

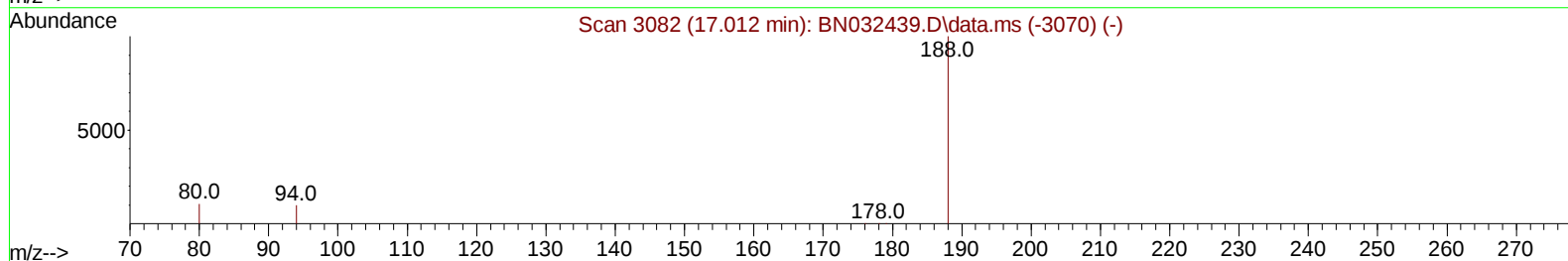
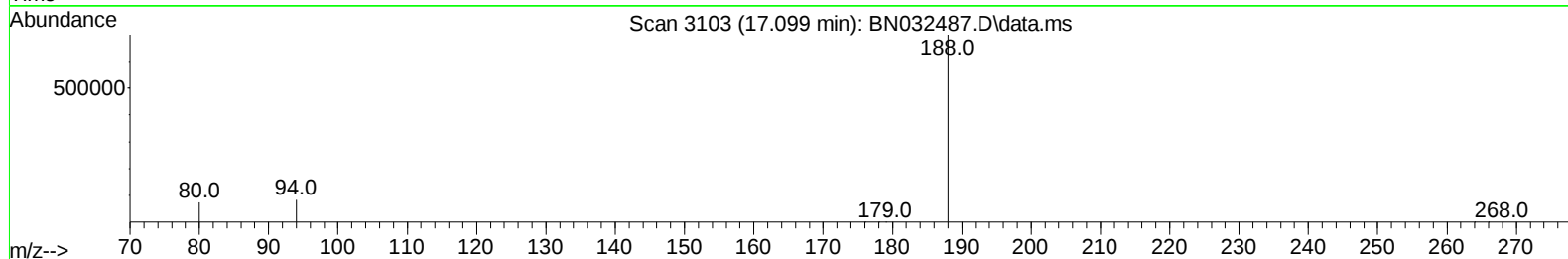
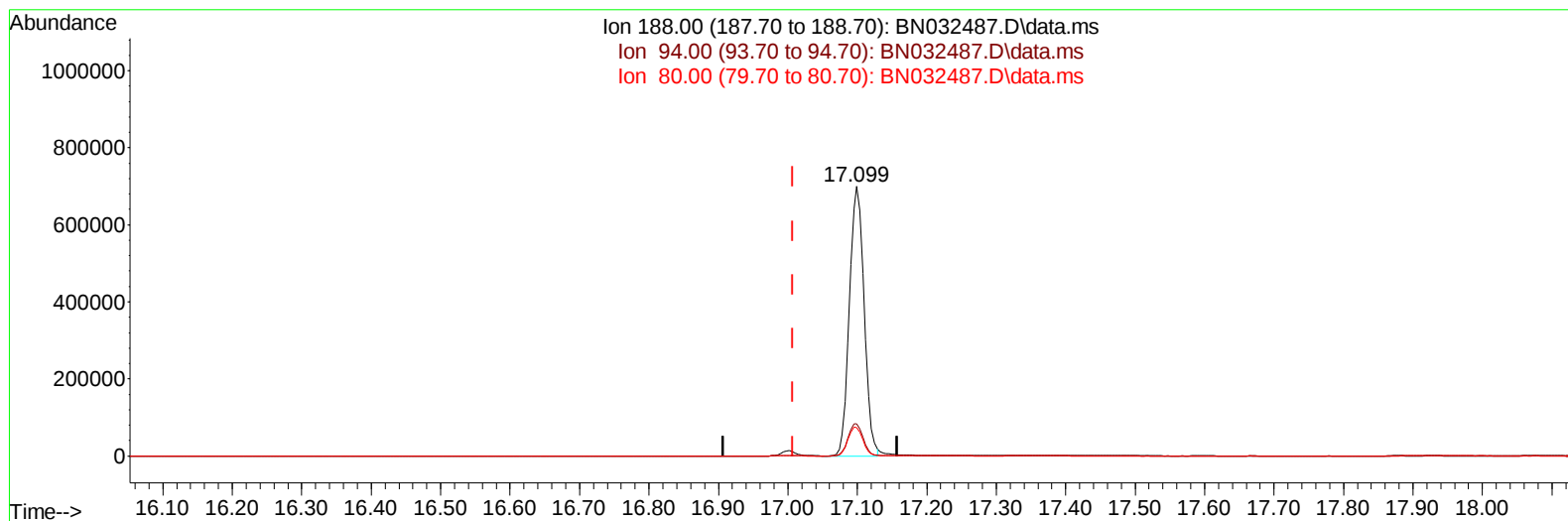
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(13) Phenanthrene-d10 (I)

17.099min (+ 0.092) 0.40 ng/u1

response 1022668

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	12.04
80.00	10.50	10.60
0.00	0.00	0.00

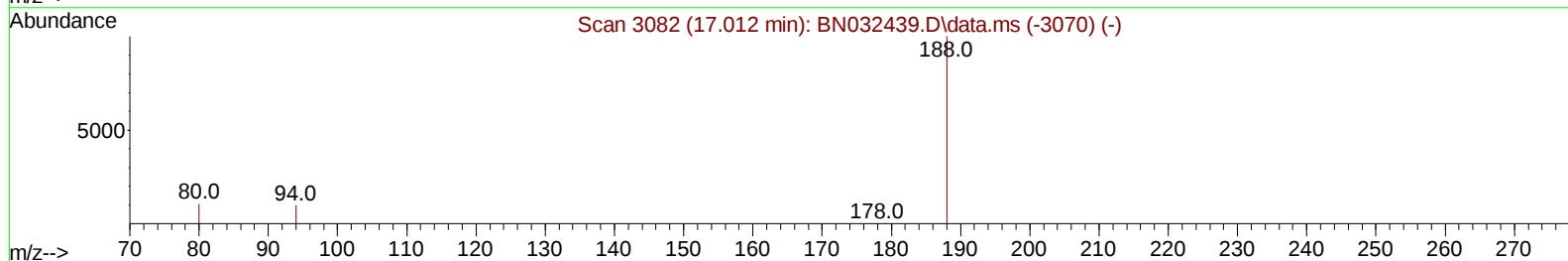
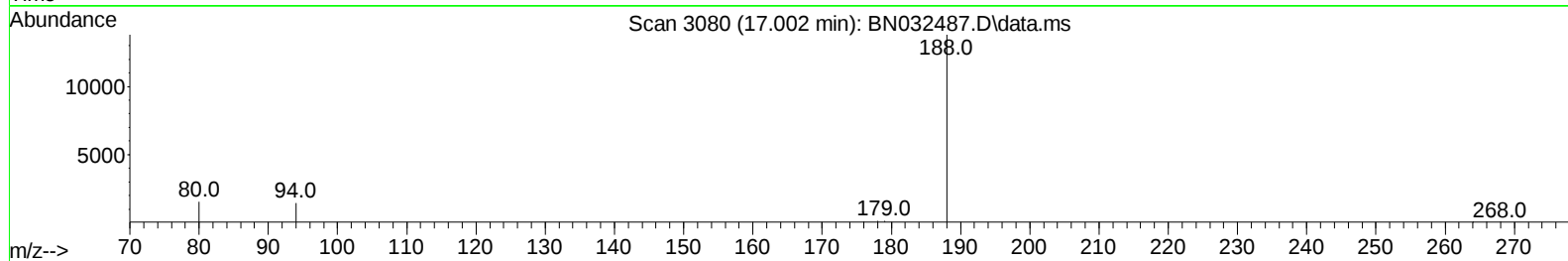
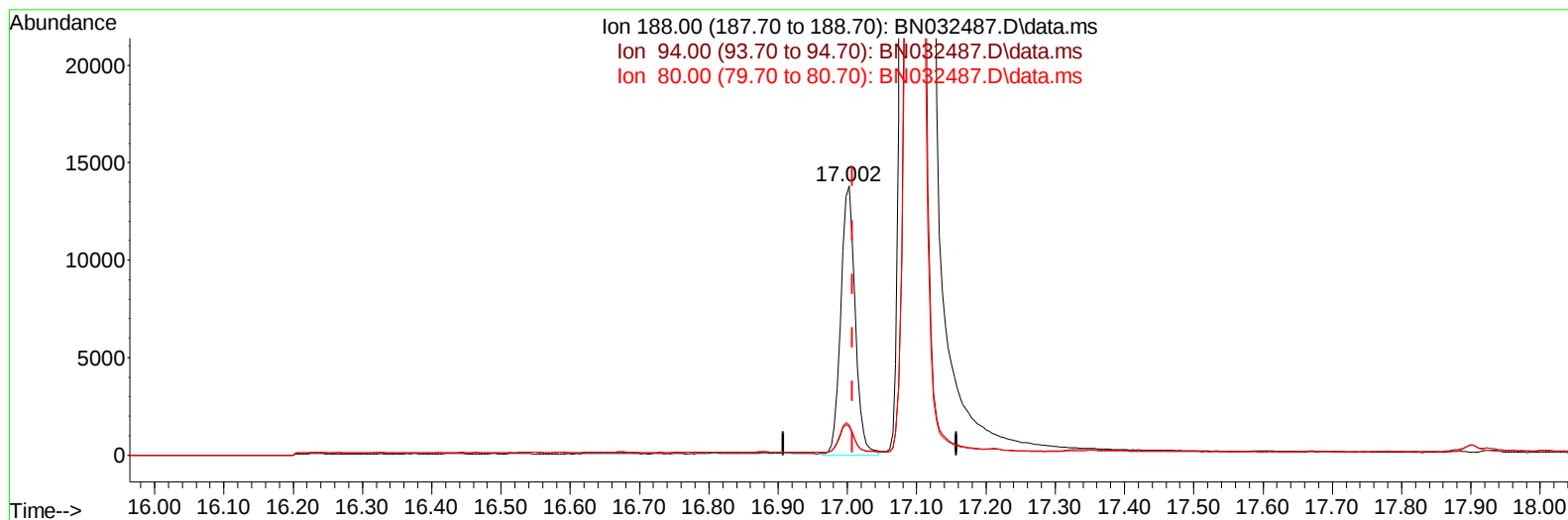
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
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QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(13) Phenanthrene-d10 (I)

