

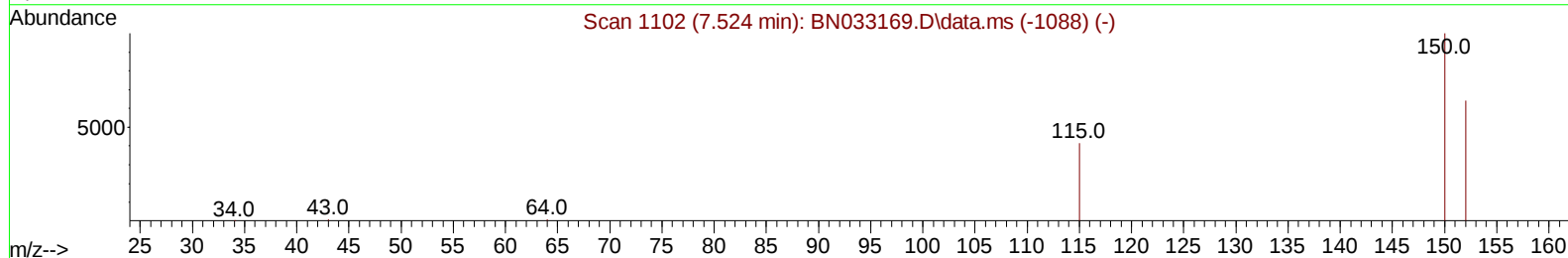
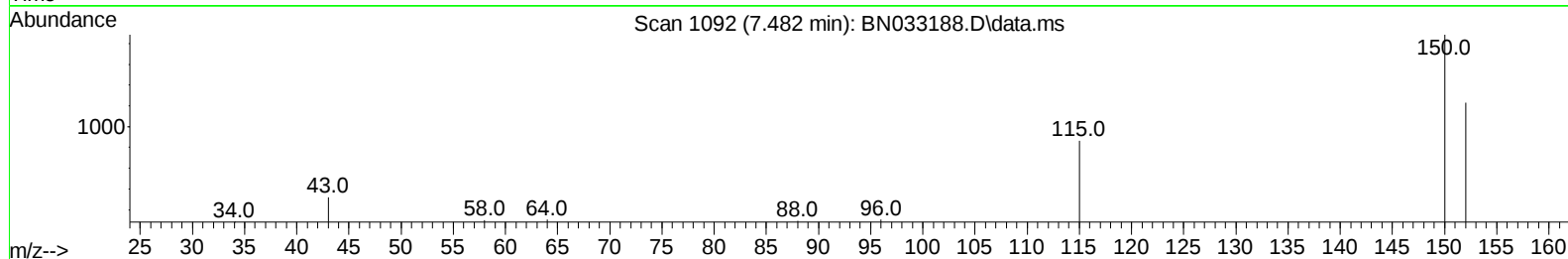
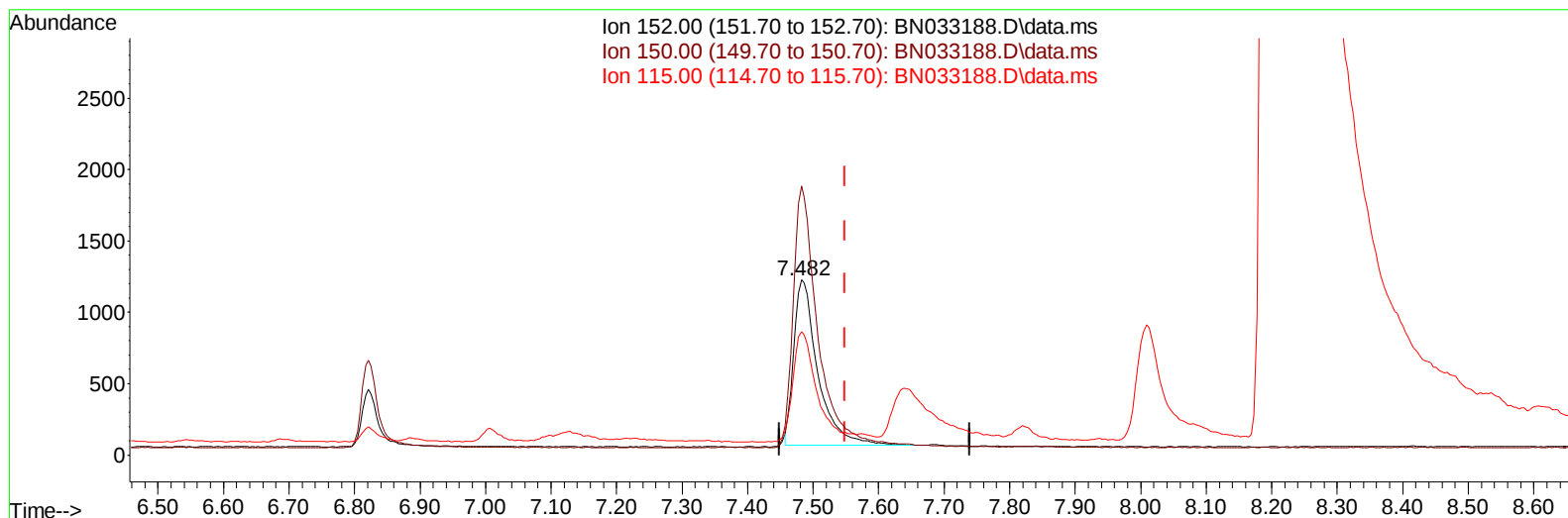
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 08/02/2024
Supervised By :mohammad ahmed 08/03/2024

Quant Time: Aug 02 04:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 14:49:49 2024
Response via : Initial Calibration



TIC: BN033188.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.482min (-0.067) 0.40 ng/u1

response 2970

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	143.10	153.50
115.00	84.50	70.28
0.00	0.00	0.00

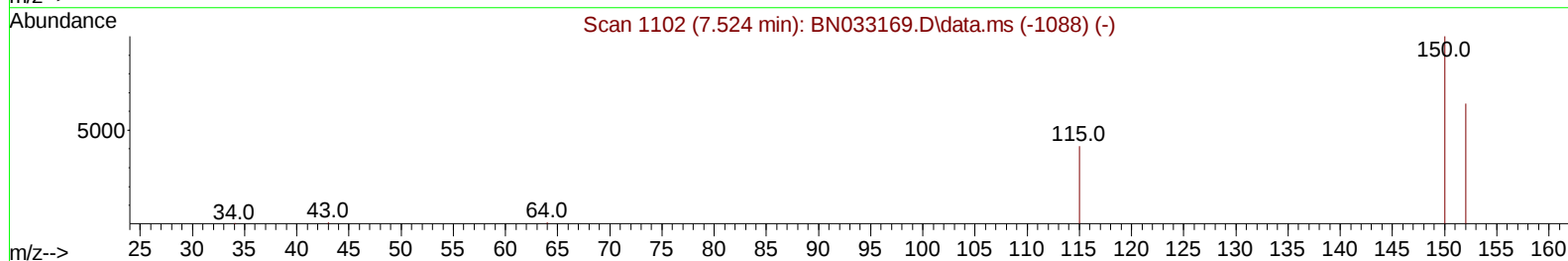
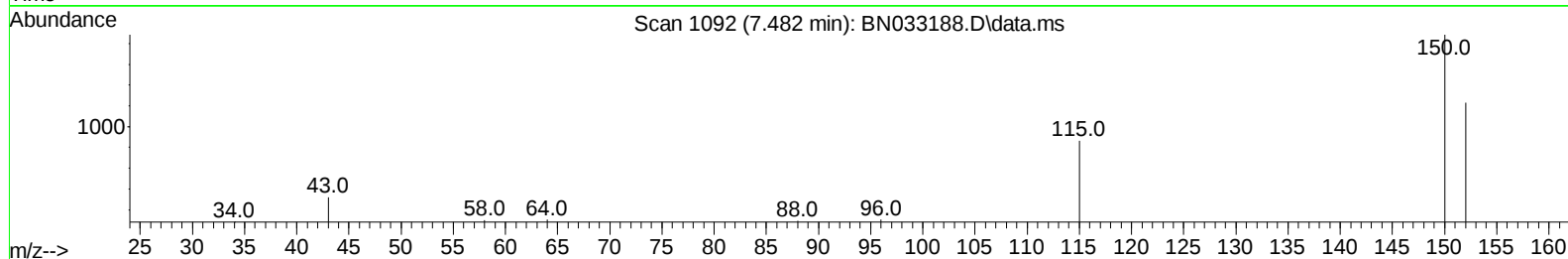
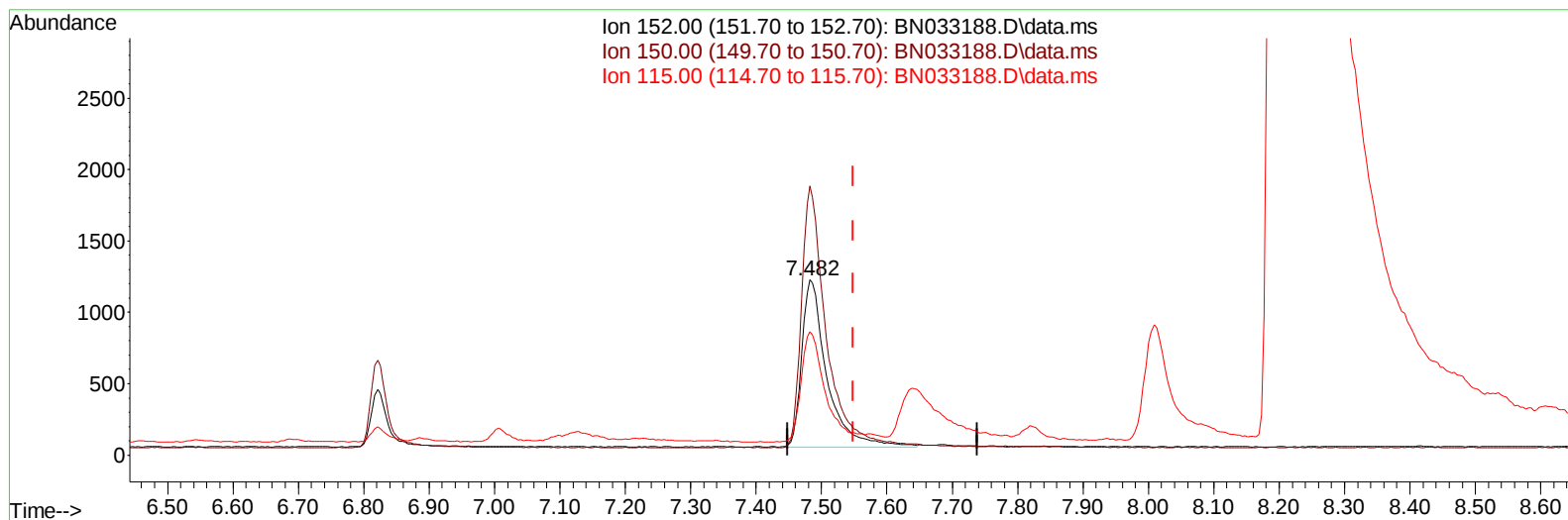
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Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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QLast Update : Tue Jul 30 14:49:49 2024
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TIC: BN033188.D\data.ms

(1) 1,4-Dichlorobenzene-d4 (I)

7.482min (-0.067) 0.40 ng/ul m

response 3154

Ion	Exp%	Act%
152.00	100.00	100.00
150.00	143.10	153.50
115.00	84.50	70.28
0.00	0.00	0.00

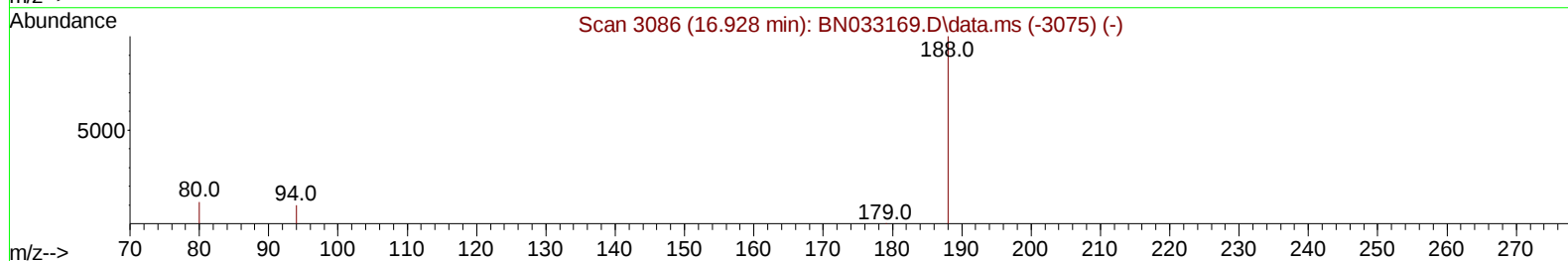
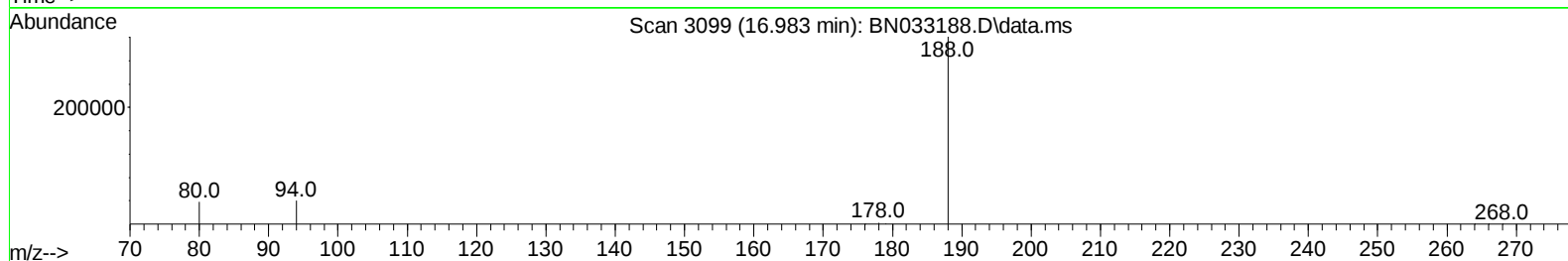
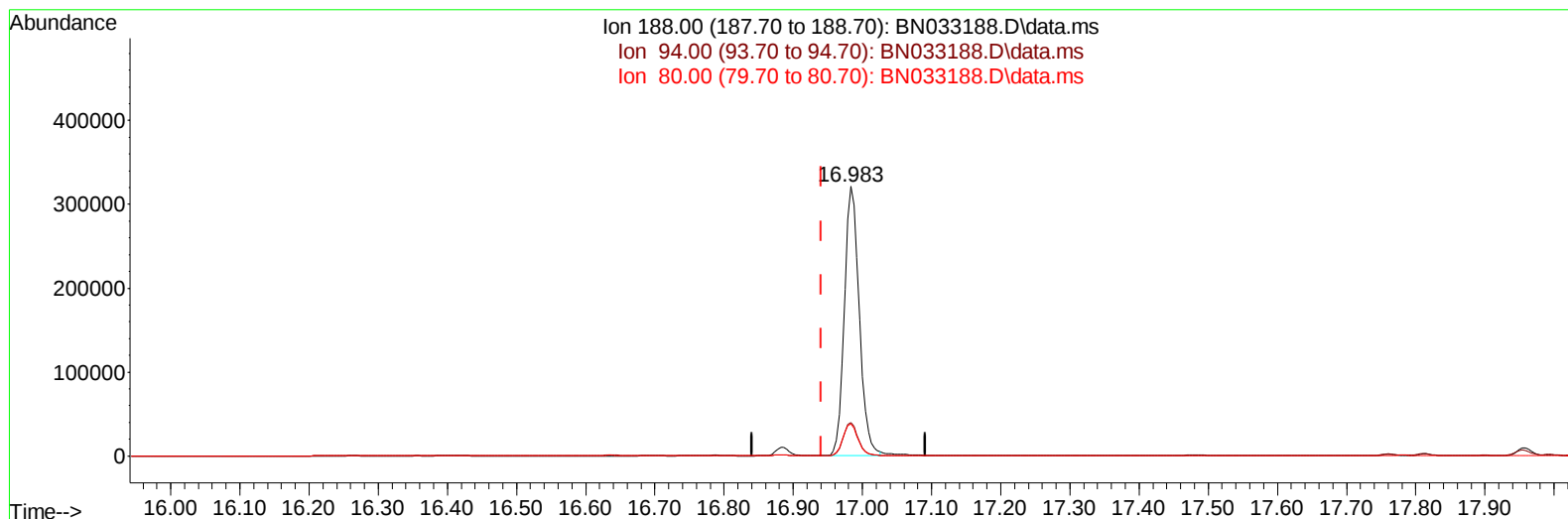
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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TIC: BN033188.D\data.ms

