

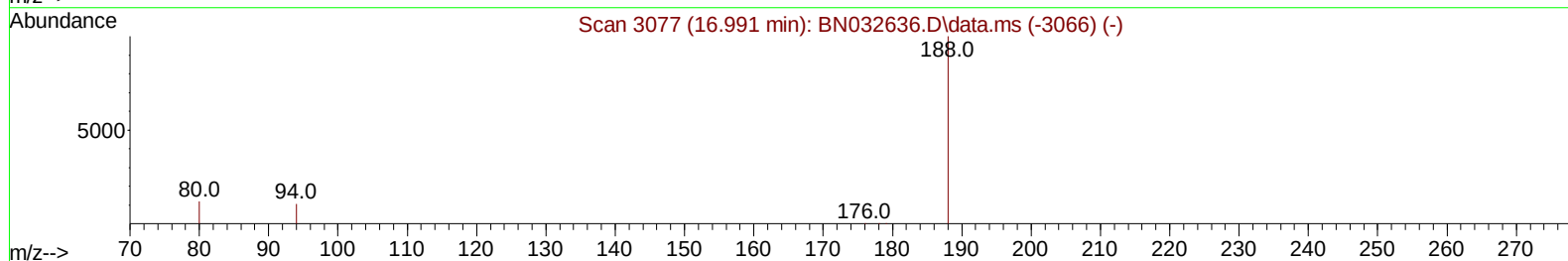
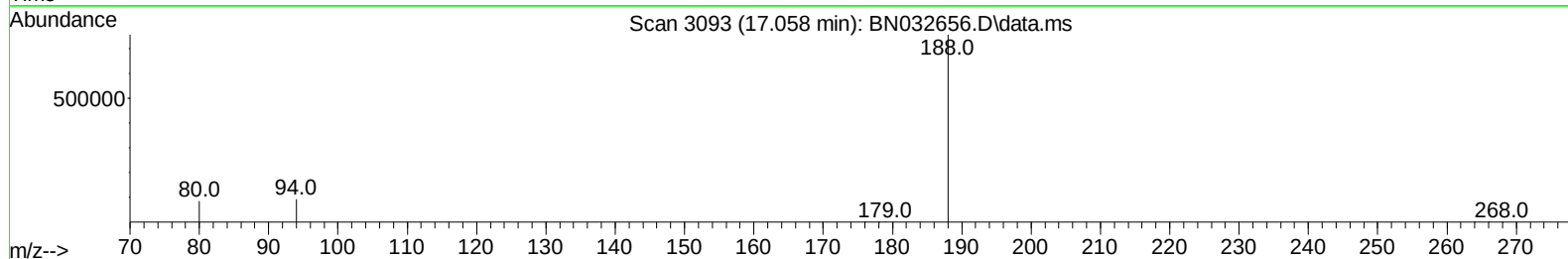
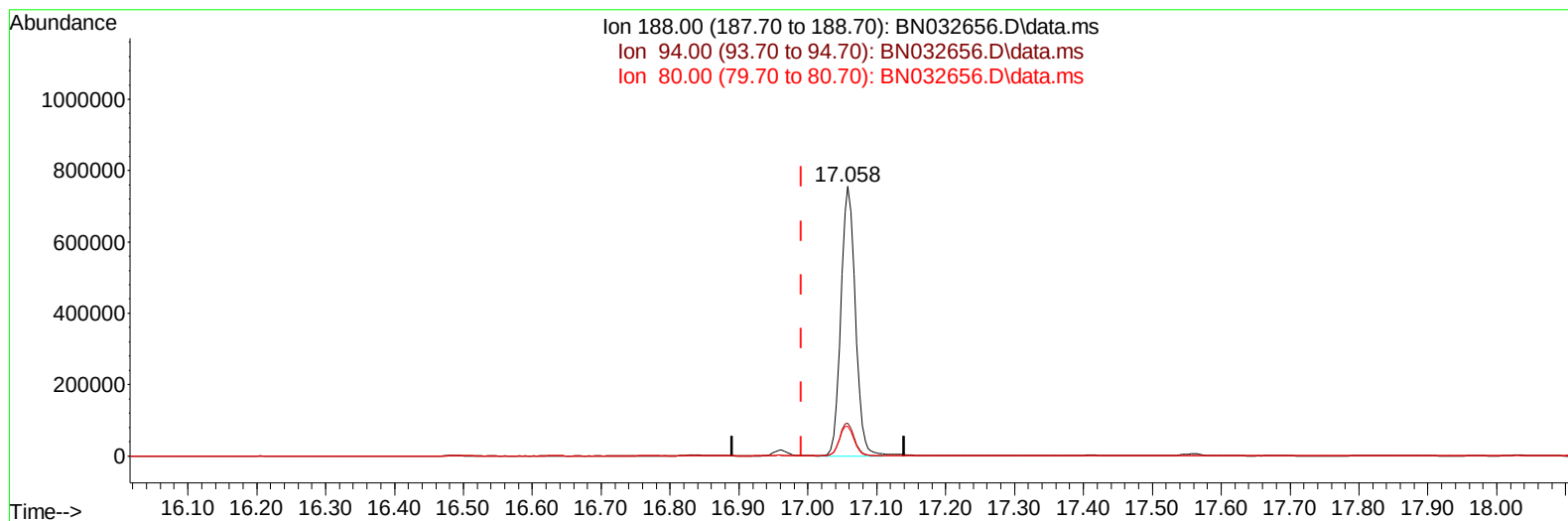
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032656.D\data.ms

(13) Phenanthrene-d10 (I)

17.058min (+ 0.068) 0.40 ng/u1

response 1098970

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.28
80.00	12.00	11.05
0.00	0.00	0.00

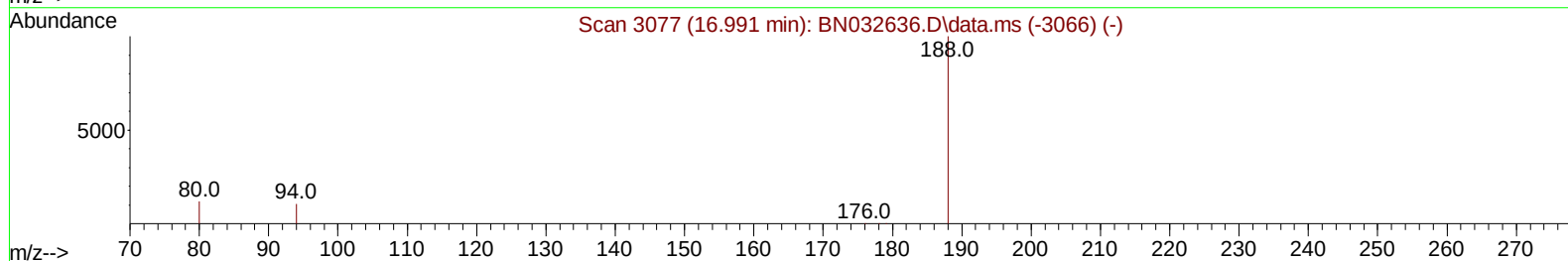
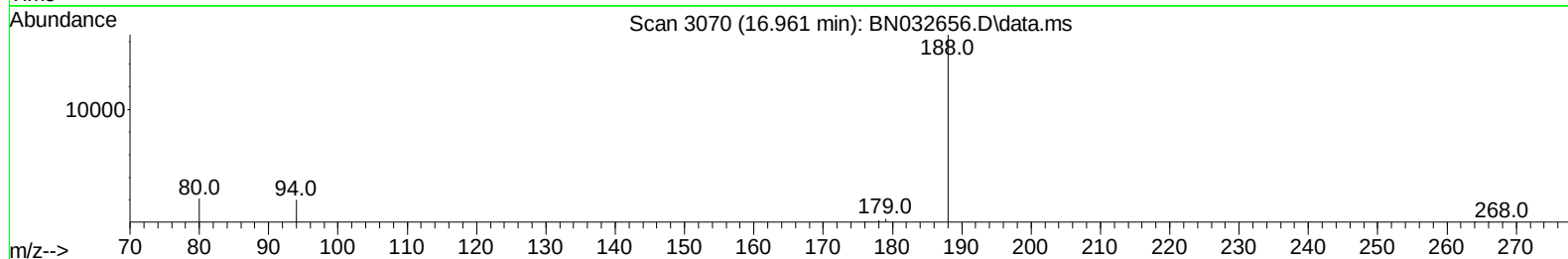
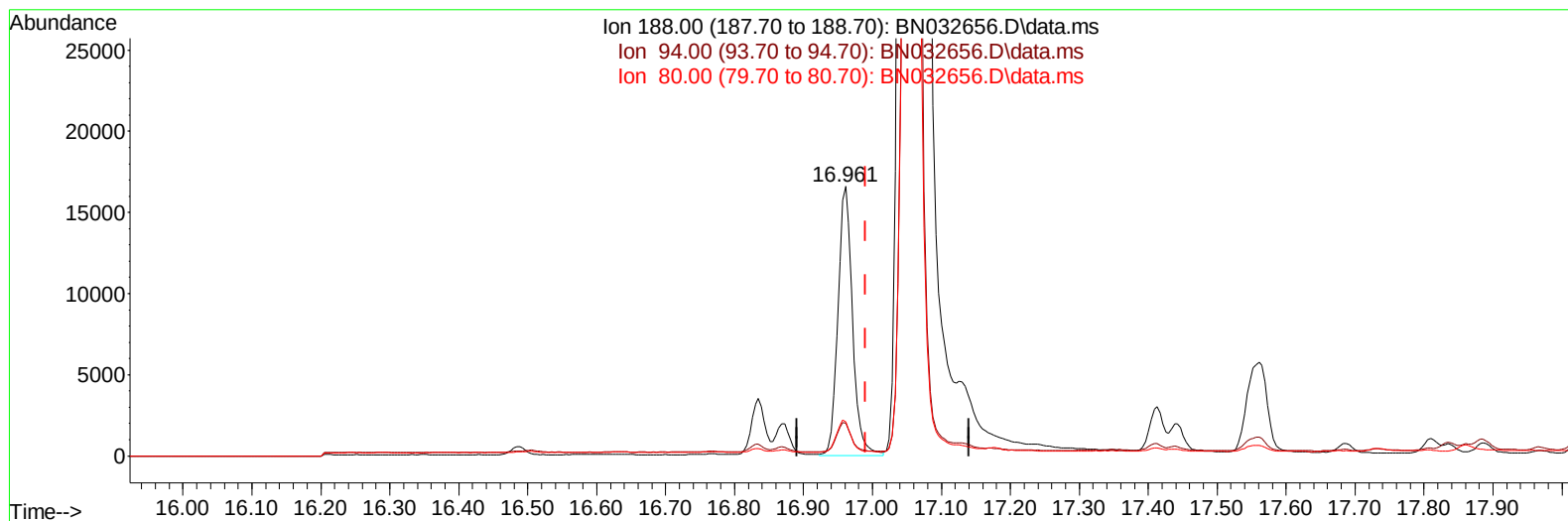
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 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 : Fri Jul 12 01:40:24 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032656.D\data.ms

(13) Phenanthrene-d10 (I)

16.961min (-0.030) 0.40 ng/ul m

response 24407

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	11.00	12.10
80.00	12.00	12.73
0.00	0.00	0.00