17.002min (-0.005) 0.40 ng/ul m

response 19928

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	10.63
80.00	10.50	11.32
0.00	0.00	0.00

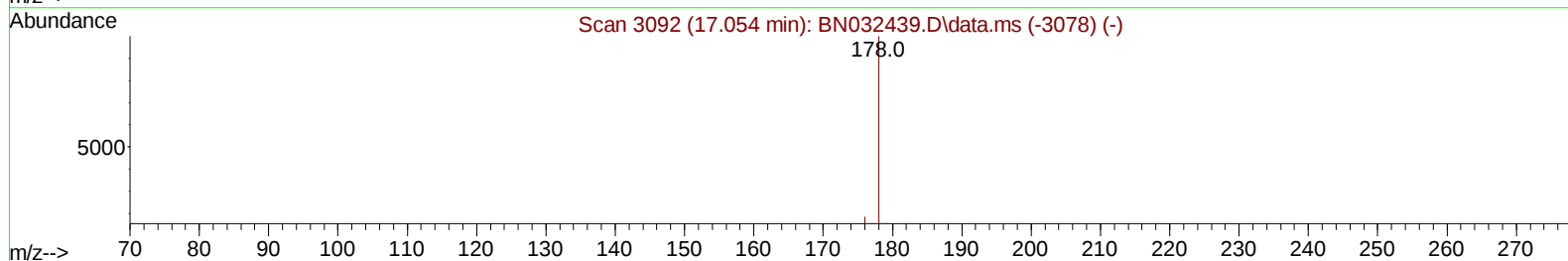
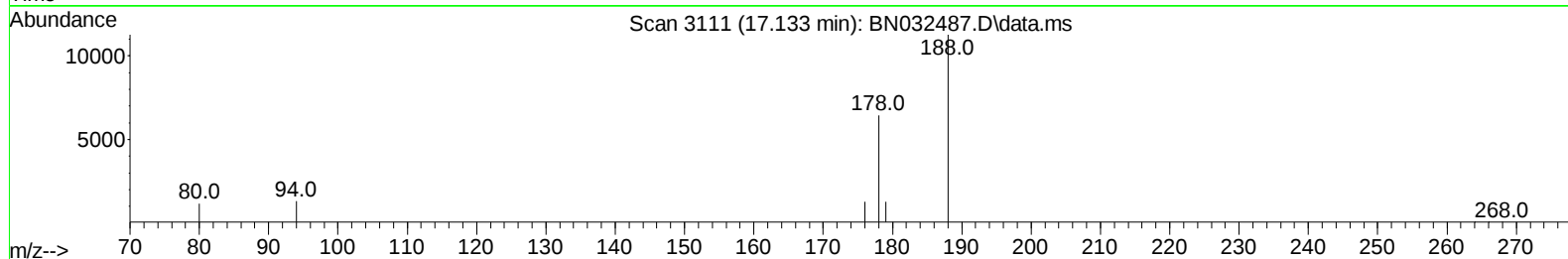
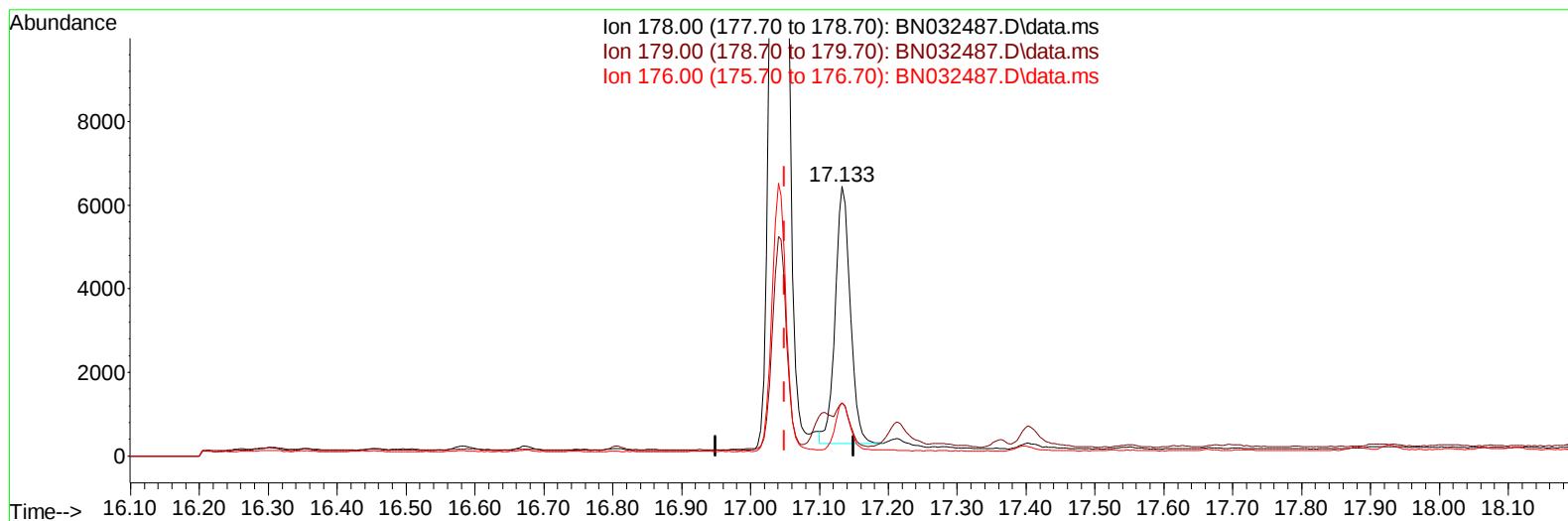
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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TIC: BN032487.D\data.ms

(15) Phenanthrene

17.133min (+ 0.083) 0.17 ng/u1

response 9355

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	19.69#
176.00	19.50	19.80
0.00	0.00	0.00

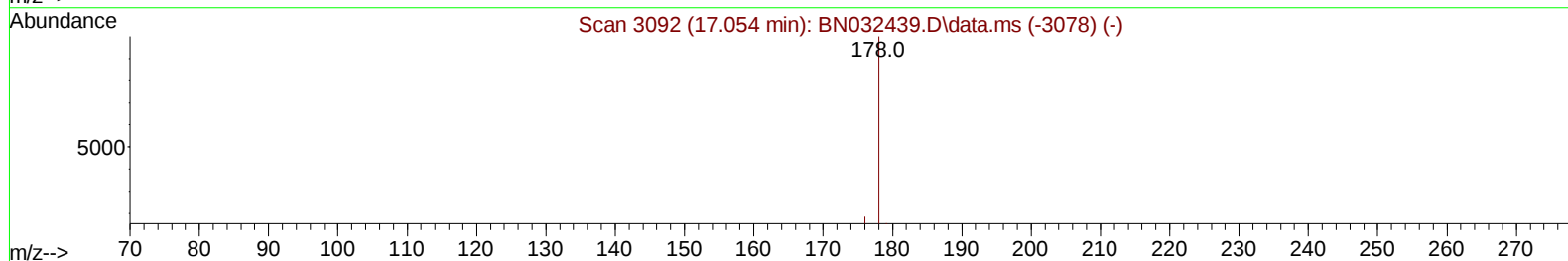
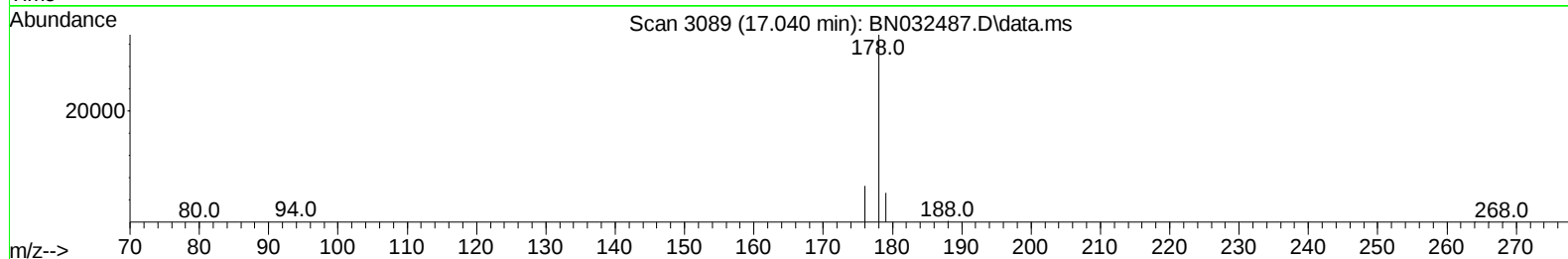
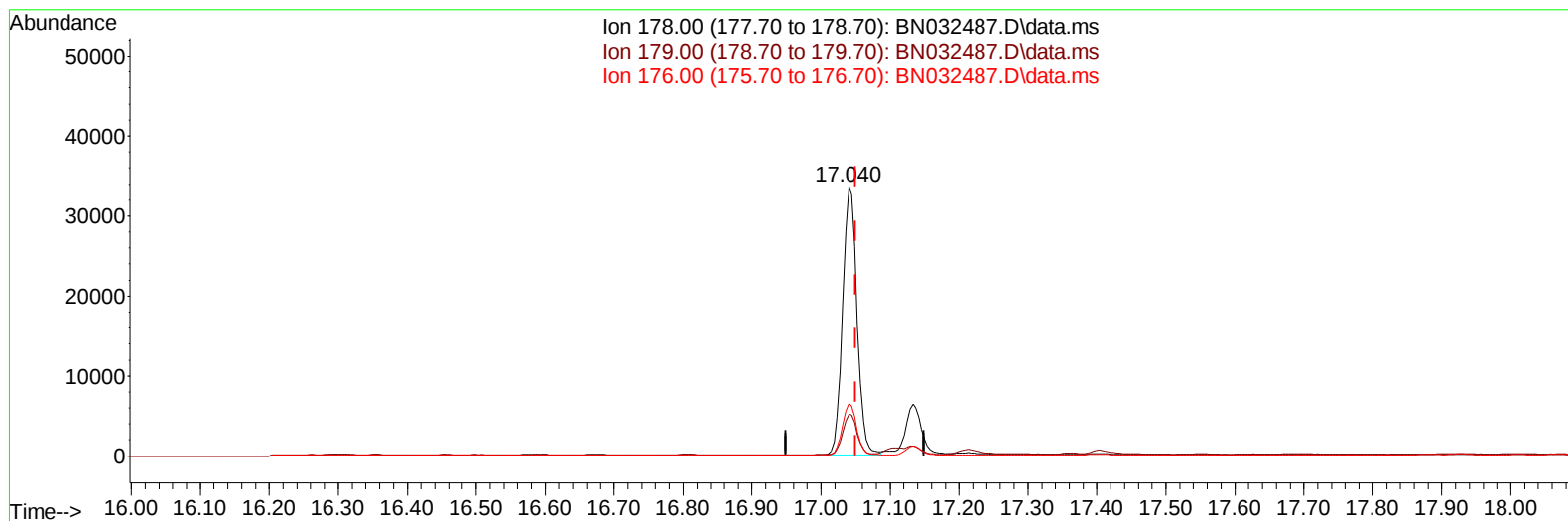
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(15) Phenanthrene

