

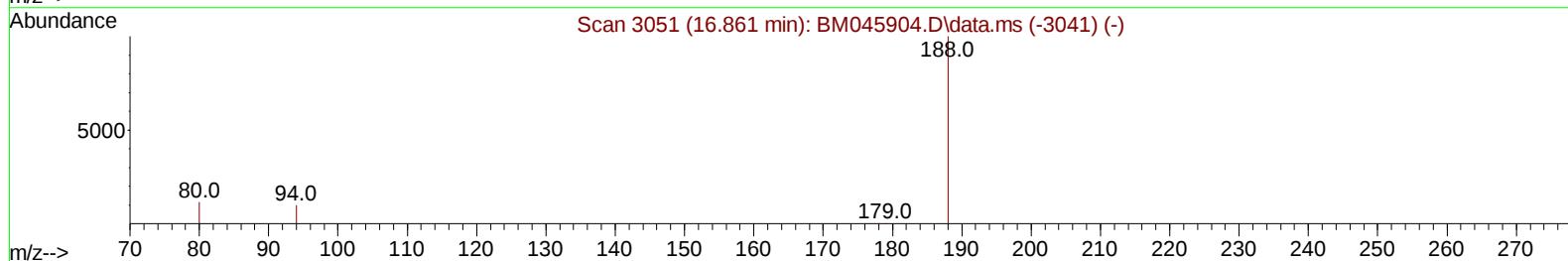
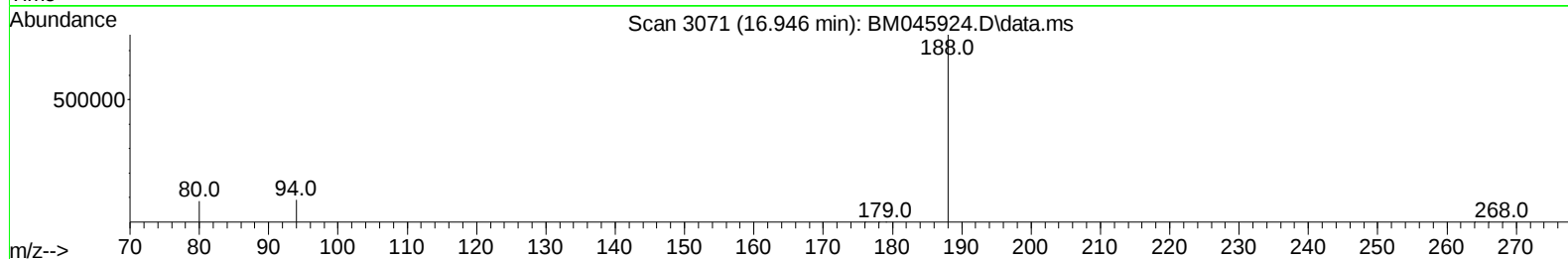
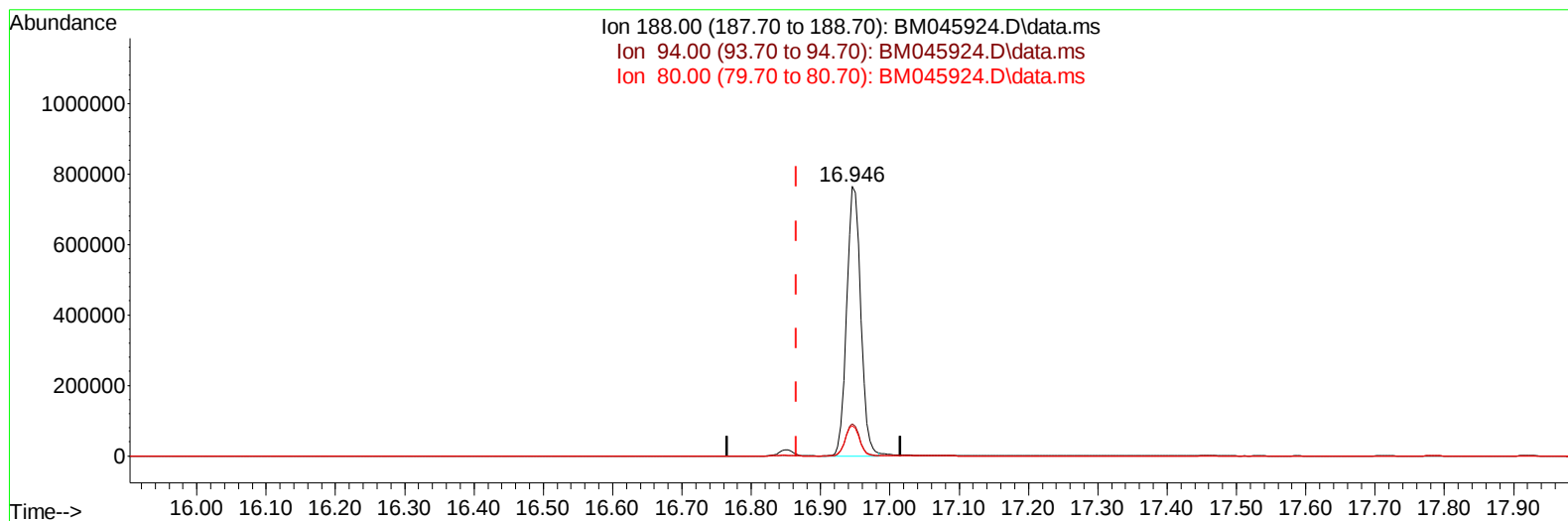
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(13) Phenanthrene-d10 (I)

16.946min (+ 0.080) 0.40 ng/u1

response 1078273

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.86
80.00	11.70	11.33
0.00	0.00	0.00

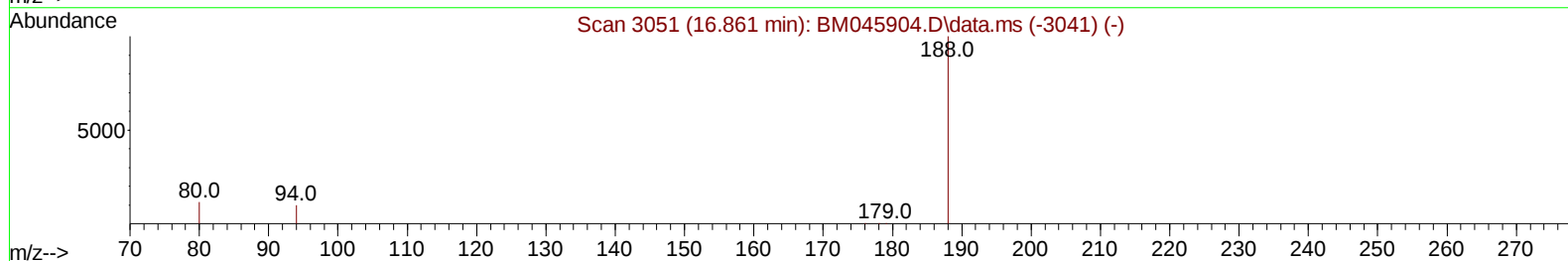
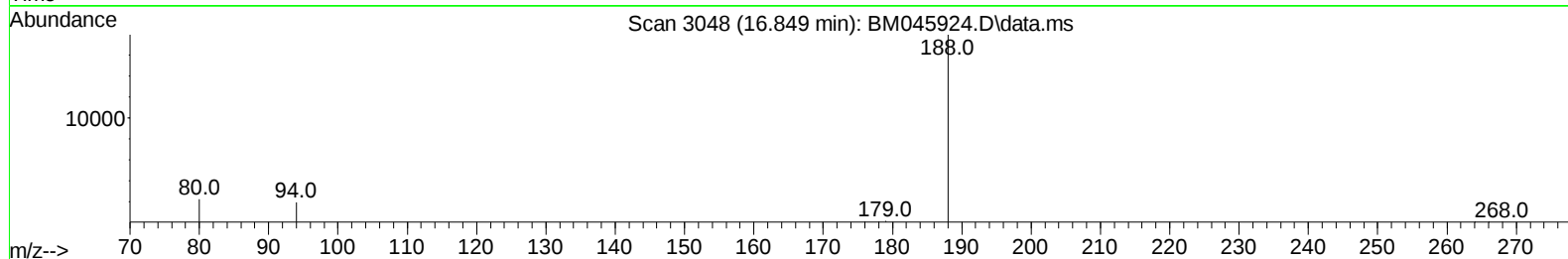
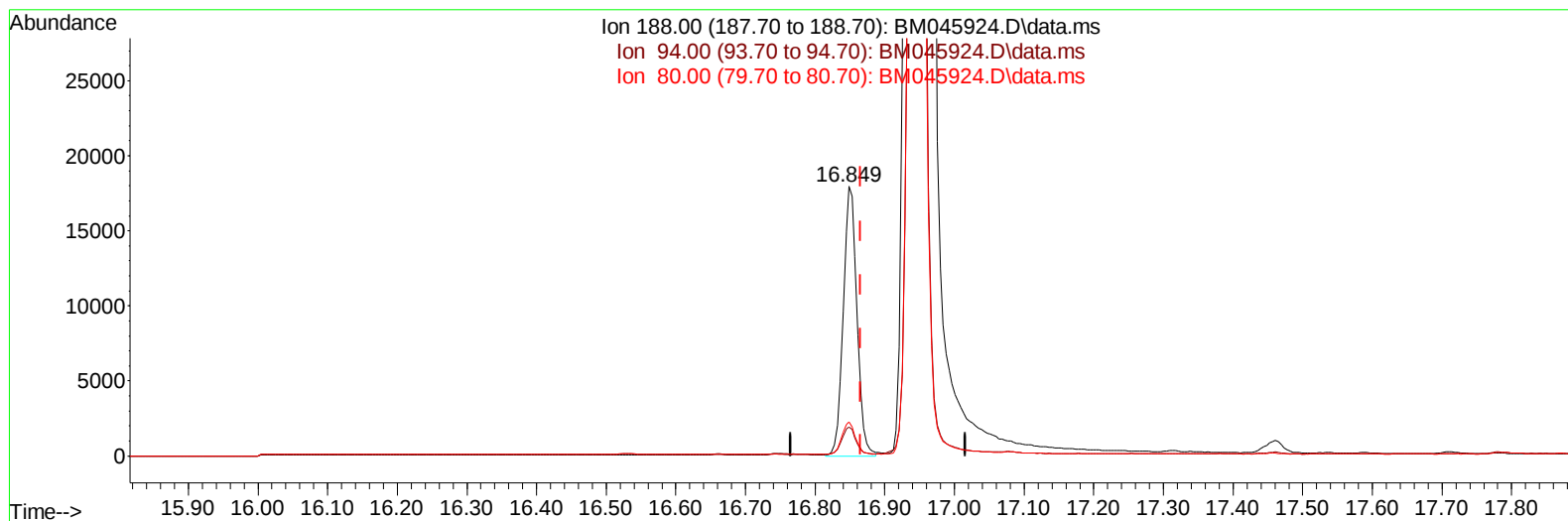
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(13) Phenanthrene-d10 (I)

