

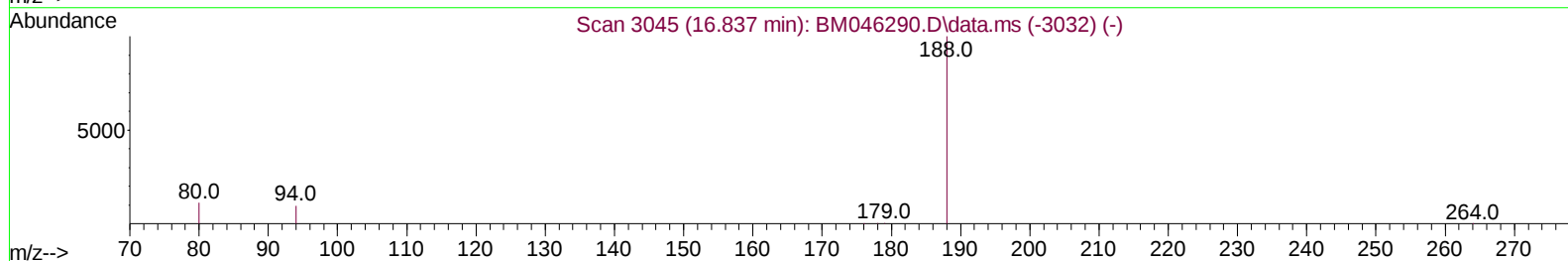
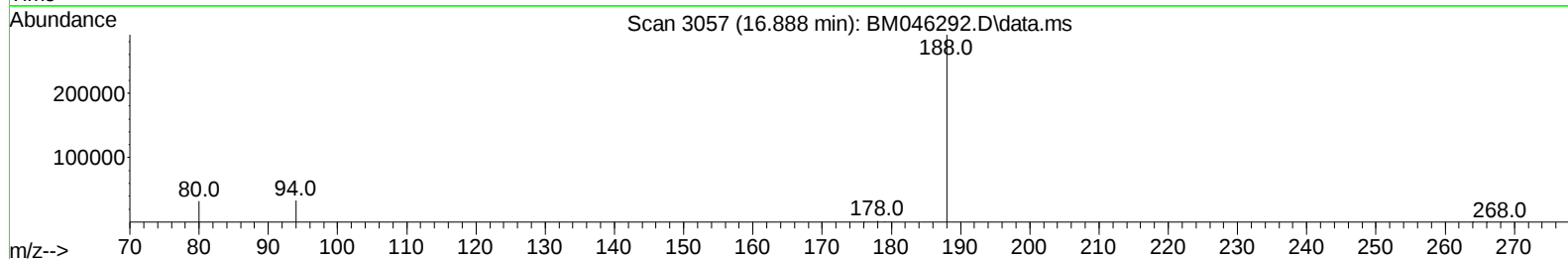
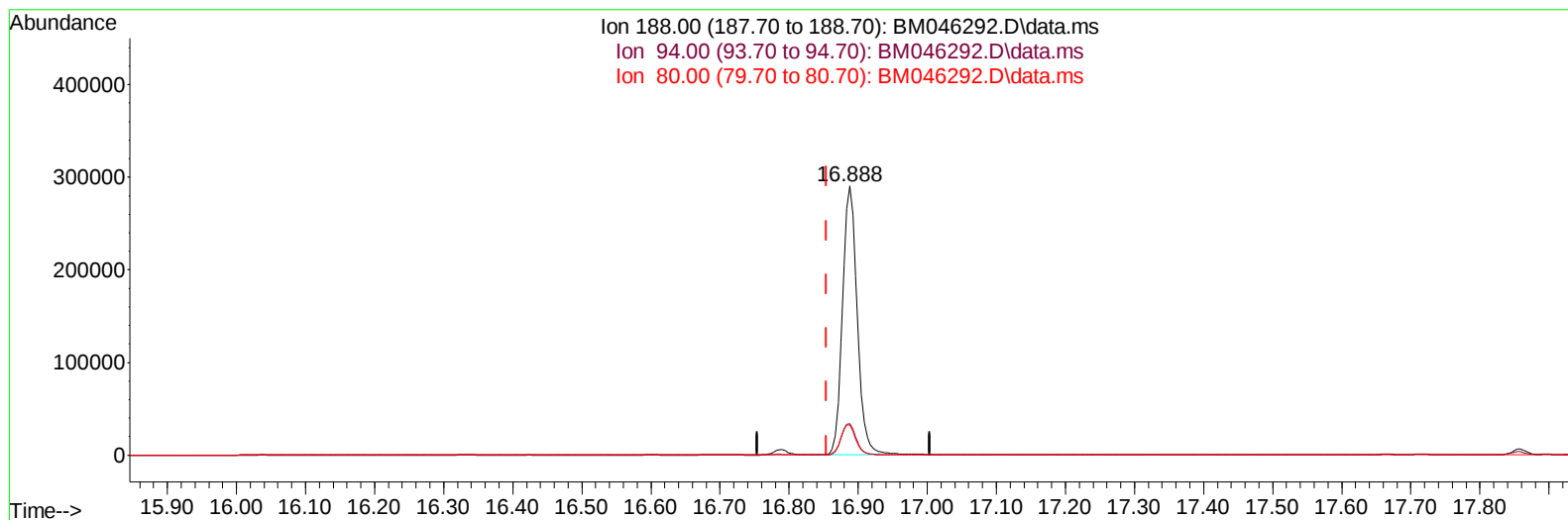
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046292.D\data.ms

(13) Phenanthrene-d10 (I)

16.888min (+ 0.034) 0.40 ng/u1

response 426706

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	11.70
80.00	15.20	11.26#
0.00	0.00	0.00

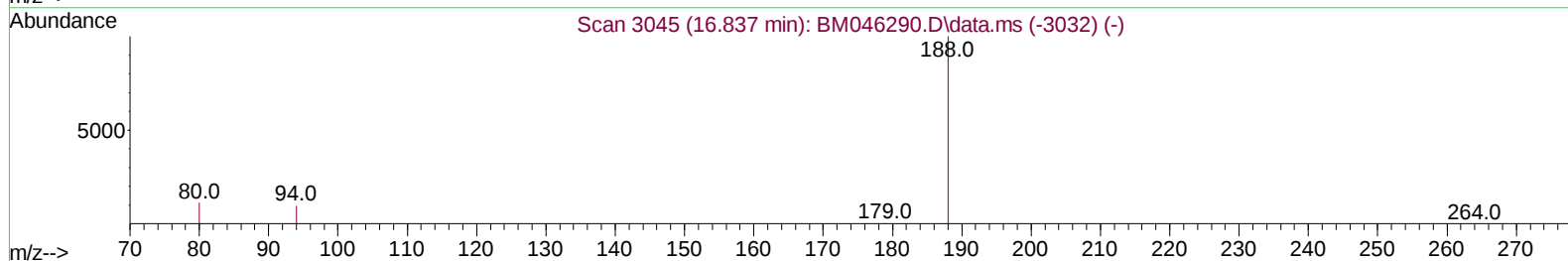
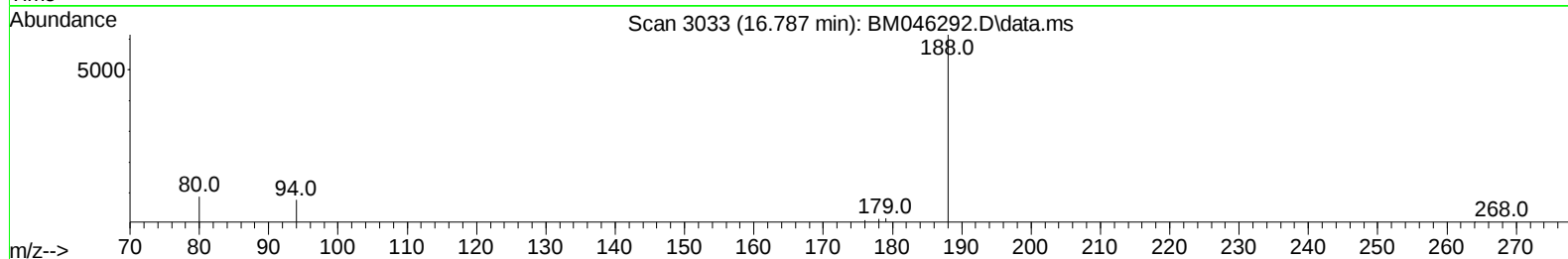
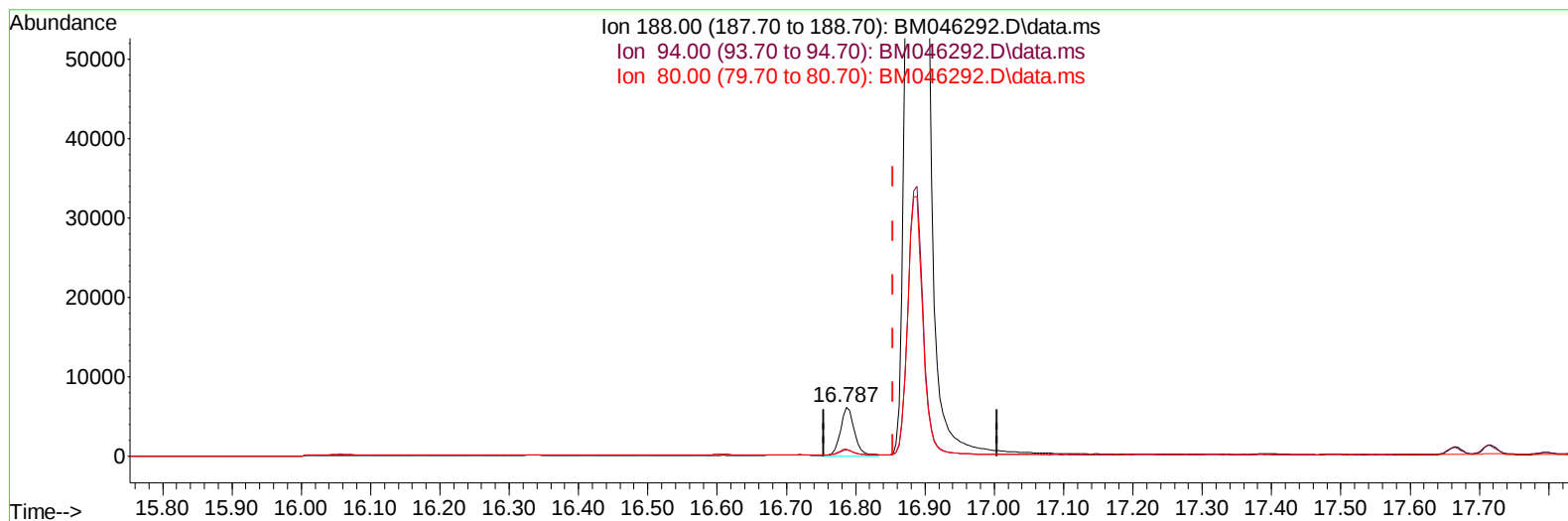
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
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Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046292.D\data.ms

