

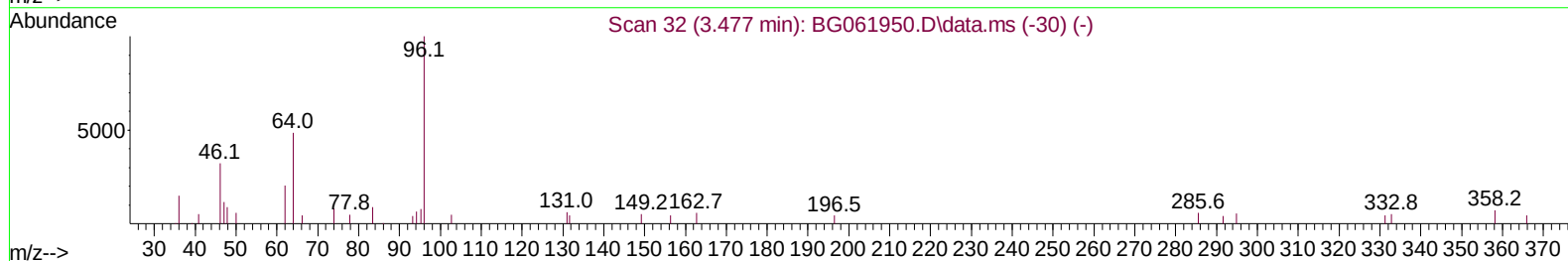
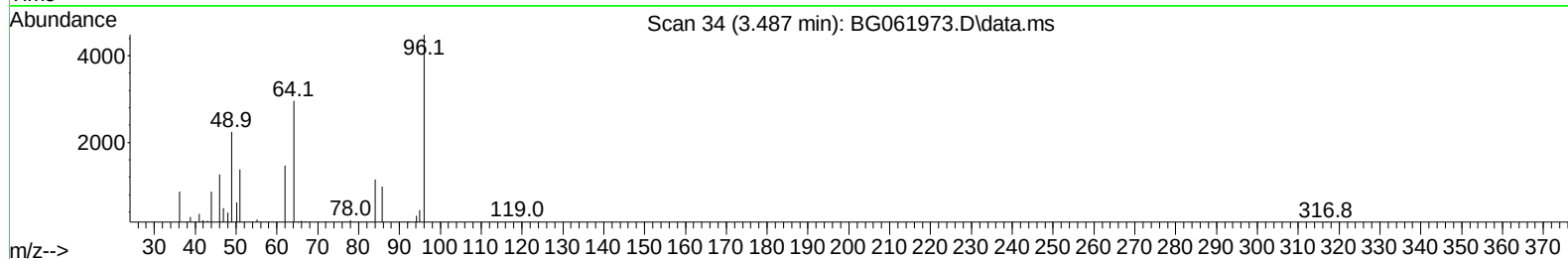
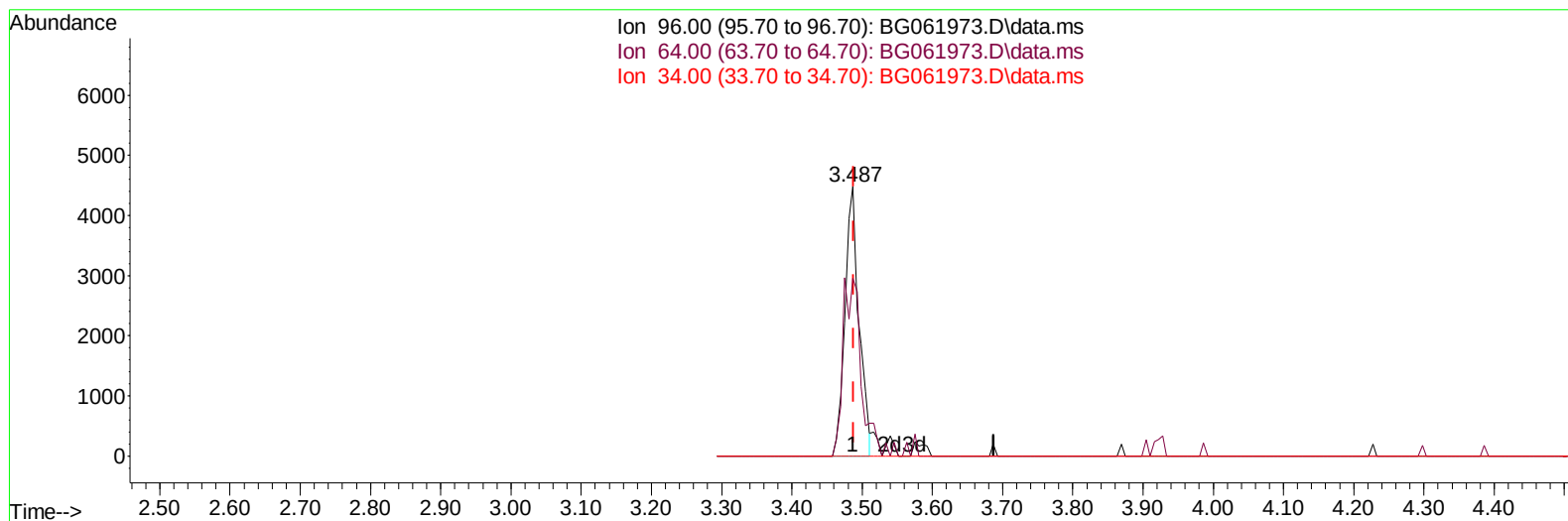
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061973.D
 Acq On : 9 Jul 2024 14:34
 Operator : MA/JU
 Sample : PB161901BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS901