16.849min (-0.017) 0.40 ng/u1 m

response 24550

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.83
80.00	11.70	12.57
0.00	0.00	0.00

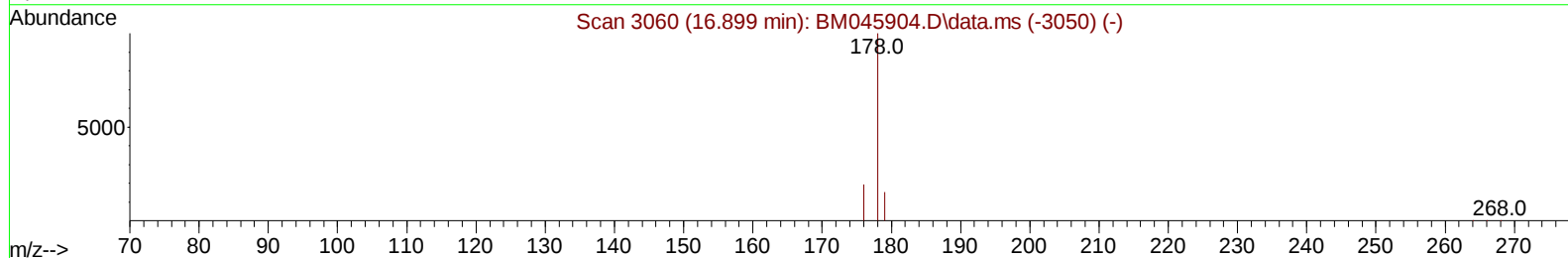
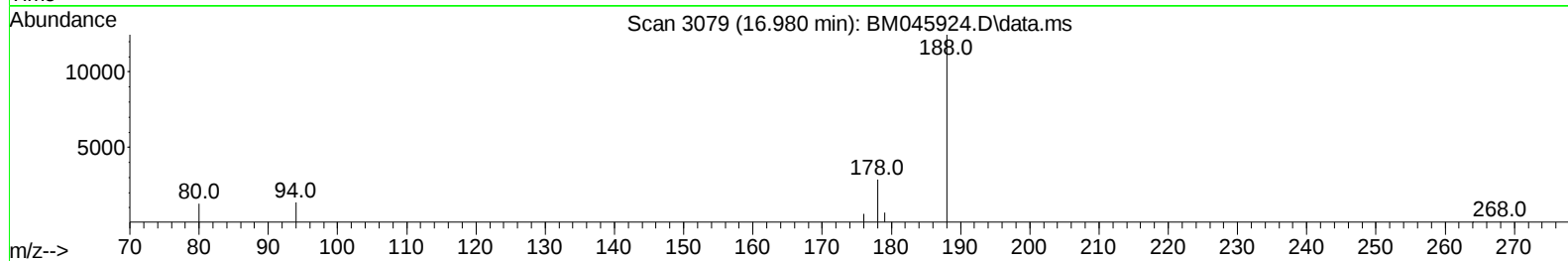
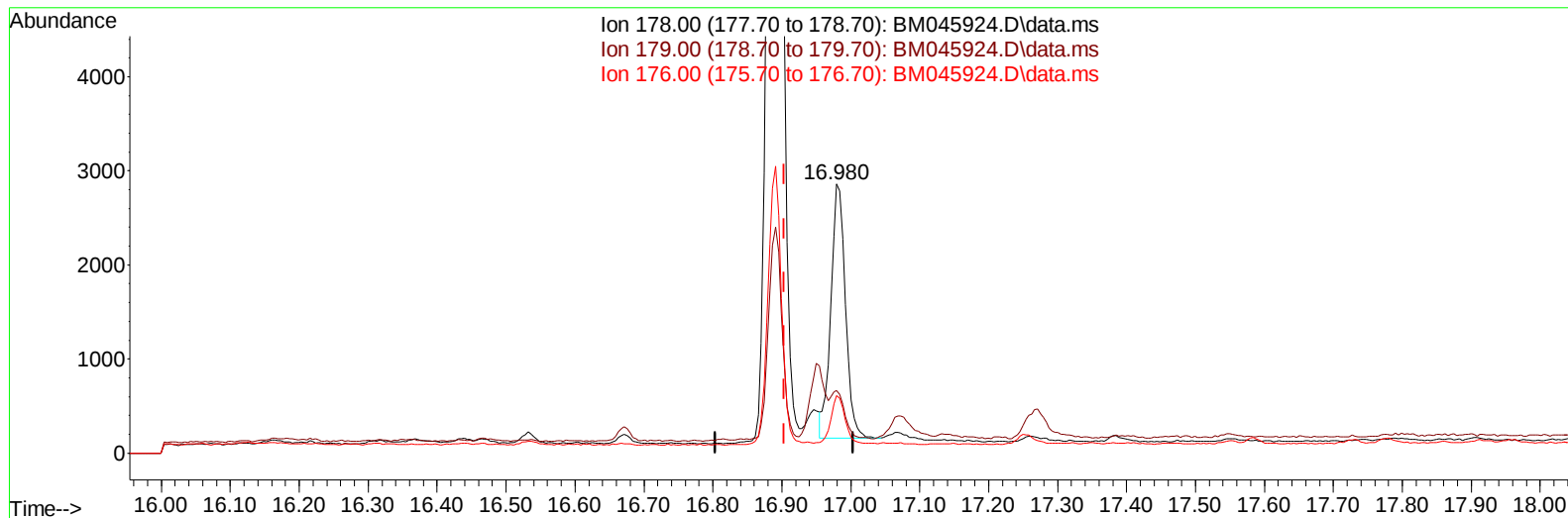
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(15) Phenanthrene

16.980min (+ 0.076) 0.06 ng/u1

response 3966

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	23.15#
176.00	19.50	21.37
0.00	0.00	0.00

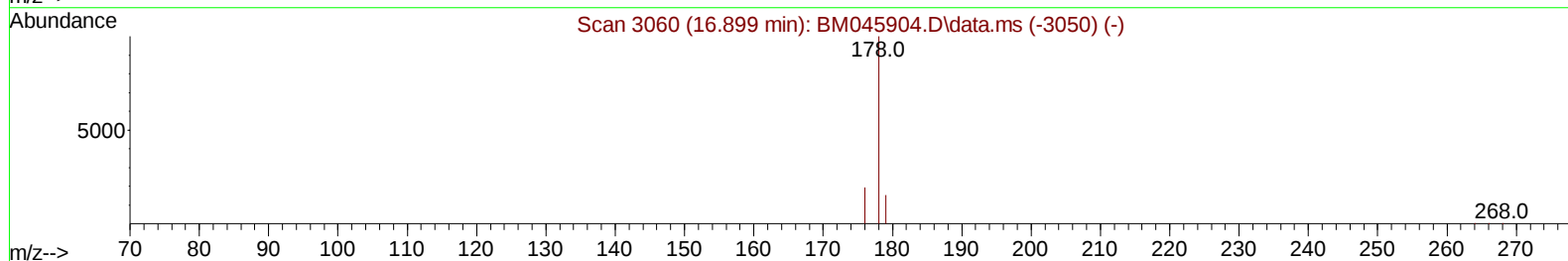
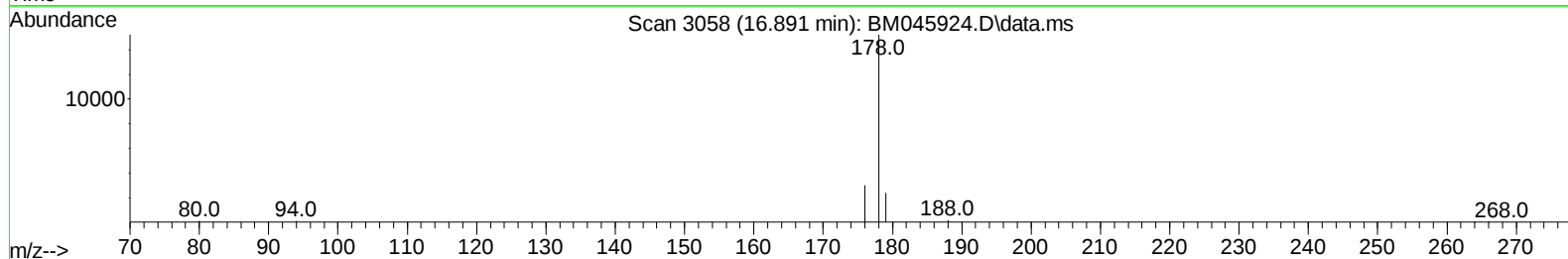
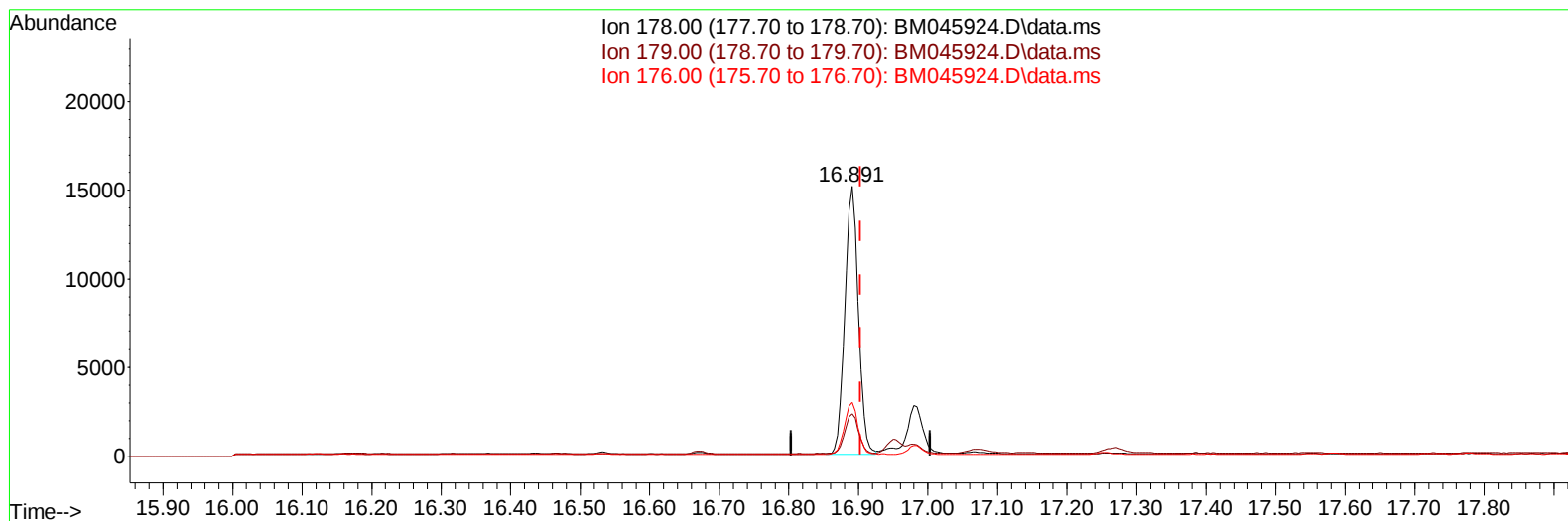
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(15) Phenanthrene

