

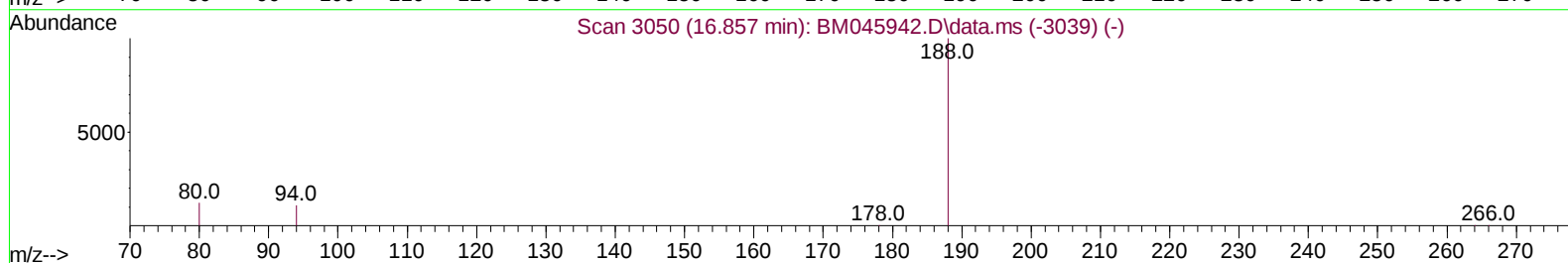
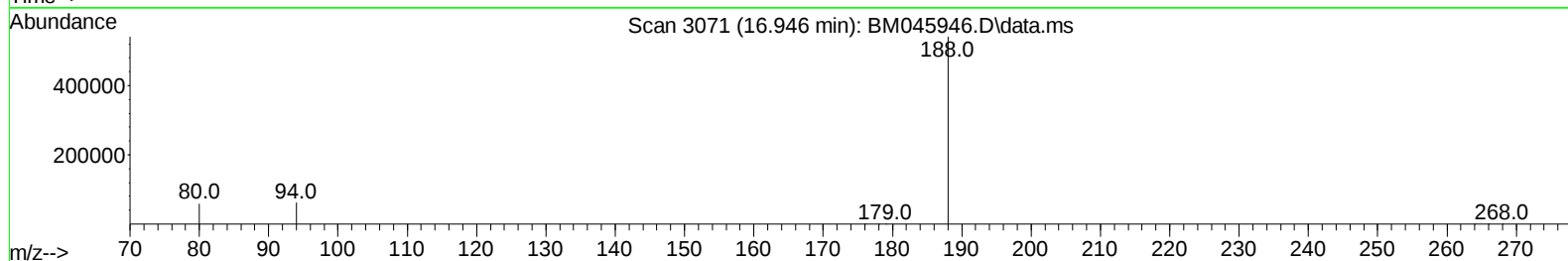
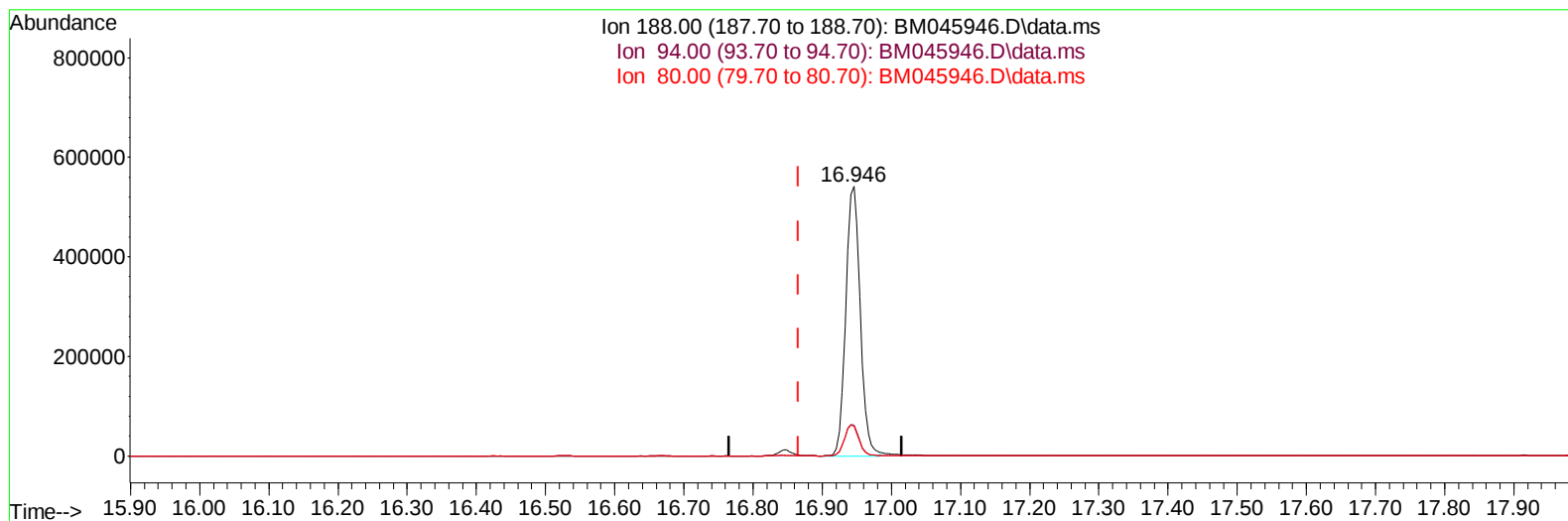
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045946.D\data.ms

(13) Phenanthrene-d10 (I)

16.946min (+ 0.080) 0.40 ng/u1

response 783458

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.47
80.00	11.70	10.87
0.00	0.00	0.00

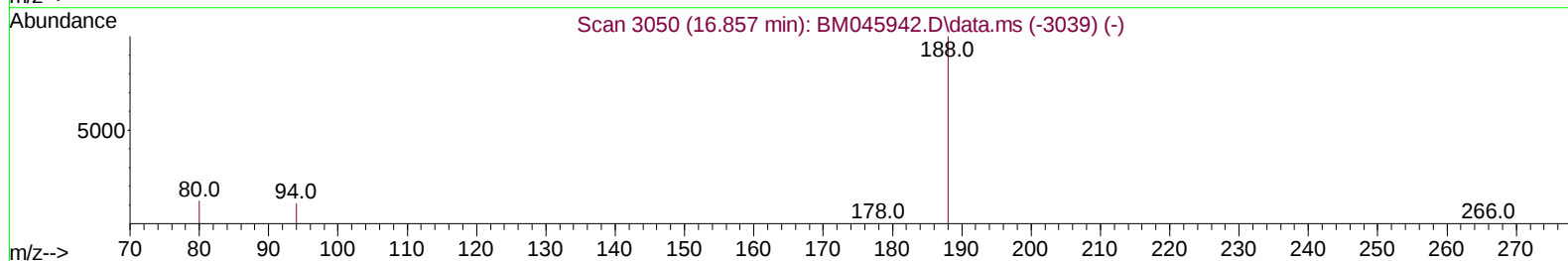
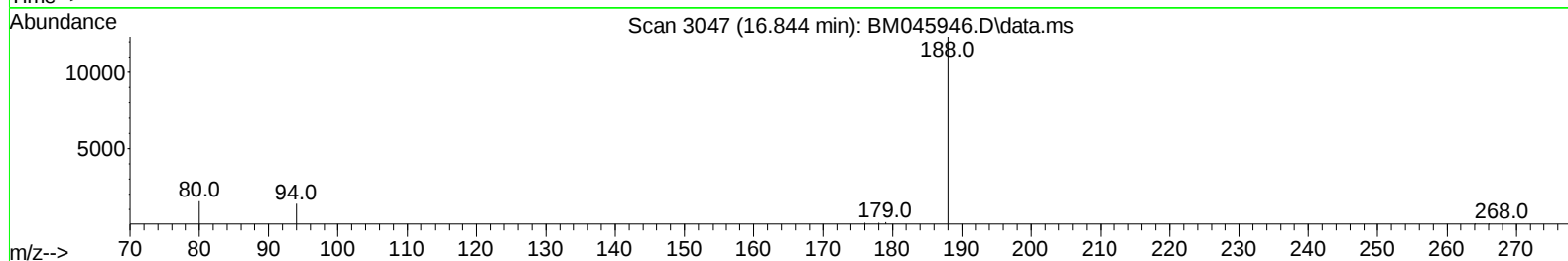
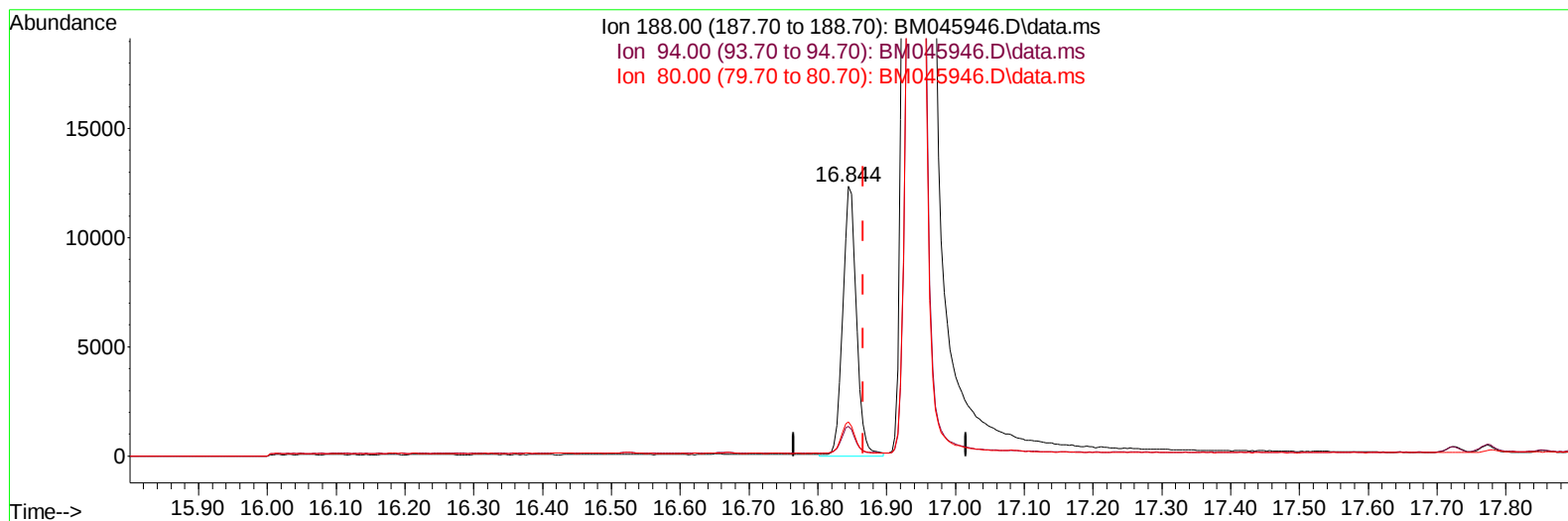
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045946.D\data.ms

