

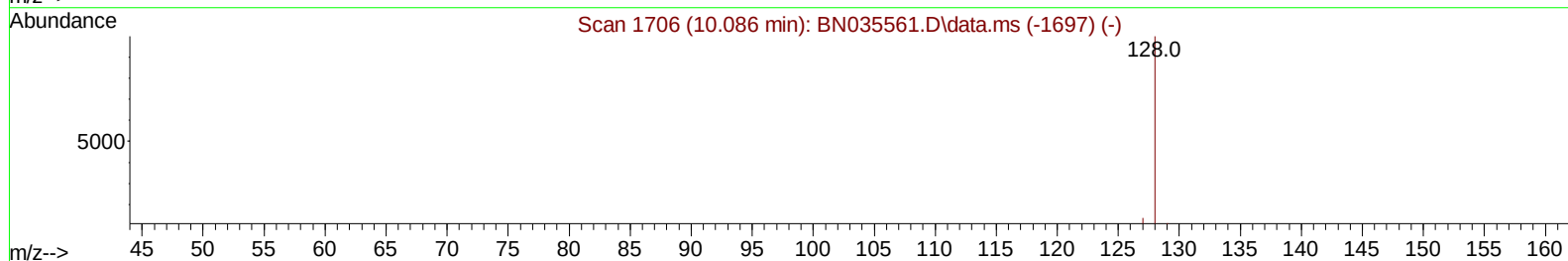
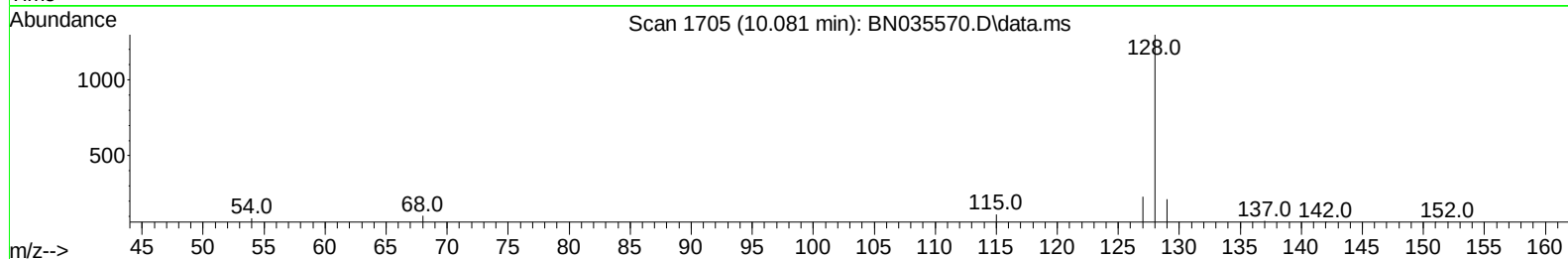
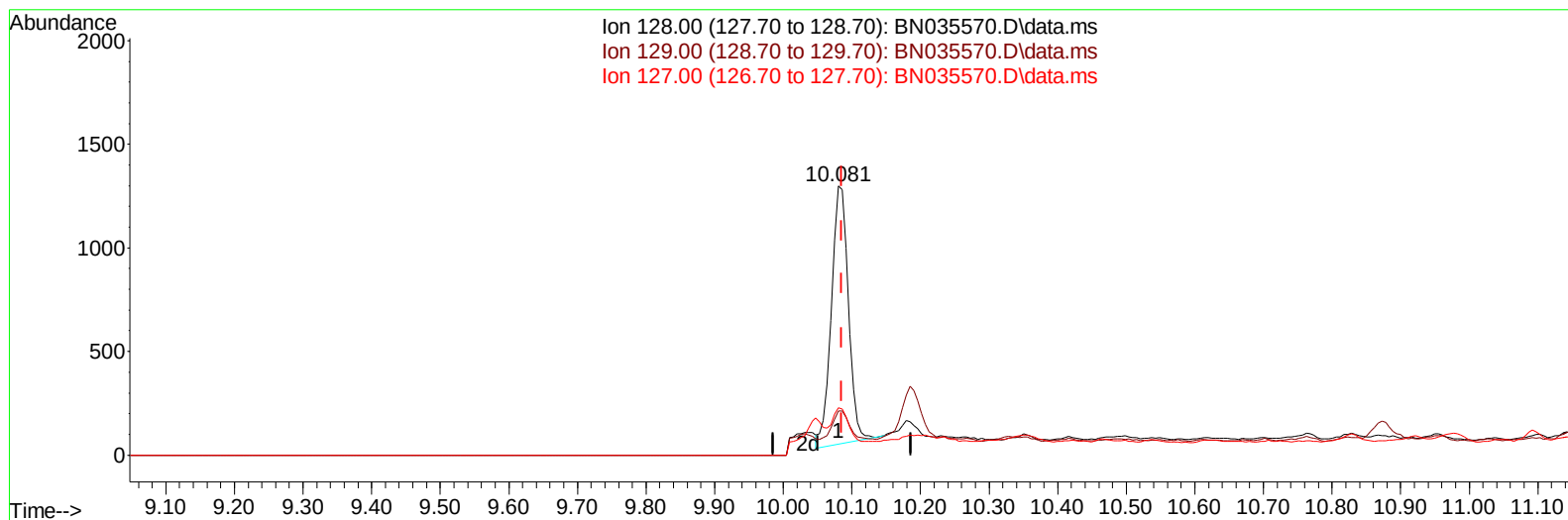
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

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



TIC: BN035570.D\data.ms

(5) Naphthalene

10.081min (-0.005) 0.10 ng/u1

response 2136

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	12.40	16.41#
127.00	14.30	17.64#
0.00	0.00	0.00

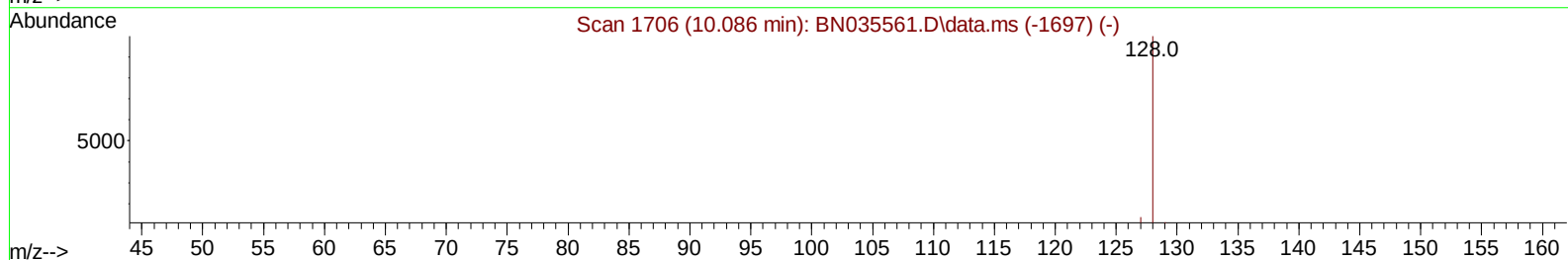
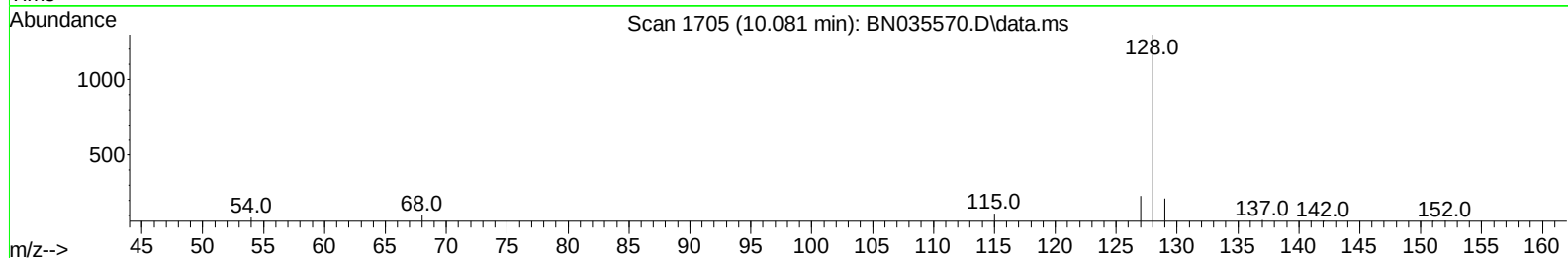
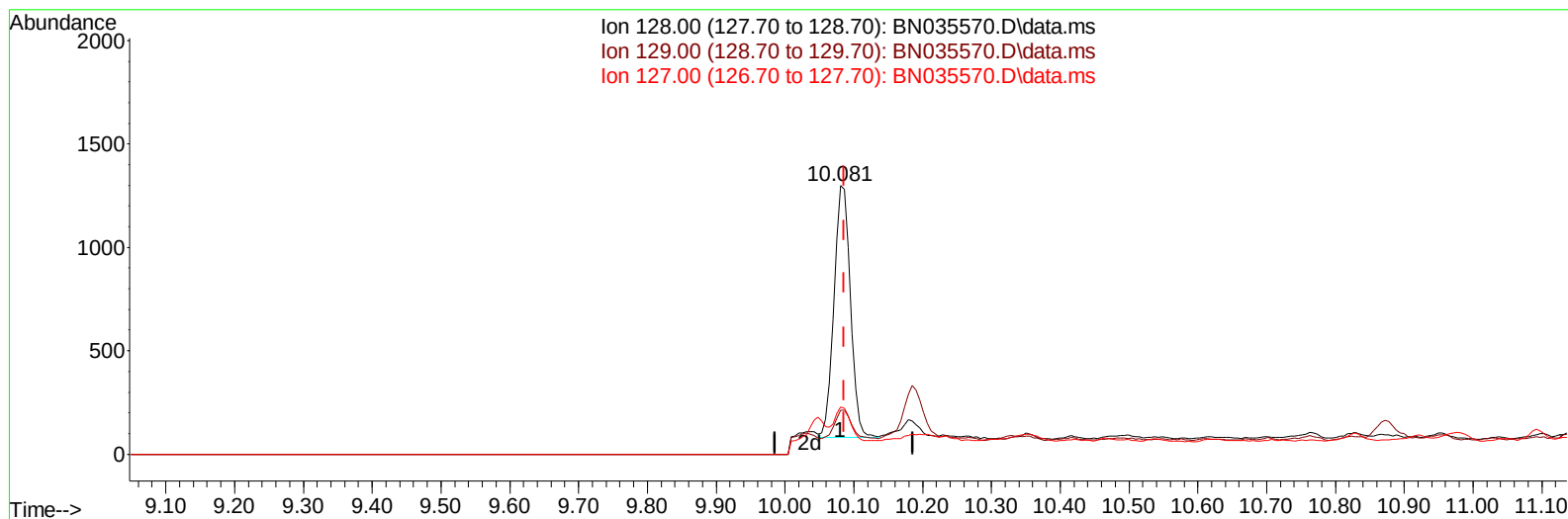
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035570.D\data.ms

(5) Naphthalene

10.081min (-0.005) 0.09 ng/ul m

response 2009

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	12.40	16.41#
127.00	14.30	17.64#
0.00	0.00	0.00

