

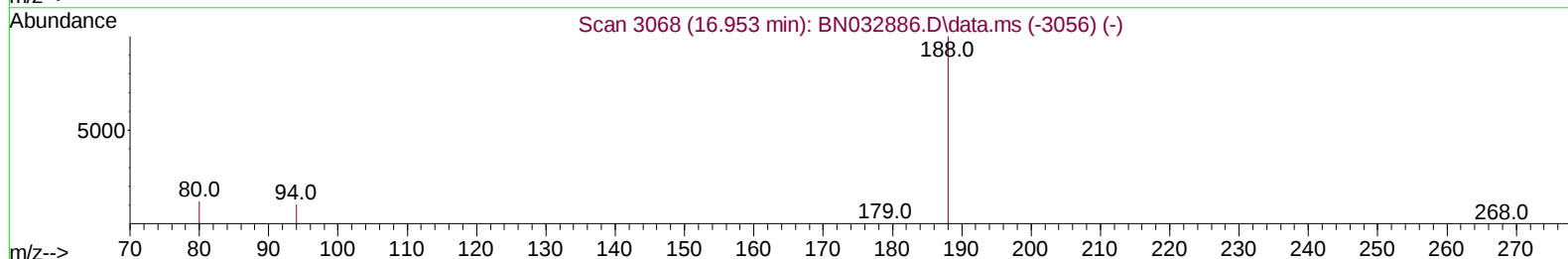
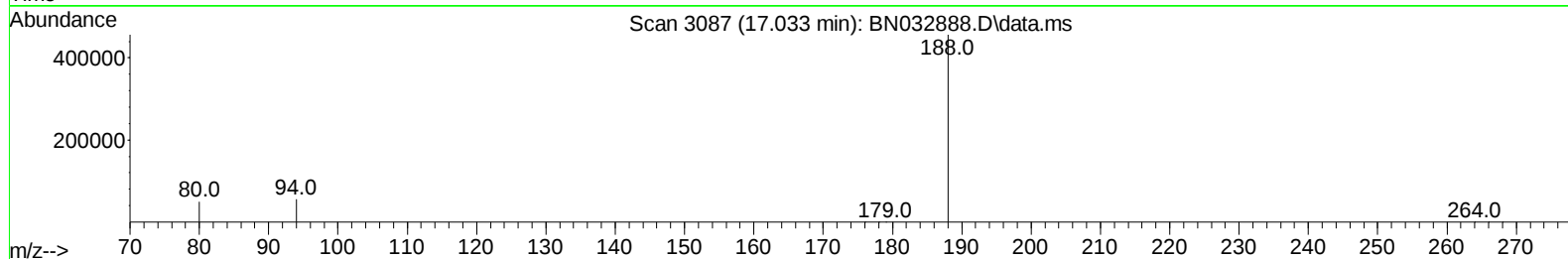
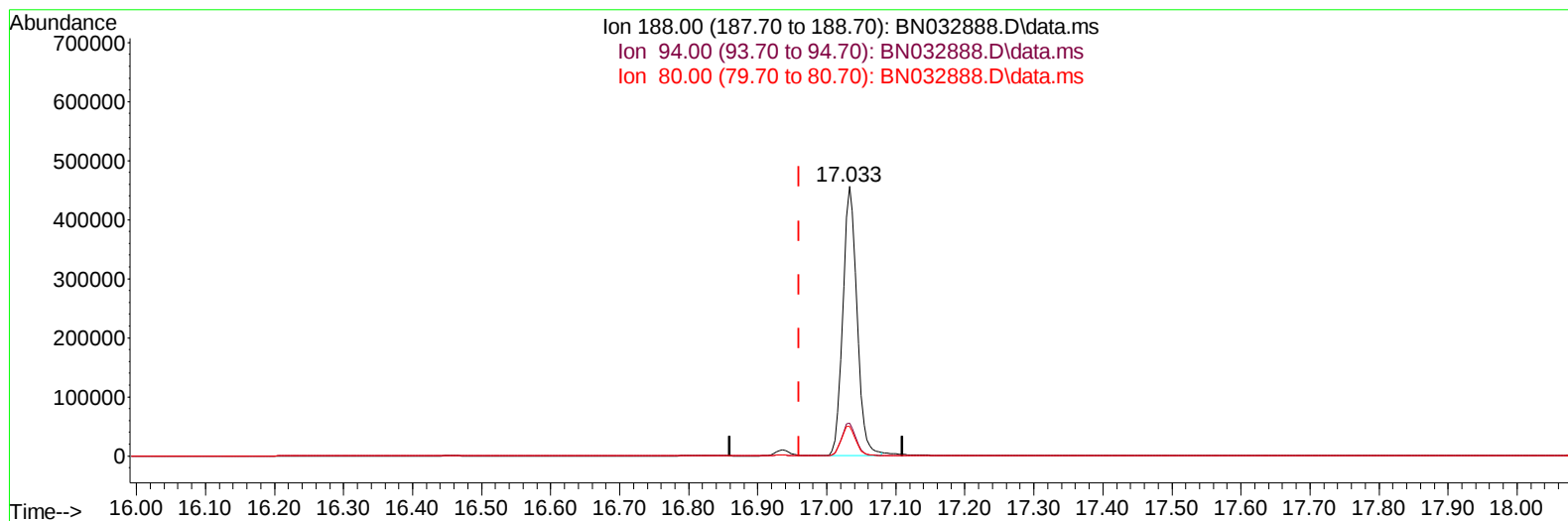
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032888.D\data.ms

(13) Phenanthrene-d10 (I)

17.033min (+ 0.073) 0.40 ng/u1

response 650041

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.14
80.00	12.00	10.99
0.00	0.00	0.00

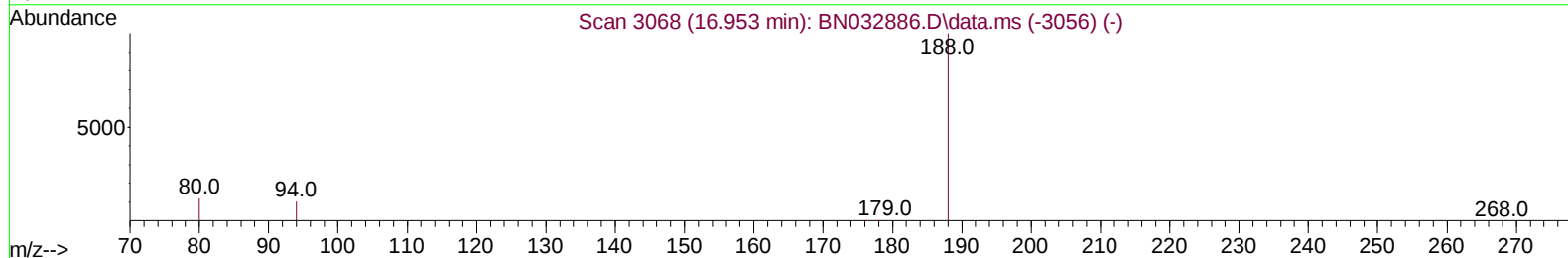
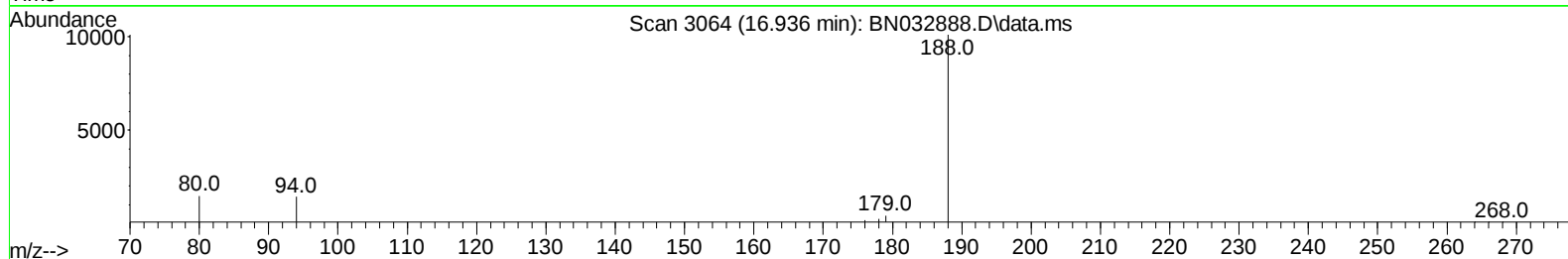
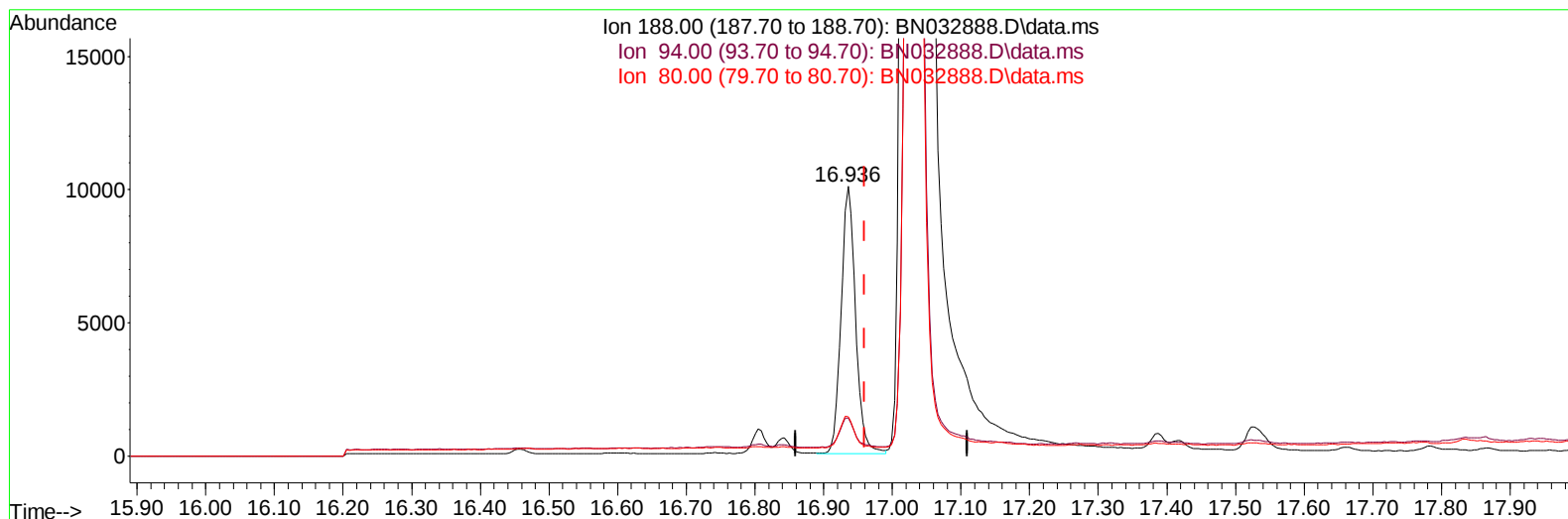
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(13) Phenanthrene-d10 (I)