(13) Phenanthrene-d10 (I)

16.844min (-0.021) 0.40 ng/u1 m

response 17164

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.08
80.00	11.70	12.70
0.00	0.00	0.00

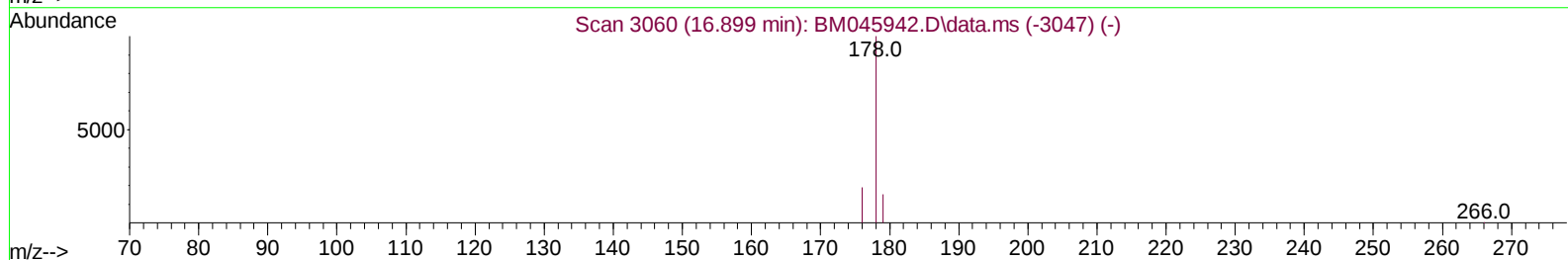
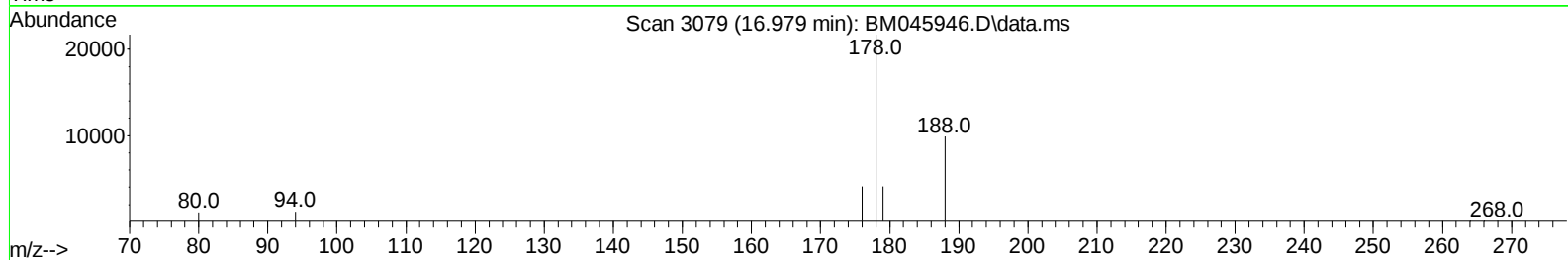
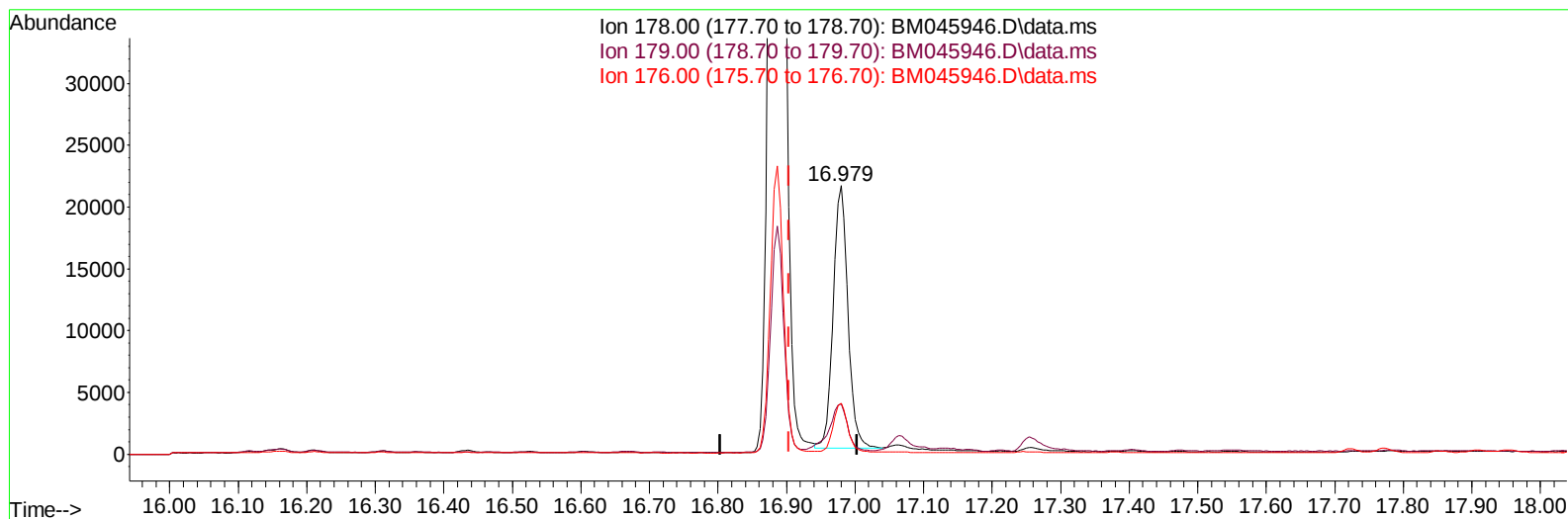
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
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TIC: BM045946.D\data.ms

(15) Phenanthrene

16.979min (+ 0.076) 0.65 ng/u1

response 31389

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	18.72
176.00	19.50	19.01
0.00	0.00	0.00

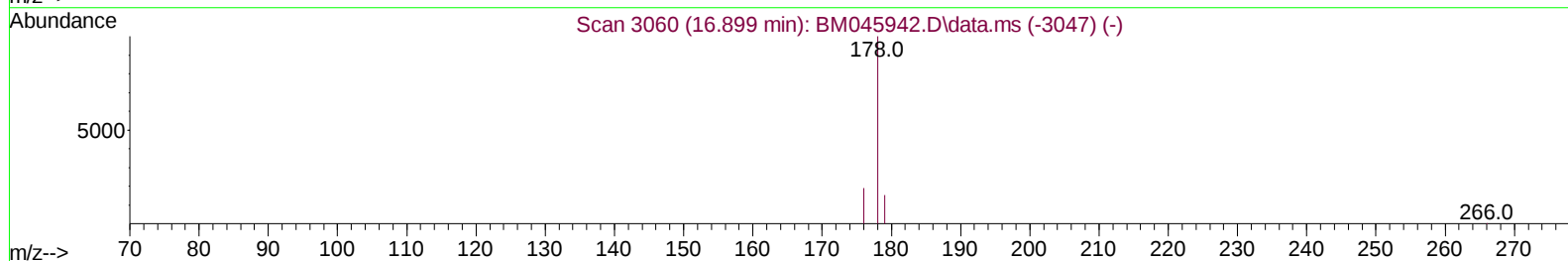
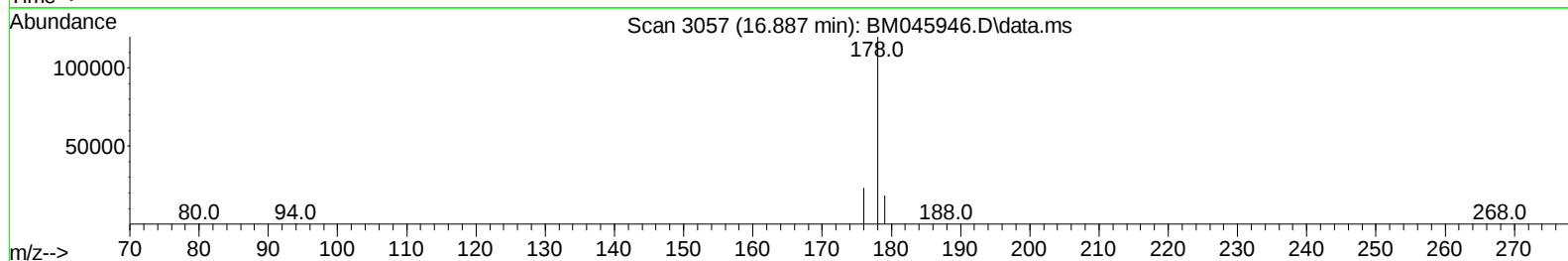
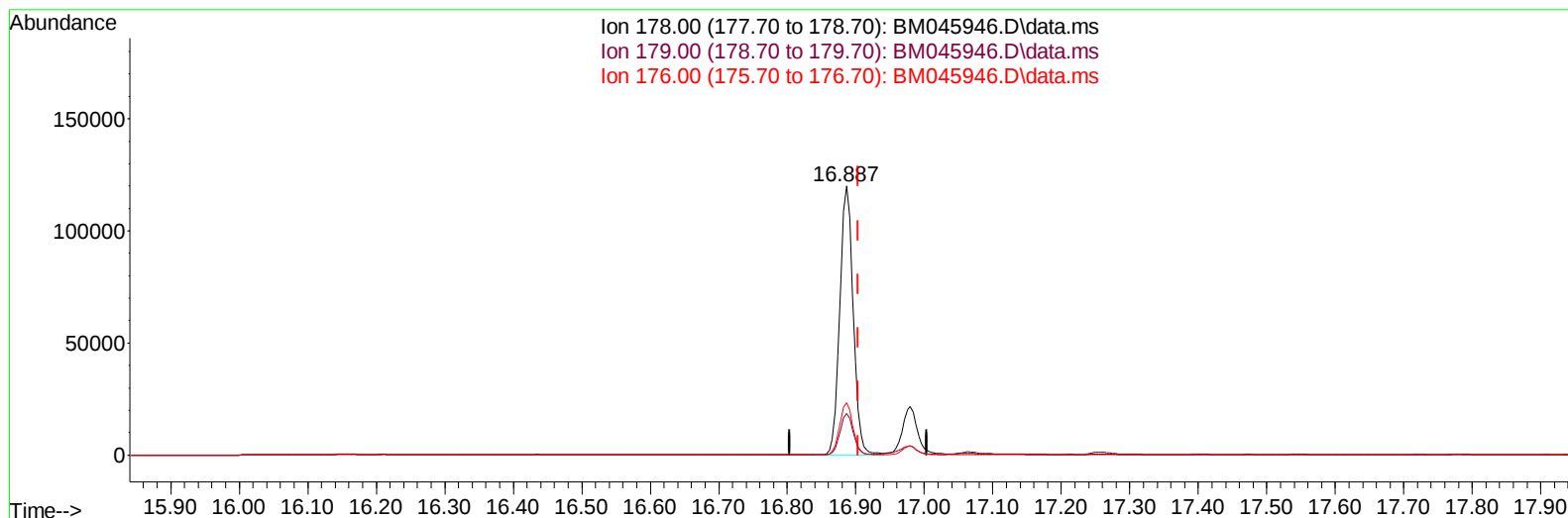
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045946.D\data.ms