(13) Phenanthrene-d10 (I)

16.983min (+ 0.042) 0.40 ng/u1

response 480427

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.50
80.00	13.10	11.86
0.00	0.00	0.00

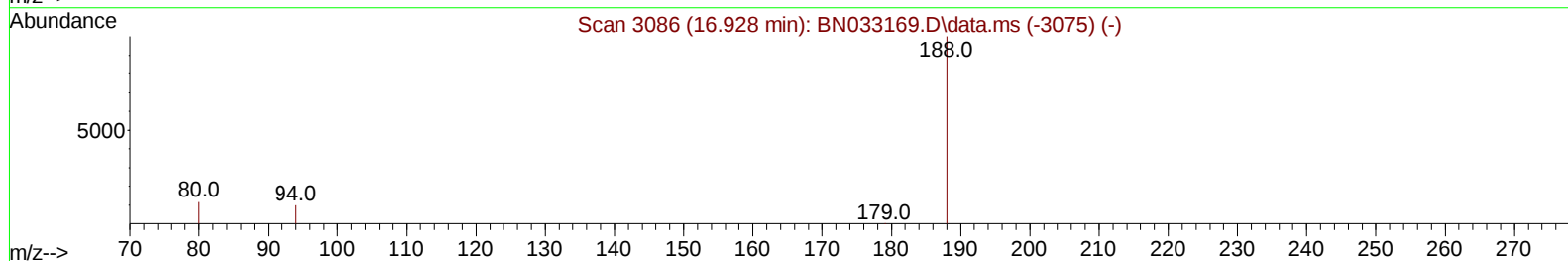
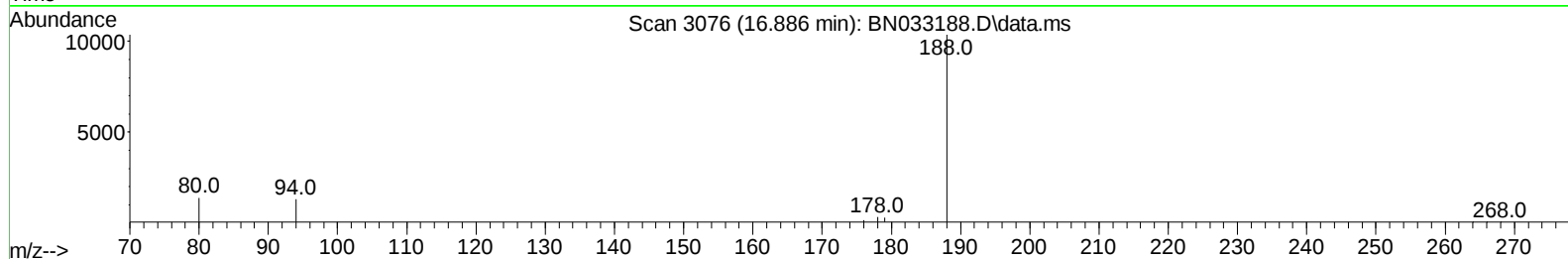
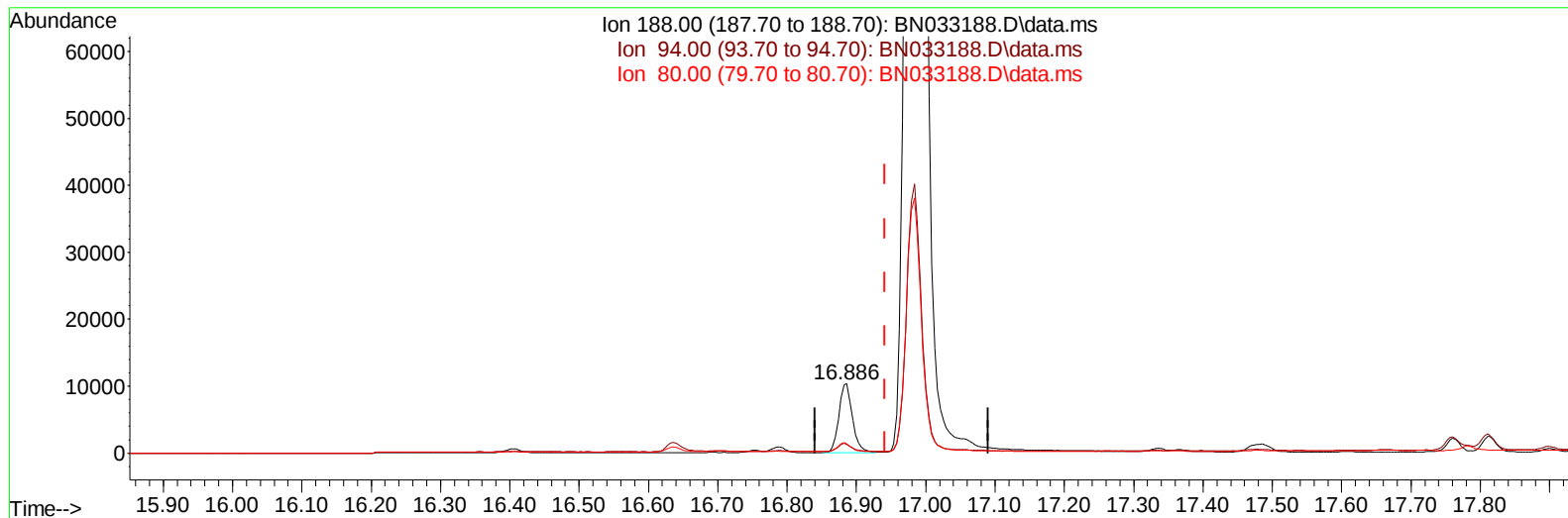
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 08/03/2024



TIC: BN033188.D\data.ms

(13) Phenanthrene-d10 (I)

16.886min (-0.055) 0.40 ng/u1 m

response 14006

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	12.40	12.80
80.00	13.10	13.35
0.00	0.00	0.00

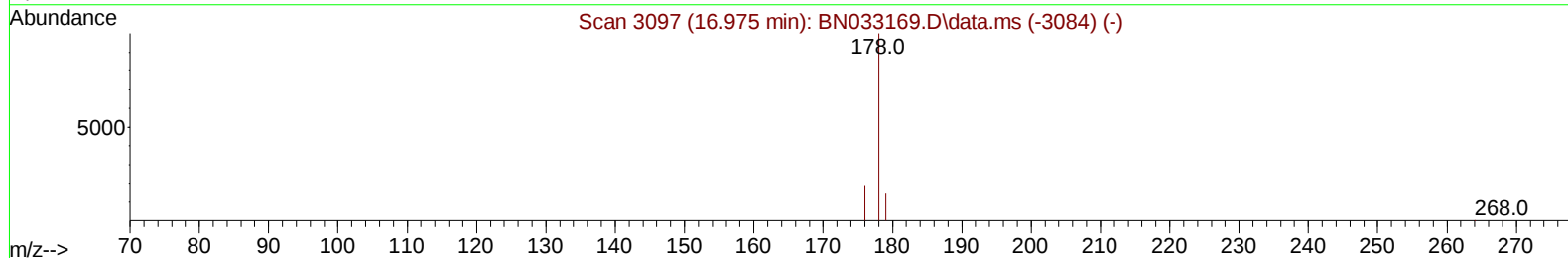
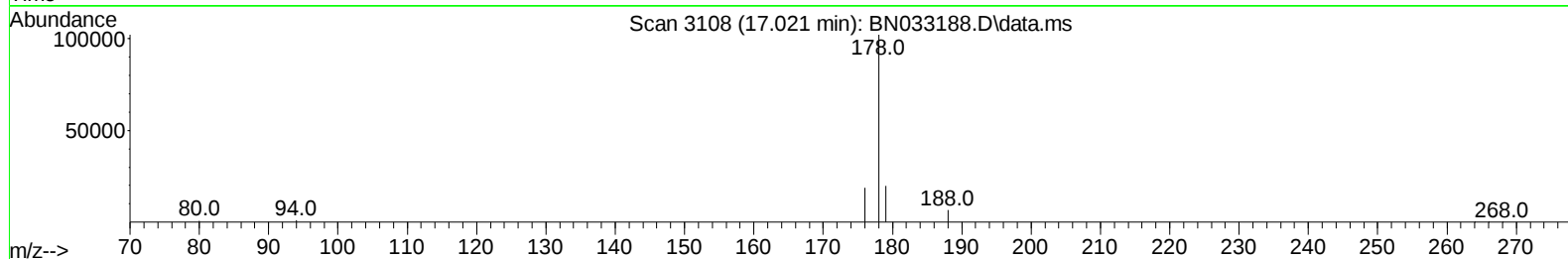
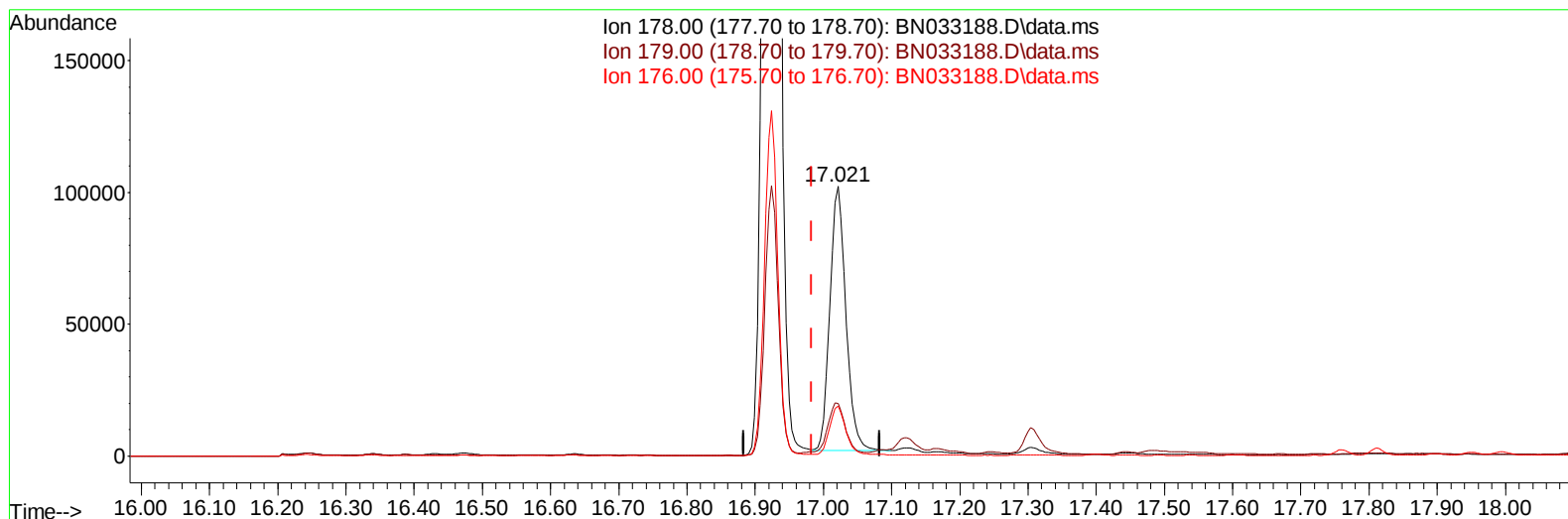
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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QLast Update : Tue Jul 30 14:49:49 2024
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TIC: BN033188.D\data.ms

(15) Phenanthrene

17.021min (+ 0.038) 4.35 ng/u1

response 163411

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	19.54
176.00	19.90	18.53
0.00	0.00	0.00

