

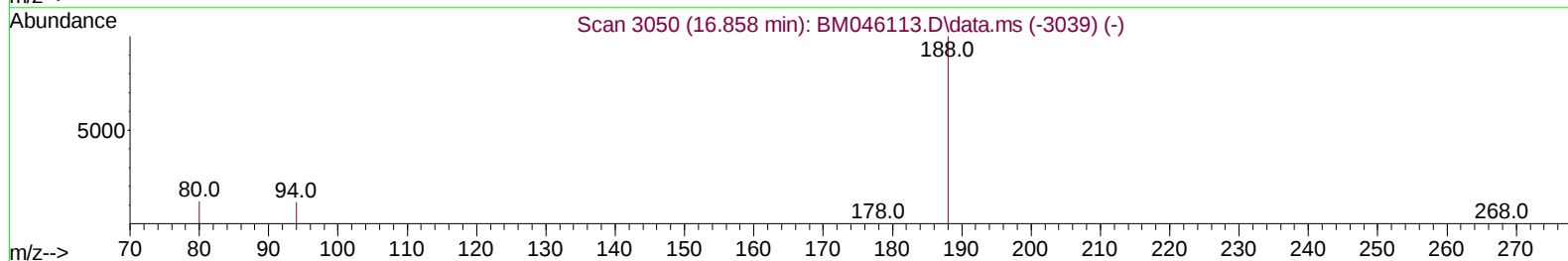
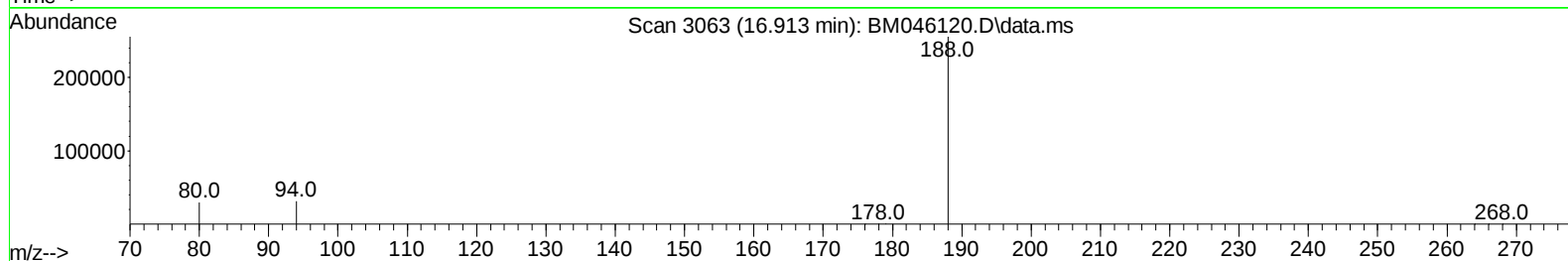
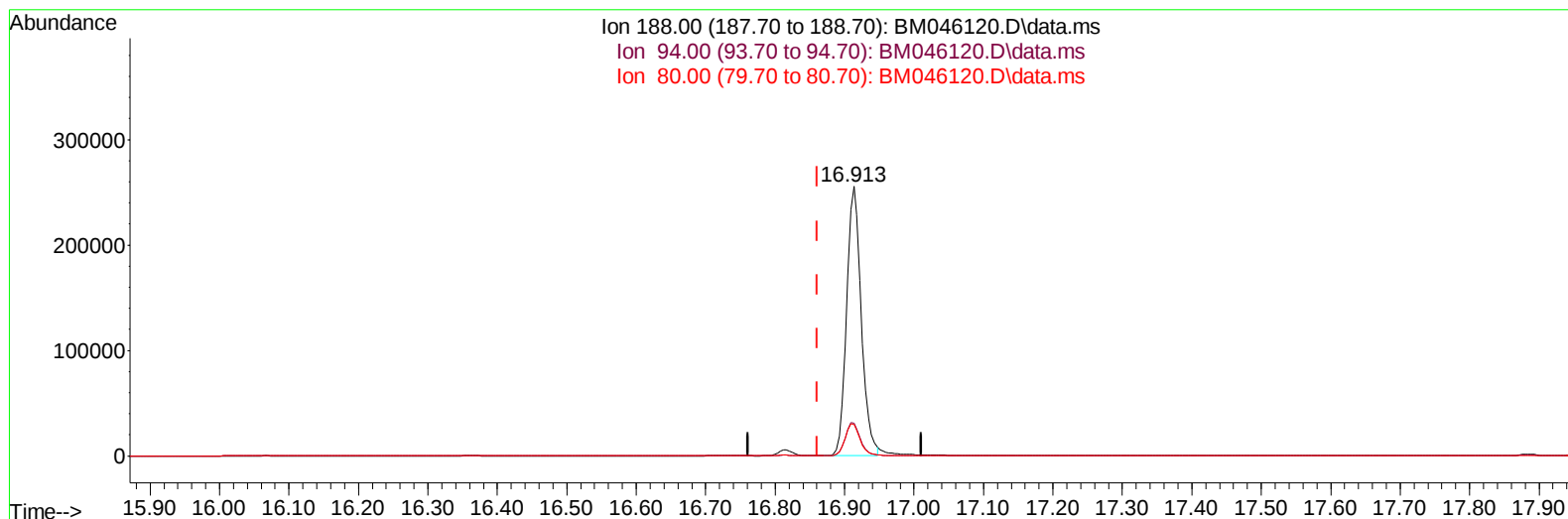
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 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 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046120.D\data.ms

(13) Phenanthrene-d10 (I)

16.913min (+ 0.052) 0.40 ng/u1

response 374244

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.28
80.00	15.20	11.71#
0.00	0.00	0.00

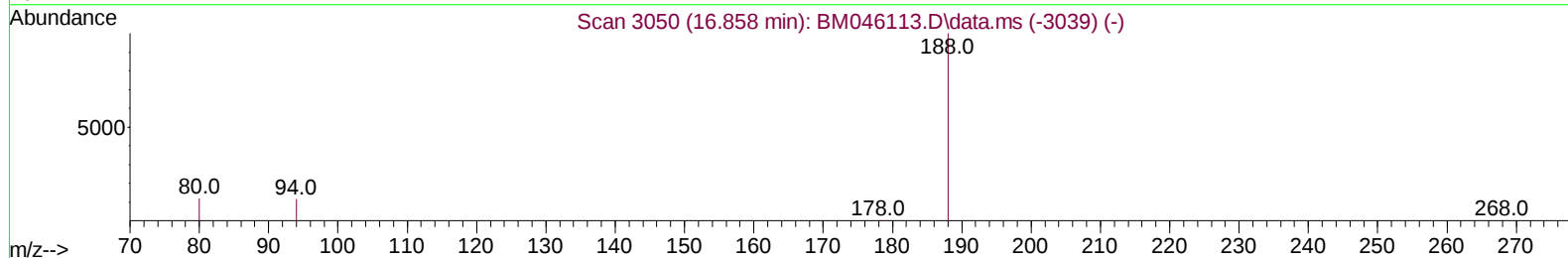
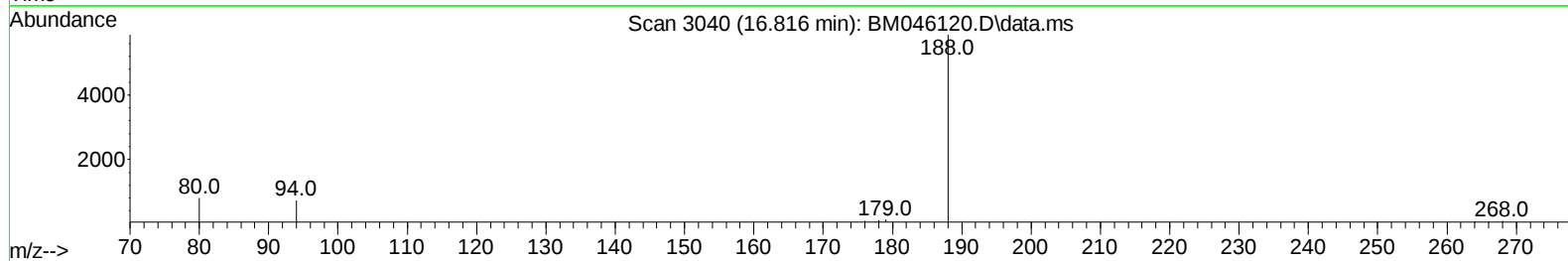
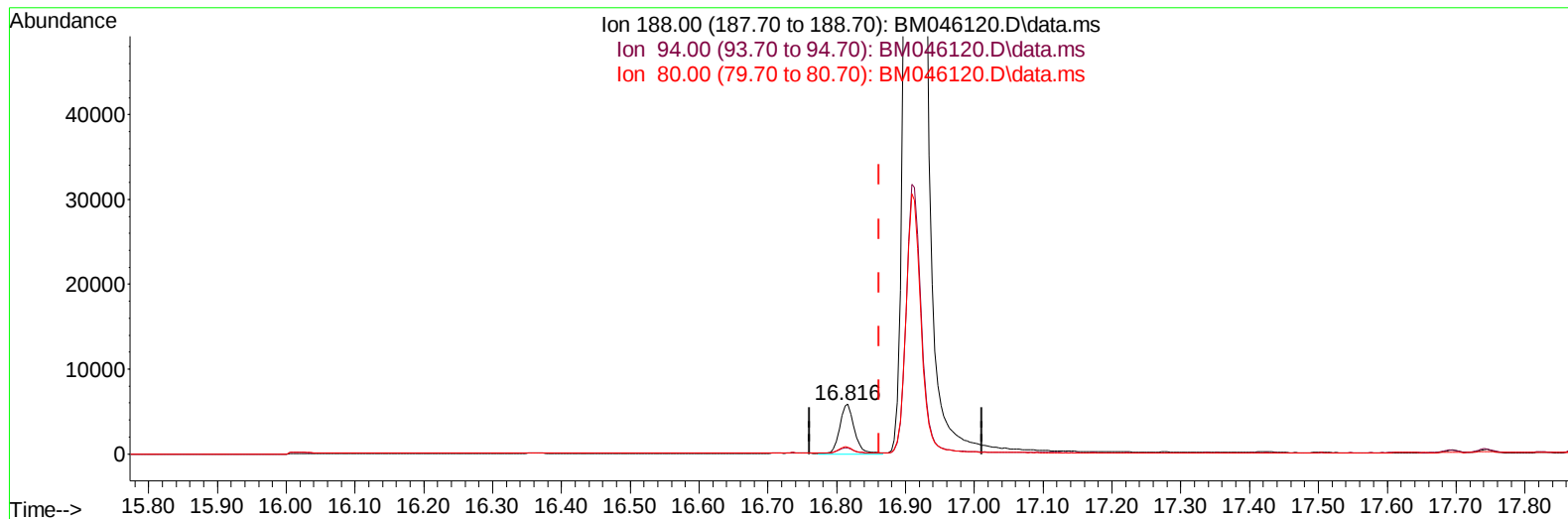
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