16.936min (-0.024) 0.40 ng/u1 m

response 14702

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	14.10#
80.00	12.00	14.48#
0.00	0.00	0.00

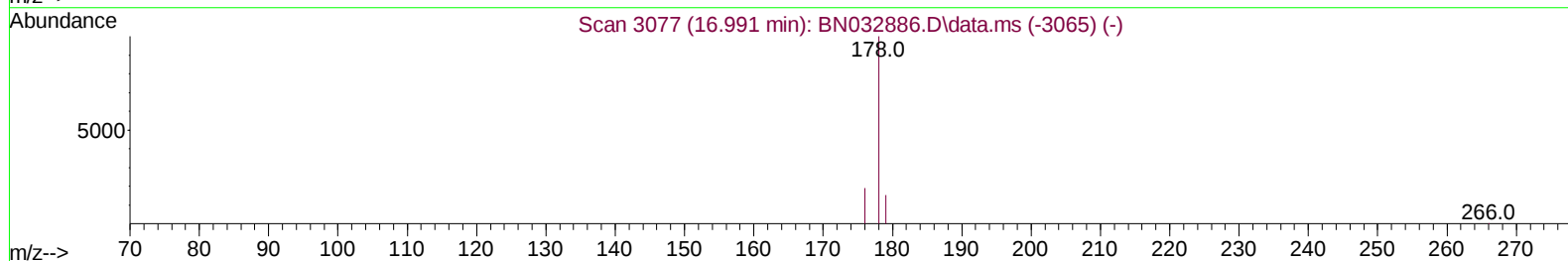
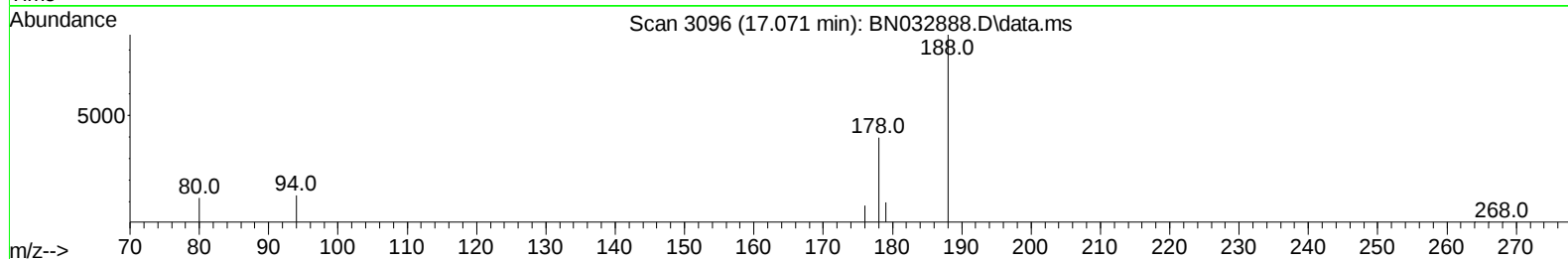
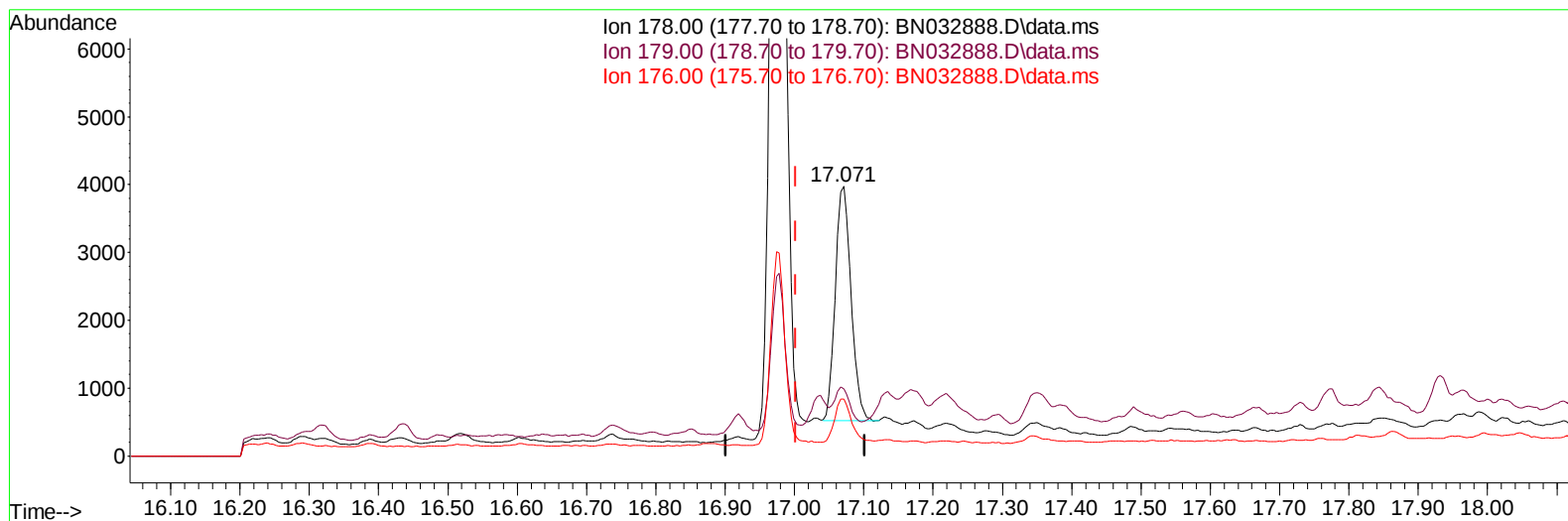
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(15) Phenanthrene

17.071min (+ 0.069) 0.14 ng/u1

response 5425

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	24.82#
176.00	19.50	21.02
0.00	0.00	0.00

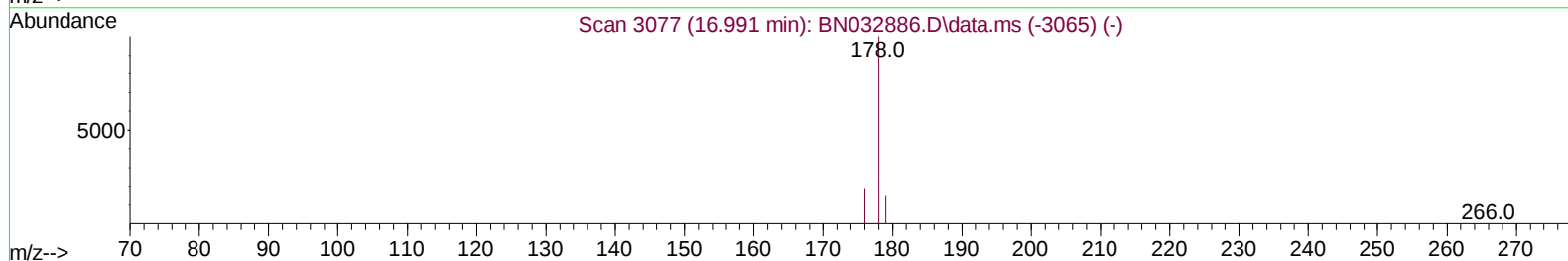
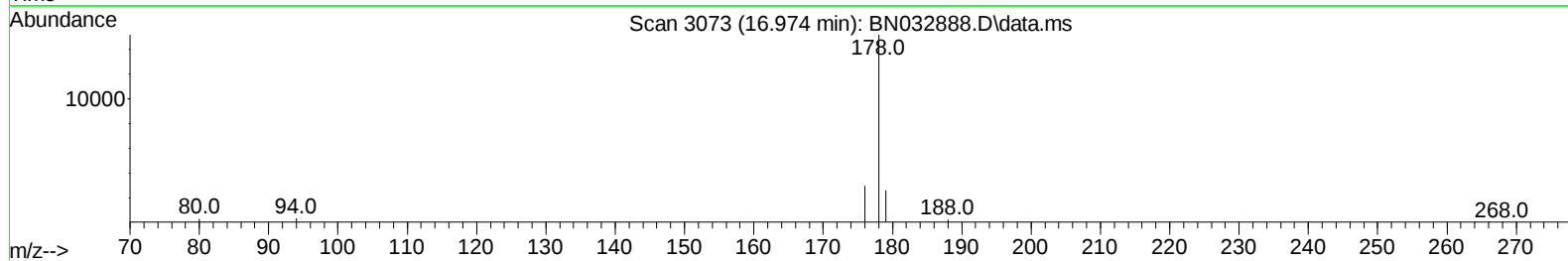
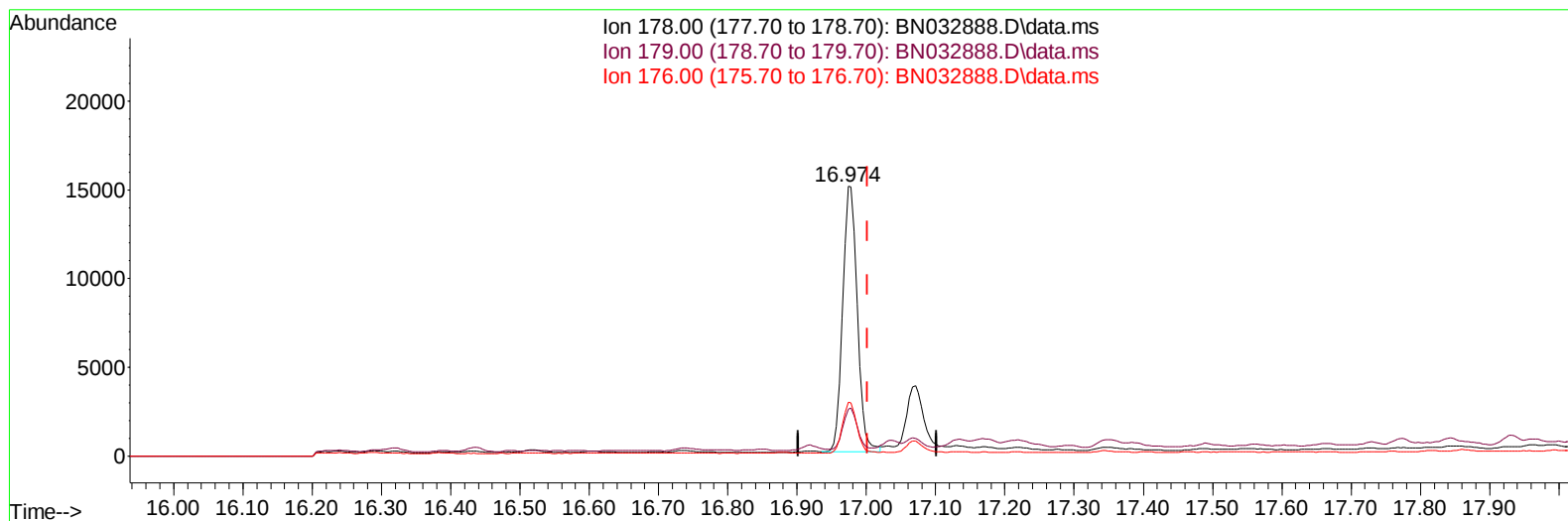
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(15) Phenanthrene

