

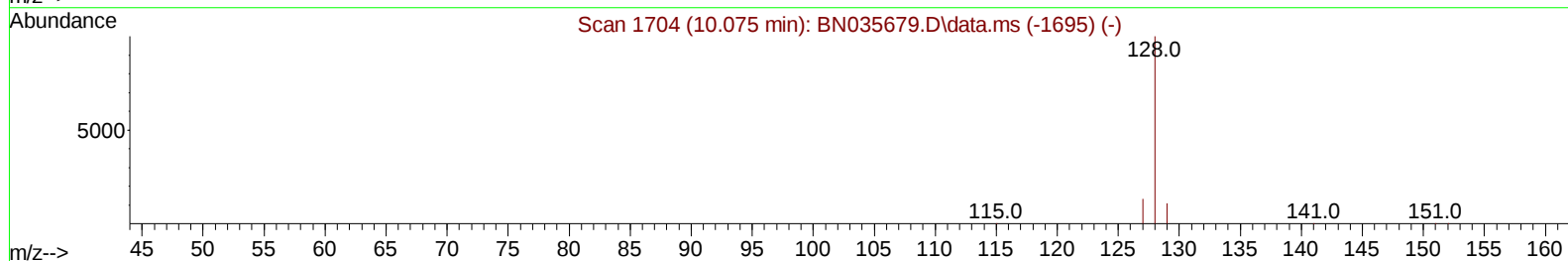
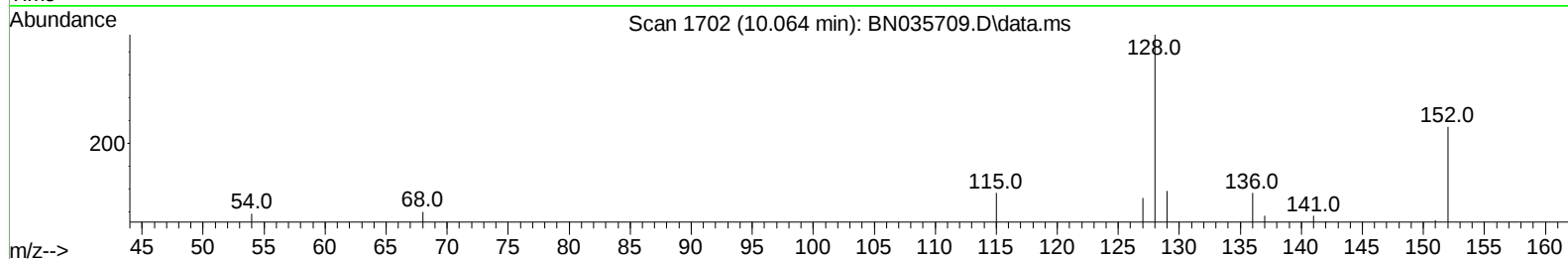
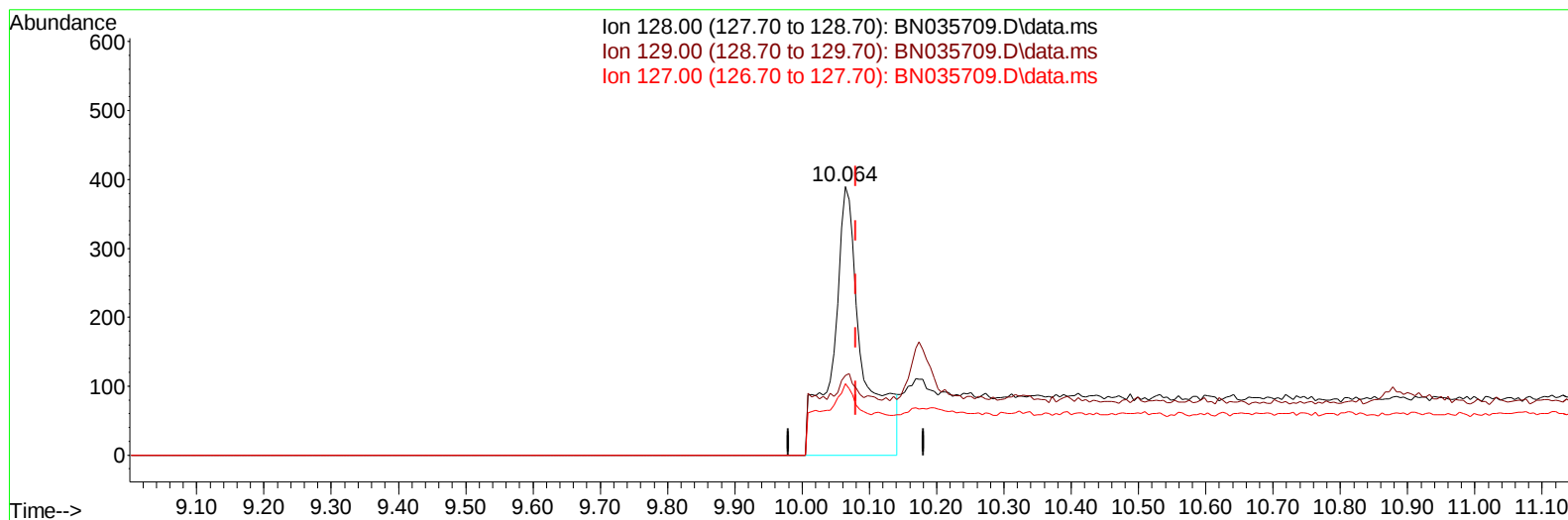
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(5) Naphthalene

10.064min (-0.016) 0.06 ng/u1

response 1198

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.74#
127.00	15.00	26.67#
0.00	0.00	0.00

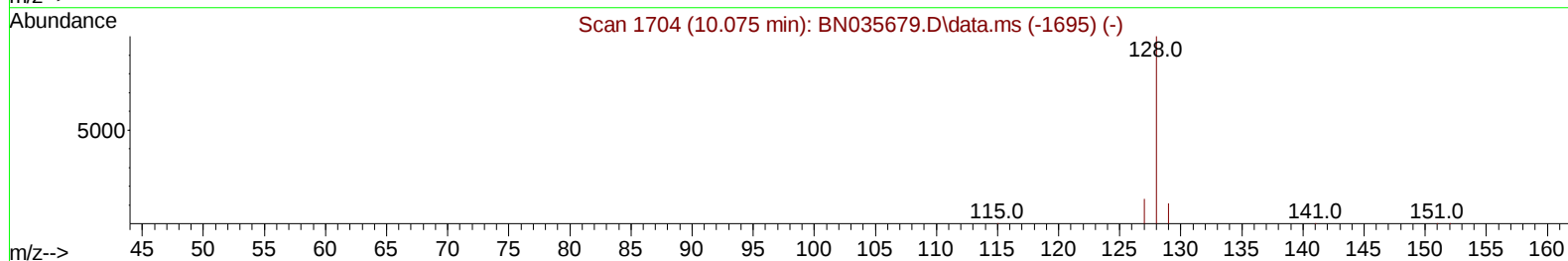
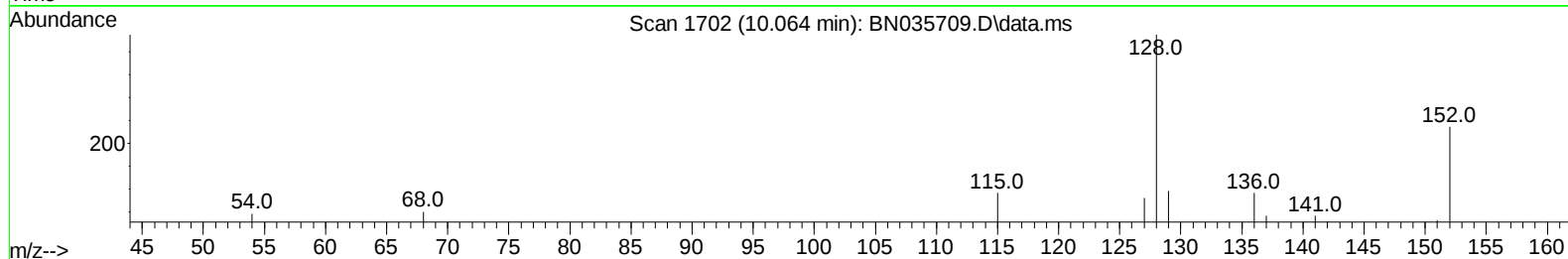
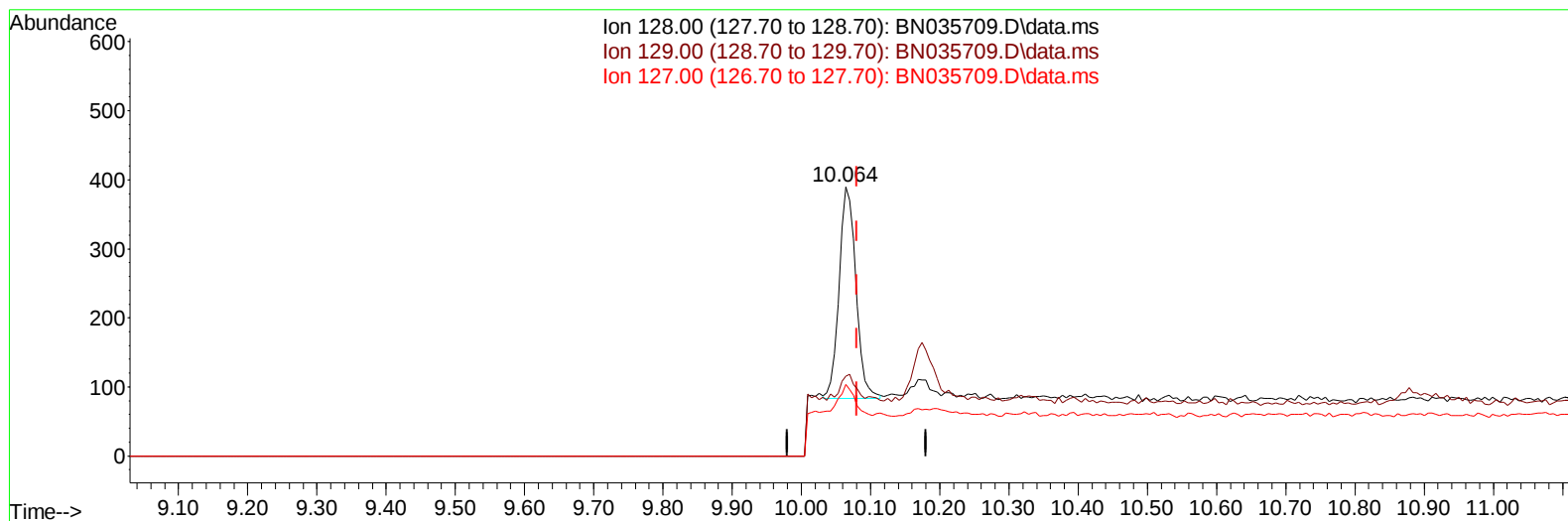
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(5) Naphthalene

