

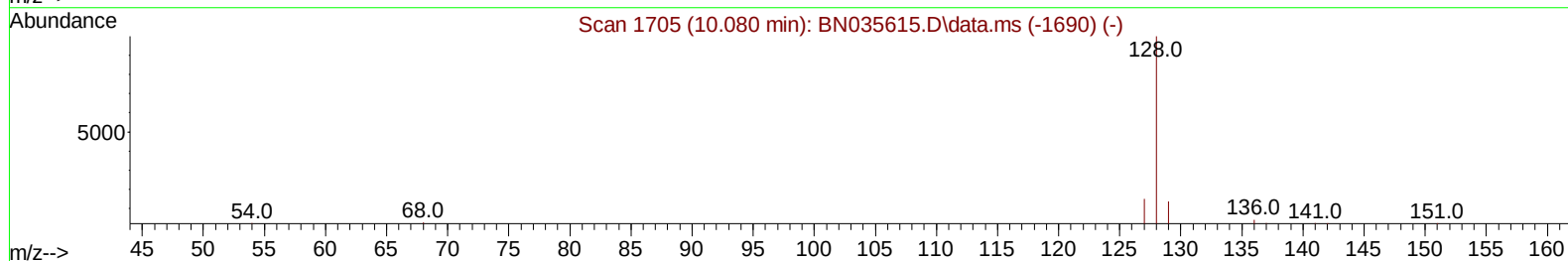
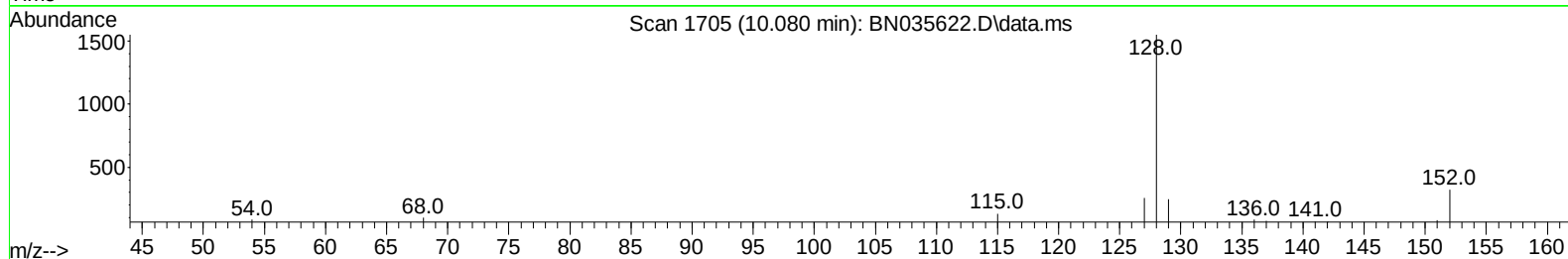
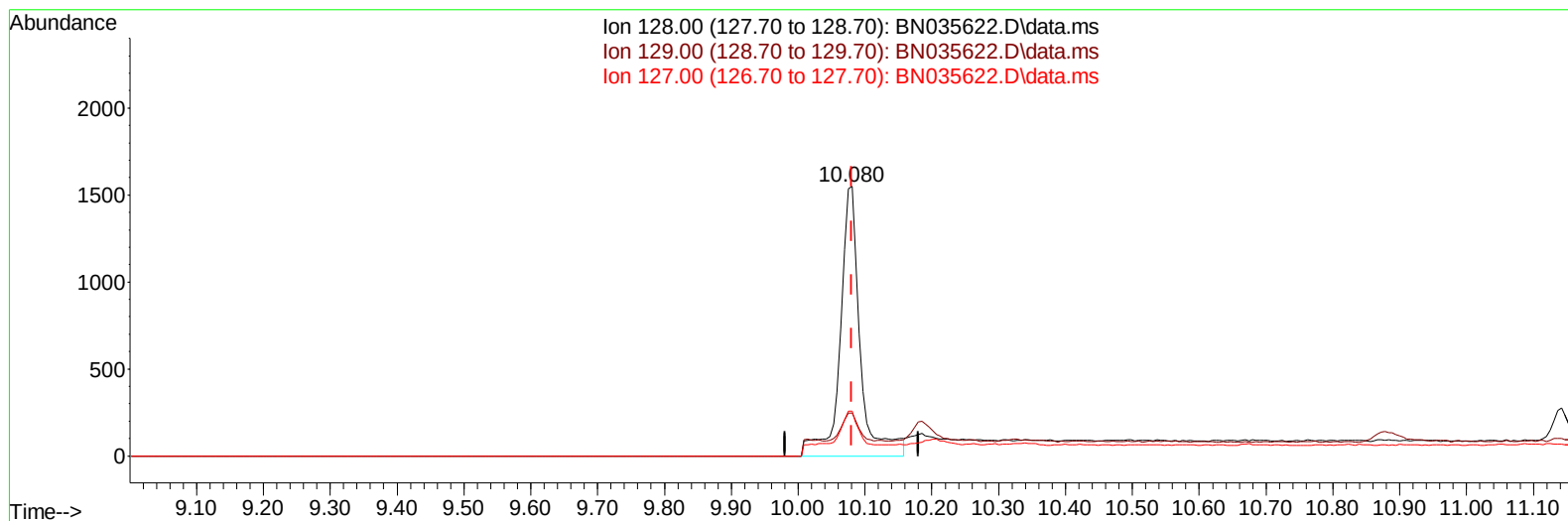
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024

Quant Time: Dec 16 21:56:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration



TIC: BN035622.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.18 ng/u1

response 3174

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	15.88
127.00	15.00	16.59
0.00	0.00	0.00

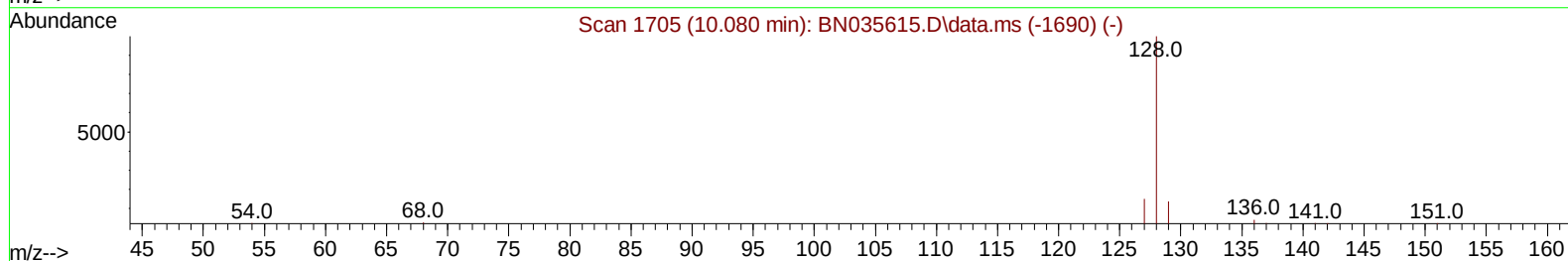
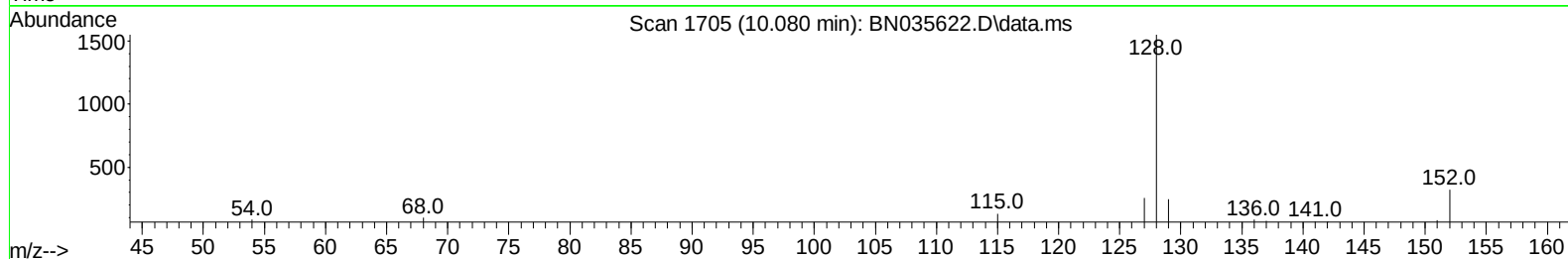
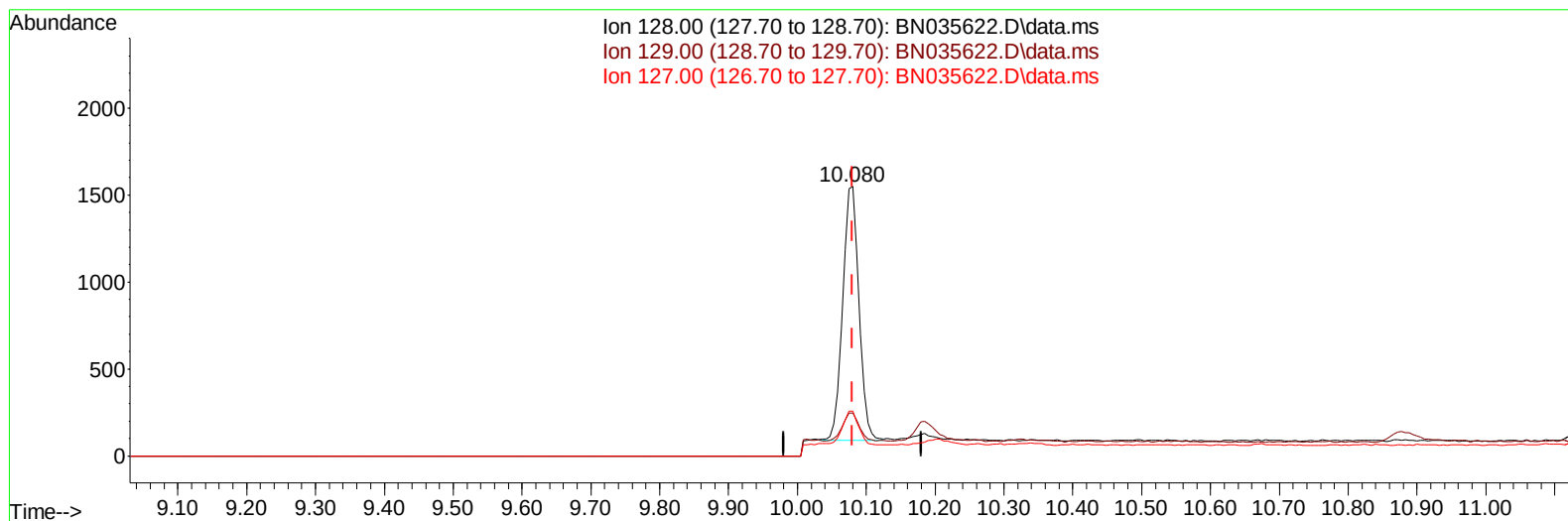
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Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(5) Naphthalene