16.891min (-0.013) 0.29 ng/ul m

response 20199

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.79
176.00	19.50	20.04
0.00	0.00	0.00

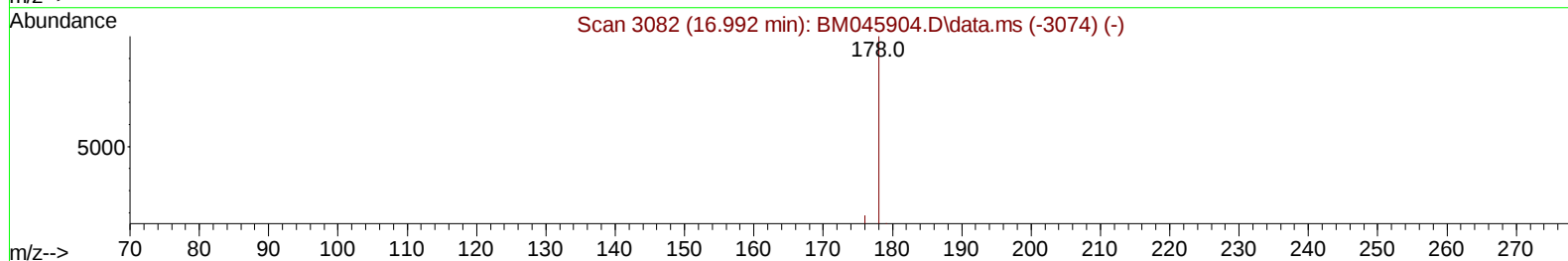
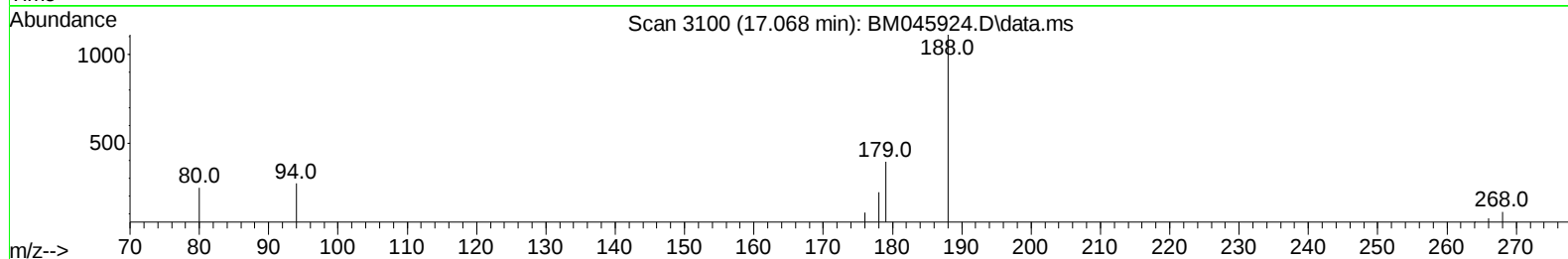
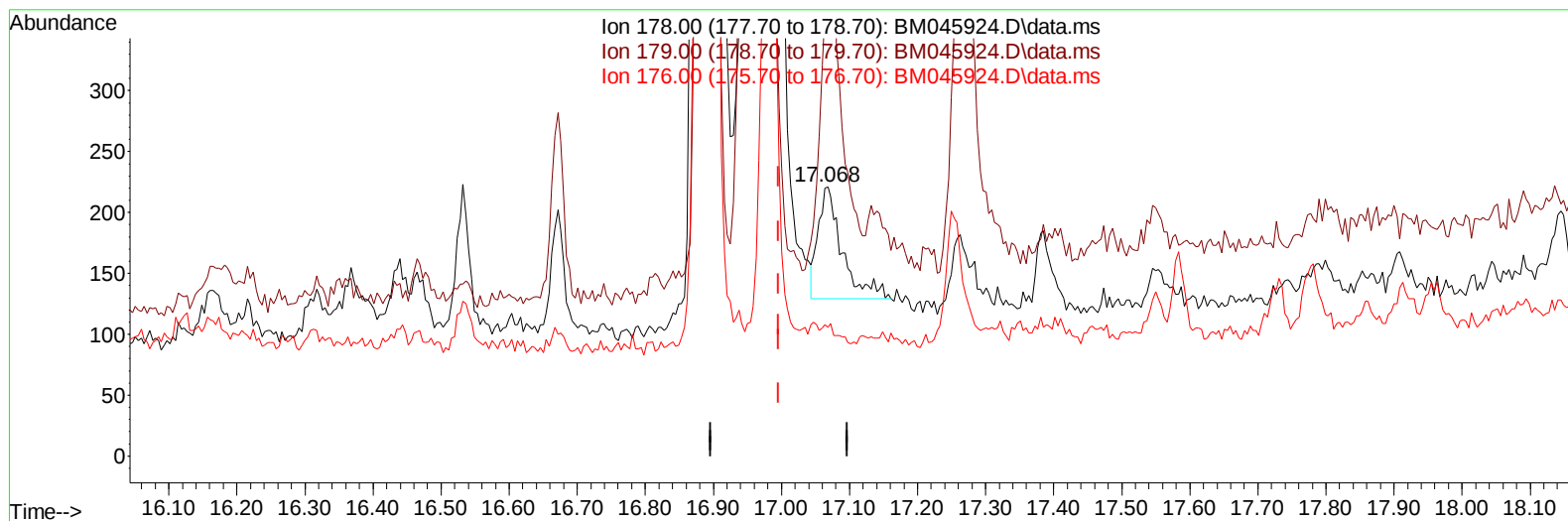
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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: BM045924.D\data.ms

(16) Anthracene

17.068min (+ 0.072) 0.00 ng/u1

response 227

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	178.73#
176.00	19.40	47.96#
0.00	0.00	0.00