17.040min (-0.010) 0.88 ng/ul m

response 48292

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	15.58
176.00	19.50	19.37
0.00	0.00	0.00

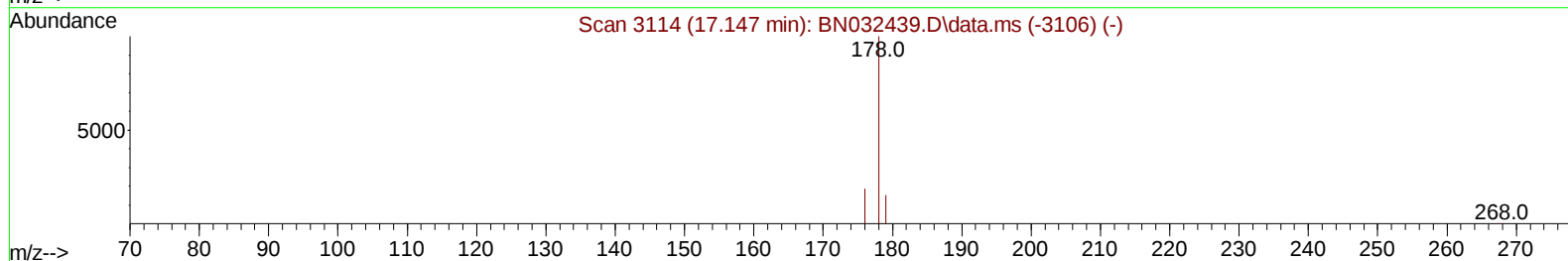
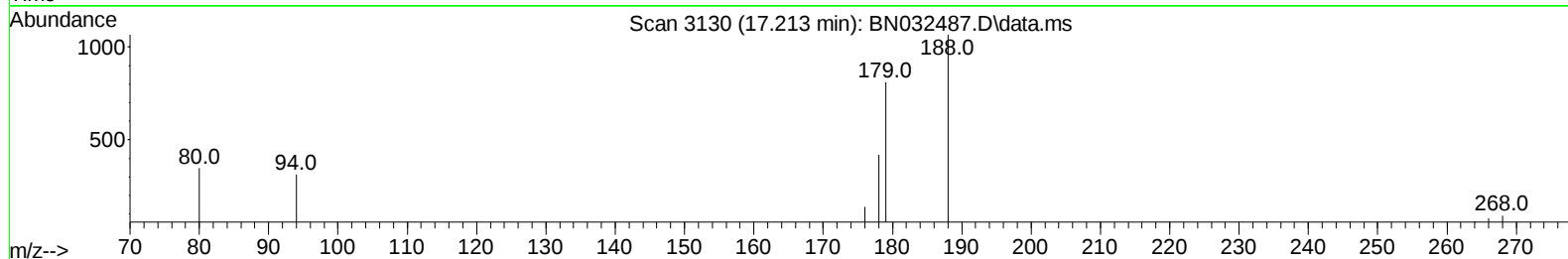
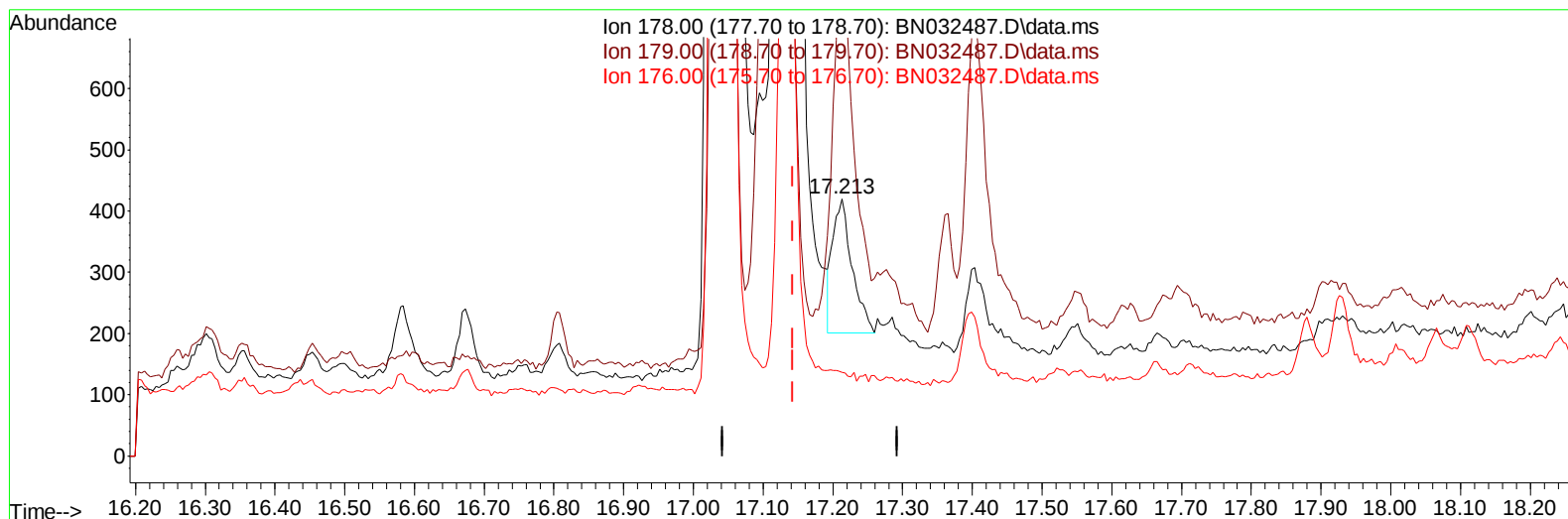
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 07/05/2024
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TIC: BN032487.D\data.ms

(16) Anthracene

17.213min (+ 0.071) 0.01 ng/u1

response 425

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	193.10#
176.00	18.80	32.62#
0.00	0.00	0.00

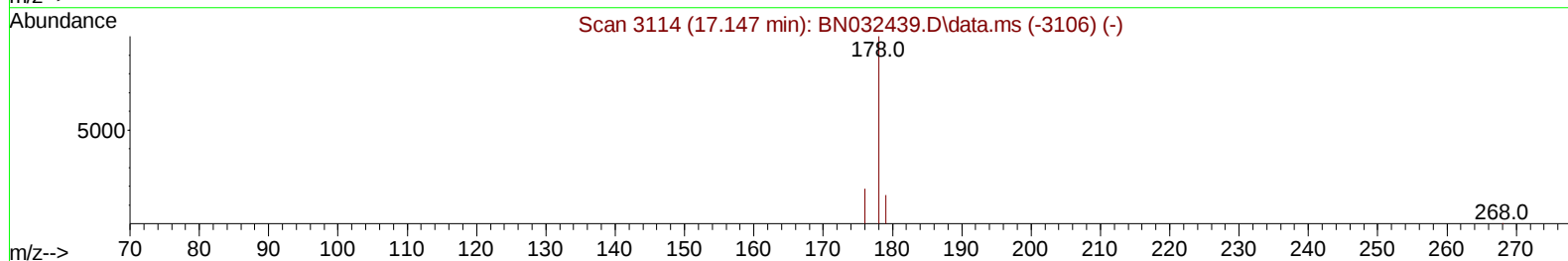
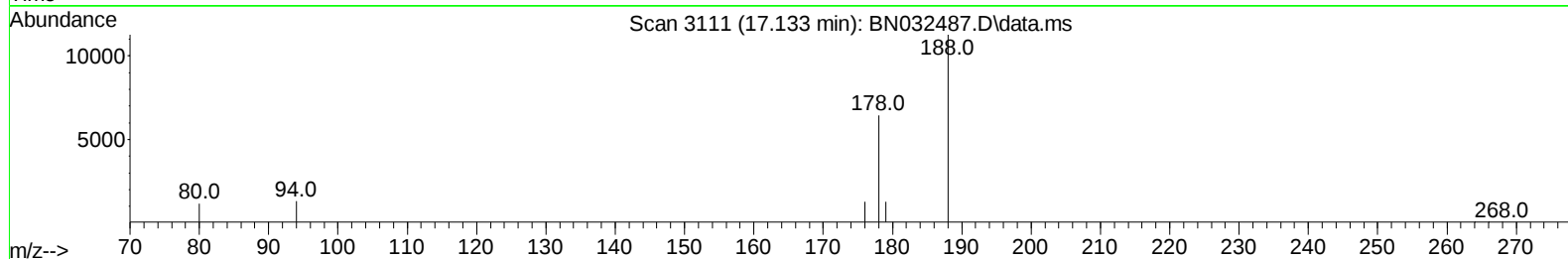
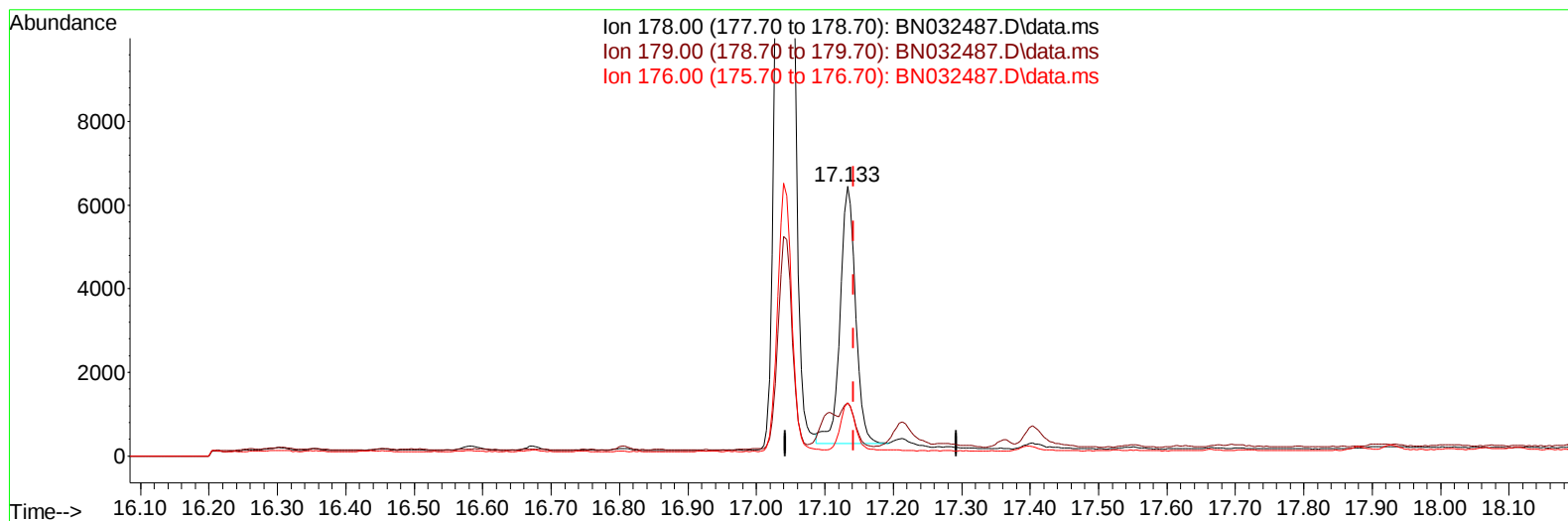
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Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(16) Anthracene