10.080min (+ 0.000) 0.13 ng/ul m

response 2382

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	15.88
127.00	15.00	16.59
0.00	0.00	0.00

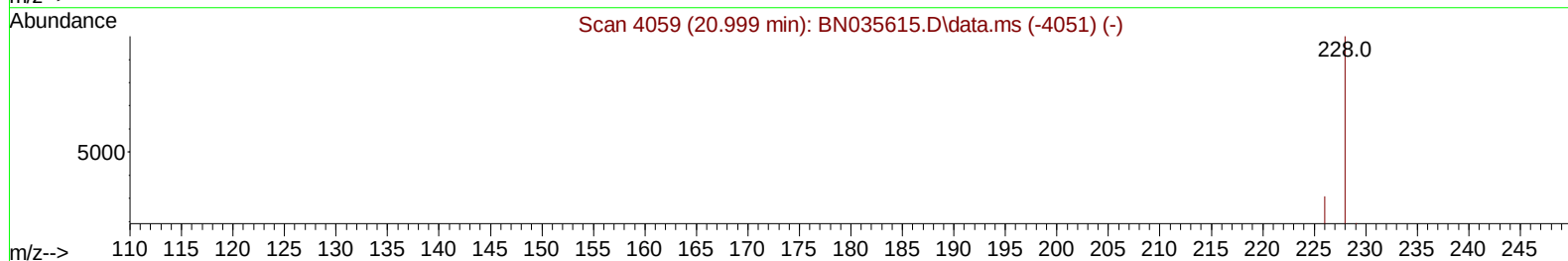
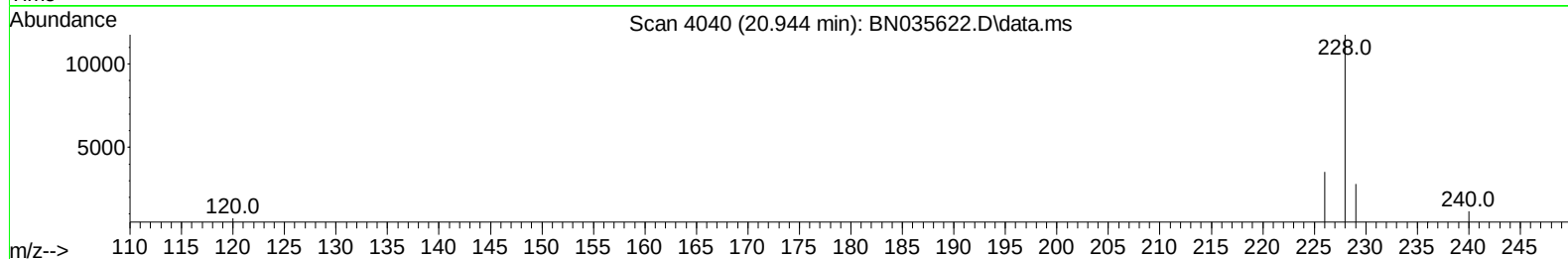
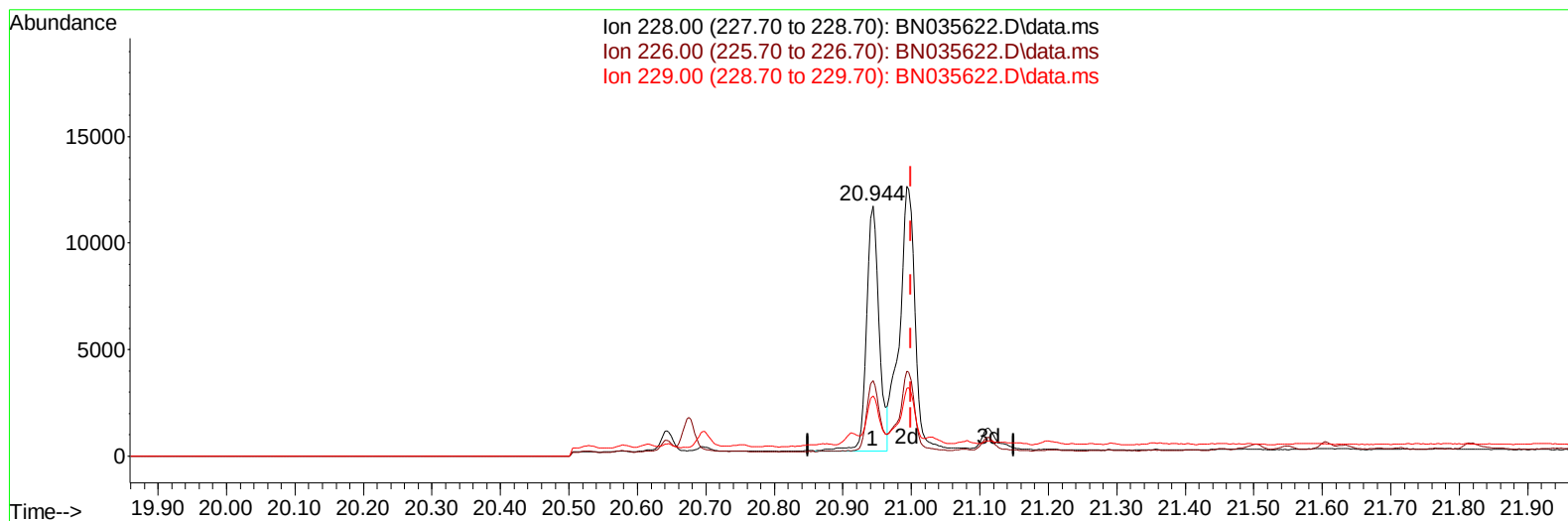
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(22) Chrysene

20.944min (-0.055) 0.46 ng/u1

response 14639

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	30.03
229.00	20.70	24.01
0.00	0.00	0.00

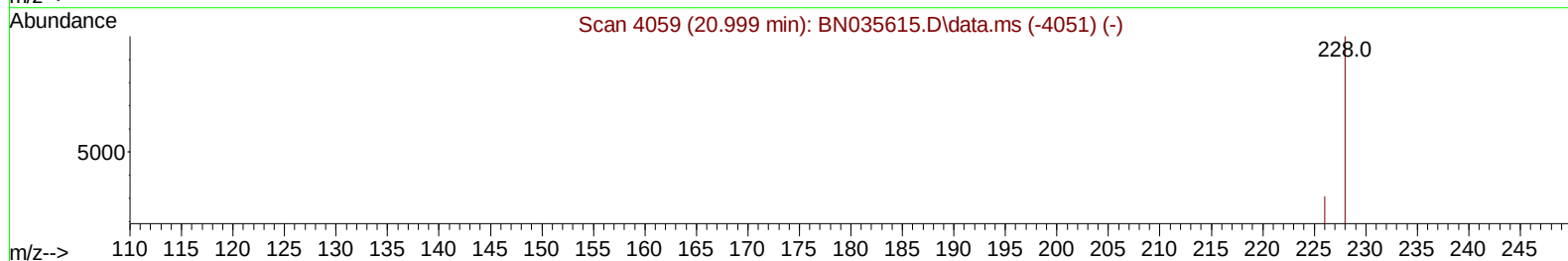
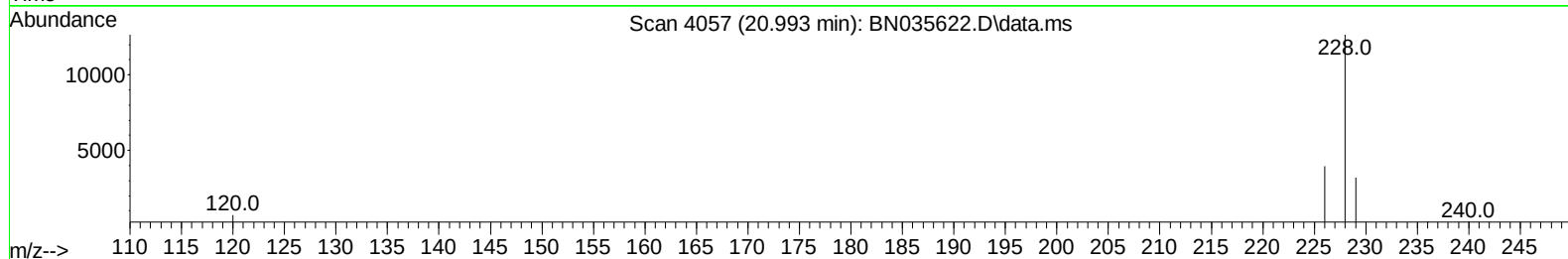
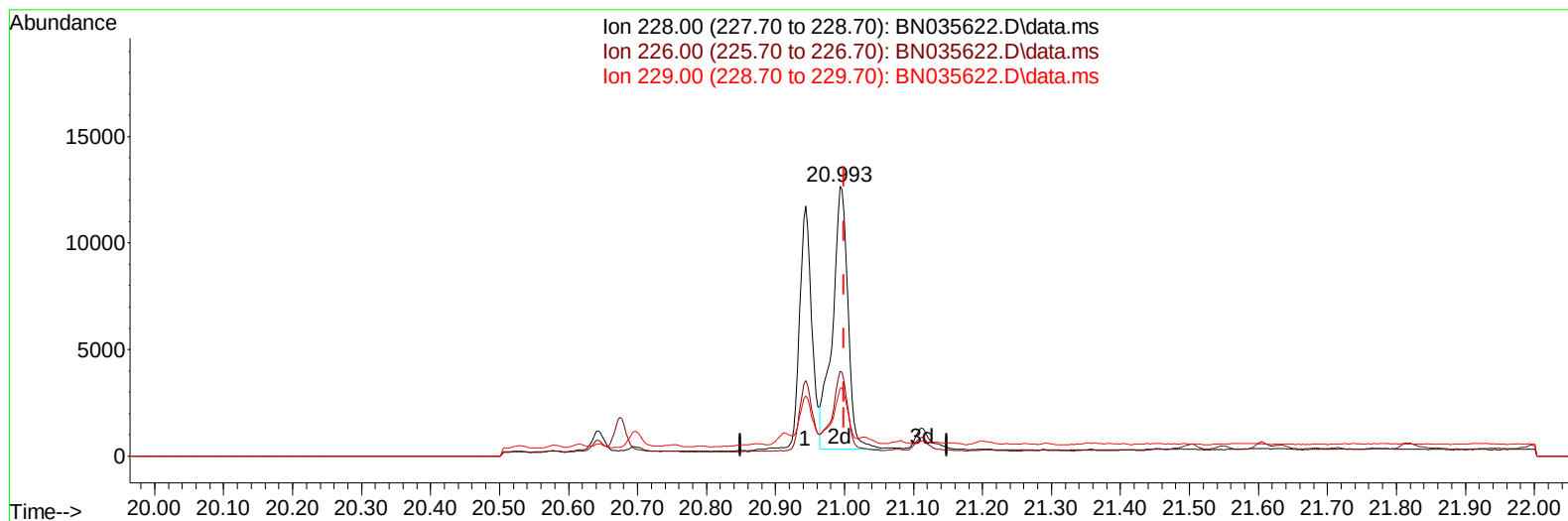
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
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TIC: BN035622.D\data.ms