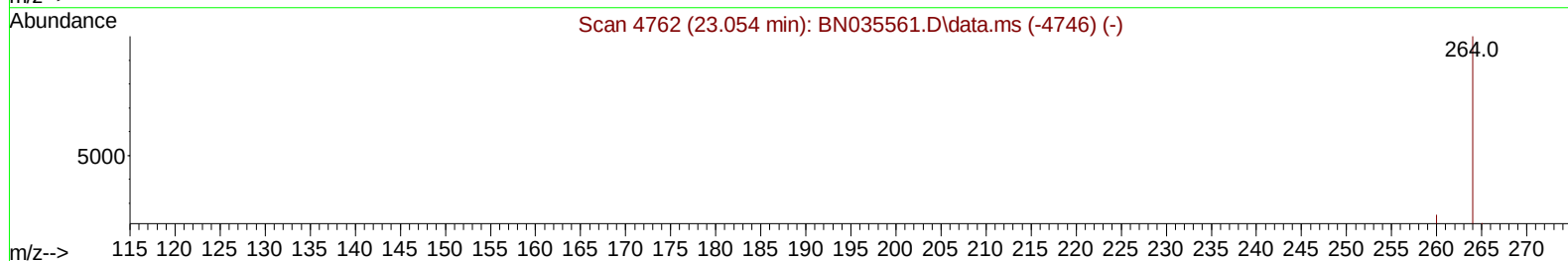
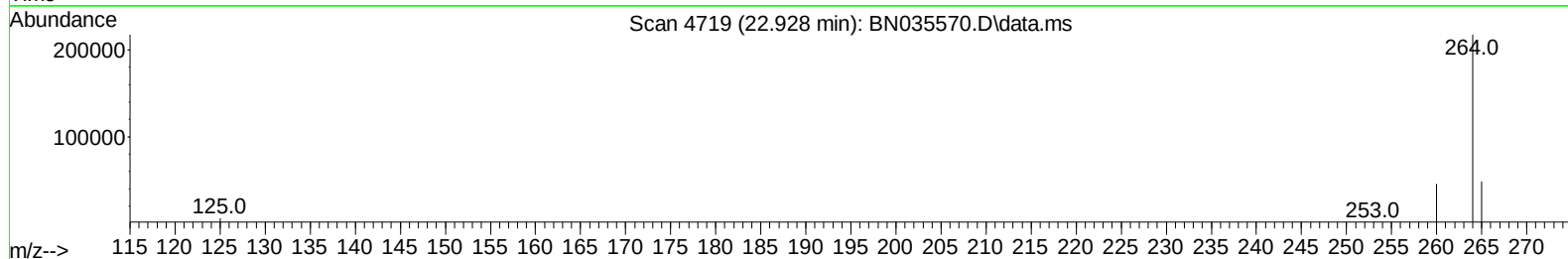
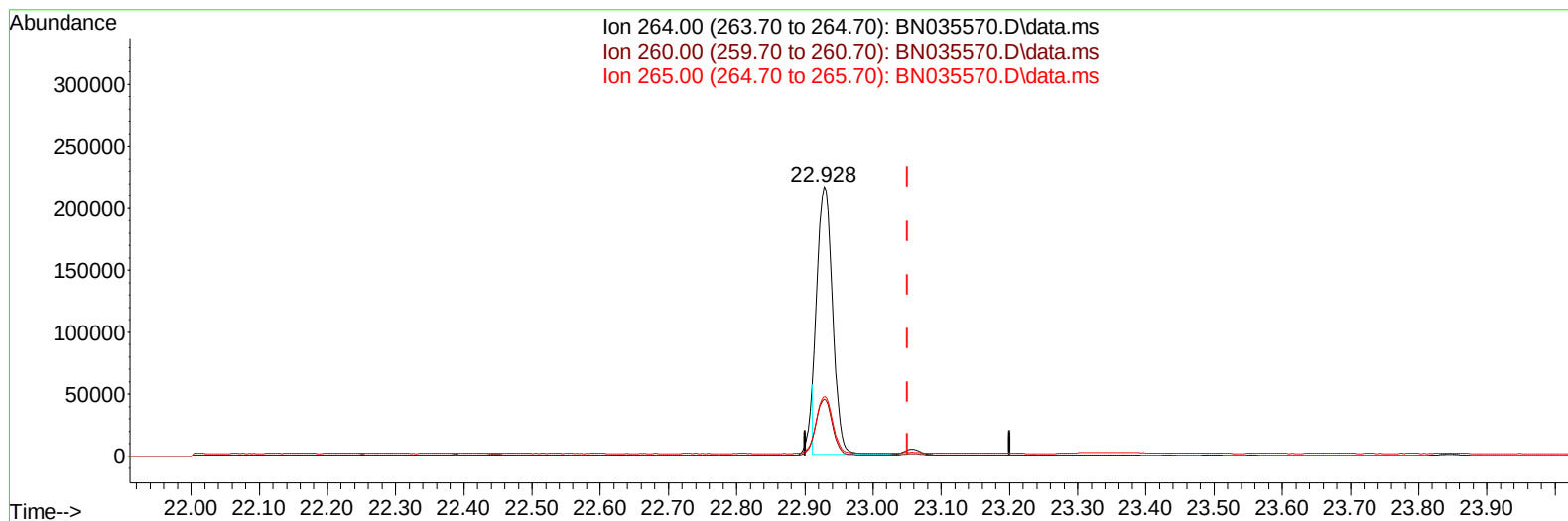
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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TIC: BN035570.D\data.ms

(23) Perylene-d12 (I)

22.928min (-0.123) 0.40 ng/u1

response 342996

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.15
265.00	75.50	22.18#
0.00	0.00	0.00

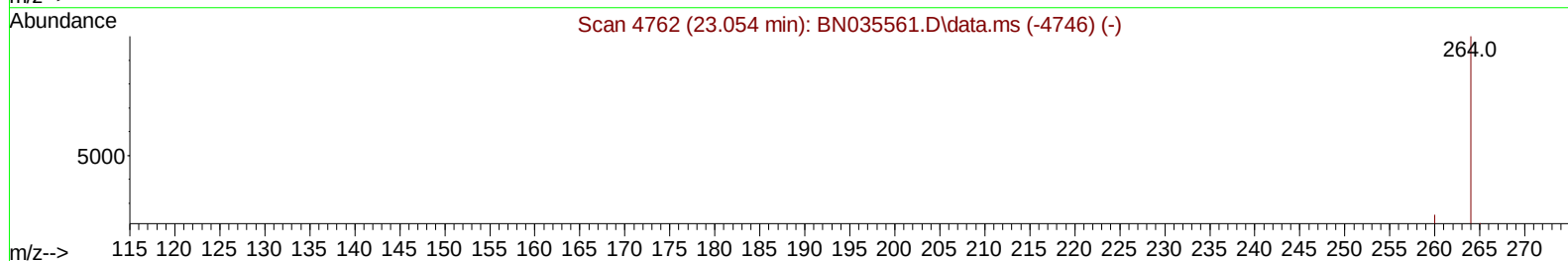
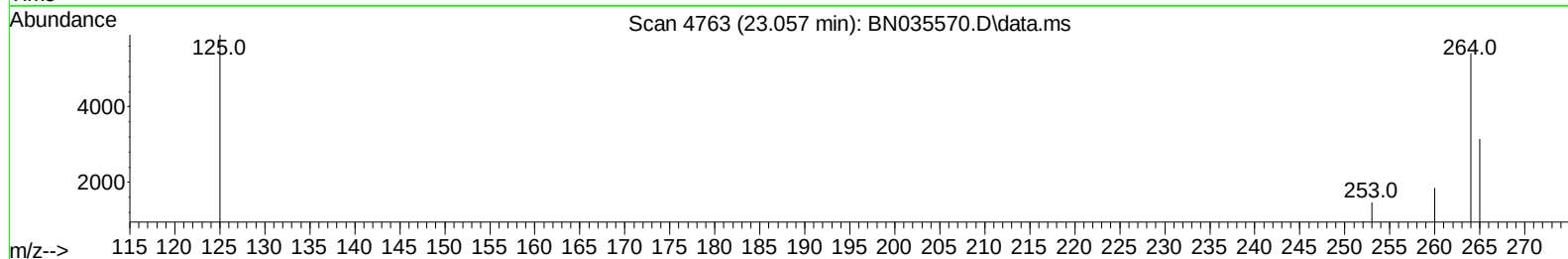
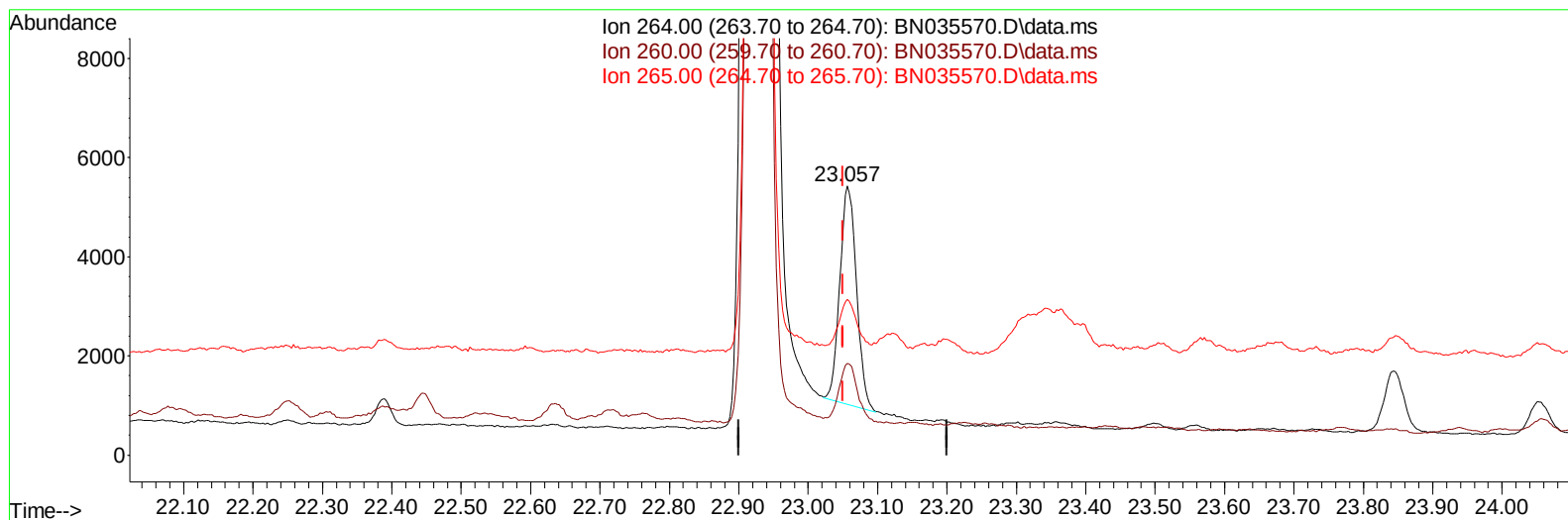
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 12/12/2024



TIC: BN035570.D\data.ms

(23) Perylene-d12 (I)

23.057min (+ 0.006) 0.40 ng/ul m

response 7351

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	34.18#
265.00	75.50	57.92#
0.00	0.00	0.00

