

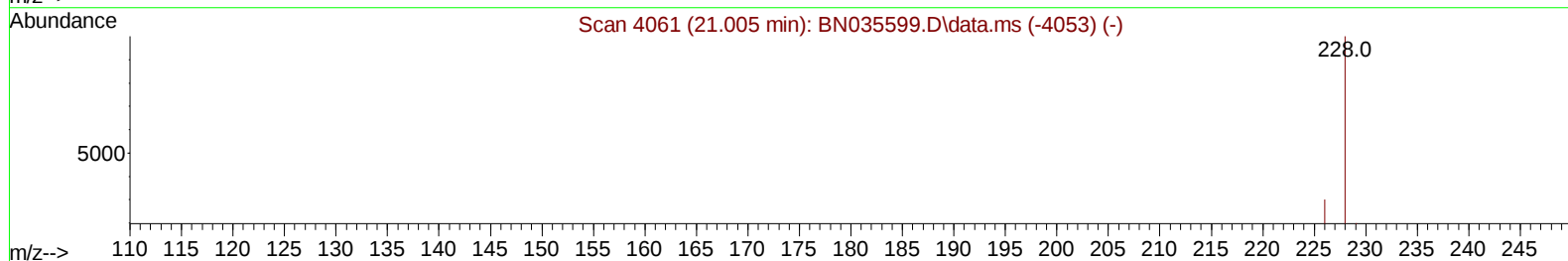
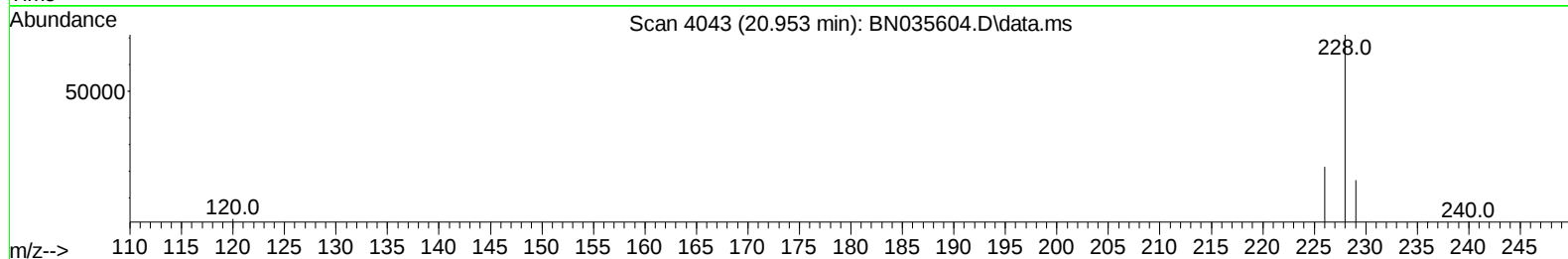
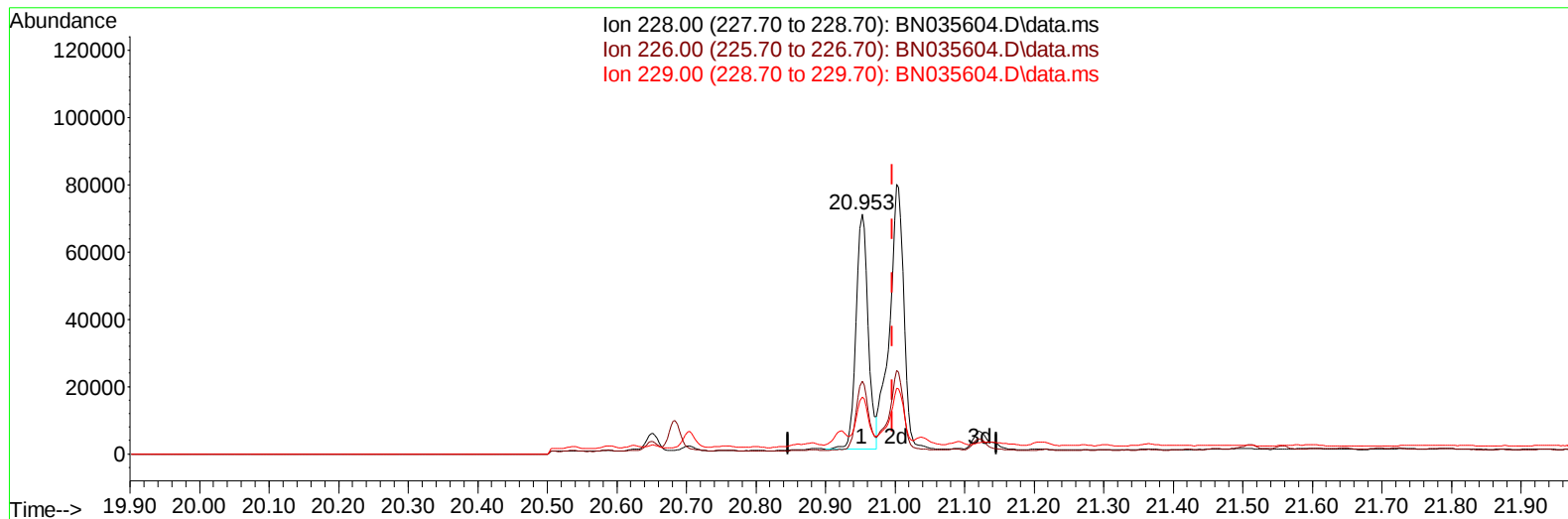
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(22) Chrysene

20.953min (-0.044) 4.71 ng/u1

response 84983

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.90	30.40
229.00	20.00	23.66
0.00	0.00	0.00

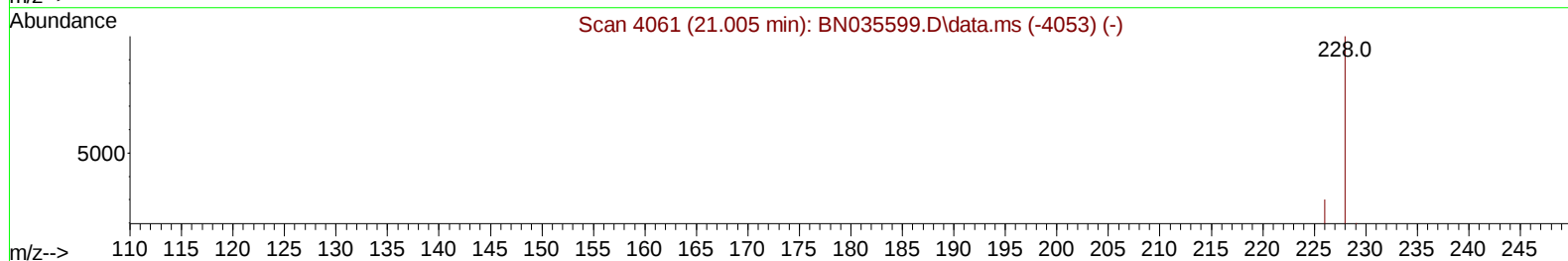
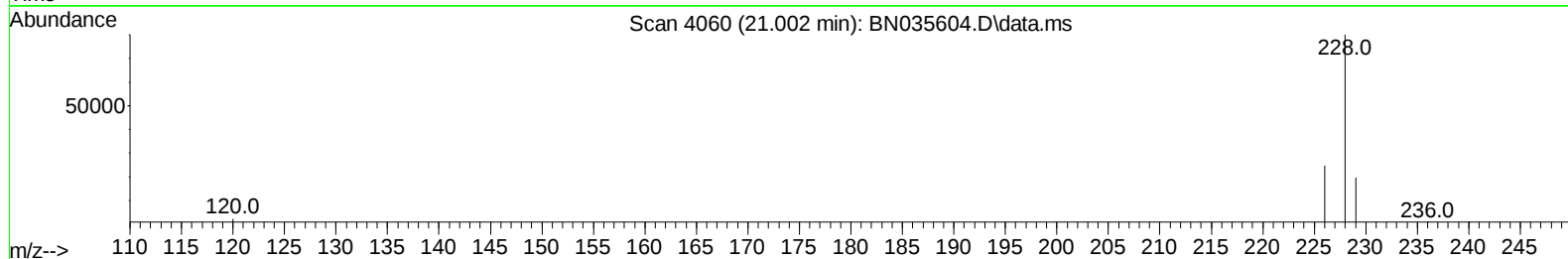
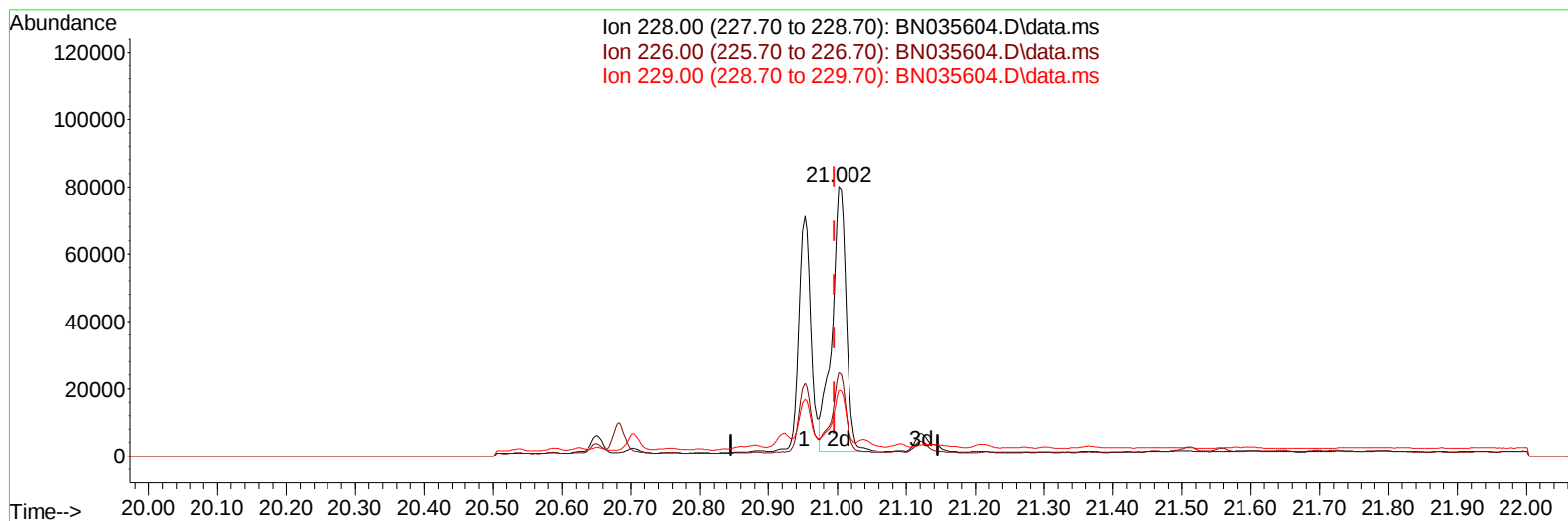
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035604.D
 Acq On : 13 Dec 2024 19:31
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(22) Chrysene

21.002min (+ 0.006) 6.28 ng/u1 m

response 113365

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.90	30.94
229.00	20.00	24.50#
0.00	0.00	0.00