17.133min (-0.010) 0.20 ng/ul m

response 9647

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	19.69#
176.00	18.80	19.80
0.00	0.00	0.00

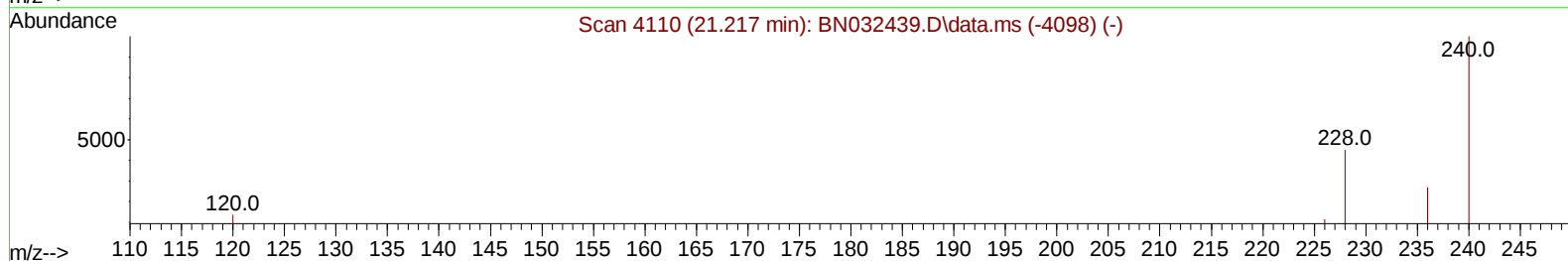
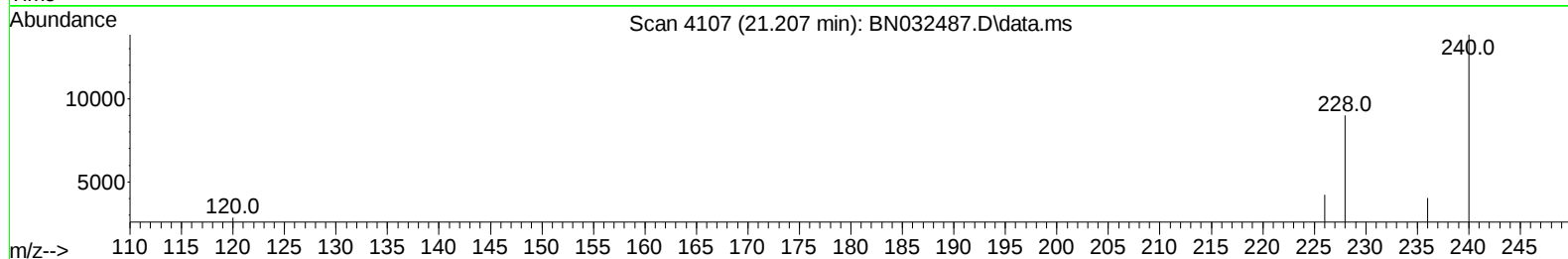
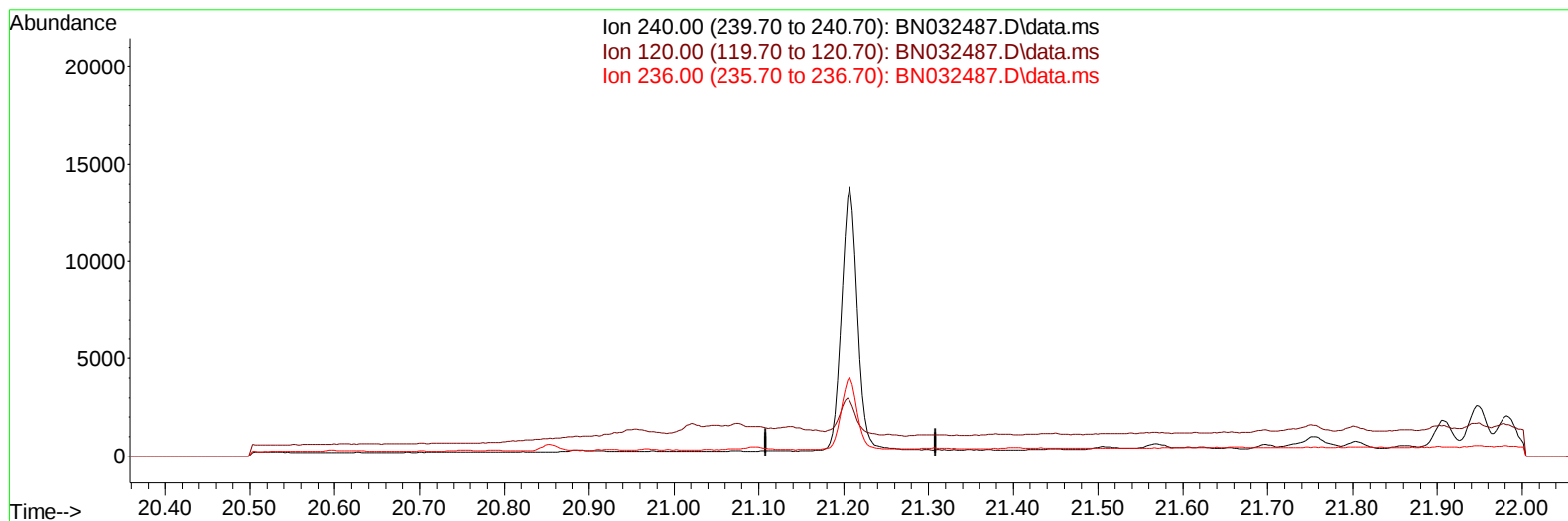
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(17) Chrysene-d12

21.209min (-21.209) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.80	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

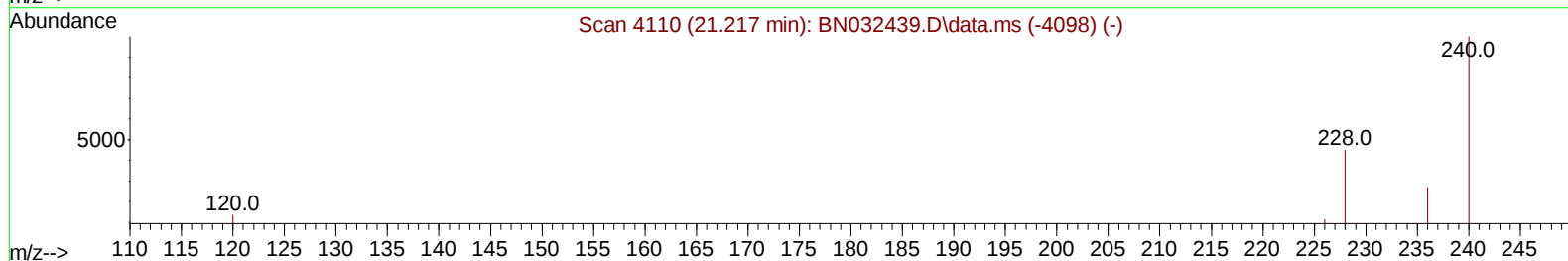
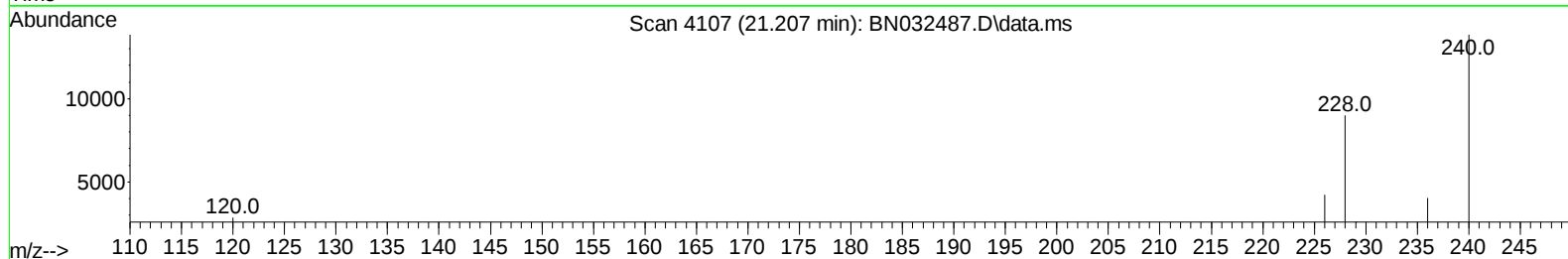
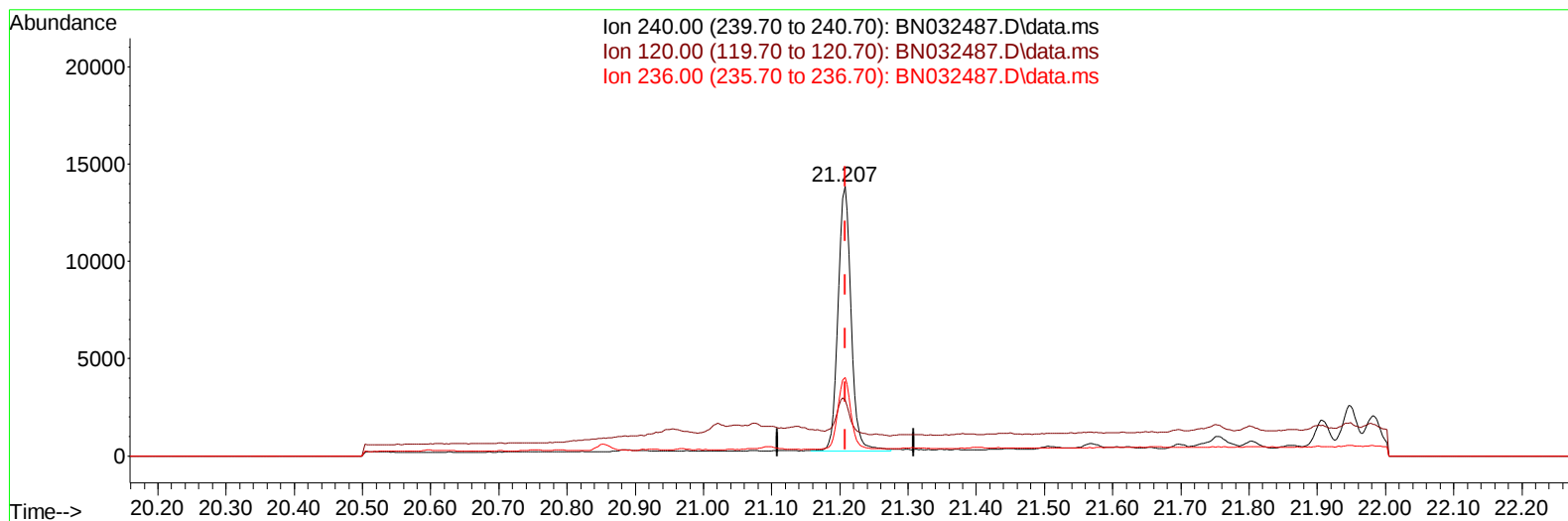
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(17) Chrysene-d12

