

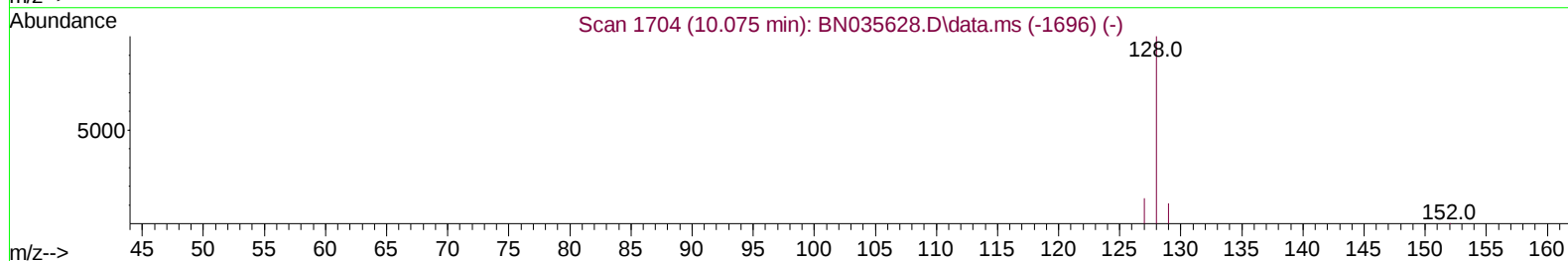
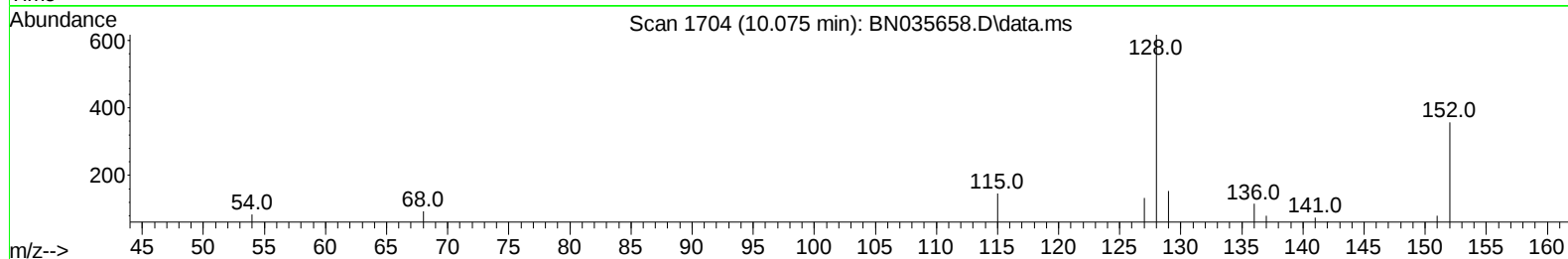
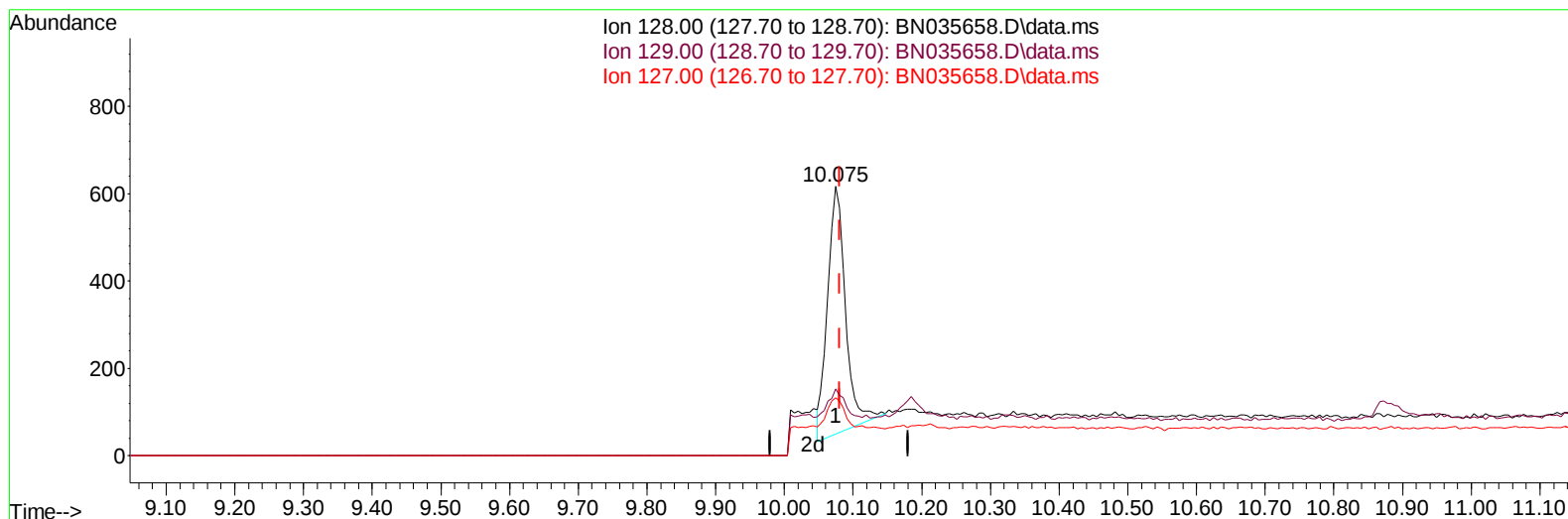
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.05 ng/u1

response 1032

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	24.80#
127.00	15.00	21.56#
0.00	0.00	0.00

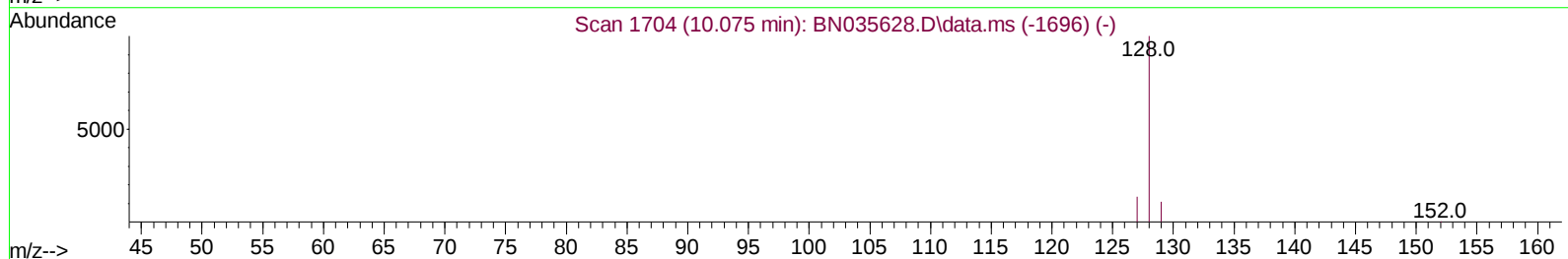
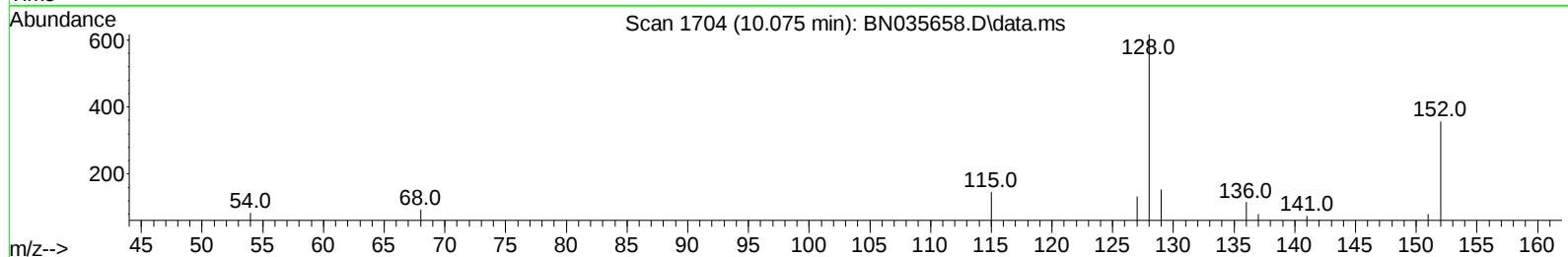
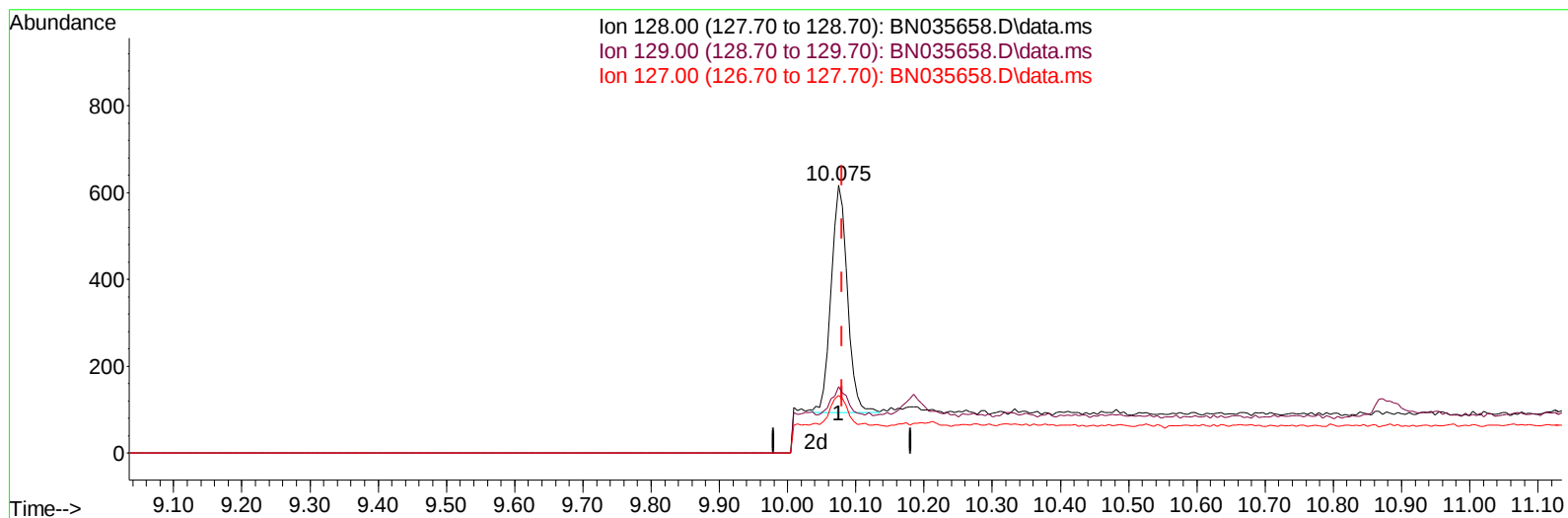
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(5) Naphthalene

10.075min (-0.005) 0.04 ng/ul m

response 865

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	24.80#
127.00	15.00	21.56#
0.00	0.00	0.00

