

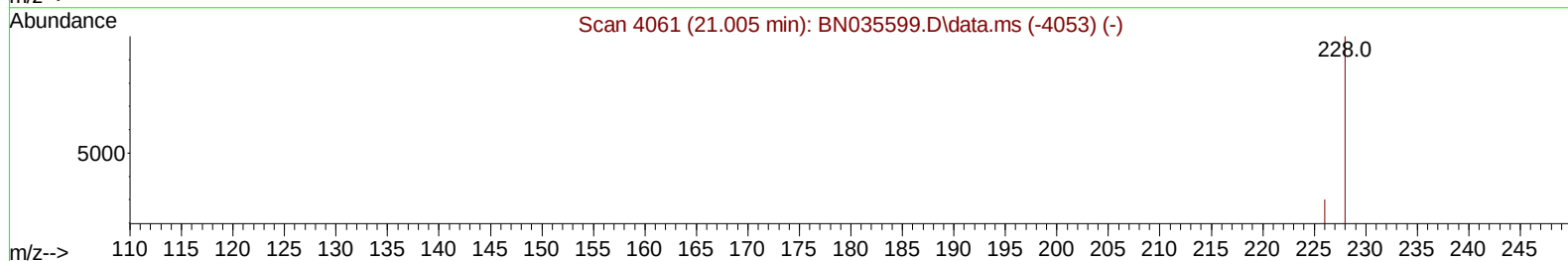
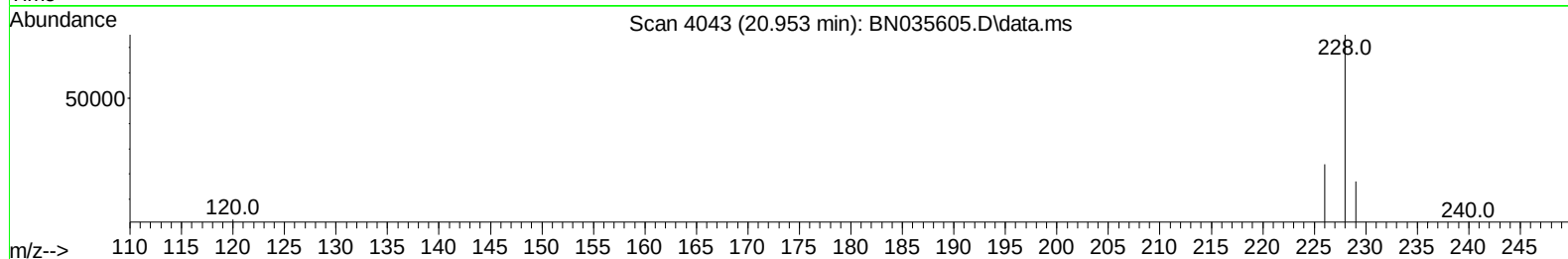
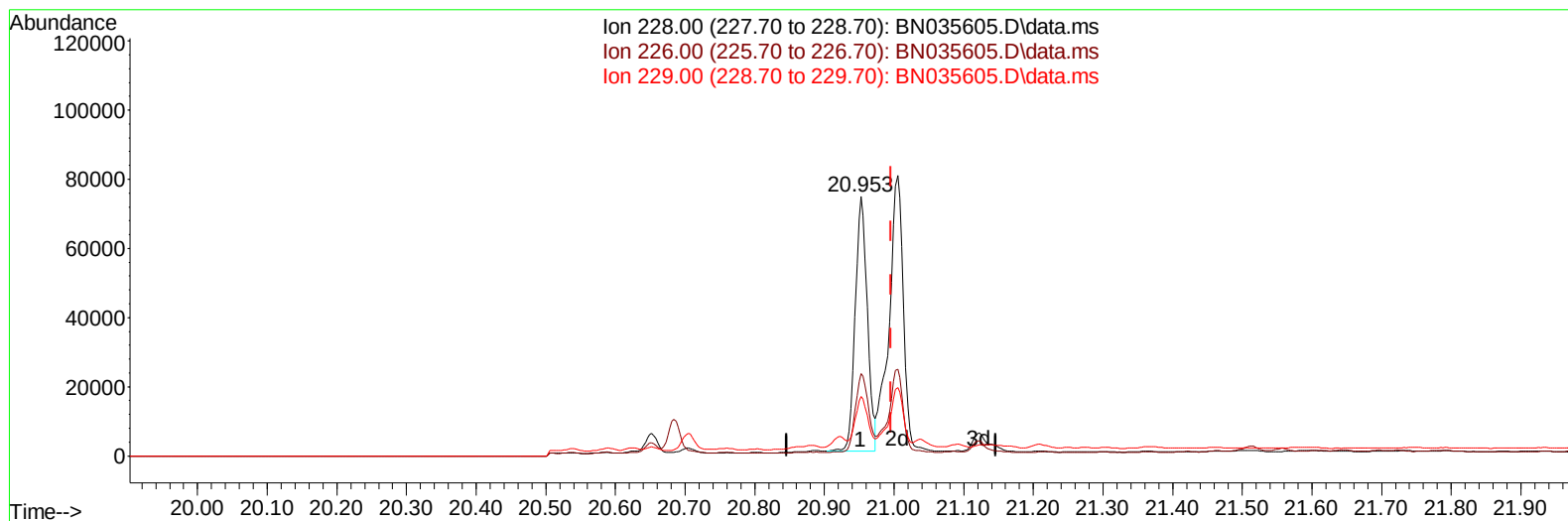
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(22) Chrysene

20.953min (-0.044) 4.17 ng/u1

response 89400

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.90	31.73
229.00	20.00	22.86
0.00	0.00	0.00

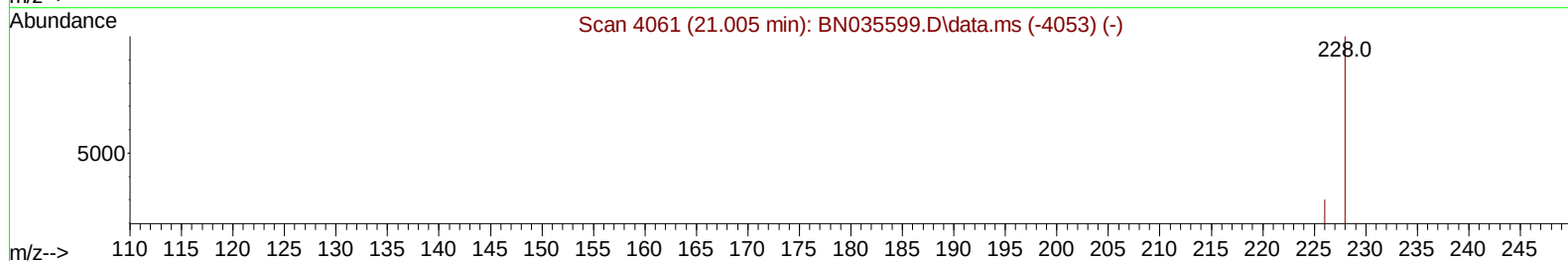
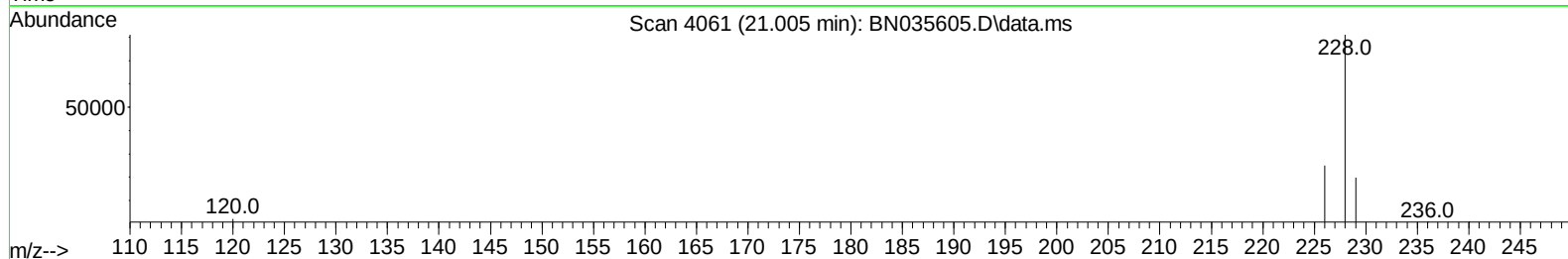
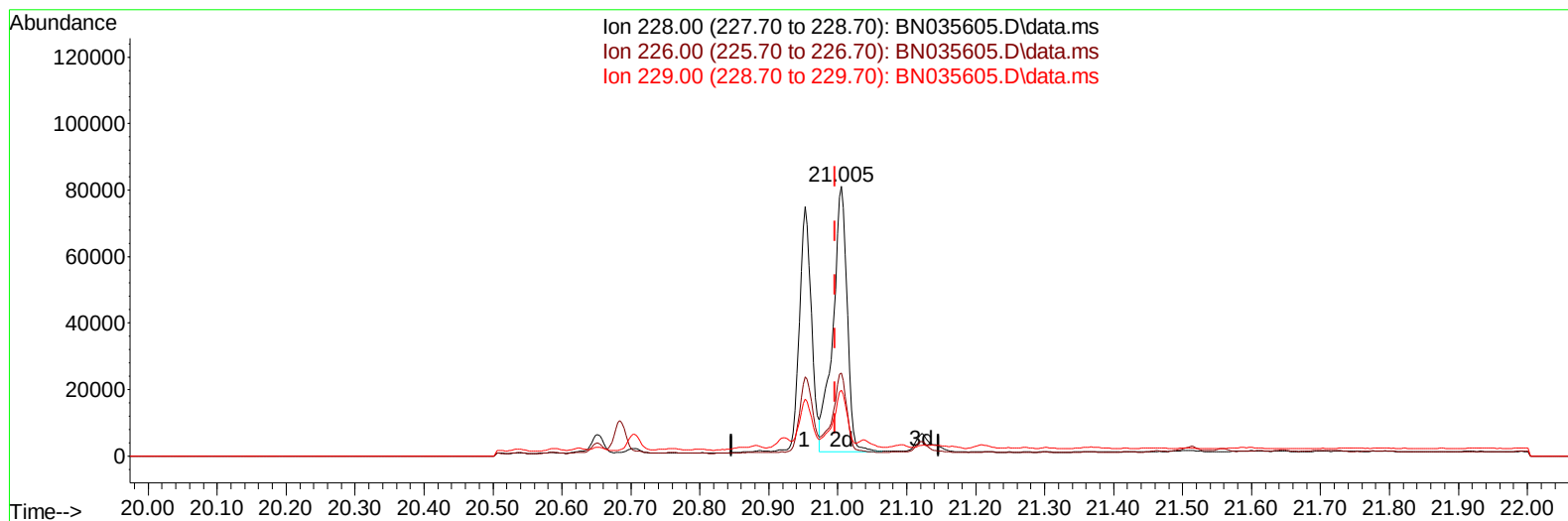
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(22) Chrysene

21.005min (+ 0.009) 5.37 ng/ul m

response 115018

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.90	30.85
229.00	20.00	24.38#
0.00	0.00	0.00