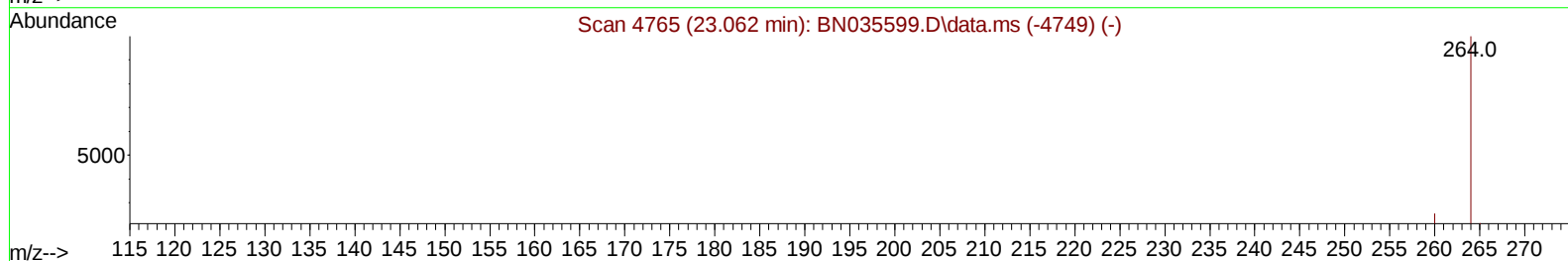
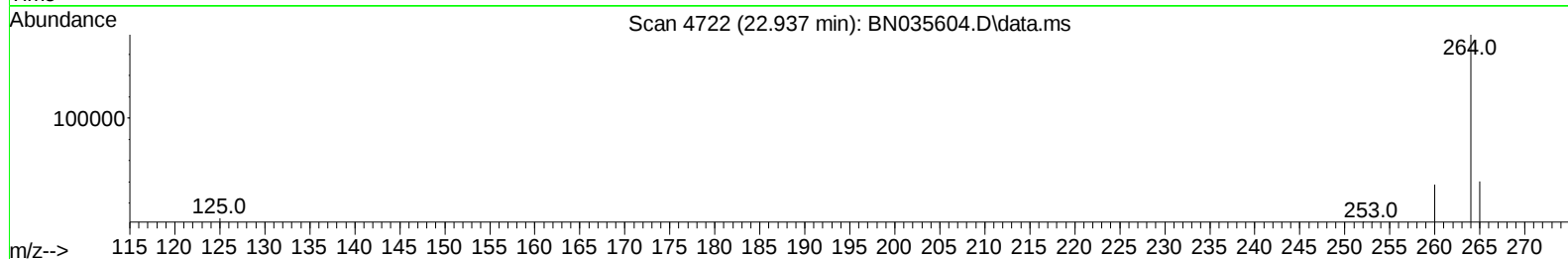
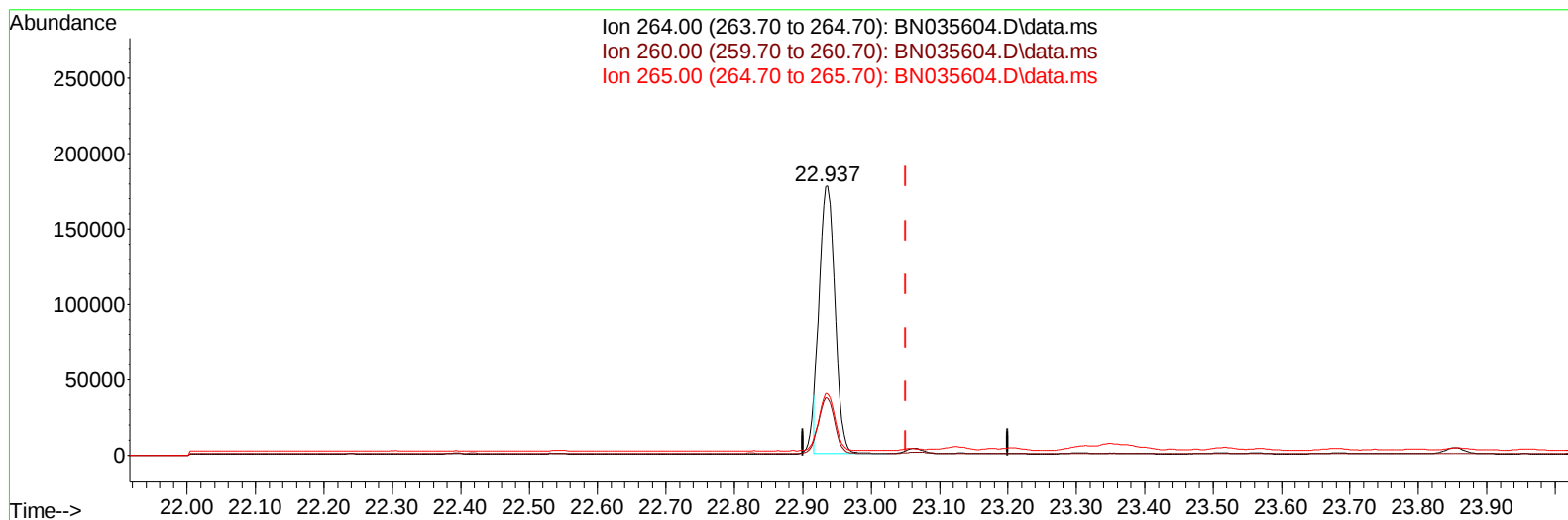
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(23) Perylene-d12 (I)

22.937min (-0.114) 0.40 ng/u1

response 279871

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.18
265.00	75.50	22.79#
0.00	0.00	0.00

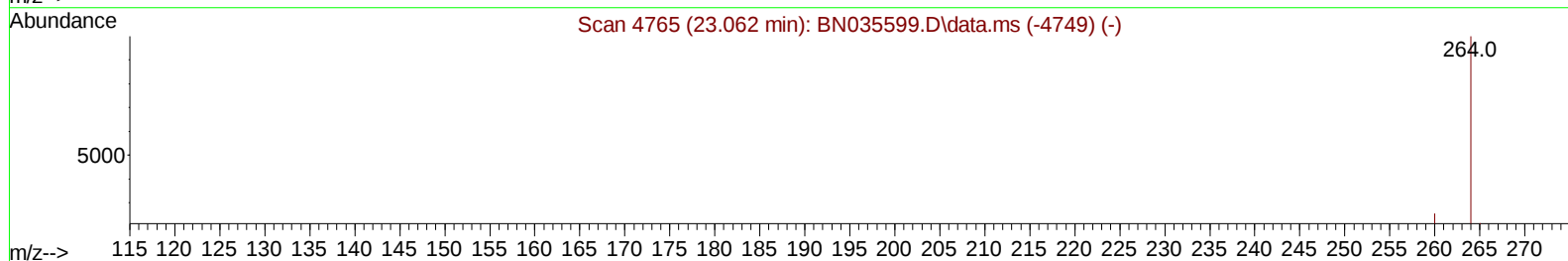
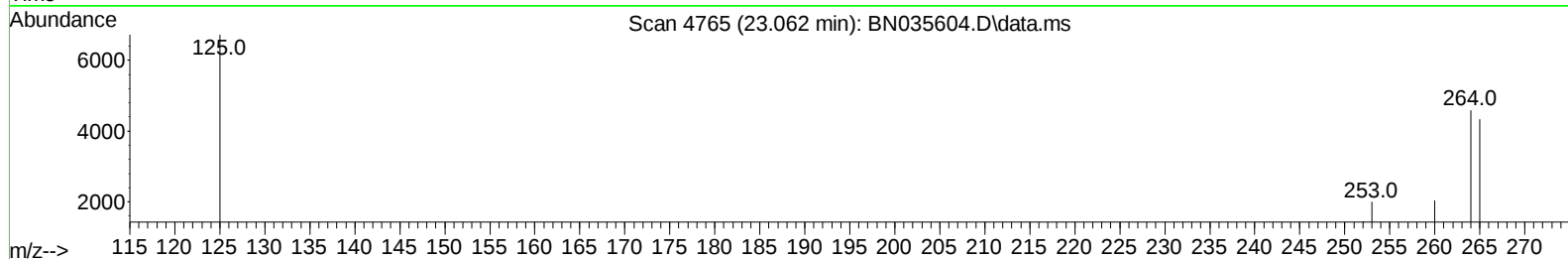
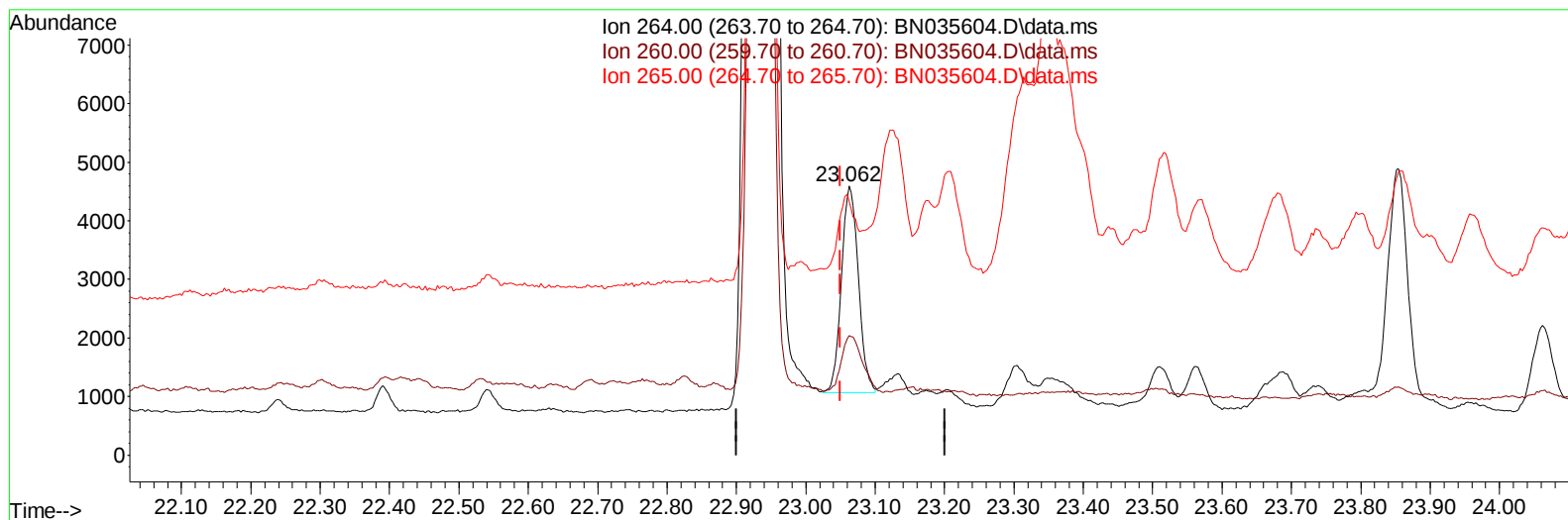
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(23) Perylene-d12 (I)

23.062min (+ 0.012) 0.40 ng/ul m

response 5948

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	44.56#
265.00	75.50	94.27#
0.00	0.00	0.00

