

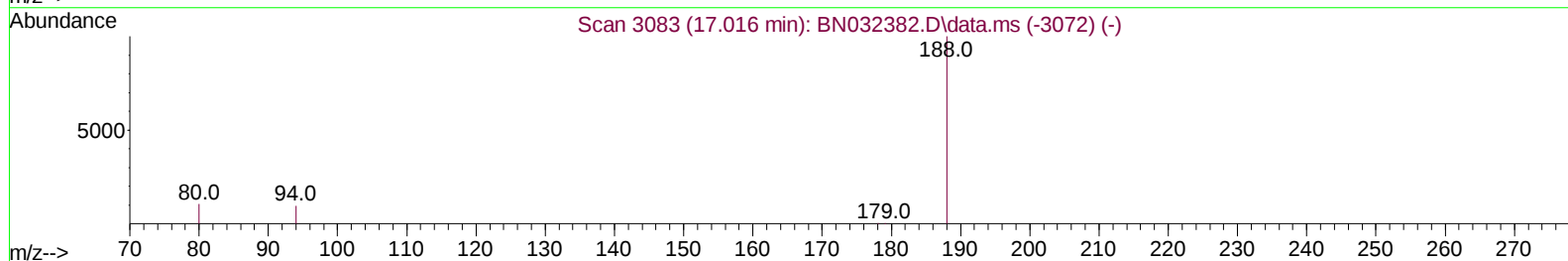
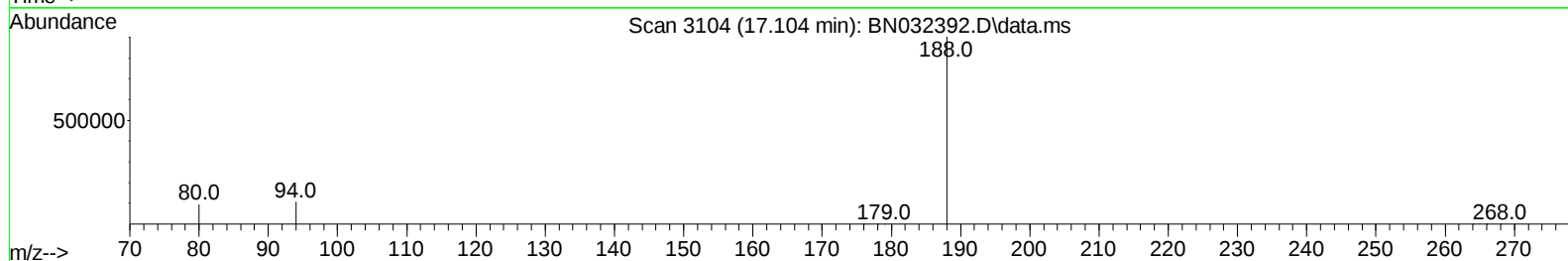
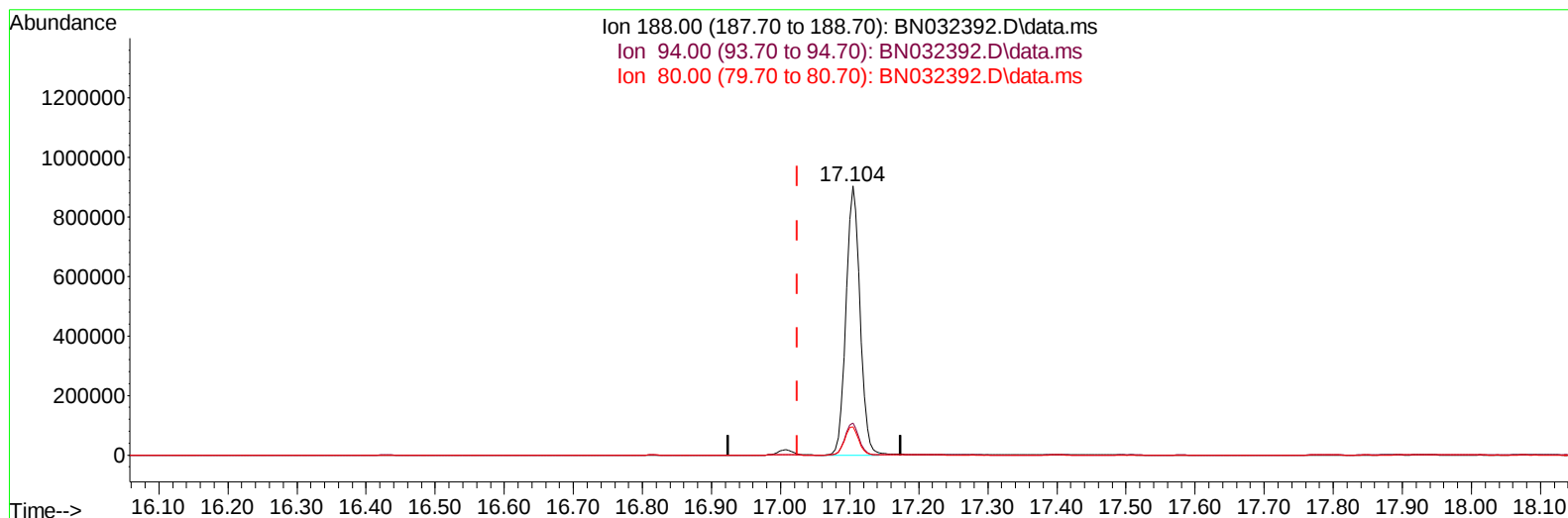
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(13) Phenanthrene-d10 (I)

17.104min (+ 0.080) 0.40 ng/u1

response 1265157

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.84
80.00	10.50	10.41
0.00	0.00	0.00

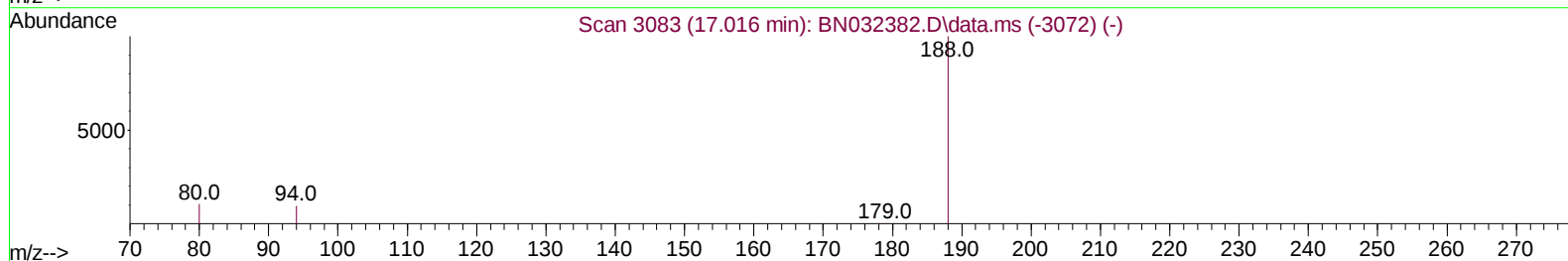
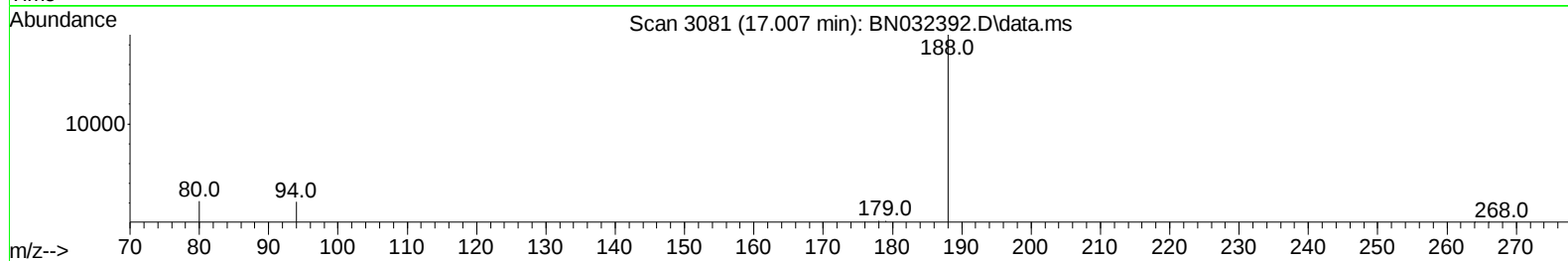
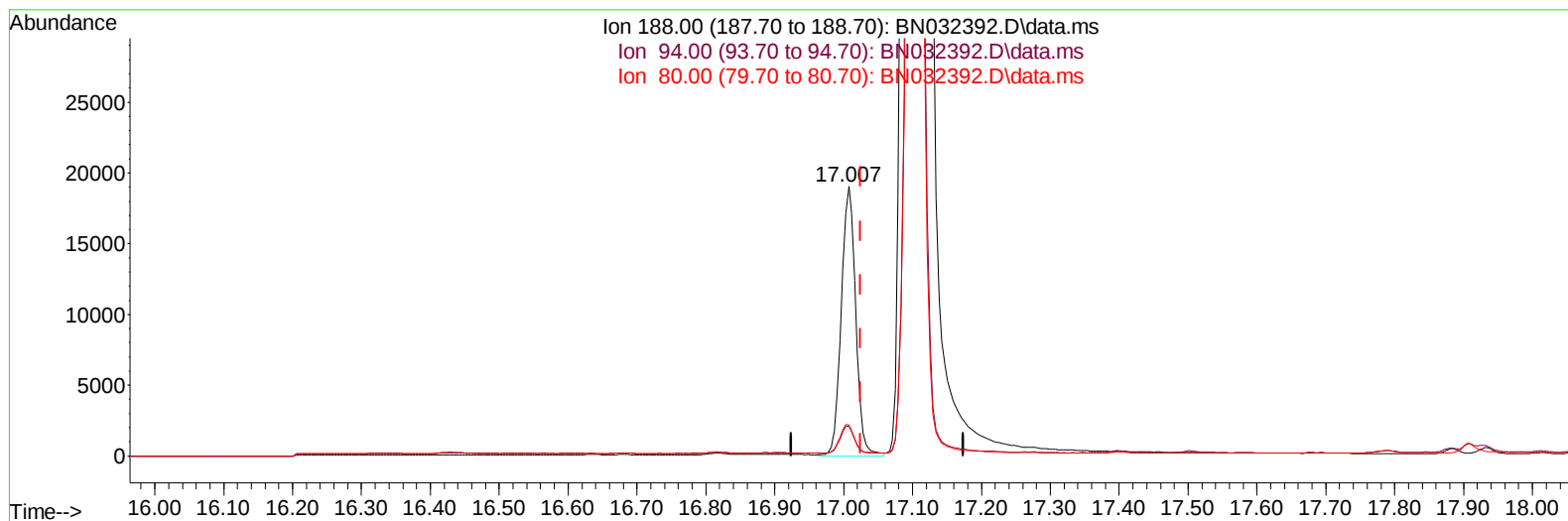
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(13) Phenanthrene-d10 (I)

