

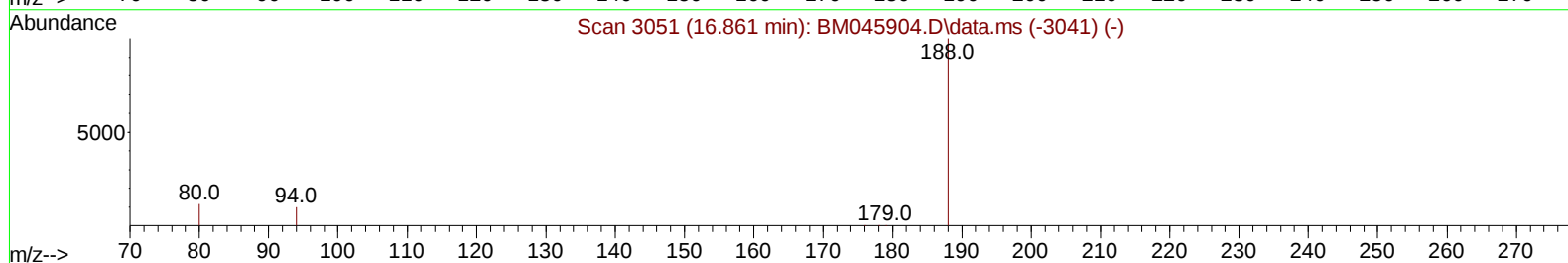
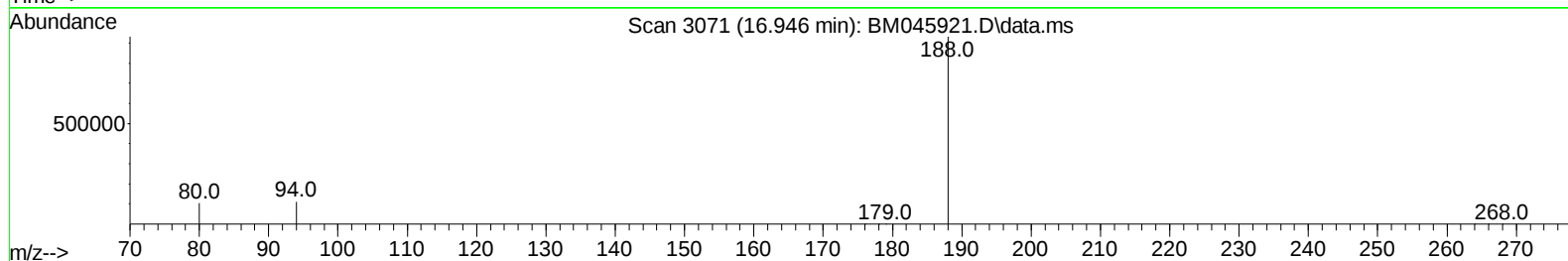
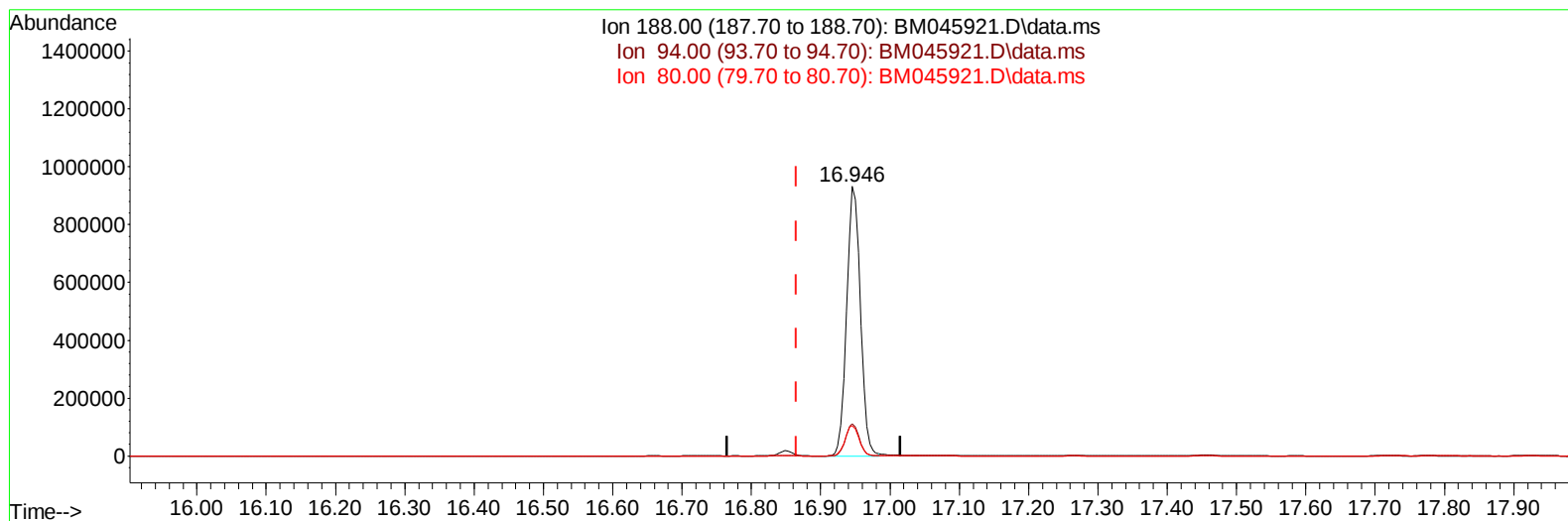
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:27 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: BM045921.D\data.ms

(13) Phenanthrene-d10 (I)

16.946min (+ 0.080) 0.40 ng/u1

response 1283983

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.89
80.00	11.70	11.25
0.00	0.00	0.00

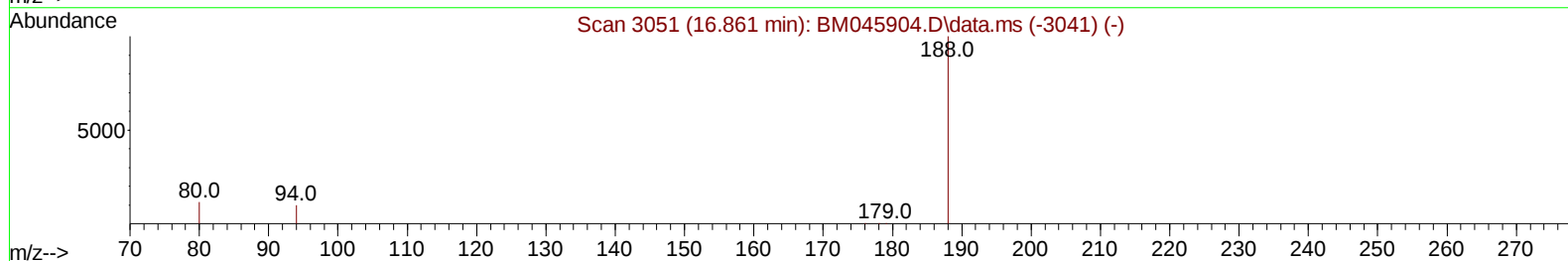
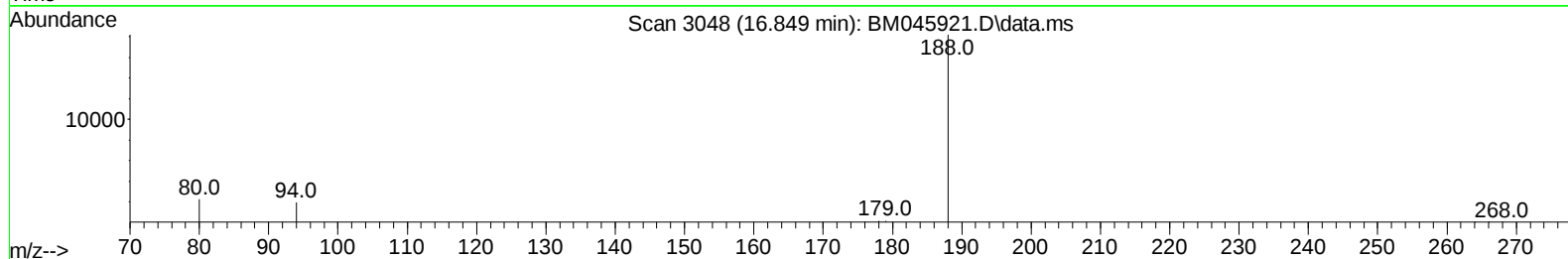
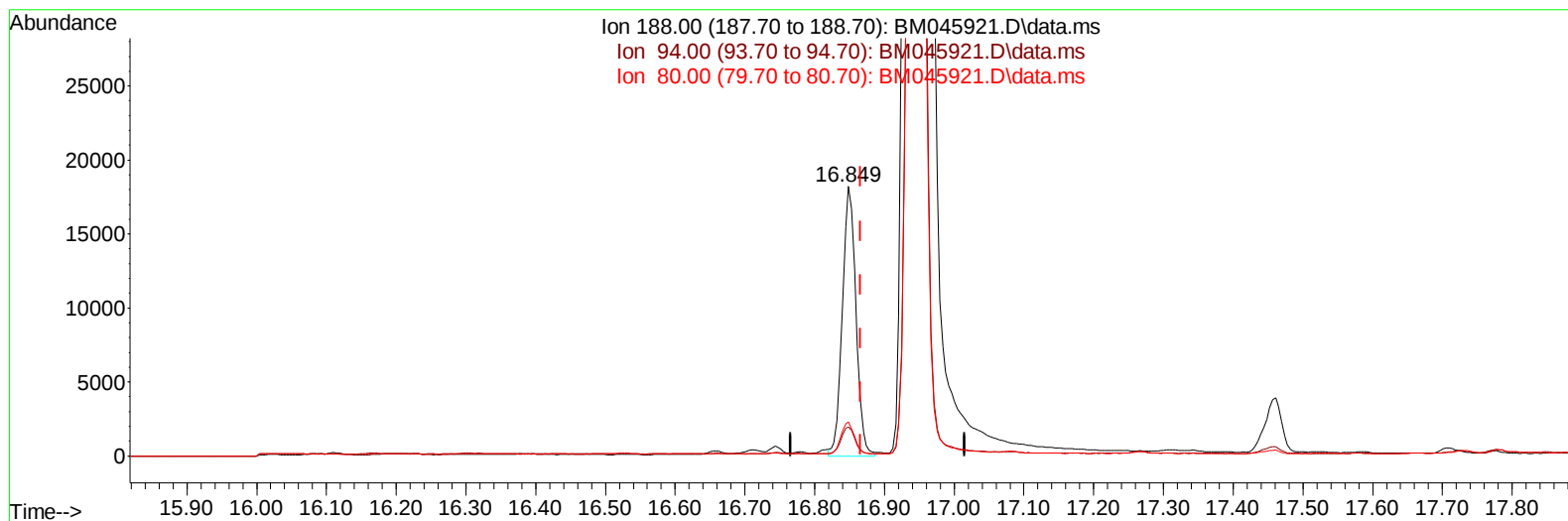
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM045921.D\data.ms

