

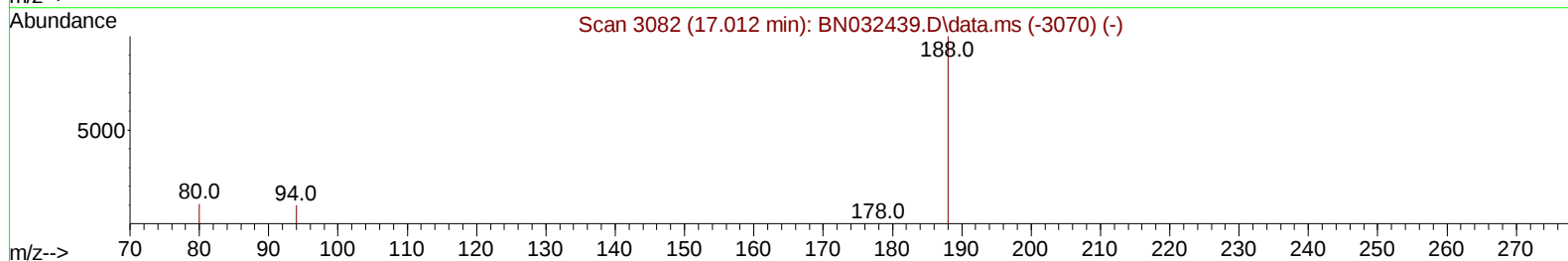
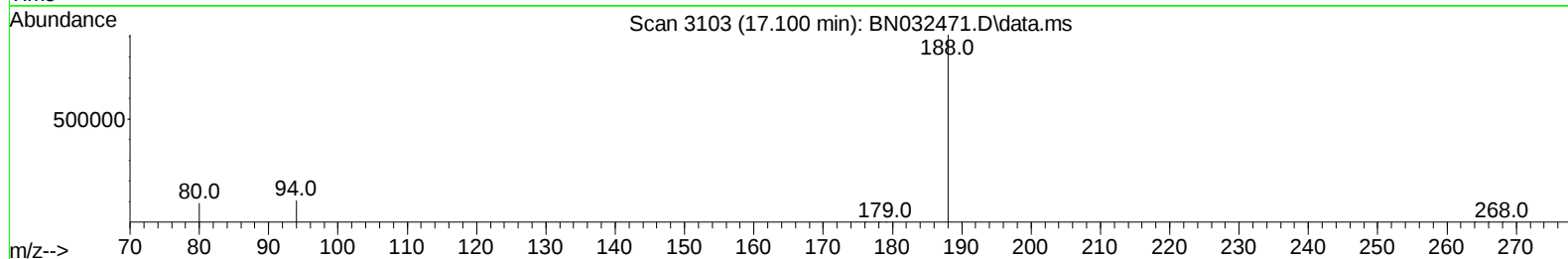
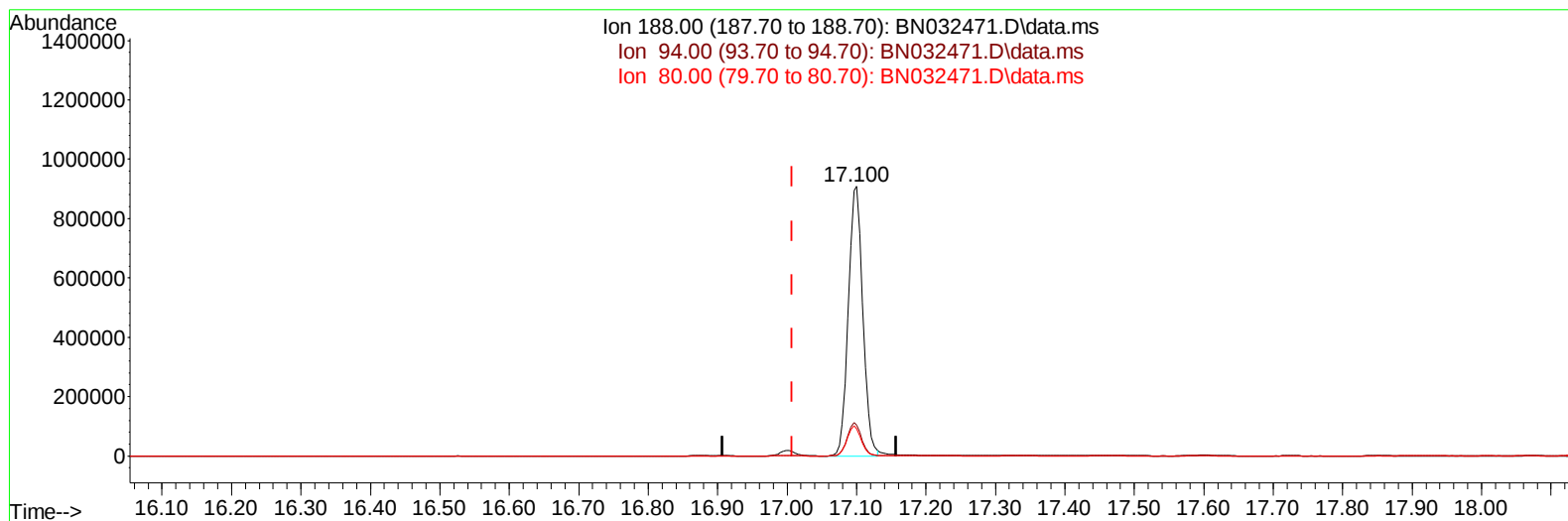
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(13) Phenanthrene-d10 (I)

17.100min (+ 0.093) 0.40 ng/u1

response 1314946

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.56
80.00	10.50	10.09
0.00	0.00	0.00

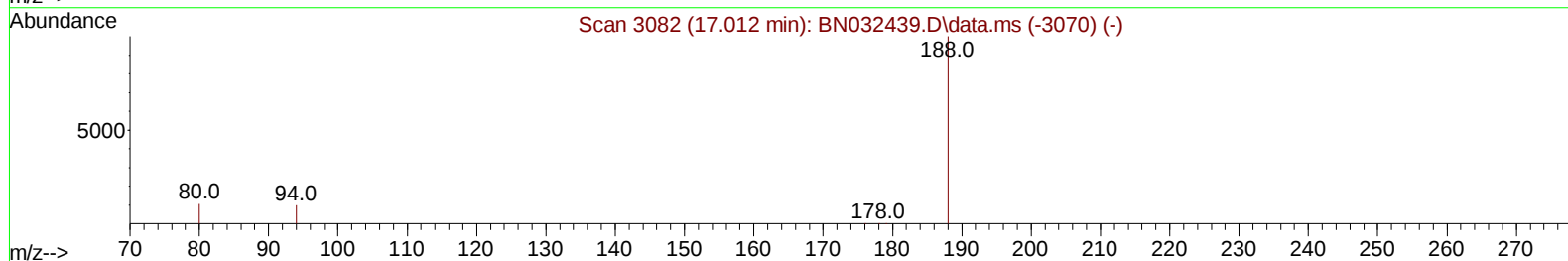
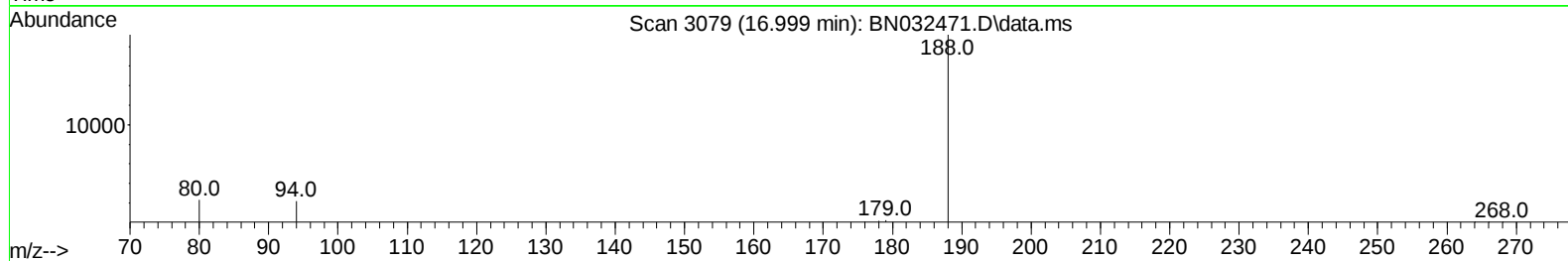
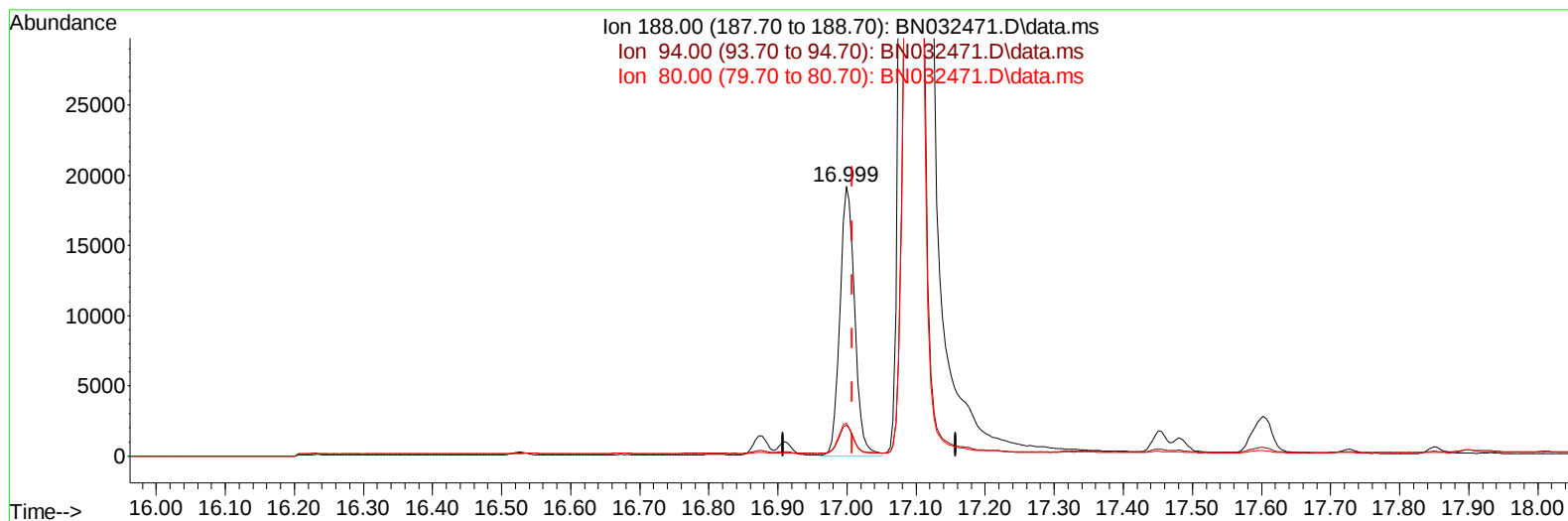
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(13) Phenanthrene-d10 (I)