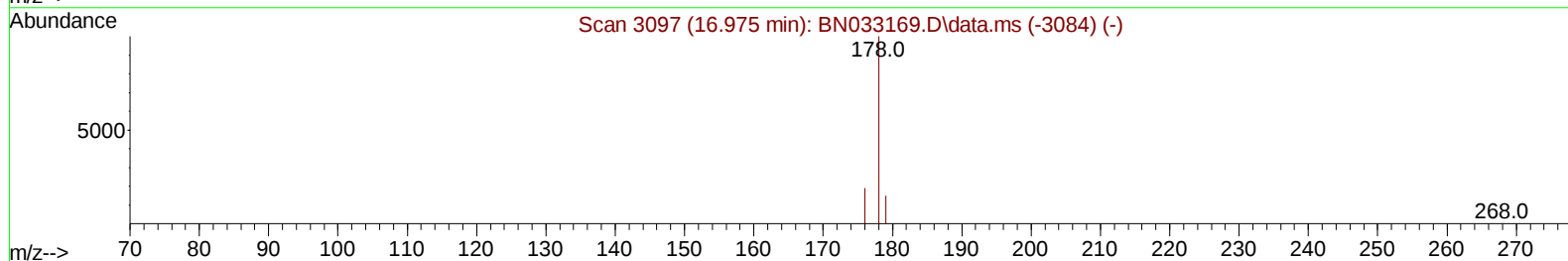
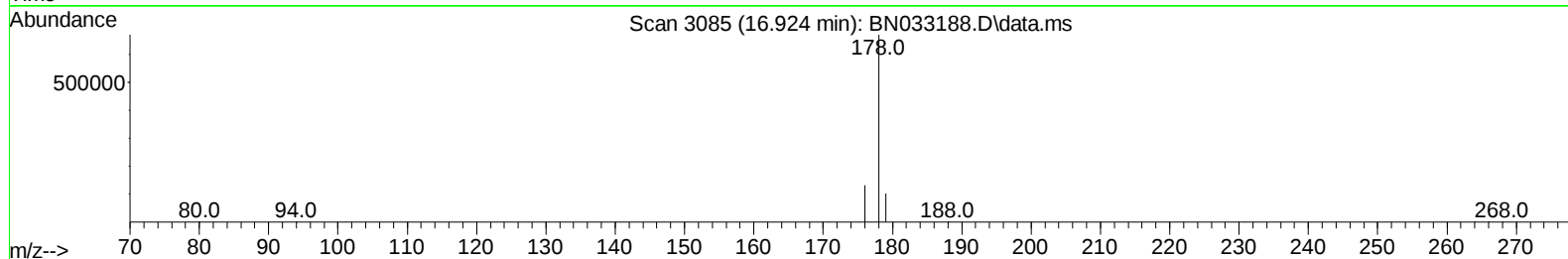
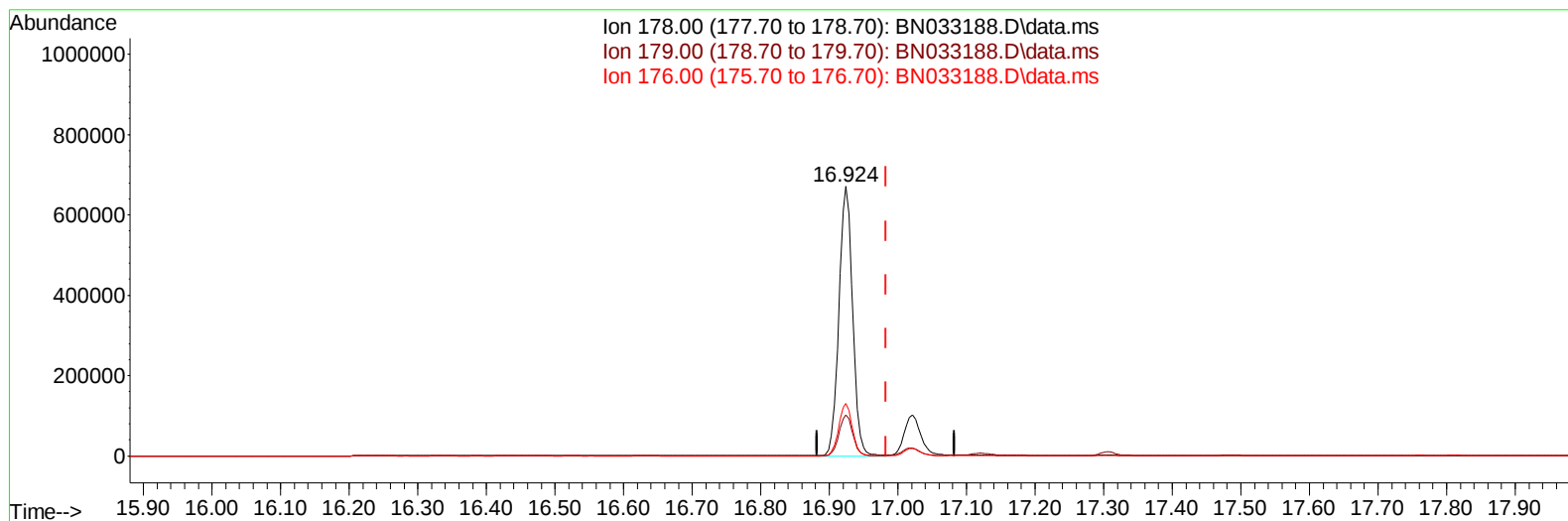
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
 Data File : BN033188.D
 Acq On : 02 Aug 2024 04:32
 Operator : MA/JU
 Sample : P3265-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D22

Manual IntegrationsAPPROVED

Quant Time: Aug 02 04:59:23 2024
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Reviewed By :Jagrut Upadhyay 08/02/2024
 Supervised By :mohammad ahmed 08/03/2024



TIC: BN033188.D\data.ms

(15) Phenanthrene

16.924min (-0.059) 24.91 ng/ul m

response 935670

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.10	15.28
176.00	19.90	19.52
0.00	0.00	0.00

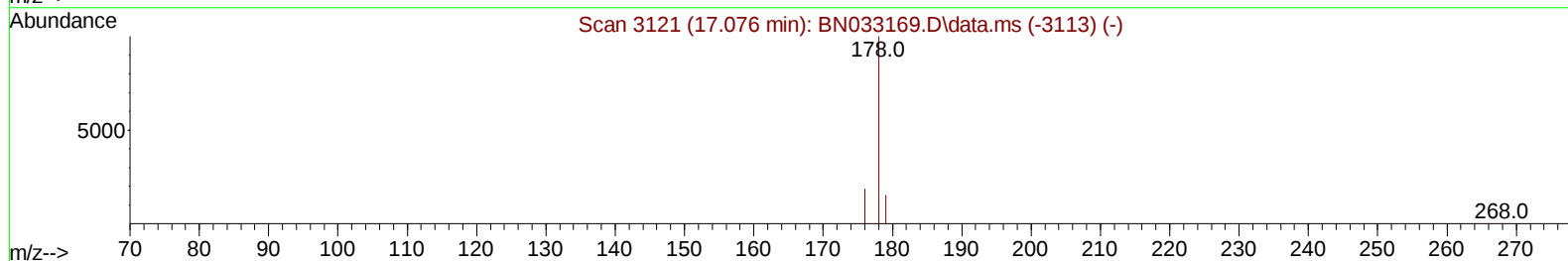
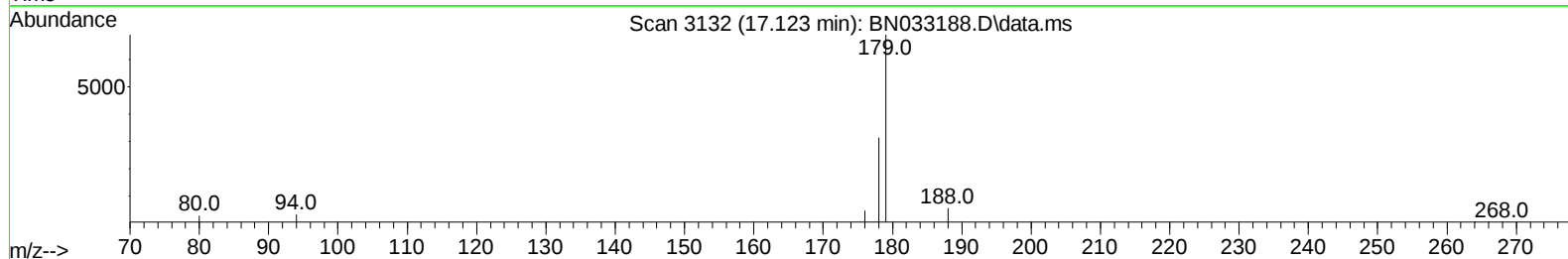
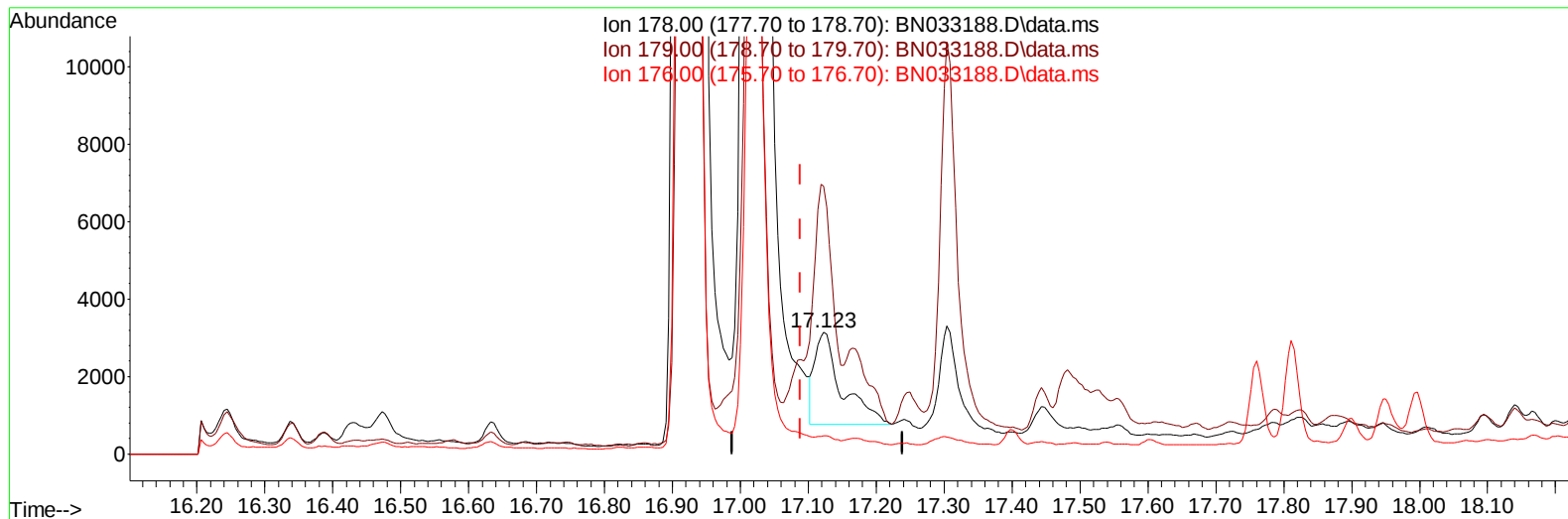
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 08/02/2024
Supervised By :mohammad ahmed 08/03/2024

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Response via : Initial Calibration



TIC: BN033188.D\data.ms

(16) Anthracene

17.123min (+ 0.034) 0.20 ng/u1

response 6649

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	219.46#
176.00	19.80	14.79#
0.00	0.00	0.00

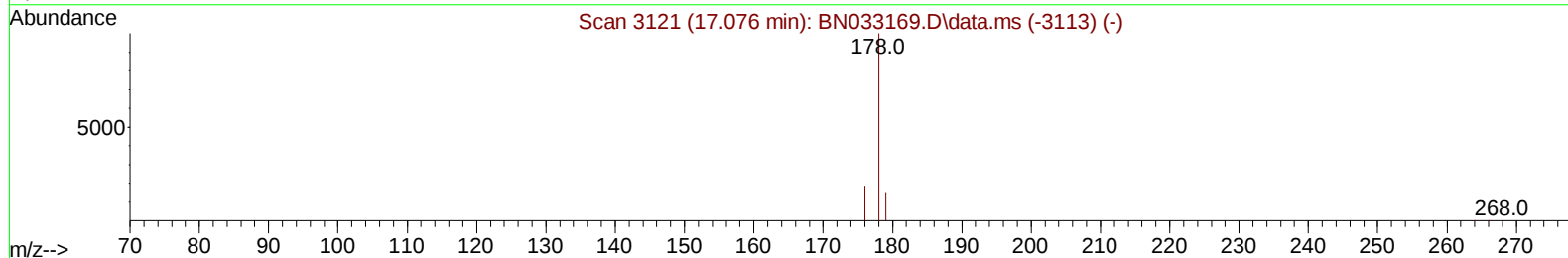
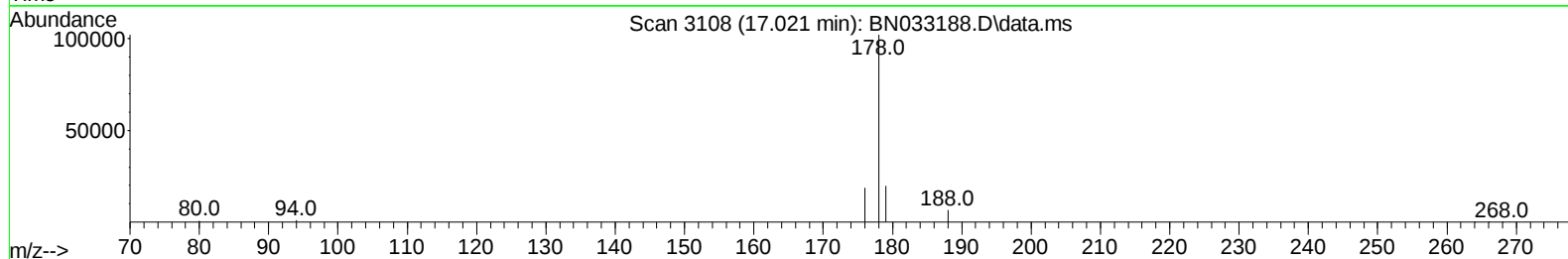
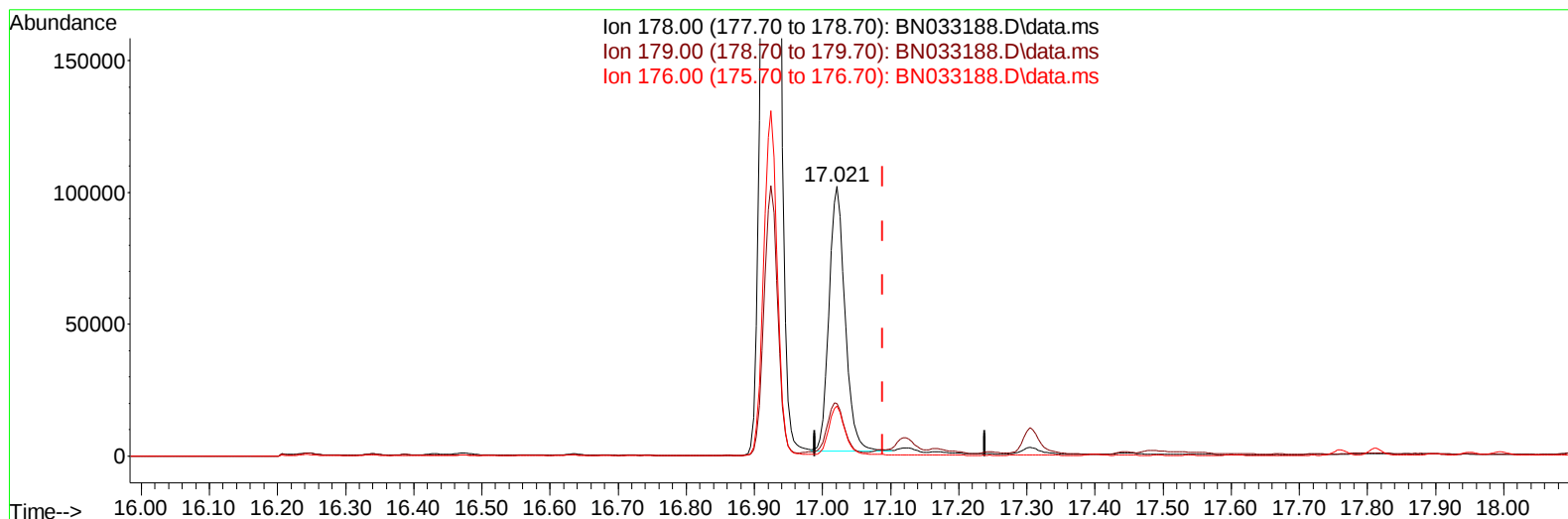
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