(22) Chrysene

20.993min (-0.006) 0.61 ng/ul m

response 19334

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	31.40	31.41
229.00	20.70	25.17#
0.00	0.00	0.00

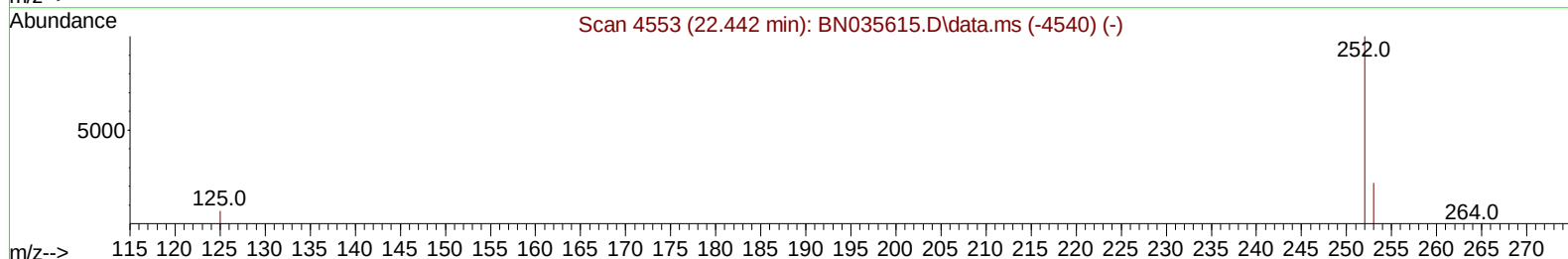
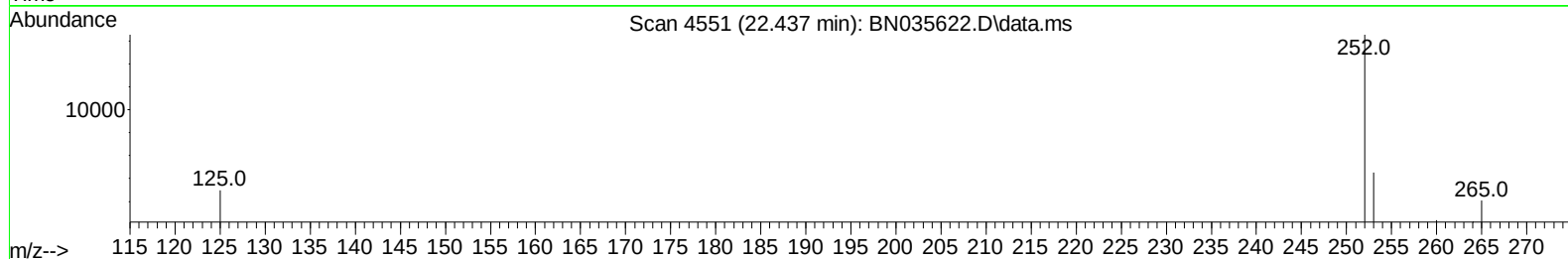
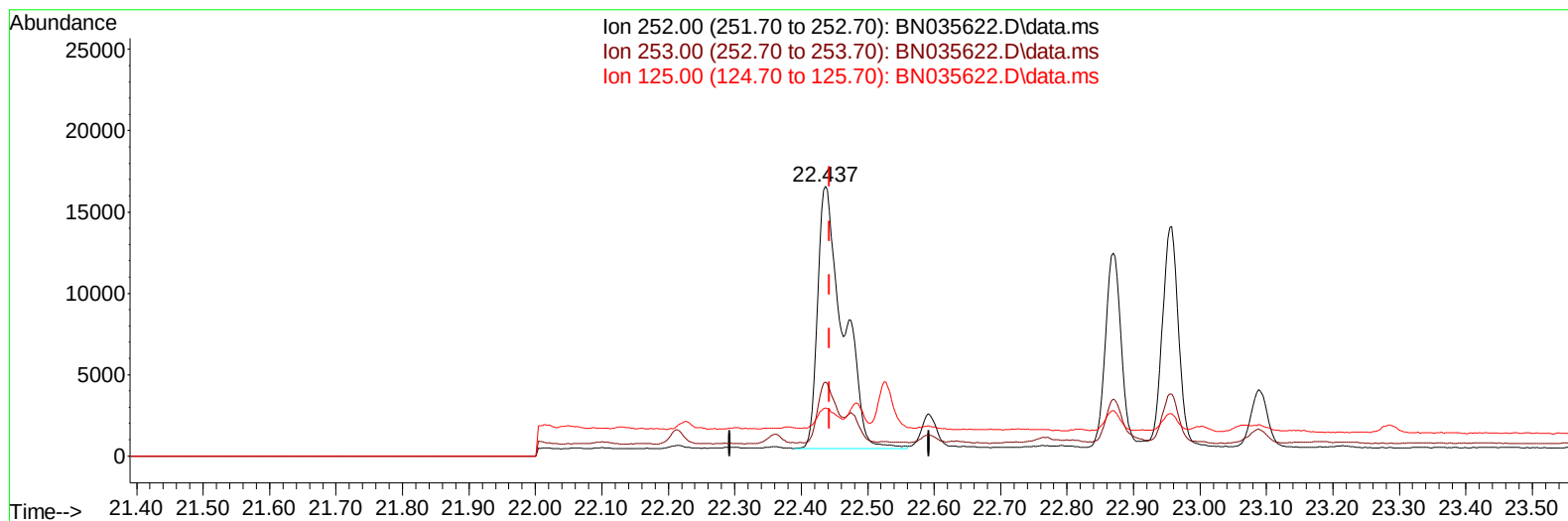
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 1.40 ng/u1

response 43003

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	27.38
125.00	18.80	17.88
0.00	0.00	0.00