(13) Phenanthrene-d10 (I)

16.849min (-0.017) 0.40 ng/ul m

response 24544

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	10.81
80.00	11.70	12.55
0.00	0.00	0.00

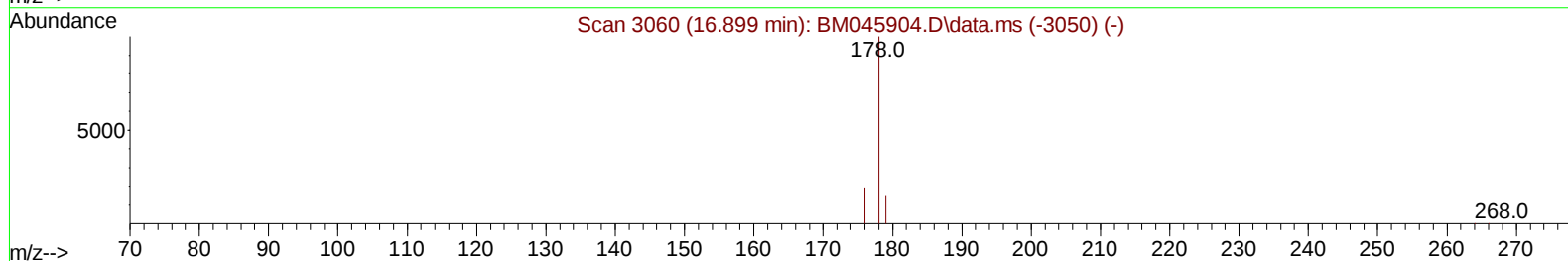
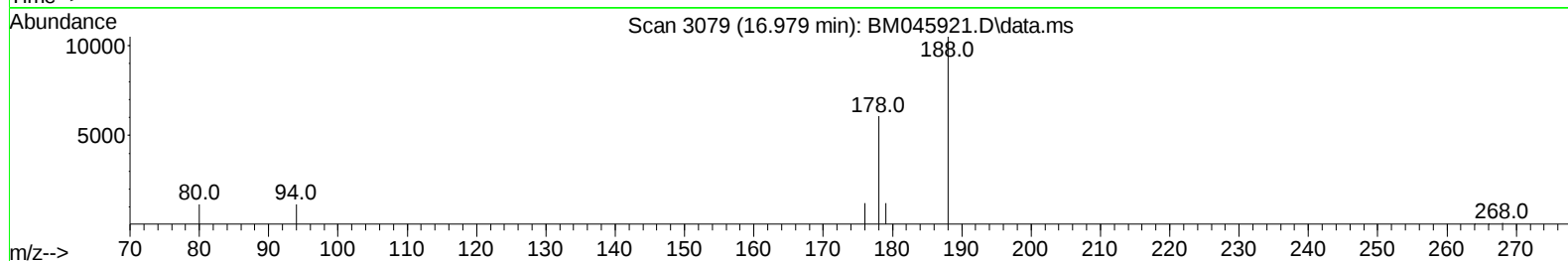
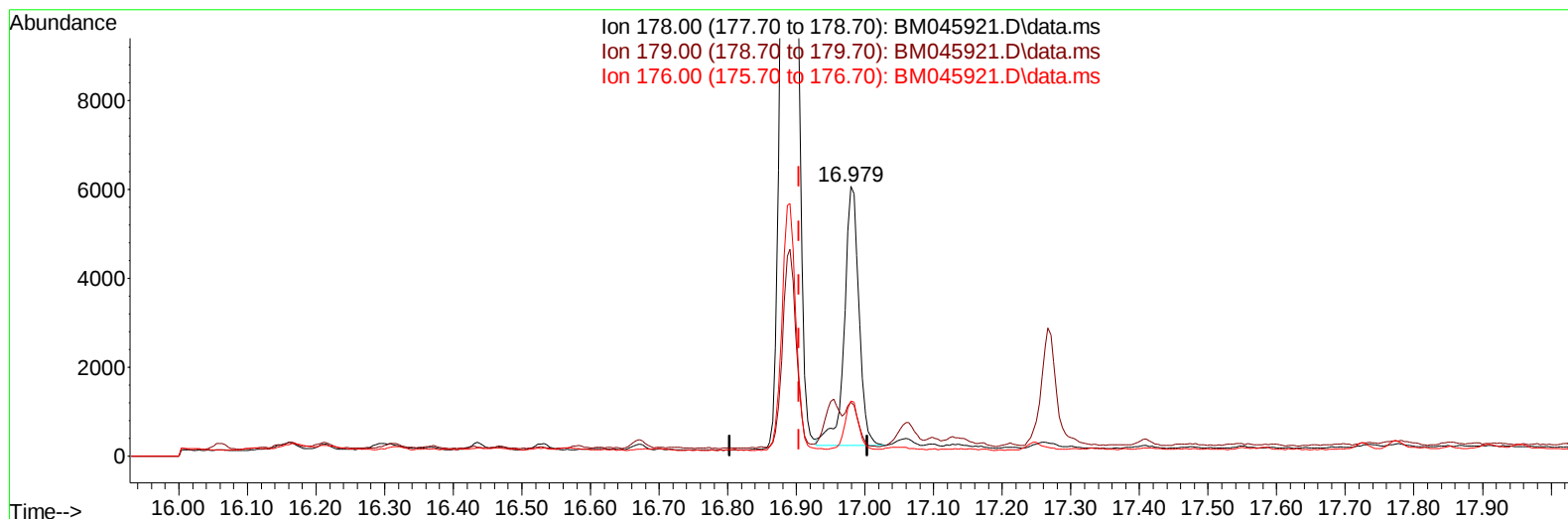
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

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TIC: BM045921.D\data.ms

(15) Phenanthrene

16.979min (+ 0.076) 0.12 ng/u1

response 8555

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	19.92#
176.00	19.50	20.31
0.00	0.00	0.00

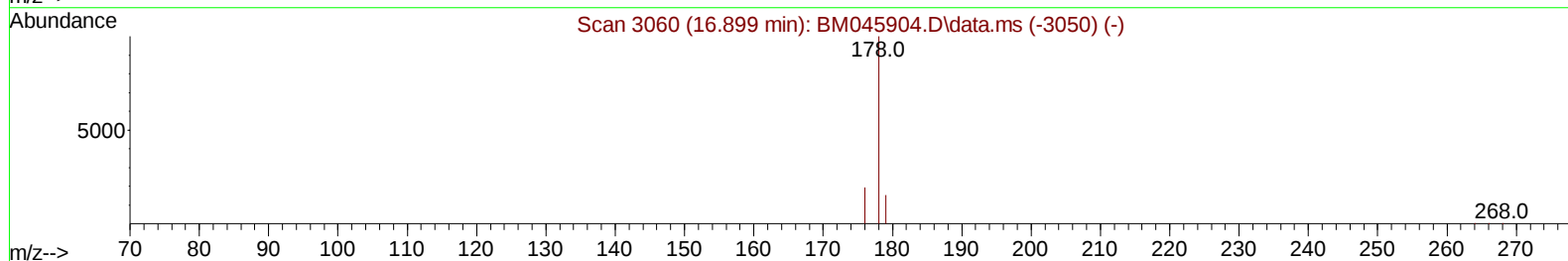
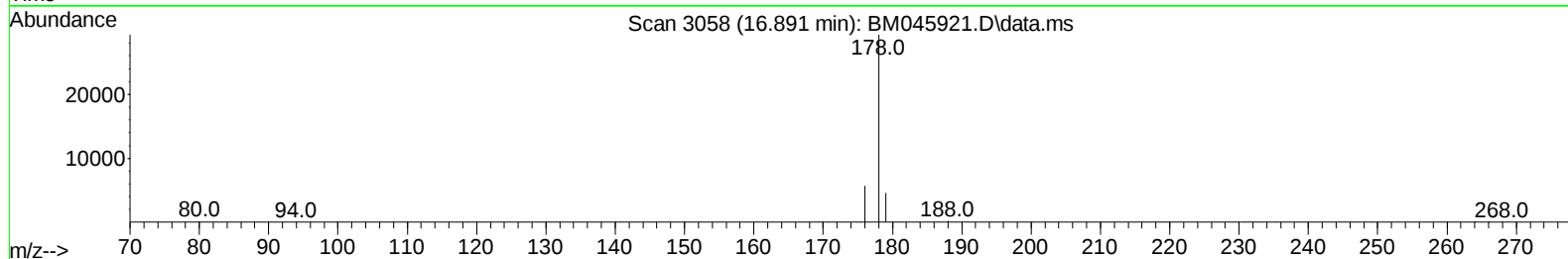
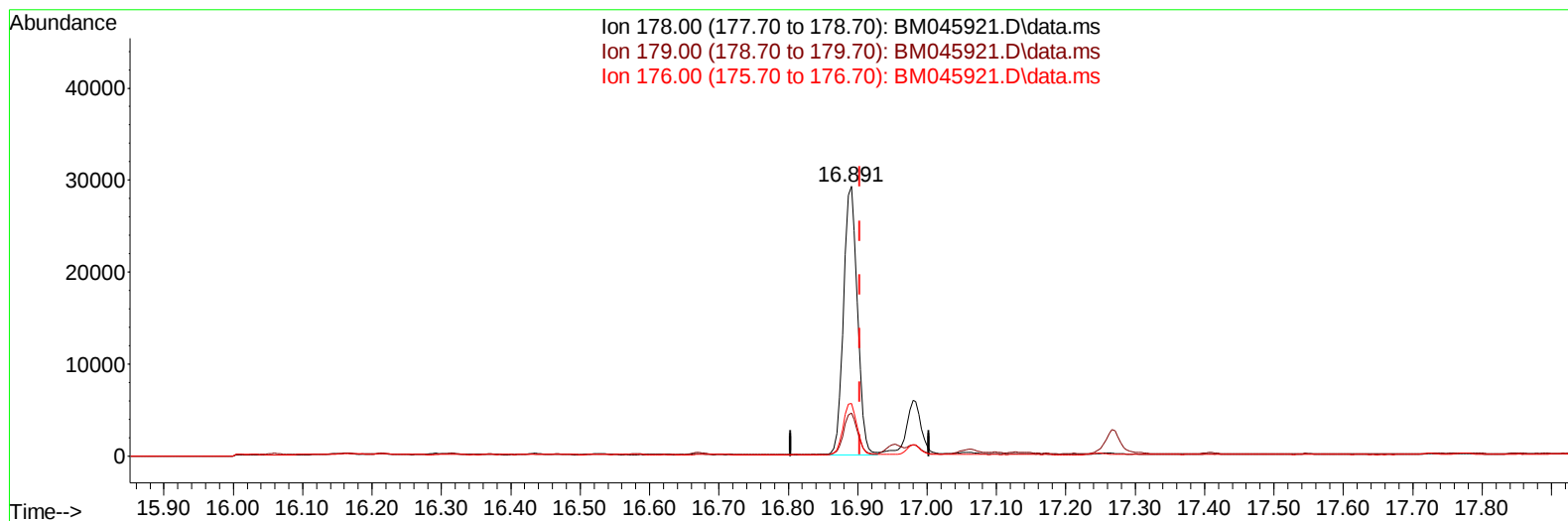
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:27 2024
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TIC: BM045921.D\data.ms