10.064min (-0.016) 0.03 ng/ul m

response 518

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	13.50	29.74#
127.00	15.00	26.67#
0.00	0.00	0.00

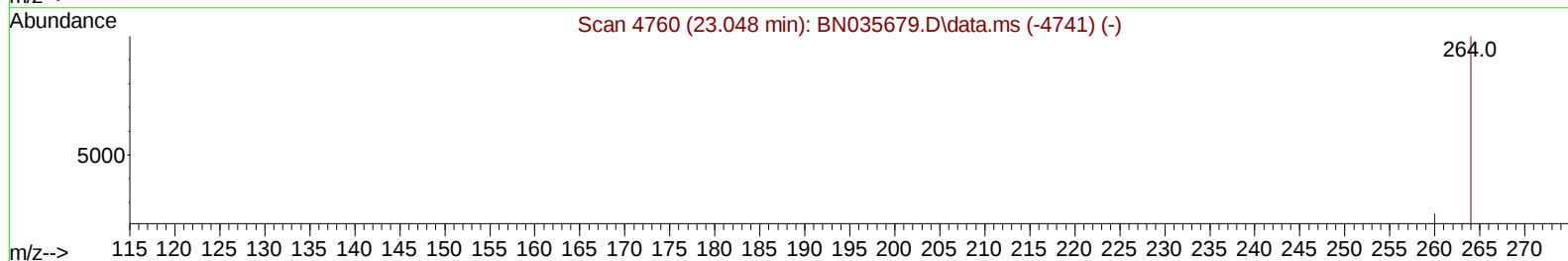
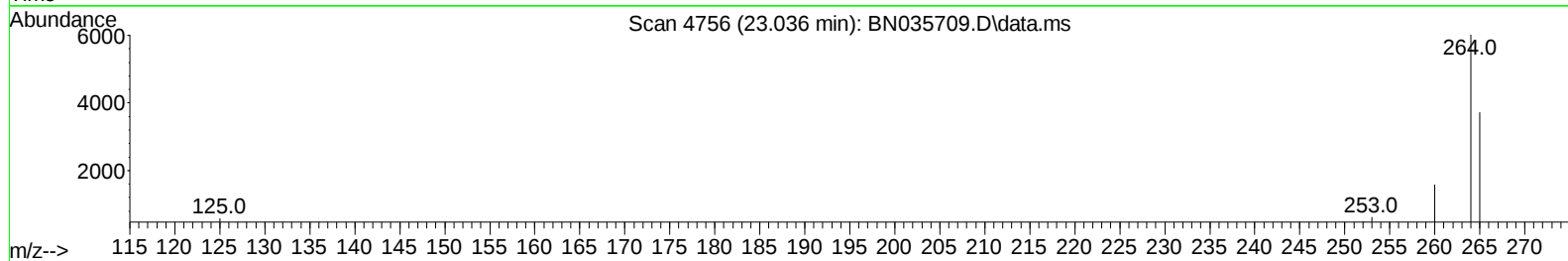
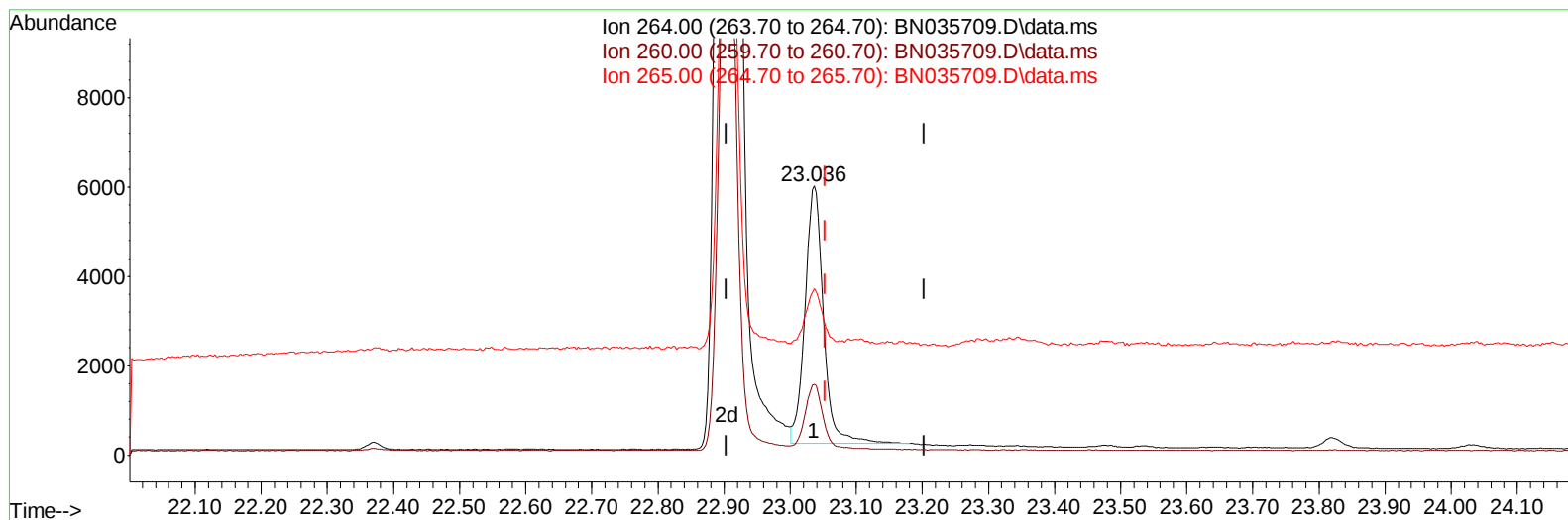
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(23) Perylene-d12 (I)

23.036min (-0.017) 0.40 ng/u1

response 11036

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.33
265.00	62.10	61.84
0.00	0.00	0.00

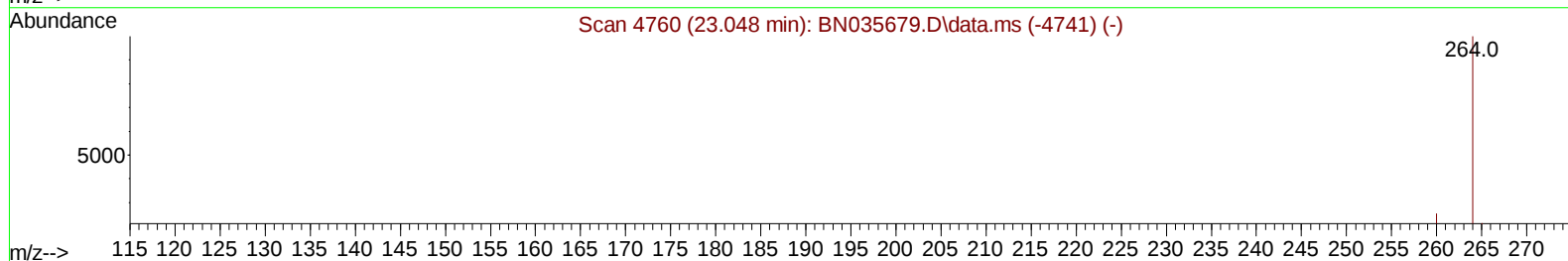
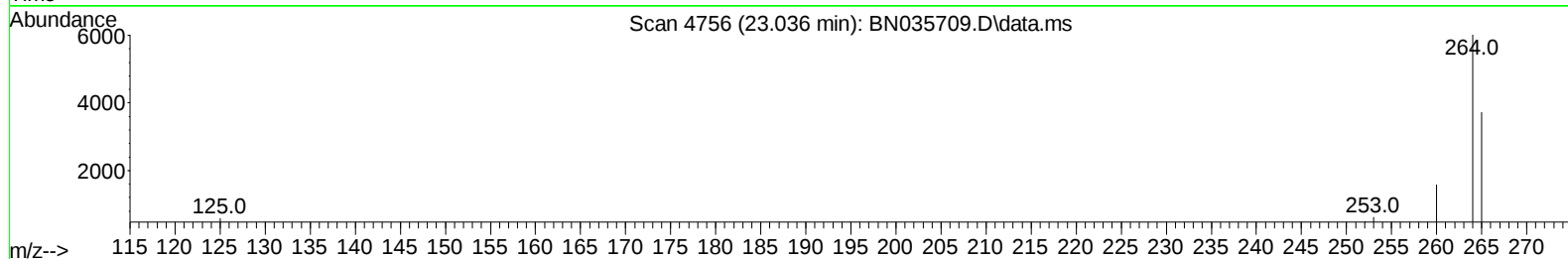
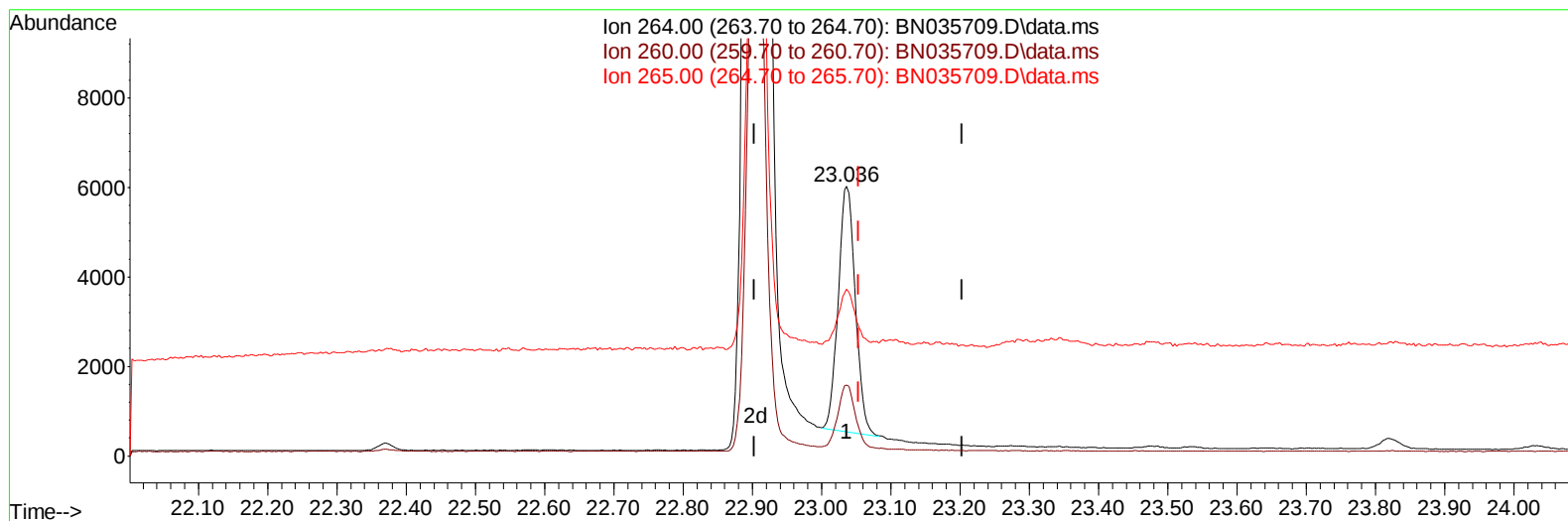
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(23) Perylene-d12 (I)