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TIC: BM046120.D\data.ms

(13) Phenanthrene-d10 (I)

16.816min (-0.045) 0.40 ng/u1 m

response 8762

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	13.80	12.37
80.00	15.20	13.63
0.00	0.00	0.00

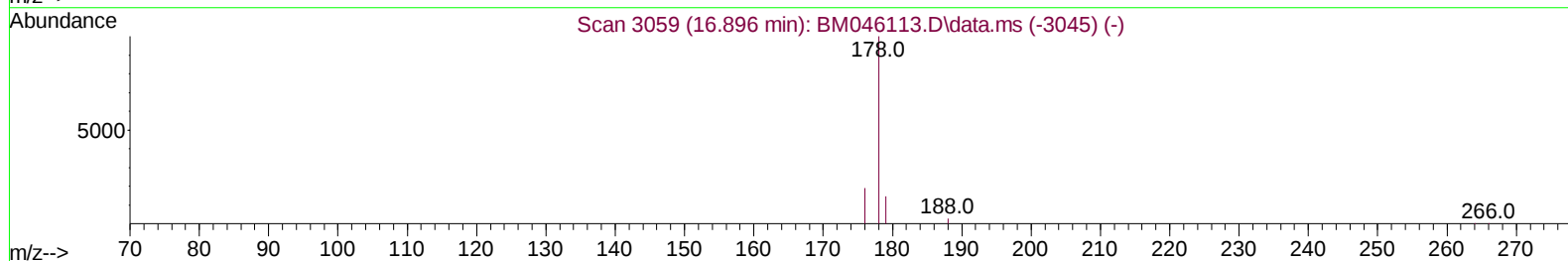
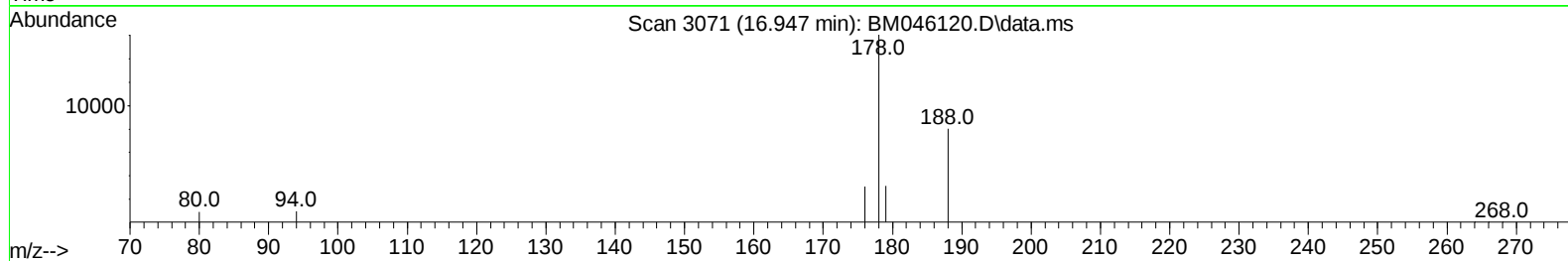
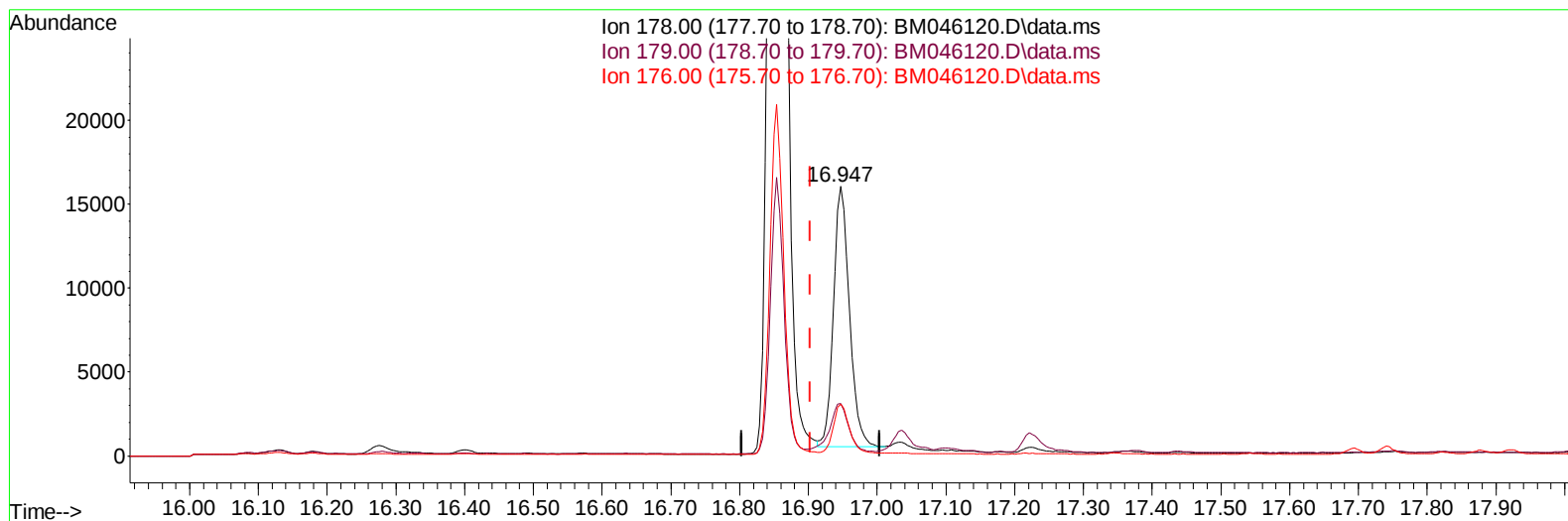
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
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TIC: BM046120.D\data.ms

(15) Phenanthrene

16.947min (+ 0.044) 1.01 ng/u1

response 24888

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	19.44
176.00	21.40	19.14
0.00	0.00	0.00

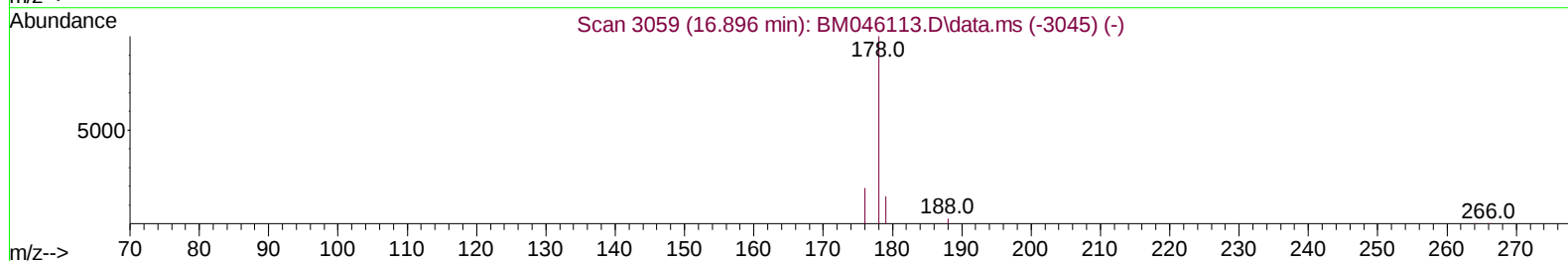
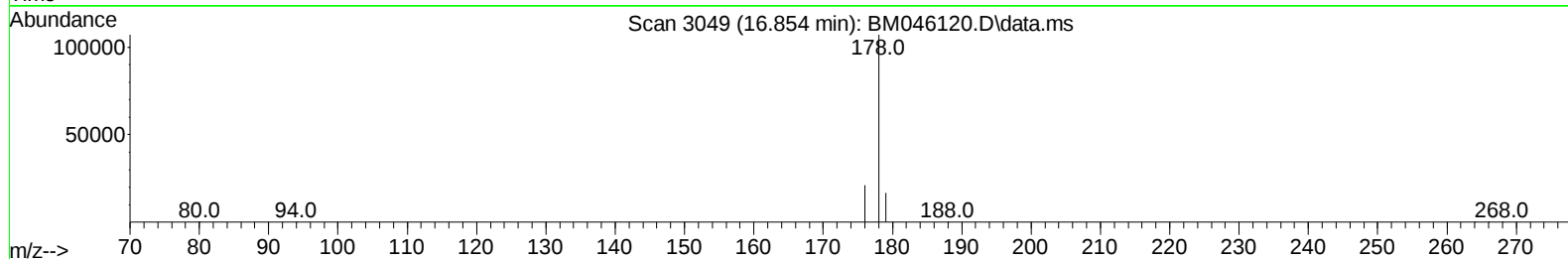
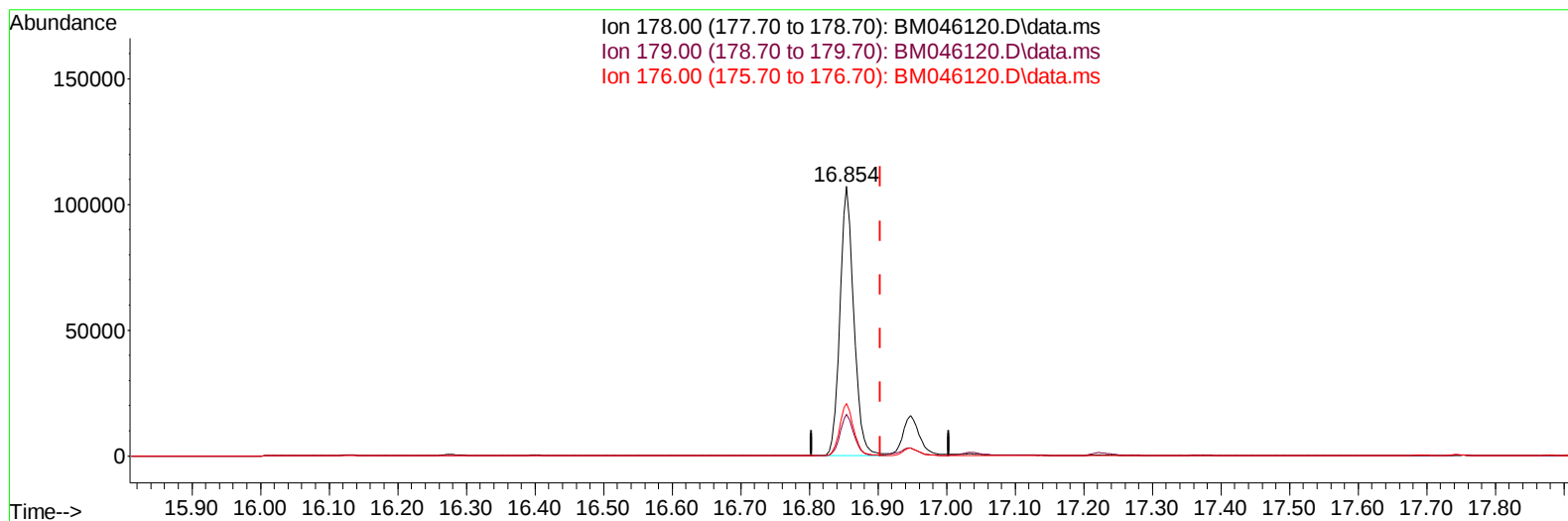
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
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TIC: BM046120.D\data.ms