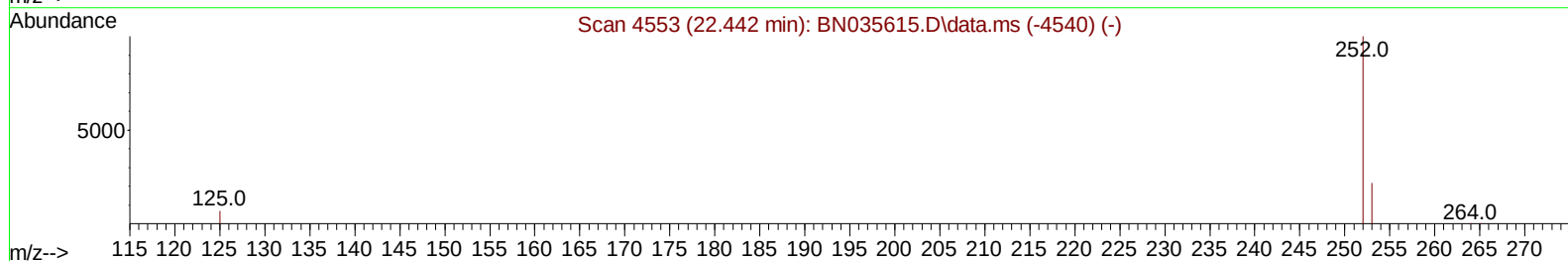
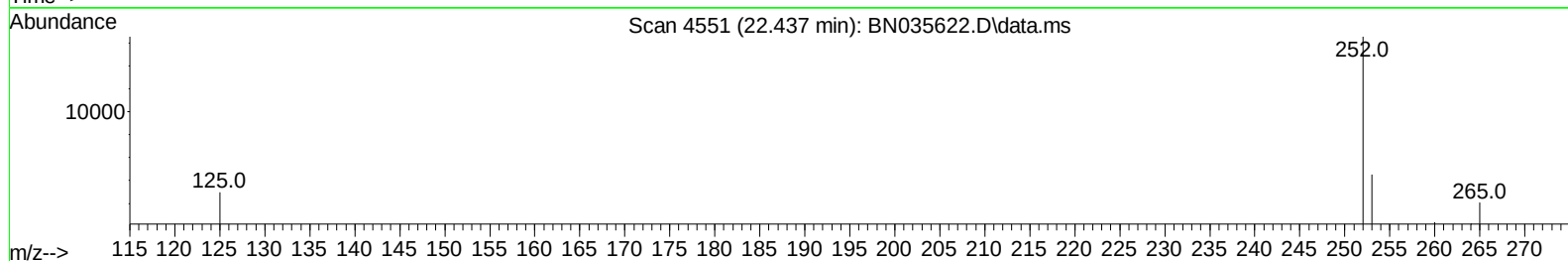
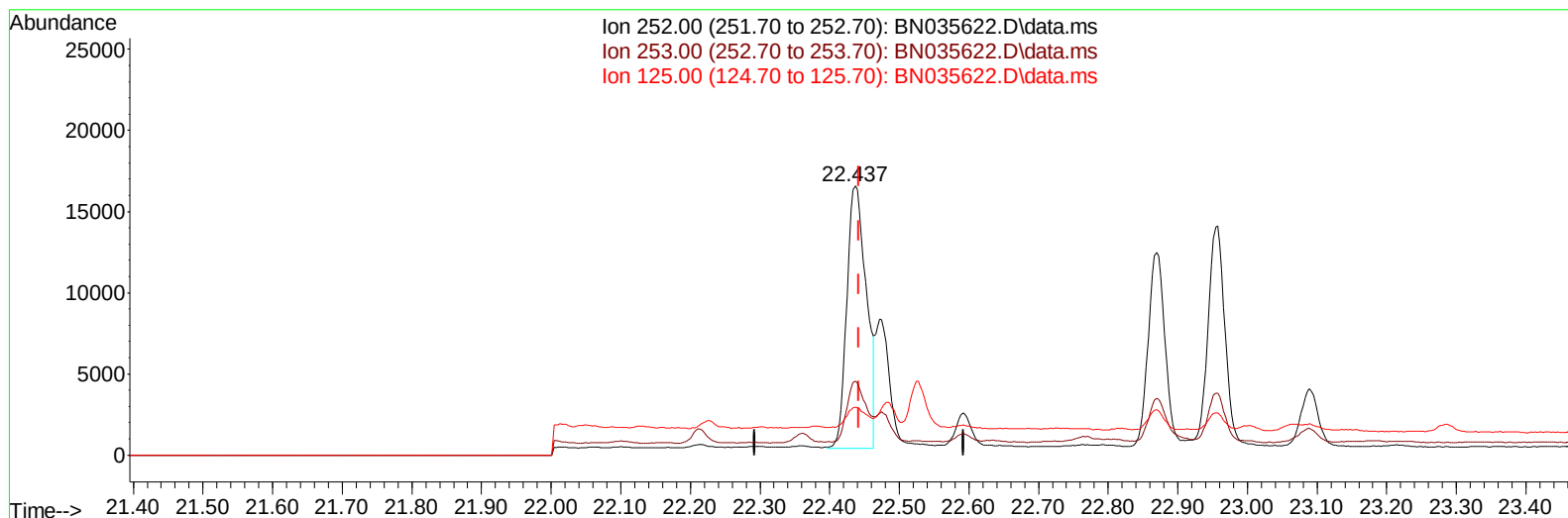
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Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(24) Benzo(b)fluoranthene

22.437min (-0.006) 1.04 ng/ul m

response 31771

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	27.38
125.00	18.80	17.88
0.00	0.00	0.00

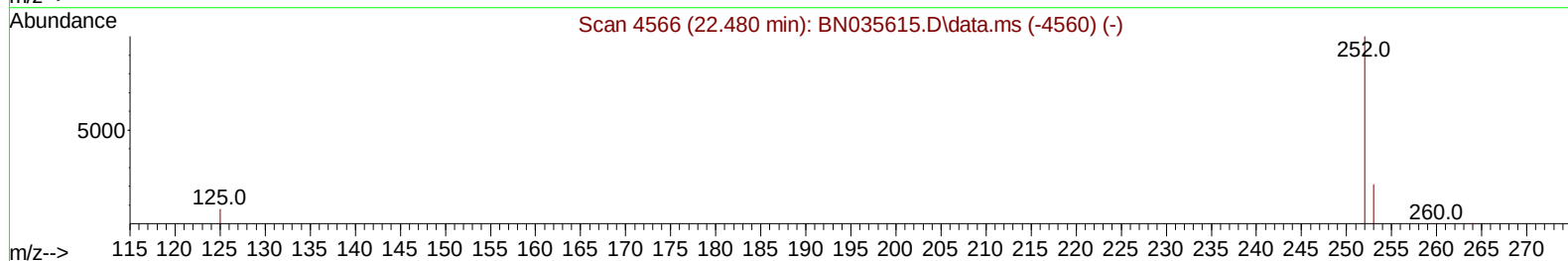
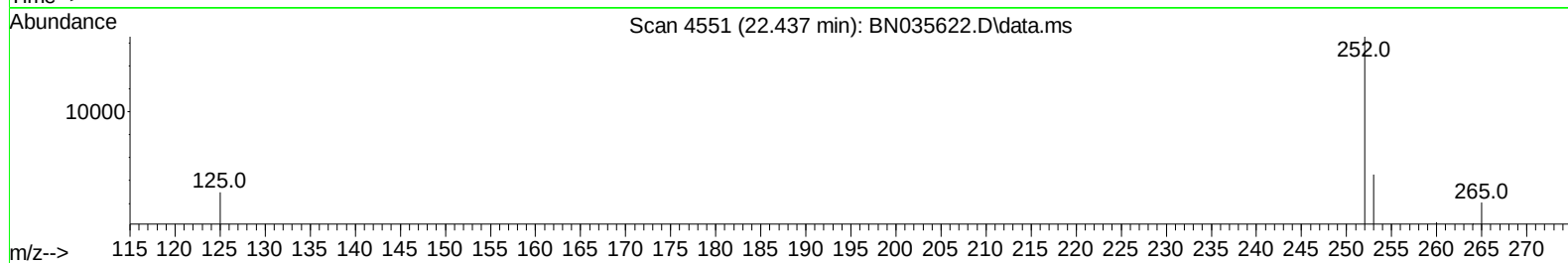
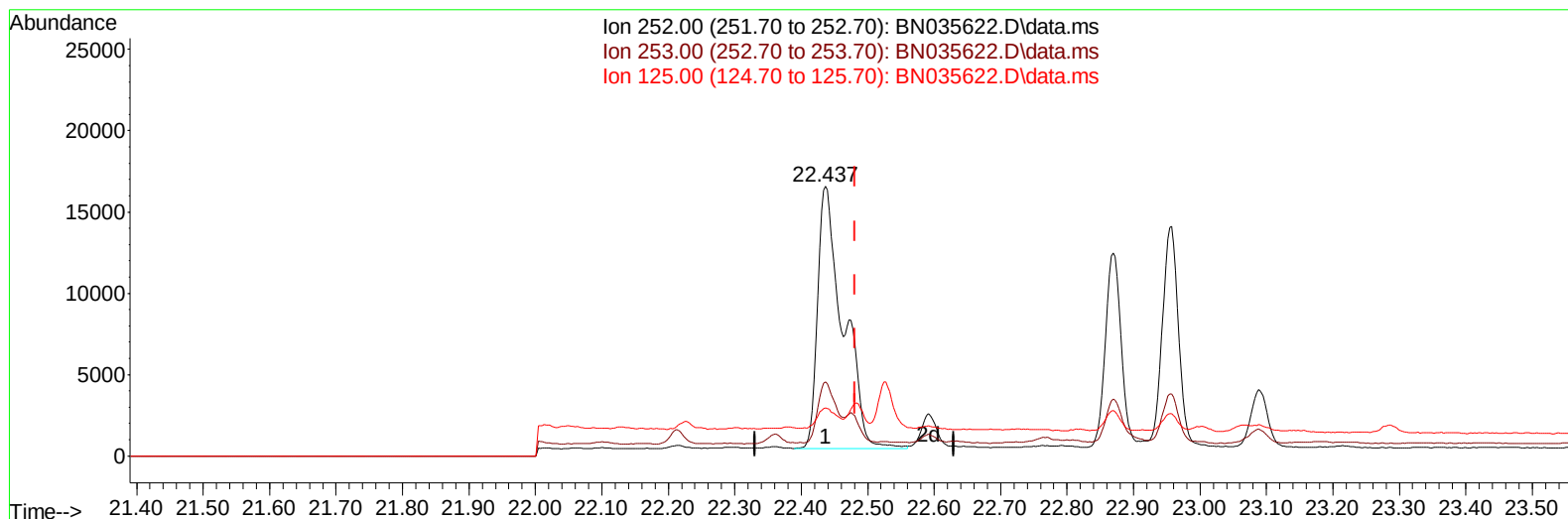
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Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(25) Benzo(k)fluoranthene

22.437min (-0.044) 1.27 ng/u1

response 43003

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	27.38
125.00	19.10	17.88
0.00	0.00	0.00

