

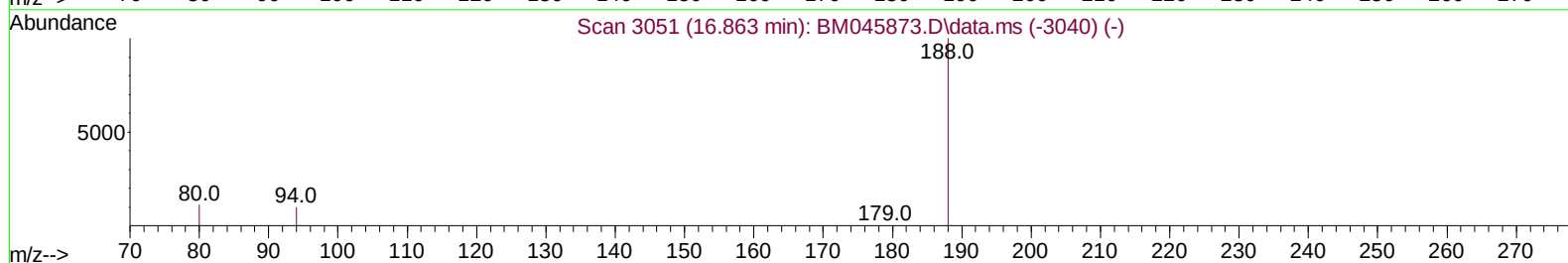
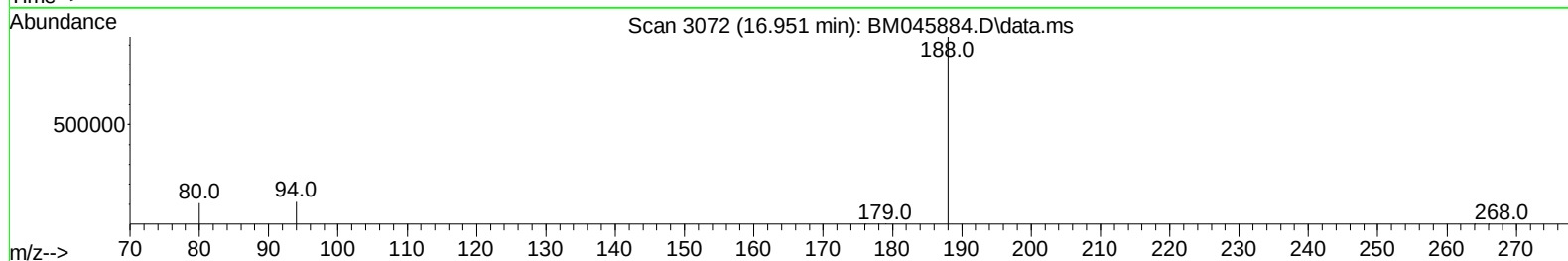
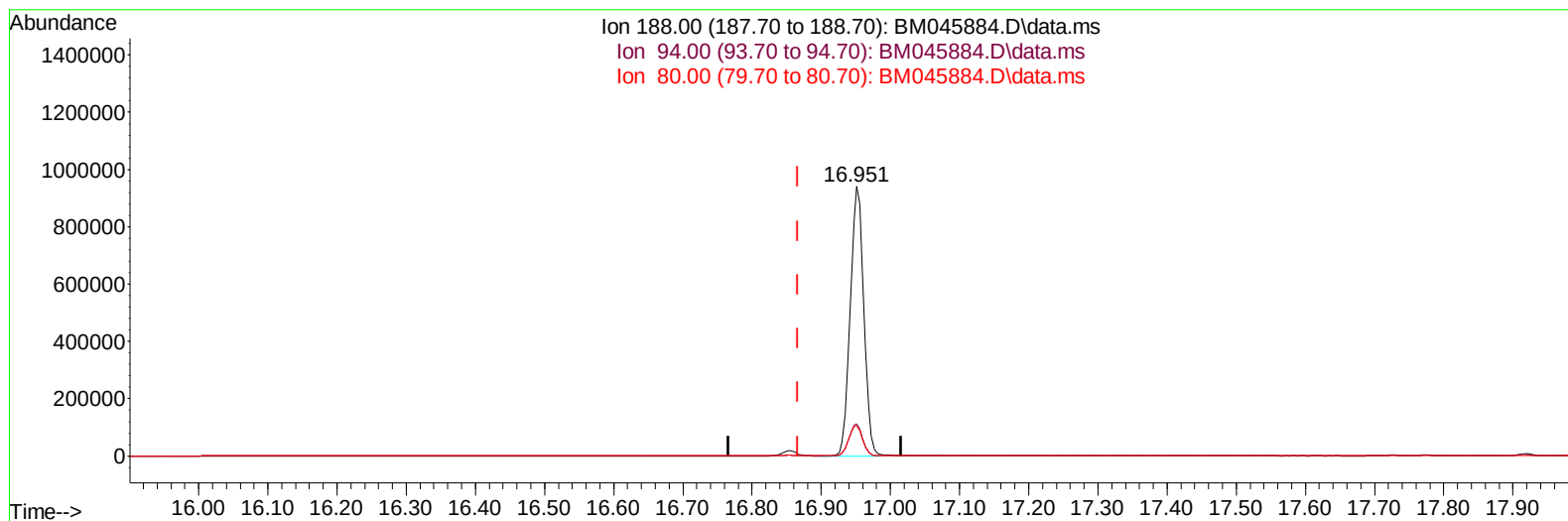
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:48:49 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 : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045884.D\data.ms

(13) Phenanthrene-d10 (I)

16.951min (+ 0.085) 0.40 ng/u1

response 1276669

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.89
80.00	11.70	11.23
0.00	0.00	0.00

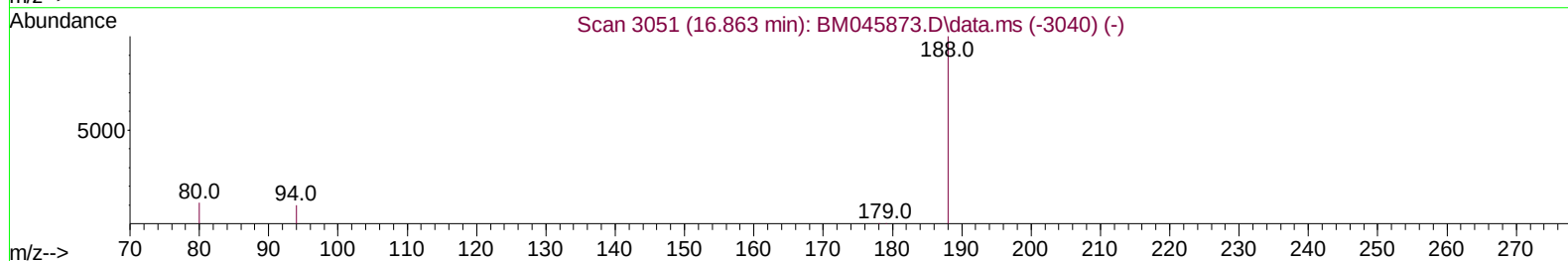
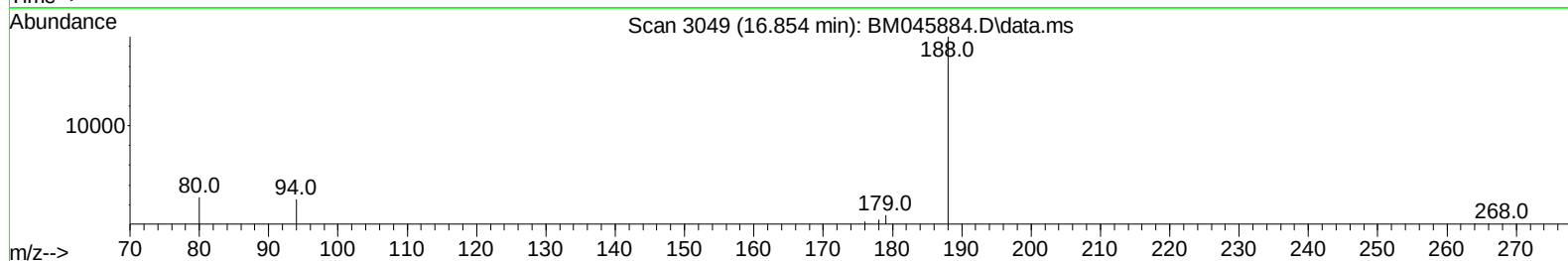
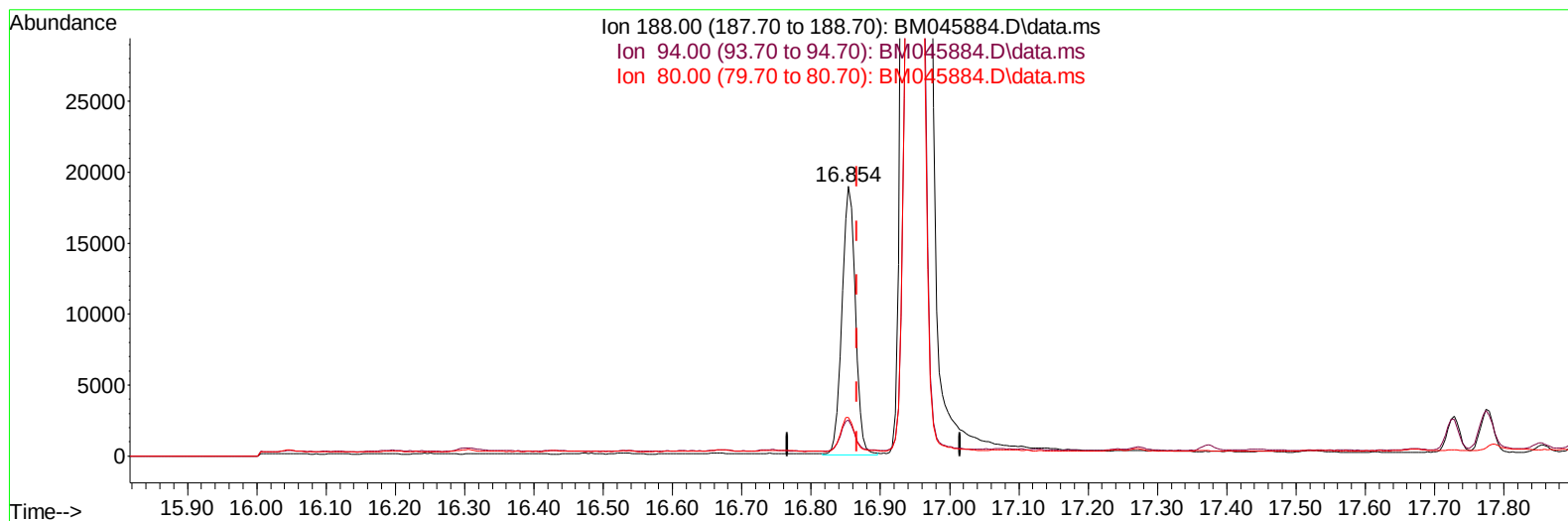
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:48:49 2024
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TIC: BM045884.D\data.ms

(13) Phenanthrene-d10 (I)

16.854min (-0.012) 0.40 ng/ul m

response 25397

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	13.43#
80.00	11.70	14.40#
0.00	0.00	0.00

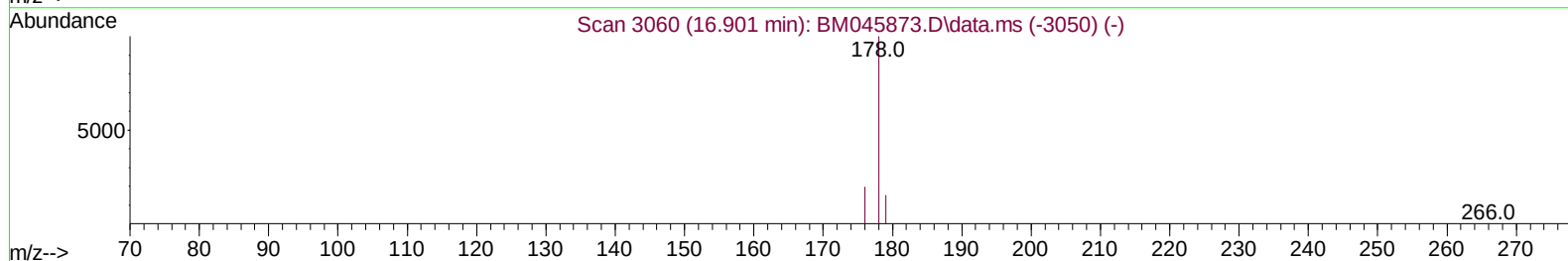
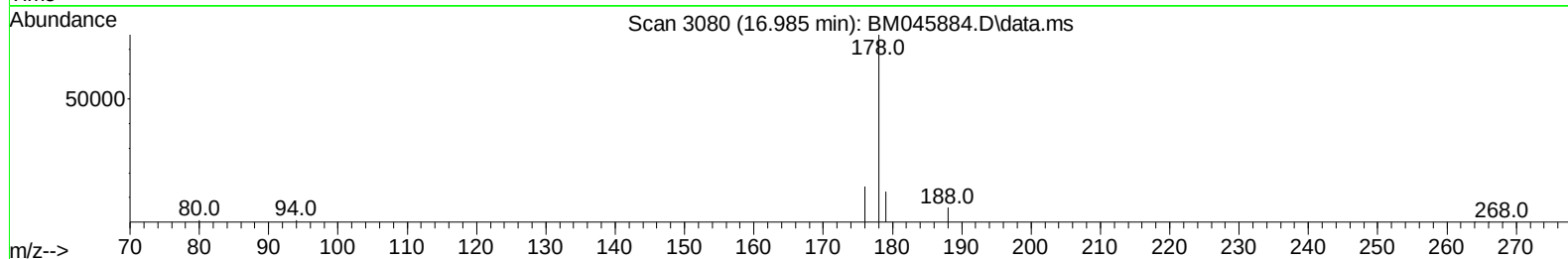
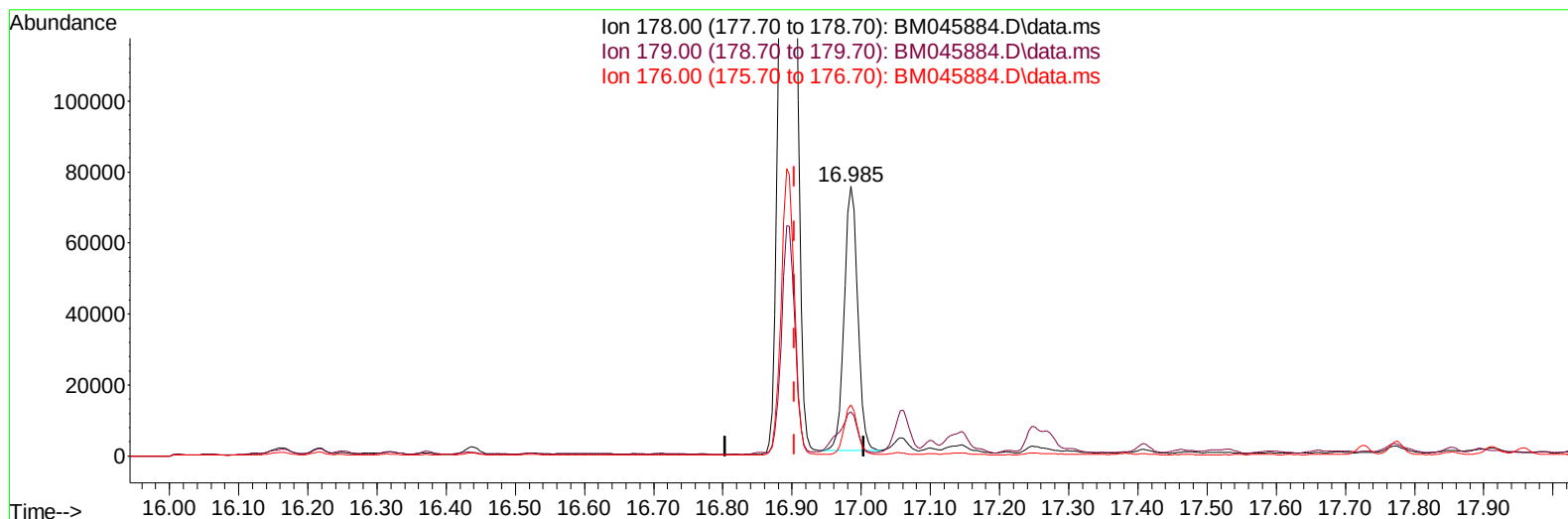
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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TIC: BM045884.D\data.ms