(15) Phenanthrene

16.887min (-0.017) 3.38 ng/ul m

response 162661

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.40
176.00	19.50	19.43
0.00	0.00	0.00

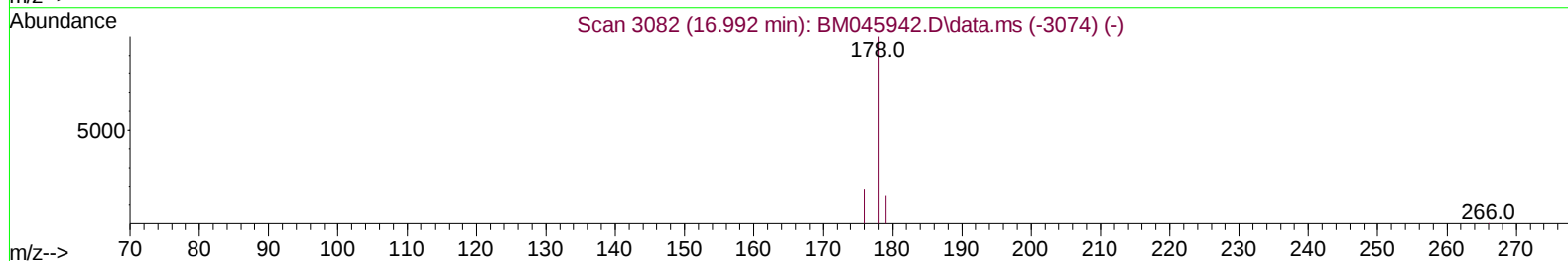
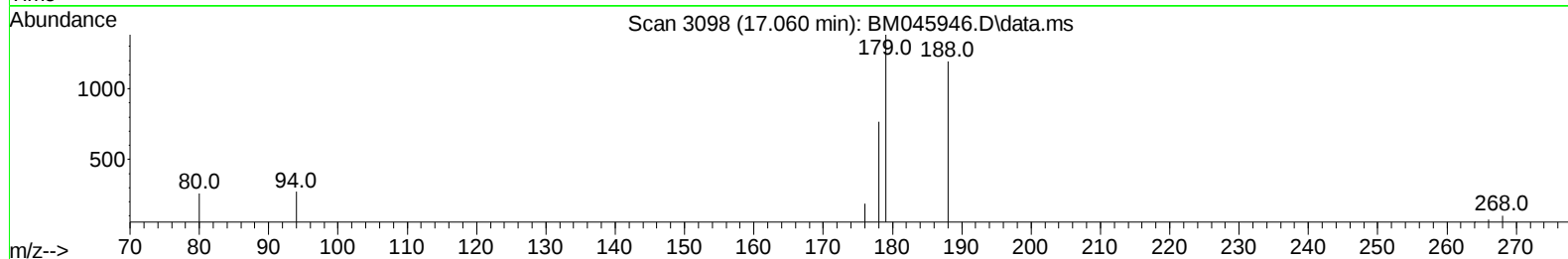
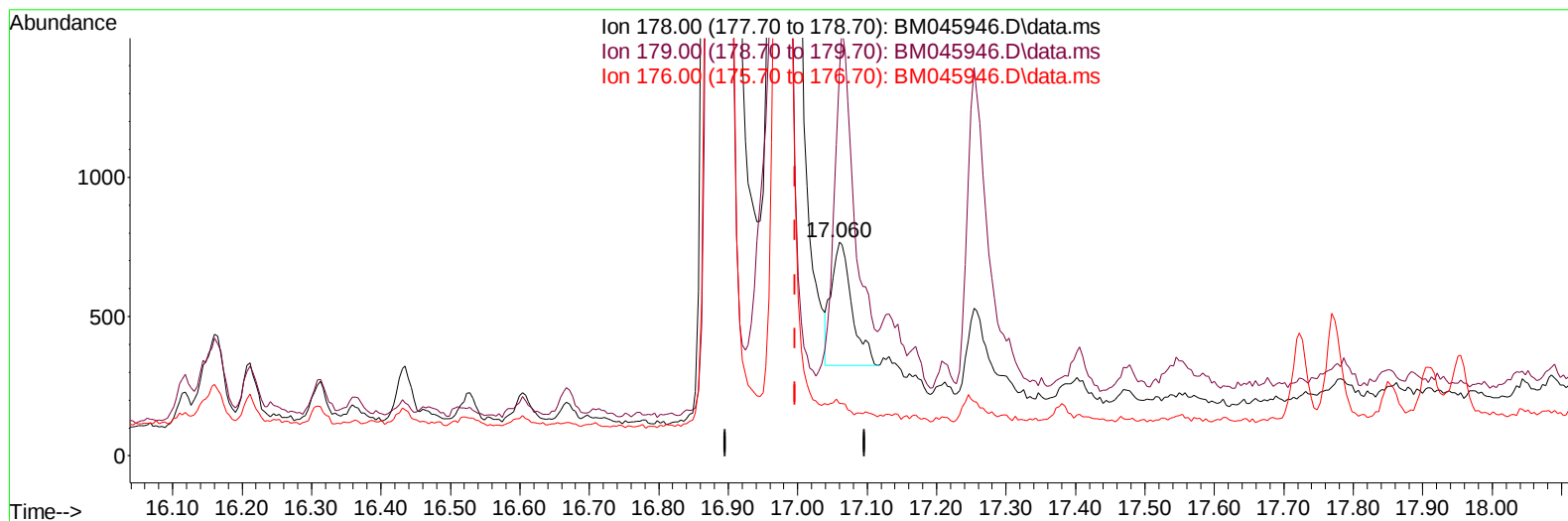
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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TIC: BM045946.D\data.ms

(16) Anthracene

17.060min (+ 0.063) 0.02 ng/u1

response 923

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	180.08#
176.00	19.40	24.35#
0.00	0.00	0.00

