

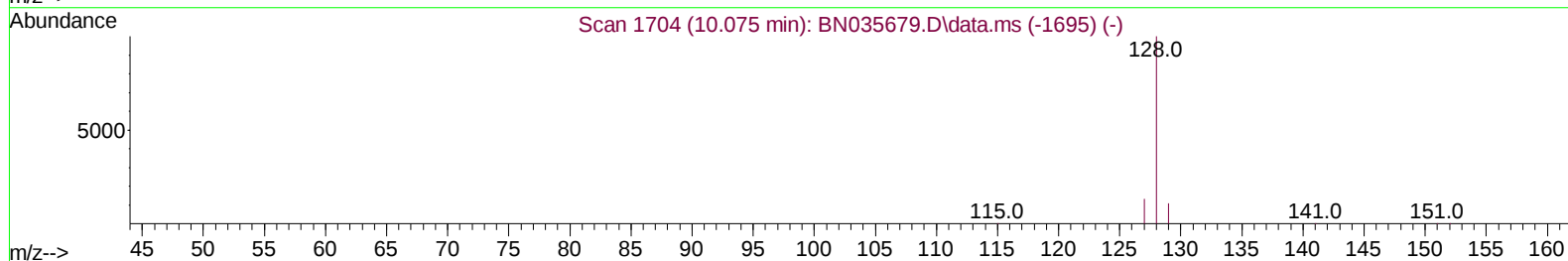
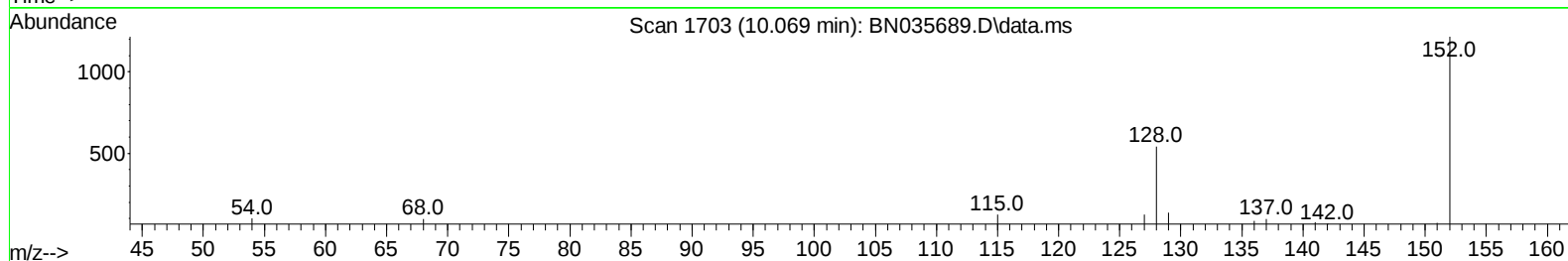
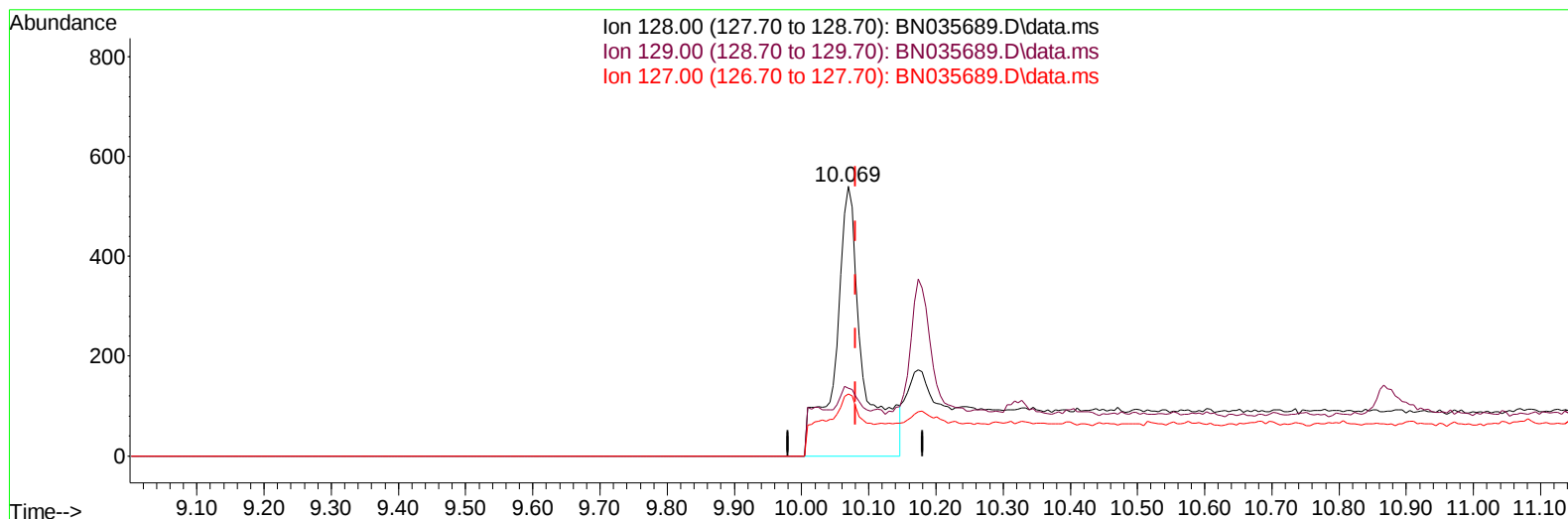
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 19 03:40:08 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: BN035689.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.08 ng/u1

response 1524

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	25.19#
127.00	15.00	22.96#
0.00	0.00	0.00

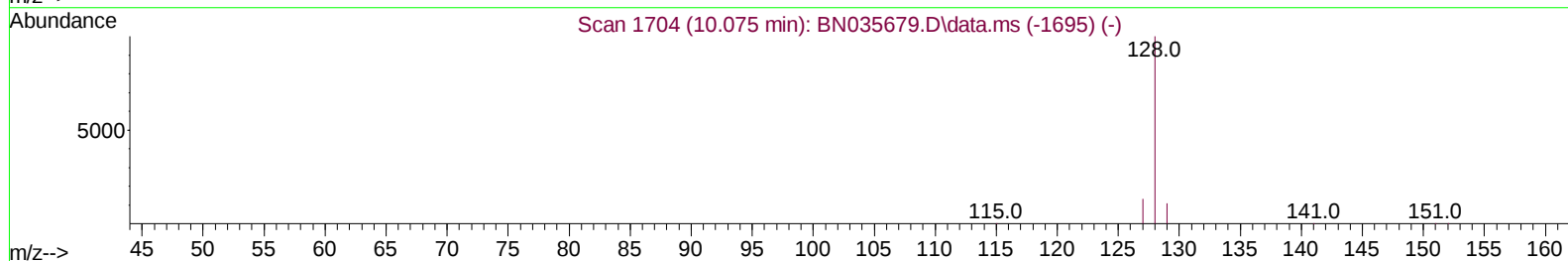
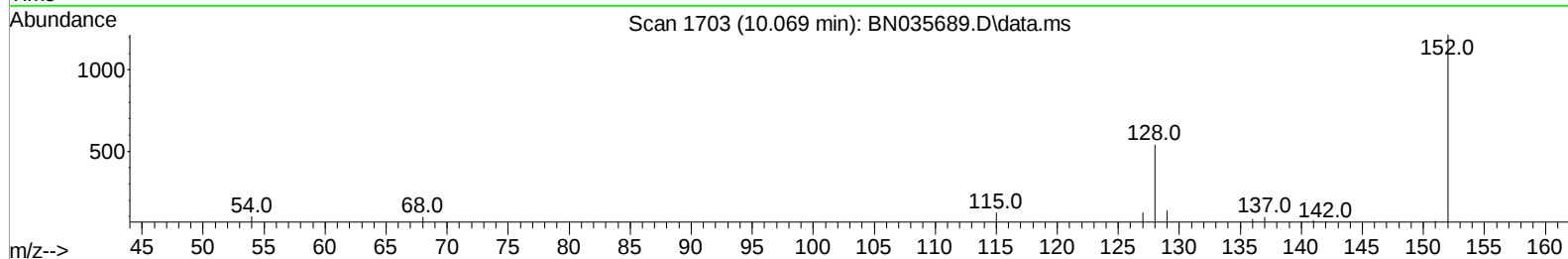
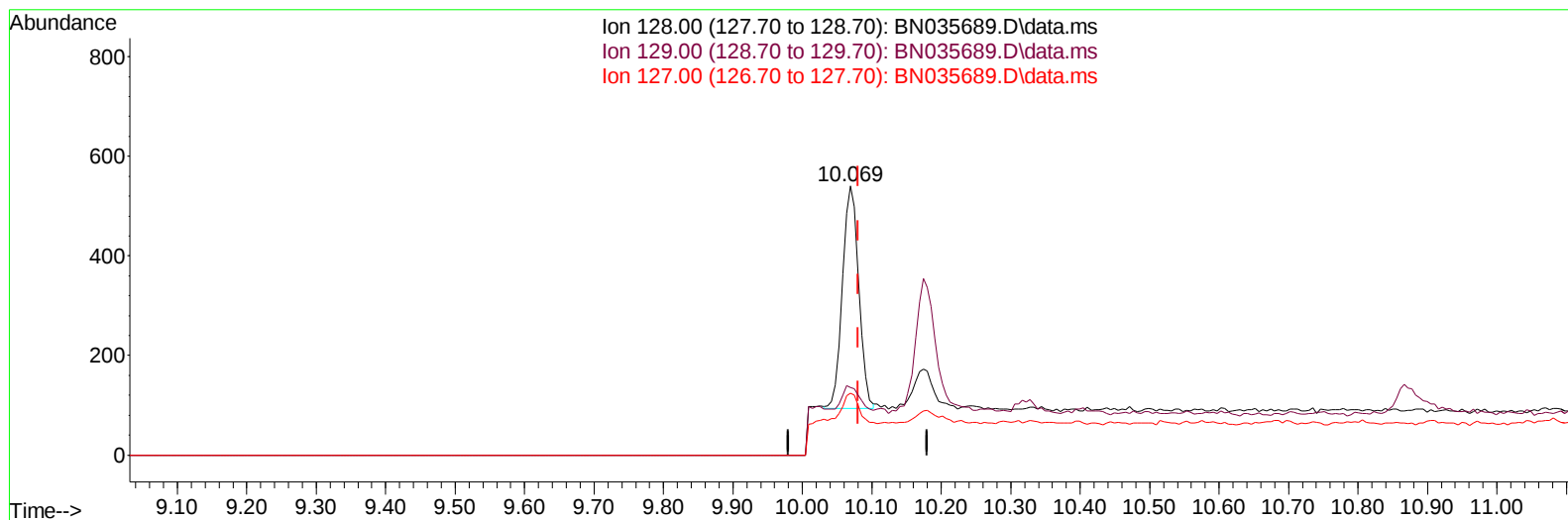
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
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Operator : RC/JU
Sample : P5258-16
Misc :
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Instrument :
BNA_N
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Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035689.D\data.ms