(15) Phenanthrene

16.985min (+ 0.082) 1.41 ng/u1

response 100736

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	16.46
176.00	19.50	18.97
0.00	0.00	0.00

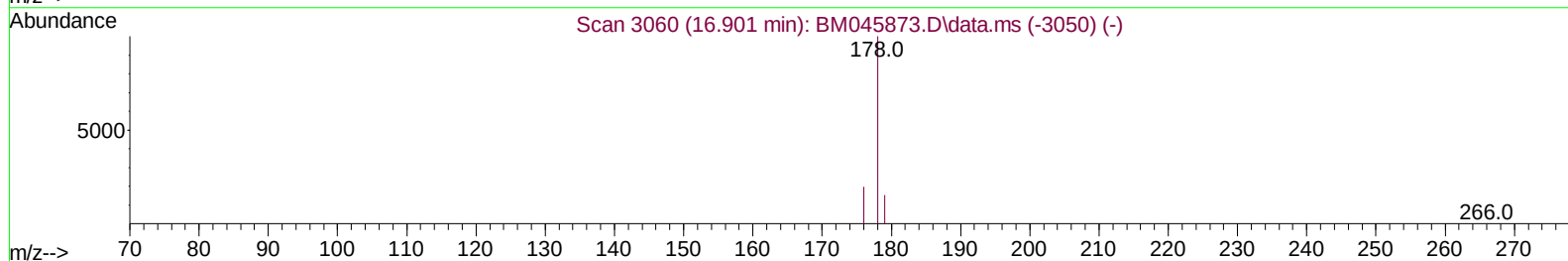
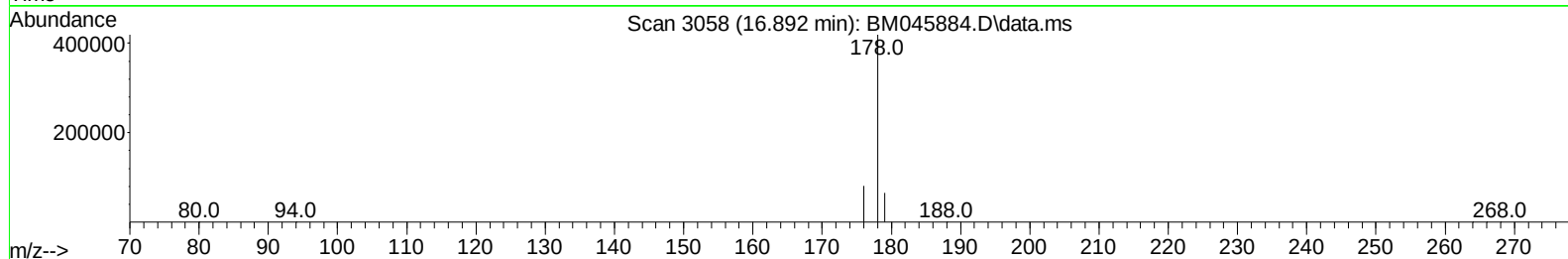
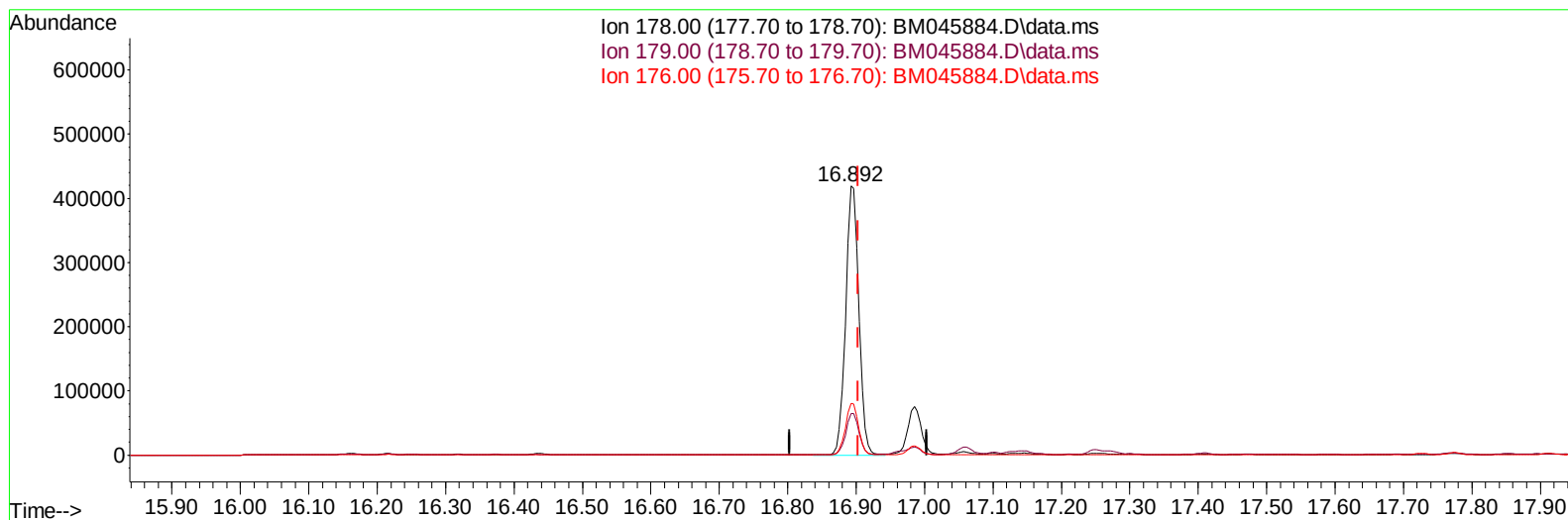
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(15) Phenanthrene

16.892min (-0.011) 7.92 ng/ul m

response 564599

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.50
176.00	19.50	19.33
0.00	0.00	0.00

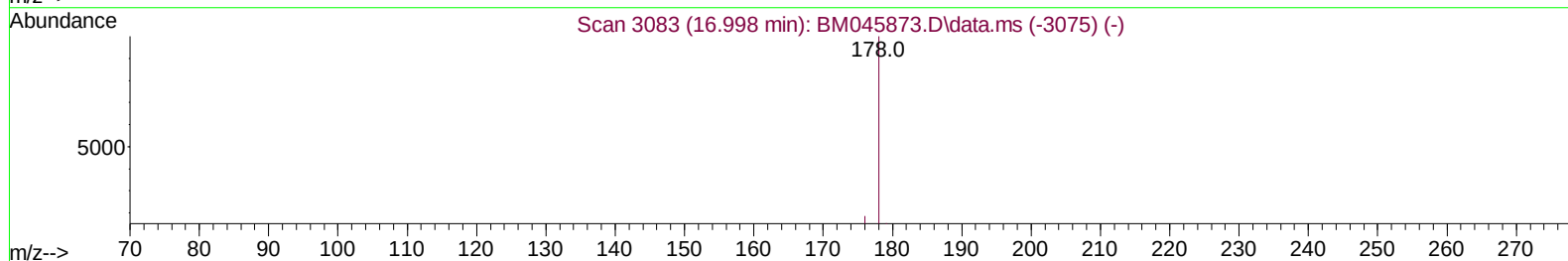
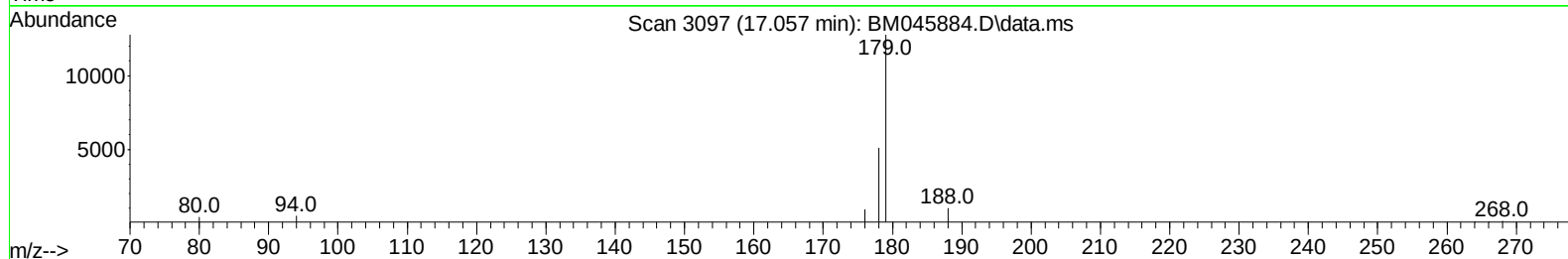
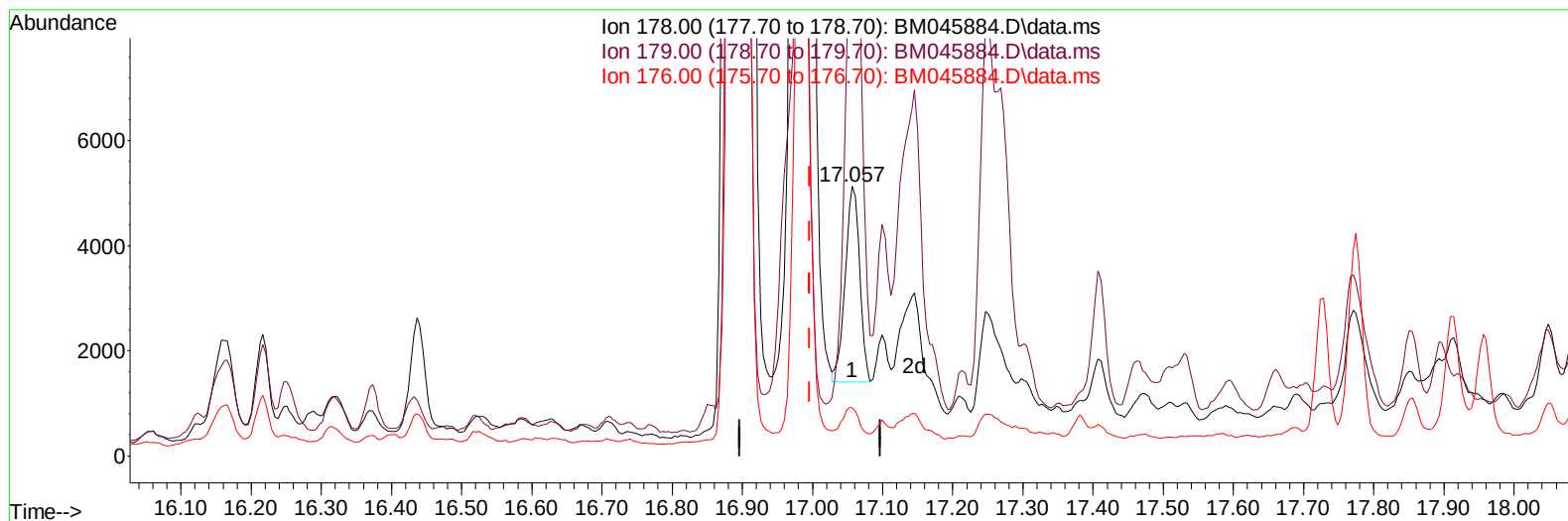
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(16) Anthracene

17.057min (+ 0.060) 0.09 ng/u1

response 5318

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	249.26#
176.00	19.40	17.88
0.00	0.00	0.00

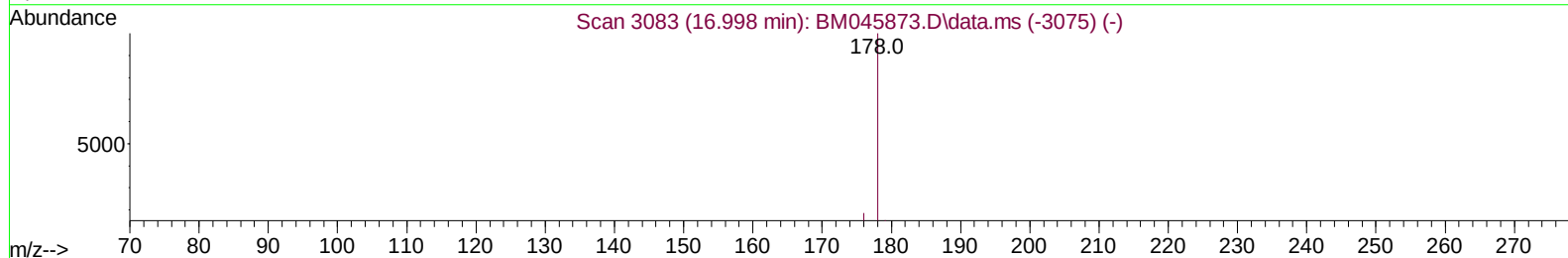
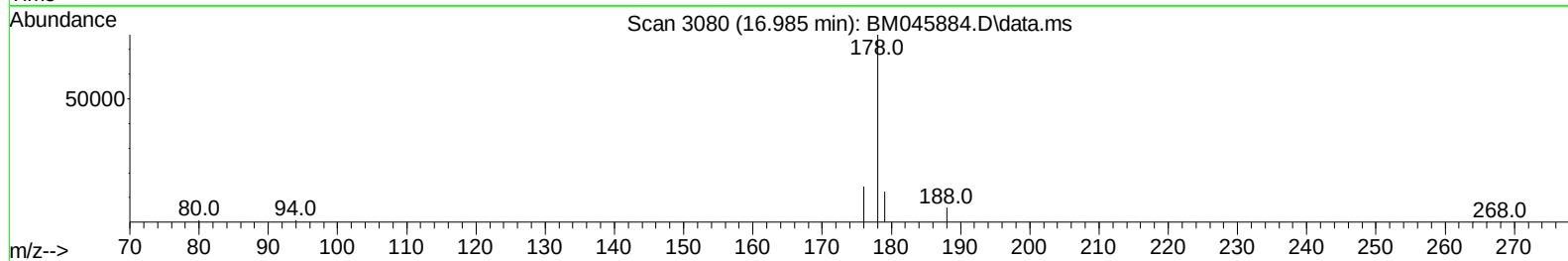
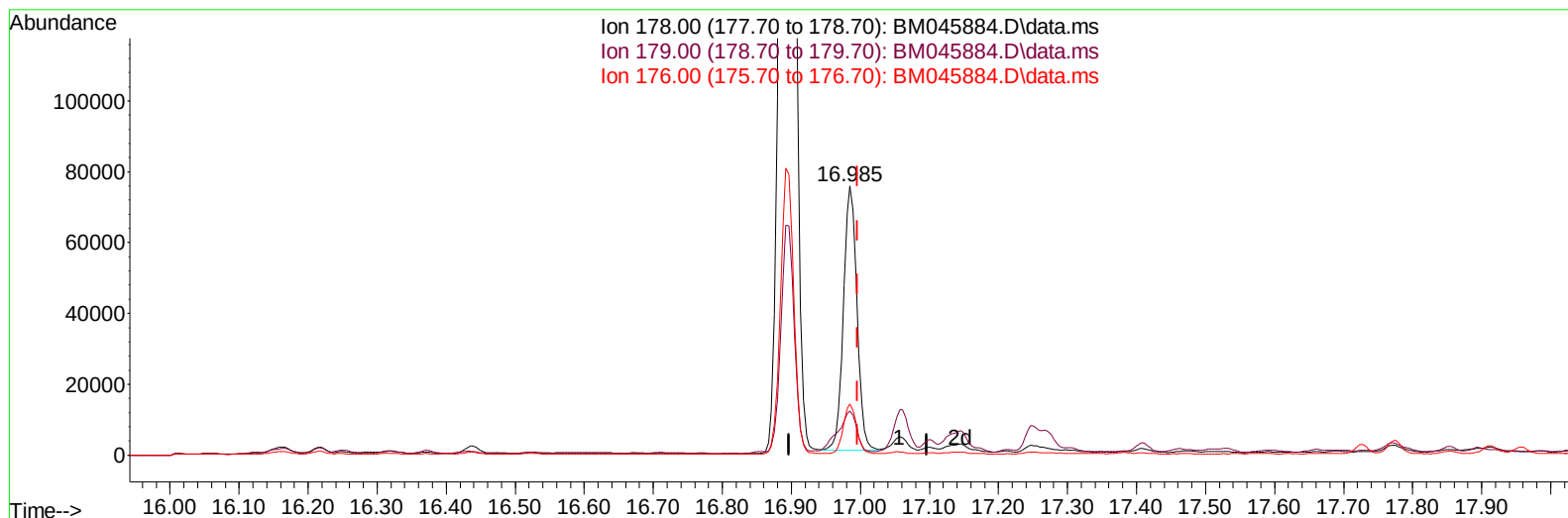
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:48:49 2024
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QLast Update : Thu Jun 06 17:58:22 2024
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Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045884.D\data.ms