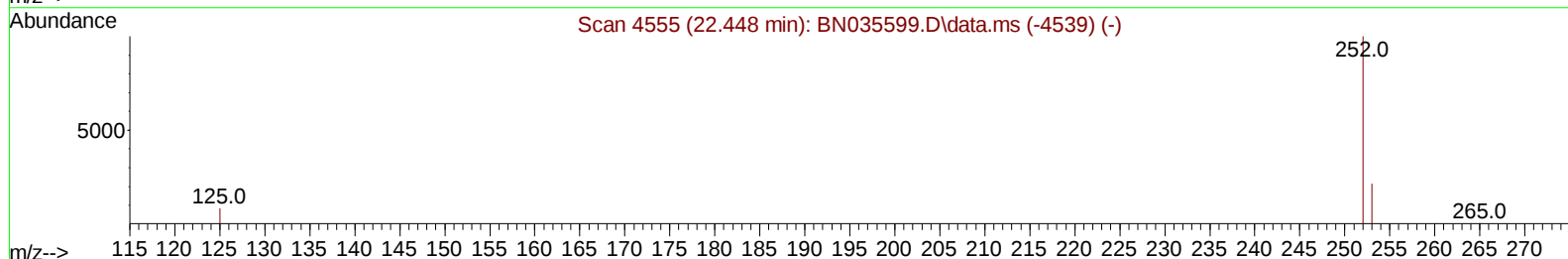
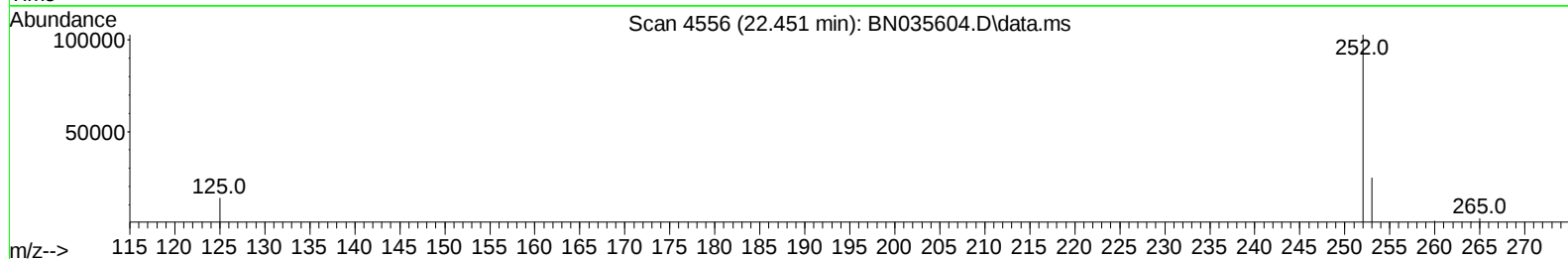
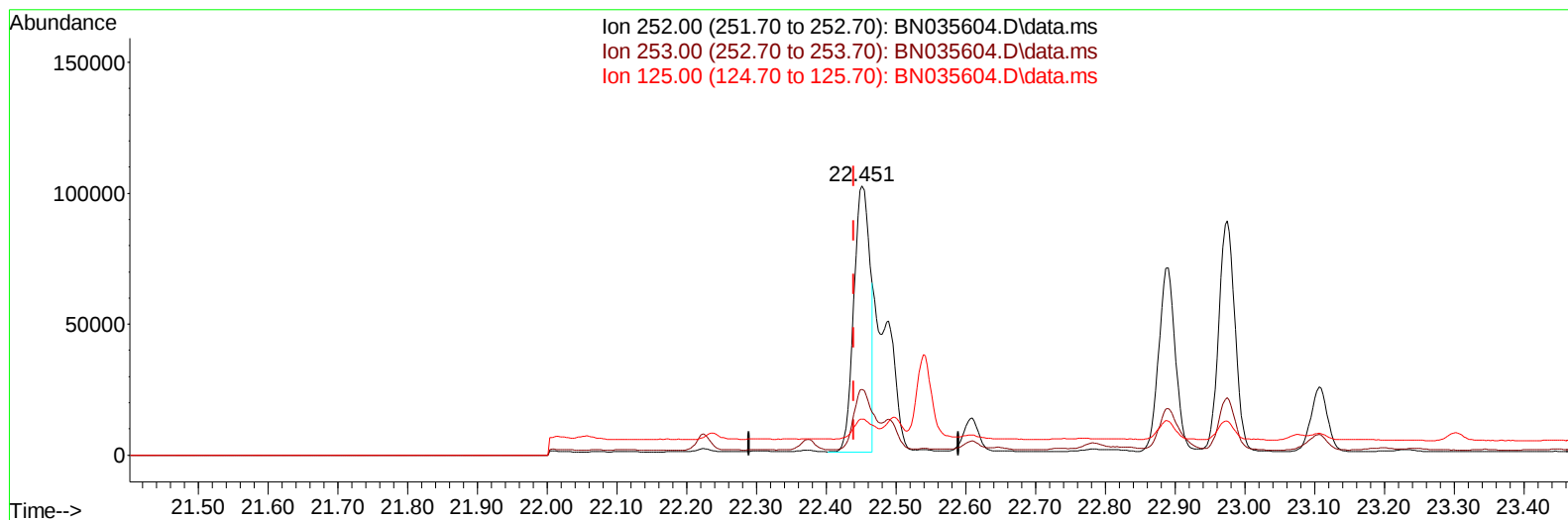
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(24) Benzo(b)fluoranthene

22.451min (+ 0.012) 8.33 ng/u1

response 163855

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.39
125.00	9.70	13.44
0.00	0.00	0.00

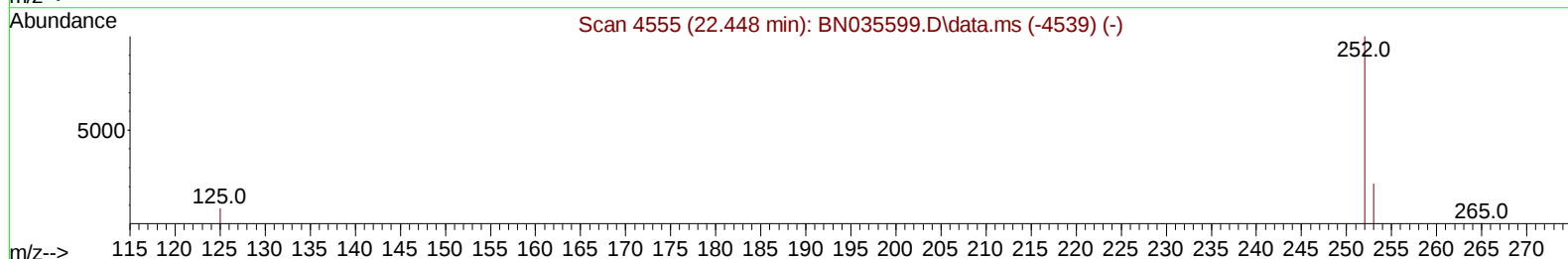
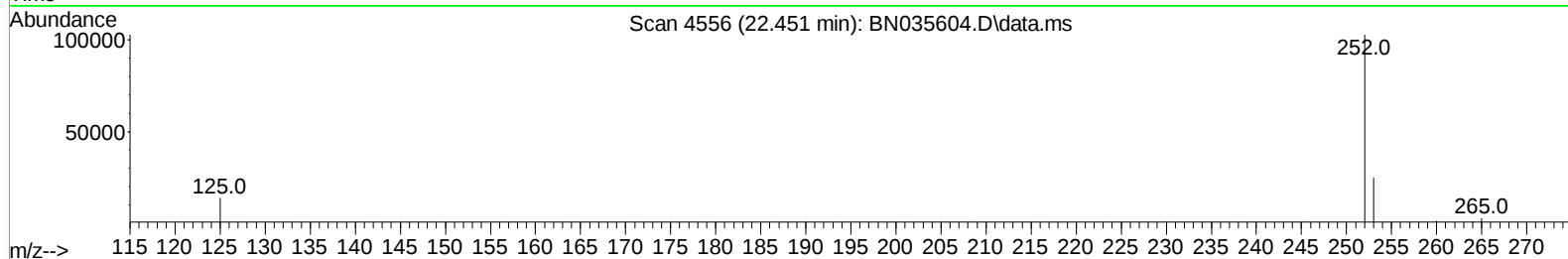
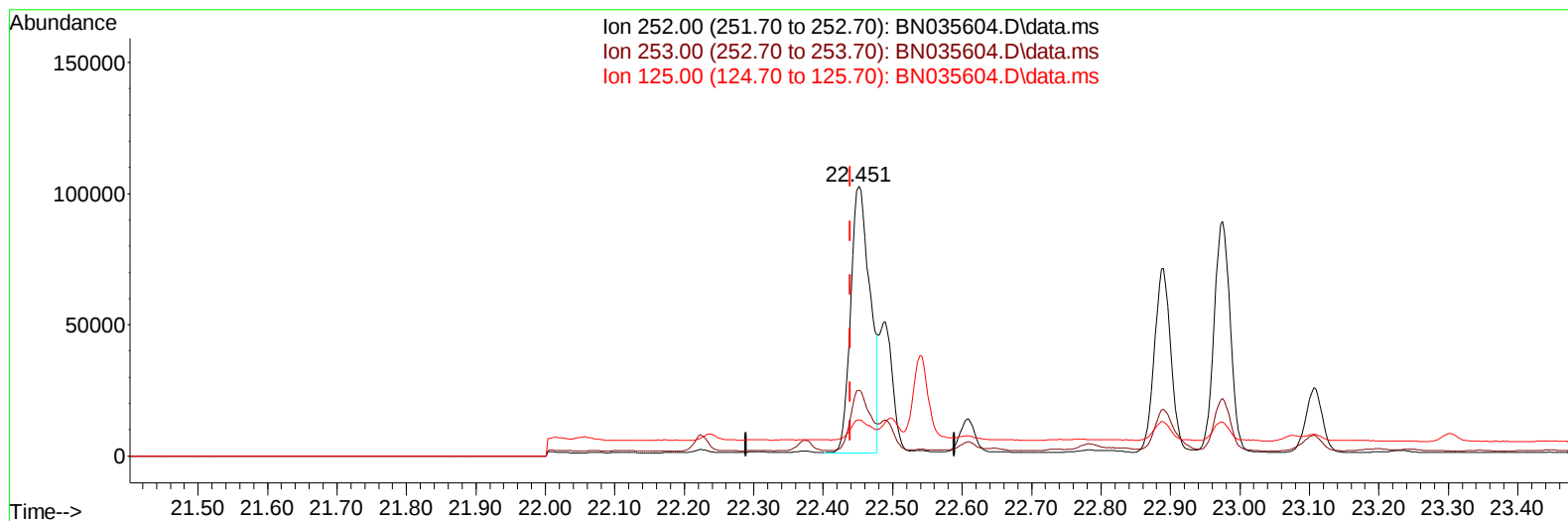
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Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(24) Benzo(b)fluoranthene

22.451min (+ 0.012) 10.16 ng/ul m

response 199822

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.39
125.00	9.70	13.44
0.00	0.00	0.00