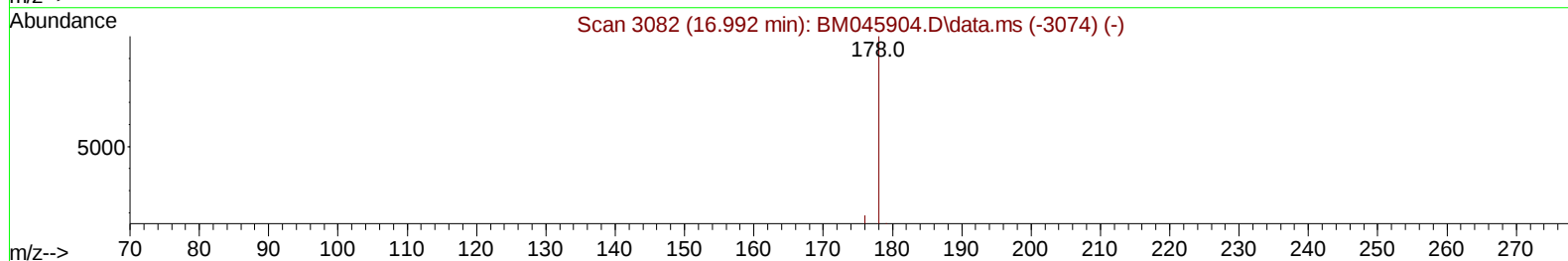
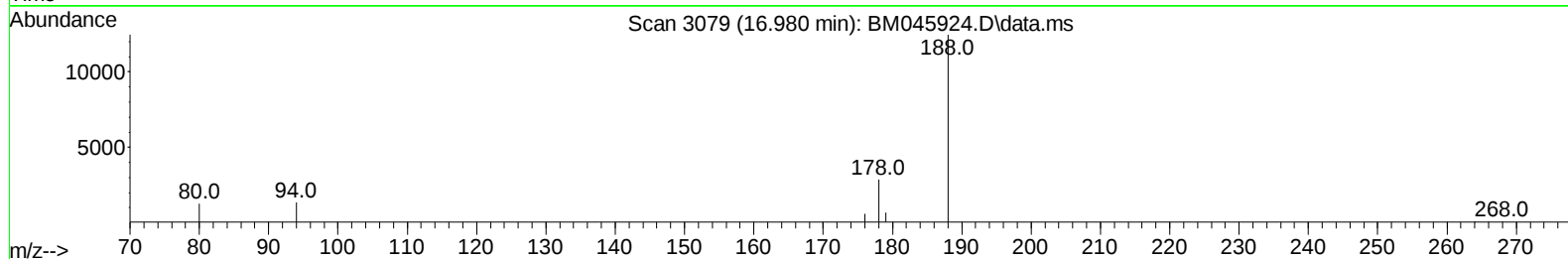
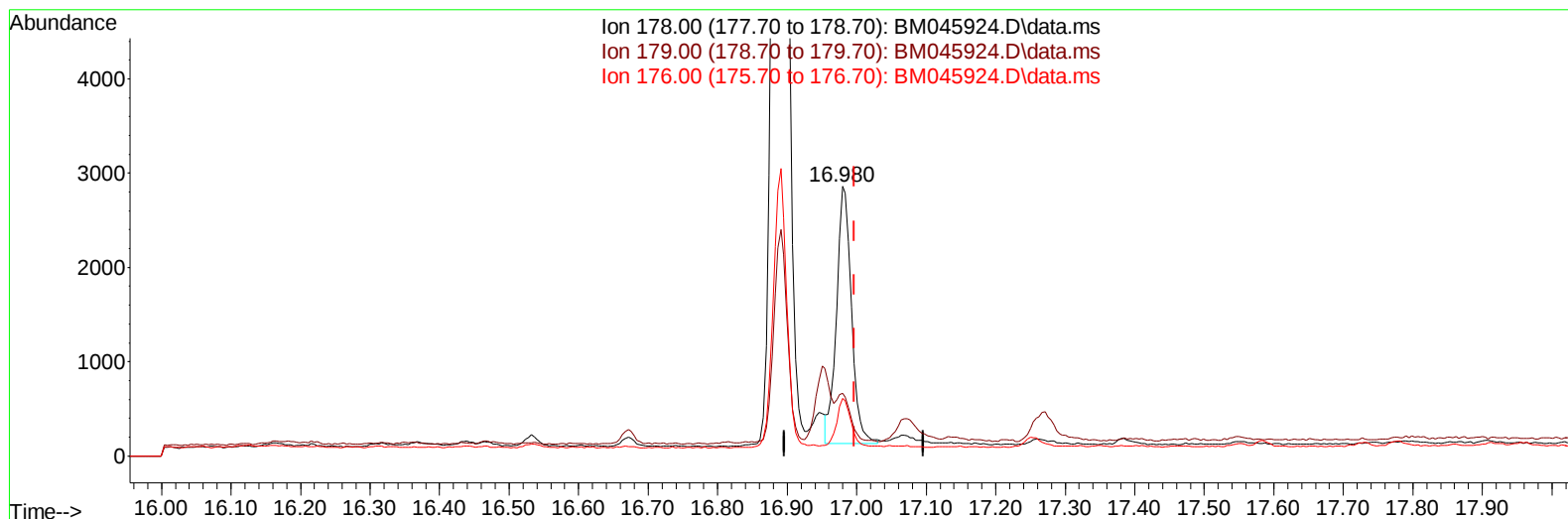
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(16) Anthracene

16.980min (-0.017) 0.07 ng/ul m

response 4069

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	23.15#
176.00	19.40	21.37
0.00	0.00	0.00

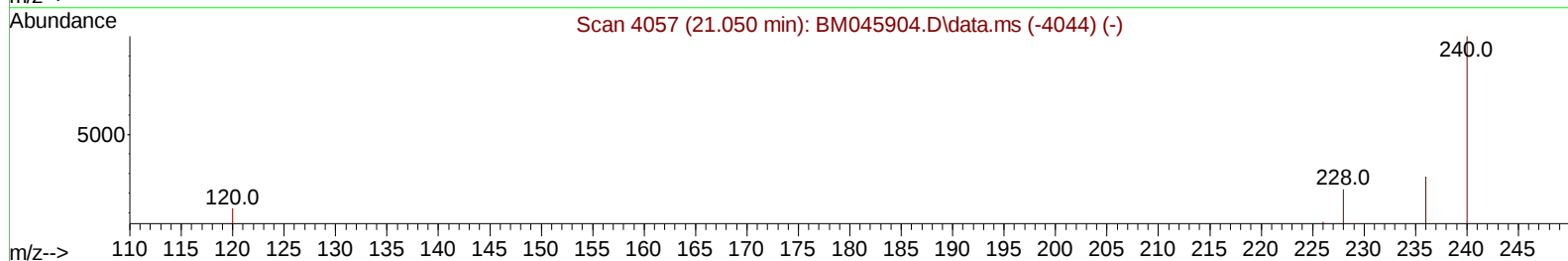
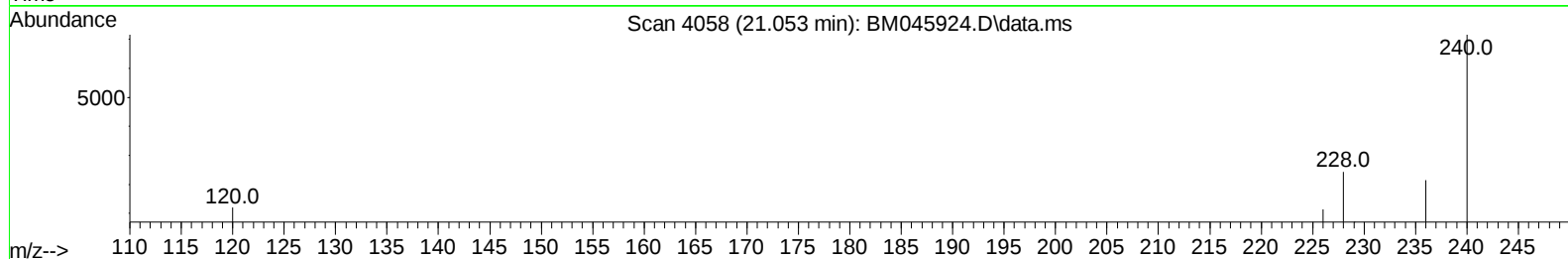
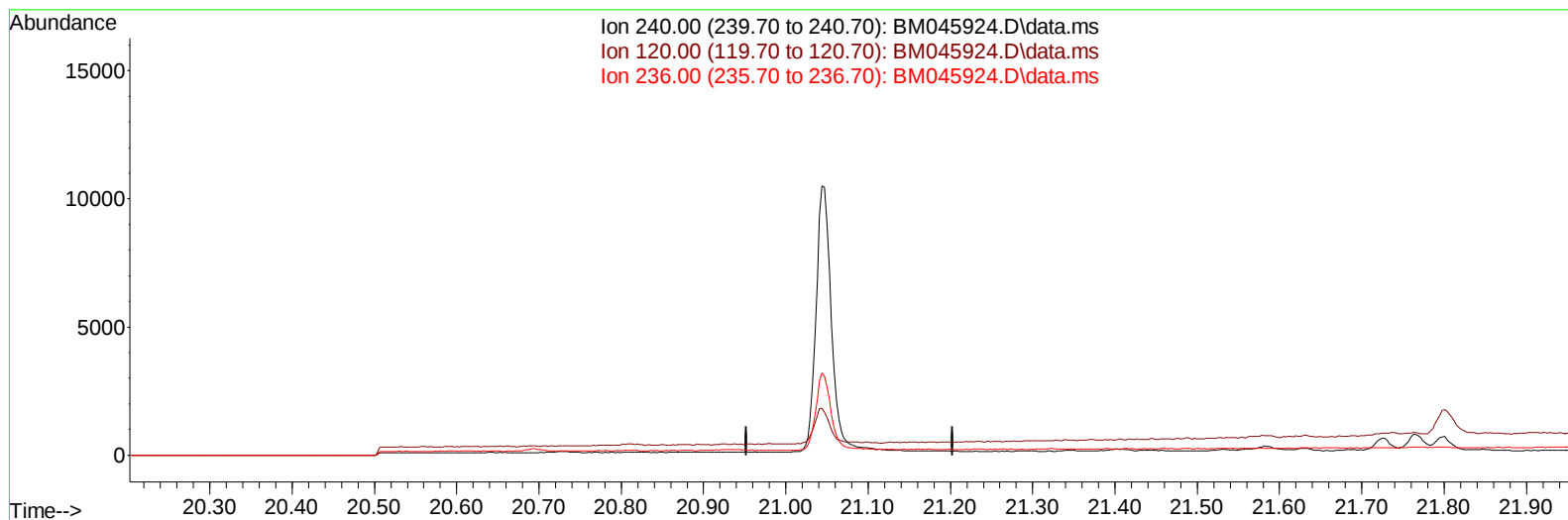
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
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TIC: BM045924.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