(15) Phenanthrene

16.891min (-0.013) 0.59 ng/u1 m

response 40387

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.87
176.00	19.50	19.41
0.00	0.00	0.00

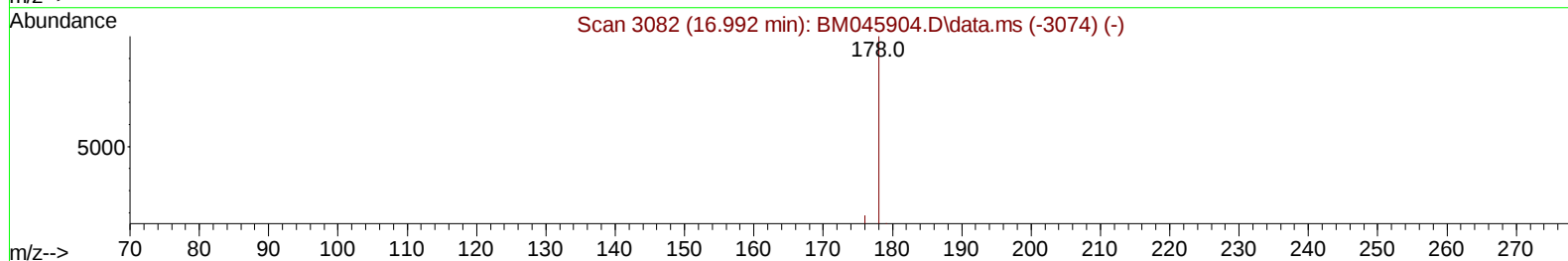
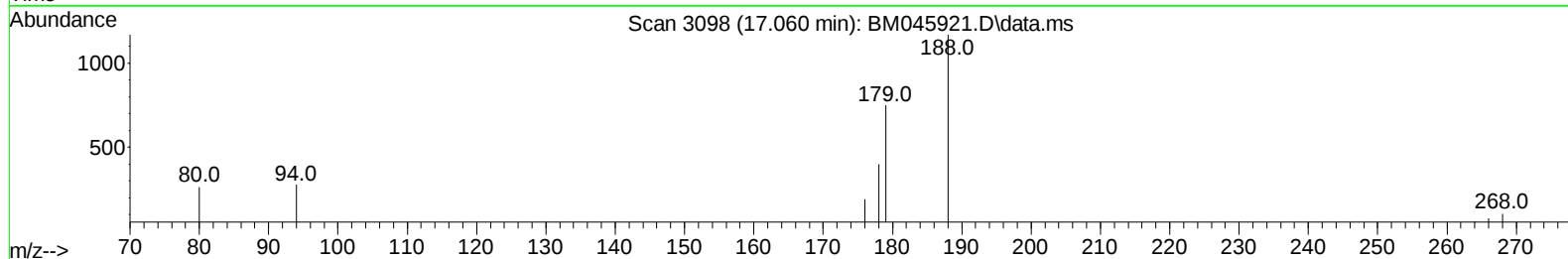
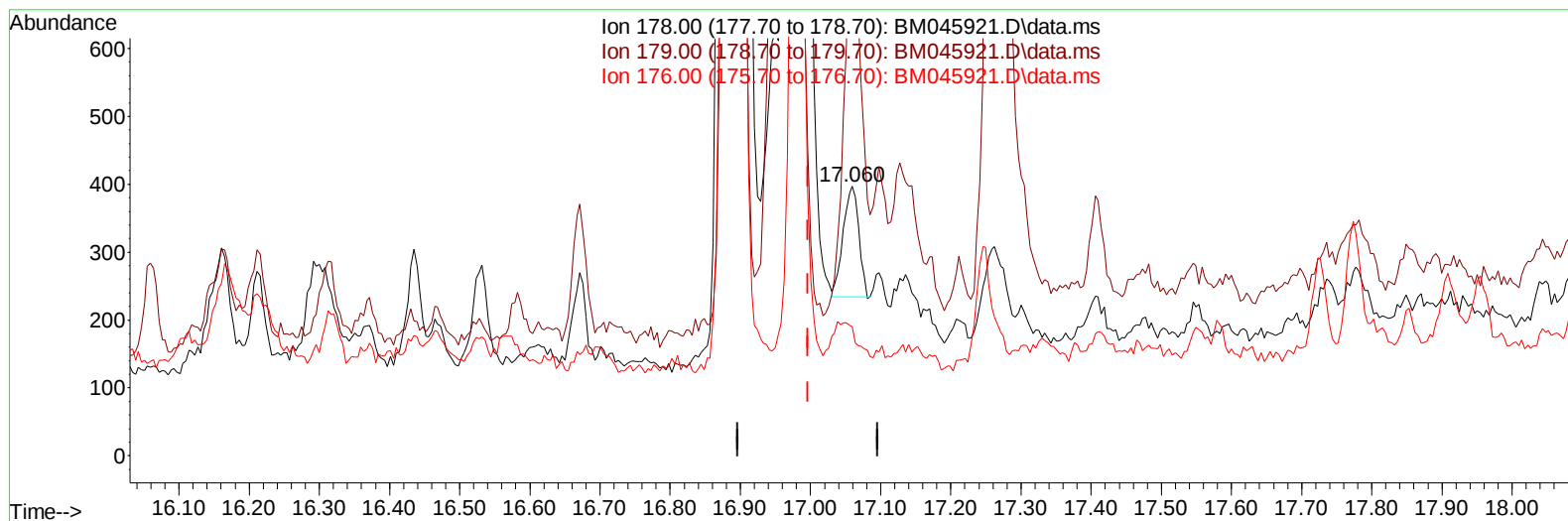
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

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TIC: BM045921.D\data.ms

(16) Anthracene

17.060min (+ 0.063) 0.00 ng/u1

response 252

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	188.66#
176.00	19.40	47.86#
0.00	0.00	0.00