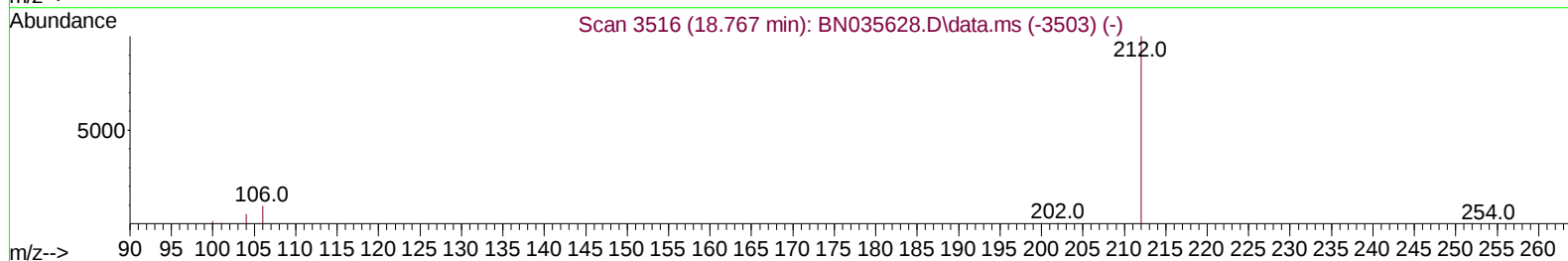
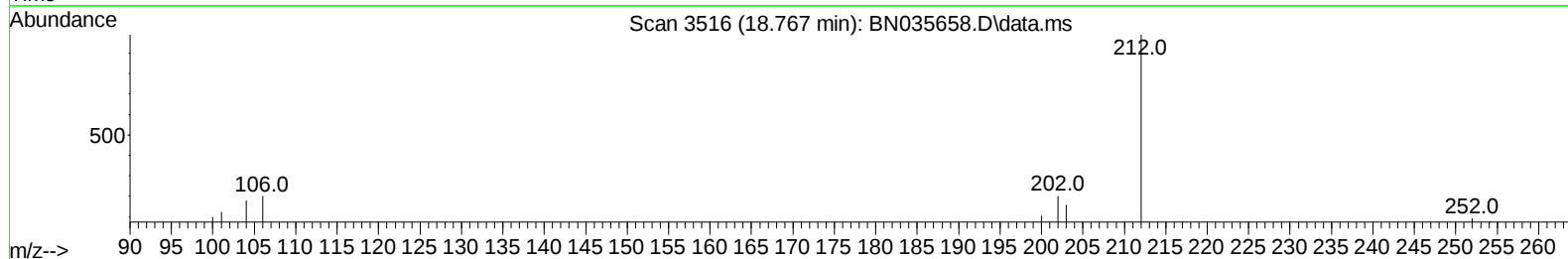
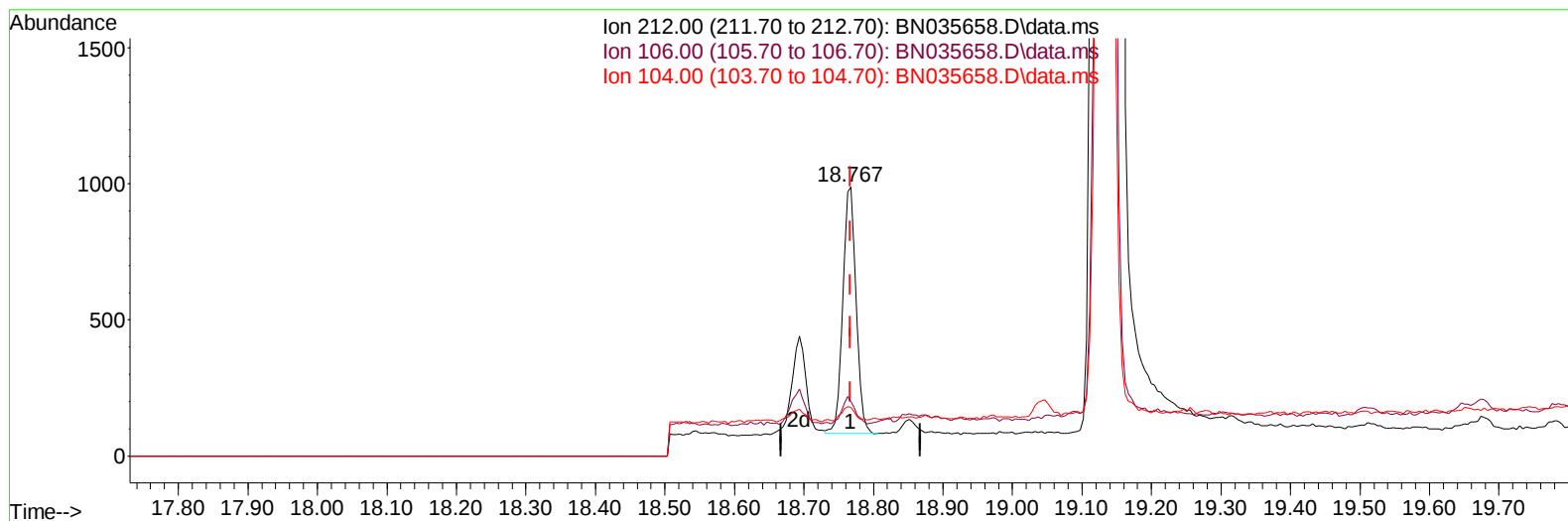
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.767min (+ 0.000) 0.04 ng/u1

response 1213

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	10.00	10.88
104.00	5.90	7.50#
0.00	0.00	0.00

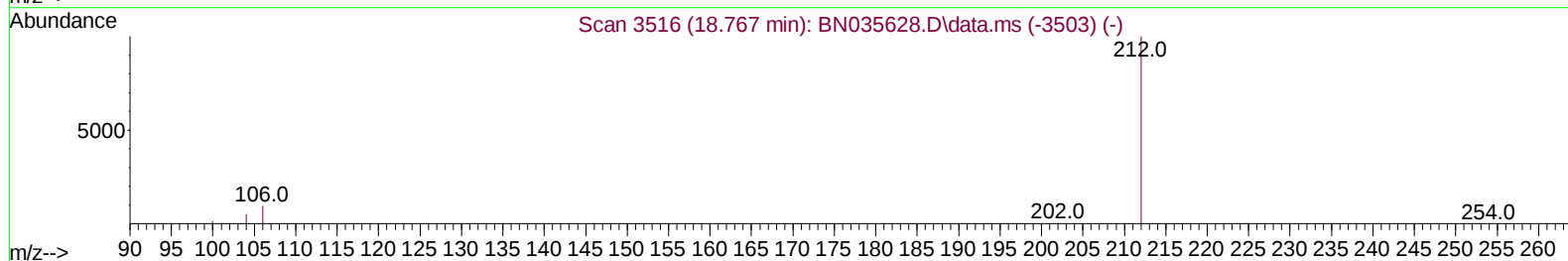
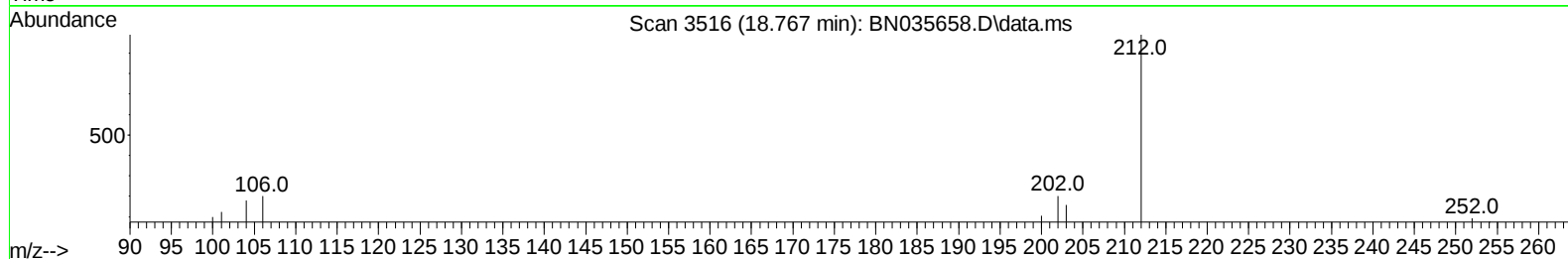
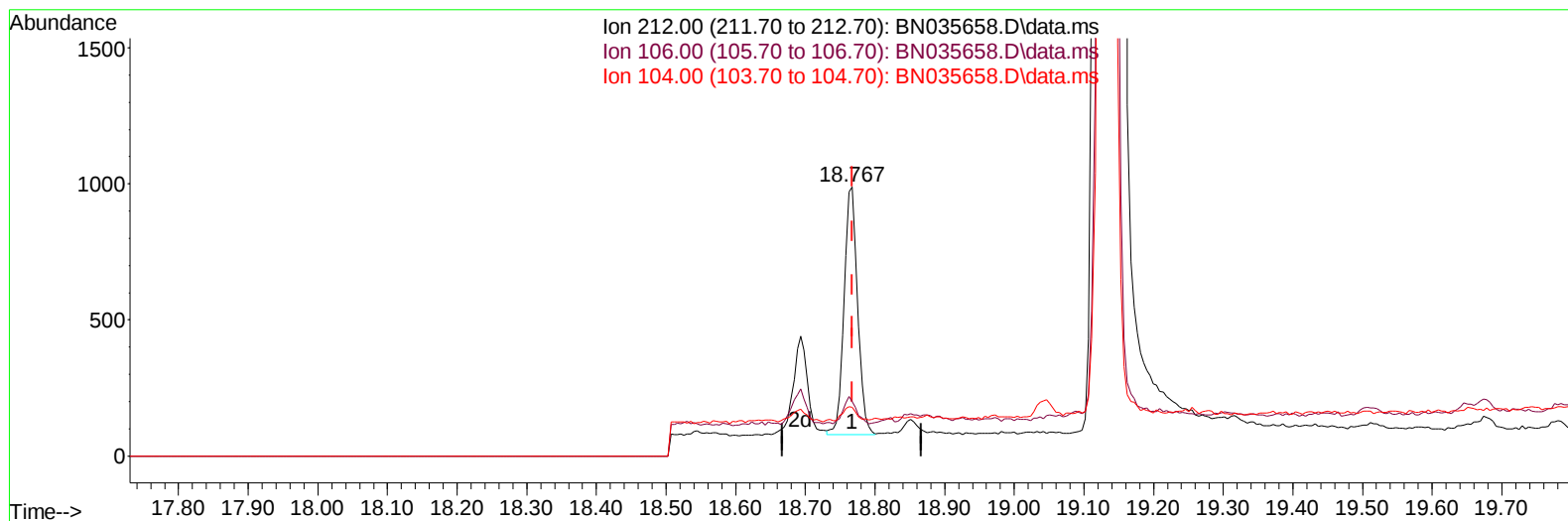
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.767min (+ 0.000) 0.04 ng/u1 m

response 1230

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	10.00	10.73
104.00	5.90	7.40#
0.00	0.00	0.00