23.036min (-0.017) 0.40 ng/ul m

response 9432

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	27.40	26.33
265.00	62.10	61.84
0.00	0.00	0.00

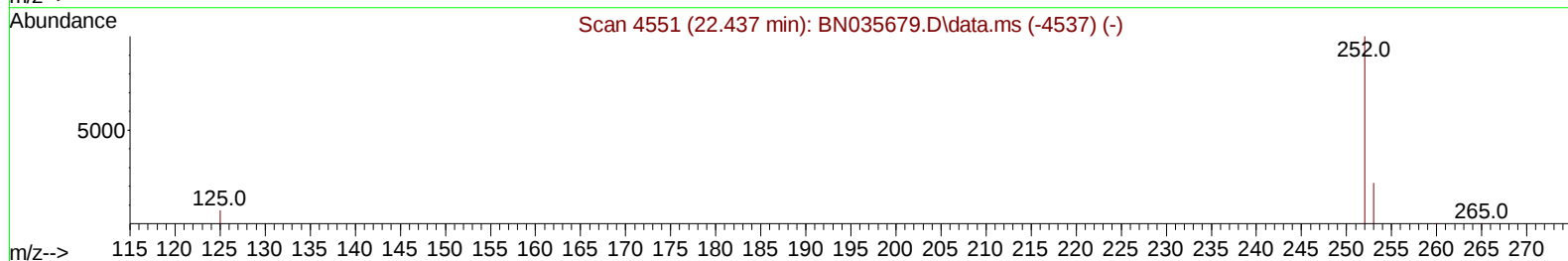
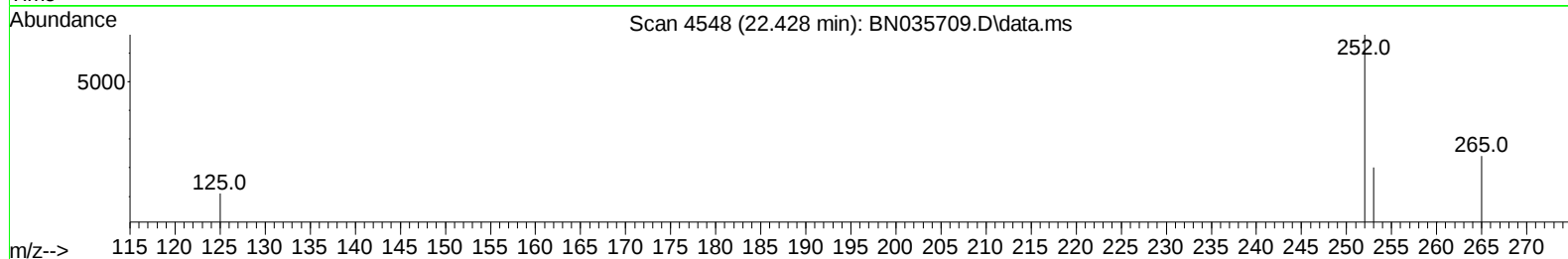
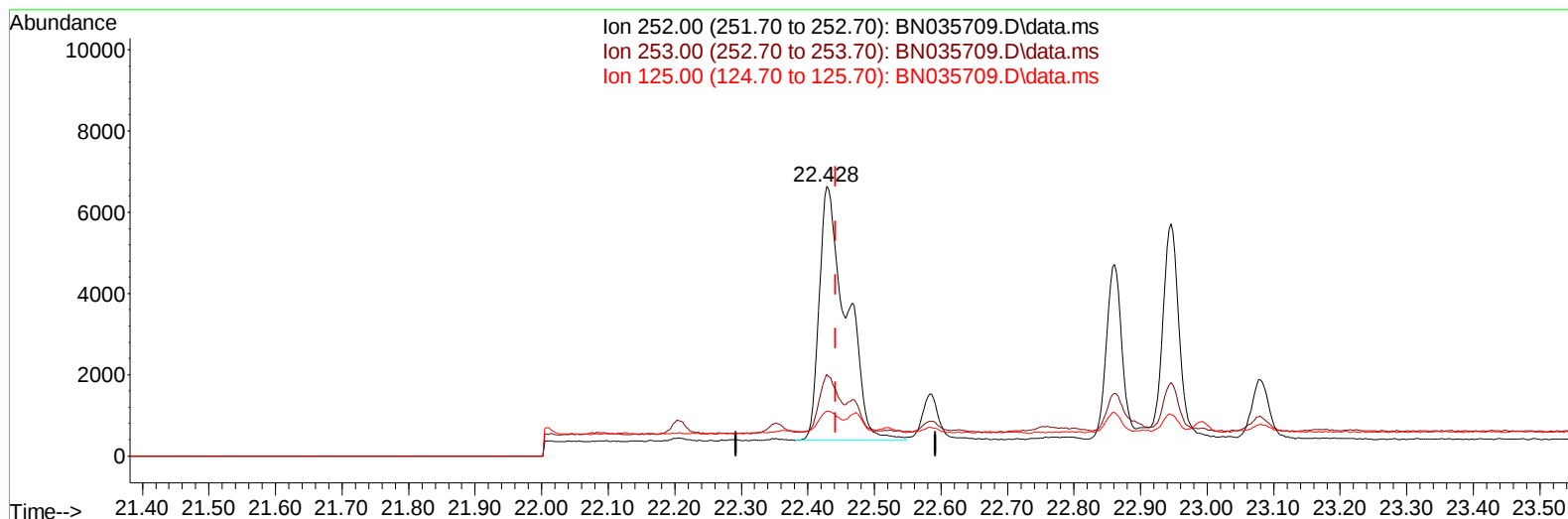
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(24) Benzo(b)fluoranthene

22.428min (-0.014) 0.63 ng/u1

response 17649

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	30.25
125.00	18.80	16.58
0.00	0.00	0.00