17.007min (-0.017) 0.40 ng/ul m

response 27686

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	10.98
80.00	10.50	11.47
0.00	0.00	0.00

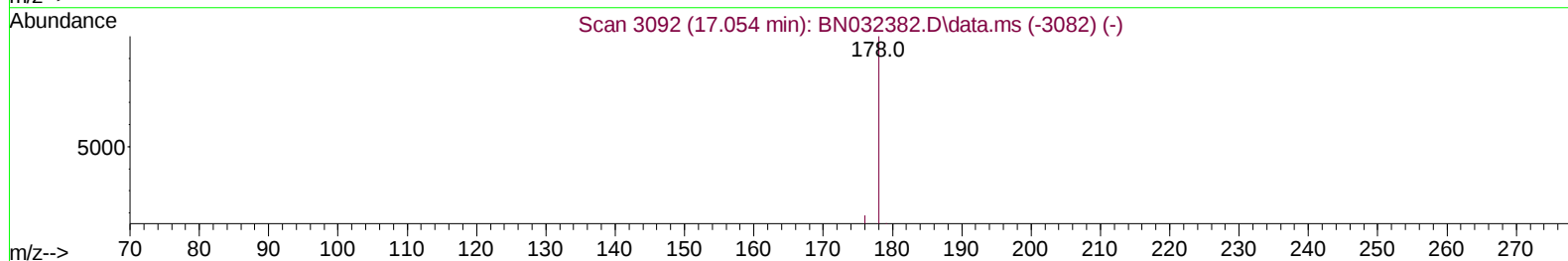
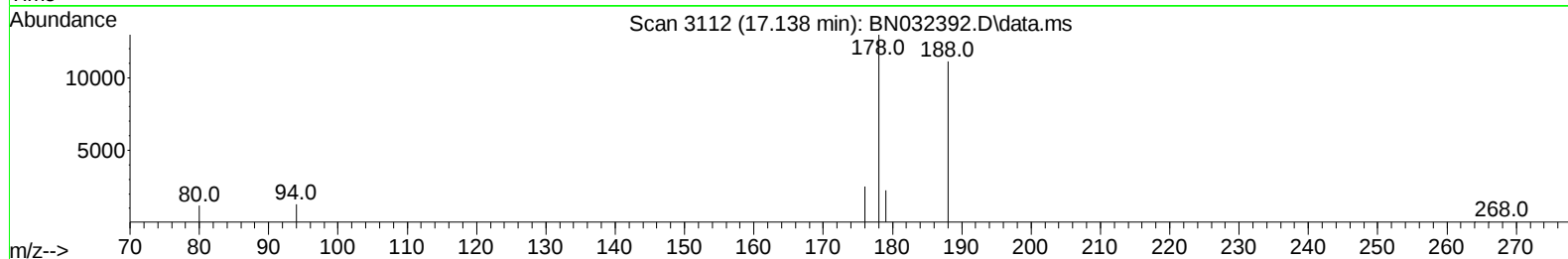
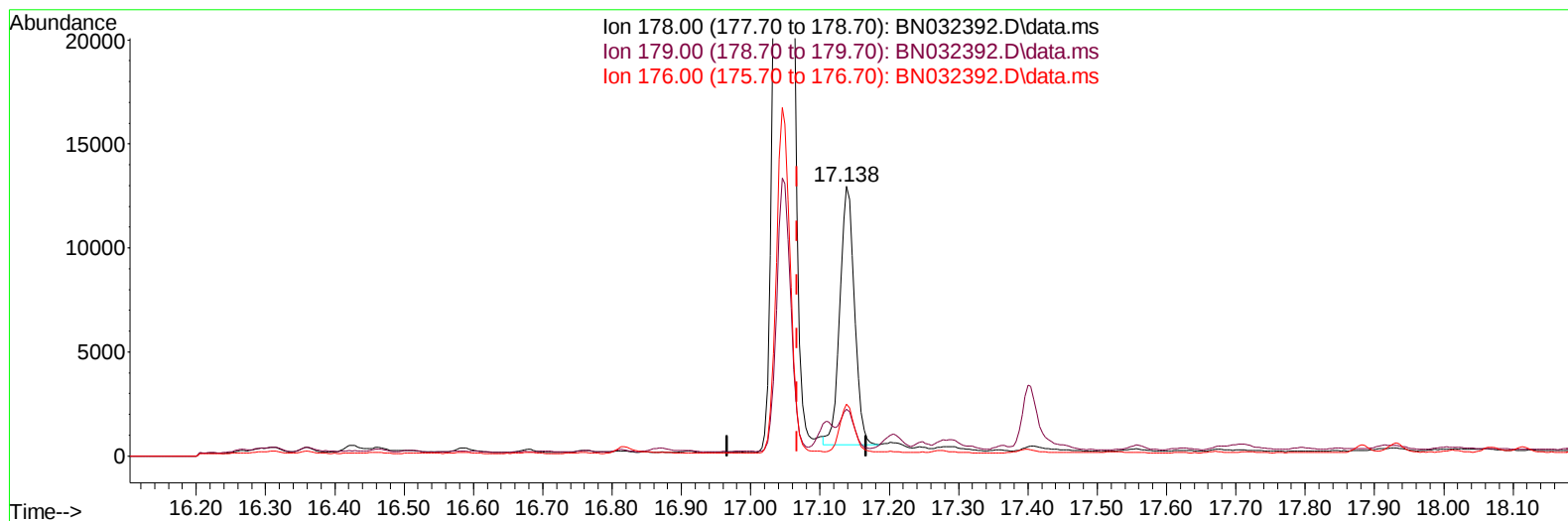
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(15) Phenanthrene

17.138min (+ 0.071) 0.24 ng/u1

response 18102

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	17.34
176.00	19.50	19.33
0.00	0.00	0.00

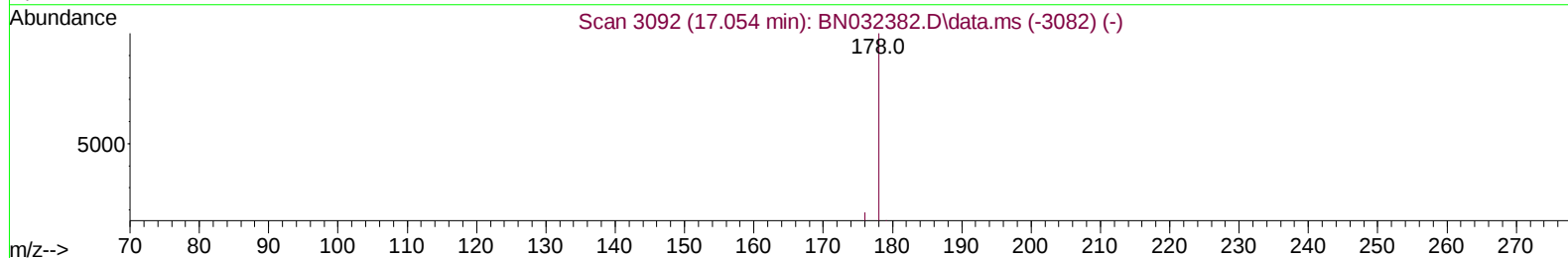
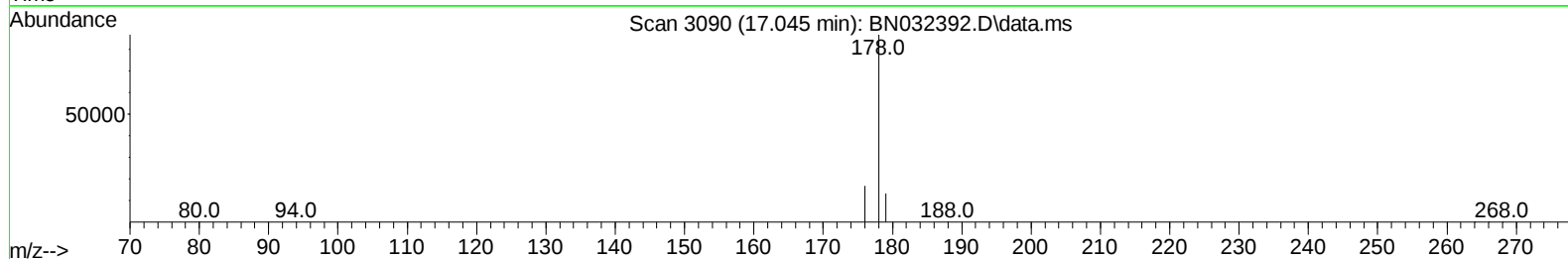
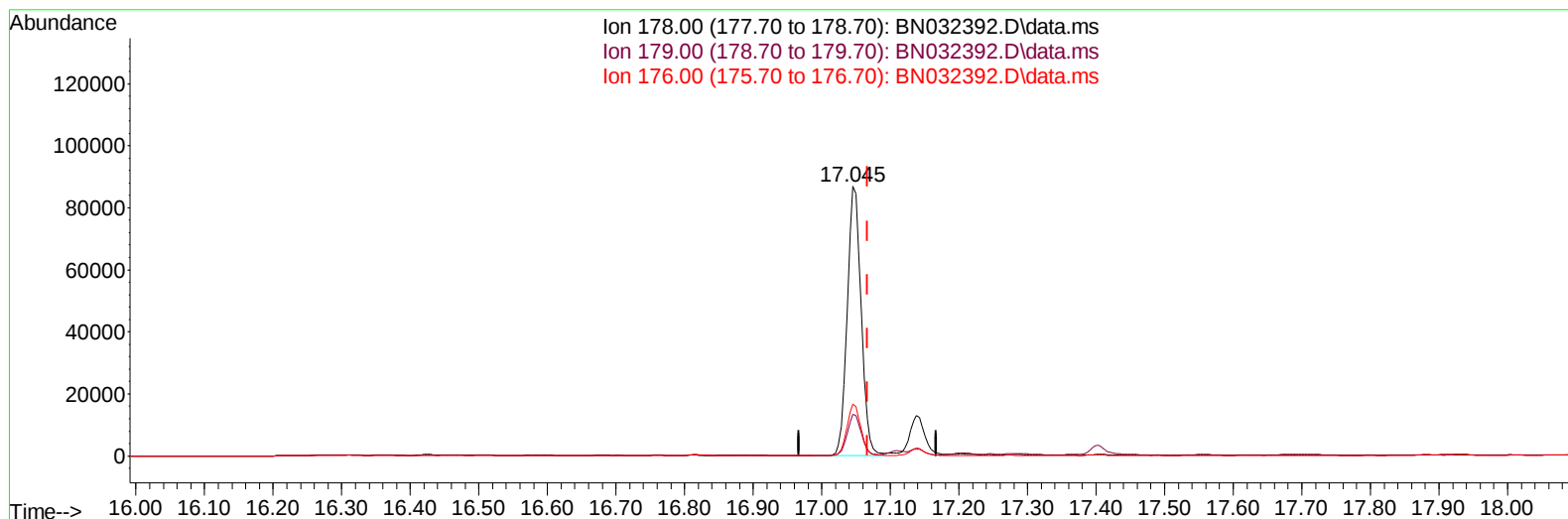
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032392.D
 Acq On : 02 Jul 2024 09:58
 Operator : MA/JU
 Sample : P2871-09
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 27 13:23:38 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(15) Phenanthrene