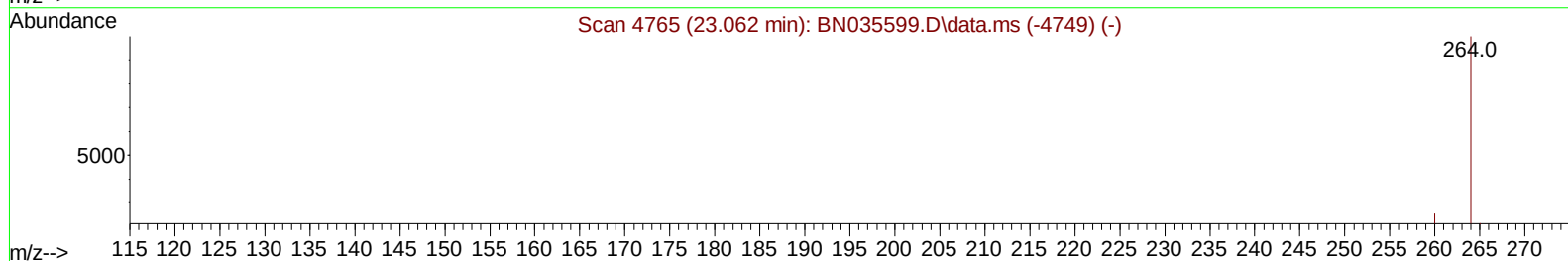
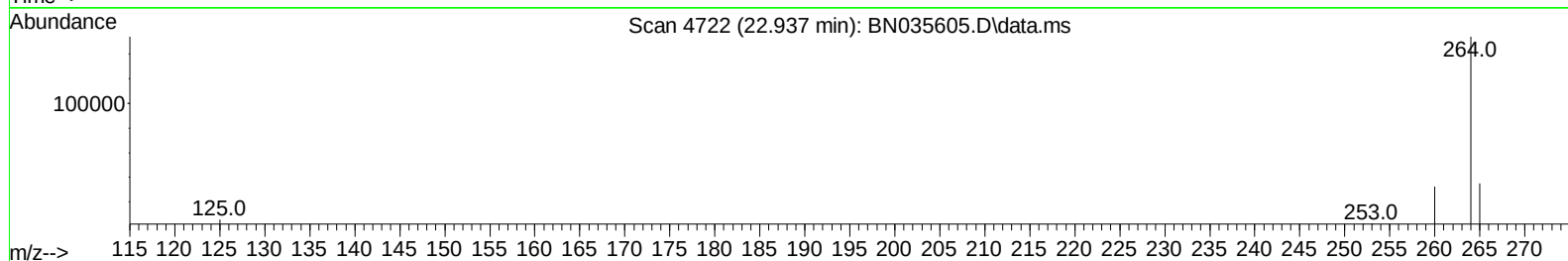
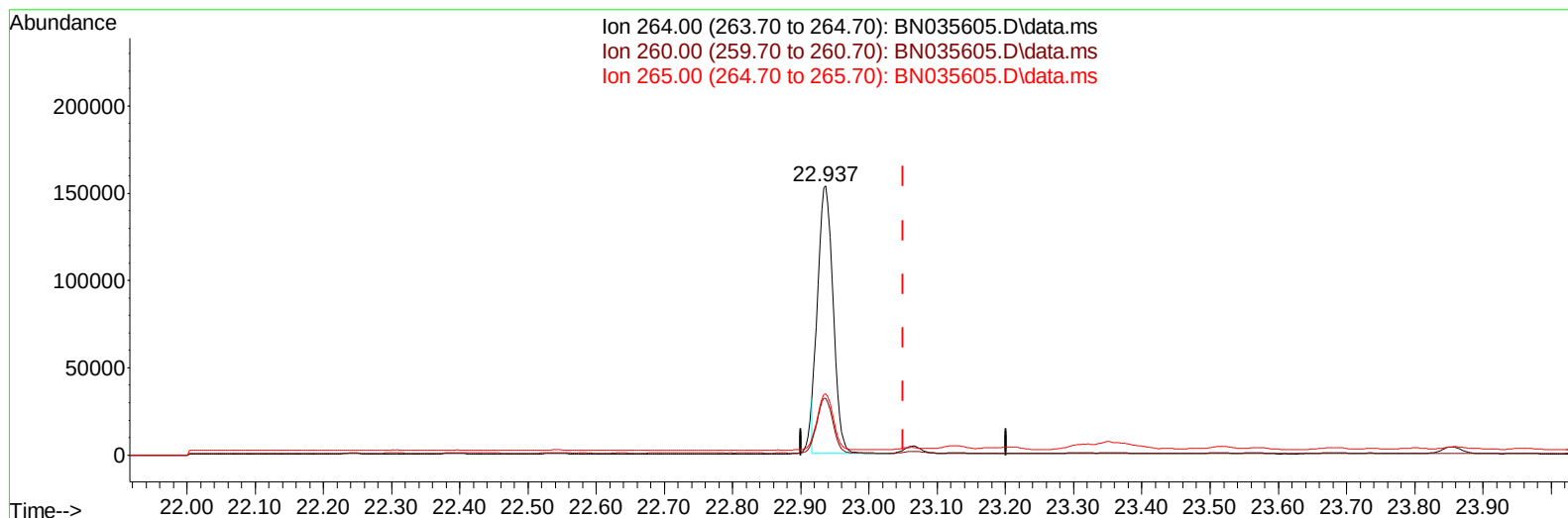
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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 12/14/2024
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TIC: BN035605.D\data.ms

(23) Perylene-d12 (I)

22.937min (-0.114) 0.40 ng/u1

response 239408

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	21.14
265.00	75.50	22.89#
0.00	0.00	0.00

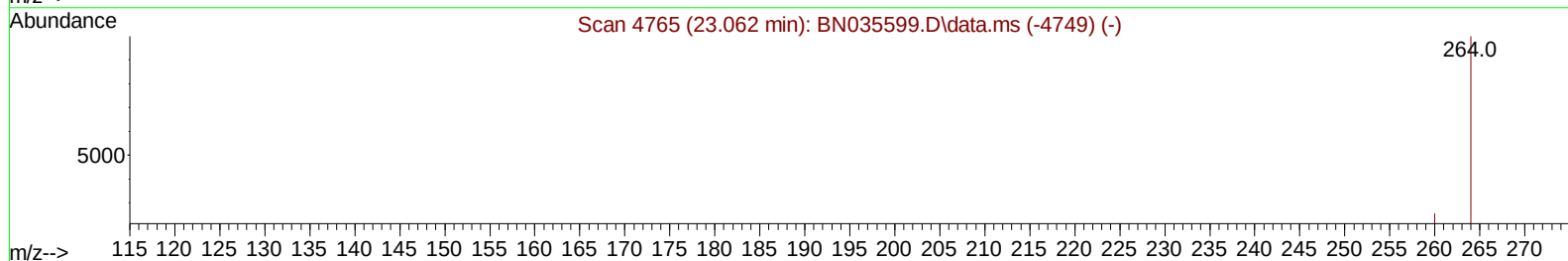
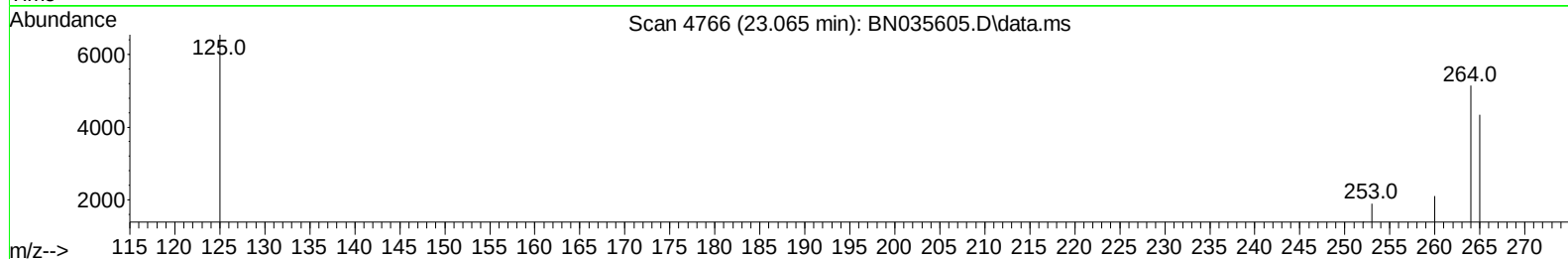
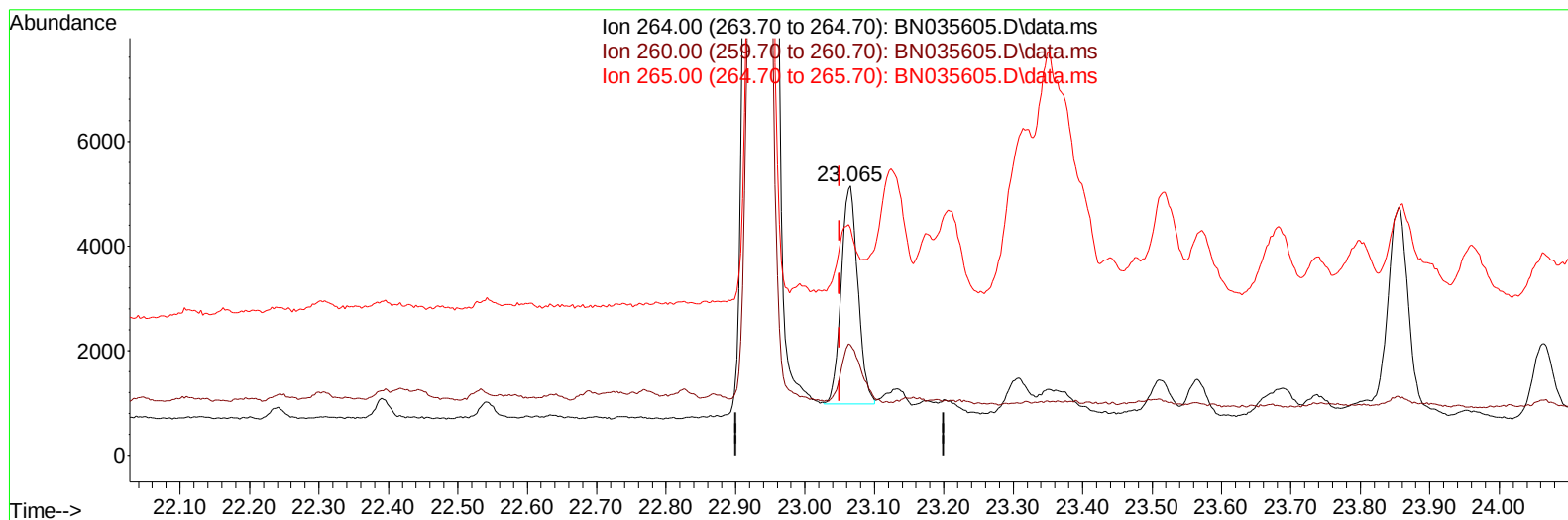
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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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Response via : Initial Calibration

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



TIC: BN035605.D\data.ms

(23) Perylene-d12 (I)

23.065min (+ 0.015) 0.40 ng/ul m

response 6994

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.20	41.02#
265.00	75.50	84.30
0.00	0.00	0.00