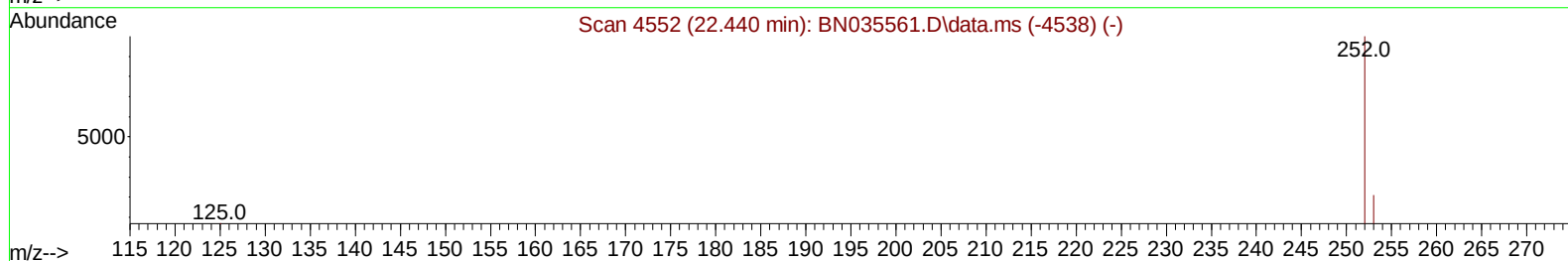
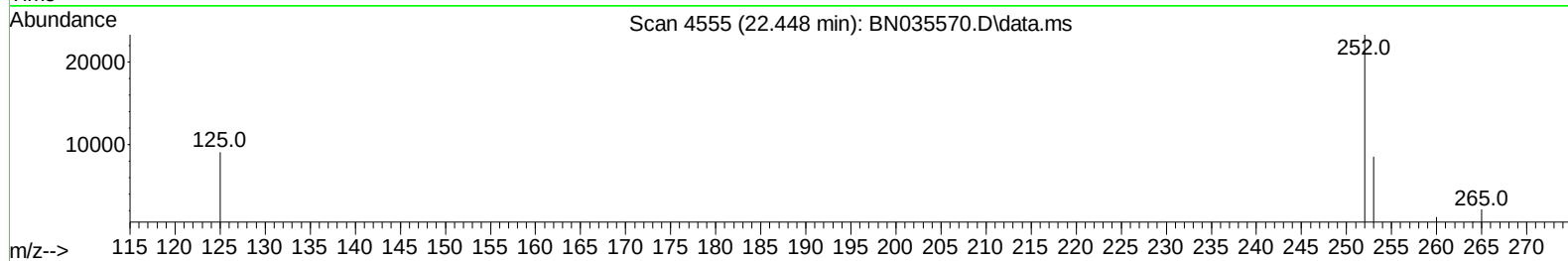
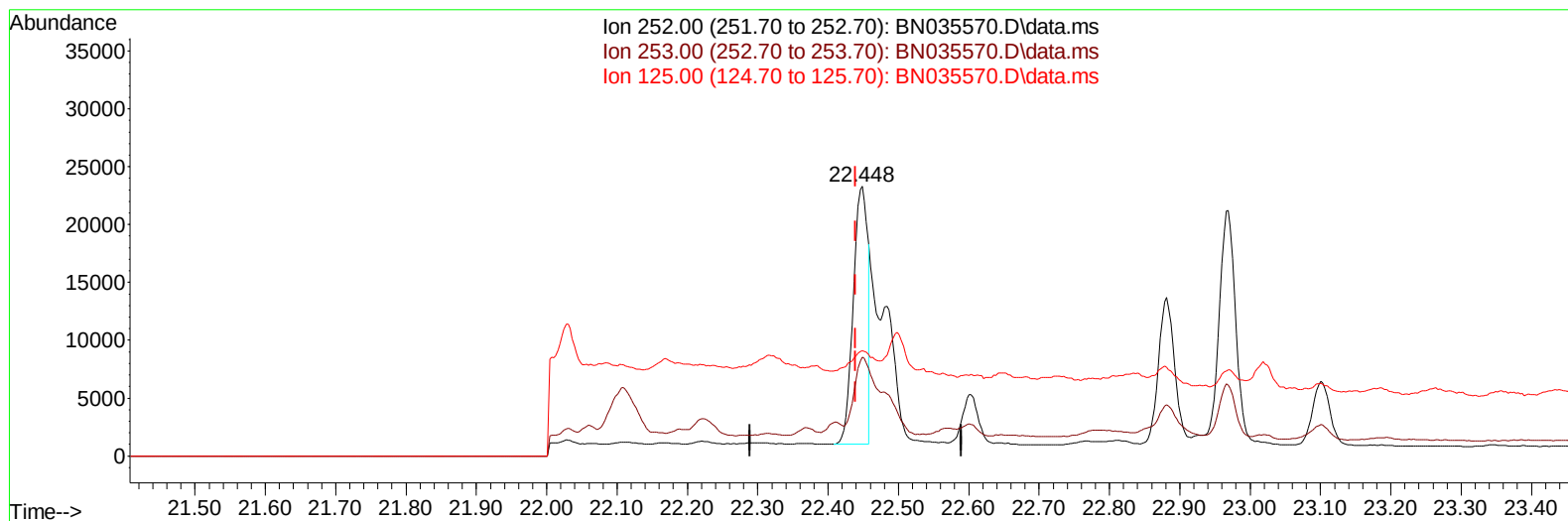
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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TIC: BN035570.D\data.ms

(24) Benzo(b)fluoranthene

22.448min (+ 0.009) 1.30 ng/u1

response 31562

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	36.60
125.00	9.70	39.11#
0.00	0.00	0.00

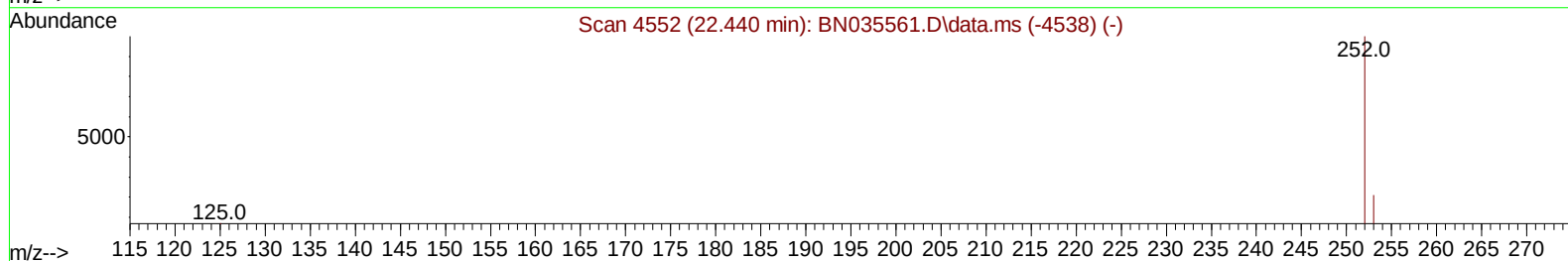
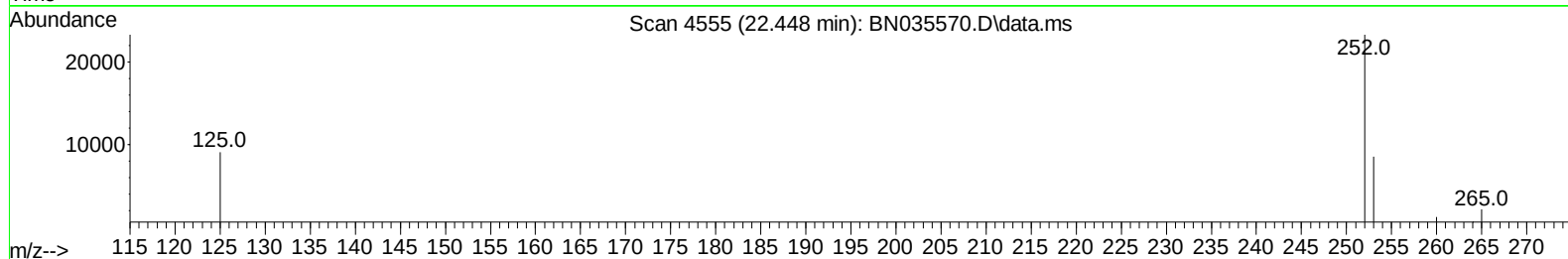
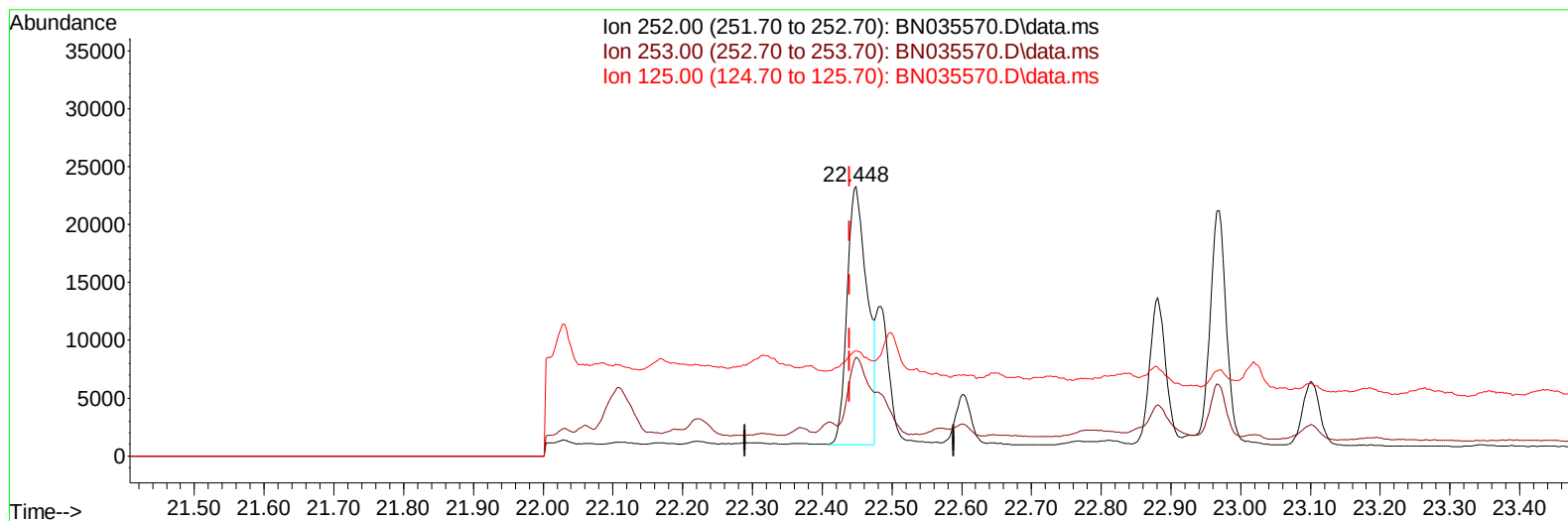
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Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

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



TIC: BN035570.D\data.ms

(24) Benzo(b)fluoranthene

22.448min (+ 0.009) 1.84 ng/ul m

response 44777

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	36.60
125.00	9.70	39.11#
0.00	0.00	0.00