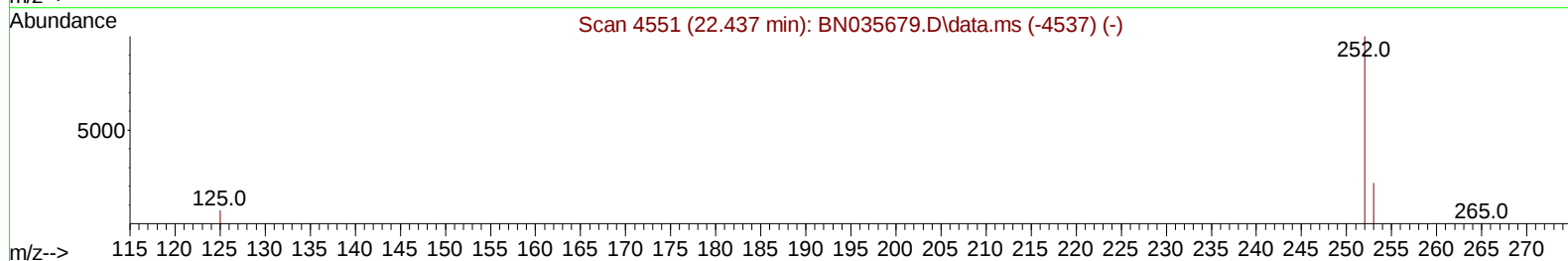
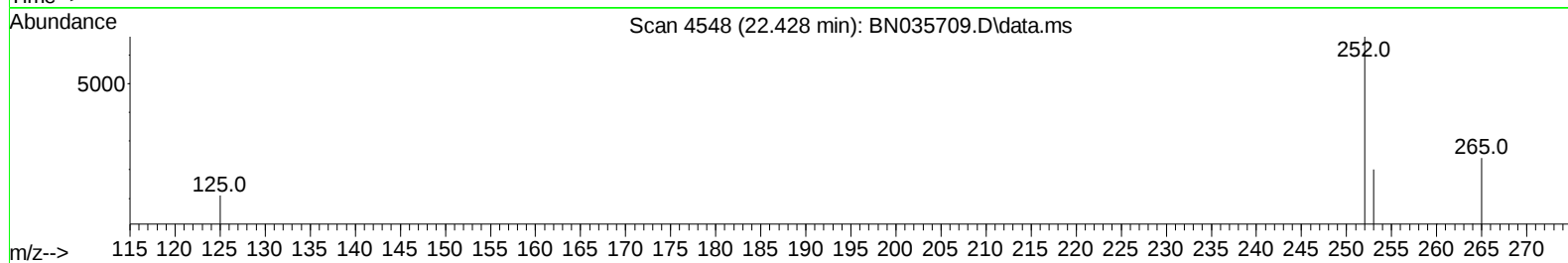
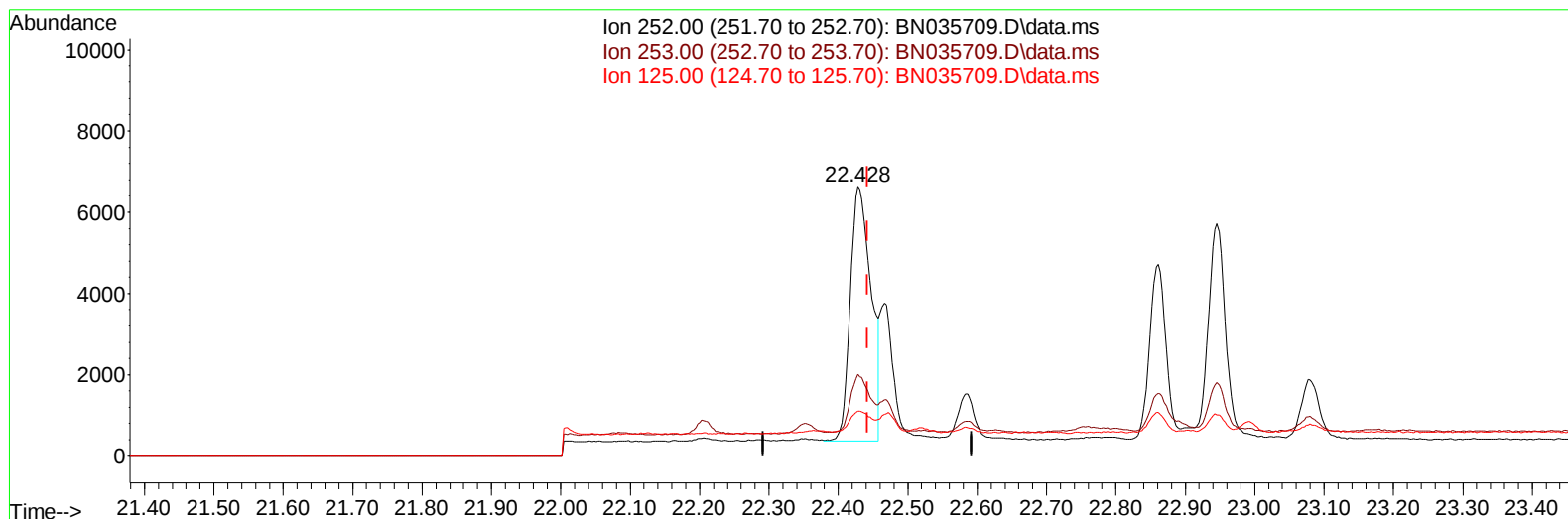
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(24) Benzo(b)fluoranthene

22.428min (-0.014) 0.47 ng/u1 m

response 13052

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	28.20	30.25
125.00	18.80	16.58
0.00	0.00	0.00

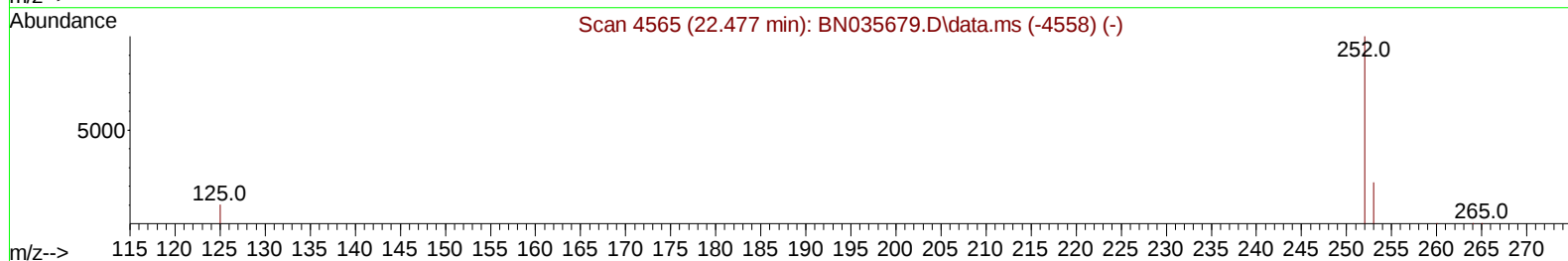
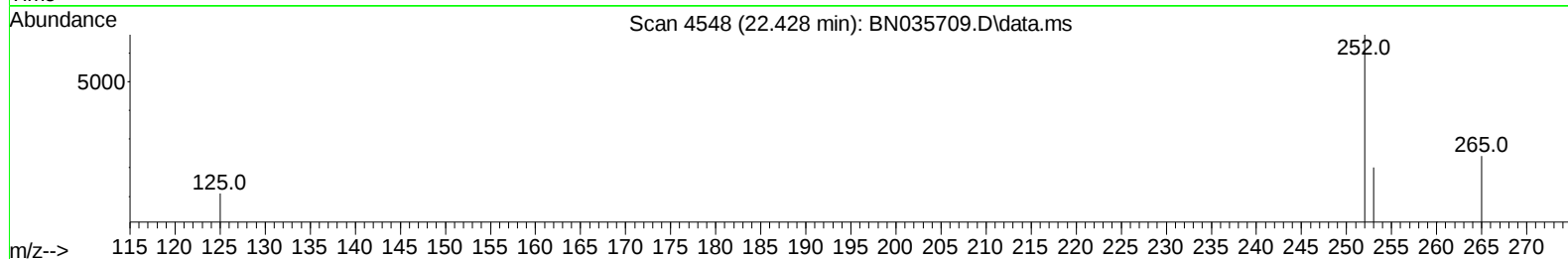
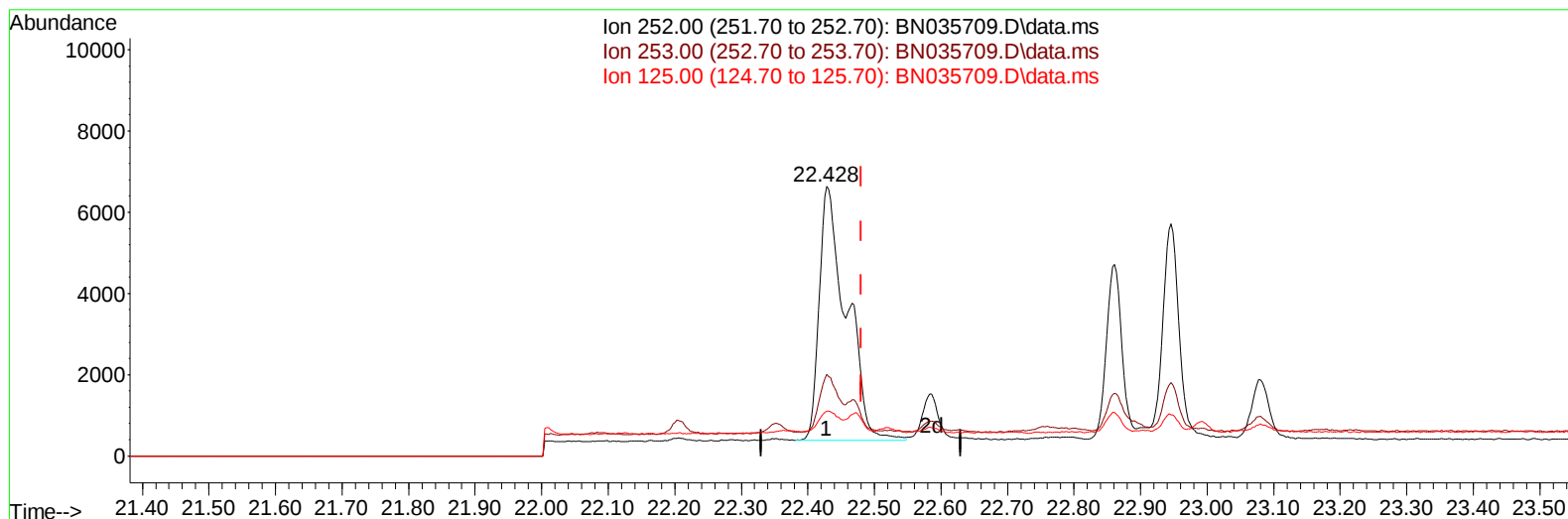
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(25) Benzo(k)fluoranthene

22.428min (-0.052) 0.57 ng/u1

response 17649

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	30.25
125.00	19.10	16.58
0.00	0.00	0.00