(13) Phenanthrene-d10 (I)

16.787min (-0.068) 0.40 ng/u1 m

response 8633

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.53
80.00	15.20	14.29
0.00	0.00	0.00

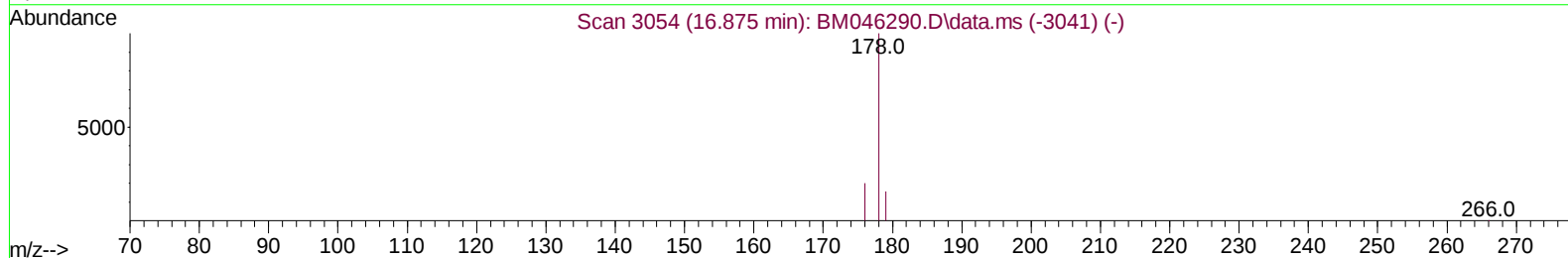
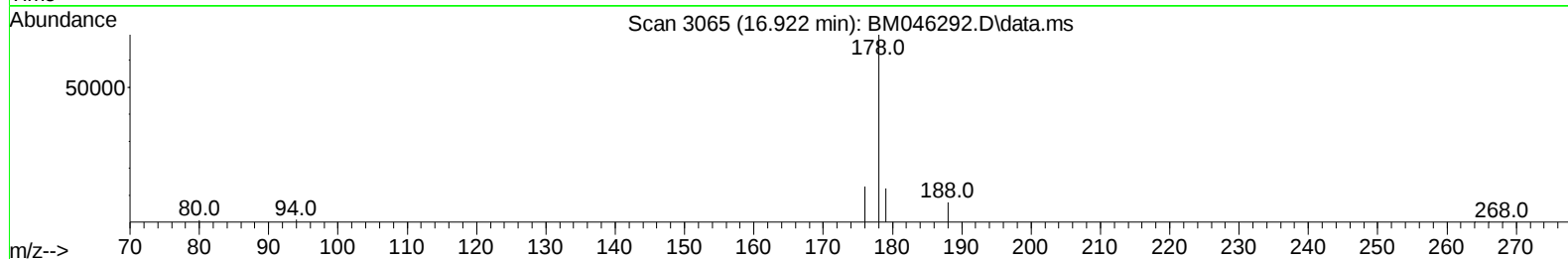
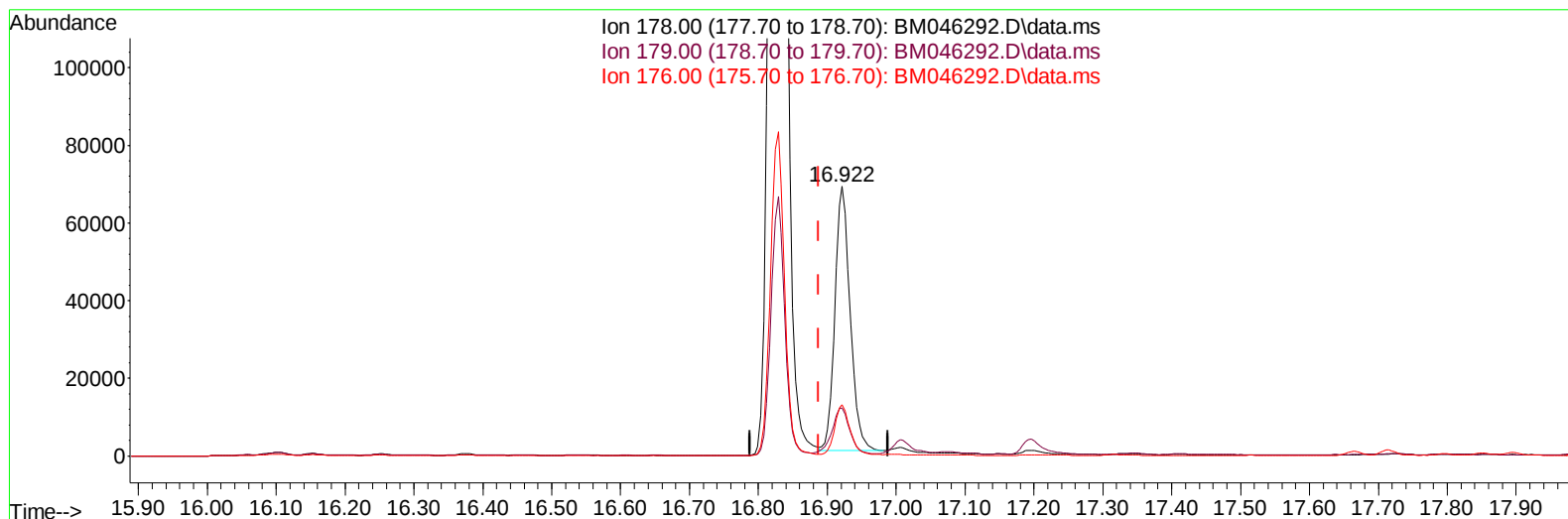
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
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TIC: BM046292.D\data.ms

(15) Phenanthrene

16.922min (+ 0.034) 4.33 ng/u1

response 104918

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	17.91
176.00	21.40	19.07
0.00	0.00	0.00

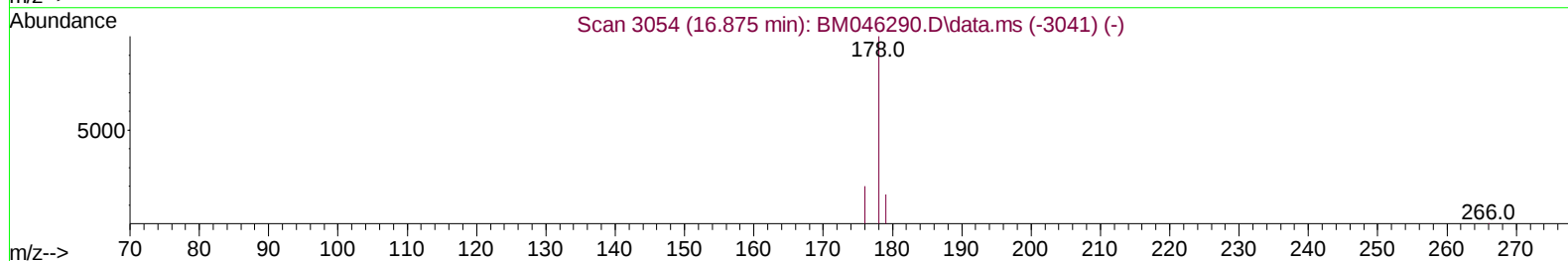
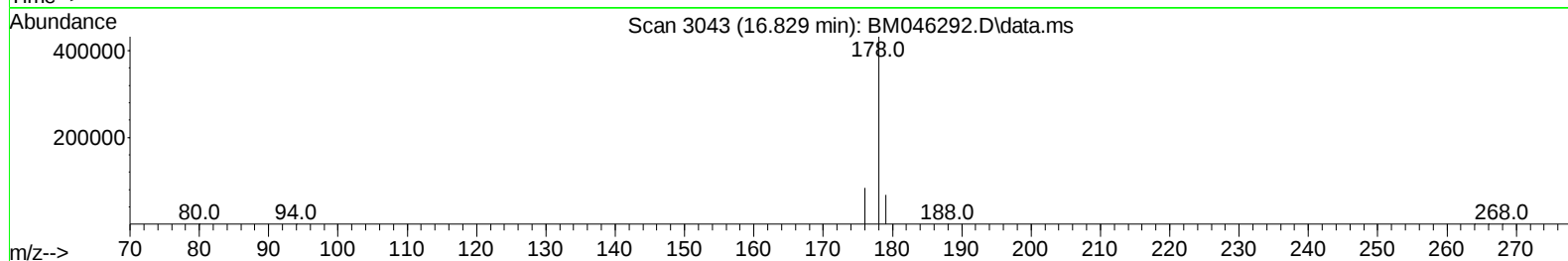
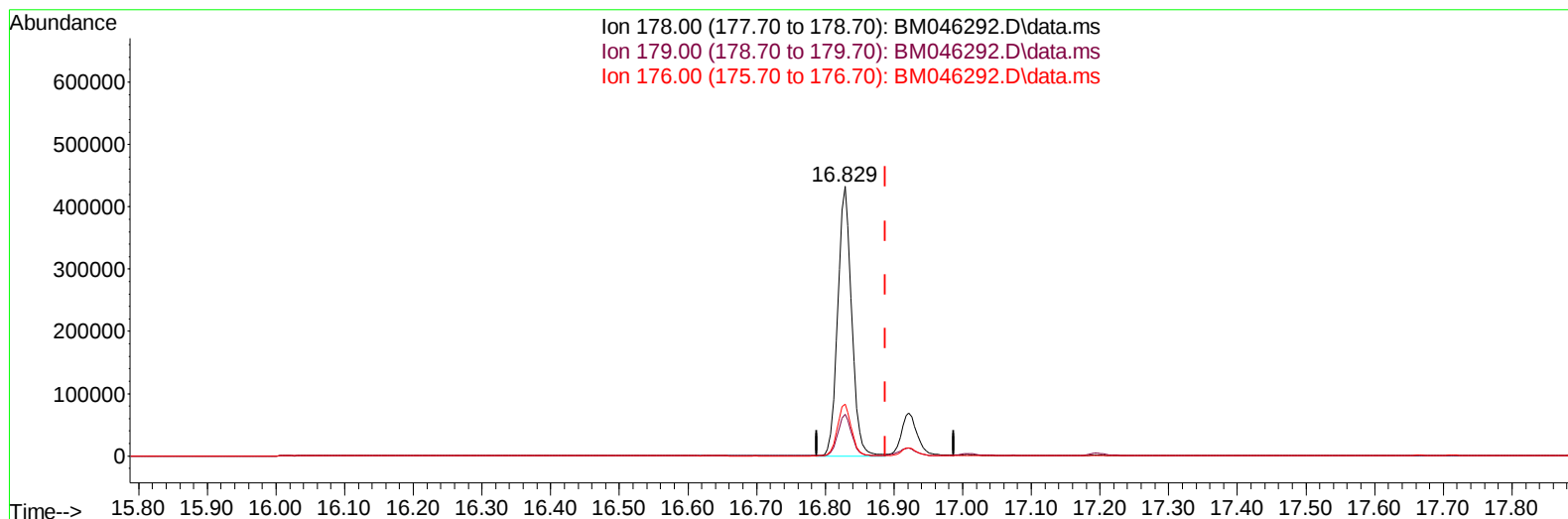
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
 Data File : BM046292.D
 Acq On : 25 Jun 2024 15:25
 Operator : MA/JU
 Sample : P2844-12
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 08:04:59 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