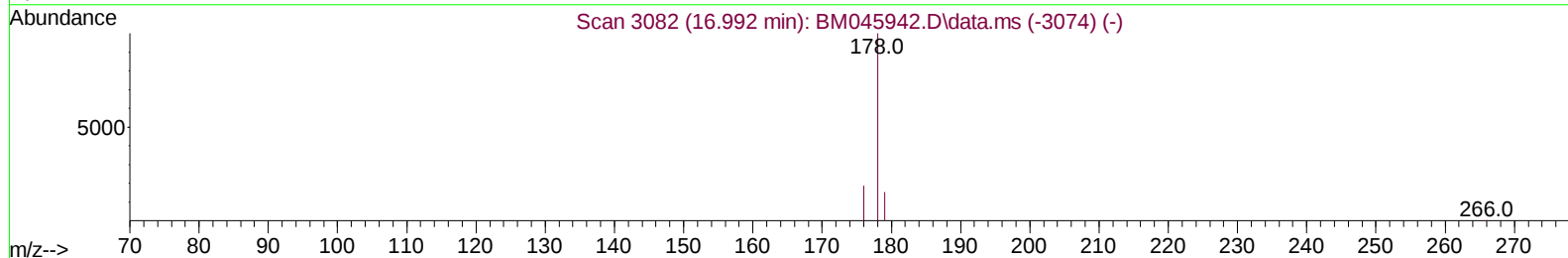
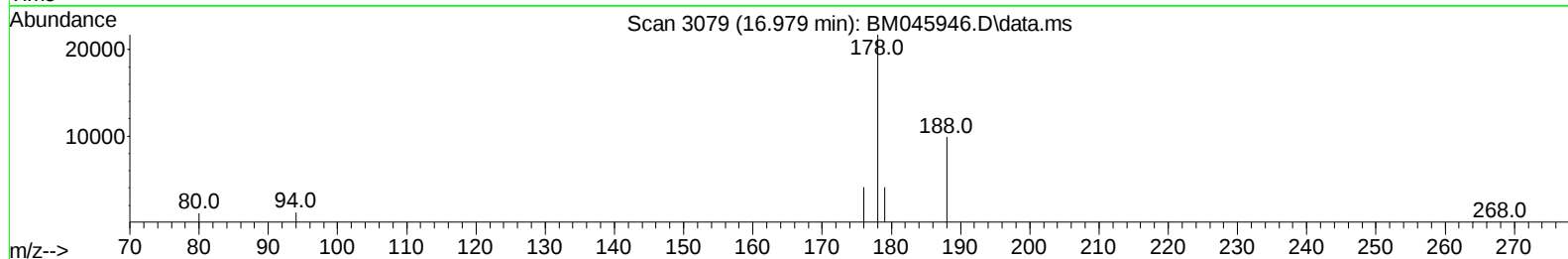
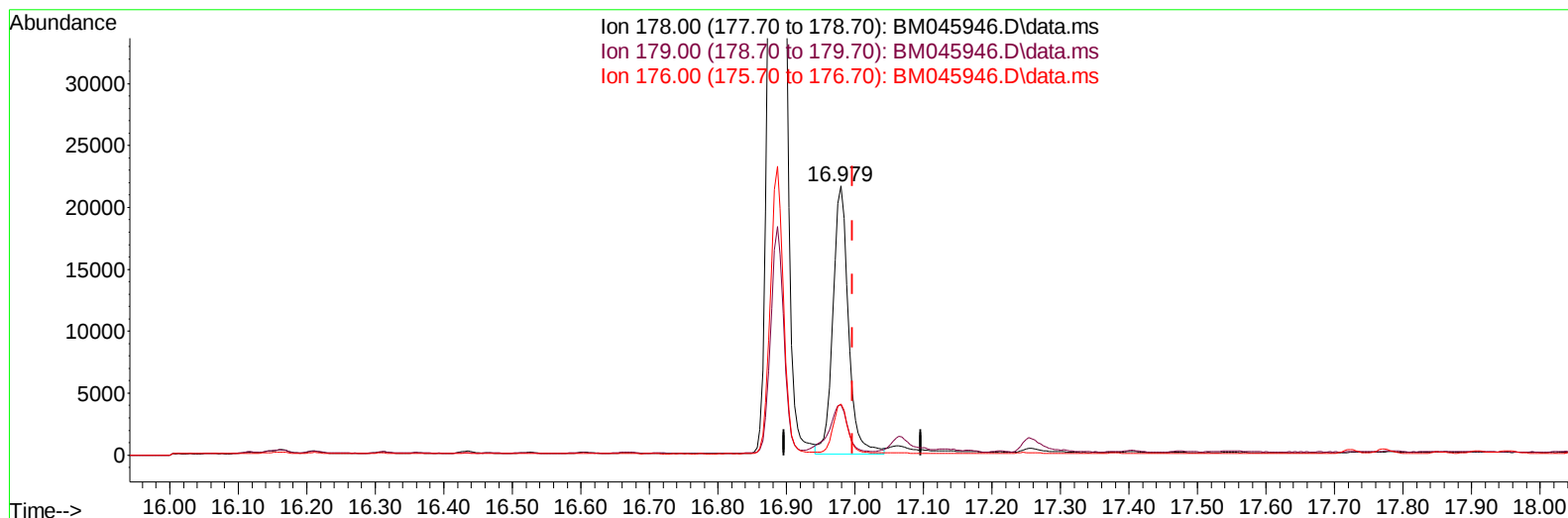
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045946.D\data.ms

(16) Anthracene

16.979min (-0.017) 0.83 ng/ul m

response 33928

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	18.72
176.00	19.40	19.01
0.00	0.00	0.00

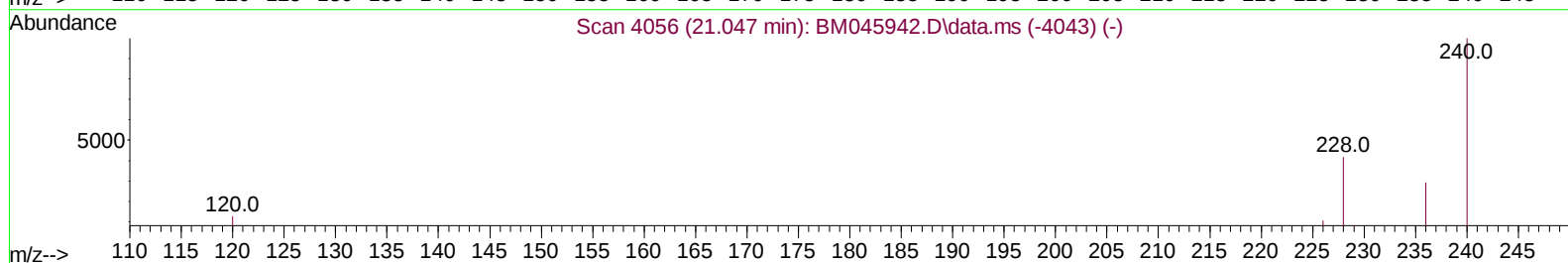
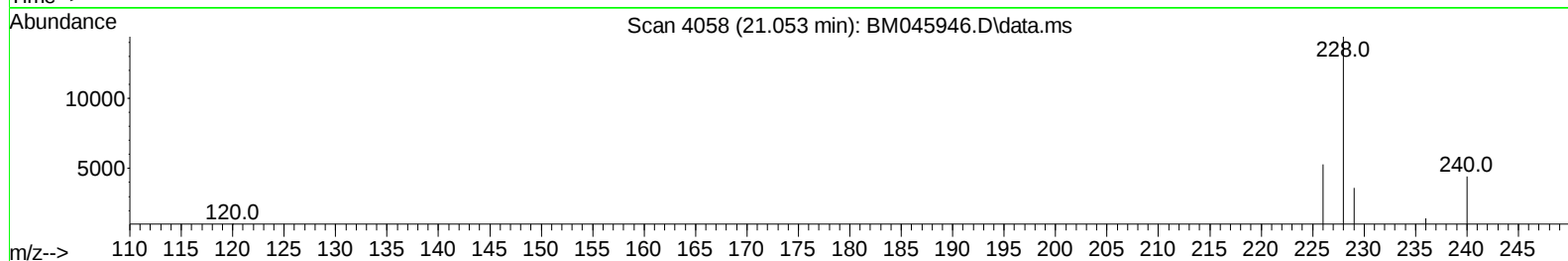
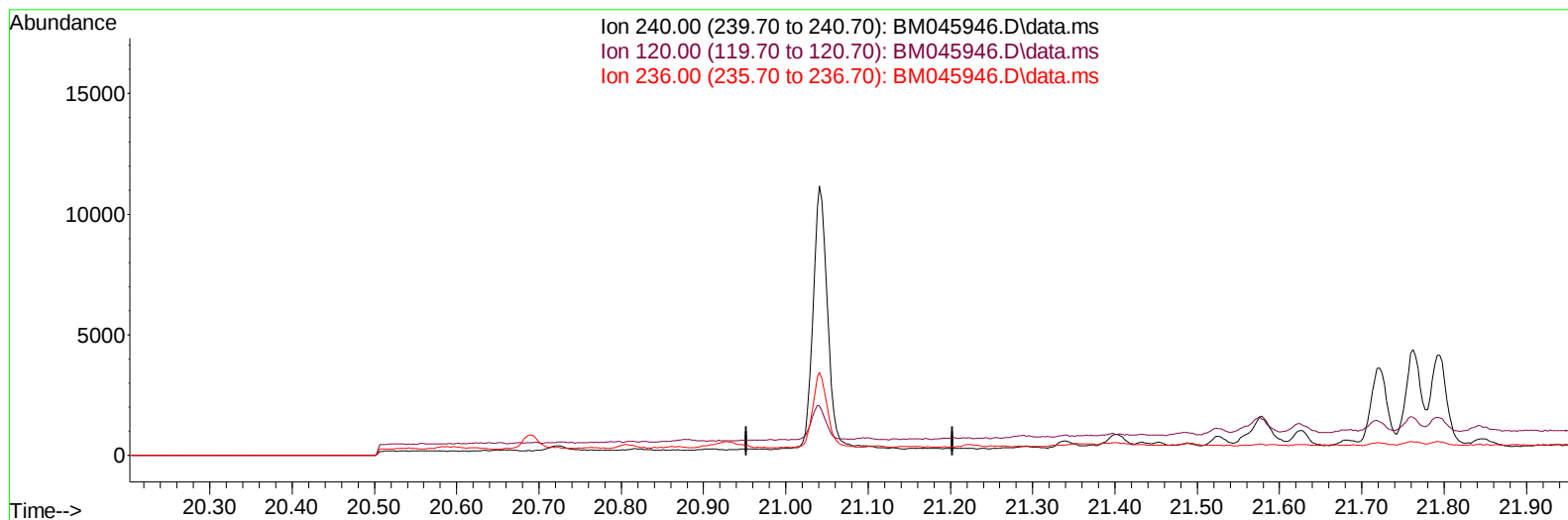
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
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Reviewed By :Jagrut Upadhyay 06/10/2024
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TIC: BM045946.D\data.ms