17.045min (-0.021) 1.62 ng/ul m

response 122780

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.39
176.00	19.50	19.30
0.00	0.00	0.00

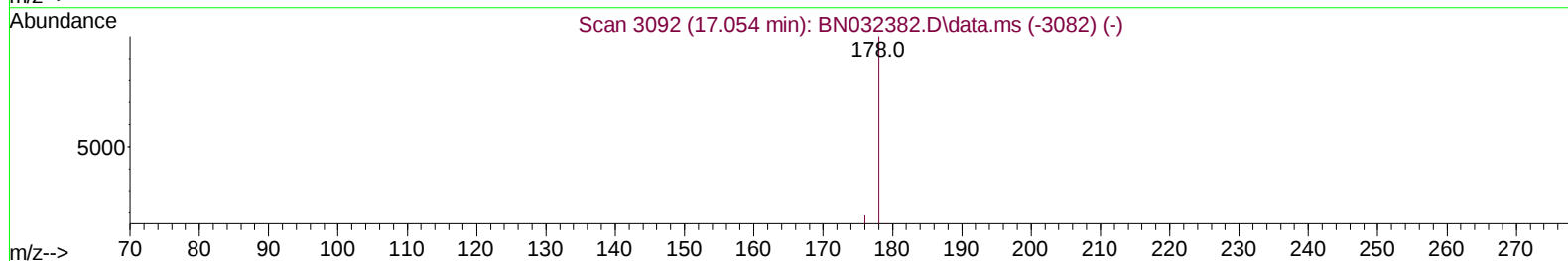
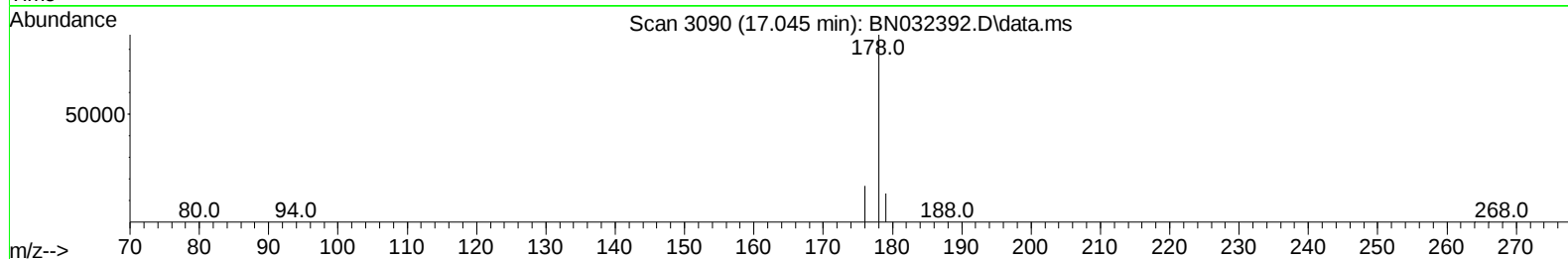
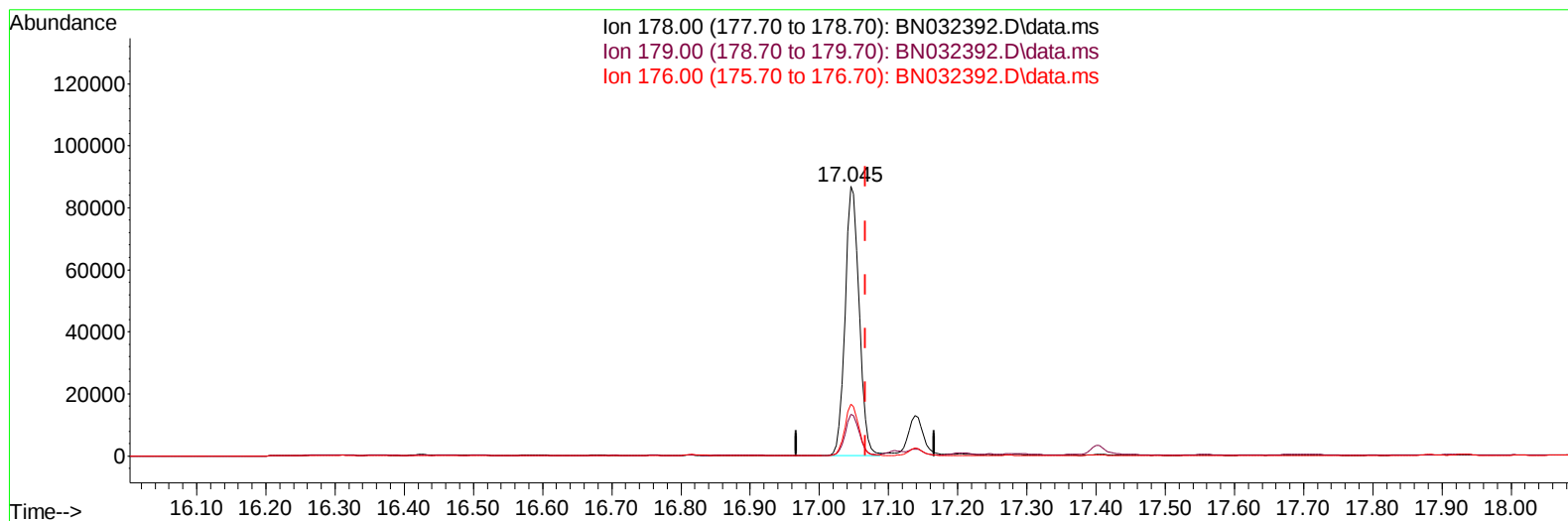
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(15) Phenanthrene

17.045min (-0.021) 1.61 ng/ul m

response 122401

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.39
176.00	19.50	19.30
0.00	0.00	0.00

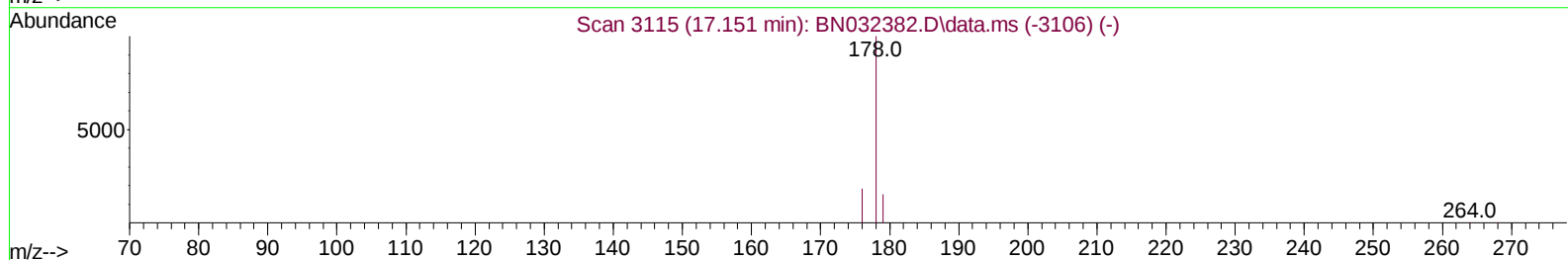
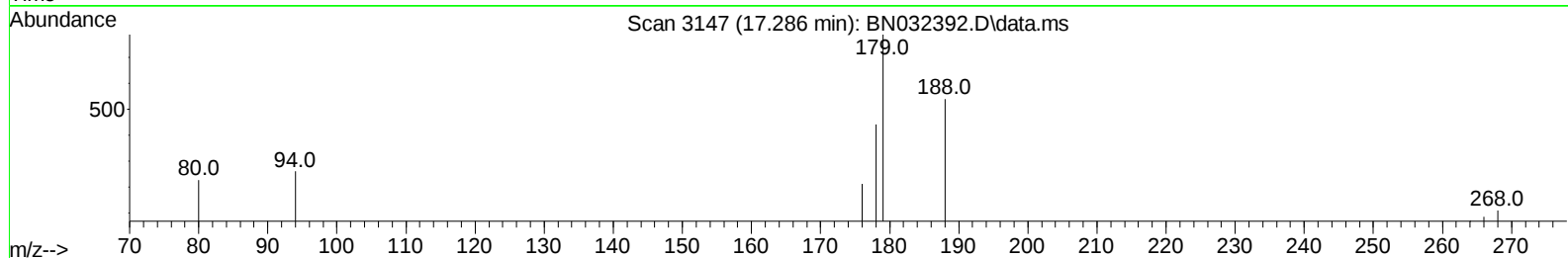
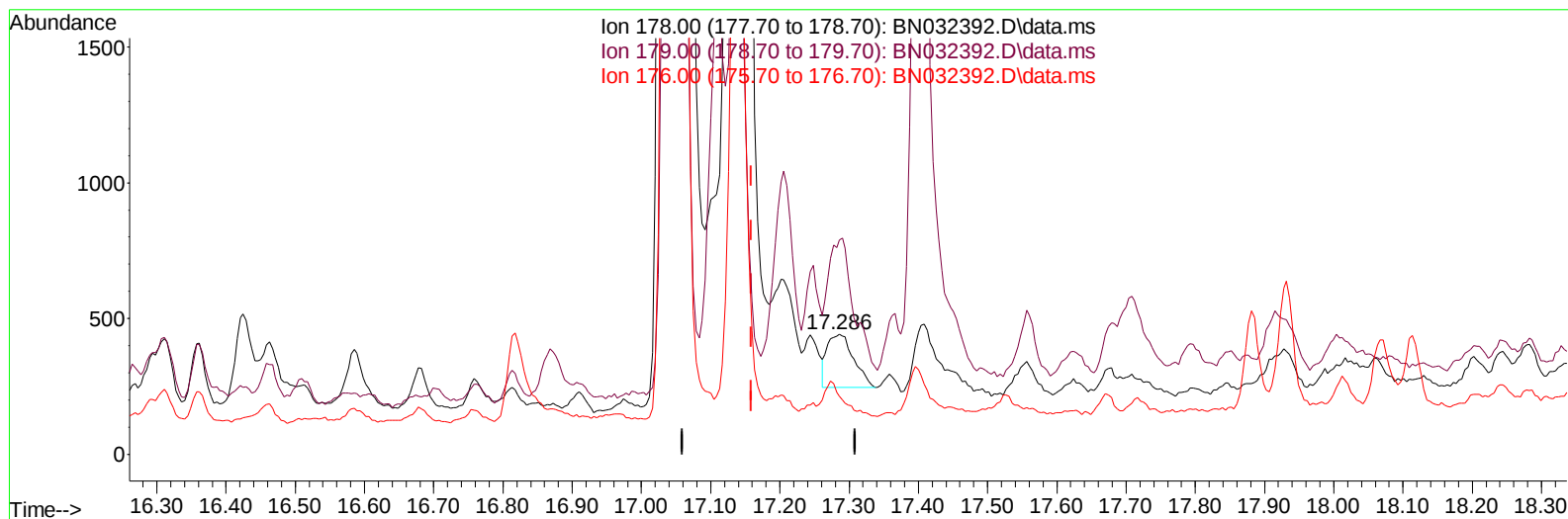
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(16) Anthracene

