

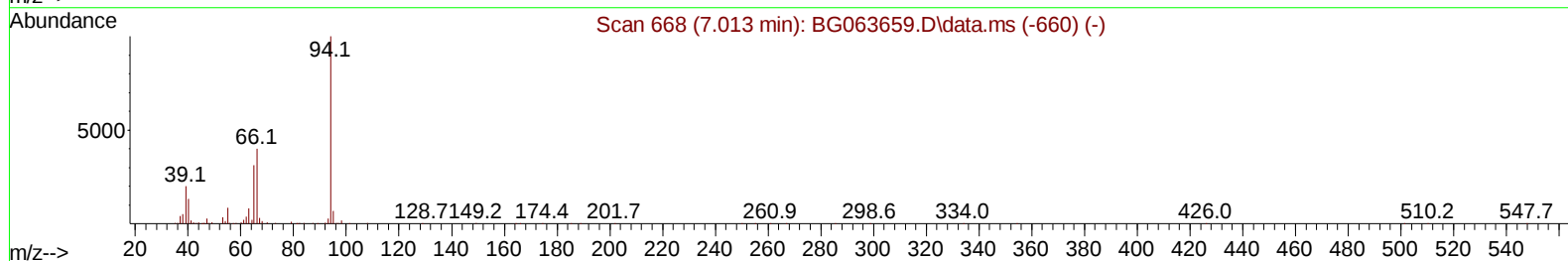
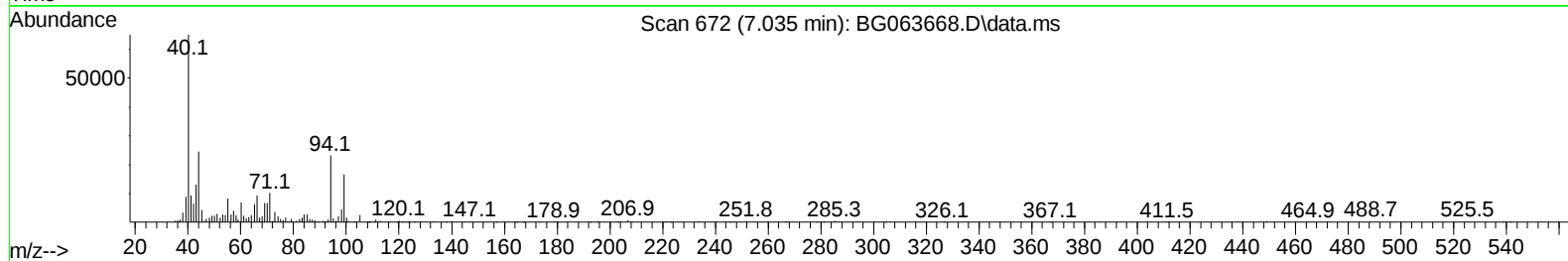
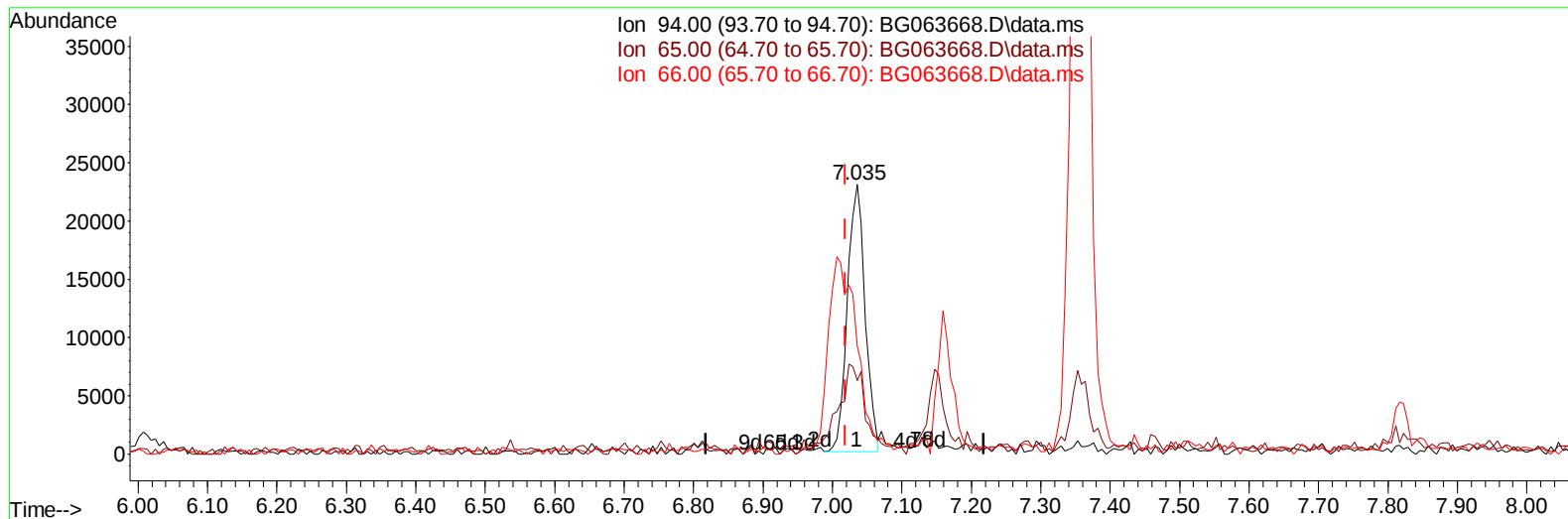
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:11:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(8) Phenol

7.035min (+ 0.017) 1.70 ng/u1

response 40411

Ion	Exp%	Act%
94.00	100.00	100.00
65.00	32.00	27.32
66.00	42.70	40.10
0.00	0.00	0.00