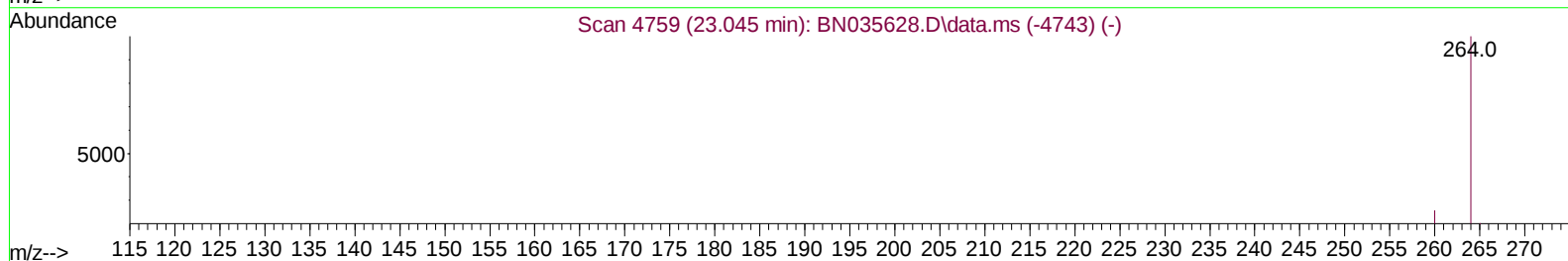
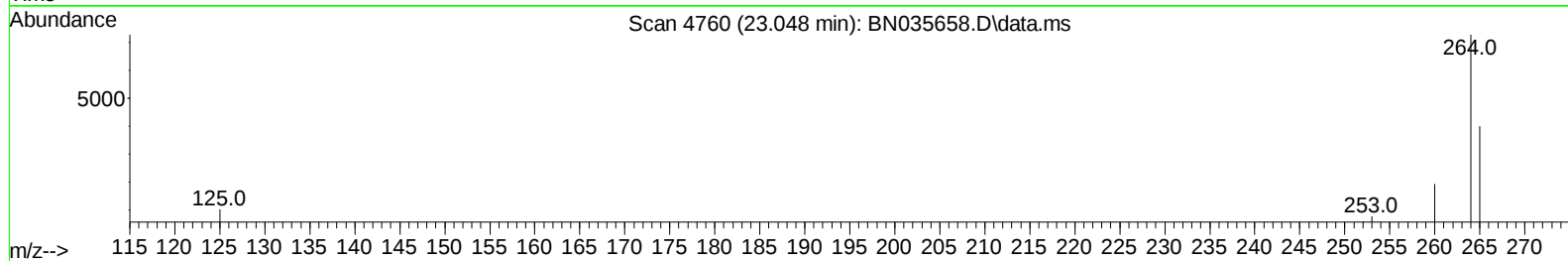
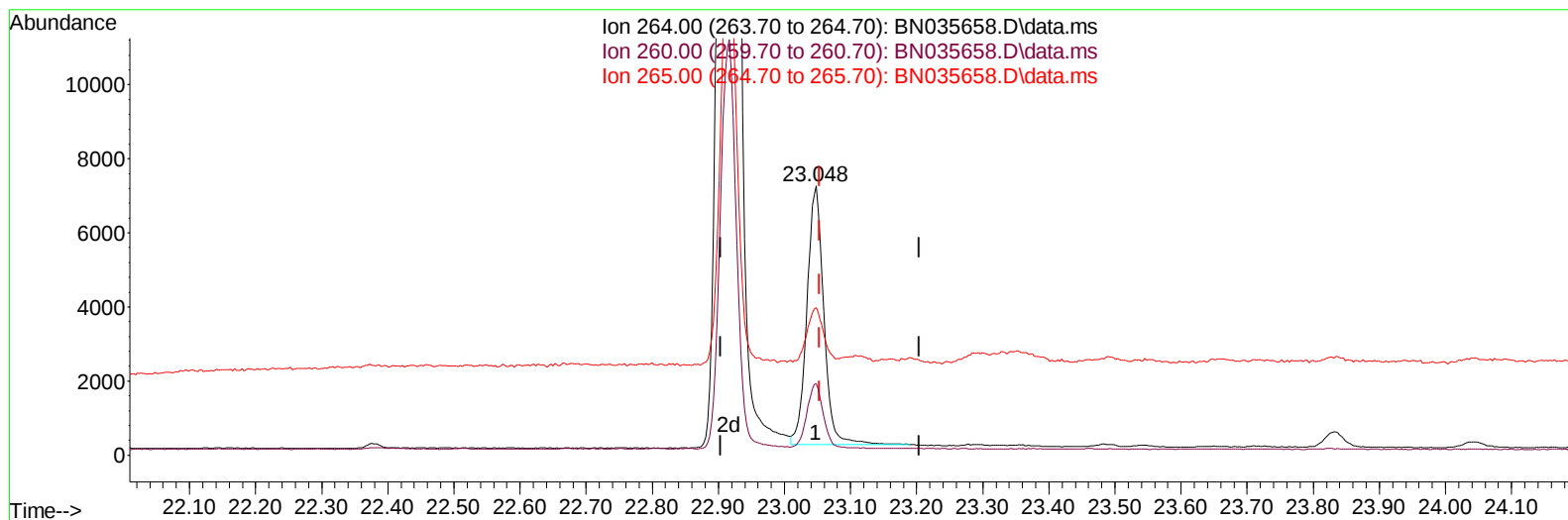
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1

response 12258

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.51
265.00	62.10	54.93
0.00	0.00	0.00

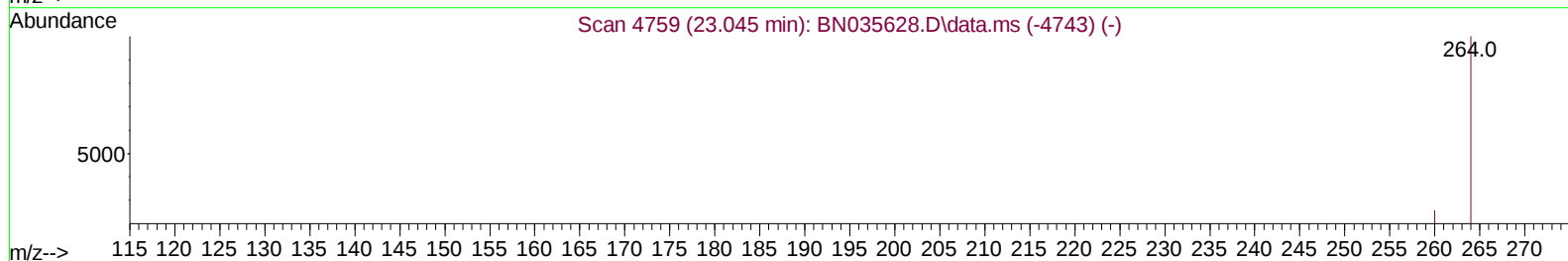
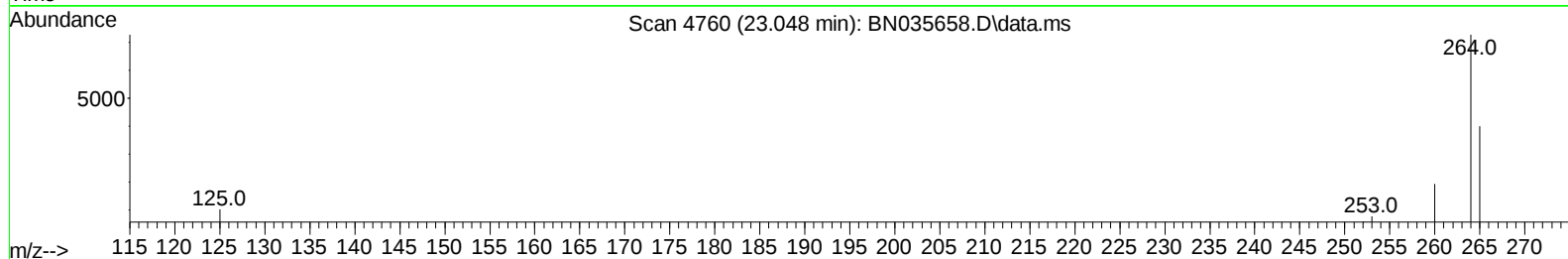
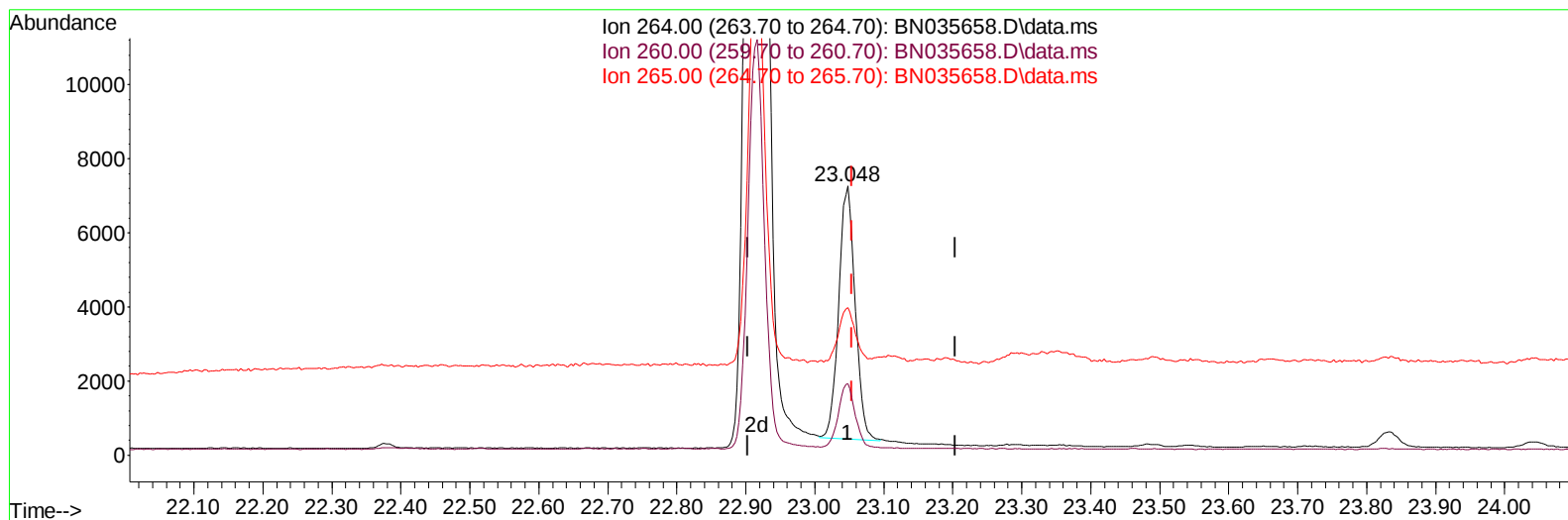
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(23) Perylene-d12 (I)

23.048min (-0.006) 0.40 ng/u1 m

response 11253

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.51
265.00	62.10	54.93
0.00	0.00	0.00