17.286min (+ 0.126) 0.01 ng/u1

response 524

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	178.10#
176.00	18.80	48.08#
0.00	0.00	0.00

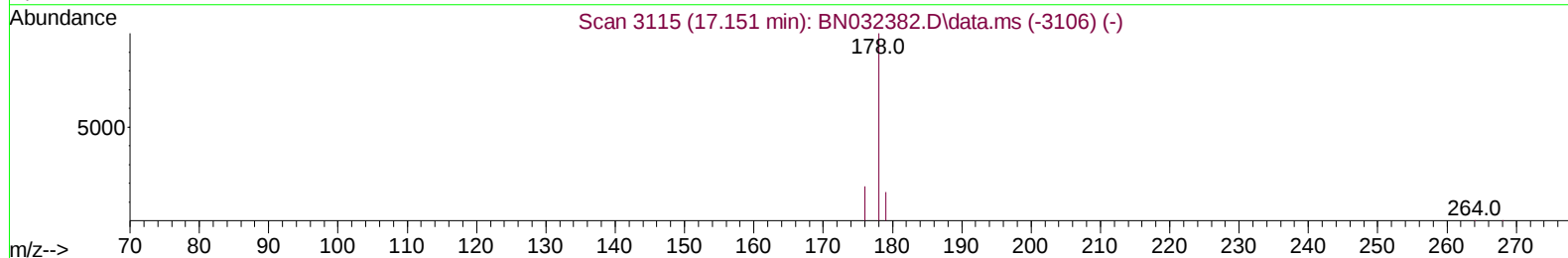
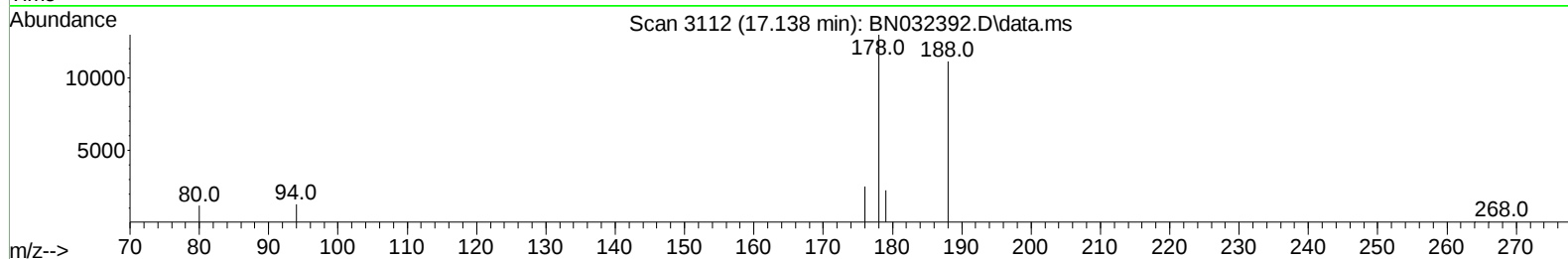
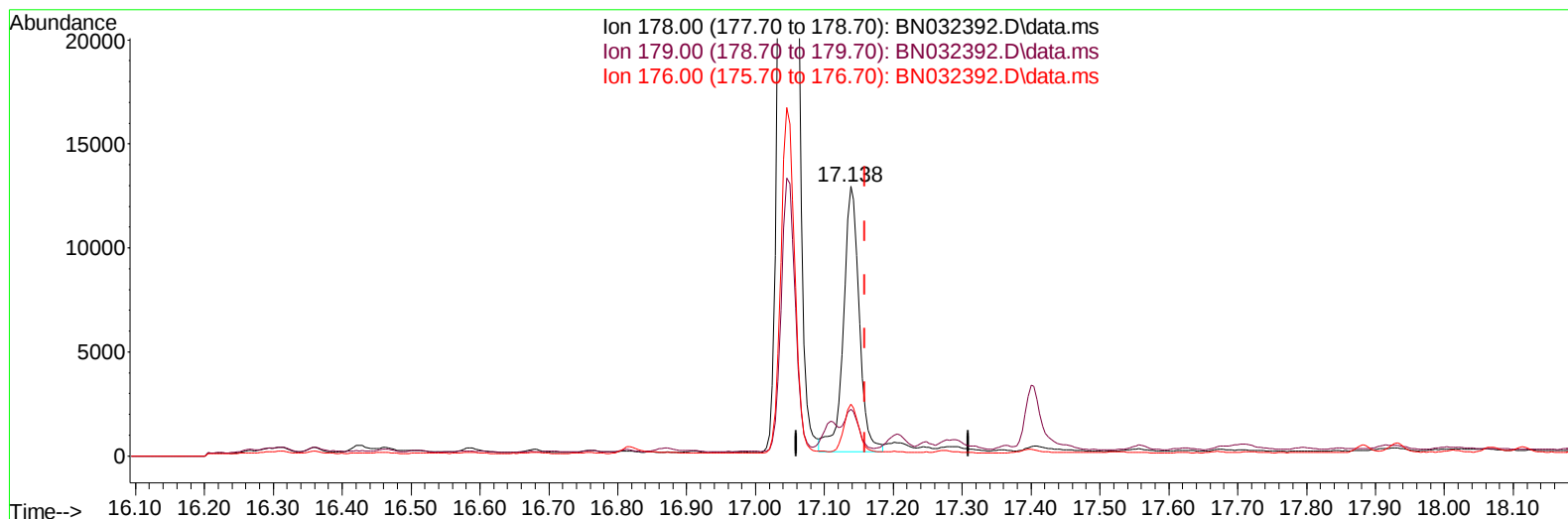
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(16) Anthracene

17.138min (-0.021) 0.30 ng/ul m

response 20331

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	17.34
176.00	18.80	19.33
0.00	0.00	0.00

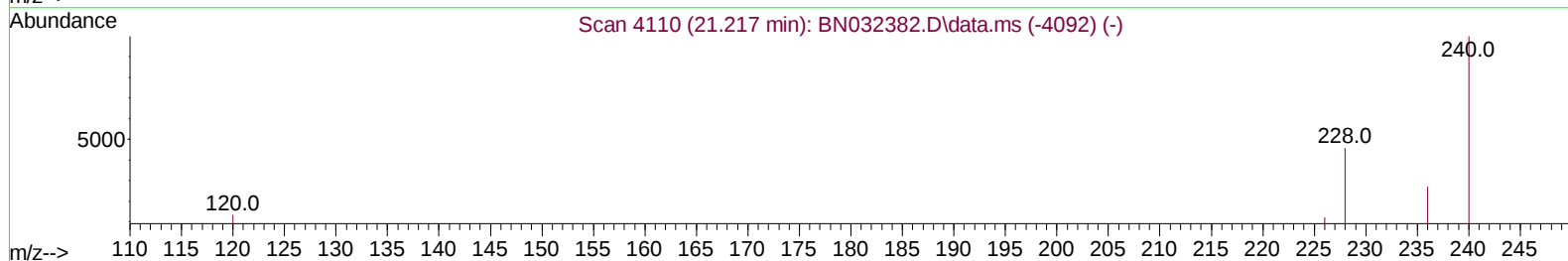
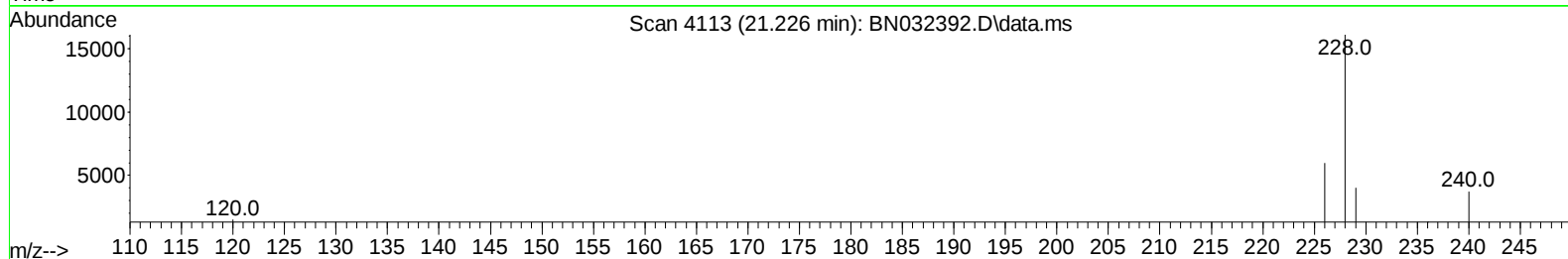
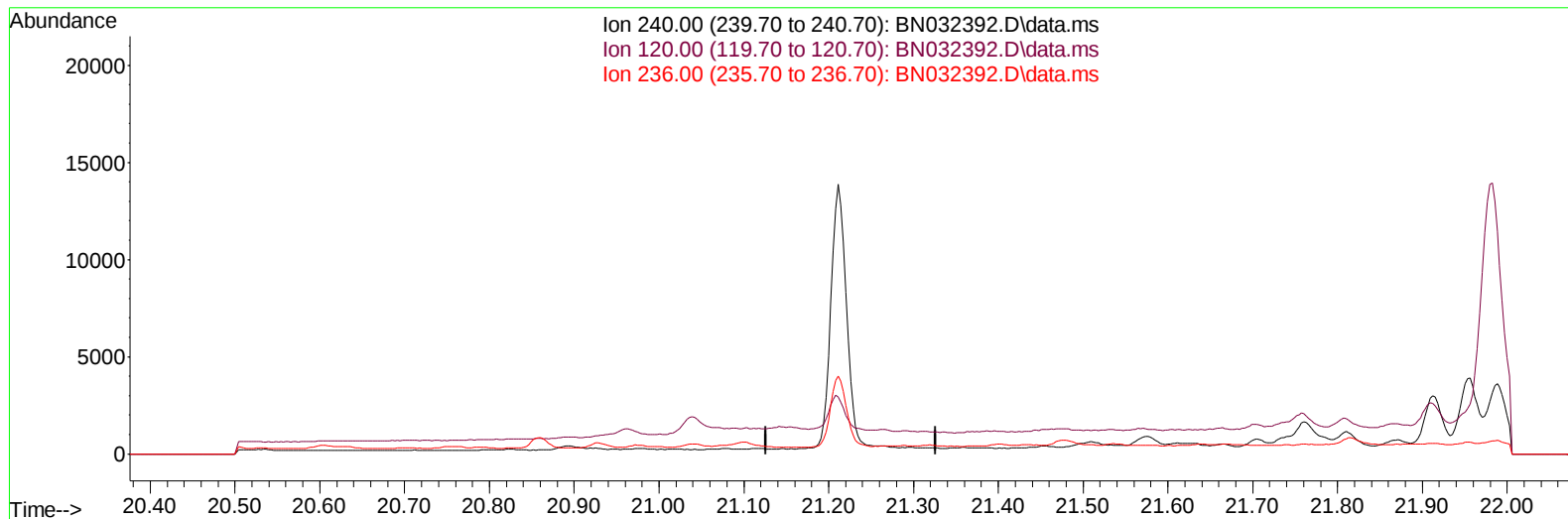
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration