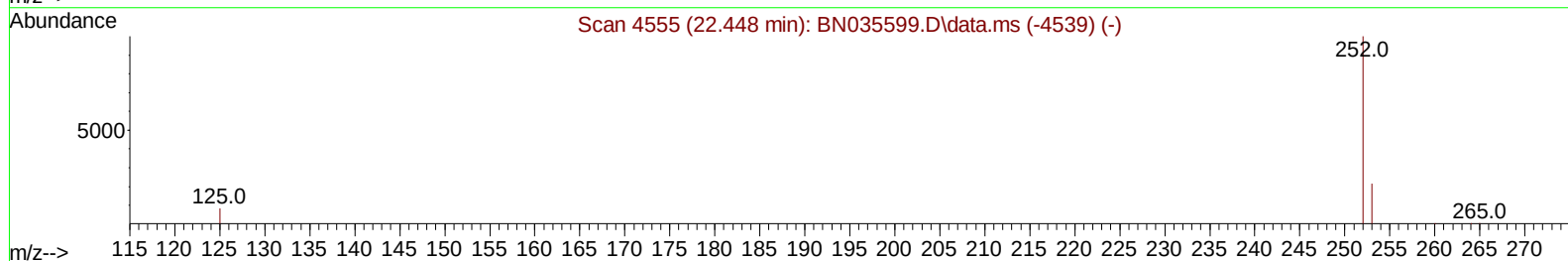
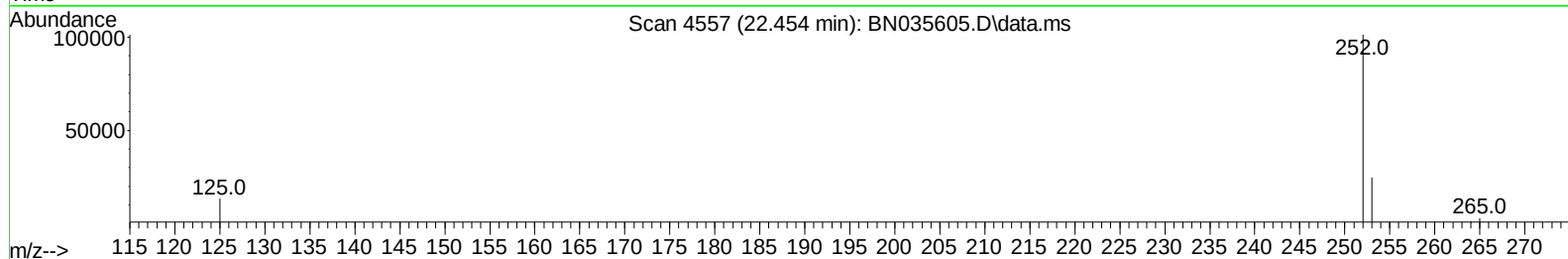
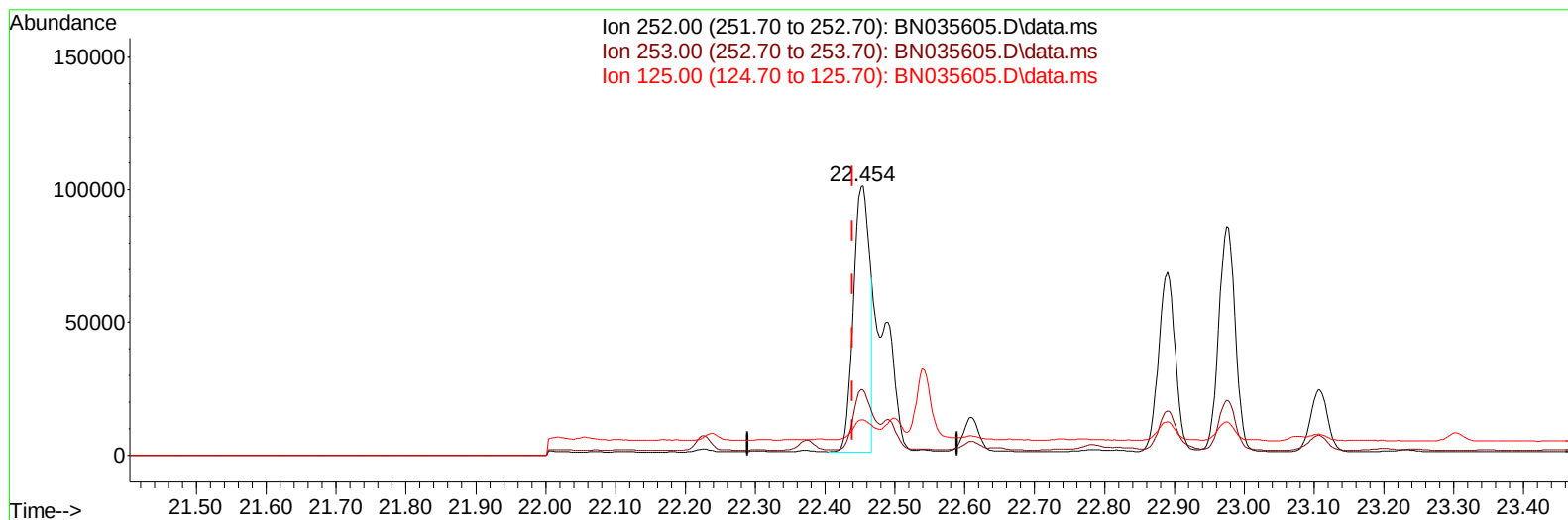
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 2024
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Reviewed By :Yogesh Patel 12/14/2024
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TIC: BN035605.D\data.ms

(24) Benzo(b)fluoranthene

22.454min (+ 0.015) 6.91 ng/u1

response 159746

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.25
125.00	9.70	13.12
0.00	0.00	0.00

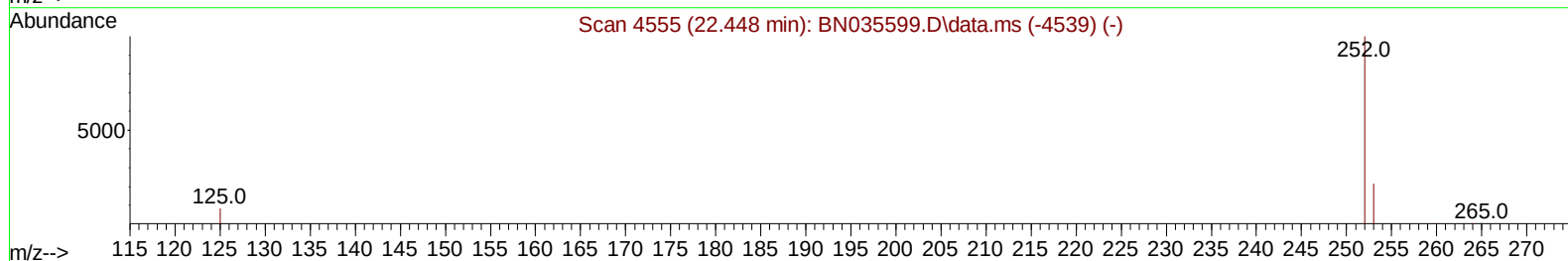
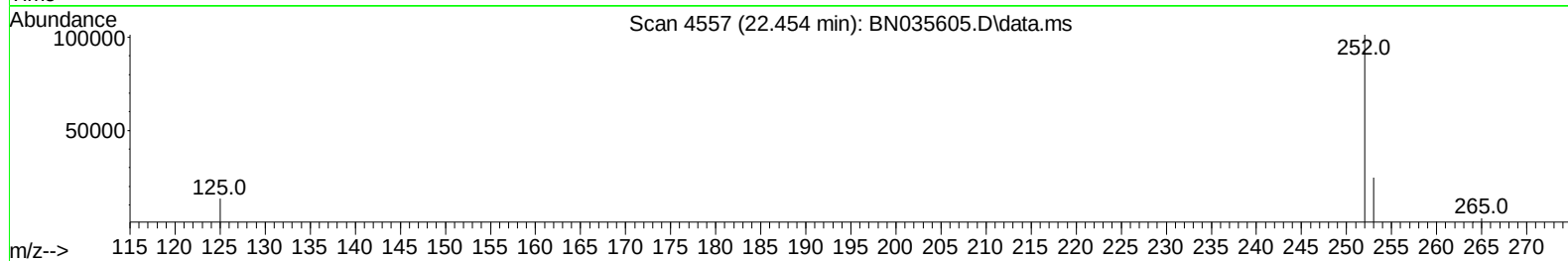
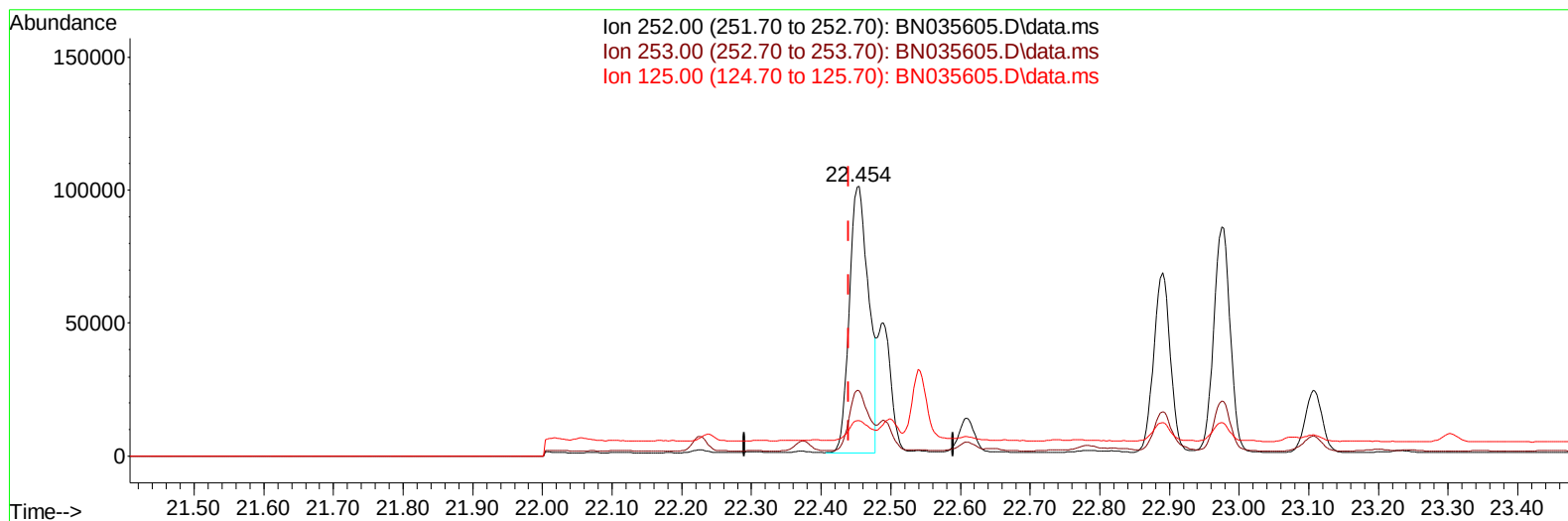
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(24) Benzo(b)fluoranthene

22.454min (+ 0.015) 8.41 ng/ul m

response 194523

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	24.25
125.00	9.70	13.12
0.00	0.00	0.00