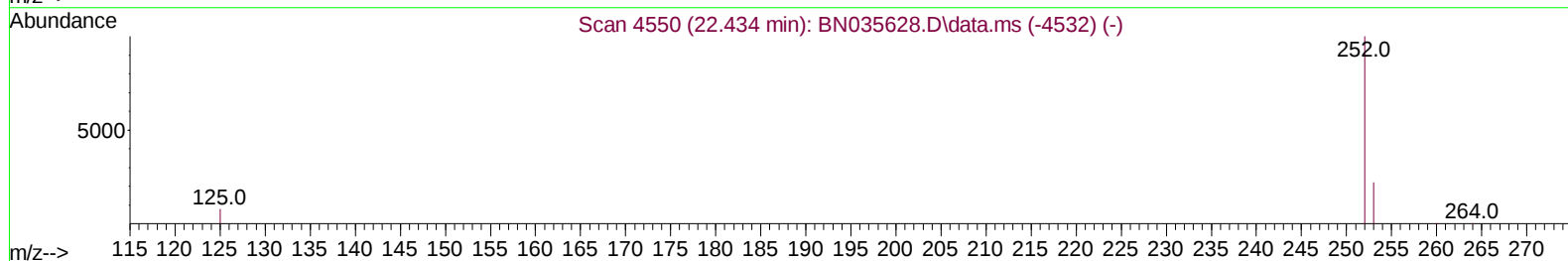
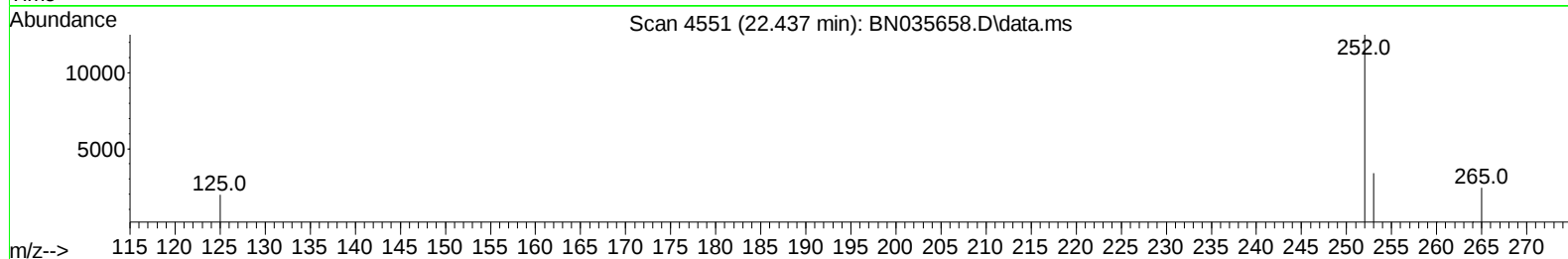
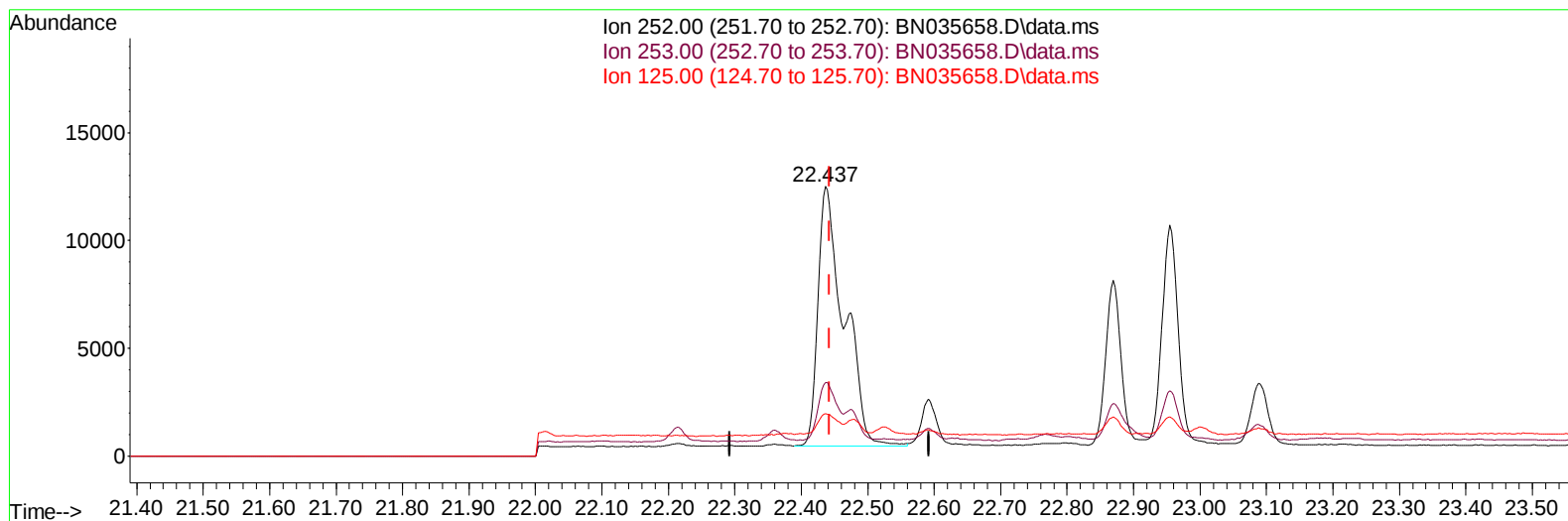
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 0.99 ng/u1

response 32832

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	27.14
125.00	18.80	15.64
0.00	0.00	0.00

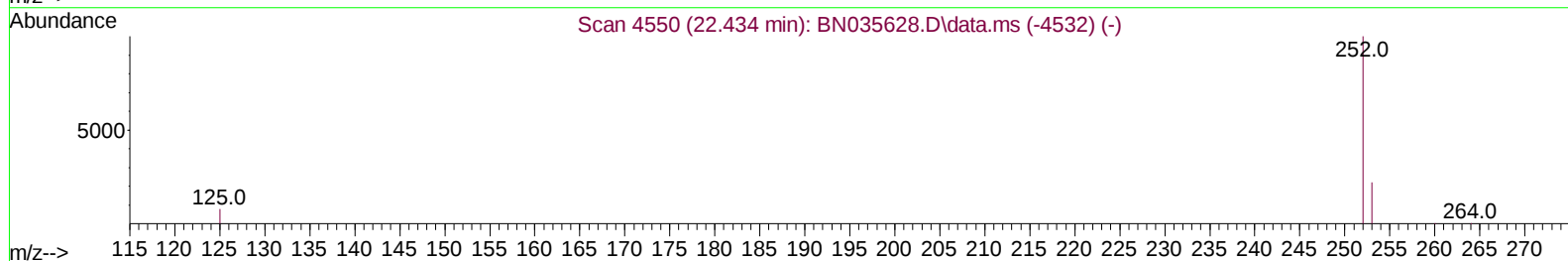
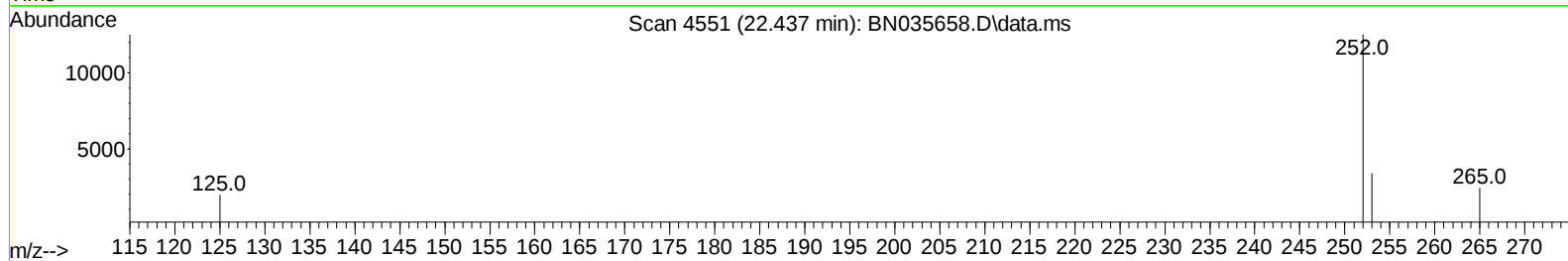
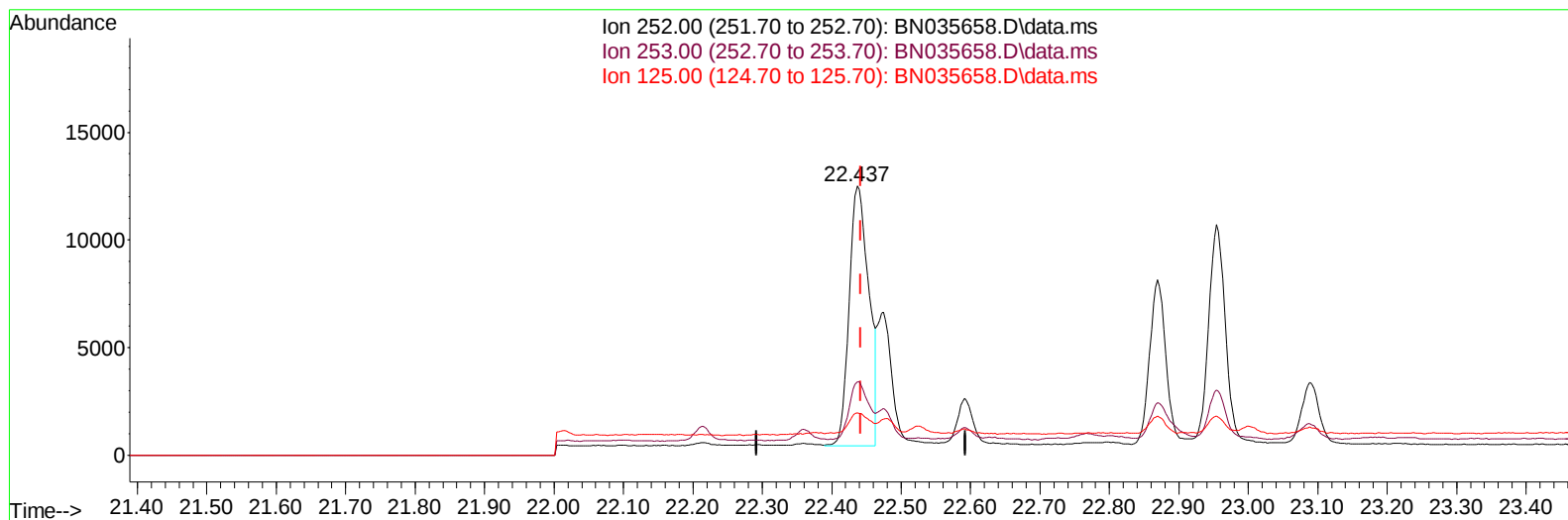
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 0.72 ng/u1 m

response 23835

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	27.14
125.00	18.80	15.64
0.00	0.00	0.00