(16) Anthracene

16.985min (-0.011) 1.67 ng/ul m

response 101698

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	16.46
176.00	19.40	18.97
0.00	0.00	0.00

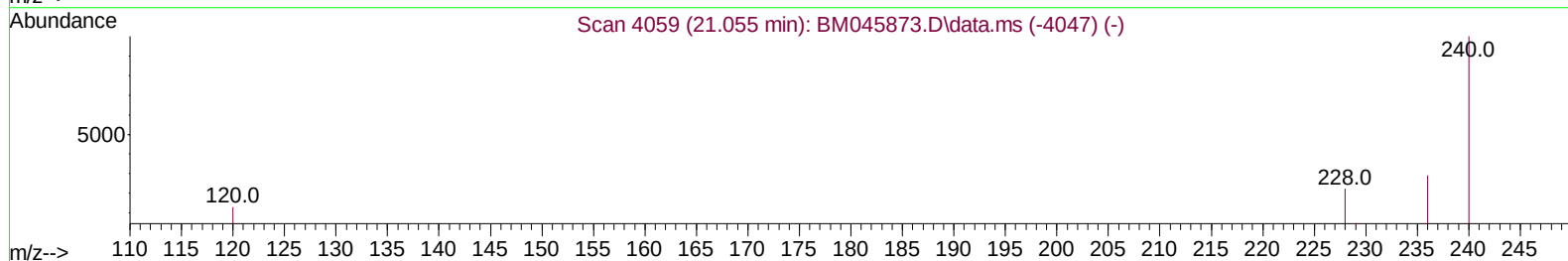
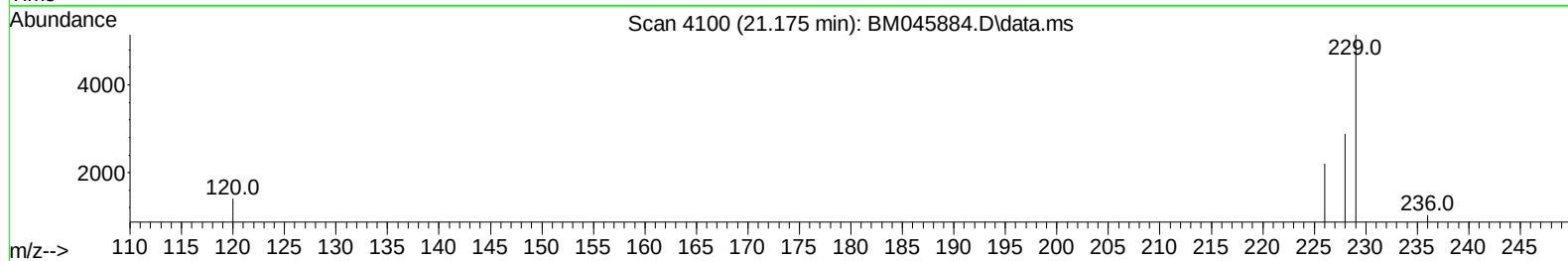
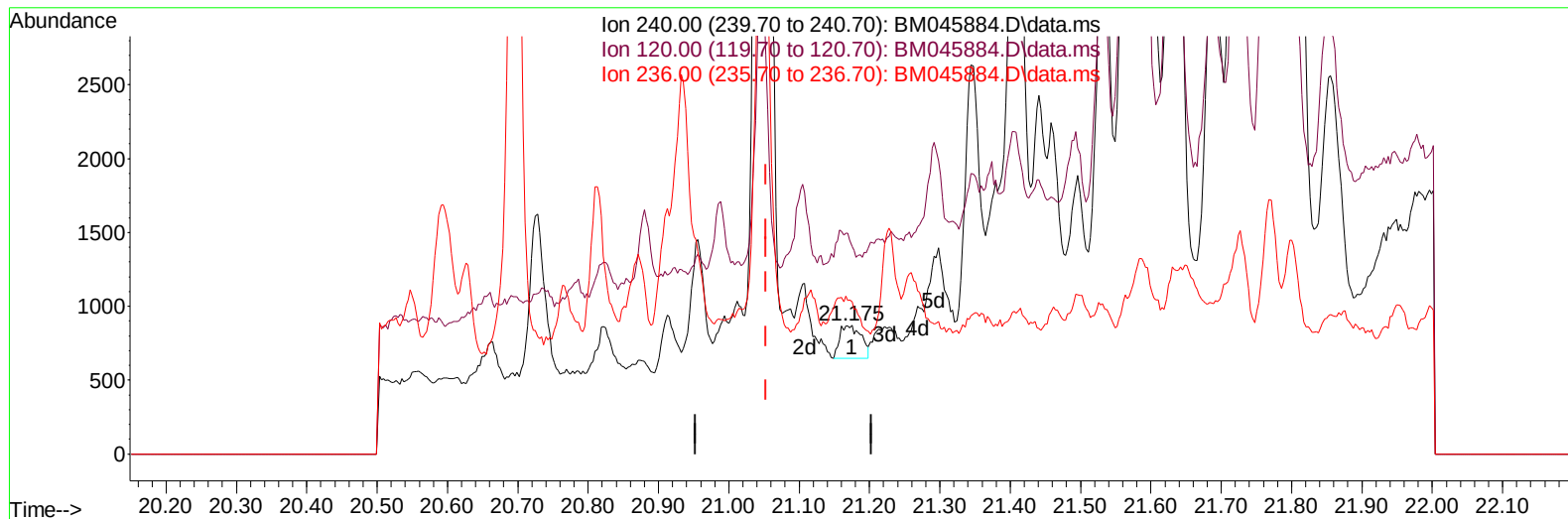
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(17) Chrysene-d12

21.175min (+ 0.122) 0.40 ng/u1

response 474

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	160.82#
236.00	29.50	118.10#
0.00	0.00	0.00

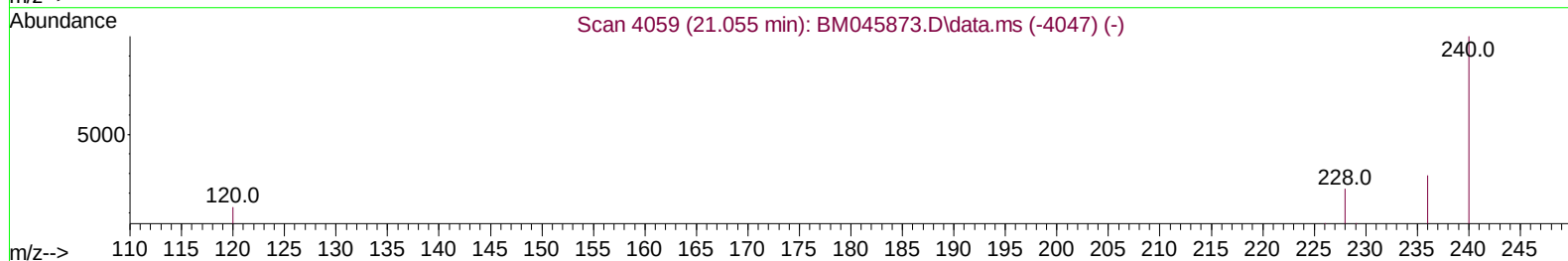
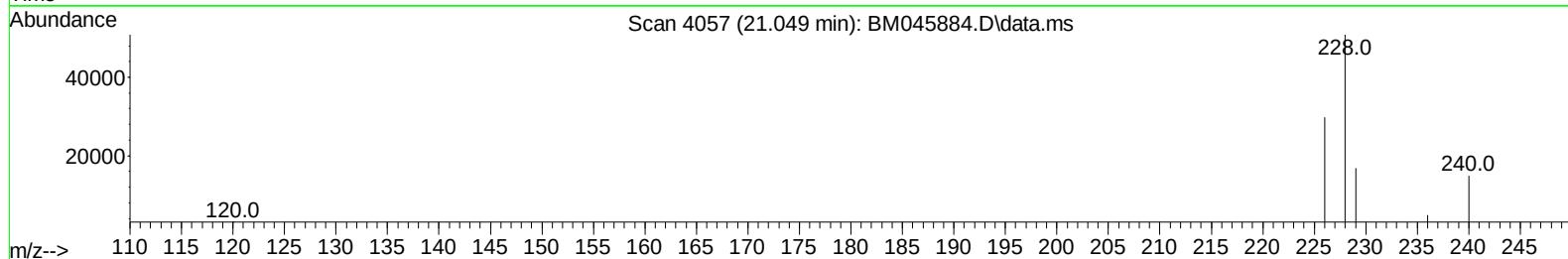
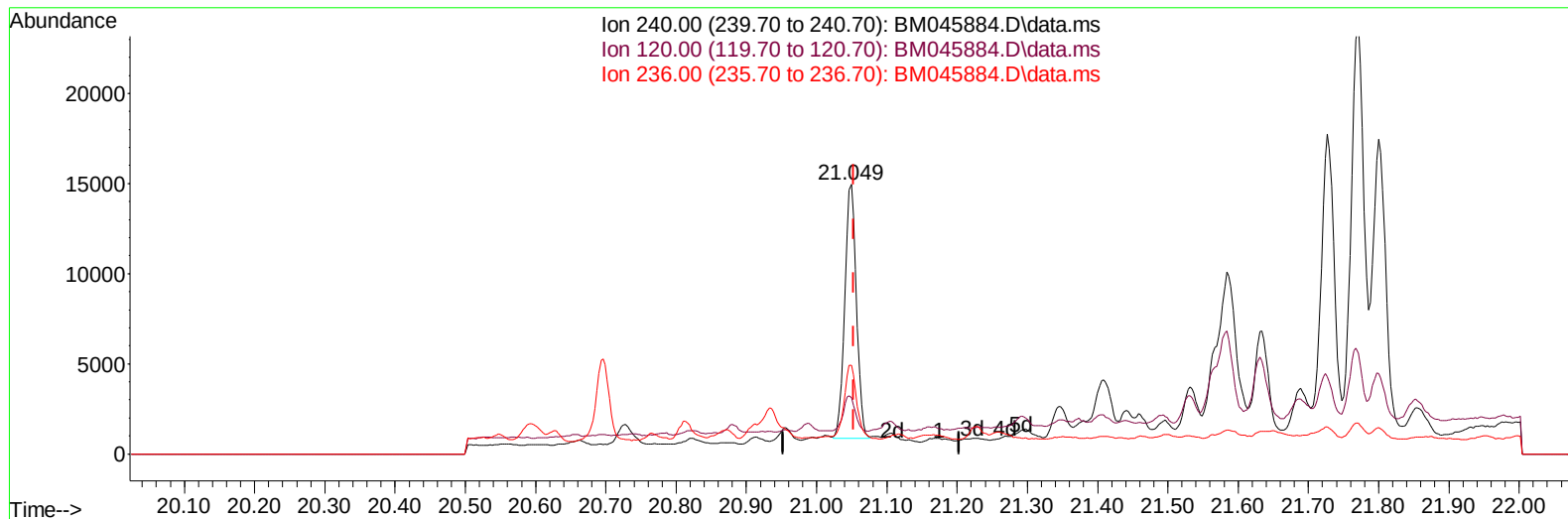
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:48:49 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 : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045884.D\data.ms

(17) Chrysene-d12

21.049min (-0.003) 0.40 ng/ul m

response 16183

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	20.87#
236.00	29.50	32.94
0.00	0.00	0.00

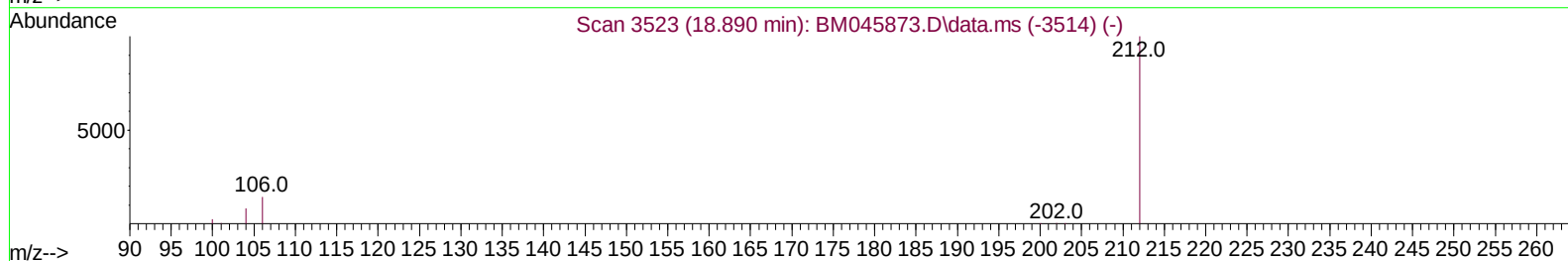
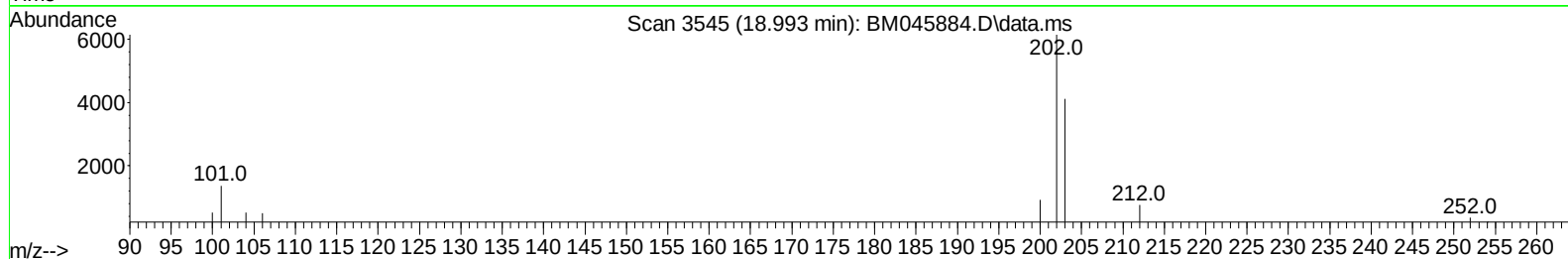
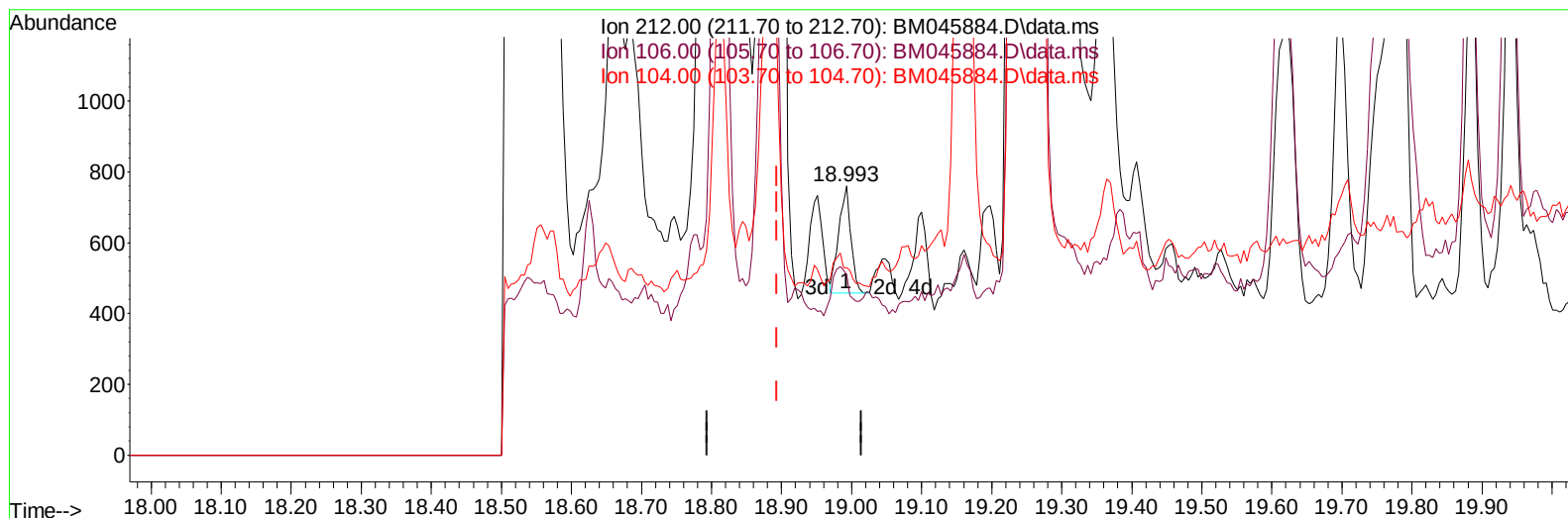
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.993min (+ 0.099) 0.01 ng/u1

response 364

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.00	67.58#
104.00	8.70	36.54#
0.00	0.00	0.00