(5) Naphthalene

10.069min (-0.011) 0.04 ng/ul m

response 727

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	25.19#
127.00	15.00	22.96#
0.00	0.00	0.00

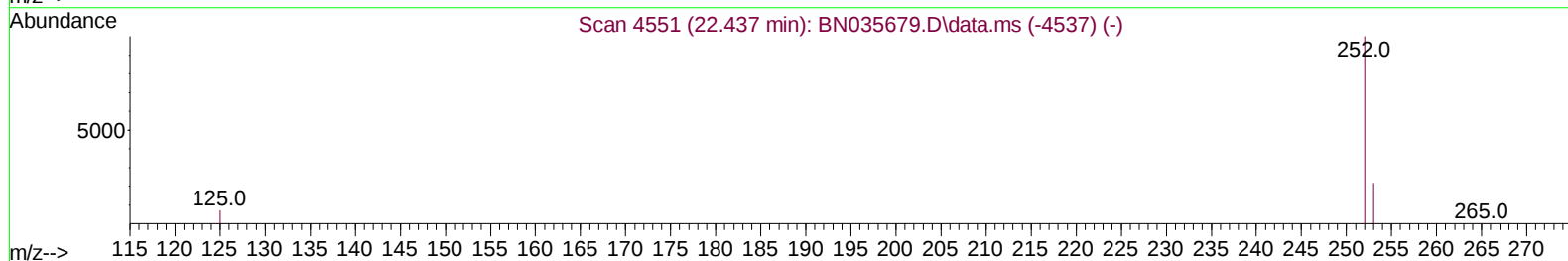
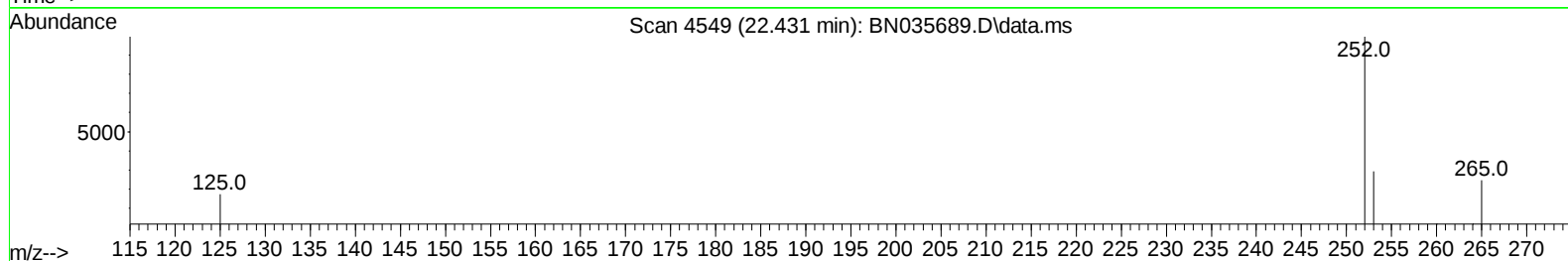
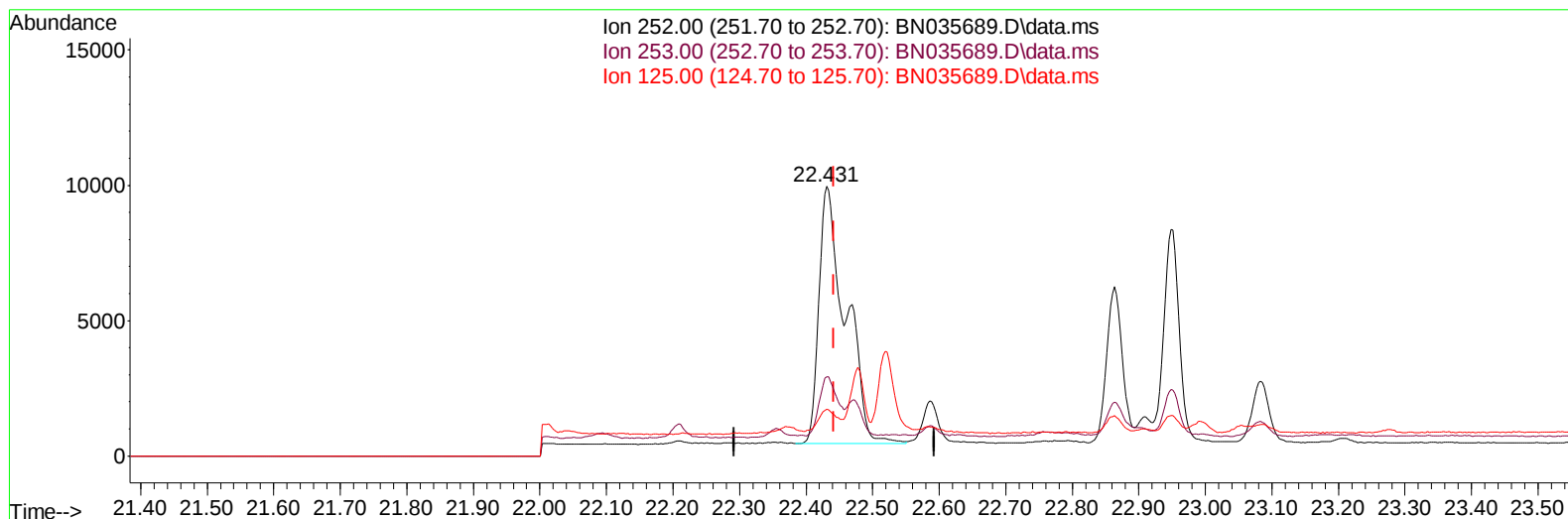
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

(24) Benzo(b)fluoranthene

22.431min (-0.012) 0.64 ng/u1

response 26203

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.38
125.00	18.80	17.32
0.00	0.00	0.00