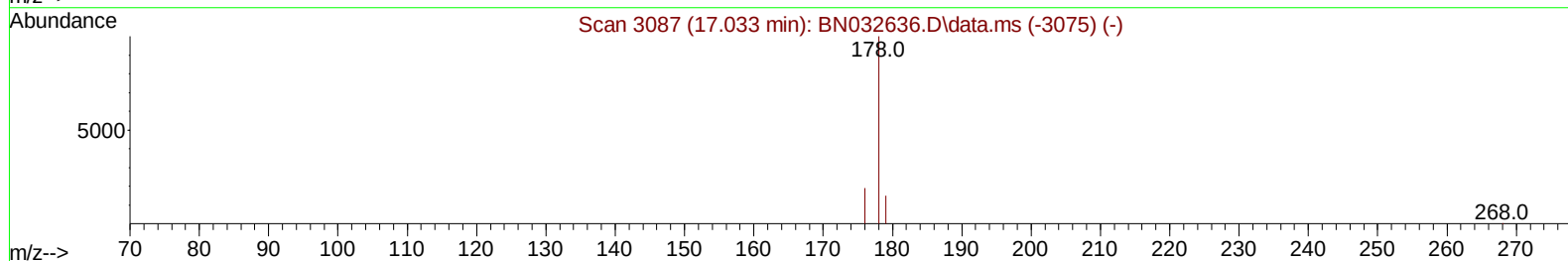
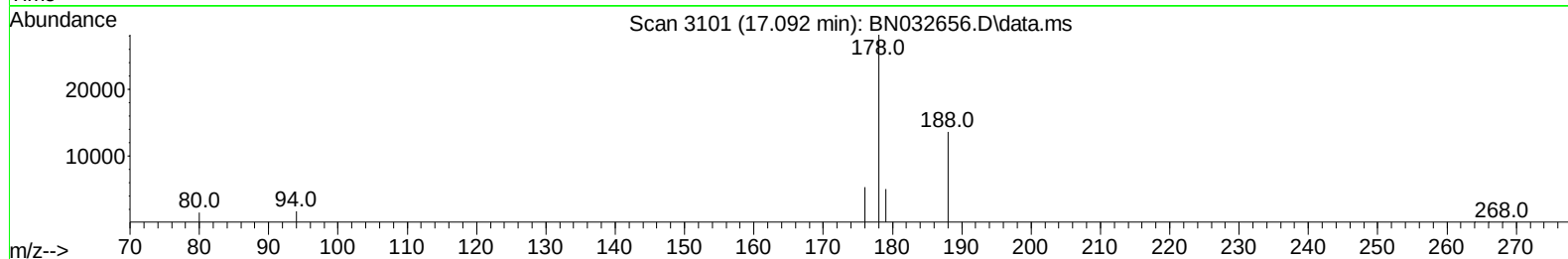
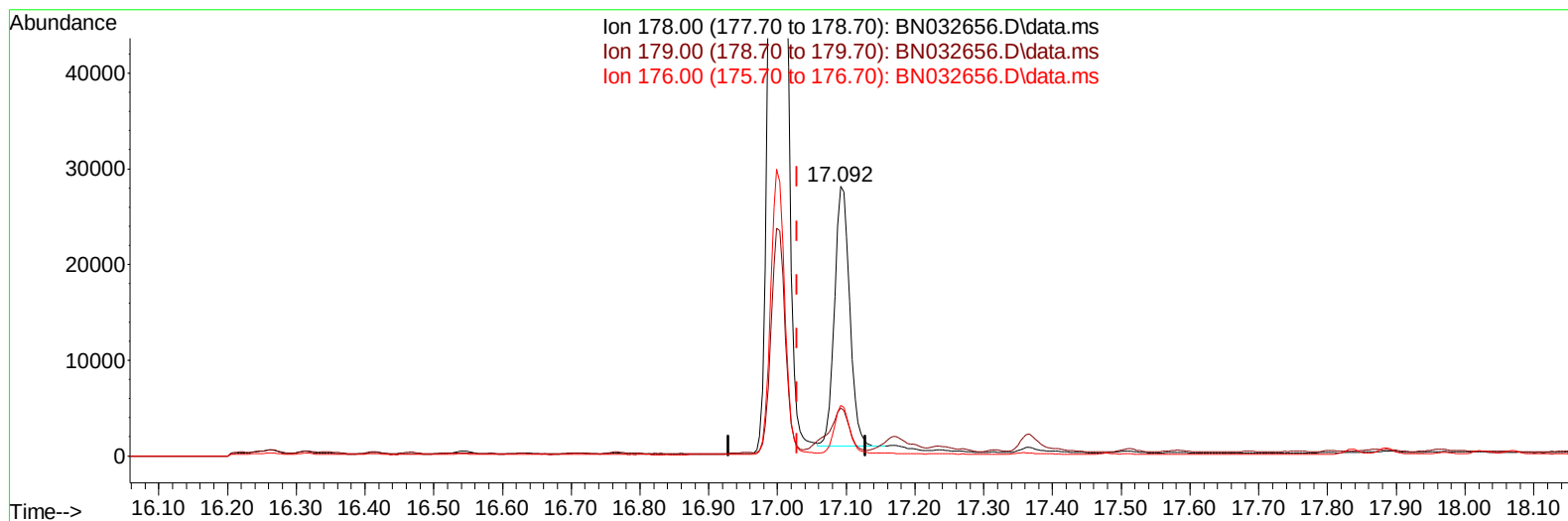
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 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 : Fri Jul 12 01:40:24 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
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TIC: BN032656.D\data.ms

(15) Phenanthrene

17.092min (+ 0.063) 0.63 ng/ul

response 41569

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	17.86
176.00	19.50	18.86
0.00	0.00	0.00

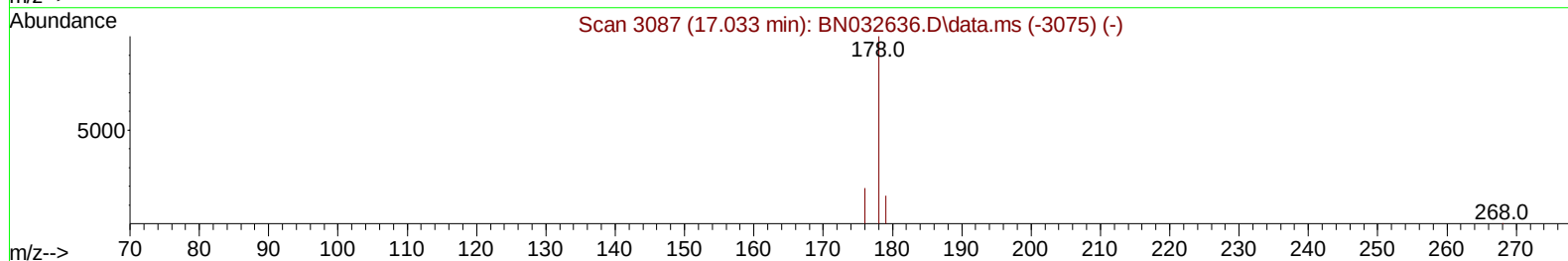
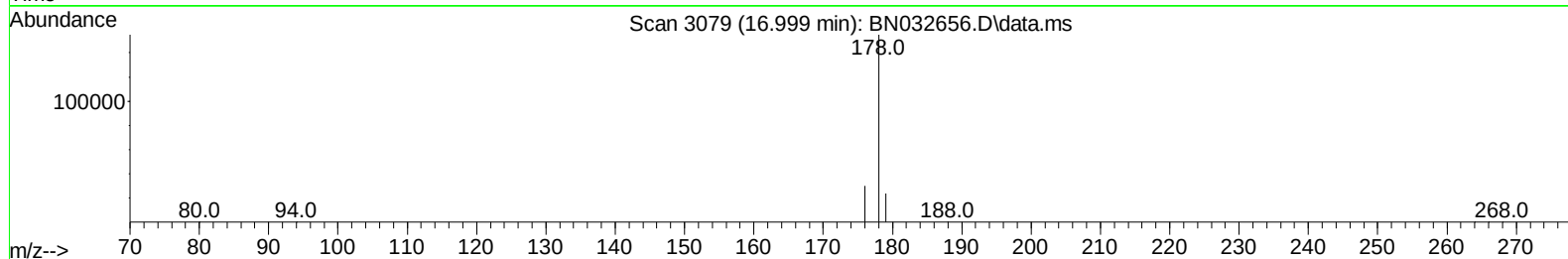
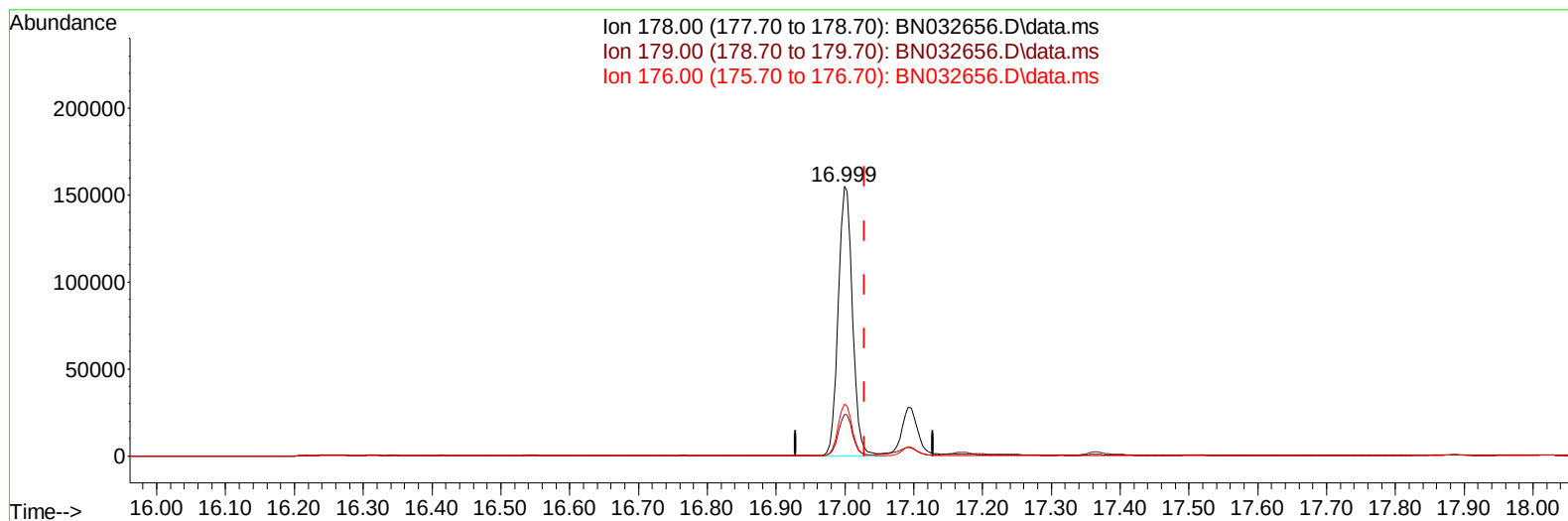
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 2024
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QLast Update : Fri Jul 12 01:40:24 2024
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Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032656.D\data.ms

(15) Phenanthrene

16.999min (-0.030) 3.36 ng/ul m

response 223341

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.20	15.37
176.00	19.50	19.34
0.00	0.00	0.00