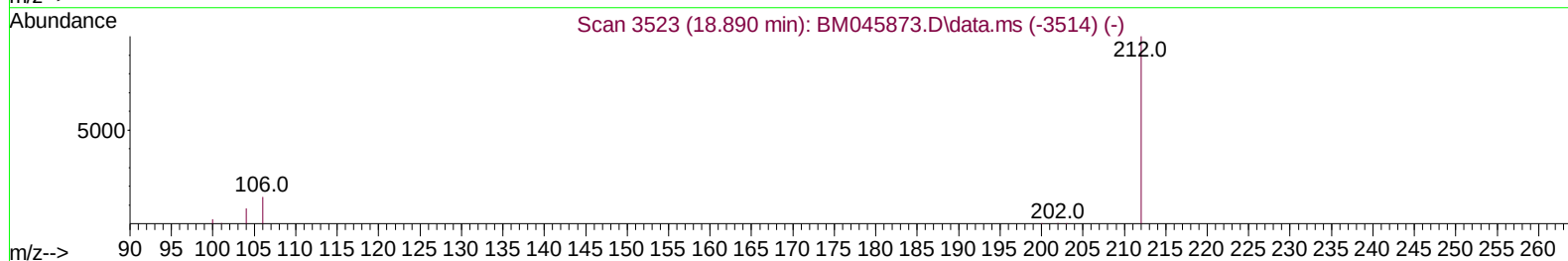
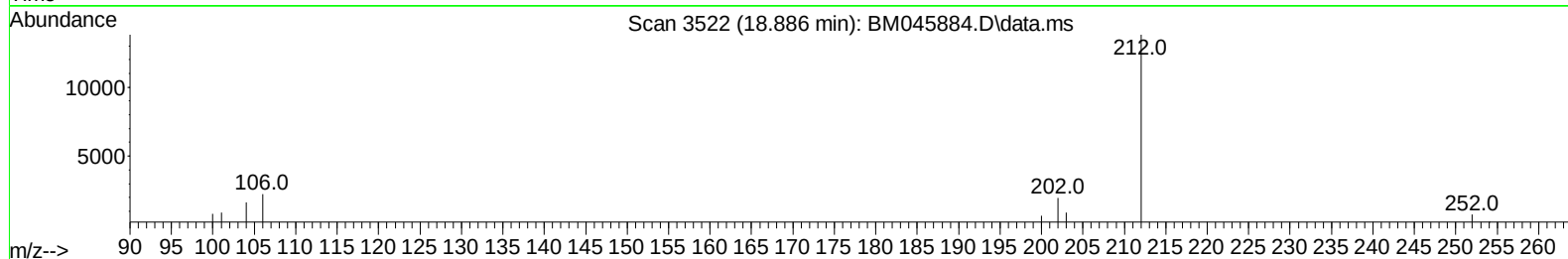
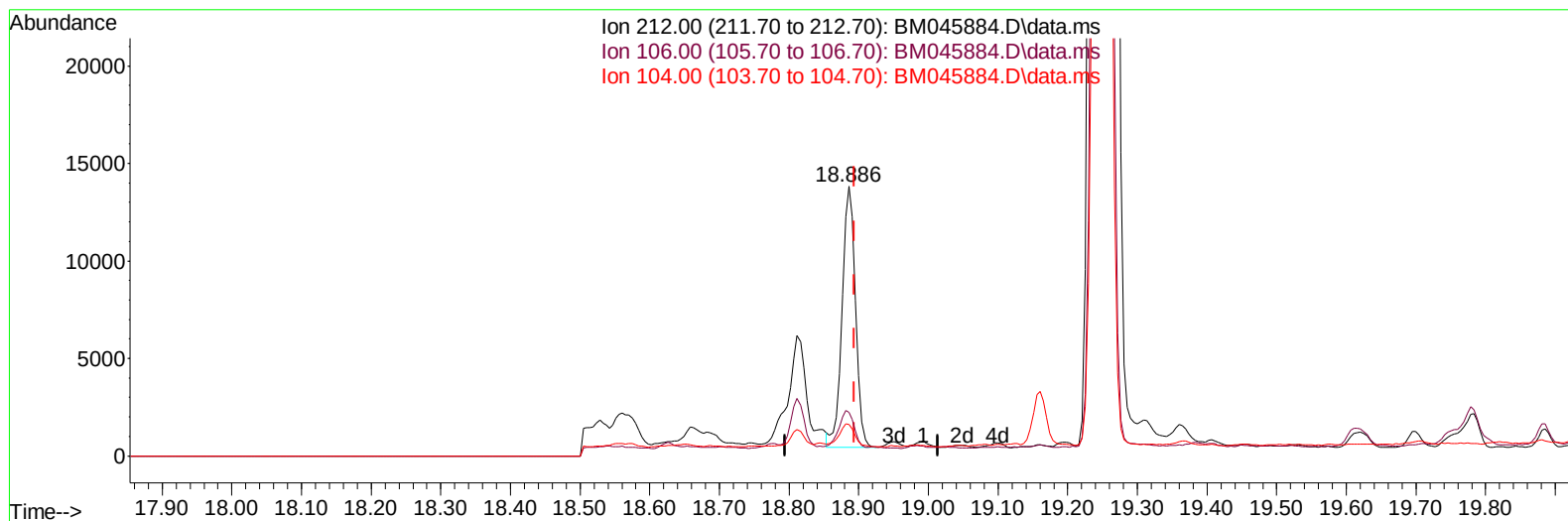
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:48:49 2024
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TIC: BM045884.D\data.ms

(18) Fluoranthene-d10 (SURR)

18.886min (-0.008) 0.37 ng/ul m

response 18051

Ion	Exp%	Act%
212.00	100.00	100.00
106.00	14.00	1.36#
104.00	8.70	0.74#
0.00	0.00	0.00

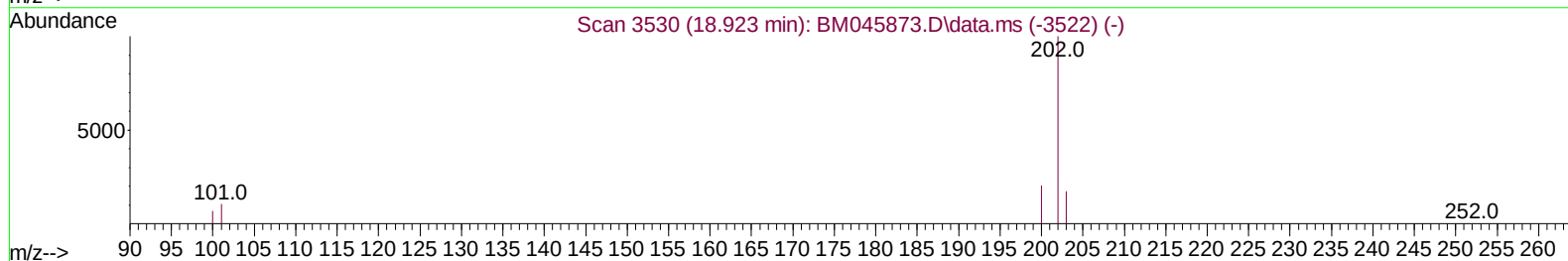
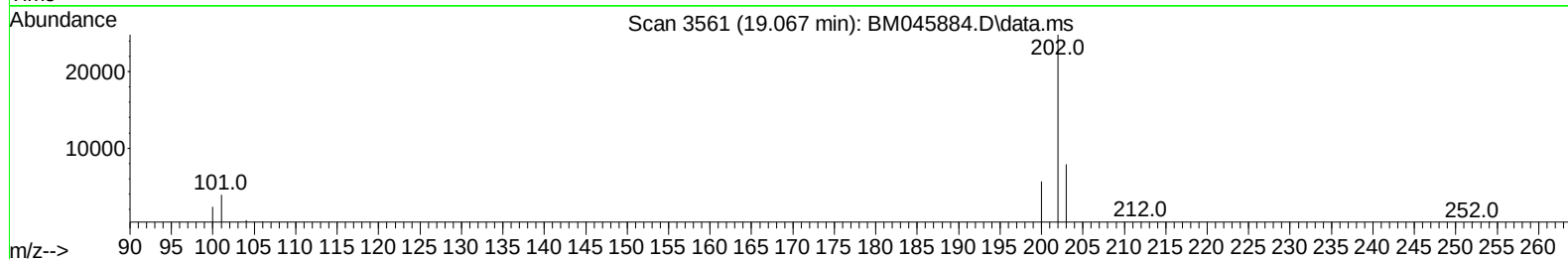
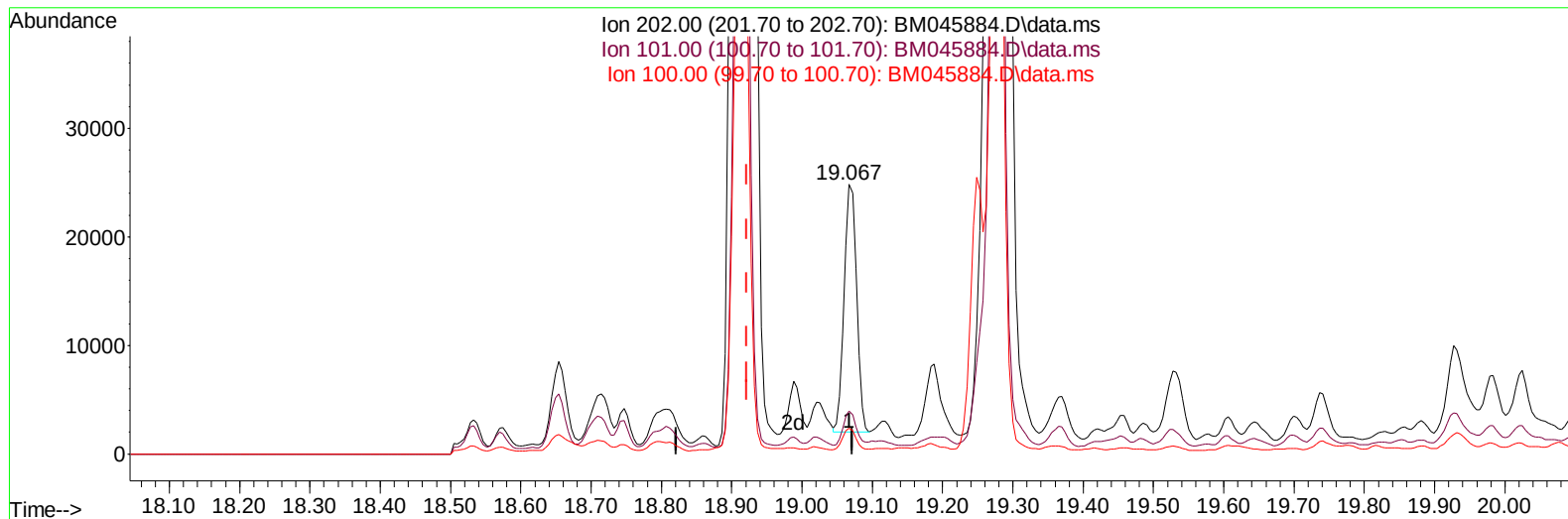
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(19) Fluoranthene (C)

19.067min (+ 0.145) 0.43 ng/u1

response 27877

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.30	15.90#
100.00	8.80	9.55
0.00	0.00	0.00

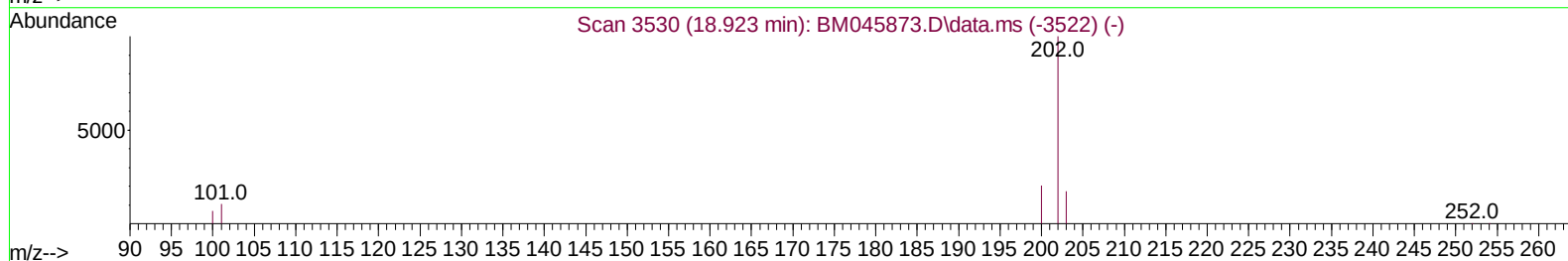
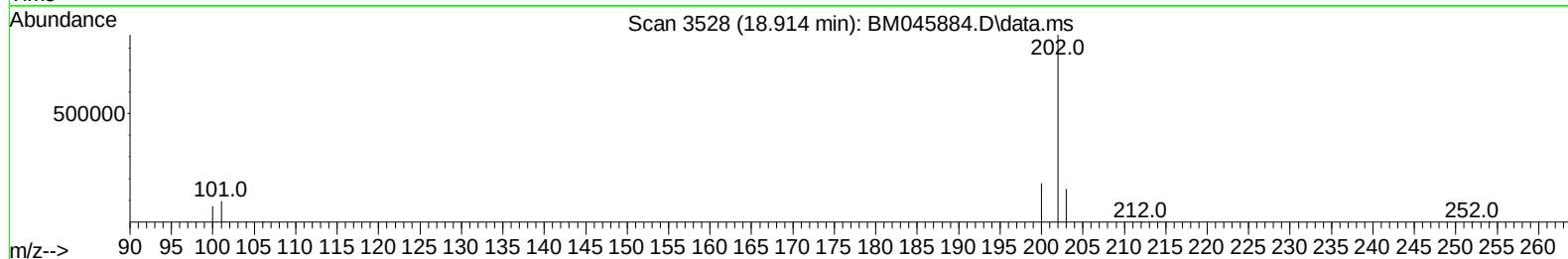
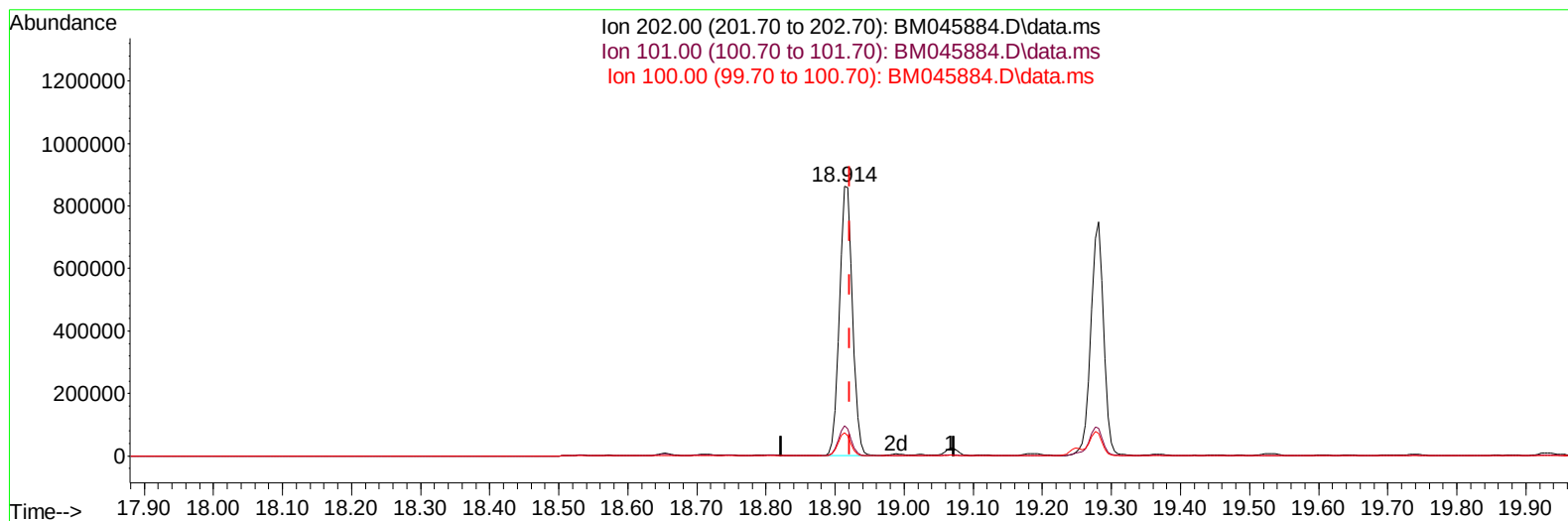
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