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 09 15:28:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration



TIC: BG061973.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.487min (-0.001) 6.49 ng/uL

response 6219

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	65.93#
34.00	0.00	0.00
0.00	0.00	0.00

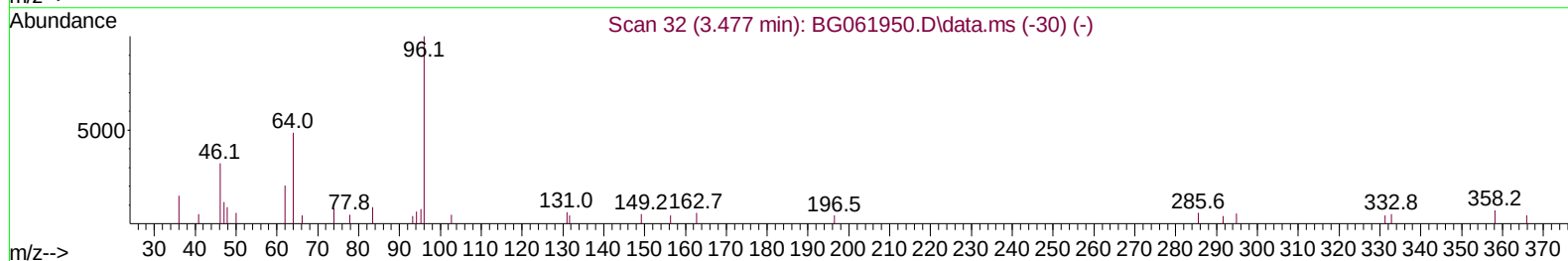
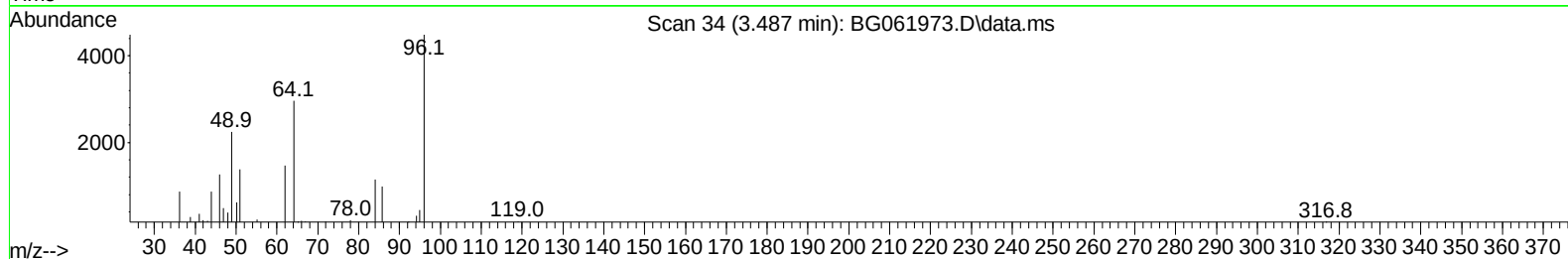
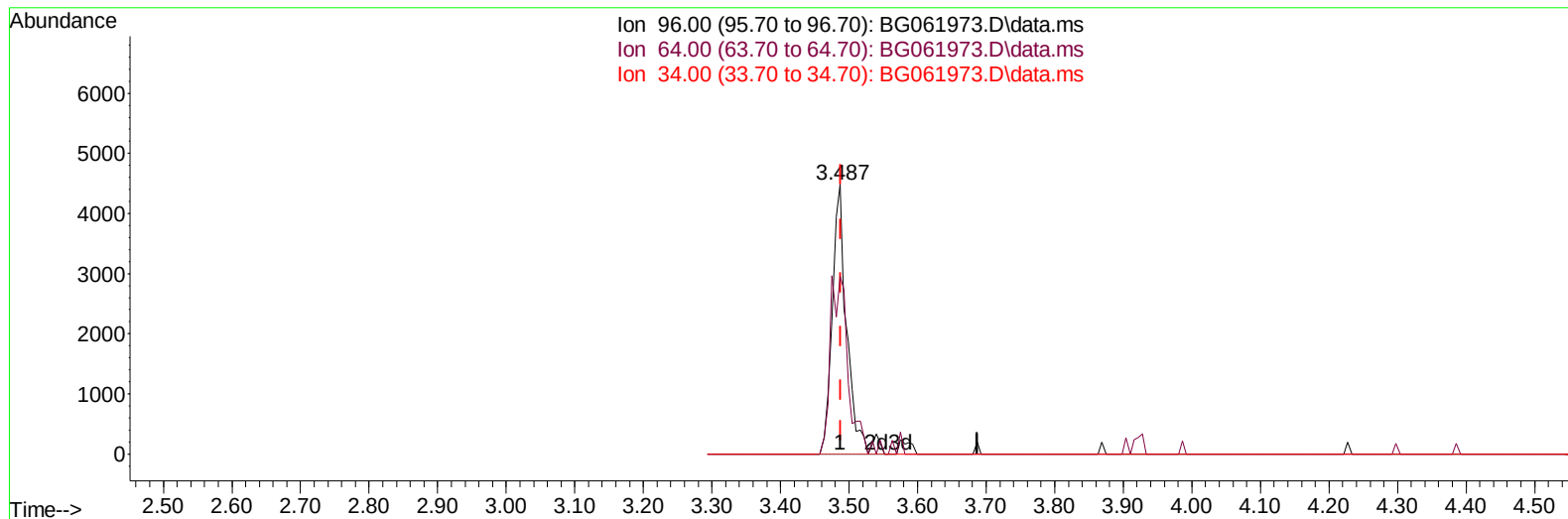
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.487min (-0.001) 6.98 ng/uL m

response 6696

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	104.80	65.93#
34.00	0.00	0.00
0.00	0.00	0.00