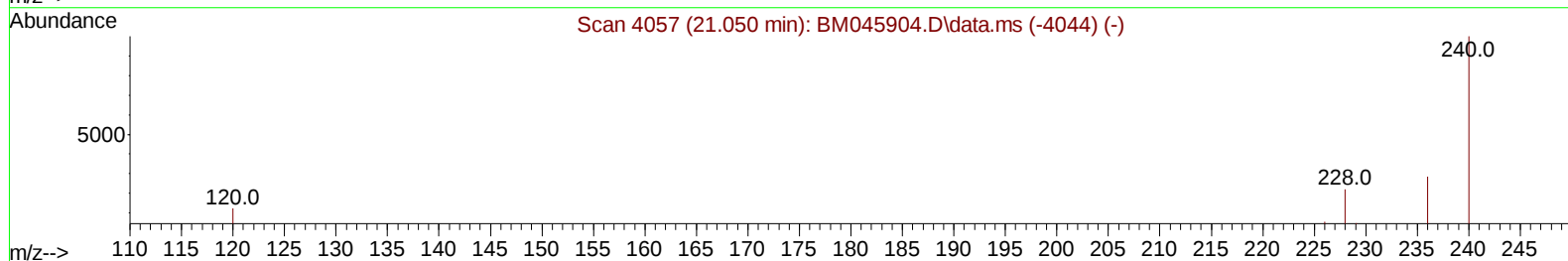
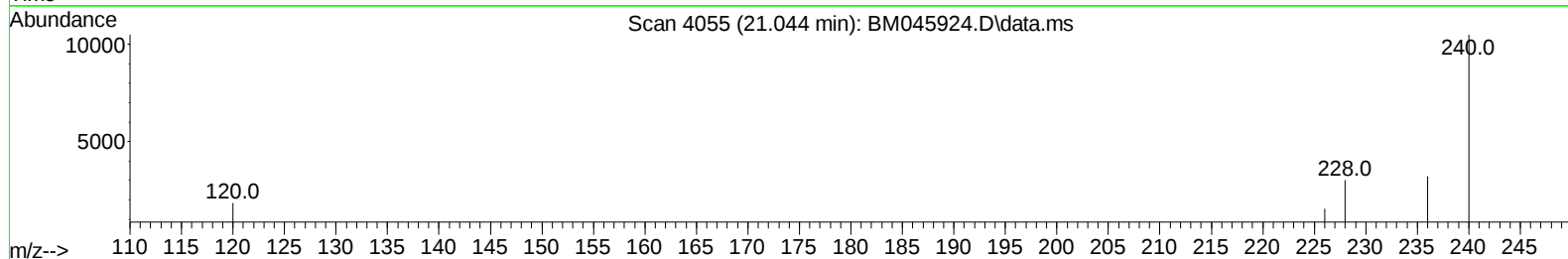
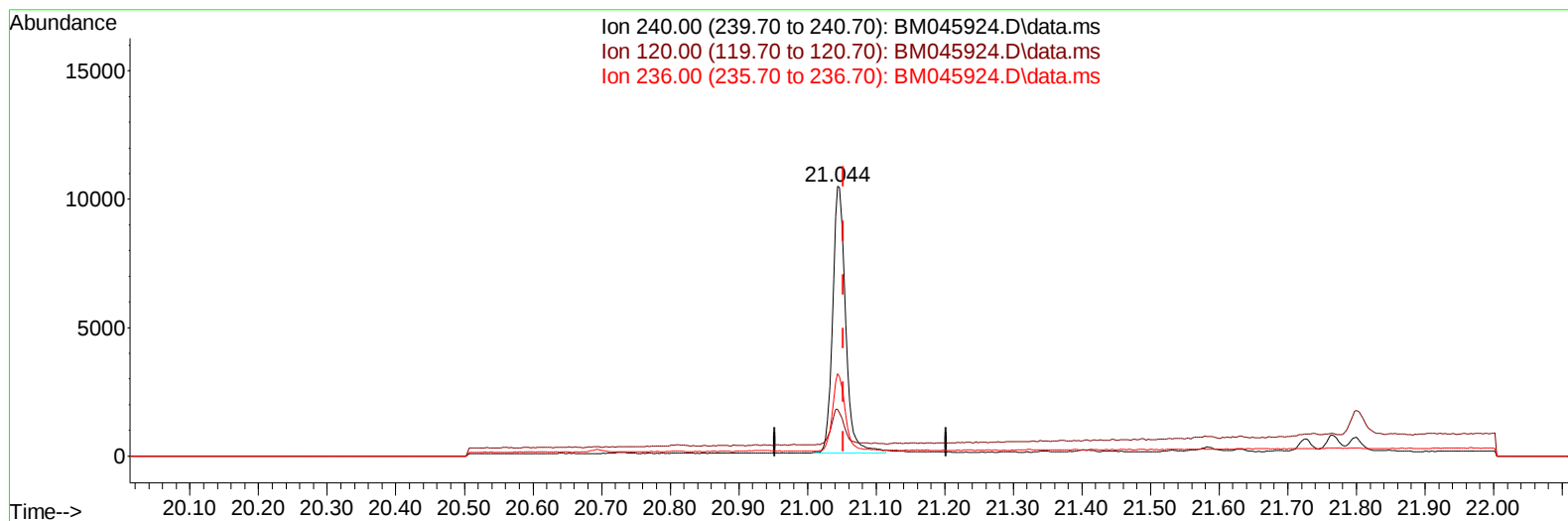
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(17) Chrysene-d12

21.044min (-0.009) 0.40 ng/ul m

response 13692

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	17.39
236.00	29.50	30.46
0.00	0.00	0.00

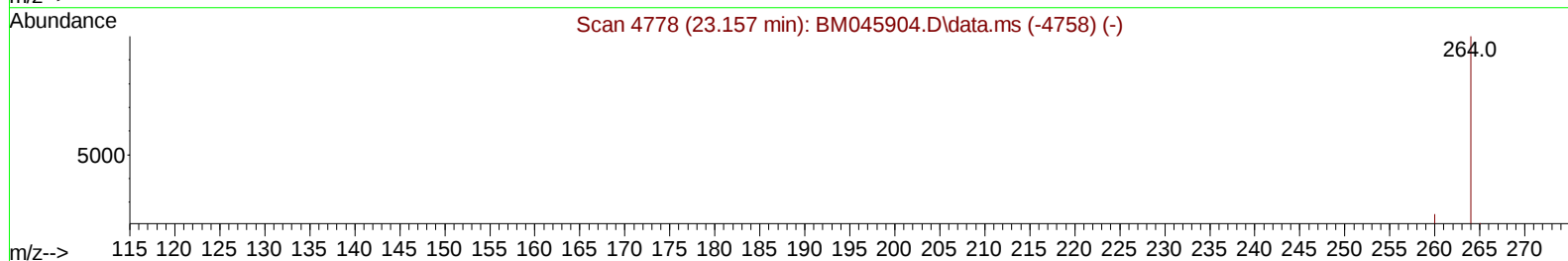
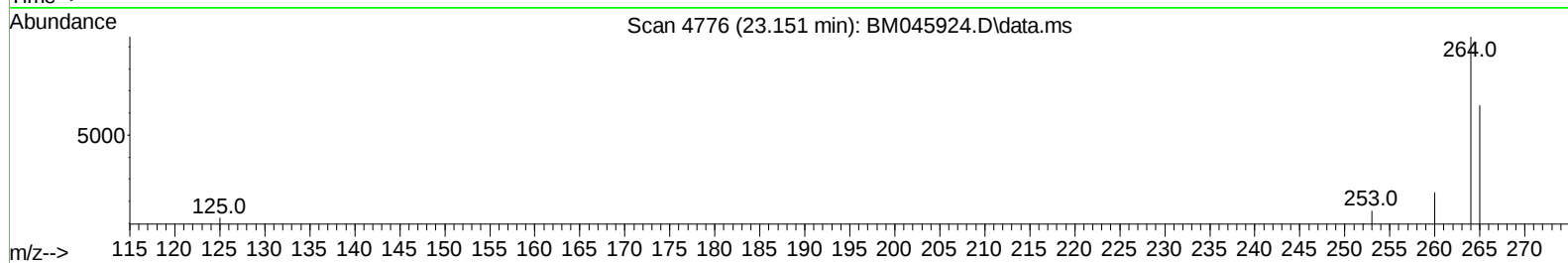
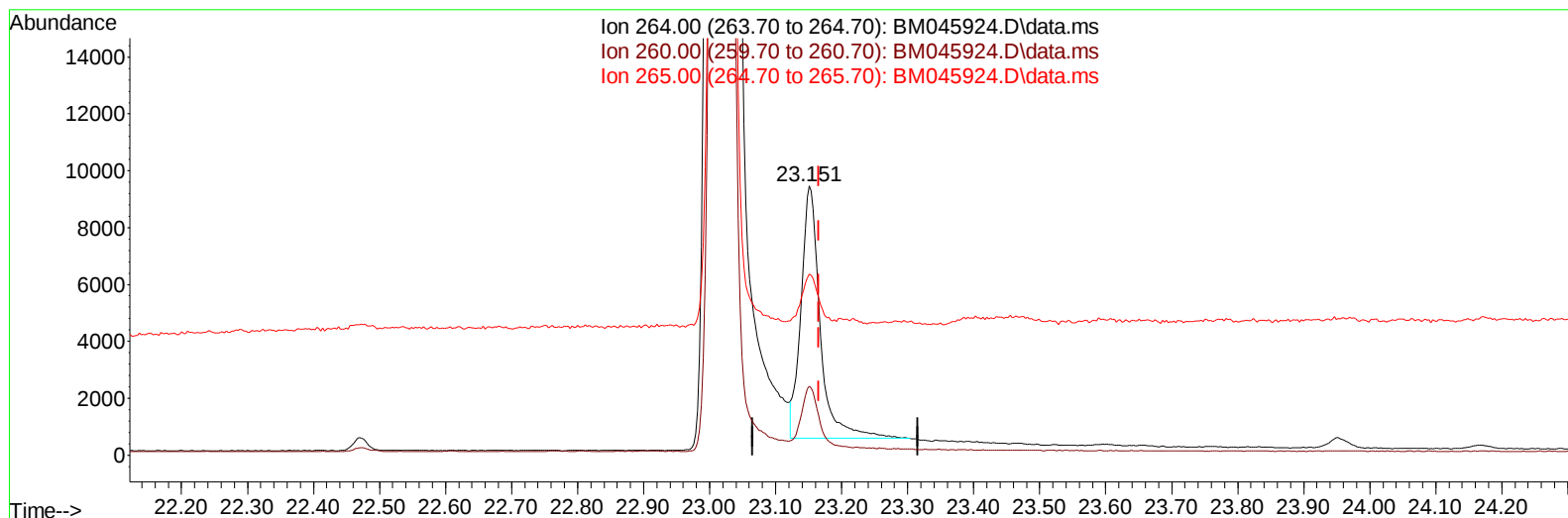
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(23) Perylene-d12 (I)