16.974min (-0.028) 0.54 ng/ul m

response 21774

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.44
176.00	19.50	19.85
0.00	0.00	0.00

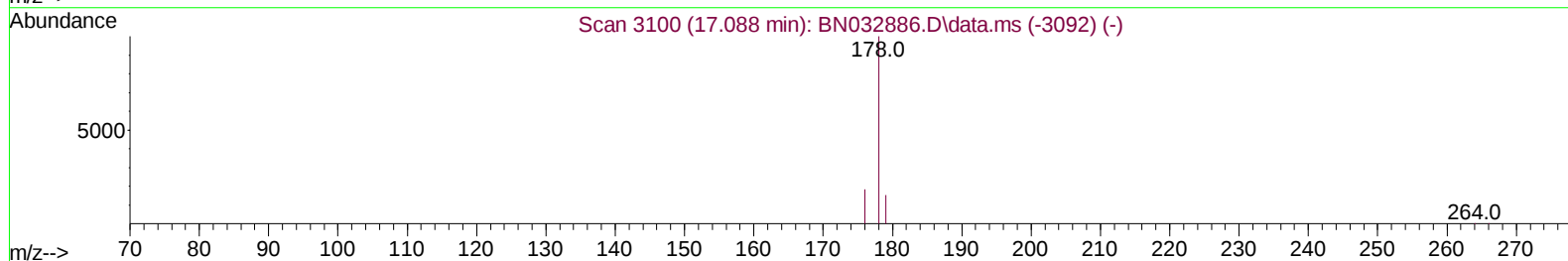
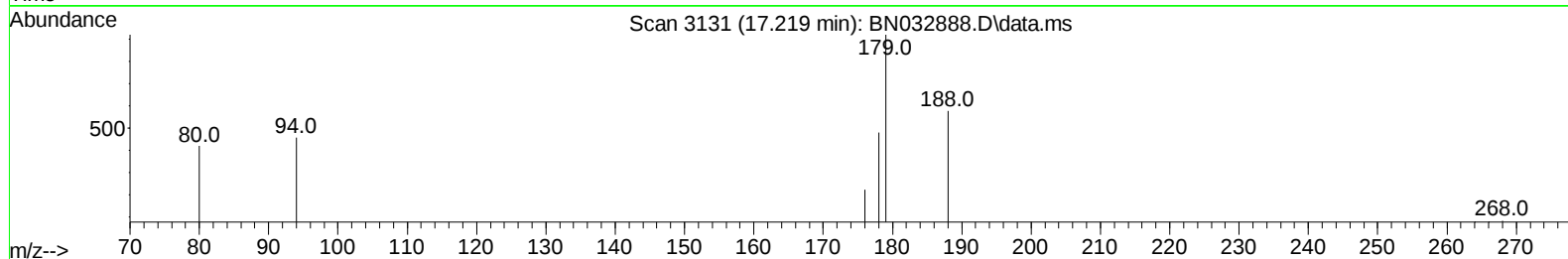
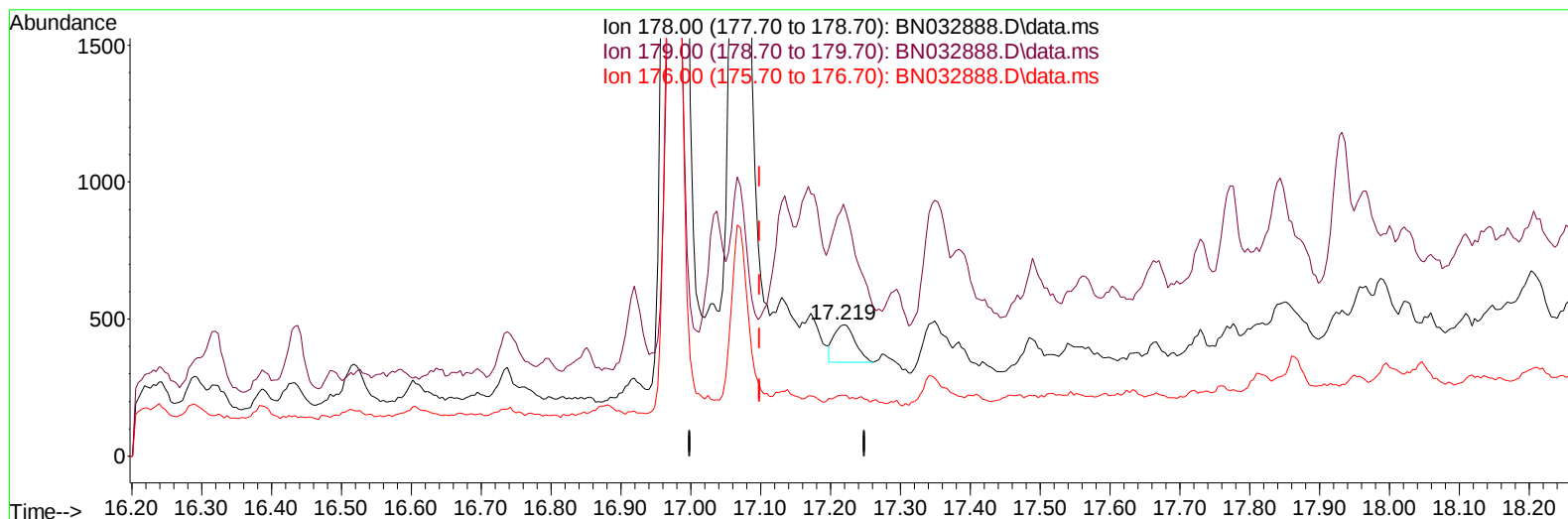
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(16) Anthracene

17.219min (+ 0.120) 0.01 ng/u1

response 285

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	191.88#
176.00	19.20	46.46#
0.00	0.00	0.00