TIC: BM046292.D\data.ms

(15) Phenanthrene

16.829min (-0.059) 25.01 ng/ul m

response 606725

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.45
176.00	21.40	19.31
0.00	0.00	0.00

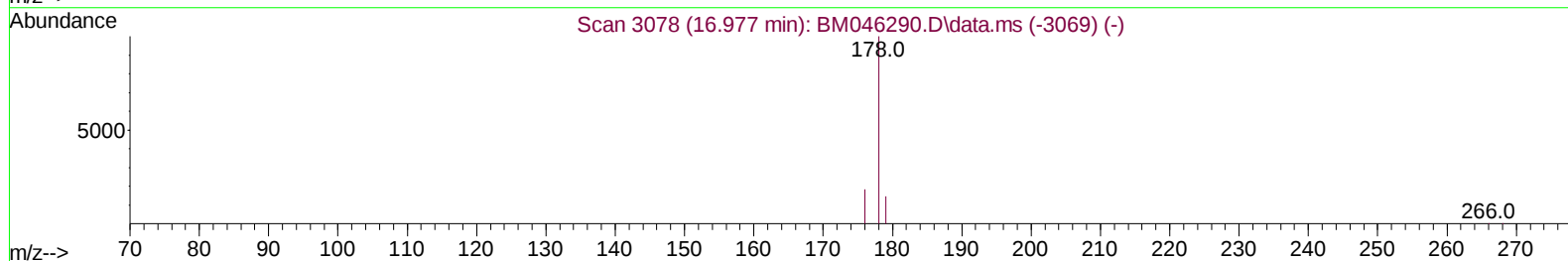
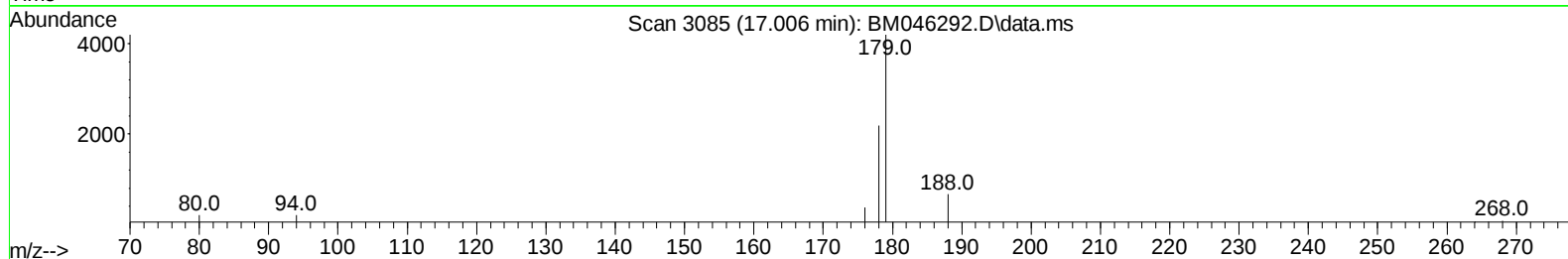
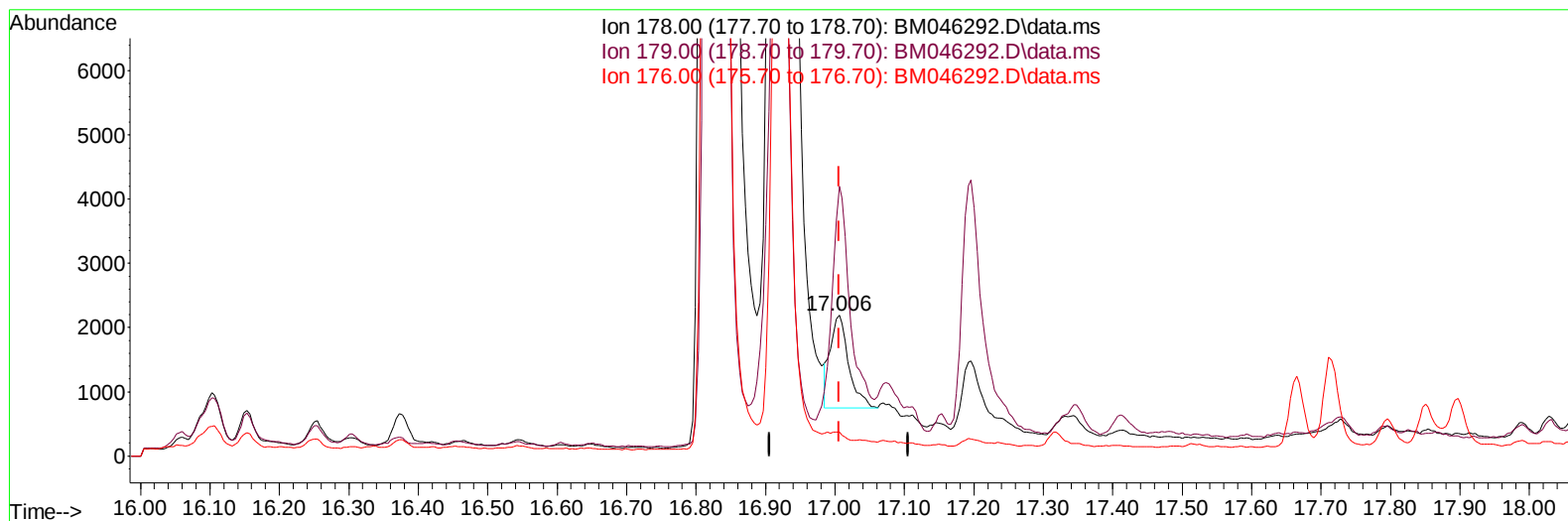
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
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TIC: BM046292.D\data.ms

(16) Anthracene

17.006min (-0.000) 0.15 ng/u1

response 2656

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	191.60#
176.00	21.20	16.93#
0.00	0.00	0.00