Quant Time: Aug 02 04:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 14:49:49 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 08/02/2024
Supervised By :mohammad ahmed 08/03/2024



TIC: BN033188.D\data.ms

(16) Anthracene

17.021min (-0.067) 4.89 ng/ul m

response 165214

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.90	19.54
176.00	19.80	18.53
0.00	0.00	0.00

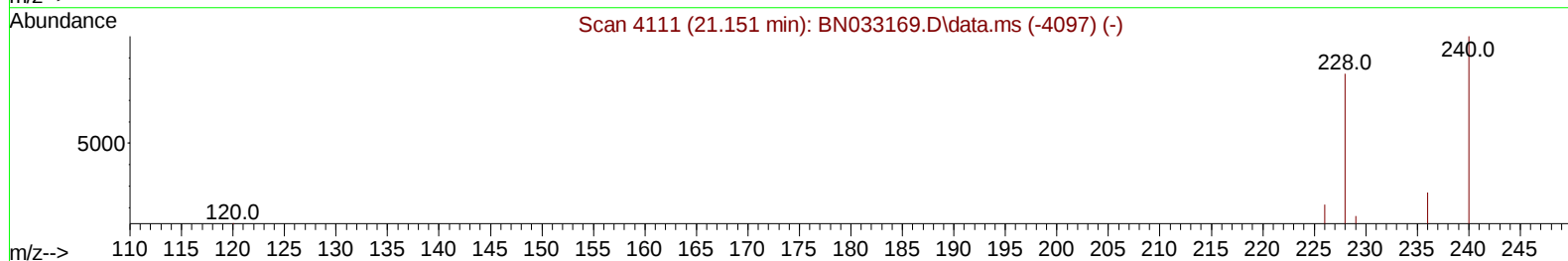
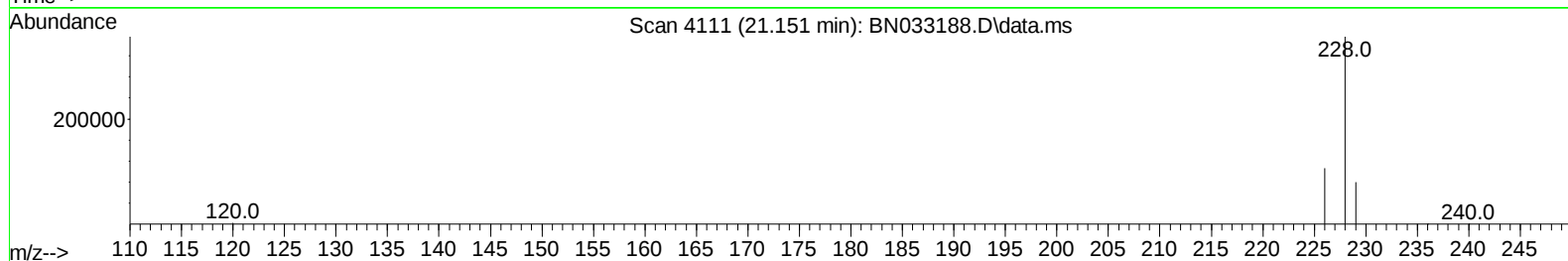
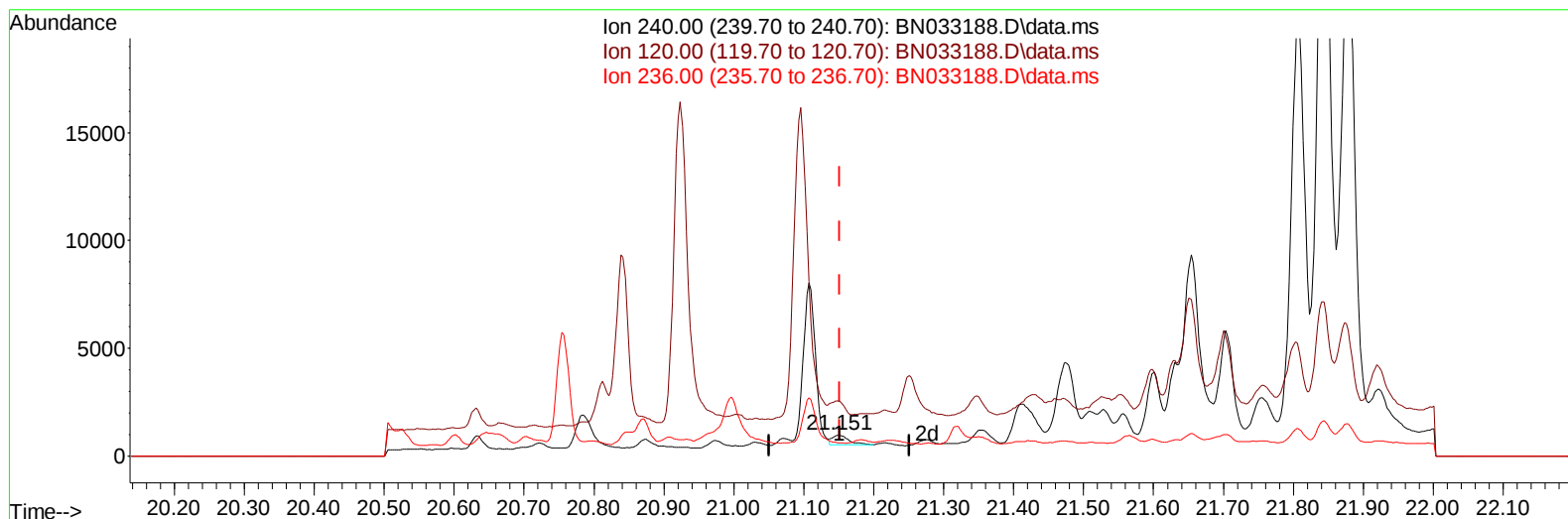
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
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Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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TIC: BN033188.D\data.ms

(17) Chrysene-d12

21.151min (+ 0.000) 0.40 ng/u1

response 746

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	264.29#
236.00	29.50	62.11#
0.00	0.00	0.00

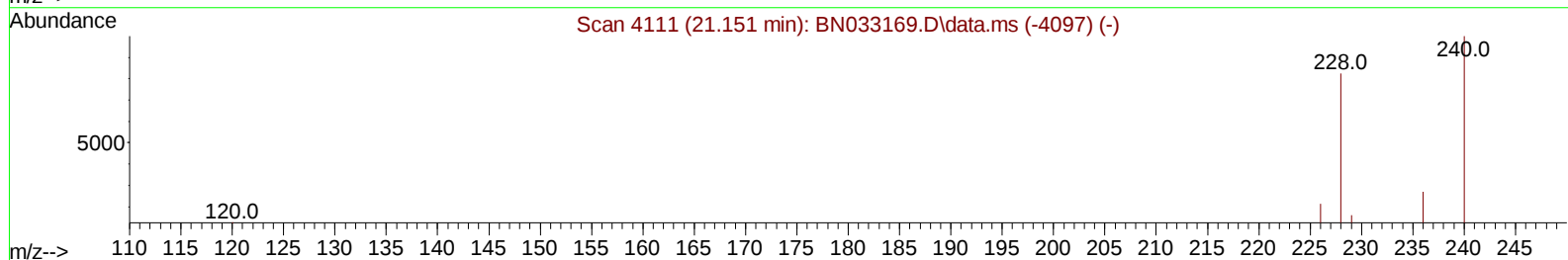
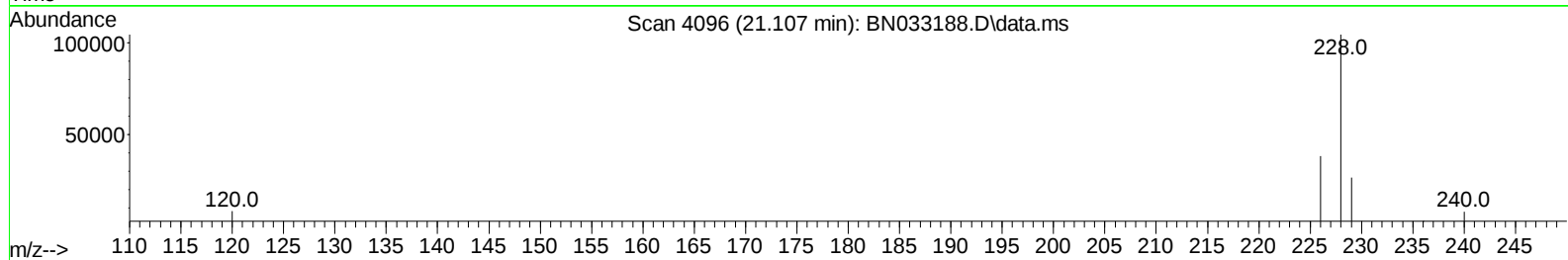
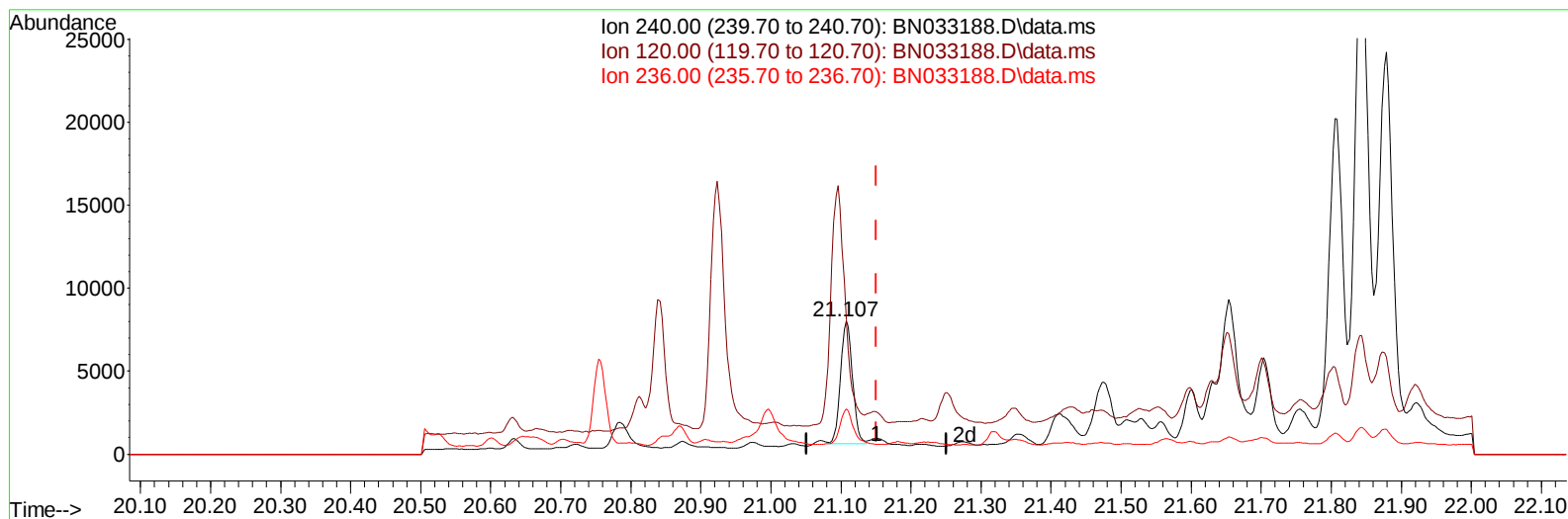
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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TIC: BN033188.D\data.ms

(17) Chrysene-d12

21.107min (-0.044) 0.40 ng/u1 m

response 8792

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	21.40	100.83#
236.00	29.50	33.79
0.00	0.00	0.00

