

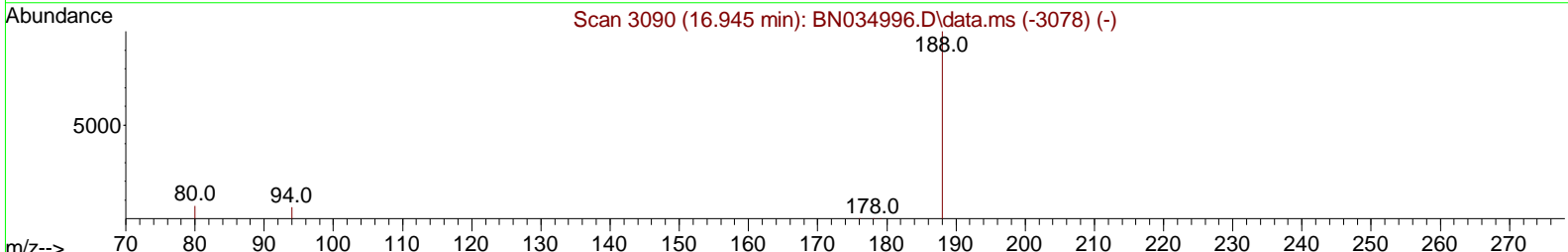
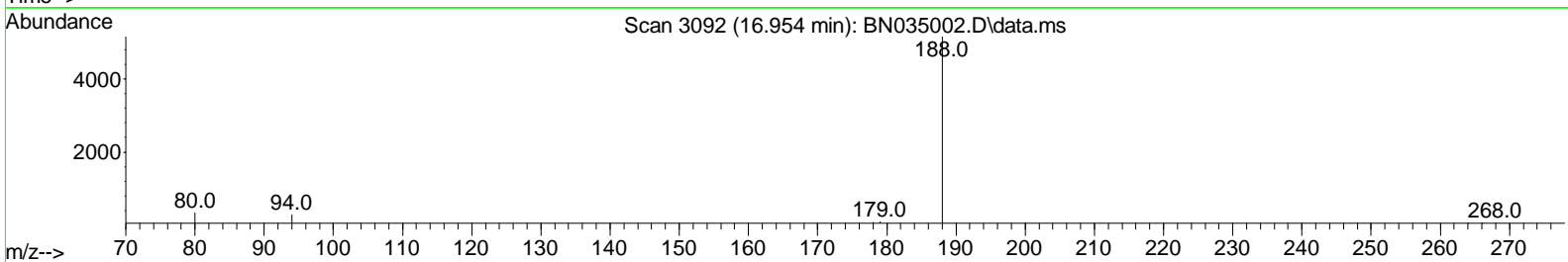
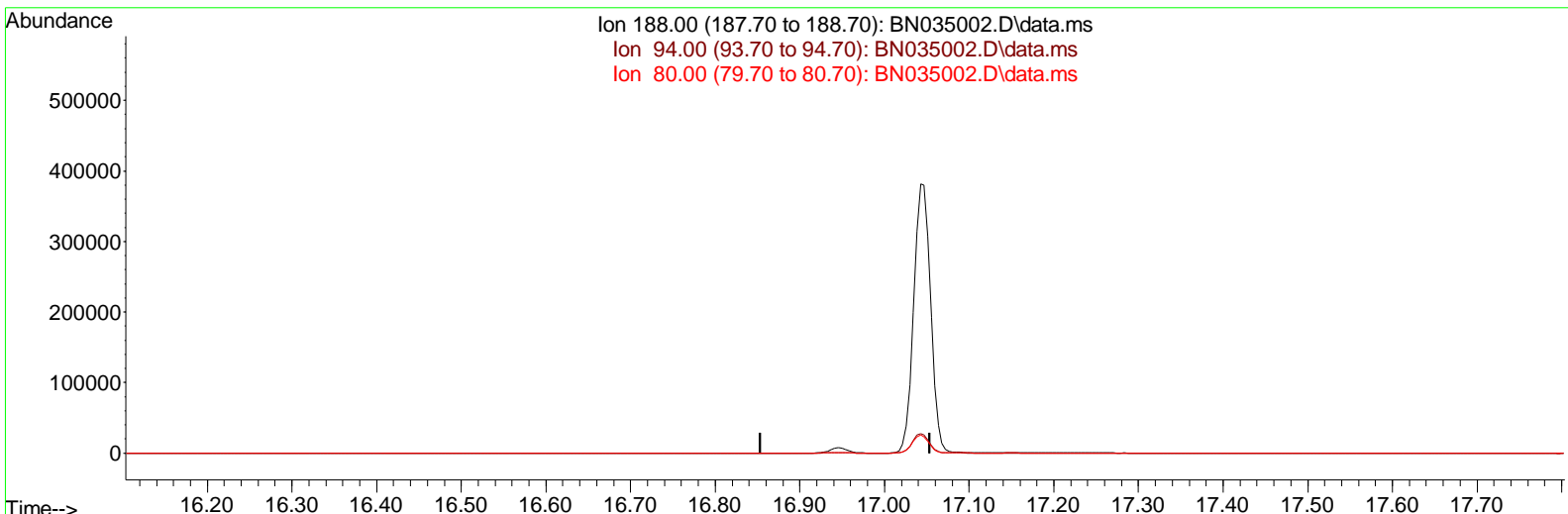
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 CC0Q9

Manual IntegrationsAPPROVED

Quant Time: Nov 11 13:56:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 09 00:09:12 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/14/2024



TIC: BN035002.D\data.ms

(13) Phenanthrene-d10 (I)

16.954min (-16.954) 0.00 ng/ul

response	0	
Ion	Exp%	Act%
188.00	100.00	0.00
94.00	6.10	0.00#
80.00	7.00	0.00#
0.00	0.00	0.00

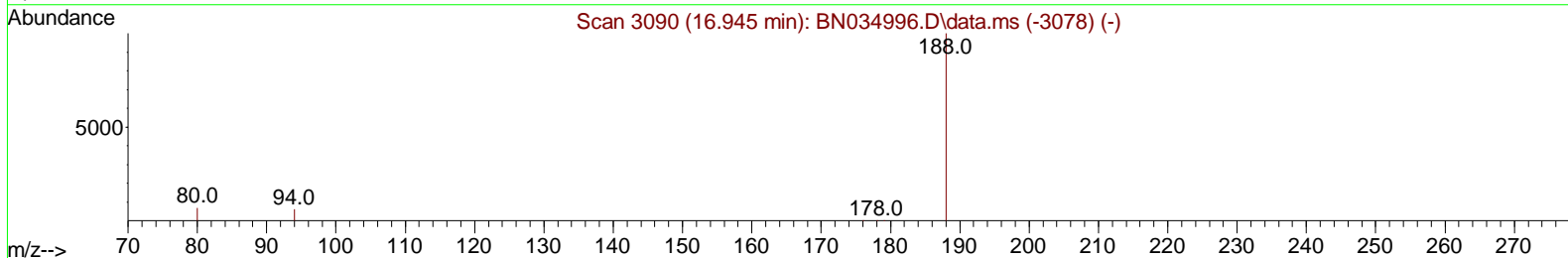
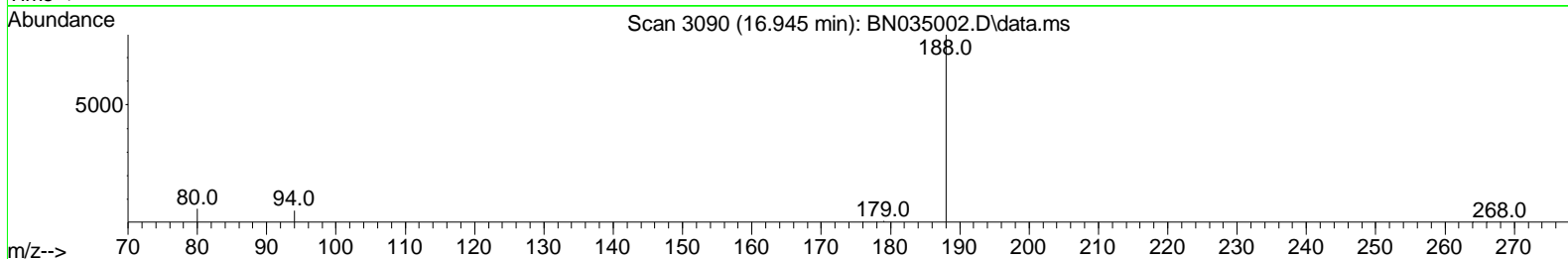
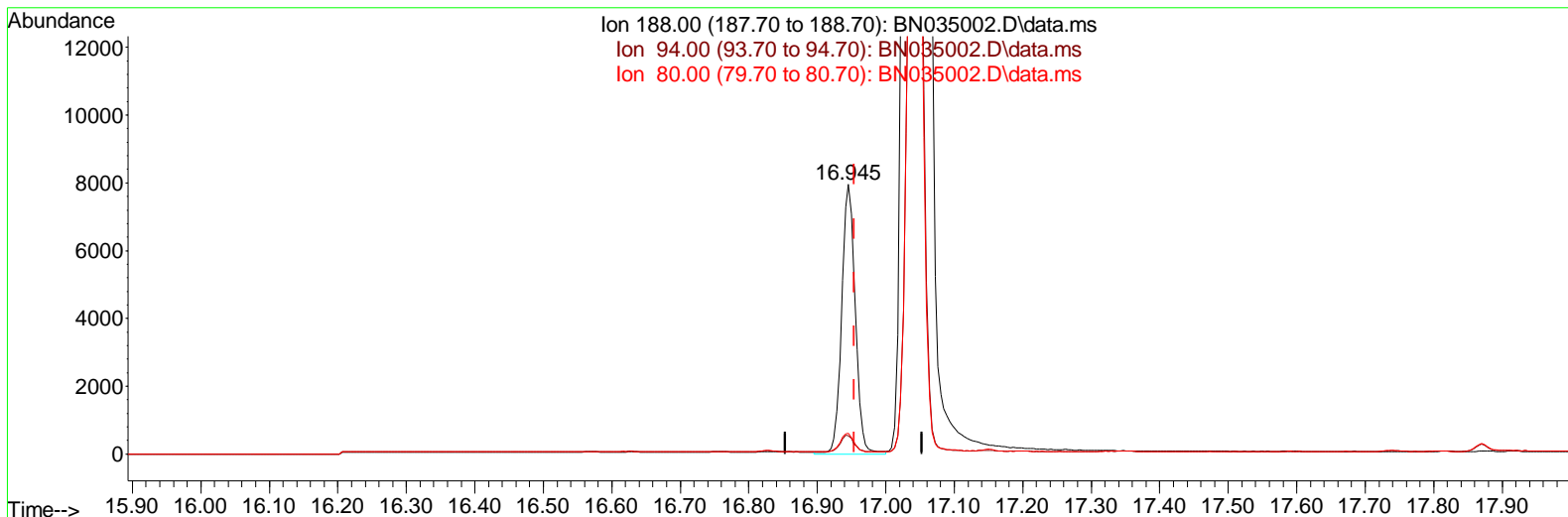
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 CC0Q9

Manual IntegrationsAPPROVED

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TIC: BN035002.D\data.ms

(13) Phenanthrene-d10 (I)

16.945min (-0.008) 0.40 ng/ul m

response	11053
Ion	Exp% Act%
188.00	100.00 100.00
94.00	6.10 6.78
80.00	7.00 7.61
0.00	0.00 0.00

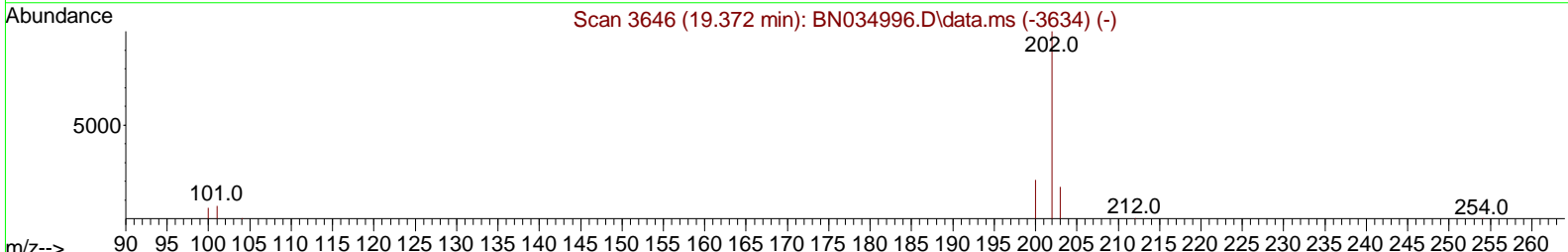
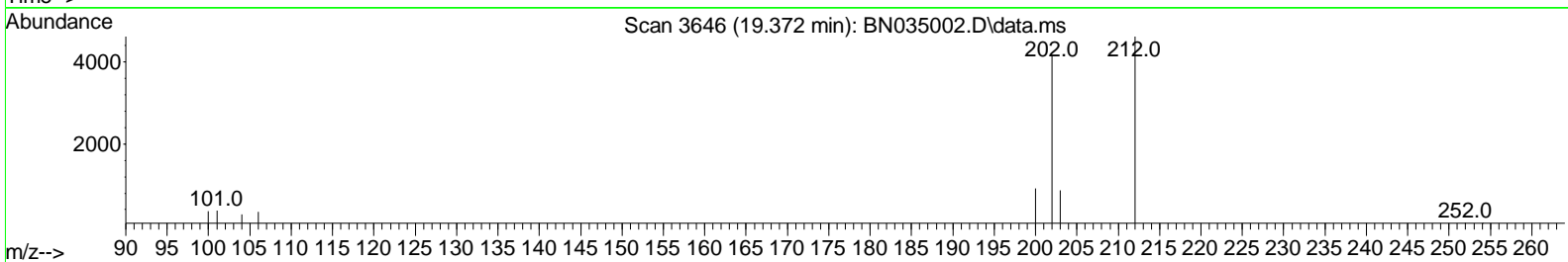
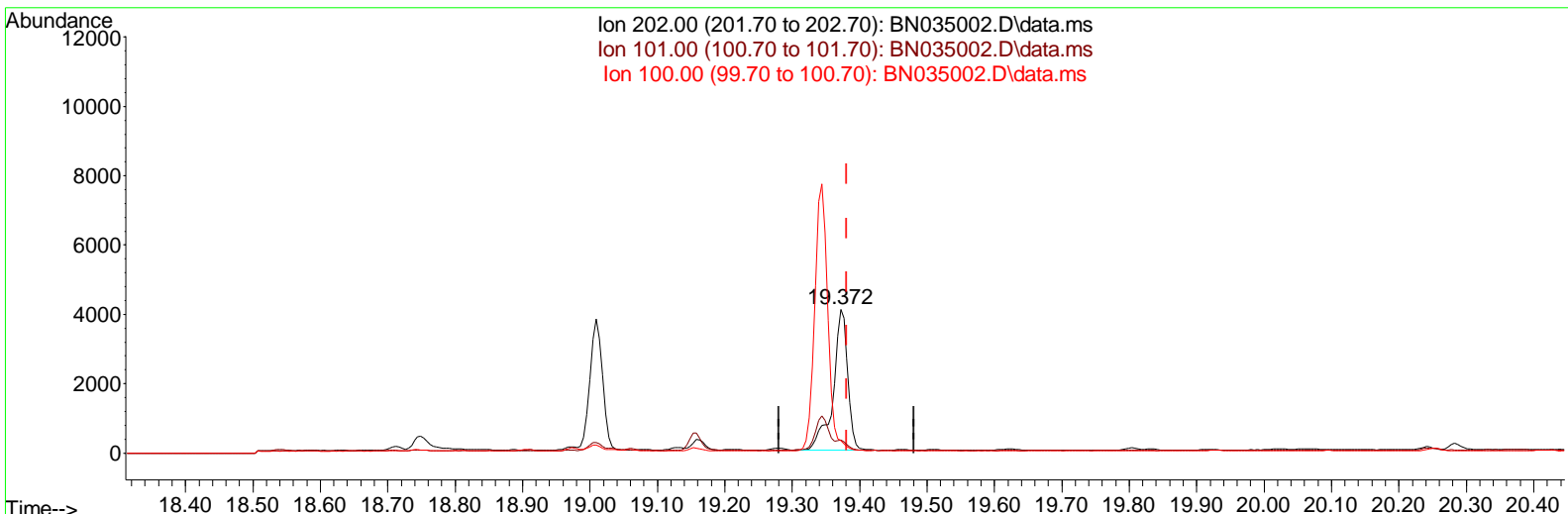
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 CC0Q9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 11 13:56:17 2024
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 QLast Update : Sat Nov 09 00:09:12 2024
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TIC: BN035002.D\data.ms