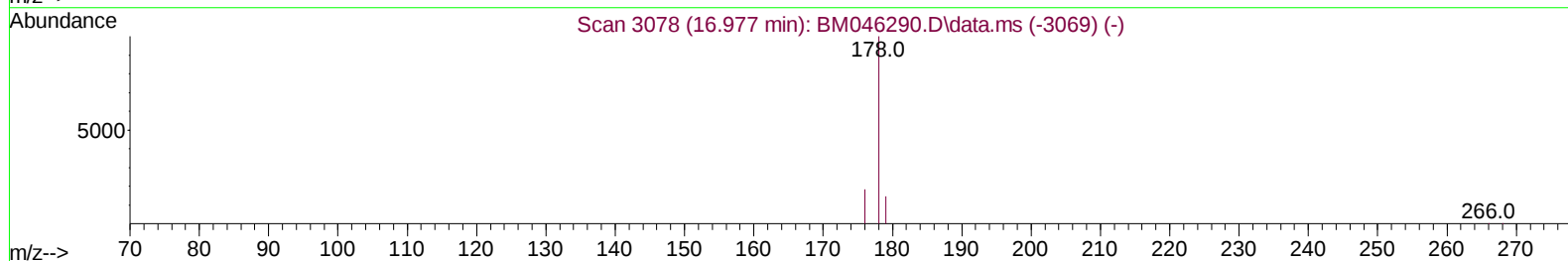
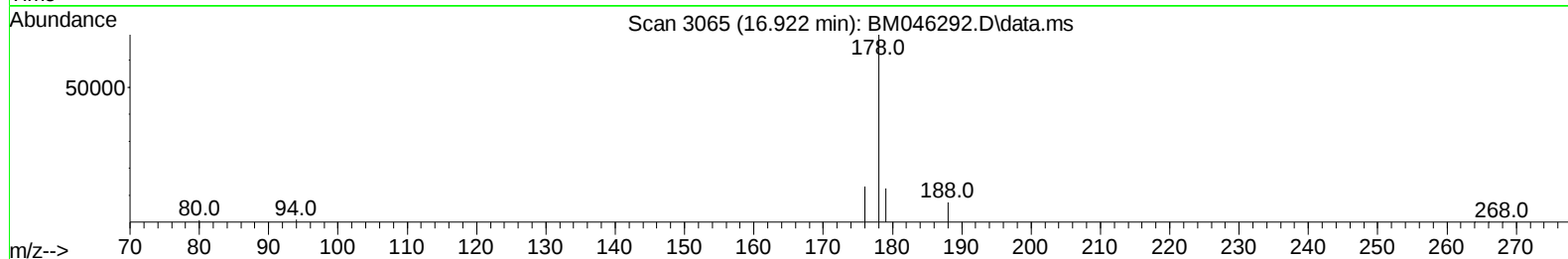
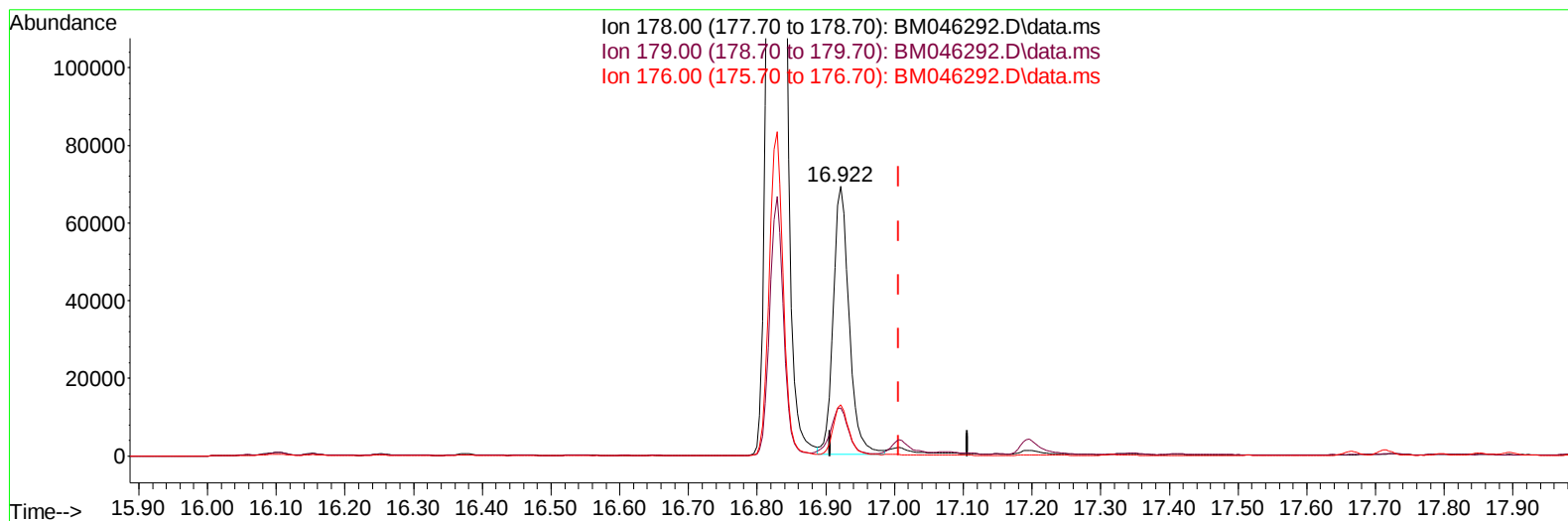
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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TIC: BM046292.D\data.ms

(16) Anthracene

16.922min (-0.085) 6.14 ng/u1 m

response 110994

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	17.91
176.00	21.20	19.07
0.00	0.00	0.00

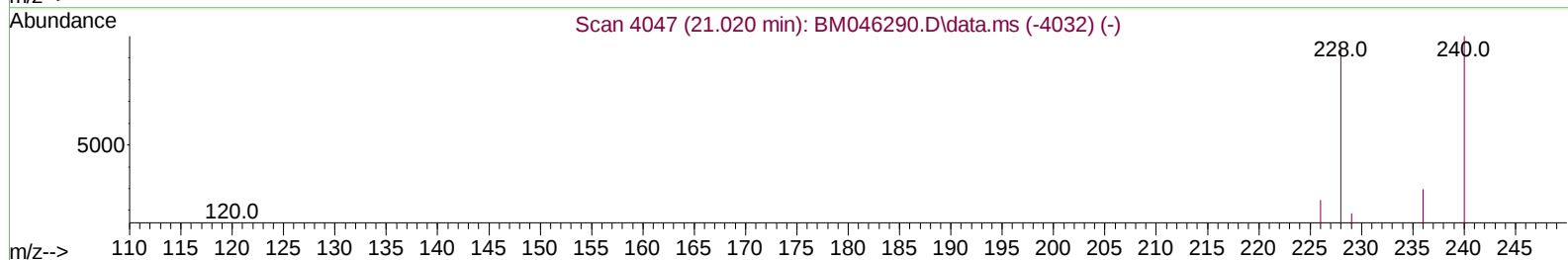
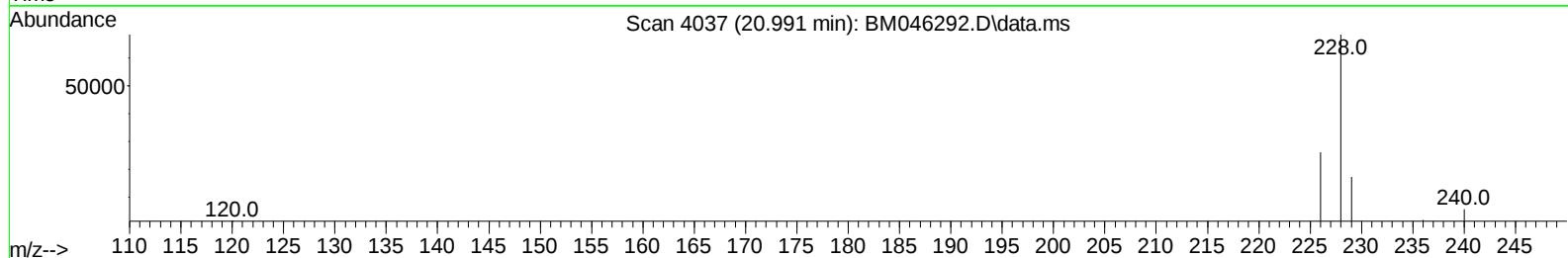
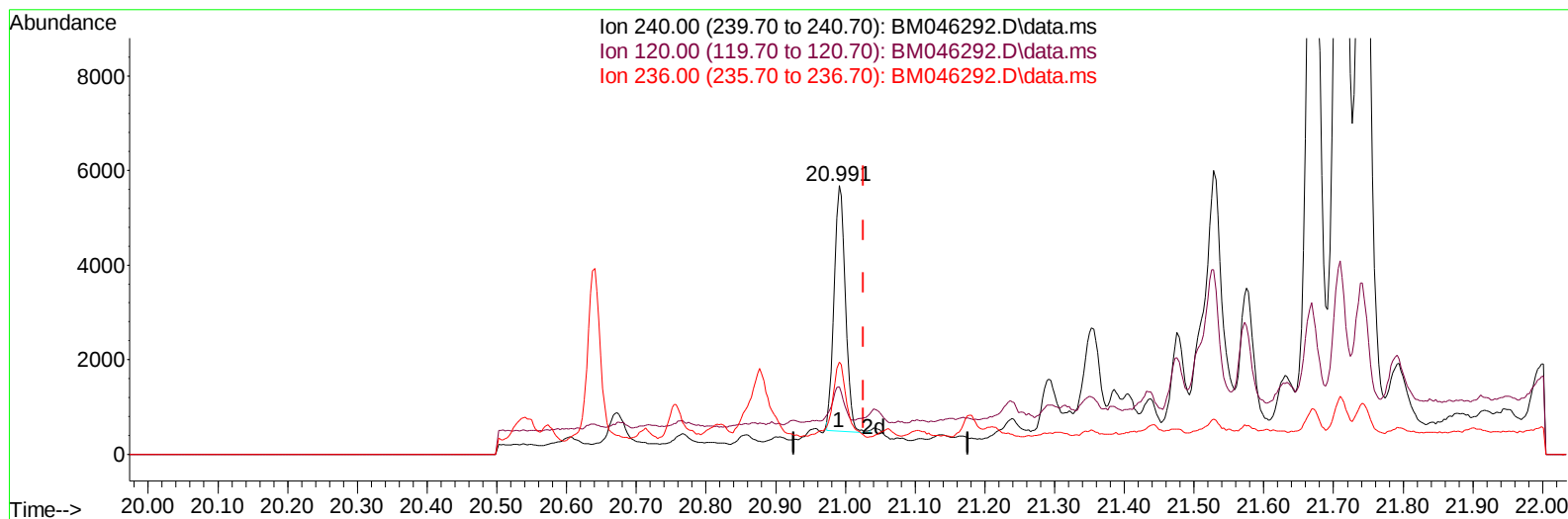
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
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TIC: BM046292.D\data.ms

(17) Chrysene-d12

20.991min (-0.035) 0.40 ng/u1

response 5882

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	25.04
236.00	33.60	34.36
0.00	0.00	0.00