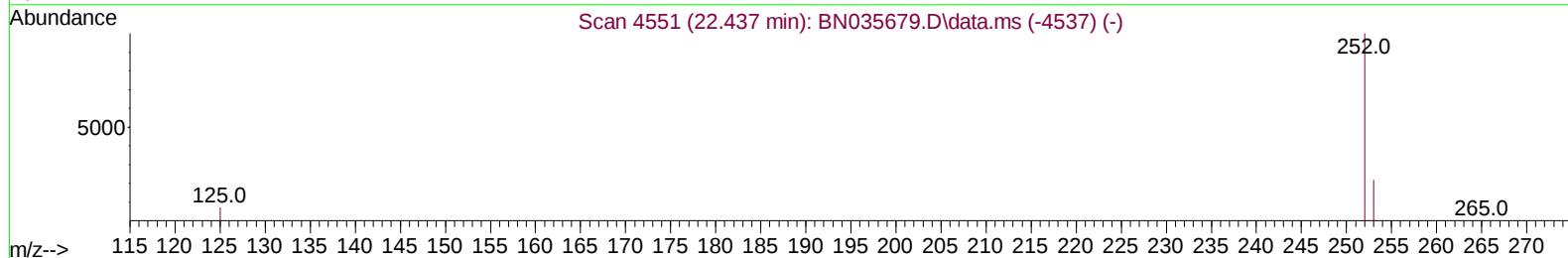
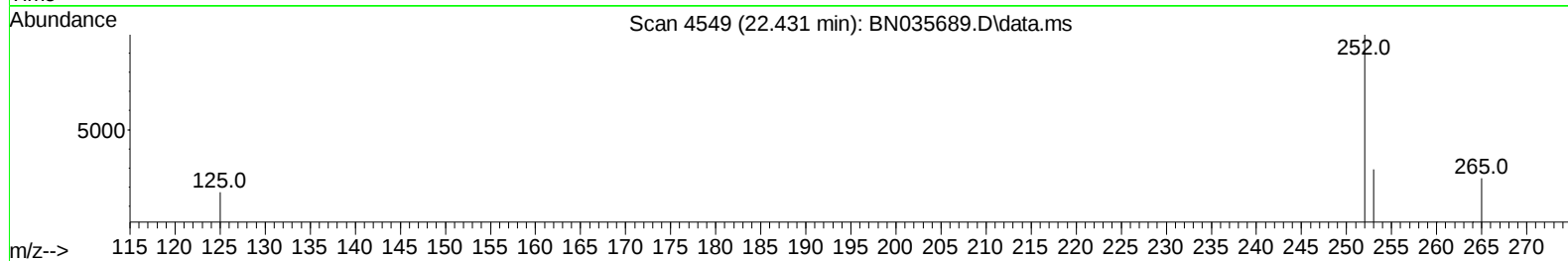
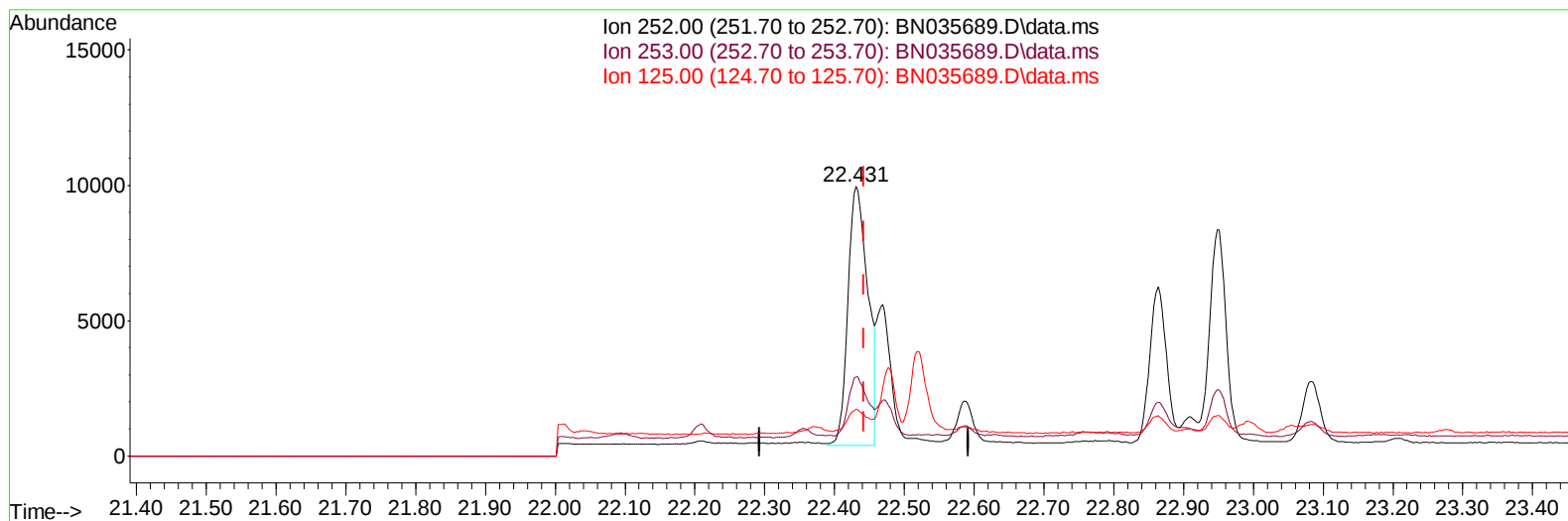
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 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 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

(24) Benzo(b)fluoranthene

22.431min (-0.012) 0.46 ng/u1 m

response 18938

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	29.38
125.00	18.80	17.32
0.00	0.00	0.00

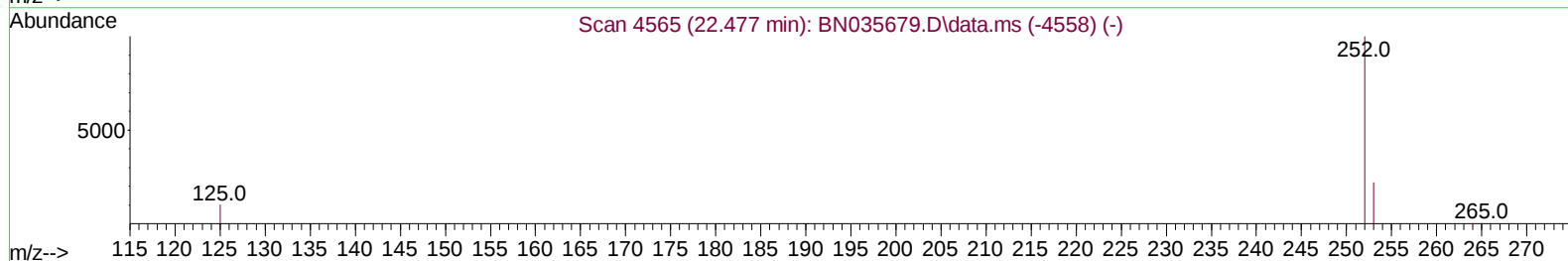
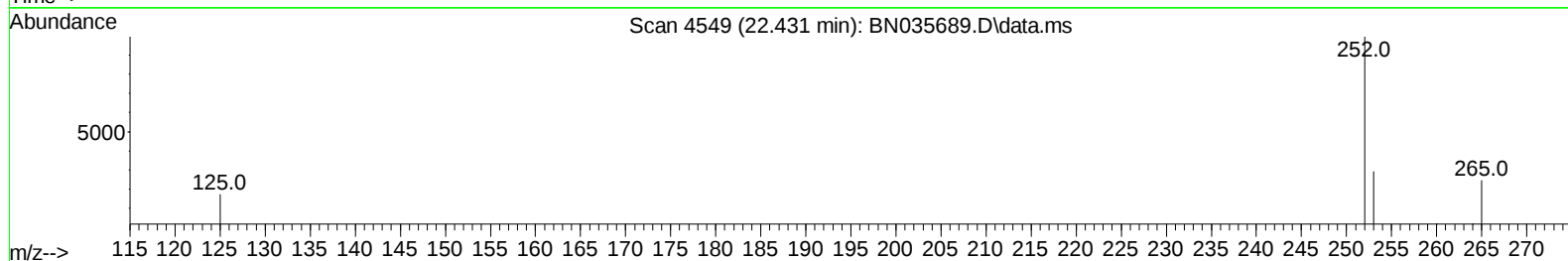
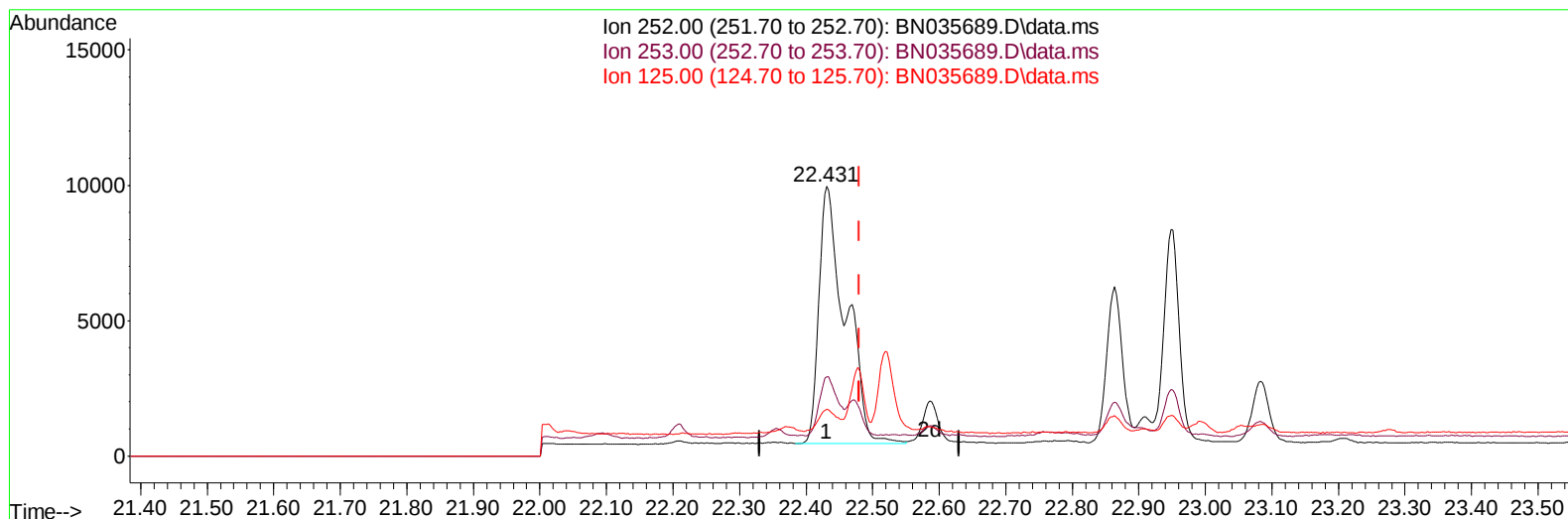
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 2024
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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 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