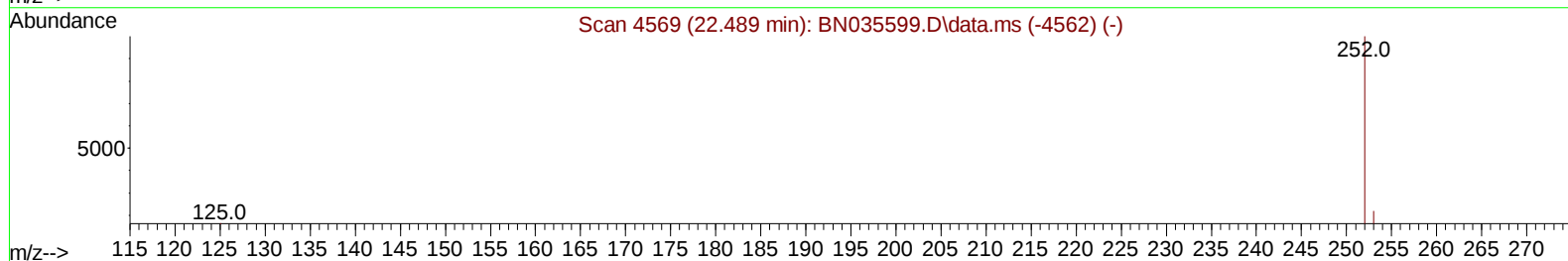
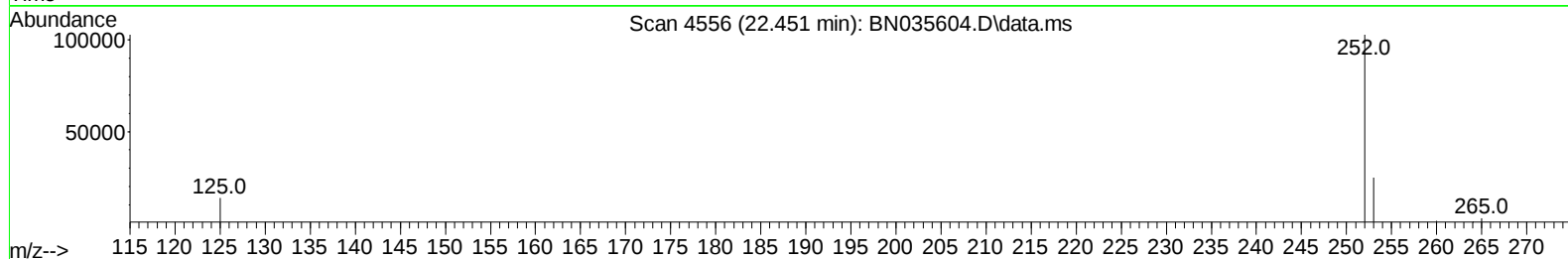
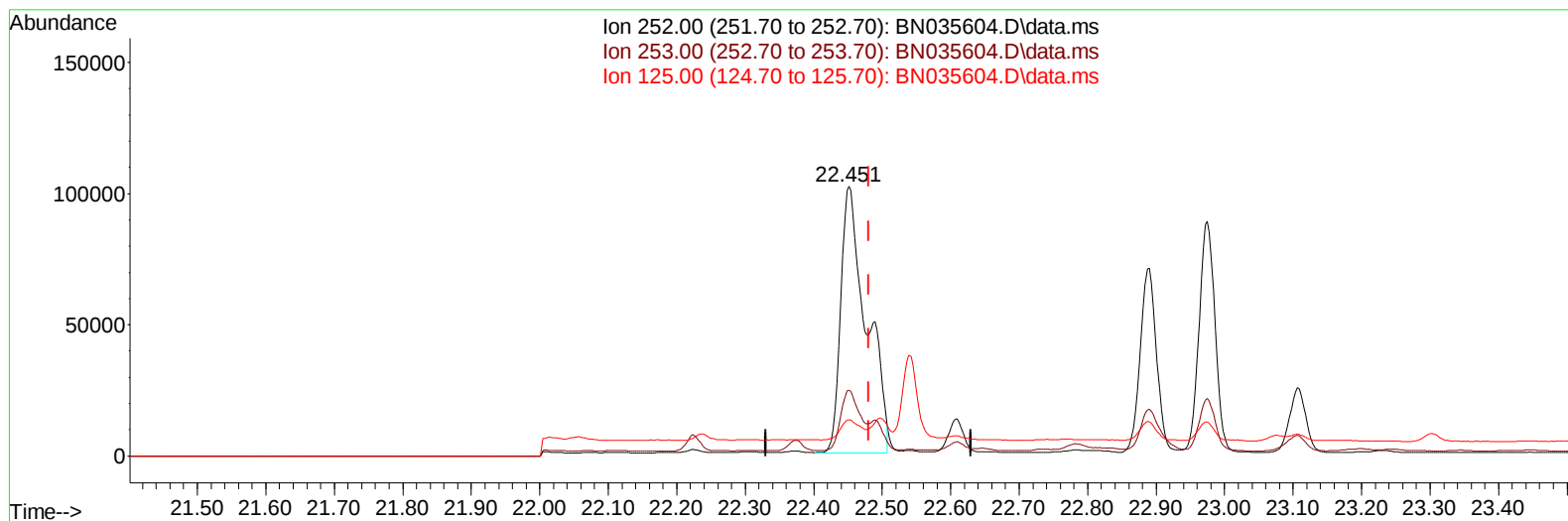
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(25) Benzo(k)fluoranthene

22.451min (-0.029) 12.97 ng/u1

response 262839

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	24.39
125.00	10.70	13.44#
0.00	0.00	0.00

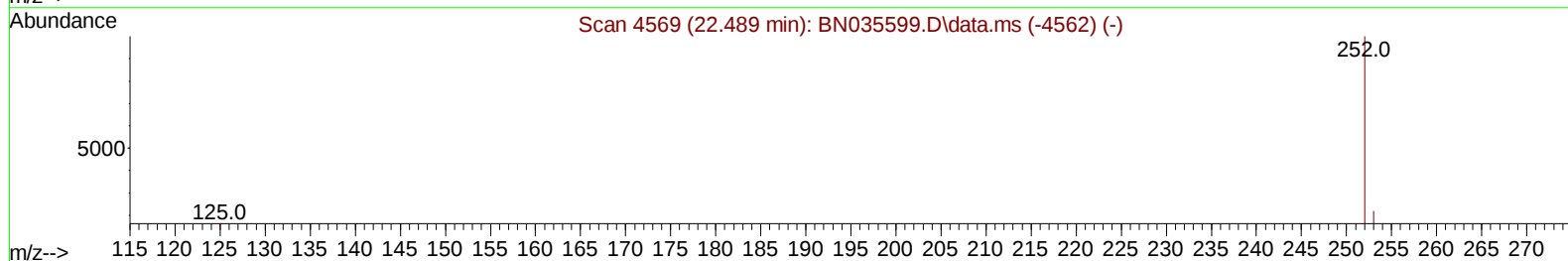
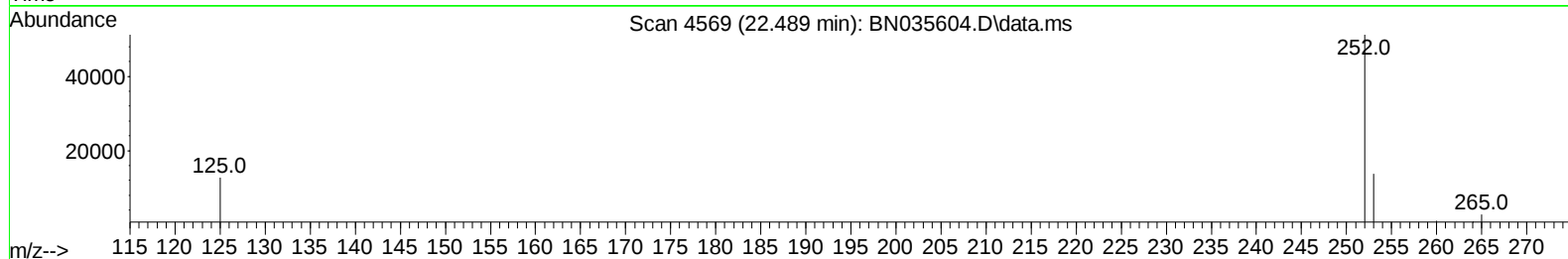
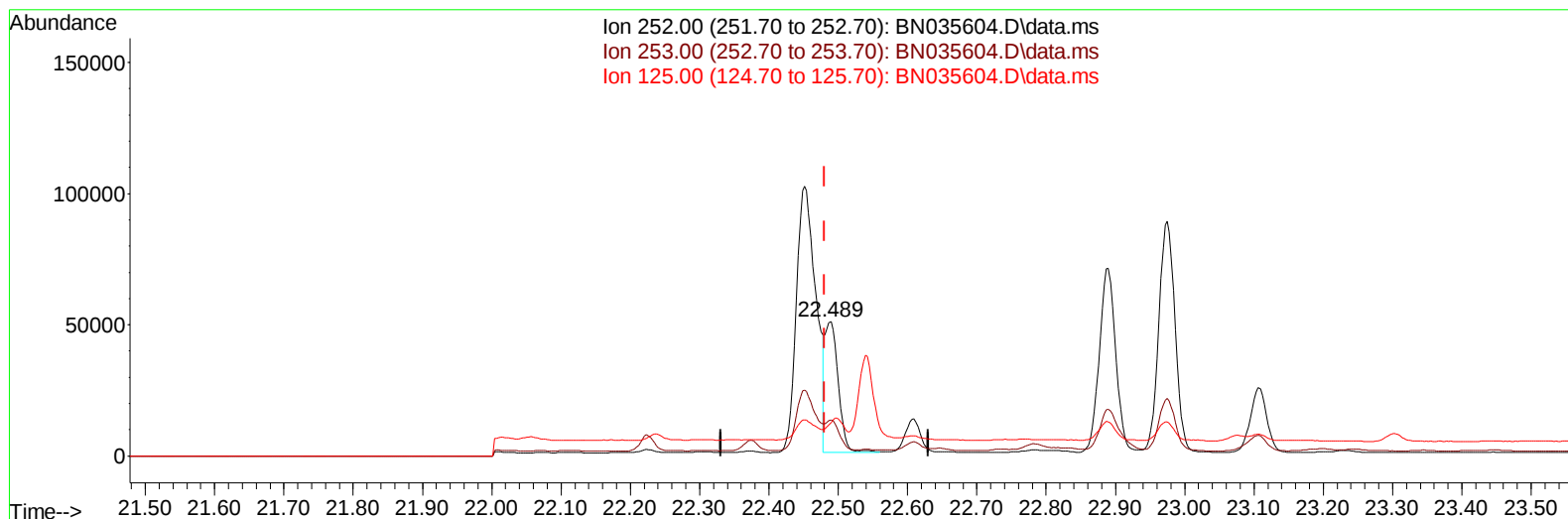
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(25) Benzo(k)fluoranthene

22.489min (+ 0.009) 3.33 ng/u1 m

response 67452

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	26.87
125.00	10.70	24.88#
0.00	0.00	0.00