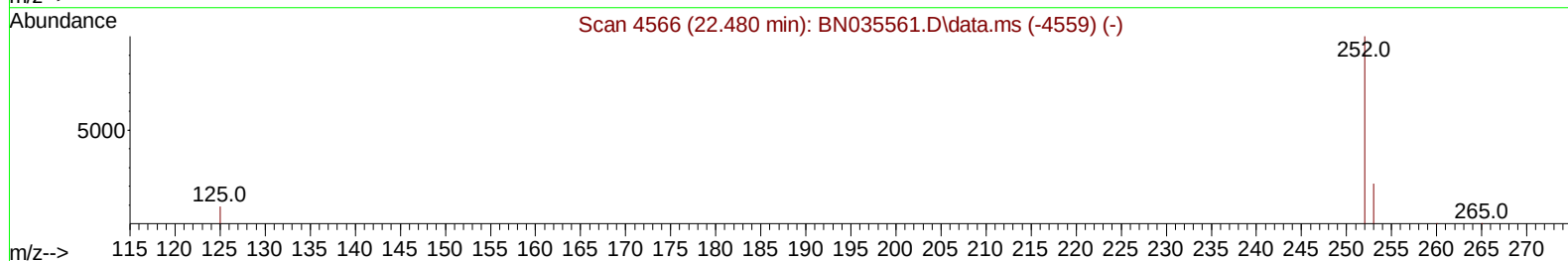
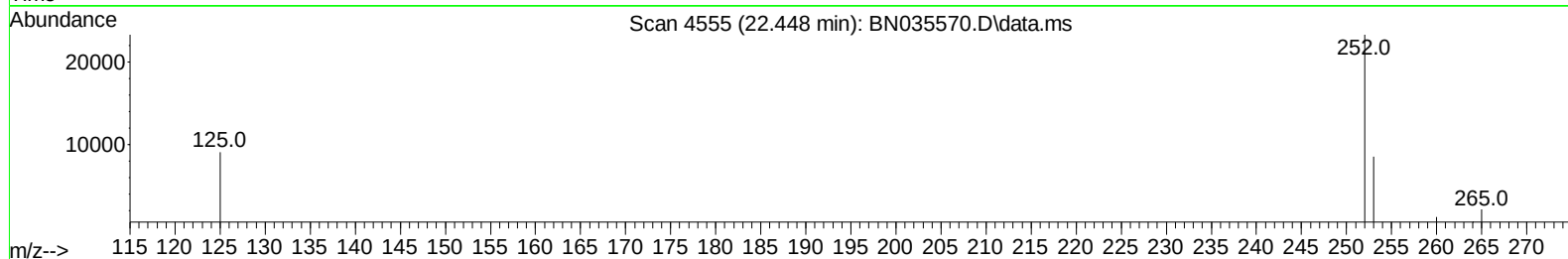
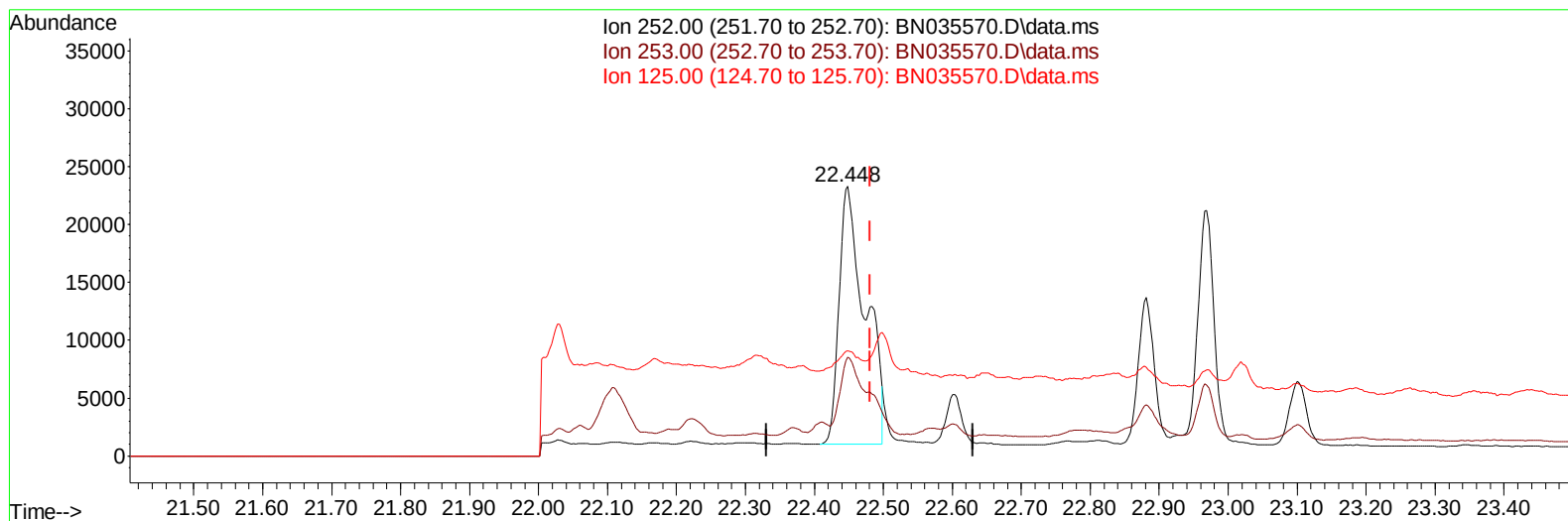
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035570.D\data.ms

(25) Benzo(k)fluoranthene

22.448min (-0.032) 2.33 ng/u1

response 58332

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	36.60#
125.00	10.70	39.11#
0.00	0.00	0.00

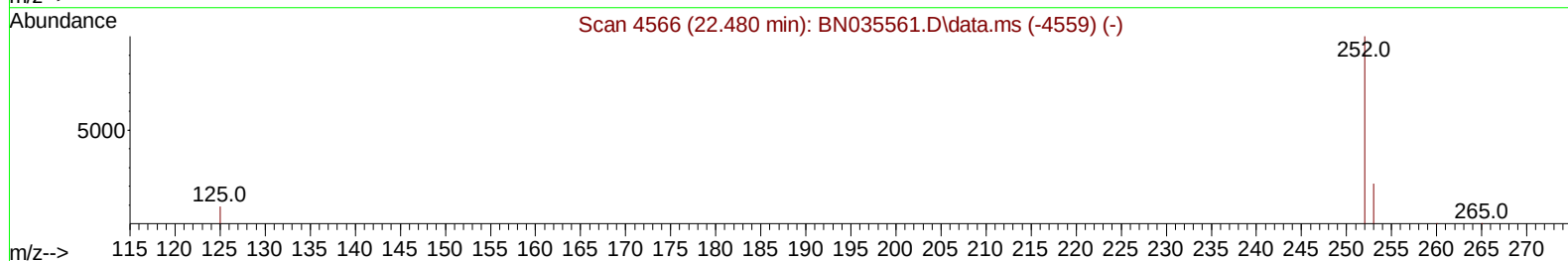
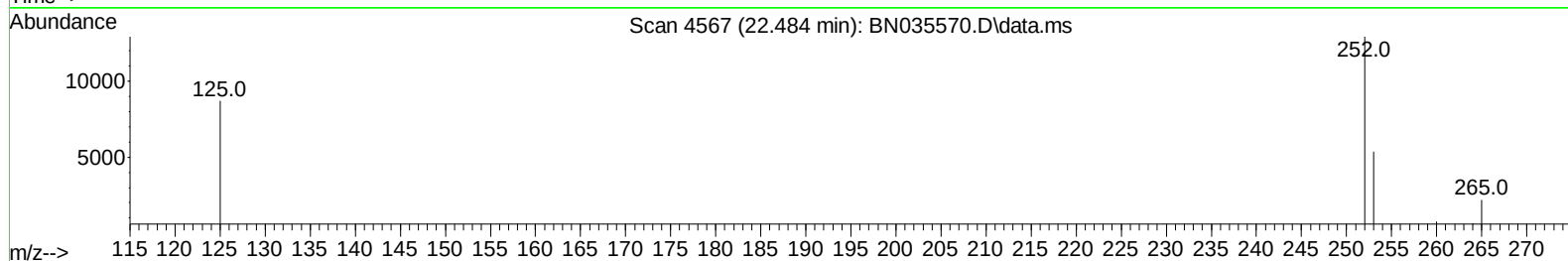
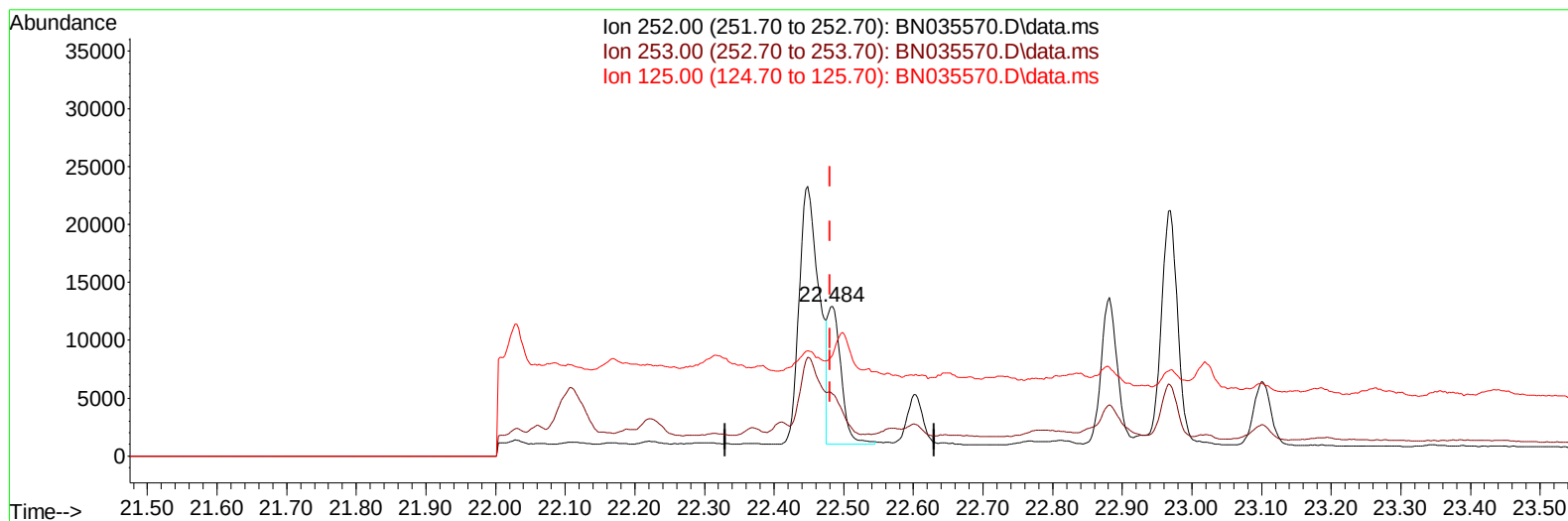
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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

Quant Time: Dec 11 22:09:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035570.D\data.ms

(25) Benzo(k)fluoranthene

22.484min (+ 0.003) 0.63 ng/ul m

response 15739

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	41.60#
125.00	10.70	67.36#
0.00	0.00	0.00