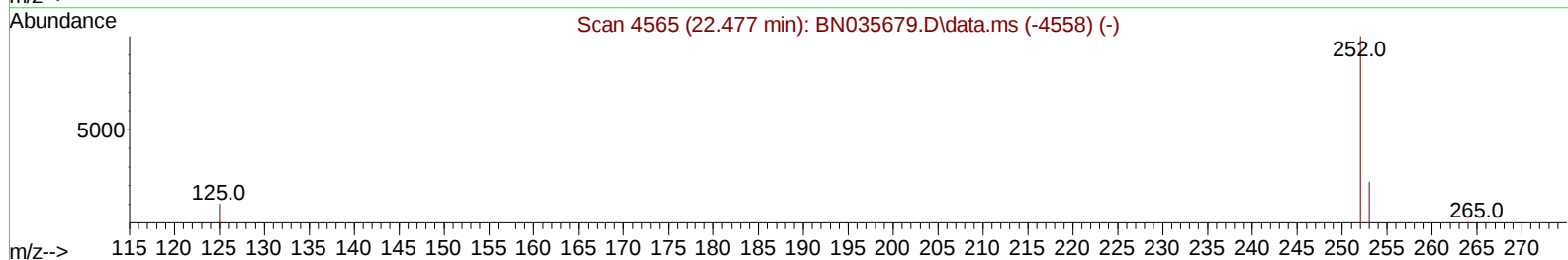
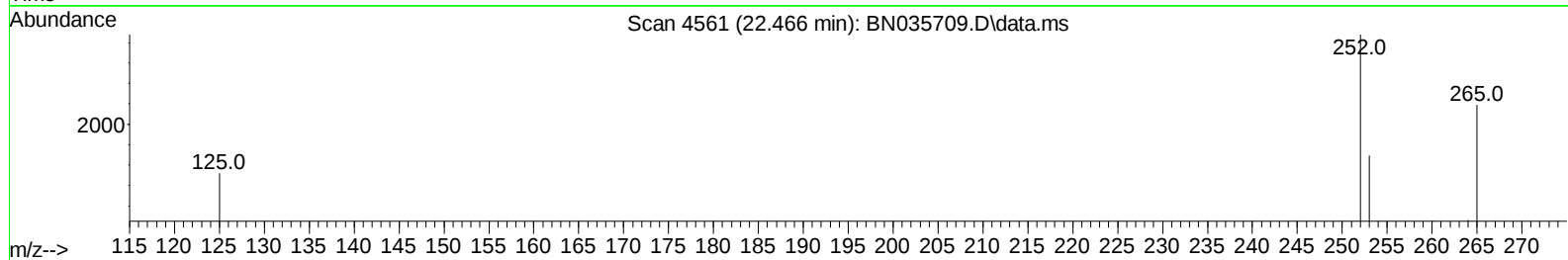
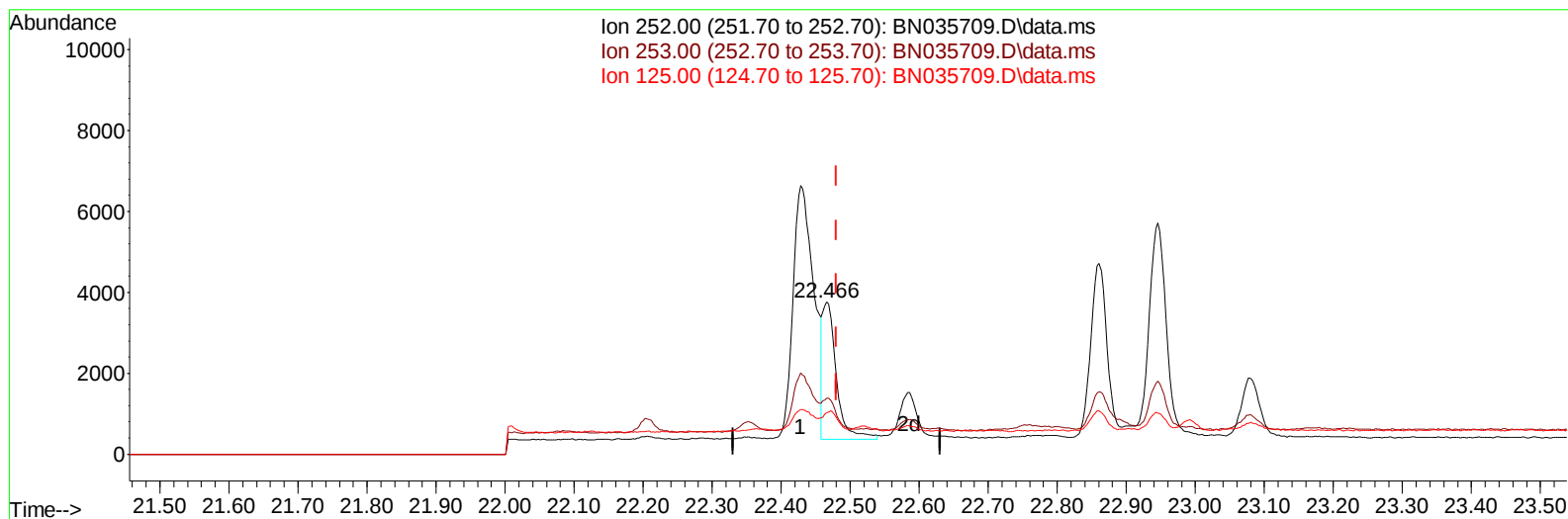
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(25) Benzo(k)fluoranthene

22.466min (-0.014) 0.15 ng/u1 m

response 4691

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.60	36.82#
125.00	19.10	27.53#
0.00	0.00	0.00

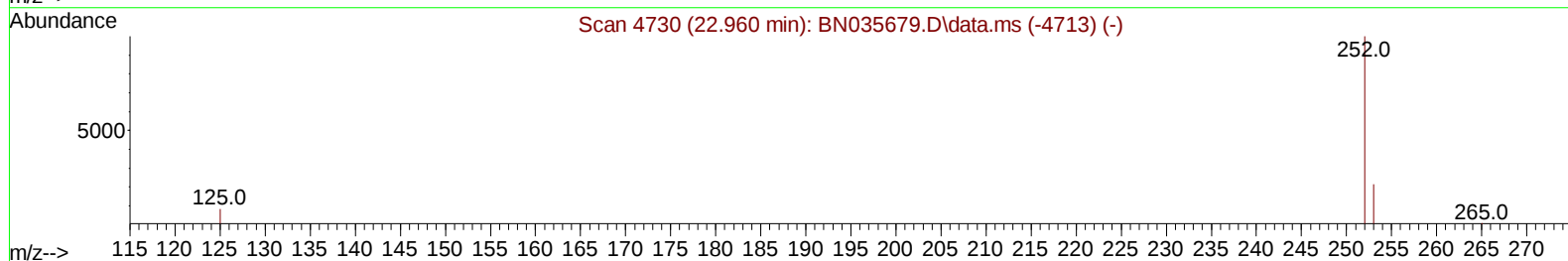
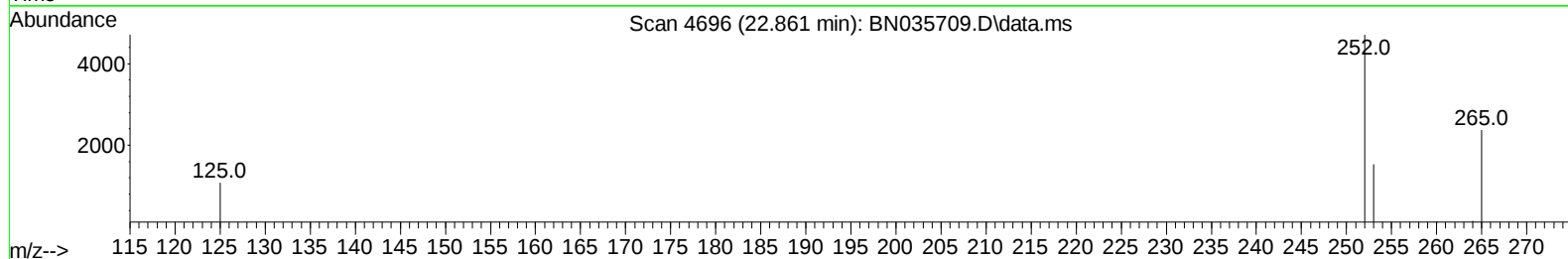
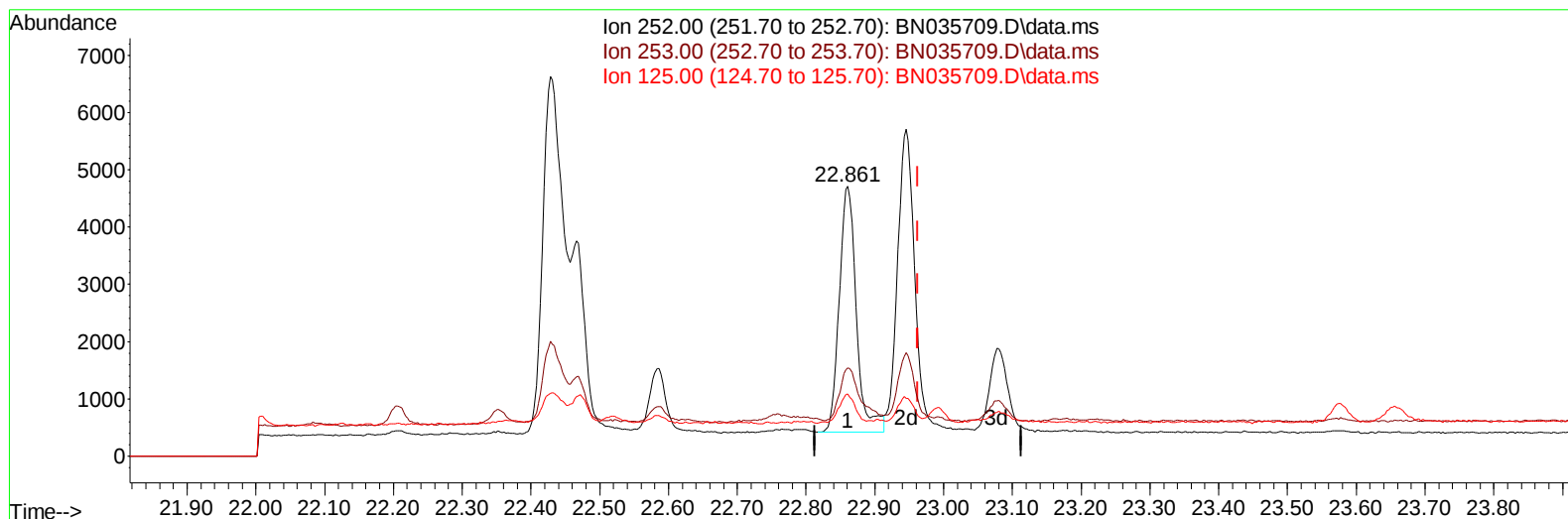
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(26) Benzo(a)pyrene (C)

22.861min (-0.102) 0.28 ng/u1

response 7448

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	32.60
125.00	23.90	22.93
0.00	0.00	0.00