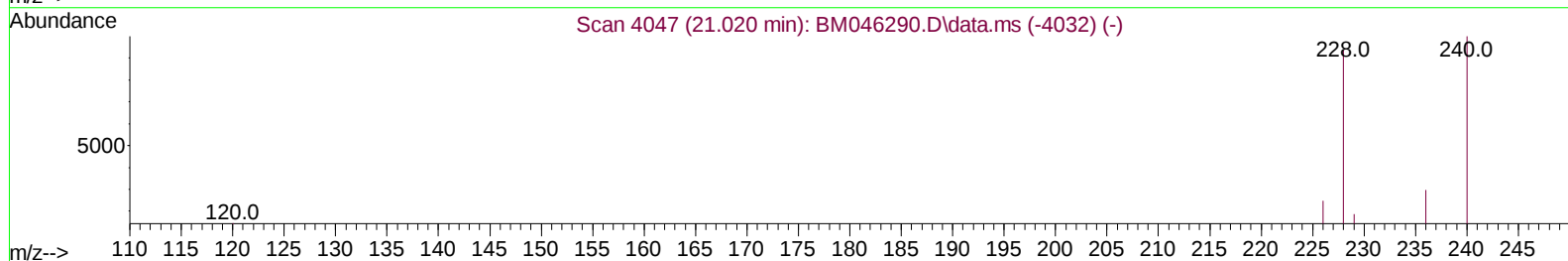
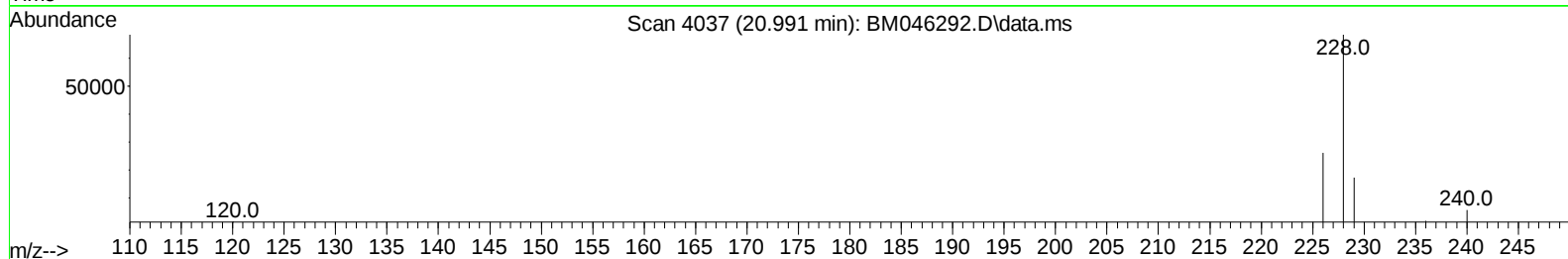
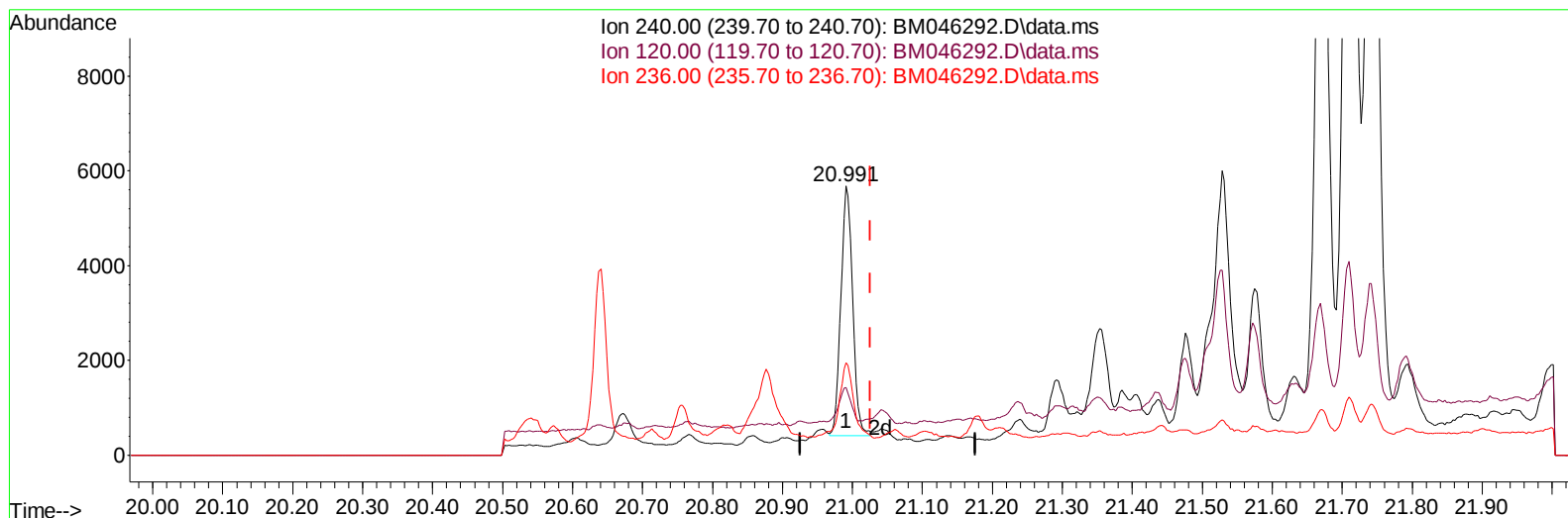
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

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TIC: BM046292.D\data.ms

(17) Chrysene-d12

20.991min (-0.035) 0.40 ng/u1 m

response 6152

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	25.04
236.00	33.60	34.36
0.00	0.00	0.00

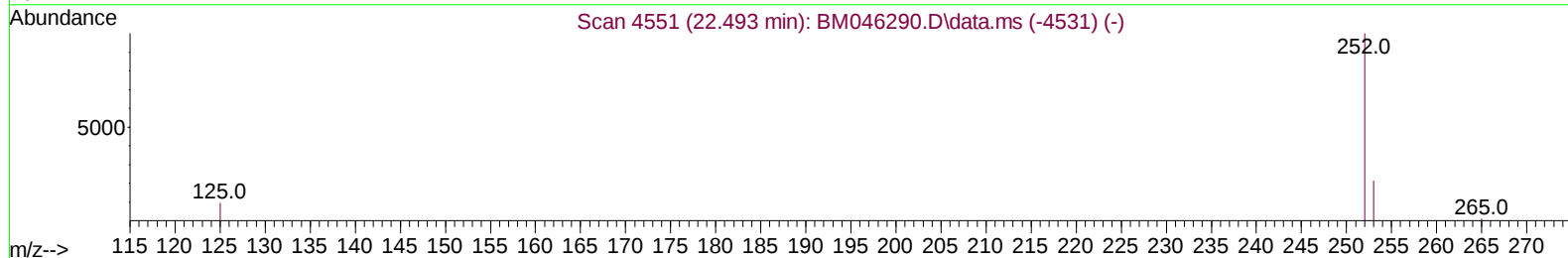
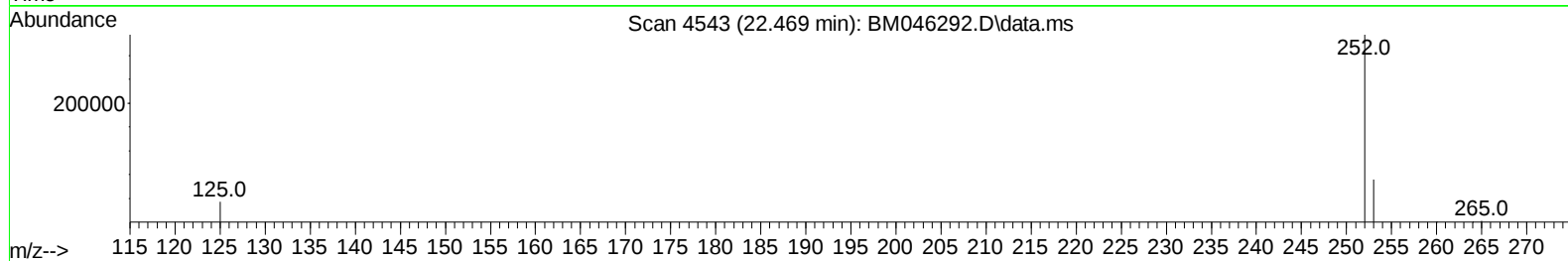
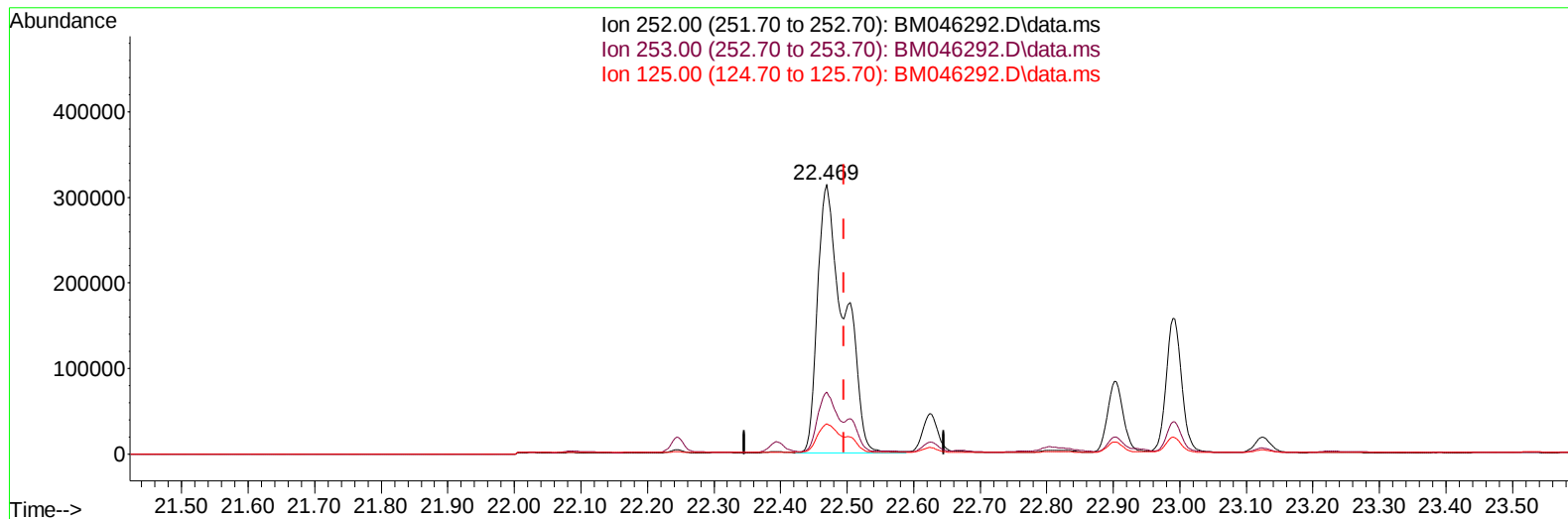
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

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TIC: BM046292.D\data.ms

(24) Benzo(b)fluoranthene

22.469min (-0.026) 30.53 ng/u1

response 871508

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.91
125.00	20.10	11.13
0.00	0.00	0.00