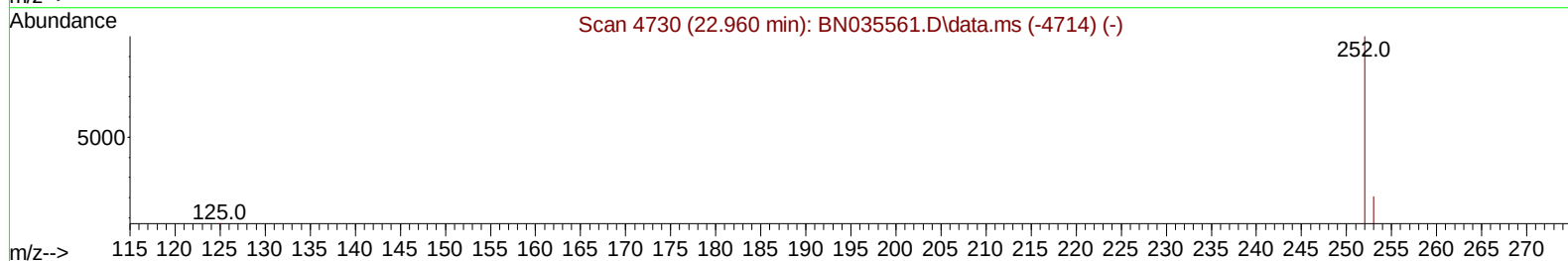
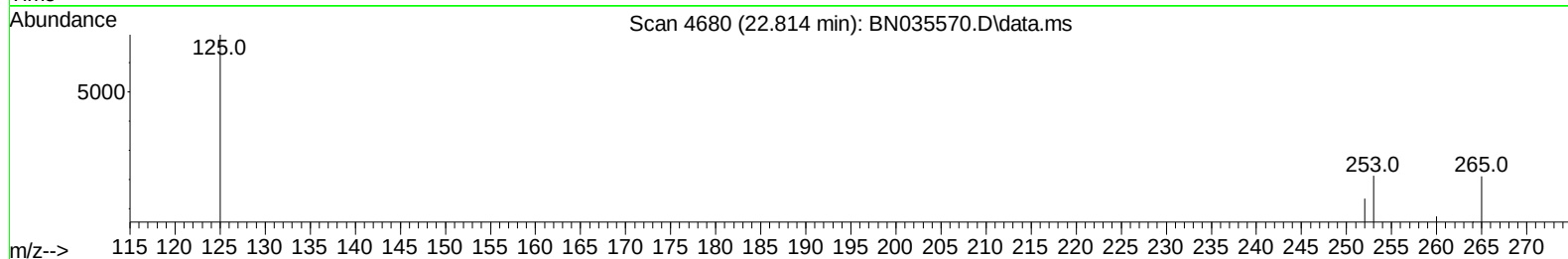
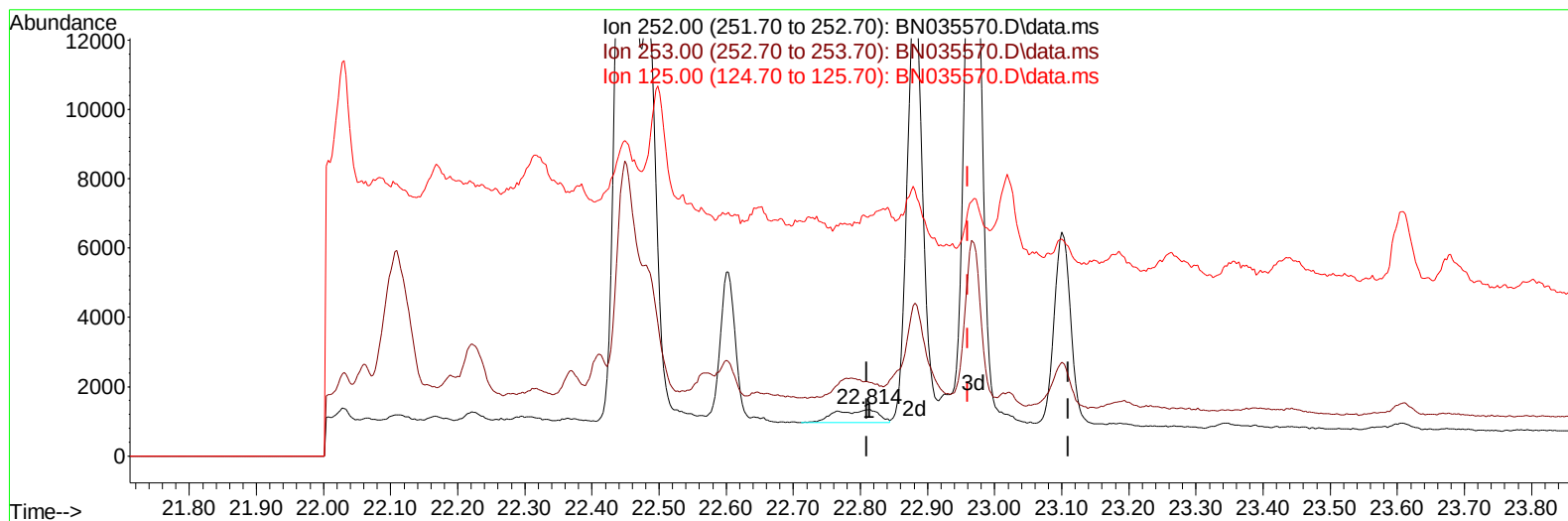
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
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TIC: BN035570.D\data.ms

(26) Benzo(a)pyrene (C)

22.814min (-0.146) 0.07 ng/uL

response 1613

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	156.90#
125.00	11.80	512.92#
0.00	0.00	0.00

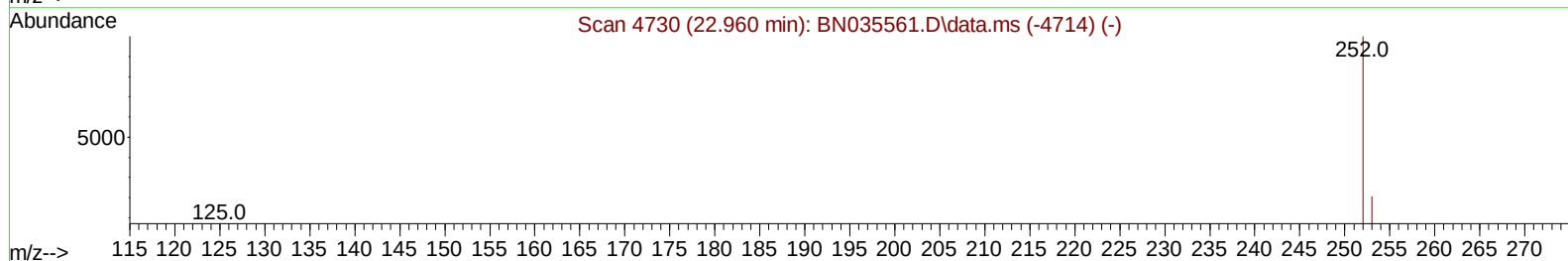
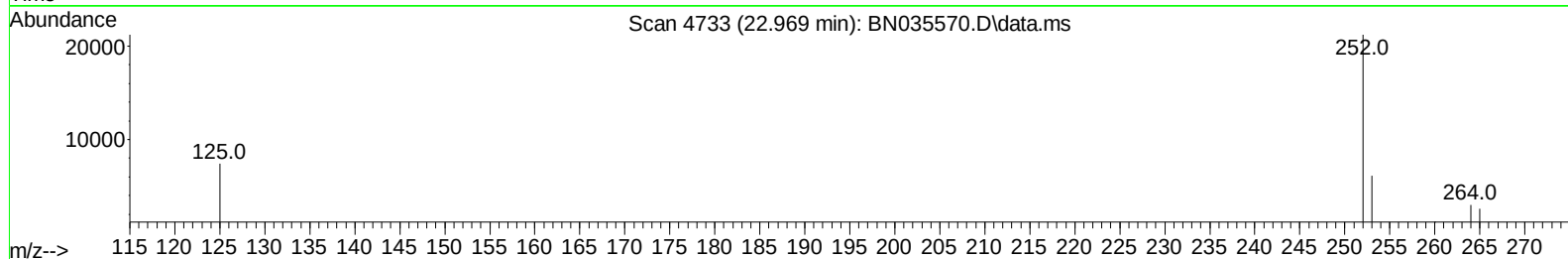
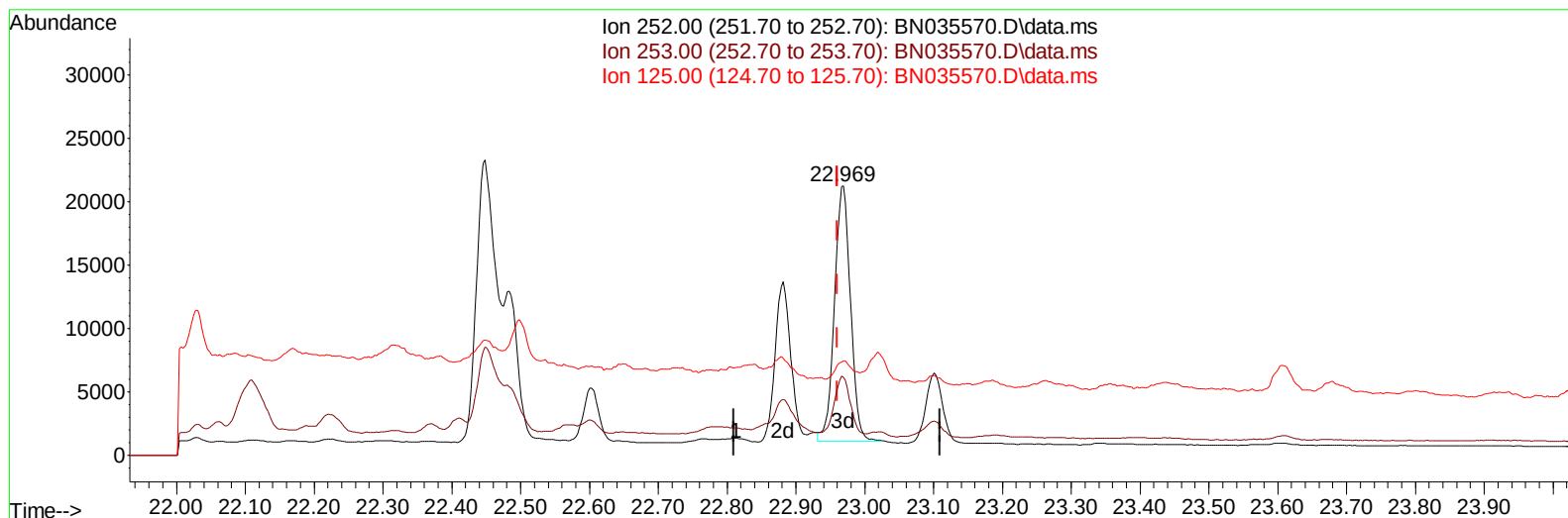
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
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QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration

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TIC: BN035570.D\data.ms

(26) Benzo(a)pyrene (C)

22.969min (+ 0.009) 1.48 ng/ul m

response 32914

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	28.88
125.00	11.80	35.05#
0.00	0.00	0.00