(20) Pyrene

19.372min (-0.009) 0.18 ng/ul

response 6187

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	6.20	9.19#
100.00	5.10	8.59#
0.00	0.00	0.00

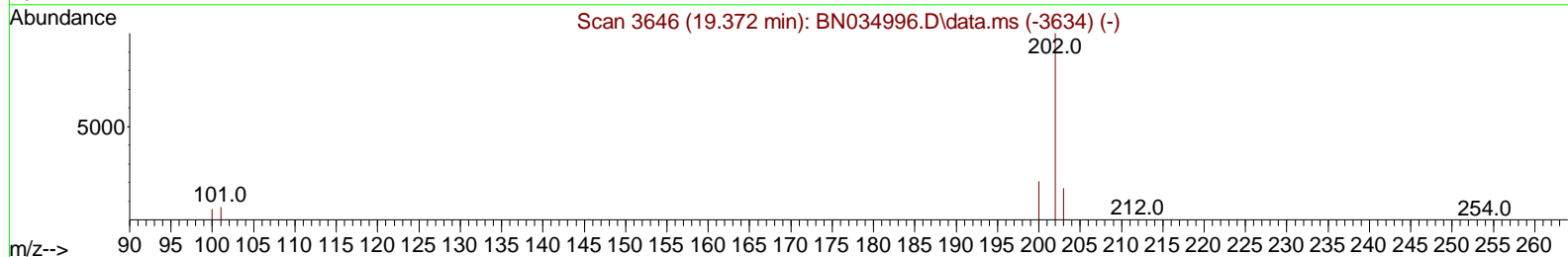
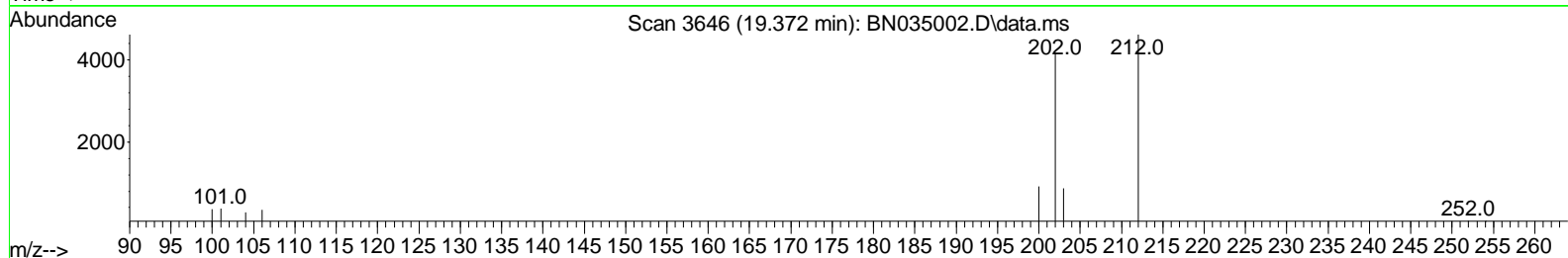
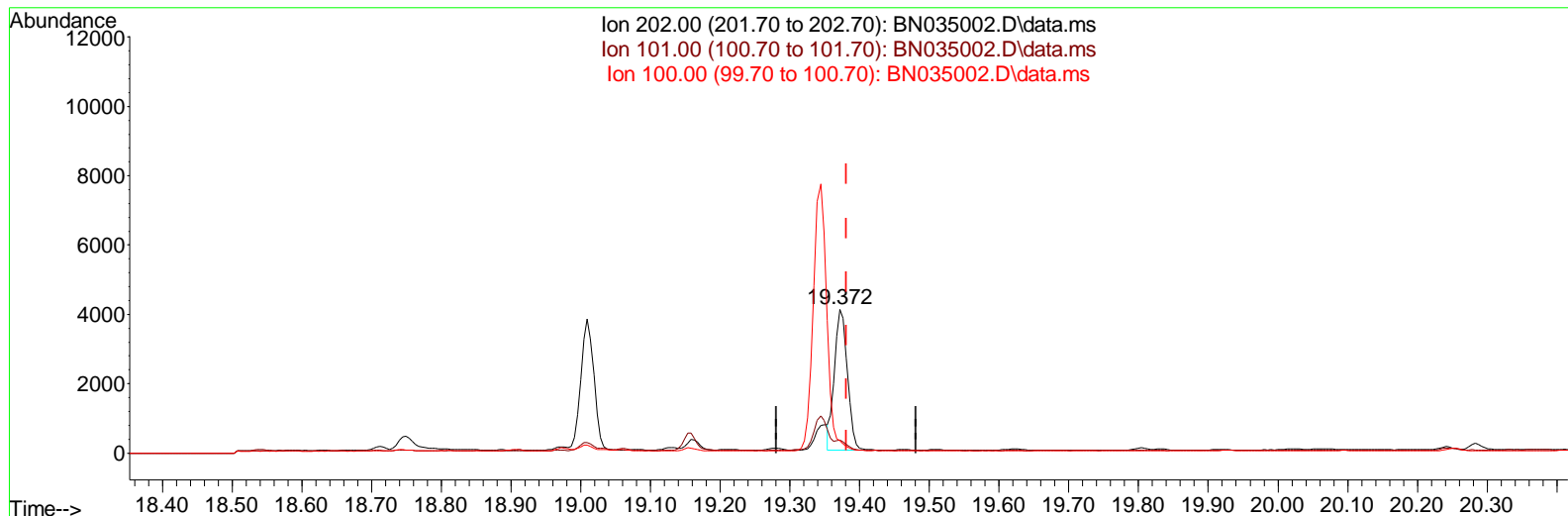
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

Quant Time: Nov 11 13:56:17 2024
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Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/14/2024



TIC: BN035002.D\data.ms

(20) Pyrene

19.372min (-0.009) 0.16 ng/ul m

response 5304

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	6.20	9.19#
100.00	5.10	8.59#
0.00	0.00	0.00

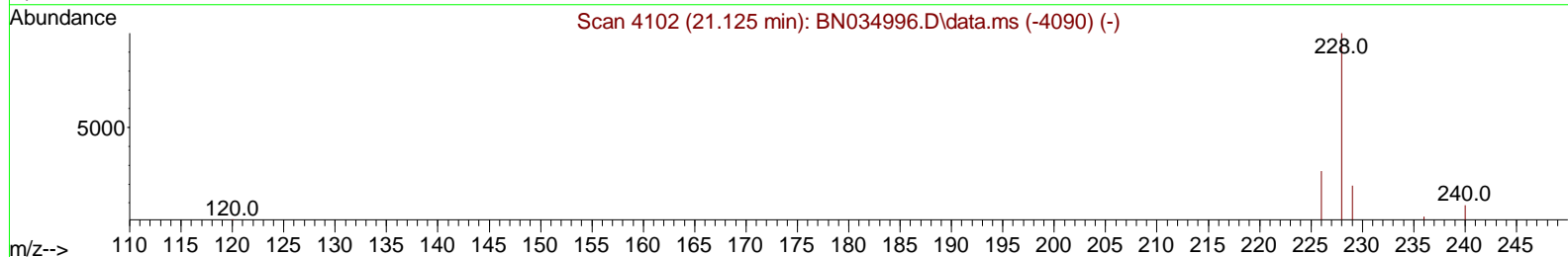
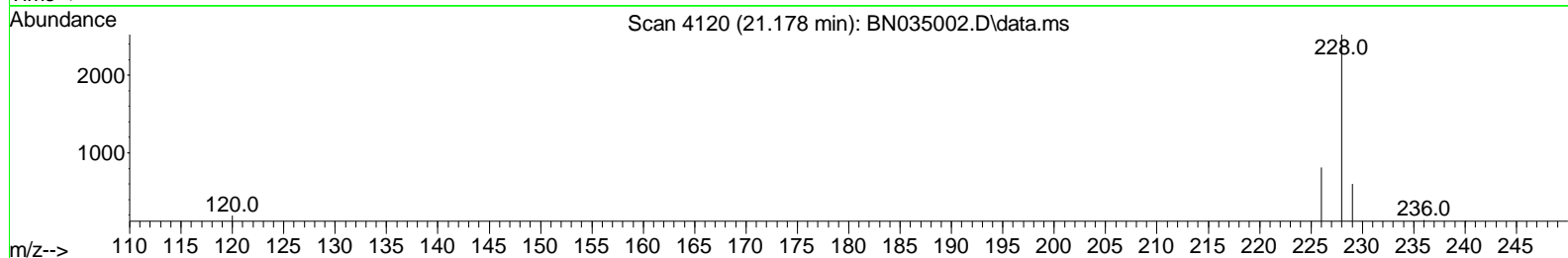
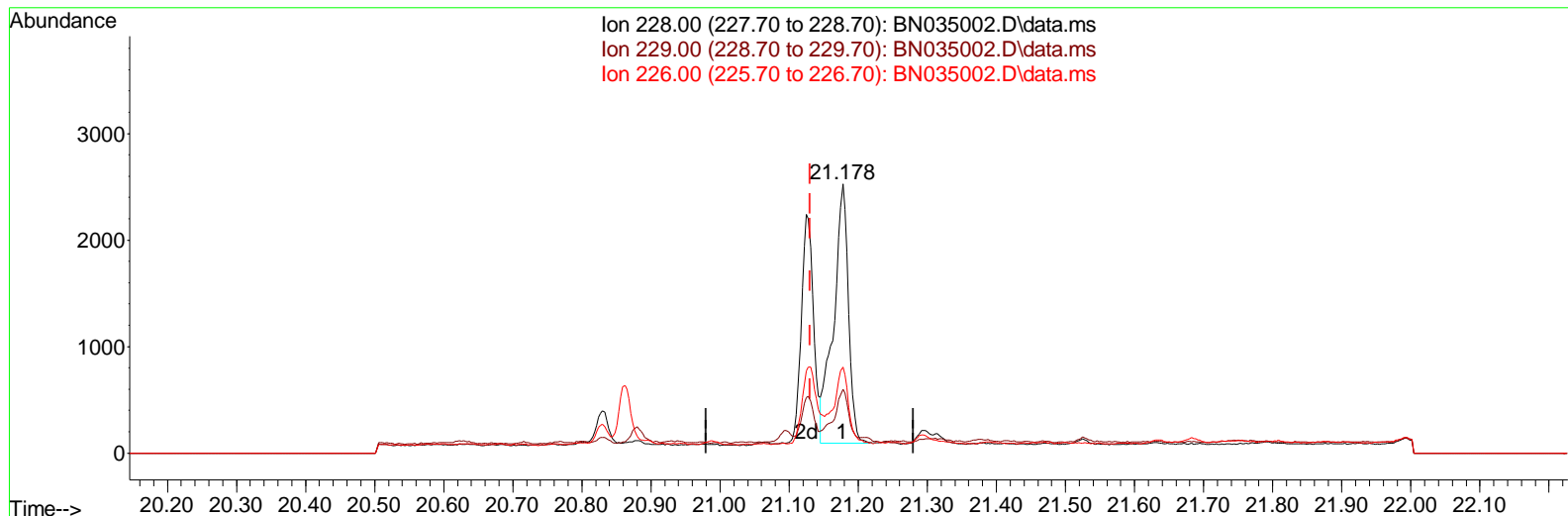
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

(21) Benzo(a)anthracene

21.178min (+ 0.047) 0.10 ng/ul

response 3649

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	23.72
226.00	27.70	32.04
0.00	0.00	0.00

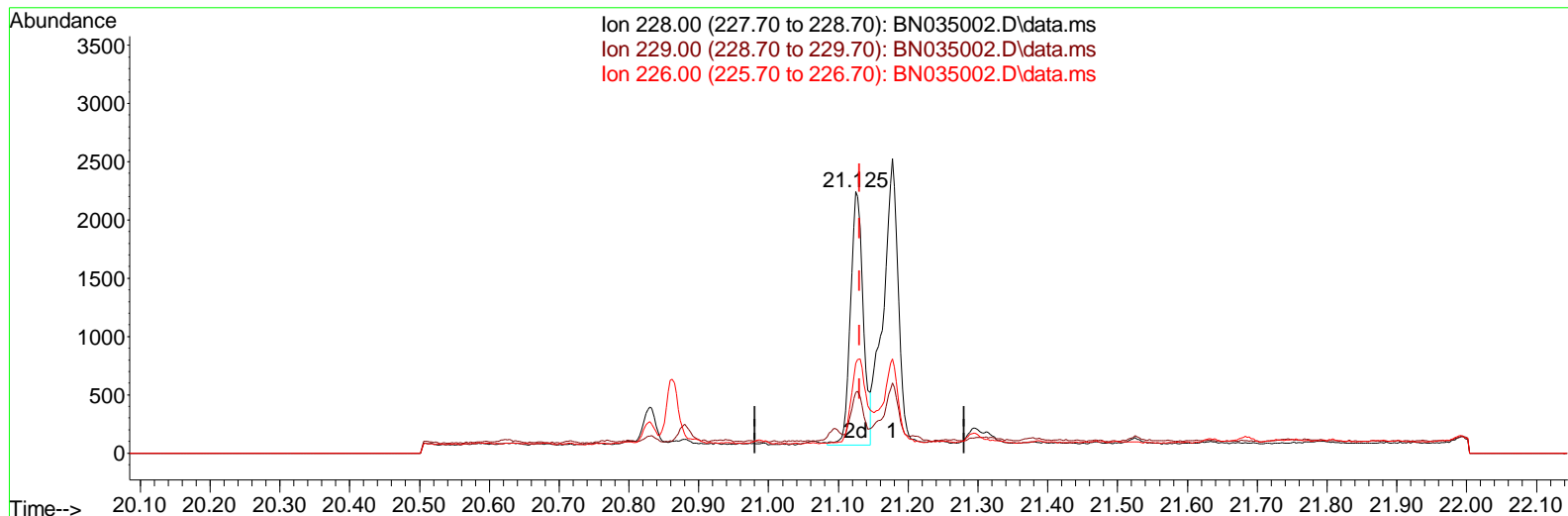
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