(15) Phenanthrene

16.854min (-0.049) 6.14 ng/ul m

response 151138

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	17.70	15.48
176.00	21.40	19.57
0.00	0.00	0.00

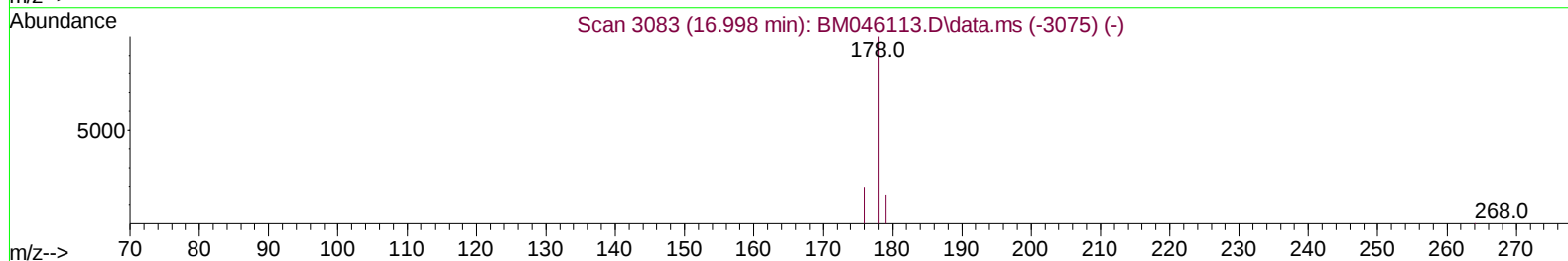
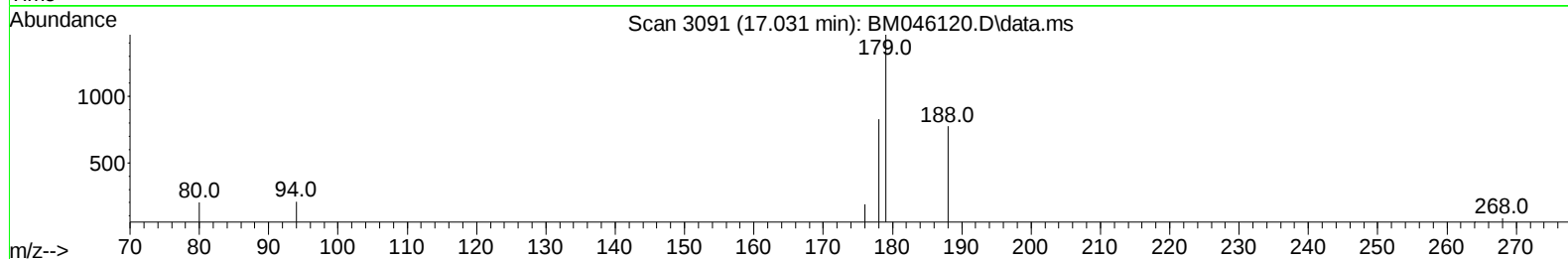
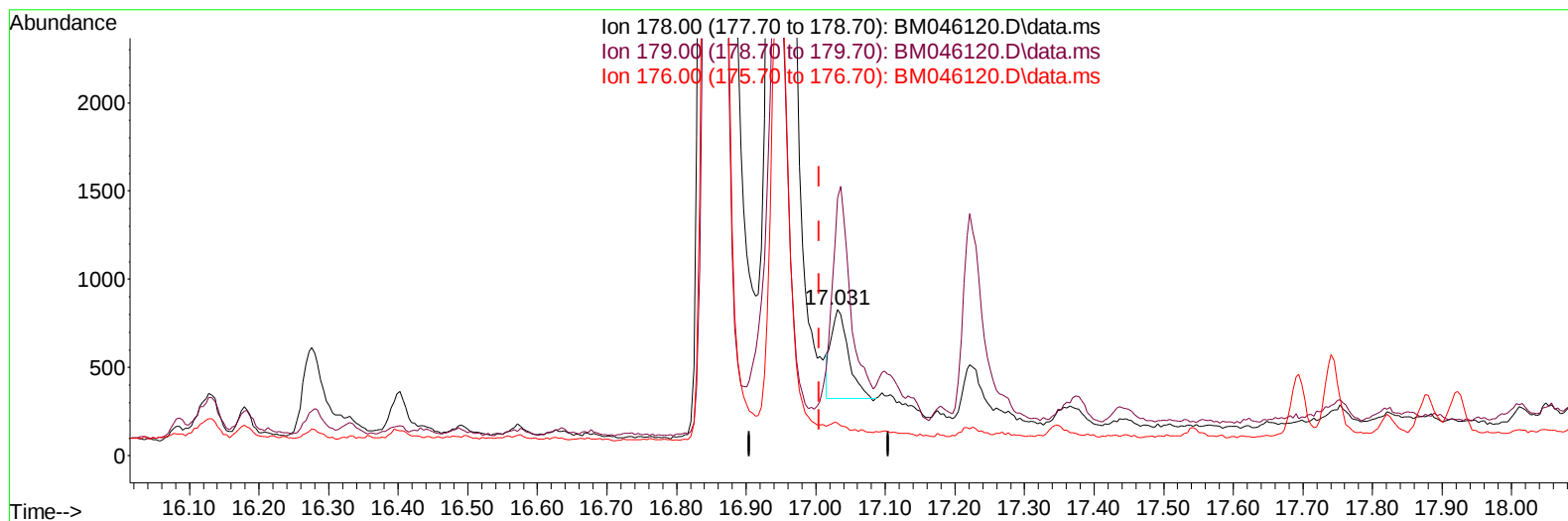
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

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TIC: BM046120.D\data.ms

(16) Anthracene

17.031min (+ 0.027) 0.05 ng/u1

response 884

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	176.27#
176.00	21.20	22.41
0.00	0.00	0.00

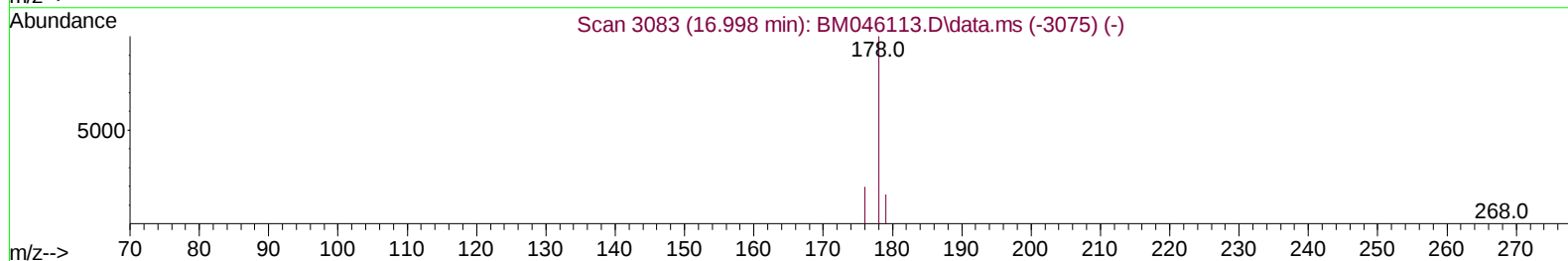
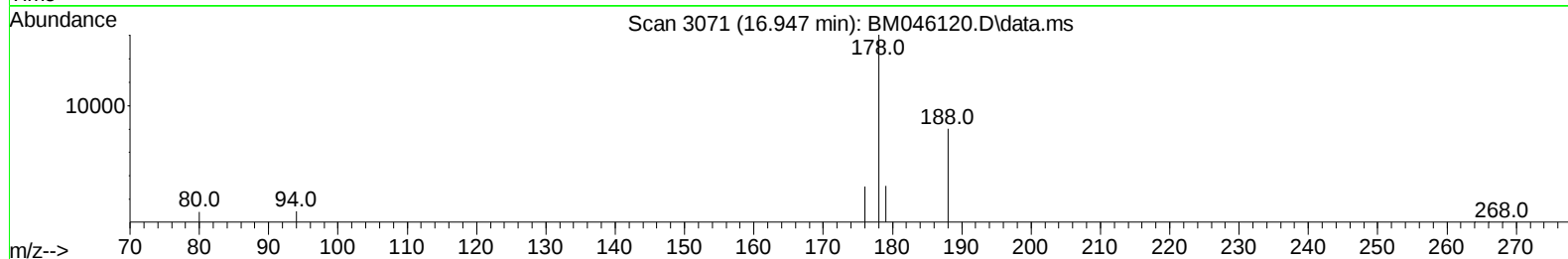
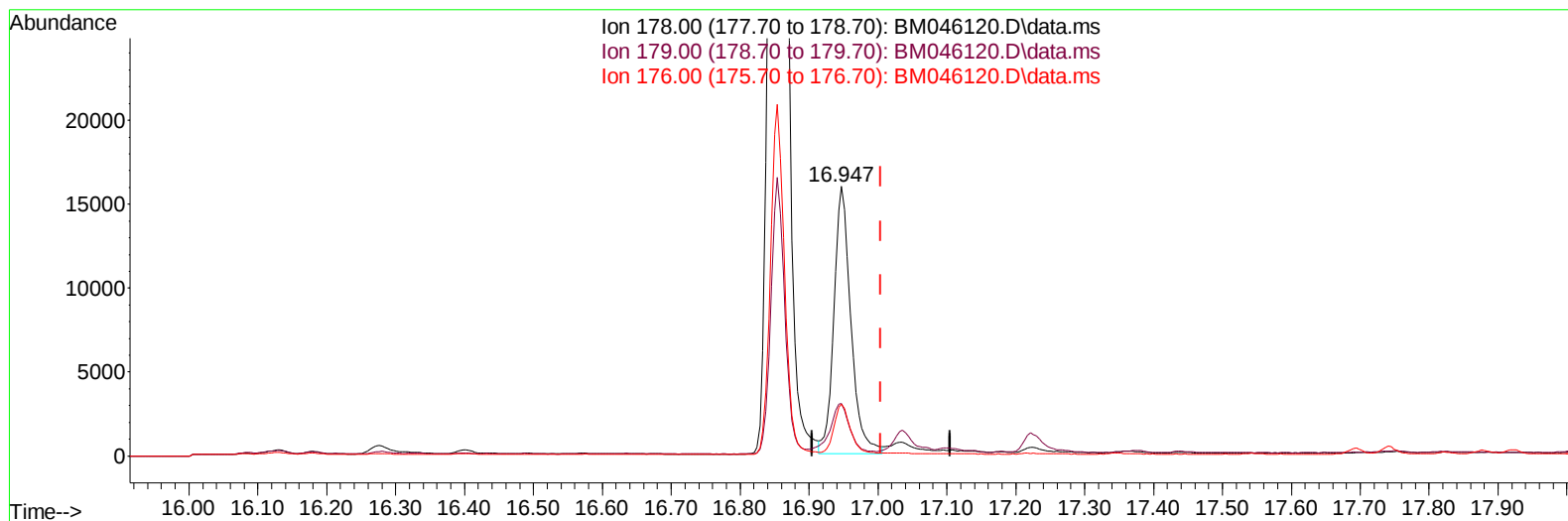
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046120.D\data.ms