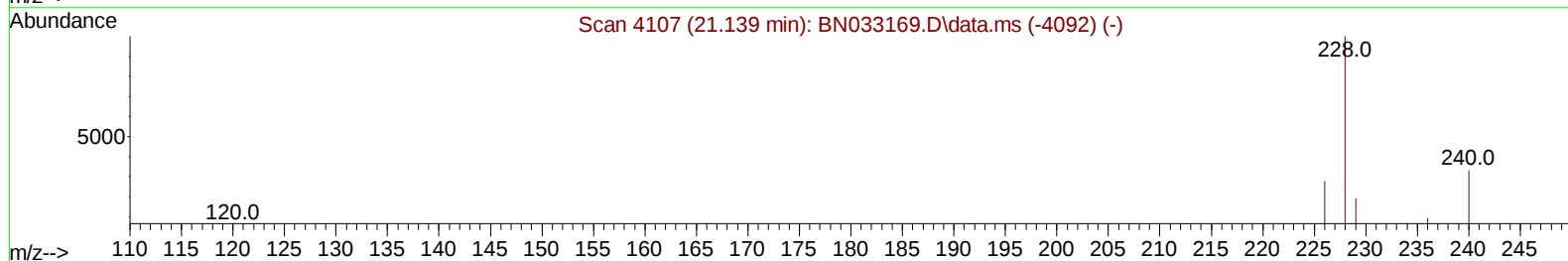
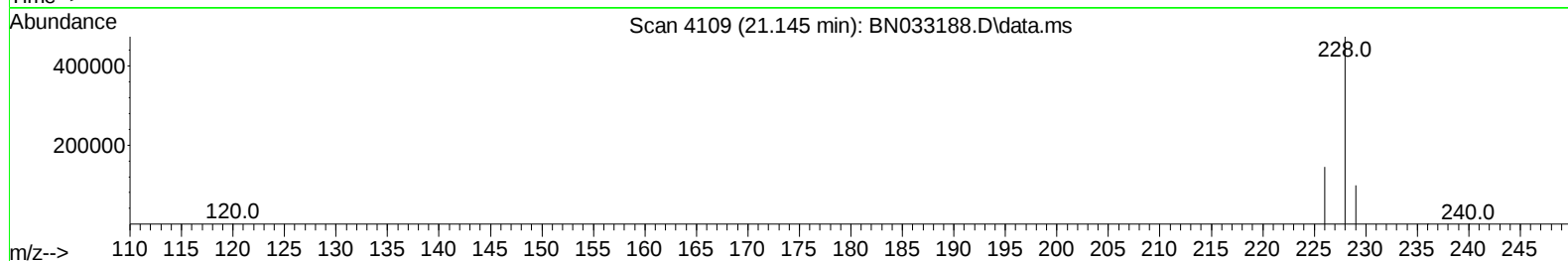
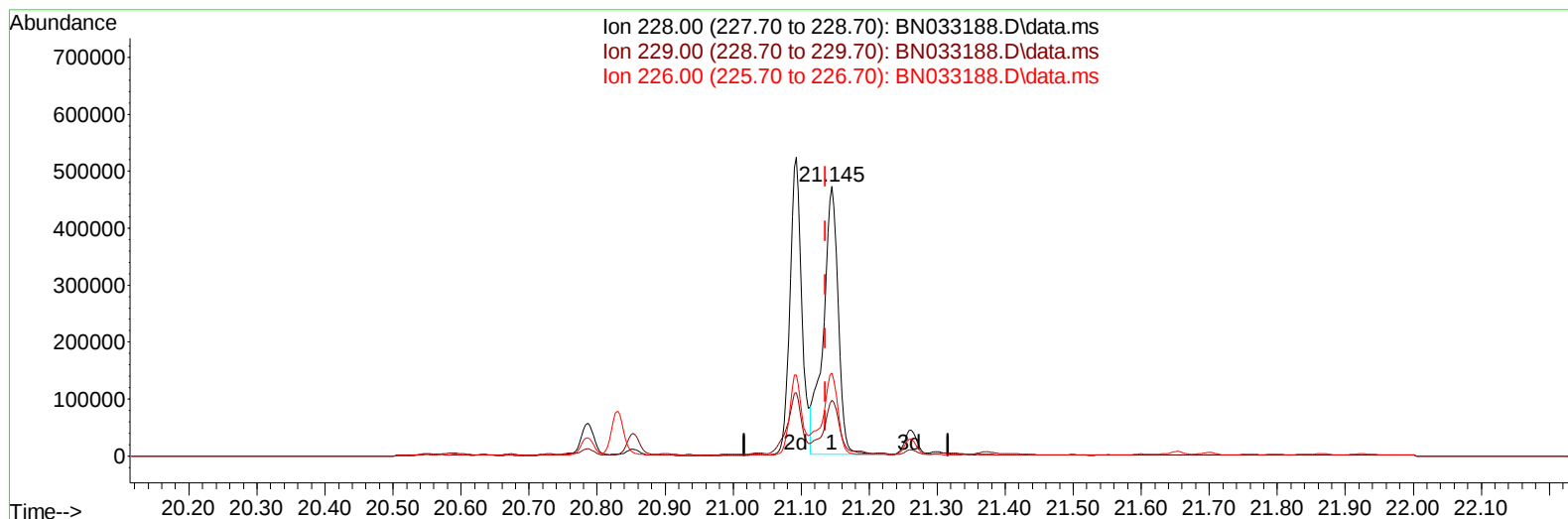
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
A4D22

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TIC: BN033188.D\data.ms

(21) Benzo(a)anthracene

21.145min (+ 0.009) 24.09 ng/u1

response 722540

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	21.40	20.71
226.00	28.00	30.71
0.00	0.00	0.00

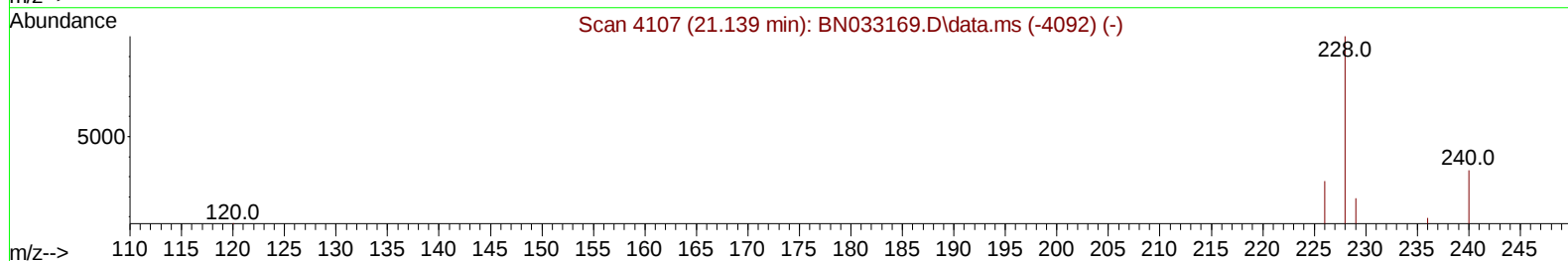
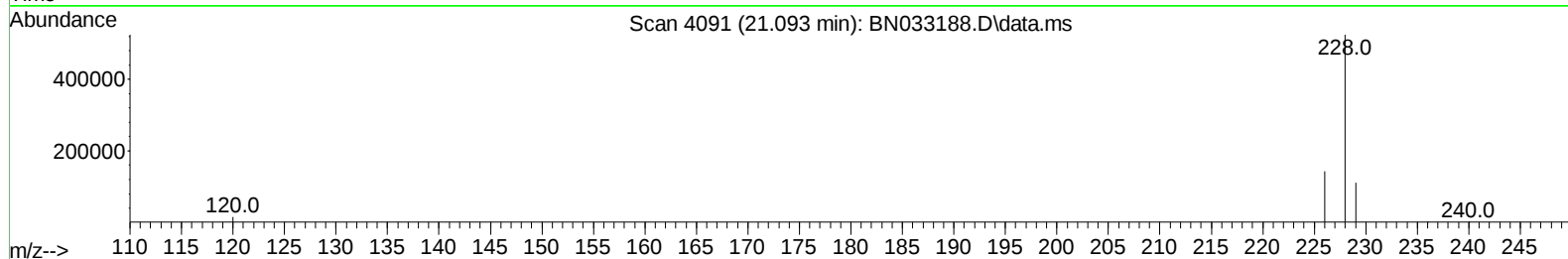
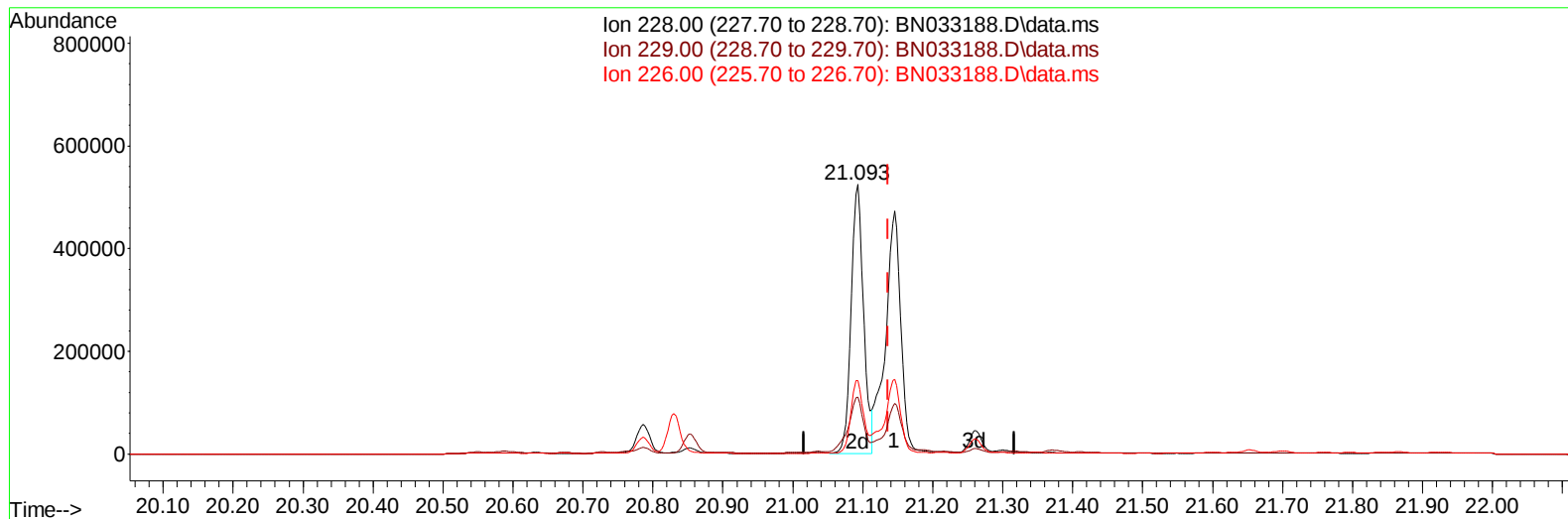
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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TIC: BN033188.D\data.ms

(21) Benzo(a)anthracene

21.093min (-0.044) 21.52 ng/ul m

response 645451

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	21.40	21.13
226.00	28.00	27.16
0.00	0.00	0.00

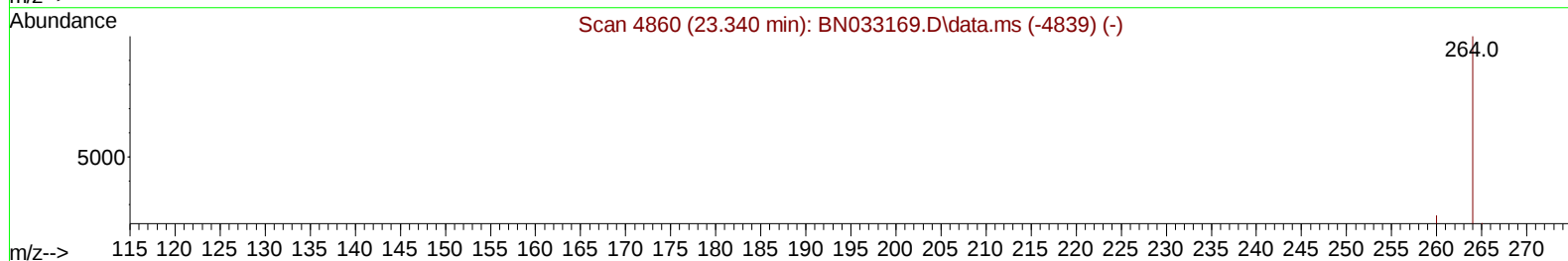
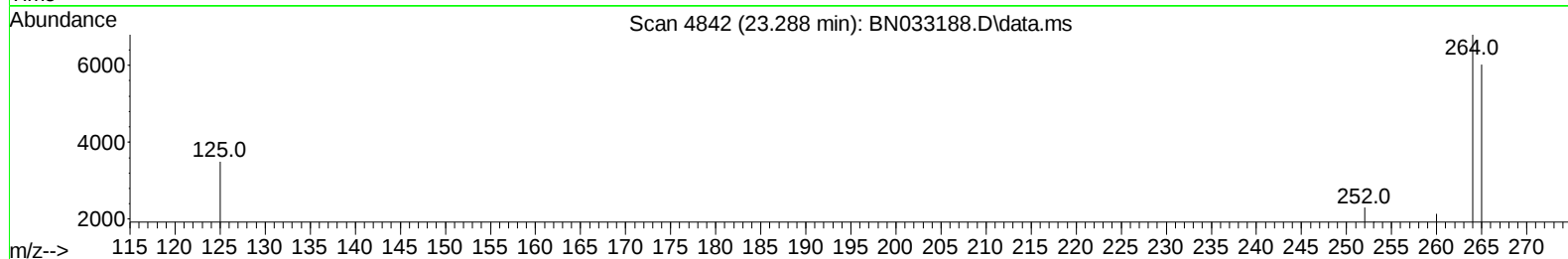
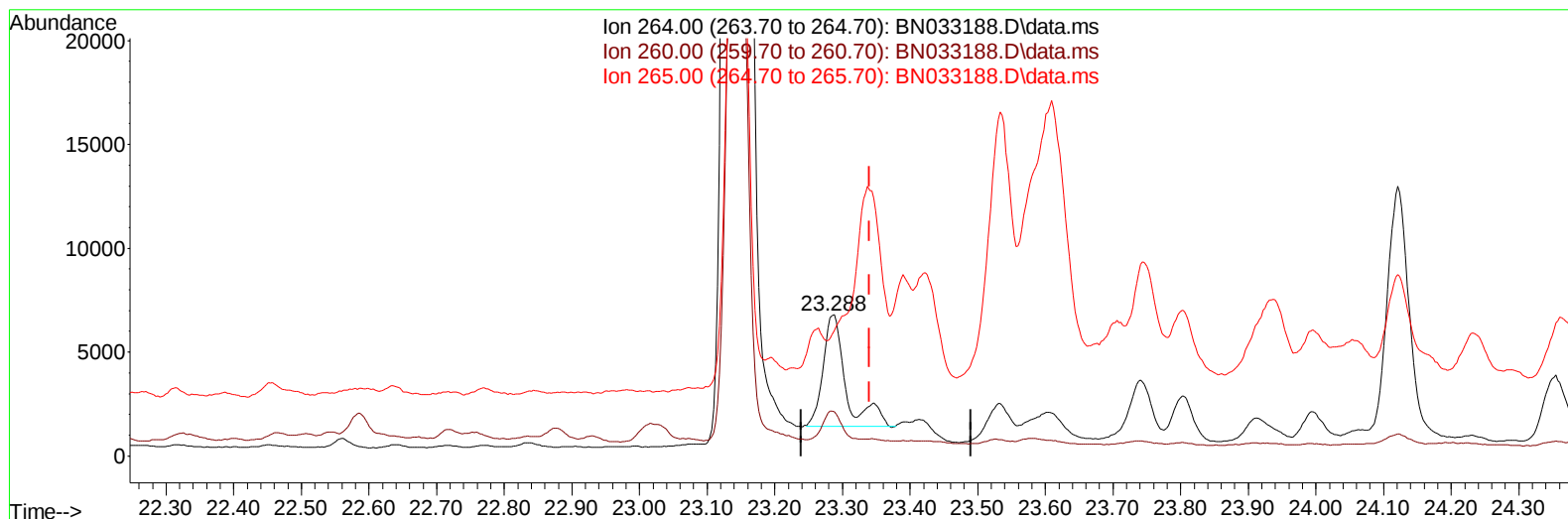
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
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 Acq On : 02 Aug 2024 04:32
 Operator : MA/JU
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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D22