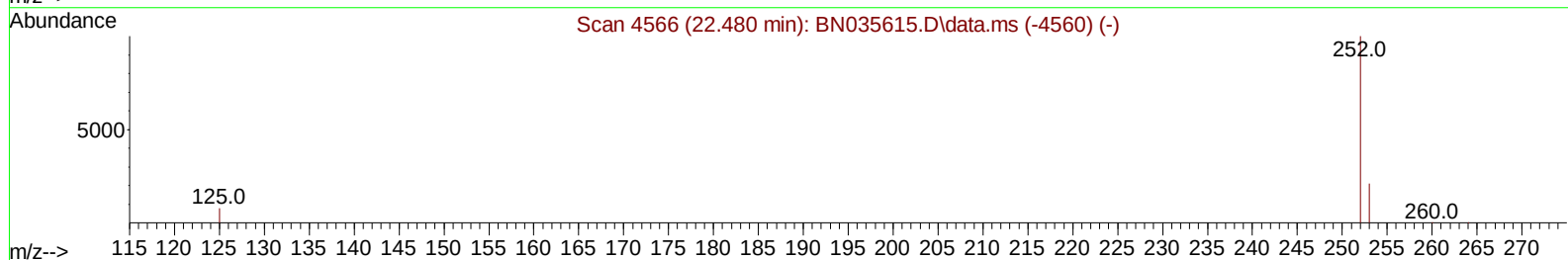
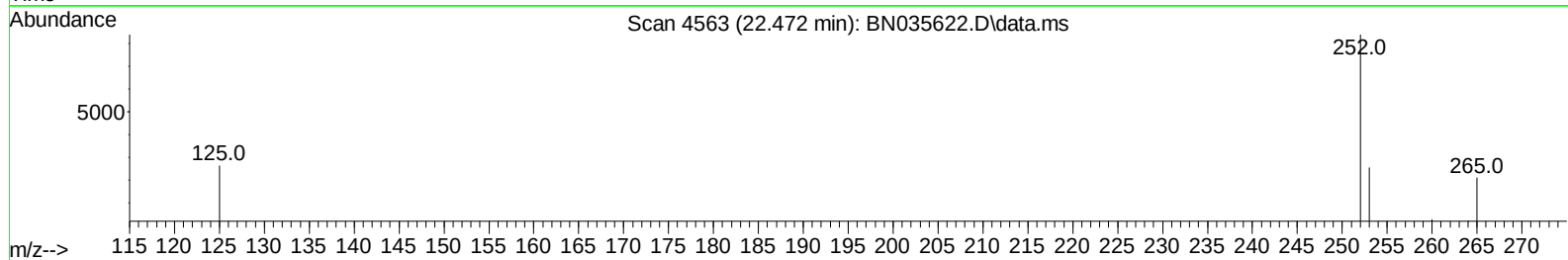
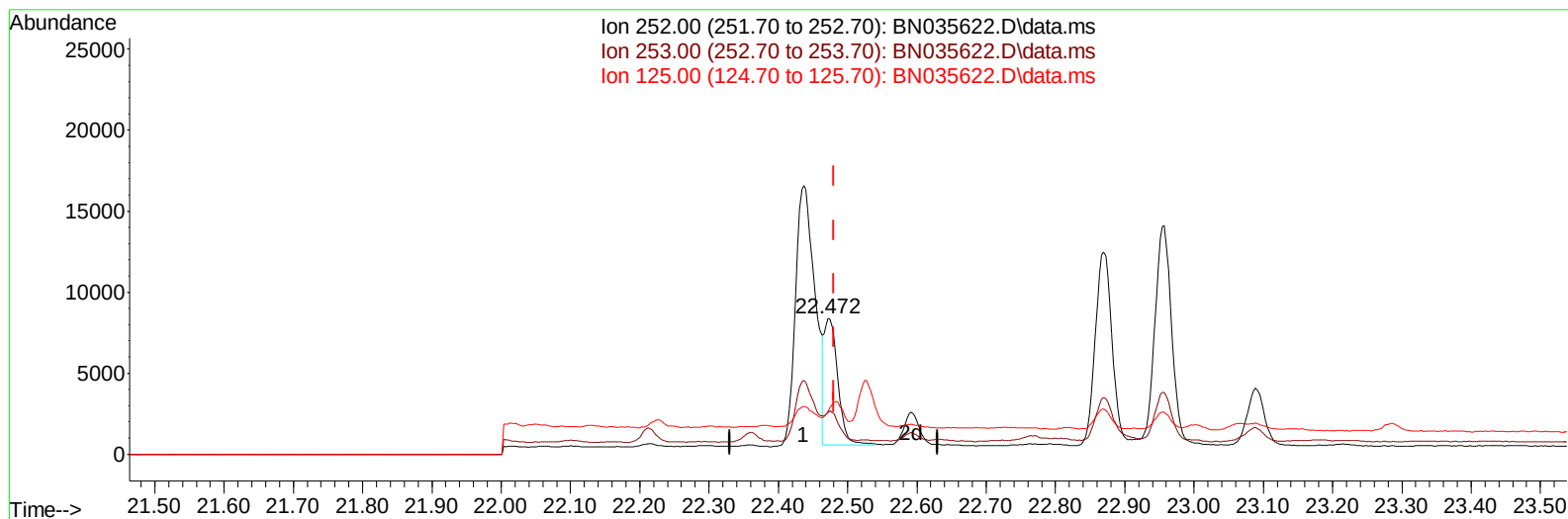
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Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(25) Benzo(k)fluoranthene

22.472min (-0.009) 0.32 ng/u1 m

response 10862

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	30.42
125.00	19.10	31.58#
0.00	0.00	0.00

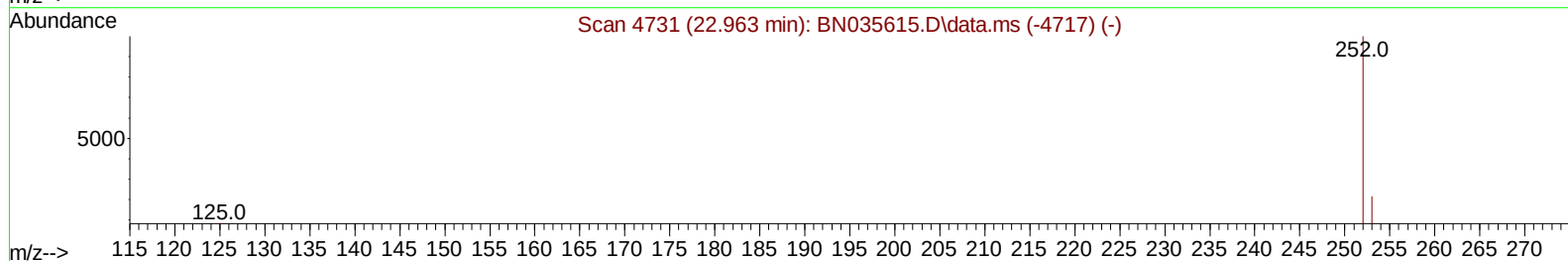
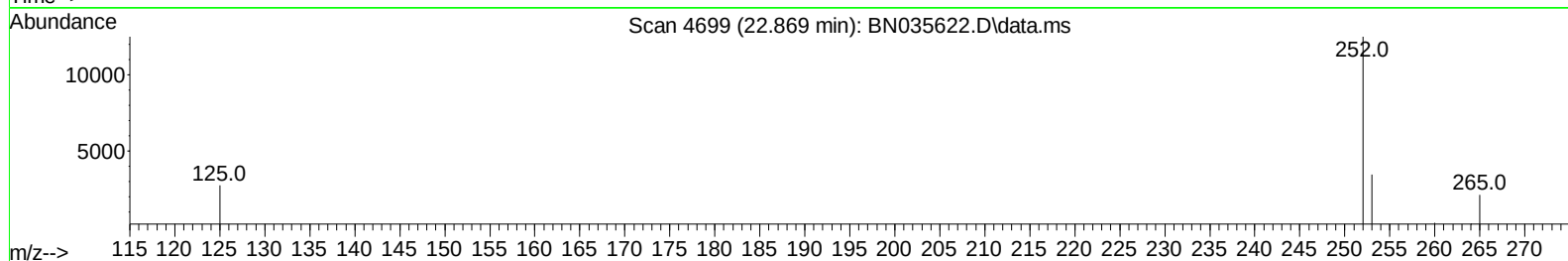
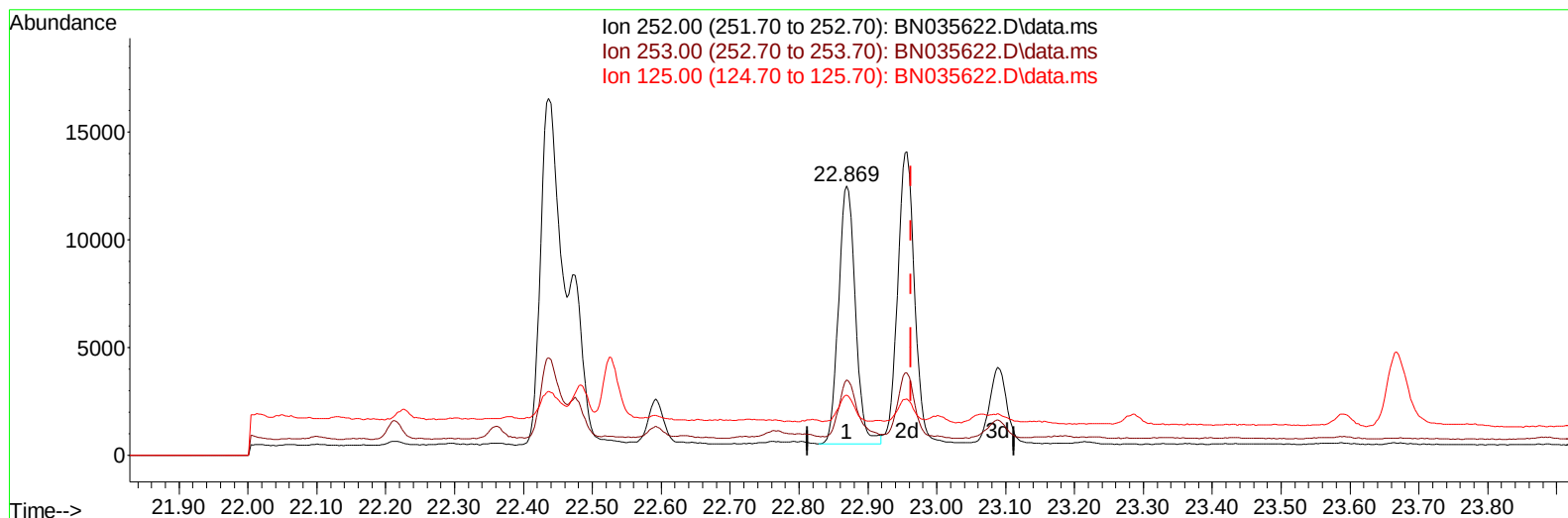
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Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(26) Benzo(a)pyrene (C)