16.999min (-0.009) 0.40 ng/ul m

response 28542

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.20	11.49
80.00	10.50	12.05
0.00	0.00	0.00

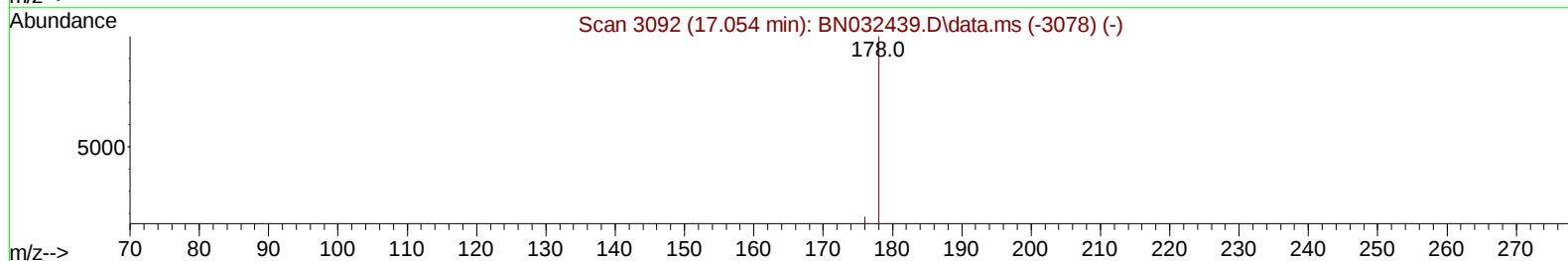
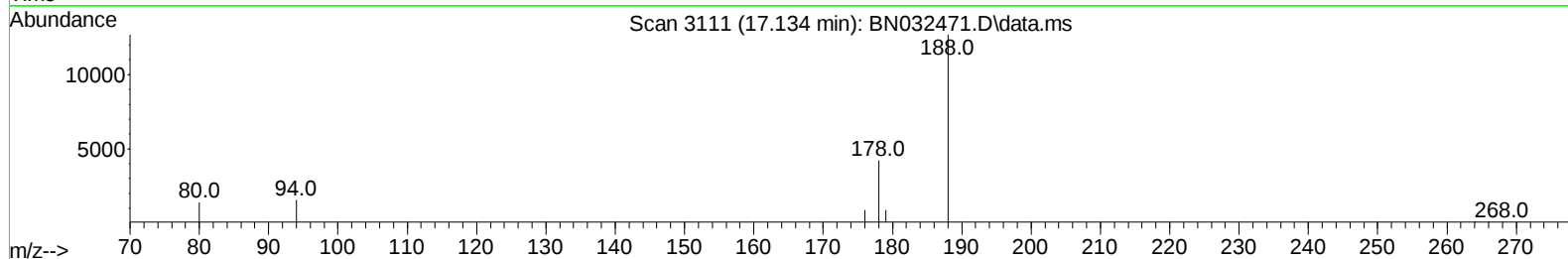
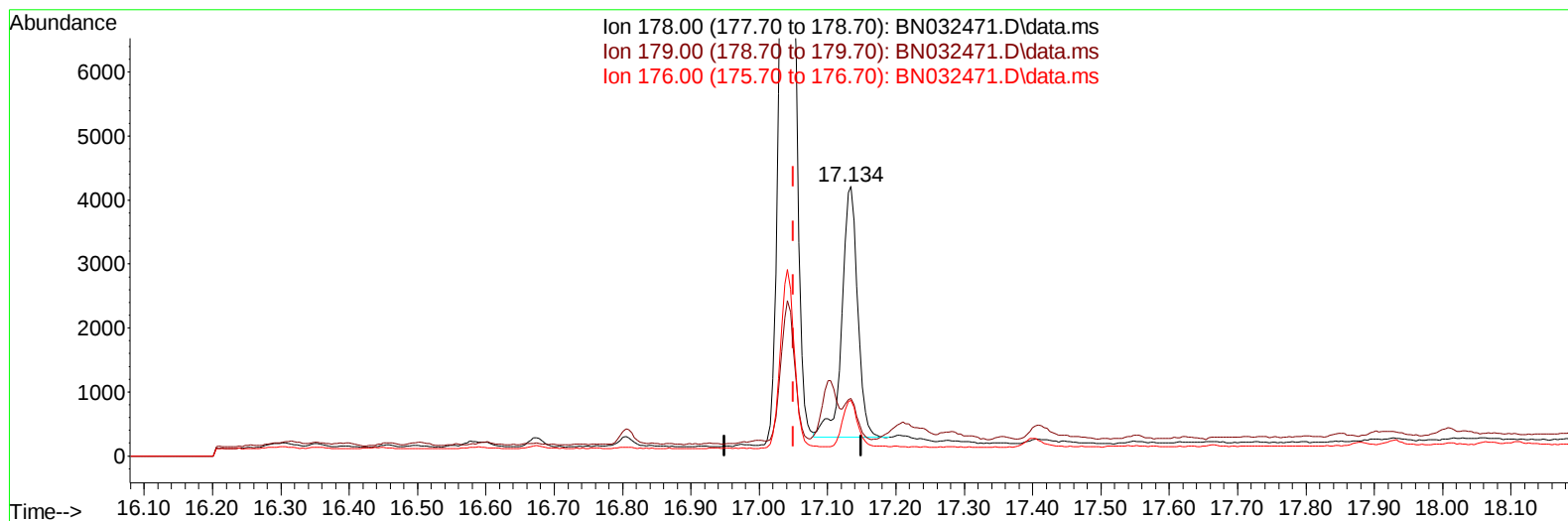
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(15) Phenanthrene

17.134min (+ 0.084) 0.08 ng/u1

response 6245

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	21.25#
176.00	19.50	20.66
0.00	0.00	0.00

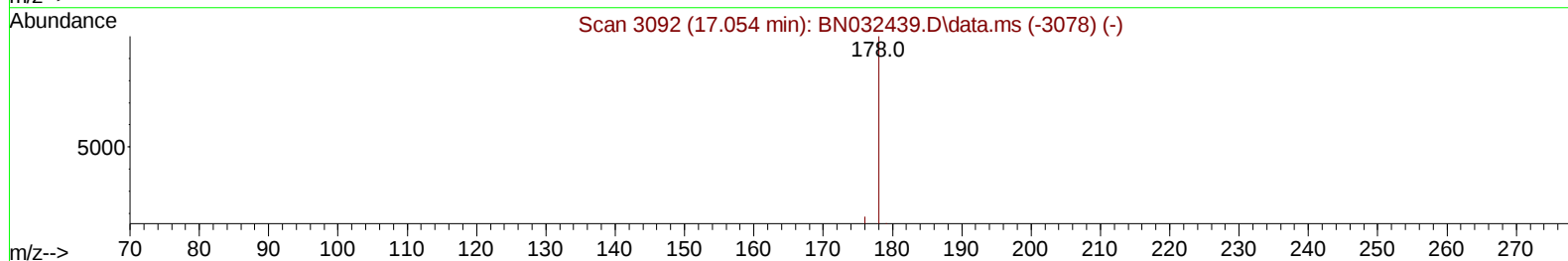
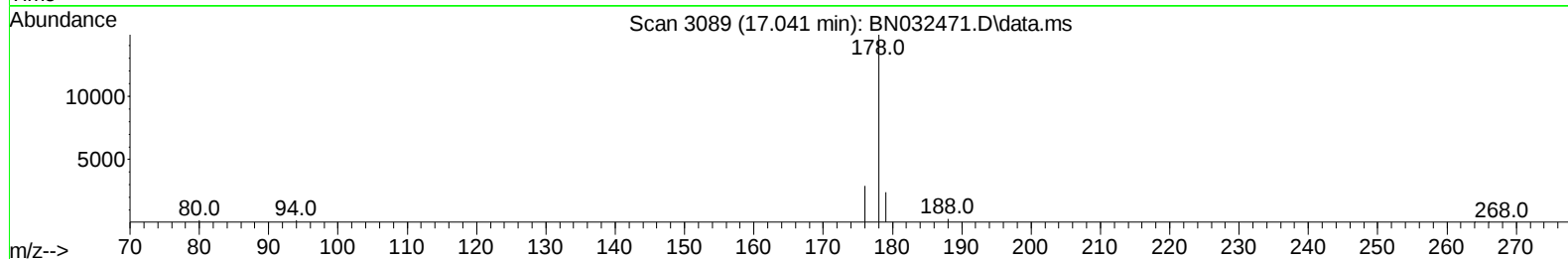
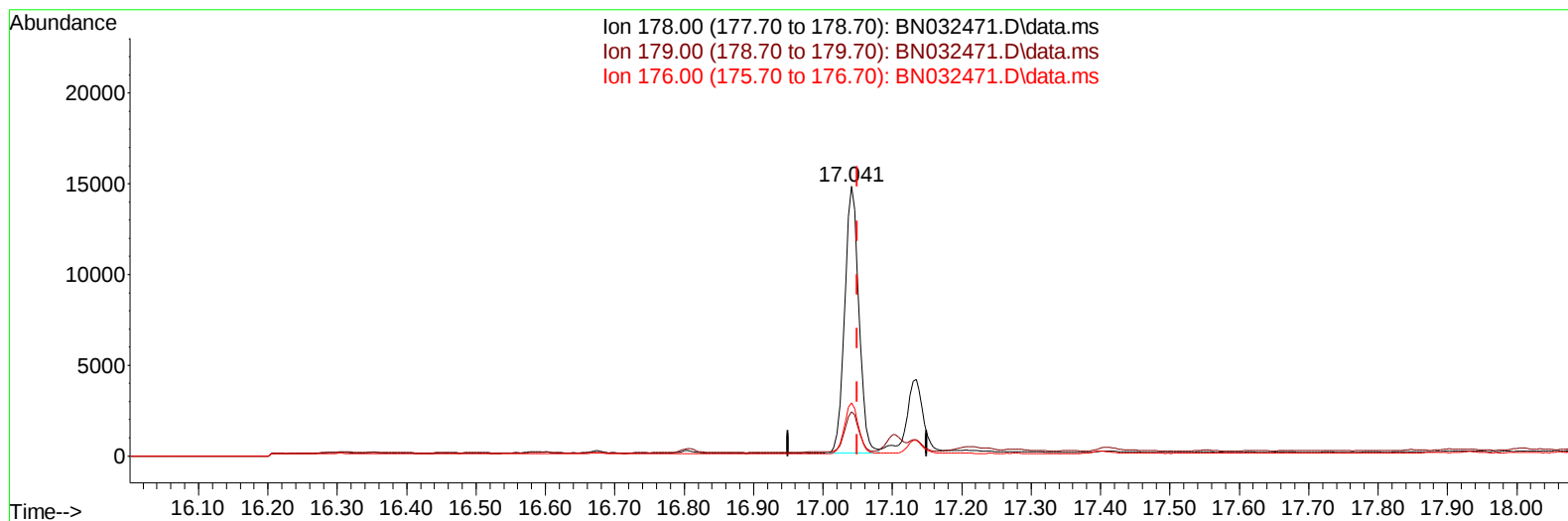
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(15) Phenanthrene