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Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045884.D\data.ms

(19) Fluoranthene (C)

18.914min (-0.008) 17.47 ng/ul m

response 1127143

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	11.30	11.23
100.00	8.80	8.64
0.00	0.00	0.00

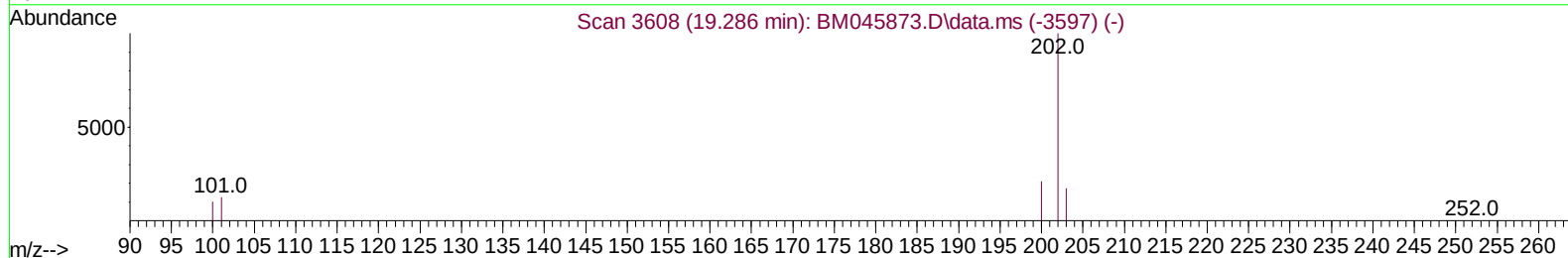
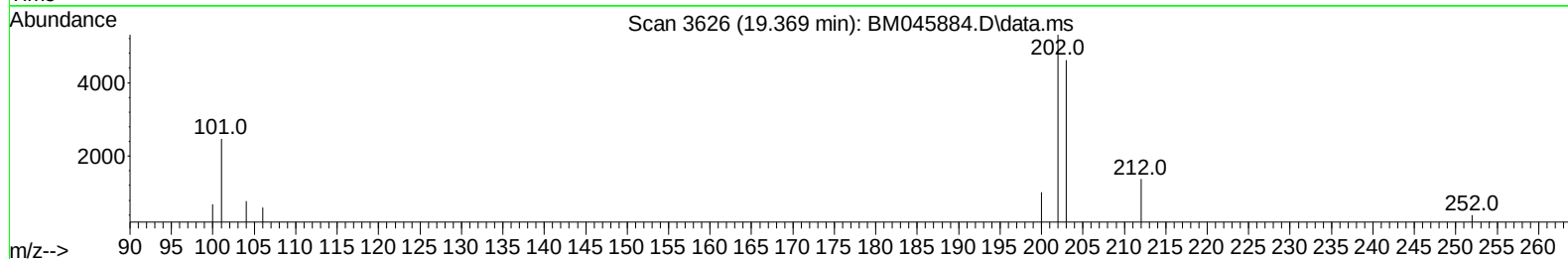
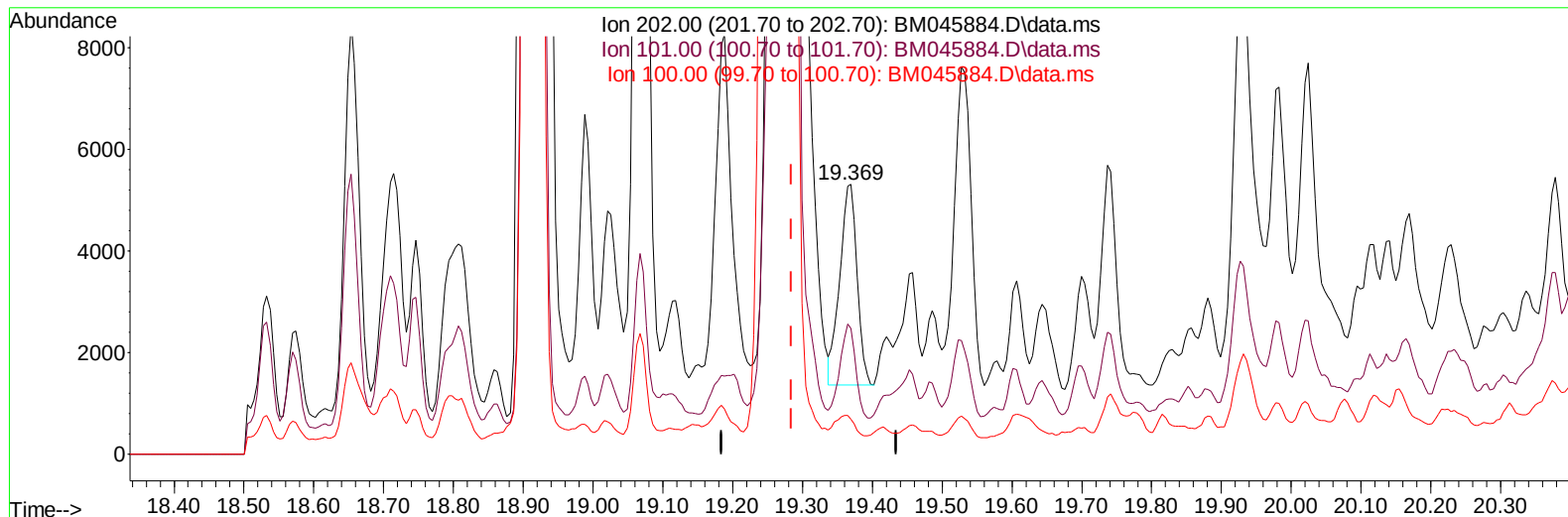
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
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Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

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TIC: BM045884.D\data.ms

(20) Pyrene

19.369min (+ 0.085) 0.10 ng/u1

response 6840

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	46.66#
100.00	11.40	12.97
0.00	0.00	0.00

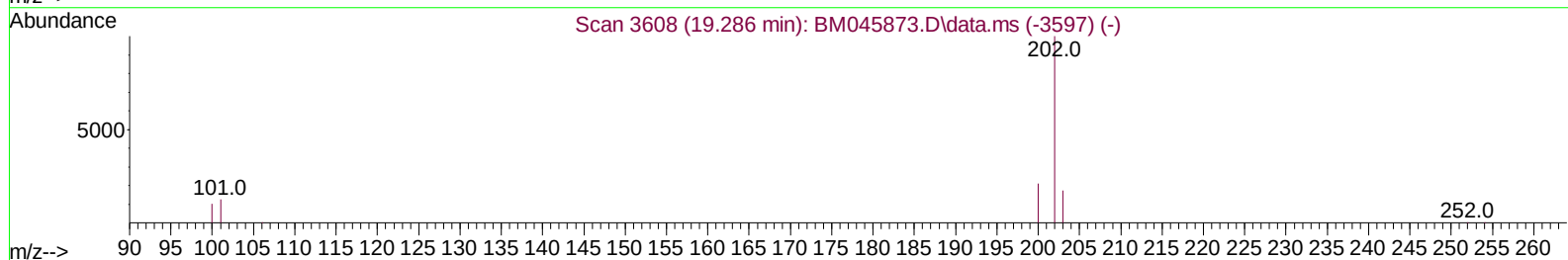
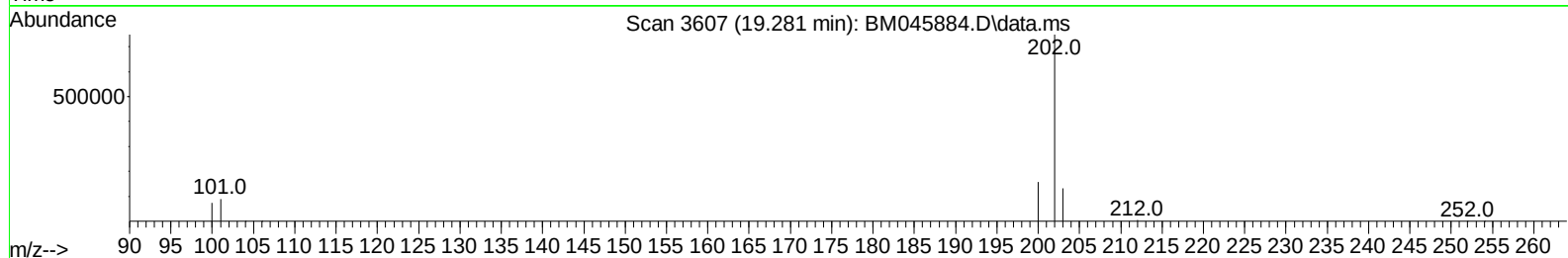
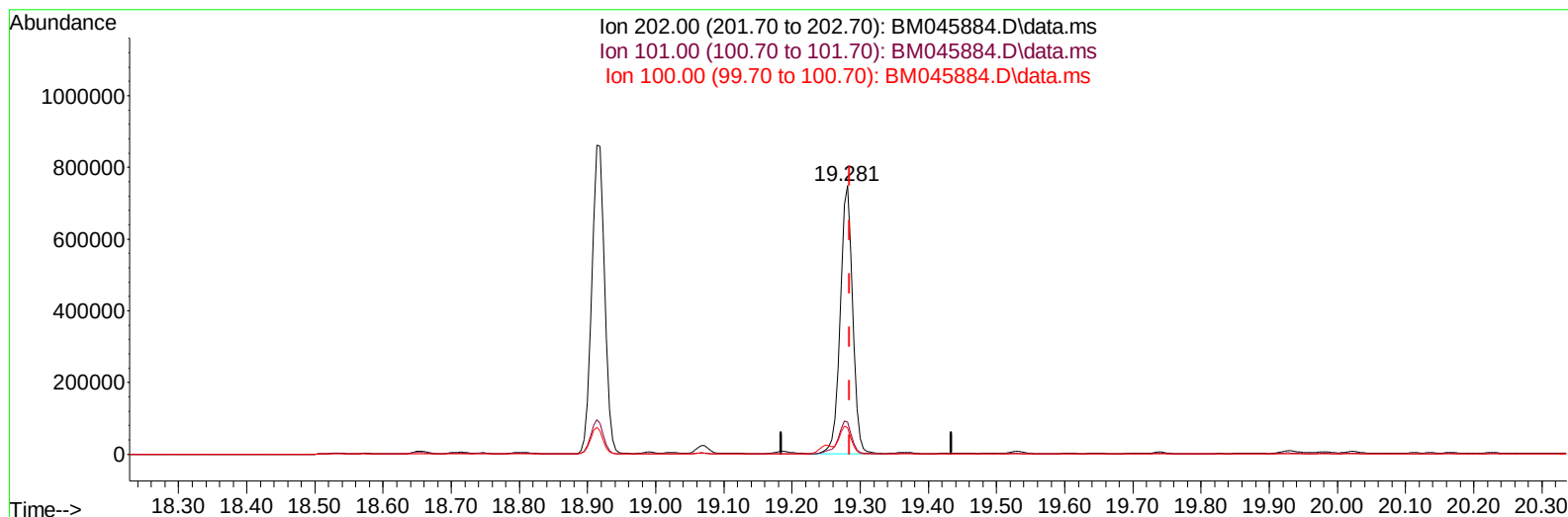
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Quant Time: Jun 07 16:48:49 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 : Thu Jun 06 17:58:22 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024



TIC: BM045884.D\data.ms

(20) Pyrene

19.281min (-0.003) 14.02 ng/ul m

response 943736

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	13.30	11.98
100.00	11.40	9.71
0.00	0.00	0.00

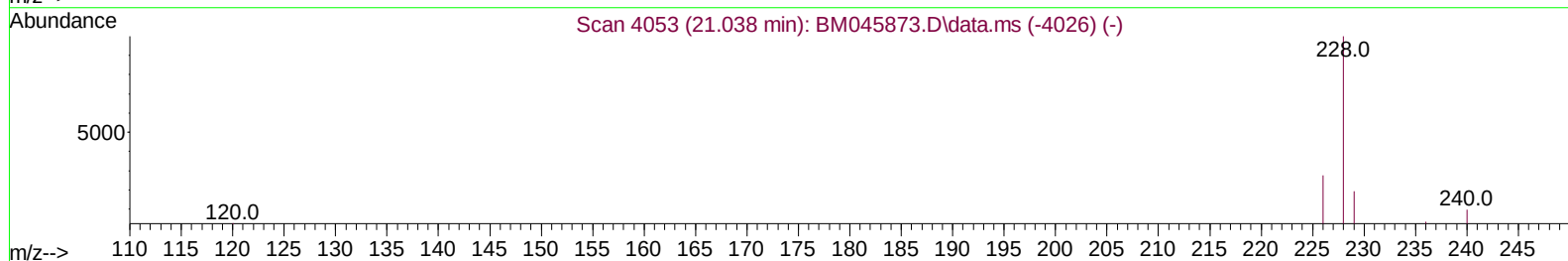
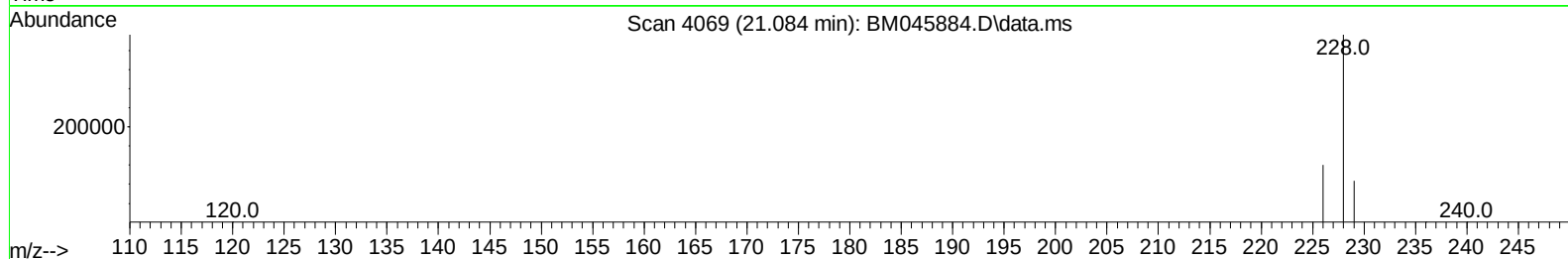
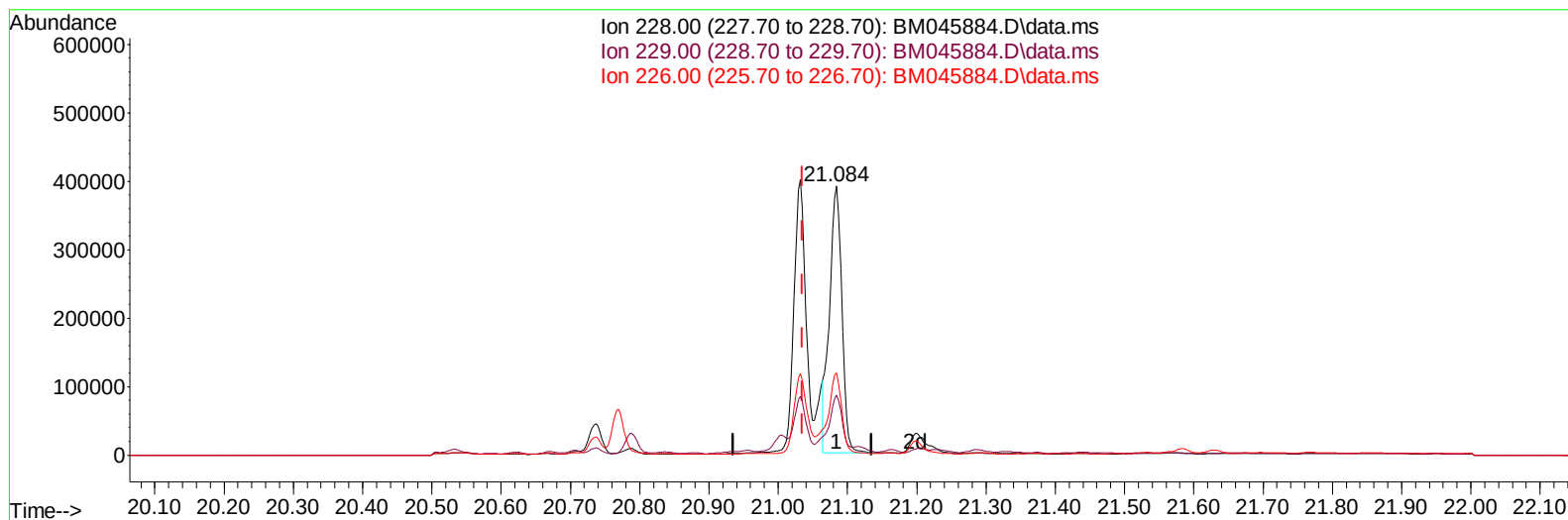
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Reviewed By :Yogesh Patel 06/08/2024
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TIC: BM045884.D\data.ms