(16) Anthracene

16.947min (-0.058) 1.48 ng/ul m

response 27175

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	18.60	19.44
176.00	21.20	19.14
0.00	0.00	0.00

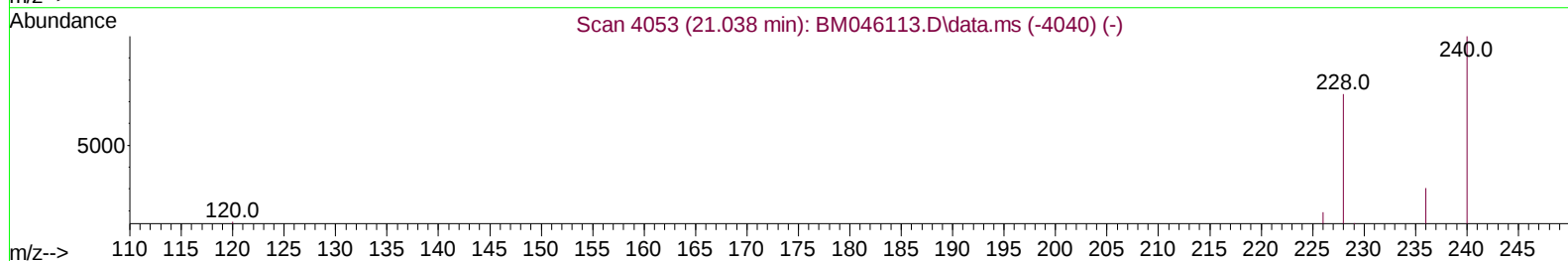
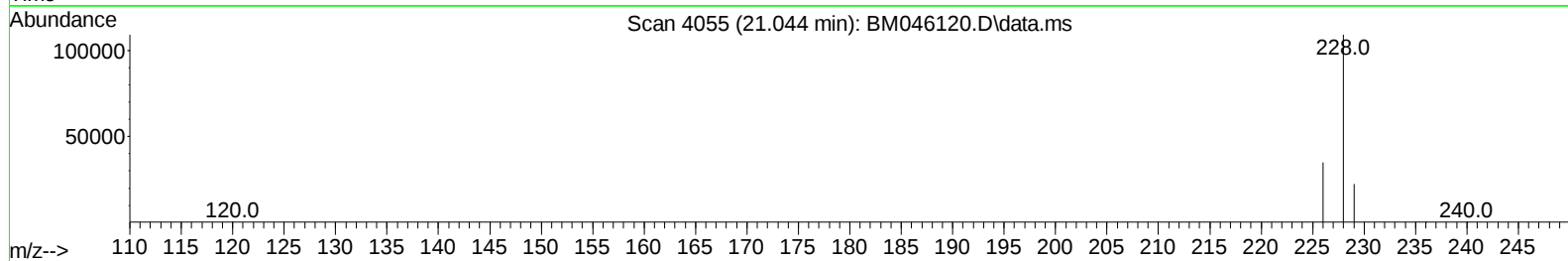
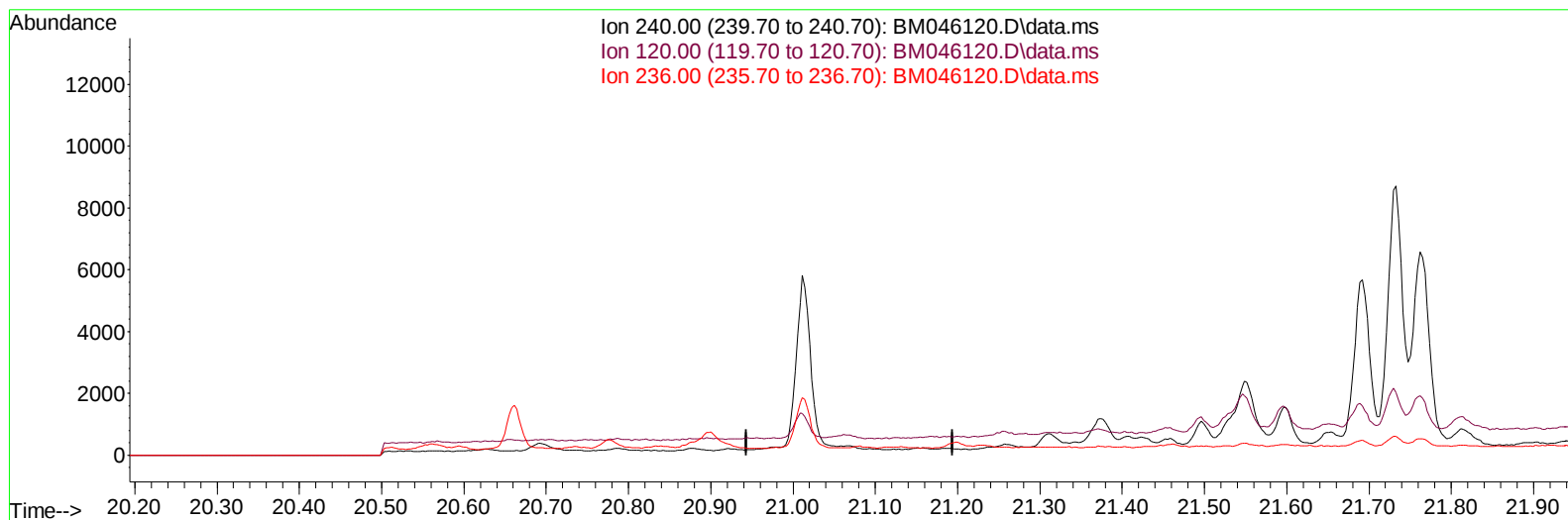
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046120.D\data.ms

(17) Chrysene-d12

21.044min (-21.044) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	23.50	0.00#
236.00	33.60	0.00#
0.00	0.00	0.00

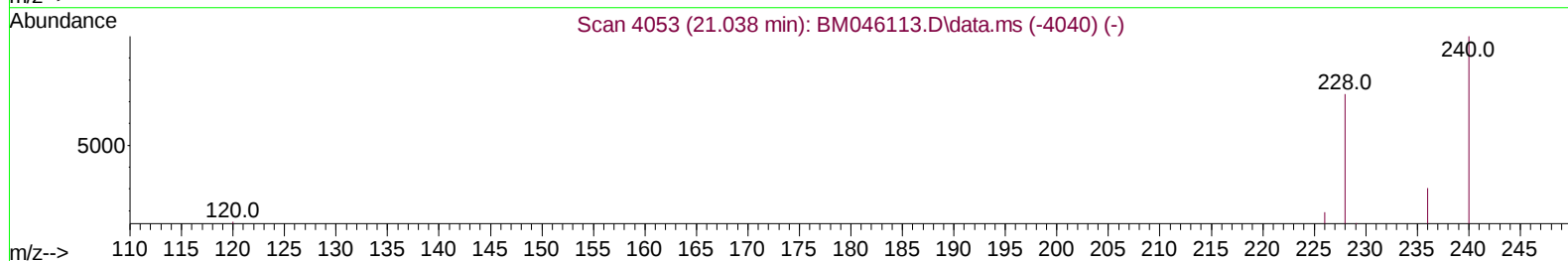
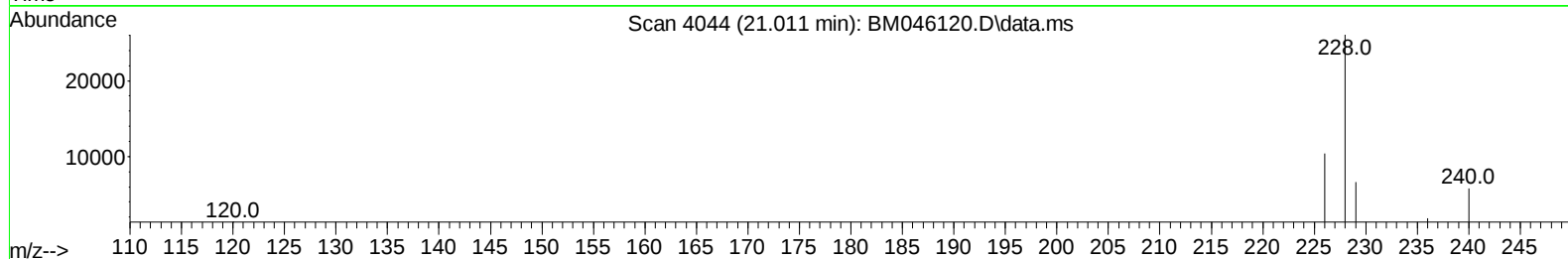
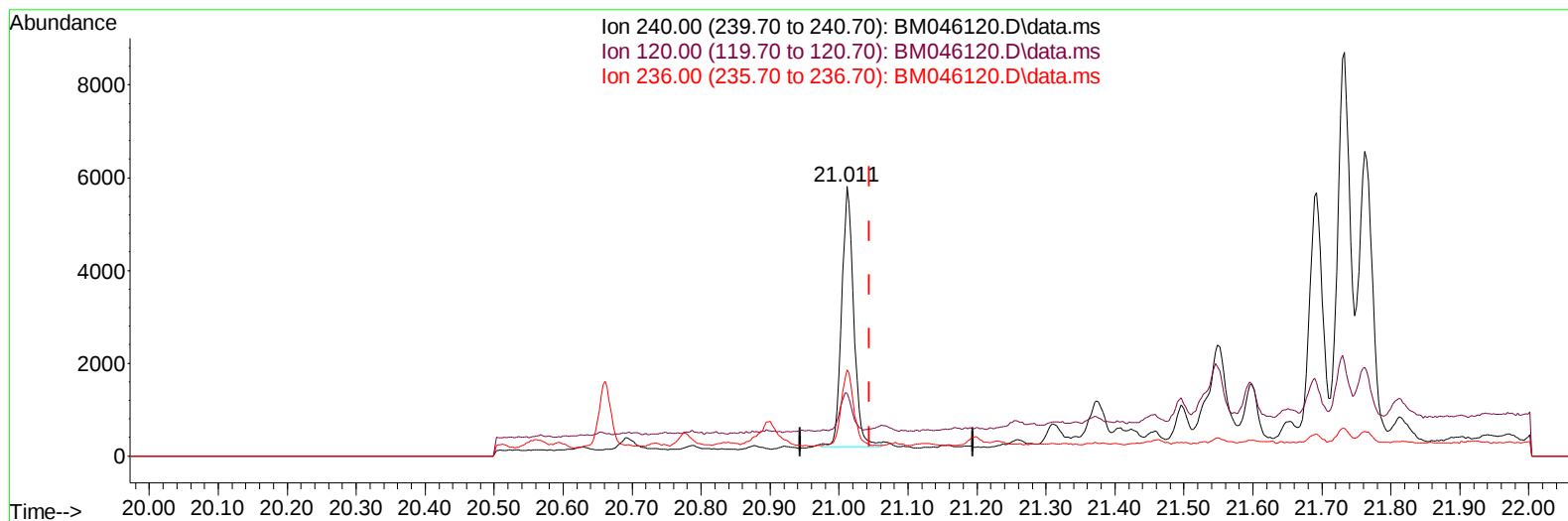
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 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 18 13:58:29 2024
Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/24/2024