17.041min (-0.009) 0.27 ng/ul m

response 20849

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.70	16.35
176.00	19.50	19.61
0.00	0.00	0.00

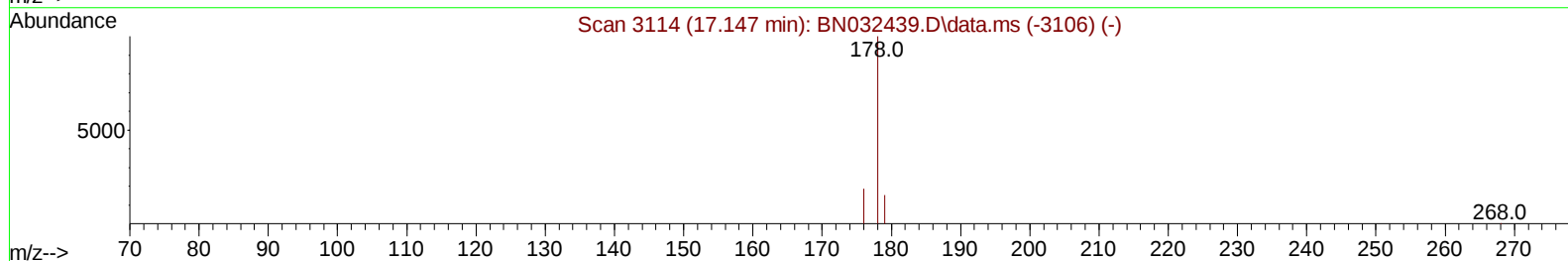
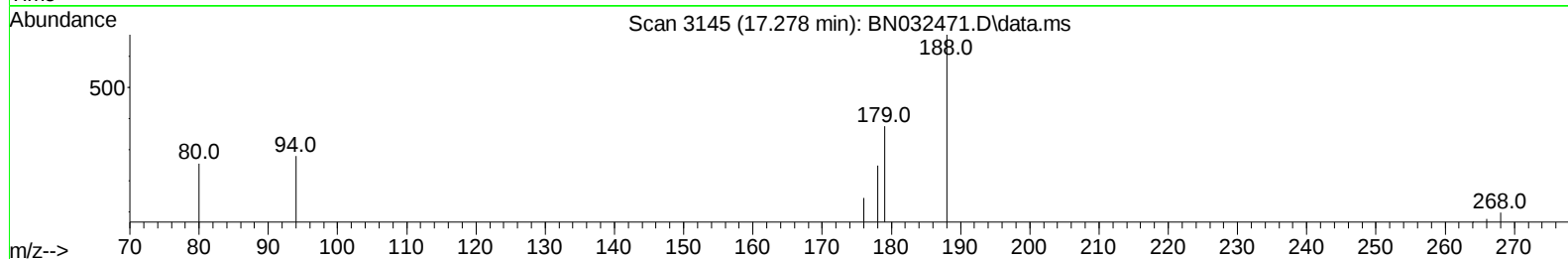
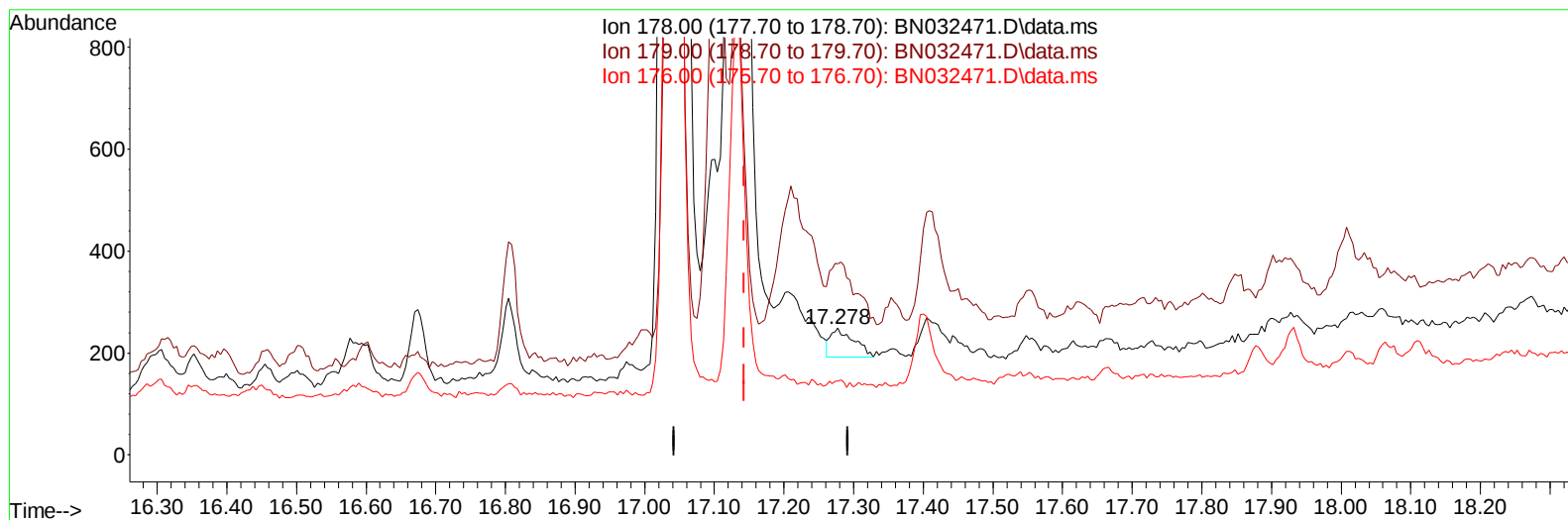
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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
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TIC: BN032471.D\data.ms

(16) Anthracene

17.278min (+ 0.135) 0.00 ng/u1

response 131

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	150.60#
176.00	18.80	58.23#
0.00	0.00	0.00