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TIC: BN033188.D\data.ms

(23) Perylene-d12 (I)

23.288min (-0.052) 0.40 ng/u1

response 12442

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	31.47
265.00	80.60	88.70
0.00	0.00	0.00

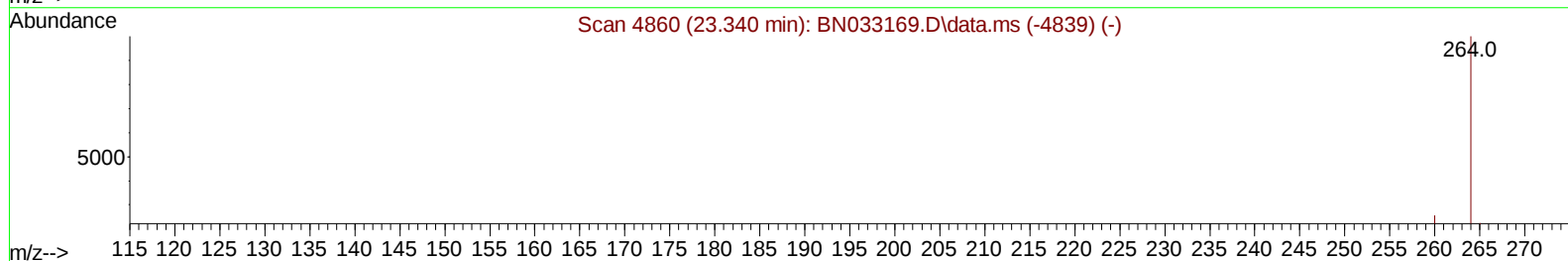
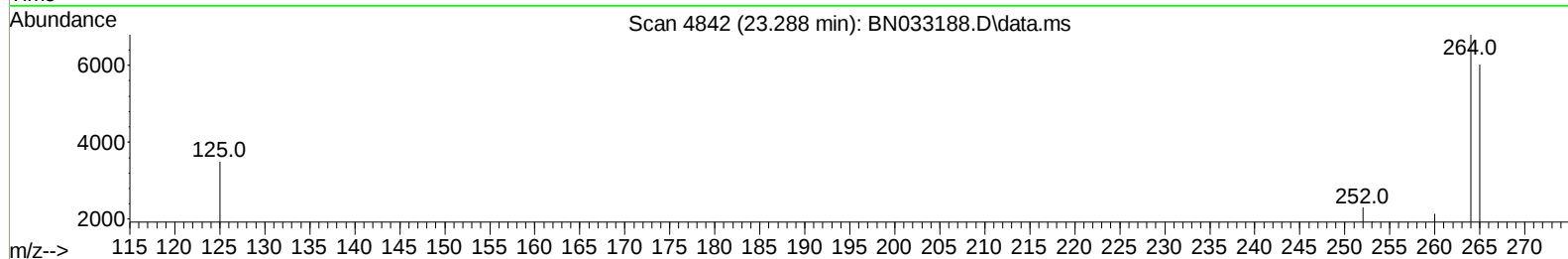
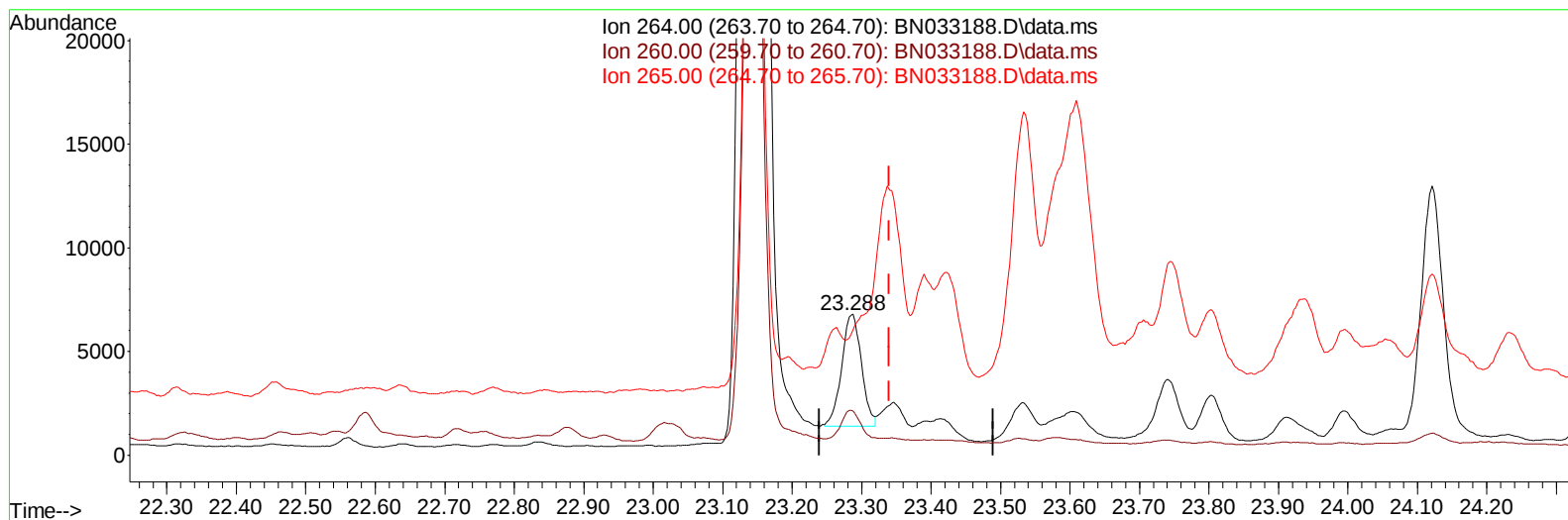
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 08/02/2024
Supervised By :mohammad ahmed 08/03/2024

Quant Time: Aug 02 04:59:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN072524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 14:49:49 2024
Response via : Initial Calibration



TIC: BN033188.D\data.ms

(23) Perylene-d12 (I)

23.288min (-0.052) 0.40 ng/ul m

response 10638

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.50	31.47
265.00	80.60	88.70
0.00	0.00	0.00

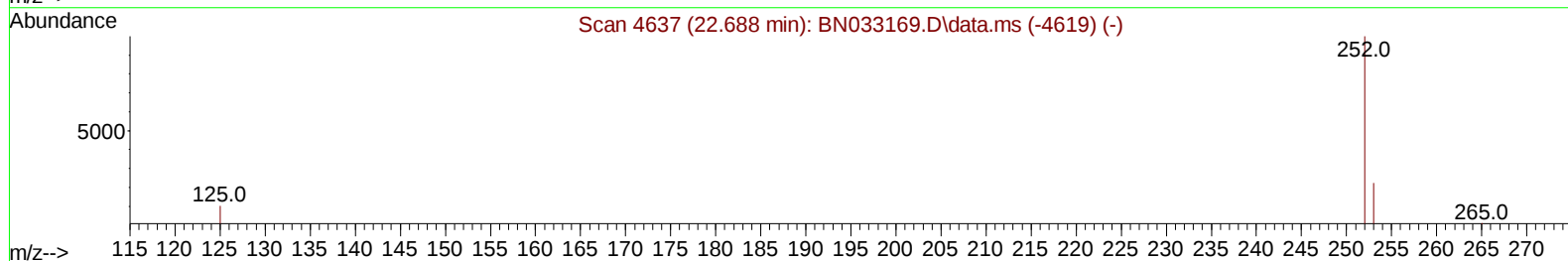
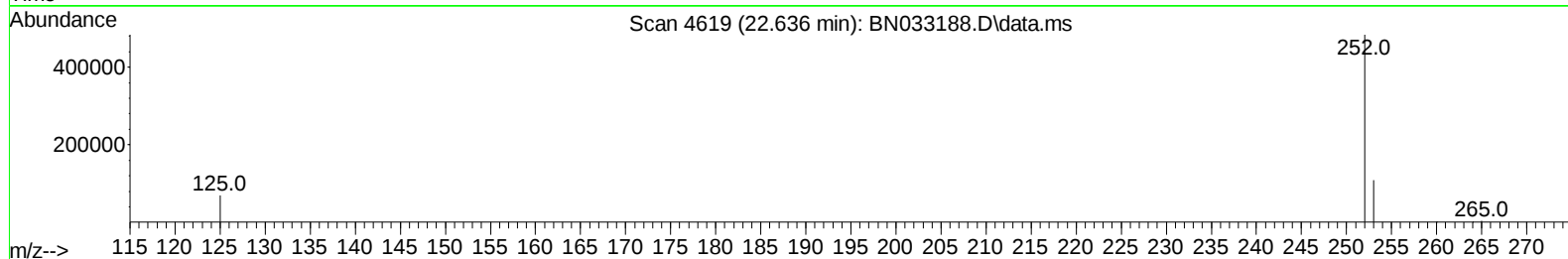
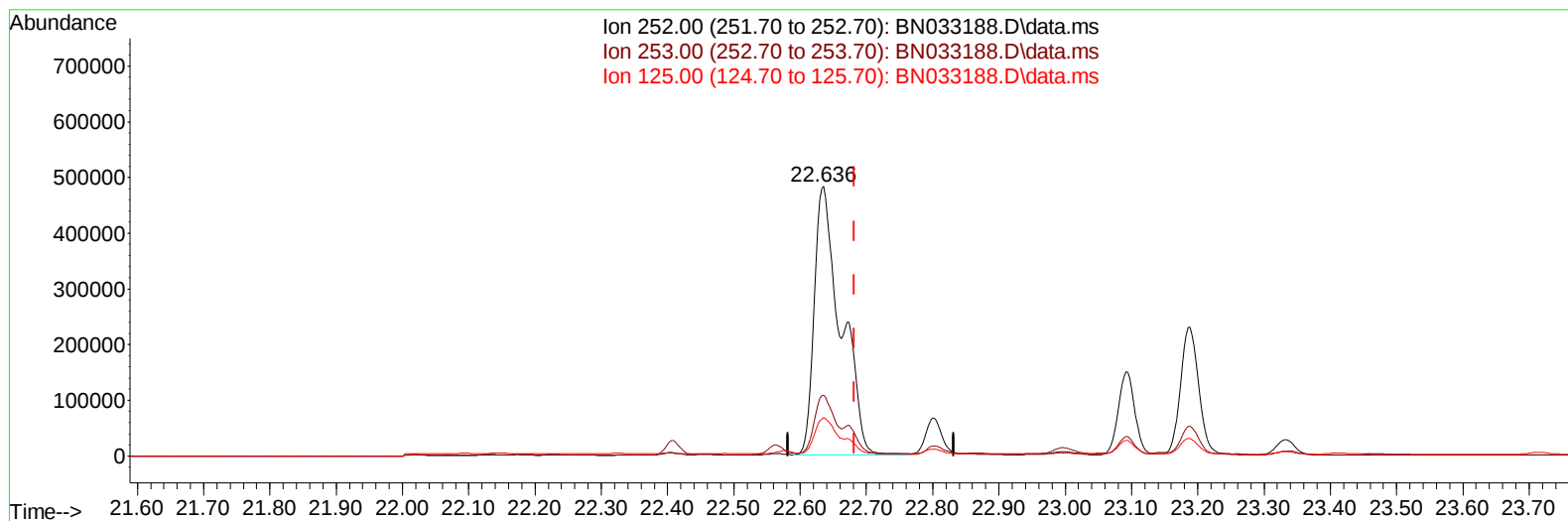
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
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Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId :
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TIC: BN033188.D\data.ms

(24) Benzo(b)fluoranthene

22.636min (-0.047) 43.31 ng/u1

response 1345867

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	22.44
125.00	25.50	14.21
0.00	0.00	0.00