TIC: BM046120.D\data.ms

(17) Chrysene-d12

21.011min (-0.033) 0.40 ng/u1 m

response 6828

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	23.50	23.30
236.00	33.60	31.98
0.00	0.00	0.00

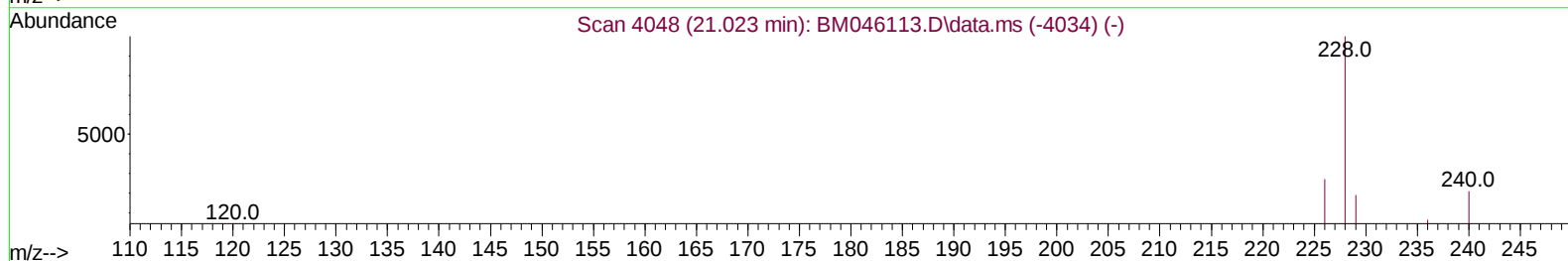
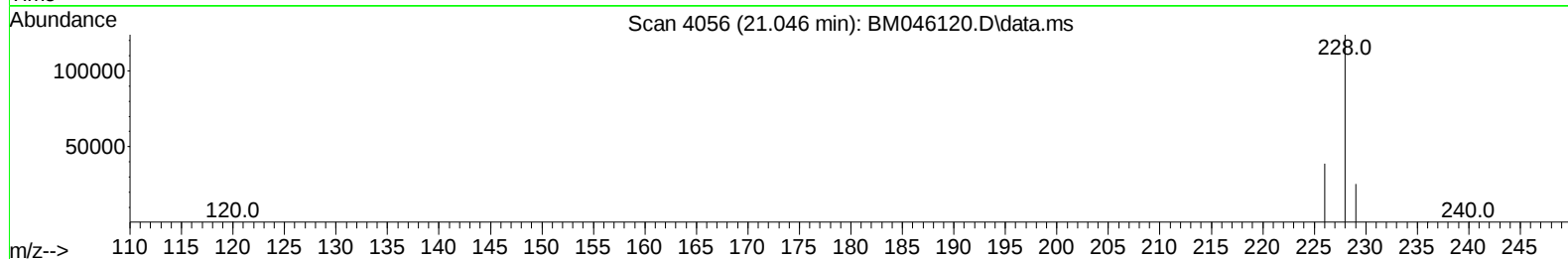
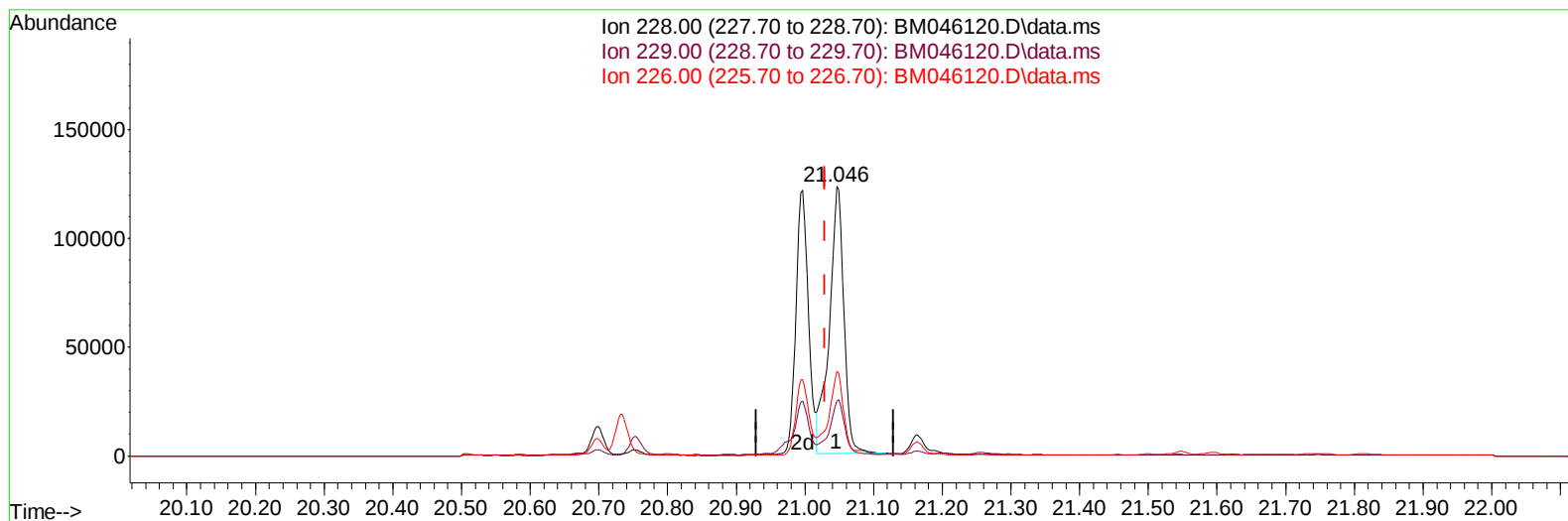
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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TIC: BM046120.D\data.ms

(21) Benzo(a)anthracene

21.046min (+ 0.017) 6.85 ng/u1

response 180716

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.47
226.00	29.30	31.39
0.00	0.00	0.00

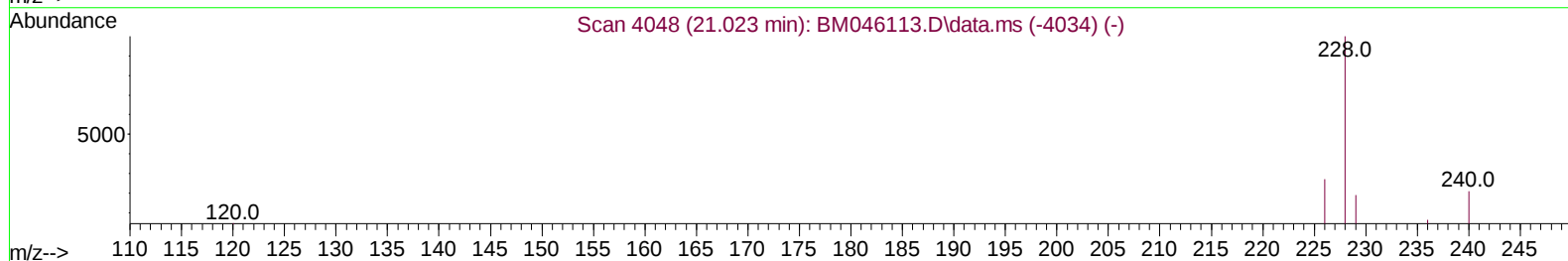
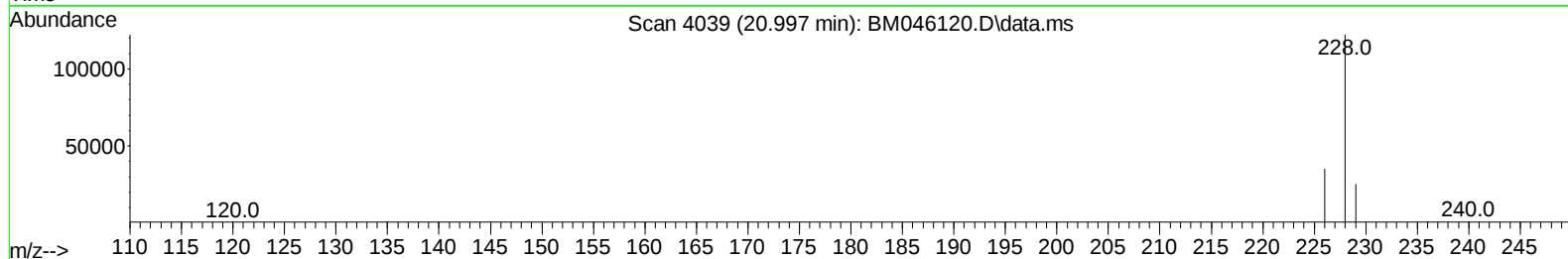
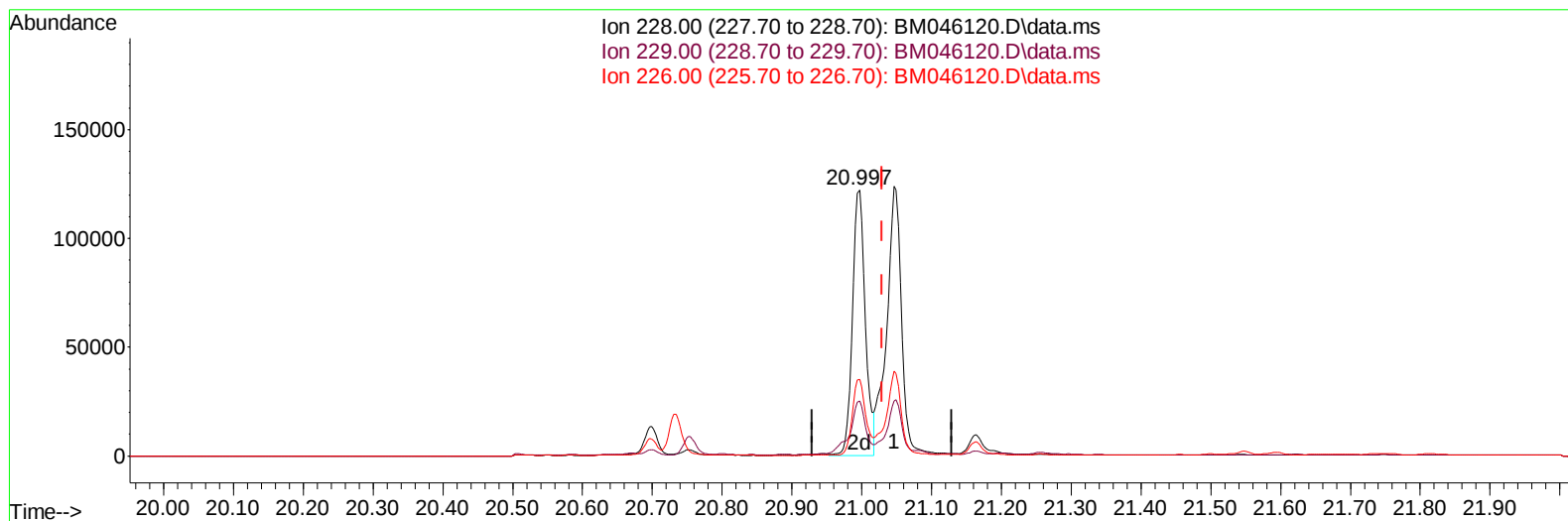
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
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TIC: BM046120.D\data.ms