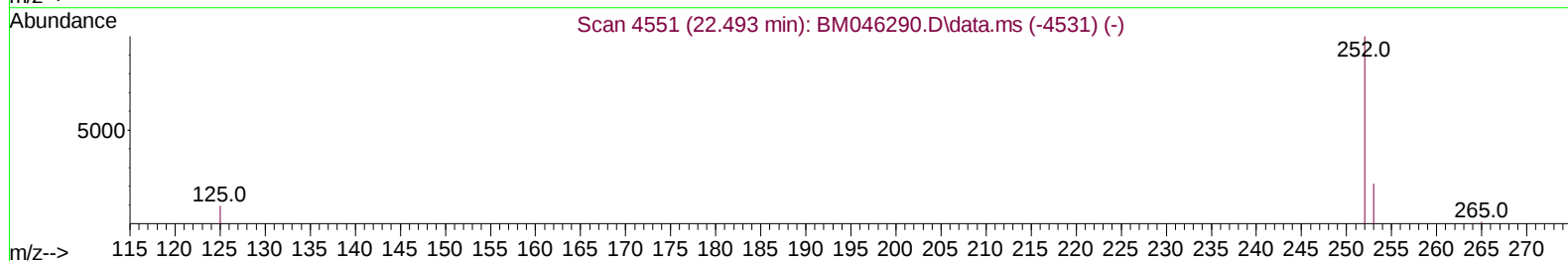
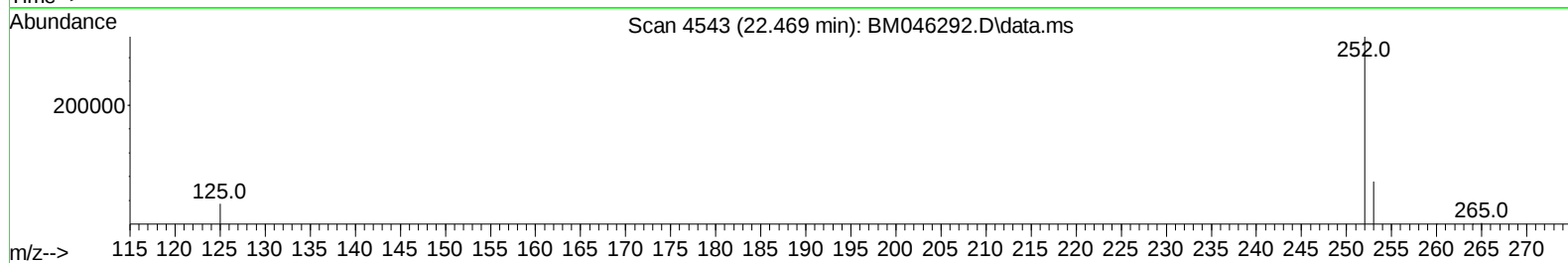
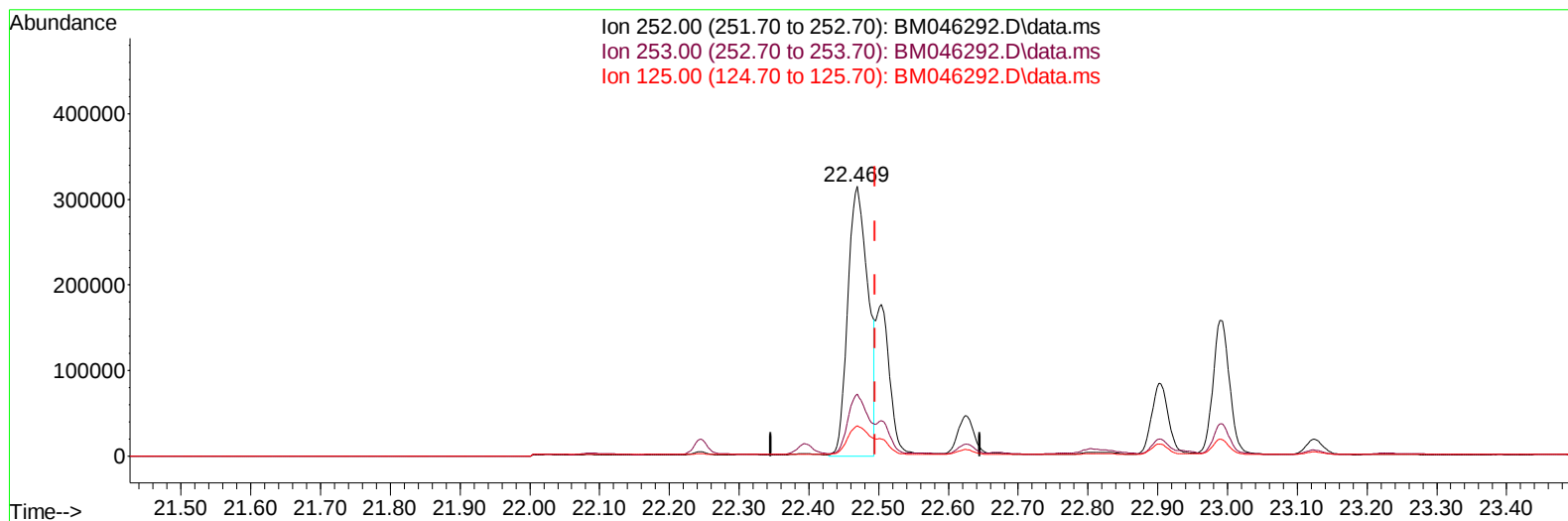
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
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TIC: BM046292.D\data.ms

(24) Benzo(b)fluoranthene

22.469min (-0.026) 22.06 ng/u1 m

response 629726

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.91
125.00	20.10	11.13
0.00	0.00	0.00

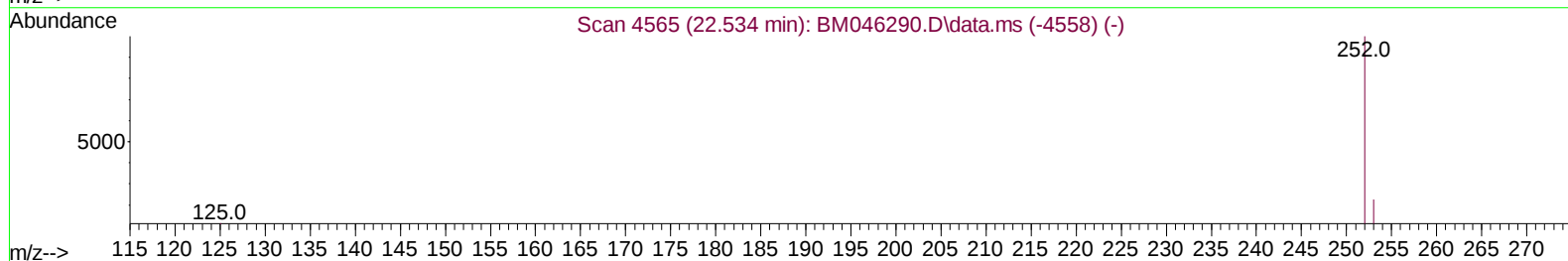
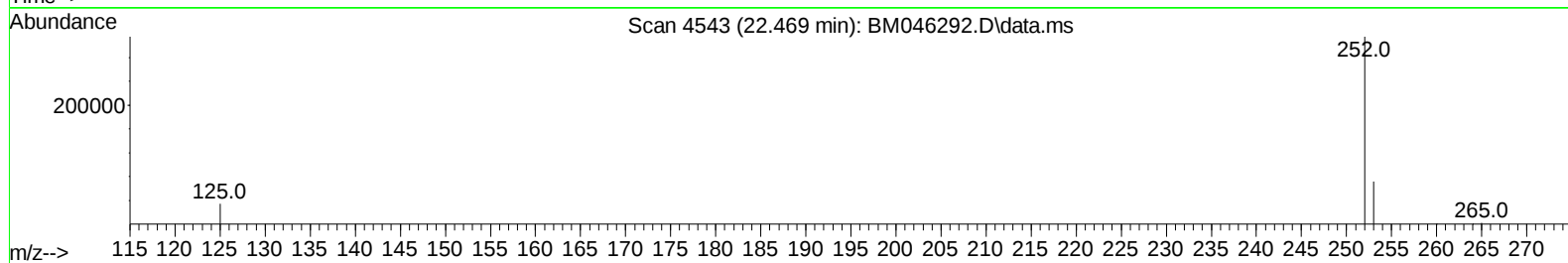
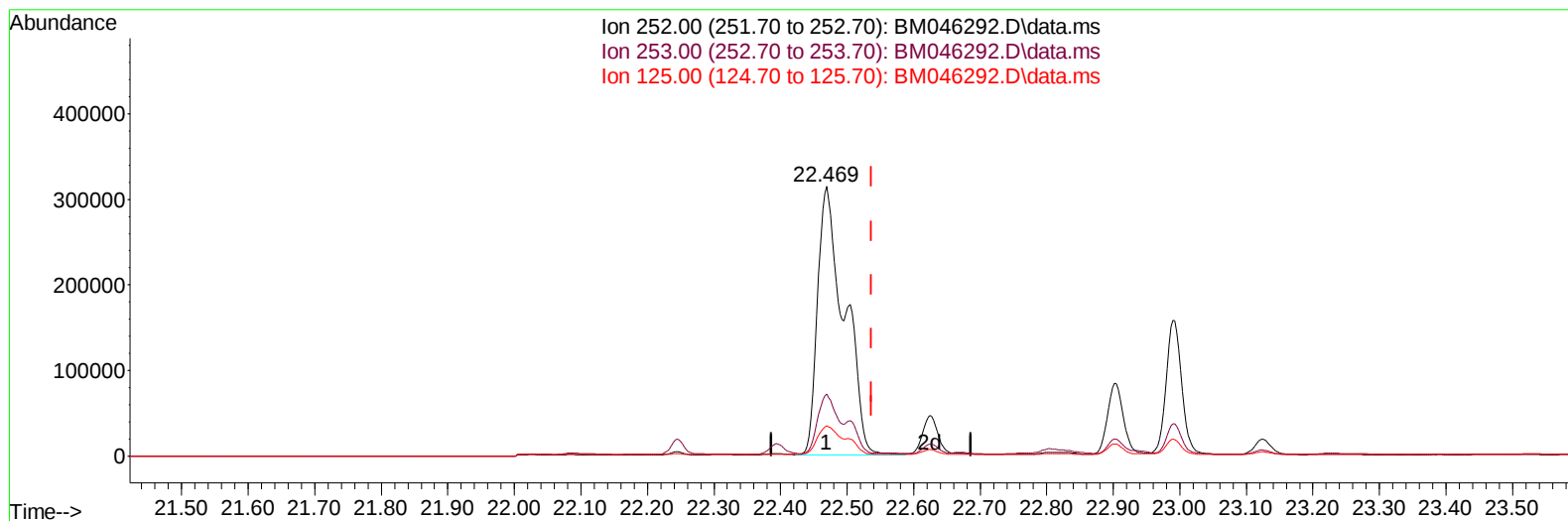
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