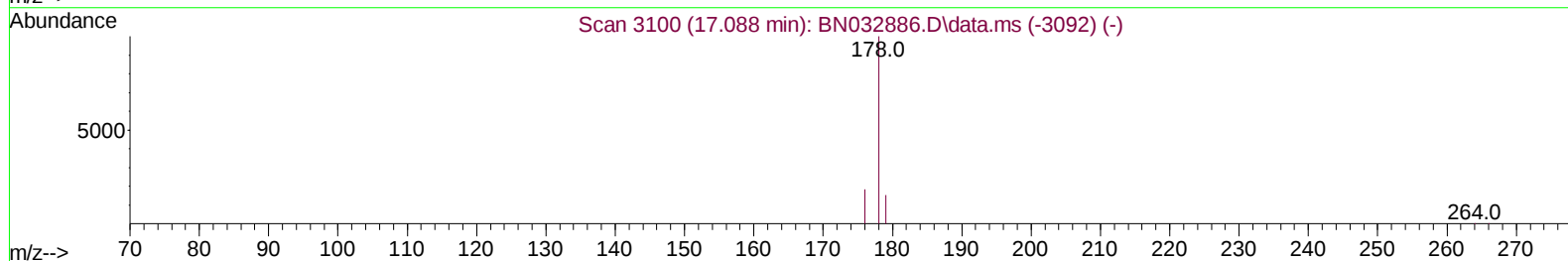
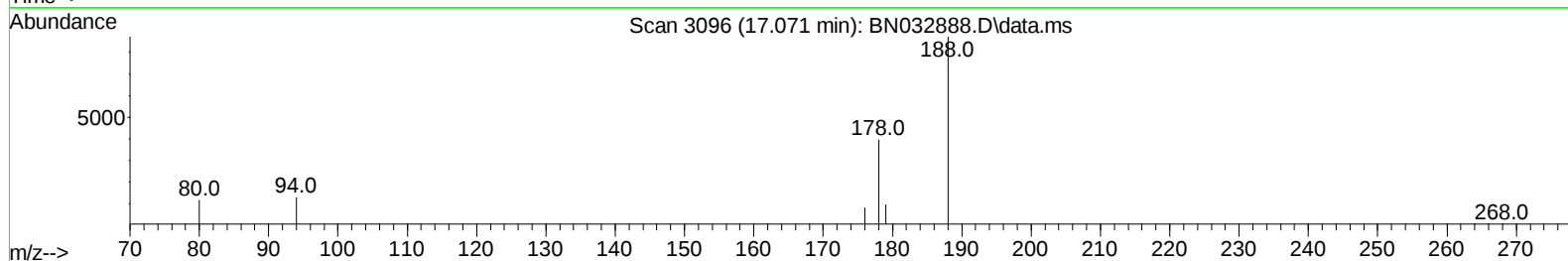
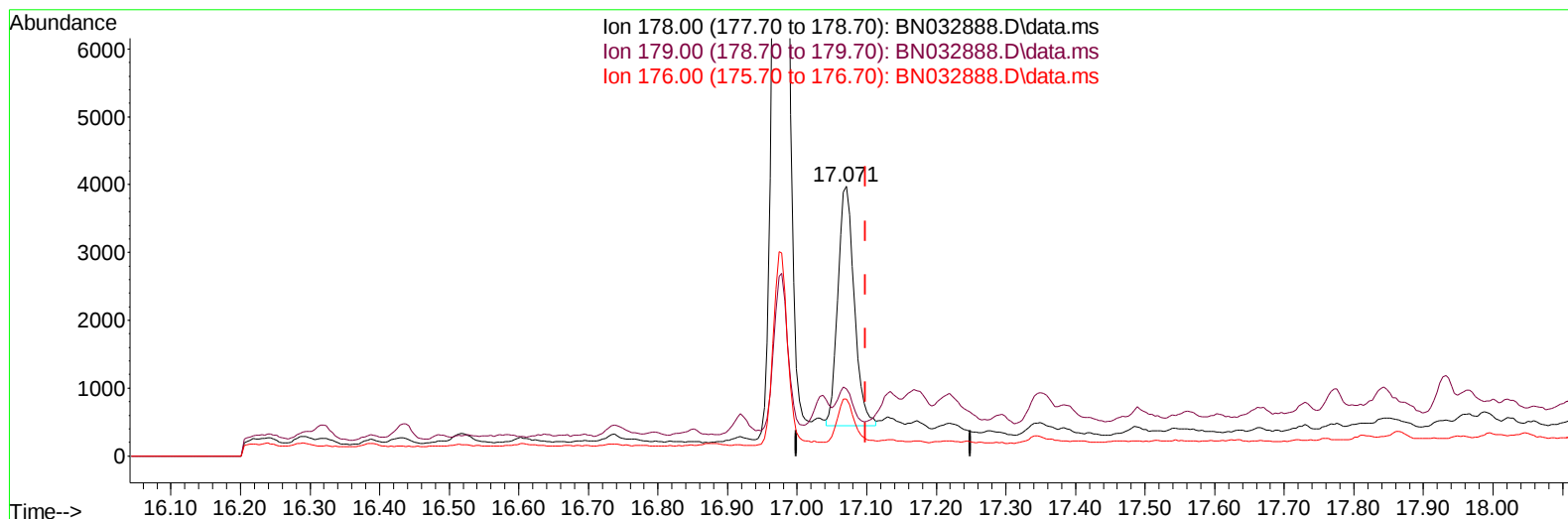
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032888.D\data.ms

(16) Anthracene

17.071min (-0.028) 0.18 ng/ul m

response 5759

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	24.82#
176.00	19.20	21.02
0.00	0.00	0.00

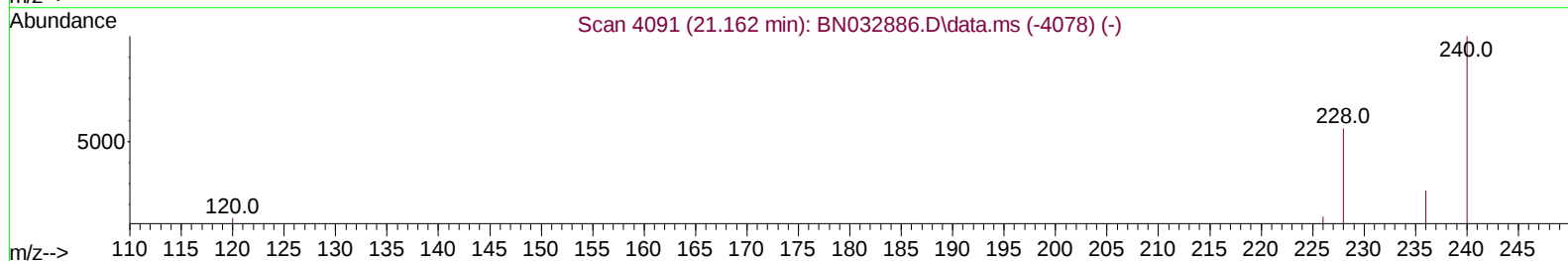
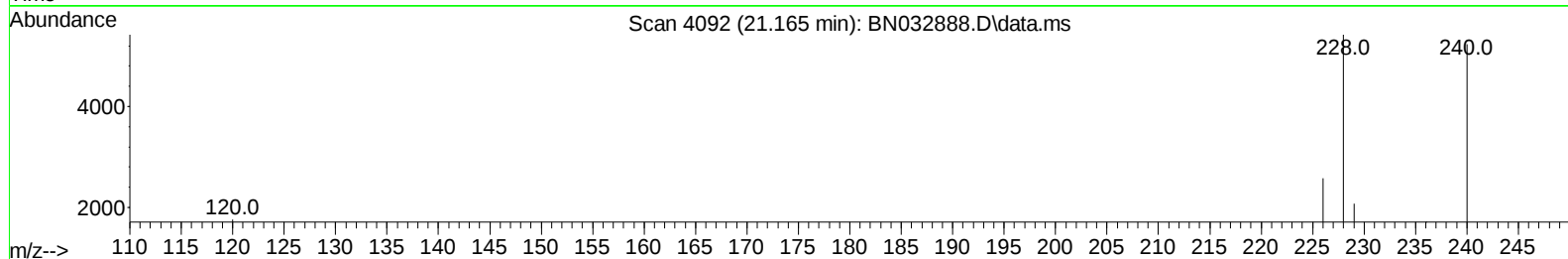
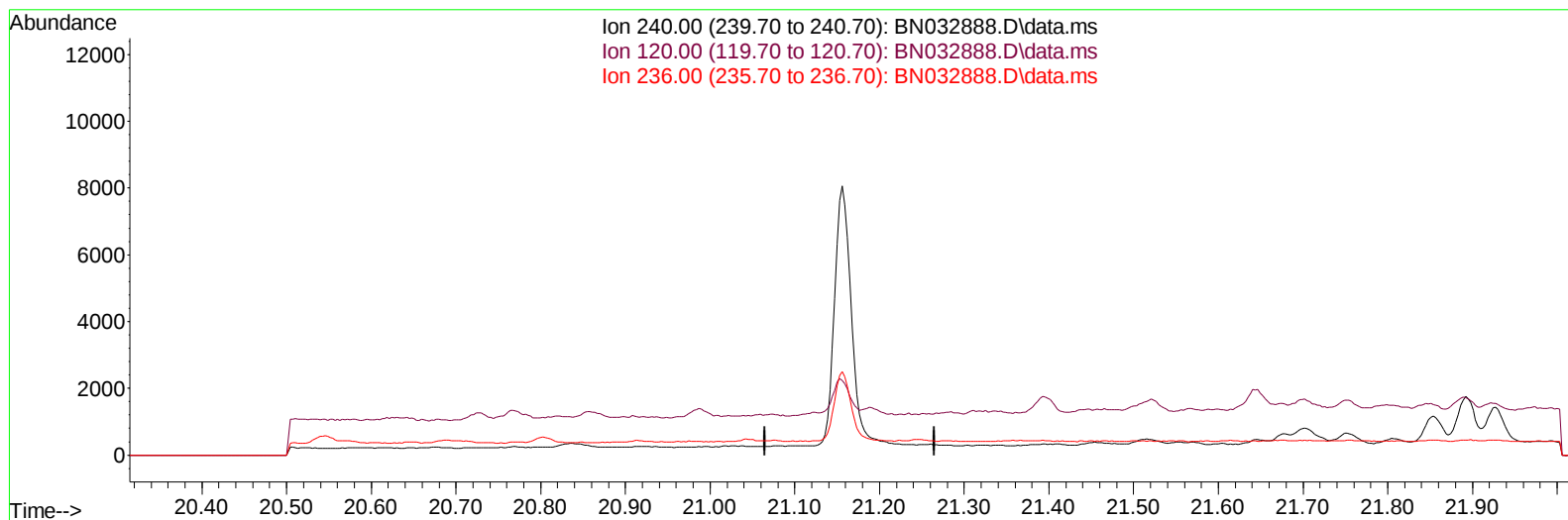
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(17) Chrysene-d12

21.165min (-21.165) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	18.00	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