22.869min (-0.093) 0.69 ng/u1

response 20417

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	27.87
125.00	23.90	22.28
0.00	0.00	0.00

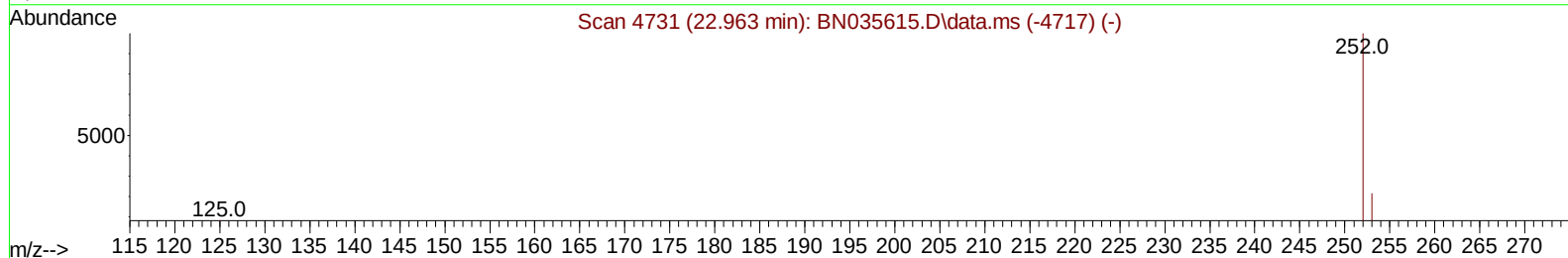
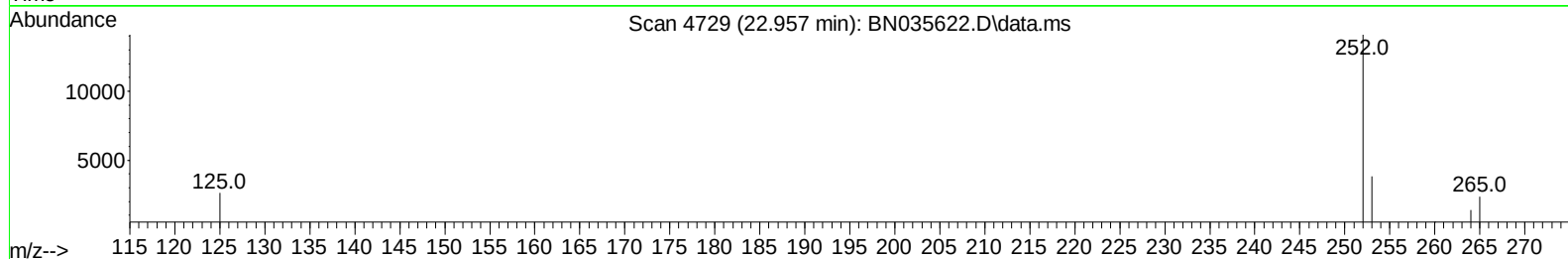
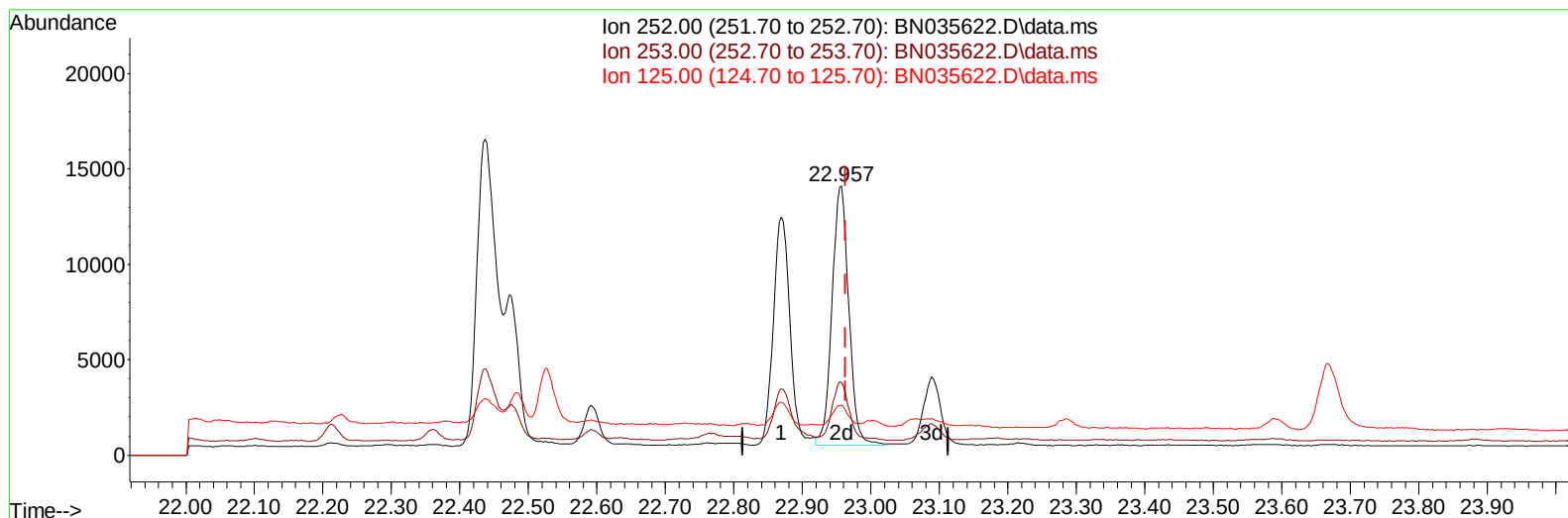
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Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(26) Benzo(a)pyrene (C)

22.957min (-0.006) 0.78 ng/ul m

response 23287

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	27.07
125.00	23.90	18.49#
0.00	0.00	0.00

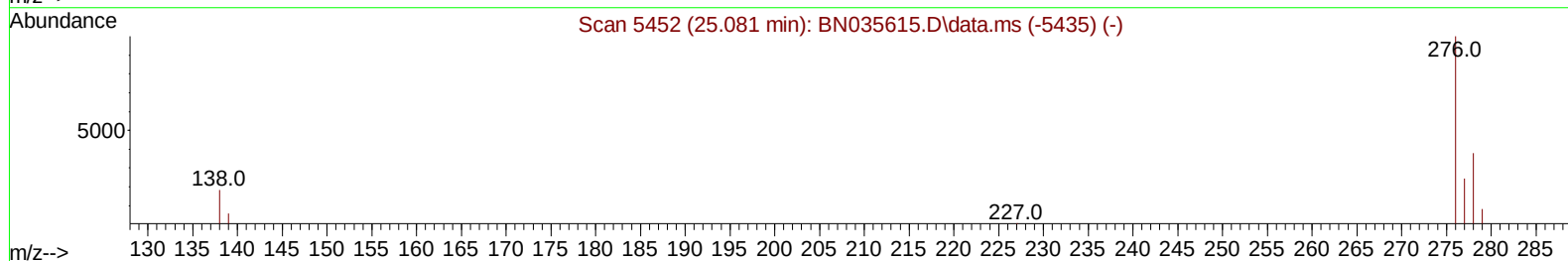
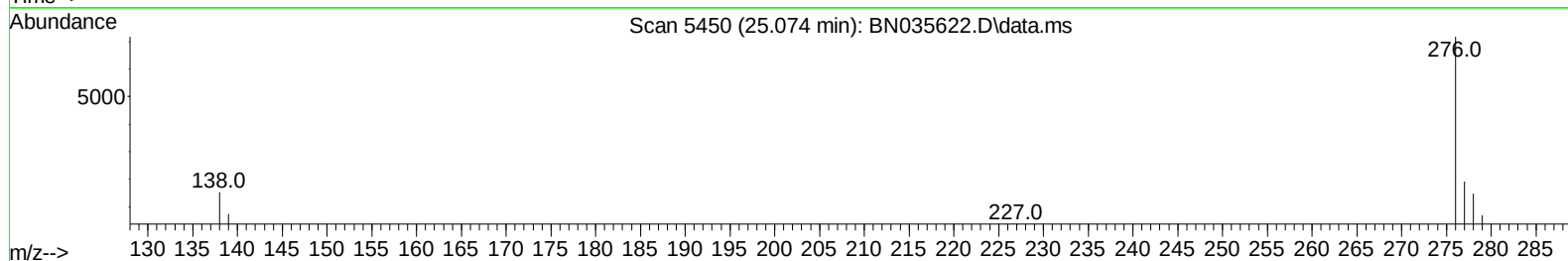
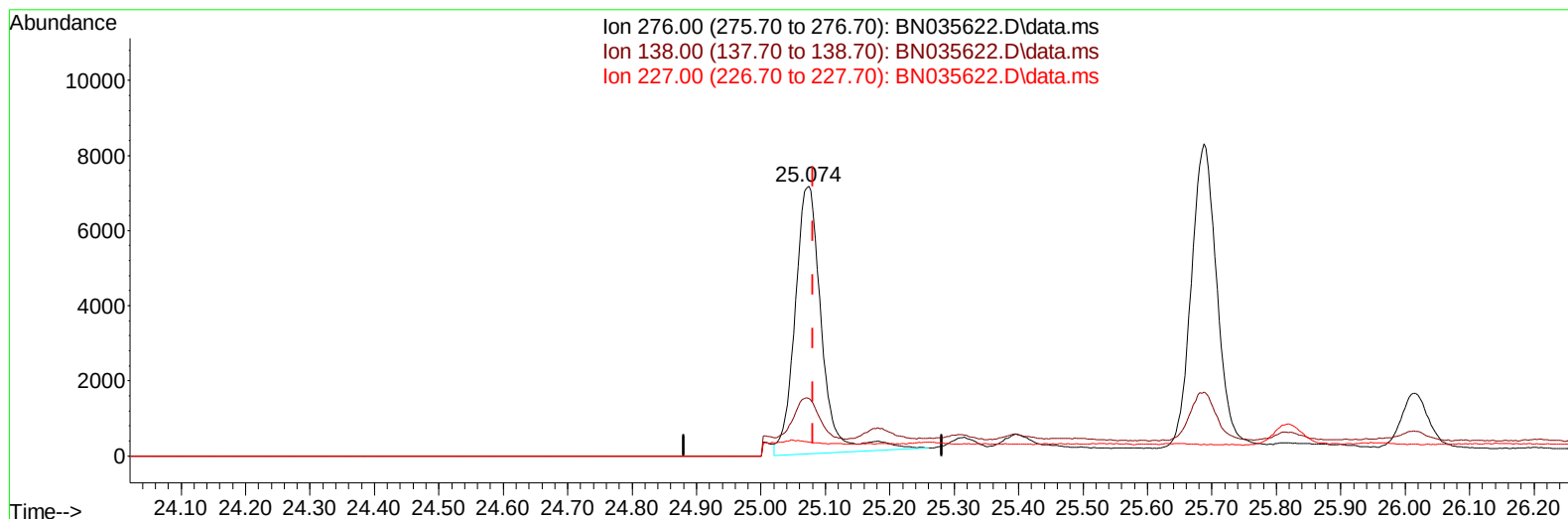
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Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.074min (-0.007) 0.57 ng/uL

response 20492

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	17.35
227.00	27.00	0.00#
0.00	0.00	0.00