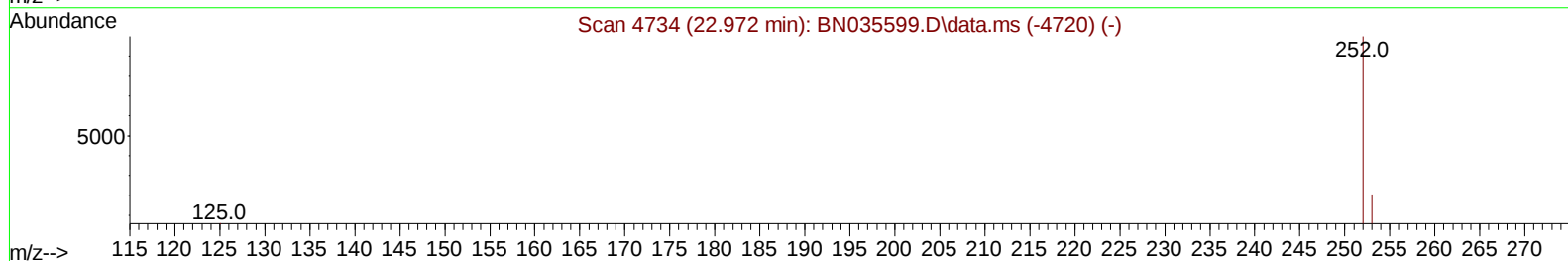
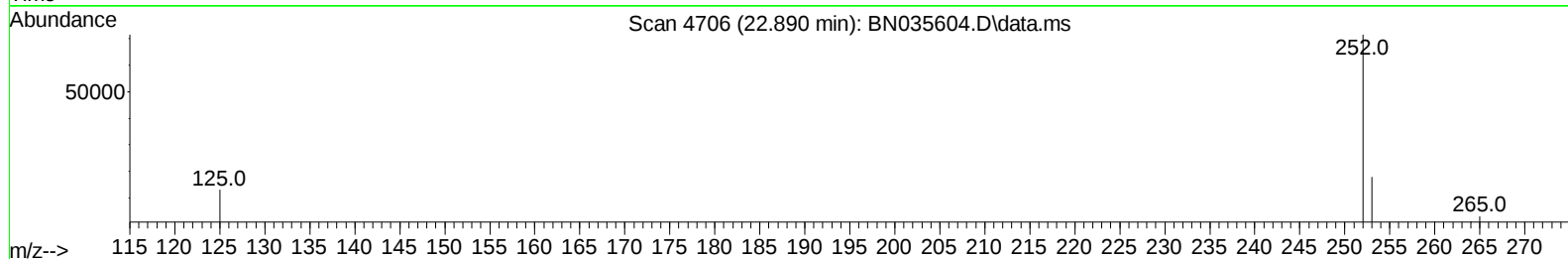
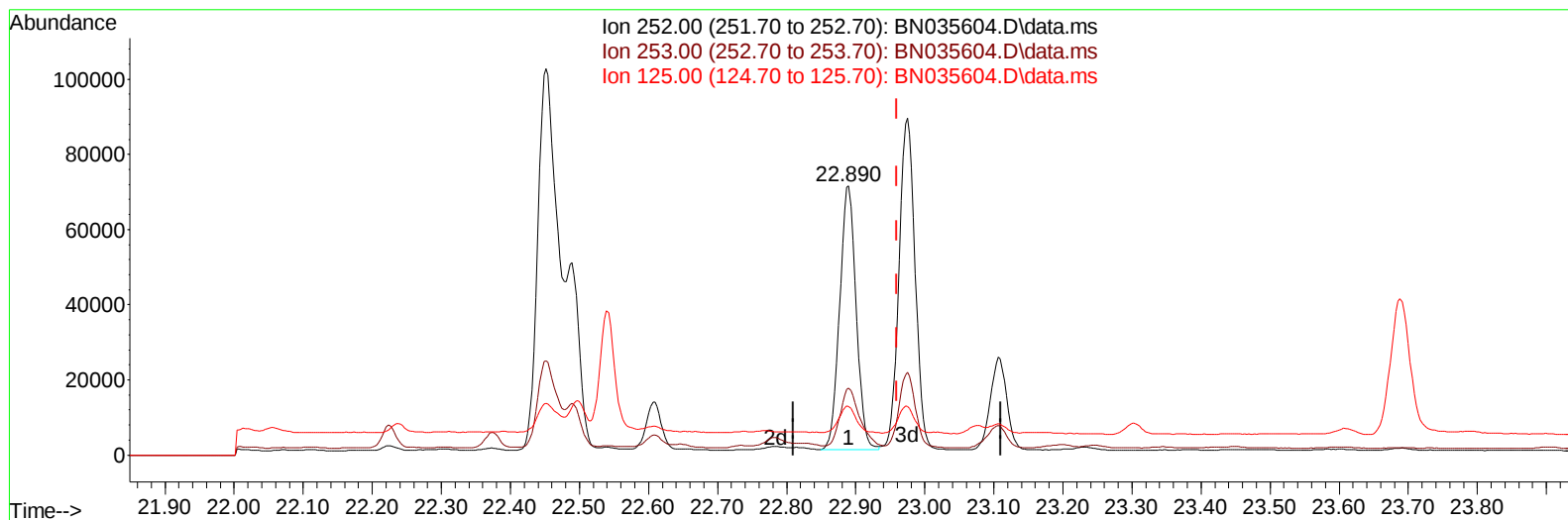
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(26) Benzo(a)pyrene (C)

22.890min (-0.070) 6.45 ng/u1

response 115877

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	24.98
125.00	11.80	18.17#
0.00	0.00	0.00

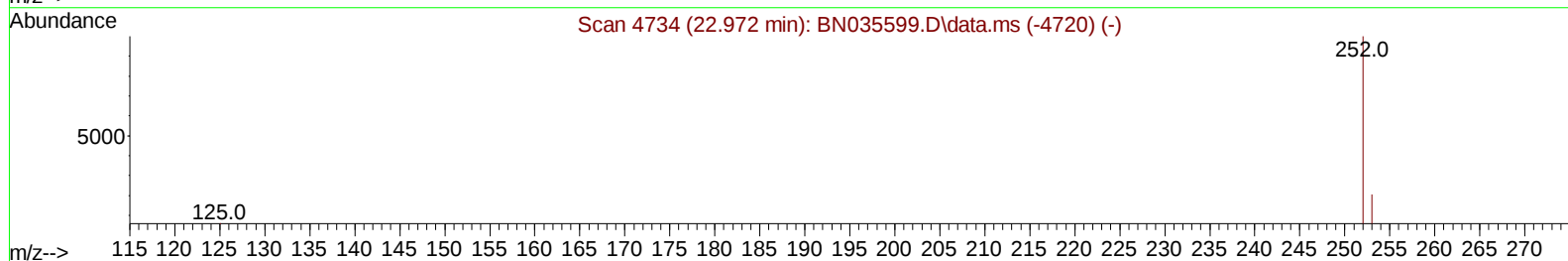
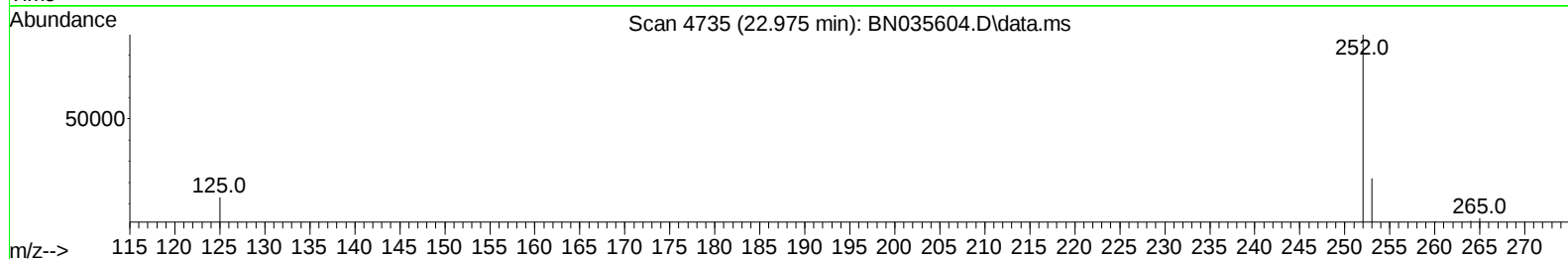
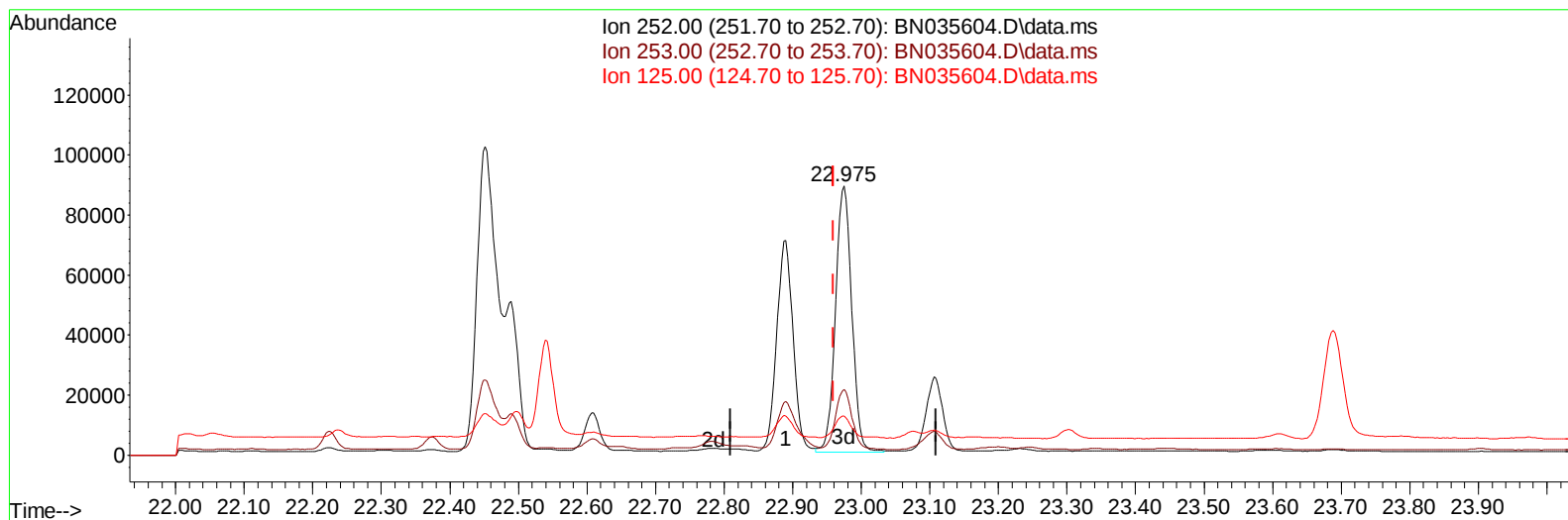
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
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QLast Update : Tue Dec 10 16:10:57 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(26) Benzo(a)pyrene (C)

22.975min (+ 0.015) 8.10 ng/u1 m

response 145554

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	24.54
125.00	11.80	14.41#
0.00	0.00	0.00