(17) Chrysene-d12

21.053min (-21.053) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

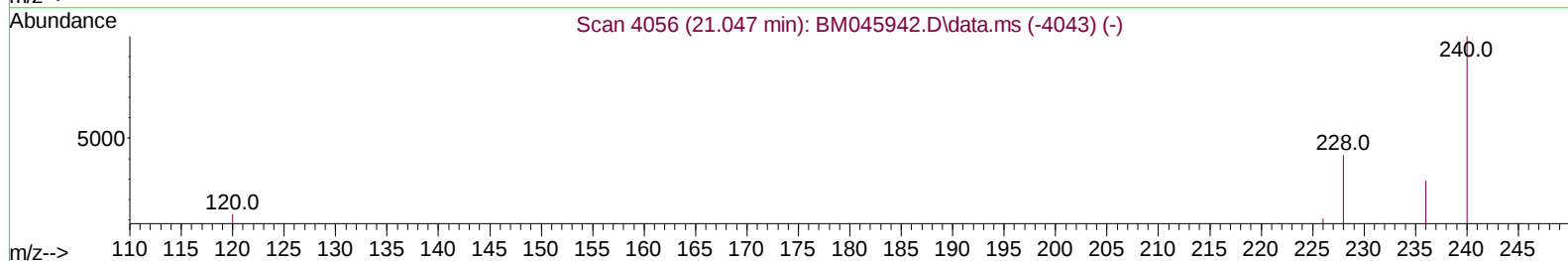
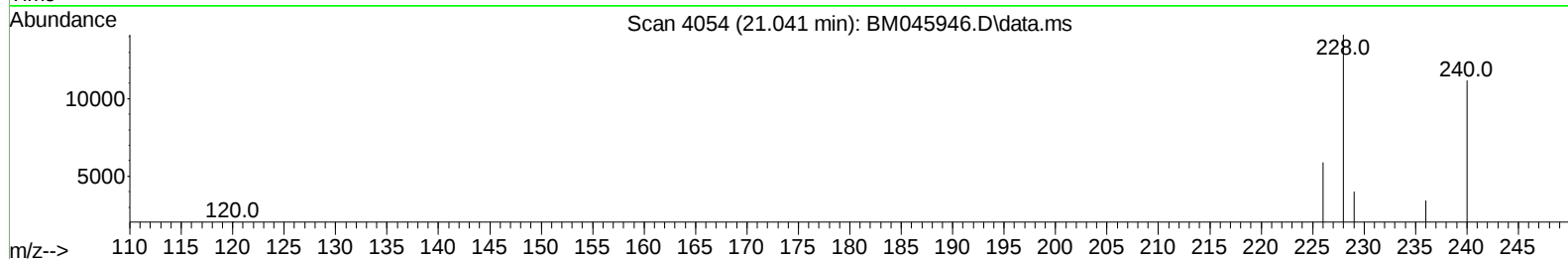
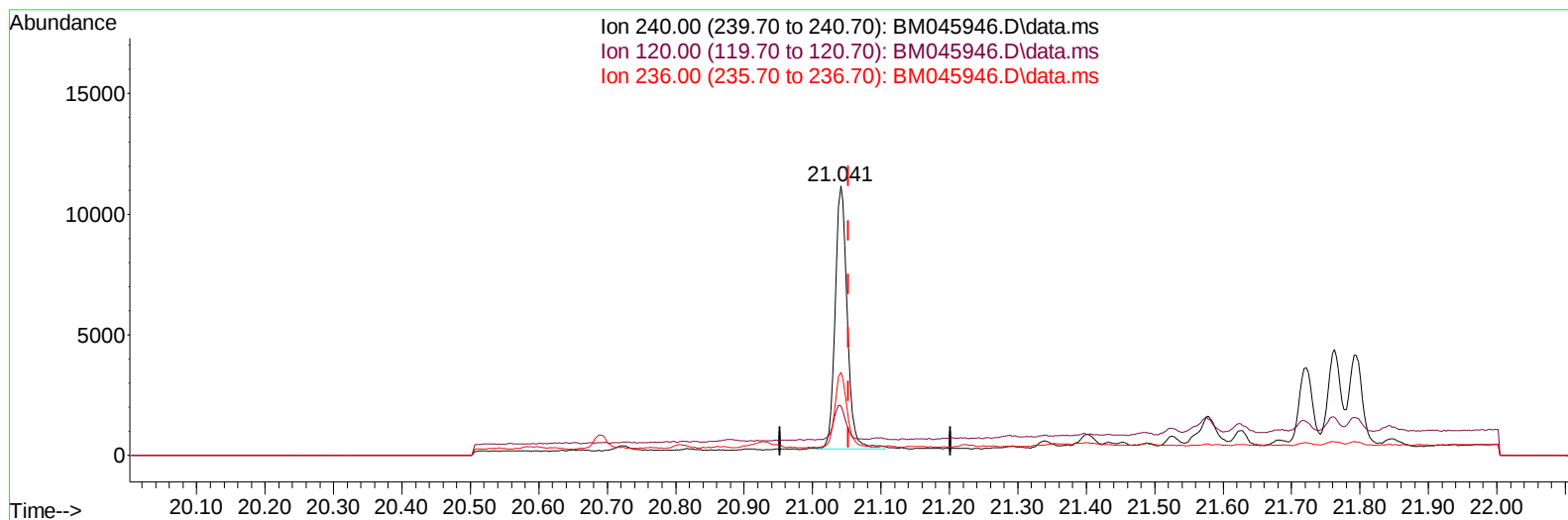
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045946.D\data.ms

(17) Chrysene-d12

21.041min (-0.012) 0.40 ng/ul m

response 13386

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	18.30
236.00	29.50	30.90
0.00	0.00	0.00

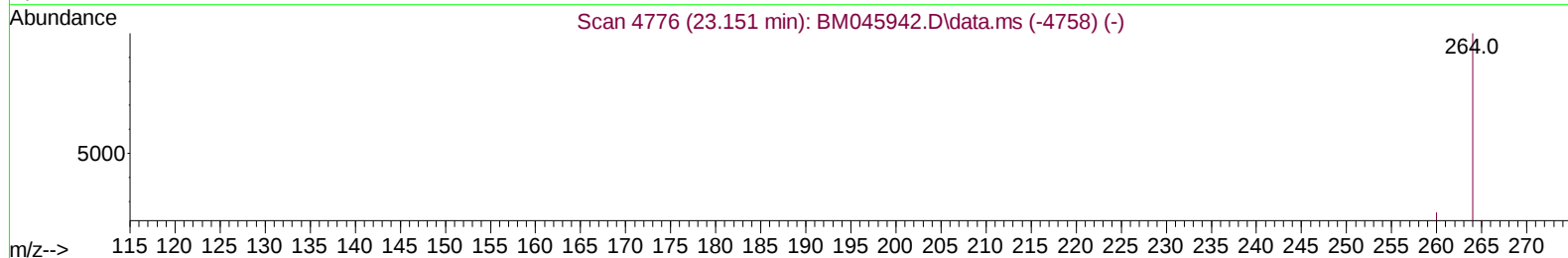
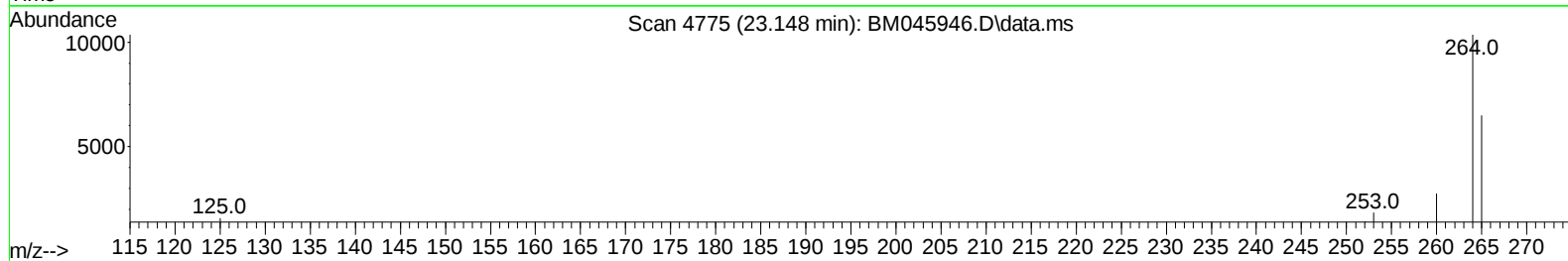
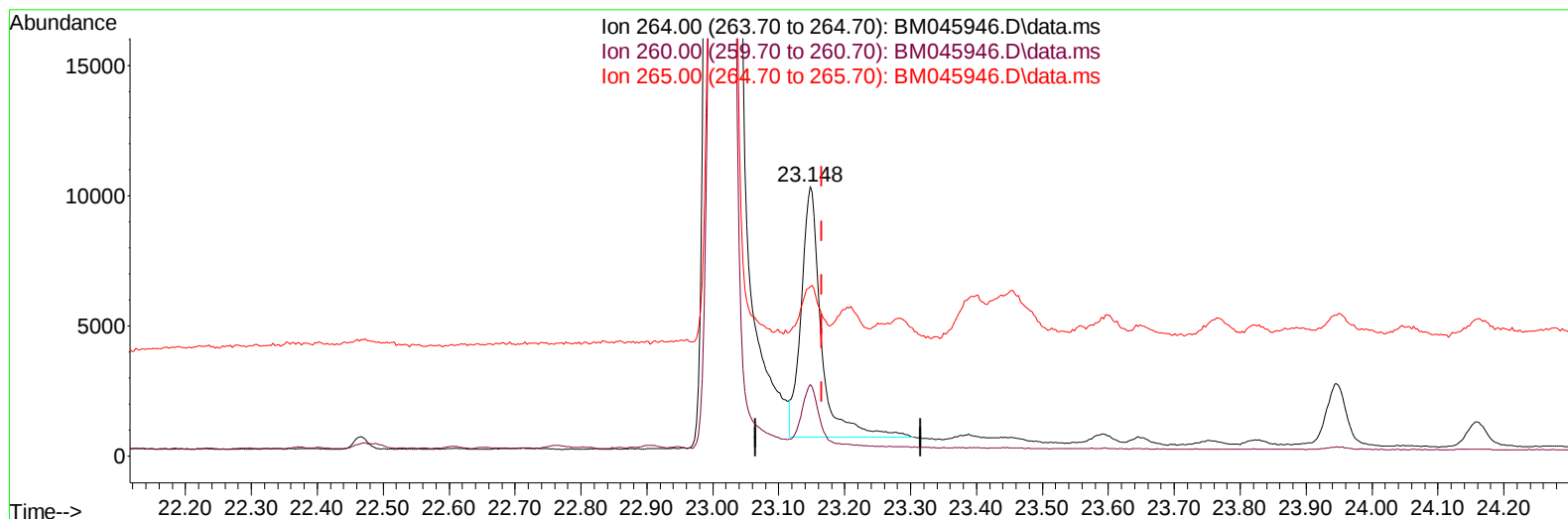
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045946.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/u1

response 20466

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.52
265.00	76.60	62.82
0.00	0.00	0.00