(21) Benzo(a)anthracene

20.997min (-0.033) 5.98 ng/u1 m

response 157773

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	20.50	20.63
226.00	29.30	28.84
0.00	0.00	0.00

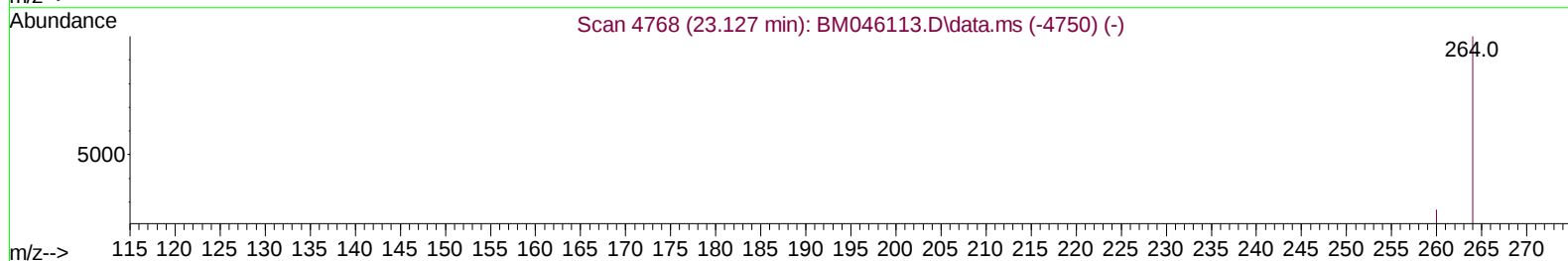
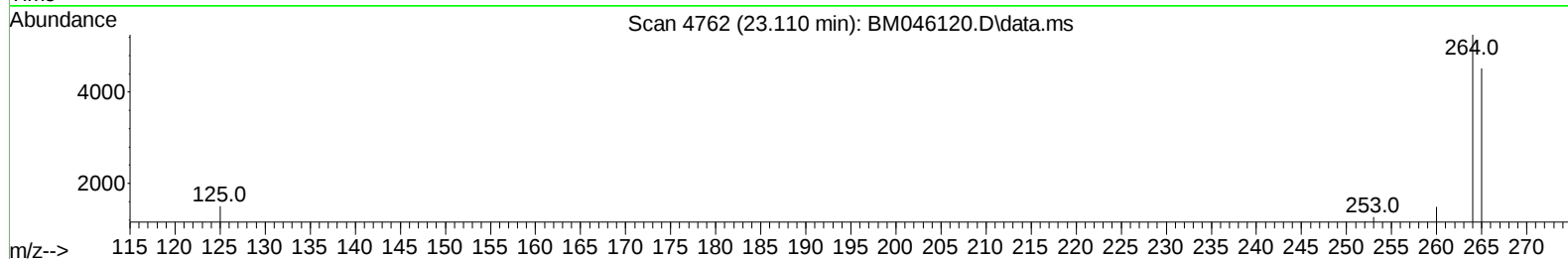
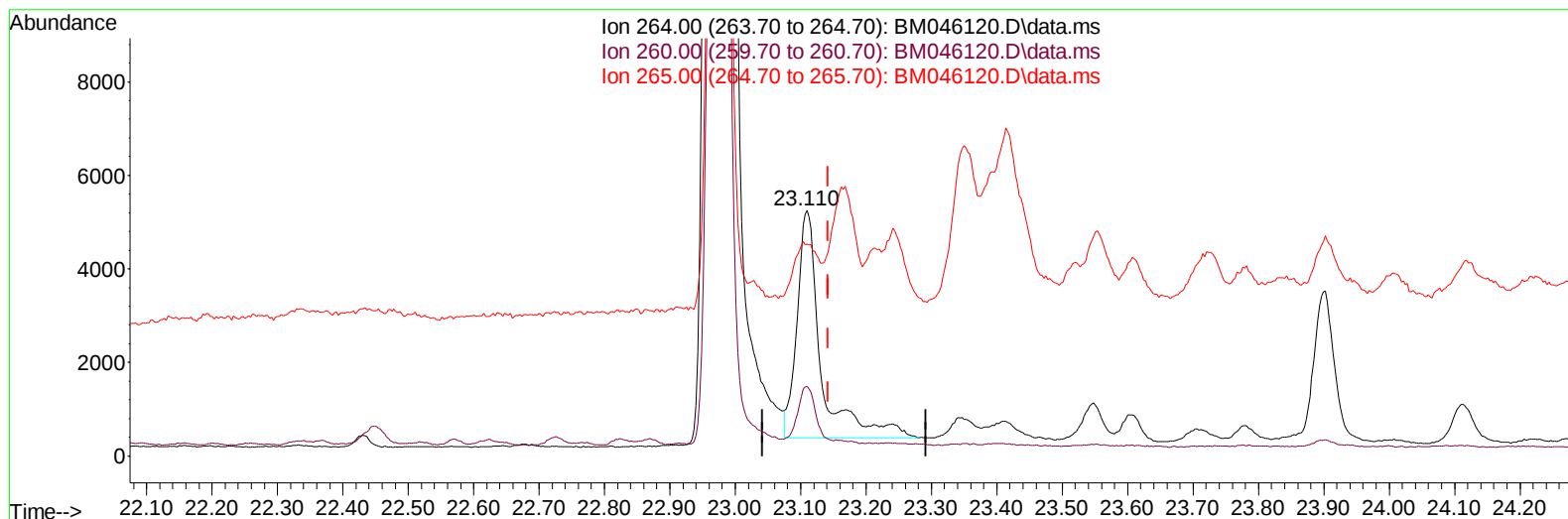
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

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TIC: BM046120.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.033) 0.40 ng/u1

response 12424

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.44
265.00	110.60	86.08#
0.00	0.00	0.00

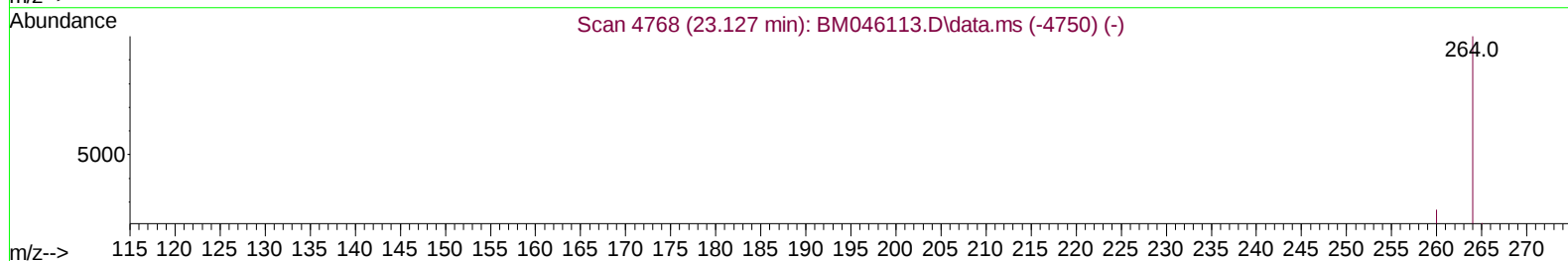
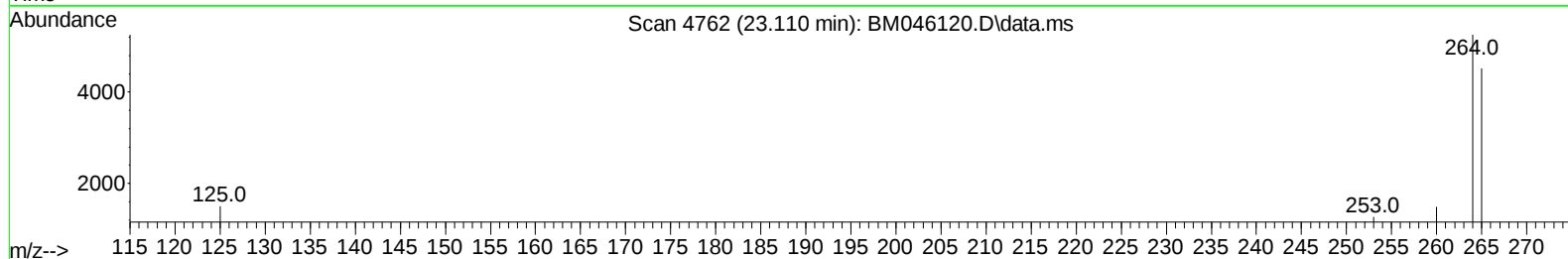
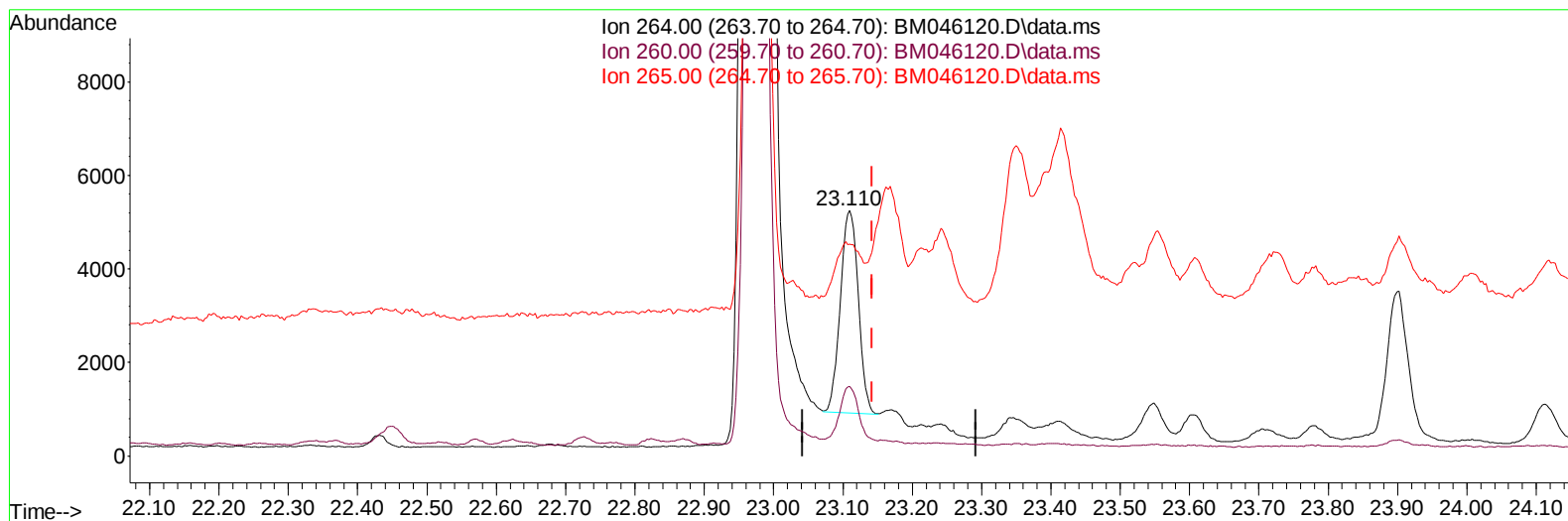
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