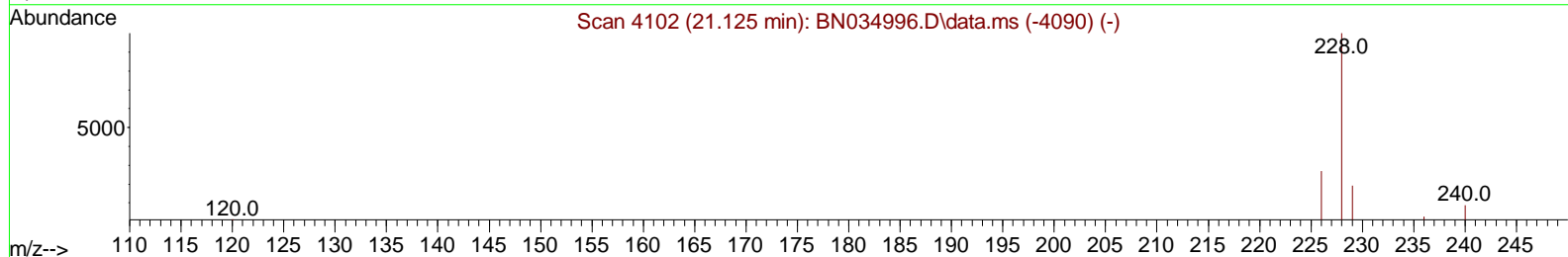
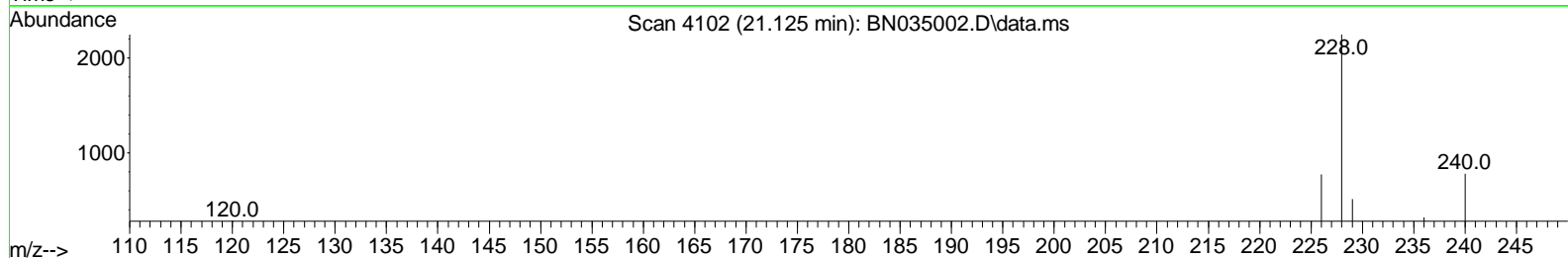
Manual Integrations APPROVED

Quant Time: Nov 11 13:56:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Ion 228.00 (227.70 to 228.70): BN035002.D\data.ms
 Ion 229.00 (228.70 to 229.70): BN035002.D\data.ms
 Ion 226.00 (225.70 to 226.70): BN035002.D\data.ms



TIC: BN035002.D\data.ms

(21) Benzo(a)anthracene

21.125min (-0.006) 0.08 ng/ul m

response 2753

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	23.14
226.00	27.70	34.42#
0.00	0.00	0.00

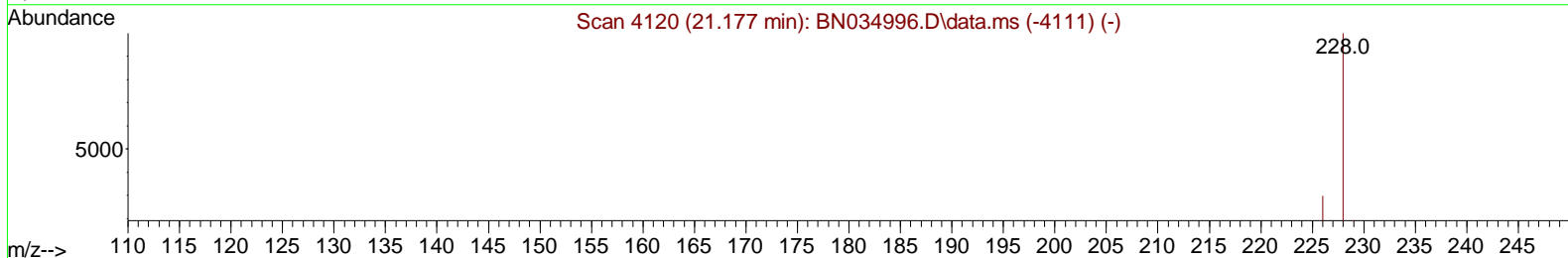
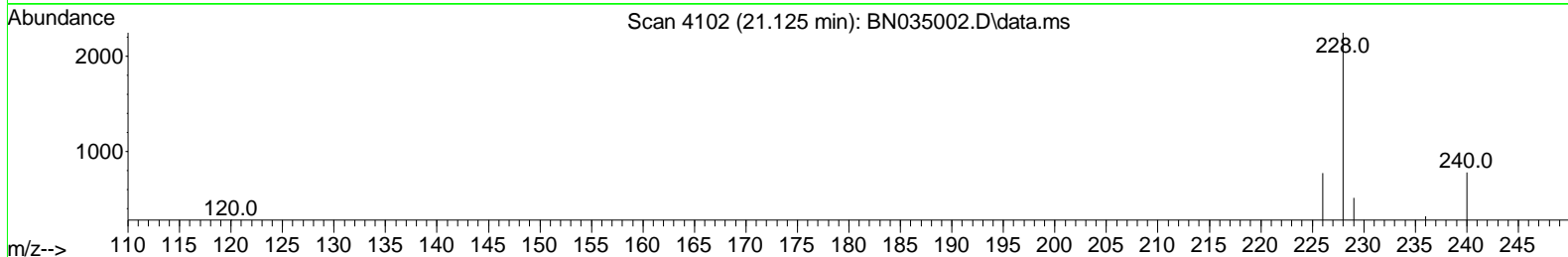
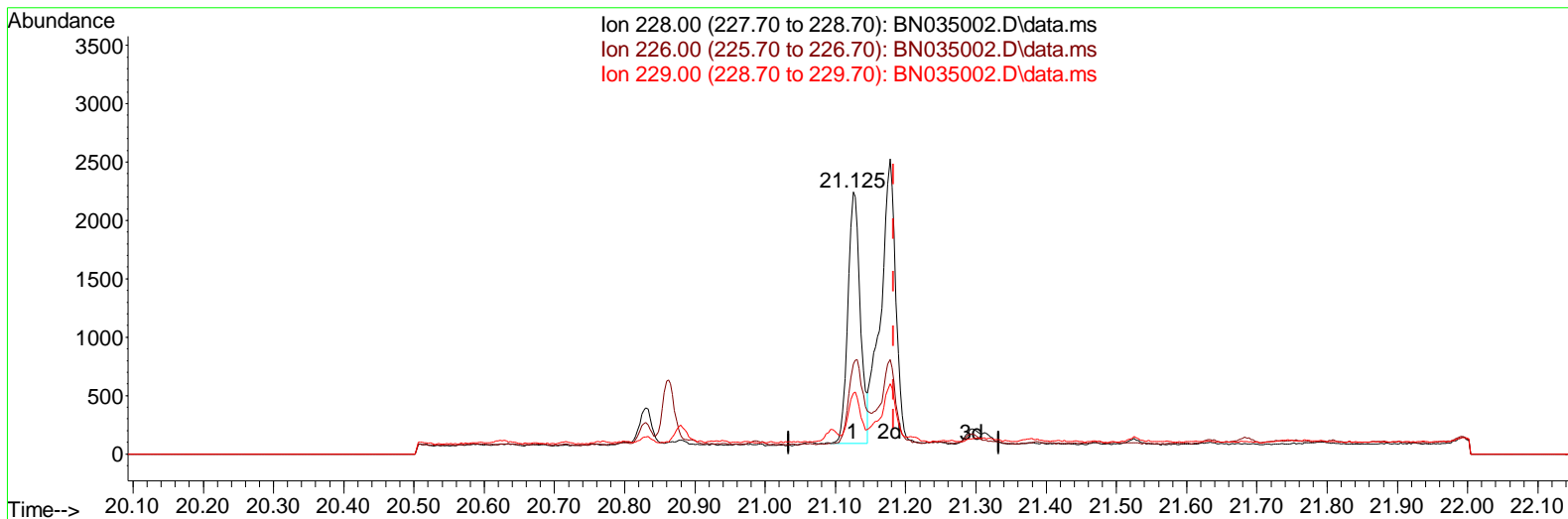
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 CC0Q9

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 11 13:56:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 09 00:09:12 2024
 Response via : Initial Calibration



TIC: BN035002.D\data.ms

(22) Chrysene

21.125min (-0.058) 0.07 ng/ul

response 2664

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.30	34.42
229.00	19.30	23.14
0.00	0.00	0.00

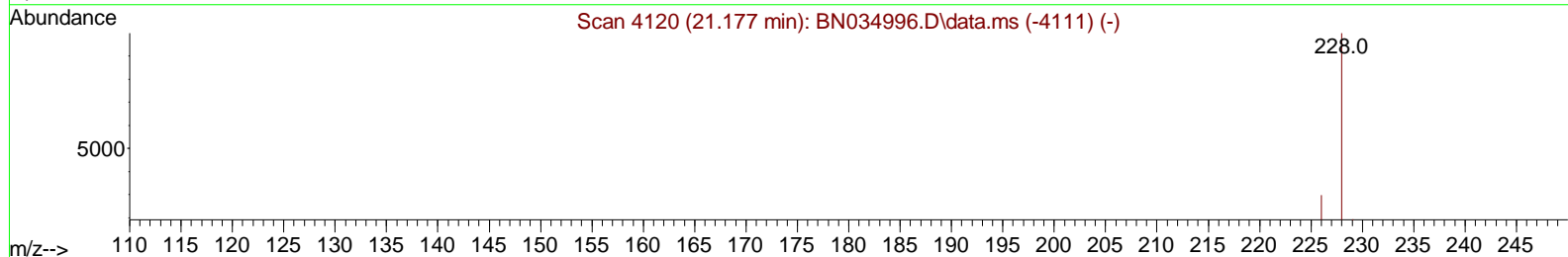
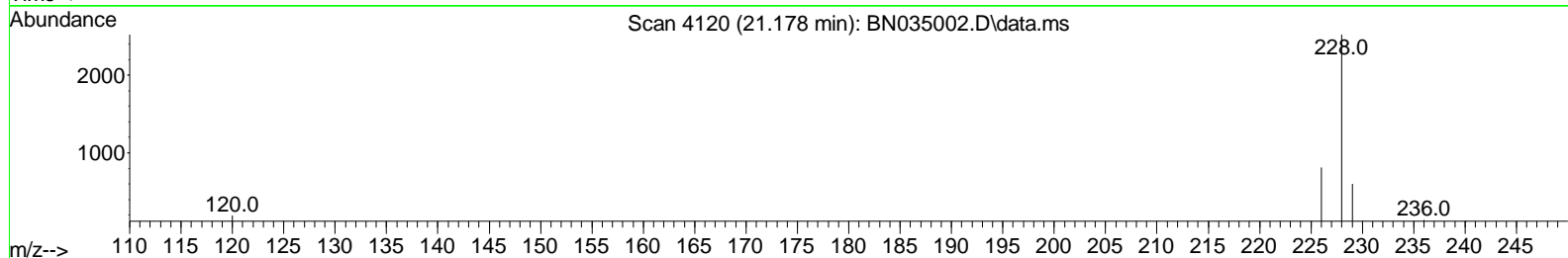
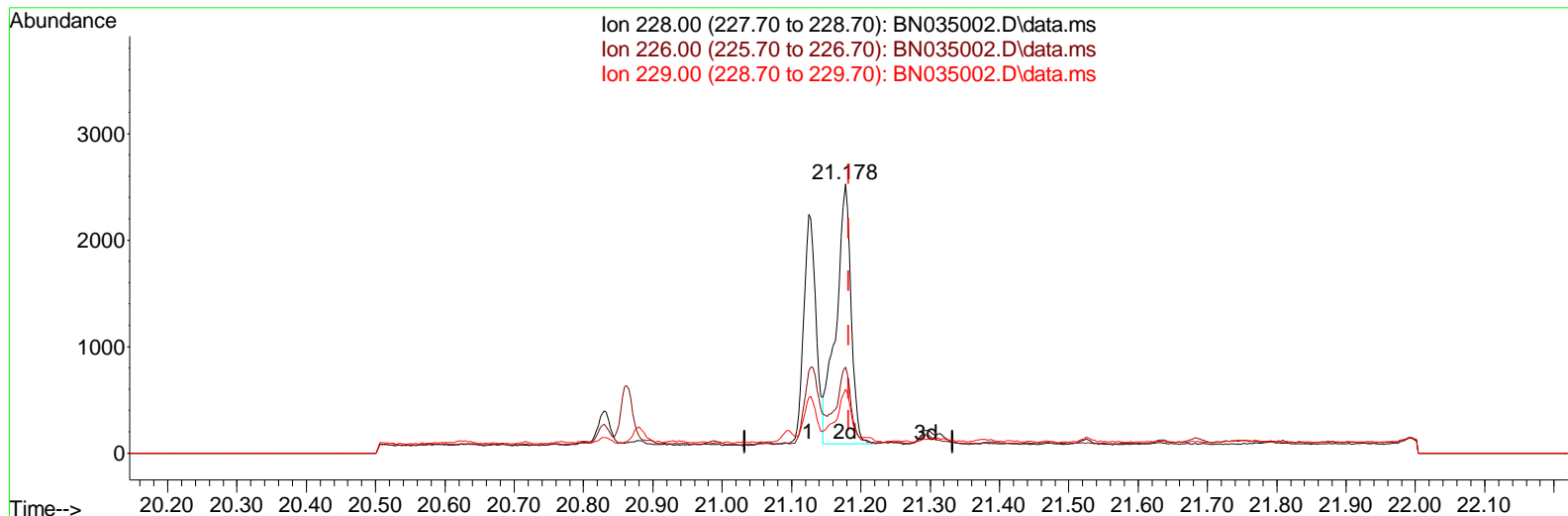
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

Quant Time: Nov 11 13:56:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 09 00:09:12 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/14/2024



TIC: BN035002.D\data.ms

(22) Chrysene

21.178min (-0.006) 0.10 ng/ul m

response 3661

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.30	32.04
229.00	19.30	23.72#
0.00	0.00	0.00

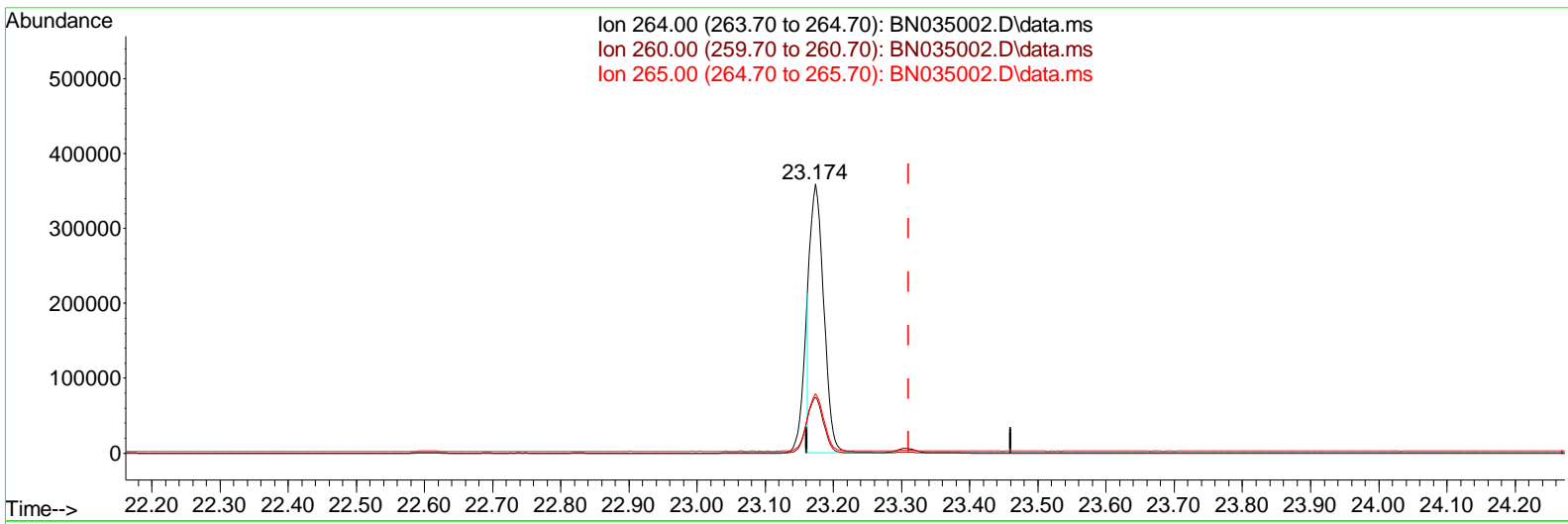
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 CC0Q9