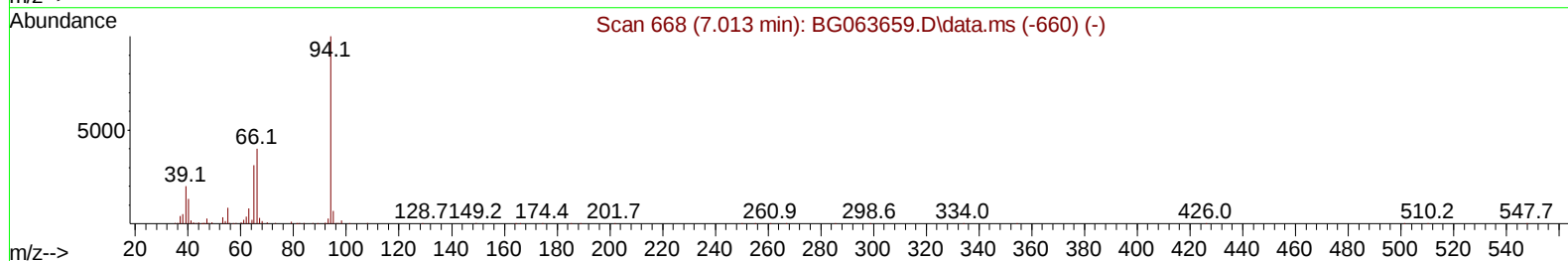
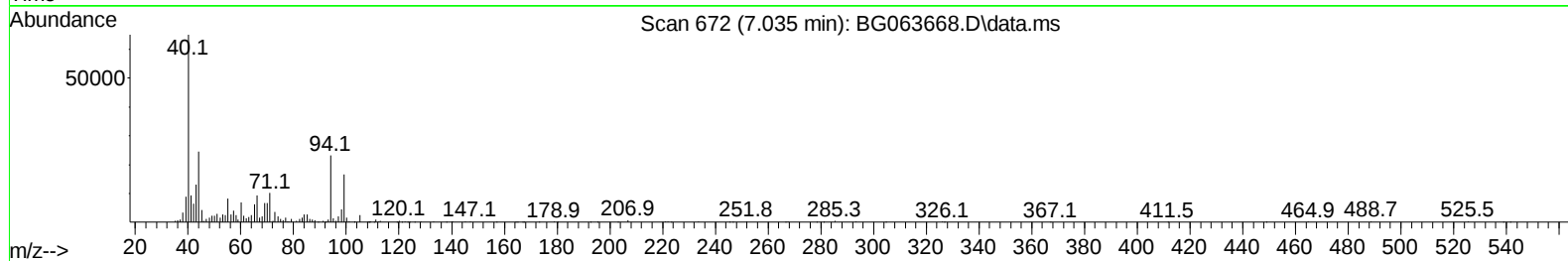
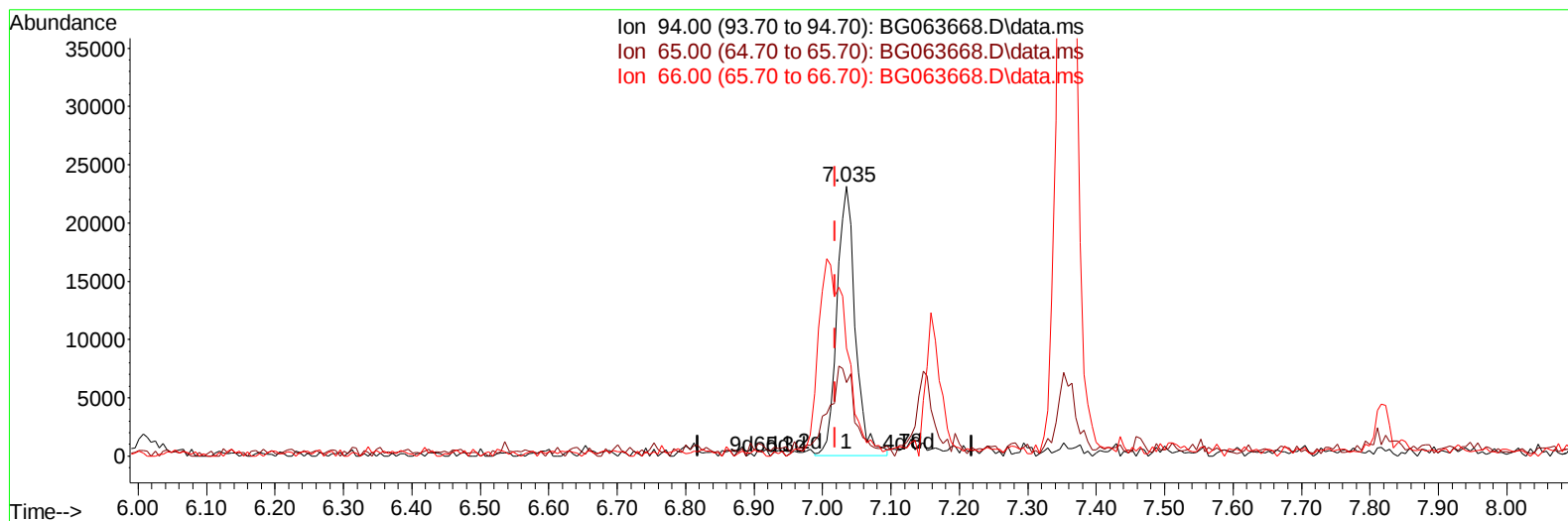
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:11:52 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(8) Phenol

7.035min (+ 0.017) 1.80 ng/ul m

response 42746

Ion	Exp%	Act%
94.00	100.00	100.00
65.00	32.00	27.32
66.00	42.70	40.10
0.00	0.00	0.00

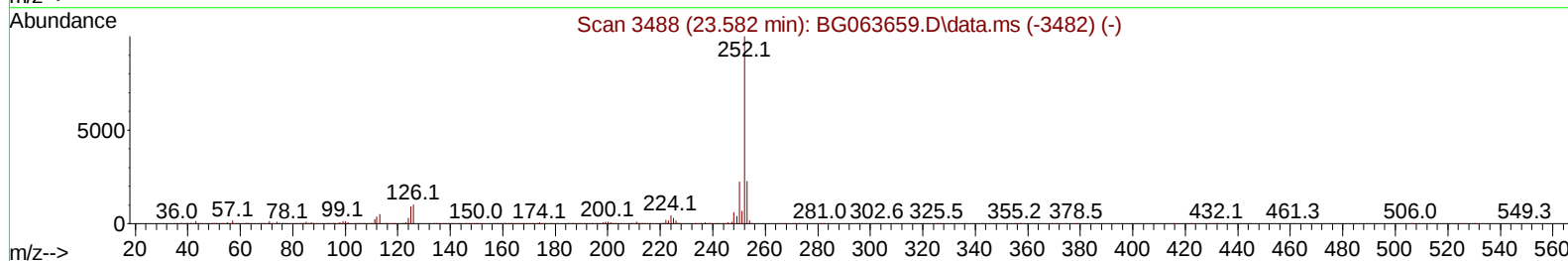
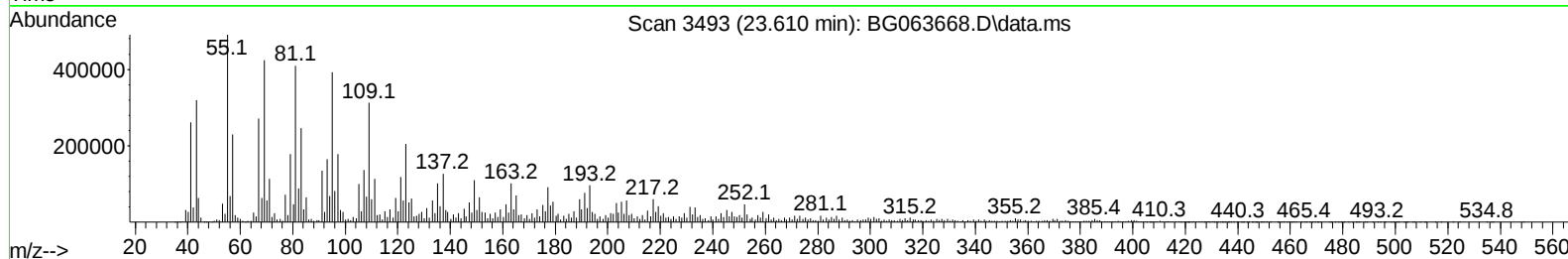
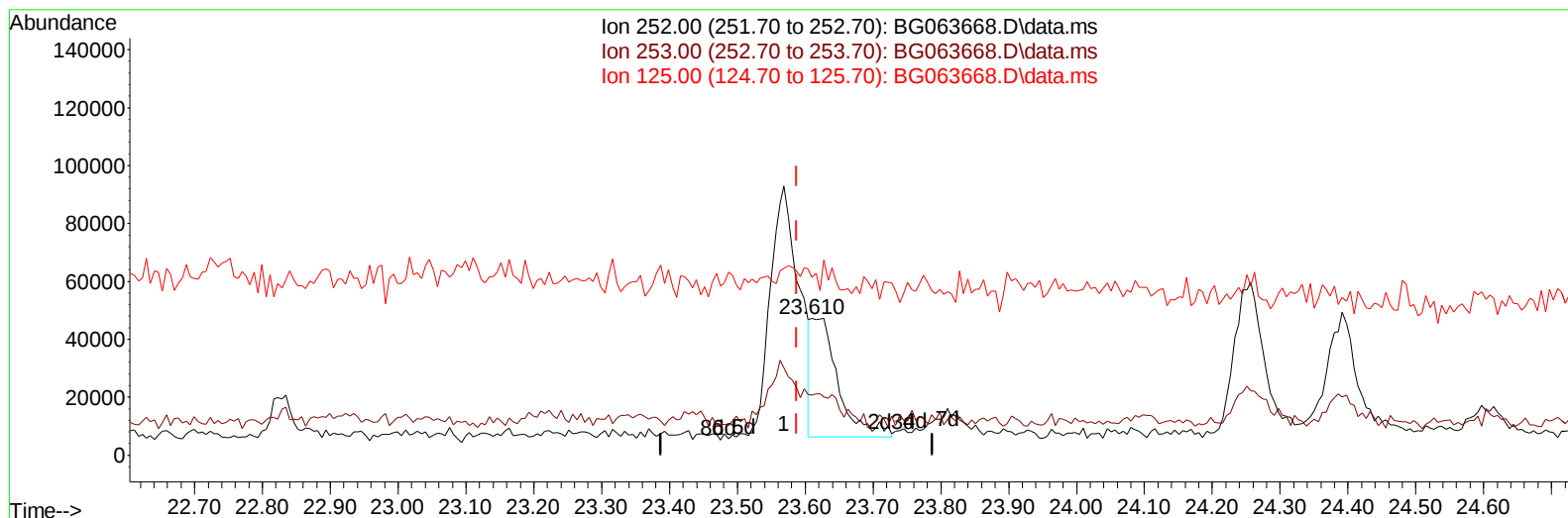
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:38:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(91) Benzo(k)fluoranthene