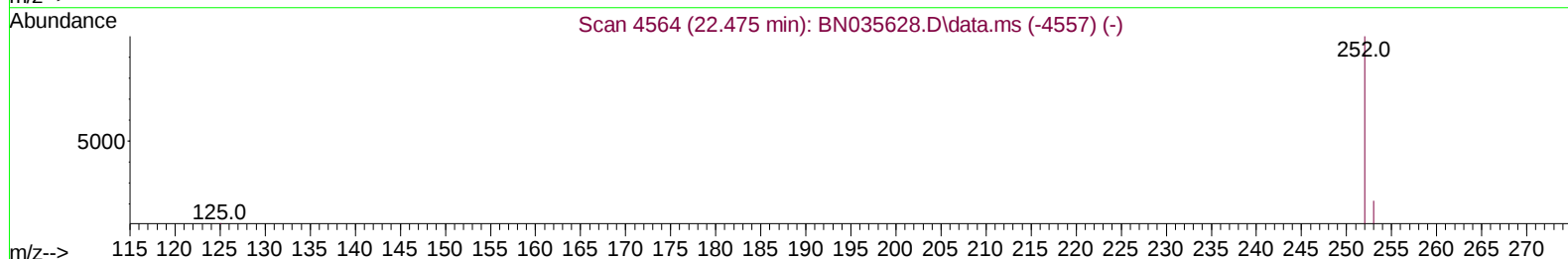
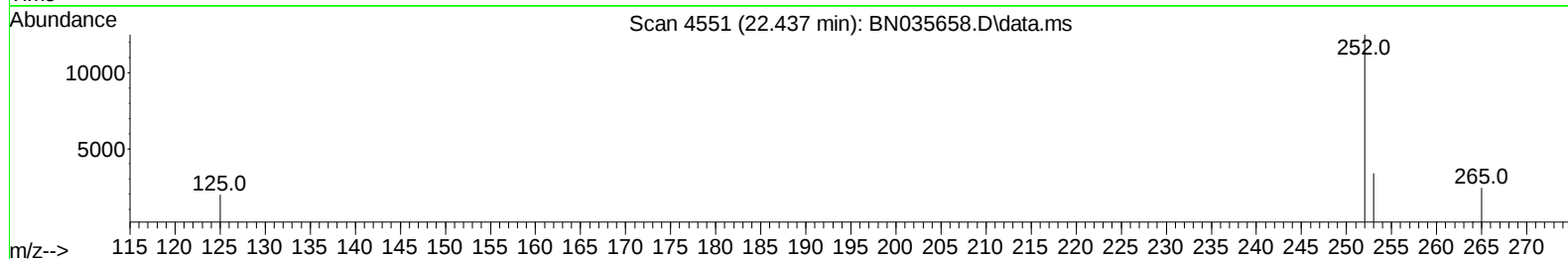
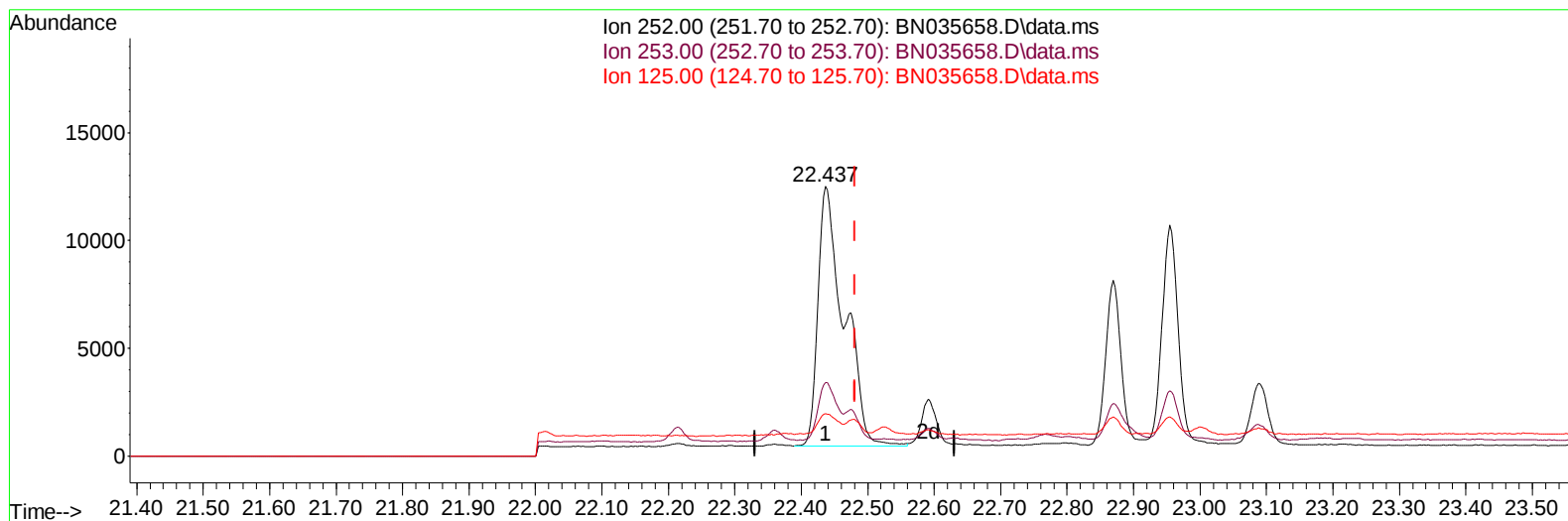
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 00:50:09 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: BN035658.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 0.90 ng/u1

response 32832

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	27.14
125.00	19.10	15.64
0.00	0.00	0.00

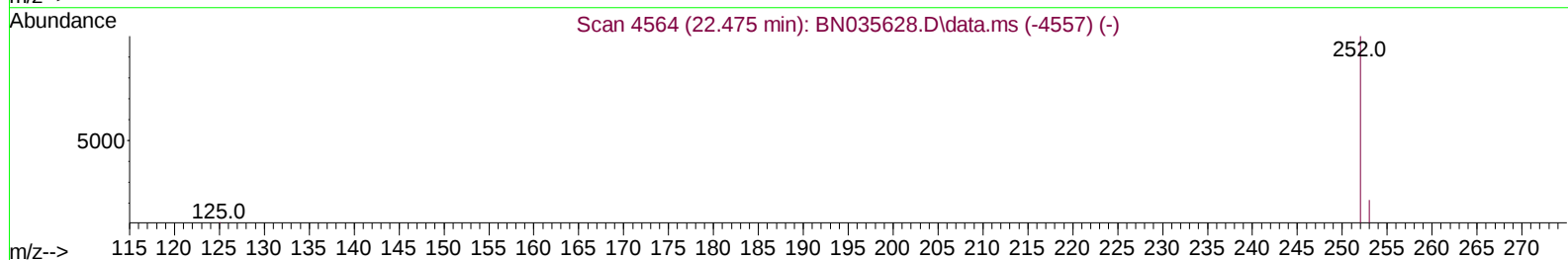
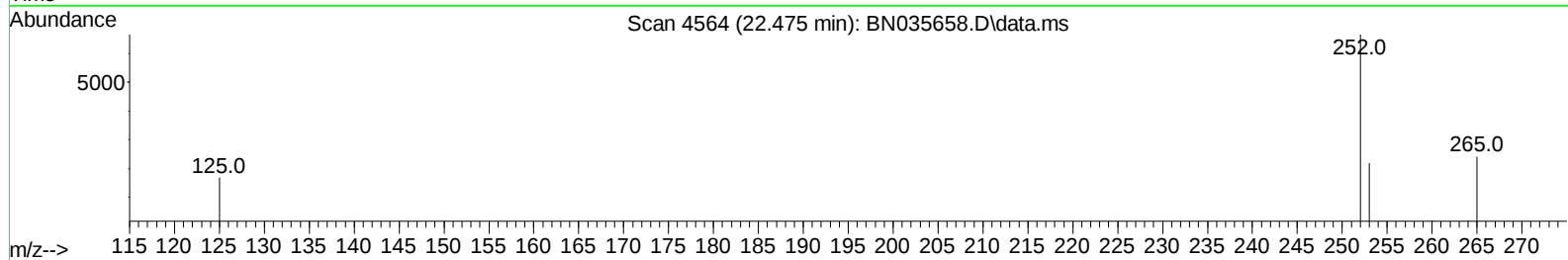
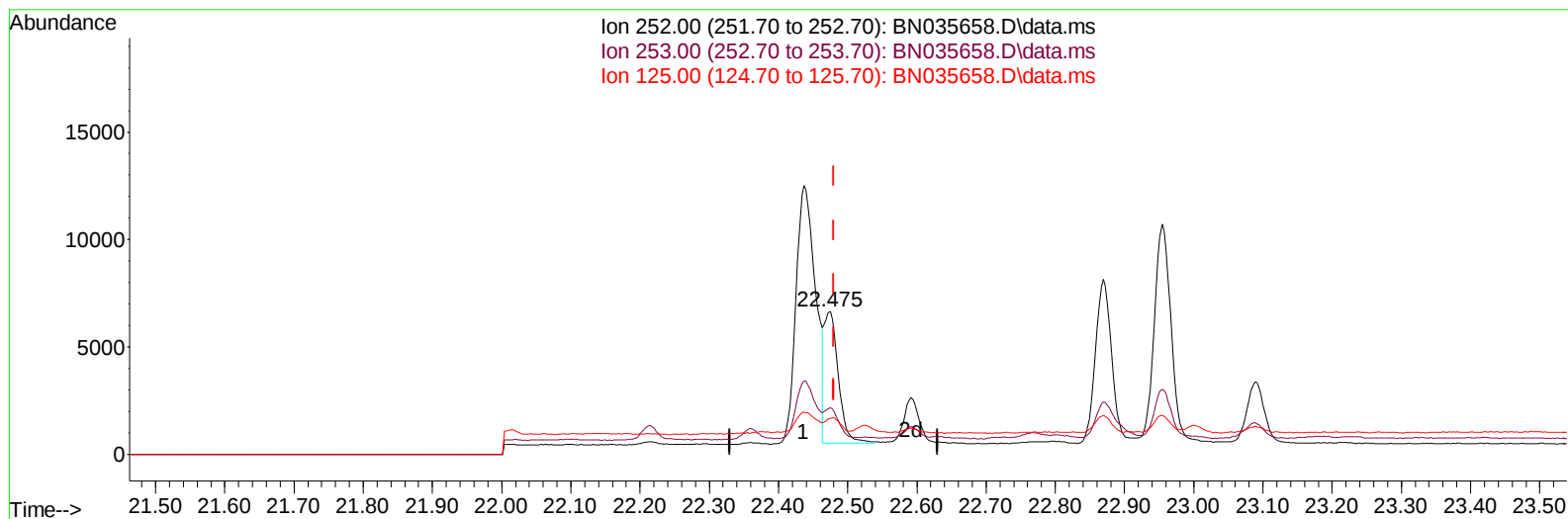
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(25) Benzo(k)fluoranthene

22.475min (-0.006) 0.24 ng/u1 m

response 8748

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	32.83
125.00	19.10	25.19#
0.00	0.00	0.00