(21) Benzo(a)anthracene

21.084min (+ 0.049) 8.24 ng/u1

response 489664

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.35
226.00	27.50	30.56
0.00	0.00	0.00

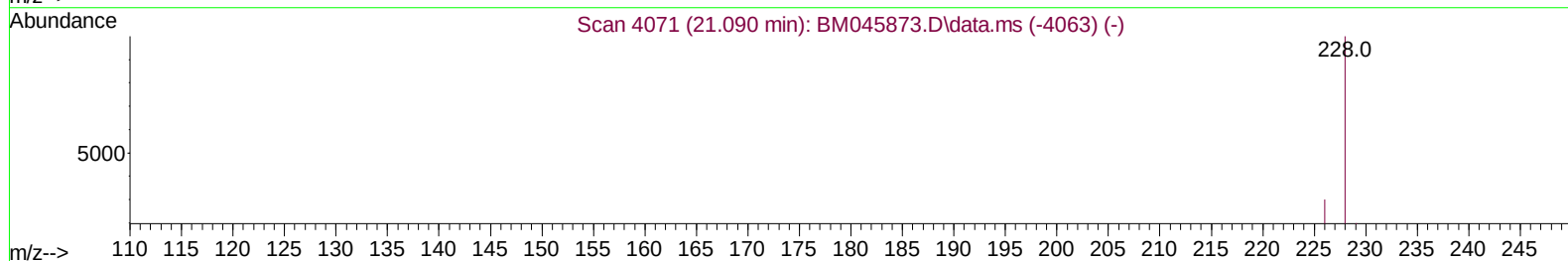
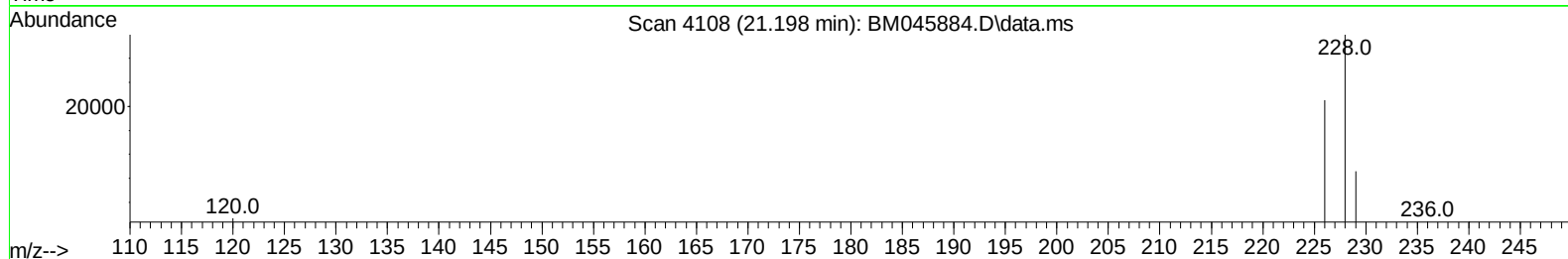
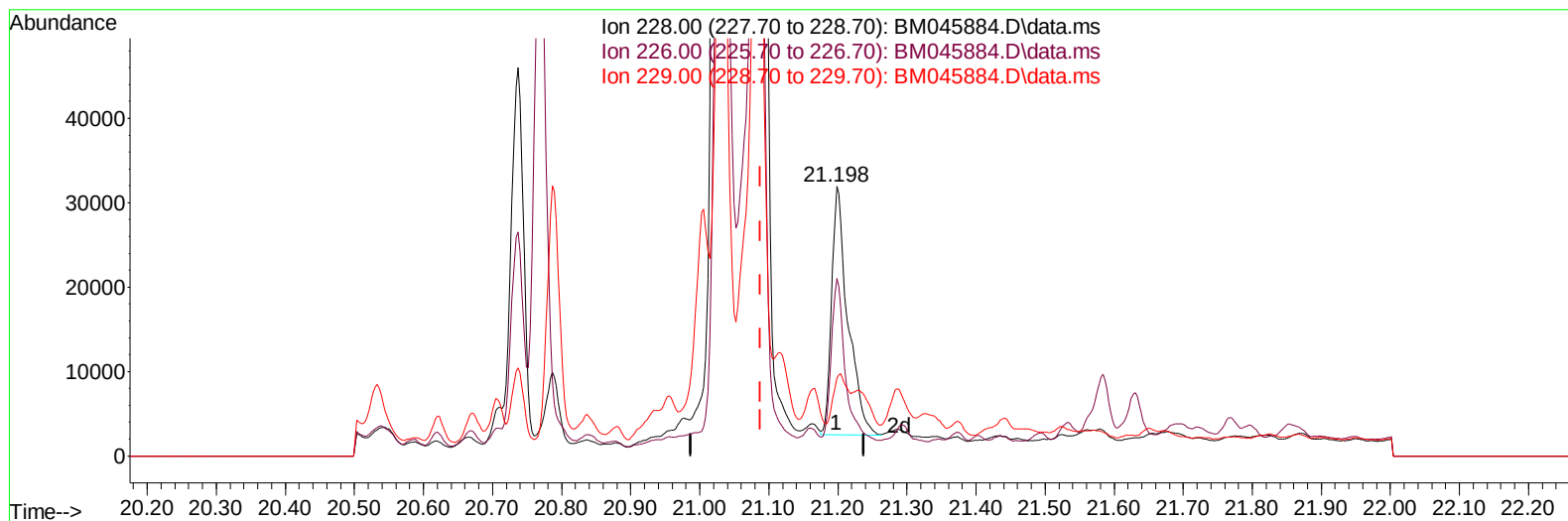
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

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TIC: BM045884.D\data.ms

(22) Chrysene

21.198min (+ 0.111) 0.74 ng/u1

response 47929

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.60	66.02#
229.00	20.20	28.93#
0.00	0.00	0.00

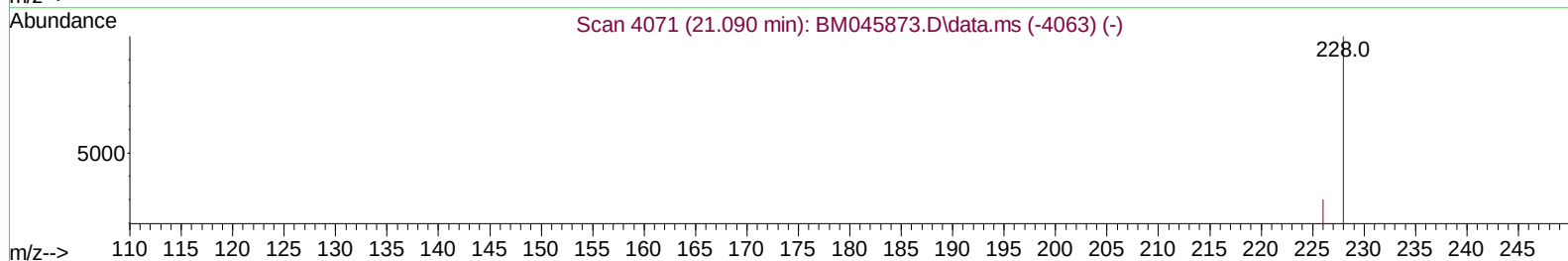
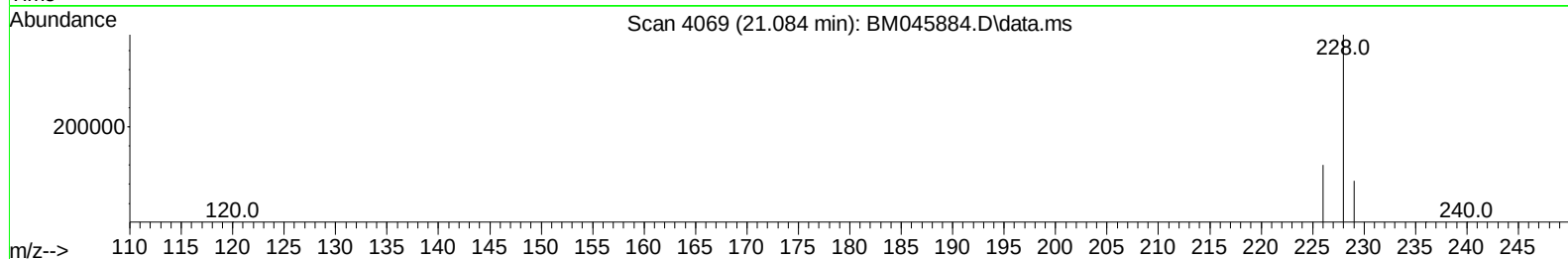
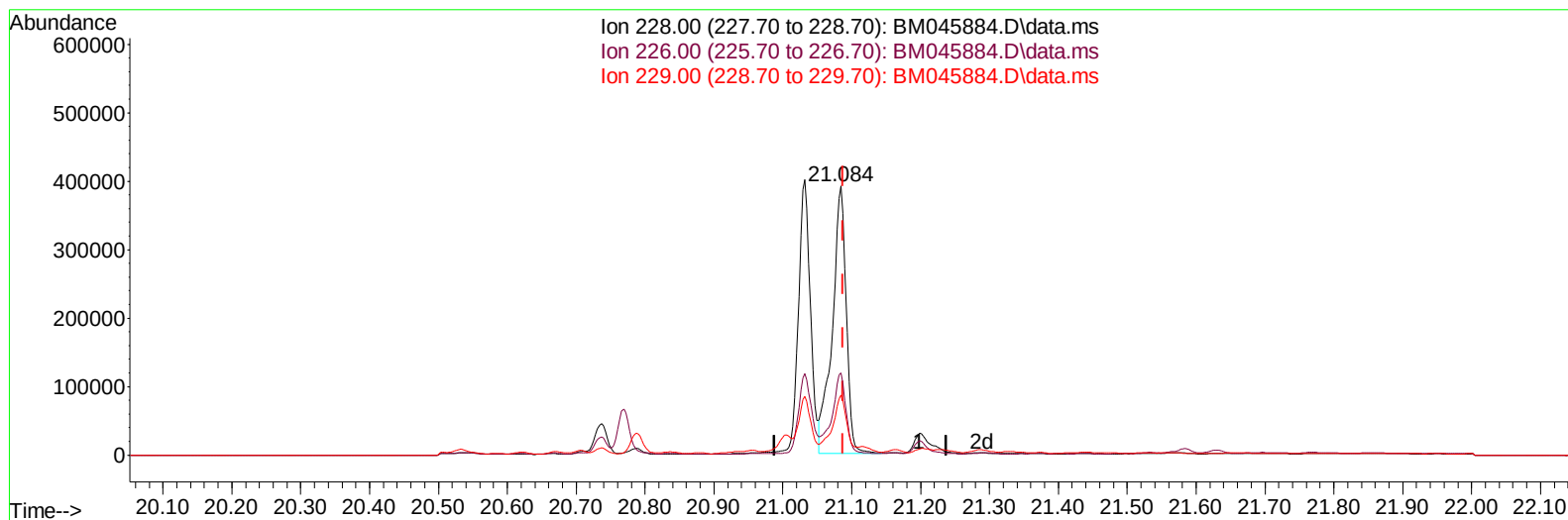
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(22) Chrysene

21.084min (-0.003) 8.56 ng/ul m

response 553443

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.60	30.56
229.00	20.20	22.35
0.00	0.00	0.00

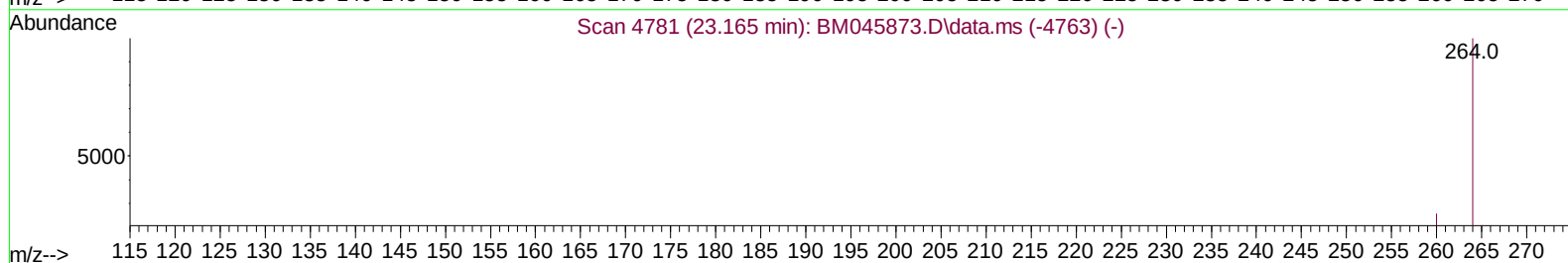
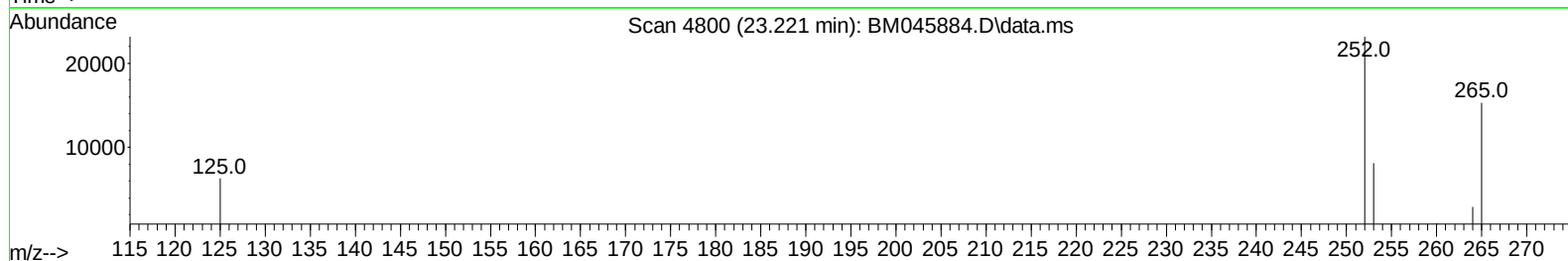
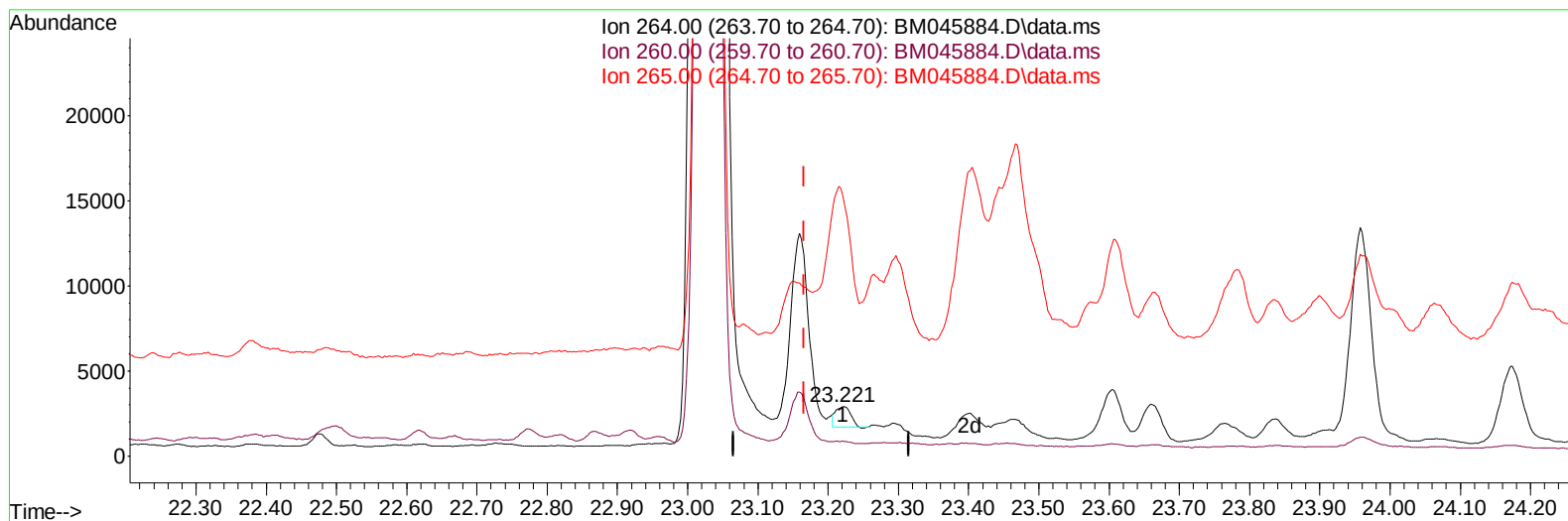
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
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Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