21.207min (-0.001) 0.40 ng/ul m

response 18155

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	20.54#
236.00	28.40	29.18
0.00	0.00	0.00

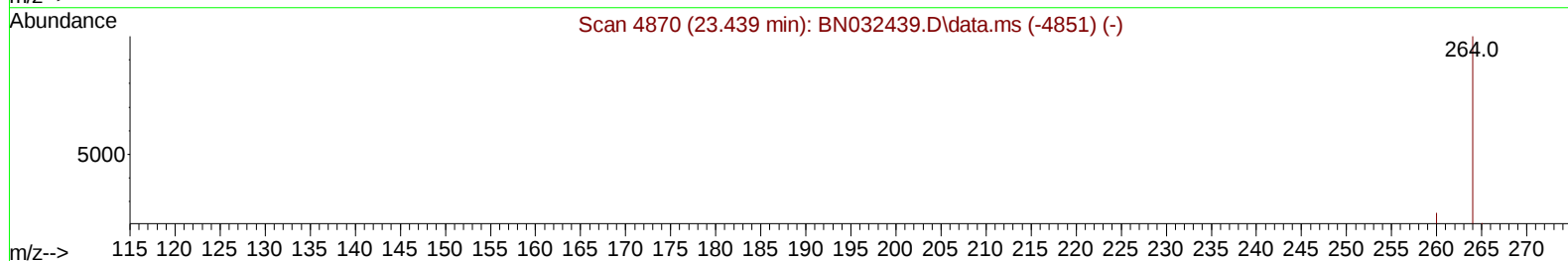
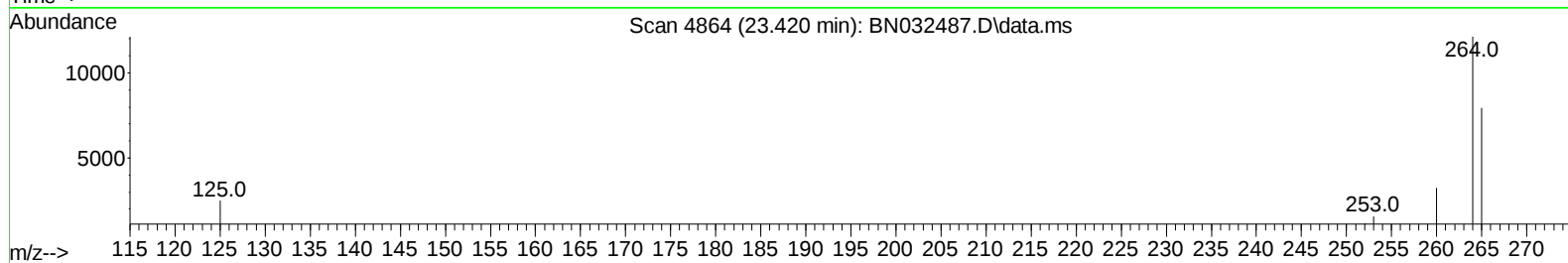
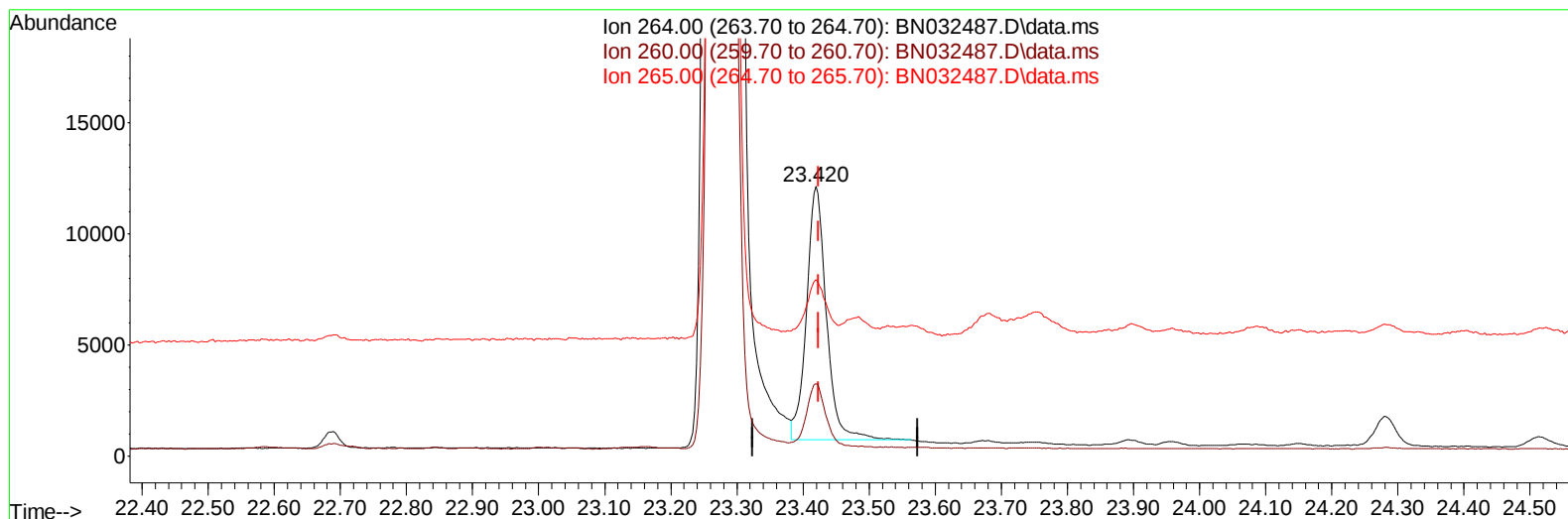
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032487.D
 Acq On : 04 Jul 2024 22:58
 Operator : MA/JU
 Sample : P3065-10
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CE4

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(23) Perylene-d12 (I)

23.420min (-0.004) 0.40 ng/u1

response 23898

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.75
265.00	67.20	65.41
0.00	0.00	0.00

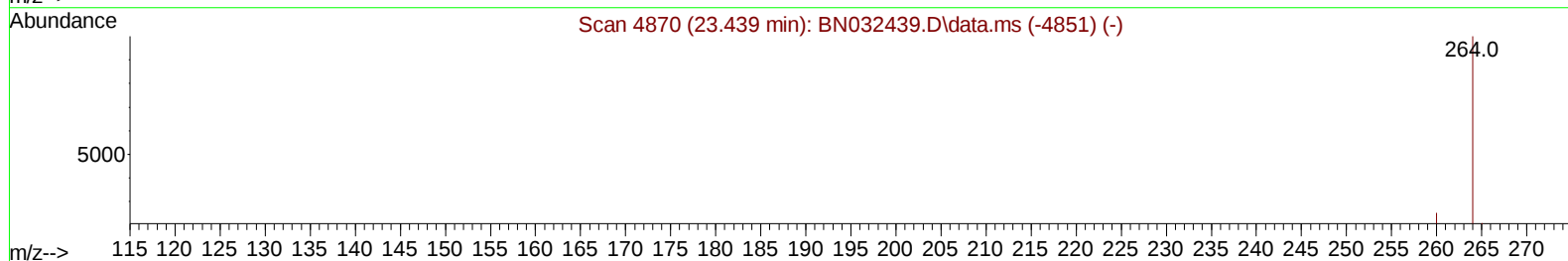
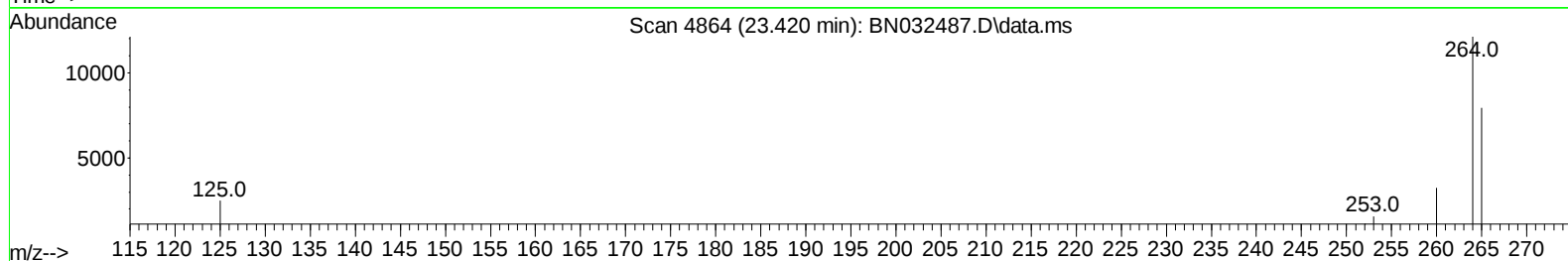
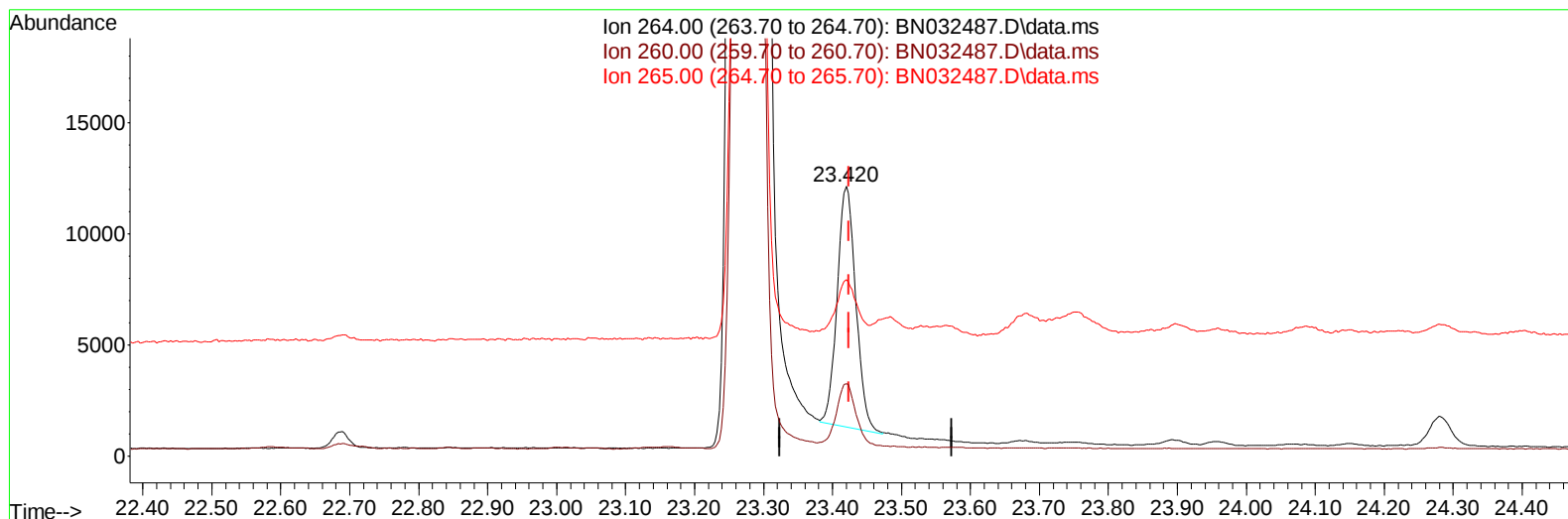
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032487.D
 Acq On : 04 Jul 2024 22:58
 Operator : MA/JU
 Sample : P3065-10
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4CE4