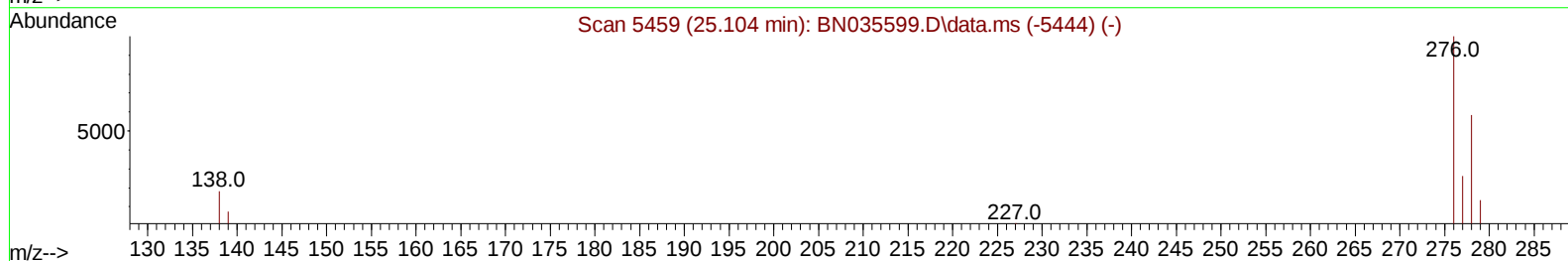
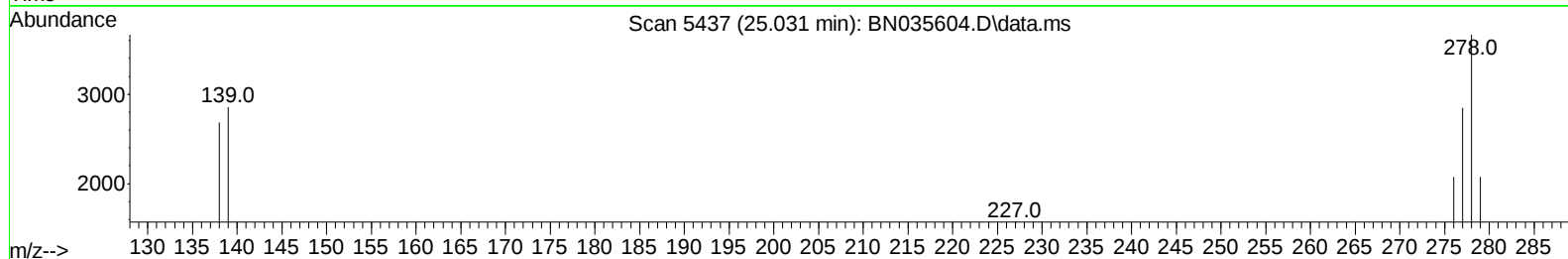
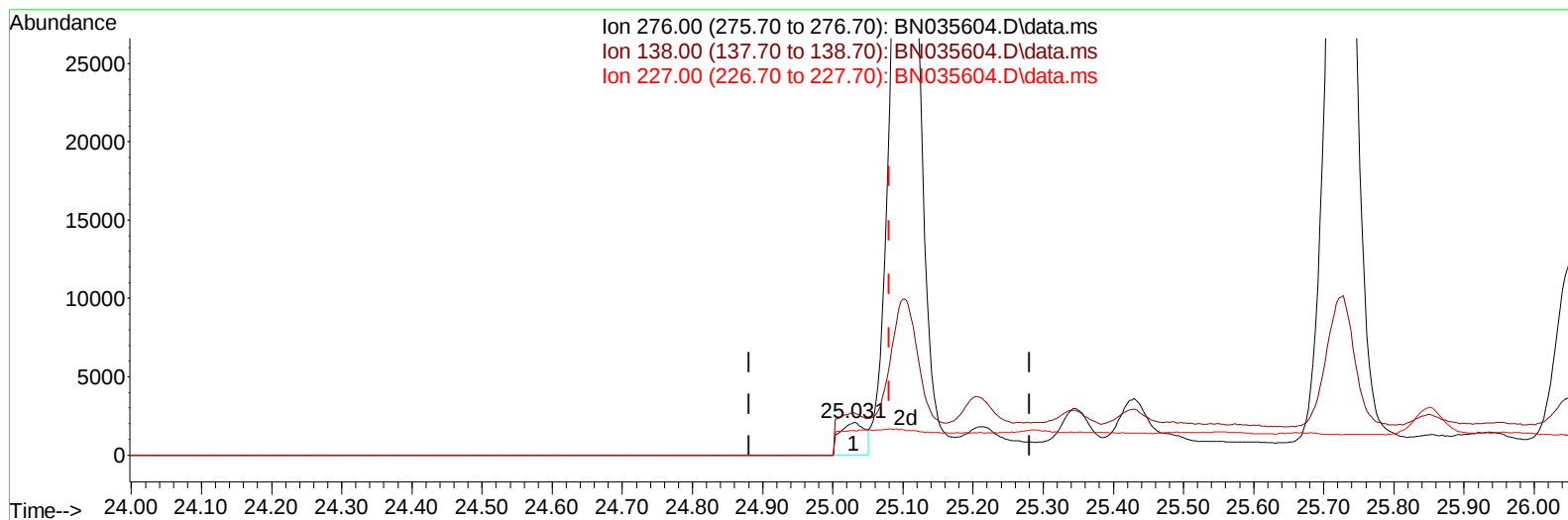
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

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TIC: BN035604.D\data.ms

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

25.031min (-0.050) 0.21 ng/u1

response 5170

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	171.84#
227.00	0.30	0.00#
0.00	0.00	0.00

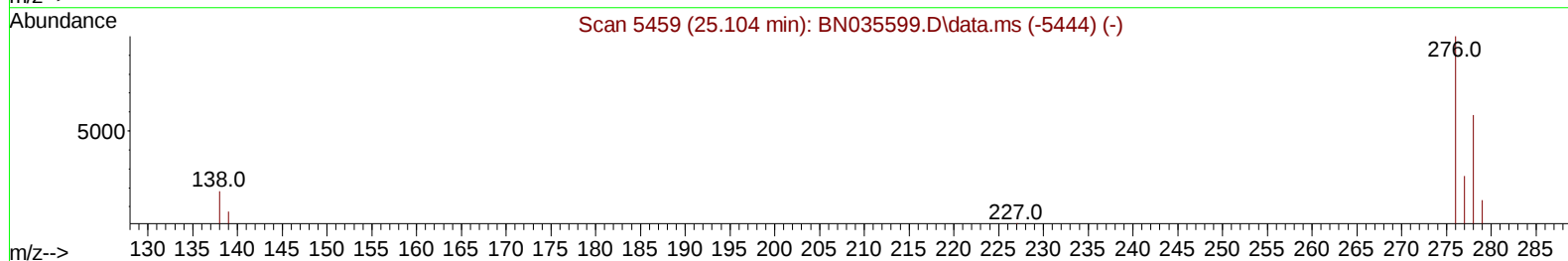
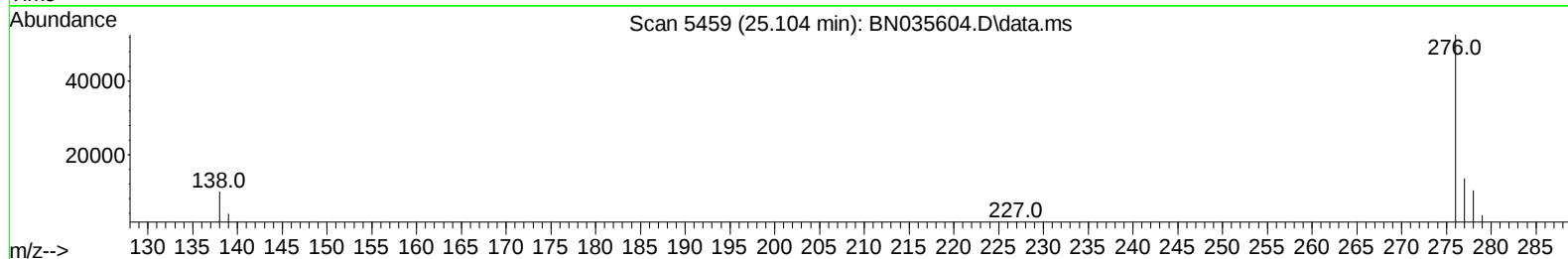
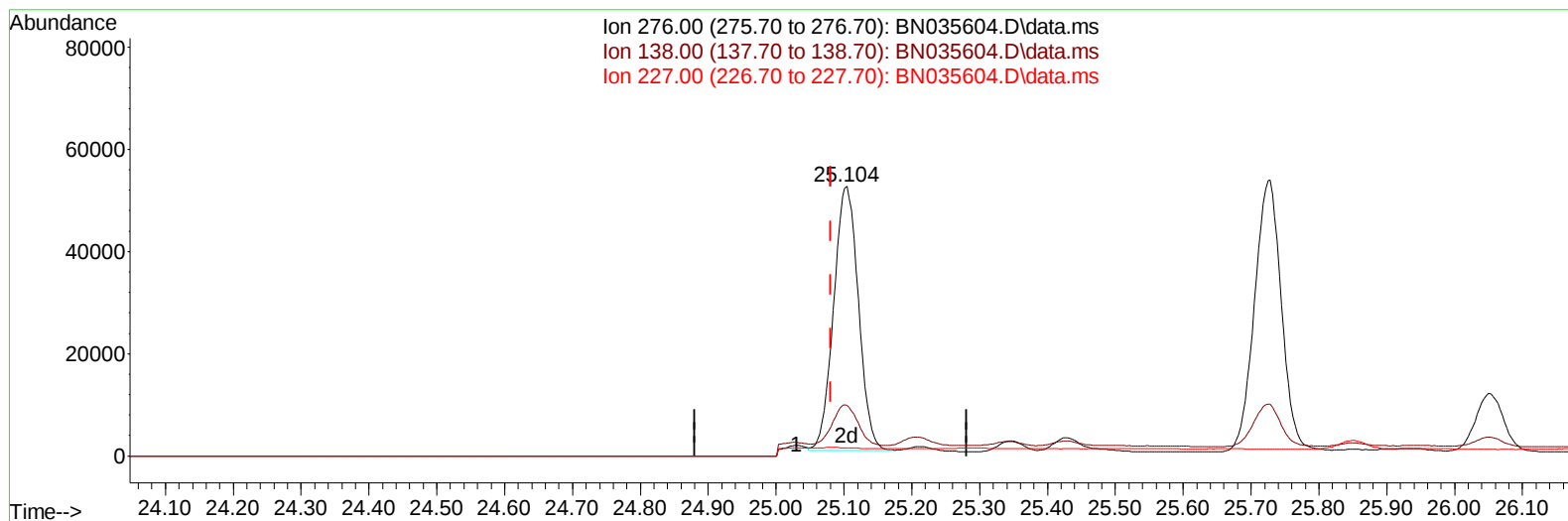
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

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

25.104min (+ 0.024) 5.40 ng/u1 m

response 131139

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	6.77#
227.00	0.30	0.00#
0.00	0.00	0.00