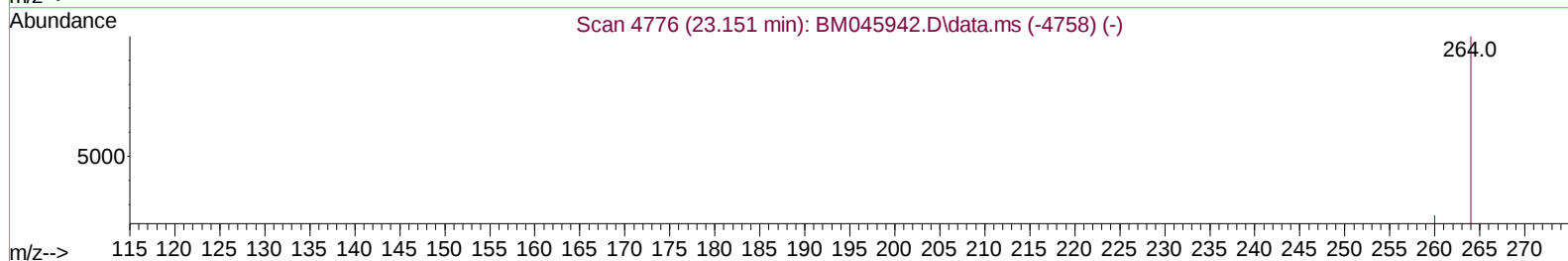
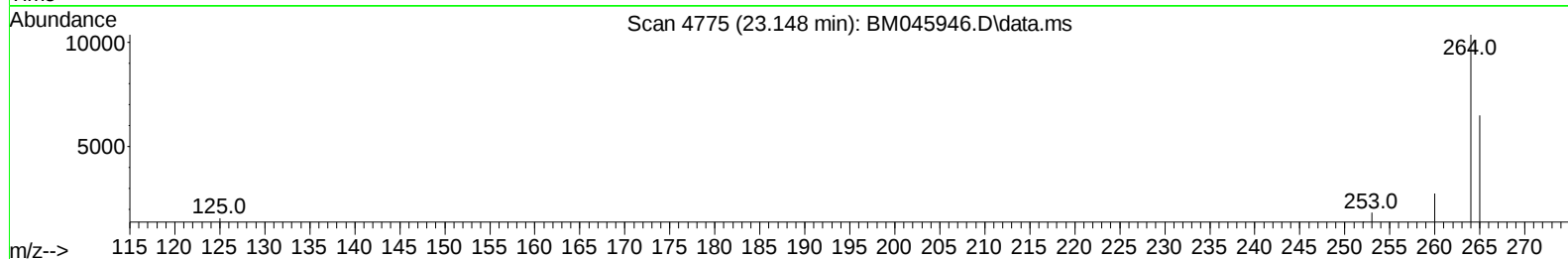
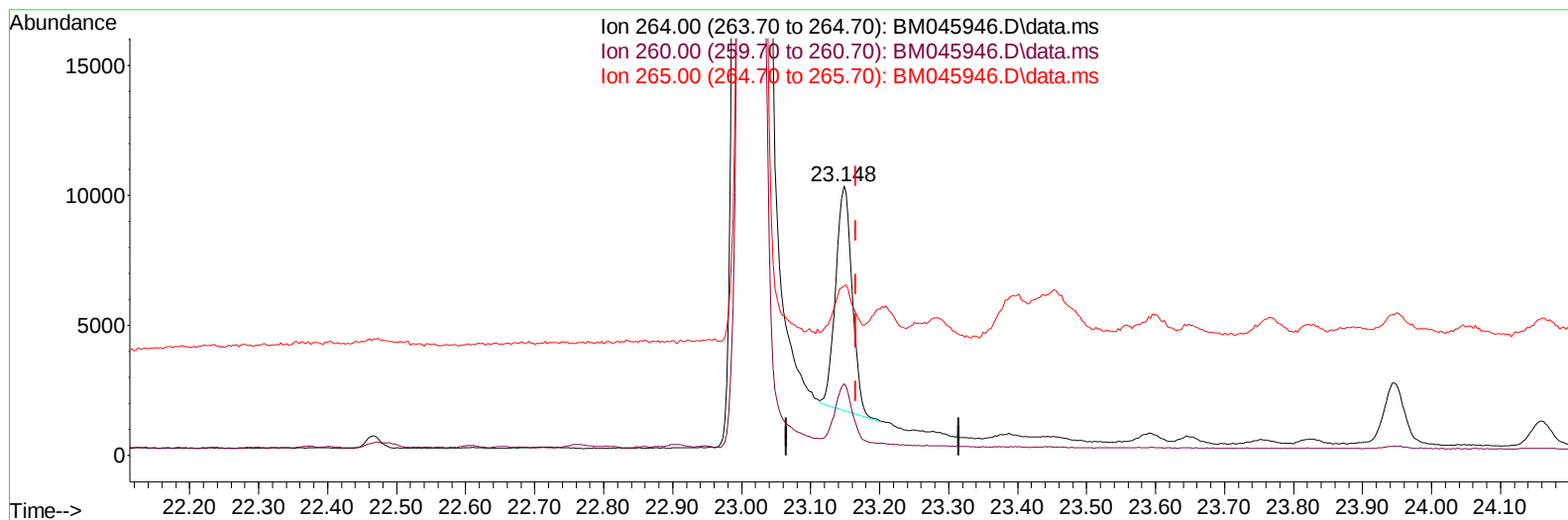
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045946.D
 Acq On : 10 Jun 2024 12:19
 Operator : MA/JU
 Sample : P2642-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 22:59:16 2024
 Response via : Initial Calibration

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TIC: BM045946.D\data.ms

(23) Perylene-d12 (I)

23.148min (-0.018) 0.40 ng/ul m

response 14313

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.52
265.00	76.60	62.82
0.00	0.00	0.00

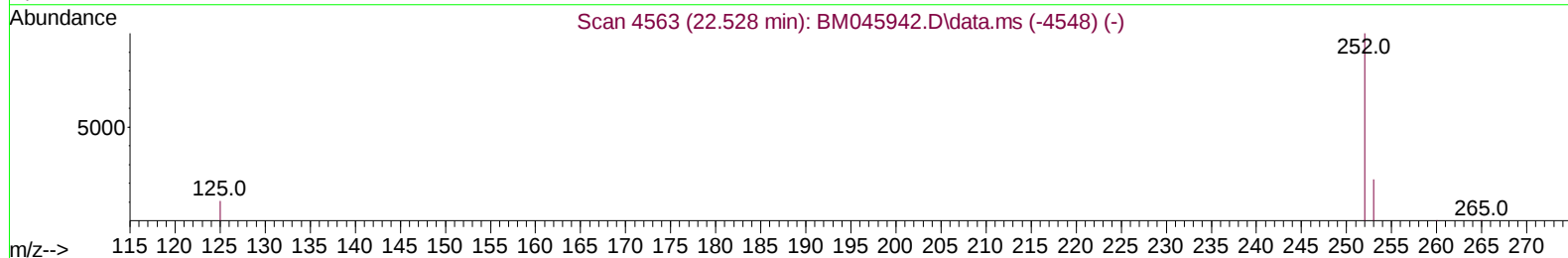
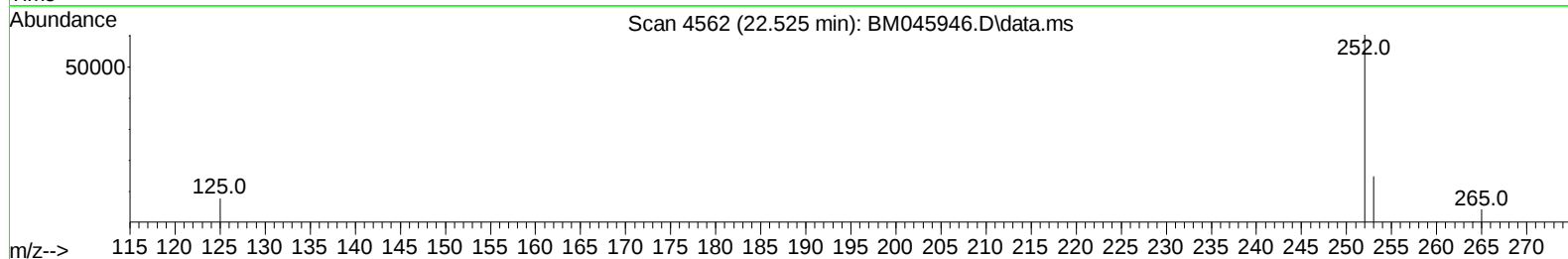
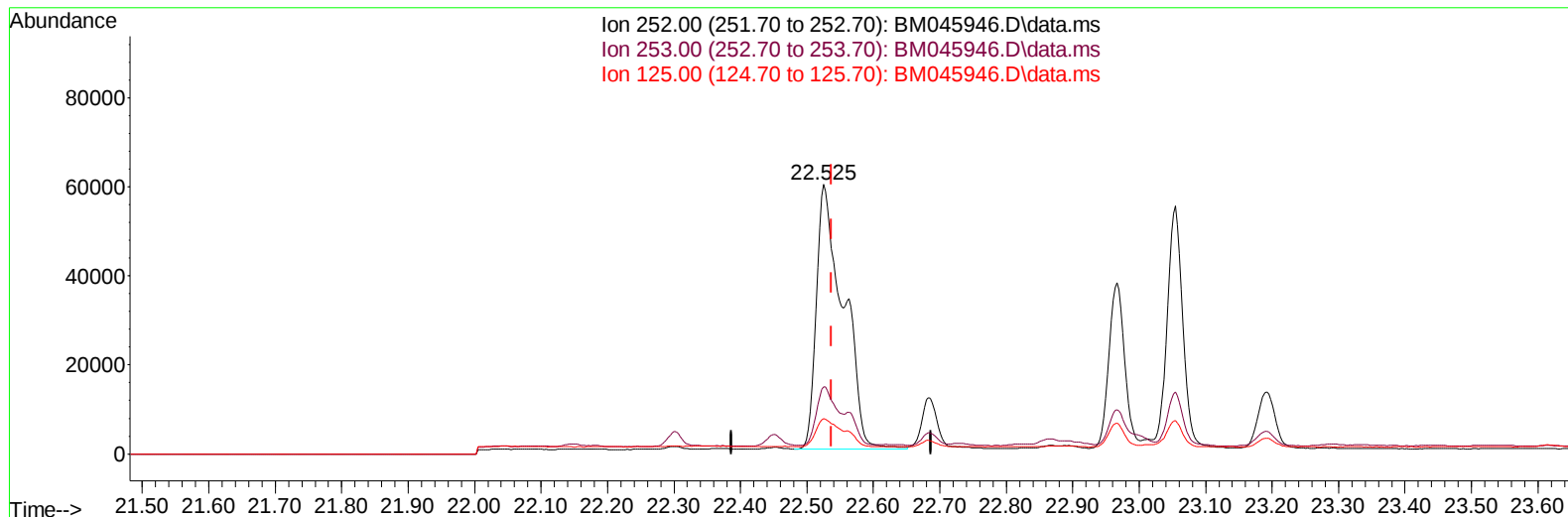
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
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TIC: BM045946.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 3.53 ng/u1

response 167622

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	24.78
125.00	17.90	13.08
0.00	0.00	0.00