23.610min (+ 0.023) 2.38 ng/ul m

response 113888

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	43.89#
125.00	8.10	130.44#
0.00	0.00	0.00

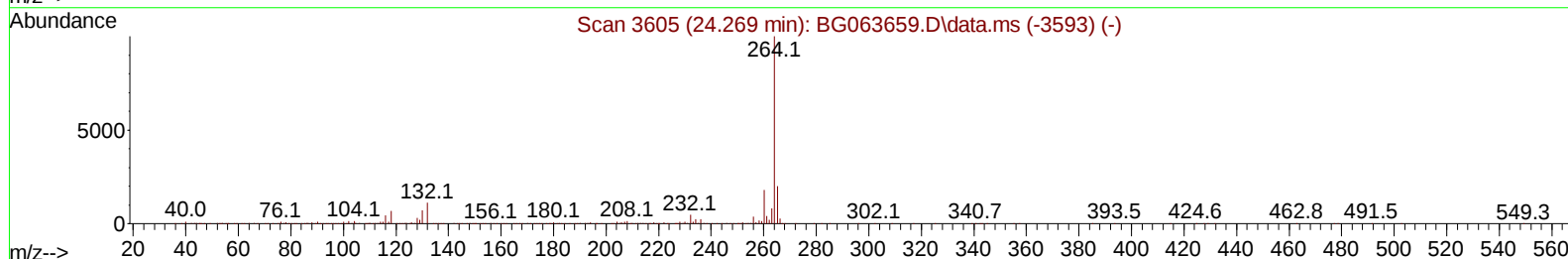
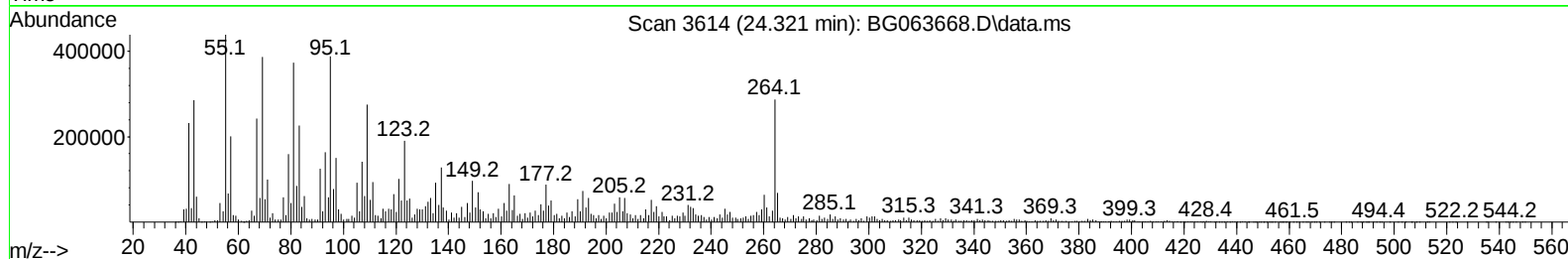
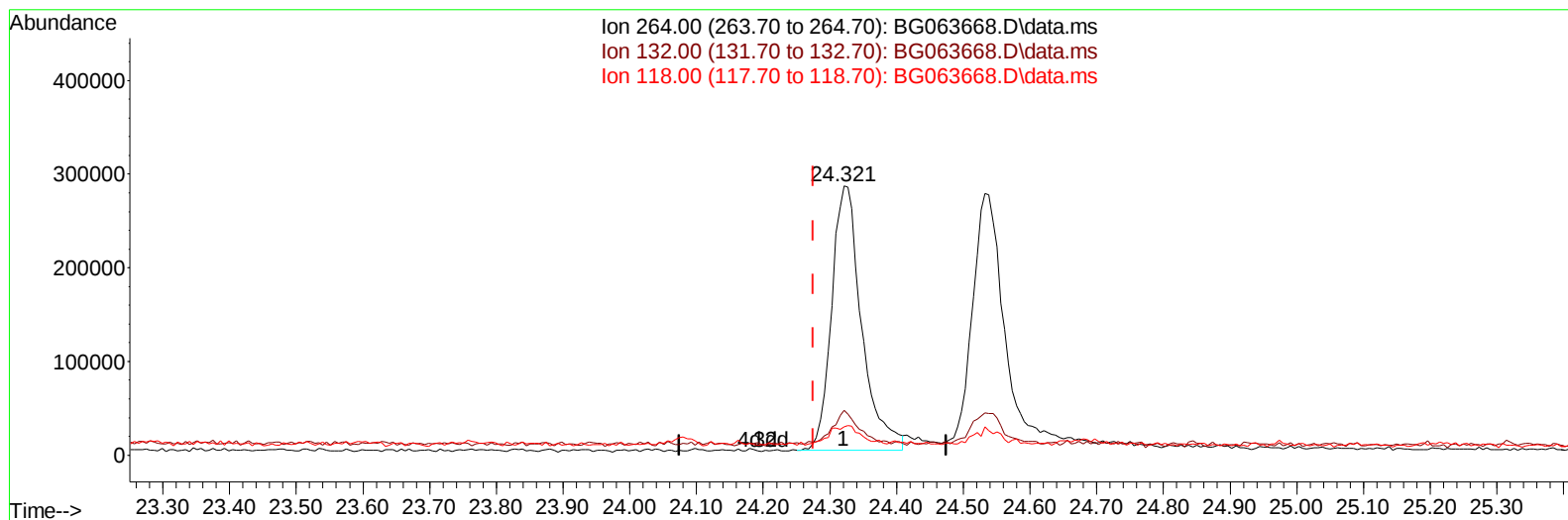
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:38:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

24.321min (+ 0.046) 22.33 ng/u1

response 883915

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	11.70	16.53#
118.00	6.90	10.51#
0.00	0.00	0.00