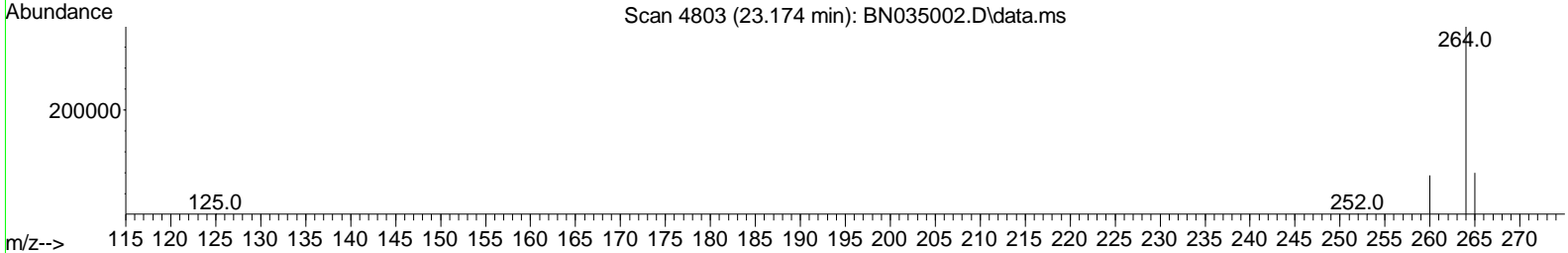
Manual Integrations APPROVED

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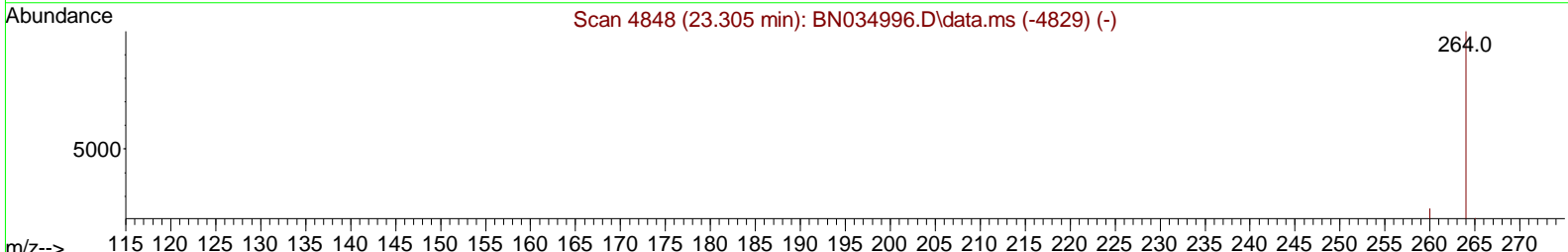
Quant Time: Nov 11 13:56:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
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Ion 264.00 (263.70 to 264.70): BN035002.D\data.ms
 Ion 260.00 (259.70 to 260.70): BN035002.D\data.ms
 Ion 265.00 (264.70 to 265.70): BN035002.D\data.ms



Scan 4803 (23.174 min): BN035002.D\data.ms



Scan 4848 (23.305 min): BN034996.D\data.ms (-4829) (-)

TIC: BN035002.D\data.ms

(23) Perylene-d12 (I)

23.174min (-0.137) 0.40 ng/ul

response 500372

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.40	20.84#
265.00	52.80	22.08#
0.00	0.00	0.00

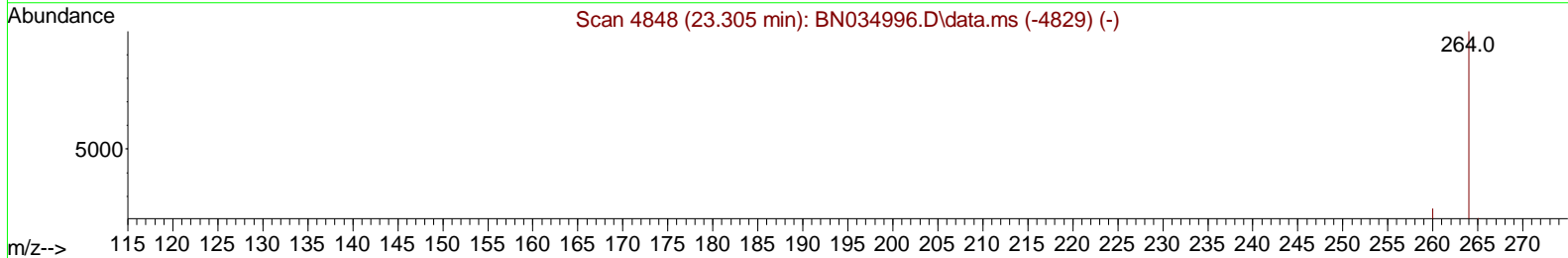
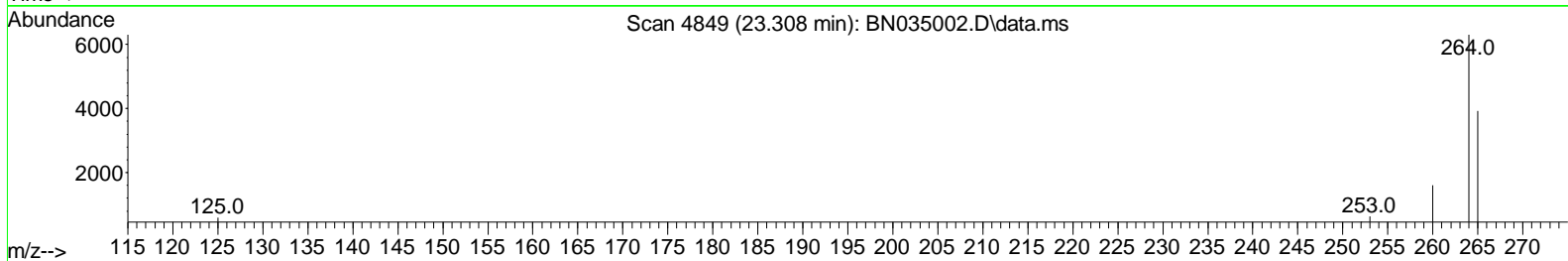
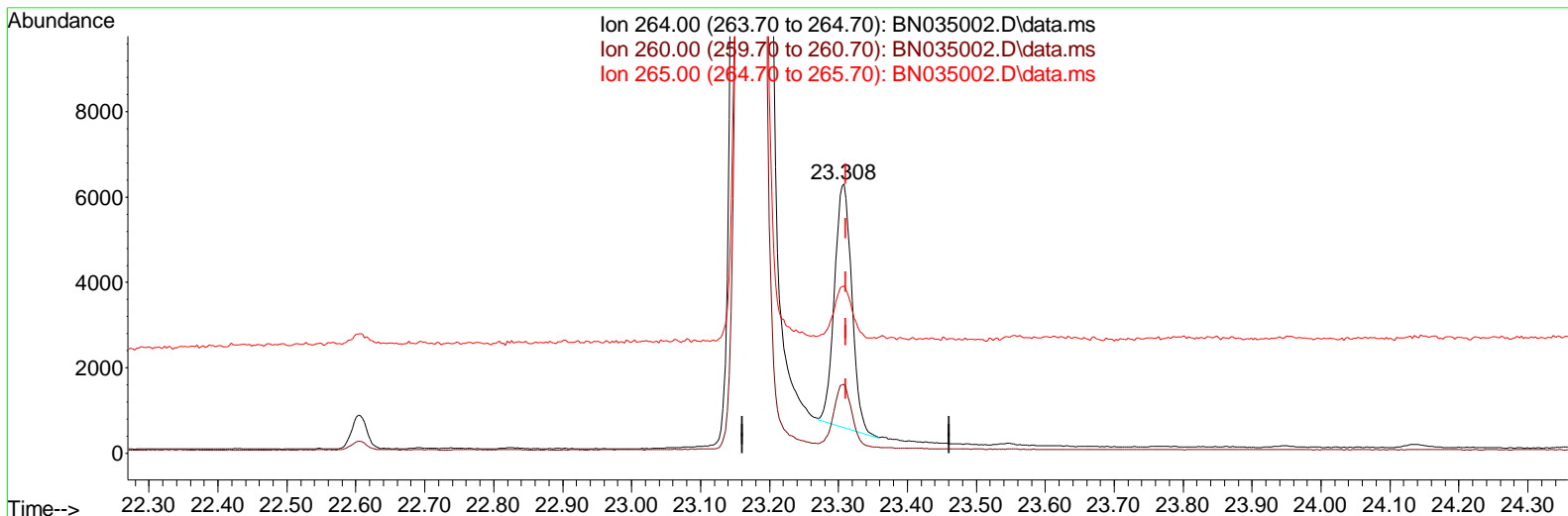
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

Reviewed By : Yogesh Patel 11/12/2024
 Supervised By : mohammad ahmed 11/14/2024

Quant Time: Nov 11 13:56:17 2024
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TIC: BN035002.D\data.ms

(23) Perylene-d12 (I)

23.308min (-0.003) 0.40 ng/ul m

response	9960
Ion	Exp% Act%
264.00	100.00 100.00
260.00	26.40 25.55
265.00	52.80 62.17
0.00	0.00 0.00

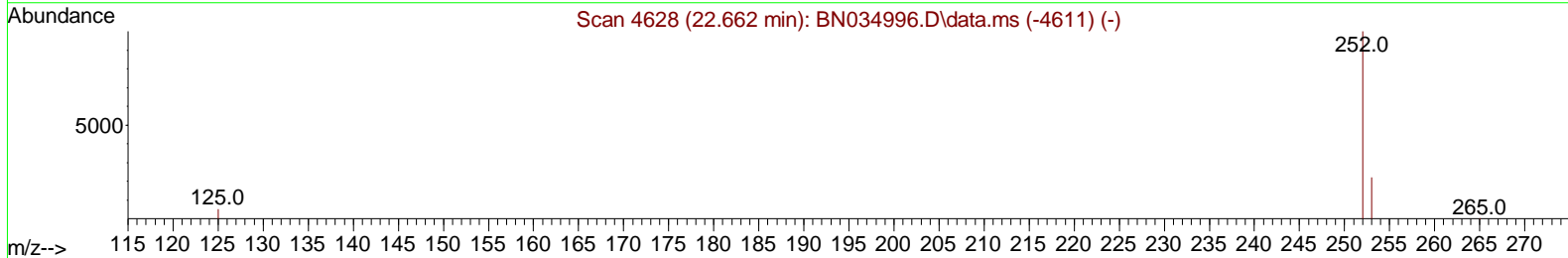
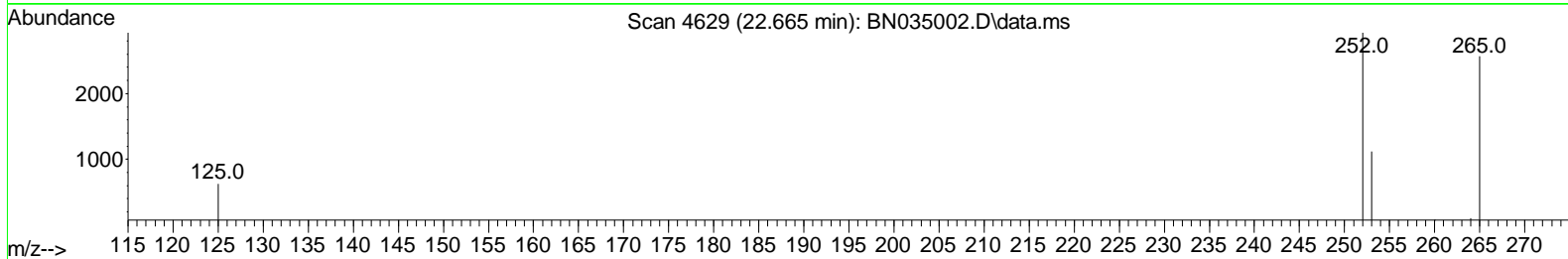
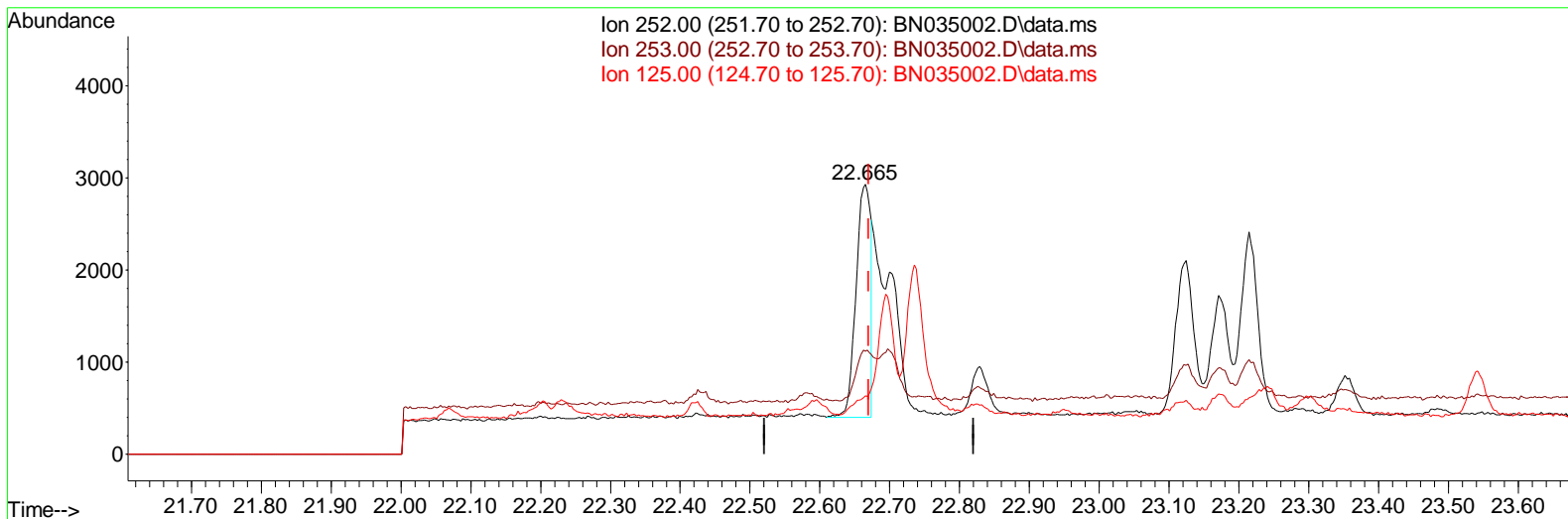
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
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 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.006) 0.11 ng/ul

response	3711
Ion	Exp% Act%
252.00	100.00 100.00
253.00	25.00 38.07
125.00	7.00 21.46#
0.00	0.00 0.00