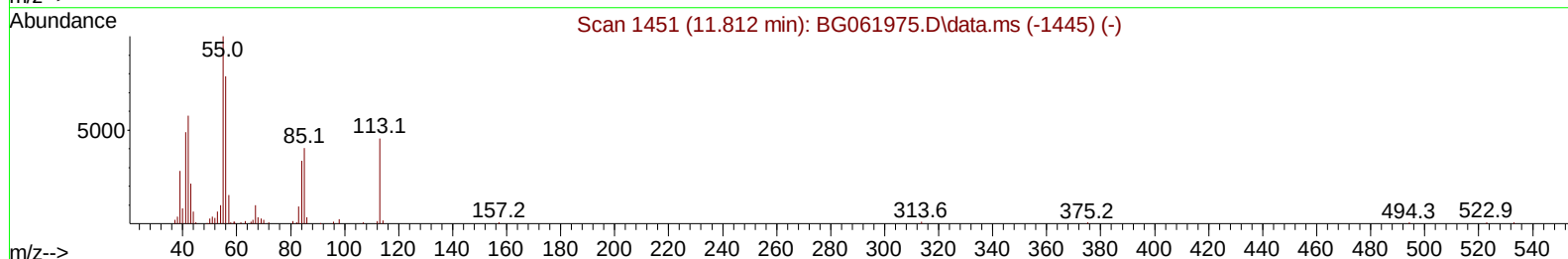
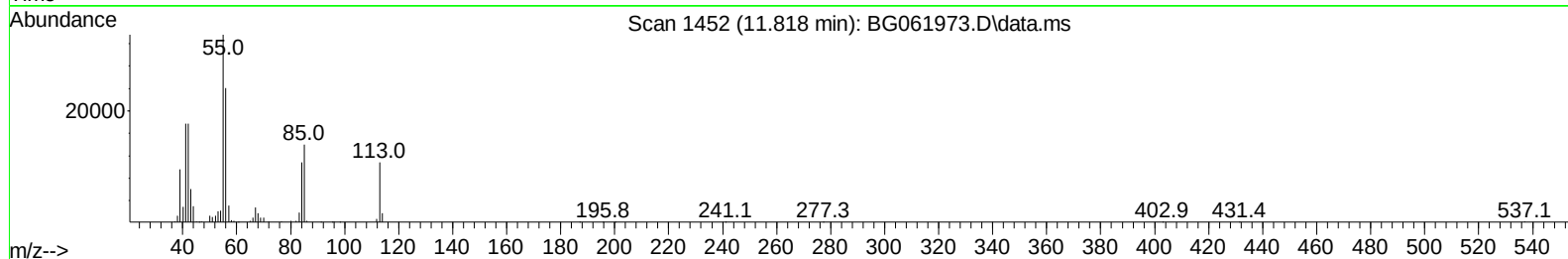
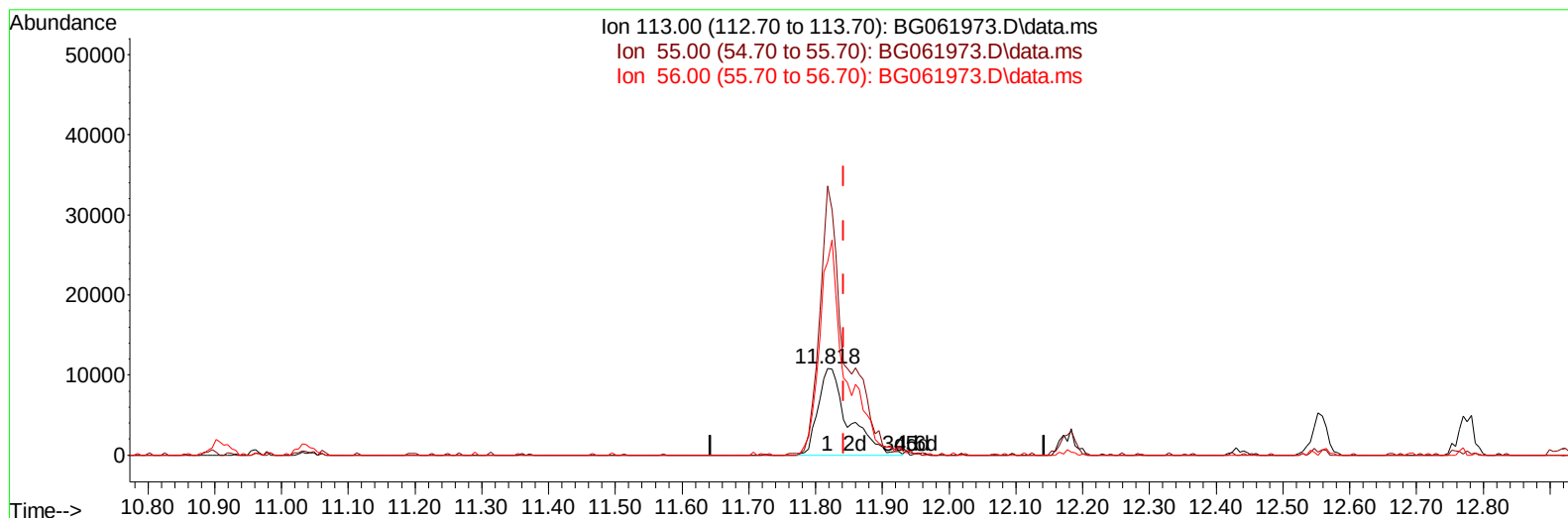
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061973.D
 Acq On : 9 Jul 2024 14:34
 Operator : MA/JU
 Sample : PB161901BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:30:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