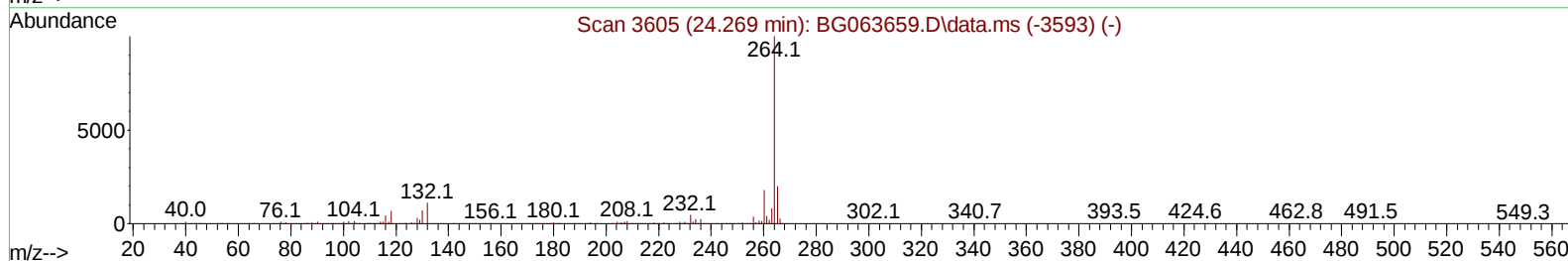
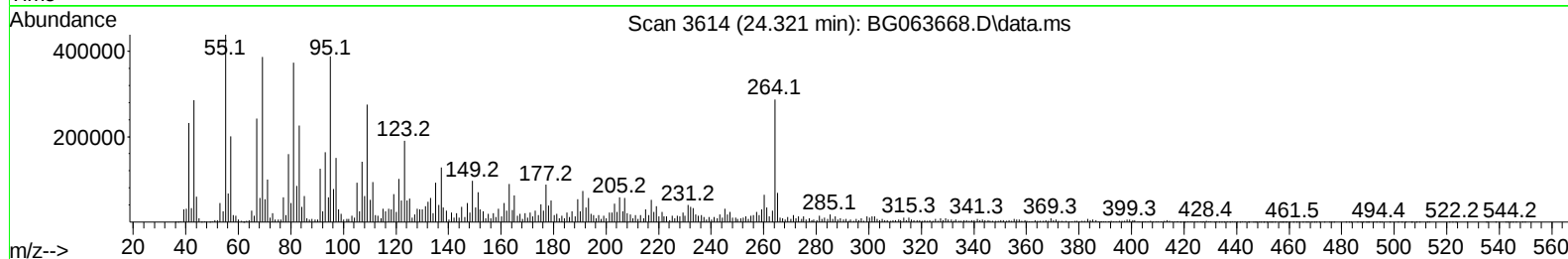
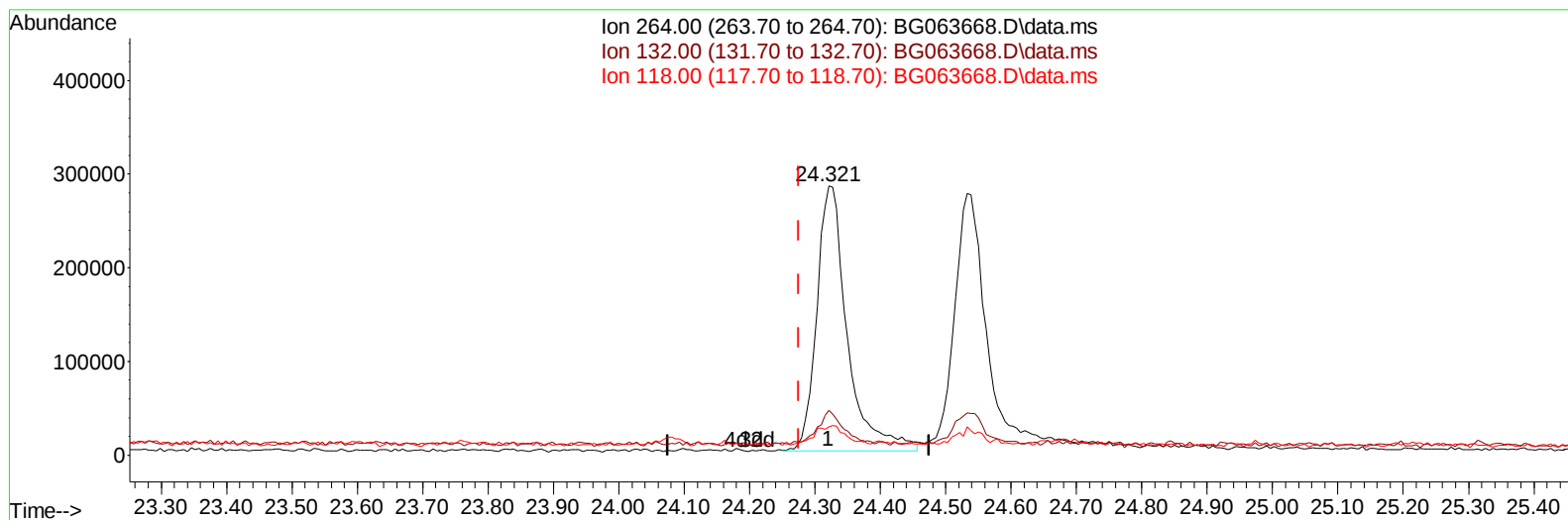
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:38:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

24.321min (+ 0.046) 23.29 ng/ul m

response 921805

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	11.70	16.53#
118.00	6.90	10.51#
0.00	0.00	0.00

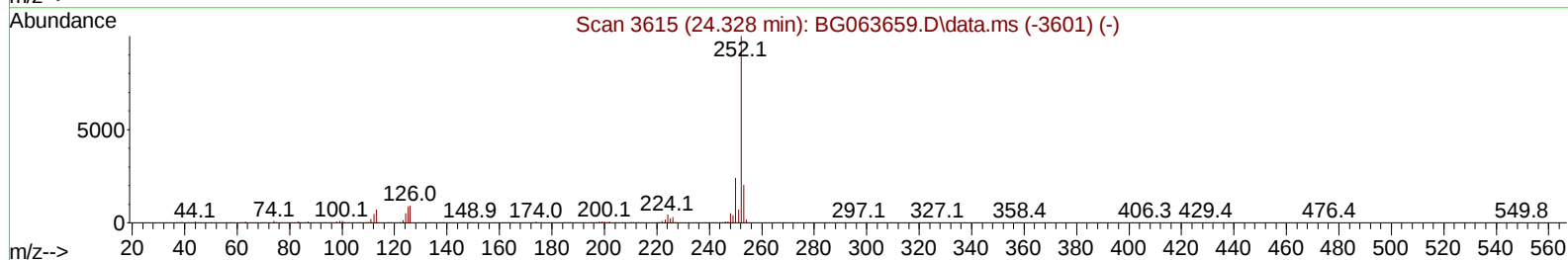
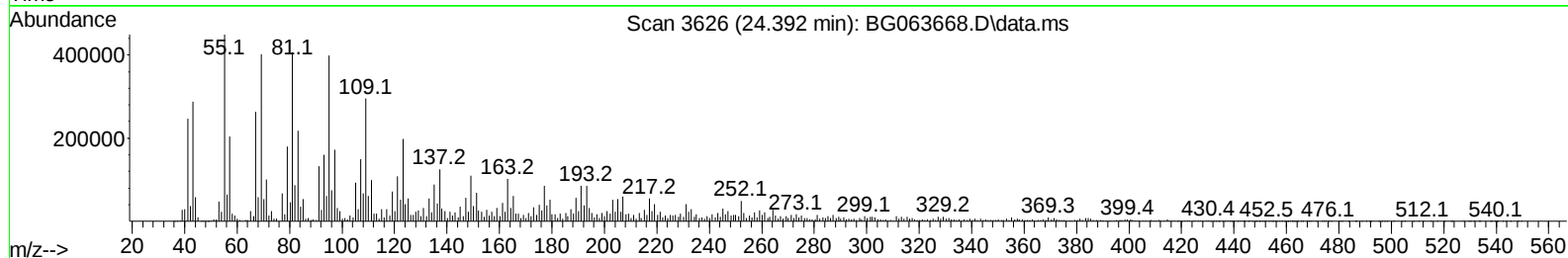
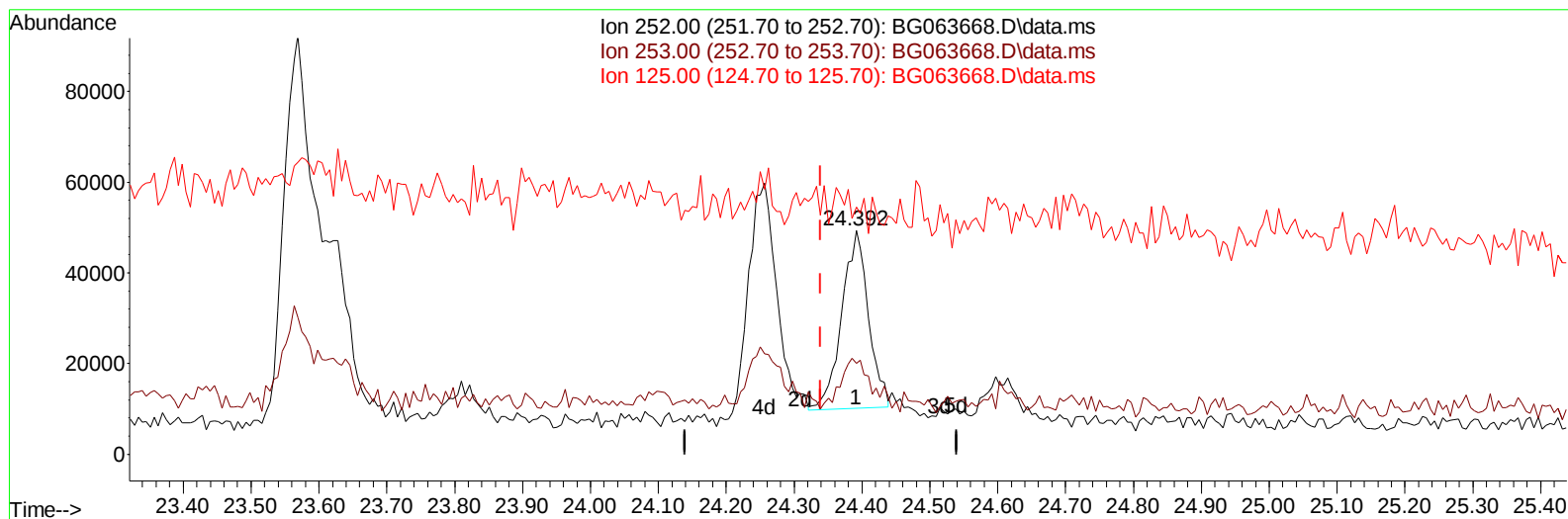
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:40:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(93) Benzo(a)pyrene (C)