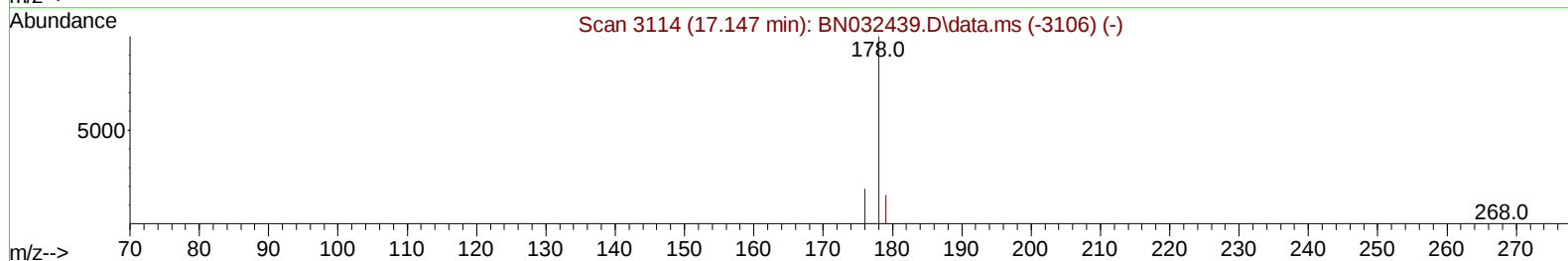
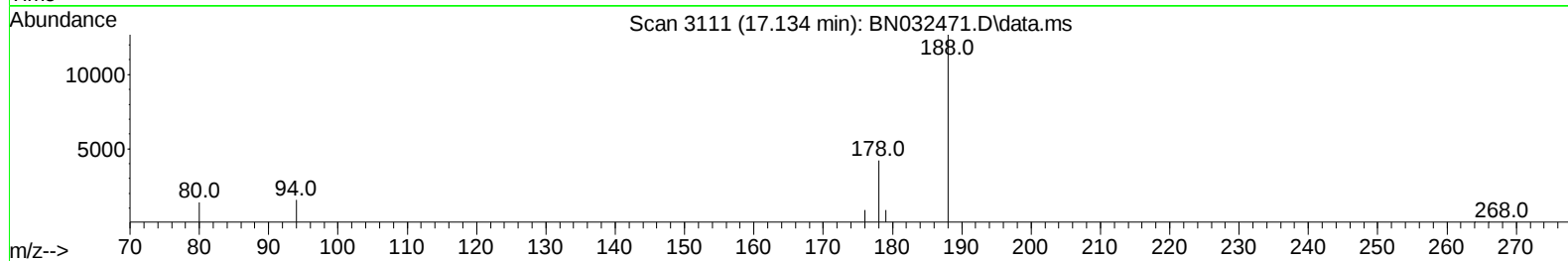
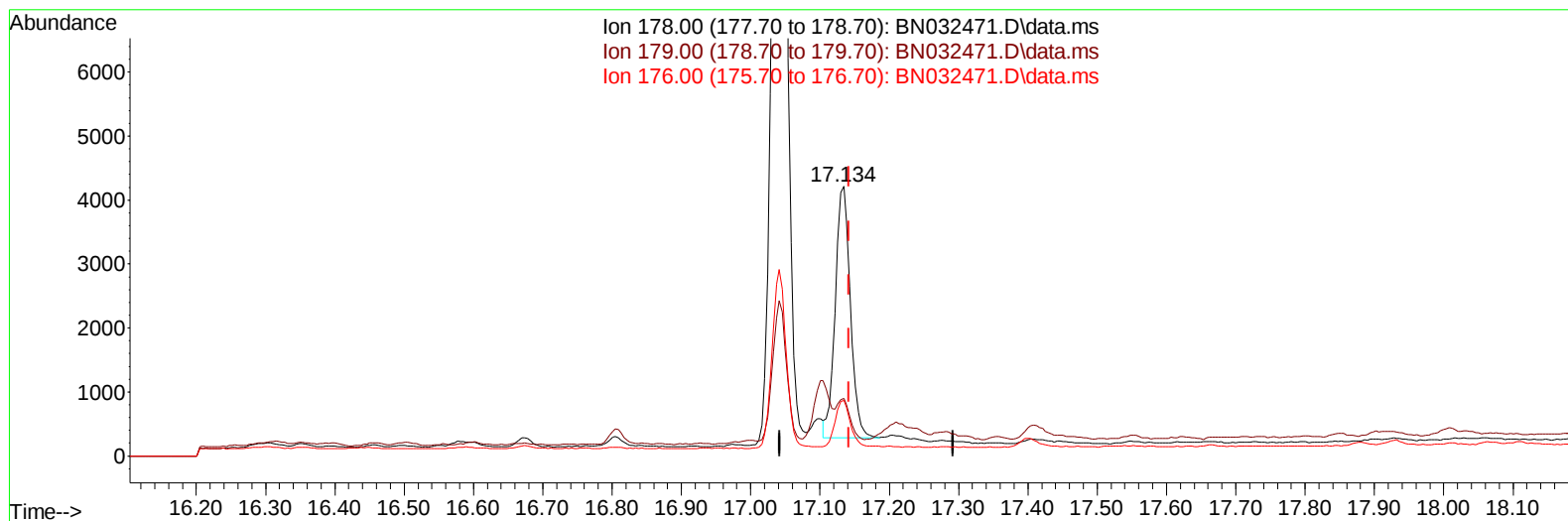
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Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(16) Anthracene

17.134min (-0.009) 0.09 ng/u1 m

response 5965

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	21.25#
176.00	18.80	20.66
0.00	0.00	0.00

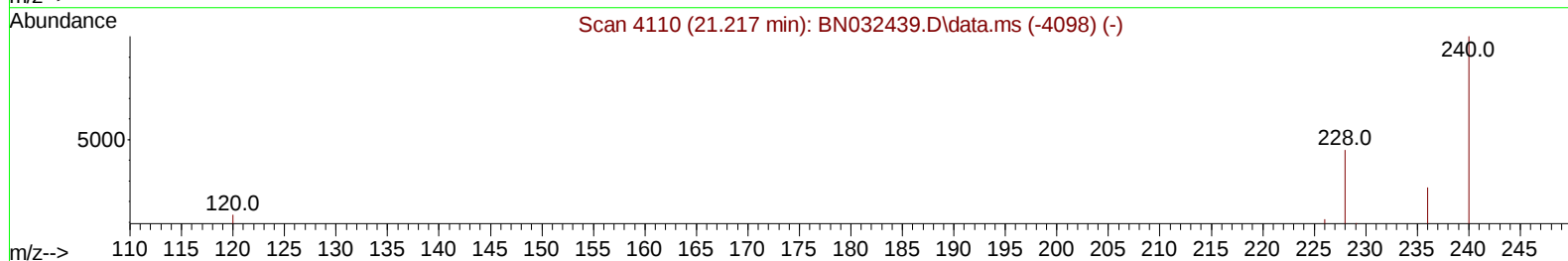
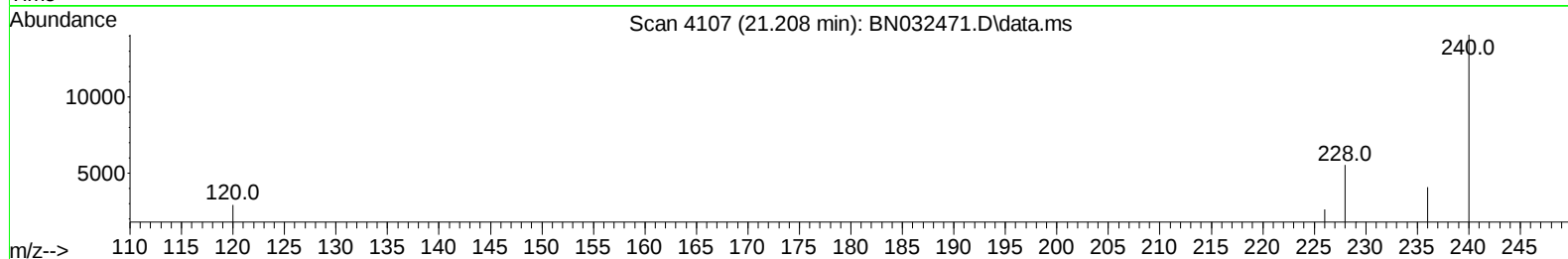
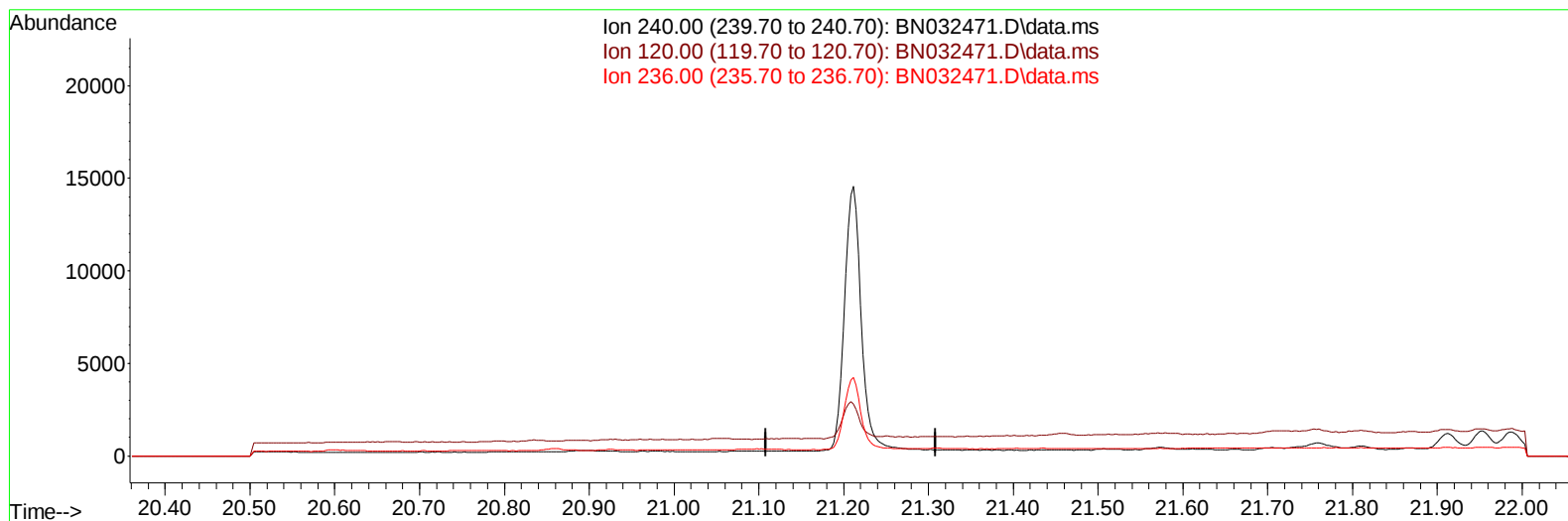
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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
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TIC: BN032471.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