Manual IntegrationsAPPROVED

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 Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(23) Perylene-d12 (I)

23.420min (-0.004) 0.40 ng/ul m

response 20347

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.75
265.00	67.20	65.41
0.00	0.00	0.00

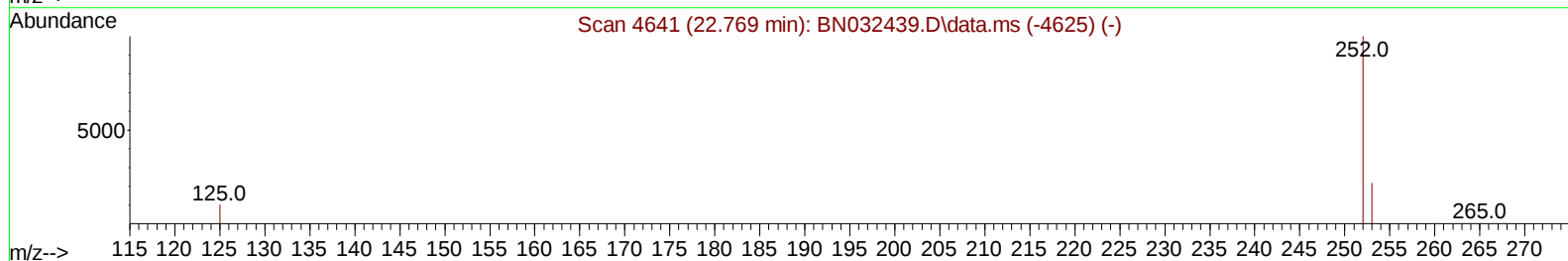
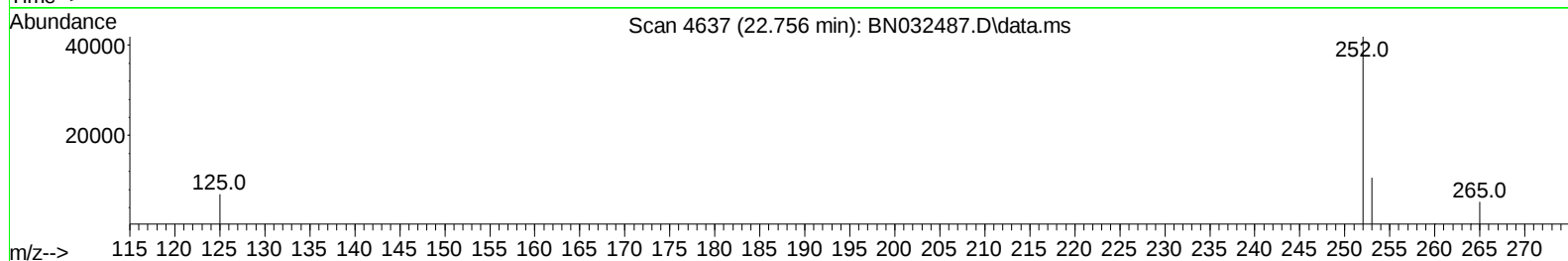
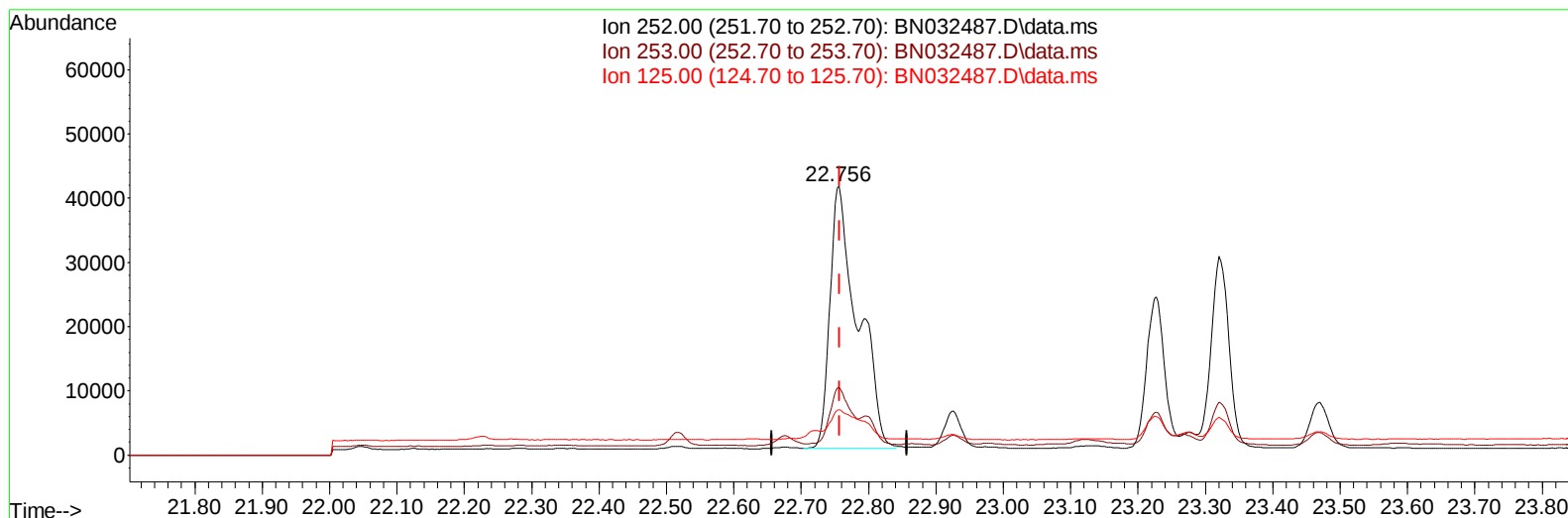
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
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Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

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TIC: BN032487.D\data.ms

(24) Benzo(b)fluoranthene

22.756min (-0.001) 1.32 ng/u1

response 116825

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	25.22
125.00	16.00	16.77
0.00	0.00	0.00

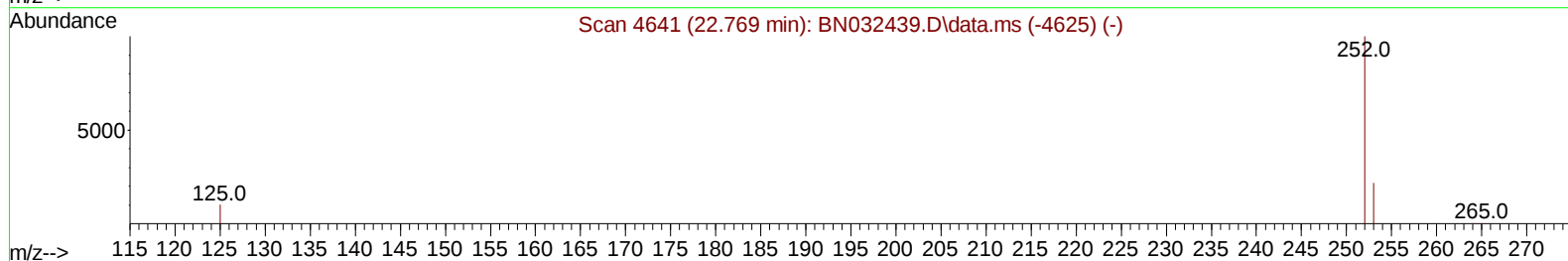
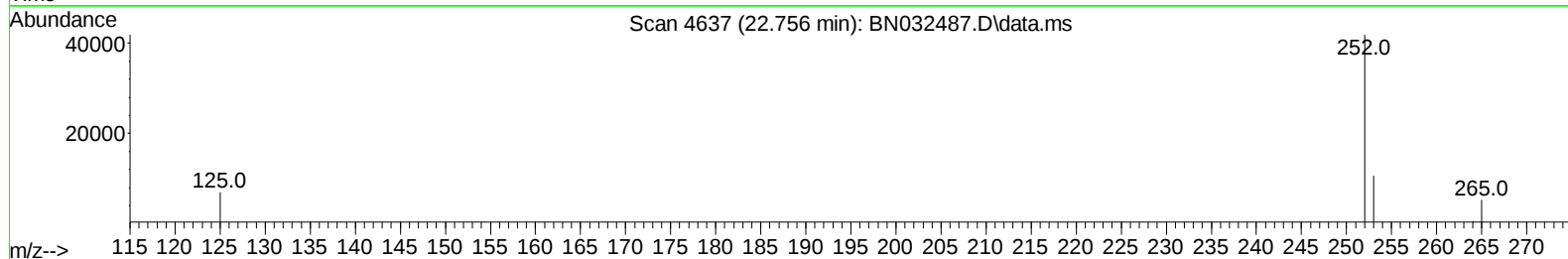
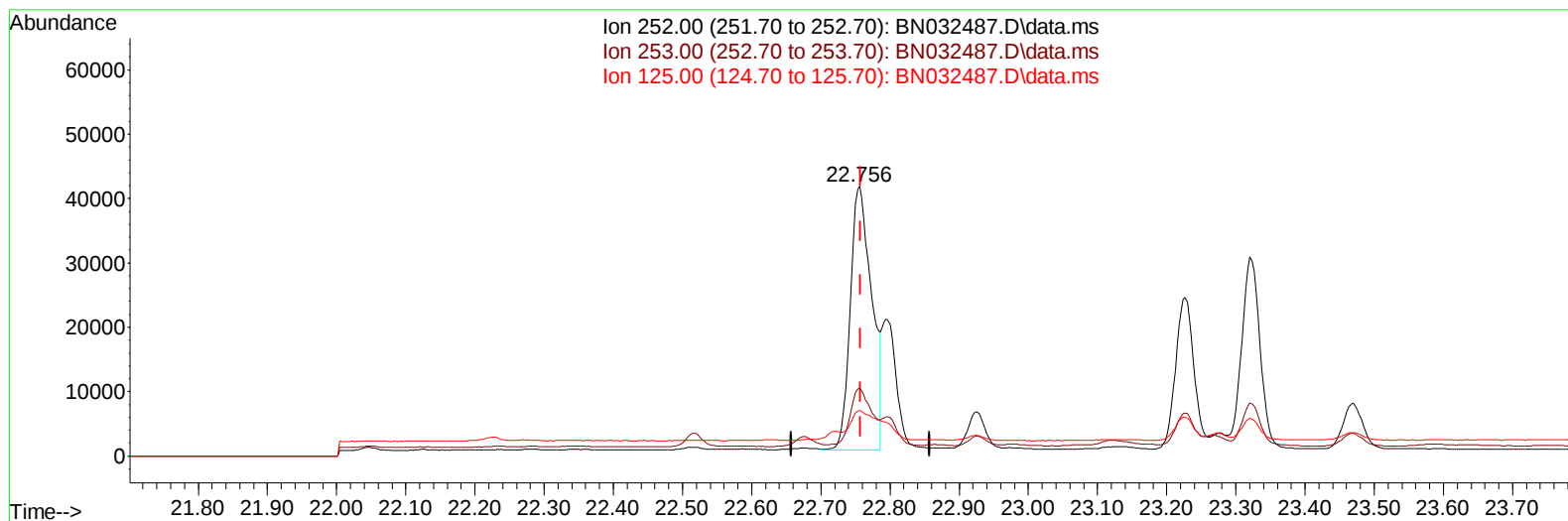
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/05/2024
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TIC: BN032487.D\data.ms