24.392min (+ 0.052) 2.37 ng/u1

response 106500

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.70	40.68#
125.00	10.00	110.36#
0.00	0.00	0.00

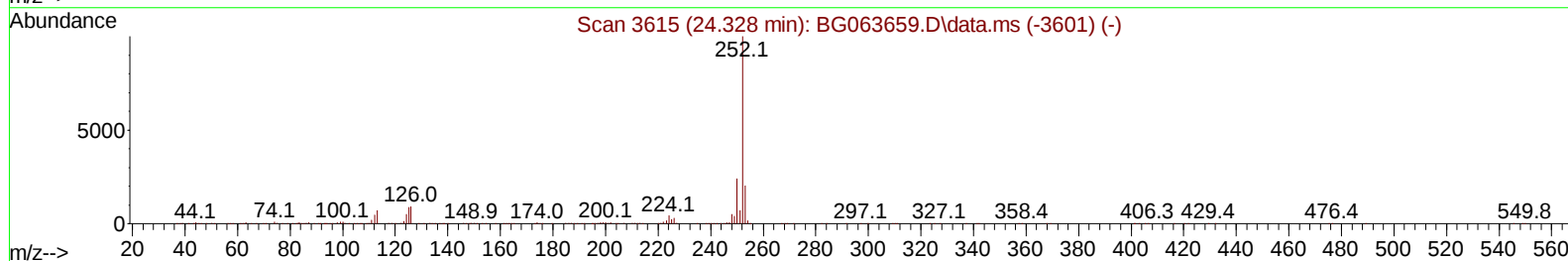
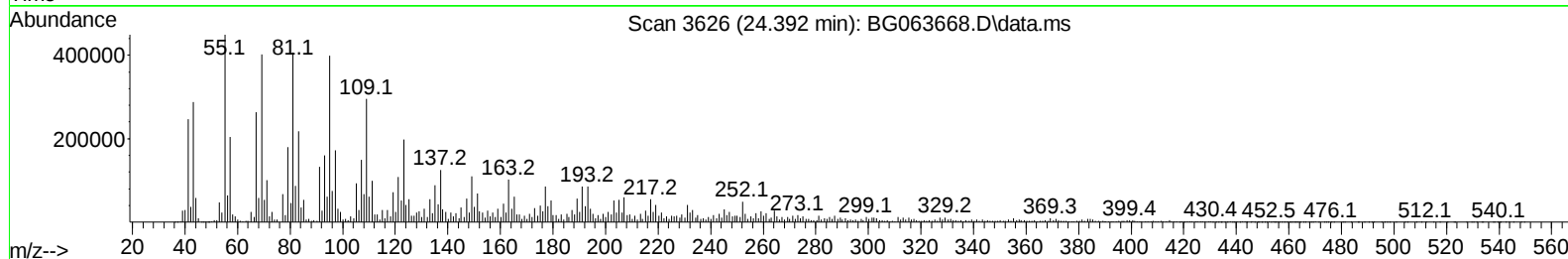
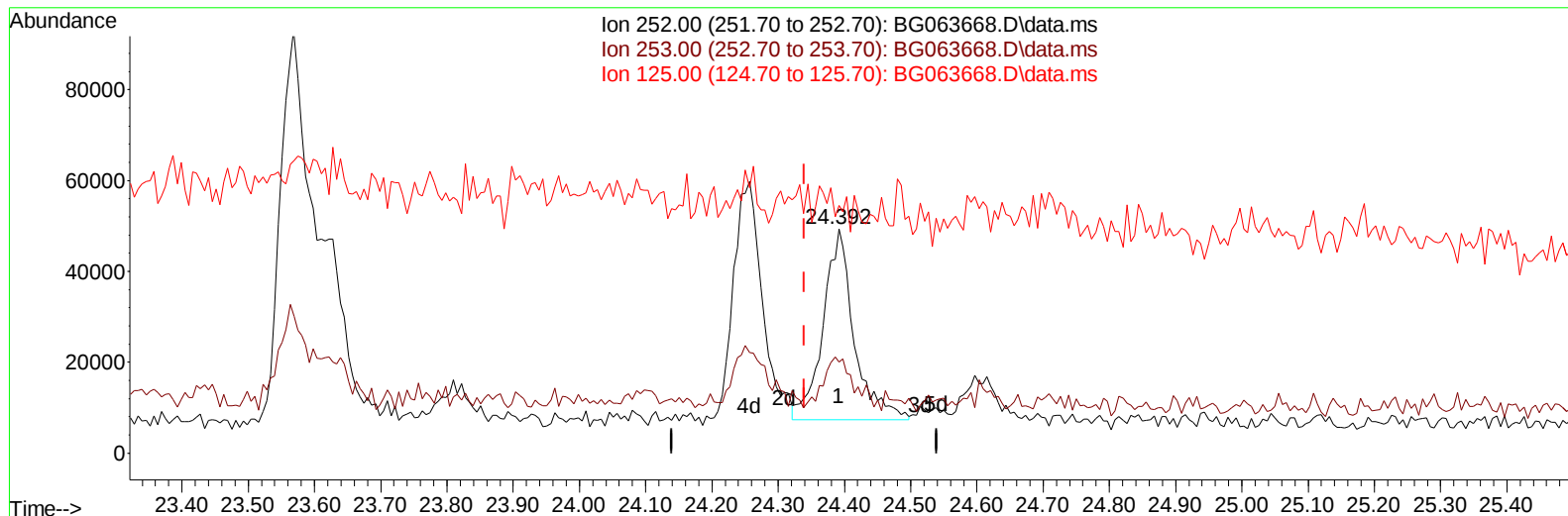
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:40:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(93) Benzo(a)pyrene (C)

24.392min (+ 0.052) 3.02 ng/ul m

response 136003

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	20.70	40.68#
125.00	10.00	110.36#
0.00	0.00	0.00