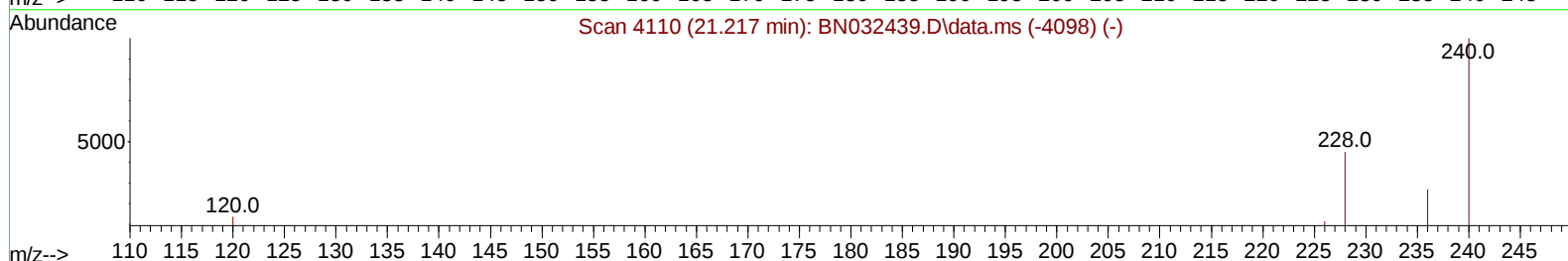
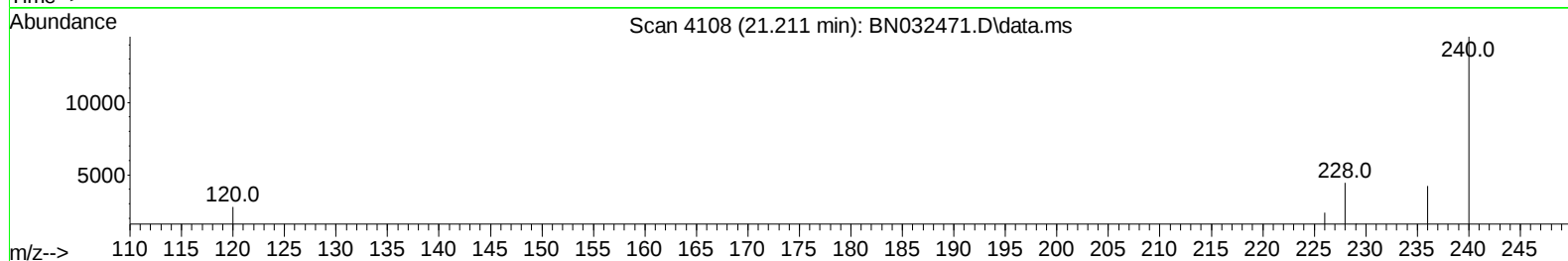
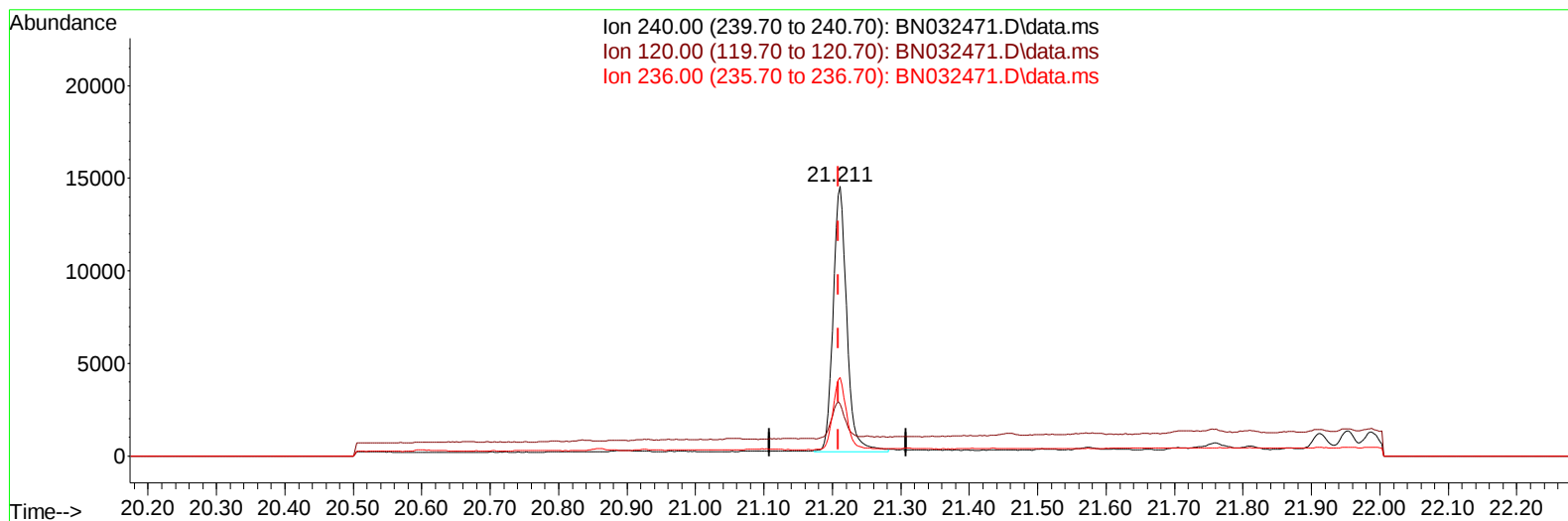
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(17) Chrysene-d12

21.211min (+ 0.003) 0.40 ng/ul m

response 19967

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.80	19.14
236.00	28.40	29.13
0.00	0.00	0.00

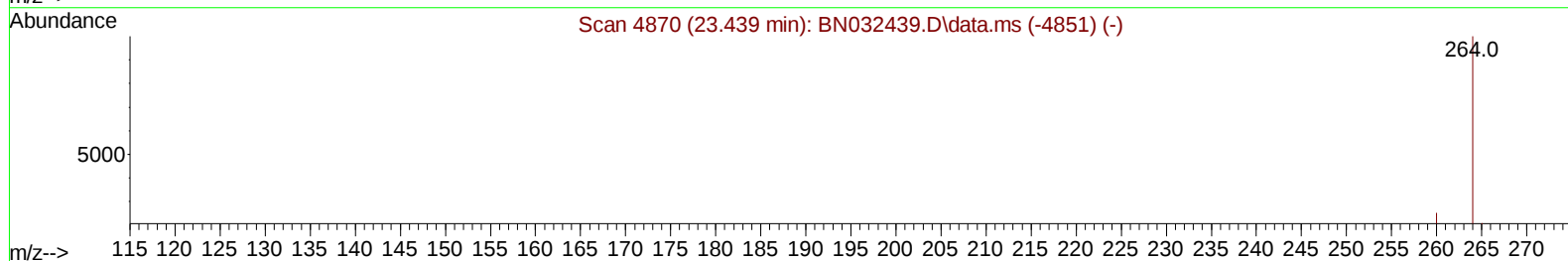
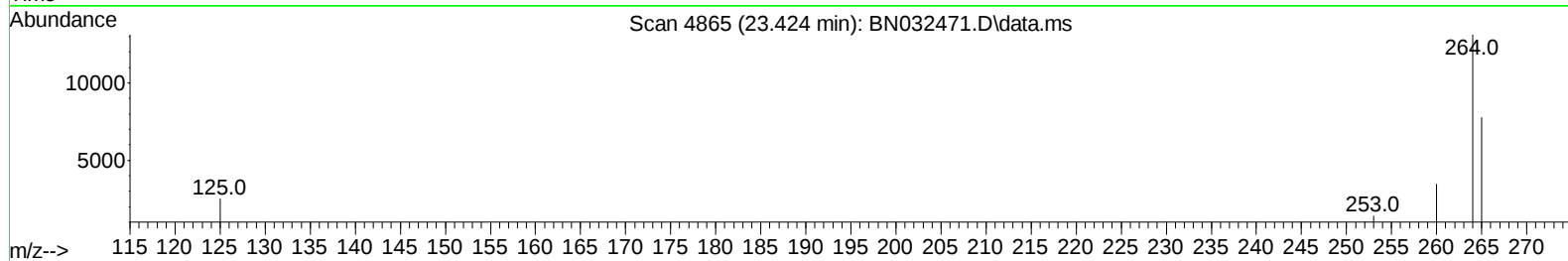
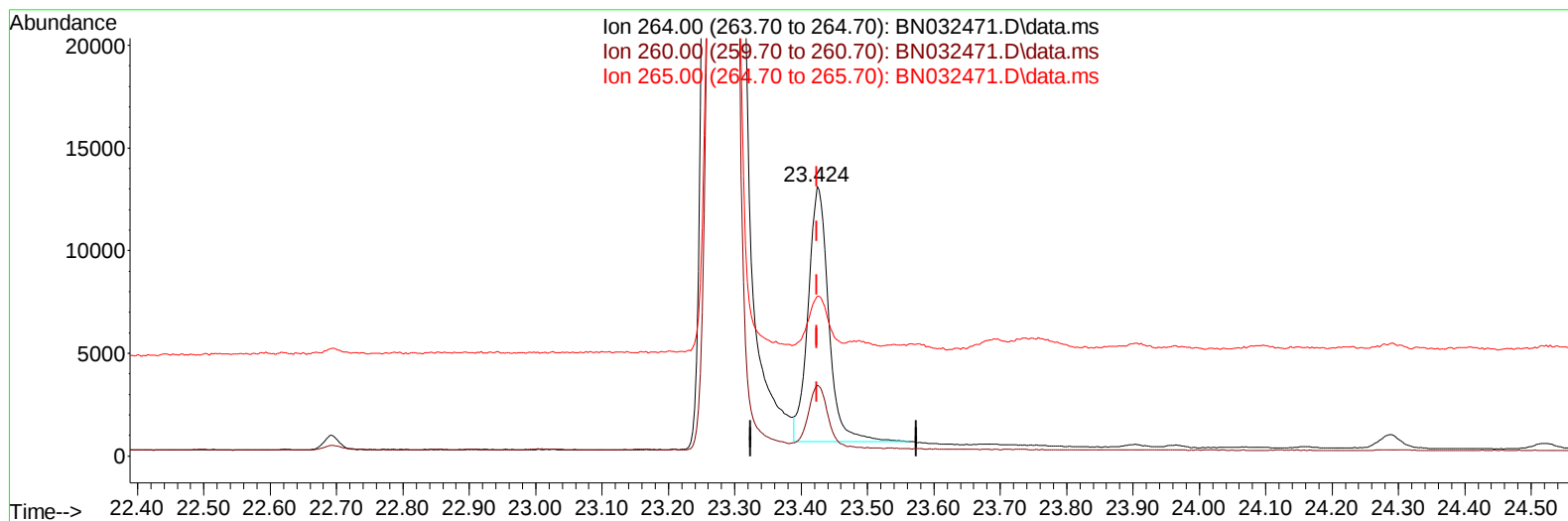
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(23) Perylene-d12 (I)