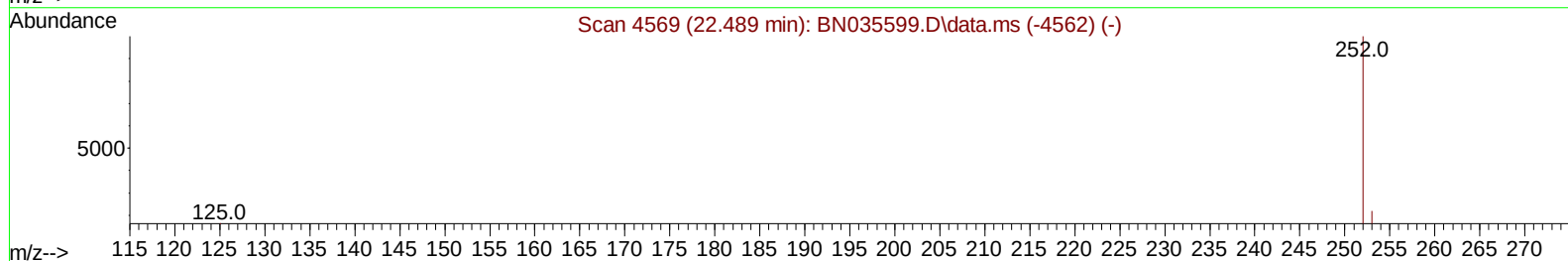
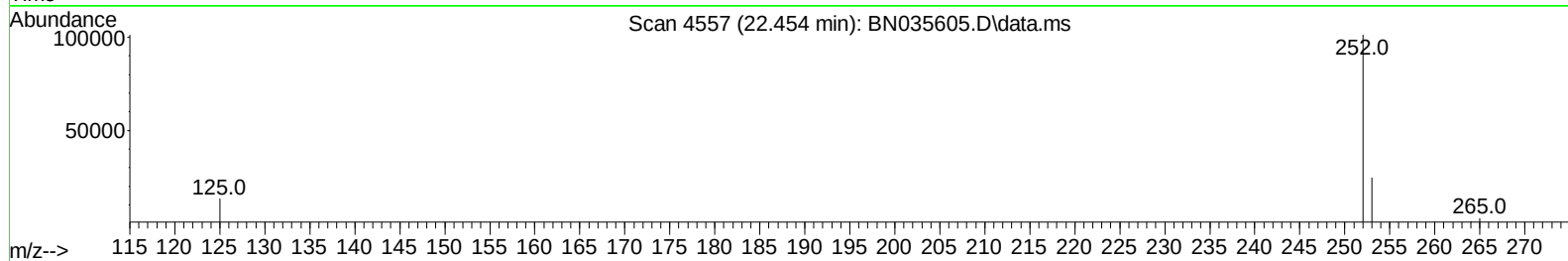
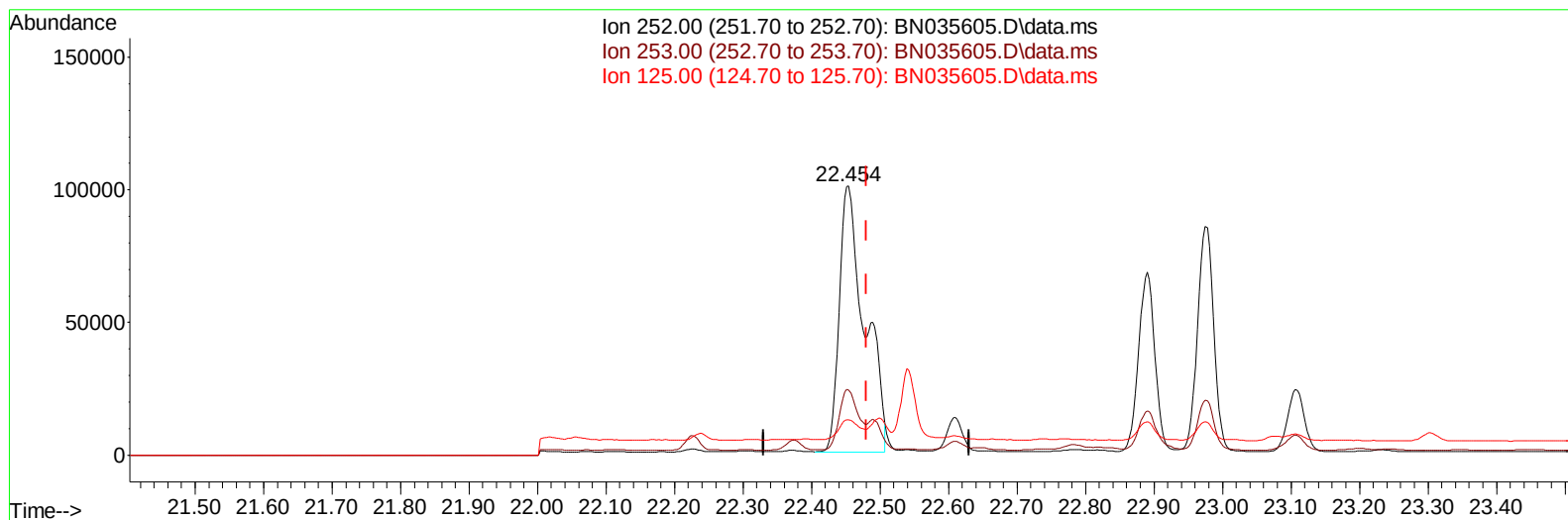
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(25) Benzo(k)fluoranthene

22.454min (-0.026) 10.81 ng/u1

response 257777

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	24.25
125.00	10.70	13.12#
0.00	0.00	0.00

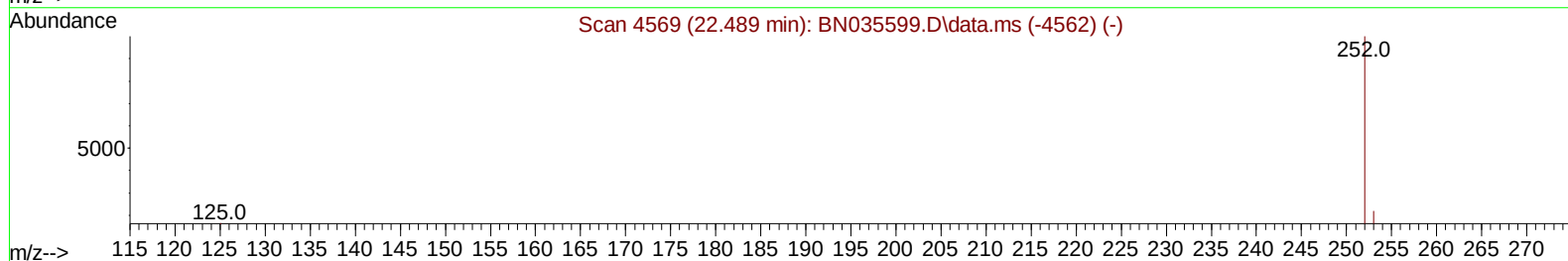
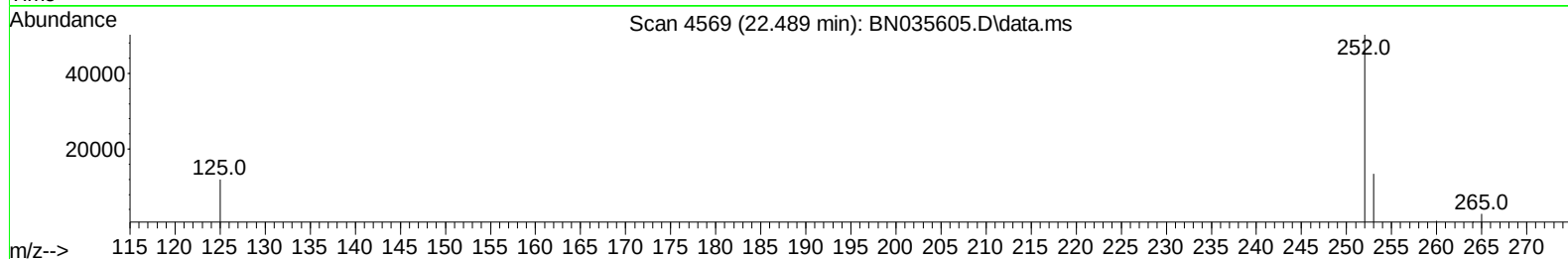
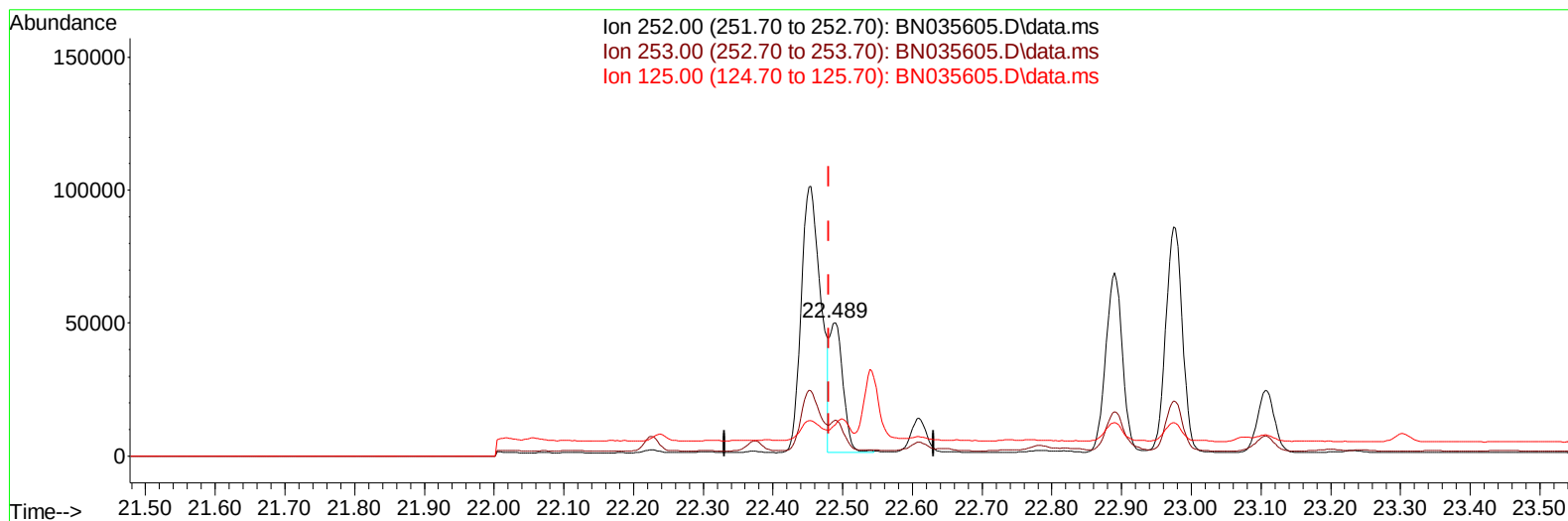
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(25) Benzo(k)fluoranthene

22.489min (+ 0.009) 2.81 ng/ul m

response 66962

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	26.79
125.00	10.70	23.82#
0.00	0.00	0.00