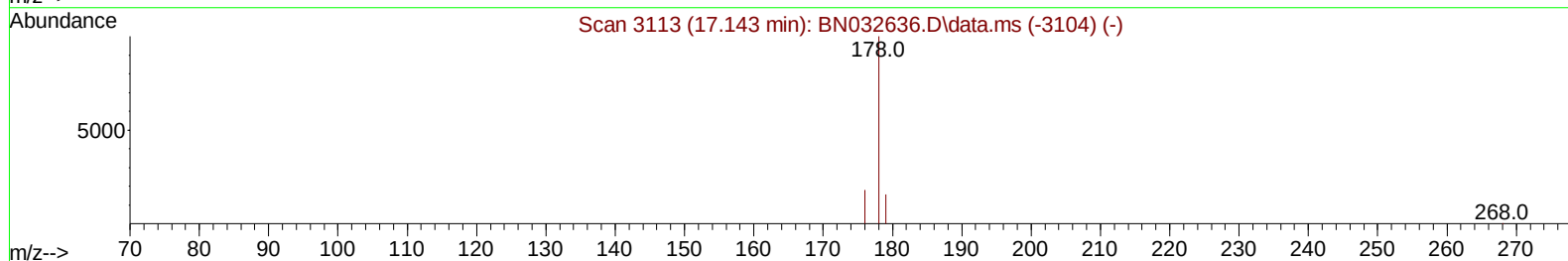
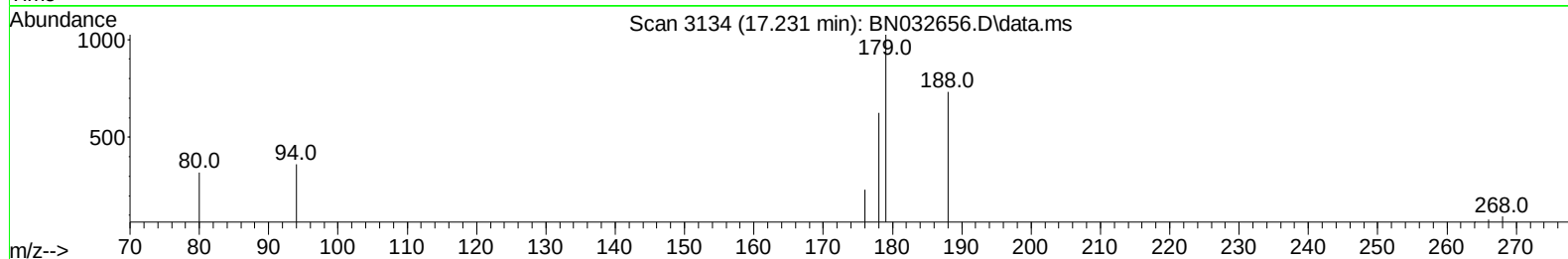
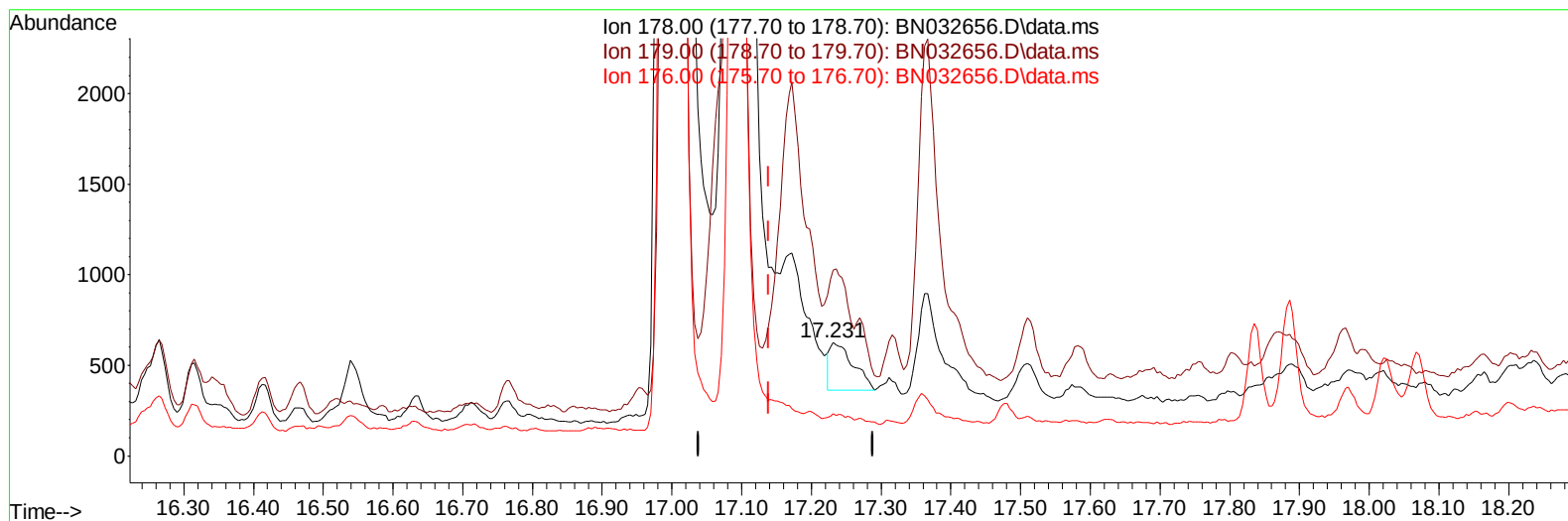
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Fri Jul 12 01:40:24 2024
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TIC: BN032656.D\data.ms

(16) Anthracene

17.231min (+ 0.093) 0.01 ng/u1

response 602

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	163.74#
176.00	19.20	37.06#
0.00	0.00	0.00

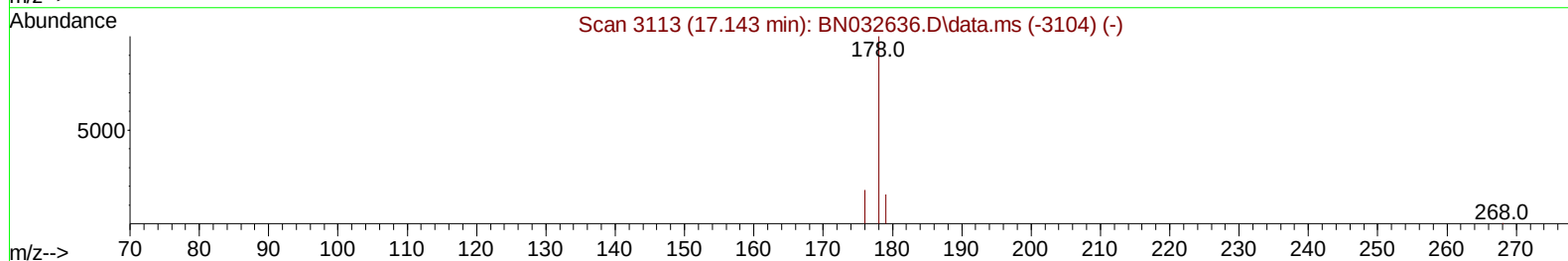
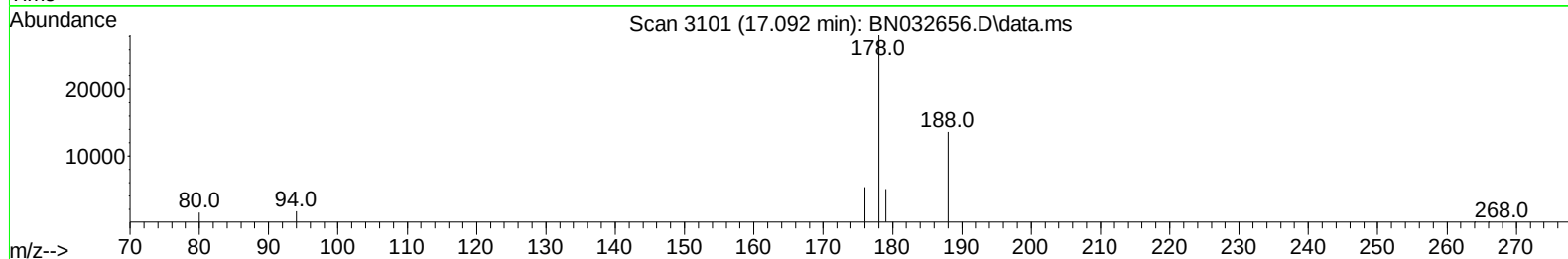
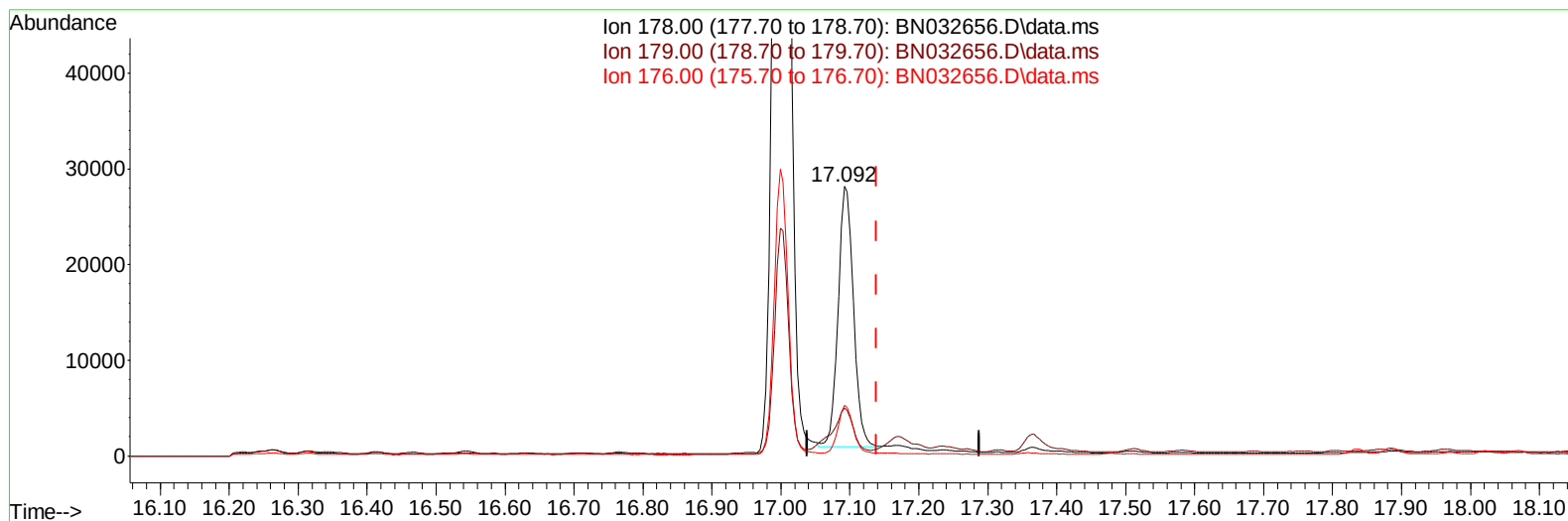
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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QLast Update : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024



TIC: BN032656.D\data.ms

(16) Anthracene

17.092min (-0.046) 0.77 ng/ul m

response 41703

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.80	17.86
176.00	19.20	18.86
0.00	0.00	0.00