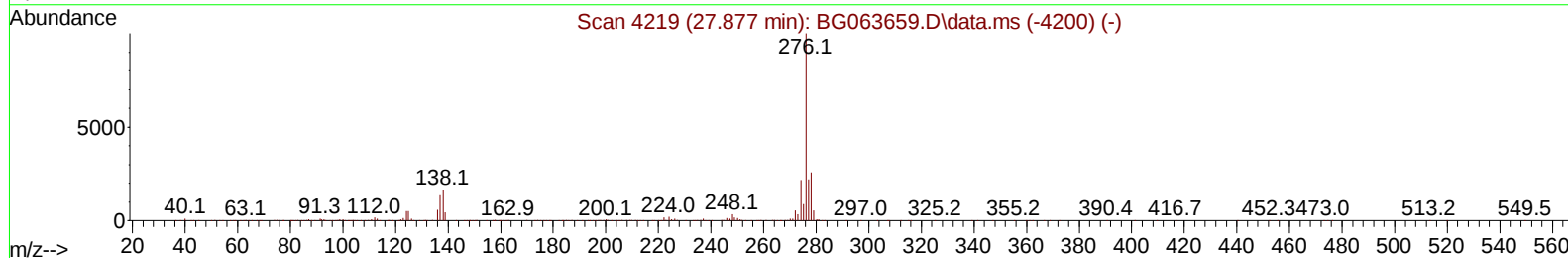
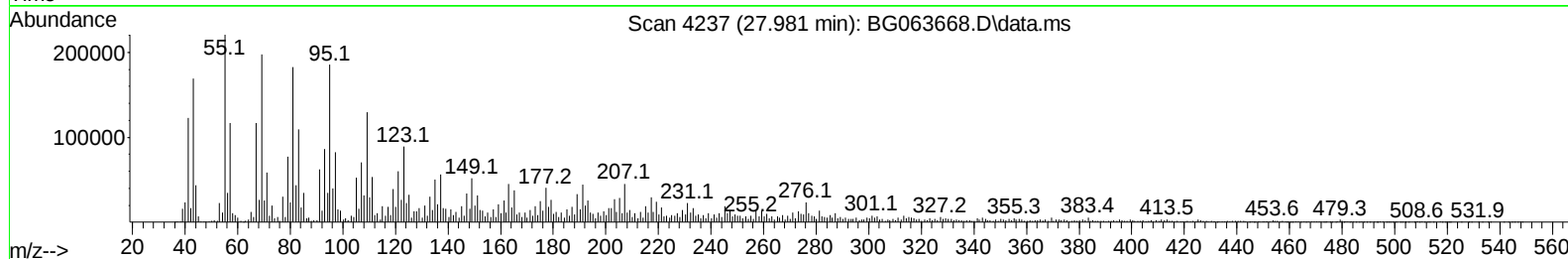
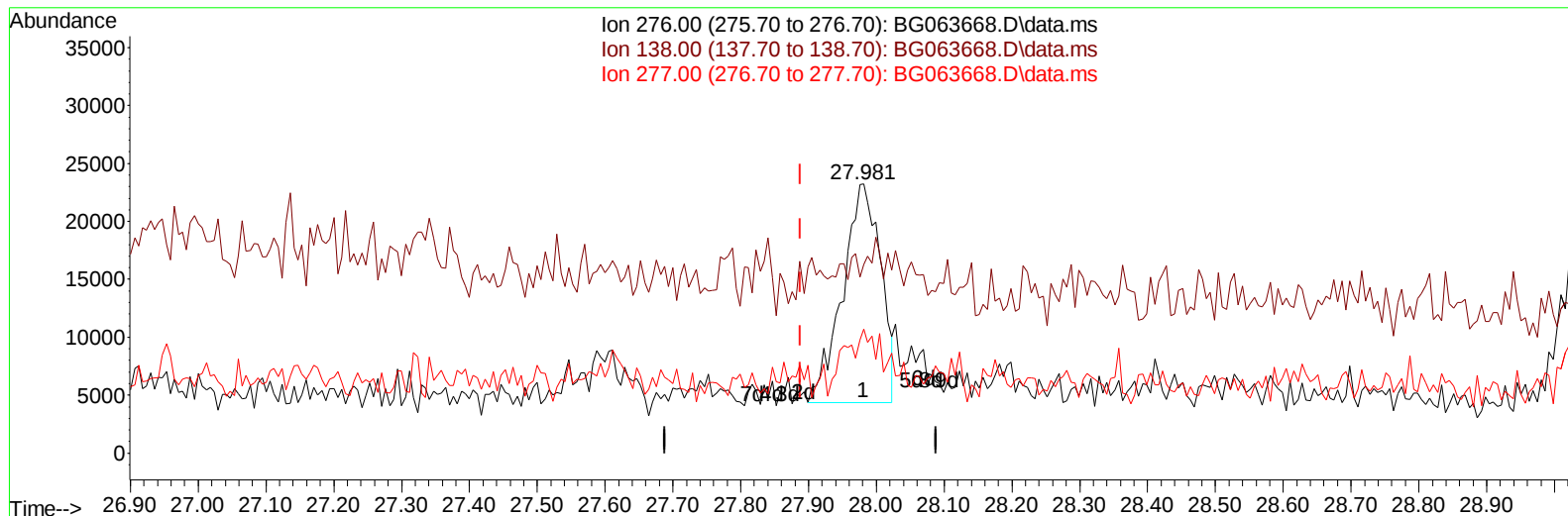
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:40:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

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

27.981min (+ 0.093) 1.34 ng/u1

response 73803

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.10	70.21#
277.00	23.00	46.07#
0.00	0.00	0.00

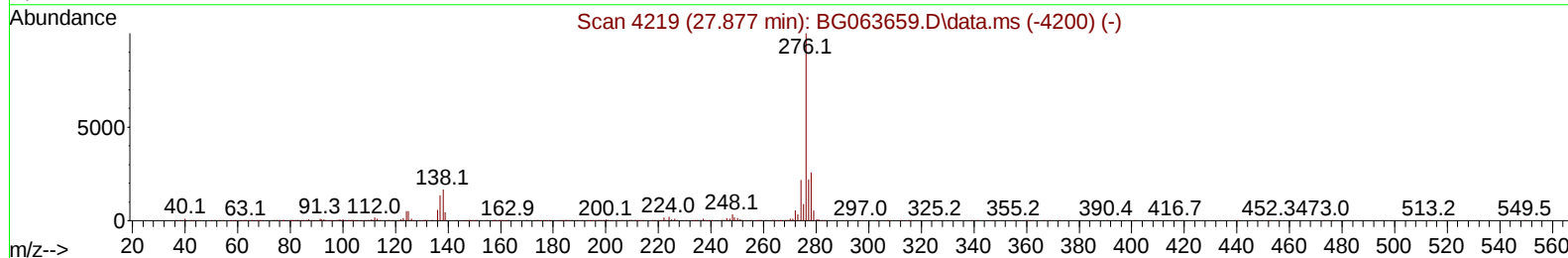
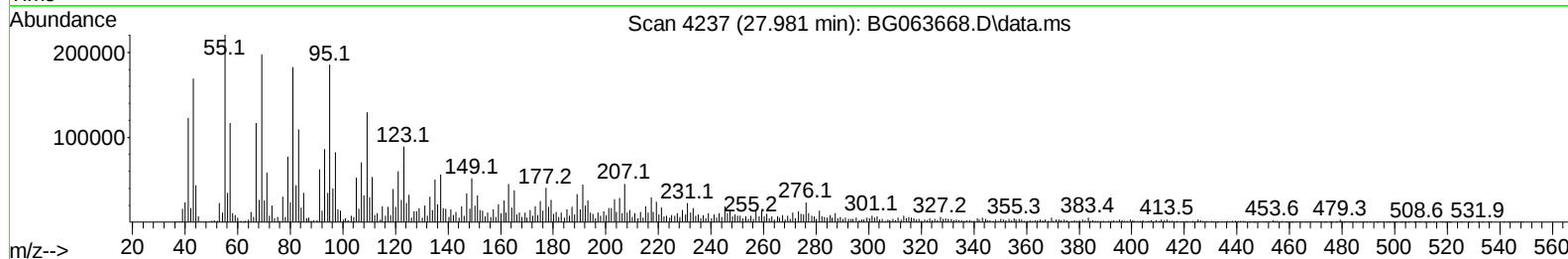
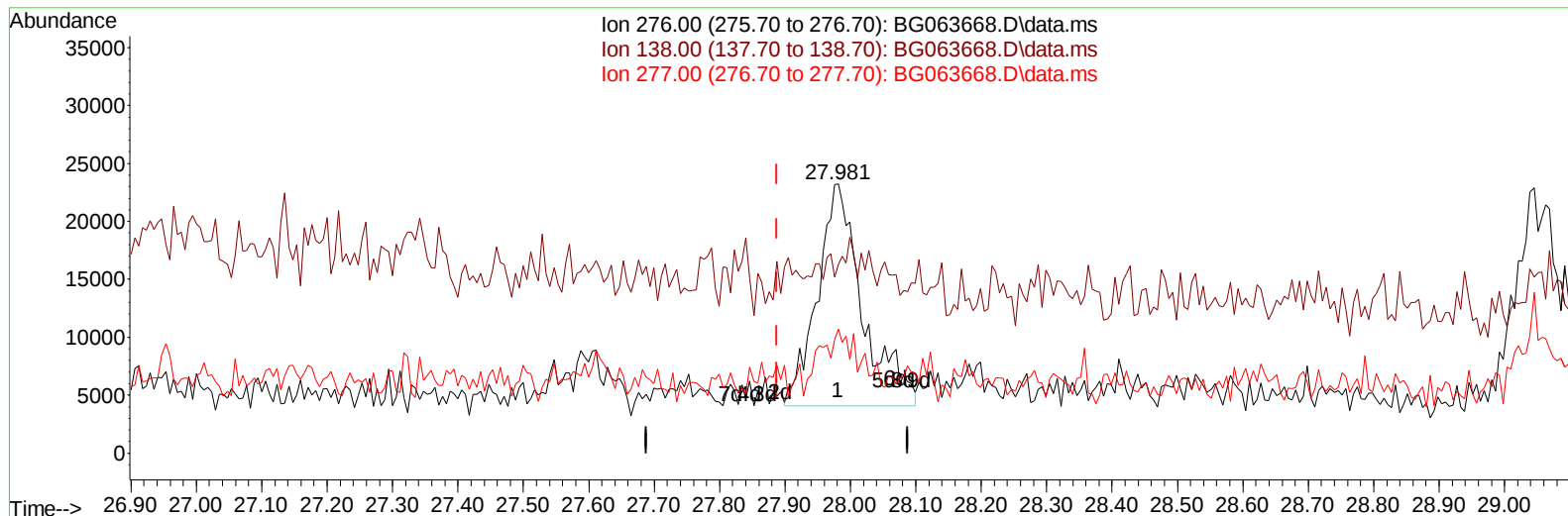
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:40:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