(25) Benzo(k)fluoranthene

22.431min (-0.050) 0.58 ng/u1

response 26203

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	29.38
125.00	19.10	17.32
0.00	0.00	0.00

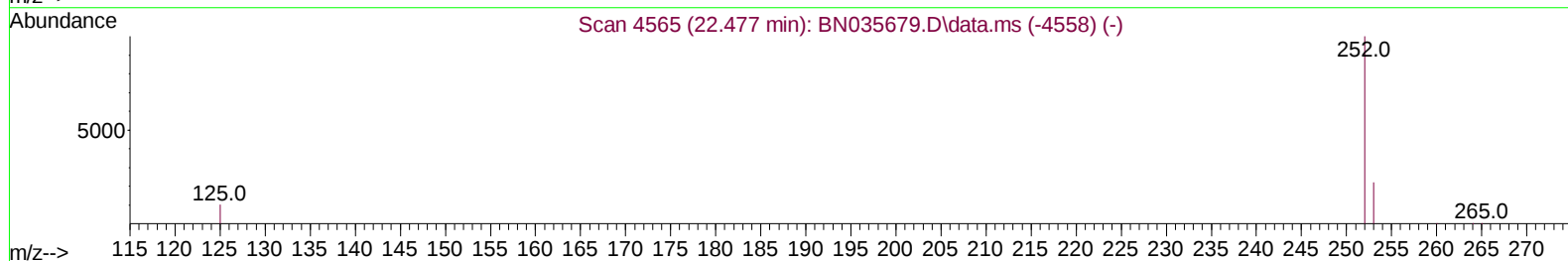
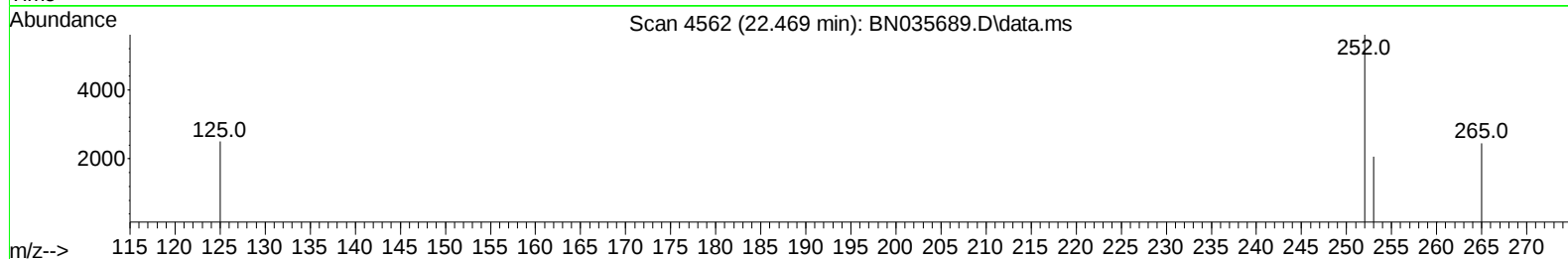
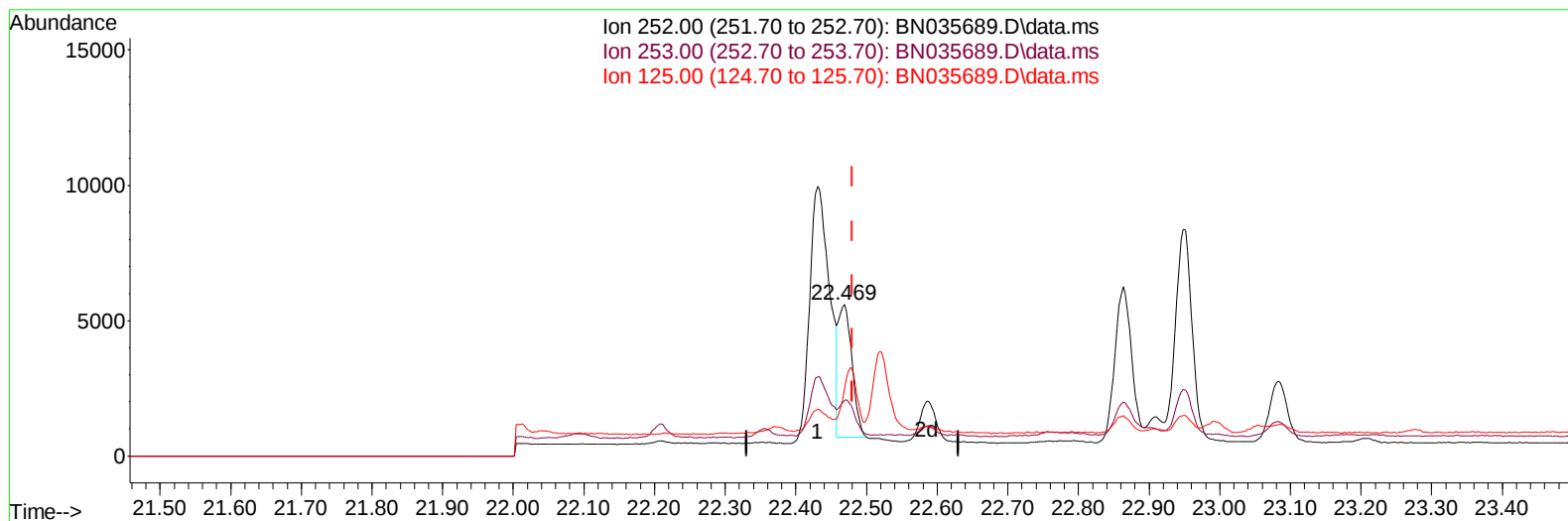
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 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 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

(25) Benzo(k)fluoranthene

22.469min (-0.012) 0.14 ng/u1 m

response 6509

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	36.72#
125.00	19.10	44.67#
0.00	0.00	0.00

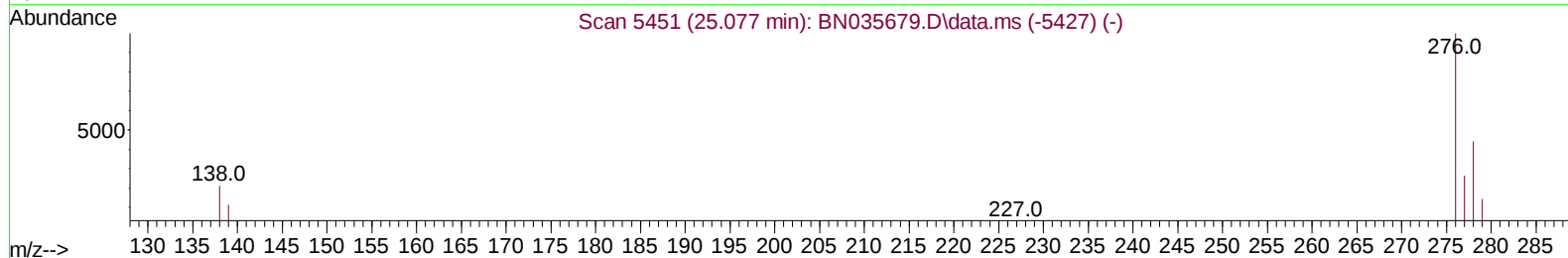
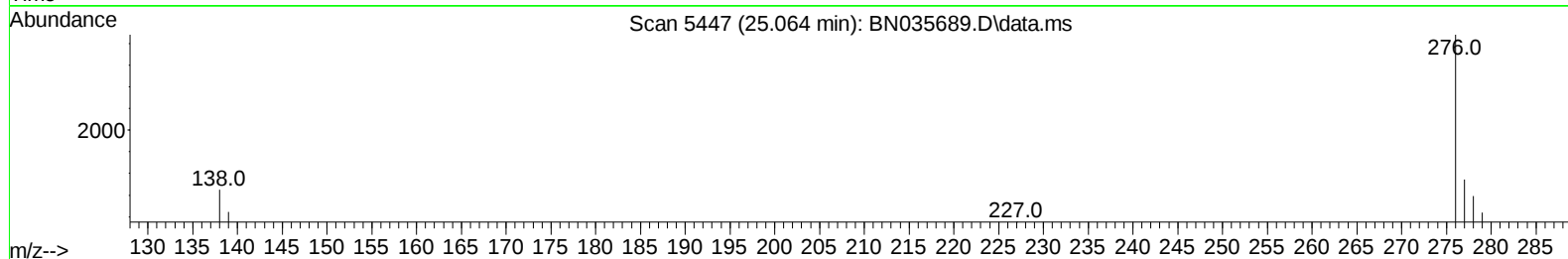
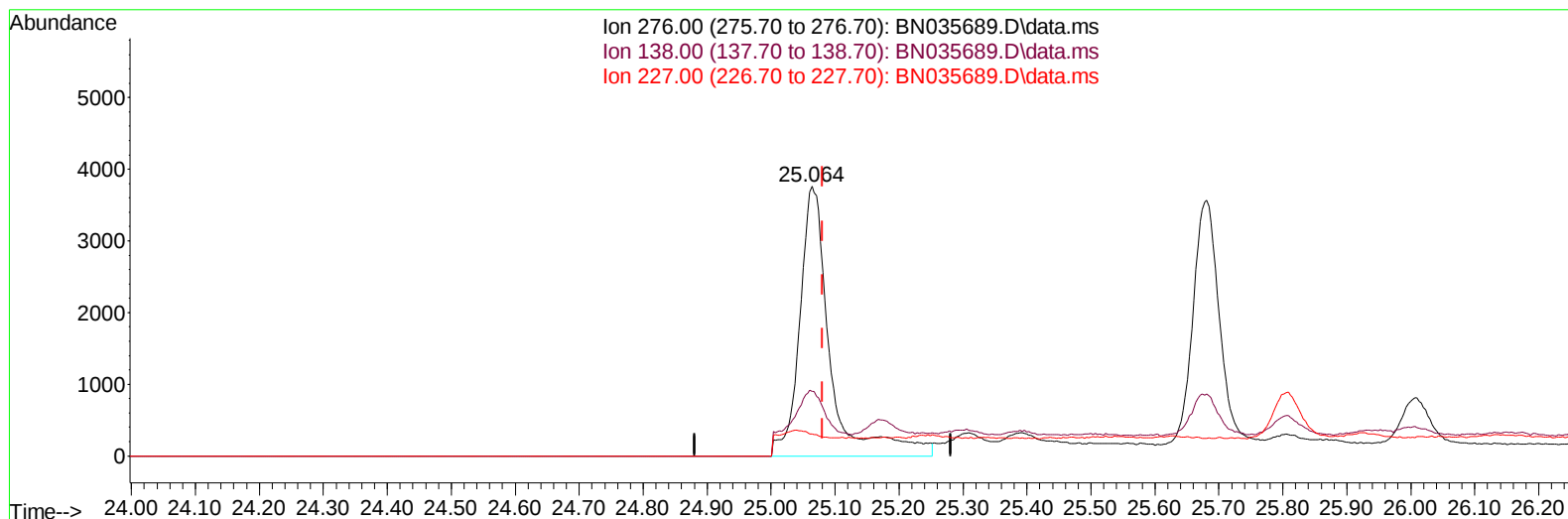
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 2024
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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 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