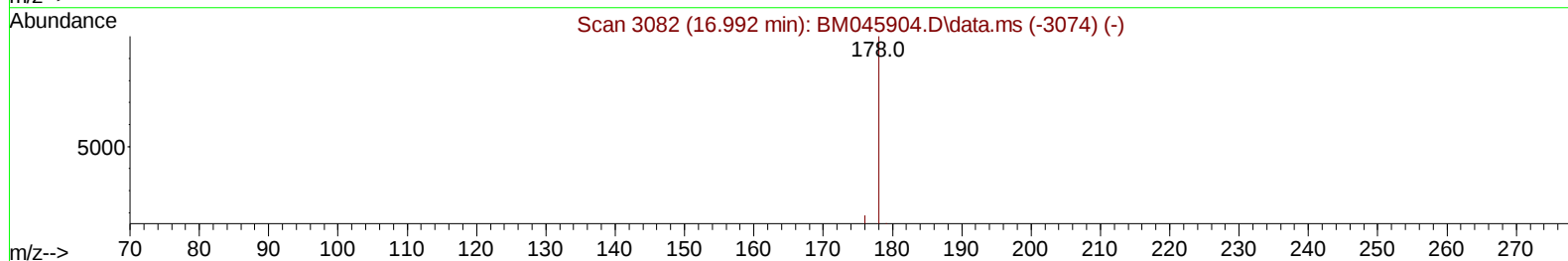
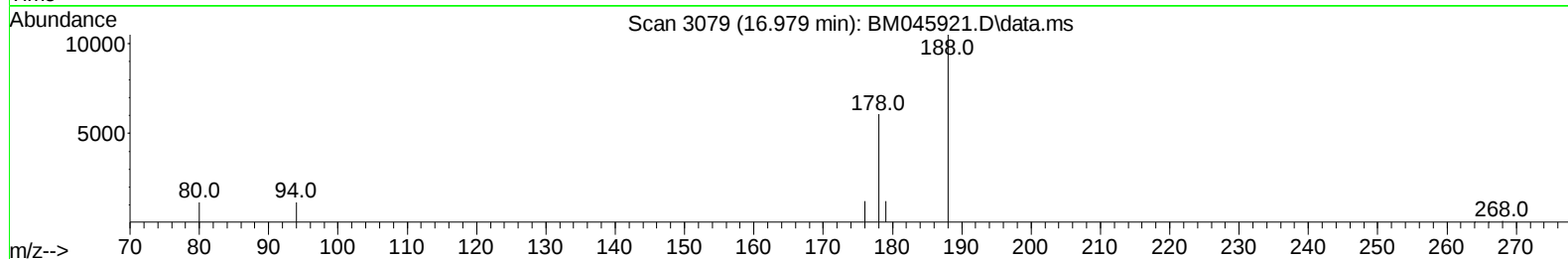
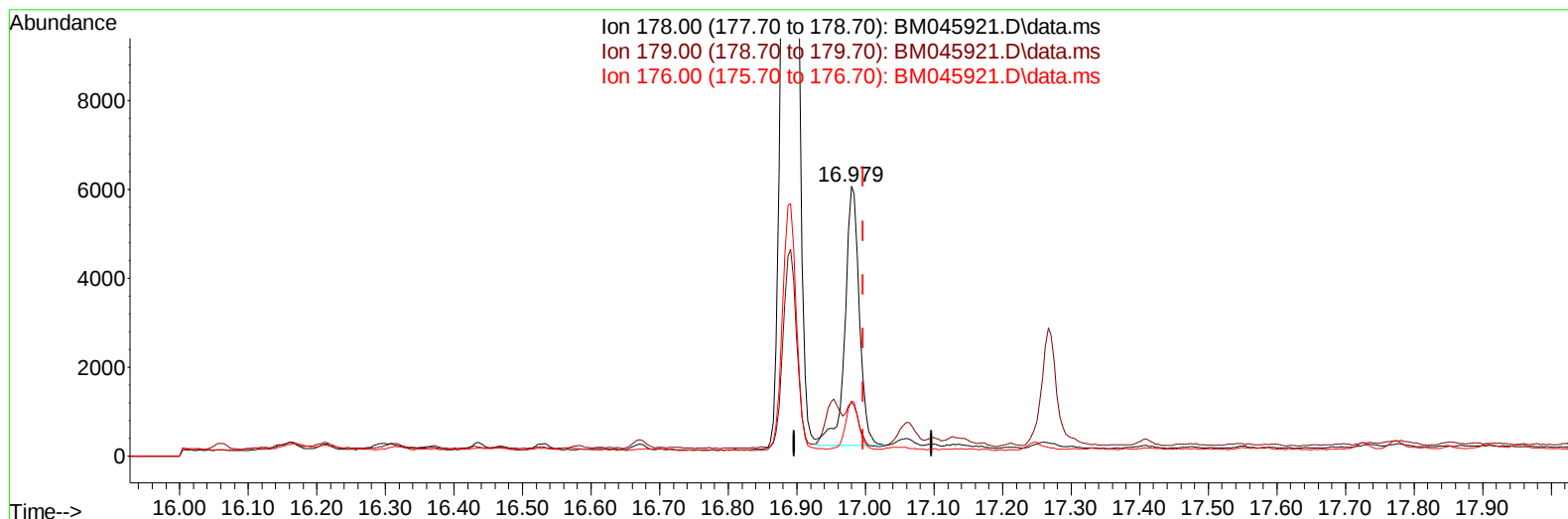
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

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TIC: BM045921.D\data.ms

(16) Anthracene

16.979min (-0.017) 0.15 ng/u1 m

response 8585

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	19.92#
176.00	19.40	20.31
0.00	0.00	0.00

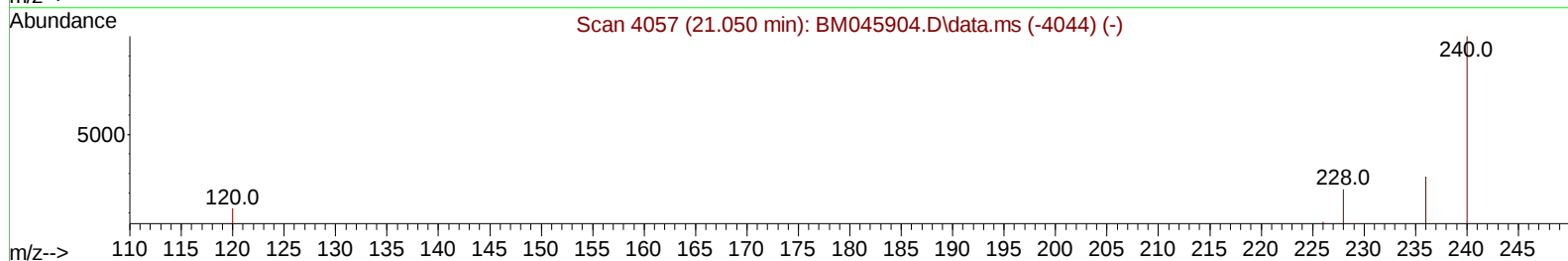
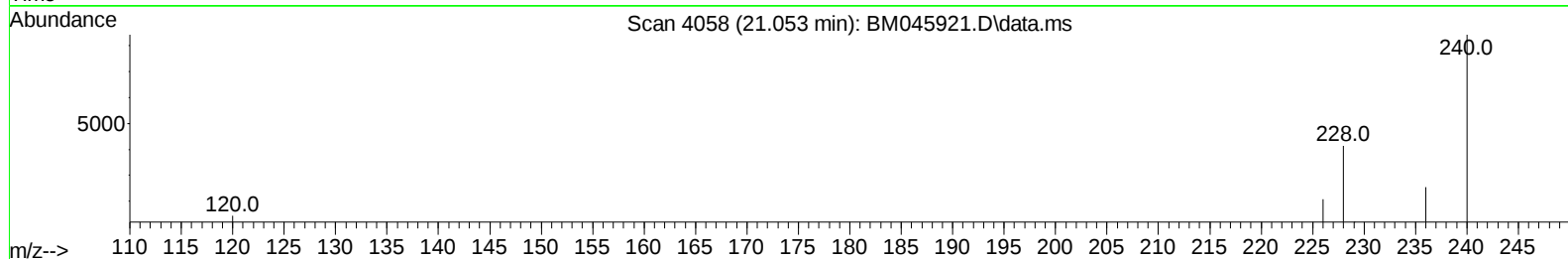
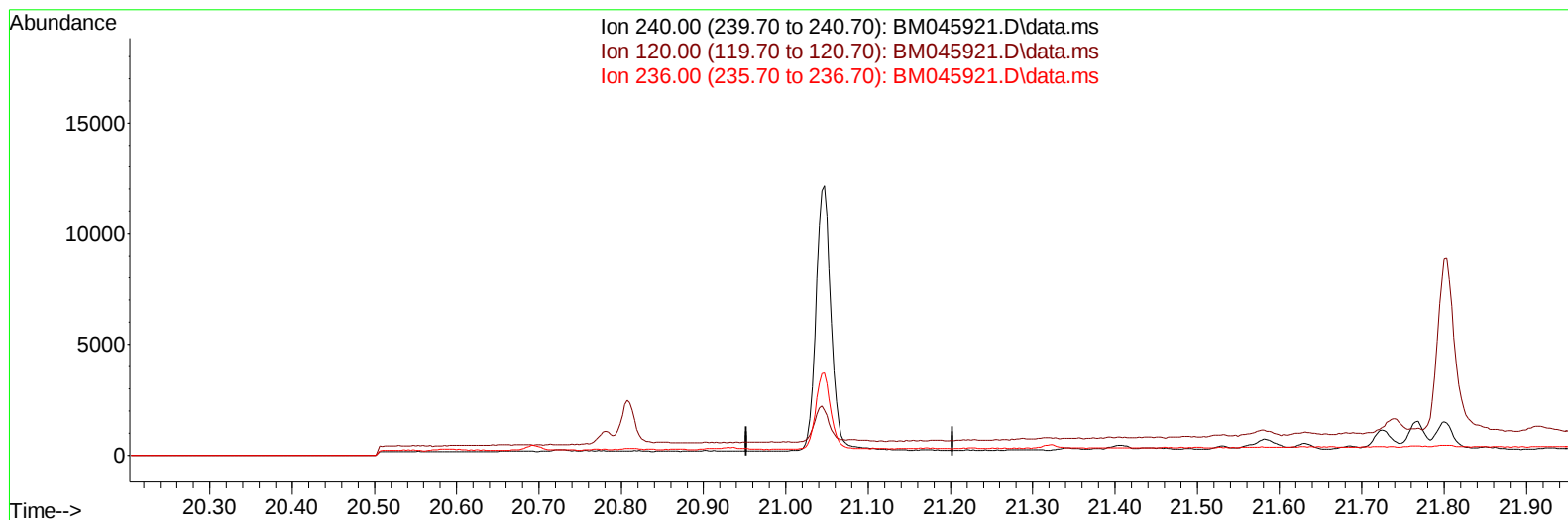
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

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TIC: BM045921.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