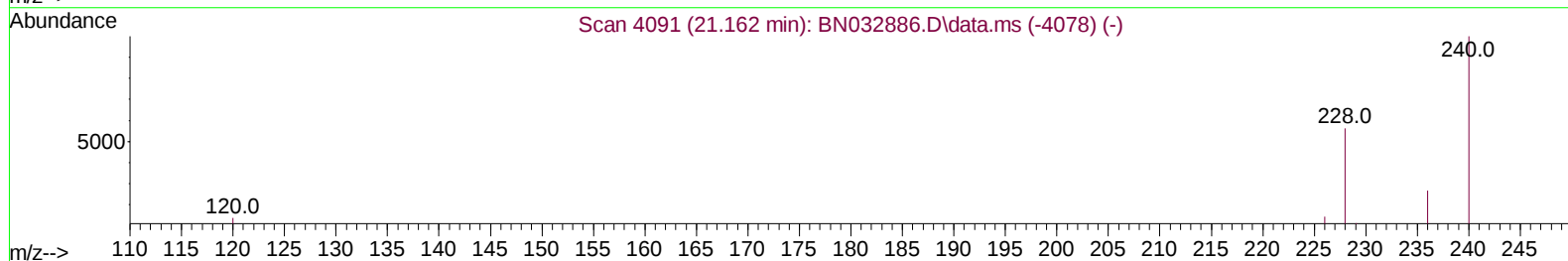
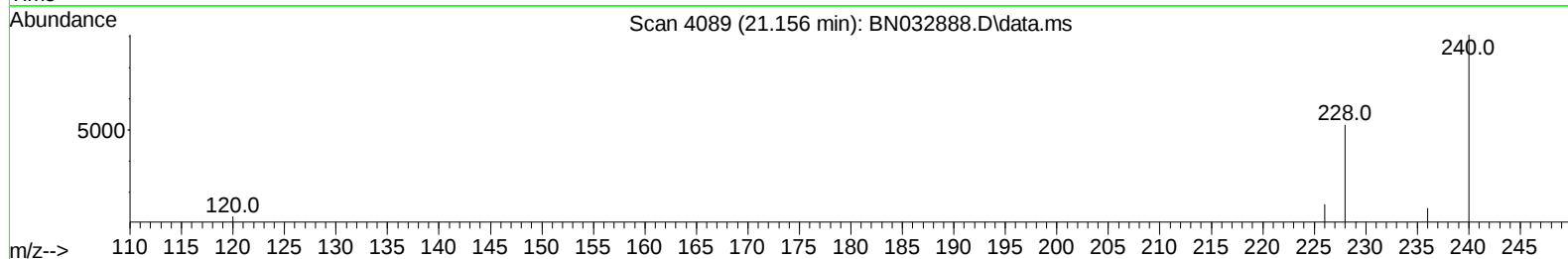
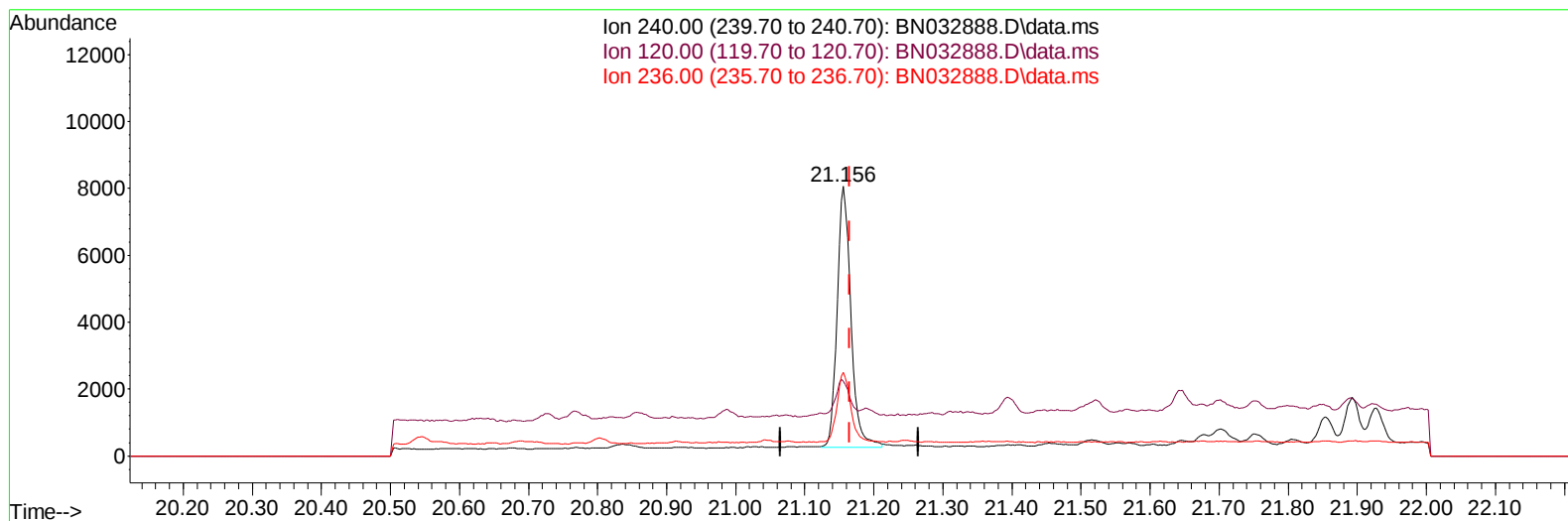
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(17) Chrysene-d12

21.156min (-0.009) 0.40 ng/ul m

response 10773

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	27.63#
236.00	28.40	30.92
0.00	0.00	0.00

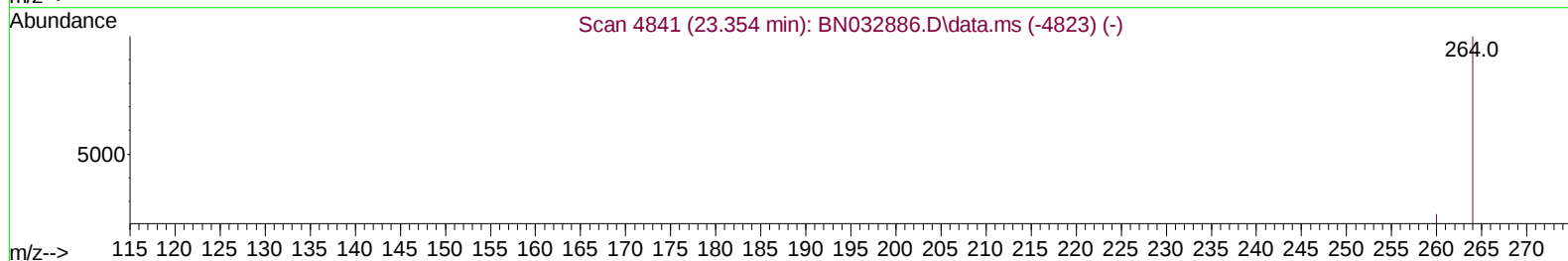
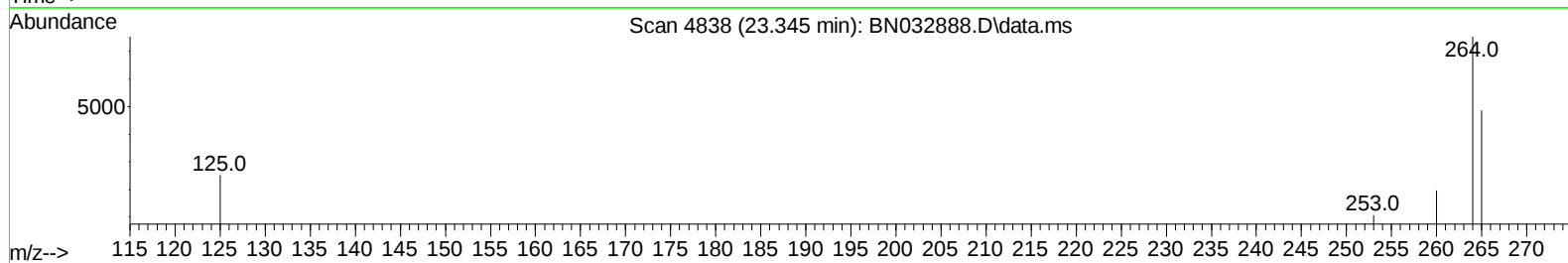
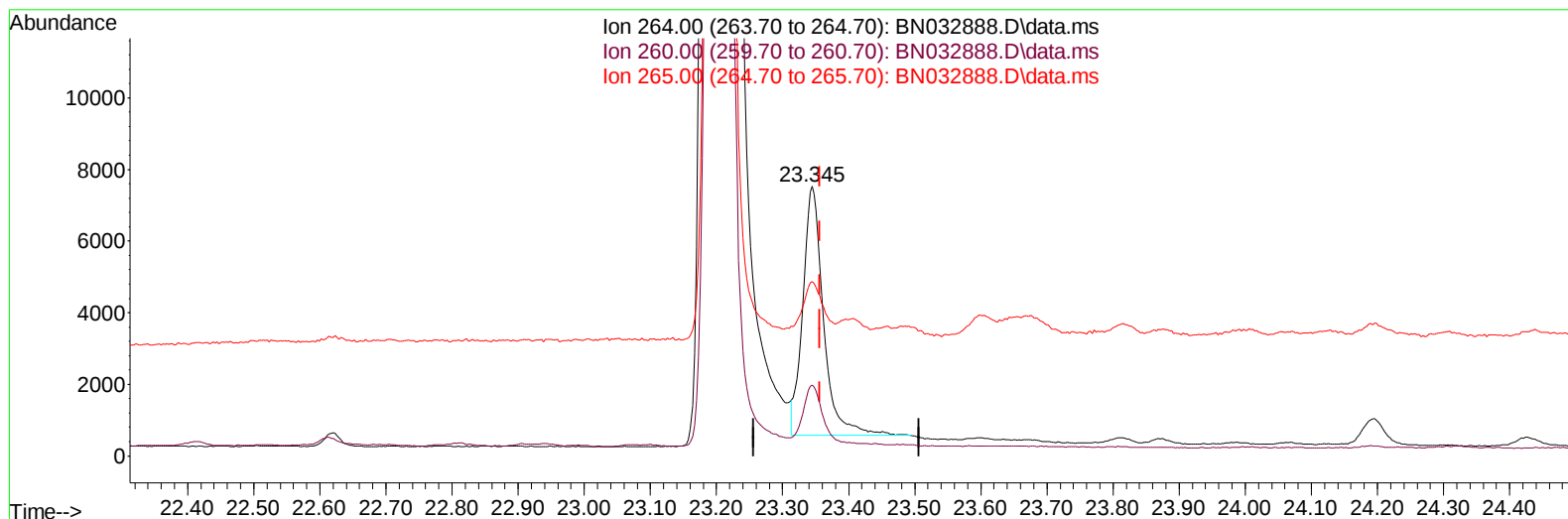
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/u1

response 15214

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.34
265.00	95.50	64.68#
0.00	0.00	0.00