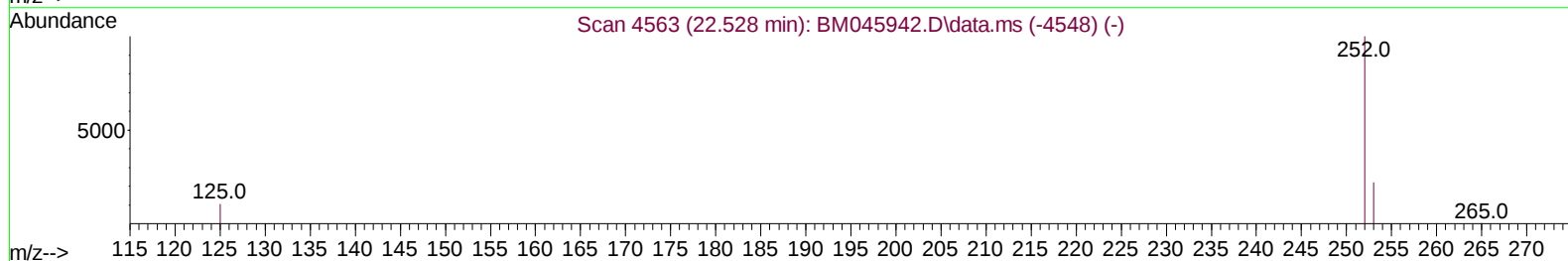
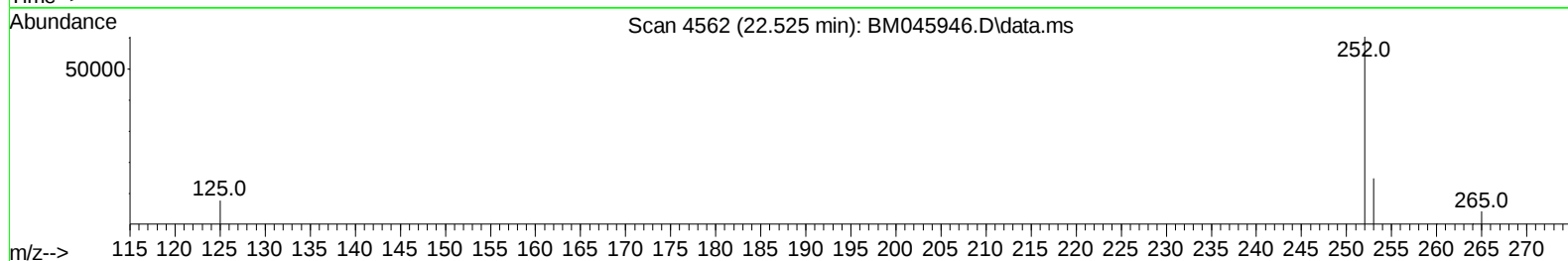
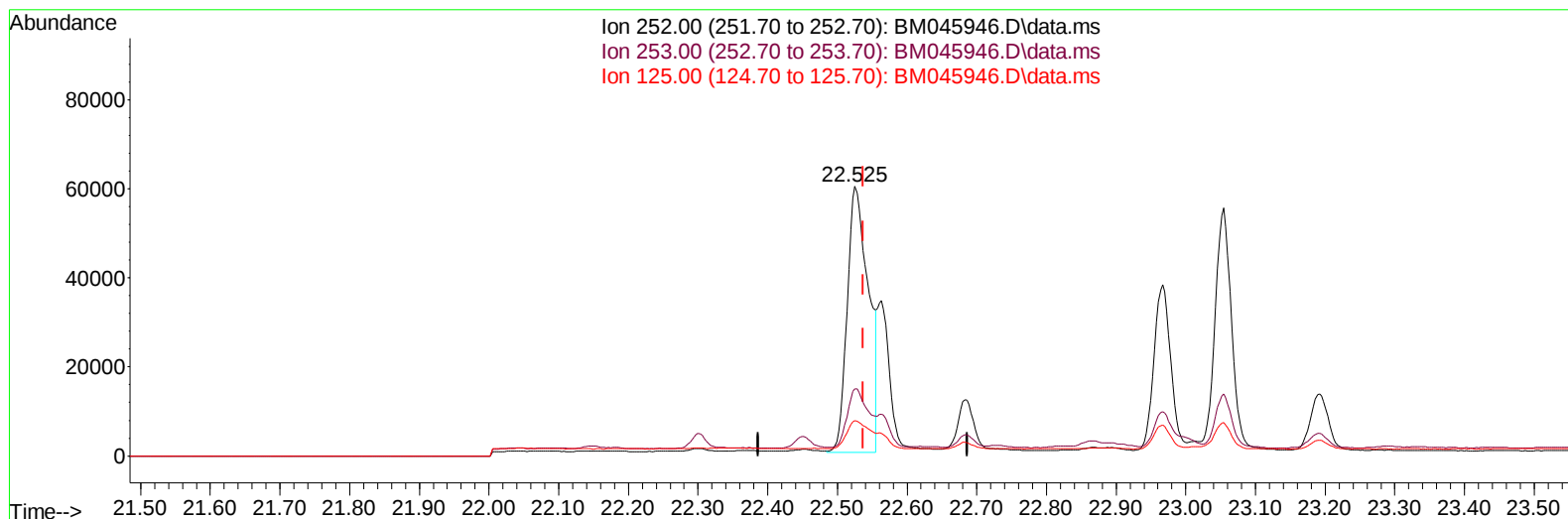
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM045946.D\data.ms

(24) Benzo(b)fluoranthene

22.525min (-0.012) 2.65 ng/u1 m

response 125913

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	24.78
125.00	17.90	13.08
0.00	0.00	0.00

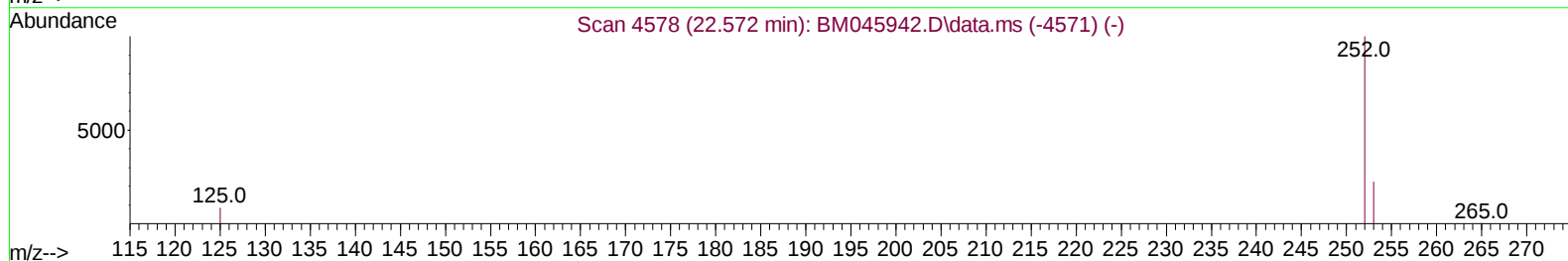
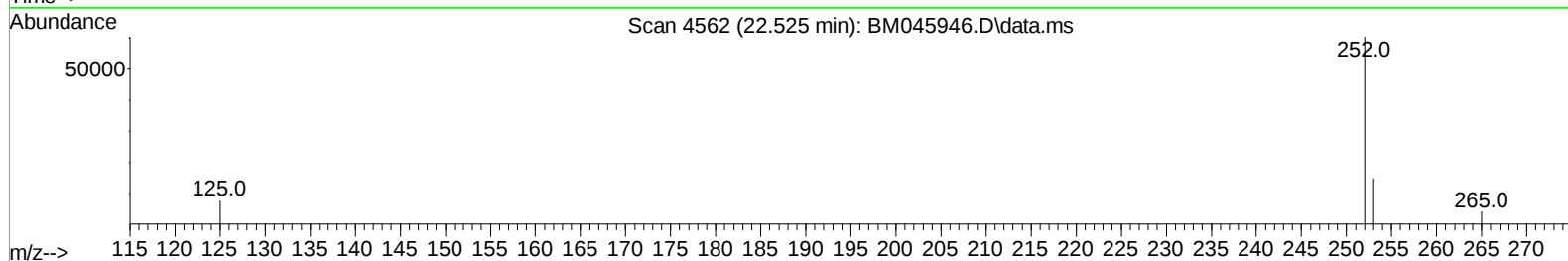
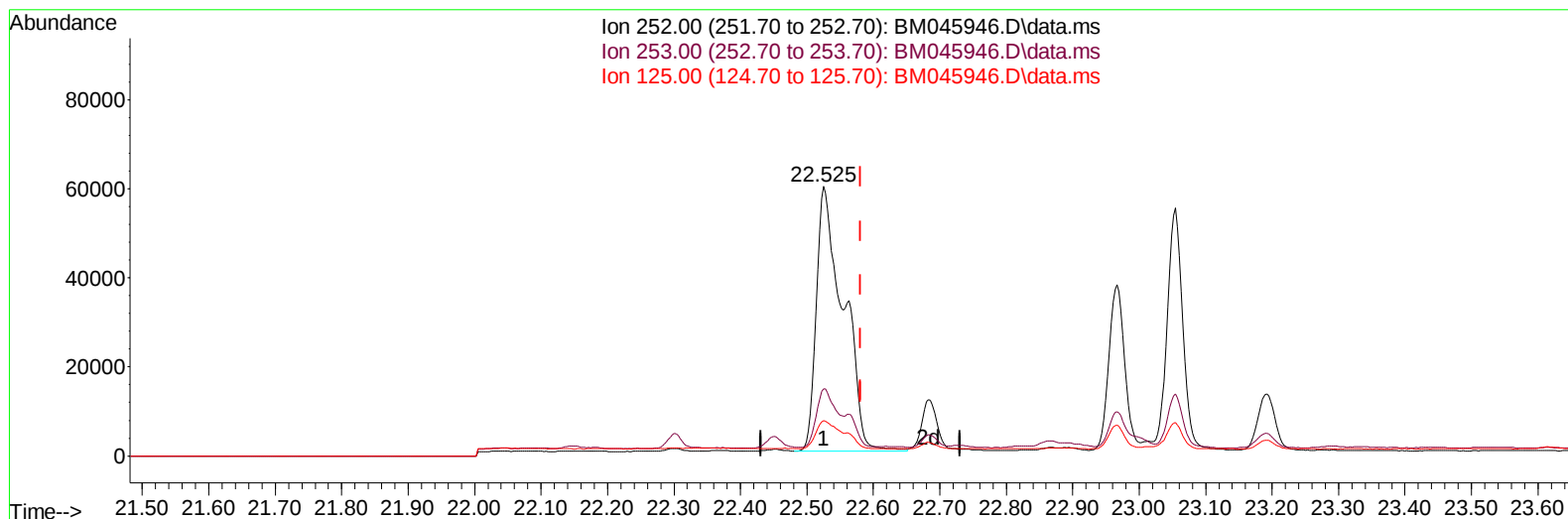
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045946.D\data.ms