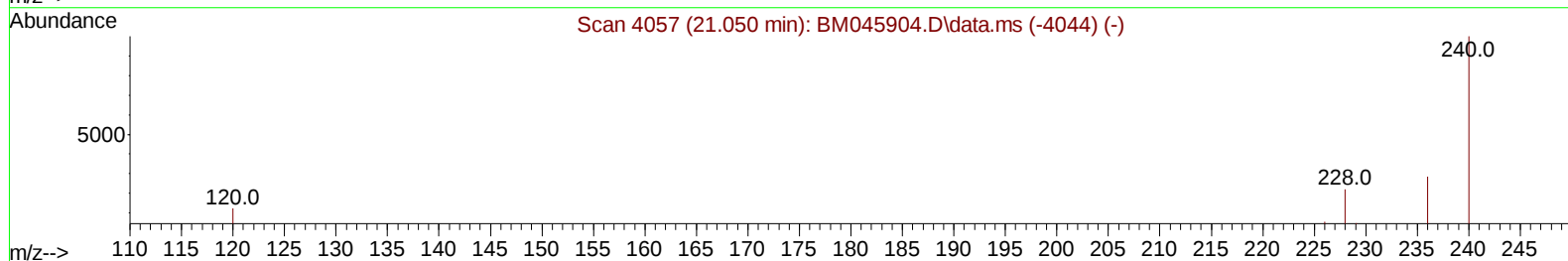
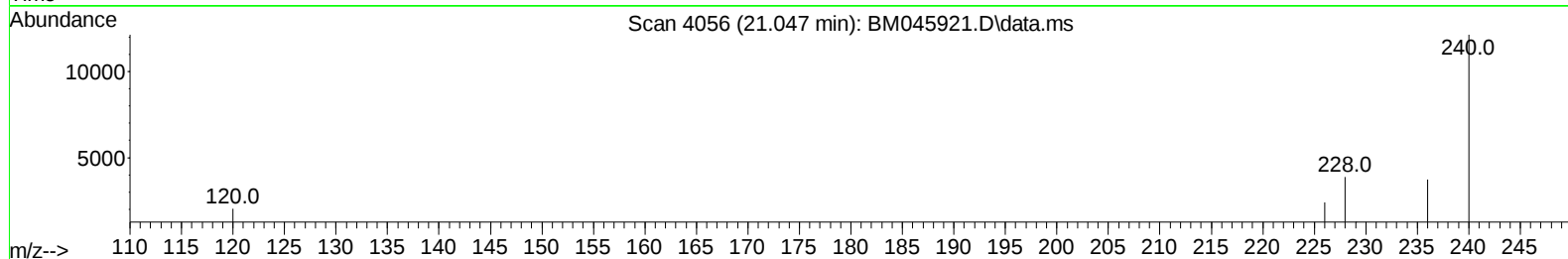
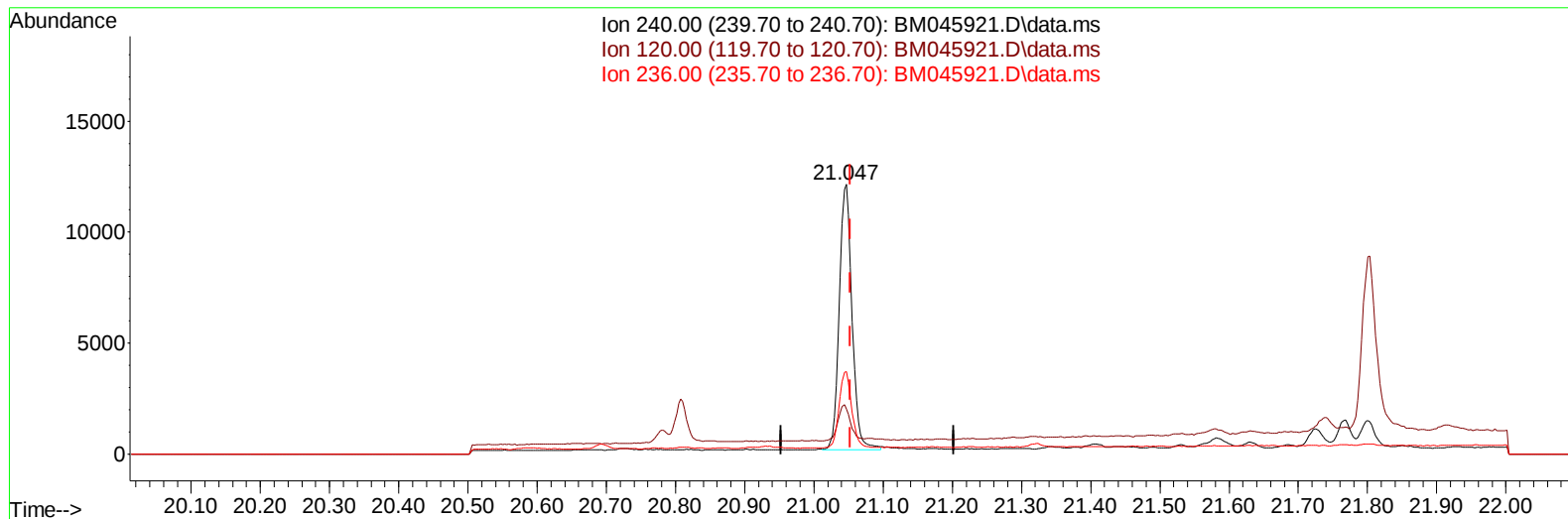
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:27 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: BM045921.D\data.ms

(17) Chrysene-d12

21.047min (-0.006) 0.40 ng/u1 m

response 15309

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	16.76
236.00	29.50	30.57
0.00	0.00	0.00

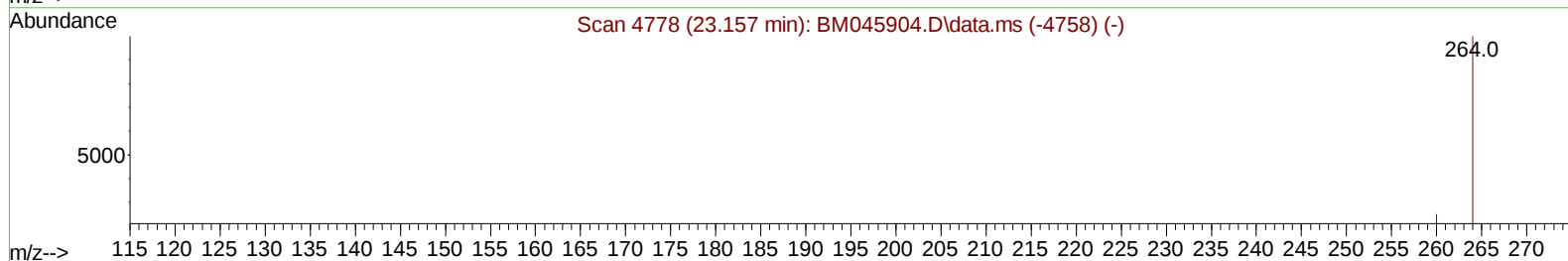
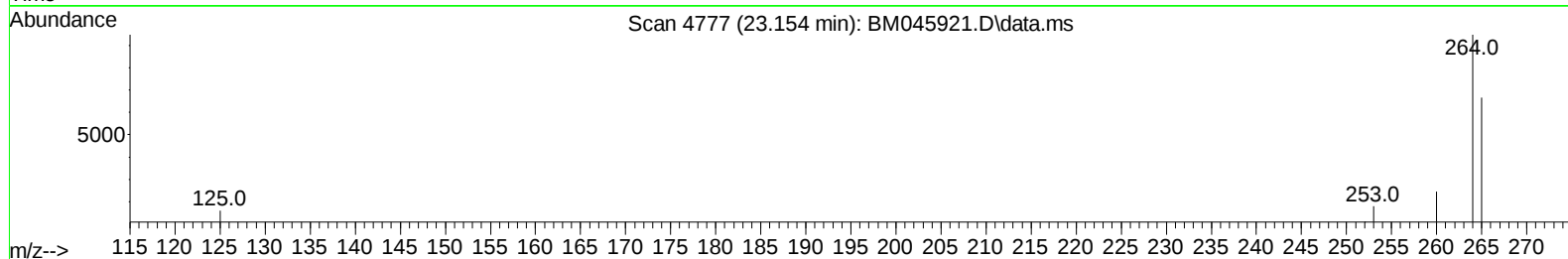
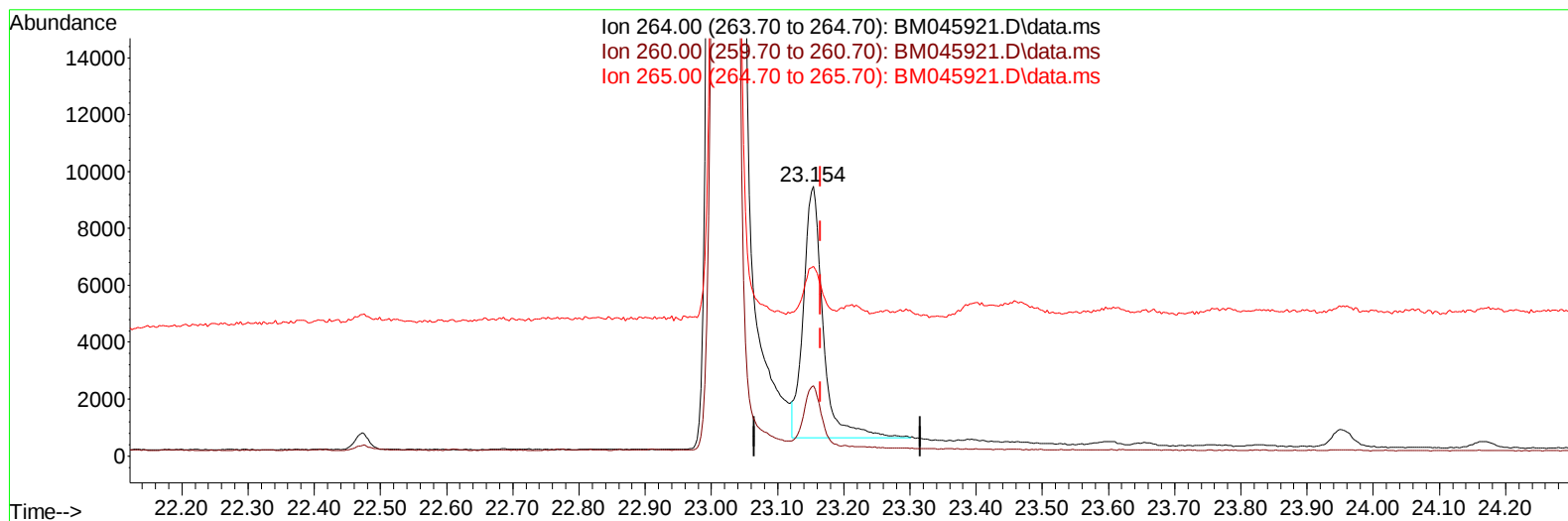
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

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TIC: BM045921.D\data.ms

(23) Perylene-d12 (I)

23.154min (-0.012) 0.40 ng/u1

response 17989

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.02
265.00	76.60	70.34
0.00	0.00	0.00