TIC: BN032392.D\data.ms

(17) Chrysene-d12

21.226min (-21.226) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.80	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

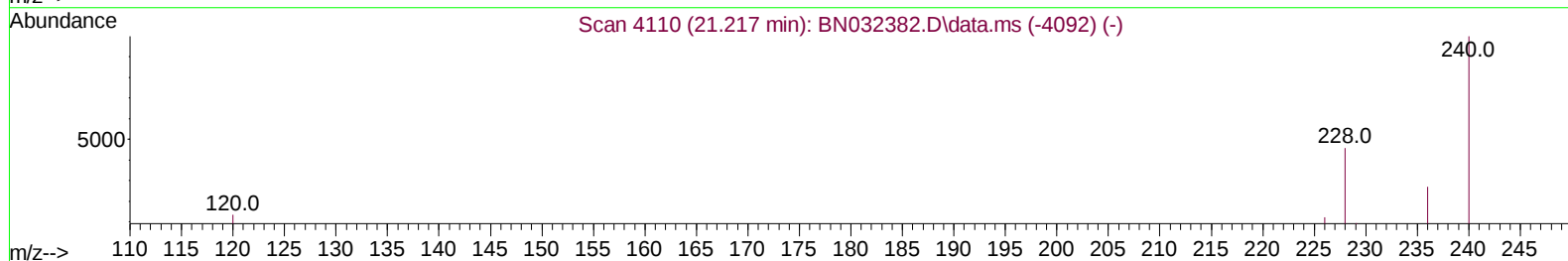
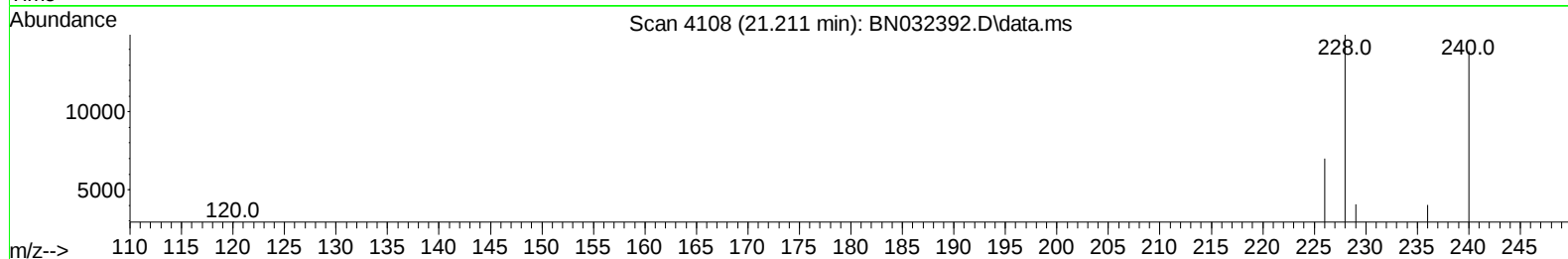
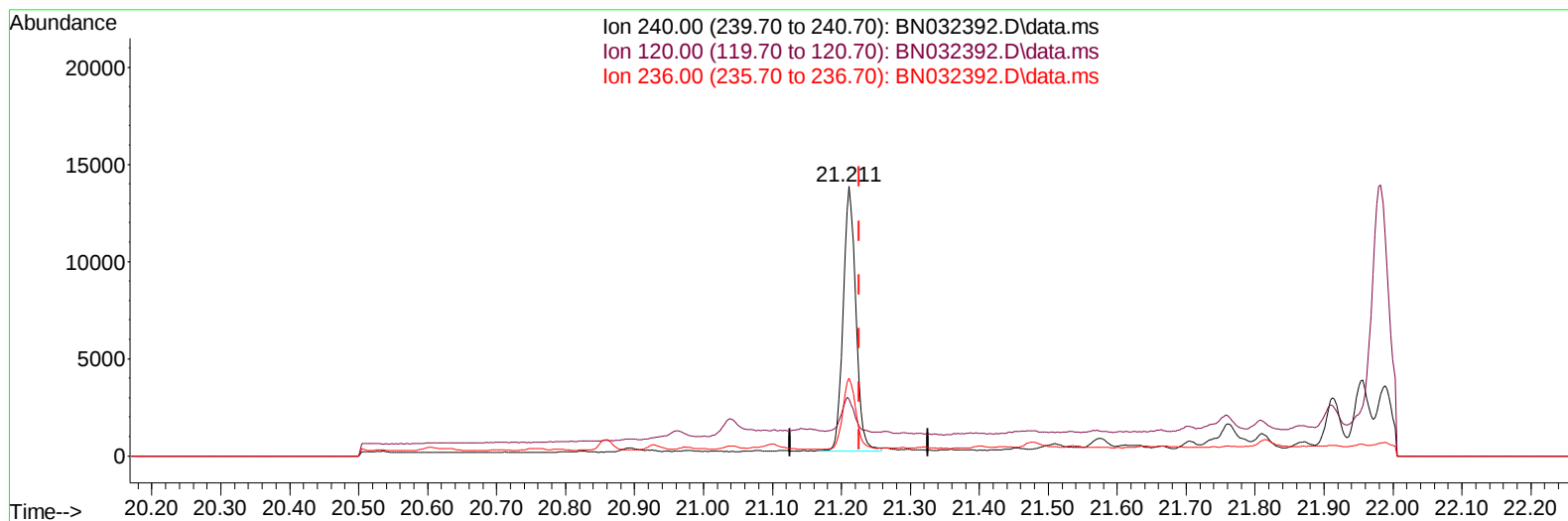
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Response via : Initial Calibration



TIC: BN032392.D\data.ms

(17) Chrysene-d12

21.211min (-0.015) 0.40 ng/ul m

response 17545

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	21.13#
236.00	28.40	28.94
0.00	0.00	0.00

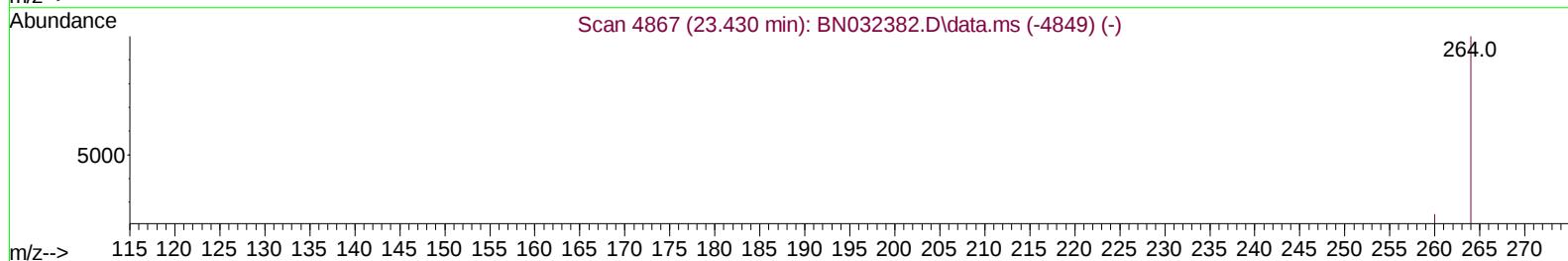
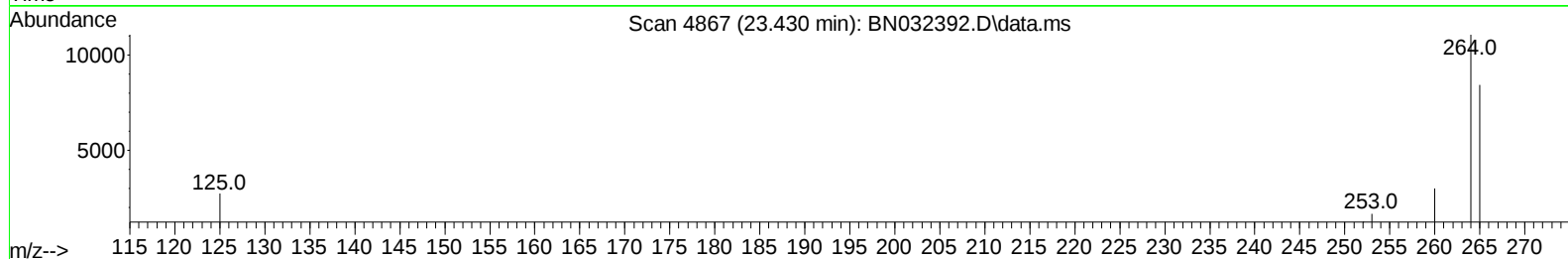
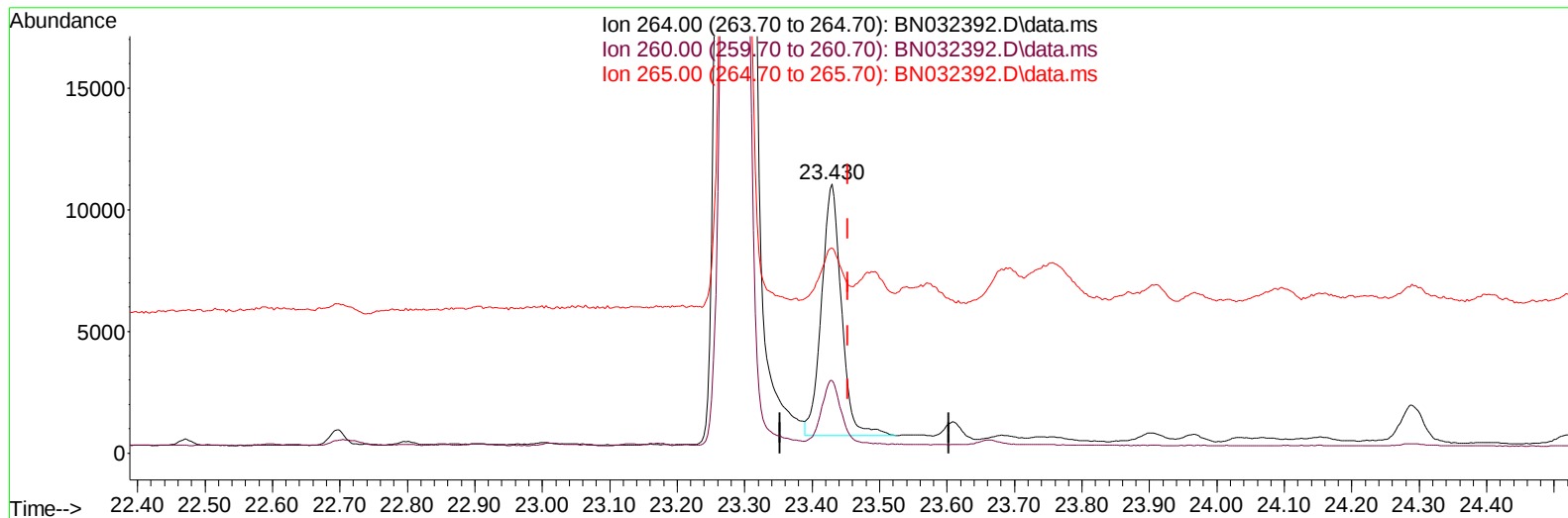
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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QLast Update : Thu Jun 27 13:23:38 2024
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Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.024) 0.40 ng/u1