(25) Benzo(k)fluoranthene

22.525min (-0.056) 3.21 ng/u1

response 167622

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.78#
125.00	17.70	13.08#
0.00	0.00	0.00

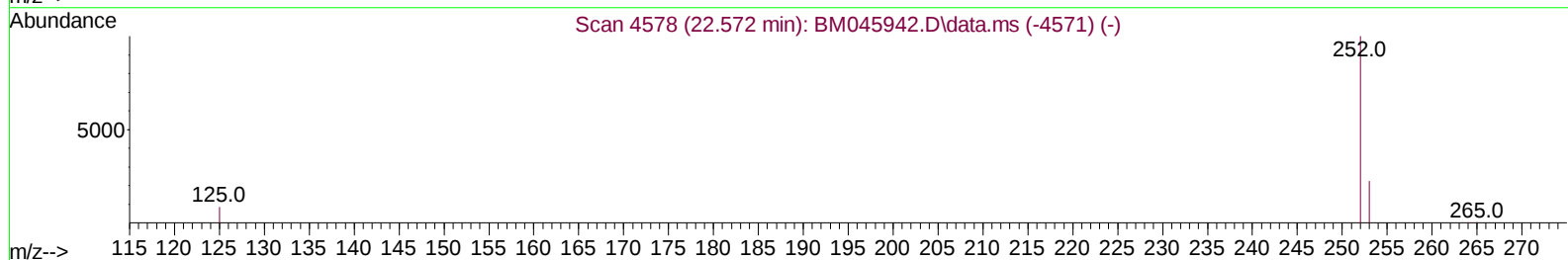
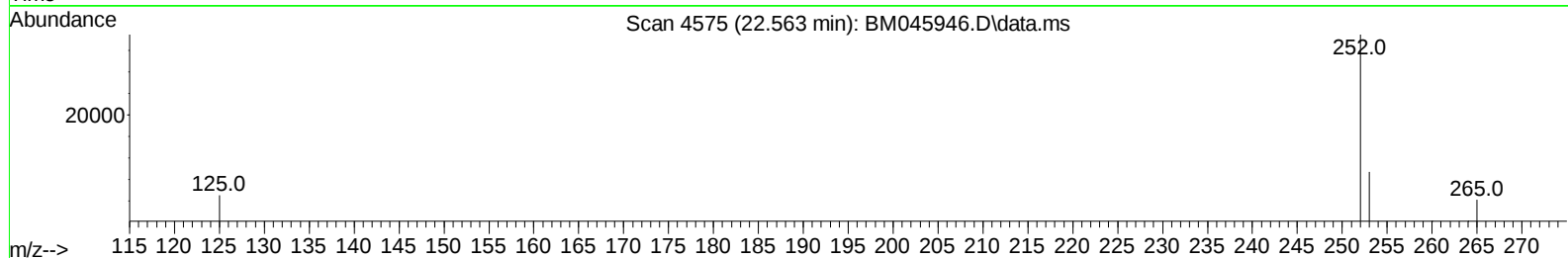
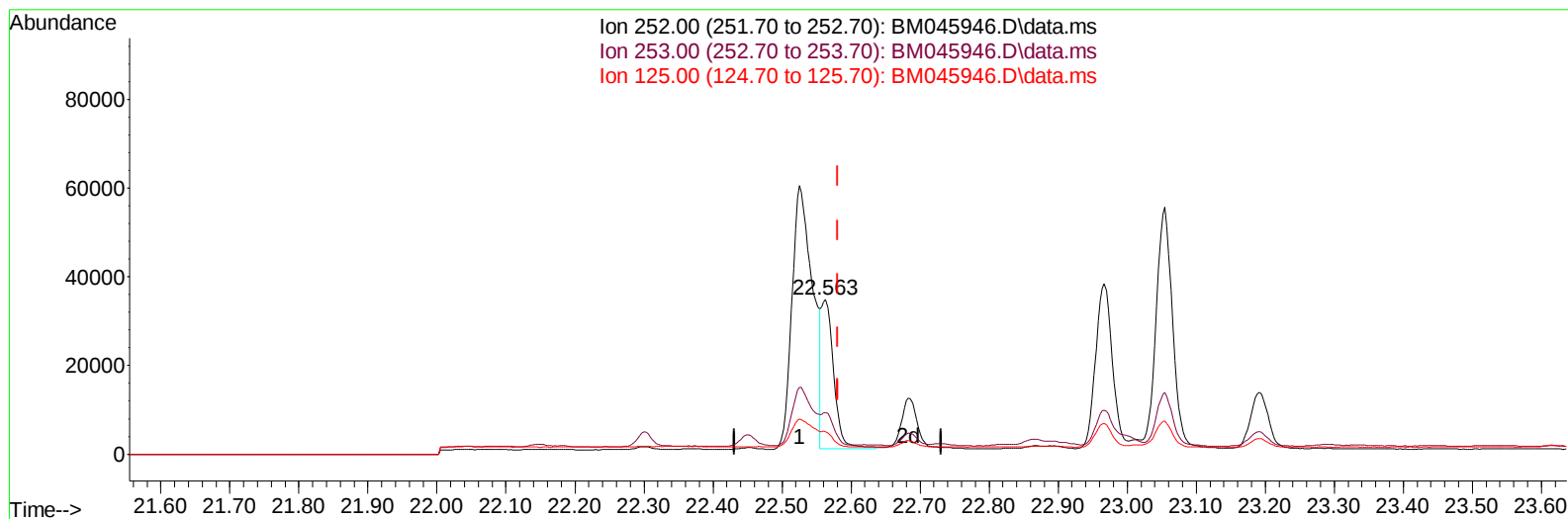
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
Data File : BM045946.D
Acq On : 10 Jun 2024 12:19
Operator : MA/JU
Sample : P2642-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4BH0

Manual IntegrationsAPPROVED

Quant Time: Jun 10 12:57:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 22:59:16 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045946.D\data.ms

(25) Benzo(k)fluoranthene

22.563min (-0.018) 0.81 ng/u1 m

response 42083

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	26.90
125.00	17.70	14.53
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061024\
 Data File : BM045946.D
 Acq On : 10 Jun 2024 12:19
 Operator : MA/JU
 Sample : P2642-05
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.459	152	5211	0.400	ng/ul	-0.03
4) Naphthalene-d8	10.231	136	16530	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.108	164	8252	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.844	188	17164m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.041	240	13386m	0.400	ng/ul	-0.01
23) Perylene-d12	23.148	264	14313m	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.054	96	21258	3.582	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.843	152	4828	0.203	ng/ul	0.00
18) Fluoranthene-d10	18.880	212	9719	0.242	ng/ul	-0.01
Target Compounds						
						Qvalue
5) Naphthalene	10.275	128	7290	0.169	ng/ul	95
7) 2-Methylnaphthalene	11.914	142	2349	0.085	ng/ul	99
8) 1-Methylnaphthalene	12.134	142	1894	0.063	ng/ul	97
10) Acenaphthylene	13.821	152	7290	0.194	ng/ul	97
11) Acenaphthene	14.168	153	7799	0.283	ng/ul	98
12) Fluorene	15.158	166	9436	0.306	ng/ul	98
15) Phenanthrene	16.887	178	162661m	3.375	ng/ul	
16) Anthracene	16.979	178	33928m	0.825	ng/ul	
19) Fluoranthene	18.908	202	225602	4.227	ng/ul	97
20) Pyrene	19.270	202	190552	3.422	ng/ul	96
21) Benzo(a)anthracene	21.023	228	95730	1.948	ng/ul	98
22) Chrysene	21.076	228	97103	1.815	ng/ul	99
24) Benzo(b)fluoranthene	22.525	252	125913m	2.652	ng/ul	
25) Benzo(k)fluoranthene	22.563	252	42083m	0.807	ng/ul	
26) Benzo(a)pyrene	23.054	252	89337	1.892	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	25.209	276	63294	1.037	ng/ul	91
28) Dibenzo(a,h)anthracene	25.212	278	14622	0.300	ng/ul#	90
29) Benzo(g,h,i)perylene	25.836	276	65303	1.240	ng/ul	96

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

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