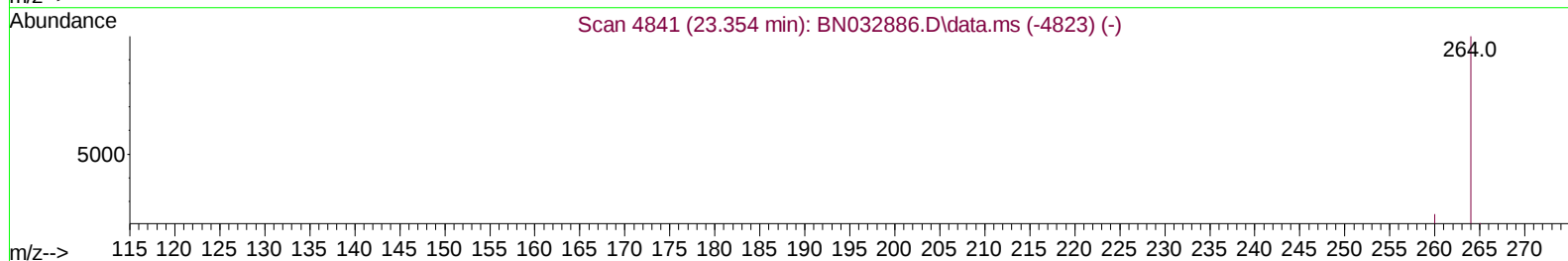
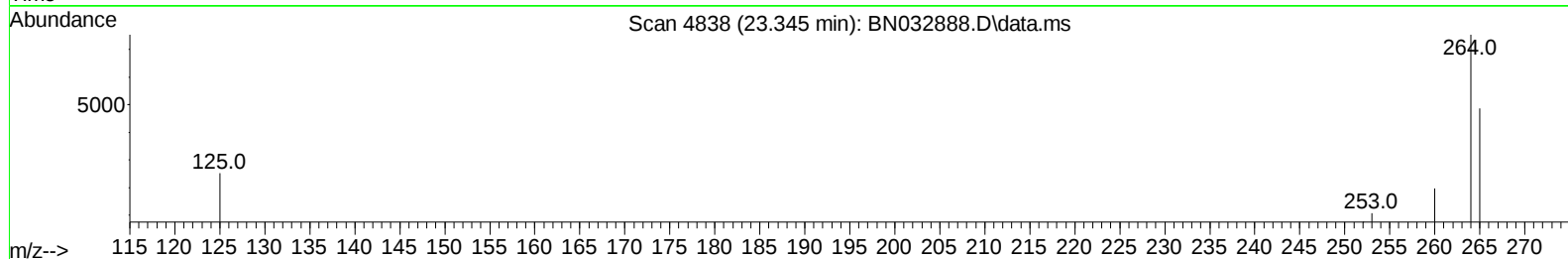
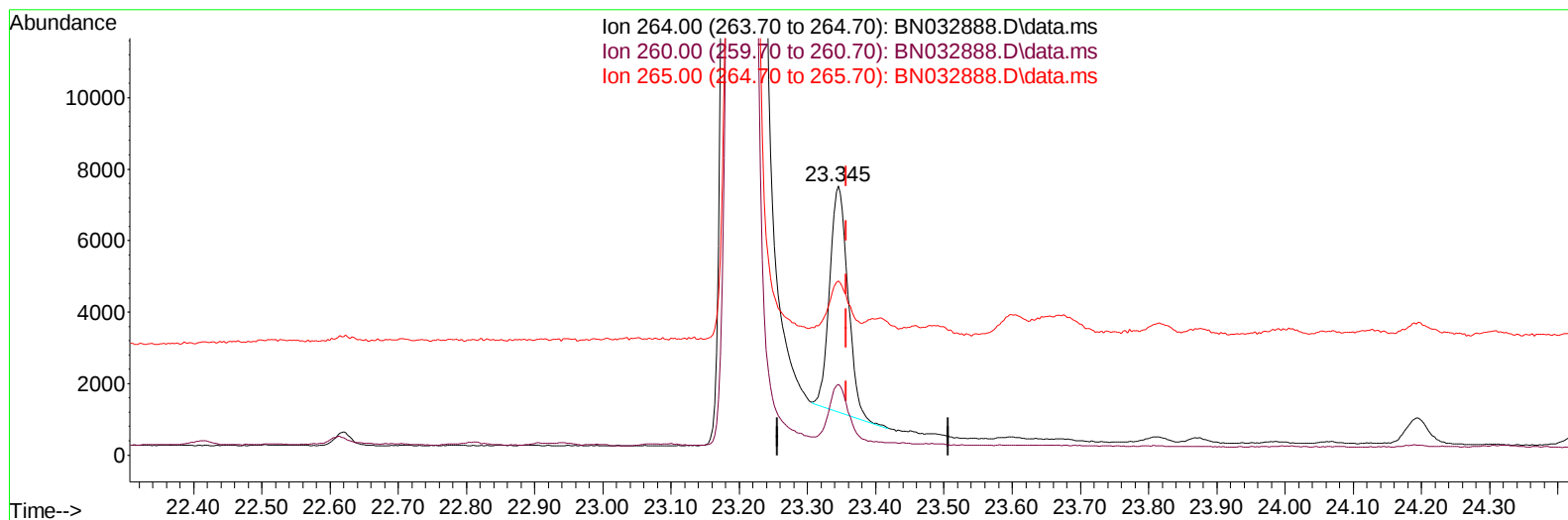
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(23) Perylene-d12 (I)

23.345min (-0.012) 0.40 ng/ul m

response 11811

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	26.34
265.00	95.50	64.68#
0.00	0.00	0.00

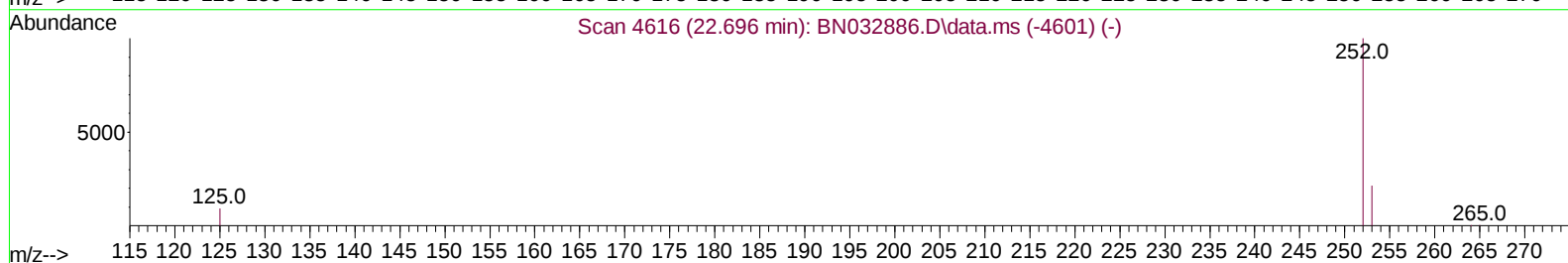
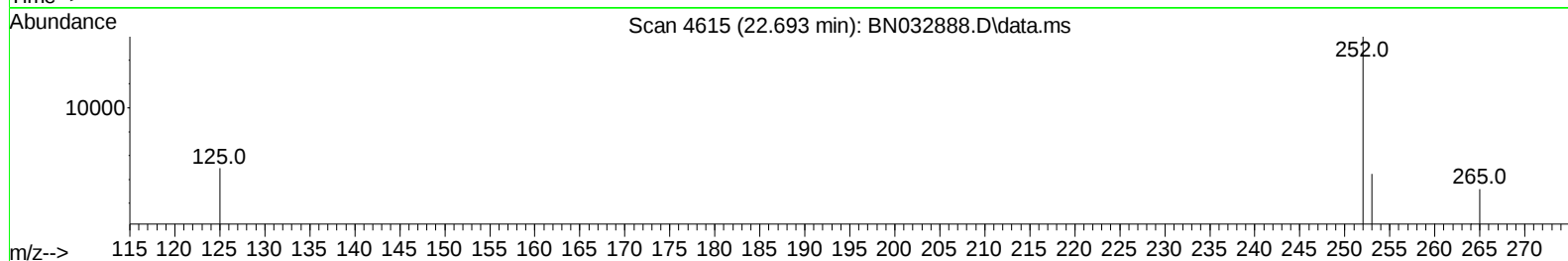
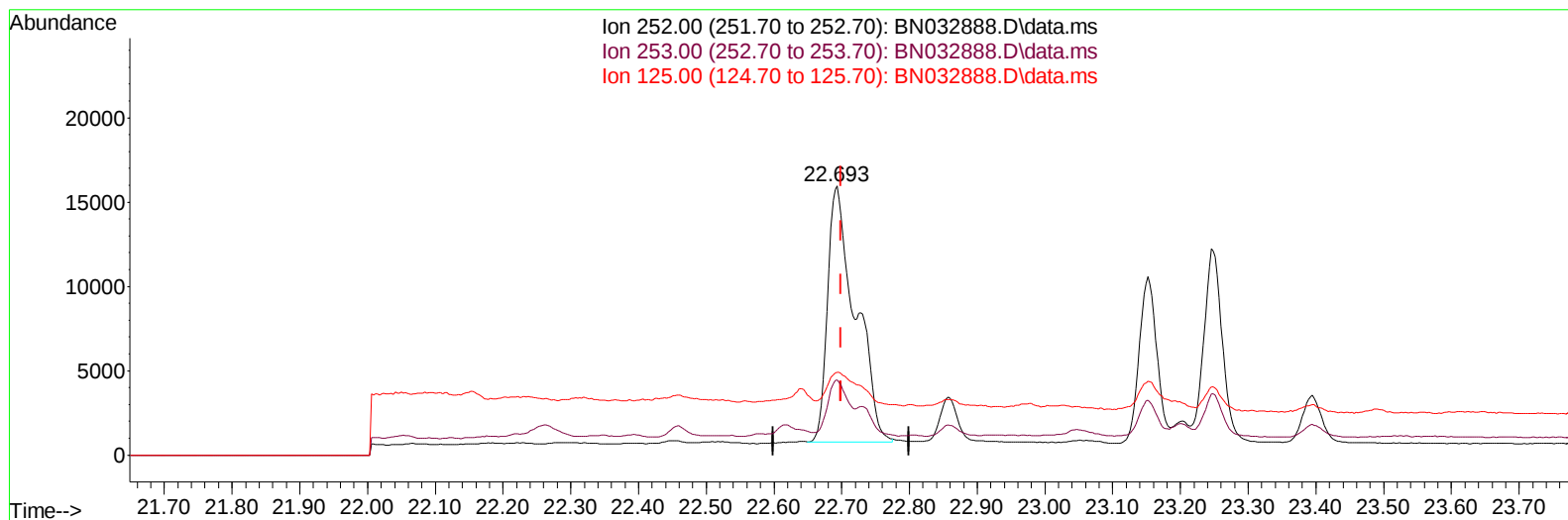
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 12:32:19 2024
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TIC: BN032888.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.006) 1.03 ng/u1

response 43052

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.00
125.00	18.00	30.86
0.00	0.00	0.00