response 21290

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.00
265.00	67.20	76.31
0.00	0.00	0.00

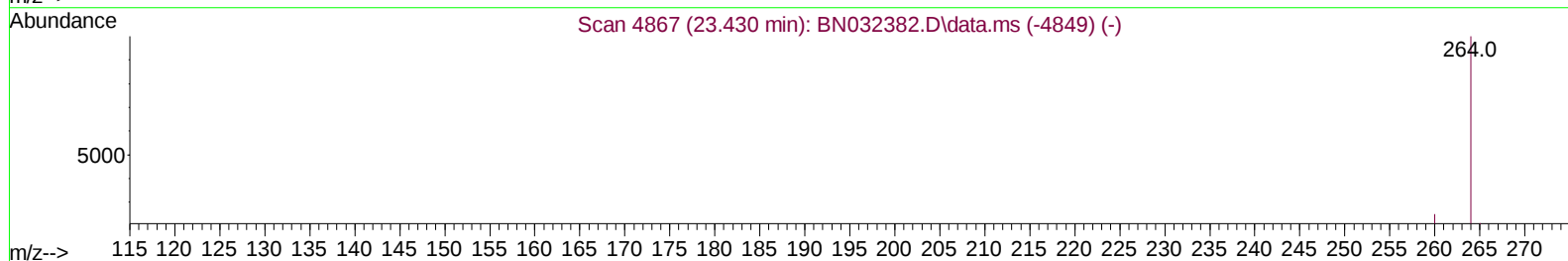
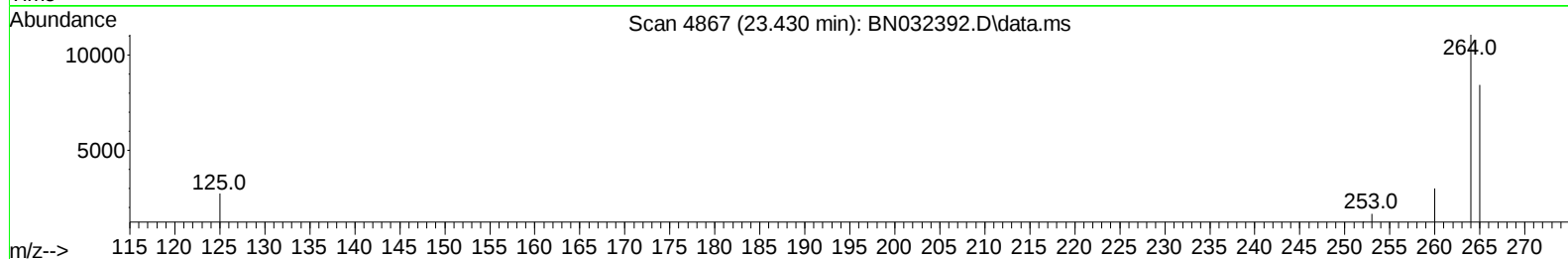
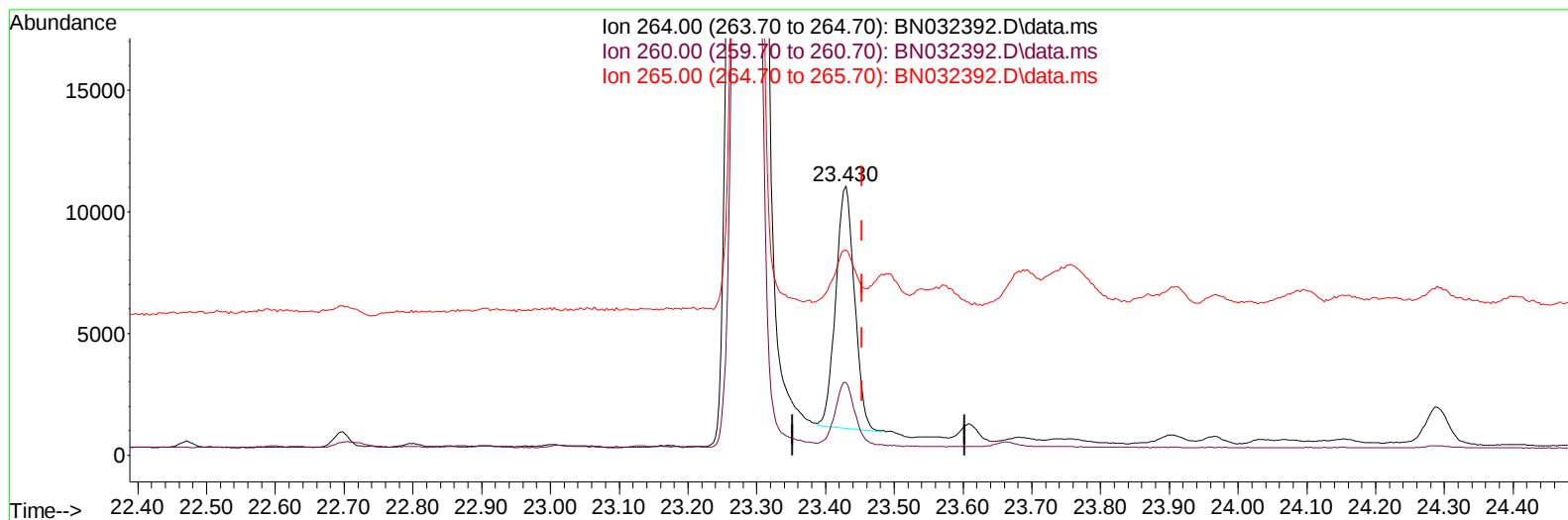
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(23) Perylene-d12 (I)

23.430min (-0.024) 0.40 ng/ul m

response 18802

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	27.00
265.00	67.20	76.31
0.00	0.00	0.00

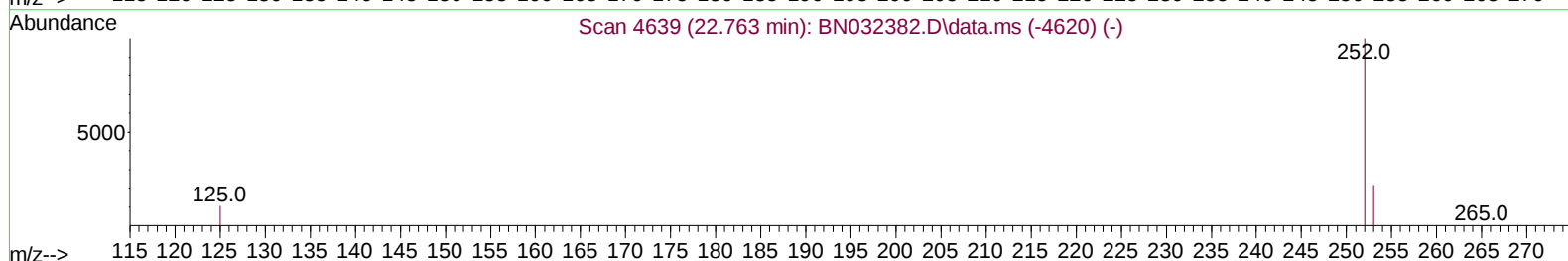
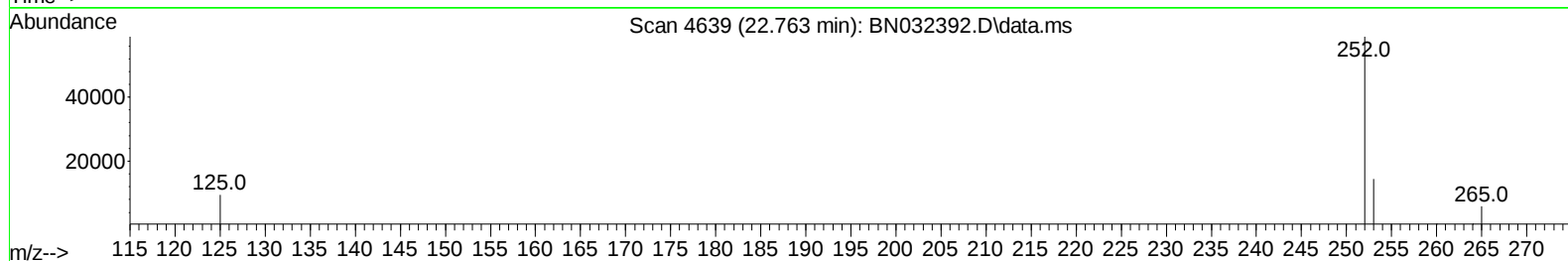
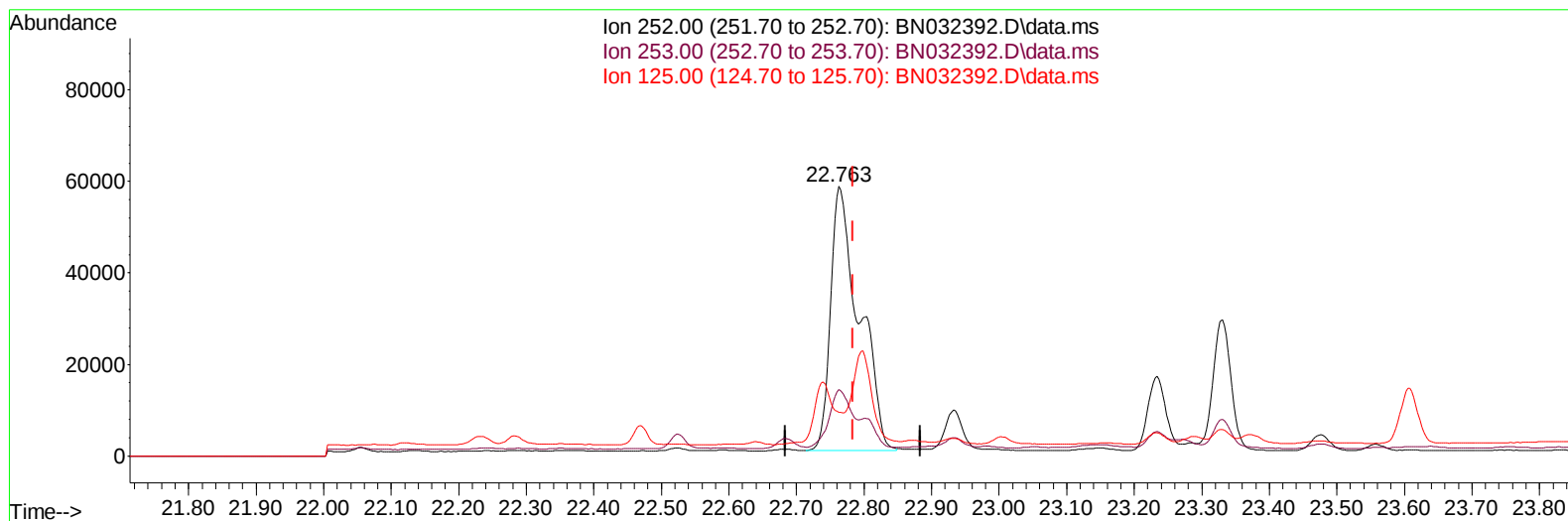
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.021) 2.07 ng/u1