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

25.064min (-0.017) 0.26 ng/u1

response 12428

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	54.52#
227.00	27.00	0.00#
0.00	0.00	0.00

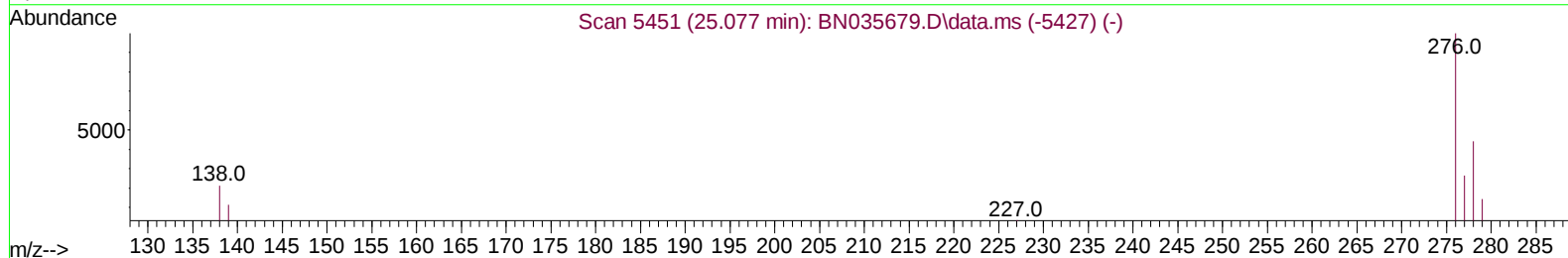
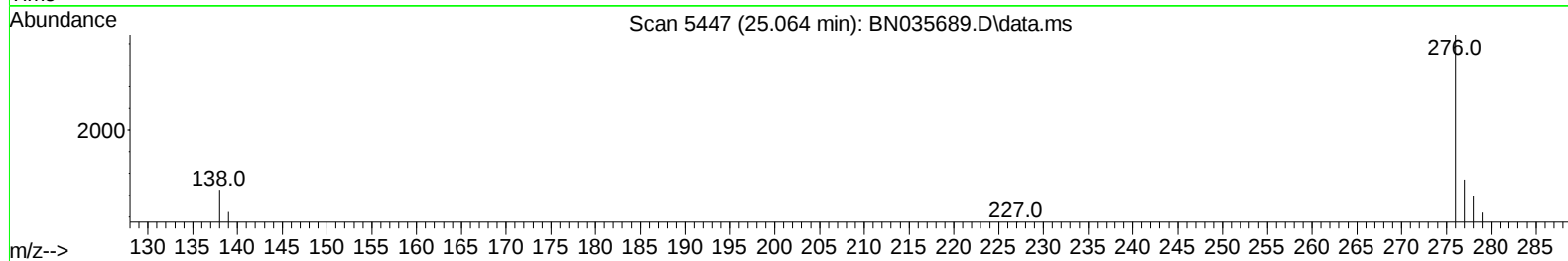
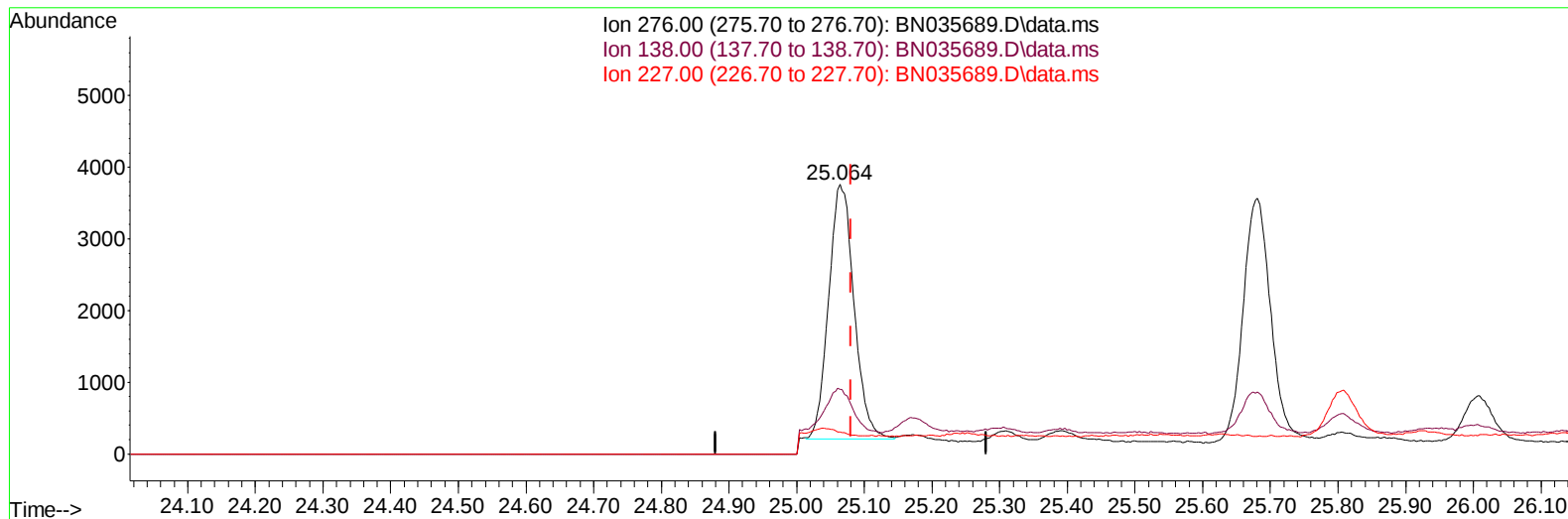
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 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 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

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

25.064min (-0.017) 0.19 ng/ul m

response 9260

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	73.17#
227.00	27.00	0.00#
0.00	0.00	0.00