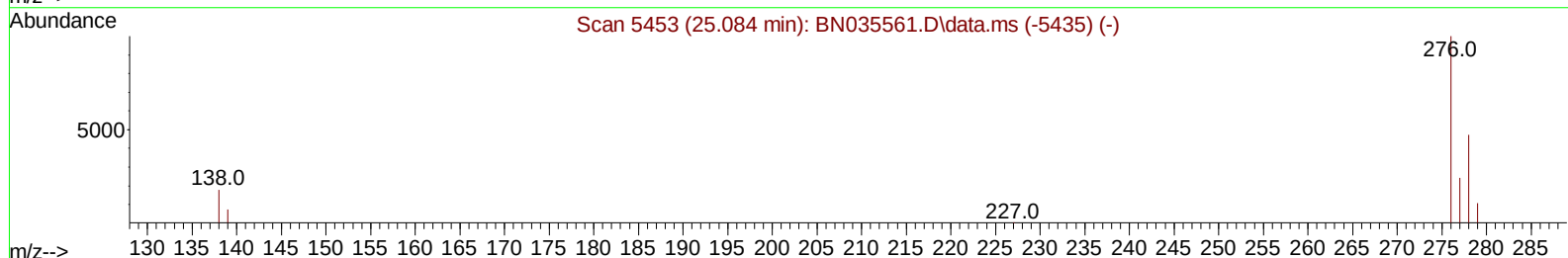
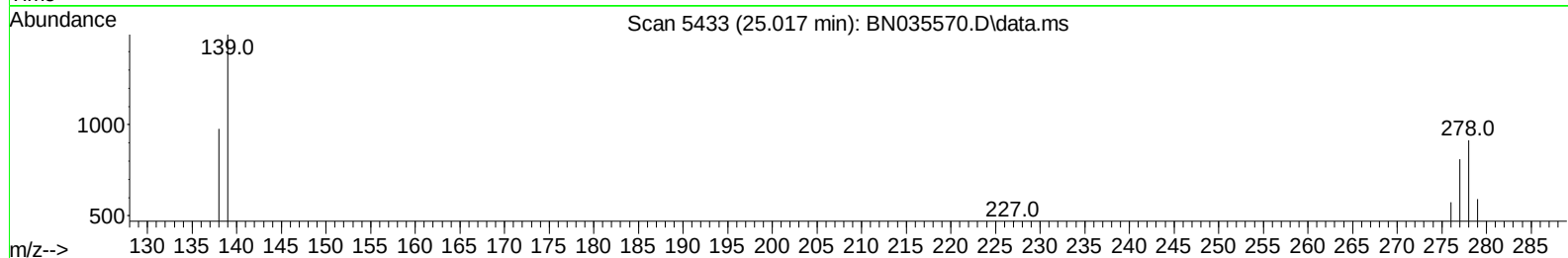
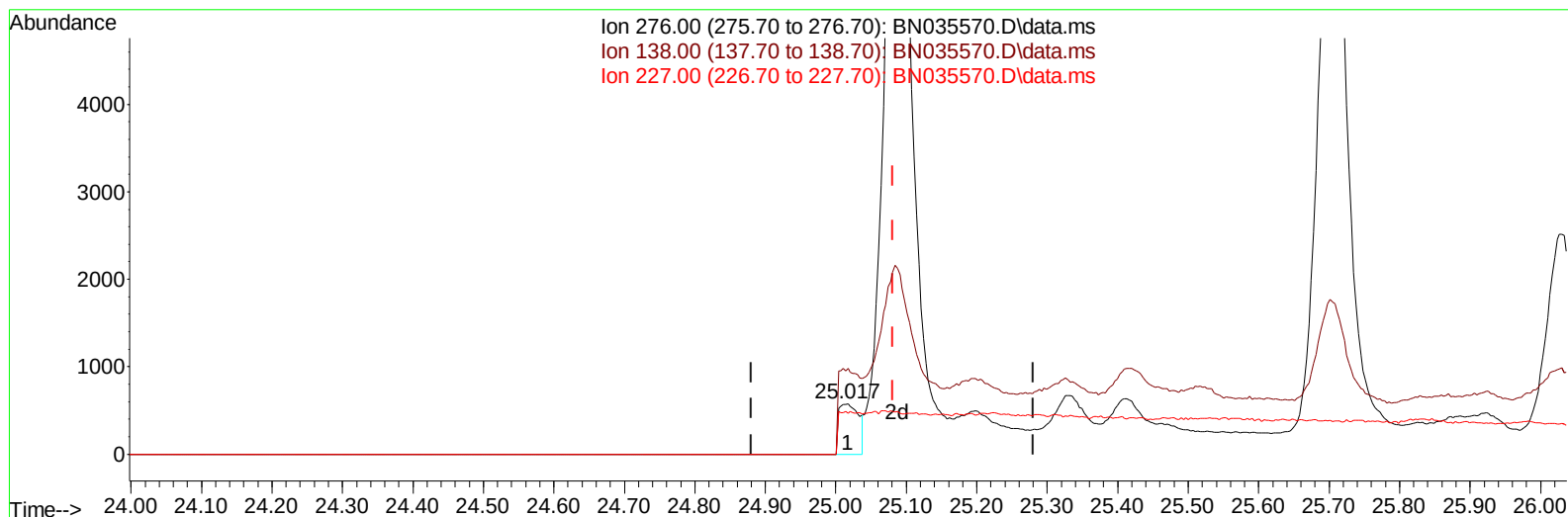
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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TIC: BN035570.D\data.ms

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

25.017min (-0.064) 0.04 ng/u1

response 1120

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	0.00#
227.00	0.30	0.00#
0.00	0.00	0.00

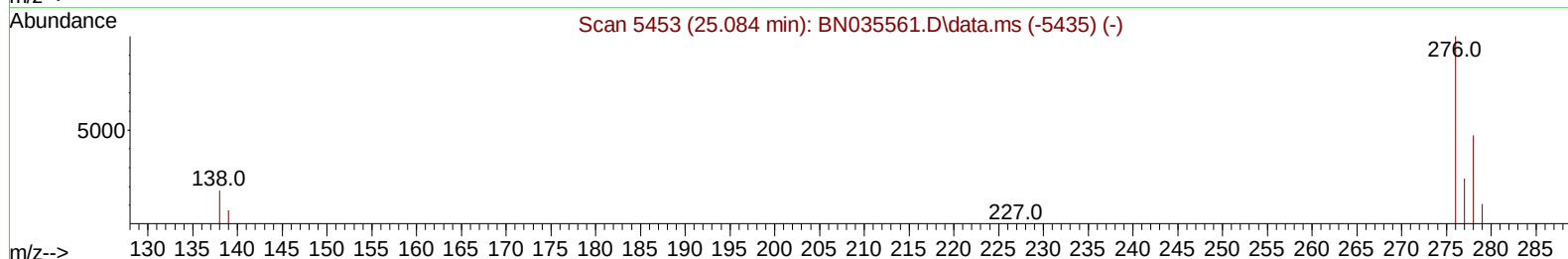
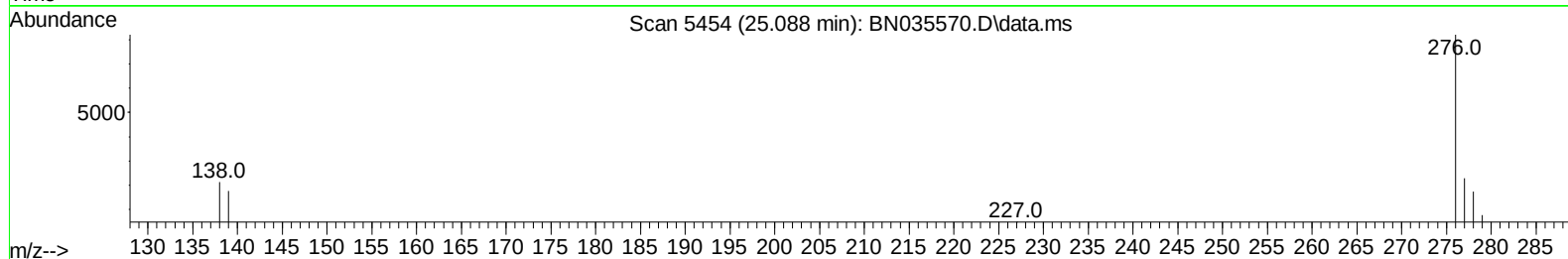
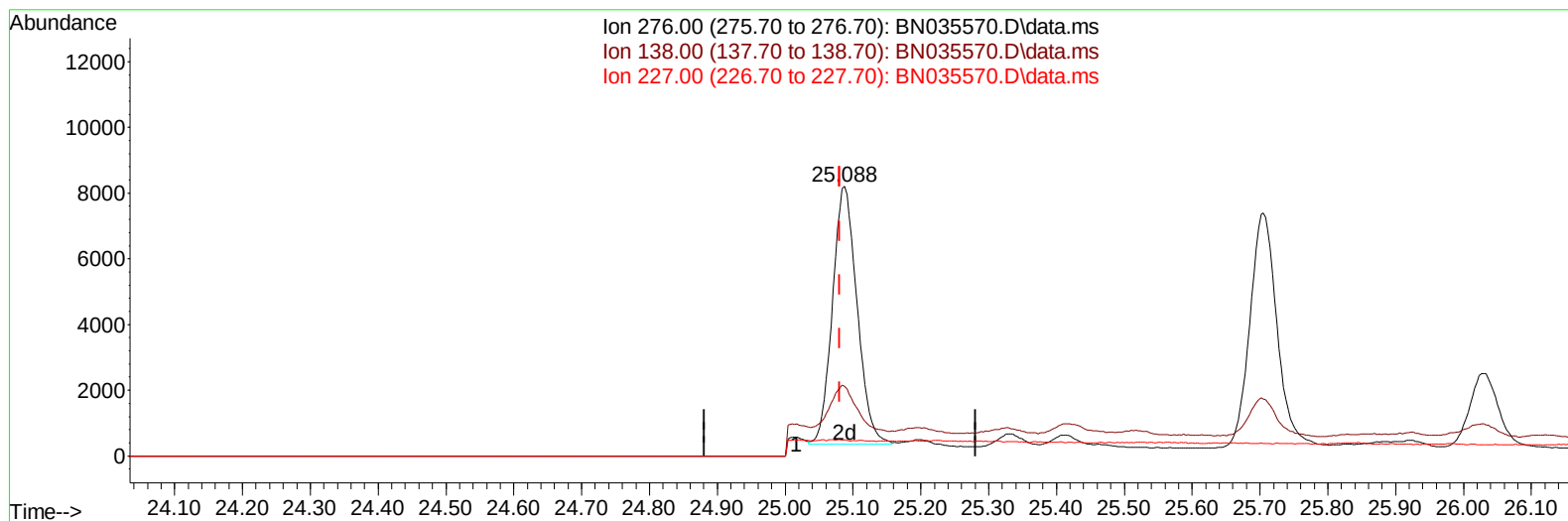
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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

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QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035570.D\data.ms

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

25.088min (+ 0.007) 0.66 ng/ul m

response 19790

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	0.00#
227.00	0.30	0.00#
0.00	0.00	0.00