response 169465

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	24.58
125.00	16.00	16.09
0.00	0.00	0.00

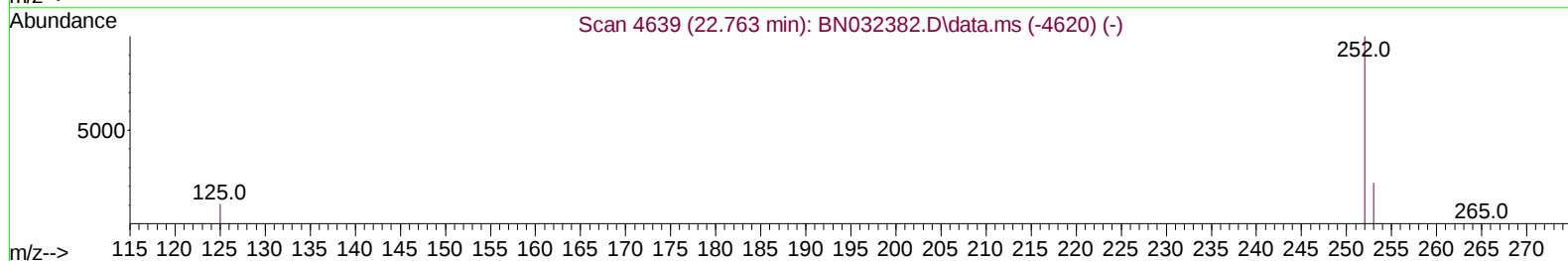
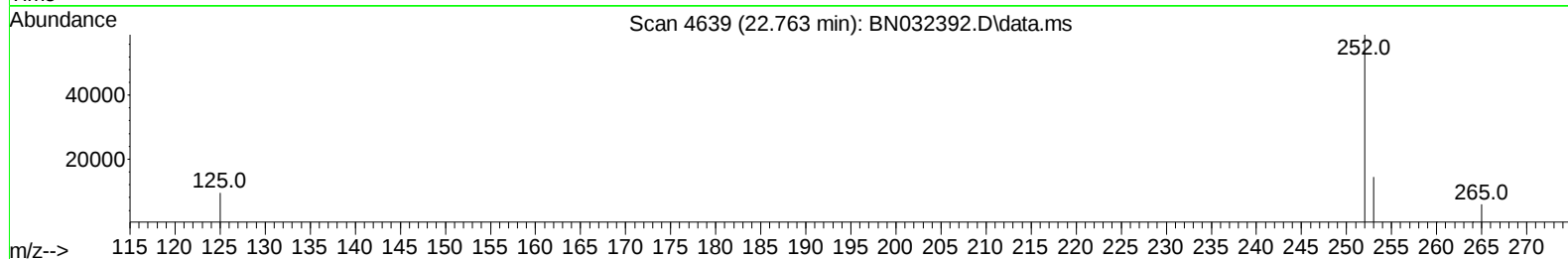
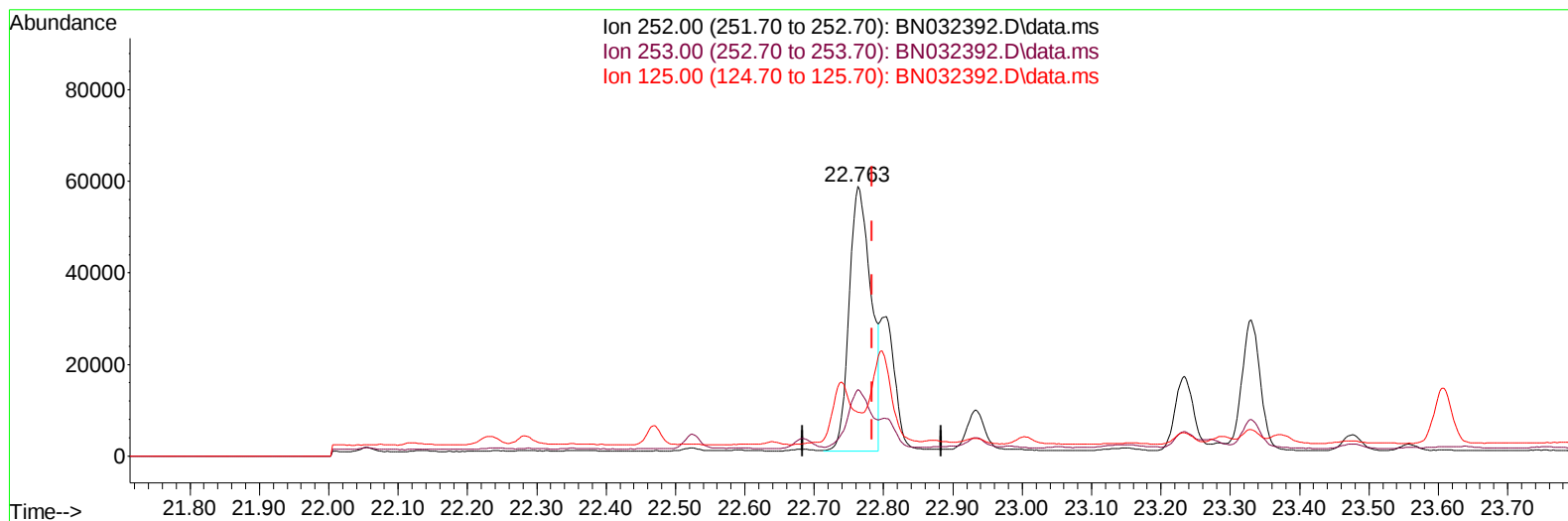
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration



TIC: BN032392.D\data.ms

(24) Benzo(b)fluoranthene

22.763min (-0.021) 1.55 ng/u1 m

response 126744

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	24.58
125.00	16.00	16.09
0.00	0.00	0.00