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TIC: BM046292.D\data.ms

(25) Benzo(k)fluoranthene

22.469min (-0.067) 25.68 ng/u1

response 871508

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	22.91#
125.00	20.80	11.13#
0.00	0.00	0.00

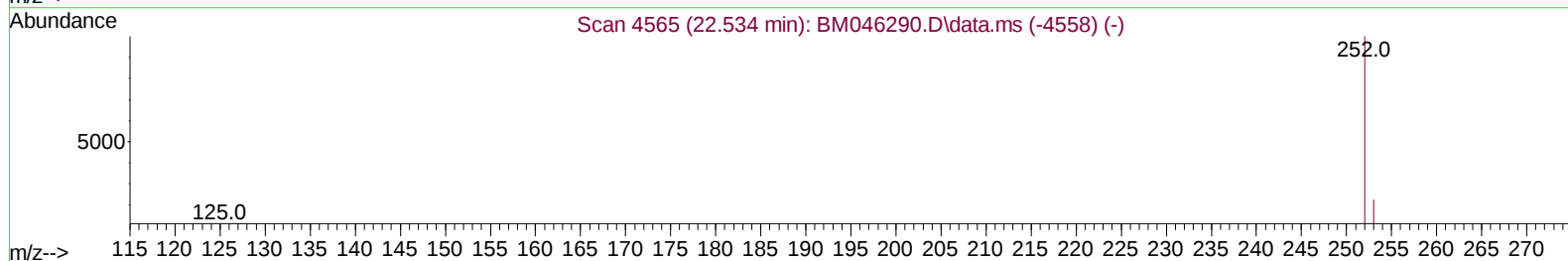
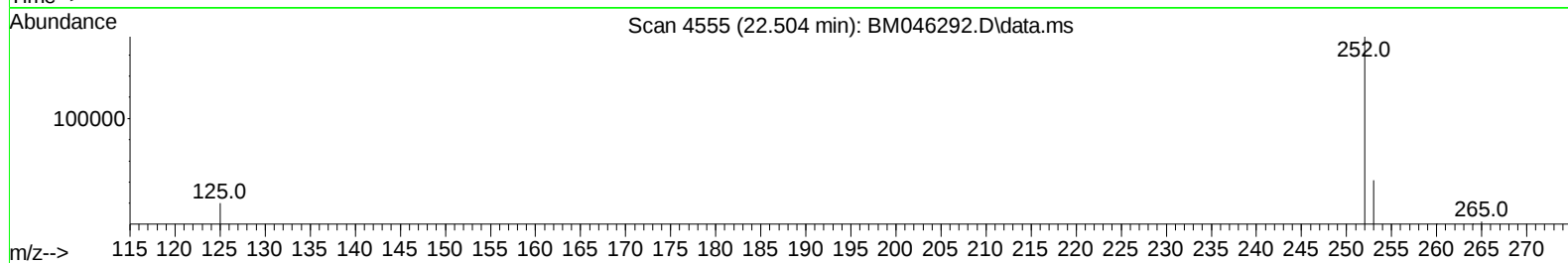
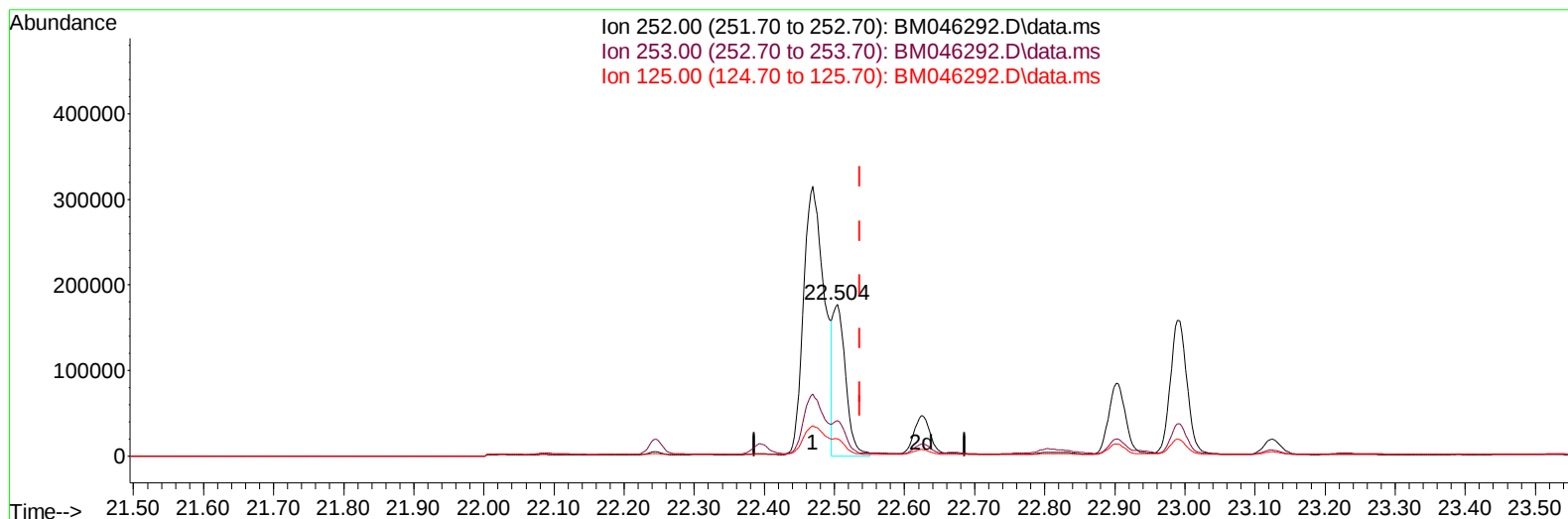
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 16:26:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



TIC: BM046292.D\data.ms

(25) Benzo(k)fluoranthene

22.504min (-0.032) 6.52 ng/u1 m

response 221124

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	23.48#
125.00	20.80	11.31#
0.00	0.00	0.00

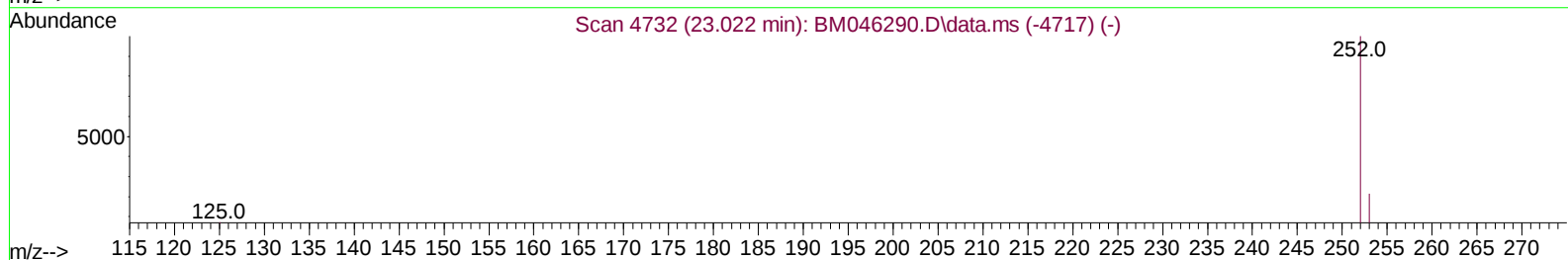
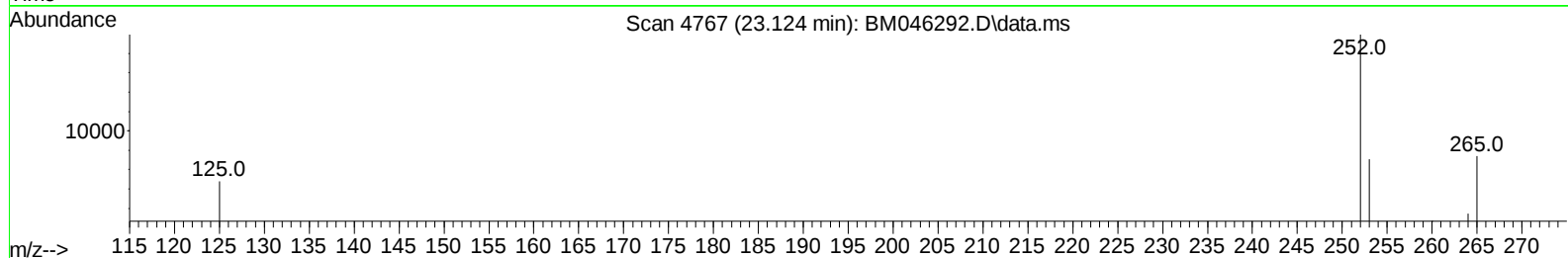
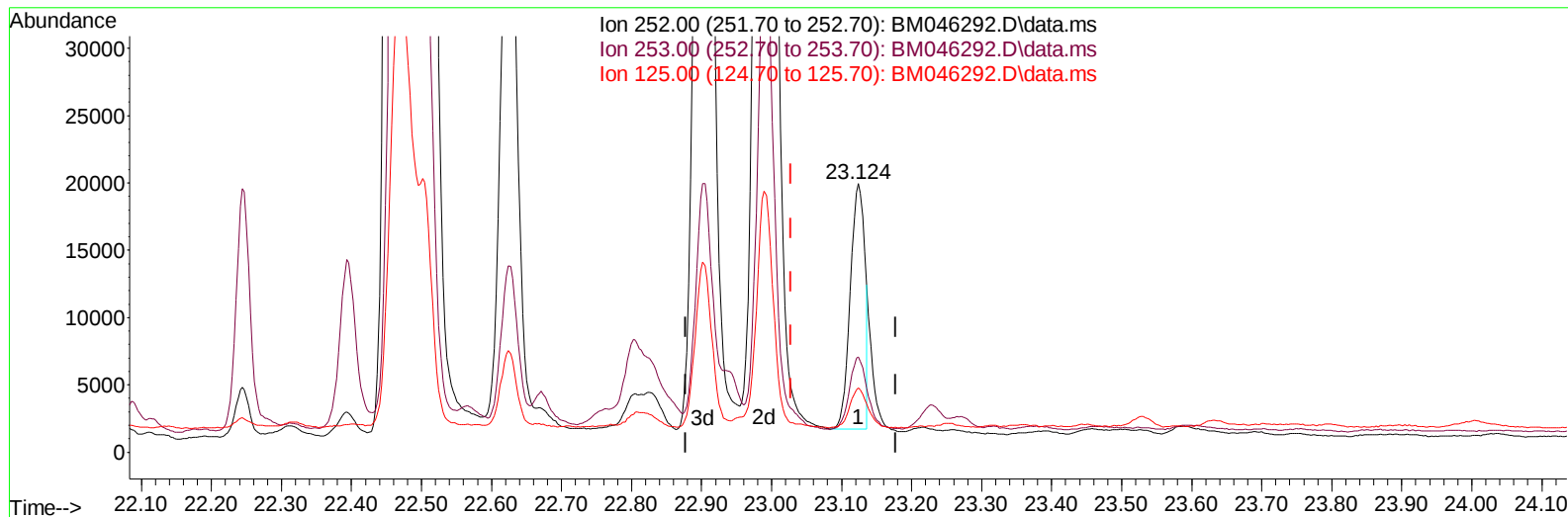
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