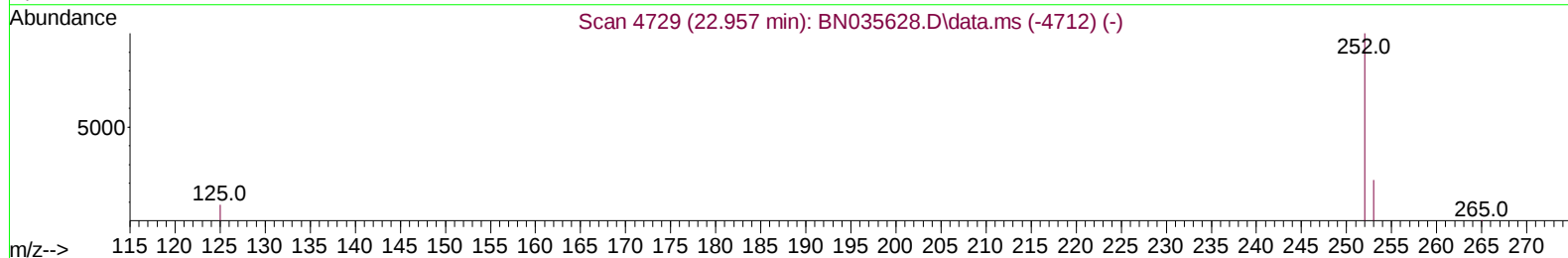
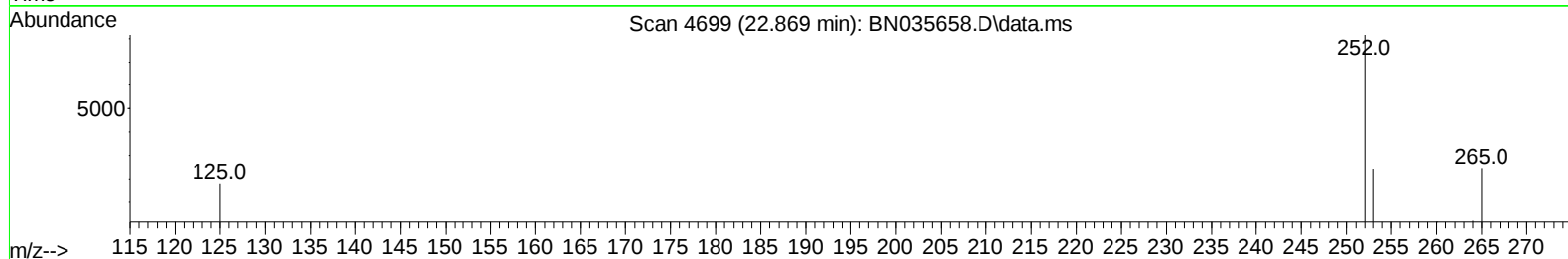
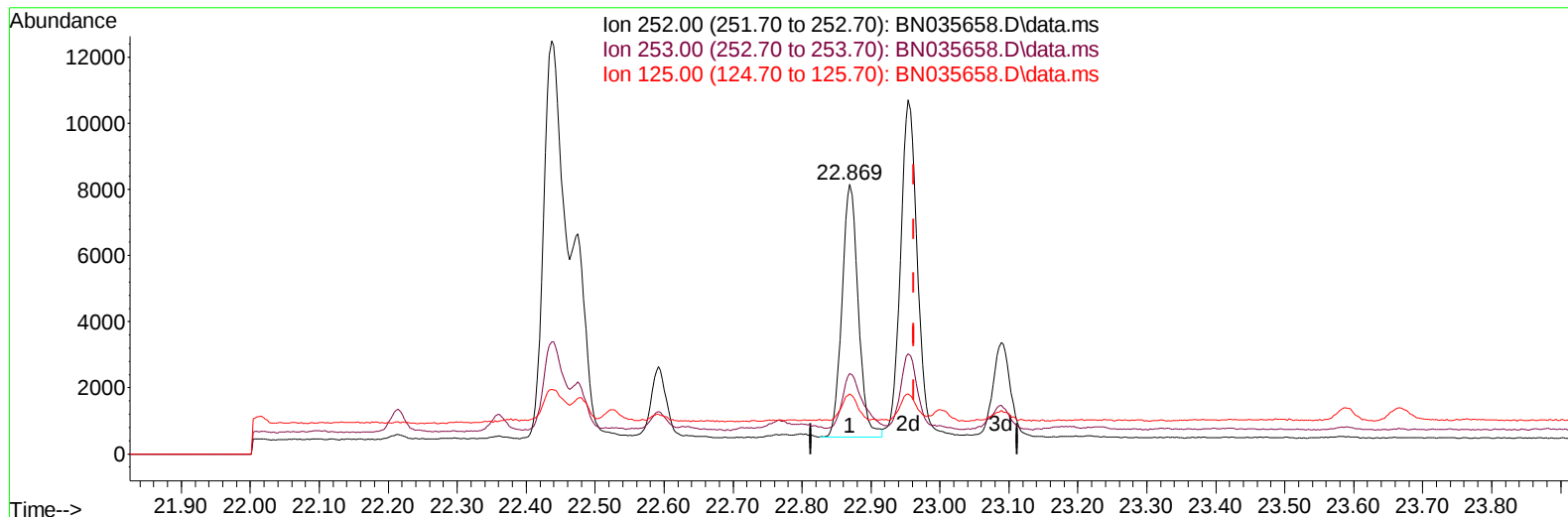
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(26) Benzo(a)pyrene (C)

22.869min (-0.094) 0.39 ng/u1

response 12535

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	29.89
125.00	23.90	22.28
0.00	0.00	0.00

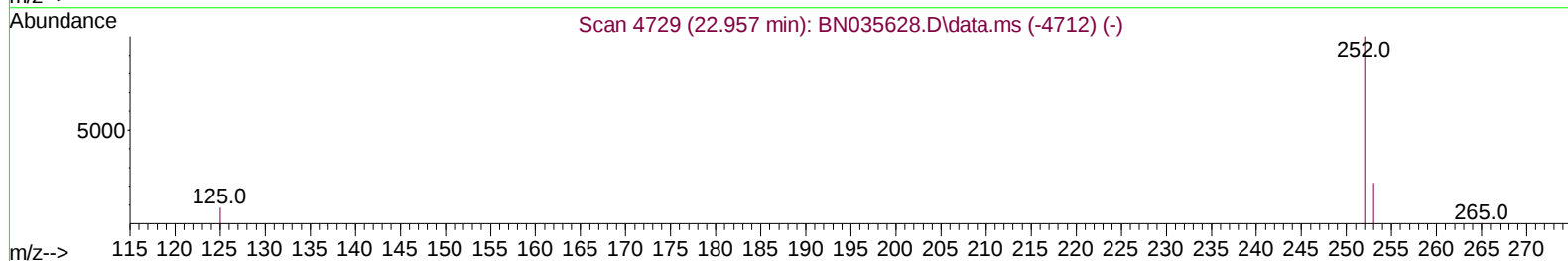
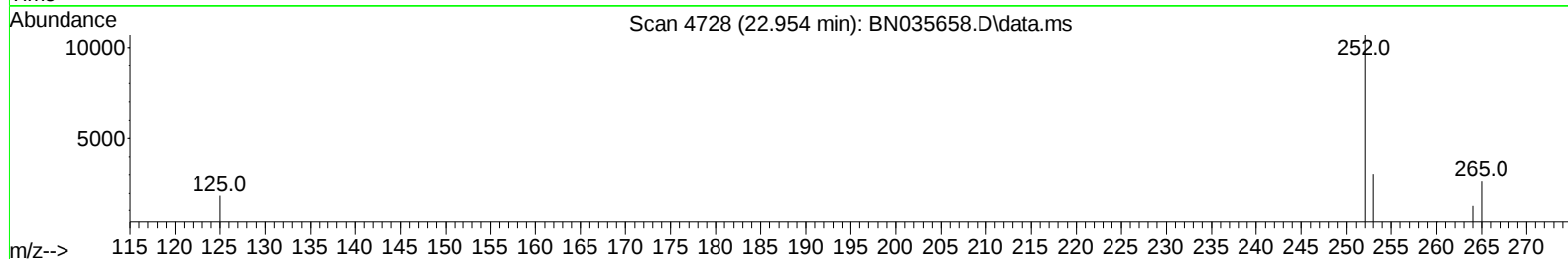
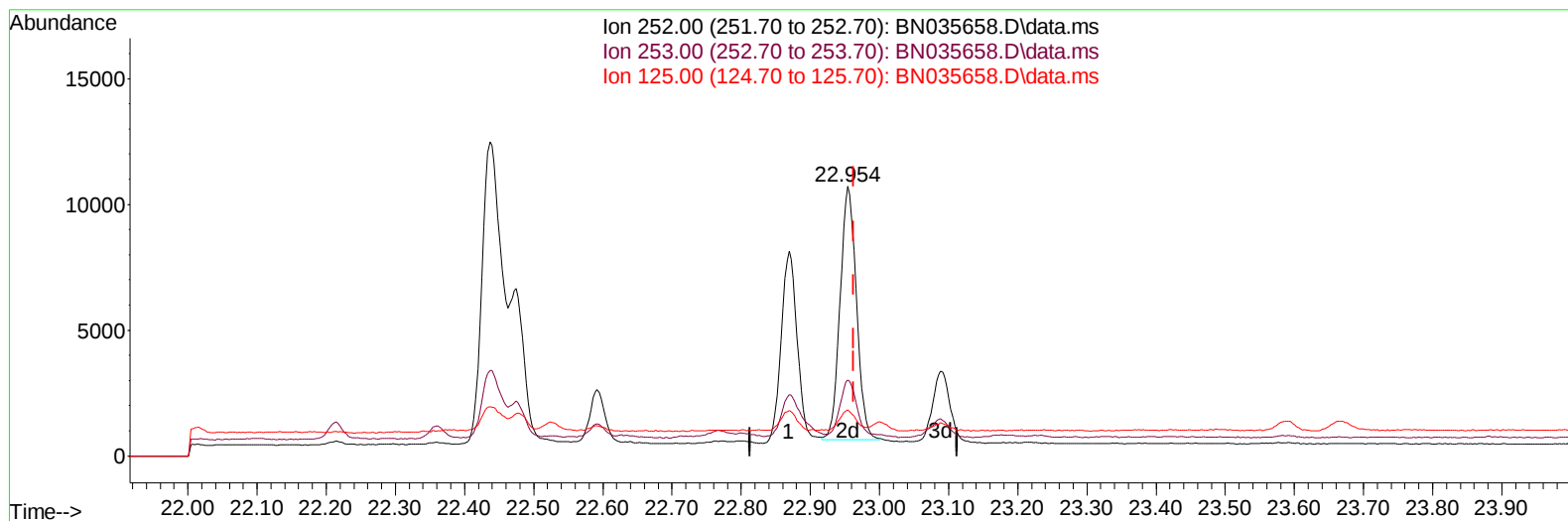
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(26) Benzo(a)pyrene (C)

22.954min (-0.009) 0.51 ng/u1 m

response 16529

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	28.28
125.00	23.90	17.04#
0.00	0.00	0.00