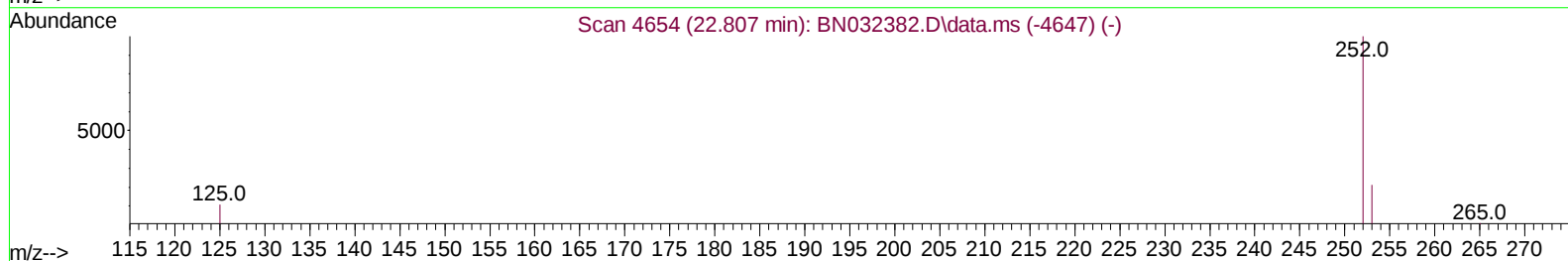
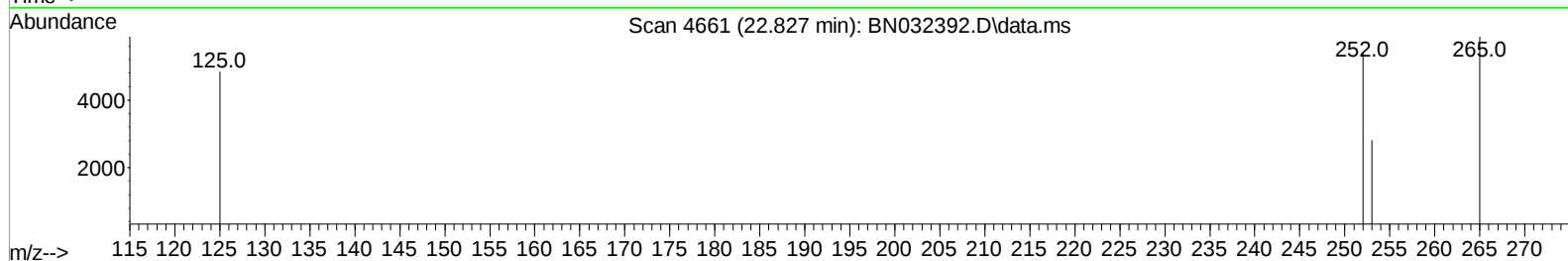
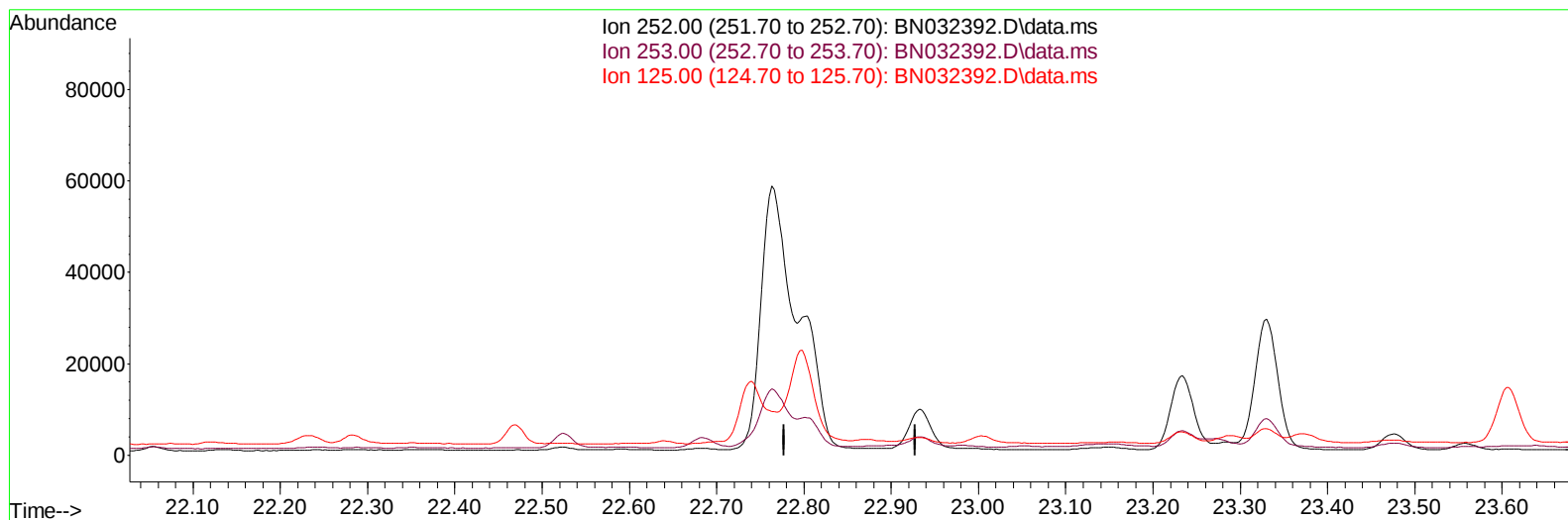
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4C58

Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 27 13:23:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/04/2024



TIC: BN032392.D\data.ms

(25) Benzo(k)fluoranthene

22.828min (-22.828) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

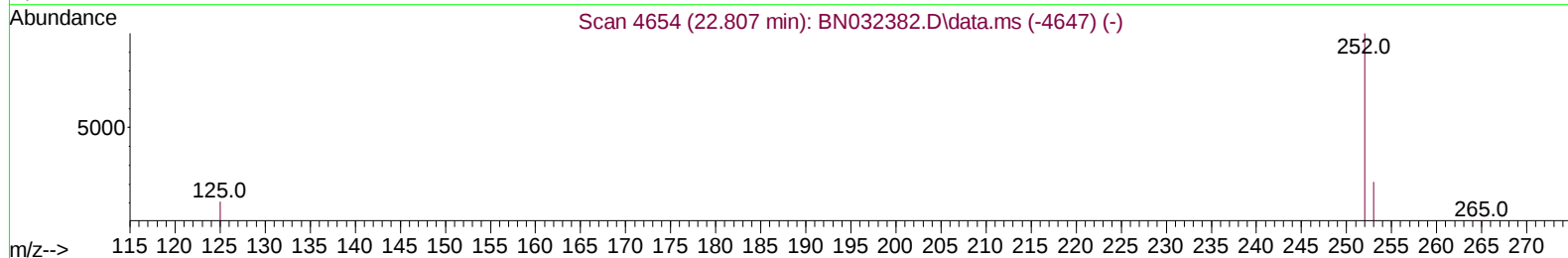
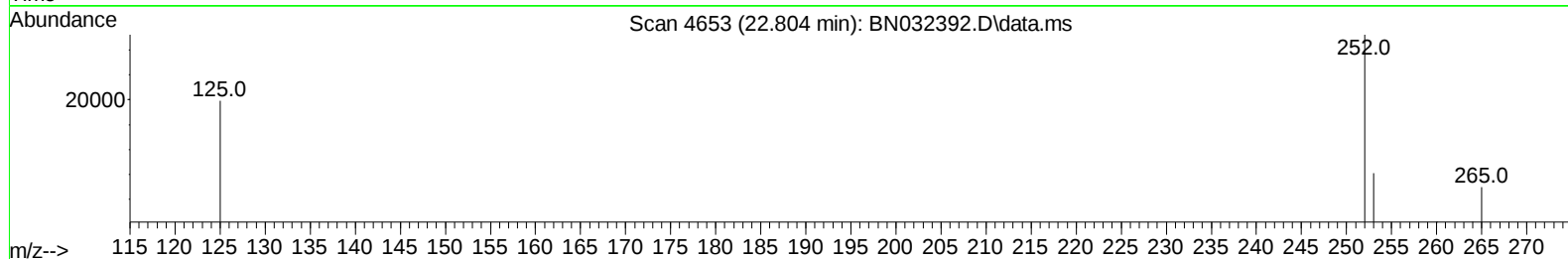
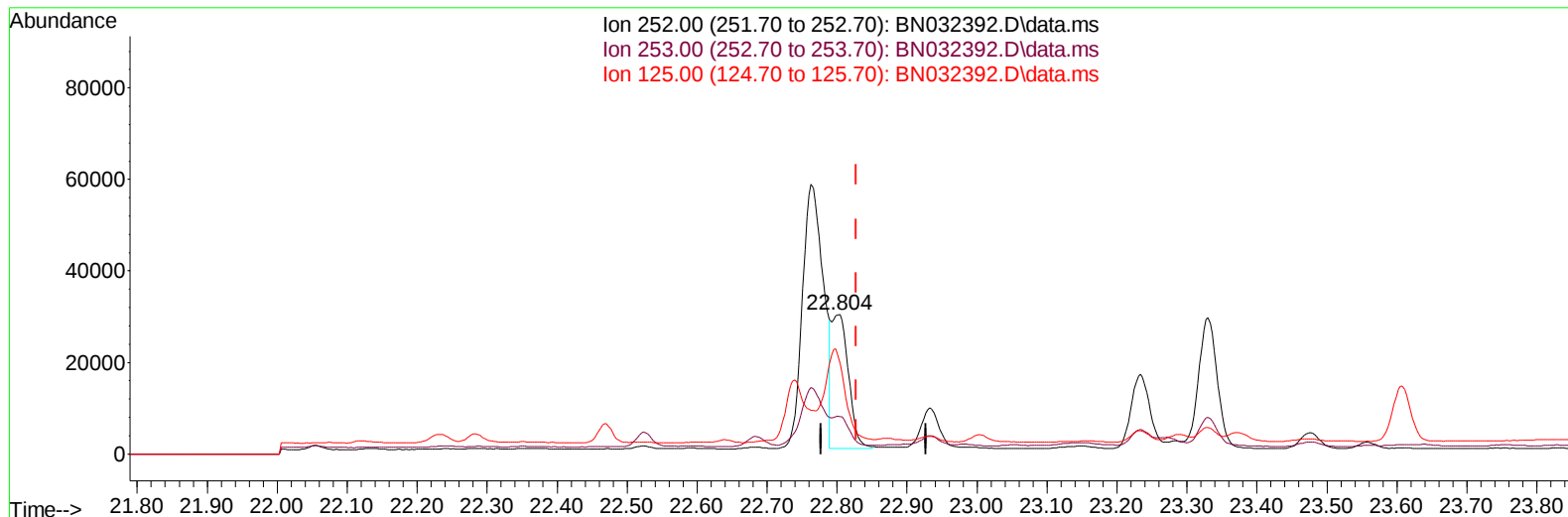
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
Data File : BN032392.D
Acq On : 02 Jul 2024 09:58
Operator : MA/JU
Sample : P2871-09
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Jul 02 12:50:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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TIC: BN032392.D\data.ms

(25) Benzo(k)fluoranthene

22.804min (-0.024) 0.62 ng/u1 m

response 48831

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	26.93
125.00	16.00	65.01#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070124\
 Data File : BN032392.D
 Acq On : 02 Jul 2024 09:58
 Operator : MA/JU
 Sample : P2871-09
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4C58

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 12:50:47 2024
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 QLast Update : Thu Jun 27 13:23:38 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	7830	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.382	136	25249	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.253	164	14935	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.007	188	27686m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.211	240	17545m	0.400	ng/ul	-0.01
23) Perylene-d12	23.430	264	18802m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.147	96	29030	3.336	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.976	152	9583	0.253	ng/ul	-0.02
18) Fluoranthene-d10	19.045	212	16040	0.304	ng/ul	-0.01
Target Compounds						
					Qvalue	
5) Naphthalene	10.431	128	5295	0.079	ng/ul#	95
7) 2-Methylnaphthalene	12.053	142	2426	0.055	ng/ul	100
8) 1-Methylnaphthalene	12.273	142	1912	0.042	ng/ul	97
10) Acenaphthylene	13.971	152	8220	0.132	ng/ul	95
11) Acenaphthene	14.313	153	5137	0.107	ng/ul	97
12) Fluorene	15.308	166	5215	0.091	ng/ul#	98
15) Phenanthrene	17.045	178	122401m	1.613	ng/ul	
16) Anthracene	17.138	178	20331m	0.300	ng/ul	
19) Fluoranthene	19.073	202	211843	3.171	ng/ul	97
20) Pyrene	19.440	202	163967	2.348	ng/ul	98
21) Benzo(a)anthracene	21.194	228	83802	1.323	ng/ul	98
22) Chrysene	21.249	228	95935	1.380	ng/ul	97
24) Benzo(b)fluoranthene	22.763	252	126744m	1.552	ng/ul	
25) Benzo(k)fluoranthene	22.804	252	48831m	0.615	ng/ul	
26) Benzo(a)pyrene	23.330	252	53122	0.935	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.663	276	51299	0.576	ng/ul#	87
28) Dibenzo(a,h)anthracene	25.663	278	16229	0.245	ng/ul#	40
29) Benzo(g,h,i)perylene	26.347	276	9621	0.136	ng/ul#	67

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

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