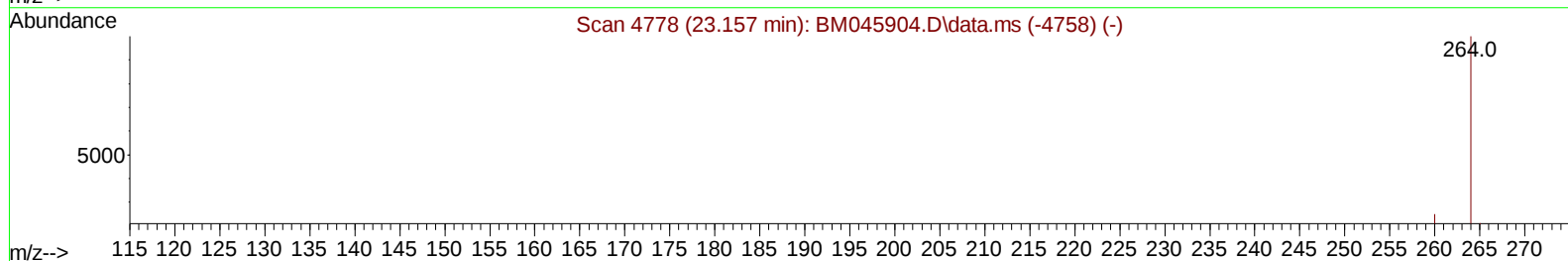
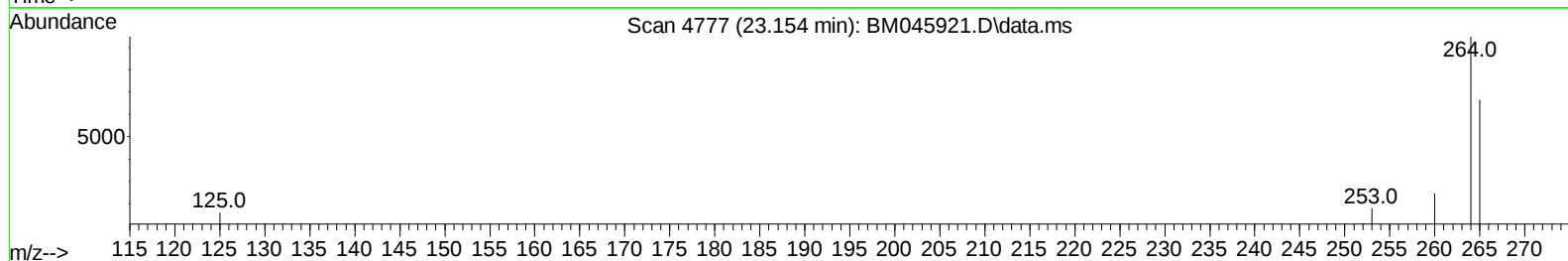
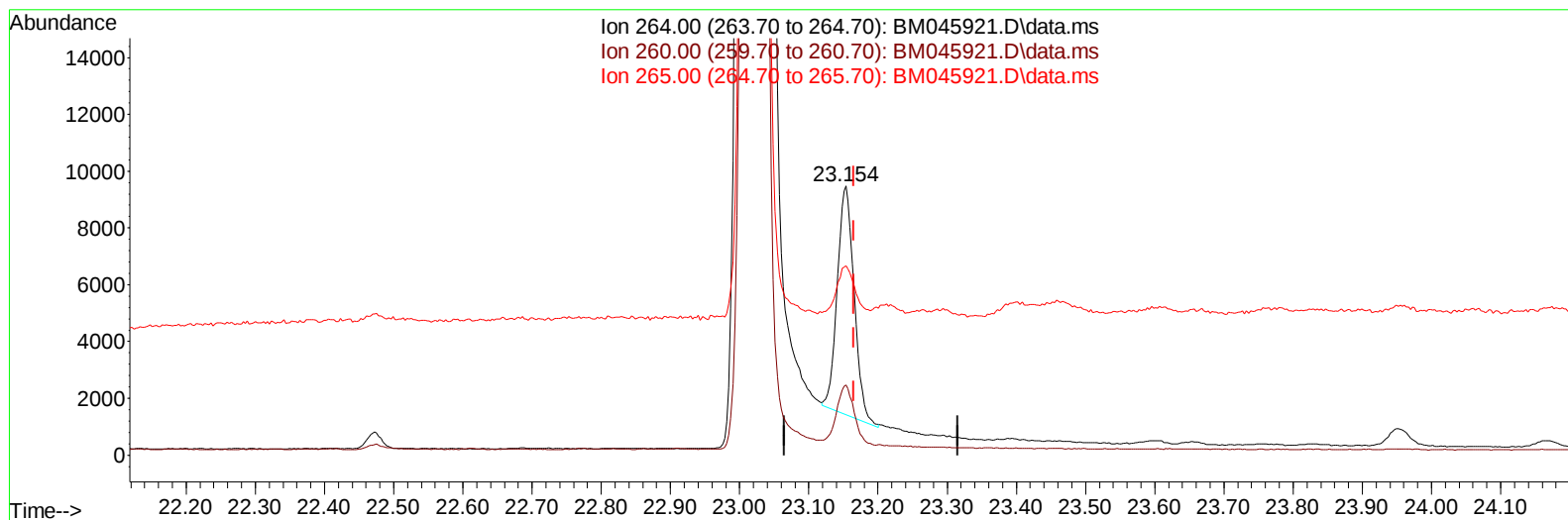
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:27 2024
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TIC: BM045921.D\data.ms

(23) Perylene-d12 (I)

23.154min (-0.012) 0.40 ng/ul m

response 13583

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	26.02
265.00	76.60	70.34
0.00	0.00	0.00

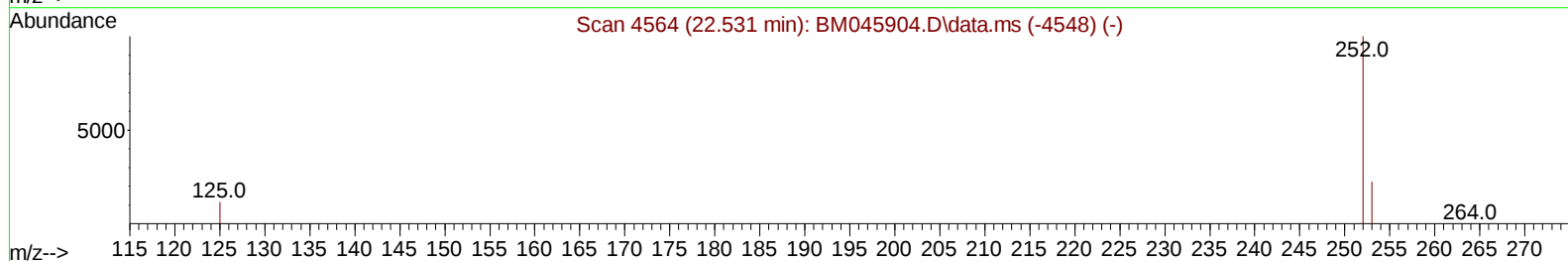
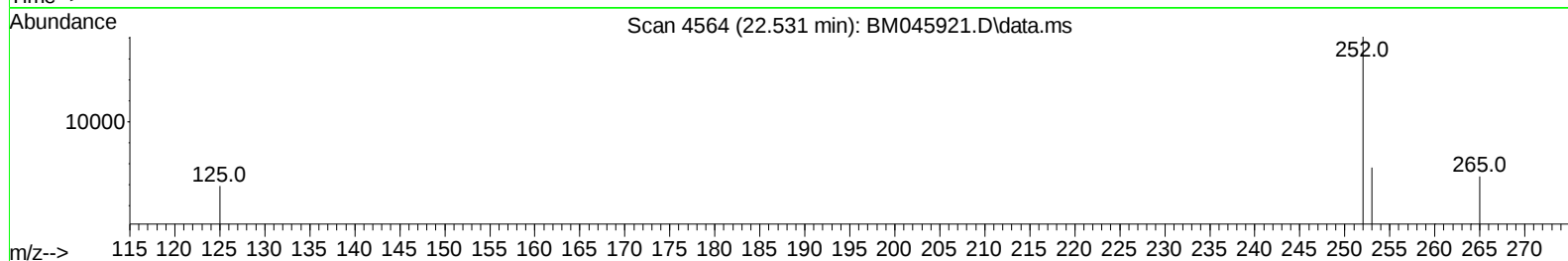
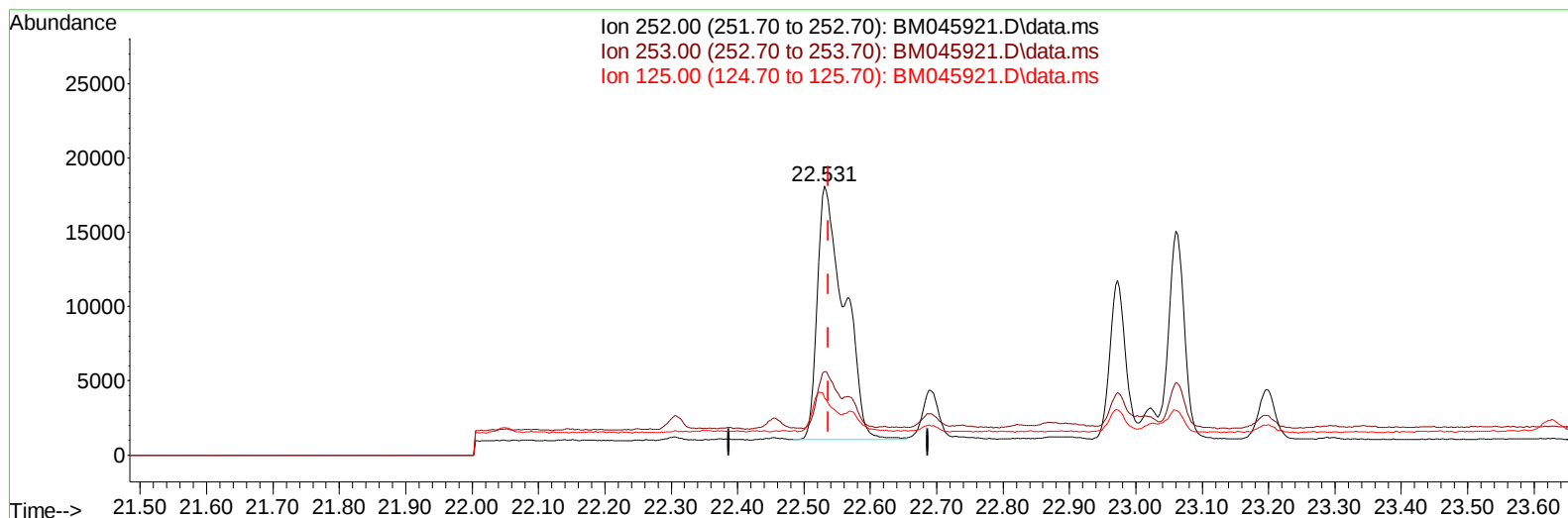
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
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Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