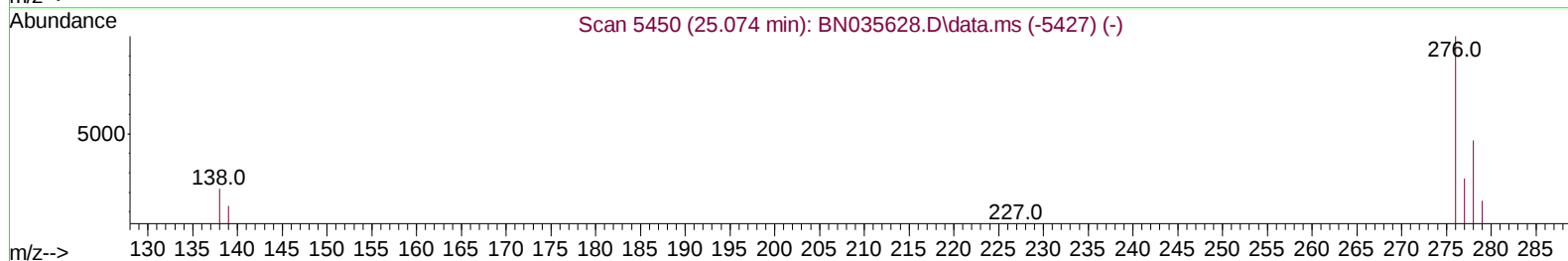
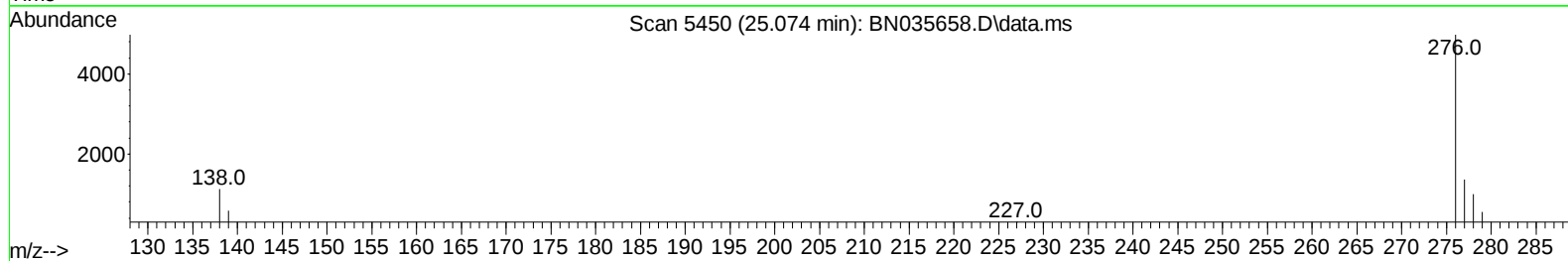
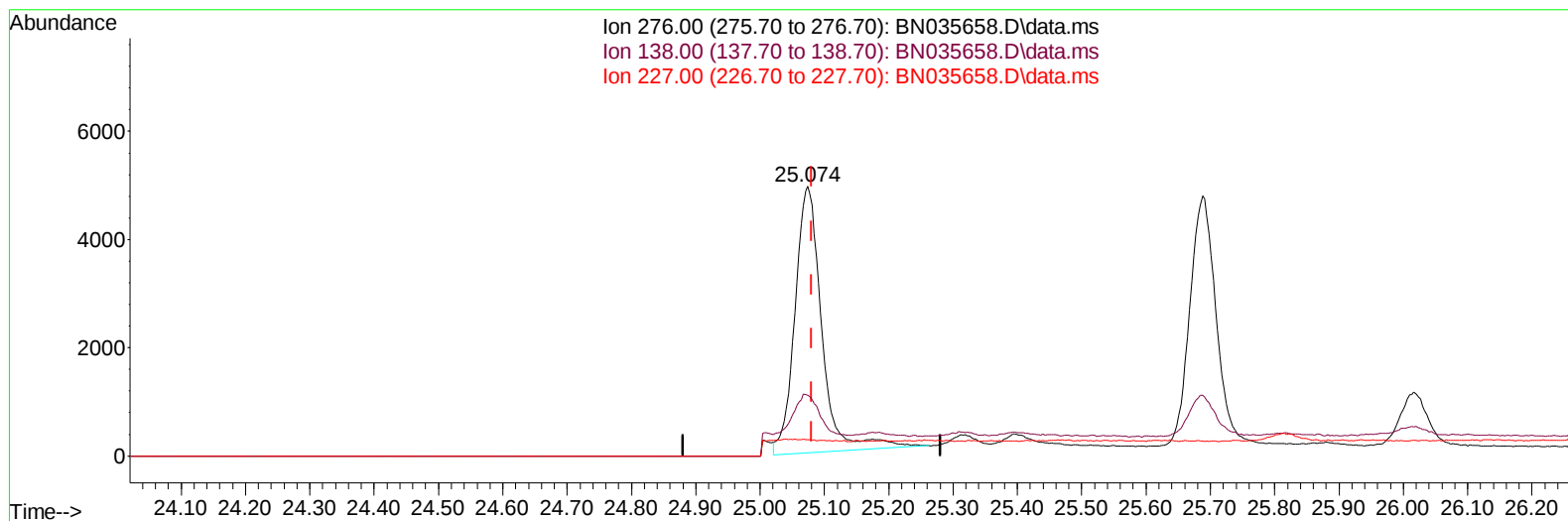
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

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

25.074min (-0.007) 0.37 ng/u1

response 14333

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	15.85
227.00	27.00	0.00#
0.00	0.00	0.00

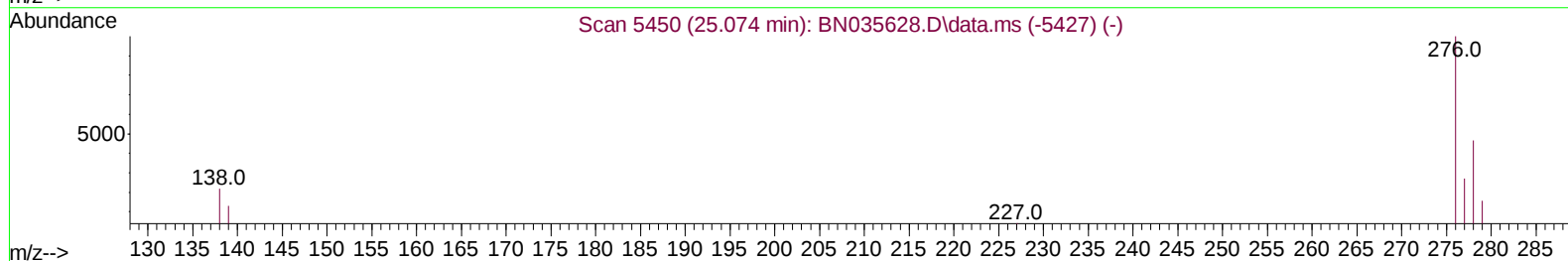
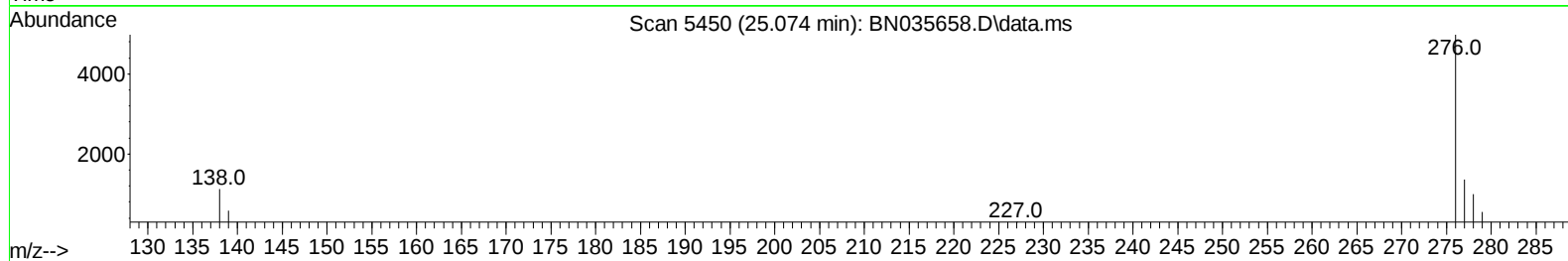
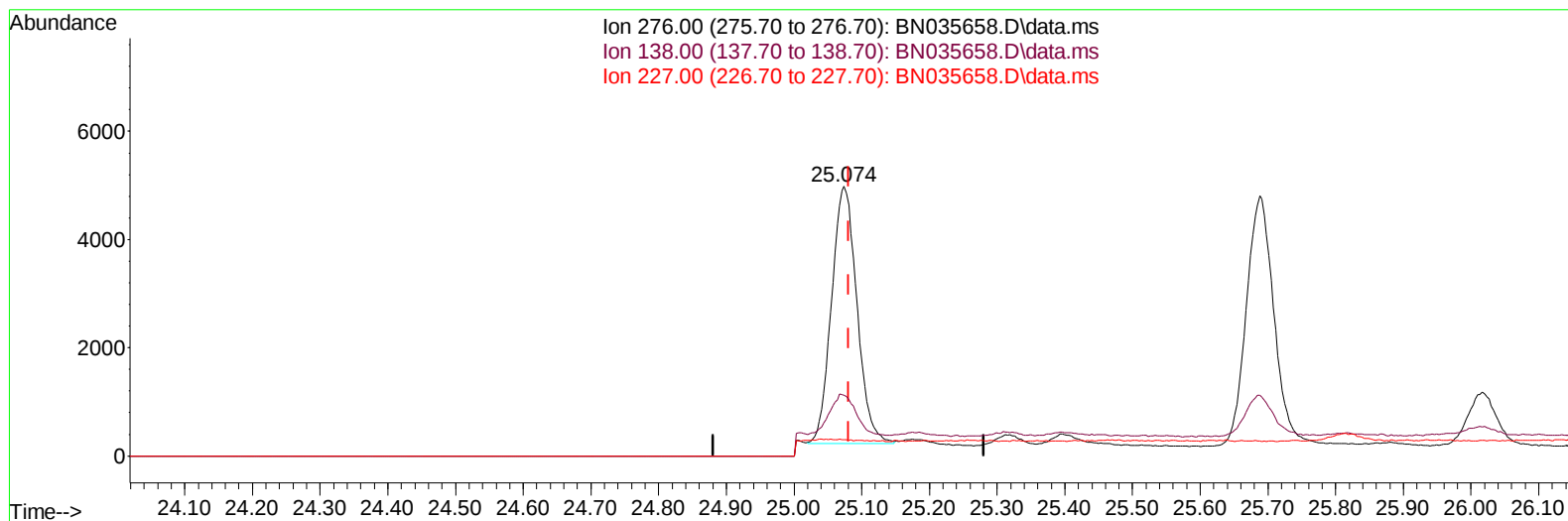
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