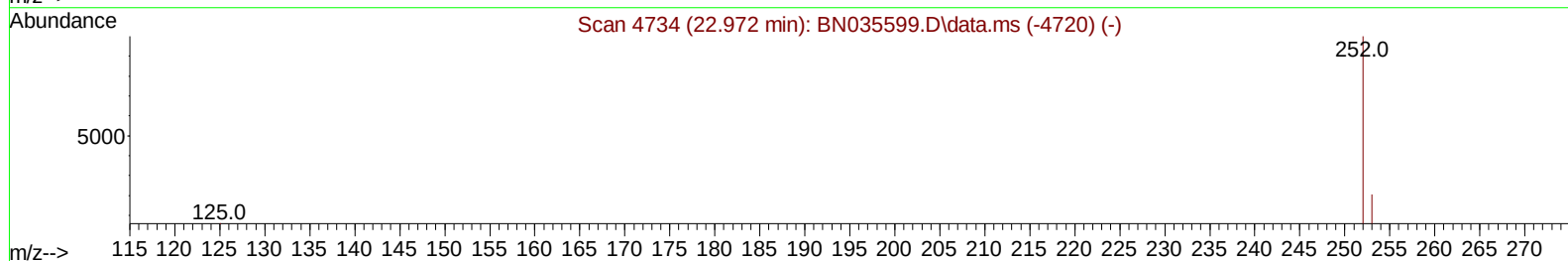
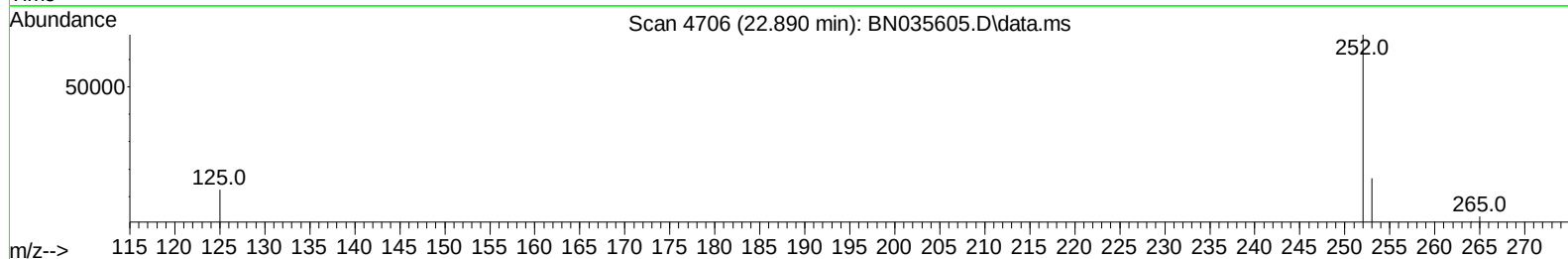
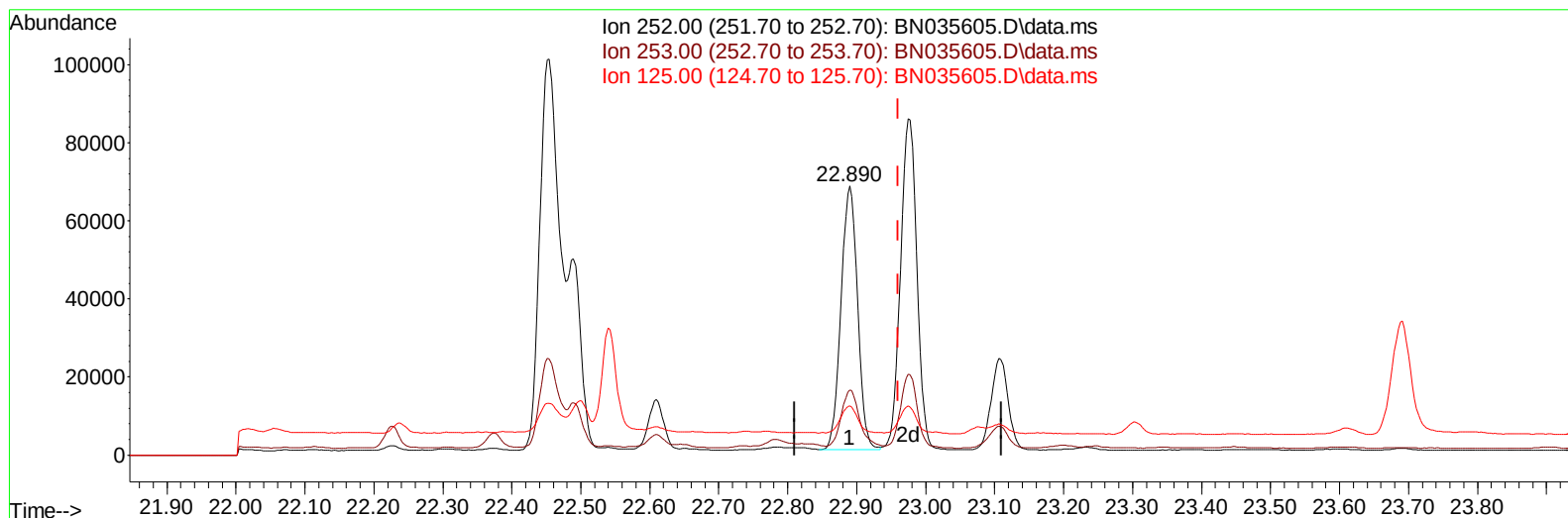
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 2024
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Reviewed By :Yogesh Patel 12/14/2024
Supervised By :mohammad ahmed 12/14/2024



TIC: BN035605.D\data.ms

(26) Benzo(a)pyrene (C)

22.890min (-0.070) 5.34 ng/u1

response 112770

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	24.17
125.00	11.80	18.32#
0.00	0.00	0.00

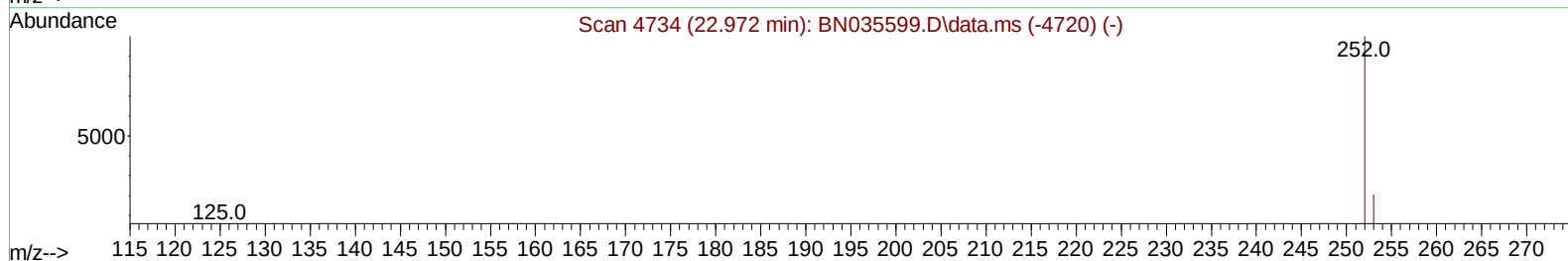
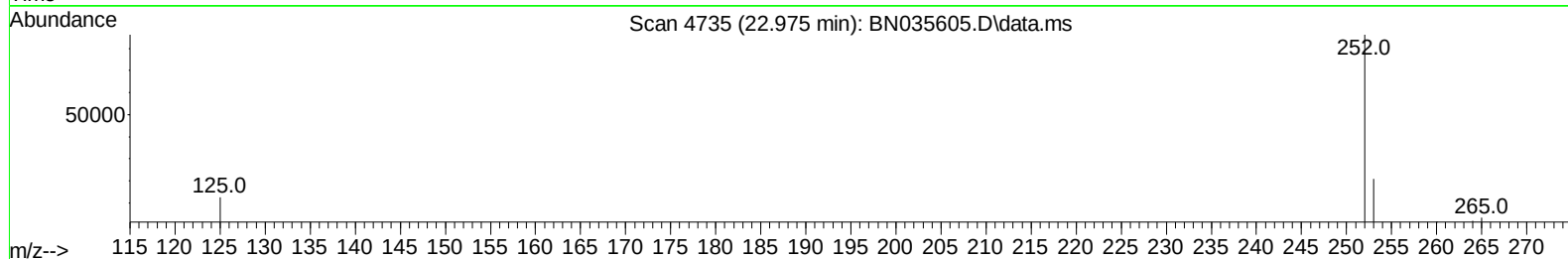
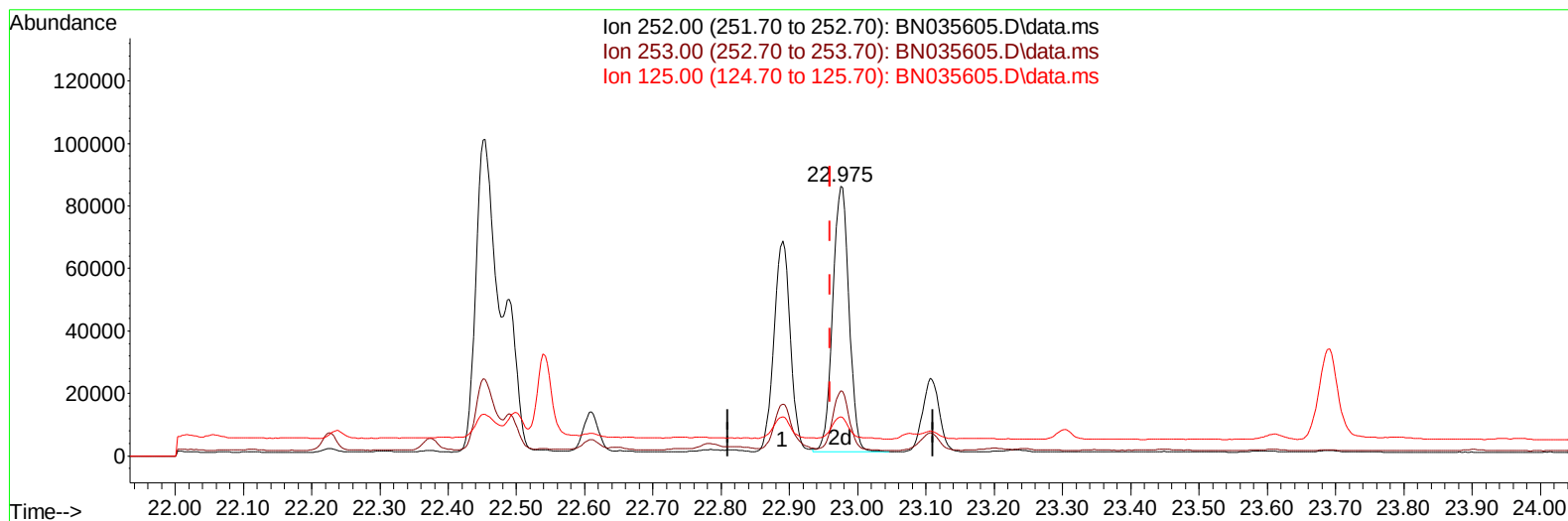
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(26) Benzo(a)pyrene (C)

22.975min (+ 0.015) 6.69 ng/ul m

response 141376

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.60	24.10
125.00	11.80	14.55#
0.00	0.00	0.00