23.424min (-0.000) 0.40 ng/u1

response 26577

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.29
265.00	67.20	59.40
0.00	0.00	0.00

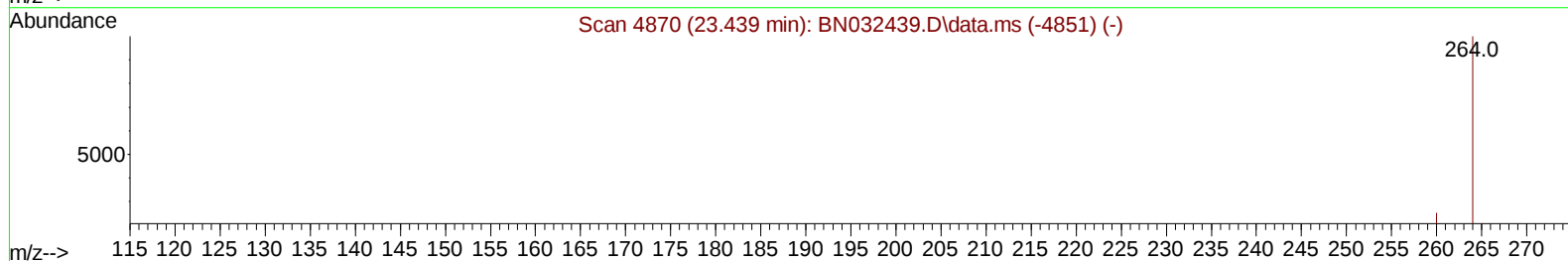
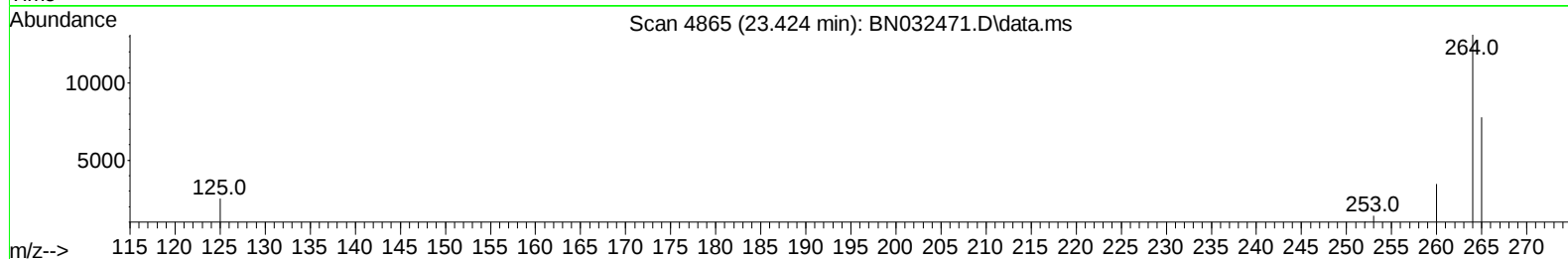
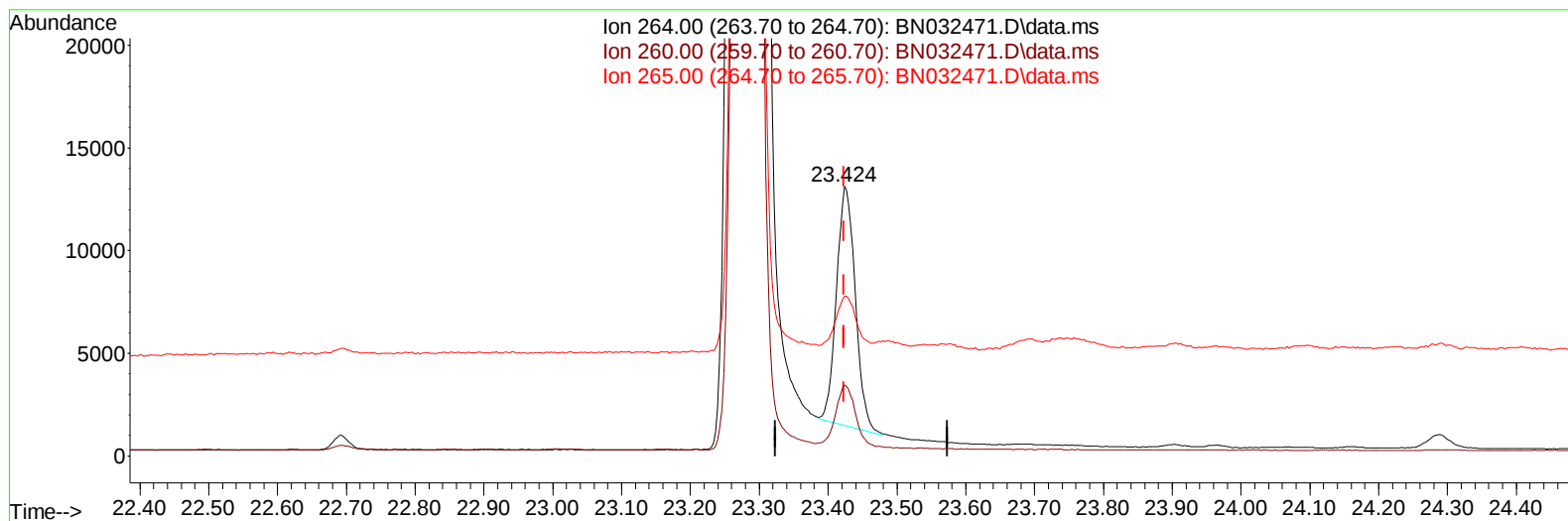
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(23) Perylene-d12 (I)

23.424min (-0.000) 0.40 ng/ul m

response 22107

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	26.00	26.29
265.00	67.20	59.40
0.00	0.00	0.00

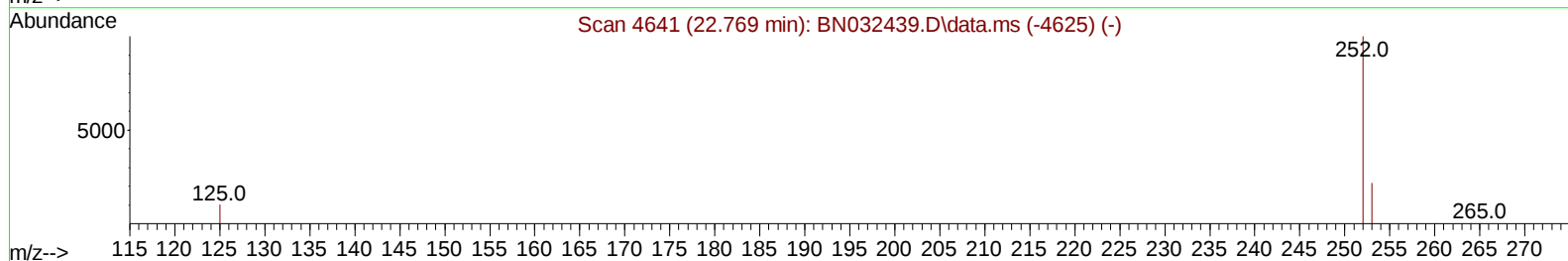
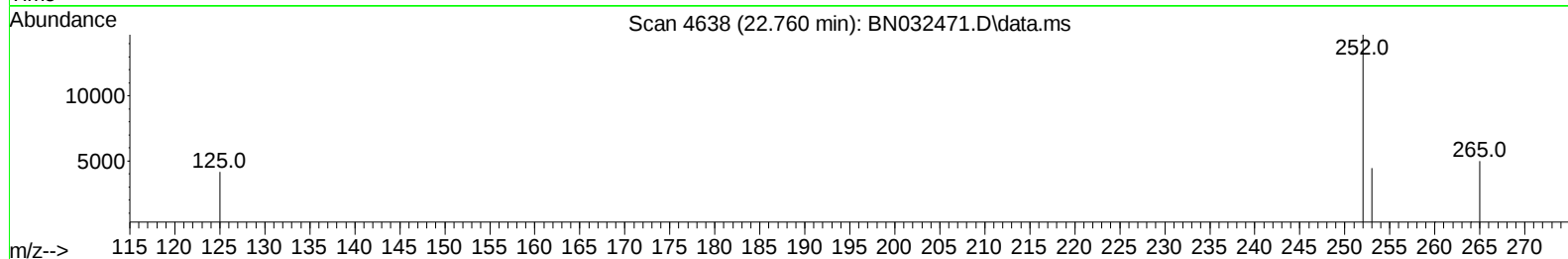
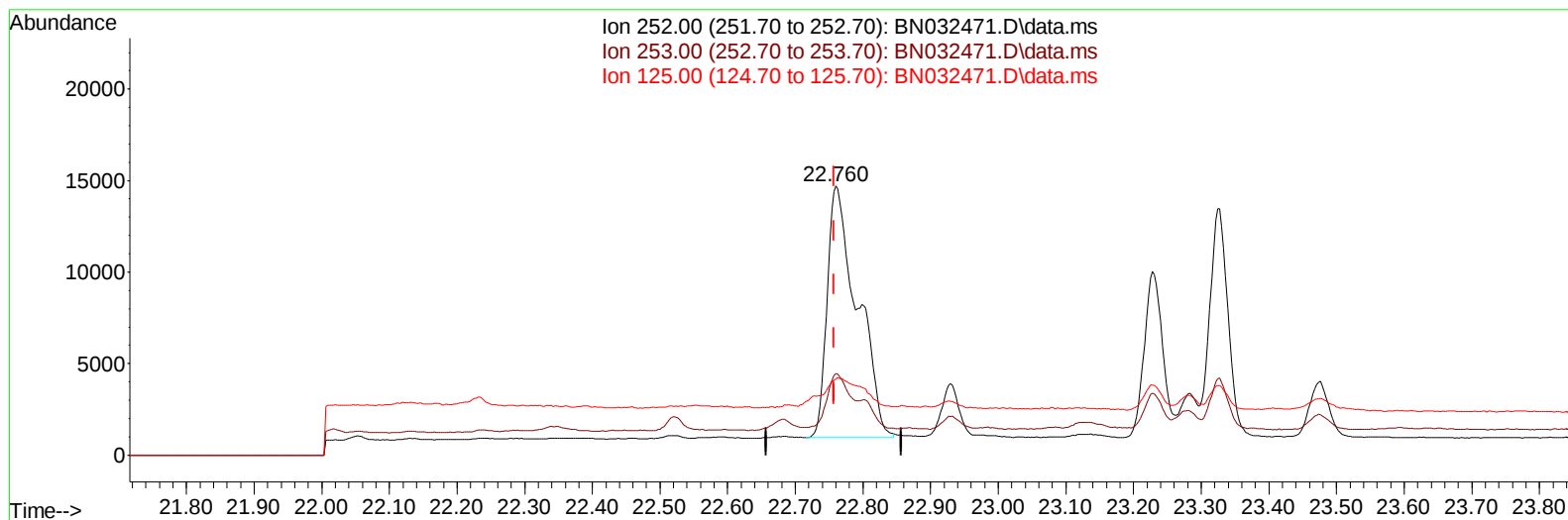
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