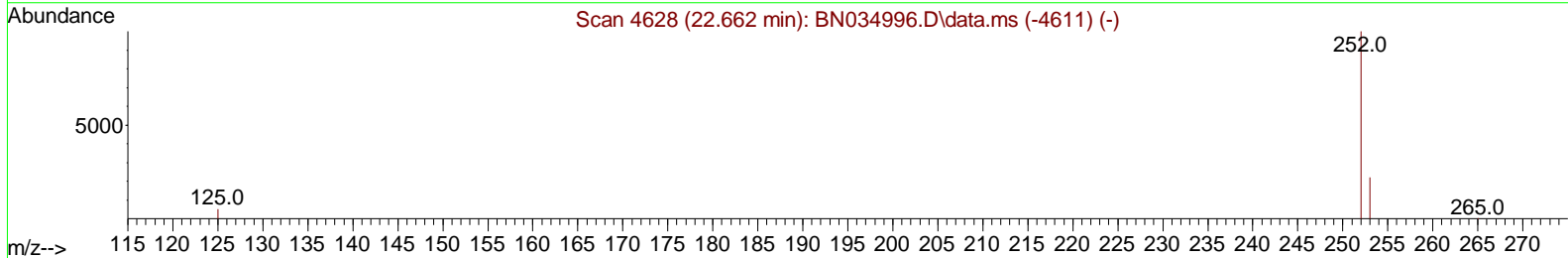
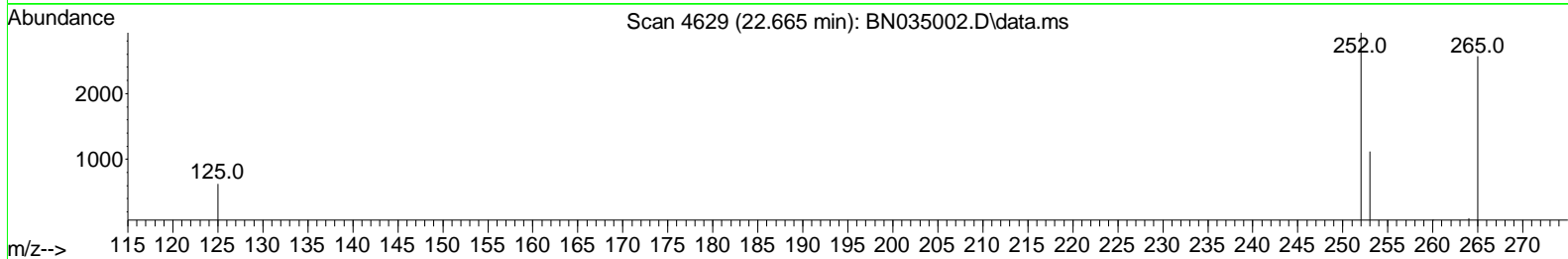
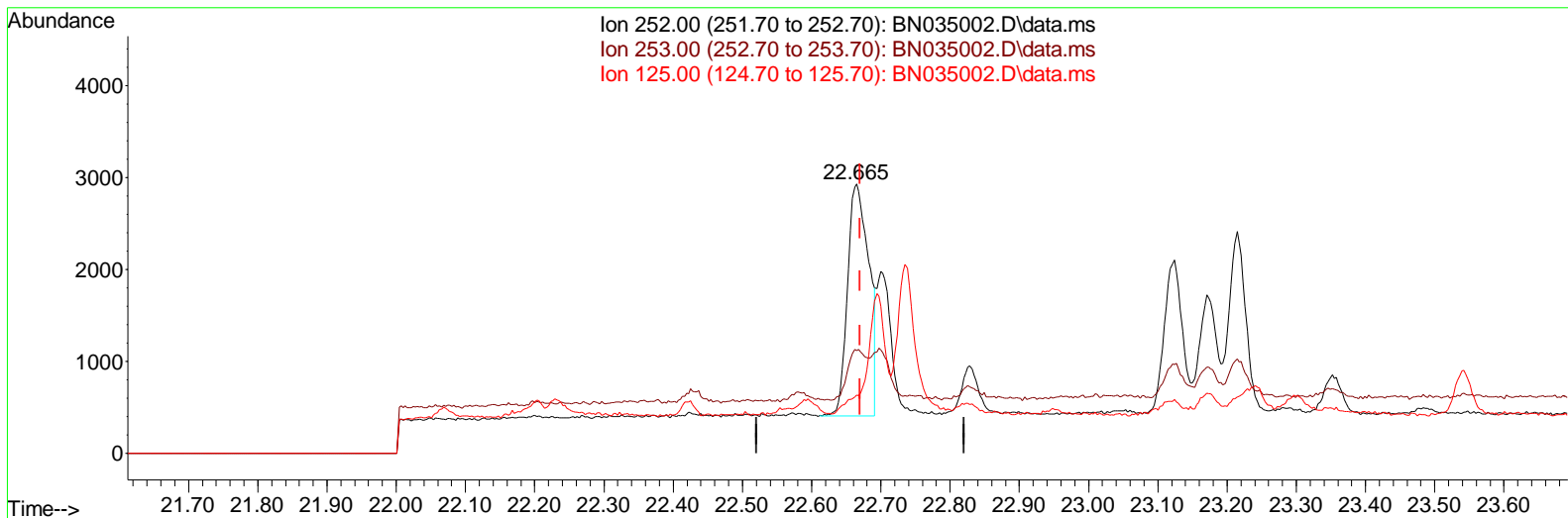
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

(24) Benzo(b)fluoranthene

22.665min (-0.006) 0.16 ng/ul m

response	5445		
Ion	Exp%	Act%	
252.00	100.00	100.00	
253.00	25.00	38.07	
125.00	7.00	21.46#	
0.00	0.00	0.00	

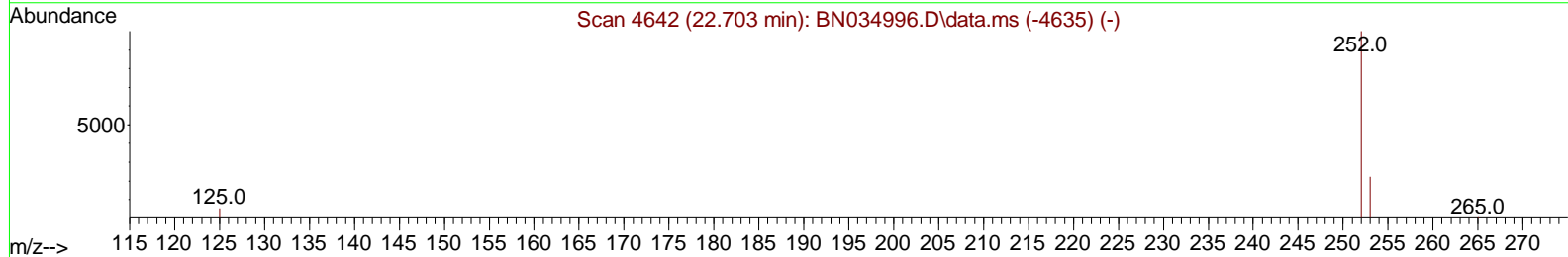
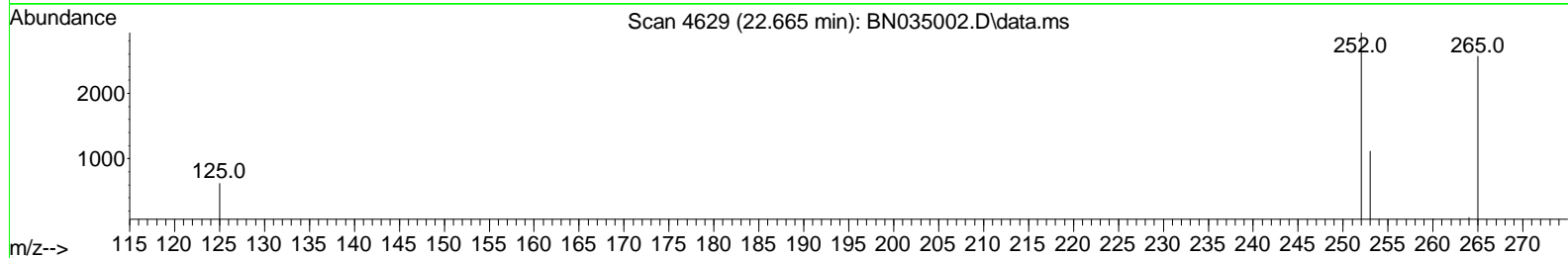
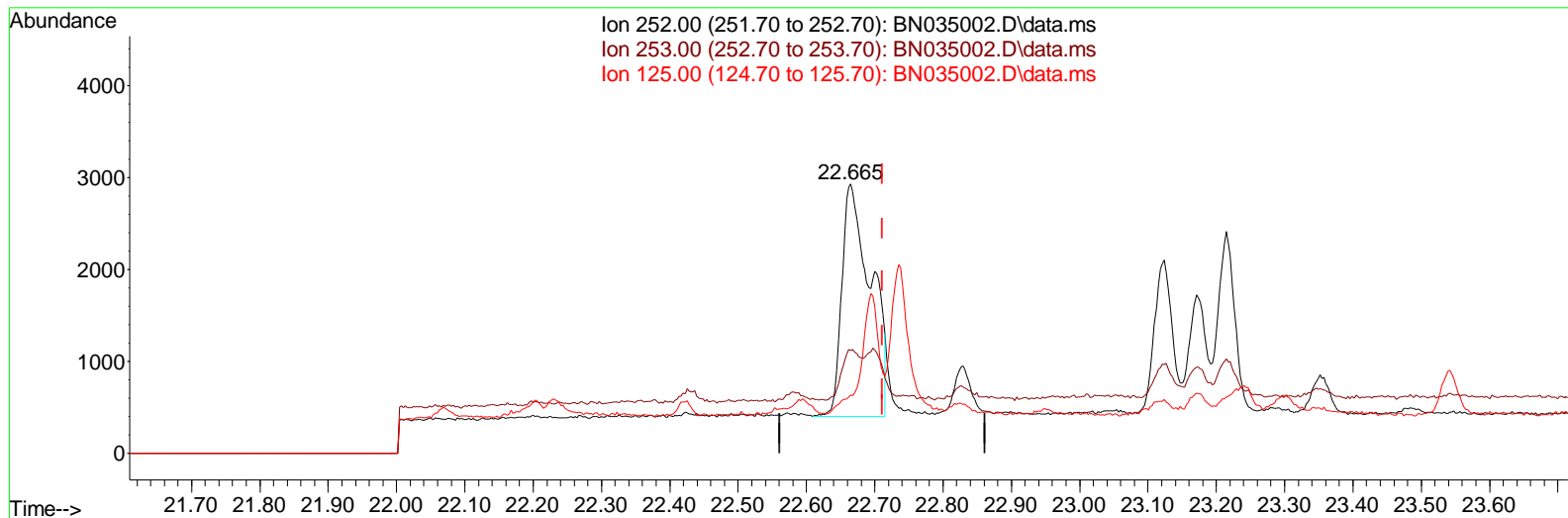
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

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TIC: BN035002.D\data.ms

(25) Benzo(k)fluoranthene

22.665min (-0.047) 0.20 ng/ul

response	7363
Ion	Exp% Act%
252.00	100.00 100.00
253.00	25.30 38.07#
125.00	7.30 21.46#
0.00	0.00 0.00

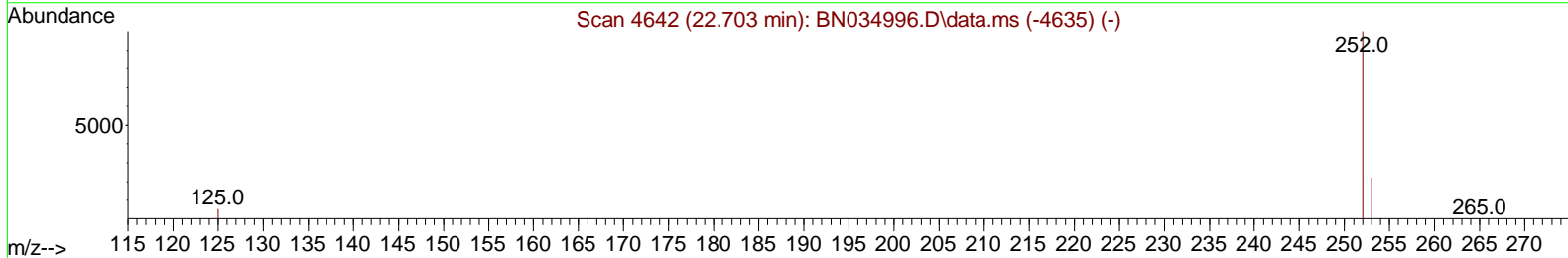
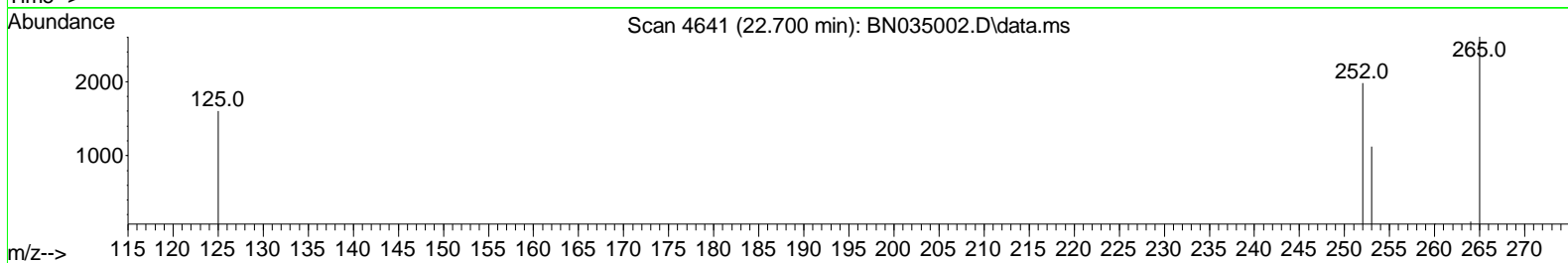
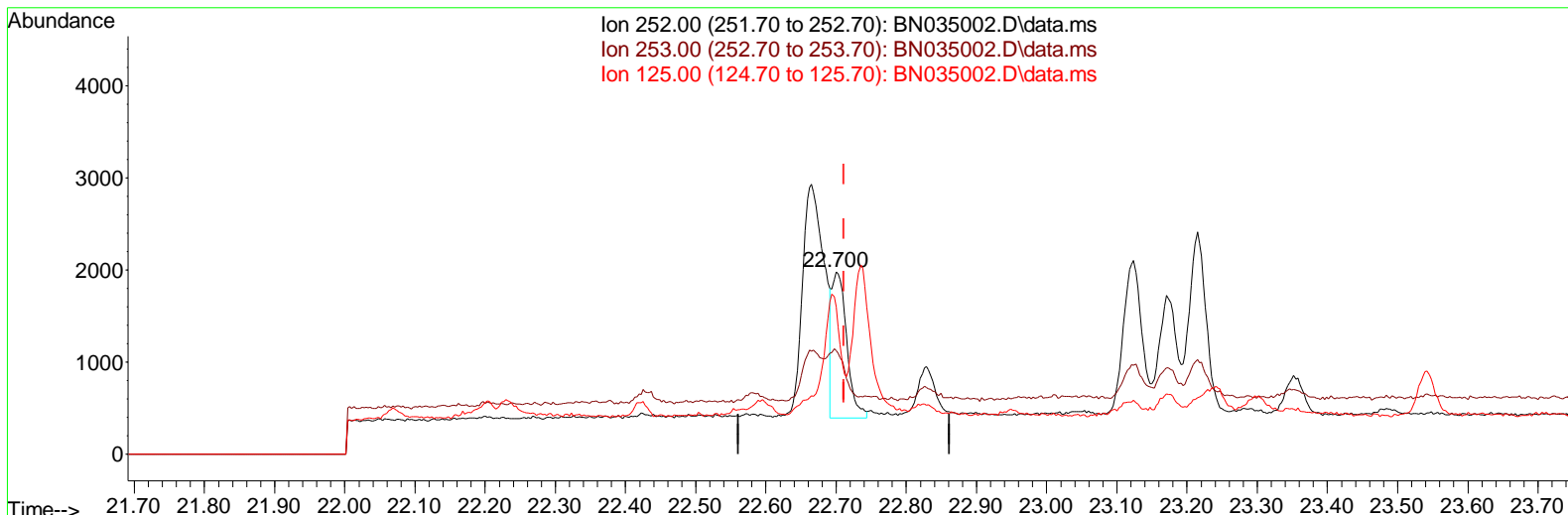
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