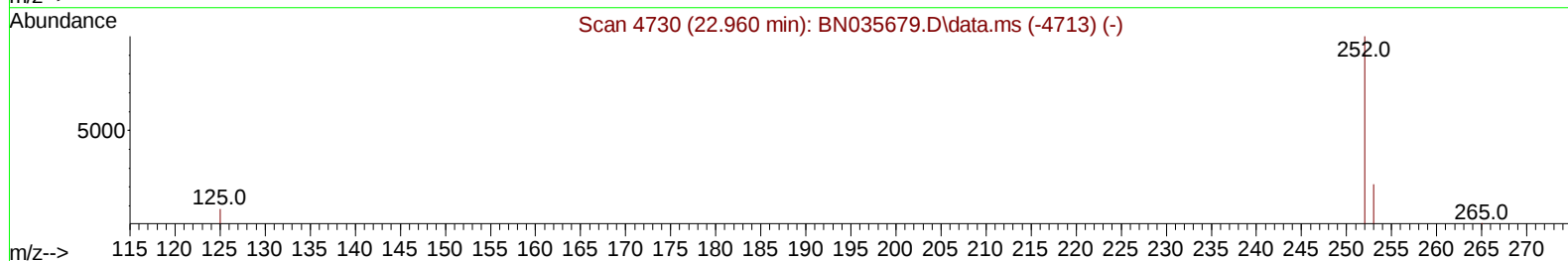
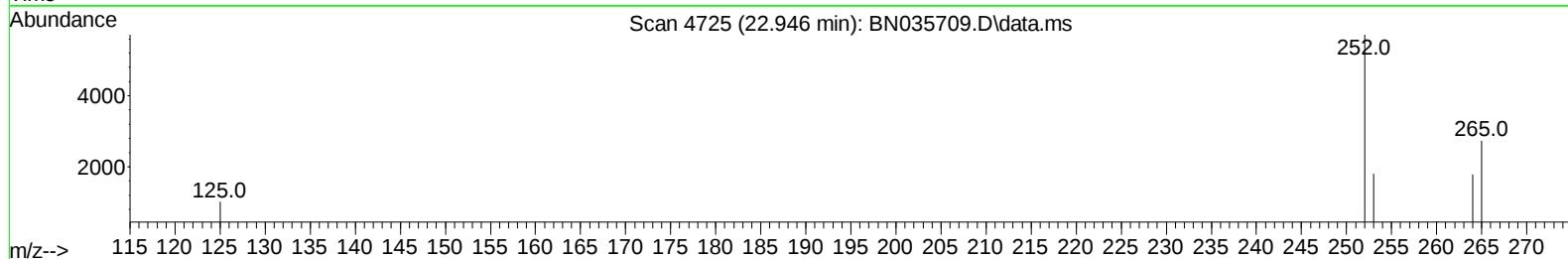
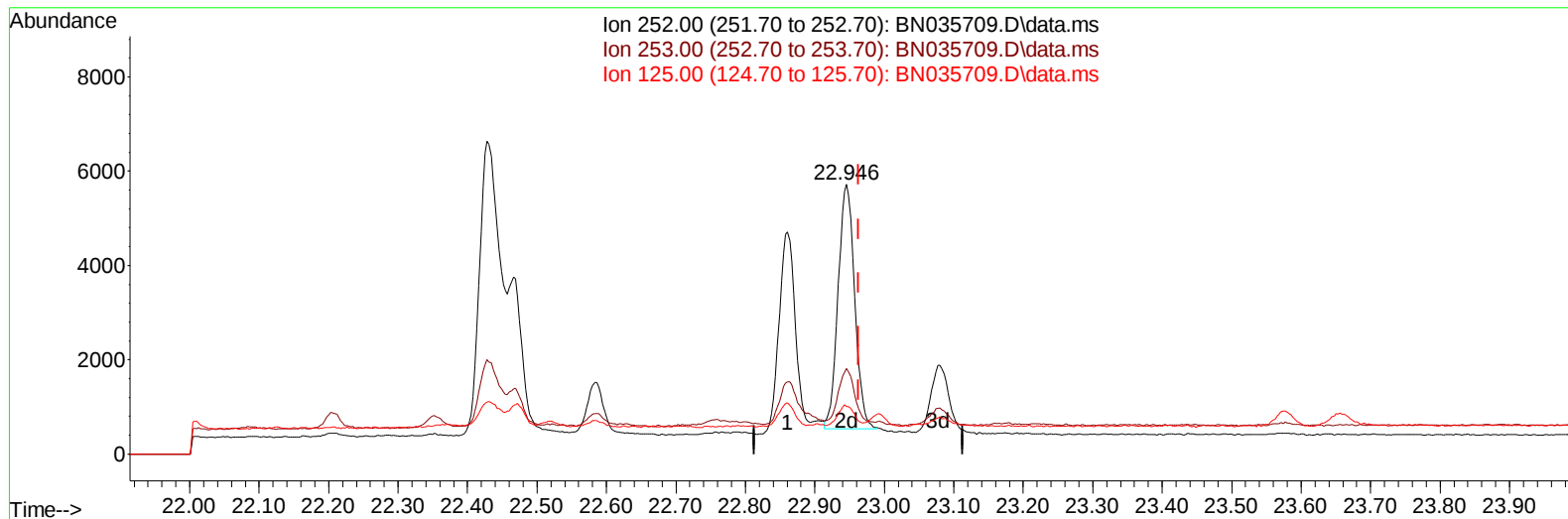
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(26) Benzo(a)pyrene (C)

22.946min (-0.017) 0.32 ng/u1 m

response 8600

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	30.10	31.62
125.00	23.90	17.68#
0.00	0.00	0.00

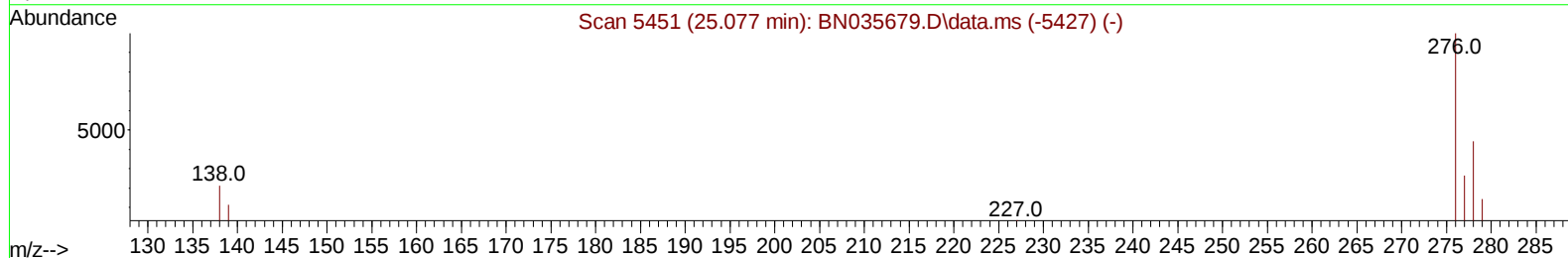
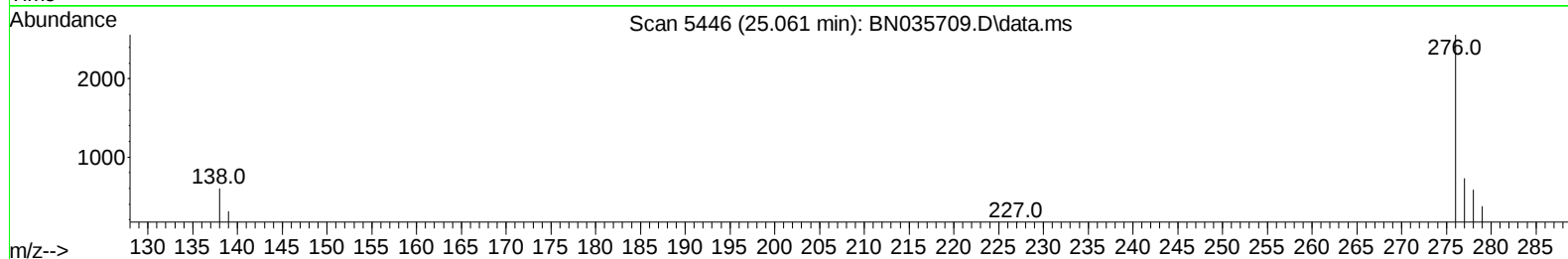
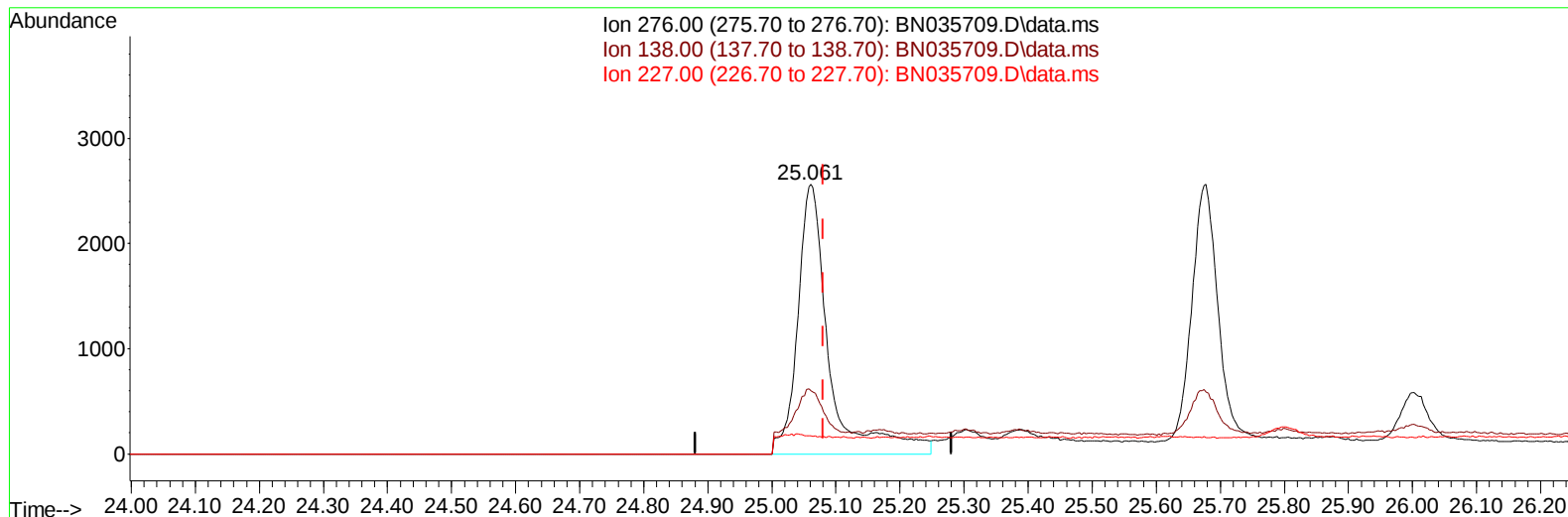
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