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TIC: BM045884.D\data.ms

(23) Perylene-d12 (I)

23.221min (+ 0.055) 0.40 ng/u1

response 1688

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	29.92
265.00	76.60	526.12#
0.00	0.00	0.00

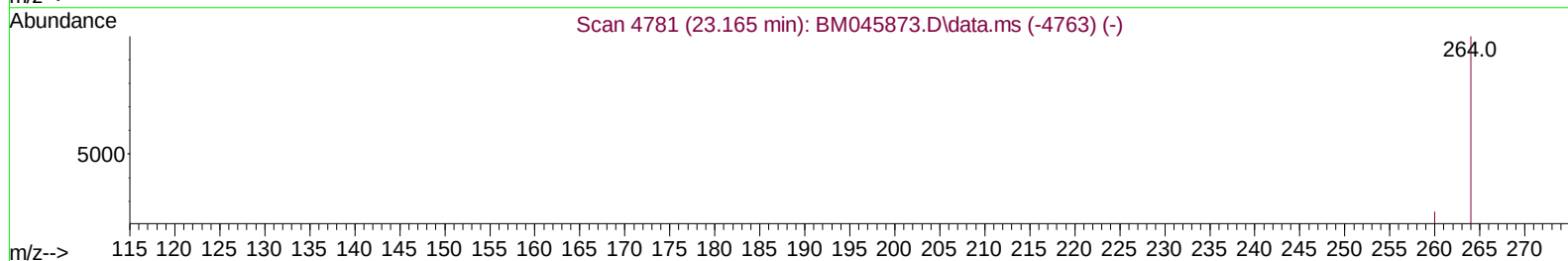
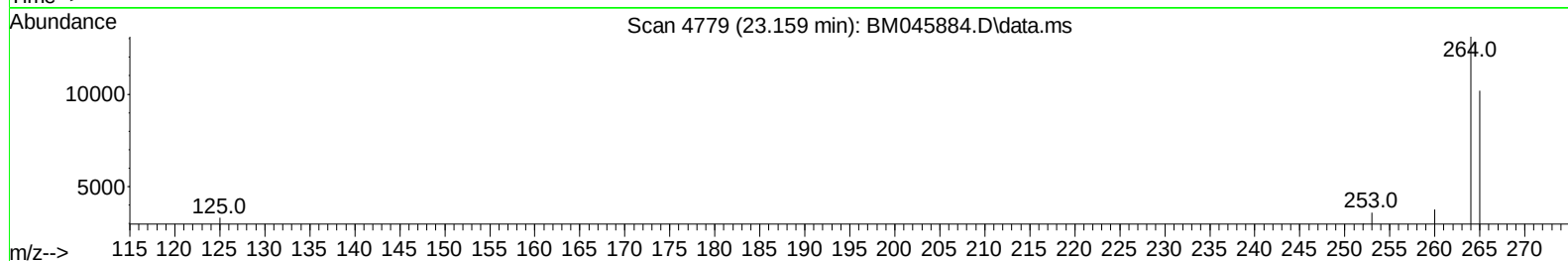
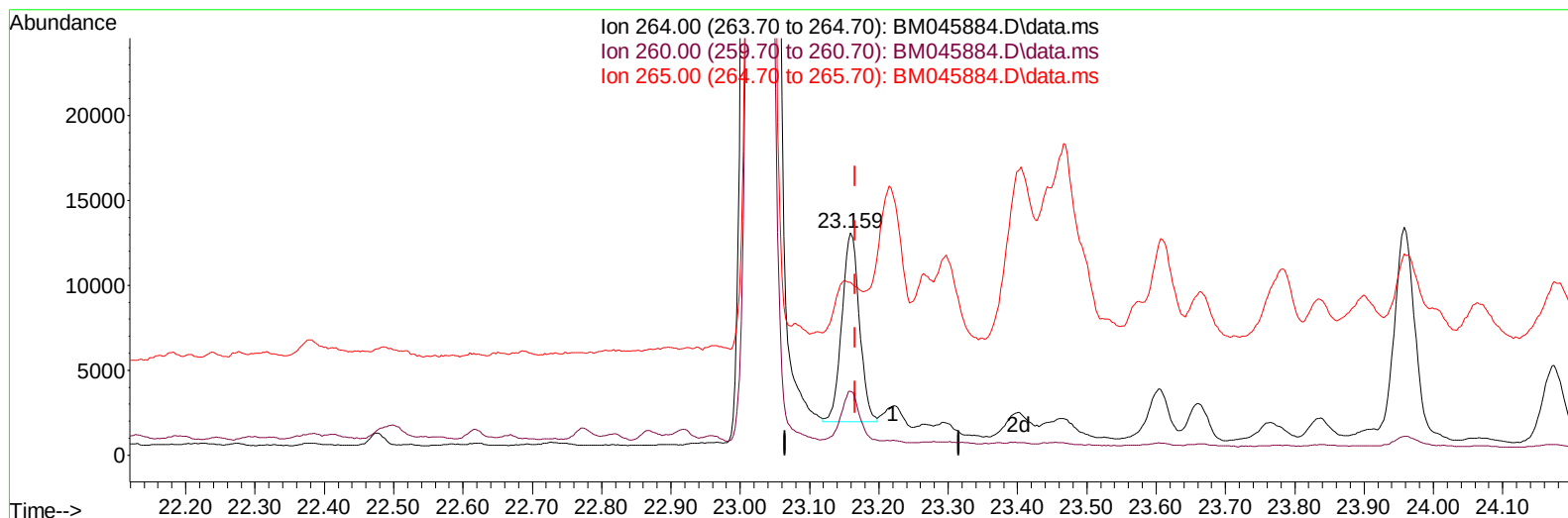
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

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TIC: BM045884.D\data.ms

(23) Perylene-d12 (I)

23.159min (-0.006) 0.40 ng/ul m

response 19445

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	28.67
265.00	76.60	77.64
0.00	0.00	0.00

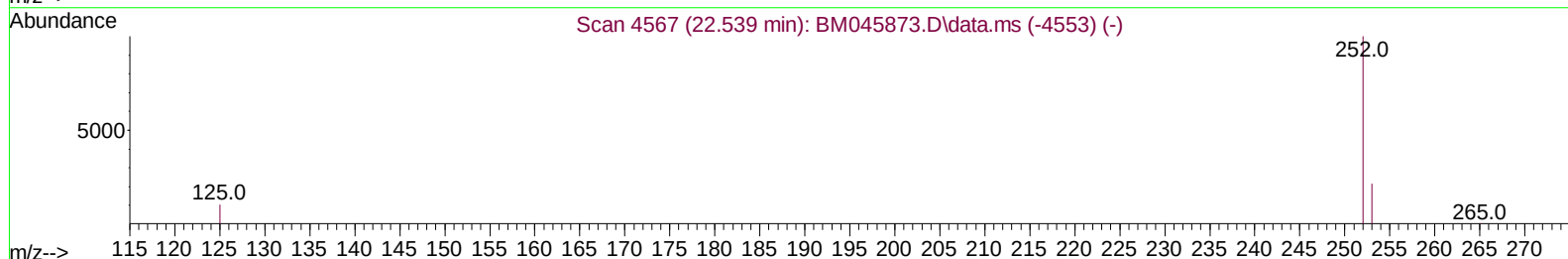
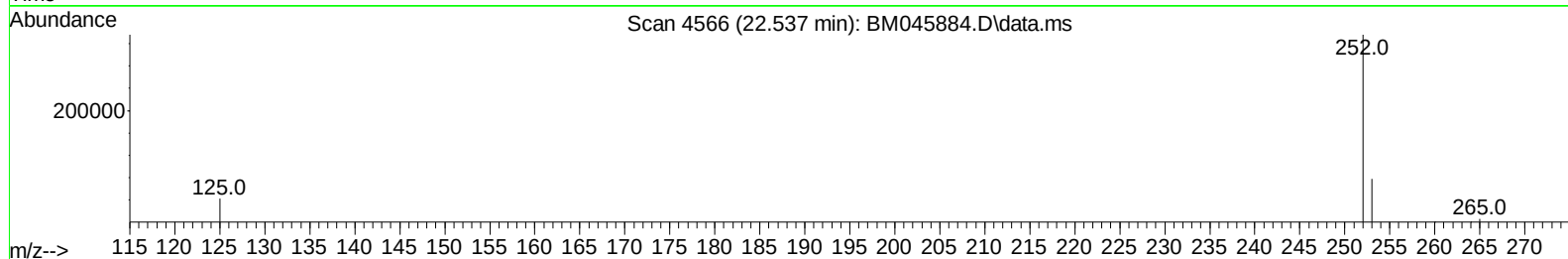
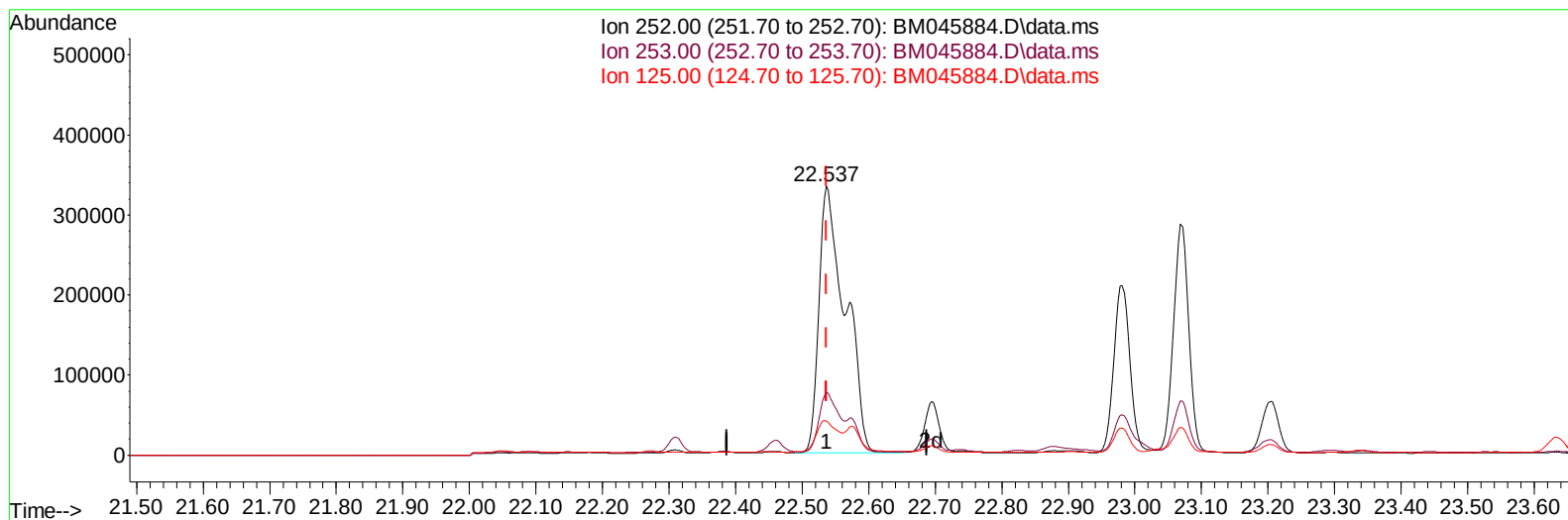
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
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TIC: BM045884.D\data.ms

(24) Benzo(b)fluoranthene

22.537min (-0.000) 14.22 ng/u1

response 917218

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.19
125.00	17.90	12.60
0.00	0.00	0.00

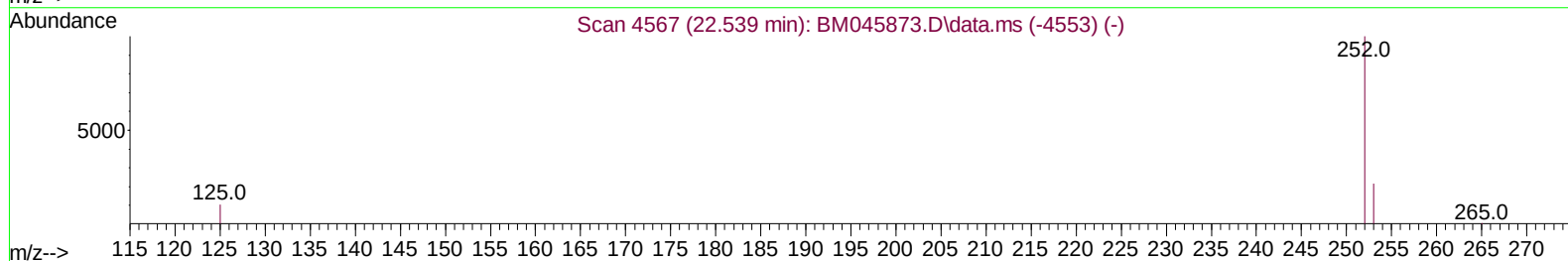
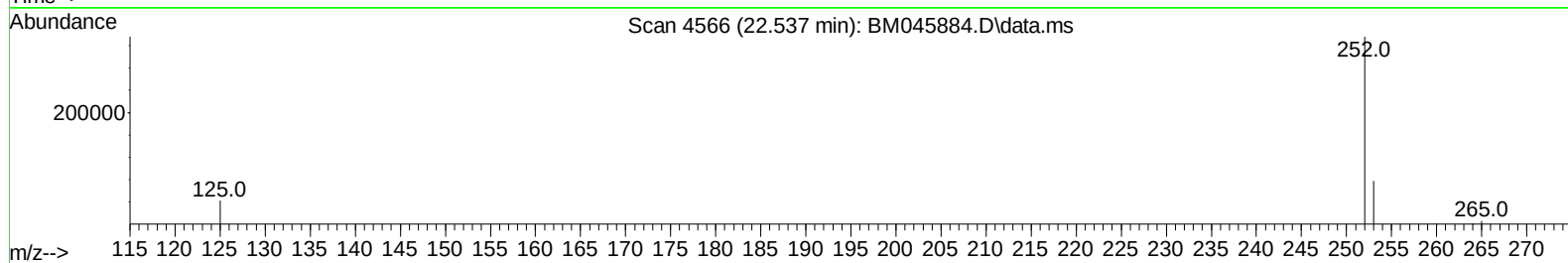
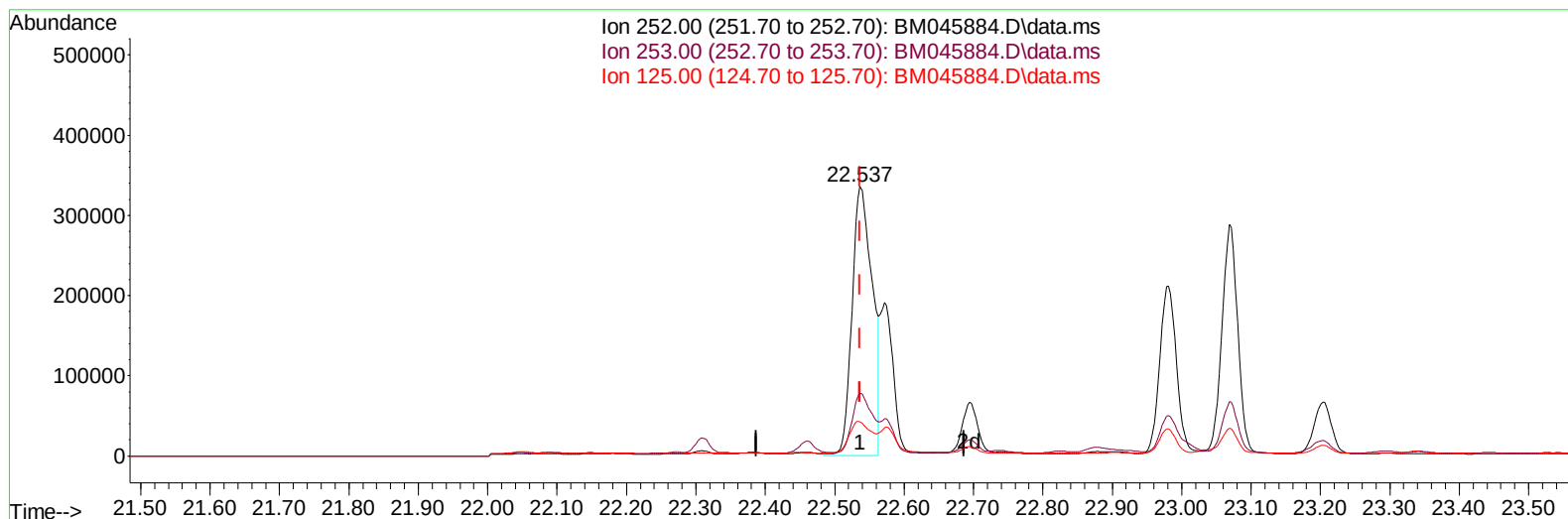
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/13/2024