Quant Time: Nov 11 13:56:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 09 00:09:12 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/14/2024



TIC: BN035002.D\data.ms

(25) Benzo(k)fluoranthene

22.700min (-0.012) 0.06 ng/ul m

response	2299	
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.30	56.65#
125.00	7.30	80.93#
0.00	0.00	0.00

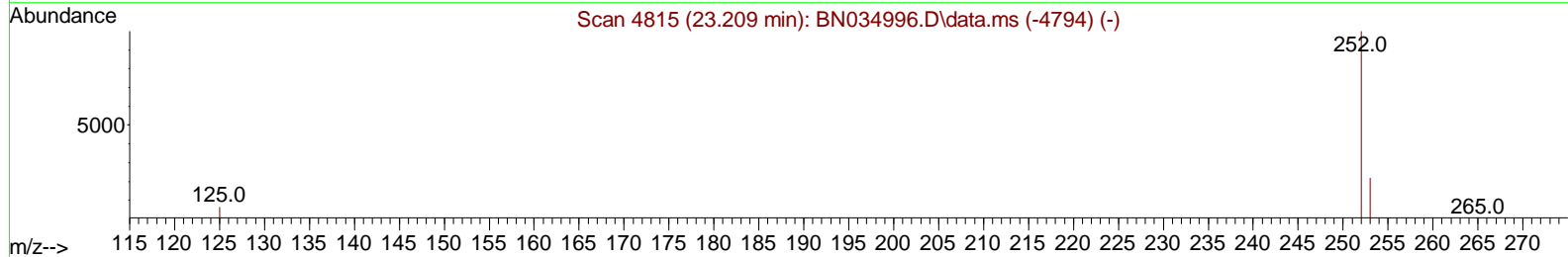
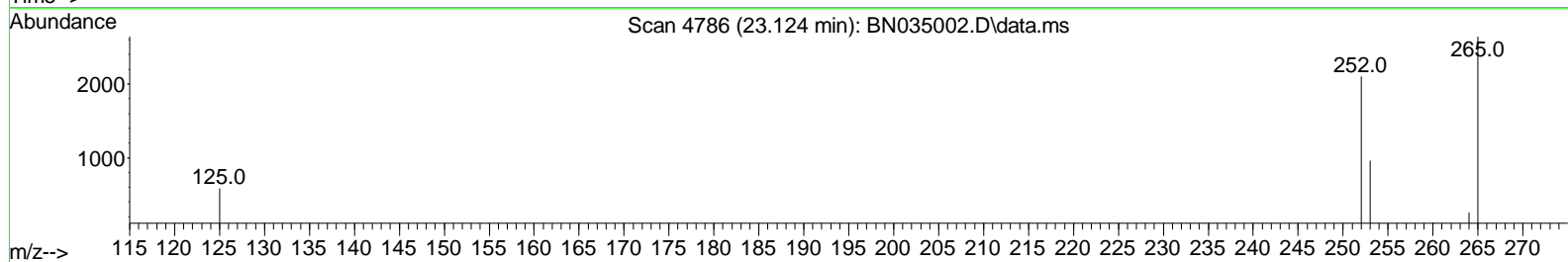
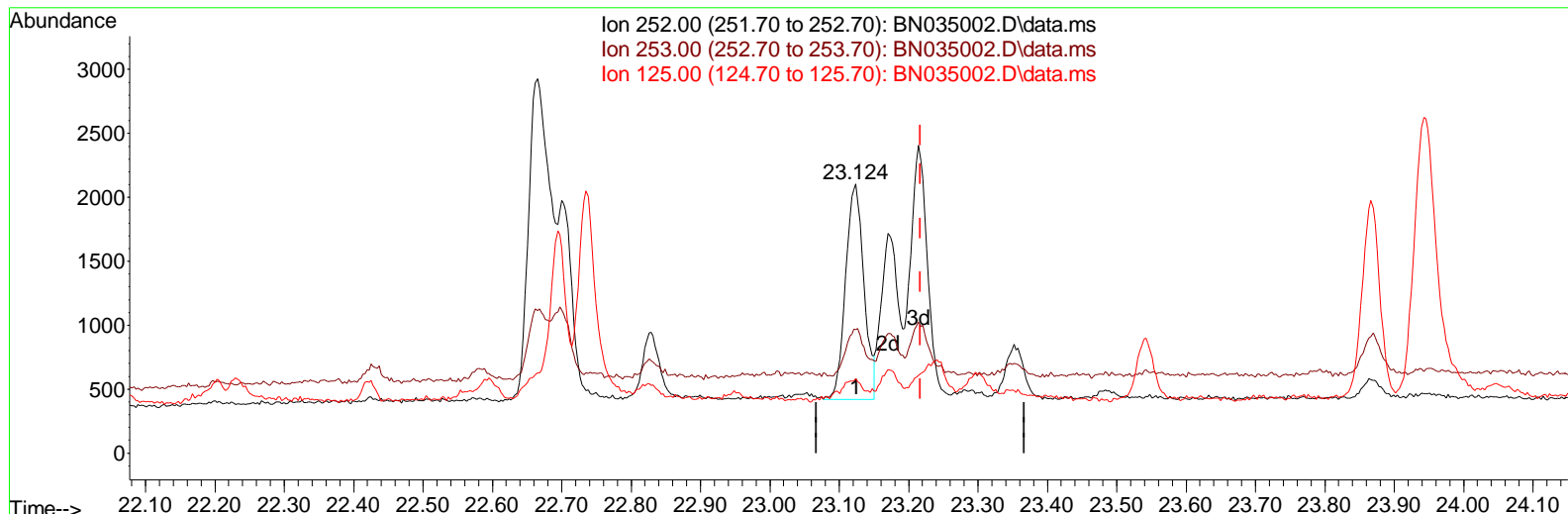
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

(26) Benzo(a)pyrene (C)

23.124min (-0.093) 0.10 ng/ul

response	3095	
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	45.79#
125.00	7.90	27.77#
0.00	0.00	0.00

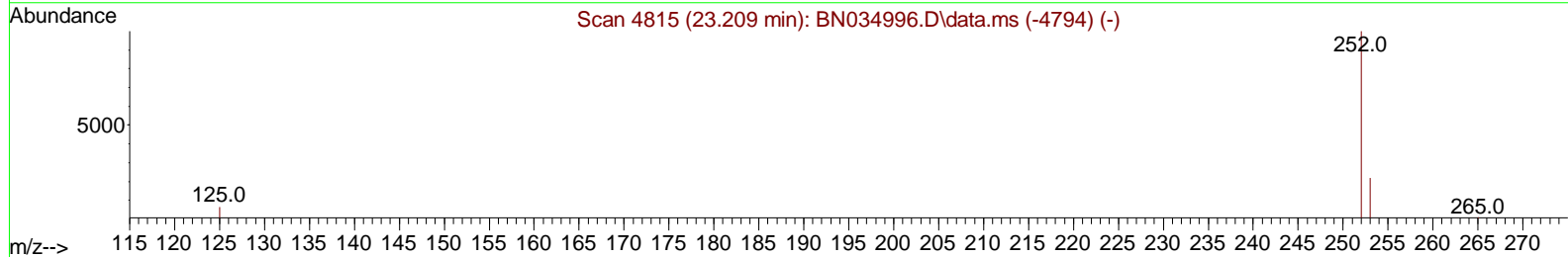
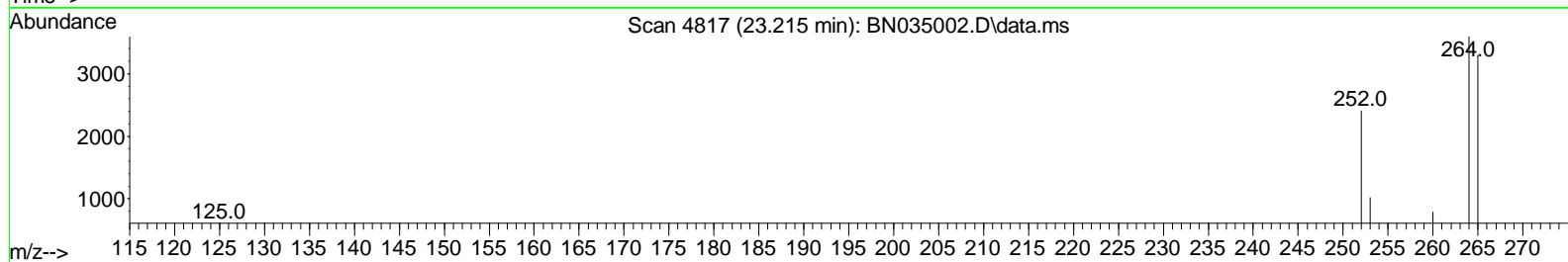
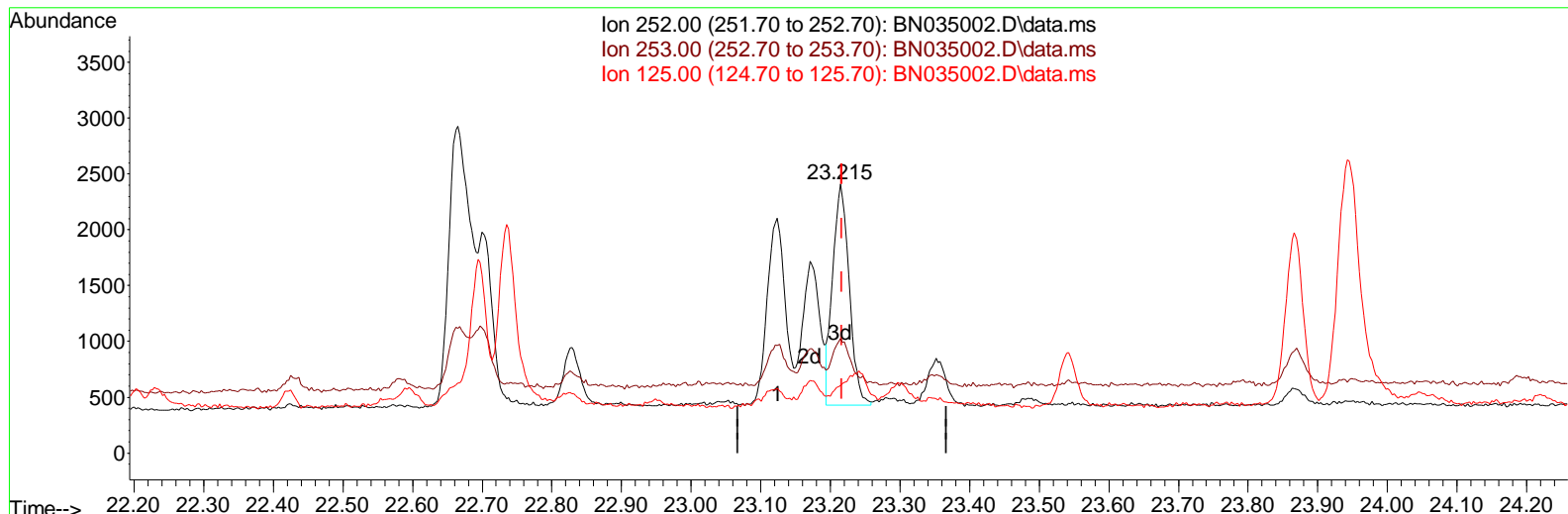
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

Quant Time: Nov 11 13:56:17 2024
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TIC: BN035002.D\data.ms

(26) Benzo(a)pyrene (C)

23.215min (-0.003) 0.10 ng/ul m

response	3252
Ion	Exp% Act%
252.00	100.00 100.00
253.00	26.50 42.51#
125.00	7.90 25.24#
0.00	0.00 0.00

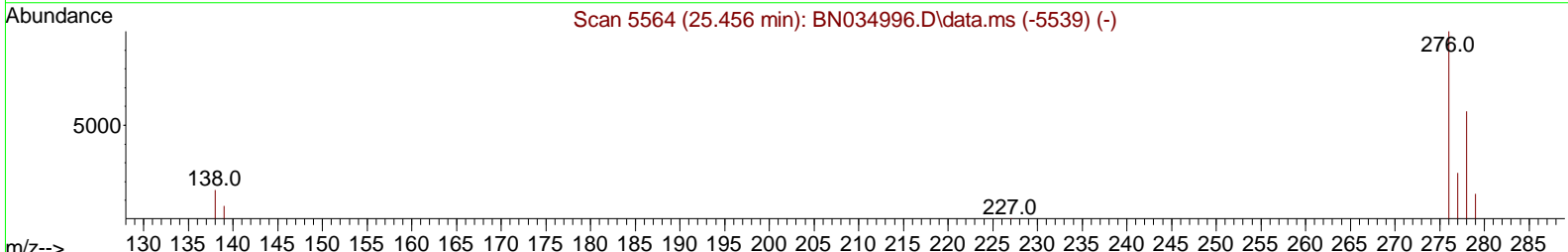
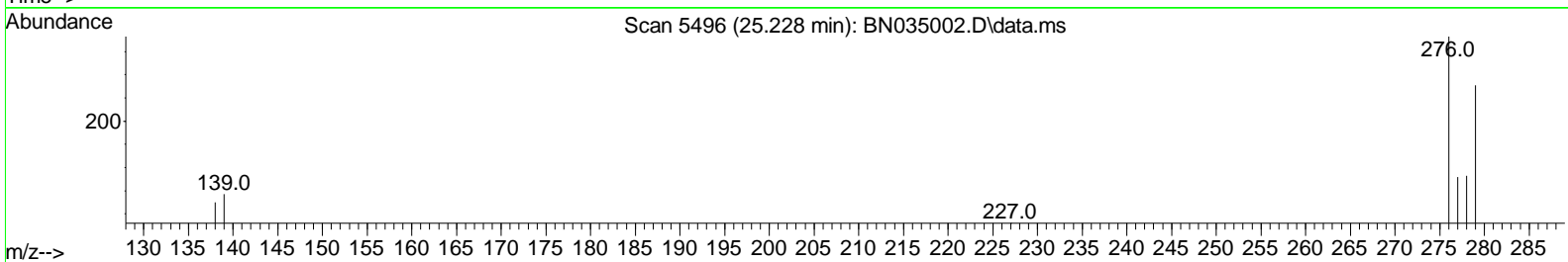
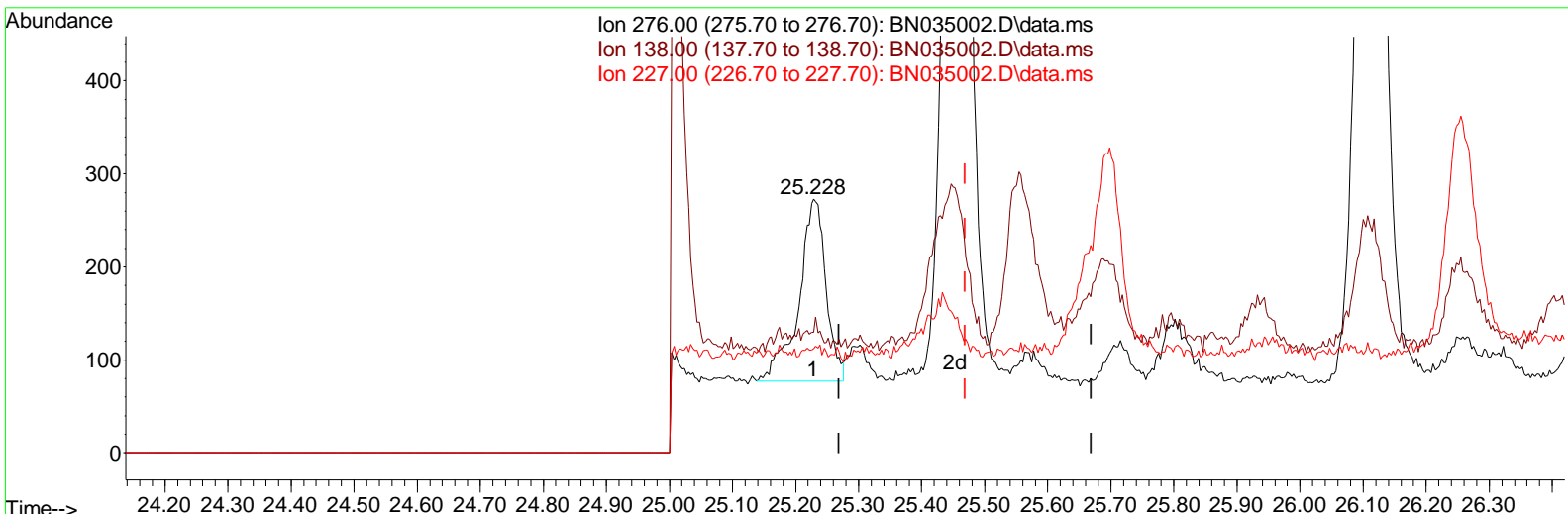
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