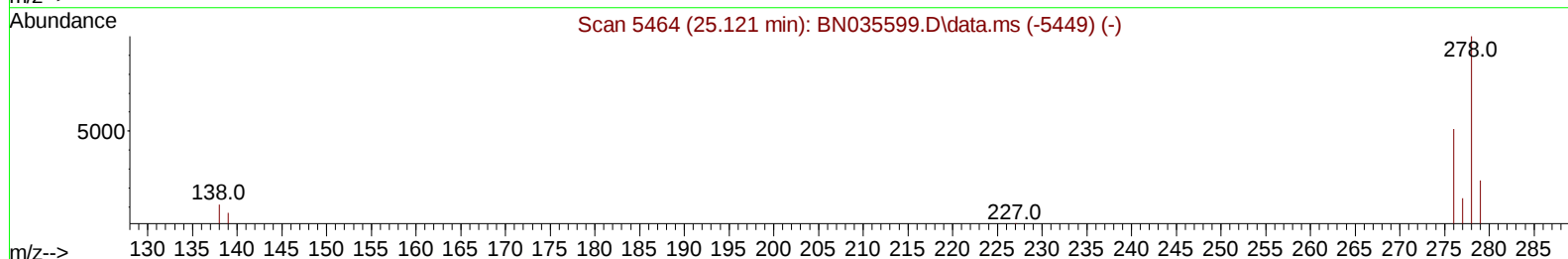
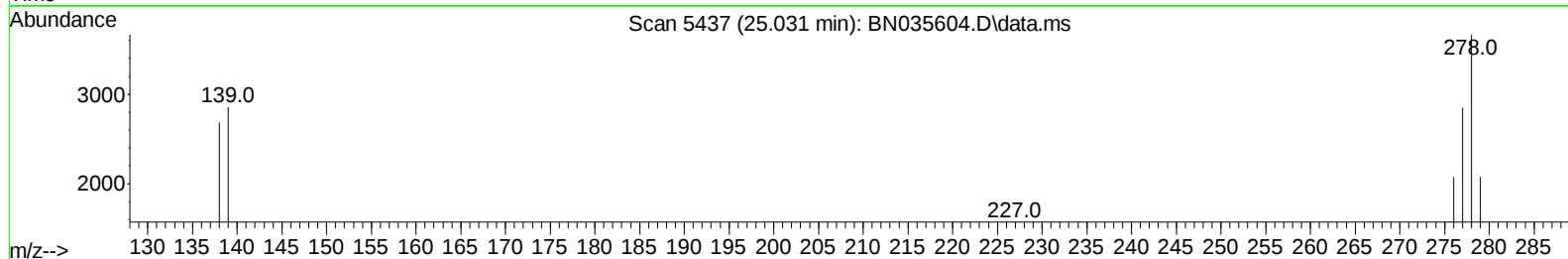
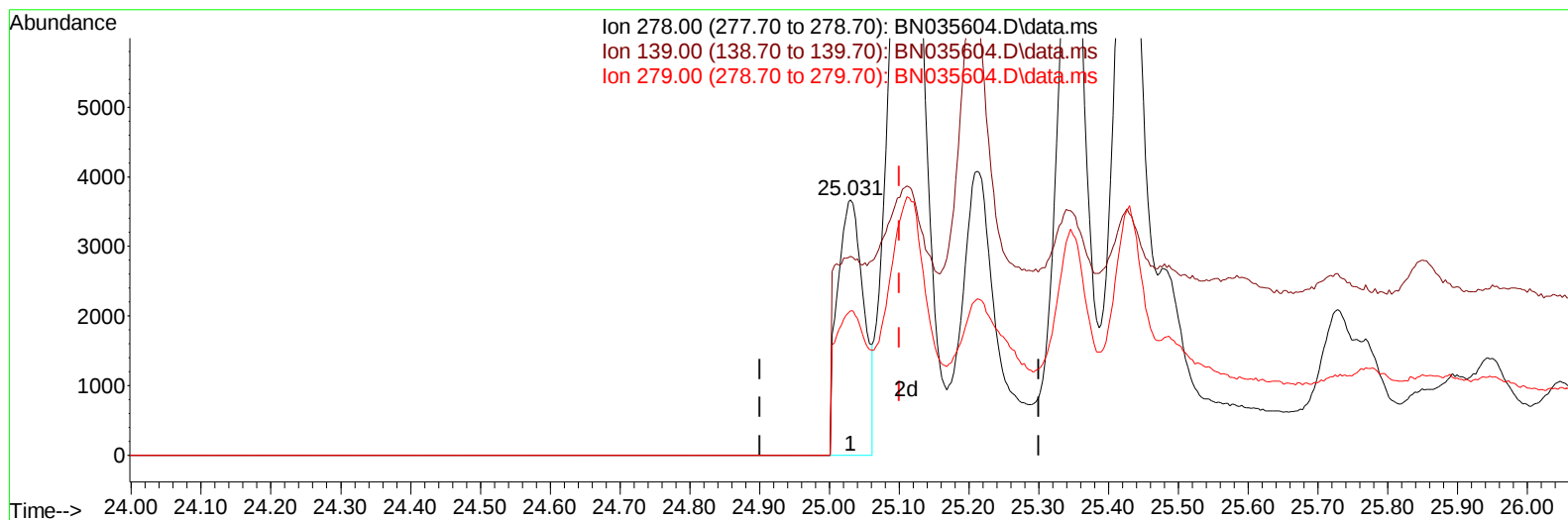
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(28) Dibenzo(a,h)anthracene

25.031min (-0.070) 0.50 ng/u1

response 9443

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	77.96#
279.00	28.50	56.66#
0.00	0.00	0.00

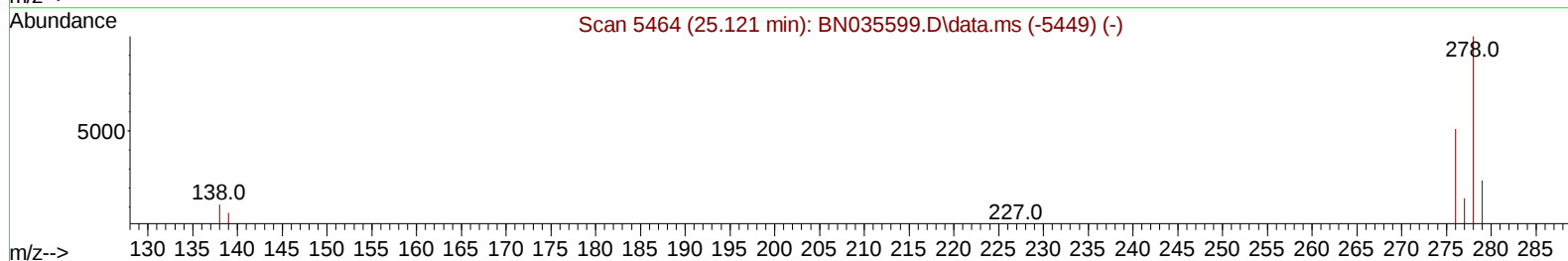
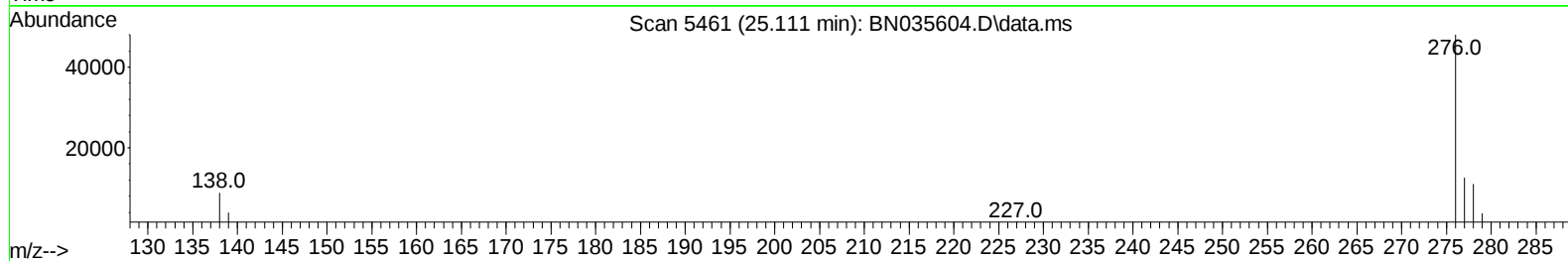
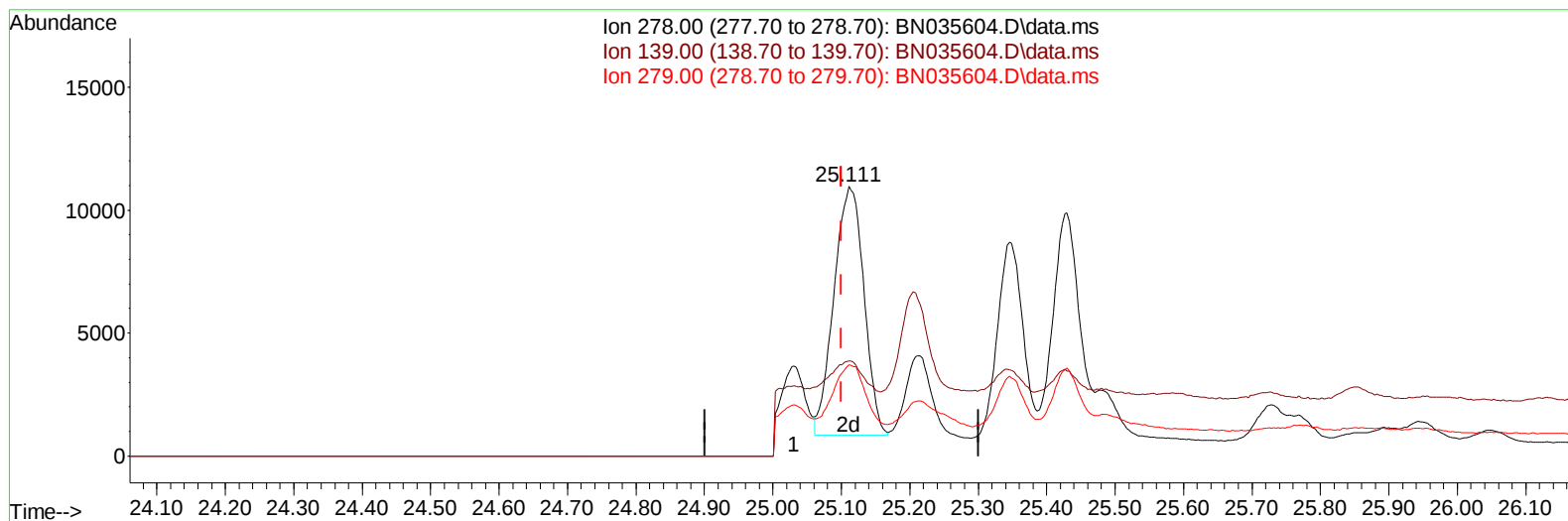
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

(28) Dibenzo(a,h)anthracene

25.111min (+ 0.010) 1.62 ng/ul m

response 30739

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	35.26#
279.00	28.50	33.84
0.00	0.00	0.00

