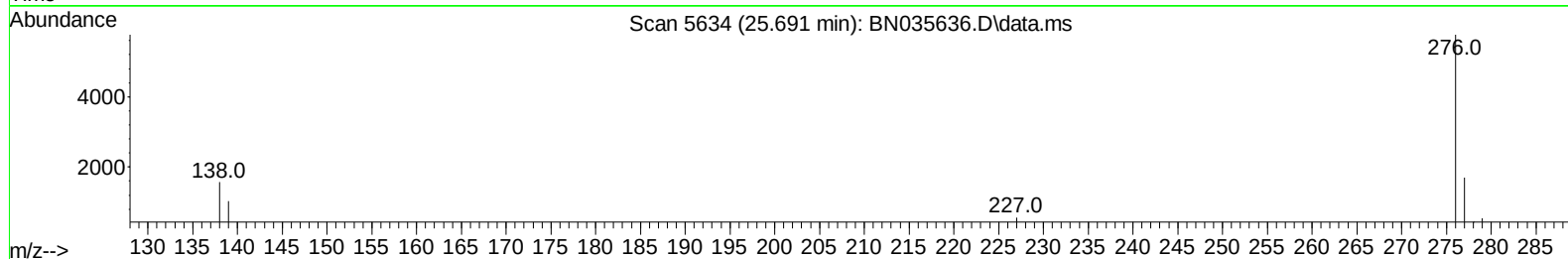
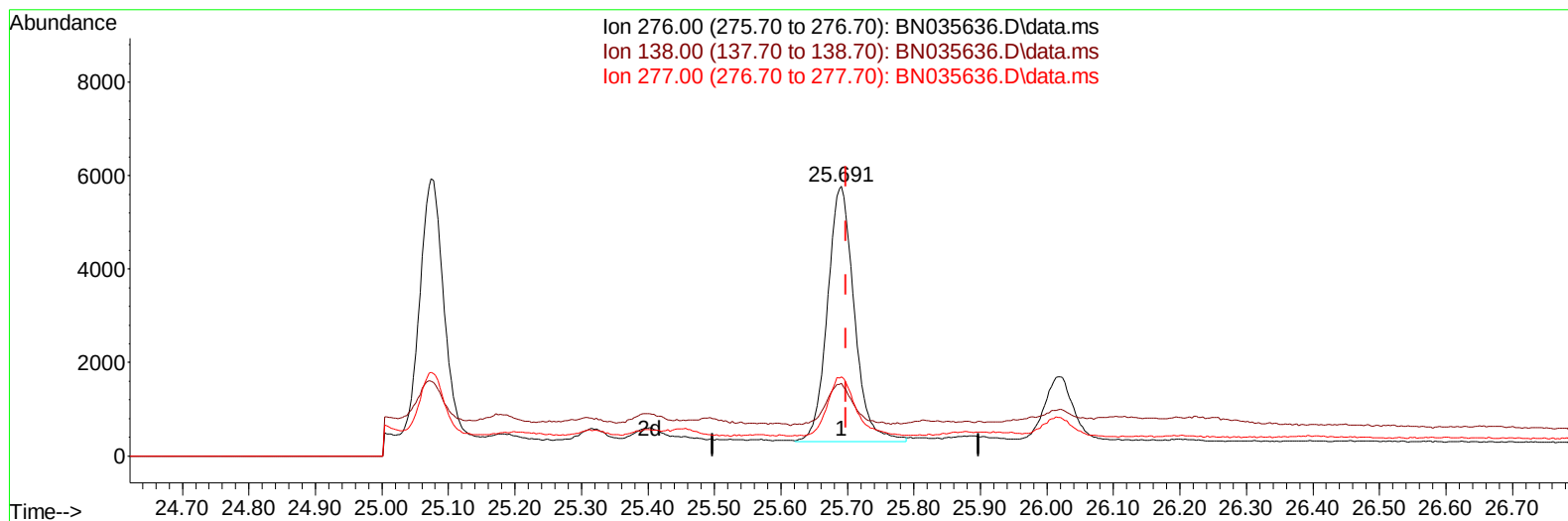
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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: BN035636.D\data.ms

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

25.691min (-0.007) 0.49 ng/ul m

response 15210

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	24.50	27.12
277.00	27.00	29.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035636.D
 Acq On : 17 Dec 2024 03:12
 Operator : RC/JU
 Sample : P5232-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28R8

Manual IntegrationsAPPROVED

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

Quant Time: Dec 17 03:34:09 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2714	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	8044	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5896	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	12329	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.961	240	10823	0.400	ng/ul	# 0.00
23) Perylene-d12	23.048	264	11218m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	7588	3.153	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	2934	0.256	ng/ul	0.00
18) Fluoranthene-d10	18.768	212	8422	0.266	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.080	128	3126m	0.158	ng/ul	
7) 2-Methylnaphthalene	11.708	142	2221	0.167	ng/ul	95
8) 1-Methylnaphthalene	11.934	142	1695	0.123	ng/ul	97
10) Acenaphthylene	13.662	152	1444	0.063	ng/ul#	29
11) Acenaphthene	14.009	153	2461	0.143	ng/ul	96
12) Fluorene	15.013	166	2468	0.123	ng/ul#	81
15) Phenanthrene	16.755	178	28066	0.910	ng/ul	97
16) Anthracene	16.848	178	6606	0.229	ng/ul#	85
19) Fluoranthene	18.800	202	45867	1.185	ng/ul	98
20) Pyrene	19.167	202	42923	1.007	ng/ul	98
21) Benzo(a)anthracene	20.944	228	18661	0.520	ng/ul#	92
22) Chrysene	20.996	228	21024	0.564	ng/ul#	92
24) Benzo(b)fluoranthene	22.437	252	25831m	0.781	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	9590m	0.262	ng/ul	
26) Benzo(a)pyrene	22.960	252	19107m	0.597	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.074	276	13667m	0.351	ng/ul	
28) Dibenzo(a,h)anthracene	25.088	278	3474m	0.117	ng/ul	
29) Benzo(g,h,i)perylene	25.691	276	15210m	0.486	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035636.D
Acq On : 17 Dec 2024 03:12
Operator : RC/JU
Sample : P5232-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R8

Manual IntegrationsAPPROVED

Quant Time: Dec 17 03:34:09 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