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TIC: BM045921.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 1.07 ng/u1

response 48187

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	31.07
125.00	17.90	21.28
0.00	0.00	0.00

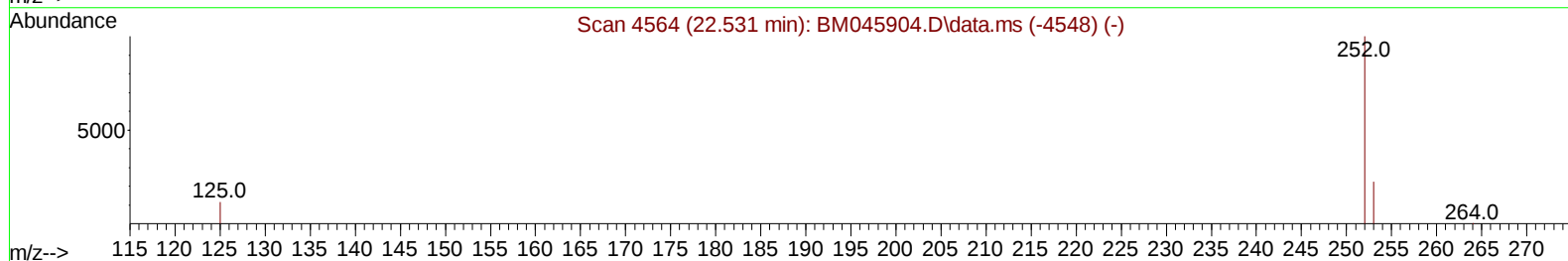
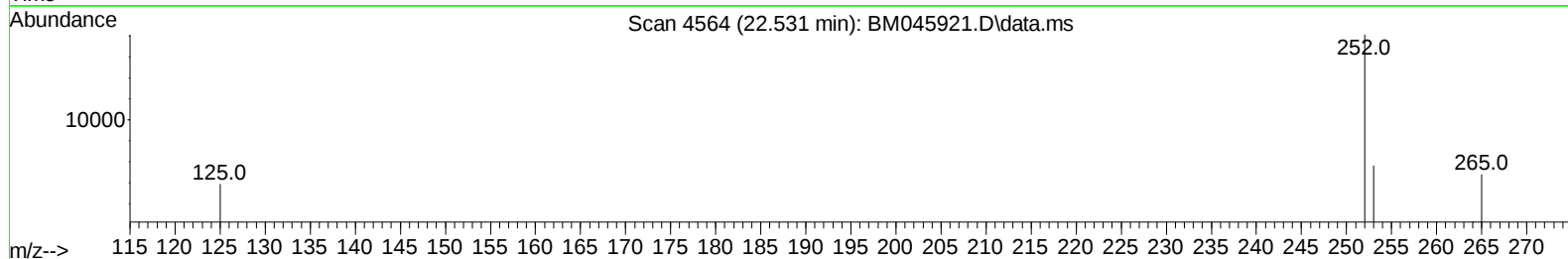
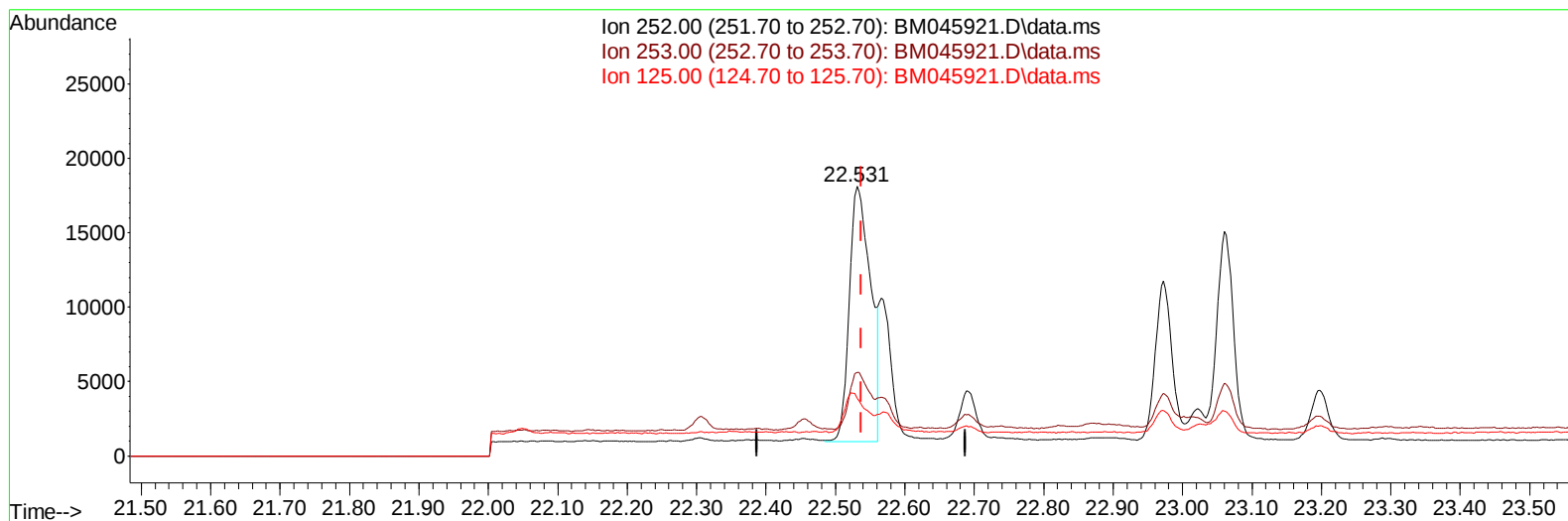
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045921.D\data.ms

(24) Benzo(b)fluoranthene

22.531min (-0.006) 0.81 ng/u1 m

response 36524

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	31.07
125.00	17.90	21.28
0.00	0.00	0.00

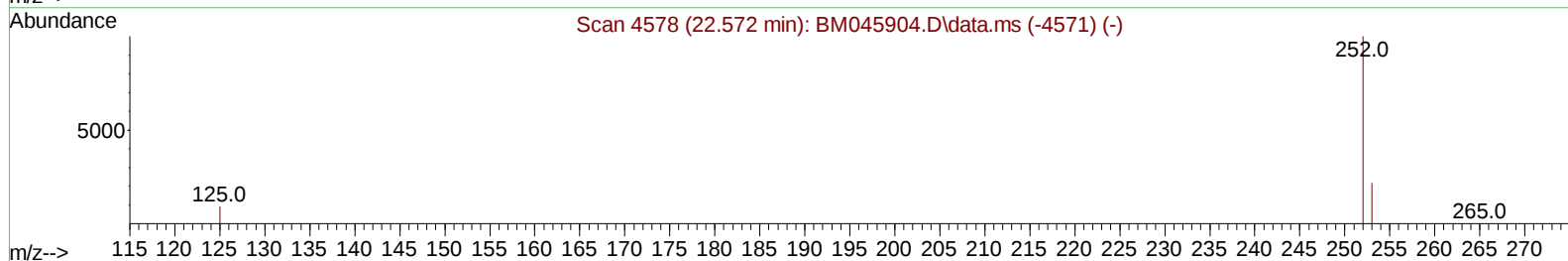
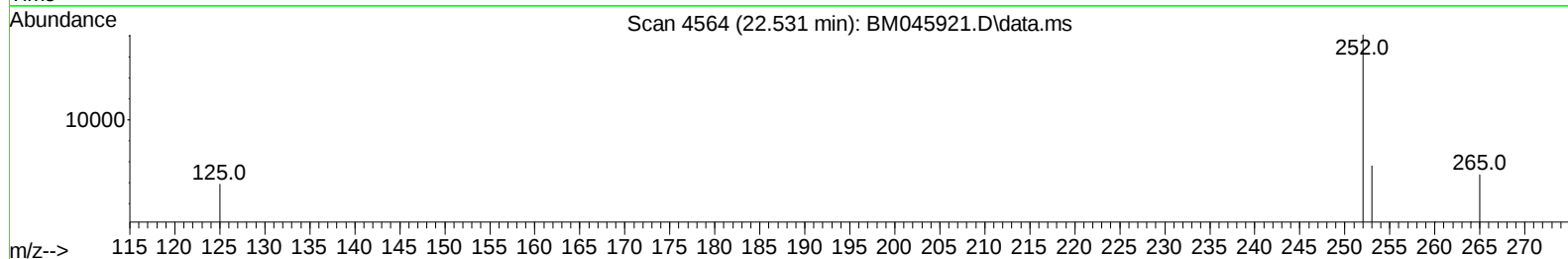
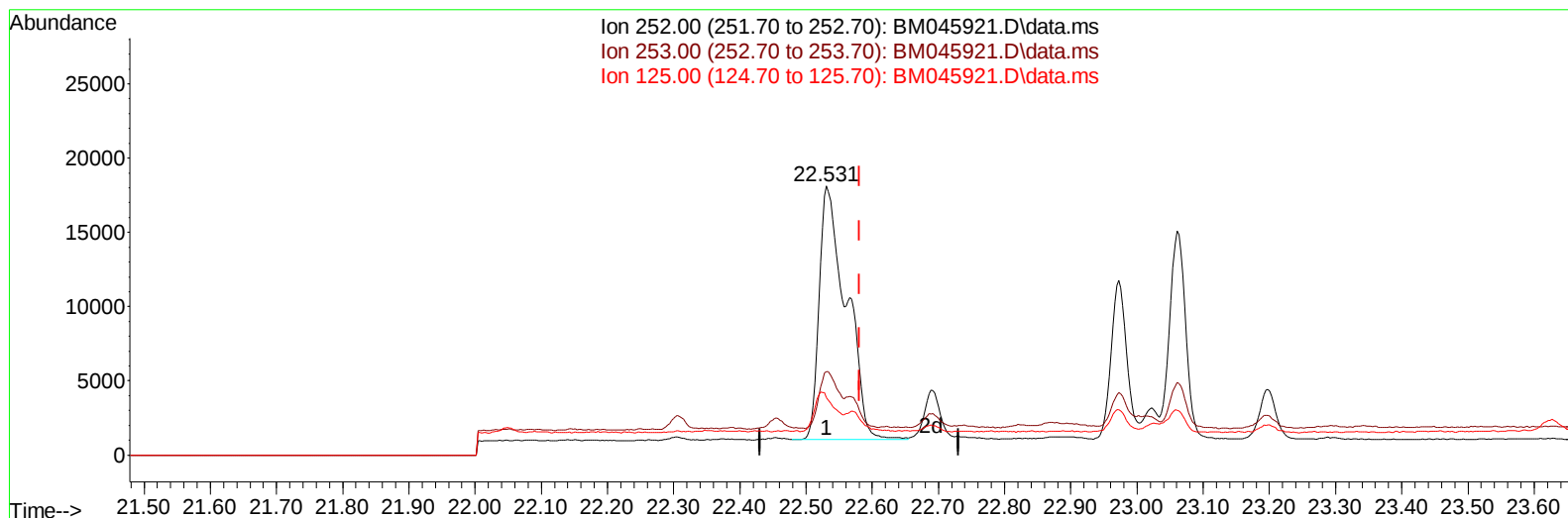
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
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Acq On : 08 Jun 2024 18:05
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Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