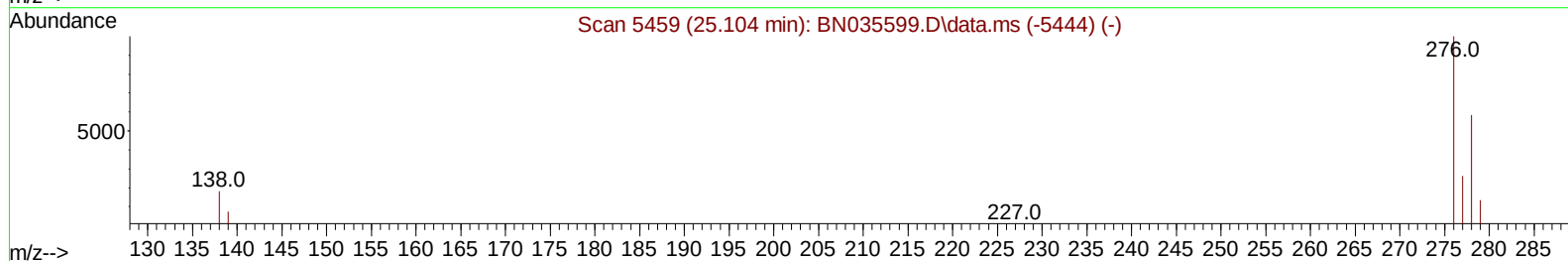
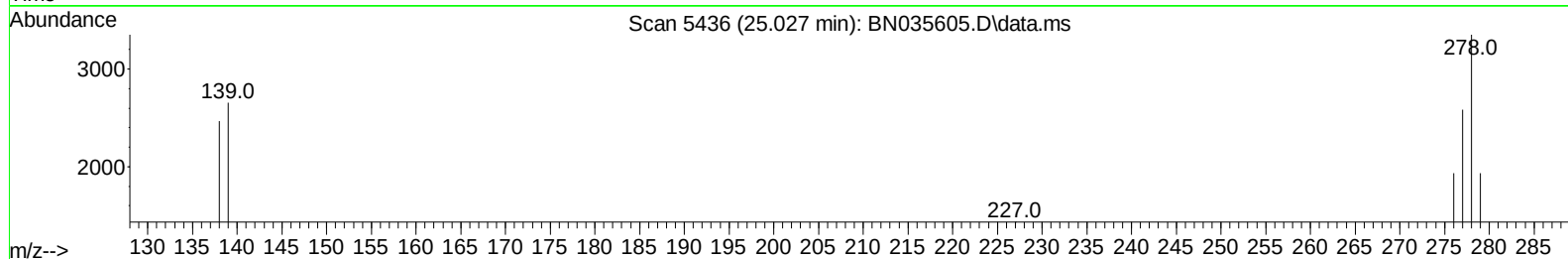
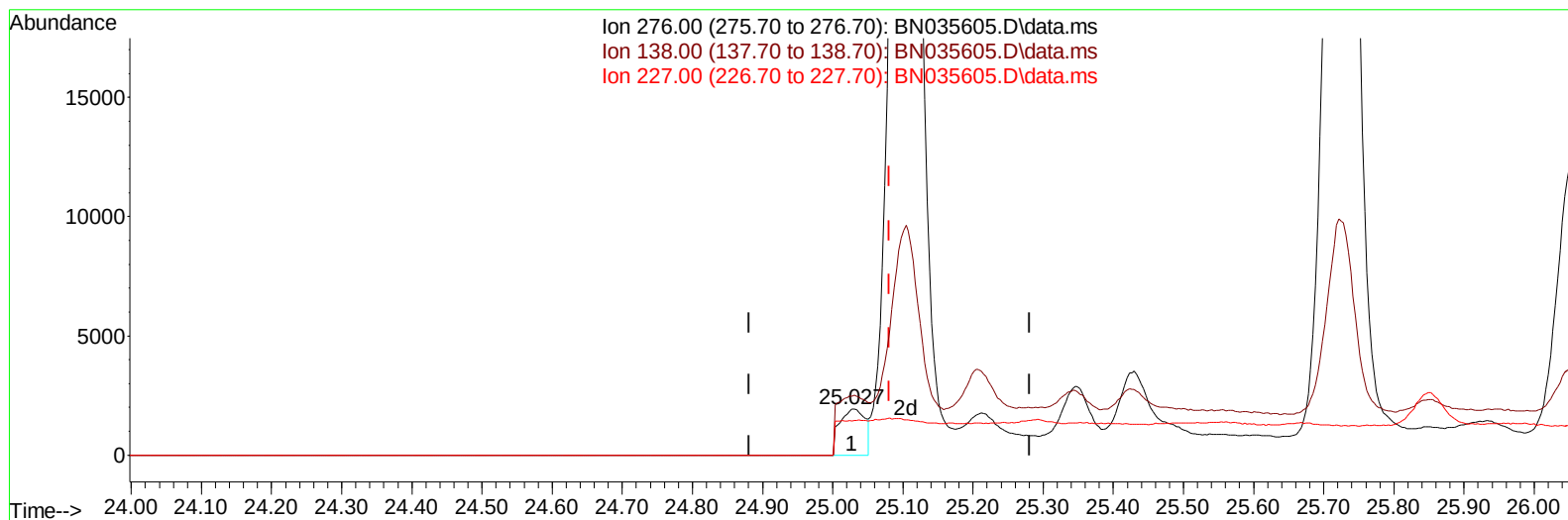
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

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



TIC: BN035605.D\data.ms

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

25.027min (-0.054) 0.17 ng/u1

response 4826

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	172.23#
227.00	0.30	0.00#
0.00	0.00	0.00

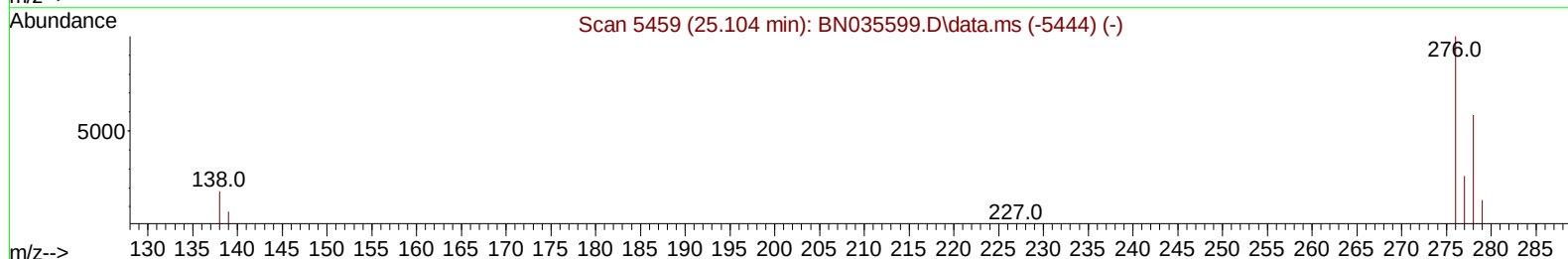
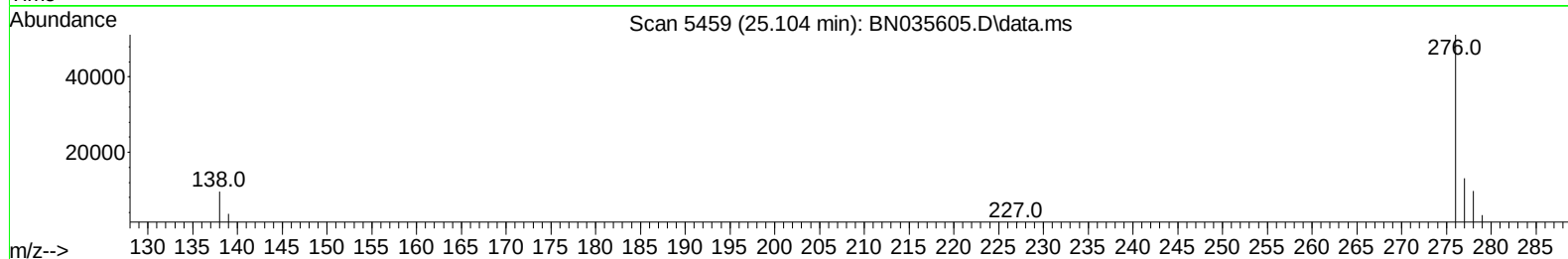
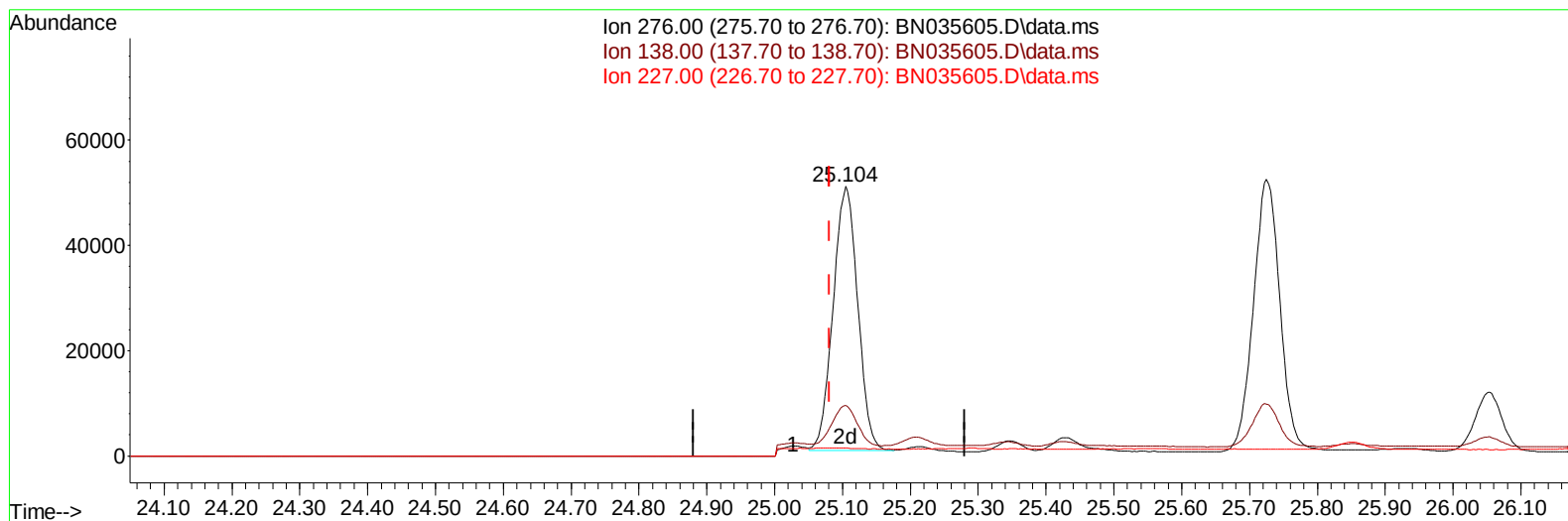
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

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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: BN035605.D\data.ms

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

25.104min (+ 0.024) 4.43 ng/ul m

response 126364

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	6.58#
227.00	0.30	0.00#
0.00	0.00	0.00