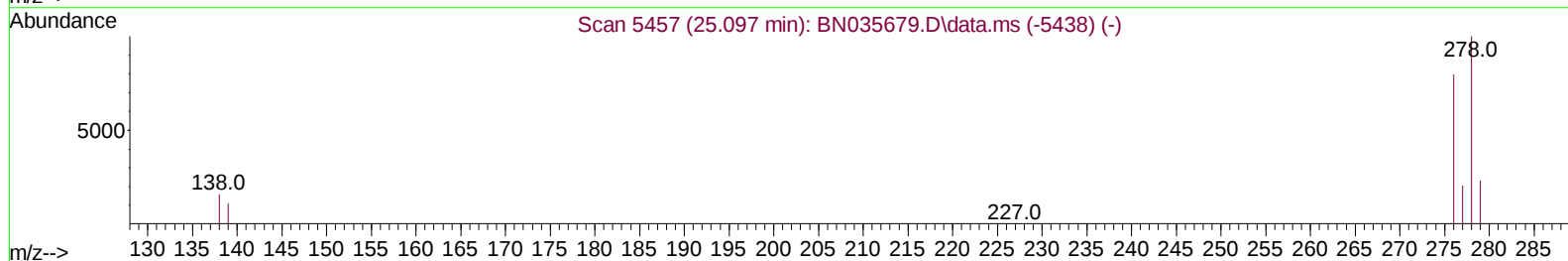
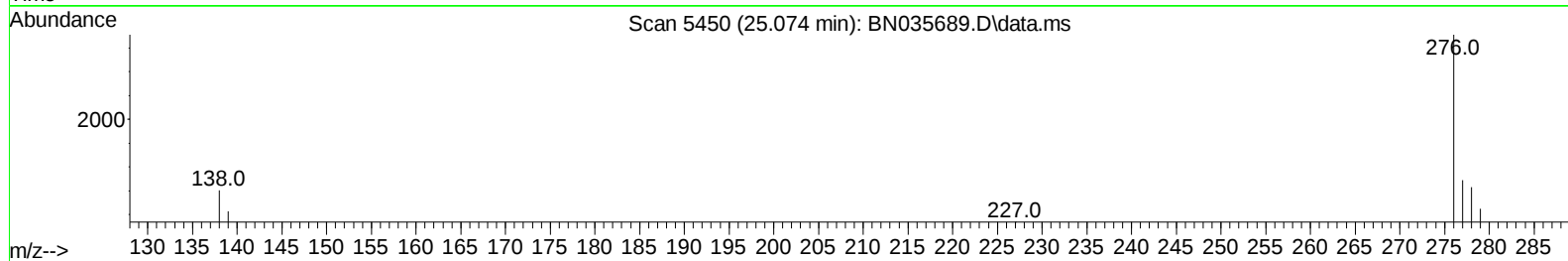
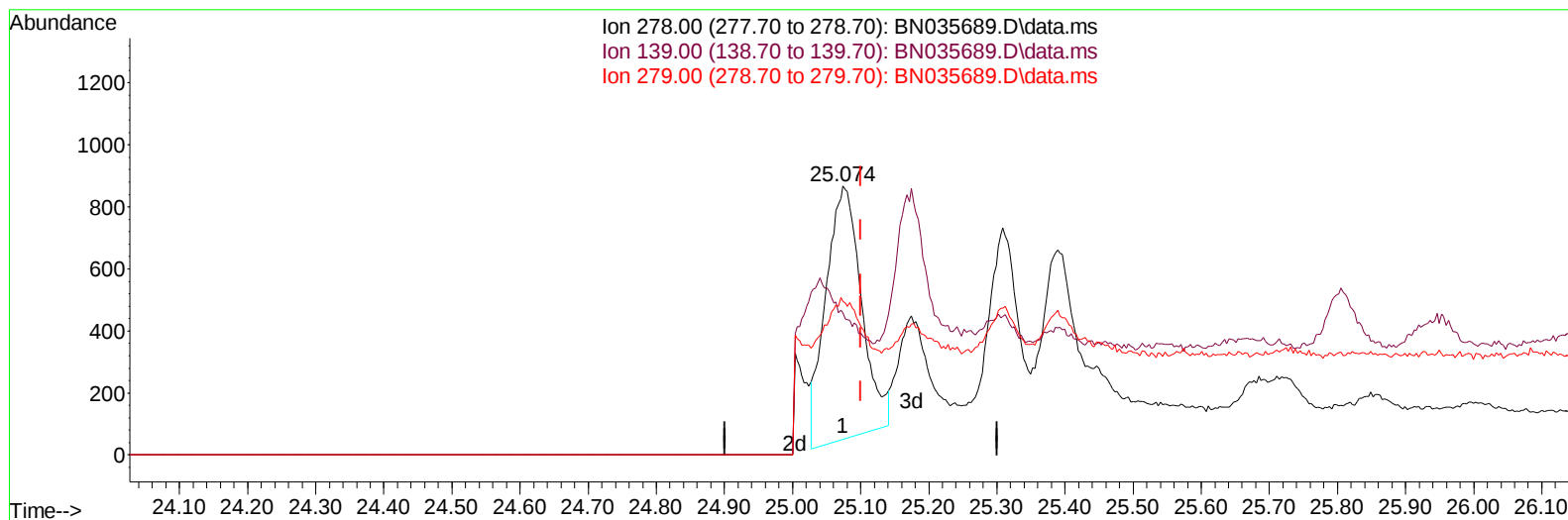
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 2024
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Reviewed By :Yogesh Patel 12/24/2024
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TIC: BN035689.D\data.ms

(28) Dibenzo(a,h)anthracene

25.074min (-0.027) 0.08 ng/u1

response 2979

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	52.83#
279.00	30.00	57.09#
0.00	0.00	0.00

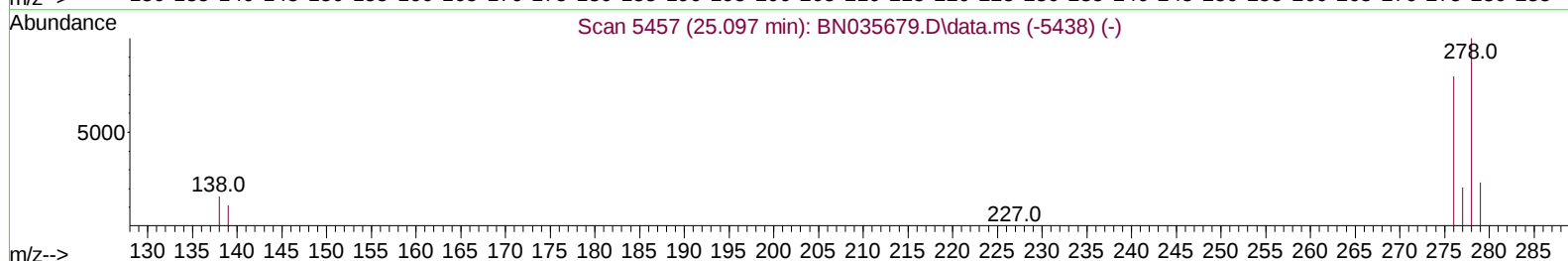
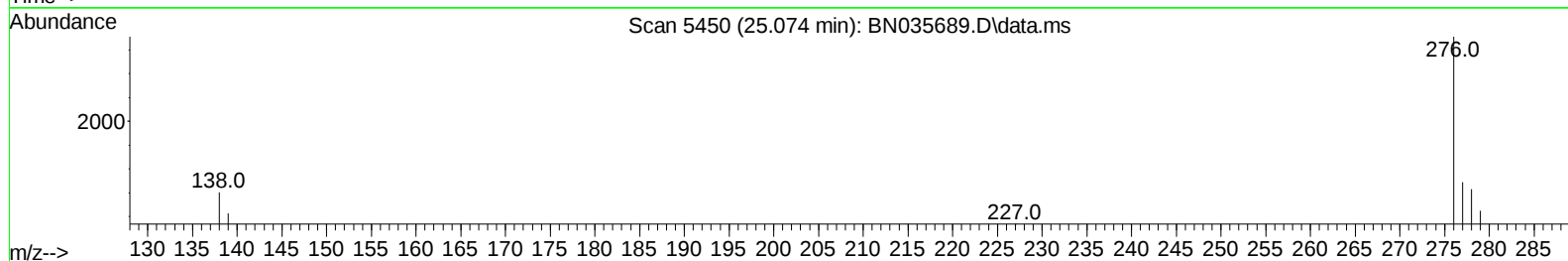
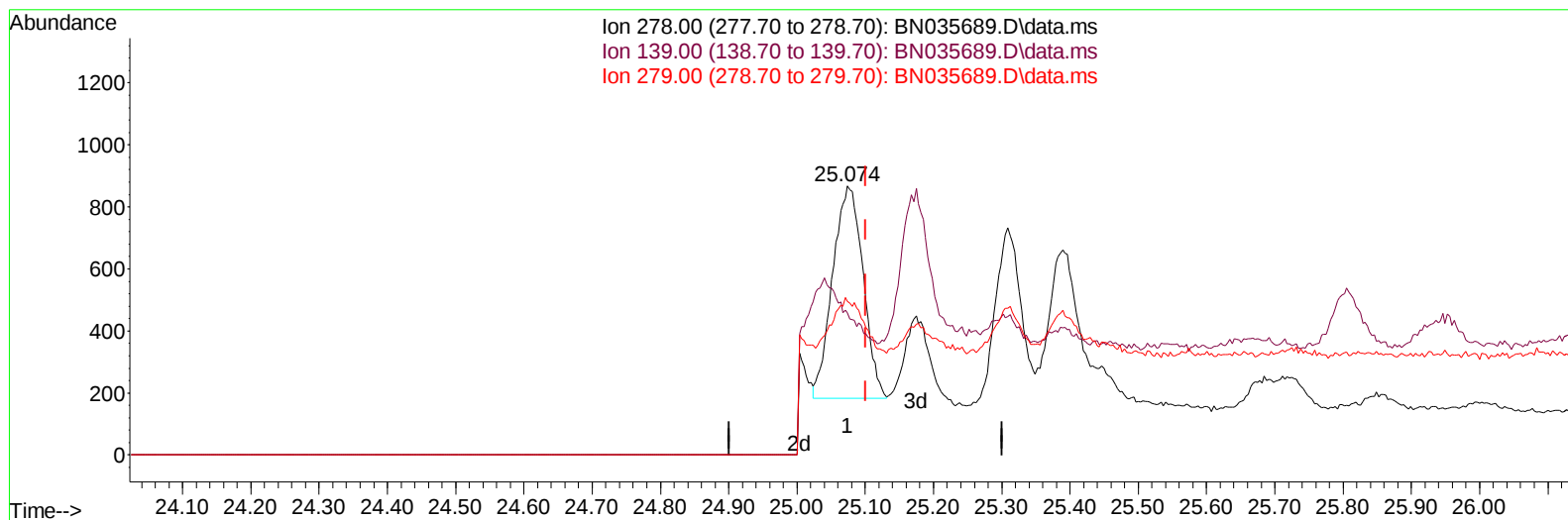
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
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QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