23.151min (-0.015) 0.40 ng/u1

response 18196

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.52
265.00	76.60	67.21
0.00	0.00	0.00

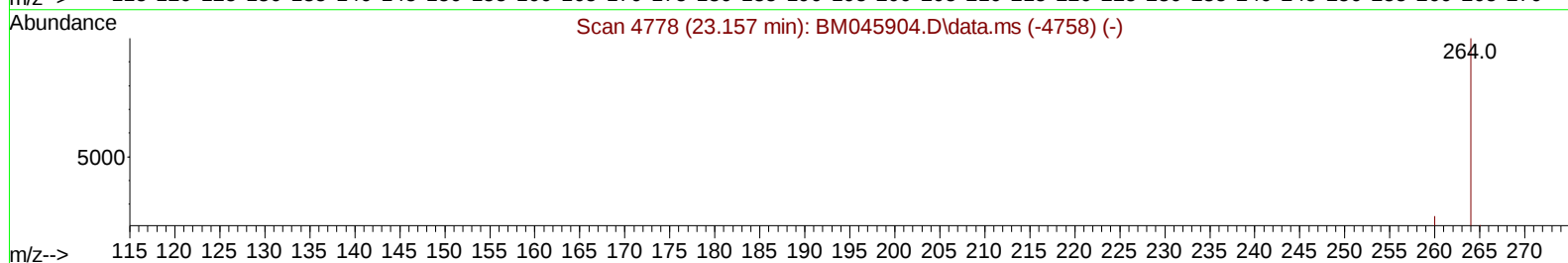
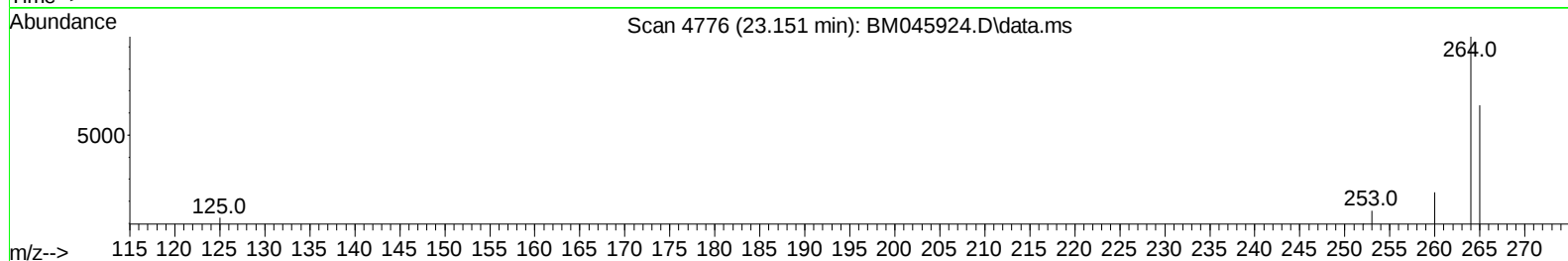
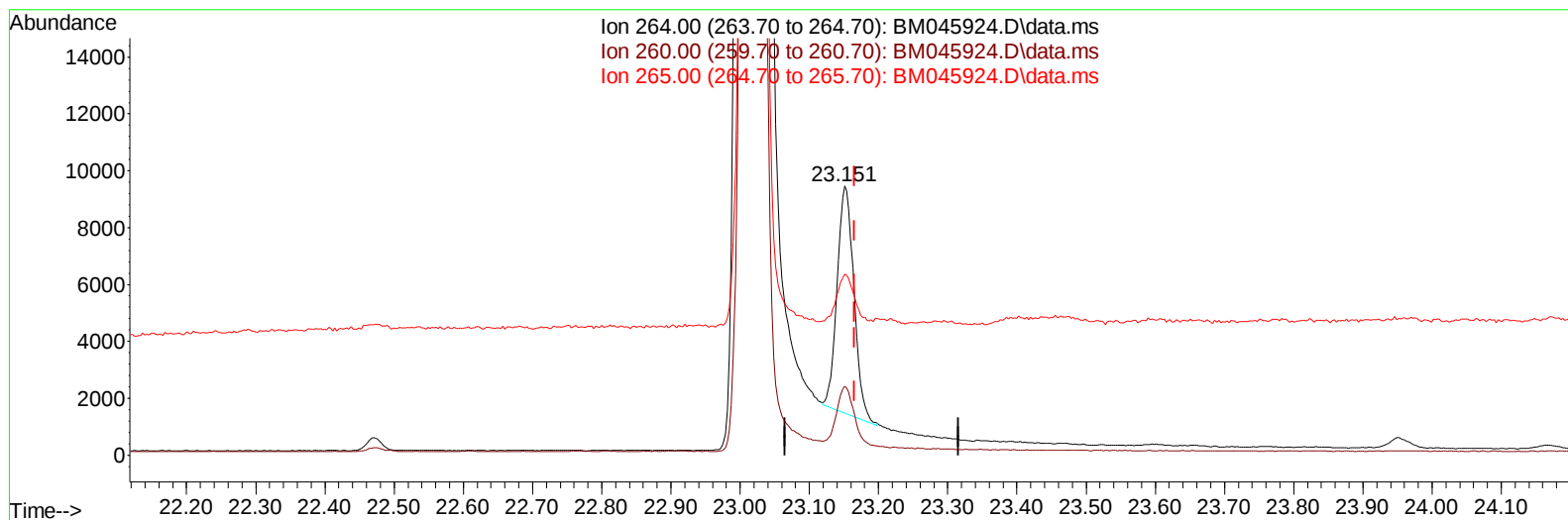
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(23) Perylene-d12 (I)

23.151min (-0.015) 0.40 ng/ul m

response 13454

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.52
265.00	76.60	67.21
0.00	0.00	0.00

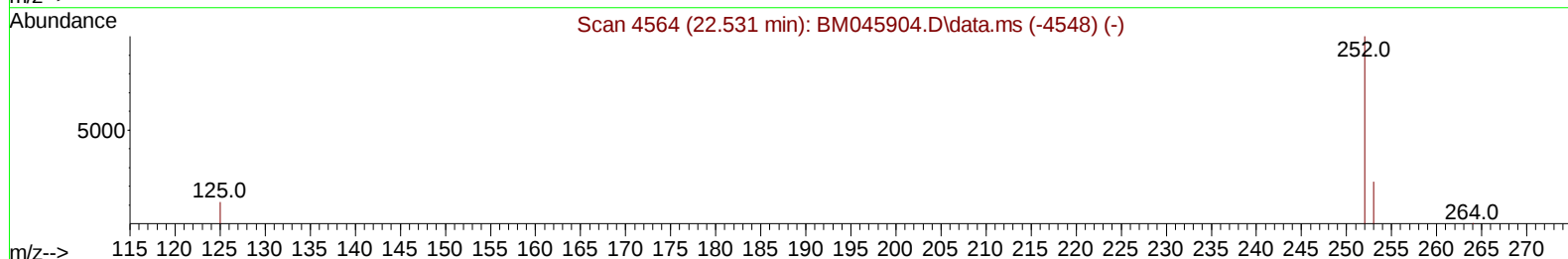
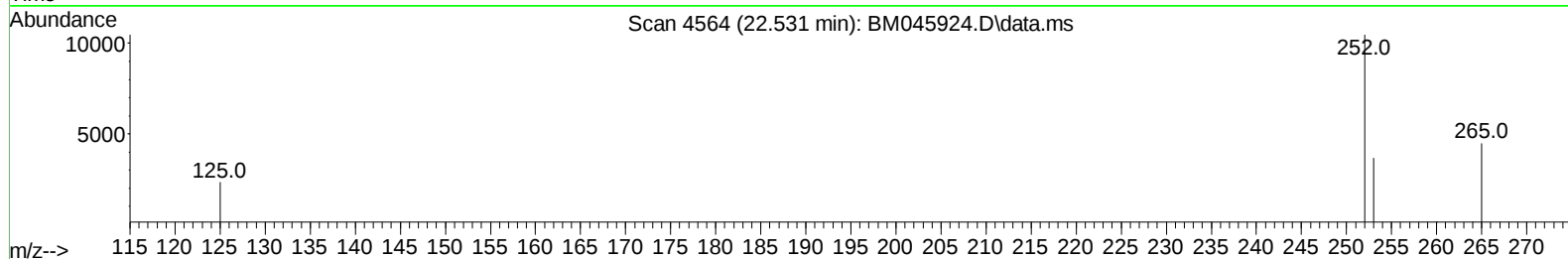
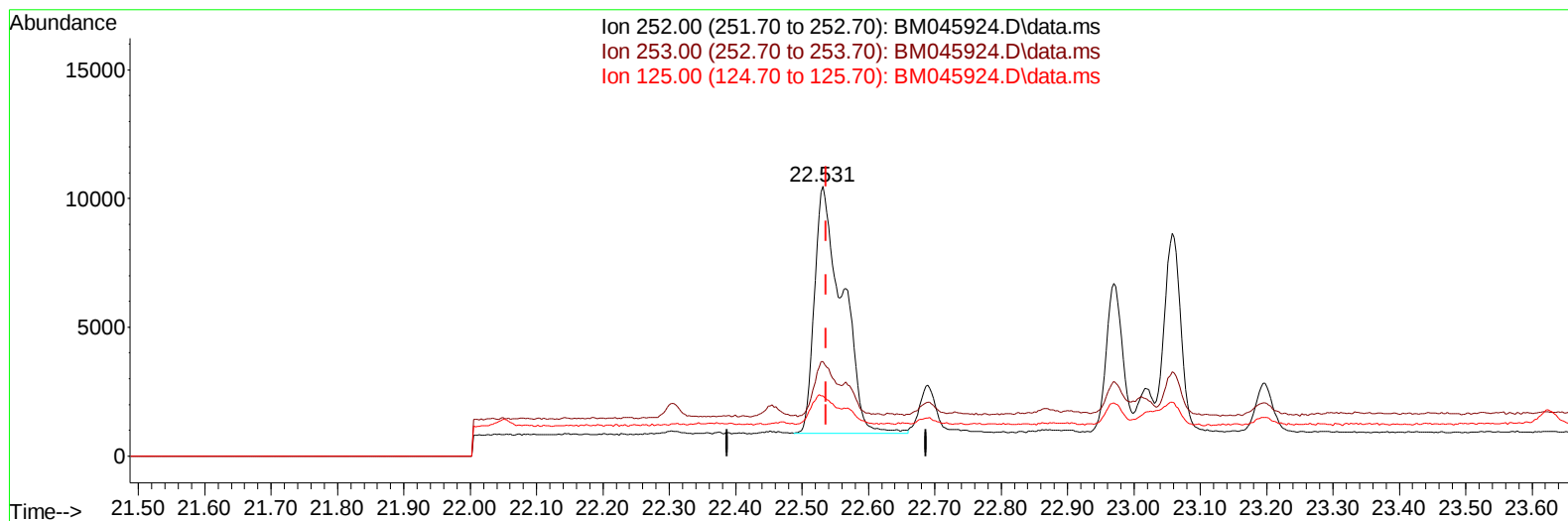
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 2024
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TIC: BM045924.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 0.63 ng/u1