(34) Caprolactam

11.818min (-0.024) 30.94 ng/ul m

response 34206

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.70	310.35#
56.00	168.80	222.62#
0.00	0.00	0.00

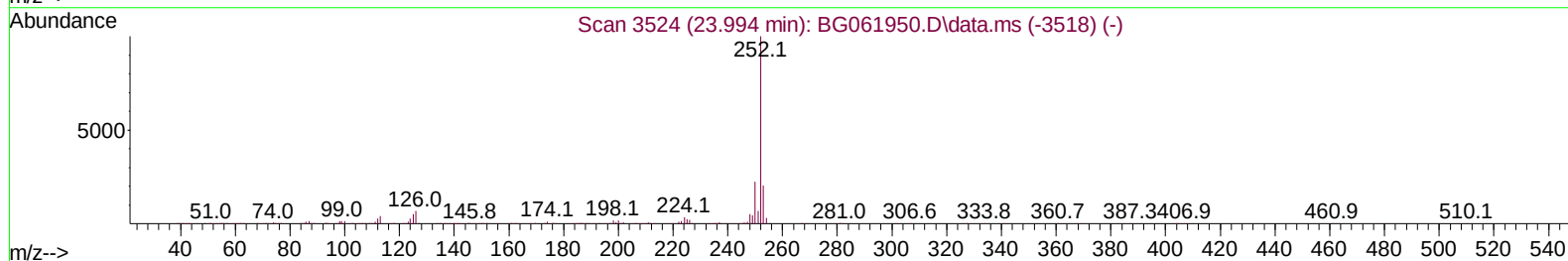
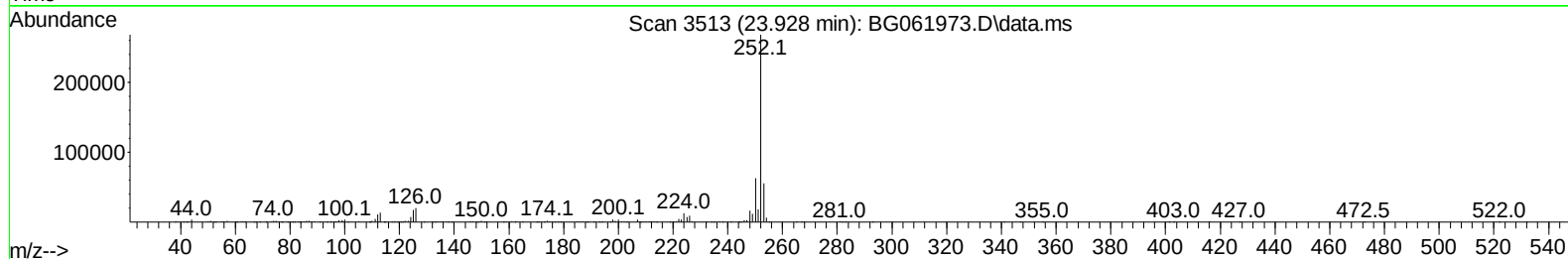
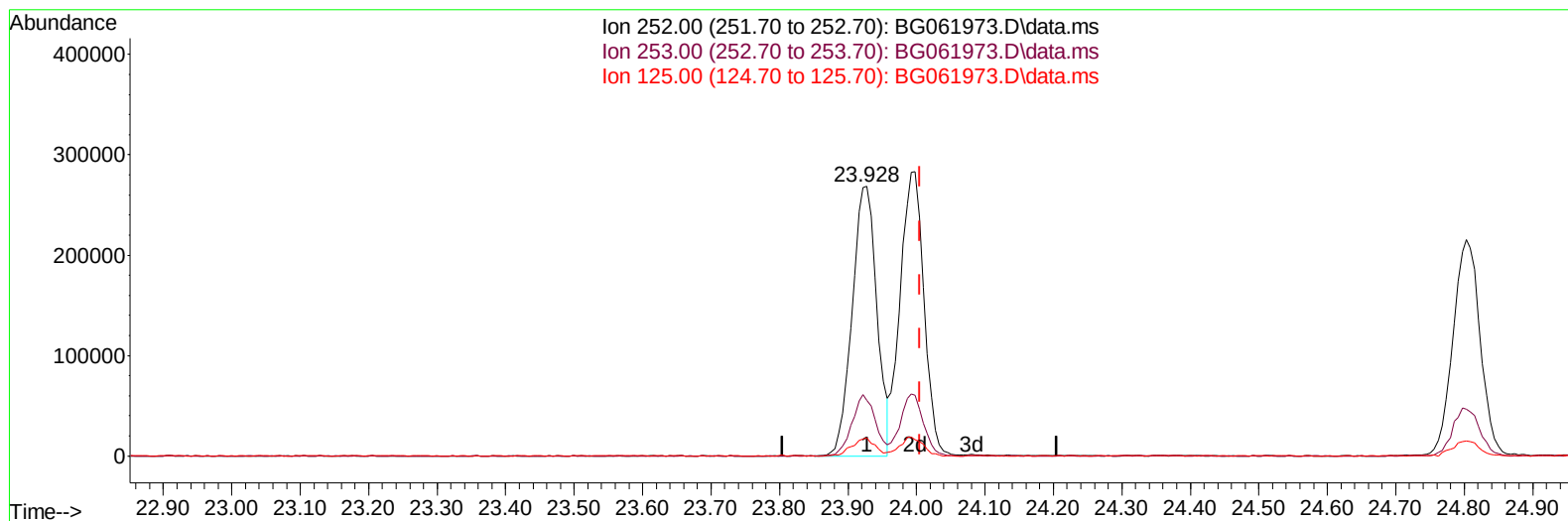
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