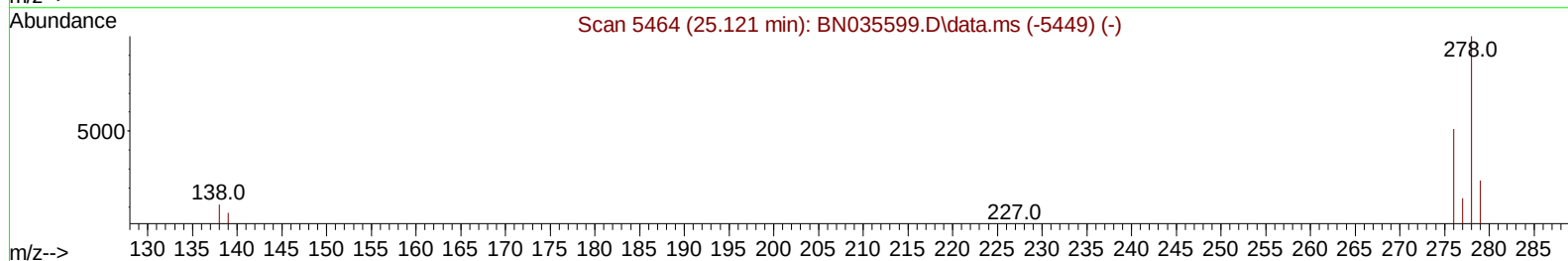
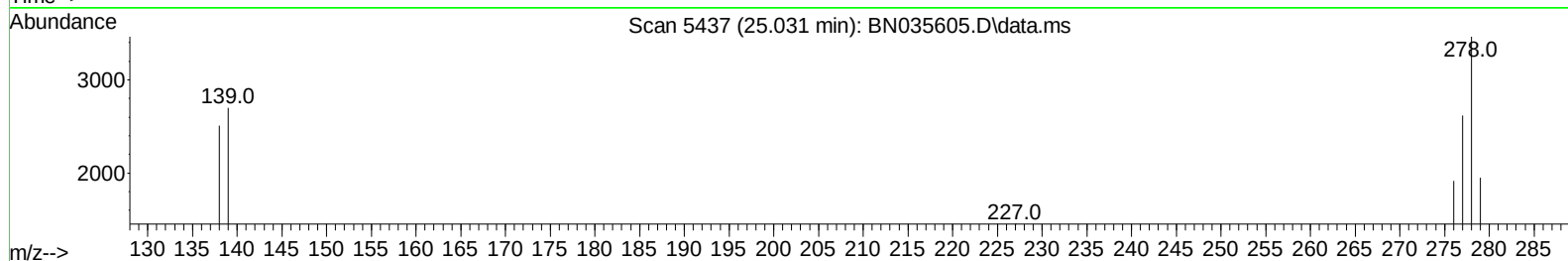
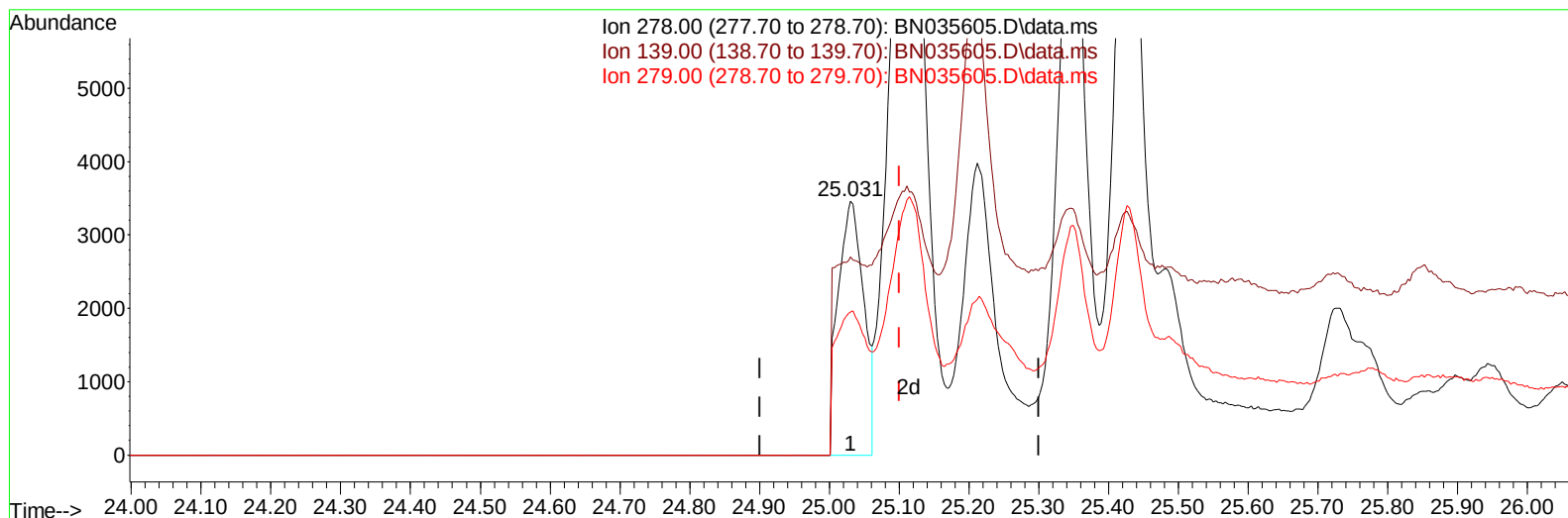
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(28) Dibenzo(a,h)anthracene

25.031min (-0.070) 0.39 ng/u1

response 8768

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	77.94#
279.00	28.50	56.22#
0.00	0.00	0.00

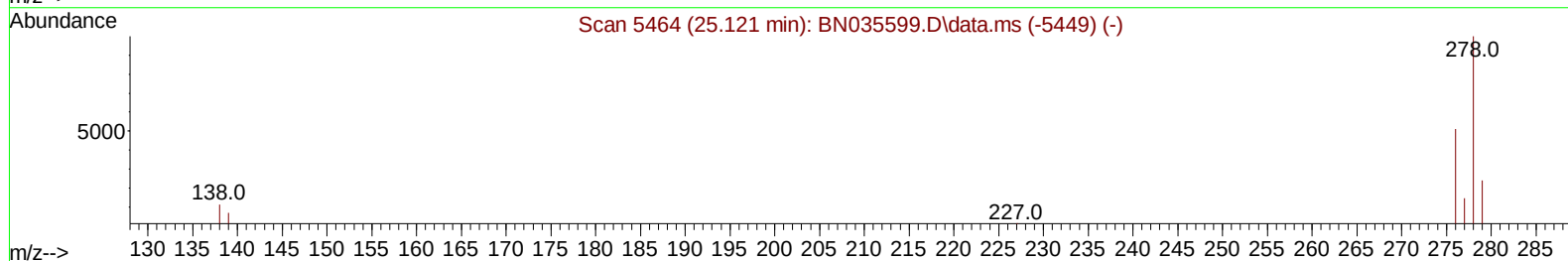
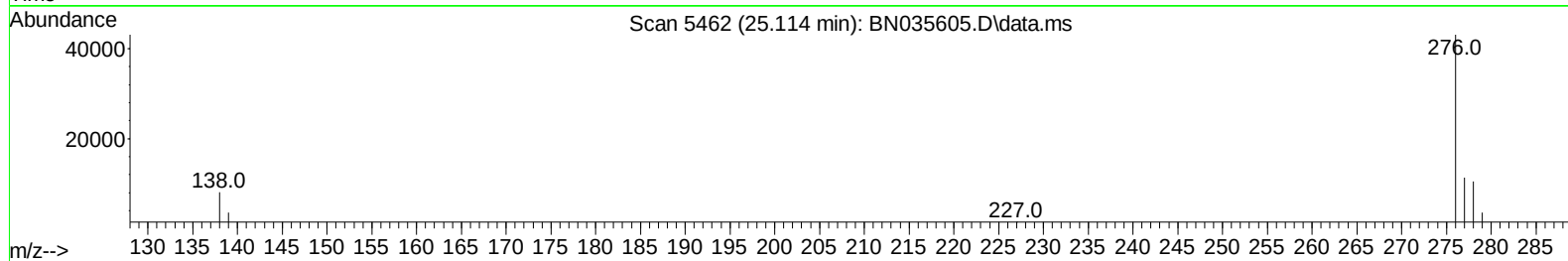
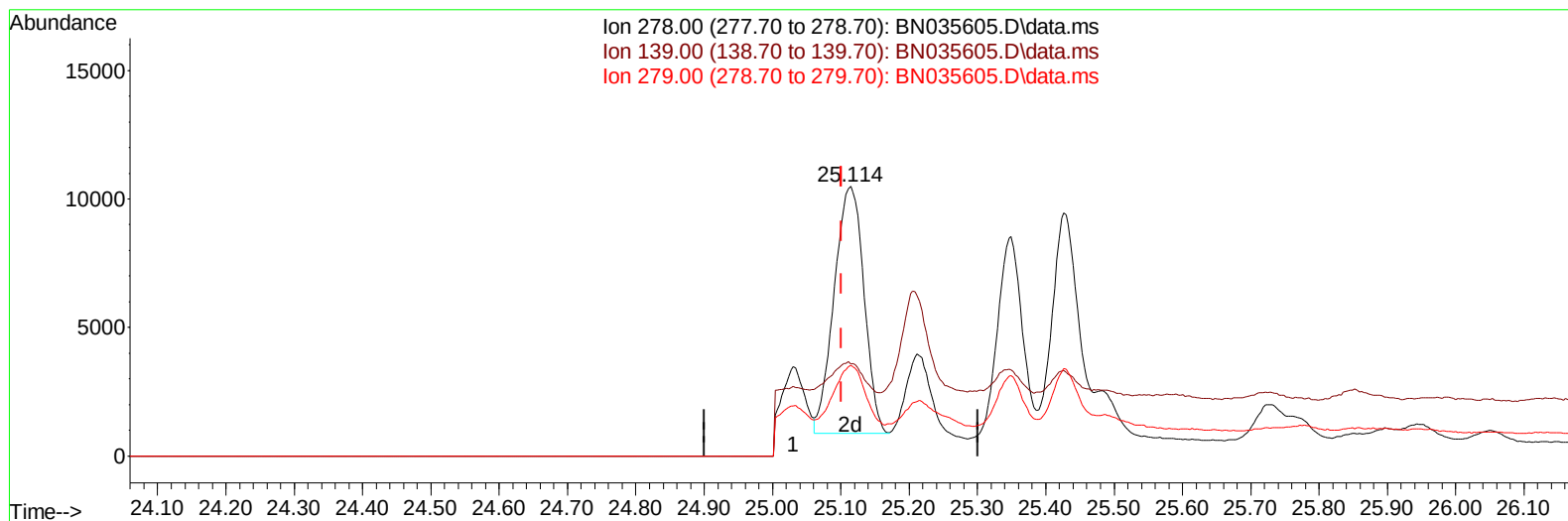
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 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: BN035605.D\data.ms

(28) Dibenzo(a,h)anthracene

25.114min (+ 0.014) 1.30 ng/ul m

response 29092

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.40	34.18#
279.00	28.50	33.56
0.00	0.00	0.00