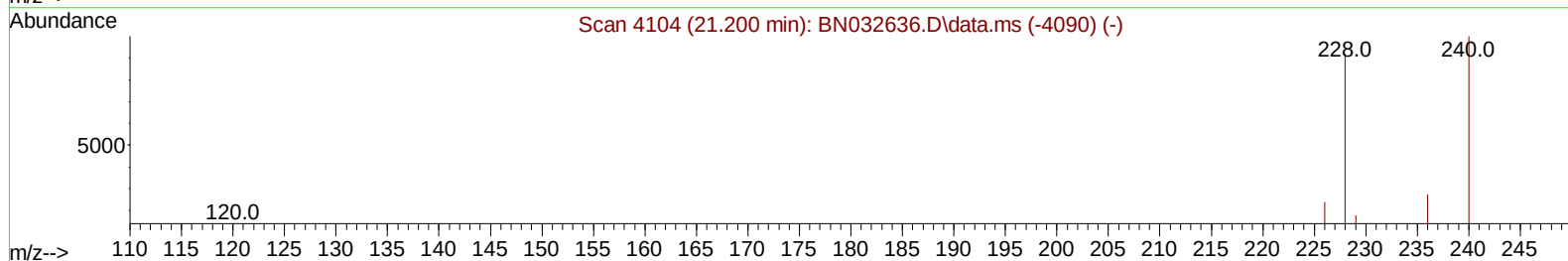
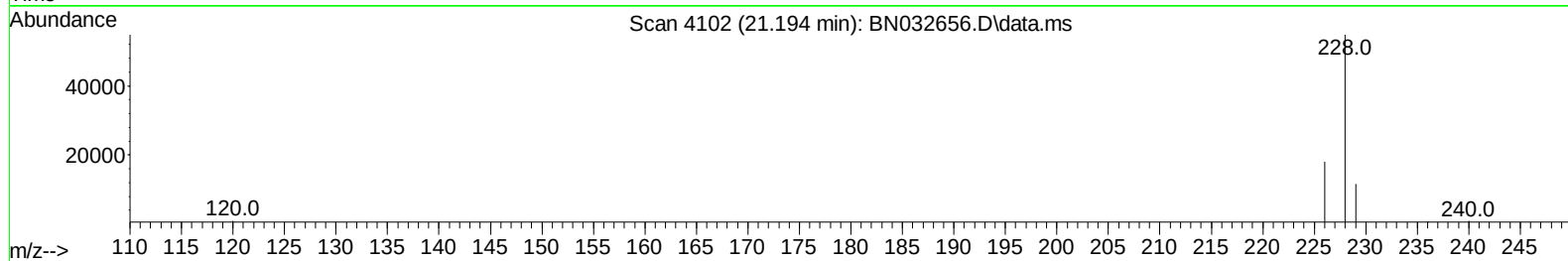
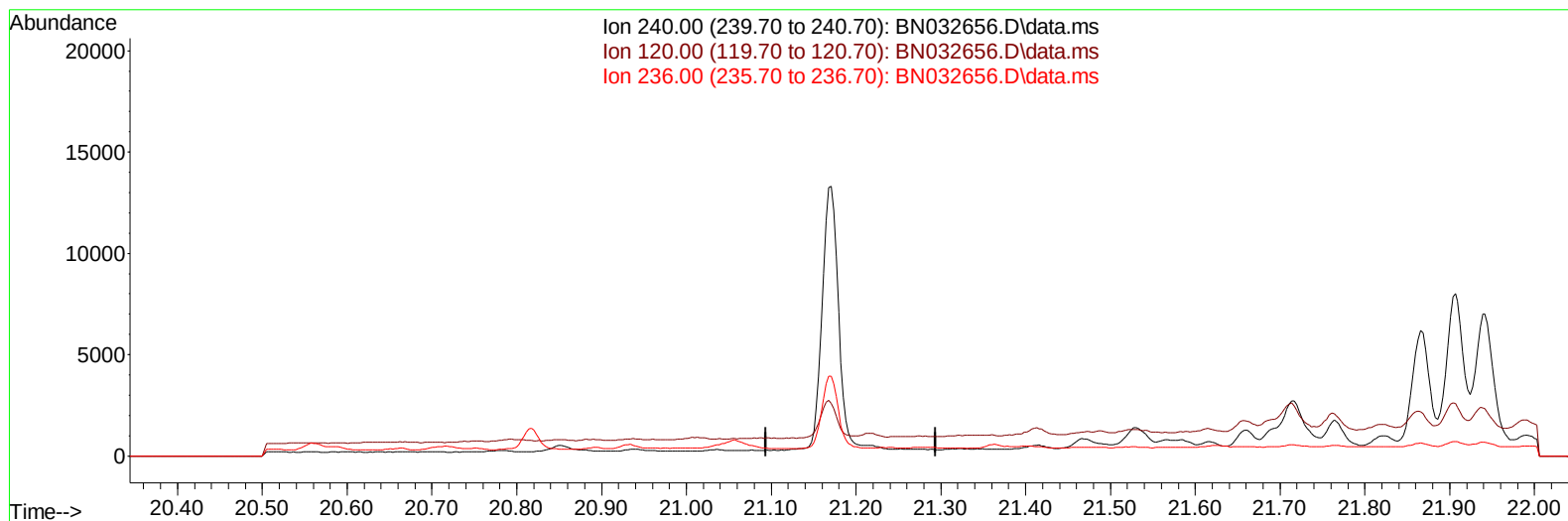
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 2024
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TIC: BN032656.D\data.ms

(17) Chrysene-d12

21.194min (-21.194) 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

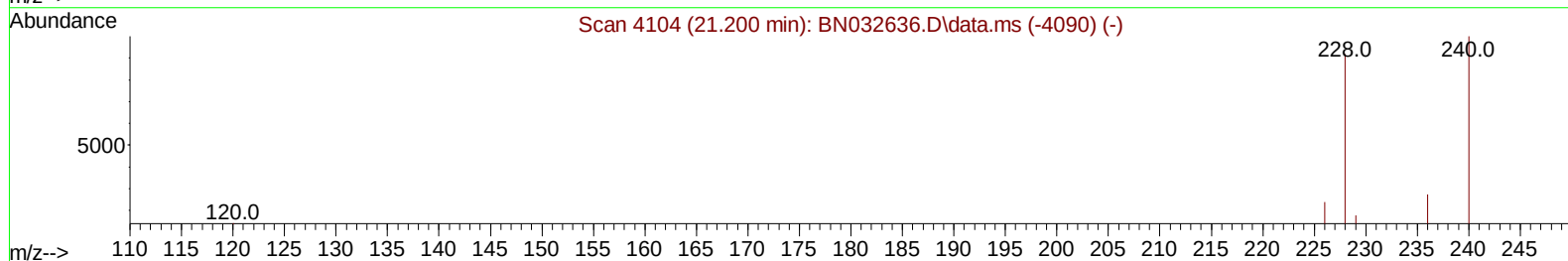
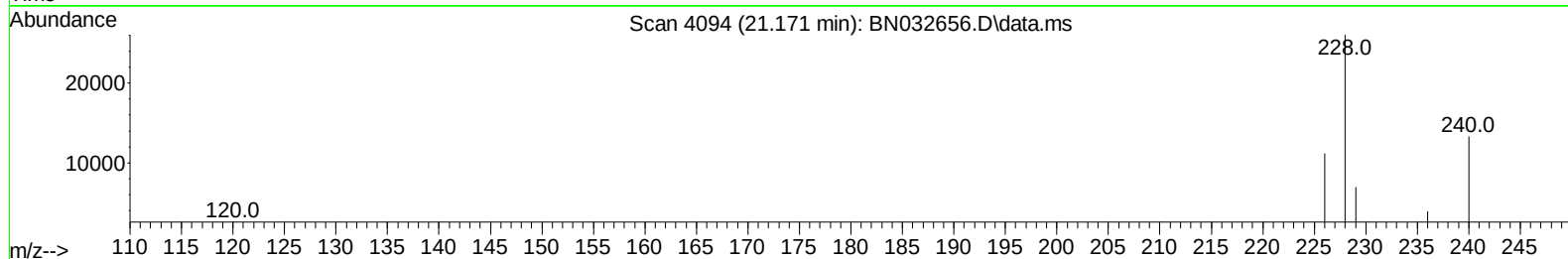
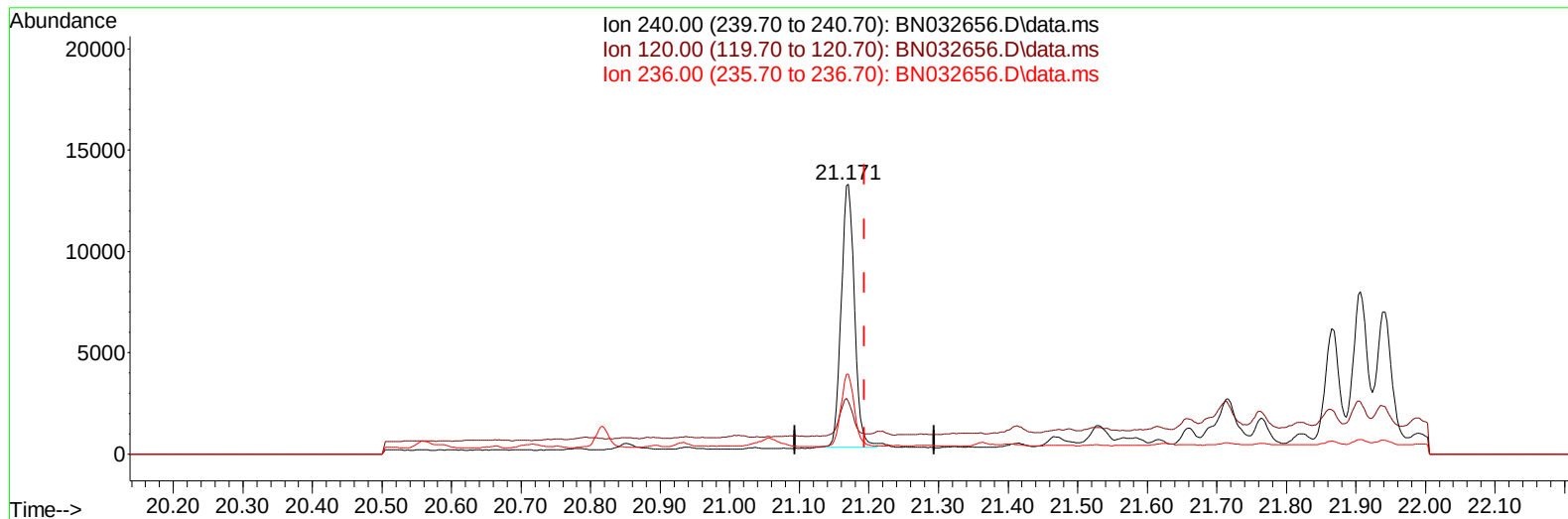
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 04:28:13 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 : Fri Jul 12 01:40:24 2024
Response via : Initial Calibration



TIC: BN032656.D\data.ms

(17) Chrysene-d12

21.171min (-0.023) 0.40 ng/ul m

response 17190

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	18.00	19.38
236.00	28.40	29.68
0.00	0.00	0.00