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

25.228min (-0.241) 0.02 ng/ul

response 589

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.50	4.58#
227.00	0.30	1.36#
0.00	0.00	0.00

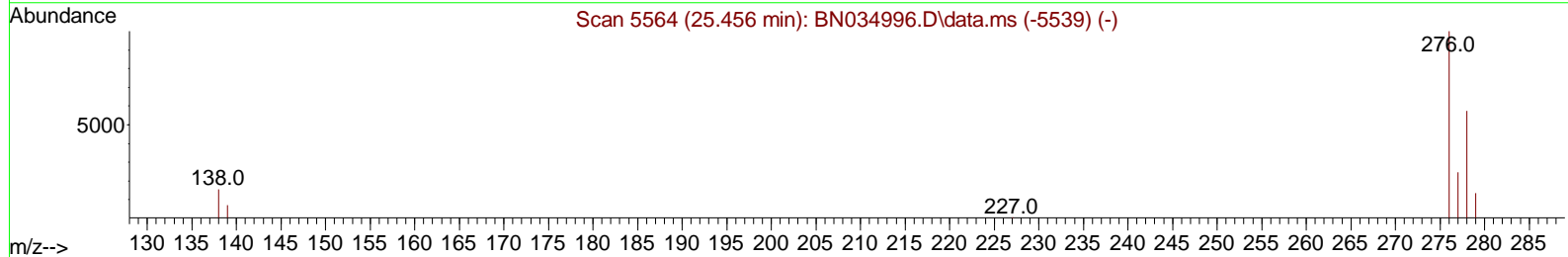
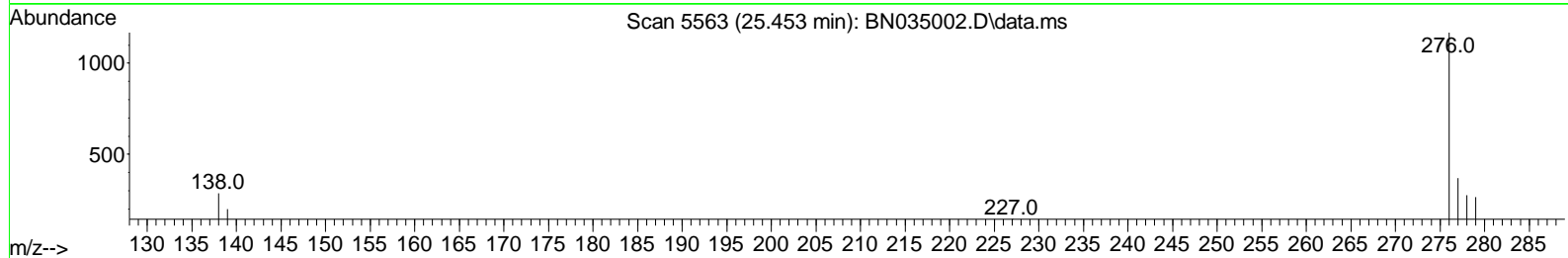
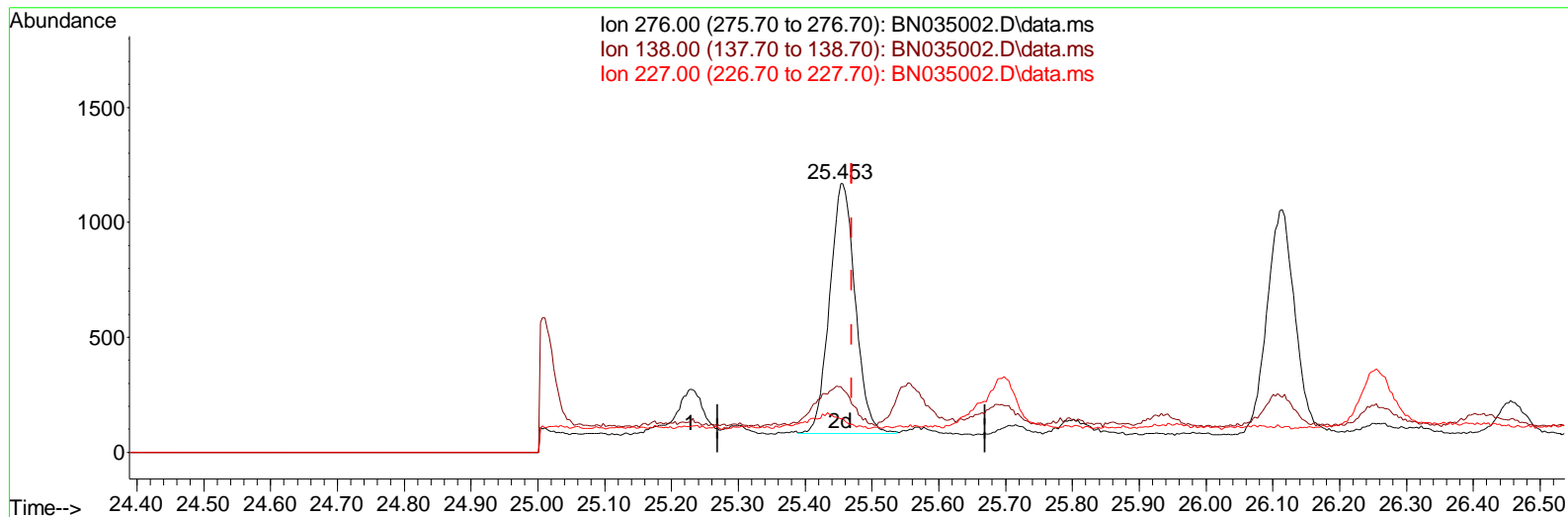
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

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

25.453min (-0.017) 0.08 ng/ul m

response	2892
Ion	Exp% Act%
276.00	100.00 100.00
138.00	13.50 0.93#
227.00	0.30 0.28
0.00	0.00 0.00

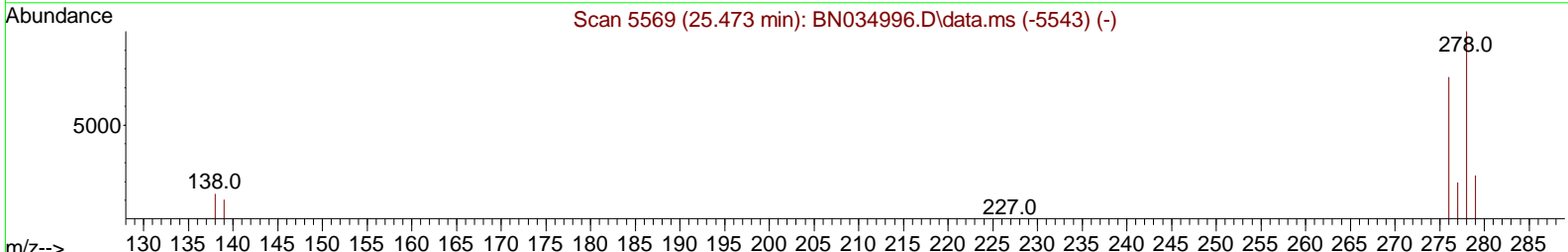
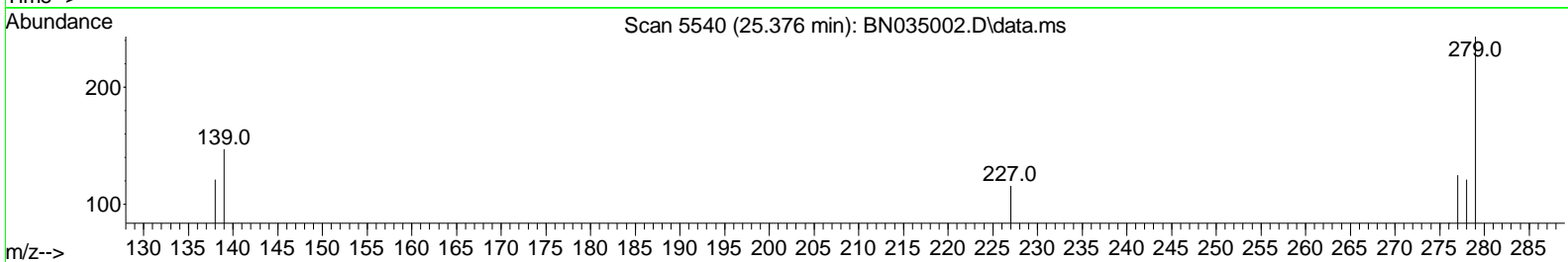
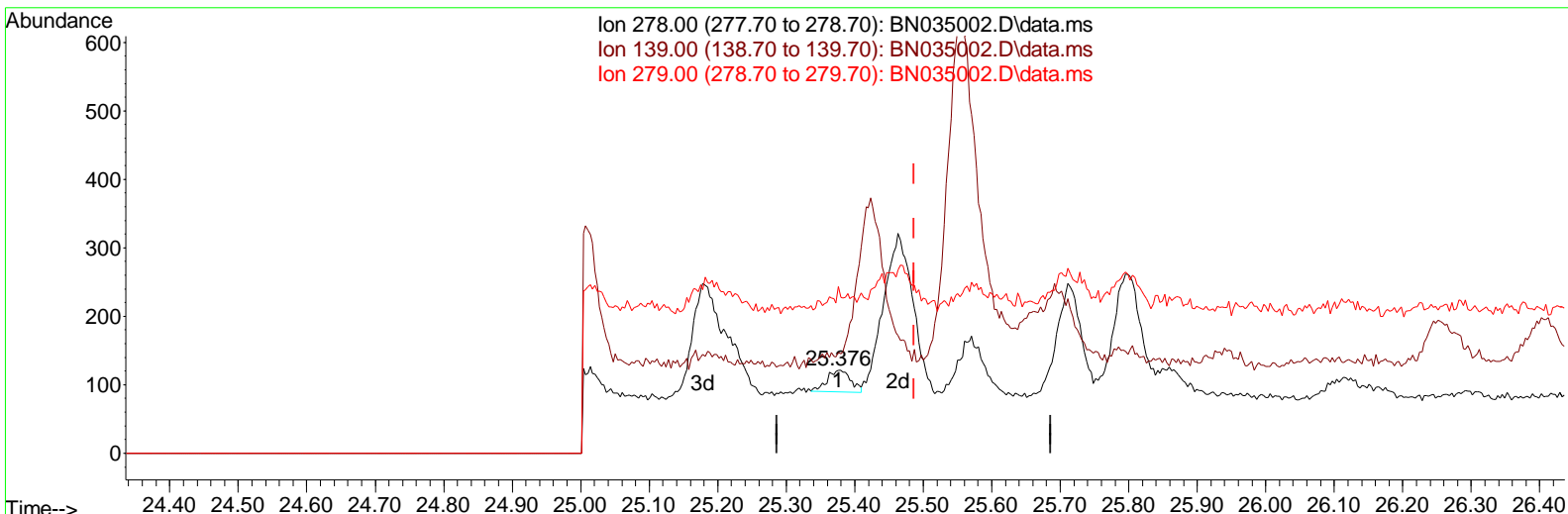
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

(28) Dibenzo(a,h)anthracene

25.376min (-0.111) 0.00 ng/ul

response 74

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	10.50	121.49#
279.00	26.90	200.83#
0.00	0.00	0.00

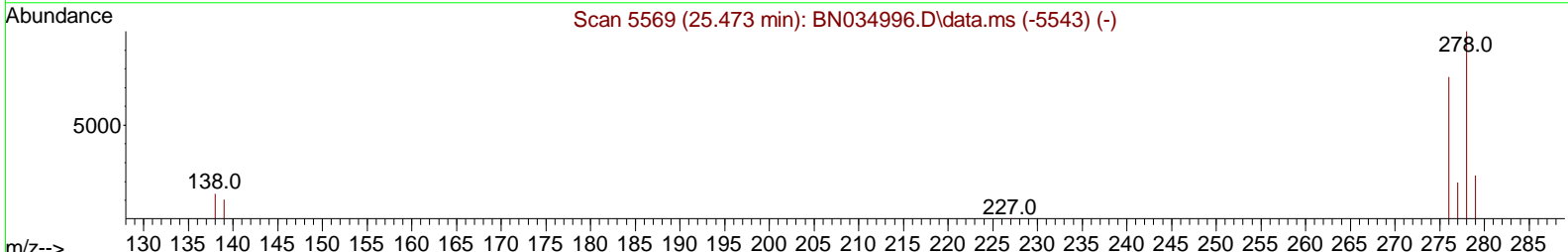
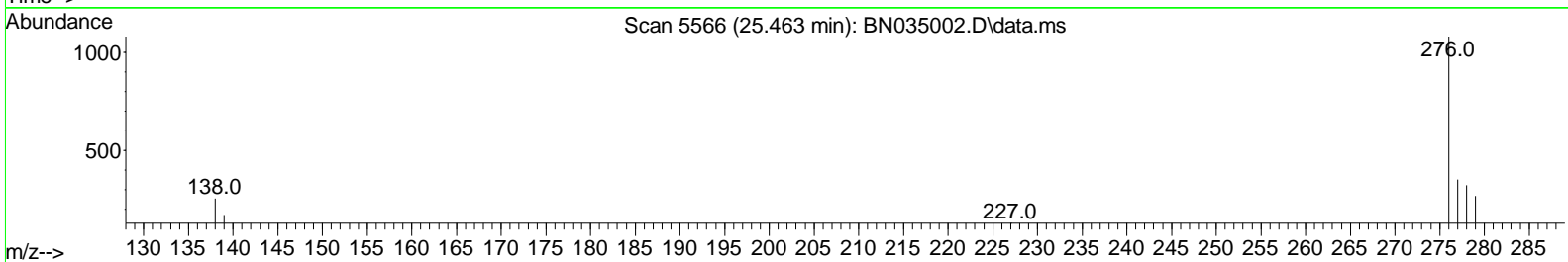
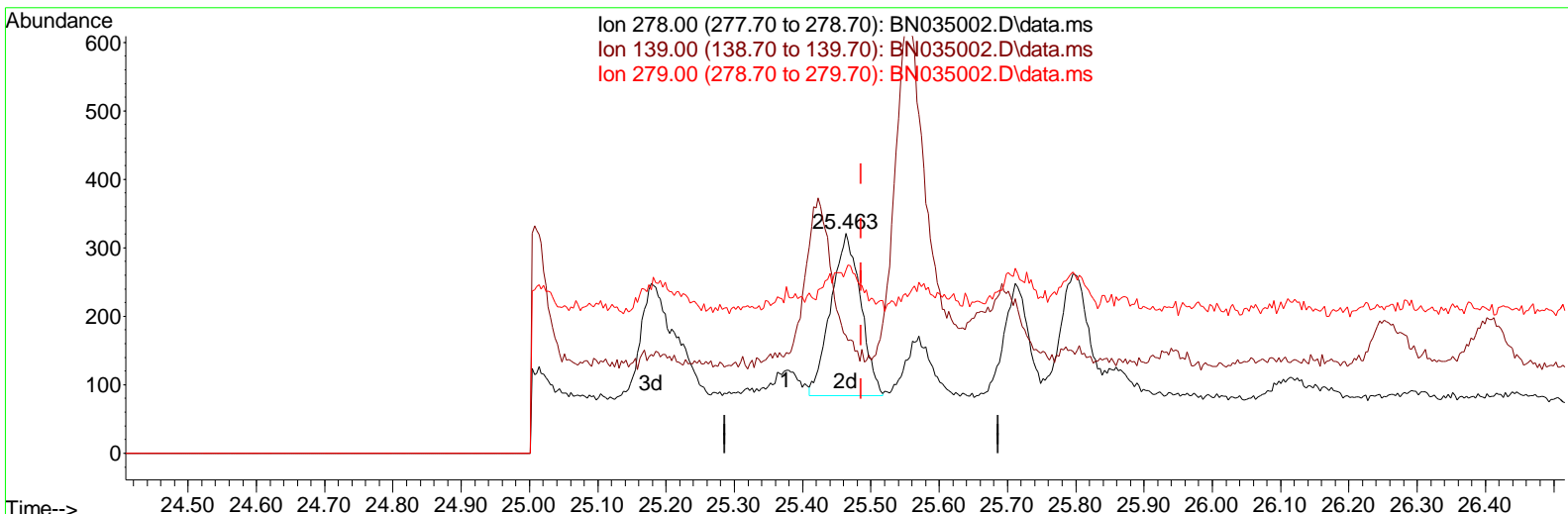
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