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TIC: BM046120.D\data.ms

(23) Perylene-d12 (I)

23.110min (-0.033) 0.40 ng/ul m

response 7770

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	28.20	28.44
265.00	110.60	86.08#
0.00	0.00	0.00

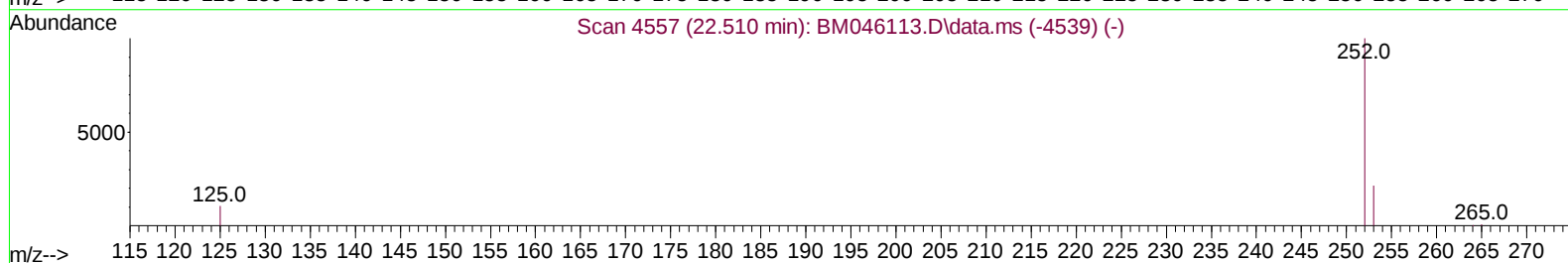
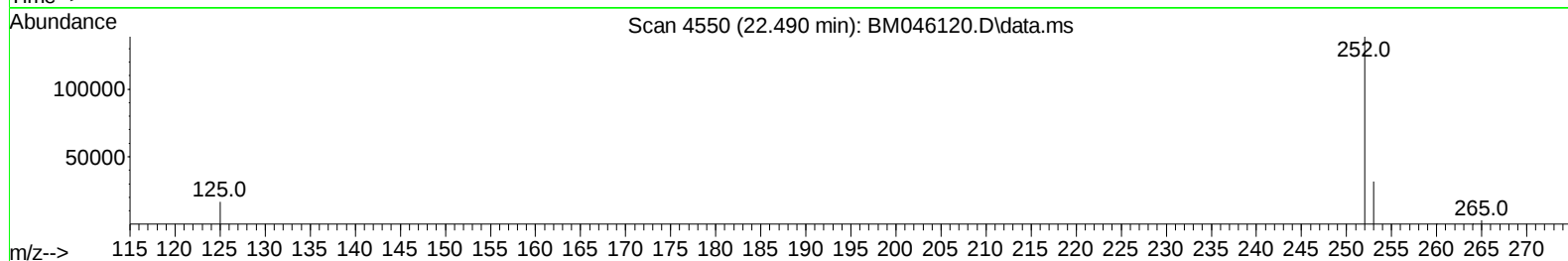
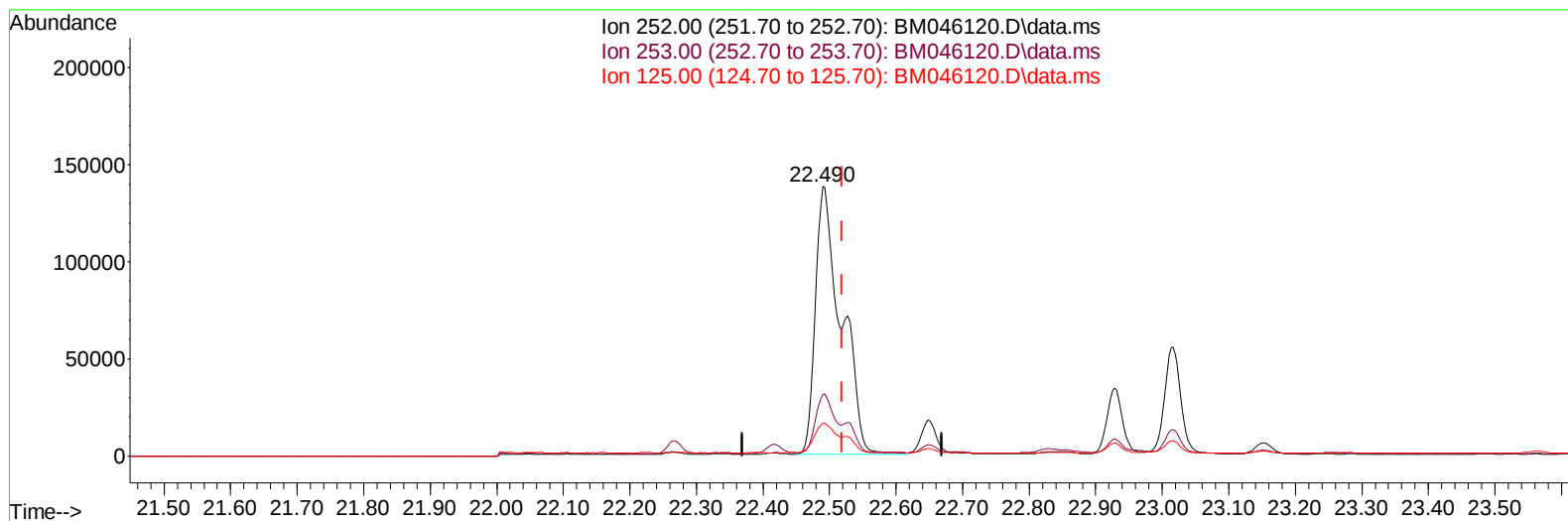
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

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TIC: BM046120.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 13.16 ng/u1

response 368486

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.98
125.00	20.10	12.10
0.00	0.00	0.00

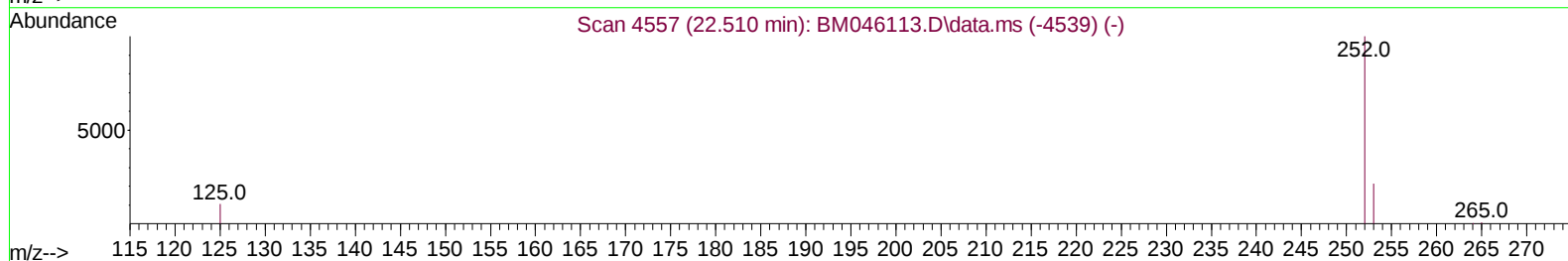
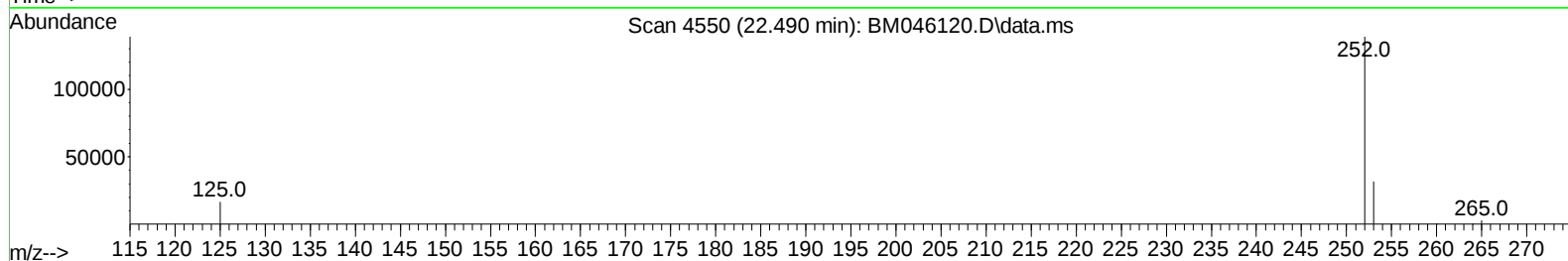
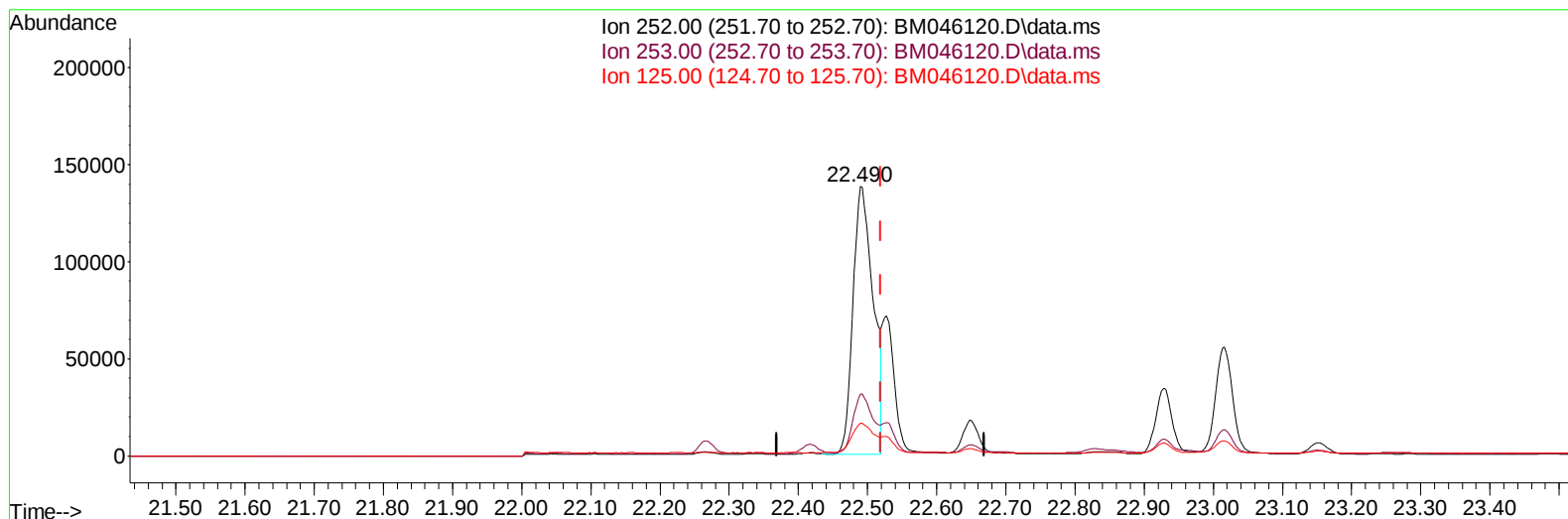
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 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 18 13:58:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/21/2024
Supervised By :mohammad ahmed 06/24/2024