(28) Dibenzo(a,h)anthracene

25.074min (-0.027) 0.06 ng/u1 m

response 2122

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	52.83#
279.00	30.00	57.09#
0.00	0.00	0.00

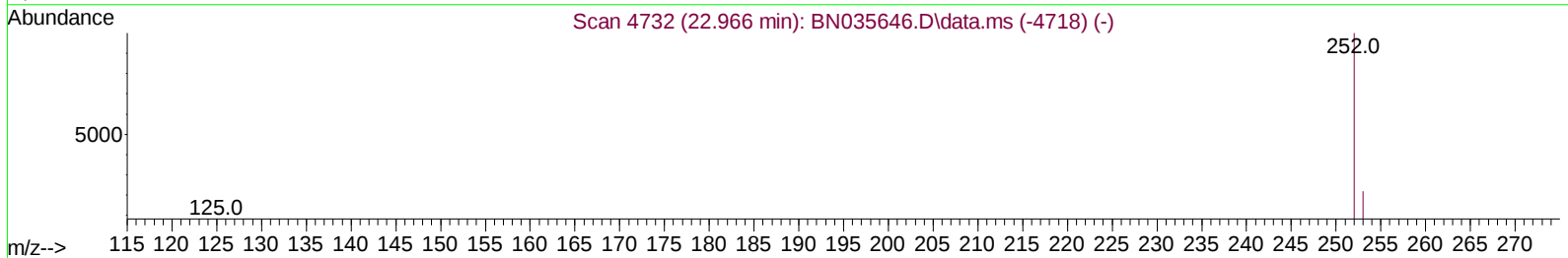
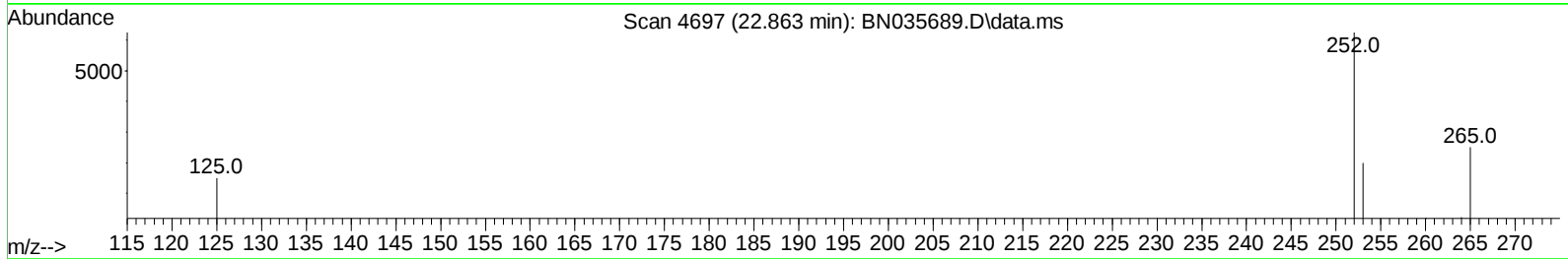
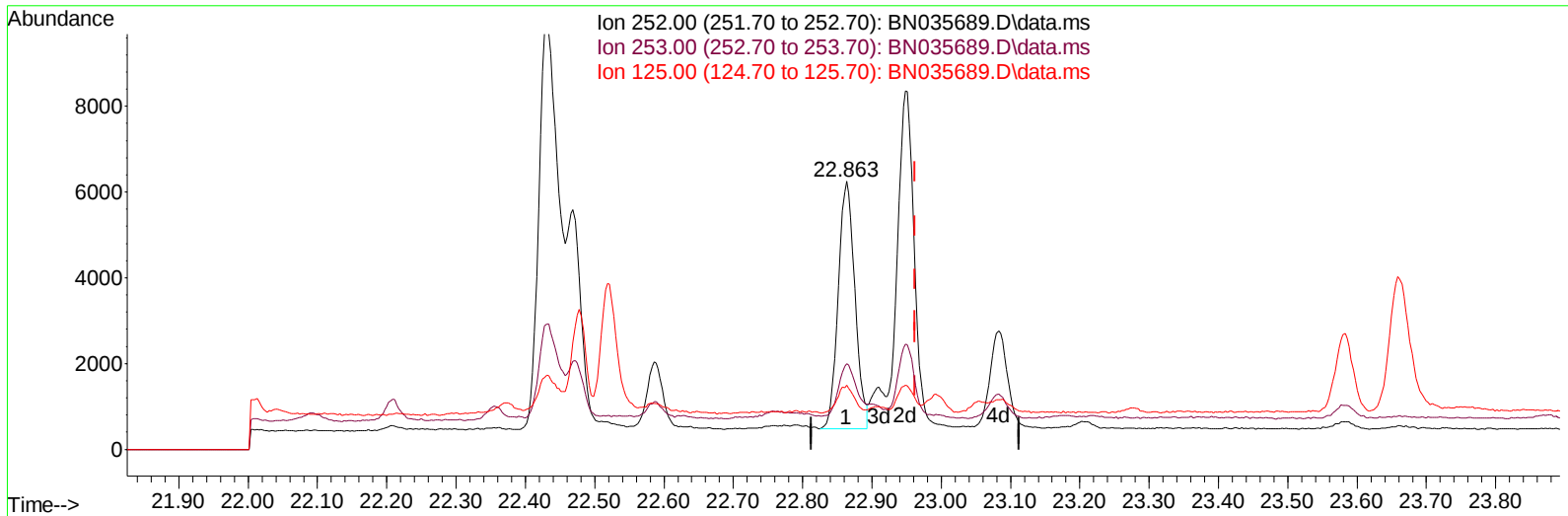
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Manual IntegrationsAPPROVED

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TIC: BN035689.D\data.ms

(26) Benzo(a)pyrene (C)

22.863min (-0.099) 0.24 ng/u1

response 9683

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	31.90
125.00	23.90	23.87
0.00	0.00	0.00

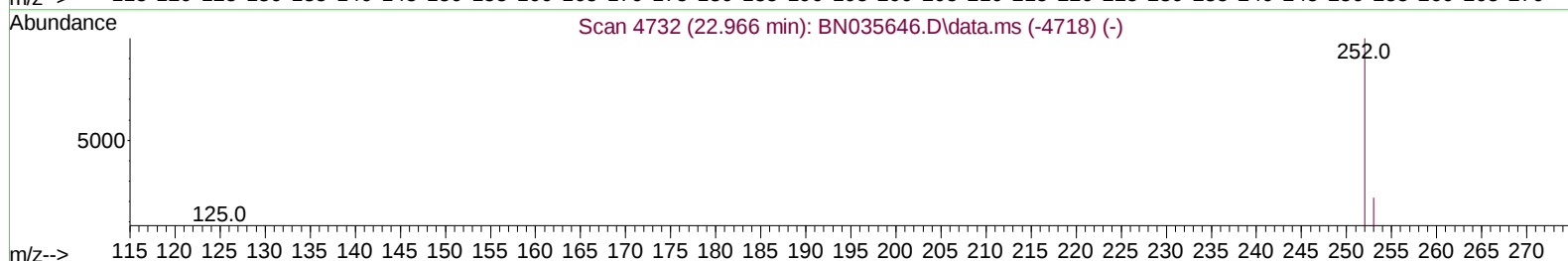
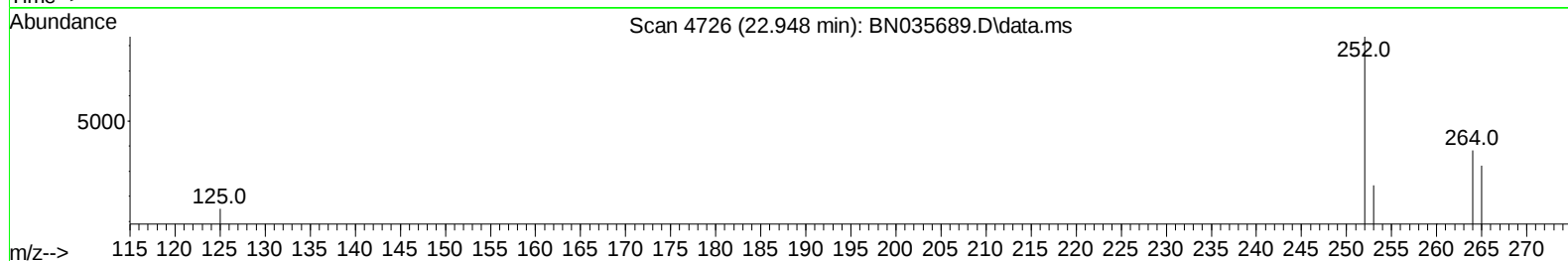
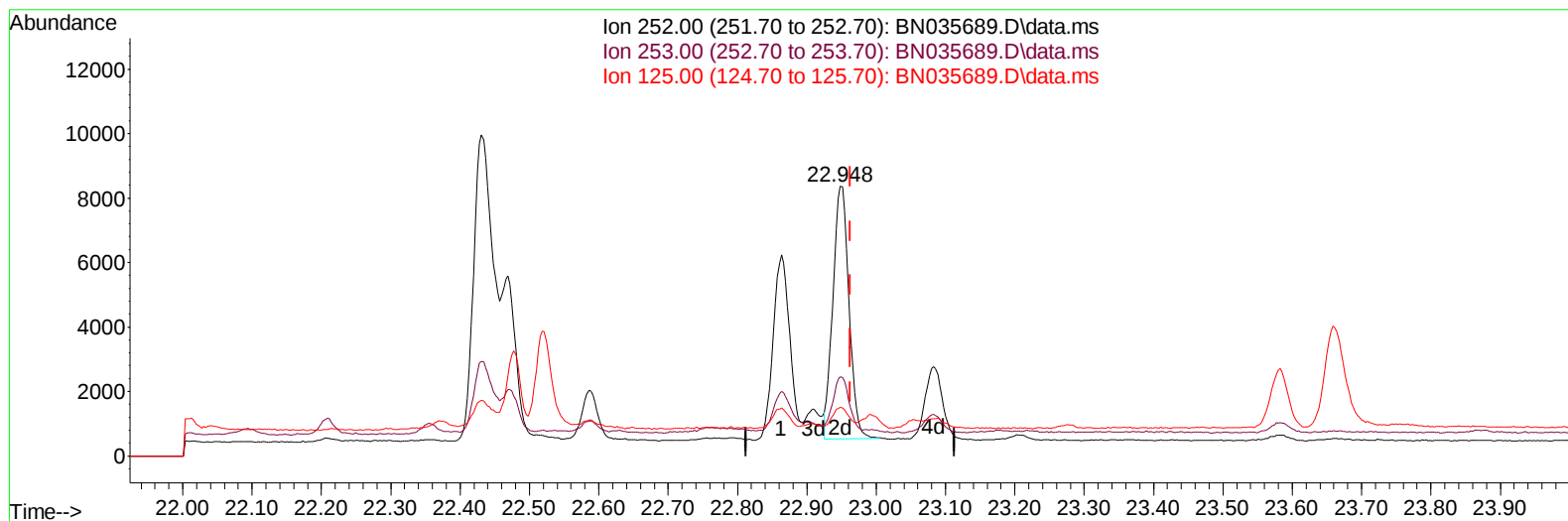
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 2024
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035689.D\data.ms