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

25.074min (-0.007) 0.32 ng/u1 m

response 12351

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

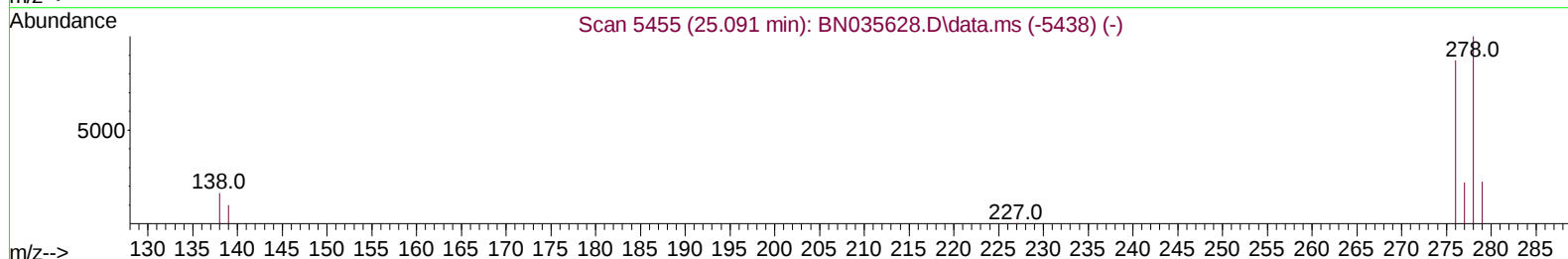
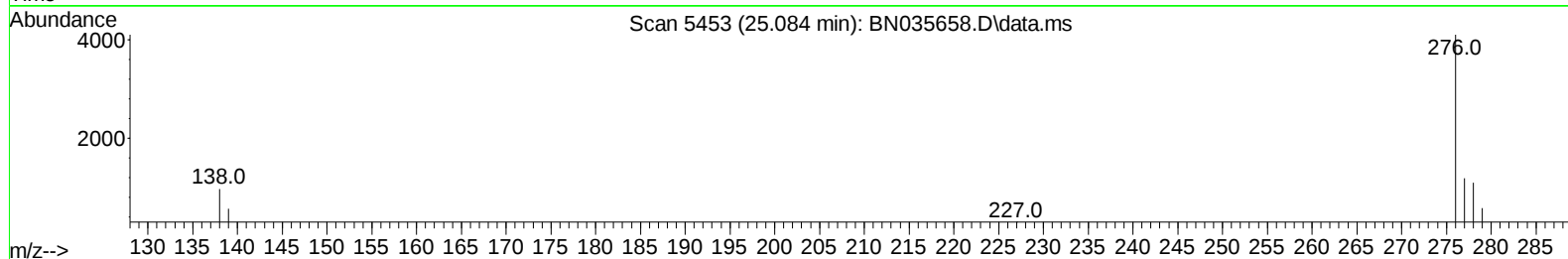
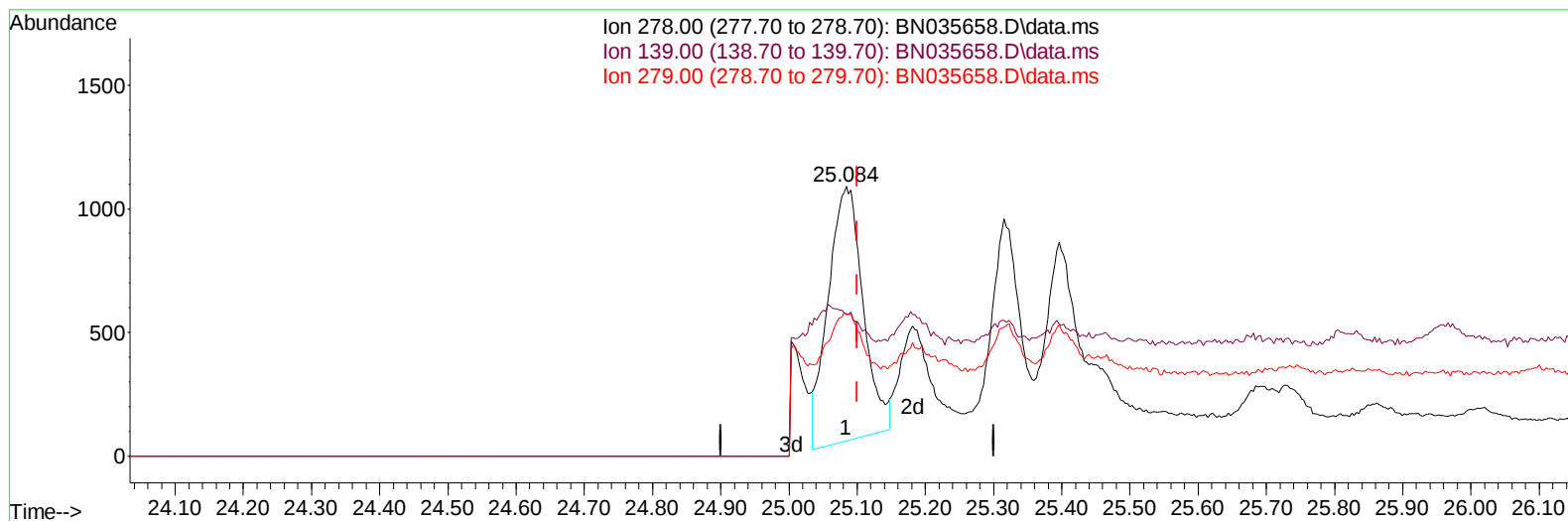
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.12 ng/u1

response 3679

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	52.48#
279.00	30.00	52.75#
0.00	0.00	0.00

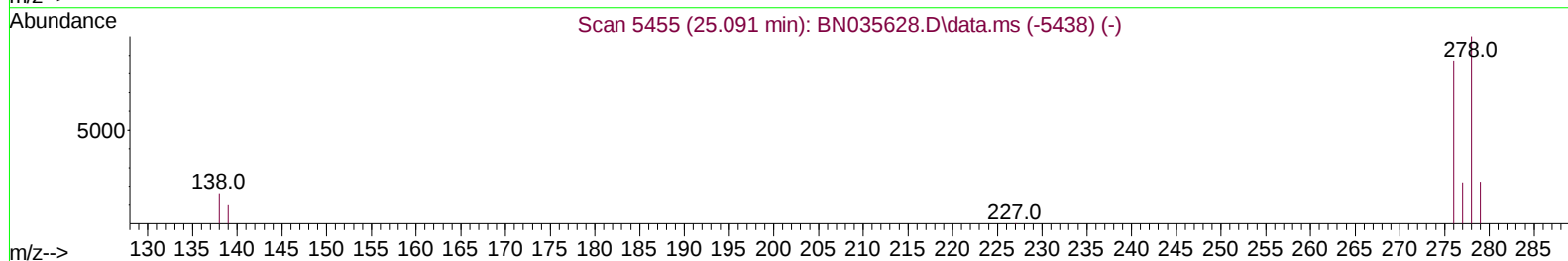
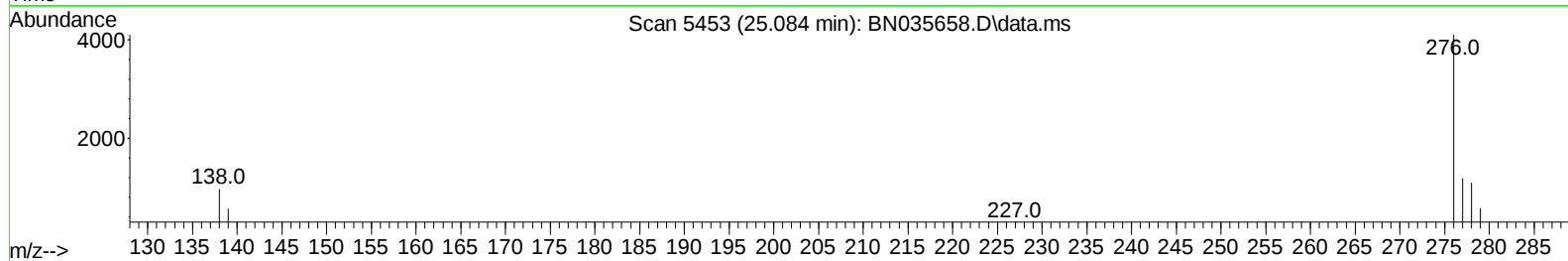
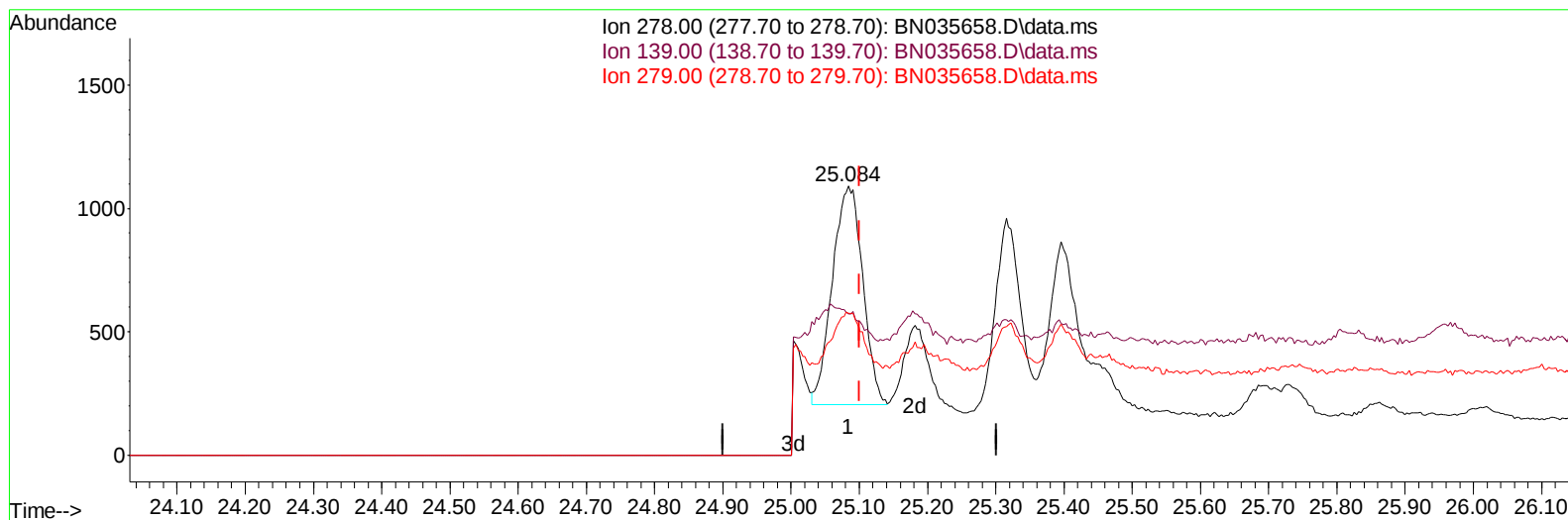
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035658.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.09 ng/u1 m

response 2742

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	52.48#
279.00	30.00	52.75#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
 Data File : BN035658.D
 Acq On : 17 Dec 2024 17:11
 Operator : RC/JU
 Sample : P5232-10DL 5X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28S4DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/19/2024
 Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 18 00:50:09 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	7.280	152	3007	0.400	ng/ul	0.00
4) Naphthalene-d8	10.025	136	8714	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5955	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	12477	0.400	ng/ul	0.00
17) Chrysene-d12	20.961	240	10377	0.400	ng/ul	0.00
23) Perylene-d12	23.048	264	11253m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	1424	0.534	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	528	0.043	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	1230m	0.041	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.075	128	865m	0.040	ng/ul	
7) 2-Methylnaphthalene	11.708	142	683	0.047	ng/ul	97
8) 1-Methylnaphthalene	11.934	142	562	0.038	ng/ul	100
10) Acenaphthylene	13.657	152	597	0.026	ng/ul#	64
11) Acenaphthene	14.009	153	1025	0.059	ng/ul	96
12) Fluorene	15.013	166	869	0.043	ng/ul#	92
15) Phenanthrene	16.755	178	20511	0.657	ng/ul	98
16) Anthracene	16.844	178	4299	0.147	ng/ul	95
19) Fluoranthene	18.795	202	42595	1.148	ng/ul	100
20) Pyrene	19.162	202	38012	0.930	ng/ul	99
21) Benzo(a)anthracene	20.944	228	16864	0.490	ng/ul	98
22) Chrysene	20.993	228	17458	0.489	ng/ul	98
24) Benzo(b)fluoranthene	22.437	252	23835m	0.719	ng/ul	
25) Benzo(k)fluoranthene	22.475	252	8748m	0.238	ng/ul	
26) Benzo(a)pyrene	22.954	252	16529m	0.515	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.074	276	12351m	0.316	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	2742m	0.092	ng/ul	
29) Benzo(g,h,i)perylene	25.688	276	13400	0.427	ng/ul	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035658.D
Acq On : 17 Dec 2024 17:11
Operator : RC/JU
Sample : P5232-10DL 5X
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28S4DL

Manual IntegrationsAPPROVED

Quant Time: Dec 18 00:50:09 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 12/19/2024
Supervised By :mohammad ahmed 12/21/2024