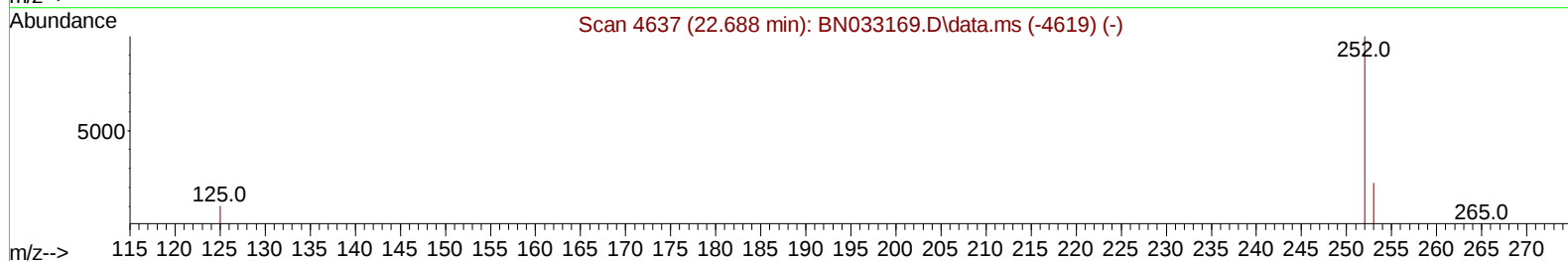
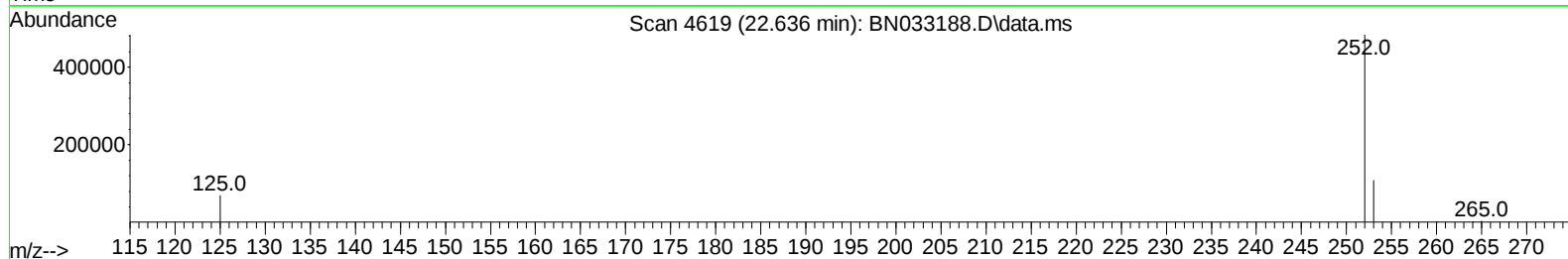
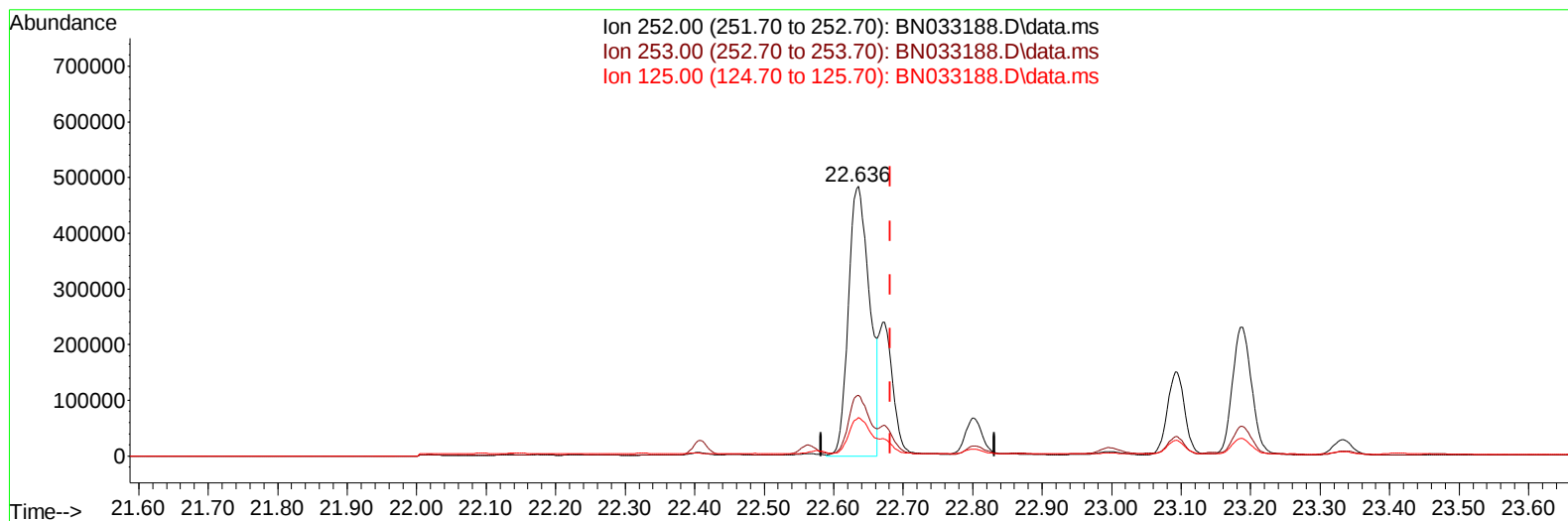
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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TIC: BN033188.D\data.ms

(24) Benzo(b)fluoranthene

22.636min (-0.047) 32.74 ng/u1 m

response 1017454

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.30	22.44
125.00	25.50	14.21
0.00	0.00	0.00

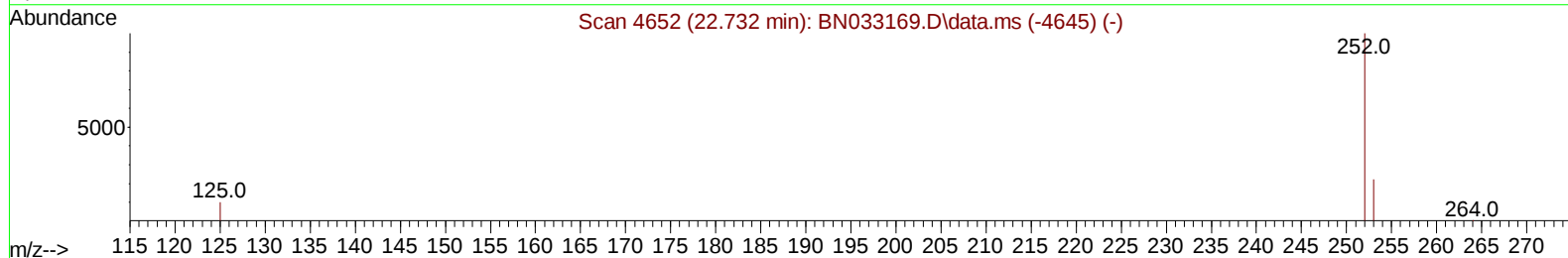
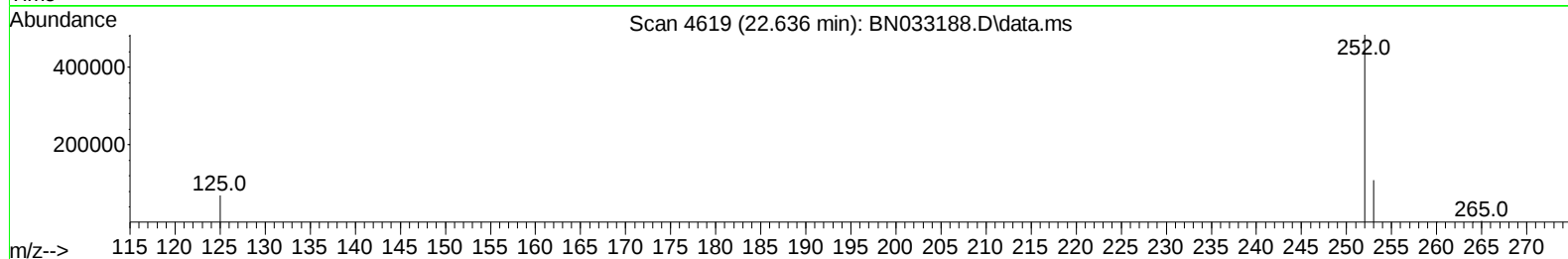
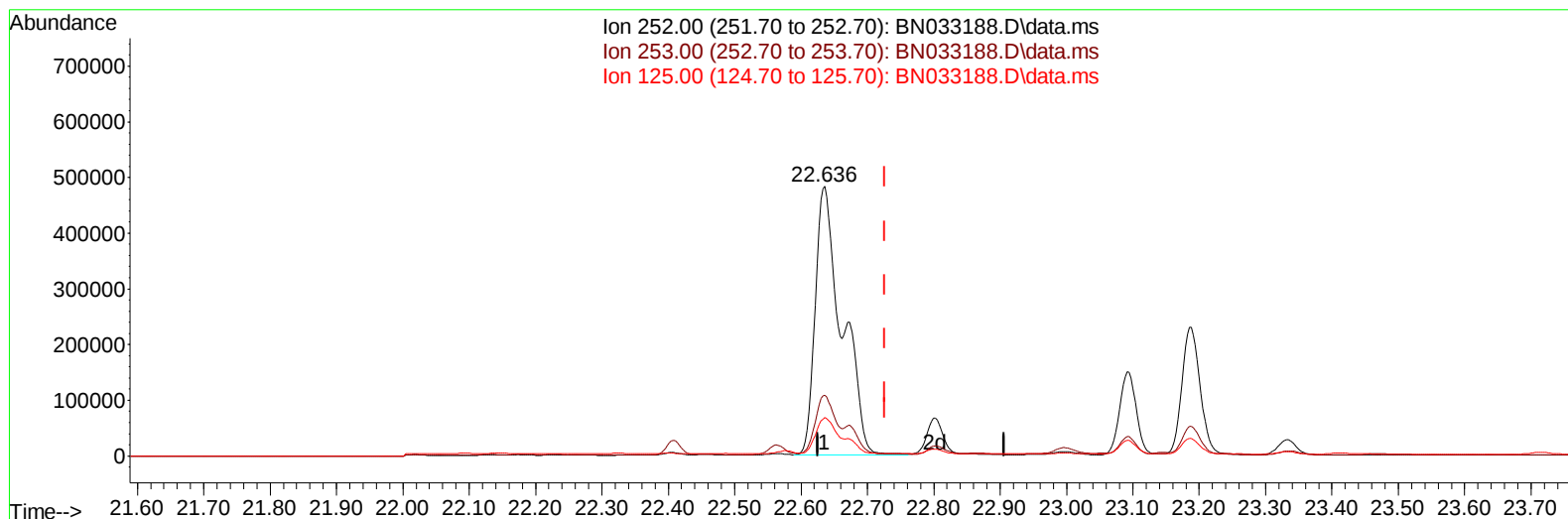
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 08/03/2024

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TIC: BN033188.D\data.ms

(25) Benzo(k)fluoranthene

22.636min (-0.090) 36.14 ng/u1

response 1345772

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	22.44#
125.00	26.10	14.21#
0.00	0.00	0.00

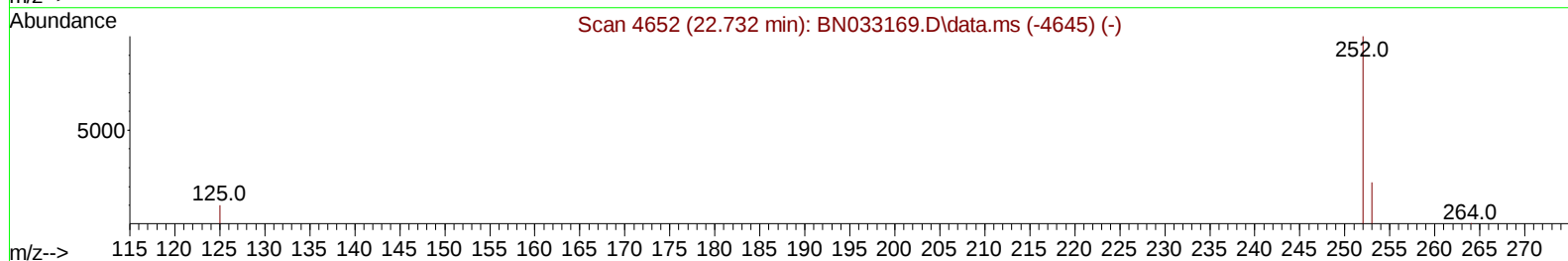
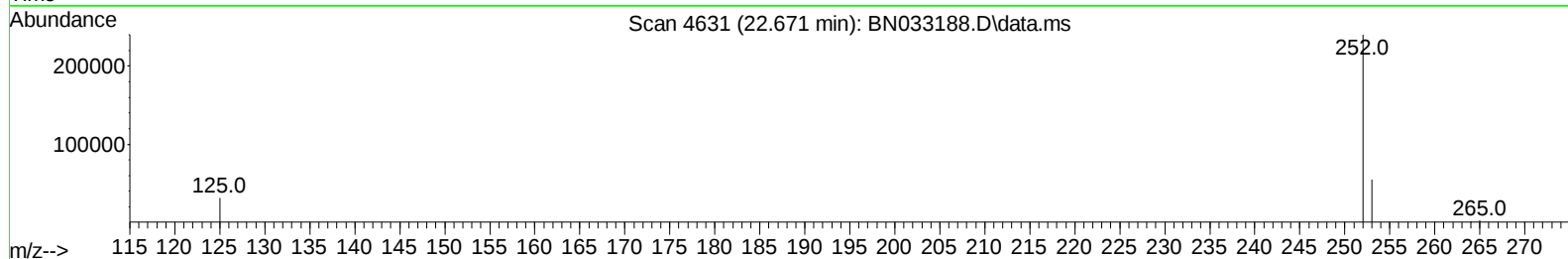
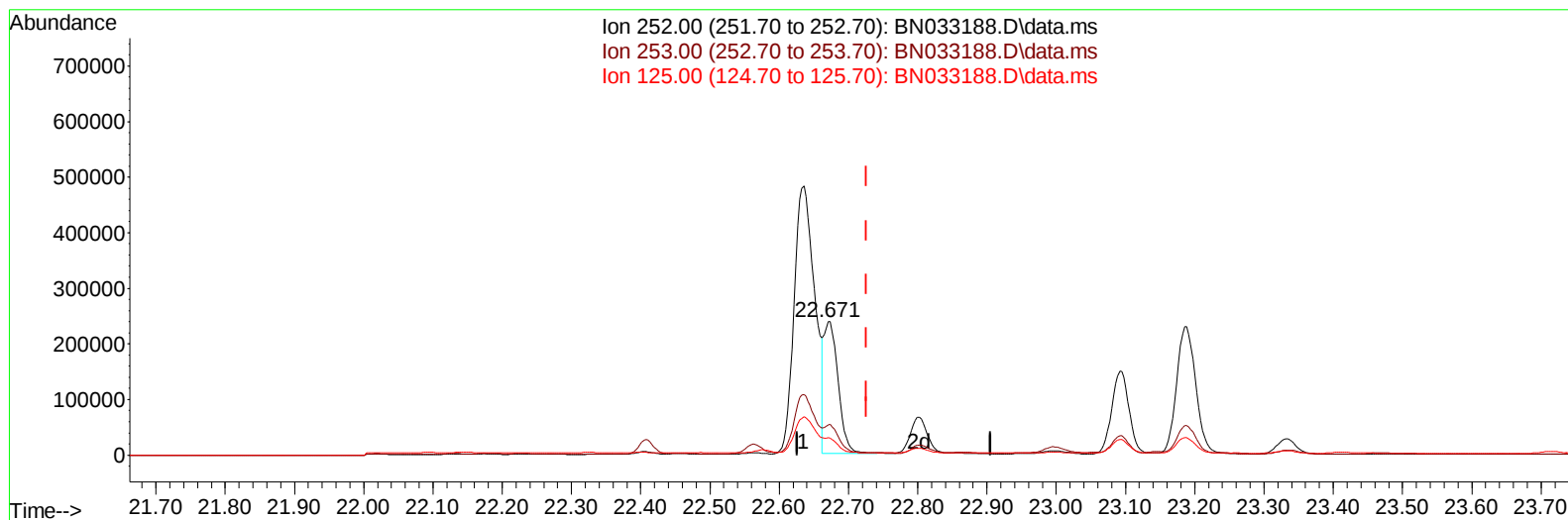
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 08/02/2024
Supervised By :mohammad ahmed 08/03/2024