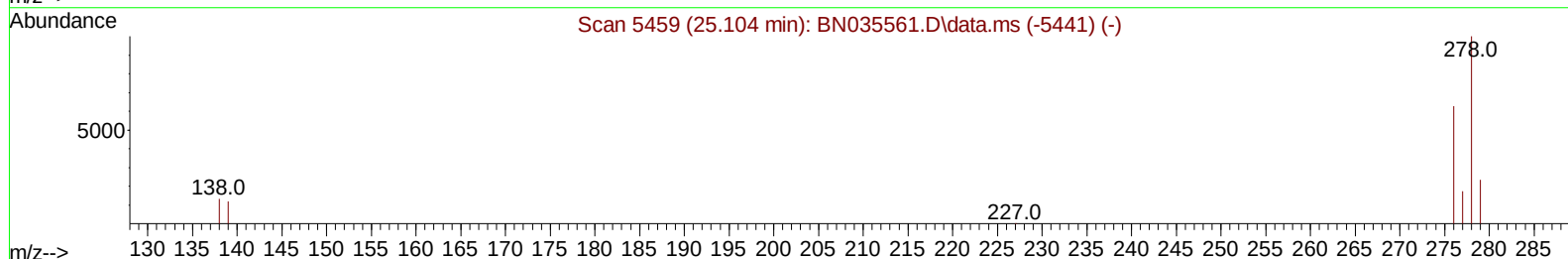
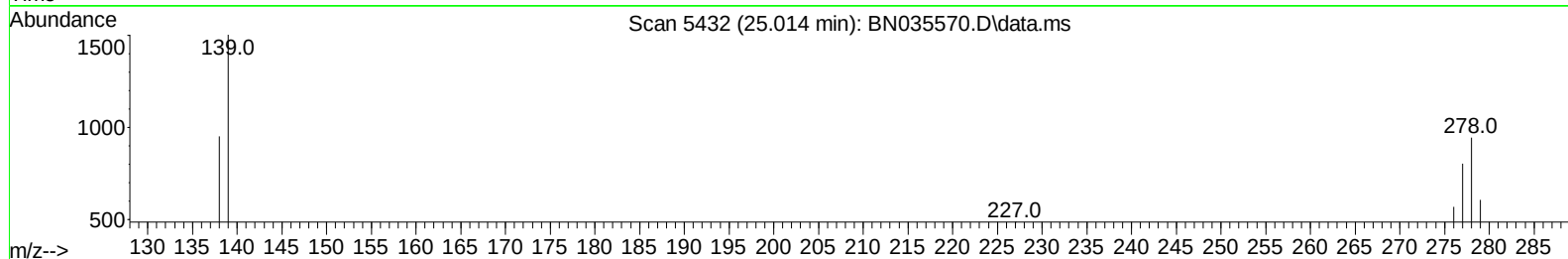
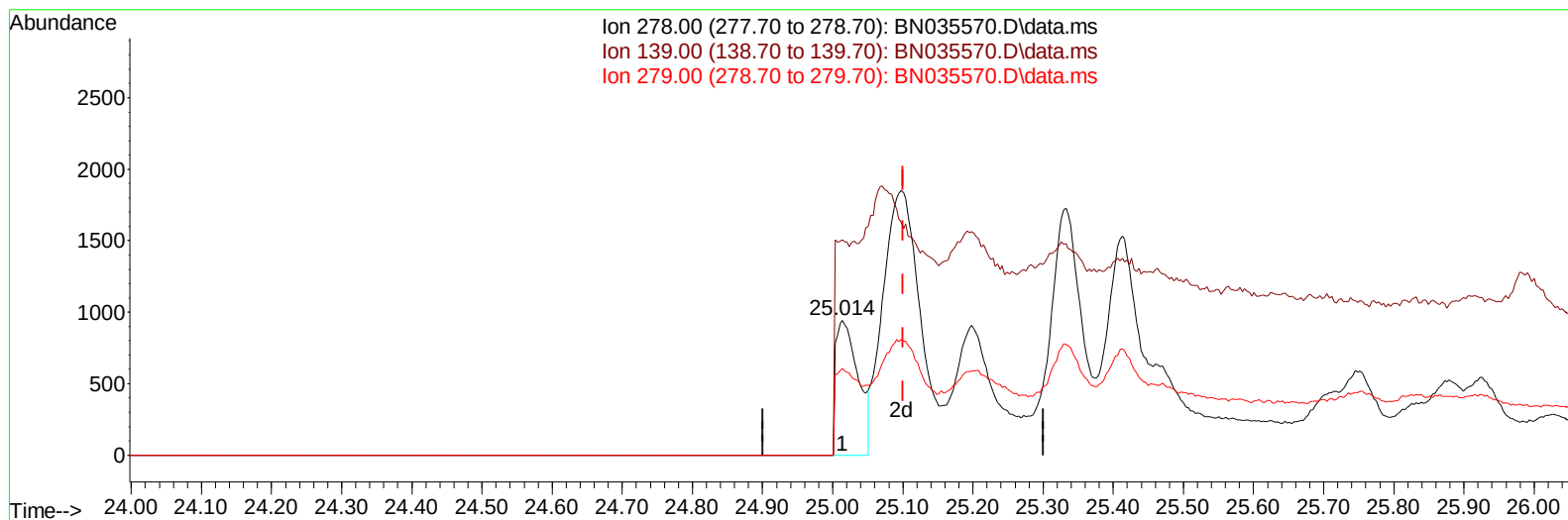
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 12/12/2024

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TIC: BN035570.D\data.ms

(28) Dibenzo(a,h)anthracene

25.014min (-0.087) 0.09 ng/u1

response 2070

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	159.26#
279.00	28.50	64.34#
0.00	0.00	0.00

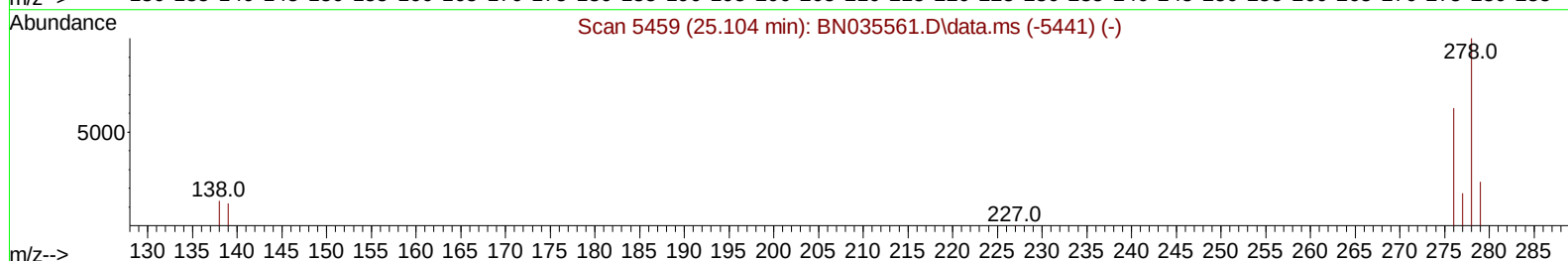
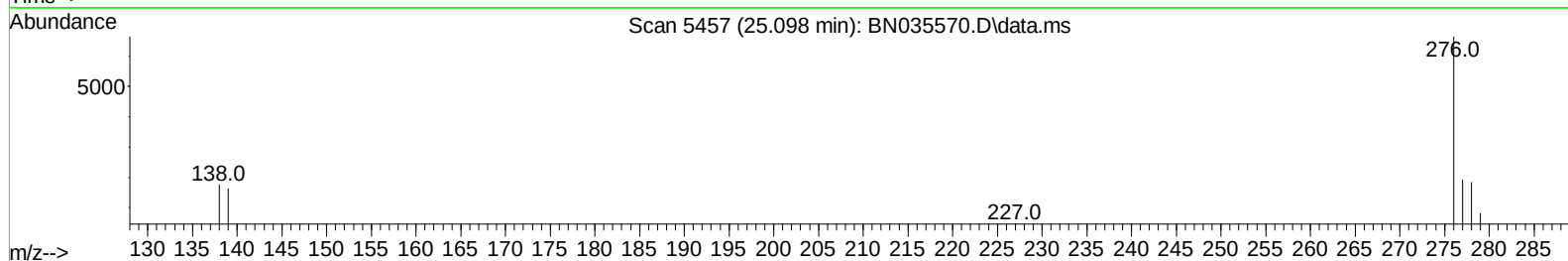
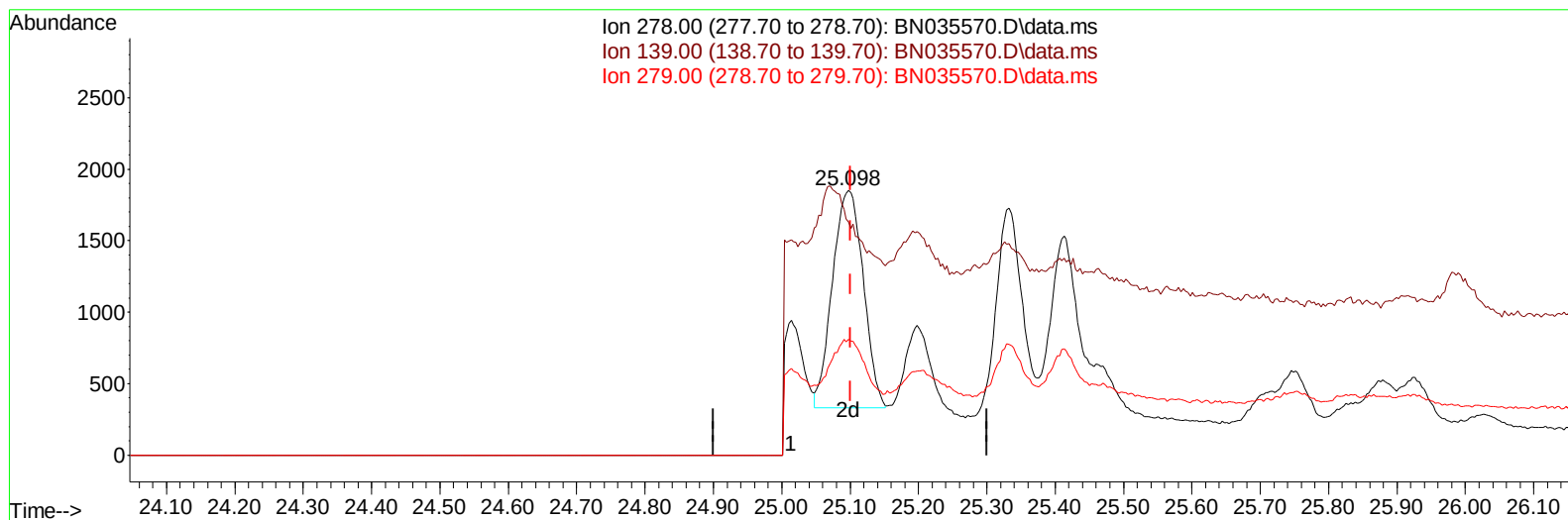
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

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

Quant Time: Dec 11 22:09:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 10 16:10:57 2024
Response via : Initial Calibration



TIC: BN035570.D\data.ms

(28) Dibenzo(a,h)anthracene

25.098min (-0.003) 0.20 ng/ul m

response 4765

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	88.02#
279.00	28.50	43.82#
0.00	0.00	0.00