response 28048

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	35.02
125.00	17.90	22.39
0.00	0.00	0.00

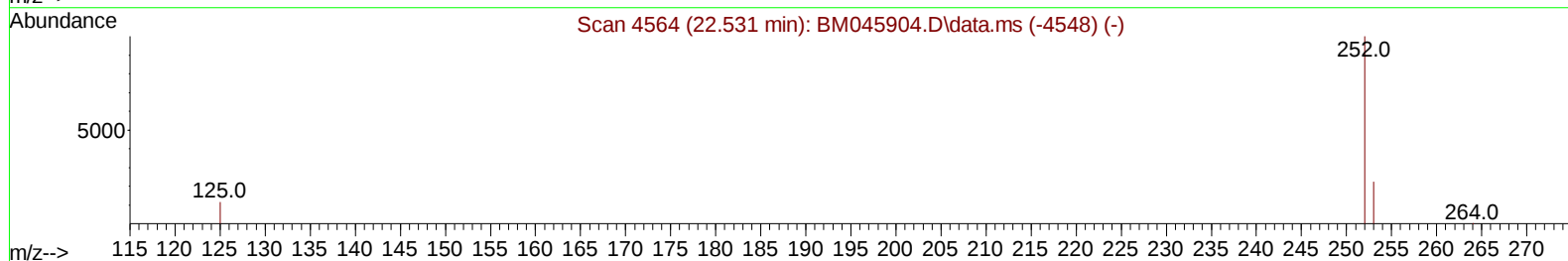
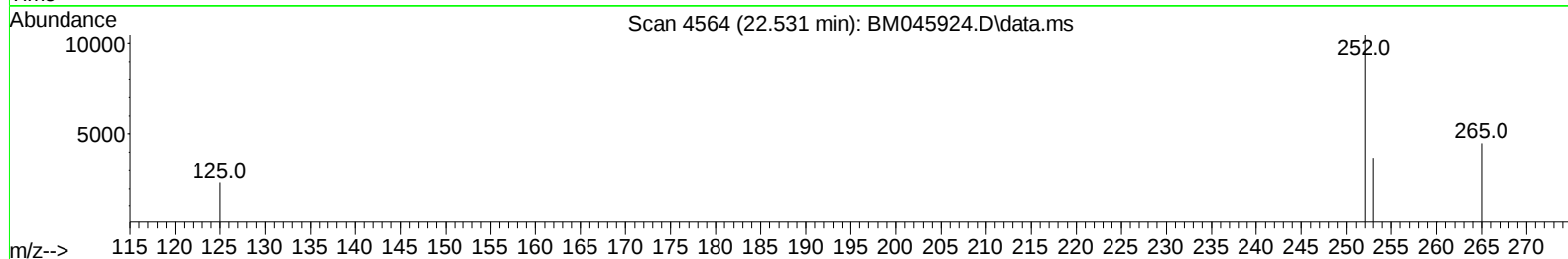
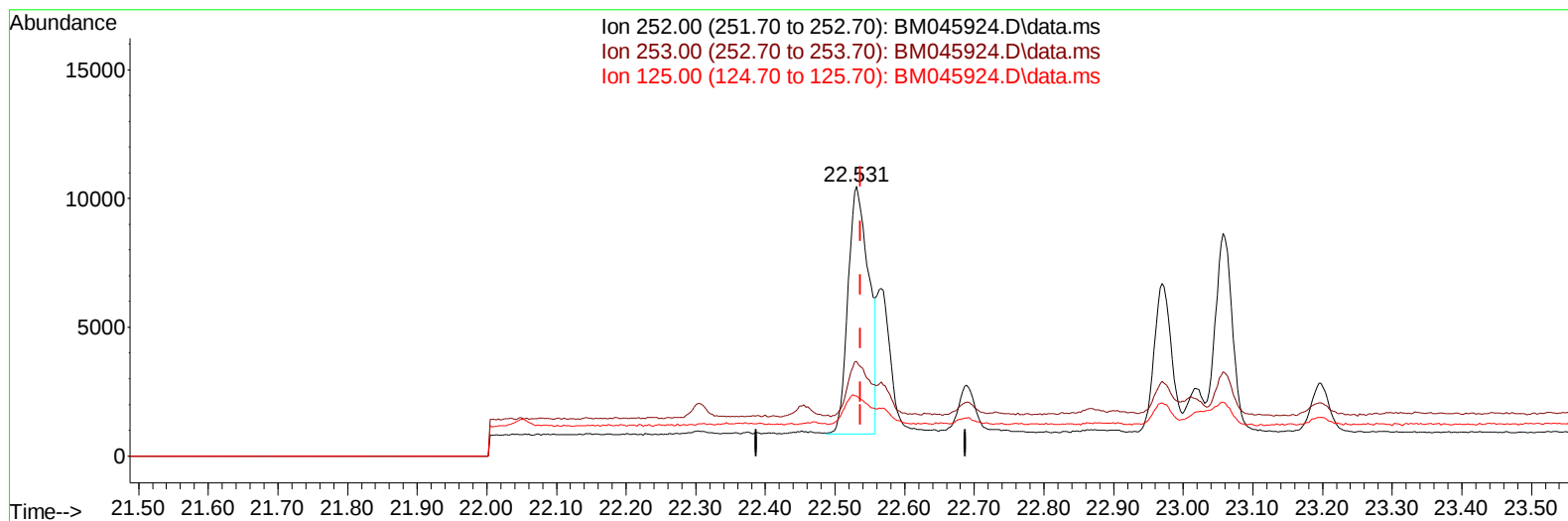
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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 :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 0.45 ng/u1 m

response 20111

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	35.02
125.00	17.90	22.39
0.00	0.00	0.00

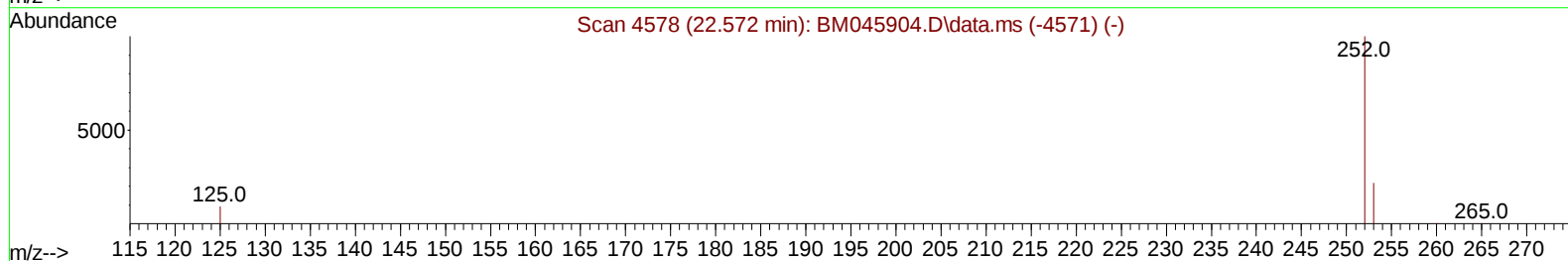
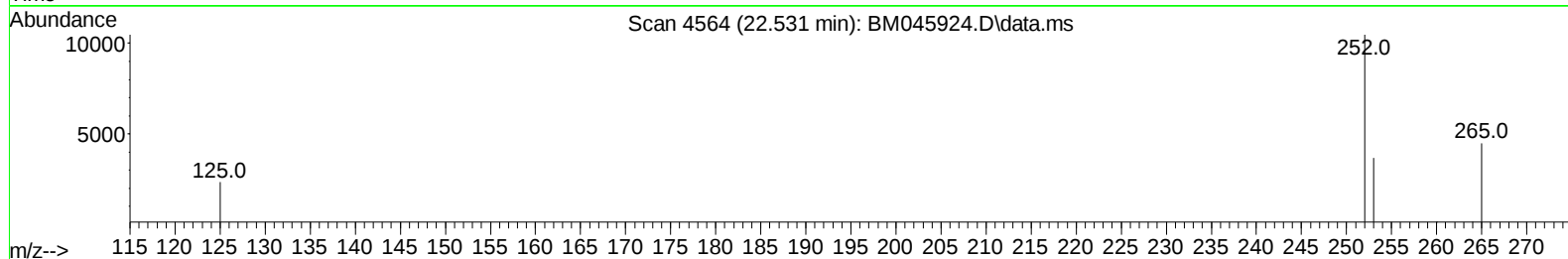
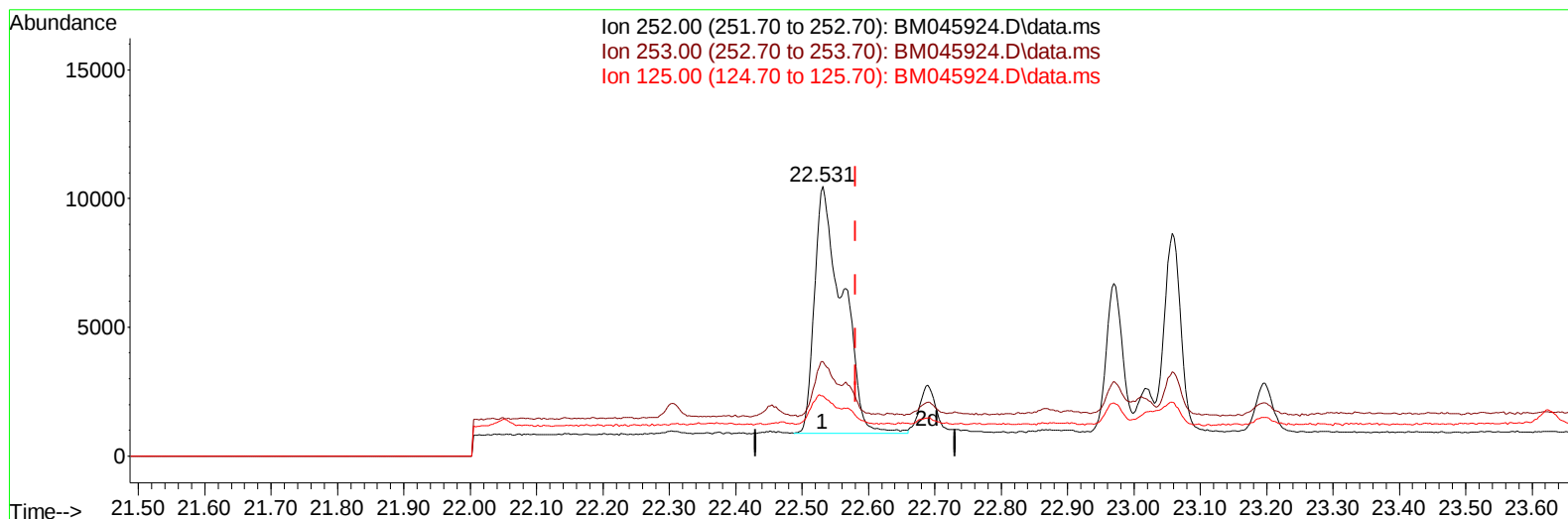
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:51 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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Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045924.D\data.ms