TIC: BM046120.D\data.ms

(24) Benzo(b)fluoranthene

22.490min (-0.030) 9.99 ng/u1 m

response 279614

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	32.90	22.98
125.00	20.10	12.10
0.00	0.00	0.00

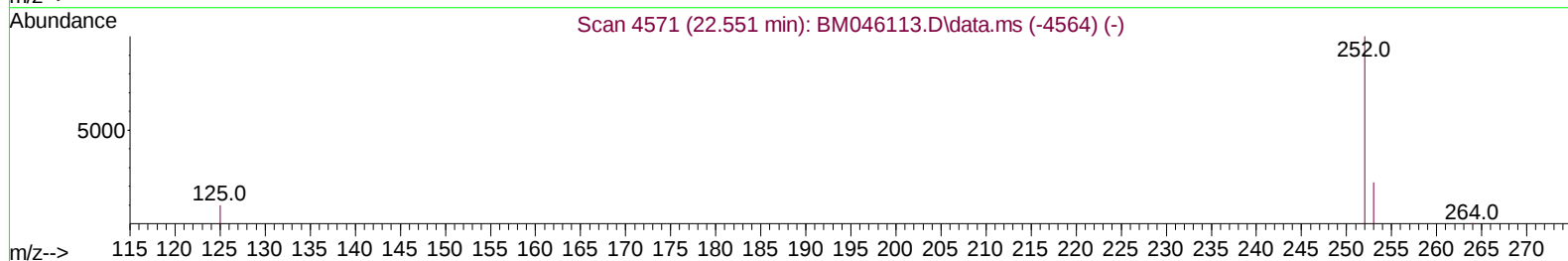
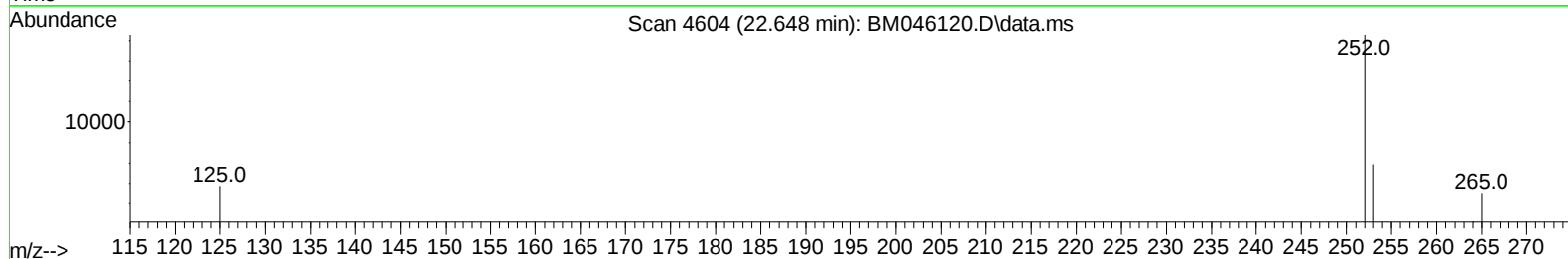
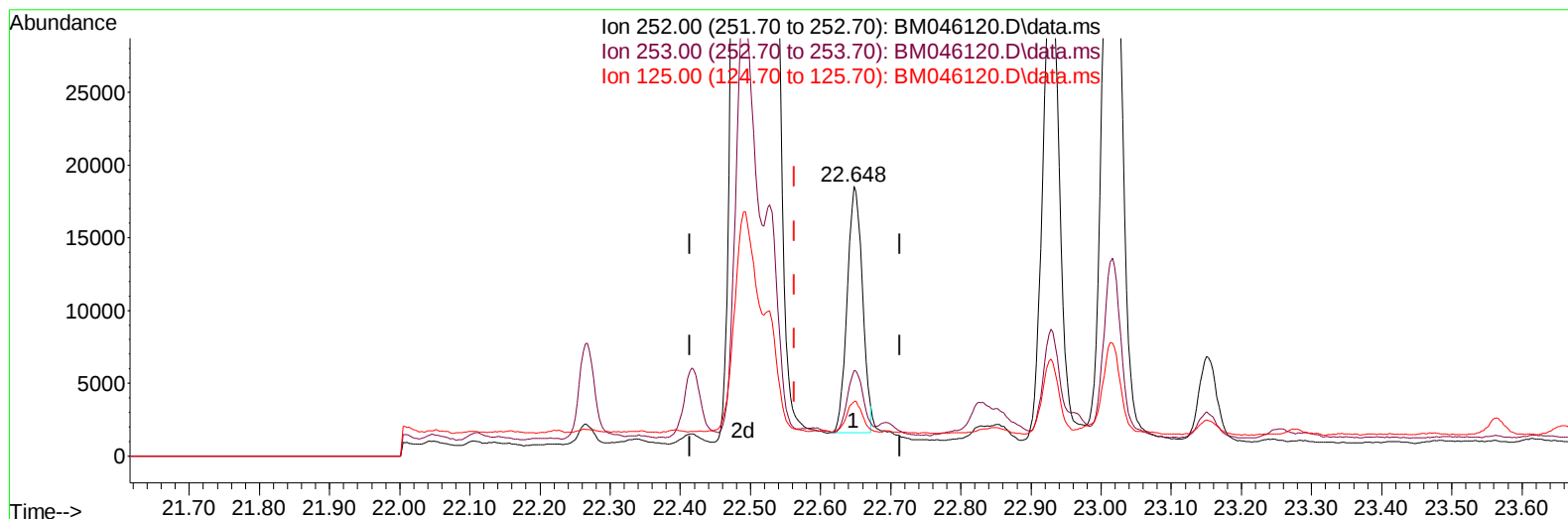
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
Data File : BM046120.D
Acq On : 20 Jun 2024 13:17
Operator : MA/JU
Sample : P2710-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
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TIC: BM046120.D\data.ms

(25) Benzo(k)fluoranthene

22.648min (+ 0.084) 0.76 ng/u1

response 25406

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	34.00	31.61
125.00	20.80	20.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062024\
 Data File : BM046120.D
 Acq On : 20 Jun 2024 13:17
 Operator : MA/JU
 Sample : P2710-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BL4

Manual IntegrationsAPPROVED

Quant Time: Jun 20 14:01:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM061824.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.426	152	2520	0.400	ng/ul	-0.04
4) Naphthalene-d8	10.200	136	7281	0.400	ng/ul	-0.05
9) Acenaphthene-d10	14.072	164	3968	0.400	ng/ul	-0.04
13) Phenanthrene-d10	16.816	188	8762m	0.400	ng/ul	-0.05
17) Chrysene-d12	21.011	240	6828m	0.400	ng/ul	-0.03
23) Perylene-d12	23.110	264	7770m	0.400	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.033	96	10262	2.968	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.822	152	2129	0.218	ng/ul	-0.04
18) Fluoranthene-d10	18.844	212	4919	0.241	ng/ul	-0.04
Target Compounds						
						Qvalue
5) Naphthalene	10.249	128	3731	0.184	ng/ul	99
7) 2-Methylnaphthalene	11.899	142	1186	0.104	ng/ul	96
8) 1-Methylnaphthalene	12.113	142	1026	0.082	ng/ul	100
10) Acenaphthylene	13.790	152	9338	0.496	ng/ul	99
11) Acenaphthene	14.137	153	5046	0.371	ng/ul	98
12) Fluorene	15.127	166	6000	0.412	ng/ul	97
15) Phenanthrene	16.854	178	151138m	6.140	ng/ul	
16) Anthracene	16.947	178	27175m	1.482	ng/ul	
19) Fluoranthene	18.877	202	377770	12.778	ng/ul	96
20) Pyrene	19.239	202	260710	8.154	ng/ul	96
21) Benzo(a)anthracene	20.997	228	157773m	5.982	ng/ul	
22) Chrysene	21.046	228	180845	5.373	ng/ul	100
24) Benzo(b)fluoranthene	22.490	252	279614m	9.988	ng/ul	
25) Benzo(k)fluoranthene	22.528	252	96629m	2.903	ng/ul	
26) Benzo(a)pyrene	23.016	252	94625	3.648	ng/ul#	75
27) Indeno(1,2,3-cd)pyrene	25.152	276	102124	2.406	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.155	278	31766	1.005	ng/ul	96
29) Benzo(g,h,i)perylene	25.775	276	14790	0.406	ng/ul	95

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

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