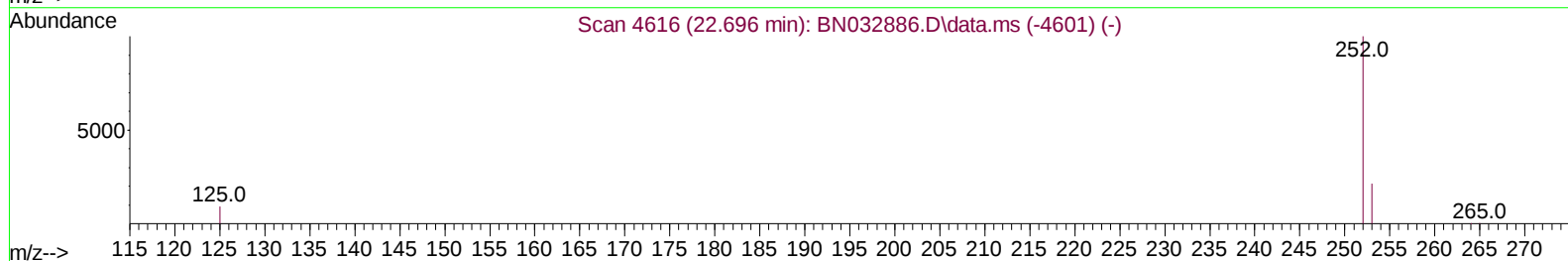
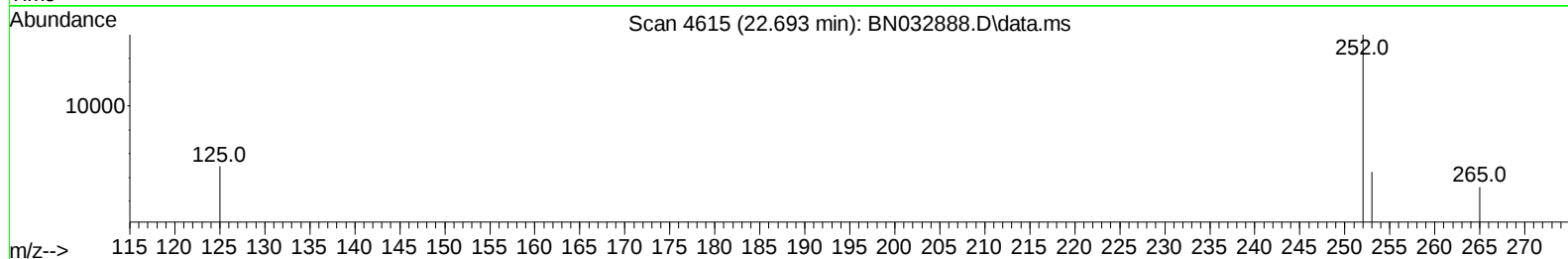
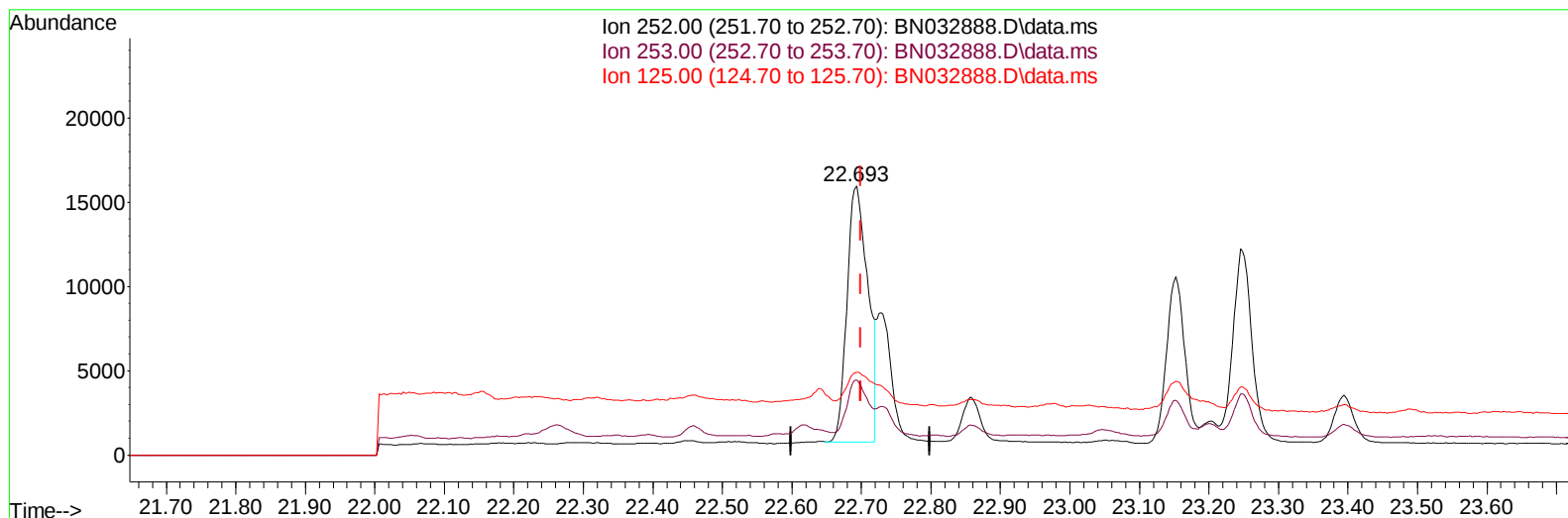
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Quant Time: Jul 22 12:32:19 2024
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024



TIC: BN032888.D\data.ms

(24) Benzo(b)fluoranthene

22.693min (-0.006) 0.76 ng/u1 m

response 31773

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	28.00
125.00	18.00	30.86
0.00	0.00	0.00

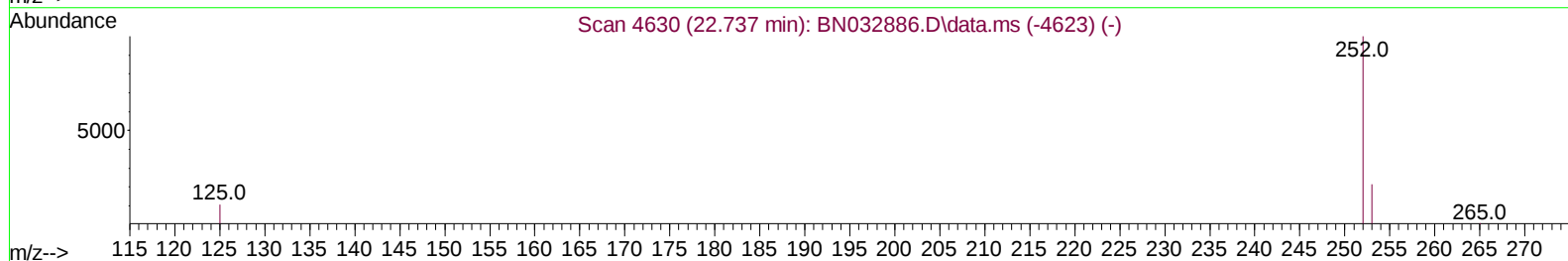
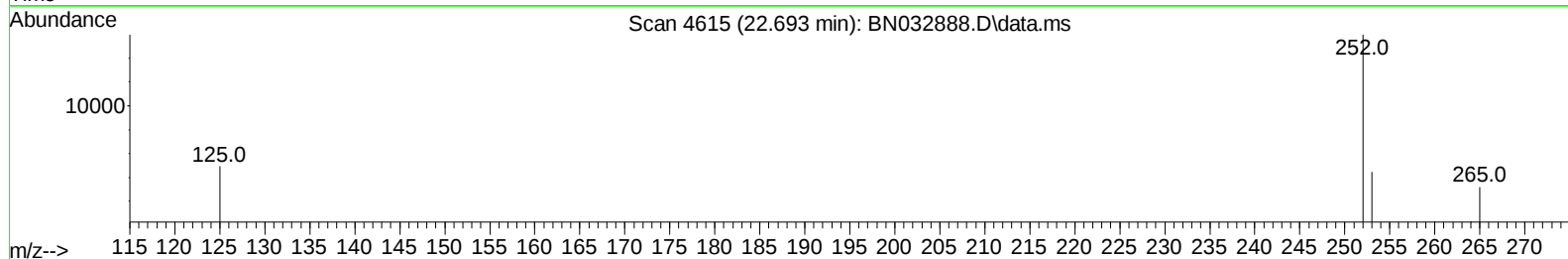
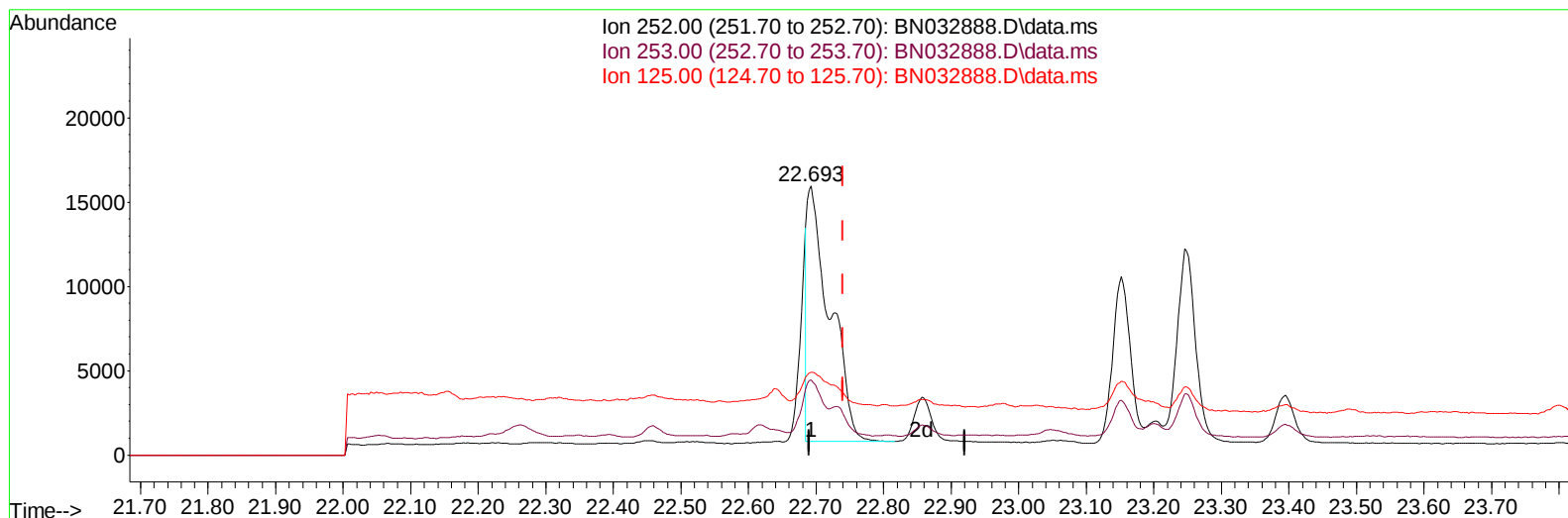
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032888.D\data.ms