Quant Time: Jun 07 16:48:49 2024
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TIC: BM045884.D\data.ms

(24) Benzo(b)fluoranthene

22.537min (-0.000) 10.56 ng/ul m

response 680960

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.80	23.19
125.00	17.90	12.60
0.00	0.00	0.00

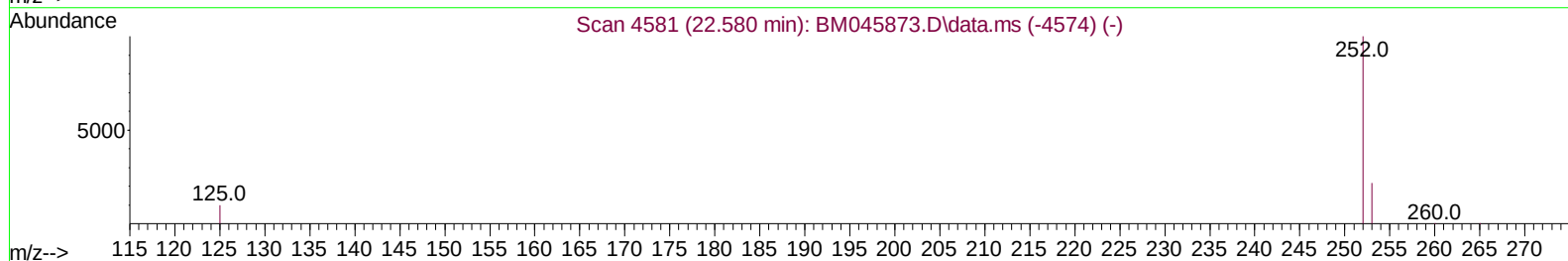
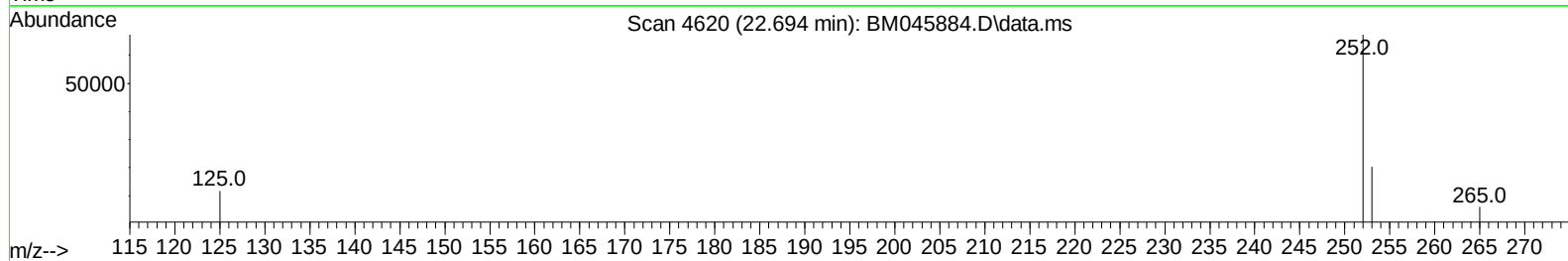
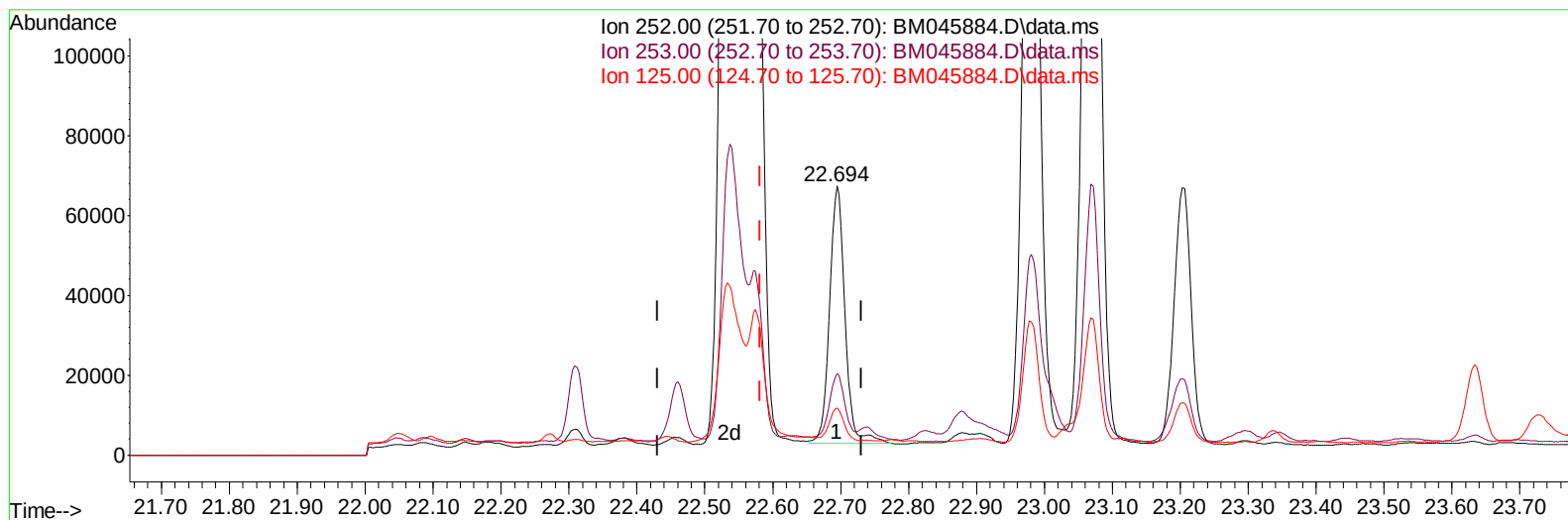
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
 Data File : BM045884.D
 Acq On : 07 Jun 2024 16:08
 Operator : MA/JU
 Sample : P2586-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D21

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TIC: BM045884.D\data.ms

(25) Benzo(k)fluoranthene

22.694min (+ 0.114) 1.43 ng/u1

response 101612

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	30.20
125.00	17.70	17.47
0.00	0.00	0.00

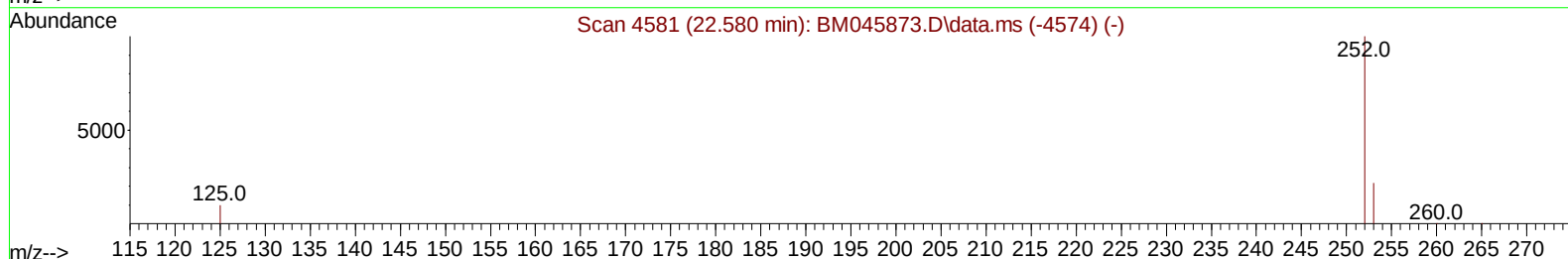
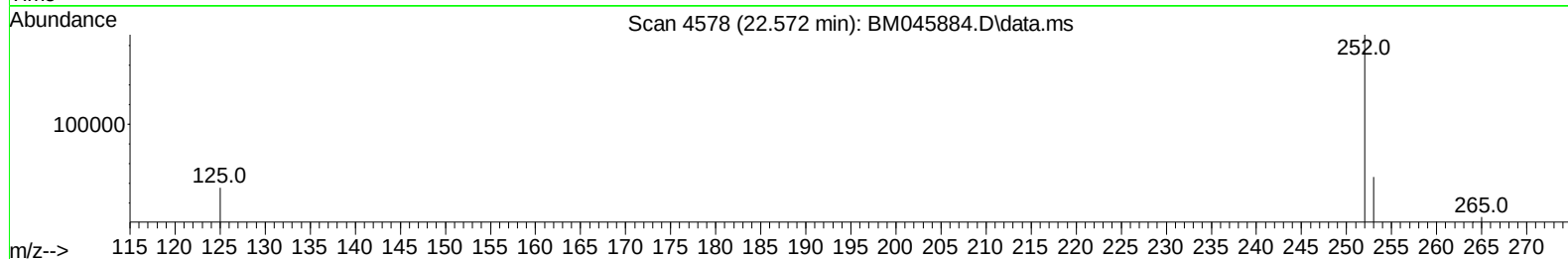
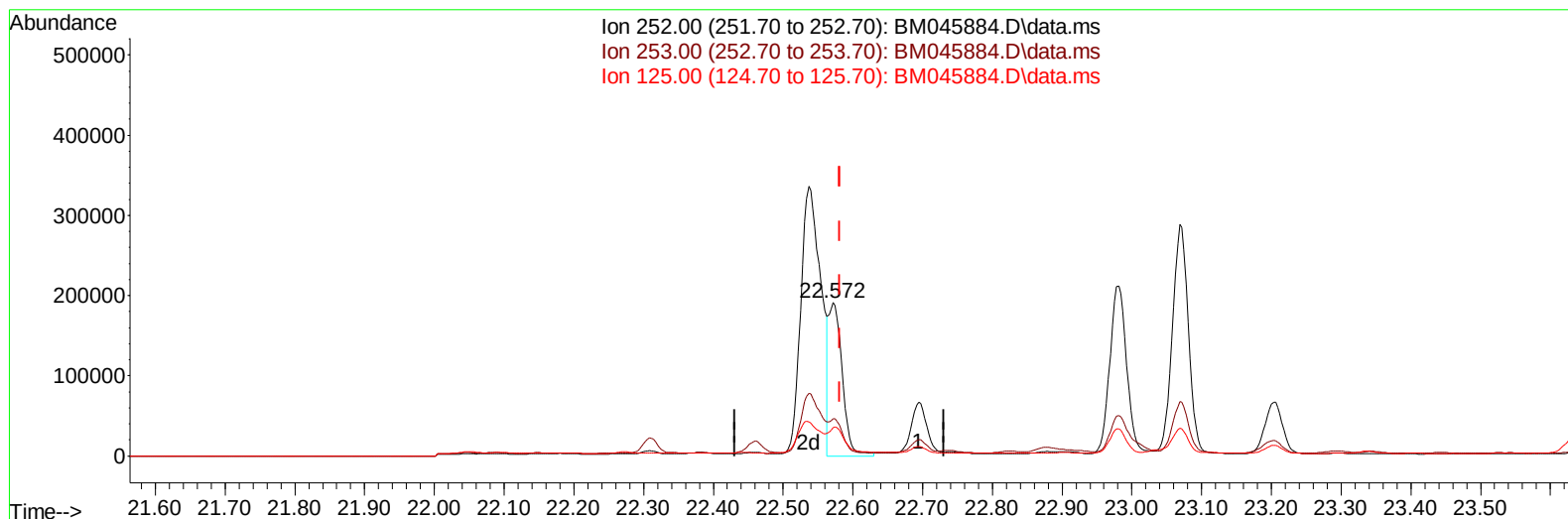
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
Data File : BM045884.D
Acq On : 07 Jun 2024 16:08
Operator : MA/JU
Sample : P2586-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4D21

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TIC: BM045884.D\data.ms

(25) Benzo(k)fluoranthene

22.572min (-0.009) 3.60 ng/ul m

response 254973

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	31.30	24.17#
125.00	17.70	18.59
0.00	0.00	0.00

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 Data File : BM045884.D
 Acq On : 07 Jun 2024 16:08
 Operator : MA/JU
 Sample : P2586-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4D21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.468	152	6460	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.238	136	21856	0.400	ng/ul	#-0.02
9) Acenaphthene-d10	14.109	164	12098	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.854	188	25397m	0.400	ng/ul	-0.01
17) Chrysene-d12	21.049	240	16183m	0.400	ng/ul	0.00
23) Perylene-d12	23.159	264	19445m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.059	96	31221	4.243	ng/ul	-0.03
6) 2-Methylnaphthalene-d10	11.833	152	8883	0.283	ng/ul	-0.02
18) Fluoranthene-d10	18.886	212	18051m	0.372	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.282	128	44209	0.774	ng/ul	100
7) 2-Methylnaphthalene	11.910	142	37141	1.020	ng/ul	99
8) 1-Methylnaphthalene	12.130	142	39272	0.992	ng/ul	99
10) Acenaphthylene	13.831	152	52925	0.962	ng/ul	99
11) Acenaphthene	14.174	153	16797	0.415	ng/ul	99
12) Fluorene	15.164	166	22462	0.497	ng/ul#	96
14) Pentachlorophenol	16.533	266	172	0.036	ng/ul	94
15) Phenanthrene	16.892	178	564599m	7.918	ng/ul	
16) Anthracene	16.985	178	101698m	1.672	ng/ul	
19) Fluoranthene	18.914	202	1127143m	17.467	ng/ul	
20) Pyrene	19.281	202	943736m	14.019	ng/ul	
21) Benzo(a)anthracene	21.032	228	480917m	8.096	ng/ul	
22) Chrysene	21.084	228	553443m	8.558	ng/ul	
24) Benzo(b)fluoranthene	22.537	252	680960m	10.558	ng/ul	
25) Benzo(k)fluoranthene	22.572	252	254973m	3.598	ng/ul	
26) Benzo(a)pyrene	23.069	252	453994	7.078	ng/ul#	79
27) Indeno(1,2,3-cd)pyrene	25.225	276	336674	4.059	ng/ul	92
28) Dibenzo(a,h)anthracene	25.232	278	85845	1.295	ng/ul	98
29) Benzo(g,h,i)perylene	25.859	276	336640	4.706	ng/ul	95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060724\
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ALS Vial : 13 Sample Multiplier: 1

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