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Supervised By :mohammad ahmed 06/13/2024



TIC: BM045921.D\data.ms

(25) Benzo(k)fluoranthene

22.531min (-0.050) 0.98 ng/u1

response 48285

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	31.07
125.00	17.70	21.28#
0.00	0.00	0.00

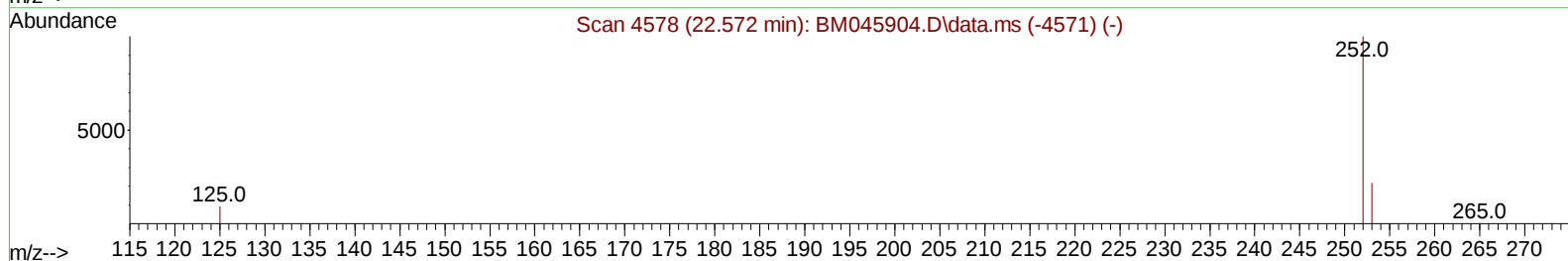
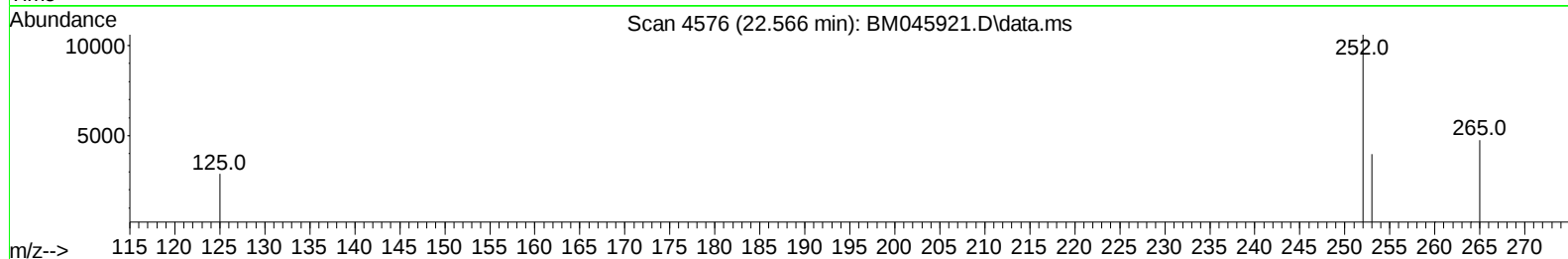
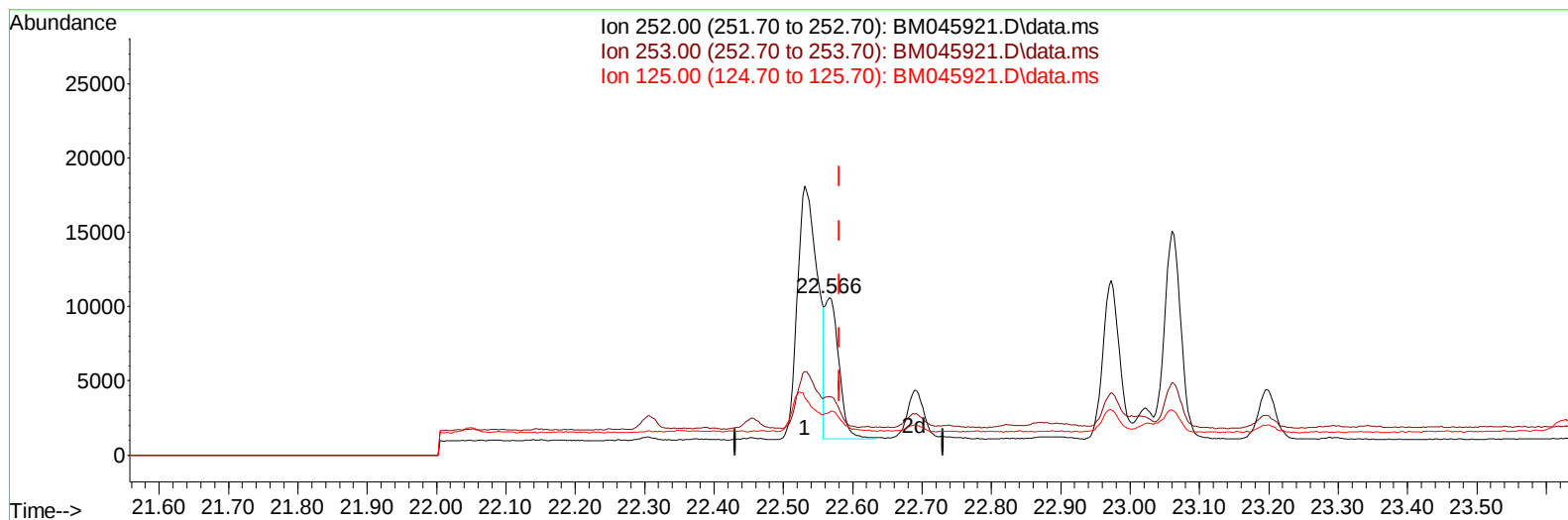
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045921.D
Acq On : 08 Jun 2024 18:05
Operator : MA/JU
Sample : P2640-15
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4C39

Manual IntegrationsAPPROVED

Quant Time: Jun 10 01:29:27 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: BM045921.D\data.ms

(25) Benzo(k)fluoranthene

22.566min (-0.015) 0.27 ng/u1 m

response 13369

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	37.44
125.00	17.70	27.17#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.463	152	5569	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.231	136	19434	0.400	ng/ul	-0.02
9) Acenaphthene-d10	14.107	164	10881	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.849	188	24544m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.047	240	15309m	0.400	ng/ul	0.00
23) Perylene-d12	23.154	264	13583m	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.058	96	26158	4.124	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.837	152	7307	0.261	ng/ul	-0.01
18) Fluoranthene-d10	18.885	212	16004	0.349	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.281	128	1724	0.034	ng/ul#	81
7) 2-Methylnaphthalene	11.914	142	886	0.027	ng/ul	96
8) 1-Methylnaphthalene	12.134	142	755	0.021	ng/ul	100
10) Acenaphthylene	13.825	152	4853	0.098	ng/ul	94
11) Acenaphthene	14.168	153	1325	0.036	ng/ul	93
12) Fluorene	15.158	166	2282	0.056	ng/ul#	90
15) Phenanthrene	16.891	178	40387m	0.586	ng/ul	
16) Anthracene	16.979	178	8585m	0.146	ng/ul	
19) Fluoranthene	18.912	202	78090	1.279	ng/ul	98
20) Pyrene	19.275	202	68751	1.080	ng/ul	97
21) Benzo(a)anthracene	21.029	228	29163	0.519	ng/ul	95
22) Chrysene	21.082	228	32146	0.525	ng/ul	98
24) Benzo(b)fluoranthene	22.531	252	36524m	0.811	ng/ul	
25) Benzo(k)fluoranthene	22.566	252	13369m	0.270	ng/ul	
26) Benzo(a)pyrene	23.060	252	23503	0.525	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	25.216	276	17121	0.296	ng/ul	91
28) Dibenzo(a,h)anthracene	25.222	278	4142	0.089	ng/ul#	43
29) Benzo(g,h,i)perylene	25.846	276	18211	0.364	ng/ul	97

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

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