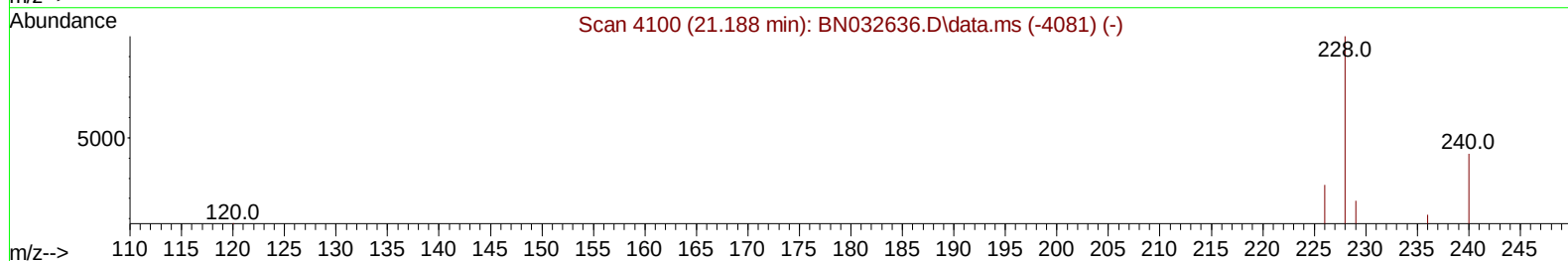
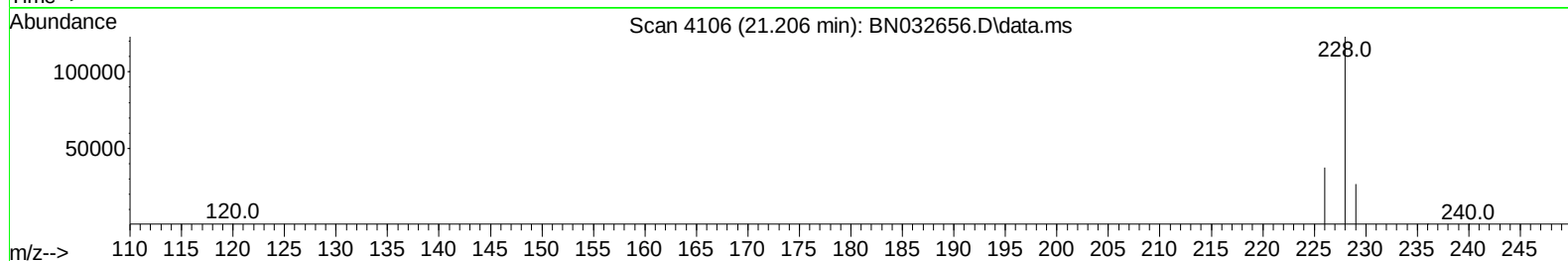
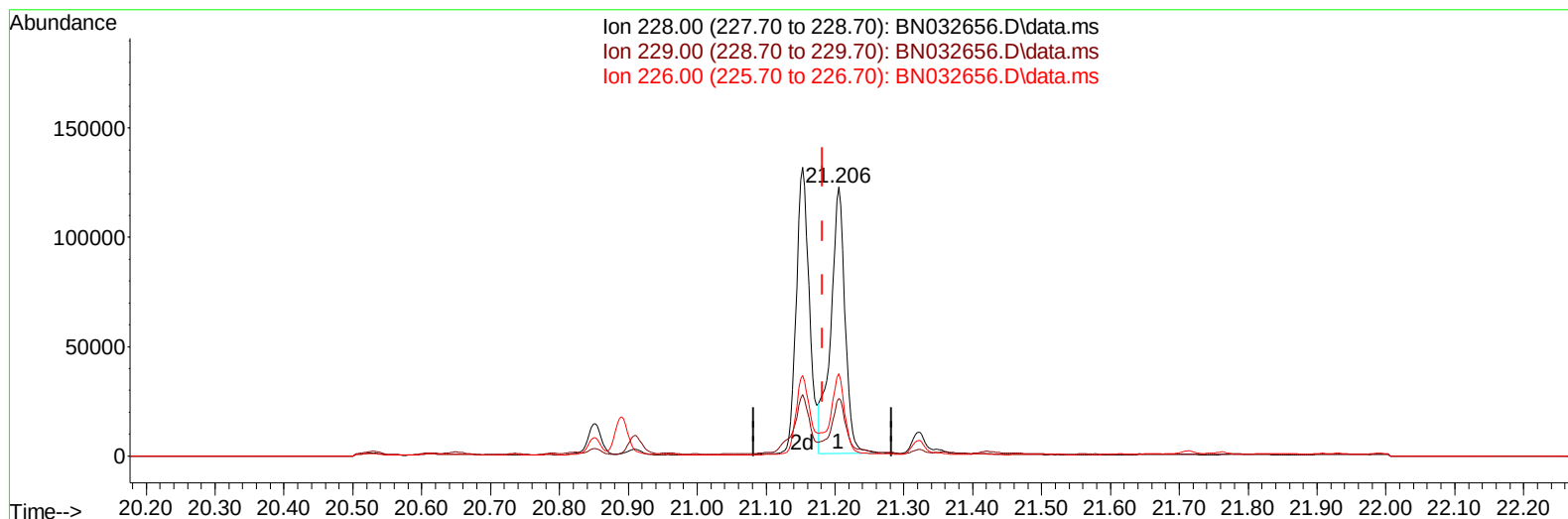
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 2024
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TIC: BN032656.D\data.ms

(21) Benzo(a)anthracene

21.206min (+ 0.023) 3.22 ng/u1

response 176304

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.48
226.00	27.40	30.57
0.00	0.00	0.00

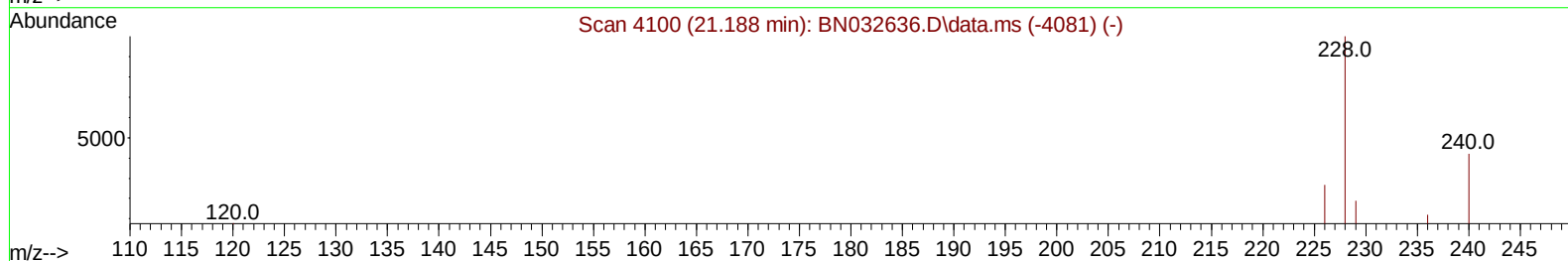
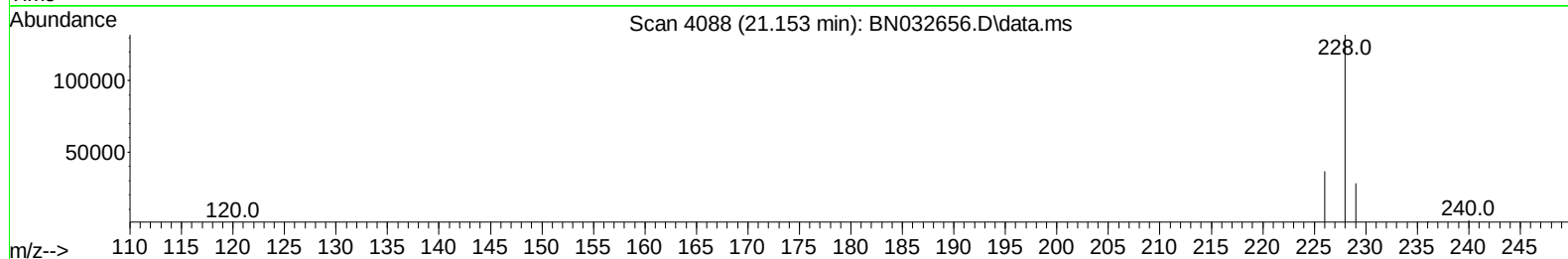
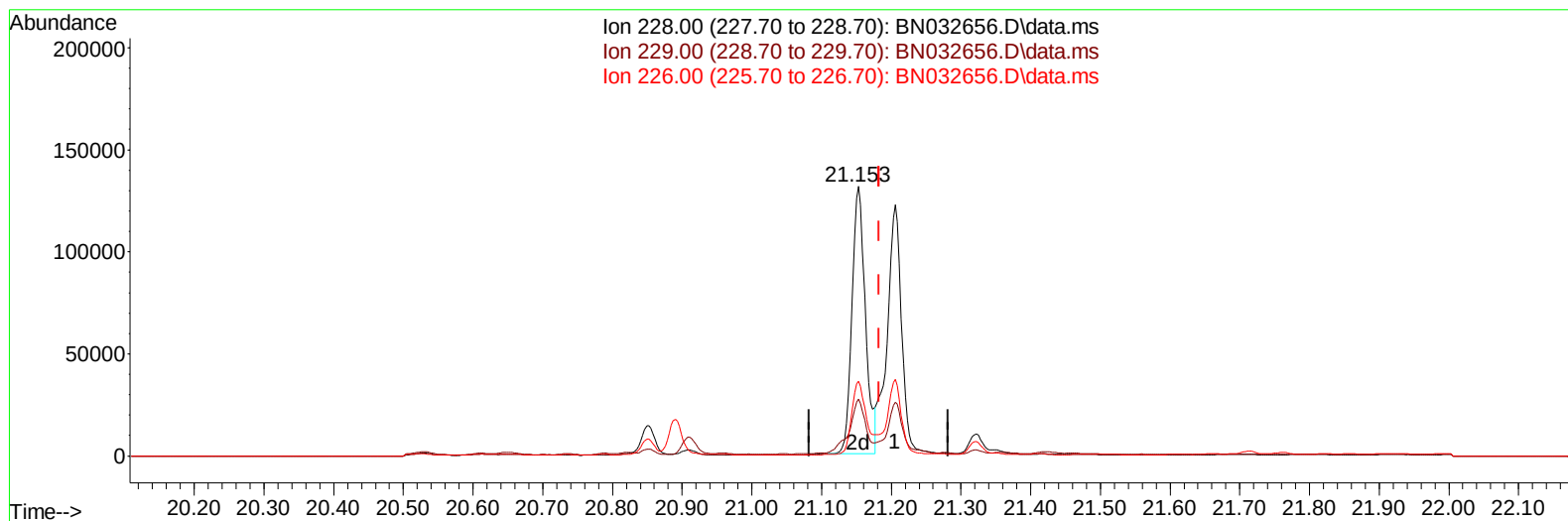
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN071224.M
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TIC: BN032656.D\data.ms

(21) Benzo(a)anthracene

21.153min (-0.029) 3.21 ng/ul m

response 175536

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.10	21.21
226.00	27.40	27.77
0.00	0.00	0.00