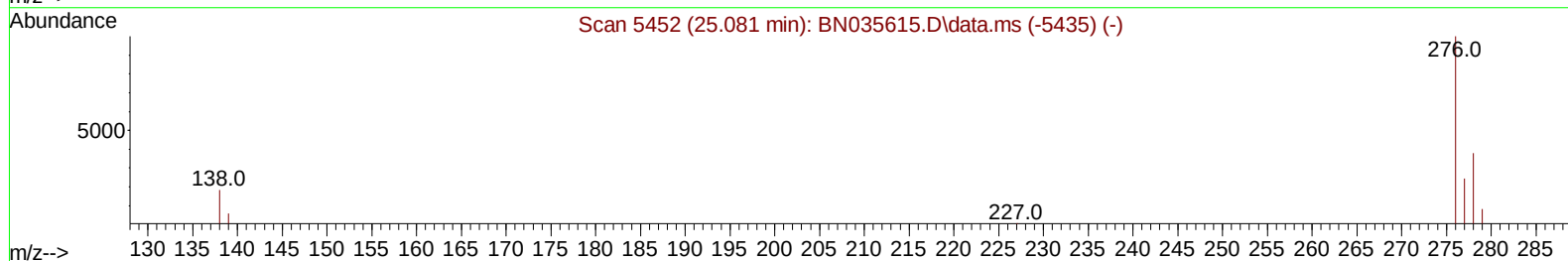
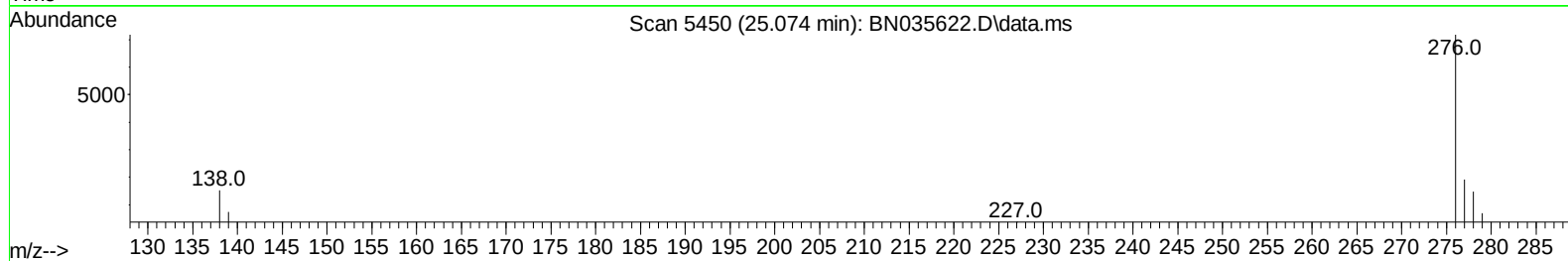
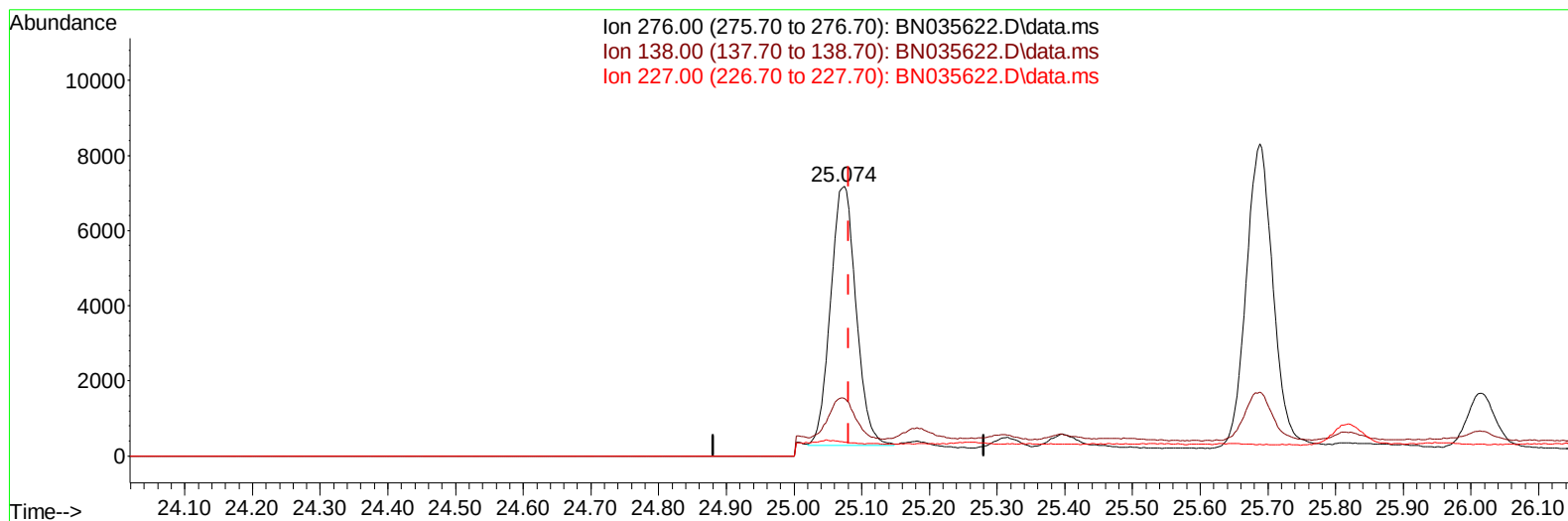
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
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QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(27) Indeno(1,2,3-cd)pyrene

25.074min (-0.007) 0.50 ng/ul m

response 18076

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	19.67
227.00	27.00	0.00#
0.00	0.00	0.00

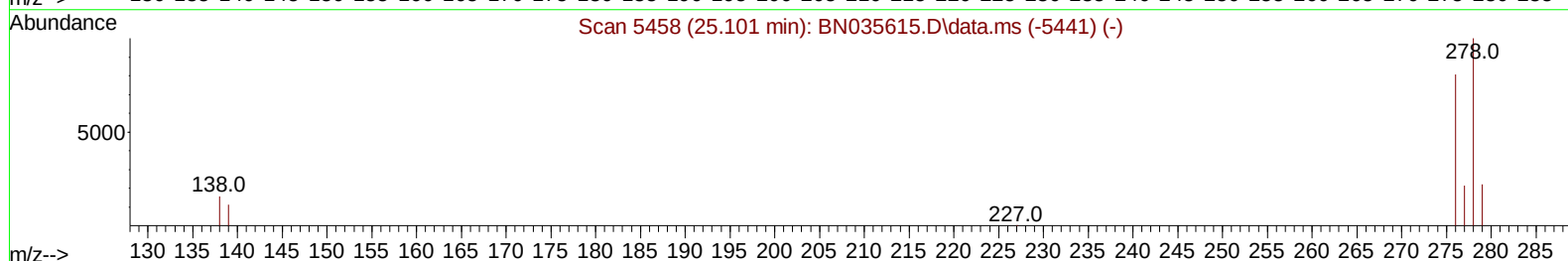
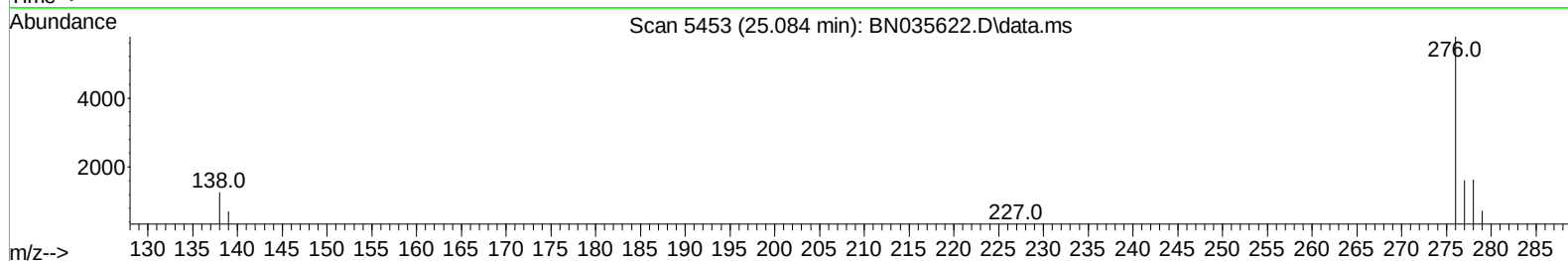
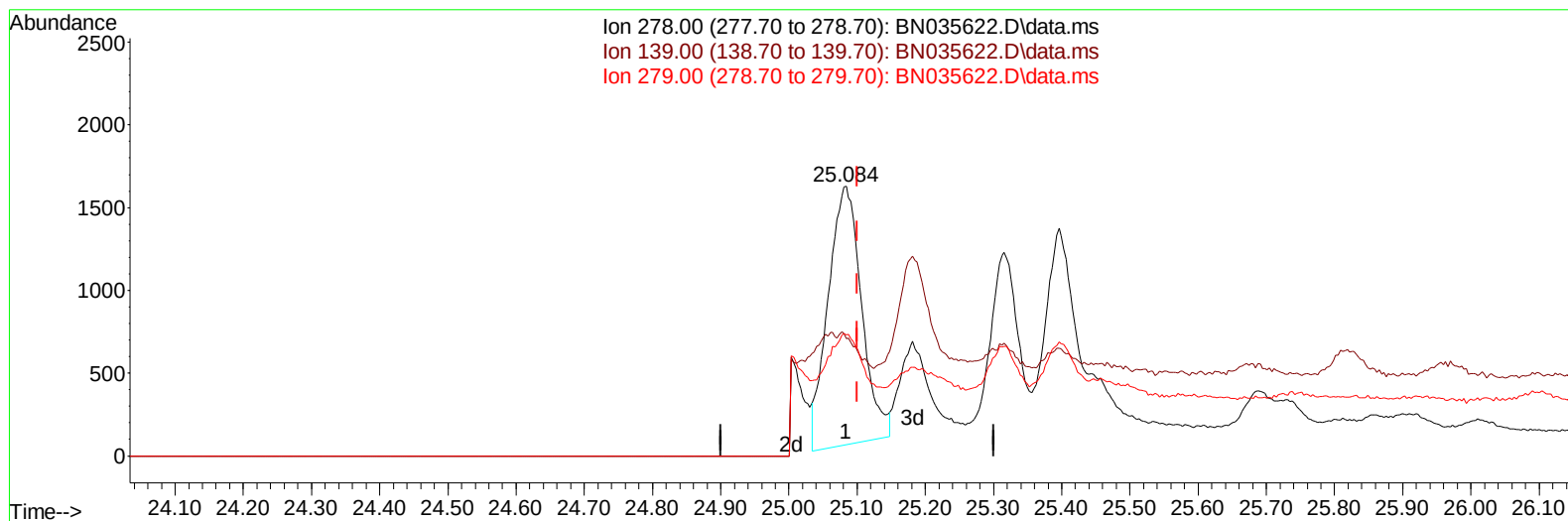
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.19 ng/u1