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

25.061min (-0.020) 0.27 ng/u1

response 8692

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	47.73#
227.00	27.00	0.00#
0.00	0.00	0.00

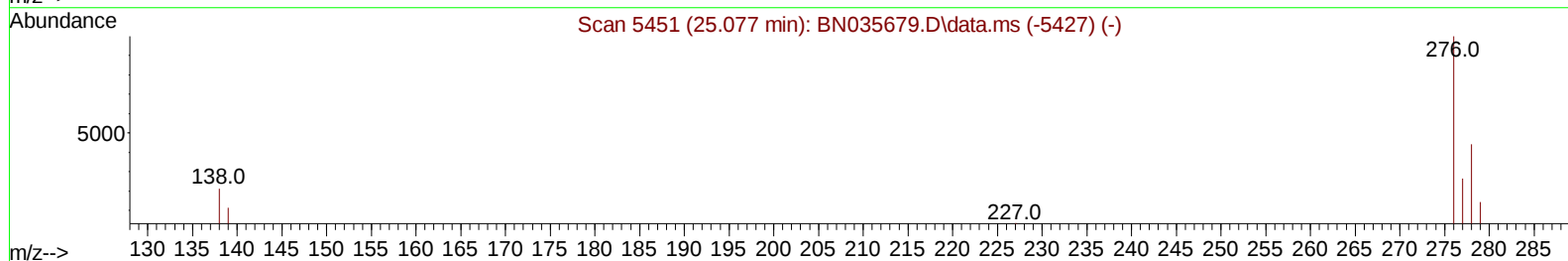
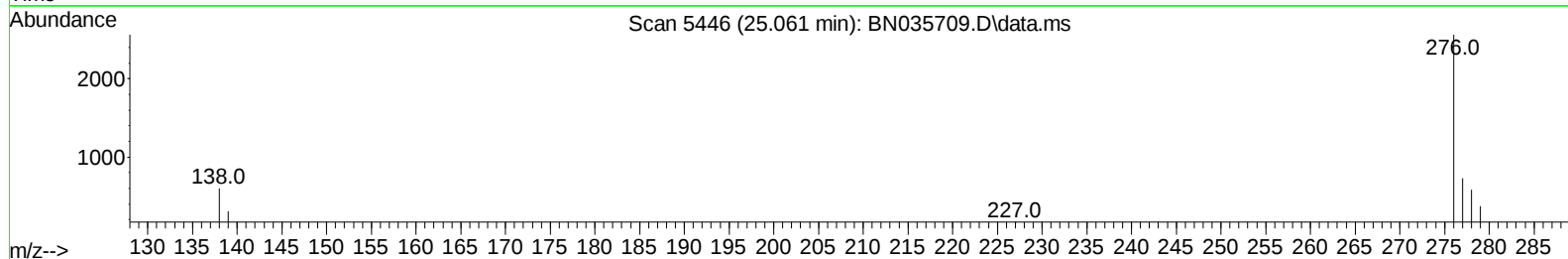
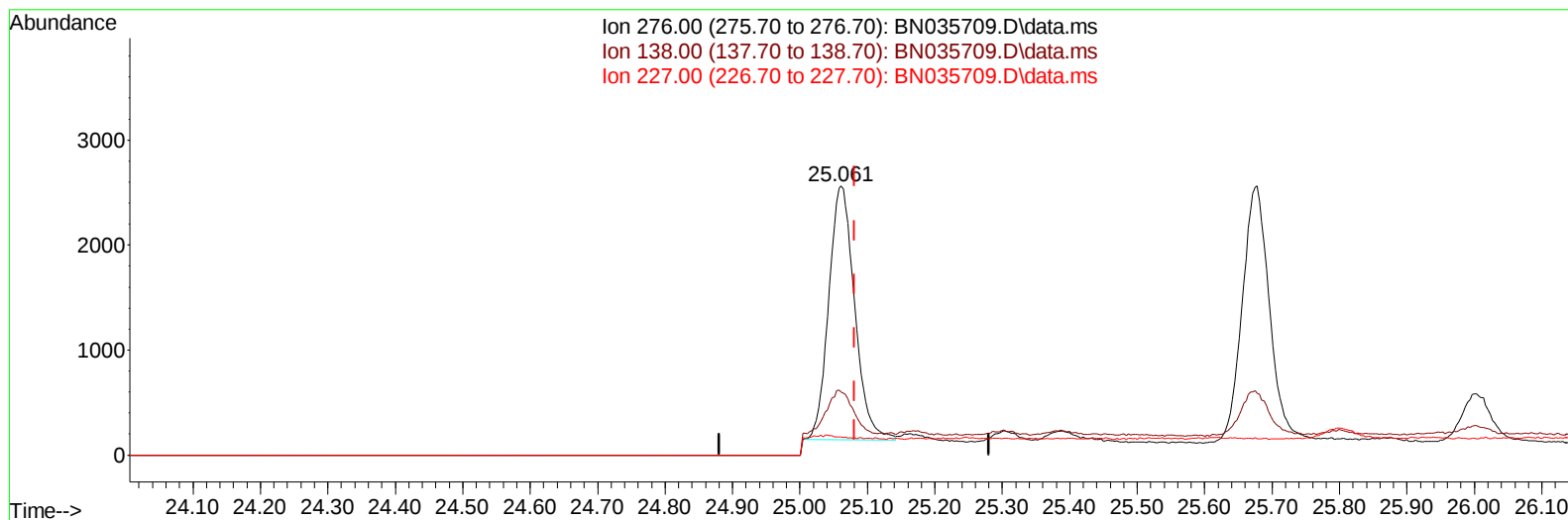
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

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

25.061min (-0.020) 0.20 ng/u1 m

response 6457

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	18.40	64.26#
227.00	27.00	0.00#
0.00	0.00	0.00

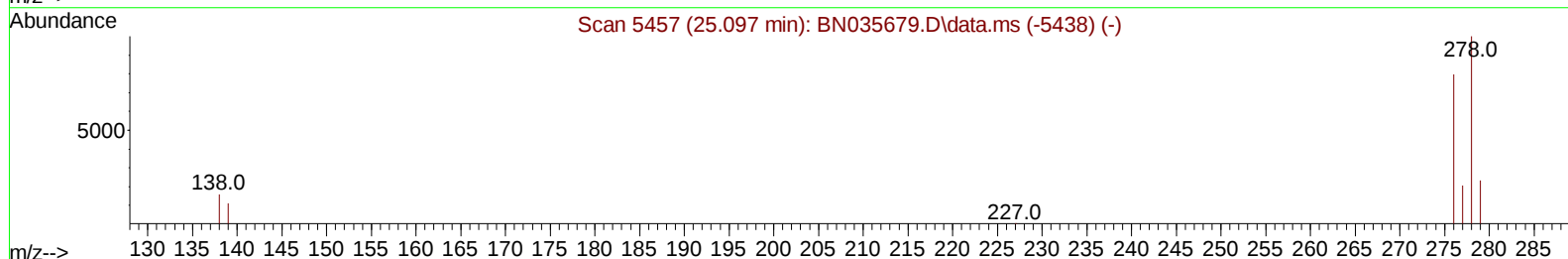
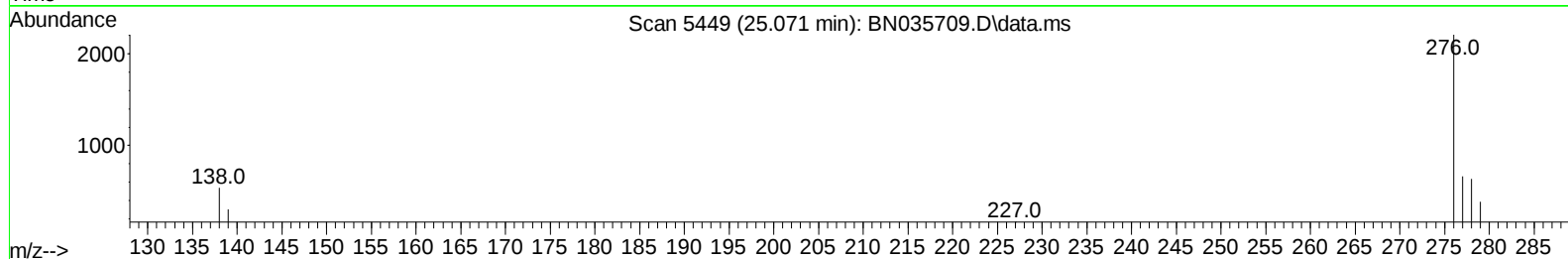
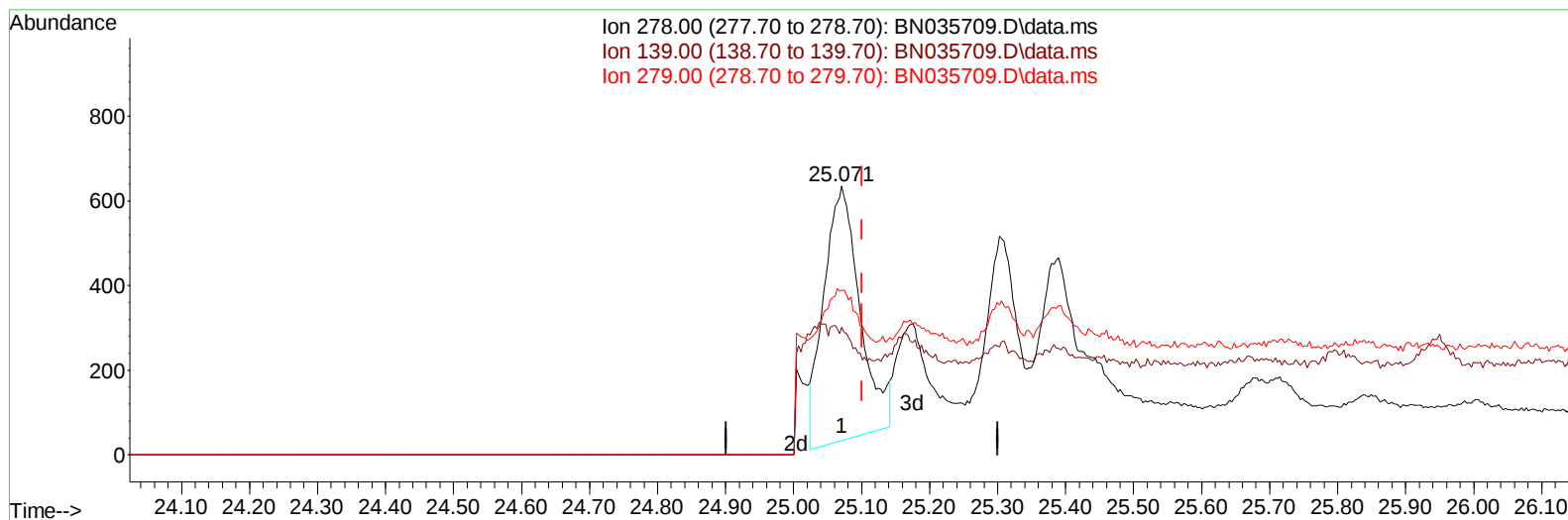
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(28) Dibenzo(a,h)anthracene