(91) Benzo(k)fluoranthene

23.928min (-0.077) 31.37 ng/u1

response 675050

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	20.72
125.00	7.90	6.65
0.00	0.00	0.00

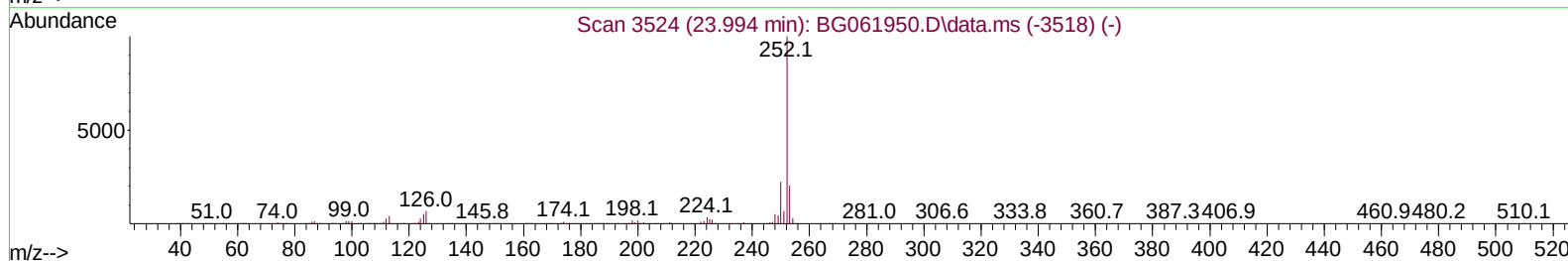
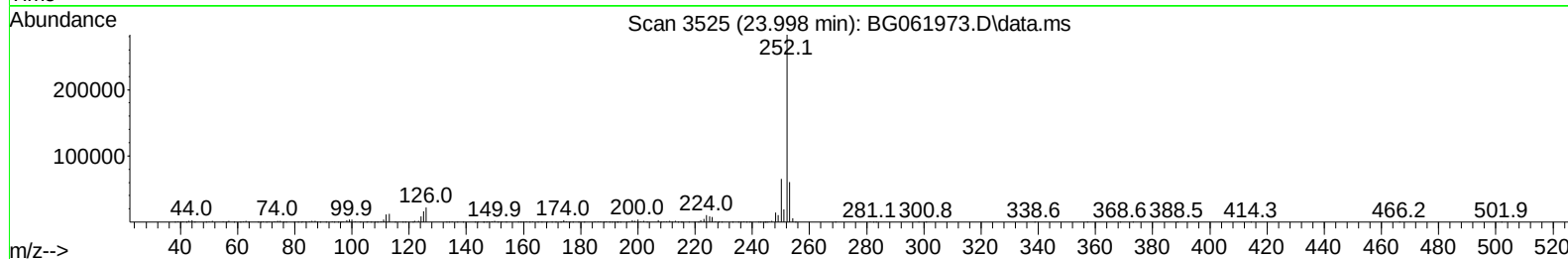