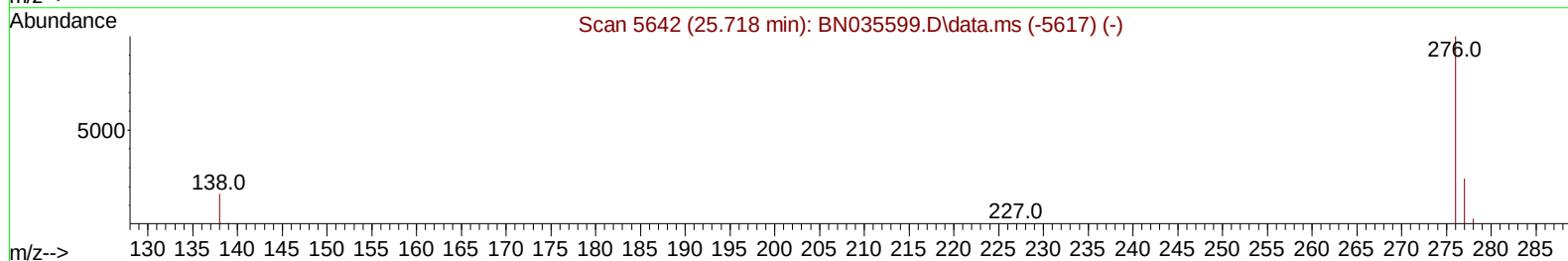
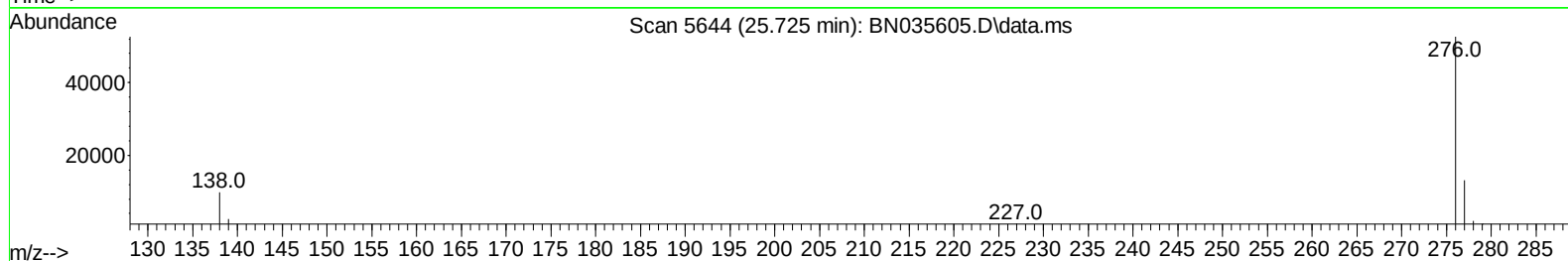
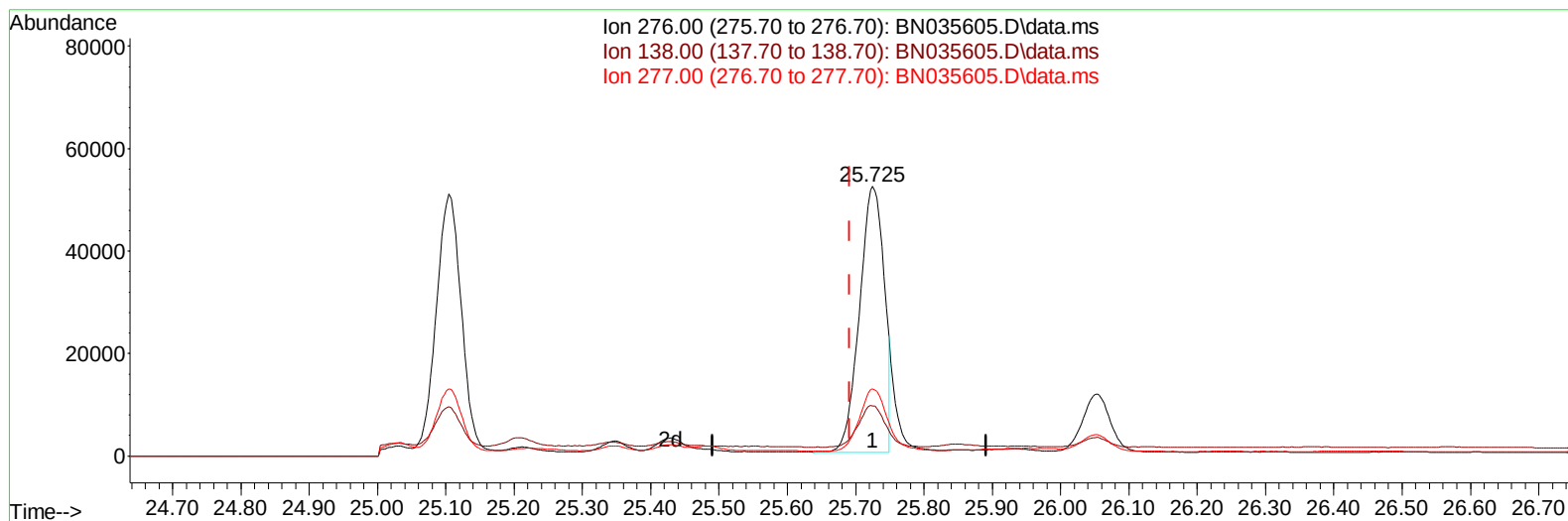
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN035605.D\data.ms

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

25.725min (+ 0.034) 5.71 ng/u1

response 128577

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	18.62
277.00	25.60	24.92
0.00	0.00	0.00

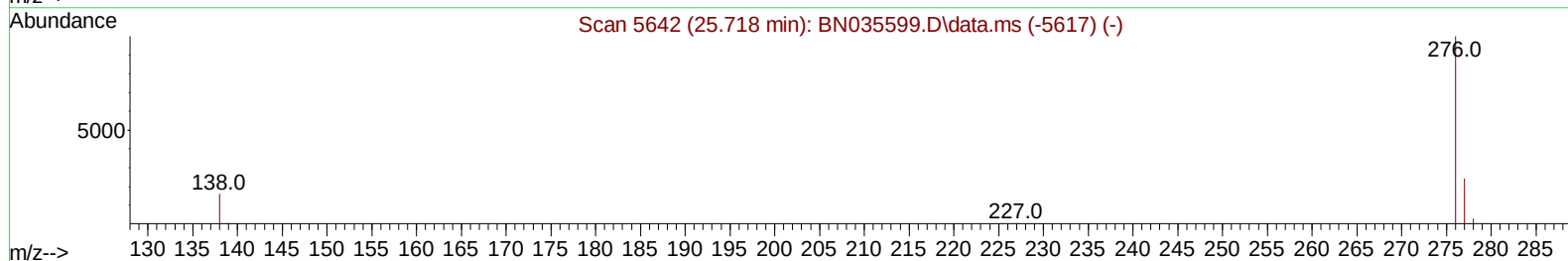
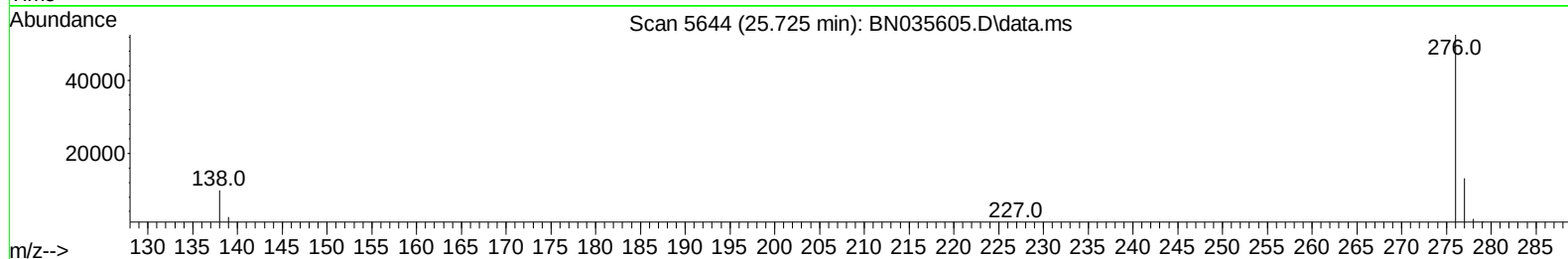
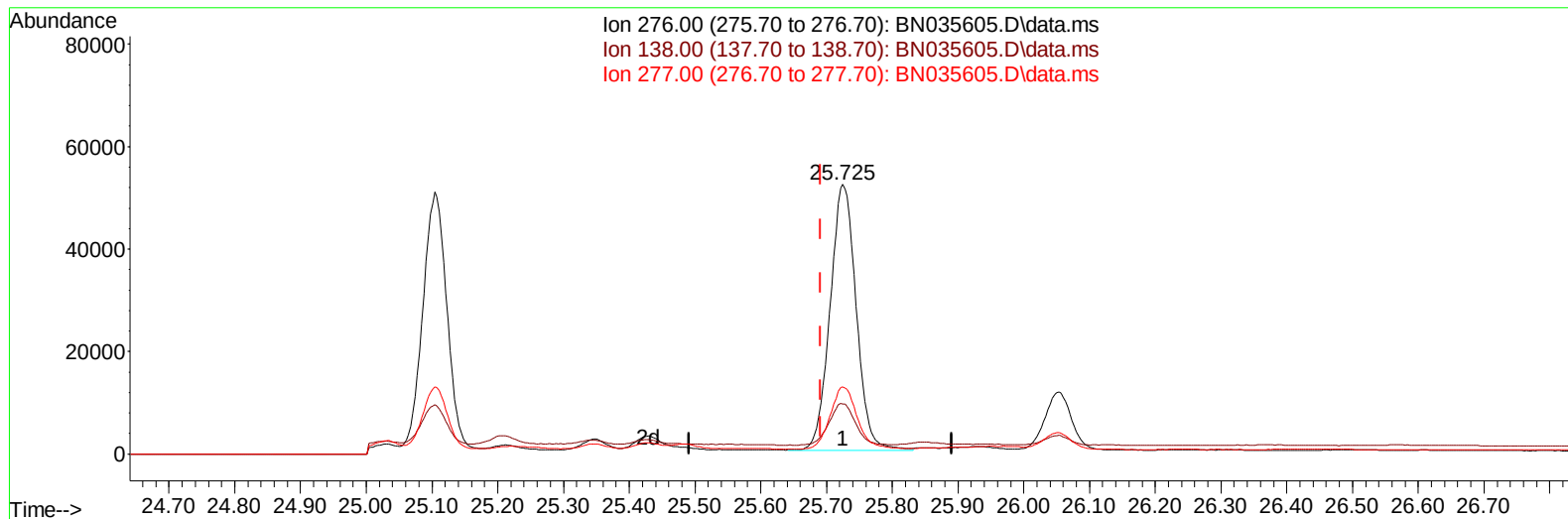
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
Data File : BN035605.D
Acq On : 13 Dec 2024 20:07
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R4

Manual IntegrationsAPPROVED

Quant Time: Dec 13 21:07:09 2024
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TIC: BN035605.D\data.ms

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

25.725min (+ 0.034) 6.38 ng/ul m

response 143547

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	16.30	18.62
277.00	25.60	24.92
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121324\
 Data File : BN035605.D
 Acq On : 13 Dec 2024 20:07
 Operator : RC/JU
 Sample : P5153-21
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 E28R4

Manual IntegrationsAPPROVED

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.293	152	1914	0.400	ng/ul	# 0.00
4) Naphthalene-d8	10.037	136	6235	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	13.953	164	3917	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.722	188	7663	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.970	240	6138	0.400	ng/ul	# 0.00
23) Perylene-d12	23.065	264	6994m	0.400	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.968	96	6308	3.606	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.642	152	1695	0.186	ng/ul	0.00
18) Fluoranthene-d10	18.777	212	3919	0.231	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.086	128	37138	2.364	ng/ul	98
7) 2-Methylnaphthalene	11.719	142	17329	1.591	ng/ul	97
8) 1-Methylnaphthalene	11.945	142	6394	0.581	ng/ul	99
10) Acenaphthylene	13.667	152	6987	0.450	ng/ul#	94
11) Acenaphthene	14.014	153	1971	0.166	ng/ul	94
12) Fluorene	15.018	166	3357	0.241	ng/ul#	89
15) Phenanthrene	16.764	178	78278	3.864	ng/ul	99
16) Anthracene	16.852	178	21080	1.121	ng/ul	97
19) Fluoranthene	18.805	202	128313	6.004	ng/ul	97
20) Pyrene	19.172	202	129096	5.805	ng/ul#	95
21) Benzo(a)anthracene	20.953	228	89400	4.198	ng/ul	92
22) Chrysene	21.005	228	115018m	5.366	ng/ul	
24) Benzo(b)fluoranthene	22.454	252	194523m	8.414	ng/ul	
25) Benzo(k)fluoranthene	22.489	252	66962m	2.809	ng/ul	
26) Benzo(a)pyrene	22.975	252	141376m	6.692	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.104	276	126364m	4.429	ng/ul	
28) Dibenzo(a,h)anthracene	25.114	278	29092m	1.301	ng/ul	
29) Benzo(g,h,i)perylene	25.725	276	143547m	6.380	ng/ul	

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

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