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

27.981min (+ 0.093) 1.68 ng/ul m

response 92108

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.10	70.21#
277.00	23.00	46.07#
0.00	0.00	0.00

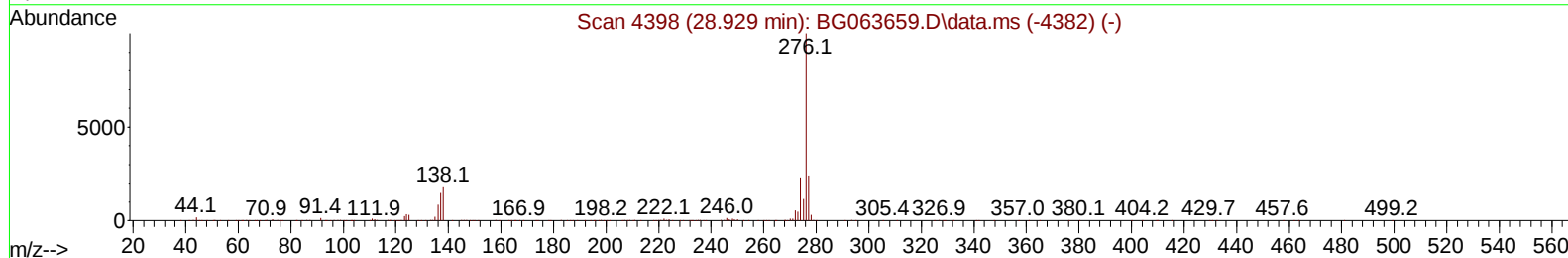
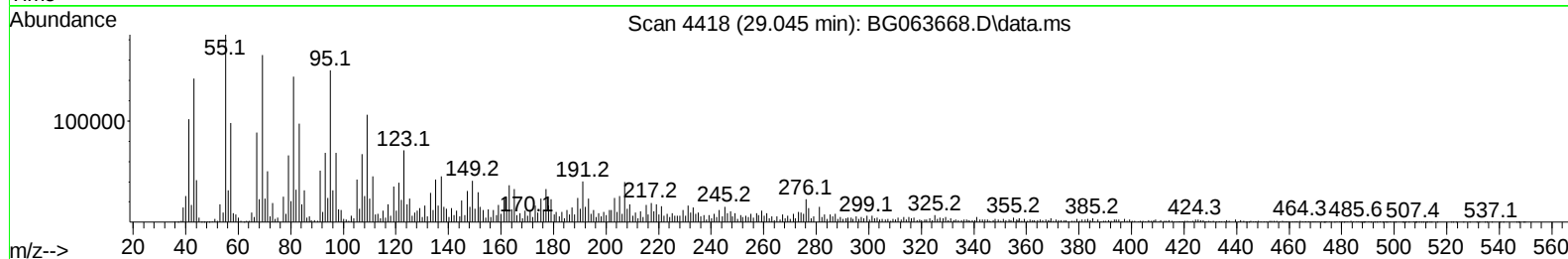
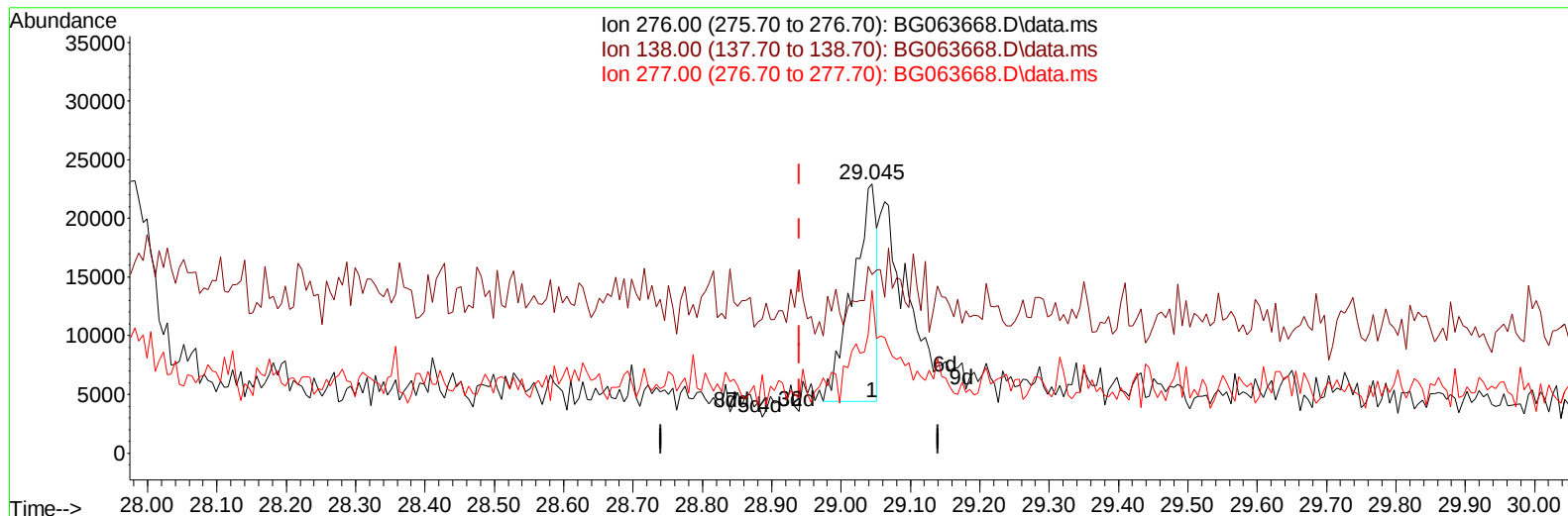
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:41:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(96) Benzo(g,h,i)perylene

29.045min (+ 0.105) 1.00 ng/u1

response 43773

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	66.31#
277.00	22.30	60.58#
0.00	0.00	0.00