25.071min (-0.030) 0.09 ng/u1

response 2209

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	47.40#
279.00	30.00	61.10#
0.00	0.00	0.00

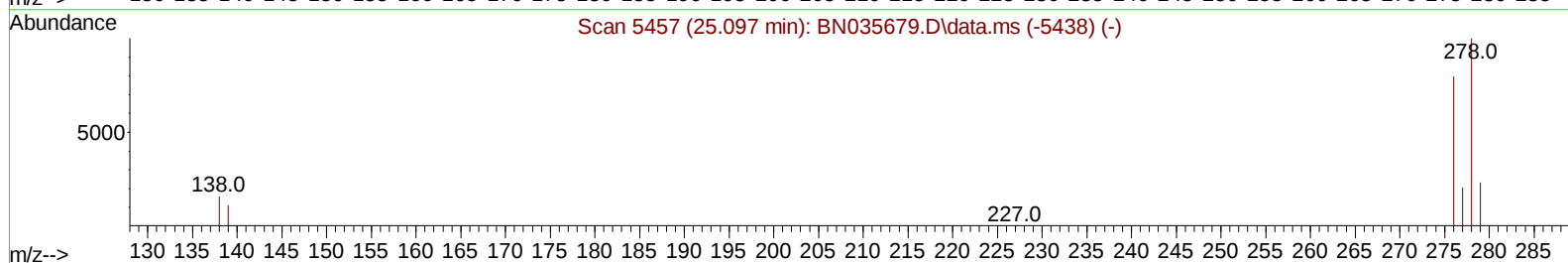
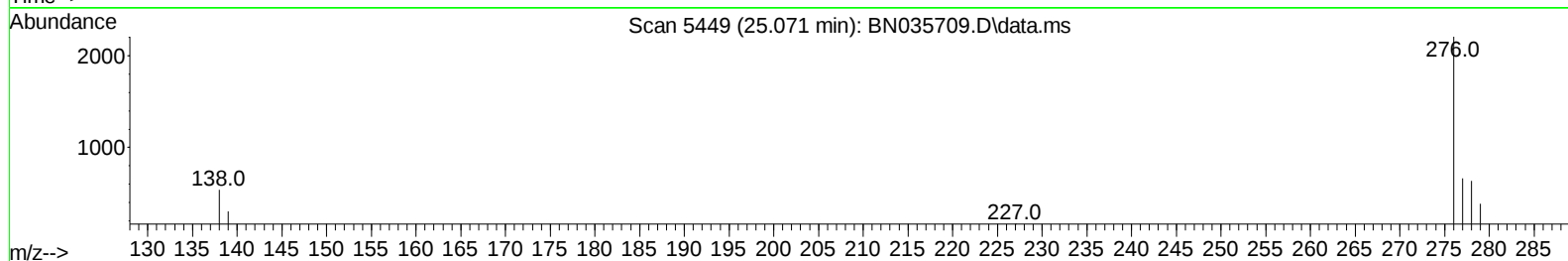
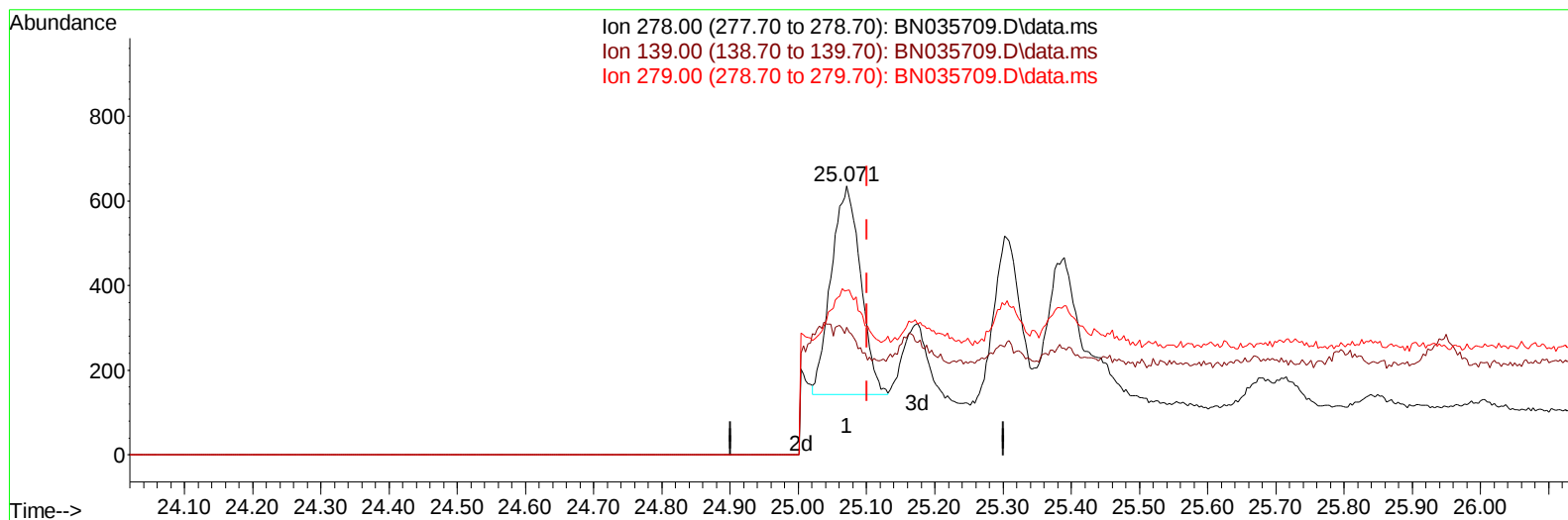
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
Data File : BN035709.D
Acq On : 19 Dec 2024 16:53
Operator : RC/JU
Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
E28X0DL

Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 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 12/21/2024
Supervised By :mohammad ahmed 12/24/2024



TIC: BN035709.D\data.ms

(28) Dibenzo(a,h)anthracene

25.071min (-0.030) 0.06 ng/ul m

response 1475

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	24.80	47.40#
279.00	30.00	61.10#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
 Data File : BN035709.D
 Acq On : 19 Dec 2024 16:53
 Operator : RC/JU
 Sample : P5258-04DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:26:08 2024
 Response via : Initial Calibration

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.276	152		3265	0.400	ng/ul	0.00
4) Naphthalene-d8	10.020	136		8065	0.400	ng/ul	-0.01
9) Acenaphthene-d10	13.935	164		5712	0.400	ng/ul	-0.01
13) Phenanthrene-d10	16.705	188		11068	0.400	ng/ul	-0.01
17) Chrysene-d12	20.953	240		9246	0.400	ng/ul	-0.01
23) Perylene-d12	23.036	264		9432m	0.400	ng/ul	-0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	2.951	96		3479	1.202	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.626	152		850	0.074	ng/ul	-0.01
18) Fluoranthene-d10	18.758	212		1589	0.059	ng/ul	0.00
Target Compounds							
							Qvalue
5) Naphthalene	10.064	128		518m	0.026	ng/ul	
7) 2-Methylnaphthalene	11.703	142		289	0.022	ng/ul	97
10) Acenaphthylene	13.648	152		598	0.027	ng/ul#	72
11) Acenaphthene	14.000	153		550	0.033	ng/ul	96
12) Fluorene	15.004	166		554	0.028	ng/ul#	93
15) Phenanthrene	16.747	178		10123	0.365	ng/ul	99
16) Anthracene	16.840	178		2415	0.093	ng/ul#	93
19) Fluoranthene	18.791	202		19363	0.586	ng/ul	99
20) Pyrene	19.158	202		17933	0.492	ng/ul	99
21) Benzo(a)anthracene	20.938	228		8444	0.275	ng/ul	97
22) Chrysene	20.988	228		9562	0.301	ng/ul	97
24) Benzo(b)fluoranthene	22.428	252		13052m	0.470	ng/ul	
25) Benzo(k)fluoranthene	22.466	252		4691m	0.153	ng/ul	
26) Benzo(a)pyrene	22.946	252		8600m	0.319	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.061	276		6457m	0.197	ng/ul	
28) Dibenzo(a,h)anthracene	25.071	278		1475m	0.059	ng/ul	
29) Benzo(g,h,i)perylene	25.678	276		7169	0.273	ng/ul	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121824\
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Sample : P5258-04DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Dec 19 17:24:47 2024
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