(24) Benzo(b)fluoranthene

22.756min (-0.001) 1.00 ng/ul m

response 88139

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	25.22
125.00	16.00	16.77
0.00	0.00	0.00

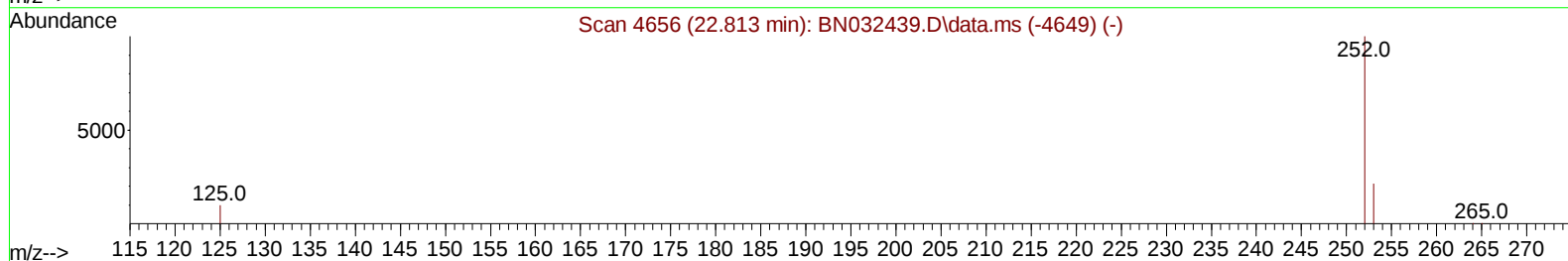
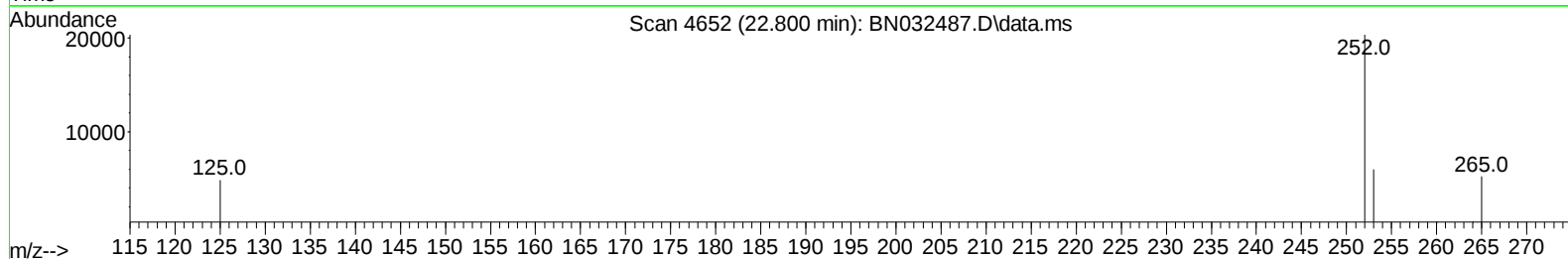
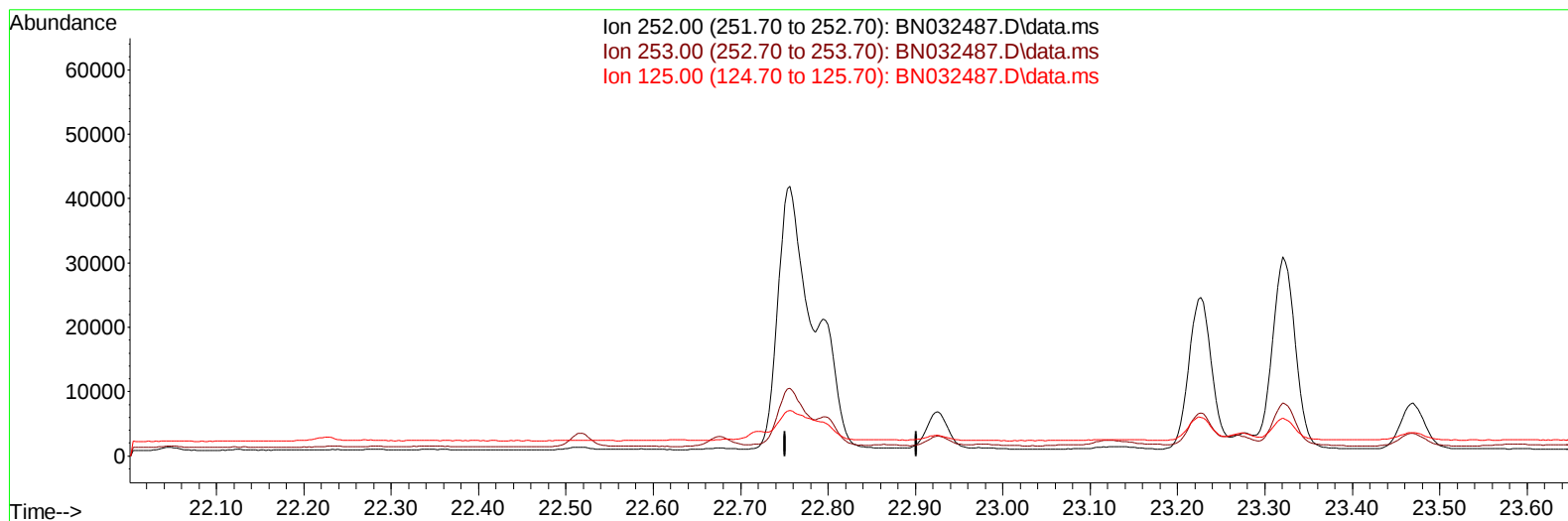
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(25) Benzo(k)fluoranthene

22.801min (-22.801) 0.00 ng/u1

response 0

Ion	Exp%	Act%
252.00	100.00	0.00
253.00	25.40	0.00#
125.00	16.00	0.00#
0.00	0.00	0.00