response 5355

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	43.49#
279.00	30.00	44.96#
0.00	0.00	0.00

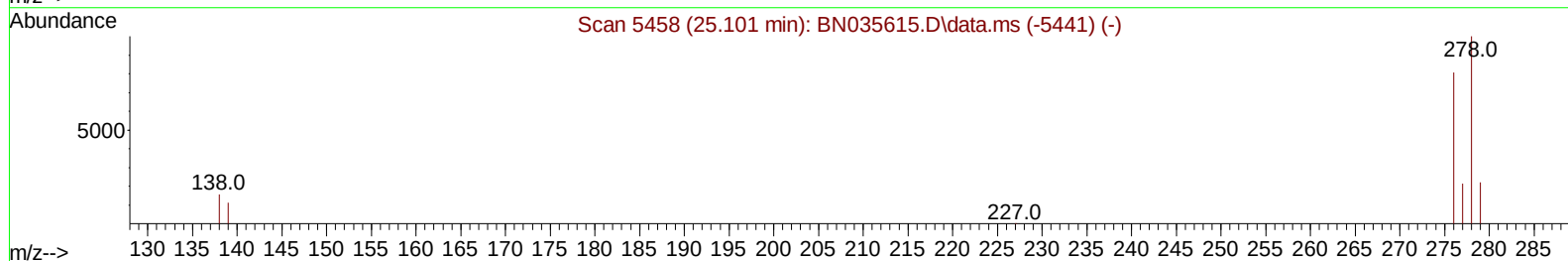
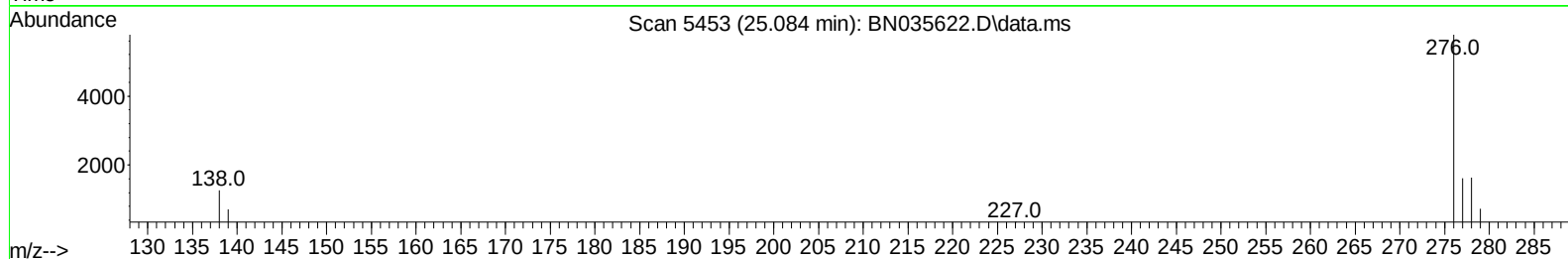
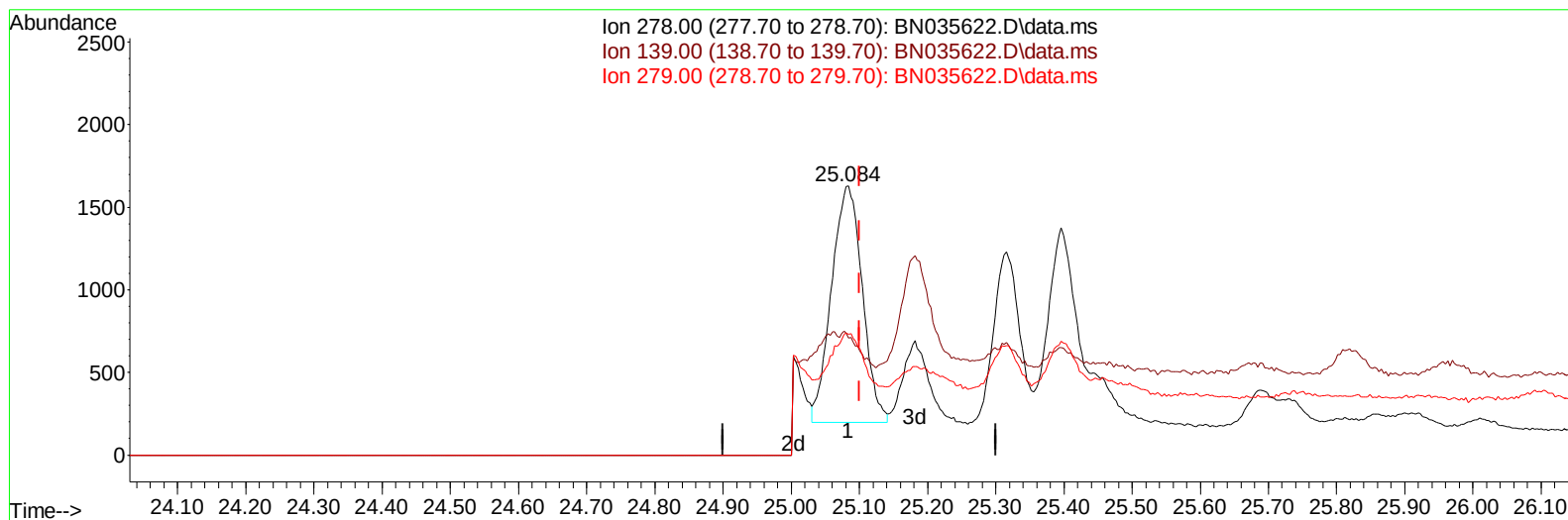
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
Data File : BN035622.D
Acq On : 16 Dec 2024 18:13
Operator : RC/JU
Sample : P5232-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28R5

Manual IntegrationsAPPROVED

Quant Time: Dec 16 21:56:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:26:08 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/21/2024



TIC: BN035622.D\data.ms

(28) Dibenzo(a,h)anthracene

25.084min (-0.017) 0.16 ng/ul m

response 4486

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	43.49#
279.00	30.00	44.96#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121624\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.284	152	2389	0.400	ng/ul	0.00
4) Naphthalene-d8	10.031	136	7279	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.944	164	5148	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.713	188	11153	0.400	ng/ul	0.00
17) Chrysene-d12	20.958	240	9210	0.400	ng/ul	# 0.00
23) Perylene-d12	23.045	264	10406	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.955	96	4205	1.985	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.631	152	993	0.096	ng/ul	0.00
18) Fluoranthene-d10	18.767	212	2264	0.084	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.080	128	2382m	0.133	ng/ul	
7) 2-Methylnaphthalene	11.708	142	1448	0.120	ng/ul	99
8) 1-Methylnaphthalene	11.934	142	580	0.047	ng/ul	100
10) Acenaphthylene	13.657	152	1180	0.059	ng/ul#	80
11) Acenaphthene	14.009	153	324	0.021	ng/ul#	92
14) Pentachlorophenol	16.379	266	59	0.021	ng/ul	86
15) Phenanthrene	16.755	178	8791	0.315	ng/ul	99
16) Anthracene	16.848	178	1982	0.076	ng/ul#	86
19) Fluoranthene	18.795	202	21198	0.644	ng/ul	100
20) Pyrene	19.163	202	21719	0.599	ng/ul	99
21) Benzo(a)anthracene	20.944	228	14639	0.479	ng/ul	95
22) Chrysene	20.993	228	19334m	0.610	ng/ul	
24) Benzo(b)fluoranthene	22.437	252	31771m	1.036	ng/ul	
25) Benzo(k)fluoranthene	22.472	252	10862m	0.320	ng/ul	
26) Benzo(a)pyrene	22.957	252	23287m	0.784	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.074	276	18076m	0.500	ng/ul	
28) Dibenzo(a,h)anthracene	25.084	278	4486m	0.162	ng/ul	
29) Benzo(g,h,i)perylene	25.688	276	22659	0.781	ng/ul	95

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

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