(25) Benzo(k)fluoranthene

22.693min (-0.047) 0.70 ng/u1

response 35356

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	28.00
125.00	18.50	30.86#
0.00	0.00	0.00

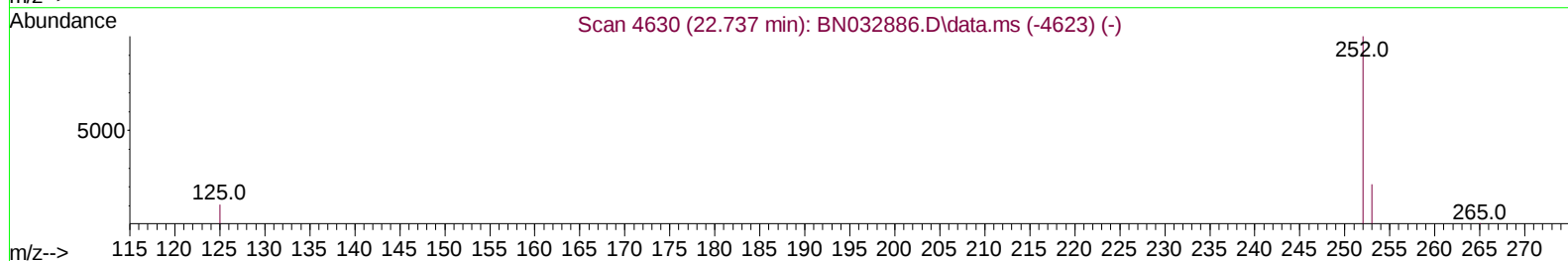
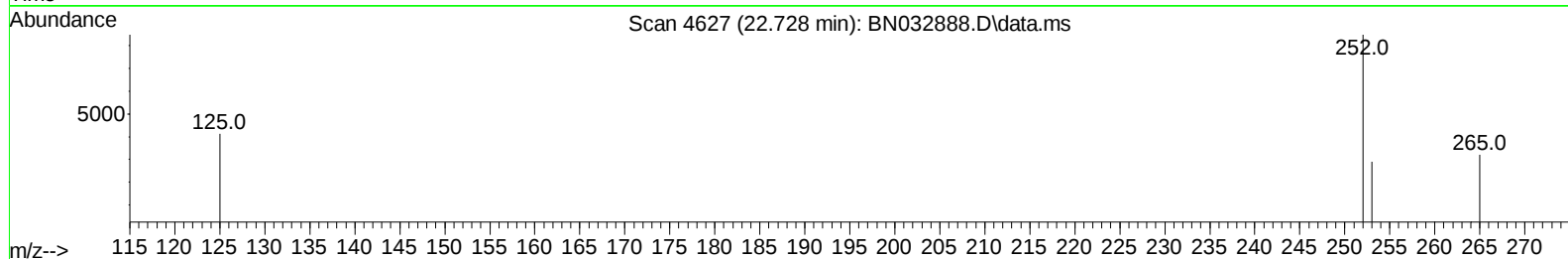
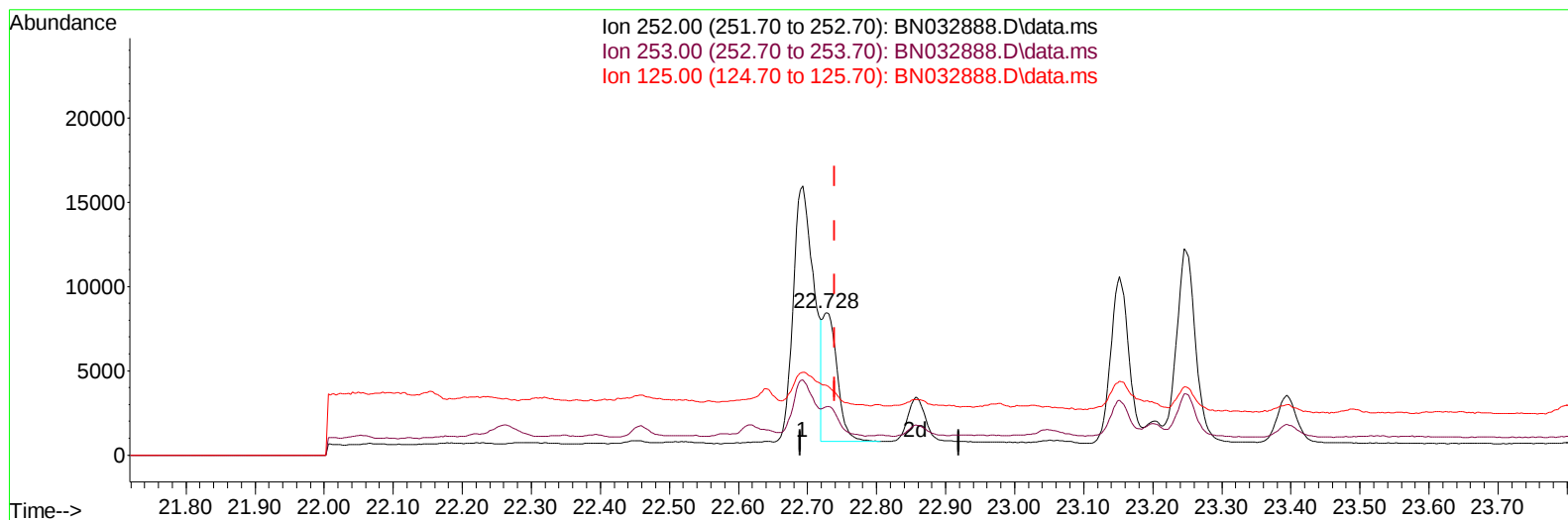
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
Data File : BN032888.D
Acq On : 22 Jul 2024 11:58
Operator : MA/JU
Sample : P3215-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4D24

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/23/2024

Quant Time: Jul 22 12:32:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 20 01:52:15 2024
Response via : Initial Calibration



TIC: BN032888.D\data.ms

(25) Benzo(k)fluoranthene

22.728min (-0.012) 0.22 ng/u1 m

response 11230

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	34.18#
125.00	18.50	48.65#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN072224\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.523	152	4248	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.288	136	14433	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.174	164	8546	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.936	188	14702m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.156	240	10773m	0.400	ng/ul	0.00
23) Perylene-d12	23.345	264	11811m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.084	96	13238	2.595	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.900	152	3994	0.183	ng/ul	-0.03
18) Fluoranthene-d10	18.980	212	6732	0.192	ng/ul	-0.02
Target Compounds						
					Qvalue	
5) Naphthalene	10.338	128	3522	0.091	ng/ul#	94
7) 2-Methylnaphthalene	11.977	142	1119	0.046	ng/ul	95
8) 1-Methylnaphthalene	12.197	142	716	0.029	ng/ul	100
10) Acenaphthylene	13.892	152	4659	0.135	ng/ul#	91
11) Acenaphthene	14.239	153	1221	0.043	ng/ul	97
12) Fluorene	15.234	166	2250	0.069	ng/ul#	96
15) Phenanthrene	16.974	178	21774m	0.544	ng/ul	
16) Anthracene	17.071	178	5759m	0.176	ng/ul	
19) Fluoranthene	19.008	202	45566	1.040	ng/ul	99
20) Pyrene	19.375	202	46750	1.031	ng/ul	99
21) Benzo(a)anthracene	21.141	228	20627	0.602	ng/ul#	91
22) Chrysene	21.194	228	26830	0.541	ng/ul#	93
24) Benzo(b)fluoranthene	22.693	252	31773m	0.762	ng/ul	
25) Benzo(k)fluoranthene	22.728	252	11230m	0.221	ng/ul	
26) Benzo(a)pyrene	23.245	252	21801	0.605	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.556	276	16276	0.333	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.549	278	3976	0.105	ng/ul#	30
29) Benzo(g,h,i)perylene	26.233	276	16726	0.410	ng/ul	93

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

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