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TIC: BM046292.D\data.ms

(26) Benzo(a)pyrene (C)

23.124min (+ 0.096) 0.99 ng/u1

response 26255

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	35.46
125.00	26.50	23.98
0.00	0.00	0.00

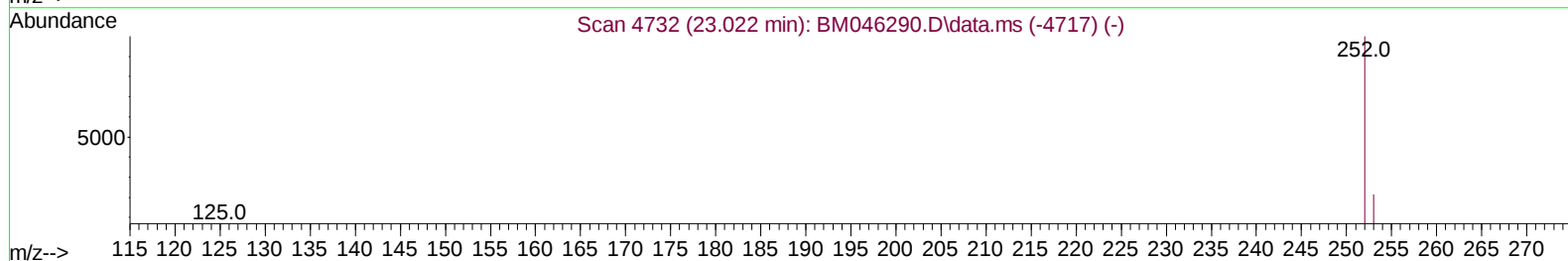
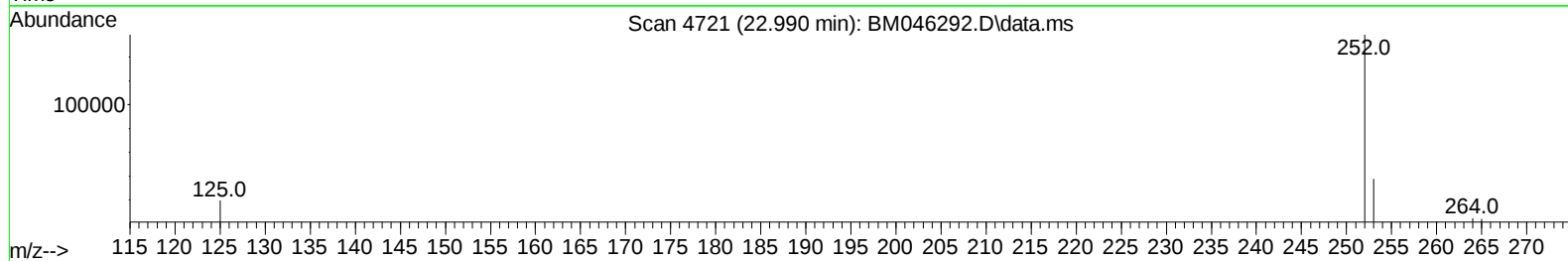
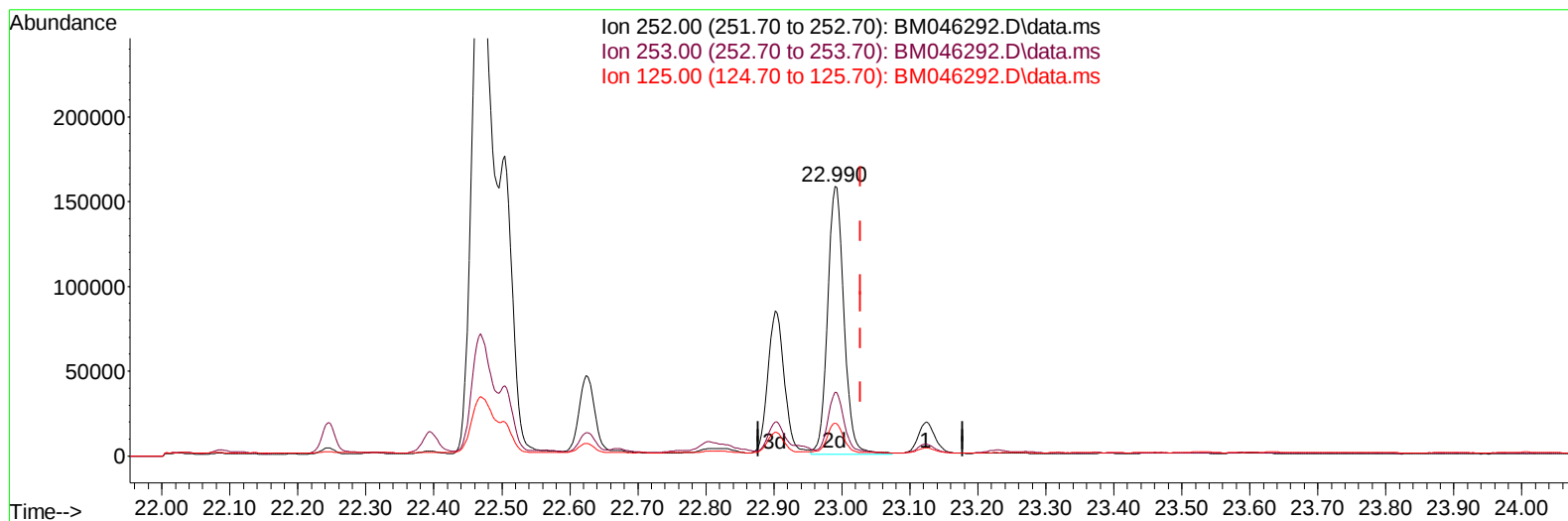
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
Data File : BM046292.D
Acq On : 25 Jun 2024 15:25
Operator : MA/JU
Sample : P2844-12
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C64

Manual IntegrationsAPPROVED

Quant Time: Jun 25 16:26:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 08:04:59 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



TIC: BM046292.D\data.ms

(26) Benzo(a)pyrene (C)

22.990min (-0.038) 10.02 ng/ul m

response 265076

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	40.10	23.64#
125.00	26.50	12.21#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062424\
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.396	152		2233	0.400	ng/ul	-0.06
4) Naphthalene-d8	10.167	136		6687	0.400	ng/ul	-0.09
9) Acenaphthene-d10	14.044	164		3717	0.400	ng/ul	-0.05
13) Phenanthrene-d10	16.787	188		8633m	0.400	ng/ul	-0.07
17) Chrysene-d12	20.991	240		6152m	0.400	ng/ul	-0.04
23) Perylene-d12	23.080	264		7923	0.400	ng/ul	-0.03
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.016	96		9854	3.216	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.778	152		2345	0.261	ng/ul	-0.09
18) Fluoranthene-d10	18.821	212		6016	0.327	ng/ul	-0.05
Target Compounds							
							Qvalue
5) Naphthalene	10.216	128		7545	0.405	ng/ul	97
7) 2-Methylnaphthalene	11.855	142		2546	0.243	ng/ul	98
8) 1-Methylnaphthalene	12.069	142		2526	0.219	ng/ul	97
10) Acenaphthylene	13.762	152		20192	1.145	ng/ul	98
11) Acenaphthene	14.104	153		15711	1.234	ng/ul	99
12) Fluorene	15.099	166		23655	1.732	ng/ul	99
15) Phenanthrene	16.829	178		606725m	25.015	ng/ul	
16) Anthracene	16.922	178		110994m	6.145	ng/ul	
19) Fluoranthene	18.853	202		1235393	46.379	ng/ul	96
20) Pyrene	19.216	202		835863	29.016	ng/ul	96
21) Benzo(a)anthracene	20.976	228		464604	19.552	ng/ul	99
22) Chrysene	21.029	228		471904	15.561	ng/ul	98
24) Benzo(b)fluoranthene	22.469	252		629726m	22.061	ng/ul	
25) Benzo(k)fluoranthene	22.504	252		221124m	6.516	ng/ul	
26) Benzo(a)pyrene	22.990	252		265076m	10.022	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.118	276		244958	5.659	ng/ul#	95
28) Dibenzo(a,h)anthracene	25.121	278		73081	2.268	ng/ul	93
29) Benzo(g,h,i)perylene	25.738	276		37321	1.005	ng/ul	96

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

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