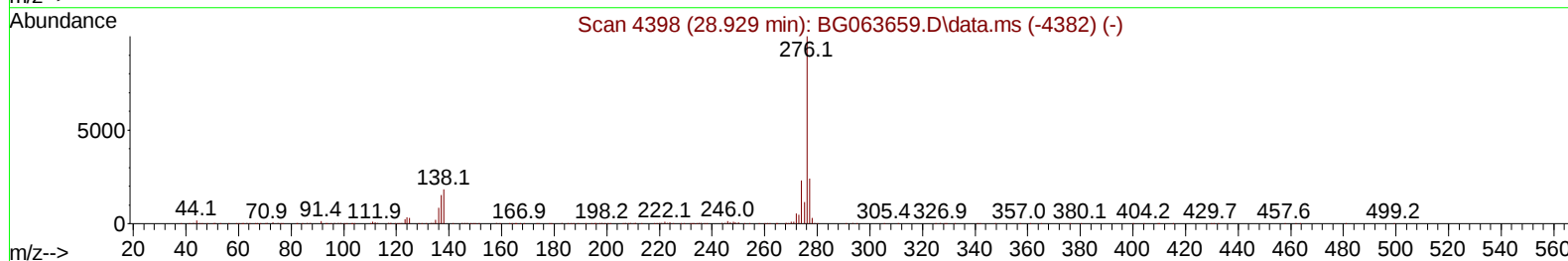
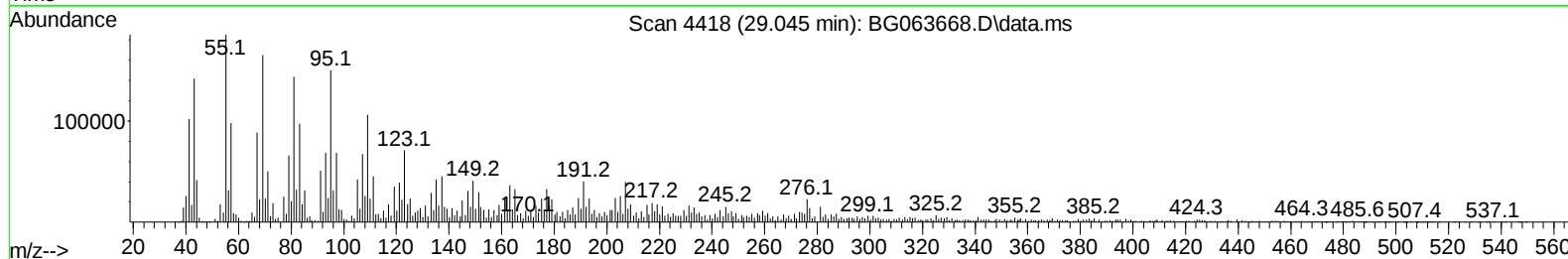
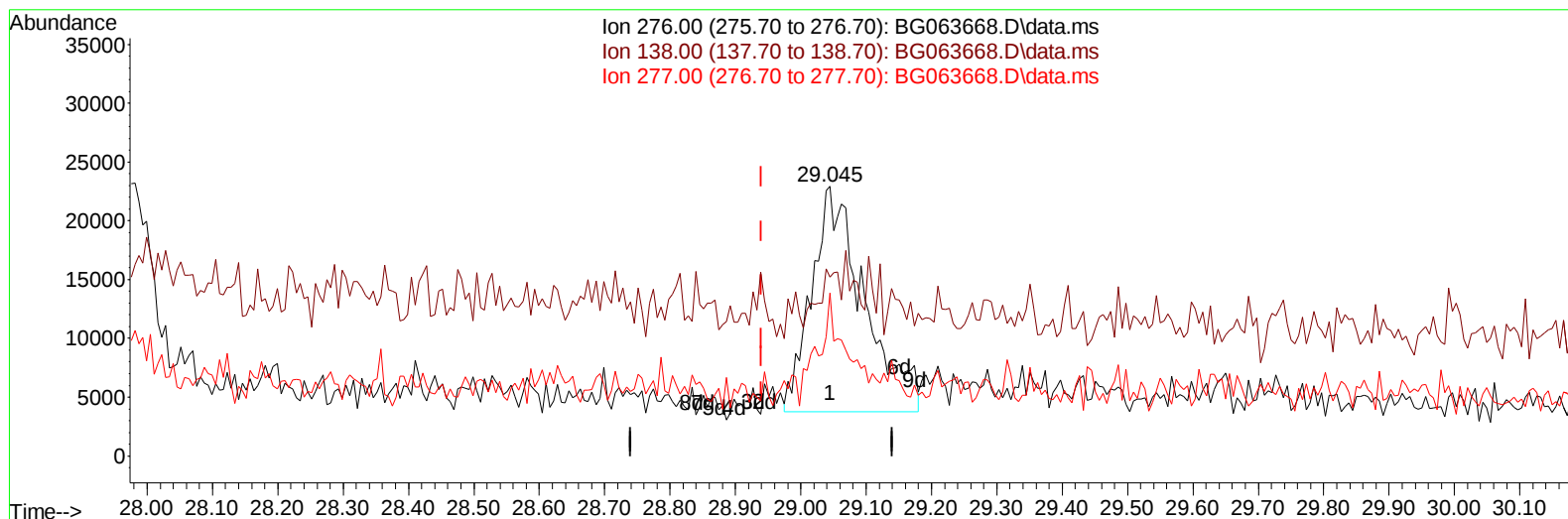
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
Data File : BG063668.D
Acq On : 12 Dec 2024 15:12
Operator : RC/JU
Sample : P5153-17
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:41:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 23:59:23 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BG063668.D\data.ms

(96) Benzo(g,h,i)perylene

29.045min (+ 0.105) 2.44 ng/ul m

response 106339

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	17.30	66.31#
277.00	22.30	60.58#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121224\
 Data File : BG063668.D
 Acq On : 12 Dec 2024 15:12
 Operator : RC/JU
 Sample : P5153-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E28Q4

Manual IntegrationsAPPROVED

Quant Time: Dec 12 22:41:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG121124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 23:59:23 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/13/2024
 Supervised By :mohammad ahmed 12/13/2024

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.817	152		241551	20.000	ng/ul	0.00
20) Naphthalene-d8	10.608	136		910052	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.456	164		581054	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.206	188		1177885	20.000	ng/ul	0.00
79) Chrysene-d12	21.471	240		1040743	20.000	ng/ul	# 0.01
88) Perylene-d12	24.533	264		842826	20.000	ng/ul	0.05
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.287	96		24561	3.985	ng/uL	0.01
4) Pyridine-d5	3.704	84		391376	20.128	ng/ul	0.02
7) Phenol-d5	7.006	99		486107	21.851	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.147	67		364476	23.721	ng/ul	0.00
11) 2-Chlorophenol-d4	7.359	132		344359	23.910	ng/ul	0.01
15) 4-Methylphenol-d8	8.534	113		293698	17.004	ng/ul	0.00
21) Nitrobenzene-d5	8.968	128		158256	24.355	ng/ul	0.00
24) 2-Nitrophenol-d4	9.691	143		143577	19.712	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.238	165		340862	24.171	ng/ul	0.00
31) 4-Chloroaniline-d4	10.743	131		55665	3.109	ng/ul	0.00
46) Dimethylphthalate-d6	13.863	166		1085404	27.452	ng/ul	0.00
49) Acenaphthylene-d8	14.145	160		833643	18.496	ng/ul	0.00
54) 4-Nitrophenol-d4	14.697	143		65337	11.663	ng/ul	0.02
60) Fluorene-d10	15.449	176		884469	25.301	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.561	200		864	0.141	ng/ul	-0.02
73) Anthracene-d10	17.306	188		1181605	23.333	ng/ul	0.00
81) Pyrene-d10	19.609	212		1369345	25.284	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.321	264		921805m	23.290	ng/ul	0.05
Target Compounds							
						Qvalue	
8) Phenol	7.035	94		42746m	1.803	ng/ul	
30) Naphthalene	10.655	128		93662	2.059	ng/ul	97
36) 2-Methylnaphthalene	12.265	142		139166	4.256	ng/ul	97
37) 1-Methylnaphthalene	12.488	142		42727	1.283	ng/ul	85
72) Phenanthrene	17.247	178		254679	4.487	ng/ul#	91
74) Anthracene	17.341	178		60254	1.049	ng/ul#	77
80) Fluoranthene	19.274	202		221885	3.605	ng/ul#	96
82) Pyrene	19.638	202		247251	3.775	ng/ul#	93
85) Benzo(a)anthracene	21.454	228		157462	2.414	ng/ul#	67
86) Bis(2-ethylhexyl)phtha...	21.366	149		60882	2.082	ng/ul#	90
87) Chrysene	21.518	228		221609	3.565	ng/ul#	69
90) Benzo(b)fluoranthene	23.569	252		251659	5.254	ng/ul#	37
91) Benzo(k)fluoranthene	23.610	252		113888m	2.383	ng/ul	
93) Benzo(a)pyrene	24.392	252		136003m	3.025	ng/ul	
94) Indeno(1,2,3-cd)pyrene	27.981	276		92108m	1.677	ng/ul	
96) Benzo(g,h,i)perylene	29.045	276		106339m	2.441	ng/ul	

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