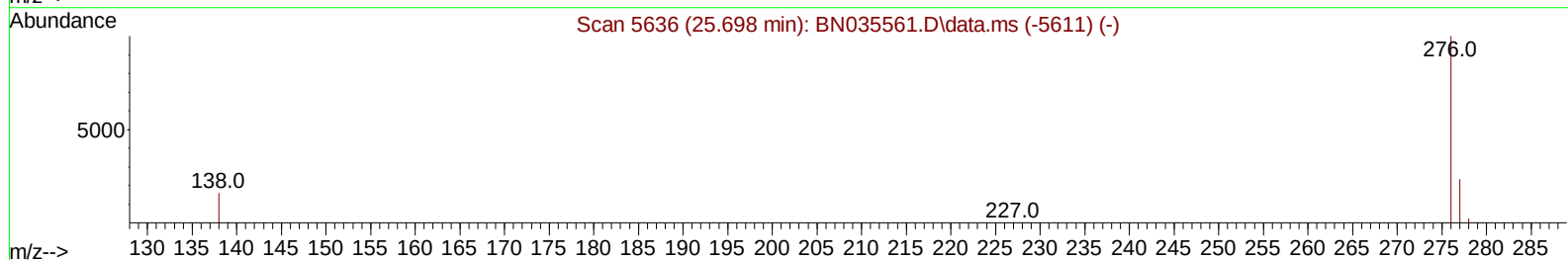
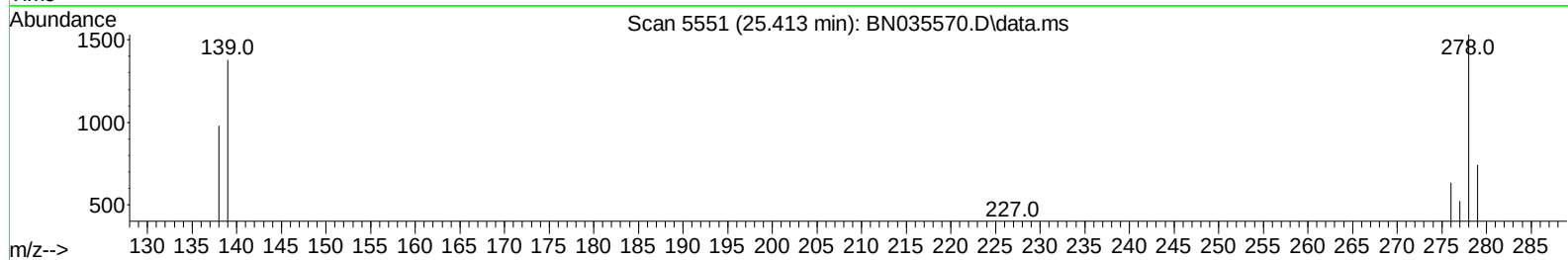
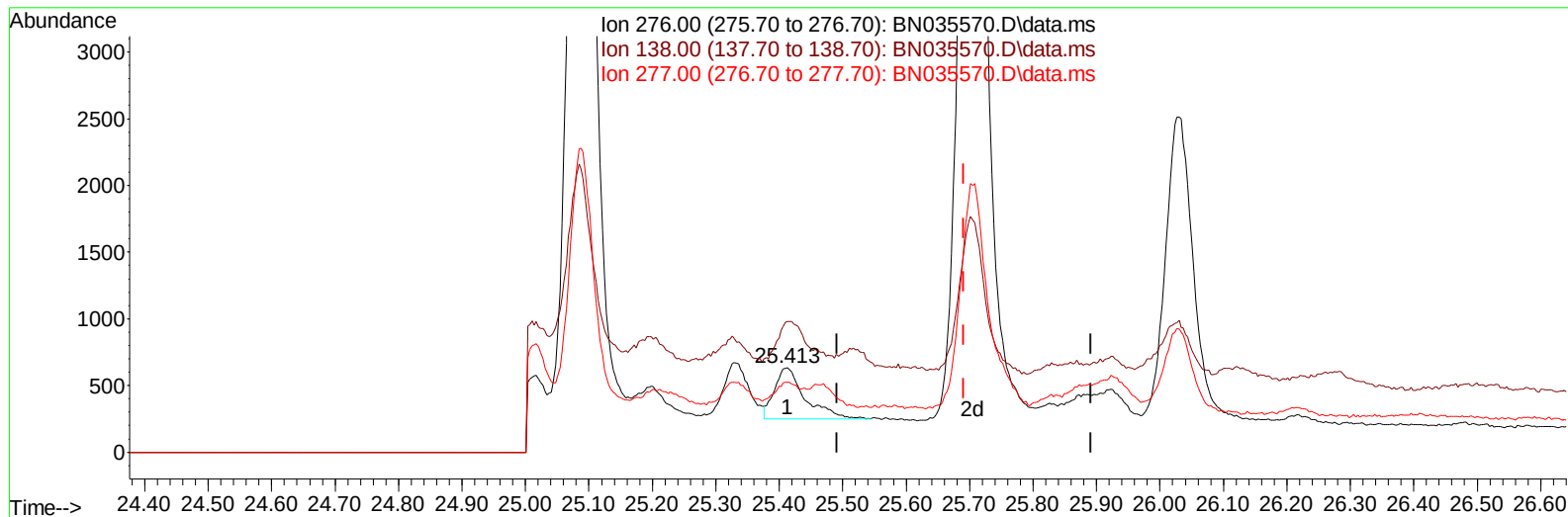
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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TIC: BN035570.D\data.ms

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

25.413min (-0.278) 0.05 ng/u1

response 1297

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	154.49#
277.00	25.60	82.52#
0.00	0.00	0.00

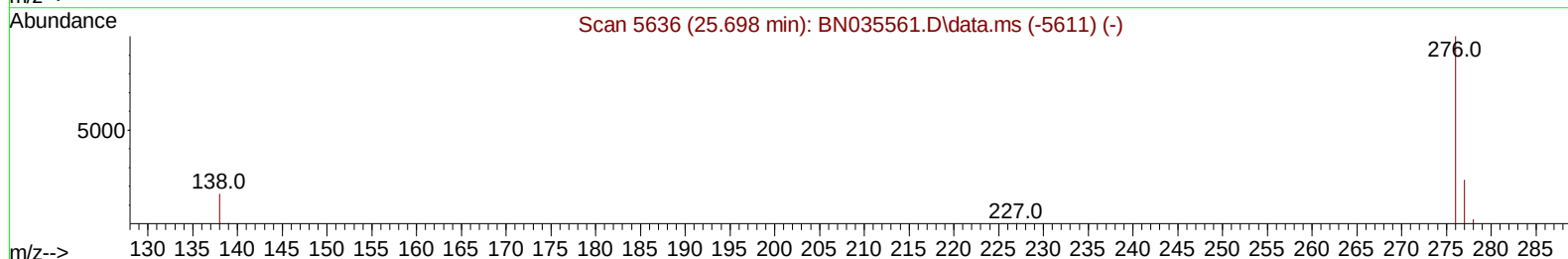
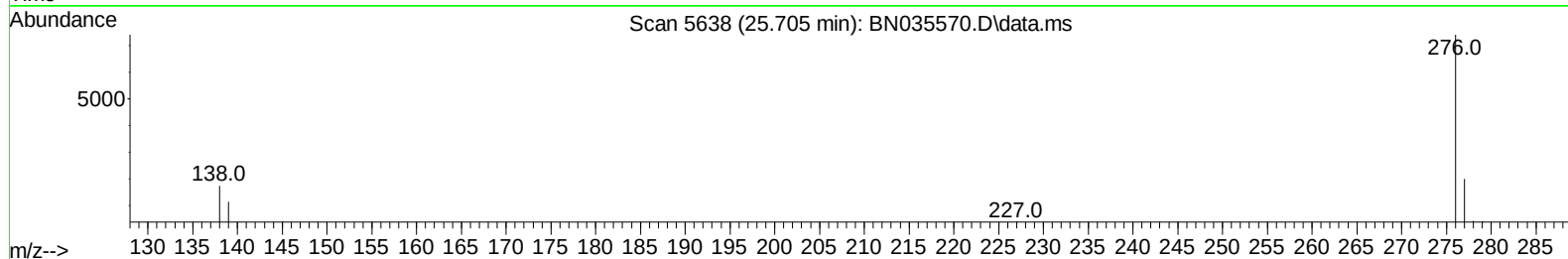
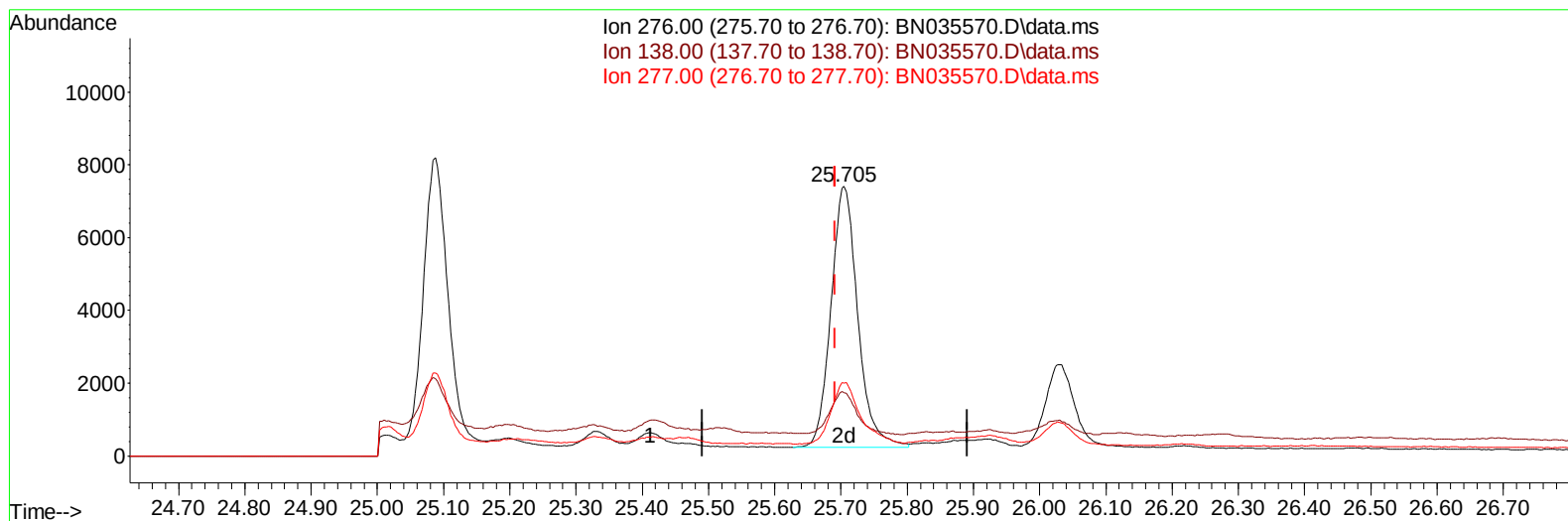
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
Data File : BN035570.D
Acq On : 11 Dec 2024 17:17
Operator : RC/JU
Sample : P5153-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28P4

Manual IntegrationsAPPROVED

Quant Time: Dec 11 22:09:52 2024
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QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/12/2024



TIC: BN035570.D\data.ms

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

25.705min (+ 0.014) 0.85 ng/ul m

response 20207

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	23.52#
277.00	25.60	27.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121024\
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 Acq On : 11 Dec 2024 17:17
 Operator : RC/JU
 Sample : P5153-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28P4

Manual IntegrationsAPPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.288	152	3036	0.400	ng/ul	0.00
4) Naphthalene-d8	10.037	136	8721	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.949	164	6101	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.717	188	12036	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.964	240	7896	0.400	ng/ul	# 0.00
23) Perylene-d12	23.057	264	7351m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.963	96	9424	3.396	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.637	152	2853	0.223	ng/ul	0.00
18) Fluoranthene-d10	18.772	212	8112	0.372	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.081	128	2009m	0.091	ng/ul	
7) 2-Methylnaphthalene	11.714	142	2940	0.193	ng/ul	98
8) 1-Methylnaphthalene	11.939	142	2158	0.140	ng/ul	96
11) Acenaphthene	14.014	153	11295	0.610	ng/ul	98
12) Fluorene	15.013	166	14503	0.667	ng/ul	95
15) Phenanthrene	16.760	178	153138	4.813	ng/ul	99
16) Anthracene	16.852	178	41040	1.390	ng/ul#	96
19) Fluoranthene	18.800	202	146786	5.339	ng/ul	99
20) Pyrene	19.167	202	115957	4.053	ng/ul	97
21) Benzo(a)anthracene	20.950	228	46324	1.691	ng/ul#	92
22) Chrysene	21.002	228	47176	1.711	ng/ul#	92
24) Benzo(b)fluoranthene	22.448	252	44777m	1.843	ng/ul	
25) Benzo(k)fluoranthene	22.484	252	15739m	0.628	ng/ul	
26) Benzo(a)pyrene	22.969	252	32914m	1.482	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.088	276	19790m	0.660	ng/ul	
28) Dibenzo(a,h)anthracene	25.098	278	4765m	0.203	ng/ul	
29) Benzo(g,h,i)perylene	25.705	276	20207m	0.855	ng/ul	

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

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