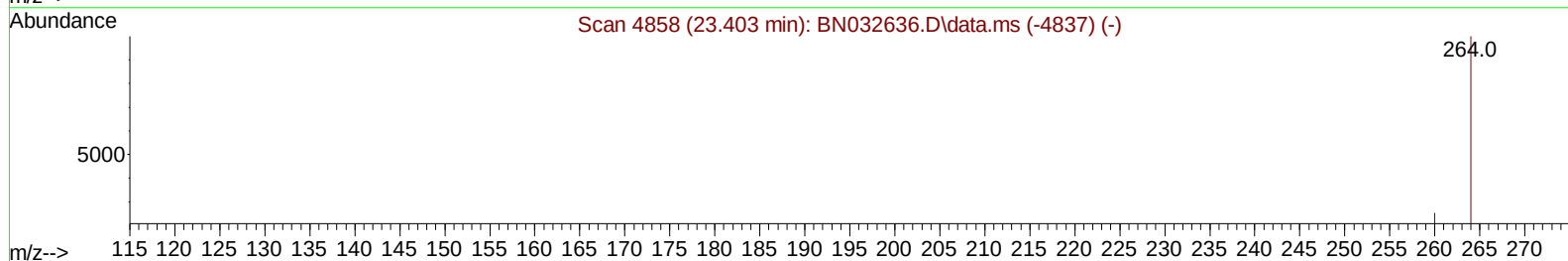
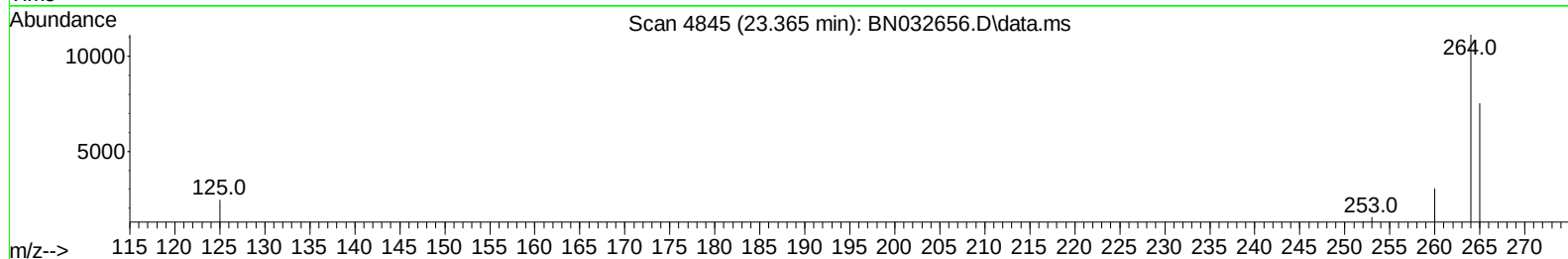
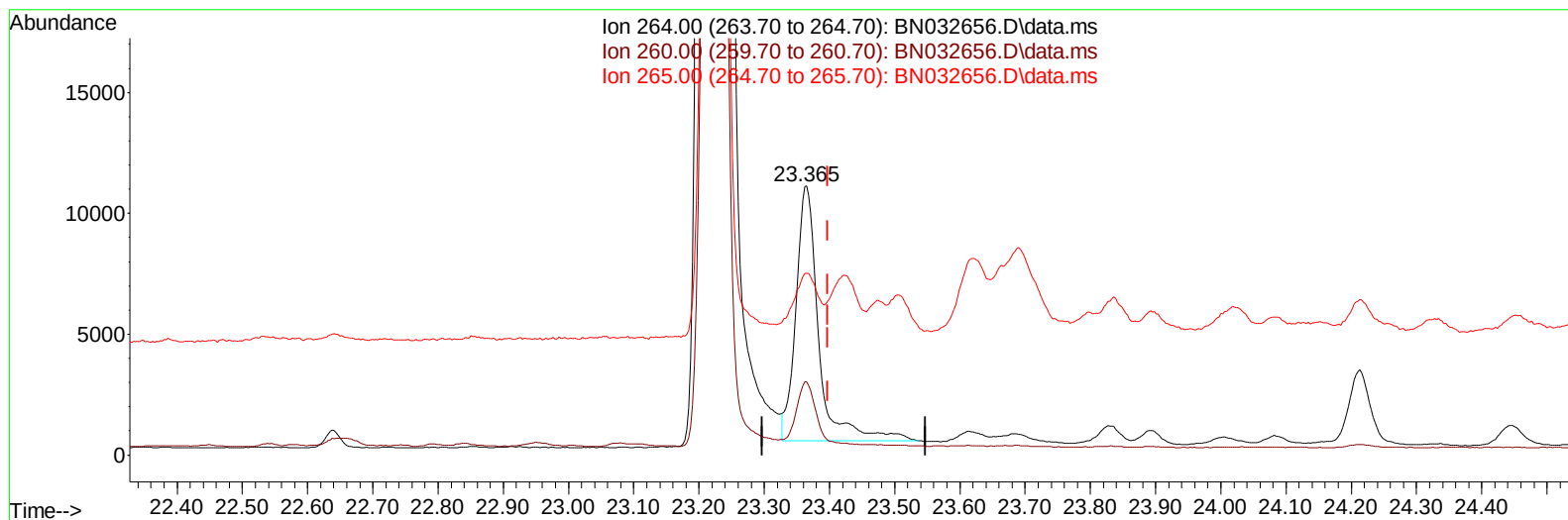
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
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Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

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TIC: BN032656.D\data.ms

(23) Perylene-d12 (I)

23.365min (-0.032) 0.40 ng/u1

response 25653

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	27.28
265.00	95.50	67.54#
0.00	0.00	0.00

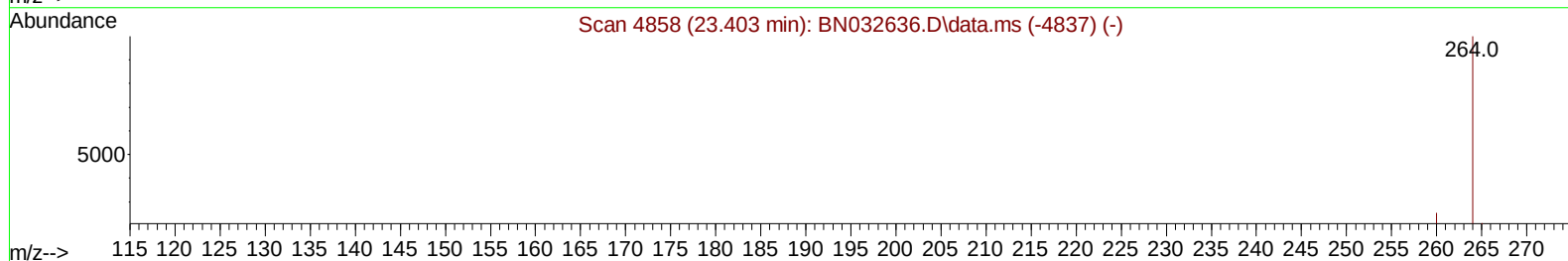
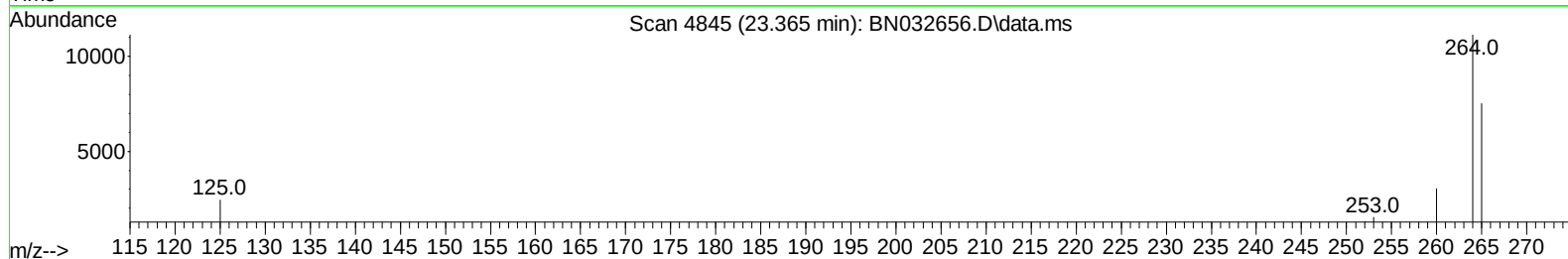
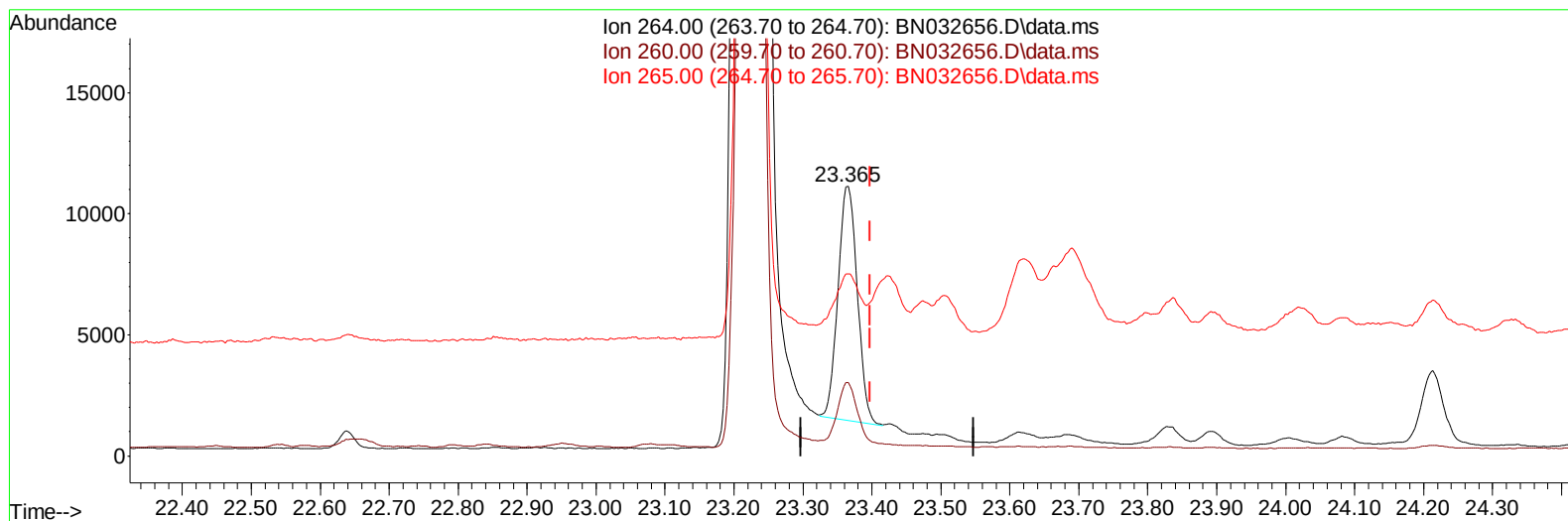
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

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TIC: BN032656.D\data.ms

(23) Perylene-d12 (I)

23.365min (-0.032) 0.40 ng/ul m

response 18785

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.10	27.28
265.00	95.50	67.54#
0.00	0.00	0.00