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TIC: BN032471.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 0.44 ng/u1

response 42532

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	30.28
125.00	16.00	28.19
0.00	0.00	0.00

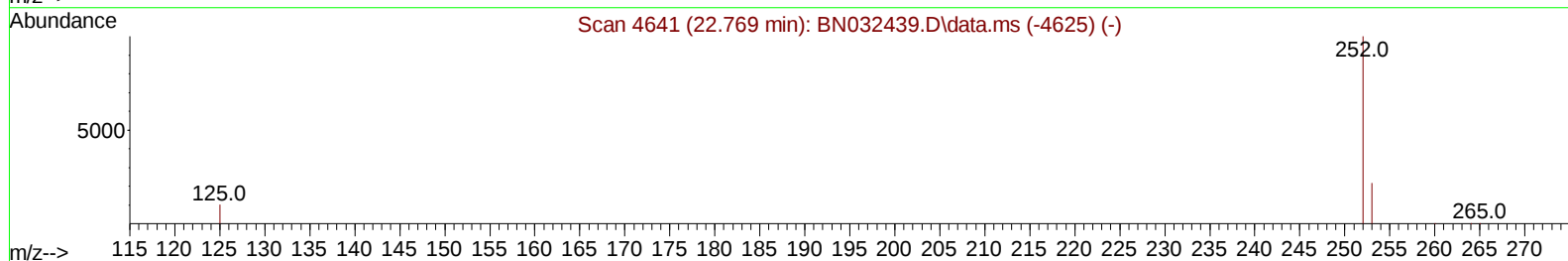
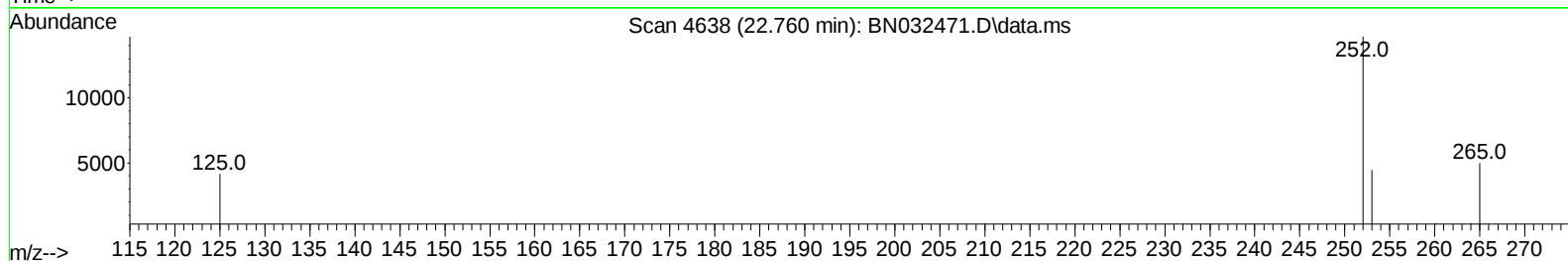
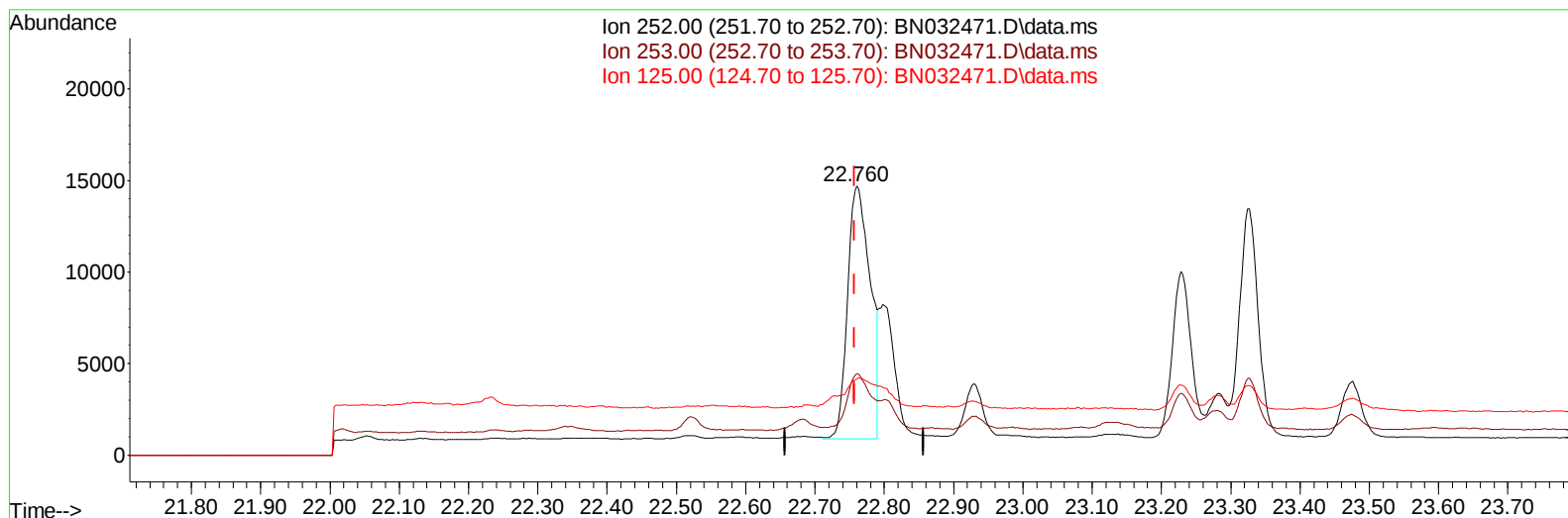
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

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



TIC: BN032471.D\data.ms

(24) Benzo(b)fluoranthene

22.760min (+ 0.003) 0.33 ng/u1 m

response 31222

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.10	30.28
125.00	16.00	28.19
0.00	0.00	0.00

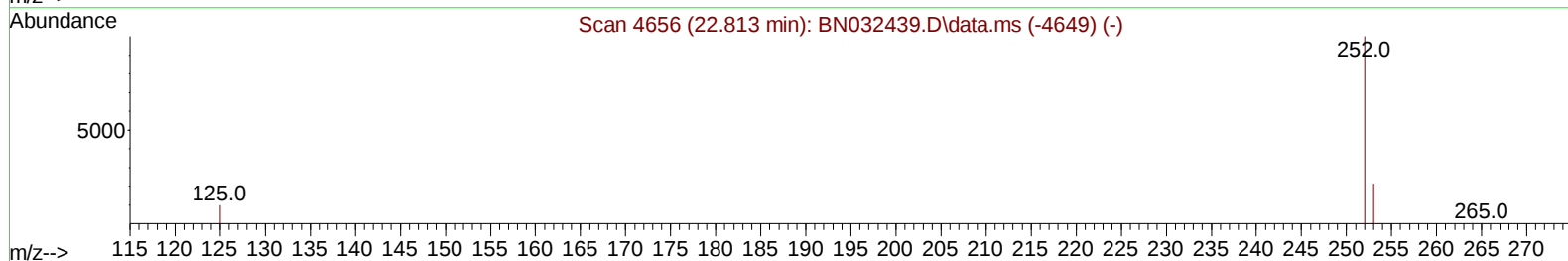
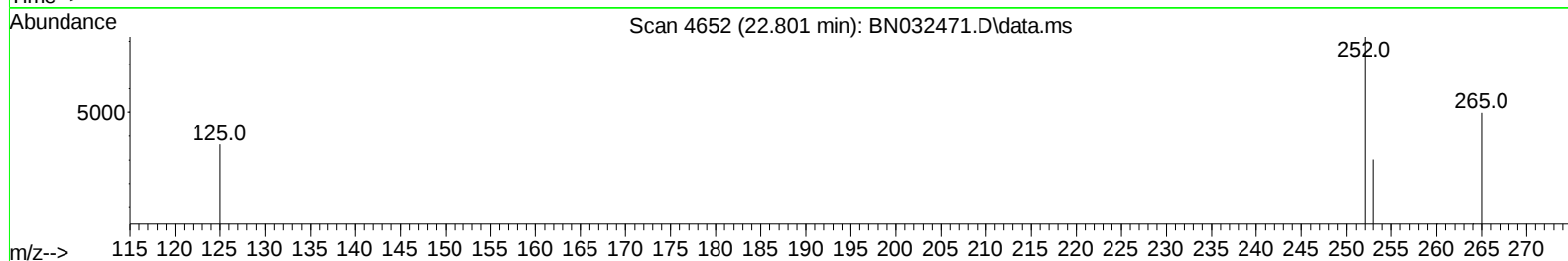
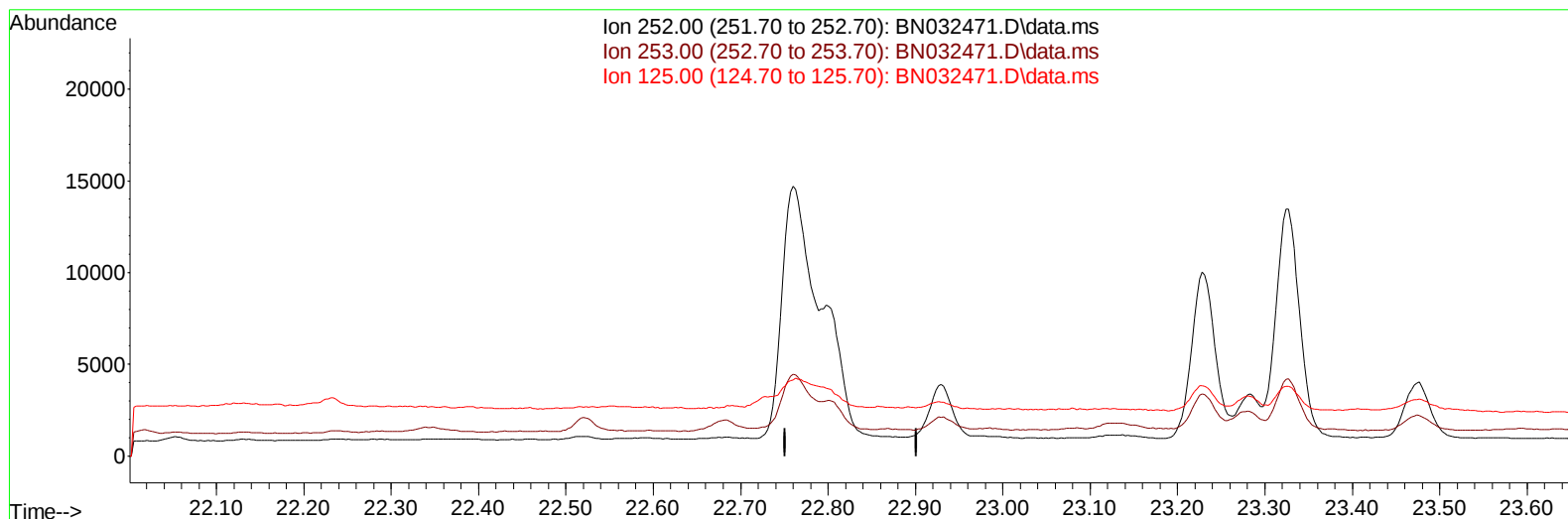
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 2024
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Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