(26) Benzo(a)pyrene (C)

22.948min (-0.015) 0.32 ng/u1 m

response 12598

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	29.26
125.00	23.90	17.96#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035689.D
 Acq On : 19 Dec 2024 03:06
 Operator : RC/JU
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 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28X9

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.276	152	2971	0.400	ng/ul	0.00
4) Naphthalene-d8	10.020	136	8227	0.400	ng/ul	-0.01
9) Acenaphthene-d10	13.939	164	5973	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.709	188	12104	0.400	ng/ul	0.00
17) Chrysene-d12	20.955	240	10877	0.400	ng/ul	0.00
23) Perylene-d12	23.039	264	13947	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	9195	3.491	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.626	152	2560	0.218	ng/ul	-0.01
18) Fluoranthene-d10	18.763	212	5516	0.174	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.069	128	727m	0.036	ng/ul	
7) 2-Methylnaphthalene	11.703	142	607	0.045	ng/ul	100
8) 1-Methylnaphthalene	11.928	142	472	0.034	ng/ul	97
10) Acenaphthylene	13.653	152	549	0.024	ng/ul#	58
11) Acenaphthene	14.004	153	943	0.054	ng/ul	97
12) Fluorene	15.003	166	639	0.031	ng/ul#	93
15) Phenanthrene	16.751	178	14108	0.466	ng/ul	99
16) Anthracene	16.840	178	3444	0.122	ng/ul#	93
19) Fluoranthene	18.791	202	29038	0.746	ng/ul	99
20) Pyrene	19.158	202	25824	0.603	ng/ul	99
21) Benzo(a)anthracene	20.938	228	13193	0.366	ng/ul	98
22) Chrysene	20.990	228	14046	0.375	ng/ul	98
24) Benzo(b)fluoranthene	22.431	252	18938m	0.461	ng/ul	
25) Benzo(k)fluoranthene	22.469	252	6509m	0.143	ng/ul	
26) Benzo(a)pyrene	22.948	252	12598m	0.316	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.064	276	9260m	0.191	ng/ul	
28) Dibenzo(a,h)anthracene	25.074	278	2122m	0.057	ng/ul	
29) Benzo(g,h,i)perylene	25.681	276	9876	0.254	ng/ul	98

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

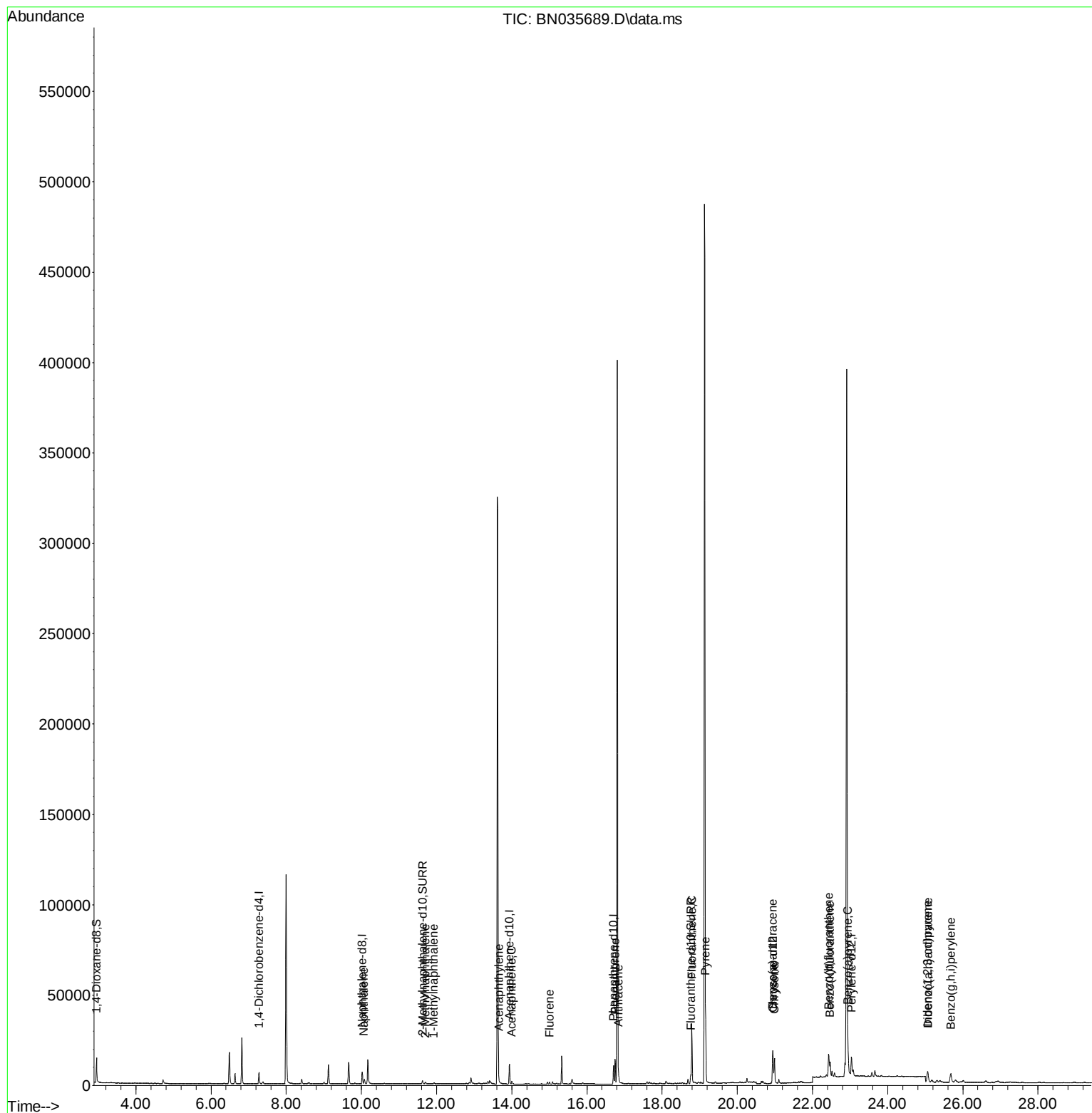
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035689.D
Acq On : 19 Dec 2024 03:06
Operator : RC/JU
Sample : P5258-16
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X9

Manual IntegrationsAPPROVED

Quant Time: Dec 19 03:40:08 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 12/24/2024
Supervised By :mohammad ahmed 12/24/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.276	152	2971	0.400	ng/ul	0.00
4) Naphthalene-d8	10.020	136	8227	0.400	ng/ul	-0.01
9) Acenaphthene-d10	13.939	164	5973	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.709	188	12104	0.400	ng/ul	0.00
17) Chrysene-d12	20.955	240	10877	0.400	ng/ul	0.00
23) Perylene-d12	23.039	264	13947	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	9195	3.491	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.626	152	2560	0.218	ng/ul	-0.01
18) Fluoranthene-d10	18.763	212	5516	0.174	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.069	128	727m	0.036	ng/ul	
7) 2-Methylnaphthalene	11.703	142	607	0.045	ng/ul	100
8) 1-Methylnaphthalene	11.928	142	472	0.034	ng/ul	97
10) Acenaphthylene	13.653	152	549	0.024	ng/ul#	58
11) Acenaphthene	14.004	153	943	0.054	ng/ul	97
12) Fluorene	15.003	166	639	0.031	ng/ul#	93
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