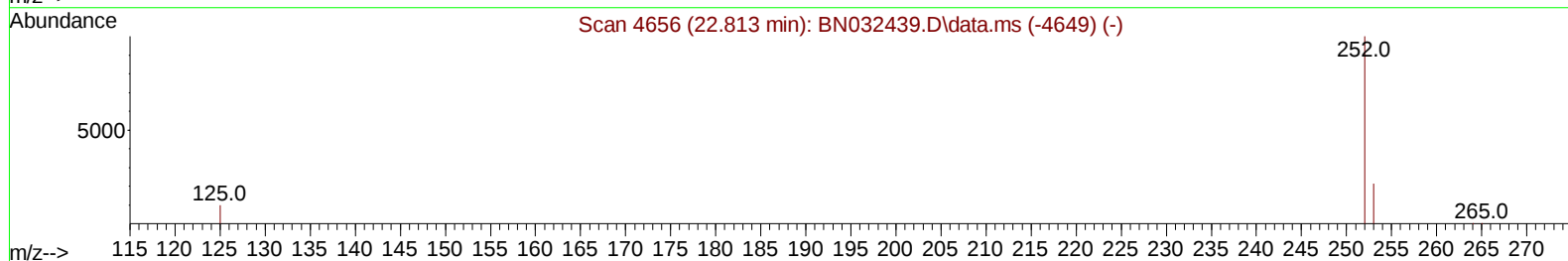
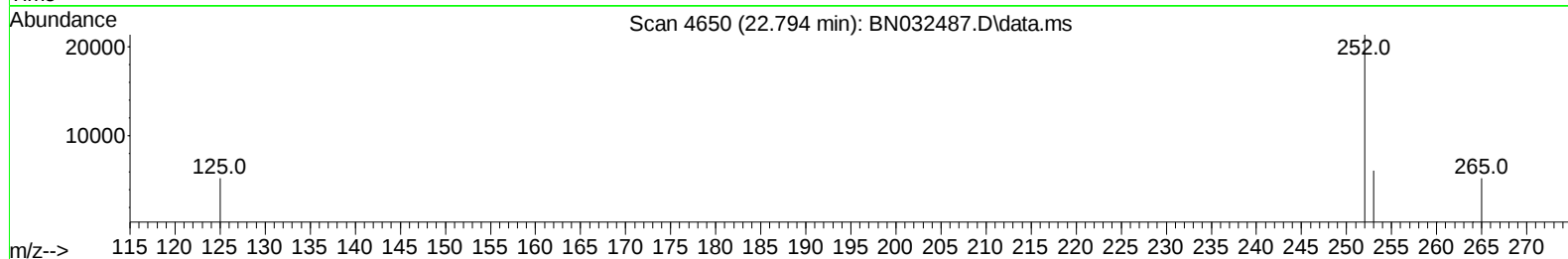
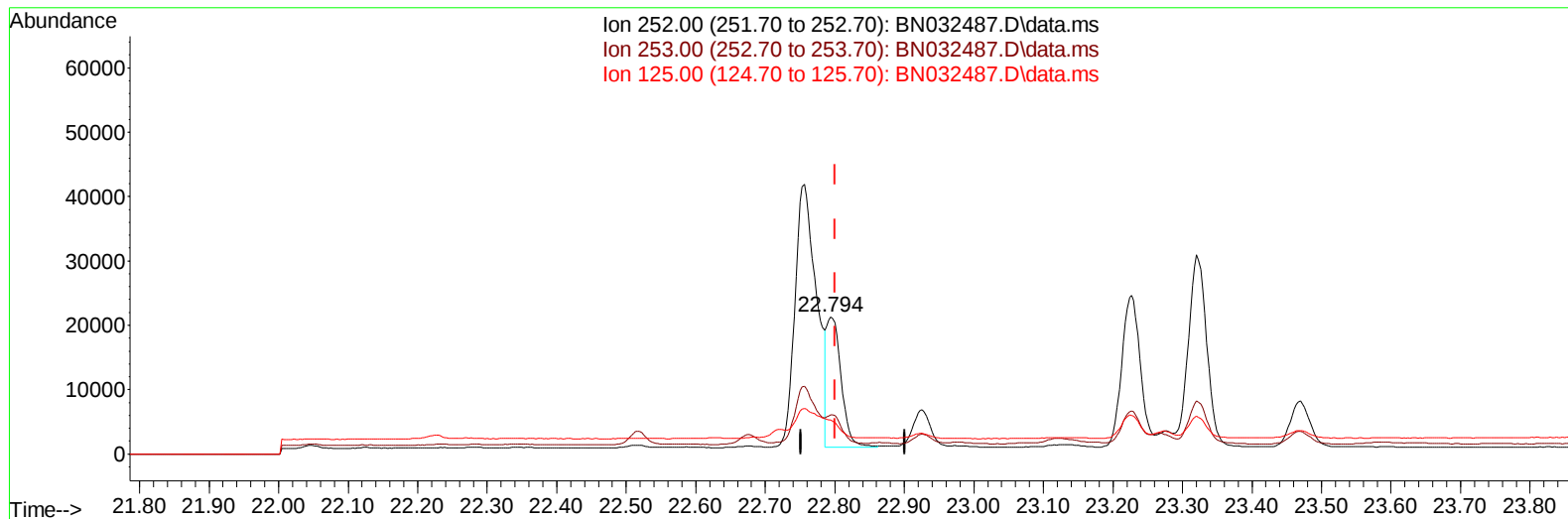
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032487.D
Acq On : 04 Jul 2024 22:58
Operator : MA/JU
Sample : P3065-10
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CE4

Manual IntegrationsAPPROVED

Quant Time: Jul 05 01:04:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN062724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 03 03:26:42 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032487.D\data.ms

(25) Benzo(k)fluoranthene

22.794min (-0.007) 0.34 ng/ul m

response 29620

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	28.69
125.00	16.00	24.70#
0.00	0.00	0.00

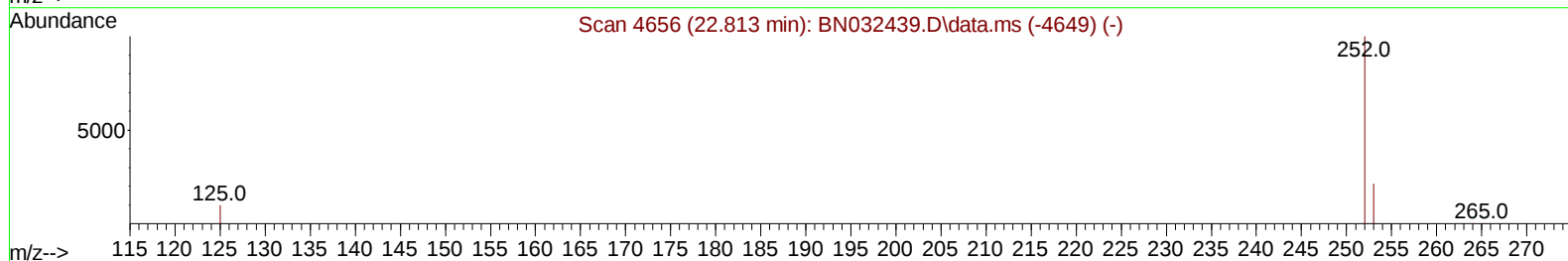
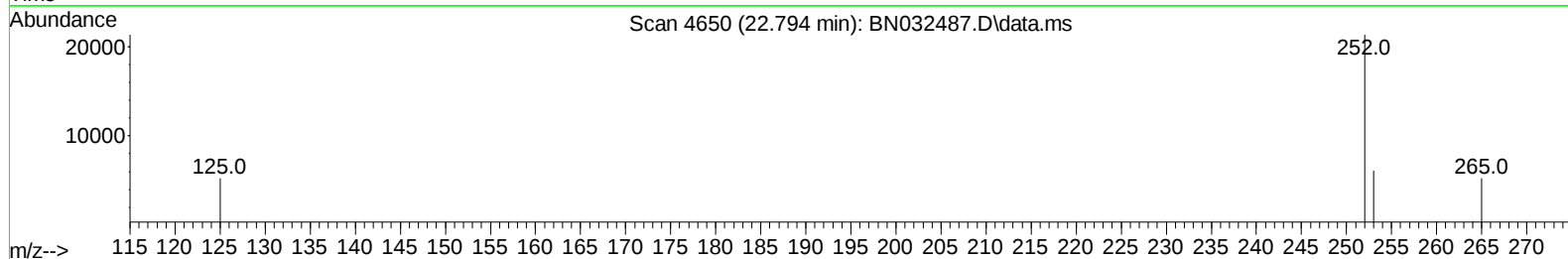
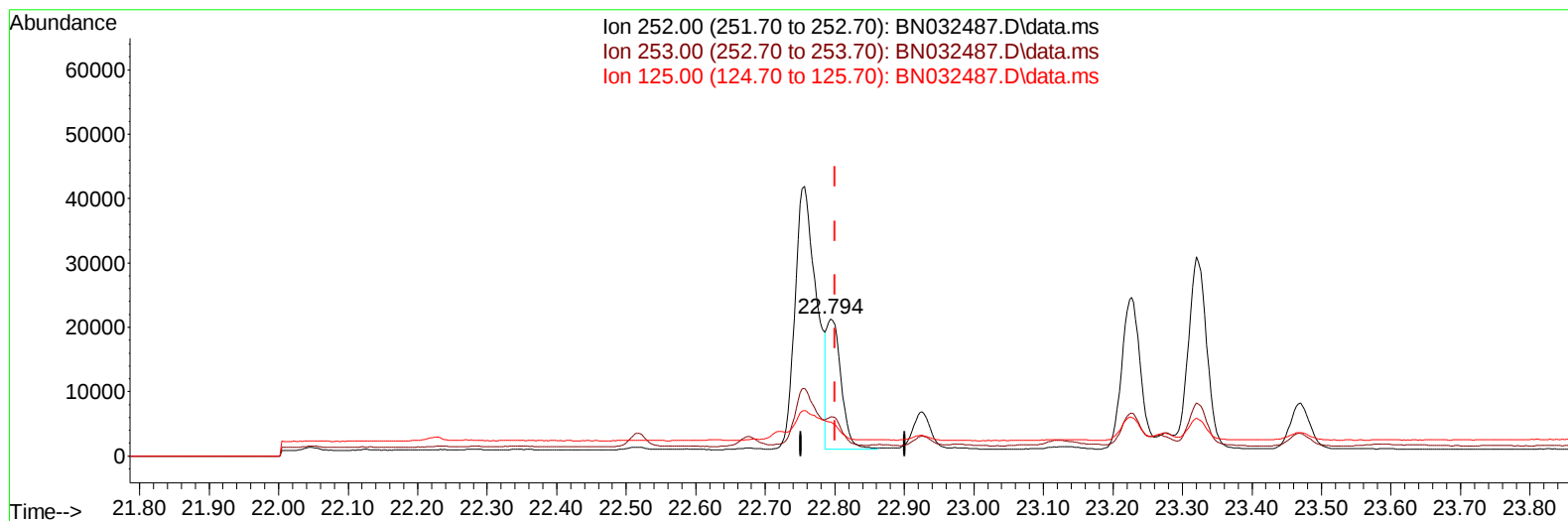
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.595	152	6817	0.400	ng/ul	0.00
4) Naphthalene-d8	10.370	136	19632	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.243	164	10605	0.400	ng/ul	-0.01
13) Phenanthrene-d10	17.002	188	19928m	0.400	ng/ul	0.00
17) Chrysene-d12	21.207	240	18155m	0.400	ng/ul	0.00
23) Perylene-d12	23.420	264	20347m	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.143	96	29205	3.854	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.970	152	6529	0.222	ng/ul	0.00
18) Fluoranthene-d10	19.039	212	12381	0.227	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.419	128	1703	0.033	ng/ul#	80
10) Acenaphthylene	13.965	152	4526	0.103	ng/ul#	93
11) Acenaphthene	14.307	153	2098	0.061	ng/ul	98
12) Fluorene	15.302	166	2560	0.063	ng/ul#	98
15) Phenanthrene	17.040	178	48292m	0.884	ng/ul	
16) Anthracene	17.133	178	9647m	0.198	ng/ul	
19) Fluoranthene	19.067	202	110821	1.603	ng/ul	97
20) Pyrene	19.435	202	96085	1.330	ng/ul	99
21) Benzo(a)anthracene	21.190	228	50319	0.768	ng/ul	96
22) Chrysene	21.242	228	58229	0.810	ng/ul	96
24) Benzo(b)fluoranthene	22.756	252	88139m	0.997	ng/ul	
25) Benzo(k)fluoranthene	22.794	252	29620m	0.345	ng/ul	
26) Benzo(a)pyrene	23.320	252	55048	0.895	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.652	276	46342	0.481	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.652	278	10474	0.146	ng/ul#	55
29) Benzo(g,h,i)perylene	26.339	276	45043	0.587	ng/ul	96

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

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