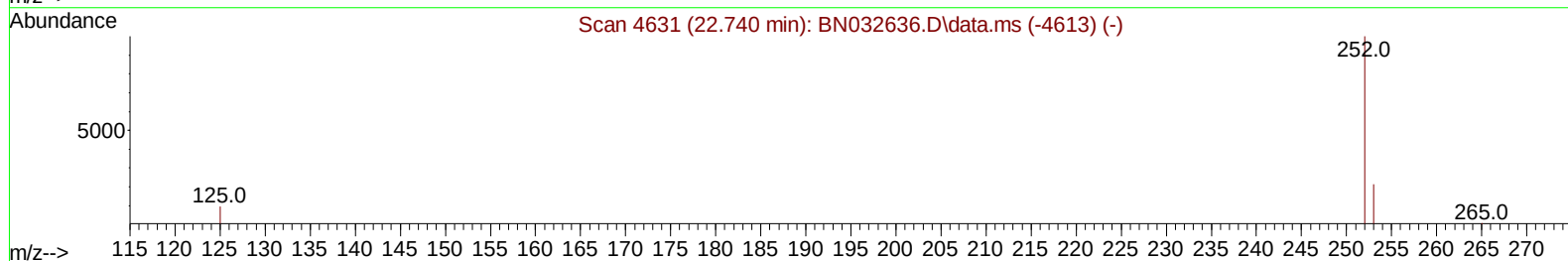
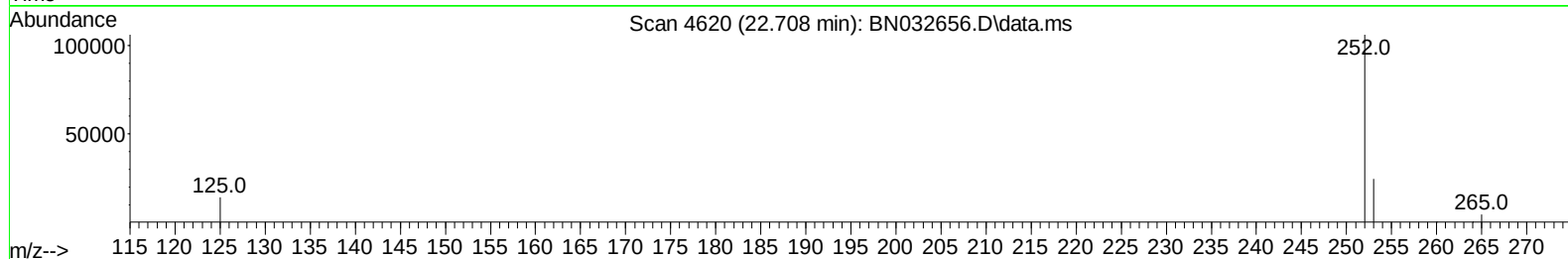
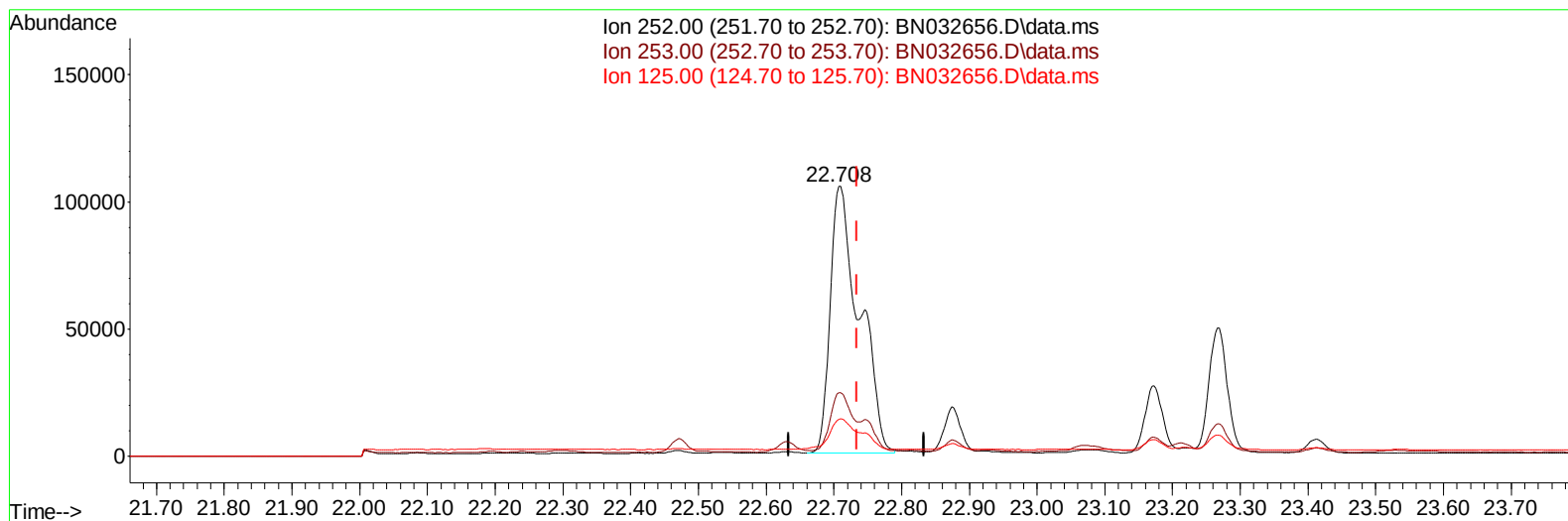
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
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Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 12 04:28:13 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BN032656.D\data.ms

(24) Benzo(b)fluoranthene

22.708min (-0.026) 4.74 ng/u1

response 313861

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.40
125.00	18.00	13.58
0.00	0.00	0.00

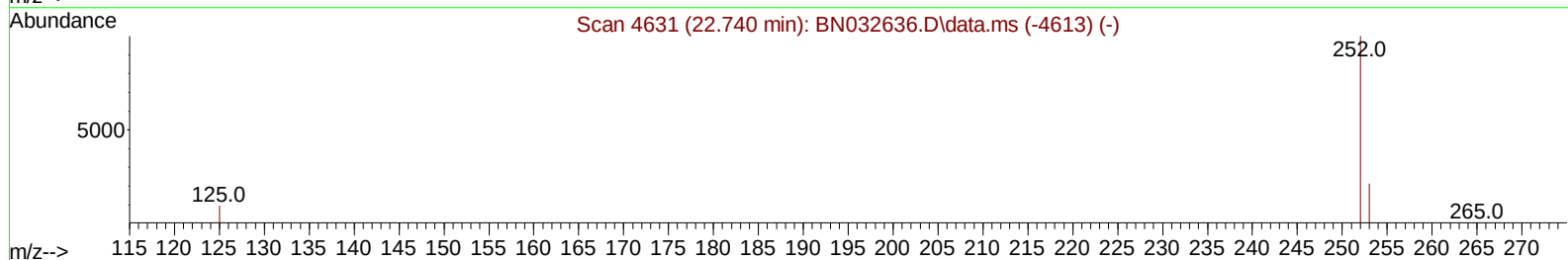
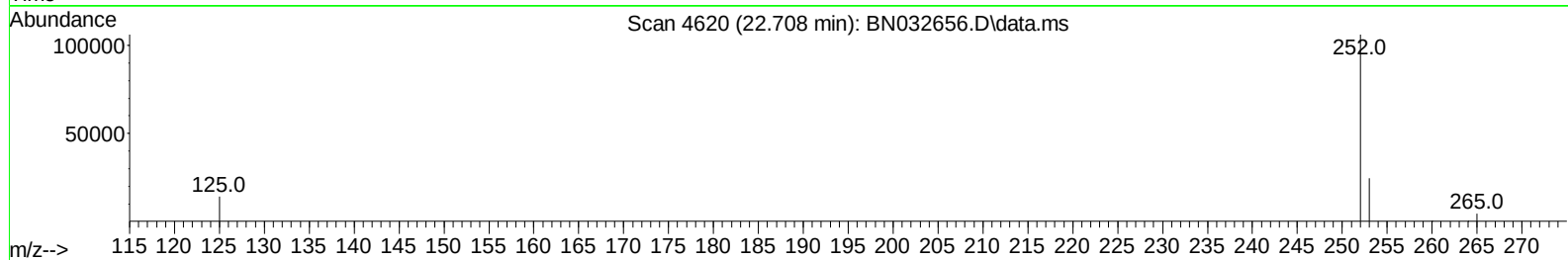
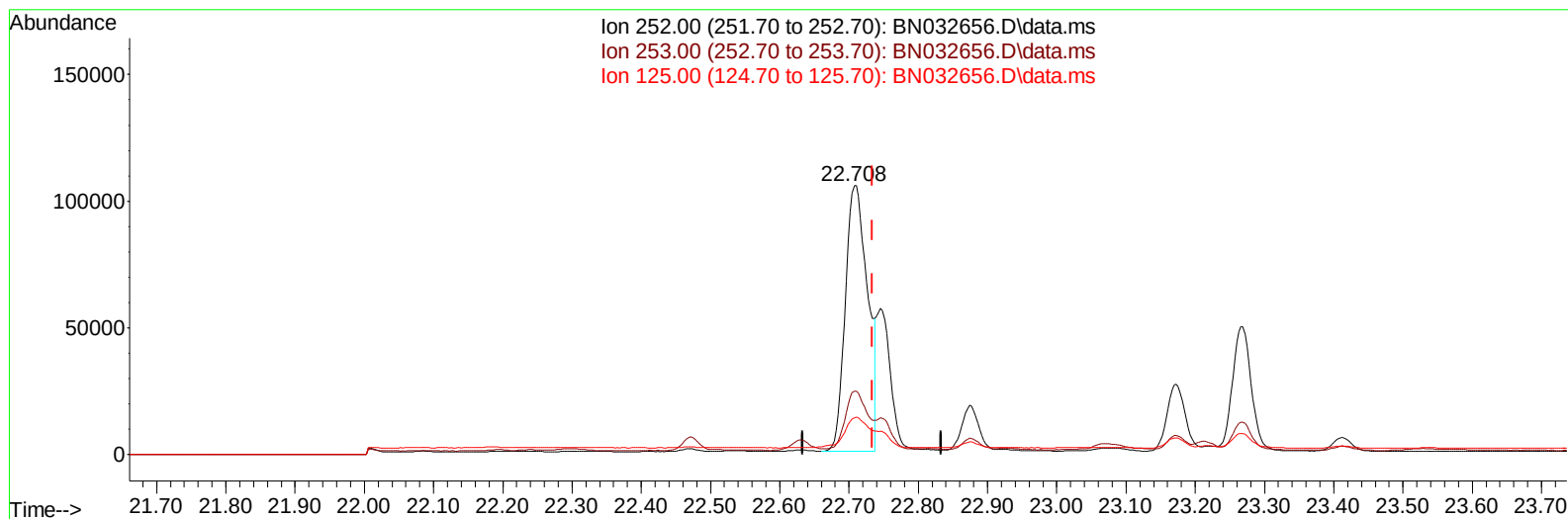
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
 Data File : BN032656.D
 Acq On : 12 Jul 2024 03:59
 Operator : MA/JU
 Sample : P3035-21
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CB9

Manual IntegrationsAPPROVED

Quant Time: Jul 12 04:28:13 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 : Fri Jul 12 01:40:24 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/16/2024



TIC: BN032656.D\data.ms

(24) Benzo(b)fluoranthene

22.708min (-0.026) 3.54 ng/ul m

response 234686

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.00	23.40
125.00	18.00	13.58
0.00	0.00	0.00