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TIC: BN035002.D\data.ms

(28) Dibenzo(a,h)anthracene

25.463min (-0.023) 0.02 ng/ul m

response 718

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	10.50	53.58#
279.00	26.90	83.18#
0.00	0.00	0.00

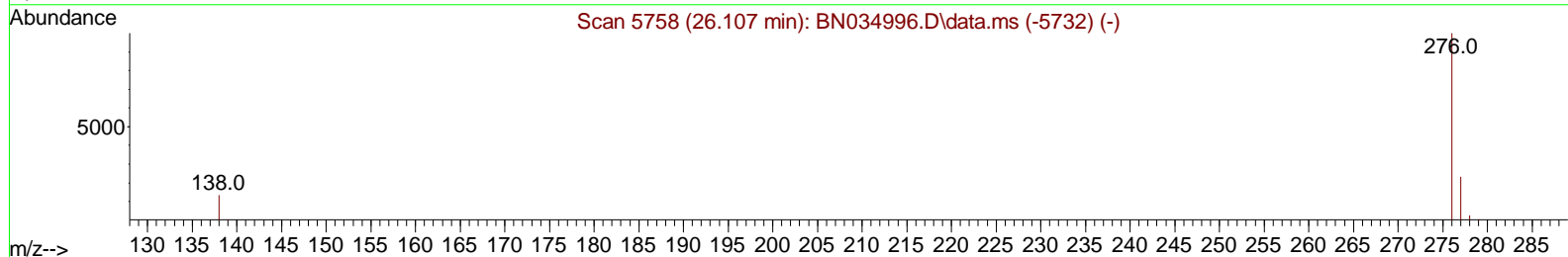
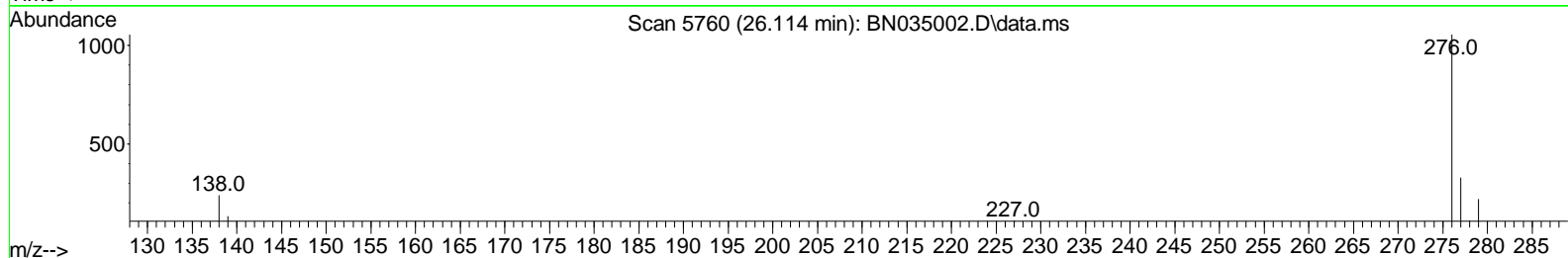
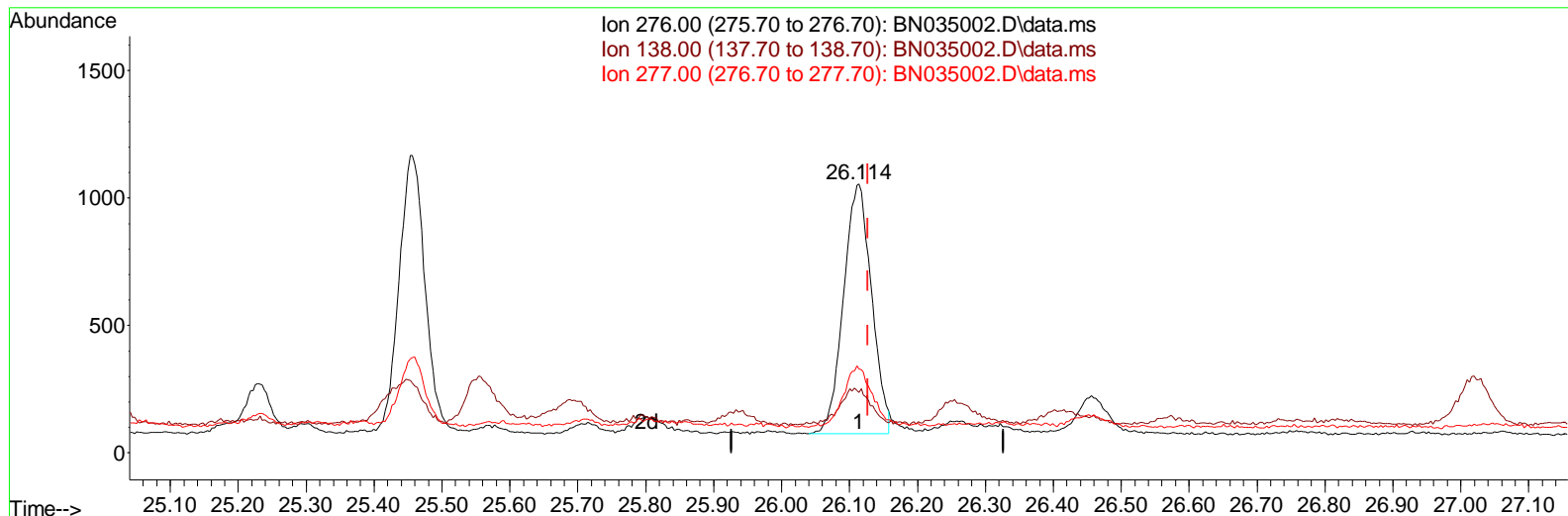
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

Manual Integrations APPROVED

Quant Time: Nov 11 13:56:17 2024
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 Supervised By :mohammad ahmed 11/14/2024



TIC: BN035002.D\data.ms

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

26.114min (-0.013) 0.10 ng/ul

response 2814

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	12.90	22.56#
277.00	25.20	31.28#
0.00	0.00	0.00

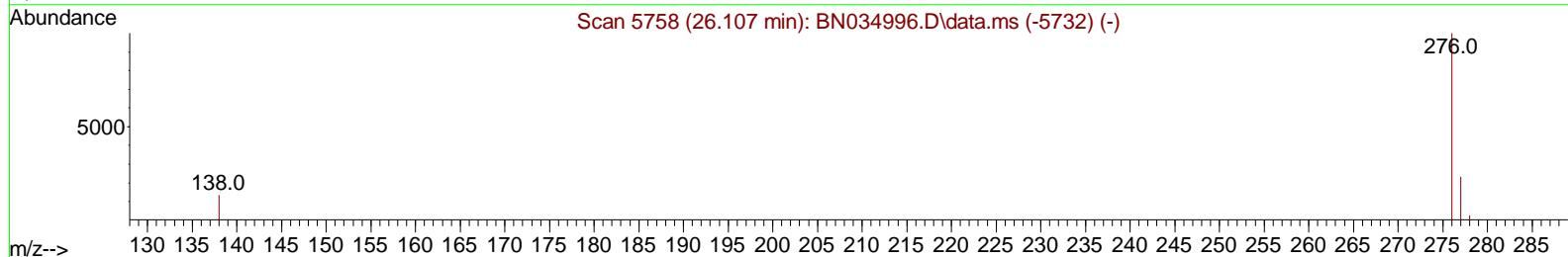
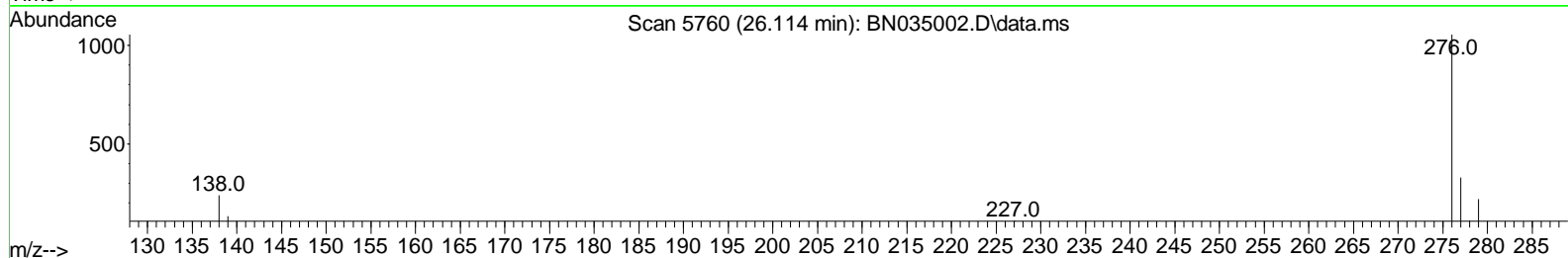
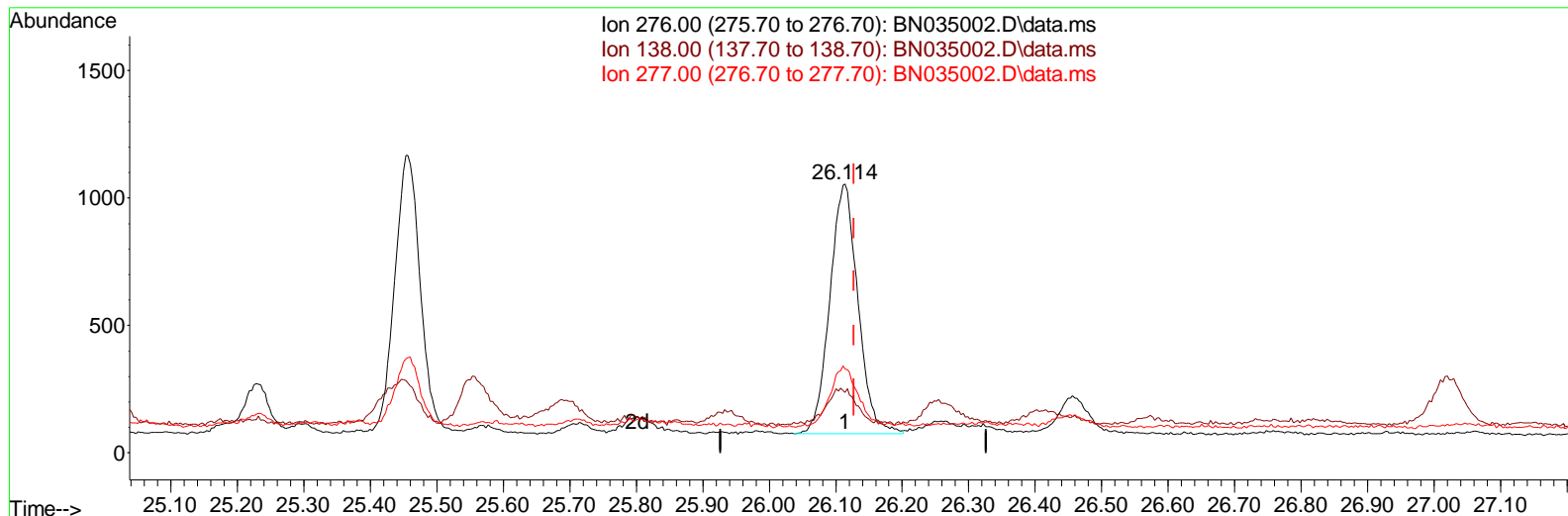
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035002.D
 Acq On : 11 Nov 2024 13:24
 Operator : RC/JU
 Sample : P4636-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CC0Q9

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TIC: BN035002.D\data.ms

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

26.114min (-0.013) 0.10 ng/ul m

response	2889
Ion	Exp% Act%
276.00	100.00 100.00
138.00	12.90 22.56#
277.00	25.20 31.28#
0.00	0.00 0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
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 Operator : RC/JU
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 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Compound	R.T.	QI on	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.562	152	3013	0.400	ng/ul	-0.01	
4) Naphthalene-d8	10.328	136	7614	0.400	ng/ul	-0.01	
9) Acenaphthene-d10	14.199	164	5097	0.400	ng/ul	0.00	
13) Phenanthrene-d10	16.945	188	11053m	0.400	ng/ul	0.00	
17) Chrysene-d12	21.142	240	9698	0.400	ng/ul	# 0.00	
23) Perylene-d12	23.308	264	9960m	0.400	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.149	96	10066	3.511	ng/ul	0.00	
6) 2-Methylnaphthalene-d10	11.923	152	2764	0.237	ng/ul	-0.01	
18) Fluoranthene-d10	18.981	212	6752	0.271	ng/ul	0.00	
Target Compounds							
							Qvalue
5) Naphthalene	10.377	128	444	0.023	ng/ul #		70
15) Phenanthrene	16.988	178	2867	0.097	ng/ul		96
19) Fluoranthene	19.009	202	4882	0.151	ng/ul #		93
20) Pyrene	19.372	202	5304m	0.158	ng/ul		
21) Benzo(a)anthracene	21.125	228	2753m	0.078	ng/ul		
22) Chrysene	21.178	228	3661m	0.102	ng/ul		
24) Benzo(b)fluoranthene	22.665	252	5445m	0.155	ng/ul		
25) Benzo(k)fluoranthene	22.700	252	2299m	0.063	ng/ul		
26) Benzo(a)pyrene	23.215	252	3252m	0.104	ng/ul		
27) Indeno(1,2,3-cd)pyrene	25.453	276	2892m	0.076	ng/ul		
28) Di benzo(a,h)anthracene	25.463	278	718m	0.024	ng/ul		
29) Benzo(g,h,i)perylene	26.114	276	2889m	0.099	ng/ul		

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

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 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED

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