TIC: BN032471.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

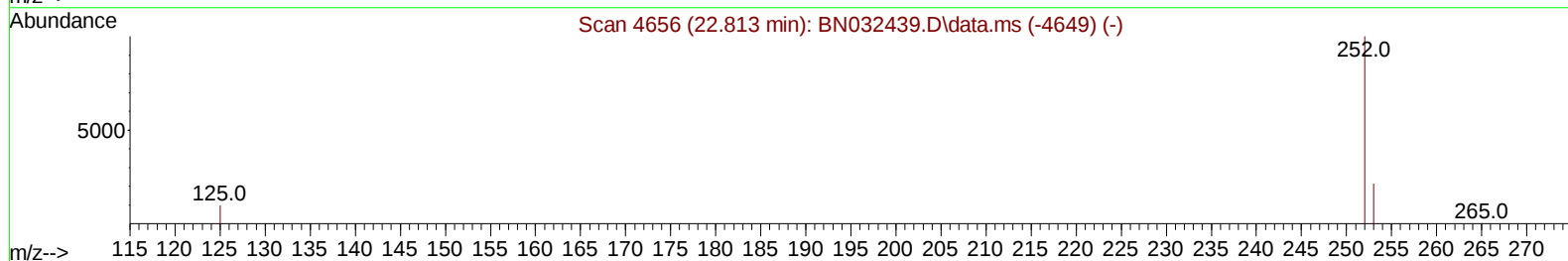
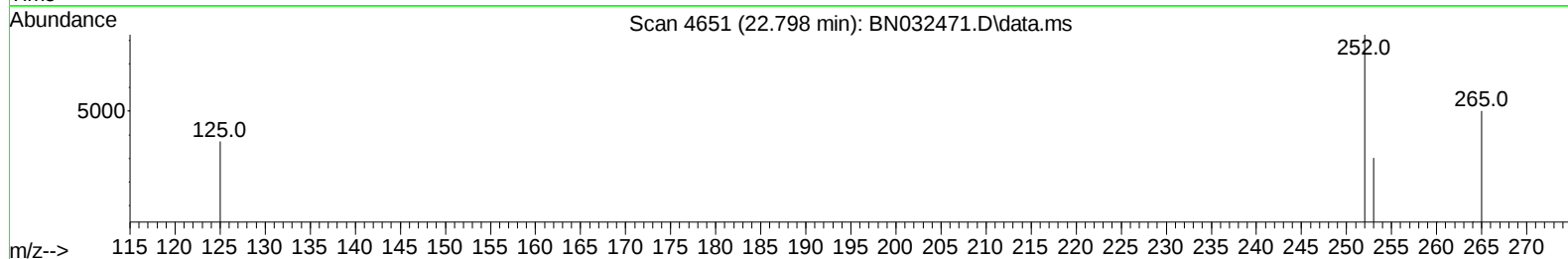
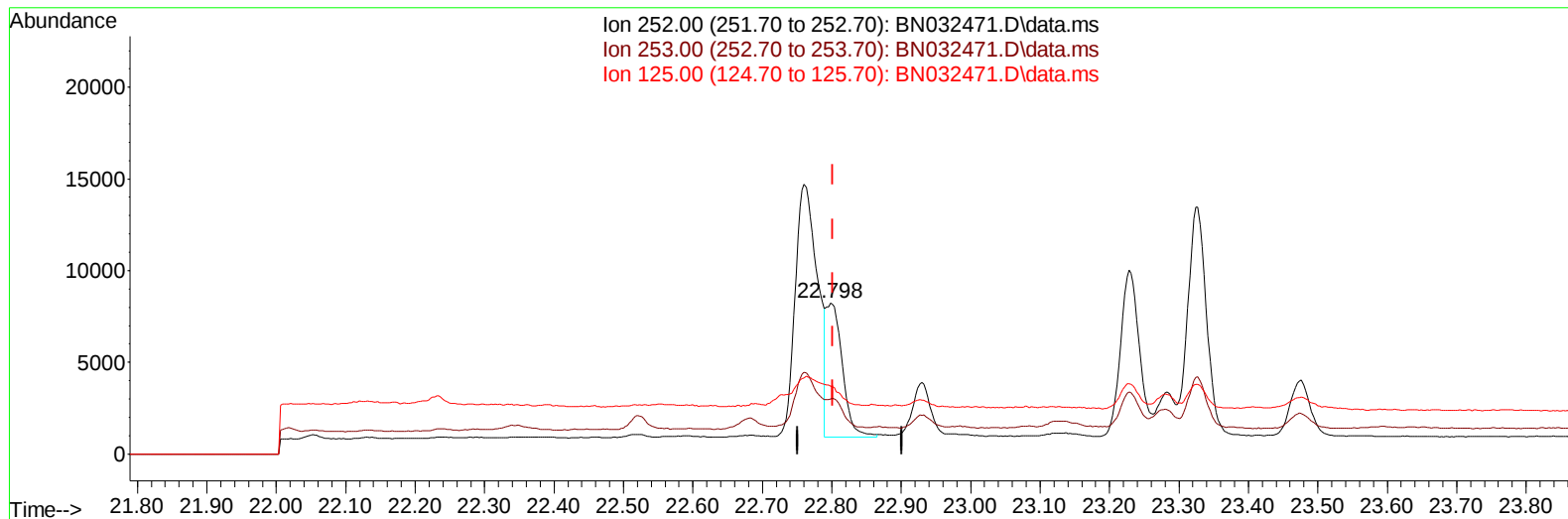
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
Data File : BN032471.D
Acq On : 04 Jul 2024 12:45
Operator : MA/JU
Sample : P2964-18
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4CT7

Manual IntegrationsAPPROVED

Quant Time: Jul 04 23:06:01 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: BN032471.D\data.ms

(25) Benzo(k)fluoranthene

22.798min (-0.003) 0.13 ng/u1 m

response 11934

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	25.40	36.61#
125.00	16.00	45.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070324\
 Data File : BN032471.D
 Acq On : 04 Jul 2024 12:45
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.595	152		8849	0.400	ng/ul	0.00
4) Naphthalene-d8	10.371	136		27418	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.244	164		15533	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.999	188		28542m	0.400	ng/ul	0.00
17) Chrysene-d12	21.211	240		19967m	0.400	ng/ul	0.00
23) Perylene-d12	23.424	264		22107m	0.400	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.139	96		30997	3.151	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.971	152		9499	0.231	ng/ul	0.00
18) Fluoranthene-d10	19.041	212		16278	0.271	ng/ul	0.00
Target Compounds							
						Qvalue	
5) Naphthalene	10.420	128		2349	0.032	ng/ul#	86
10) Acenaphthylene	13.966	152		3219	0.050	ng/ul#	88
11) Acenaphthene	14.308	153		1048	0.021	ng/ul	96
12) Fluorene	15.303	166		1490	0.025	ng/ul#	95
15) Phenanthrene	17.041	178		20849m	0.266	ng/ul	
16) Anthracene	17.134	178		5965m	0.085	ng/ul	
19) Fluoranthene	19.068	202		43225	0.569	ng/ul	97
20) Pyrene	19.436	202		41360	0.521	ng/ul	99
21) Benzo(a)anthracene	21.194	228		23575	0.327	ng/ul#	92
22) Chrysene	21.246	228		19701	0.249	ng/ul#	92
24) Benzo(b)fluoranthene	22.760	252		31222m	0.325	ng/ul	
25) Benzo(k)fluoranthene	22.798	252		11934m	0.128	ng/ul	
26) Benzo(a)pyrene	23.327	252		23276	0.348	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	25.663	276		18128	0.173	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.666	278		4220	0.054	ng/ul#	15
29) Benzo(g,h,i)perylene	26.350	276		18126	0.217	ng/ul#	89

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

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