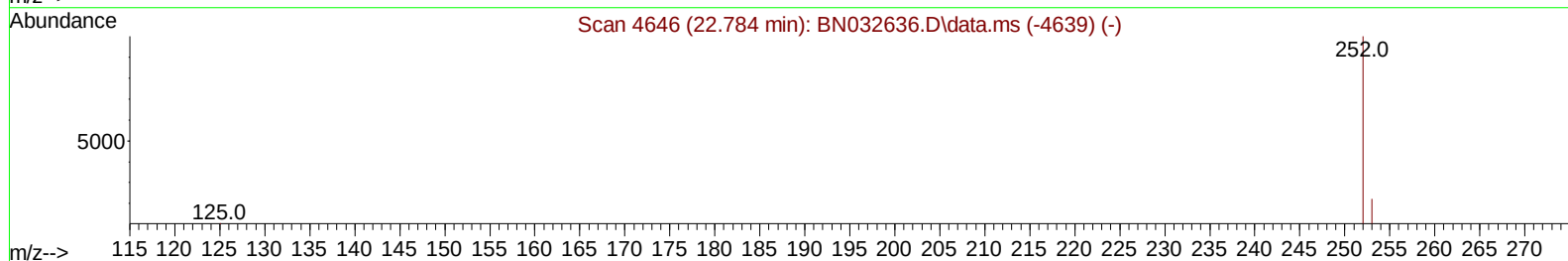
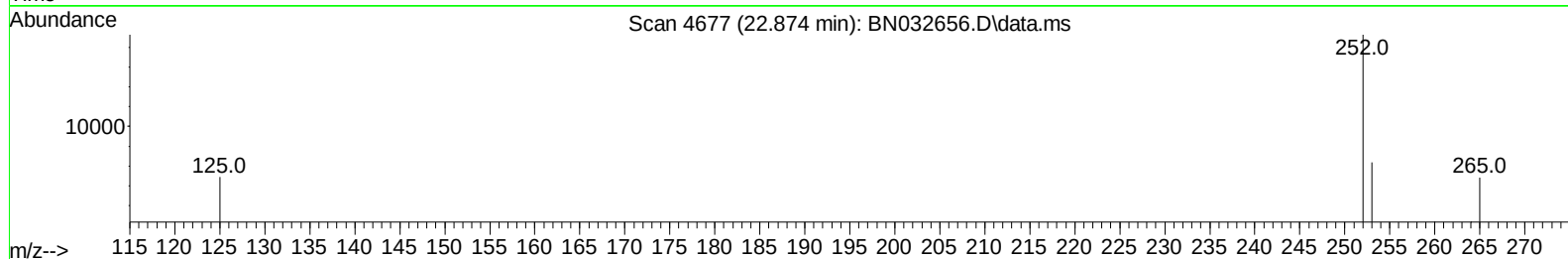
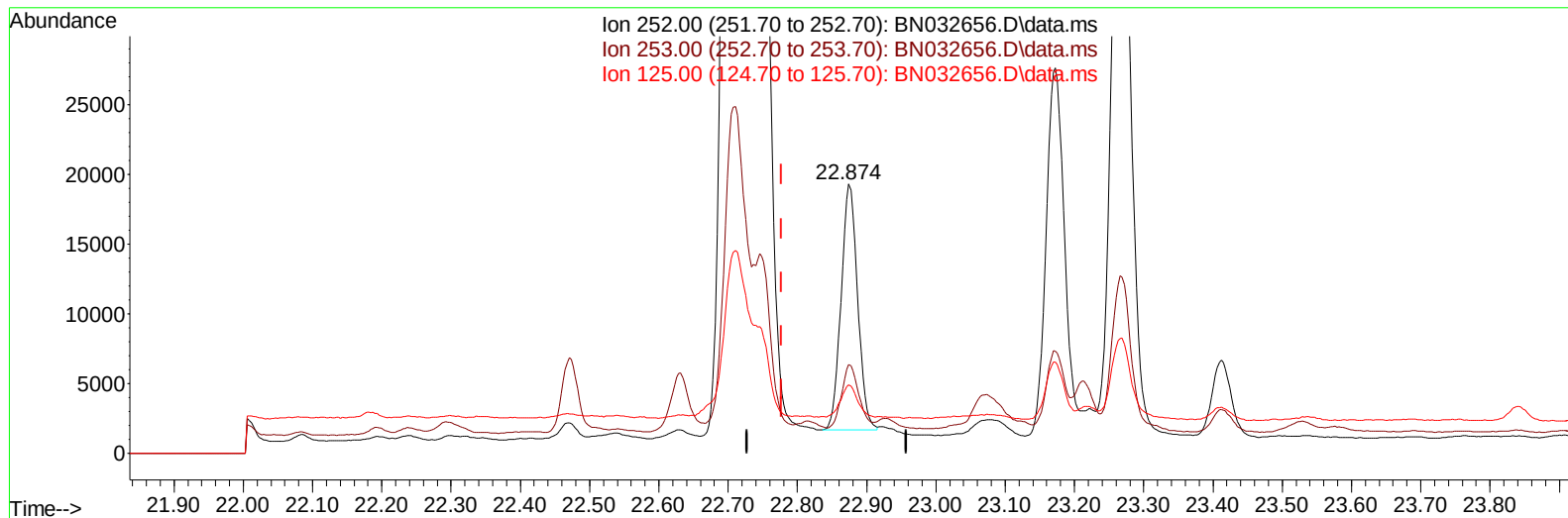
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
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Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
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TIC: BN032656.D\data.ms

(25) Benzo(k)fluoranthene

22.874min (+ 0.096) 0.36 ng/uI

response 29179

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	32.85#
125.00	18.50	25.31#
0.00	0.00	0.00

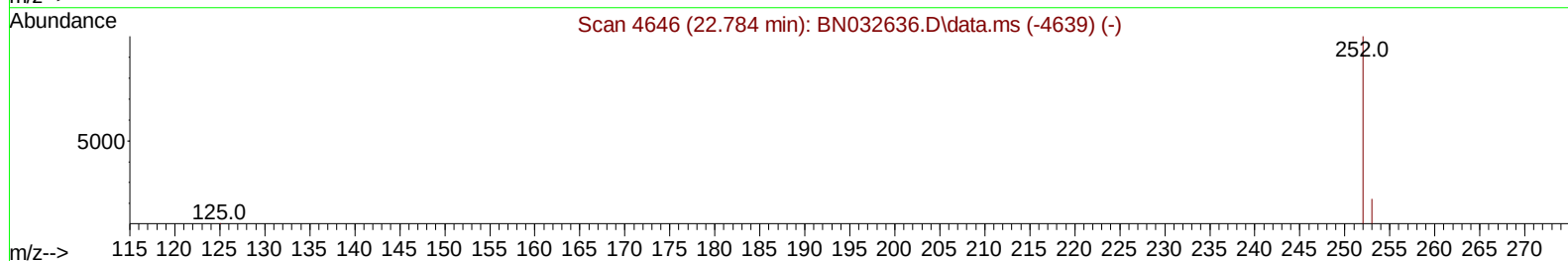
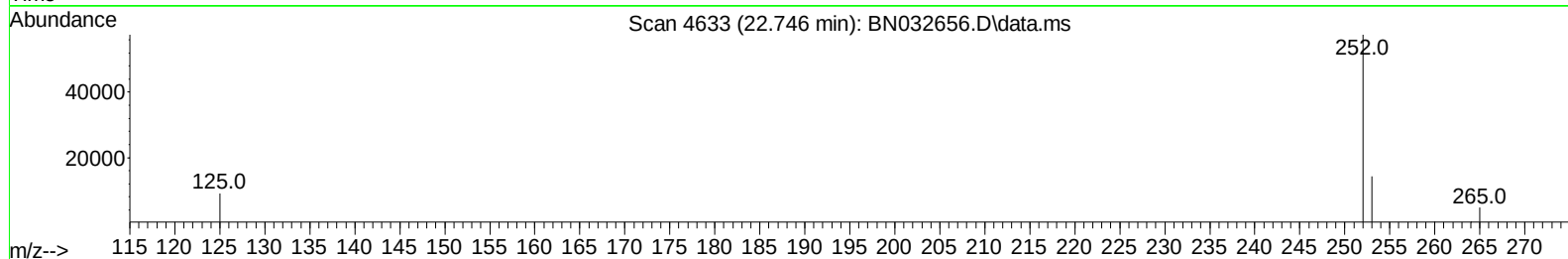
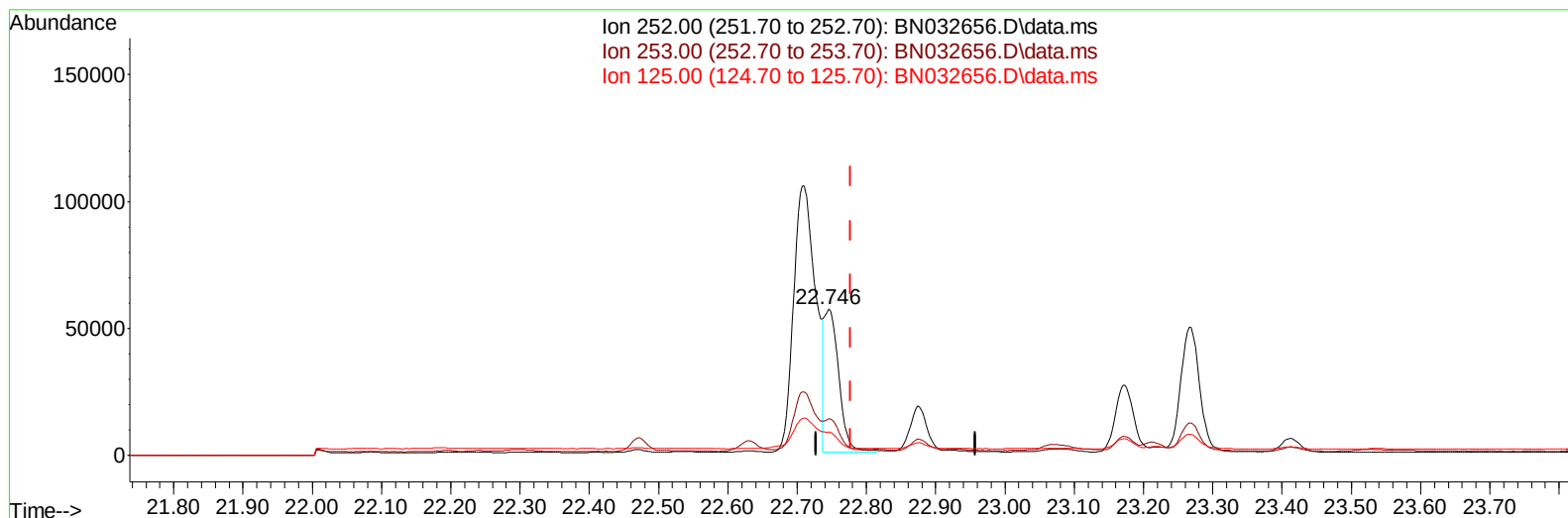
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071224\
Data File : BN032656.D
Acq On : 12 Jul 2024 03:59
Operator : MA/JU
Sample : P3035-21
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CB9

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TIC: BN032656.D\data.ms

(25) Benzo(k)fluoranthene

22.746min (-0.032) 1.00 ng/ul m

response 80968

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.50	24.86
125.00	18.50	15.76
0.00	0.00	0.00

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 Misc :
 ALS Vial : 33 Sample Multiplier: 1

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	8094	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.321	136	25694	0.400	ng/ul	-0.04
9) Acenaphthene-d10	14.202	164	13860	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.961	188	24407m	0.400	ng/ul	-0.03
17) Chrysene-d12	21.171	240	17190m	0.400	ng/ul	-0.02
23) Perylene-d12	23.365	264	18785m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.101	96	30637	3.152	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.927	152	8332	0.215	ng/ul	-0.04
18) Fluoranthene-d10	18.999	212	12982	0.232	ng/ul	-0.03
Target Compounds						
						Qvalue
5) Naphthalene	10.371	128	6846	0.099	ng/ul	98
7) 2-Methylnaphthalene	12.004	142	2582	0.060	ng/ul	95
8) 1-Methylnaphthalene	12.224	142	2046	0.046	ng/ul	99
10) Acenaphthylene	13.920	152	12743	0.228	ng/ul	98
11) Acenaphthene	14.267	153	10432	0.225	ng/ul	99
12) Fluorene	15.262	166	13240	0.250	ng/ul	98
15) Phenanthrene	16.999	178	223341m	3.360	ng/ul	
16) Anthracene	17.092	178	41703m	0.768	ng/ul	
19) Fluoranthene	19.031	202	400199	5.726	ng/ul	98
20) Pyrene	19.394	202	289114	3.996	ng/ul	99
21) Benzo(a)anthracene	21.153	228	175536m	3.208	ng/ul	
22) Chrysene	21.206	228	177569	2.243	ng/ul	98
24) Benzo(b)fluoranthene	22.708	252	234686m	3.541	ng/ul	
25) Benzo(k)fluoranthene	22.746	252	80968m	1.002	ng/ul	
26) Benzo(a)pyrene	23.269	252	93858	1.636	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	25.572	276	81152	1.045	ng/ul#	93
28) Dibenzo(a,h)anthracene	25.572	278	27698	0.460	ng/ul#	90
29) Benzo(g,h,i)perylene	26.253	276	11891	0.183	ng/ul#	82

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

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