Quant Time: Aug 02 04:59:23 2024
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TIC: BN033188.D\data.ms

(25) Benzo(k)fluoranthene

22.671min (-0.055) 8.98 ng/u1 m

response 334423

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.10	22.72#
125.00	26.10	13.14#
0.00	0.00	0.00

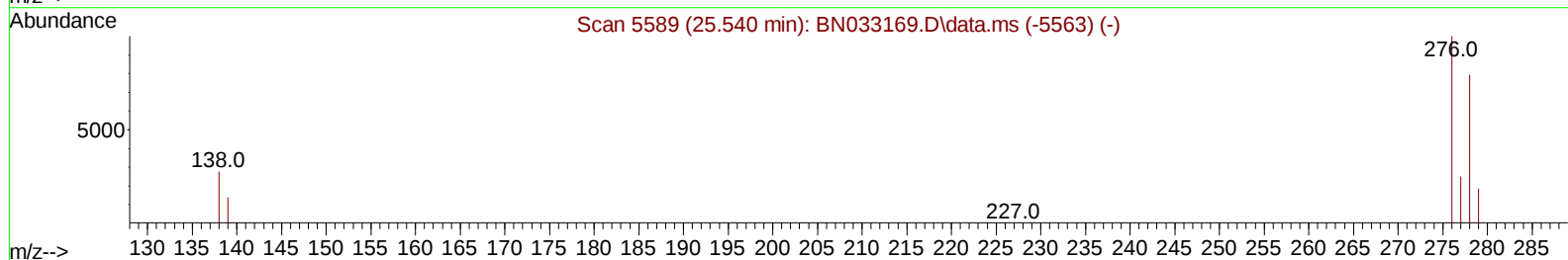
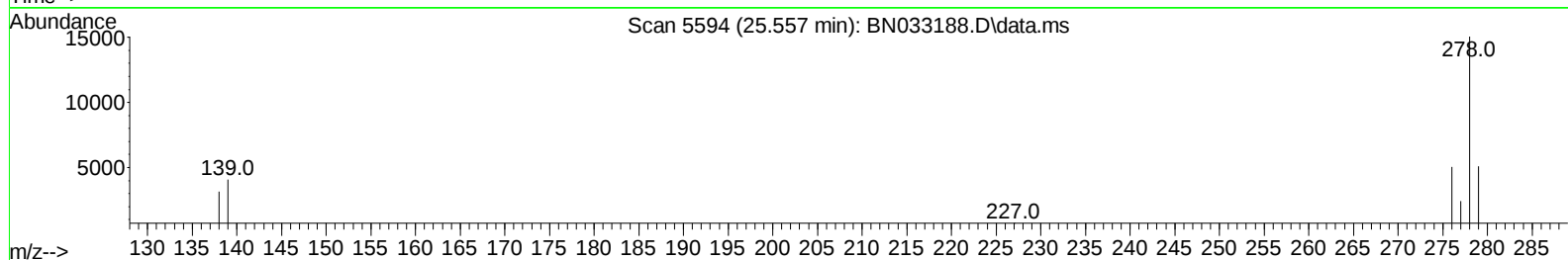
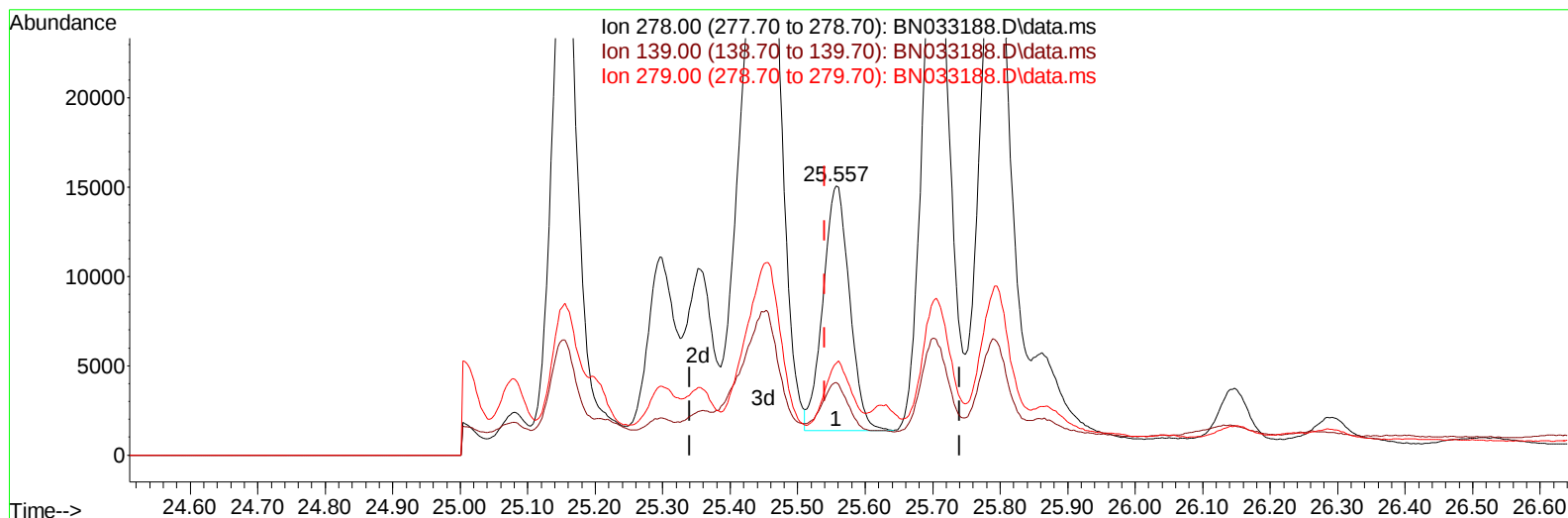
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Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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TIC: BN033188.D\data.ms

(28) Dibenzo(a,h)anthracene

25.557min (+ 0.017) 1.06 ng/u1

response 37263

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	28.10	26.95
279.00	31.90	34.00
0.00	0.00	0.00

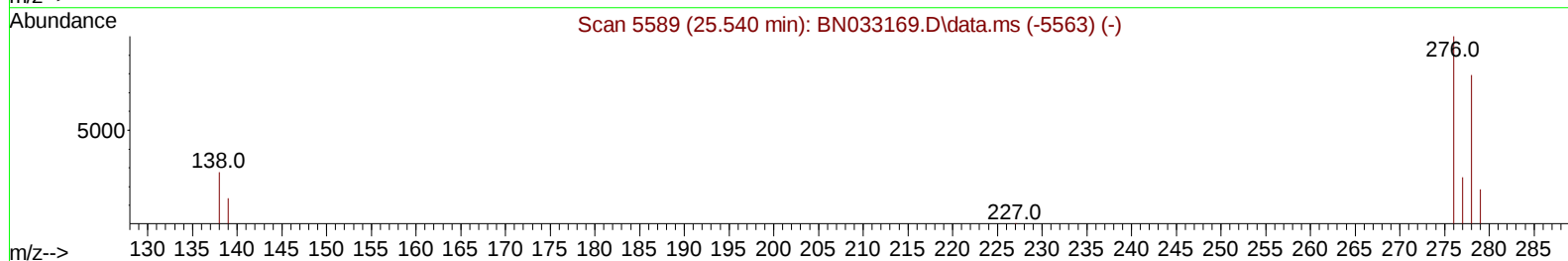
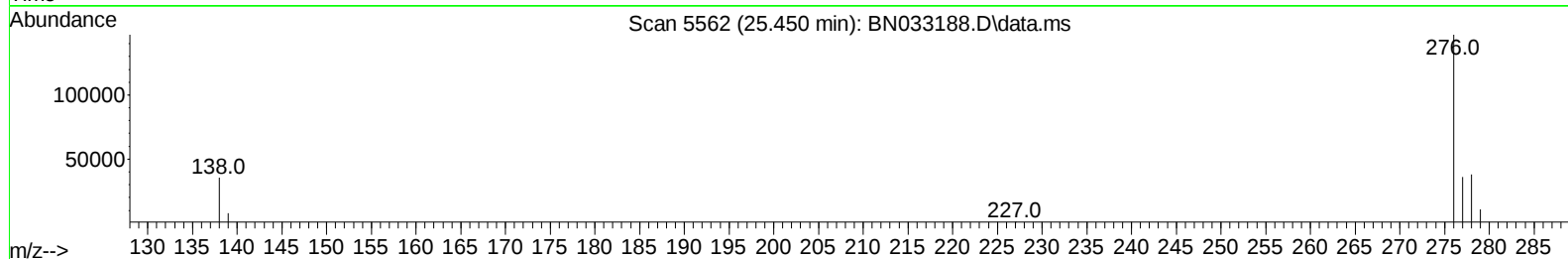
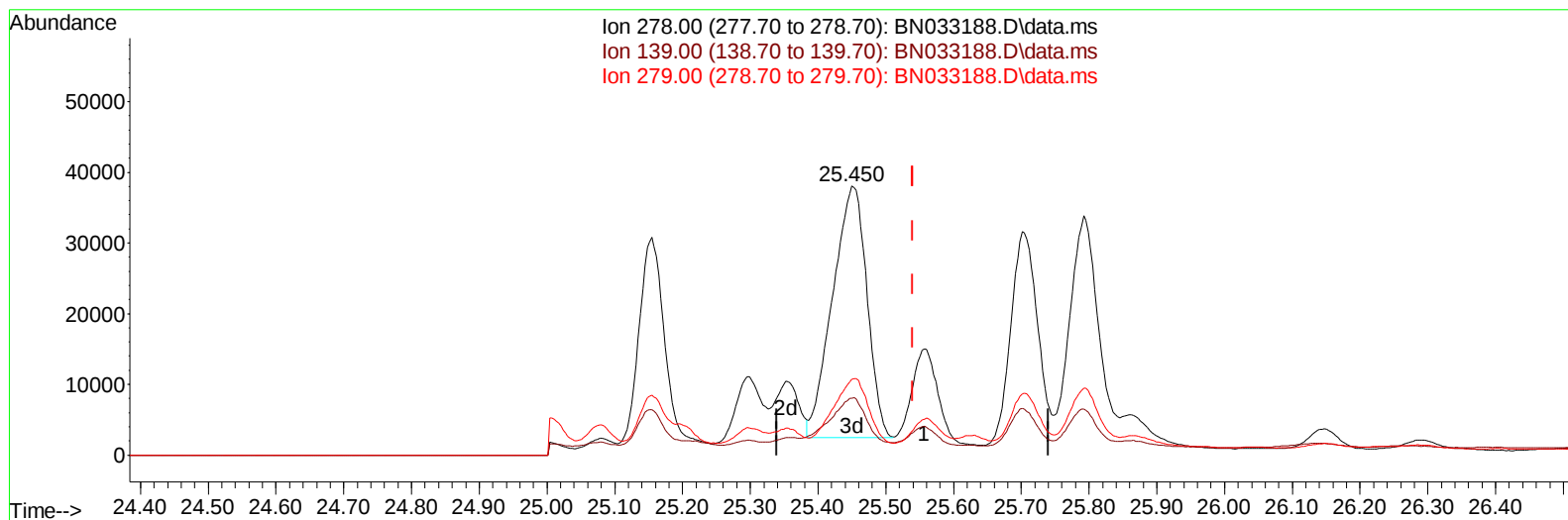
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080224\
Data File : BN033188.D
Acq On : 02 Aug 2024 04:32
Operator : MA/JU
Sample : P3265-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D22

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 08/03/2024



TIC: BN033188.D\data.ms

(28) Dibenzo(a,h)anthracene

25.450min (-0.090) 3.57 ng/u1 m

response 125729

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	28.10	21.04#
279.00	31.90	28.13
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : P3265-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4D22

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 08/02/2024
 Supervised By :mohammad ahmed 08/03/2024

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 QLast Update : Tue Jul 30 14:49:49 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.482	152	3154m	0.400	ng/ul	-0.07
4) Naphthalene-d8	10.240	136	10172	0.400	ng/ul	#-0.08
9) Acenaphthene-d10	14.120	164	6326	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.886	188	14006m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.107	240	8792m	0.400	ng/ul	-0.04
23) Perylene-d12	23.288	264	10638m	0.400	ng/ul	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.048	96	9325	2.337	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.857	152	2605	0.157	ng/ul	-0.07
18) Fluoranthene-d10	18.926	212	6207	0.249	ng/ul	-0.05
Target Compounds						
					Qvalue	
5) Naphthalene	10.284	128	29411	1.126	ng/ul#	93
7) 2-Methylnaphthalene	11.934	142	11037	0.624	ng/ul	96
8) 1-Methylnaphthalene	12.148	142	8827	0.461	ng/ul	100
10) Acenaphthylene	13.842	152	32822	1.268	ng/ul	98
11) Acenaphthene	14.185	153	42769	2.196	ng/ul	99
12) Fluorene	15.184	166	45264	1.994	ng/ul	99
15) Phenanthrene	16.924	178	935670m	24.906	ng/ul	
16) Anthracene	17.021	178	165214m	4.891	ng/ul	
19) Fluoranthene	18.958	202	1684756	58.198	ng/ul	97
20) Pyrene	19.325	202	1280036	41.233	ng/ul	97
21) Benzo(a)anthracene	21.093	228	645451m	21.523	ng/ul	
22) Chrysene	21.145	228	722098	20.632	ng/ul	99
24) Benzo(b)fluoranthene	22.636	252	1017454m	32.741	ng/ul	
25) Benzo(k)fluoranthene	22.671	252	334423m	8.980	ng/ul	
26) Benzo(a)pyrene	23.188	252	441884	15.109	ng/ul#	73
27) Indeno(1,2,3-cd)pyrene	25.457	276	442686	9.954	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.450	278	125729m	3.567	ng/ul	
29) Benzo(g,h,i)perylene	26.134	276	66951	1.895	ng/ul	96

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

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