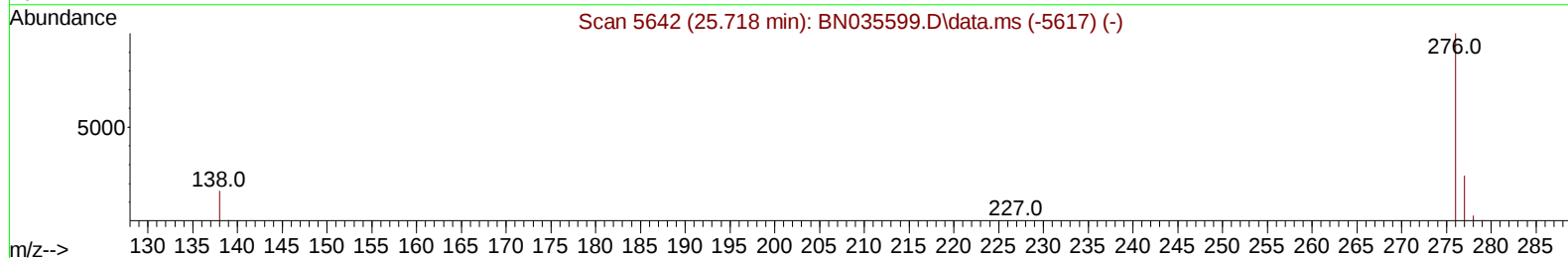
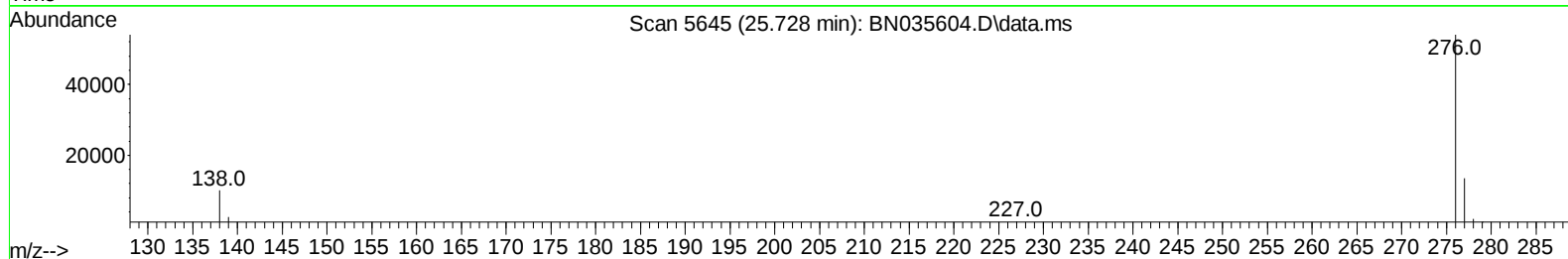
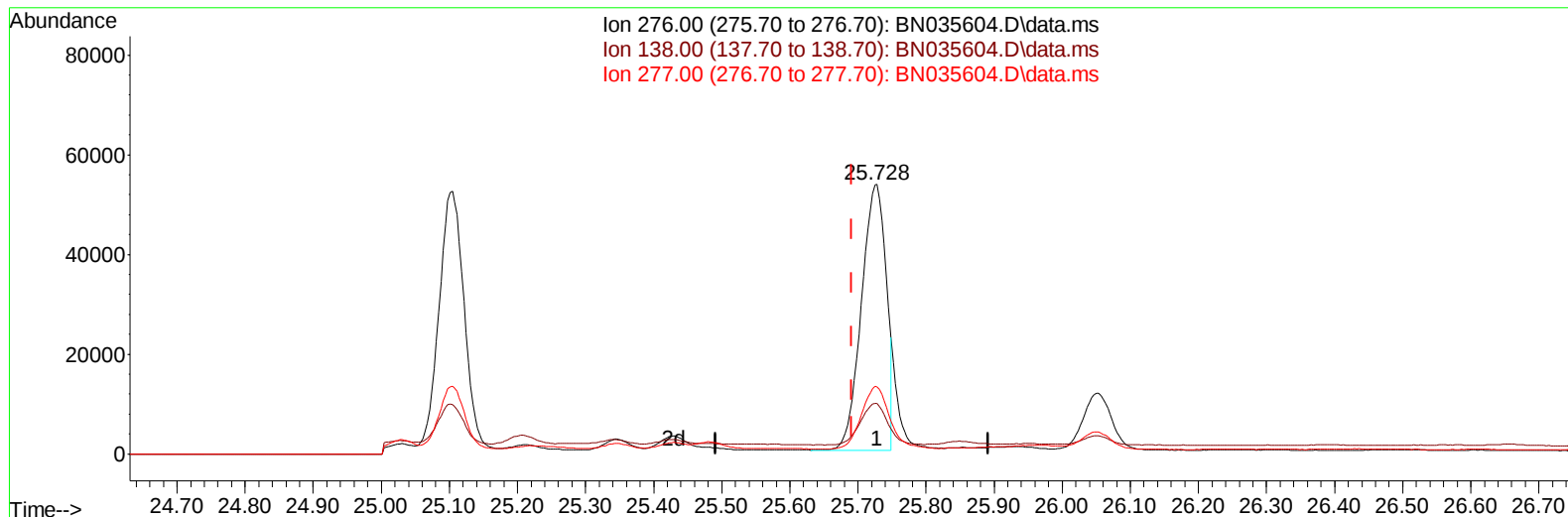
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

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TIC: BN035604.D\data.ms

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

25.728min (+ 0.037) 7.00 ng/u1

response 133843

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	18.84
277.00	25.60	25.00
0.00	0.00	0.00

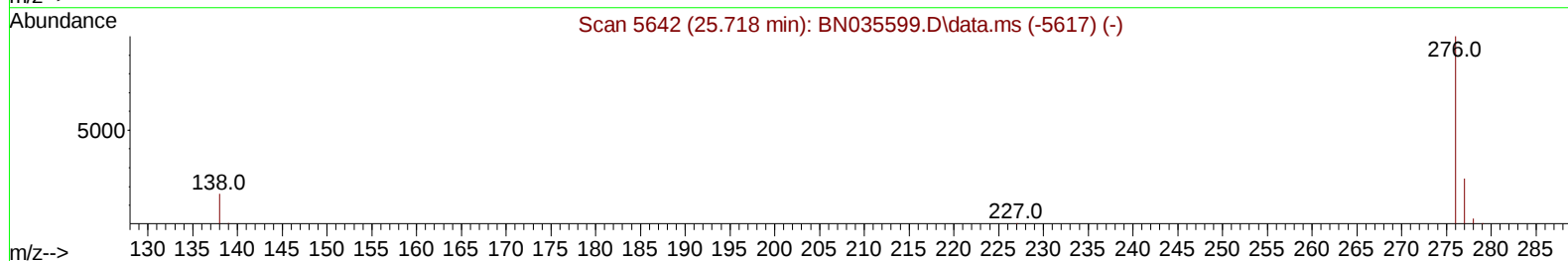
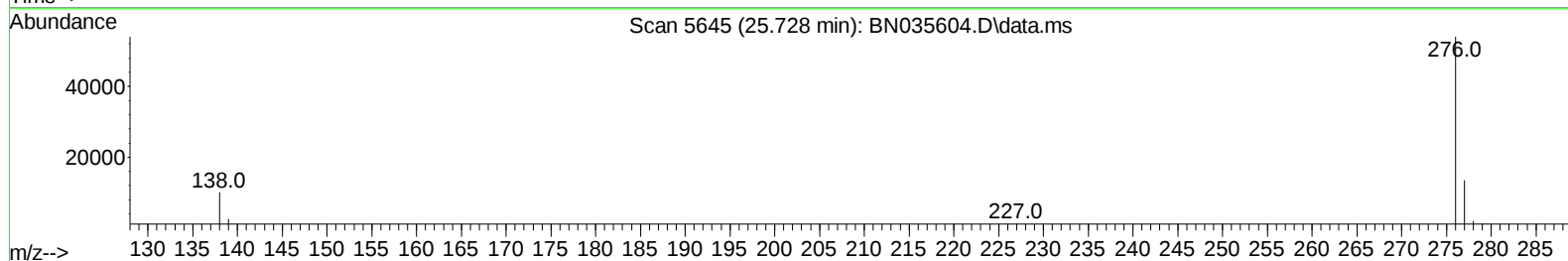
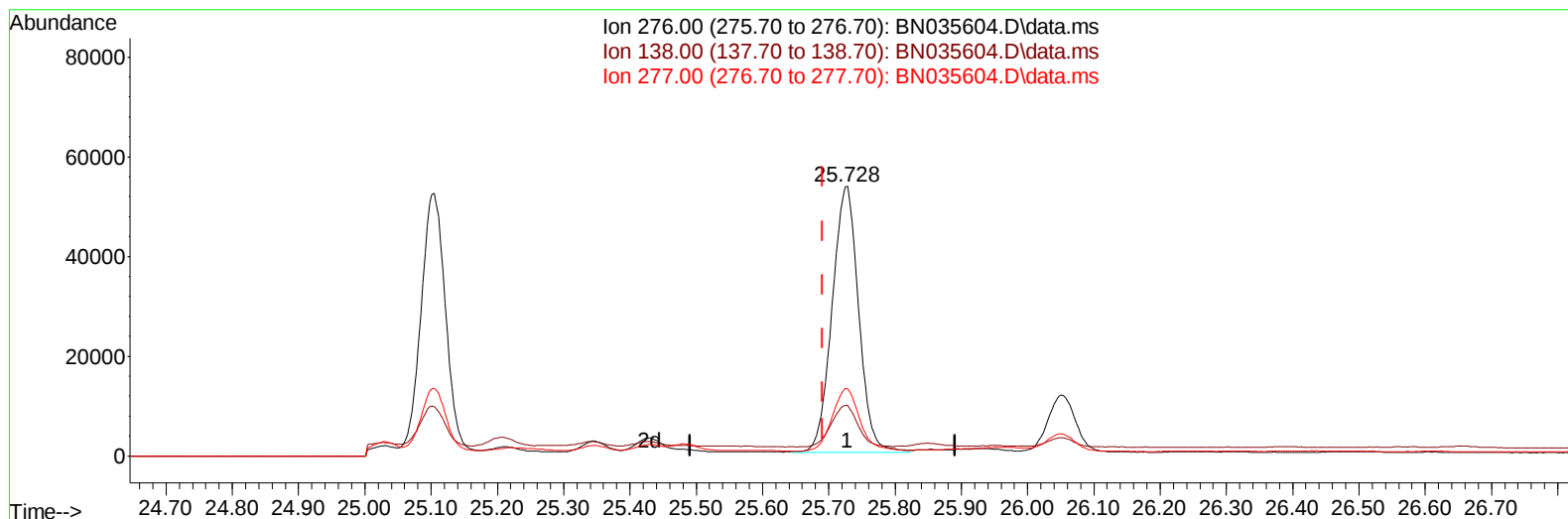
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
Acq On : 13 Dec 2024 19:31
Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:06:55 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 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035604.D\data.ms

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

25.728min (+ 0.037) 7.76 ng/u1 m

response 148482

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	18.84
277.00	25.60	25.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035604.D
 Acq On : 13 Dec 2024 19:31
 Operator : RC/JU
 Sample : P5153-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28R3

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/14/2024
 Supervised By :mohammad ahmed 12/14/2024

Quant Time: Dec 13 21:06:55 2024
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 QLast Update : Tue Dec 10 16:10:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	1759	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.036	136	5560	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.953	164	3410	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.721	188	6531	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.970	240	5172	0.400	ng/ul	# 0.00
23) Perylene-d12	23.062	264	5948m	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.963	96	7148	4.446	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	1822	0.224	ng/ul	0.00
18) Fluoranthene-d10	18.777	212	4288	0.301	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.086	128	38573	2.754	ng/ul	98
7) 2-Methylnaphthalene	11.719	142	18193	1.873	ng/ul	98
8) 1-Methylnaphthalene	11.945	142	6586	0.672	ng/ul	98
10) Acenaphthylene	13.667	152	5732	0.424	ng/ul#	90
11) Acenaphthene	14.018	153	1979	0.191	ng/ul	98
12) Fluorene	15.022	166	3249	0.267	ng/ul#	92
14) Pentachlorophenol	16.388	266	98	0.064	ng/ul	91
15) Phenanthrene	16.764	178	69736	4.039	ng/ul	100
16) Anthracene	16.852	178	17642	1.101	ng/ul	96
19) Fluoranthene	18.805	202	104967	5.829	ng/ul	97
20) Pyrene	19.172	202	111345	5.942	ng/ul#	95
21) Benzo(a)anthracene	20.953	228	84970	4.735	ng/ul	93
22) Chrysene	21.002	228	113365m	6.277	ng/ul	
24) Benzo(b)fluoranthene	22.451	252	199822m	10.164	ng/ul	
25) Benzo(k)fluoranthene	22.489	252	67452m	3.327	ng/ul	
26) Benzo(a)pyrene	22.975	252	145554m	8.101	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.104	276	131139m	5.404	ng/ul	
28) Dibenzo(a,h)anthracene	25.111	278	30739m	1.616	ng/ul	
29) Benzo(g,h,i)perylene	25.728	276	148482m	7.760	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035604.D
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Operator : RC/JU
Sample : P5153-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R3

Manual IntegrationsAPPROVED

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