(25) Benzo(k)fluoranthene

22.531min (-0.050) 0.57 ng/u1

response 28048

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	35.02
125.00	17.70	22.39#
0.00	0.00	0.00

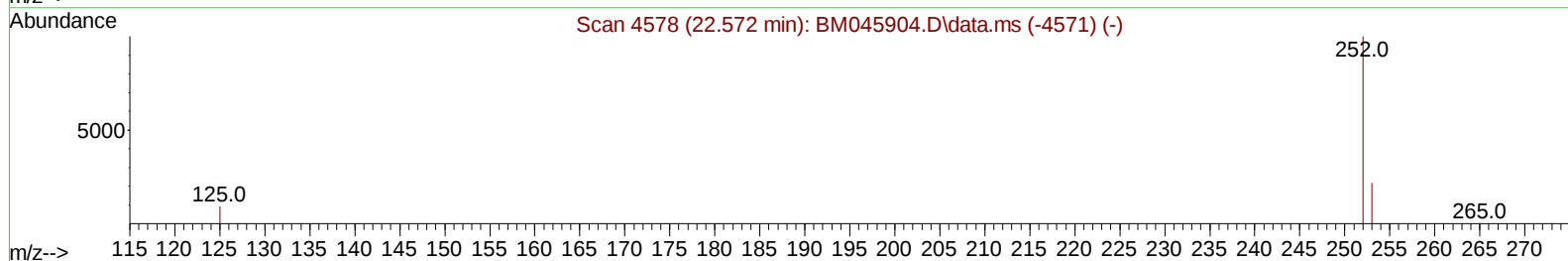
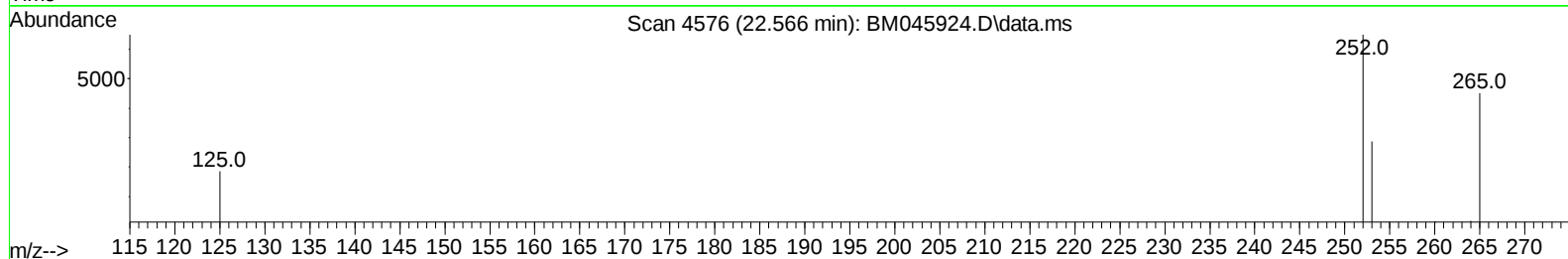
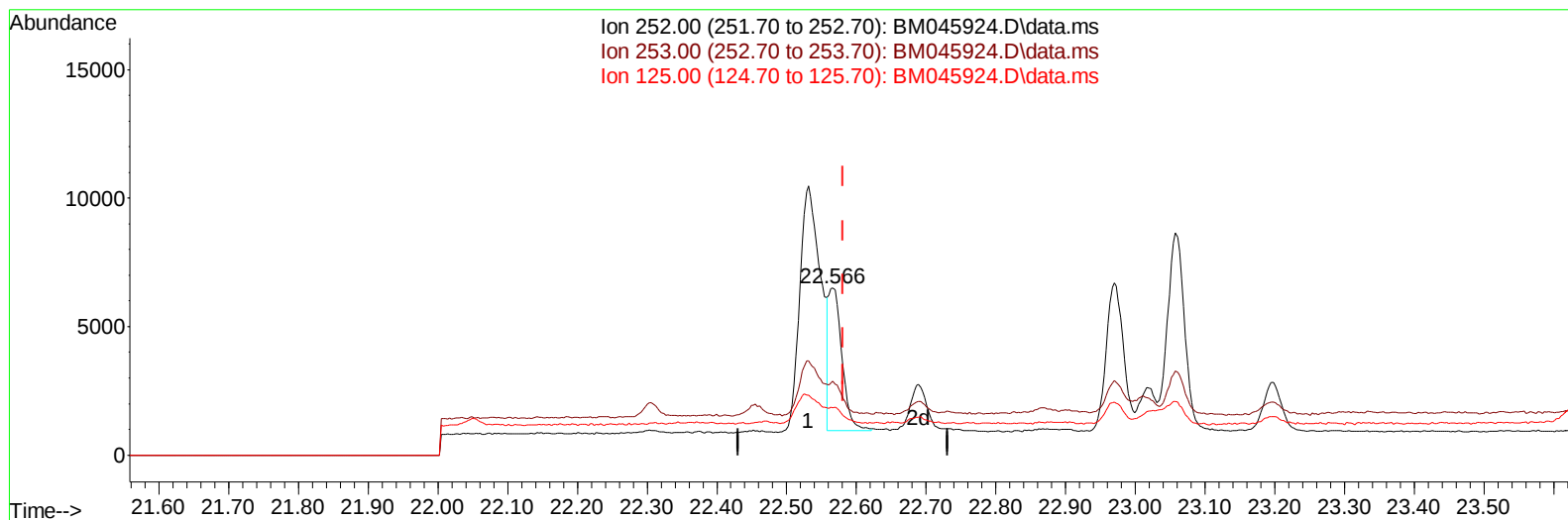
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045924.D
Acq On : 08 Jun 2024 19:53
Operator : MA/JU
Sample : P2640-07
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C20

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 10 01:29:51 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



TIC: BM045924.D\data.ms

(25) Benzo(k)fluoranthene

22.566min (-0.015) 0.15 ng/u1 m

response 7489

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	44.20#
125.00	17.70	28.49#
0.00	0.00	0.00

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.464	152		6107	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.231	136		21223	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.108	164		11775	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.849	188		24550m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.044	240		13692m	0.400	ng/ul	0.00
23) Perylene-d12	23.151	264		13454m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.059	96		22234	3.197	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.837	152		6510	0.213	ng/ul	-0.01
18) Fluoranthene-d10	18.880	212		11905	0.290	ng/ul	-0.01
Target Compounds							
						Qvalue	
10) Acenaphthylene	13.825	152		1809	0.034	ng/ul#	88
12) Fluorene	15.162	166		912	0.021	ng/ul#	93
15) Phenanthrene	16.891	178		20199m	0.293	ng/ul	
16) Anthracene	16.980	178		4069m	0.069	ng/ul	
19) Fluoranthene	18.913	202		42236	0.774	ng/ul	98
20) Pyrene	19.275	202		35650	0.626	ng/ul	98
21) Benzo(a)anthracene	21.029	228		14606	0.291	ng/ul	95
22) Chrysene	21.082	228		16577	0.303	ng/ul	98
24) Benzo(b)fluoranthene	22.531	252		20111m	0.451	ng/ul	
25) Benzo(k)fluoranthene	22.566	252		7489m	0.153	ng/ul	
26) Benzo(a)pyrene	23.057	252		13279	0.299	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.216	276		10622	0.185	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.226	278		2456	0.054	ng/ul#	21
29) Benzo(g,h,i)perylene	25.843	276		10824	0.219	ng/ul	94

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

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