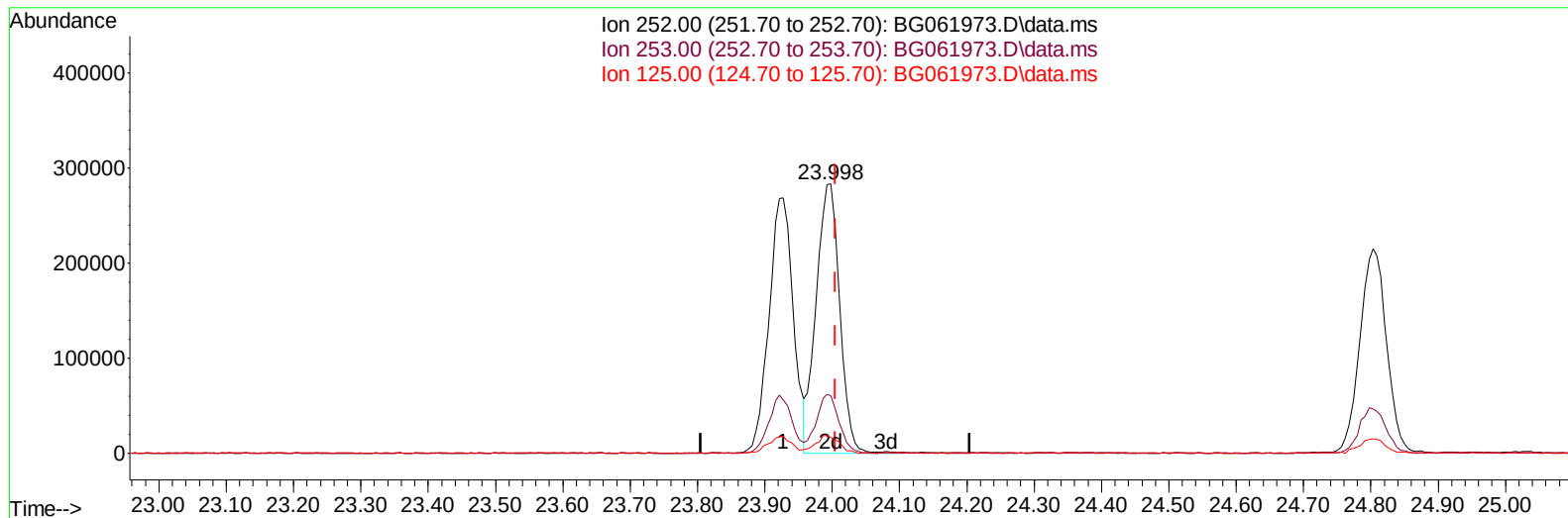
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

(91) Benzo(k)fluoranthene

23.998min (-0.007) 31.92 ng/ul m

response 686863

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	24.10	21.32
125.00	7.90	5.78#
0.00	0.00	0.00

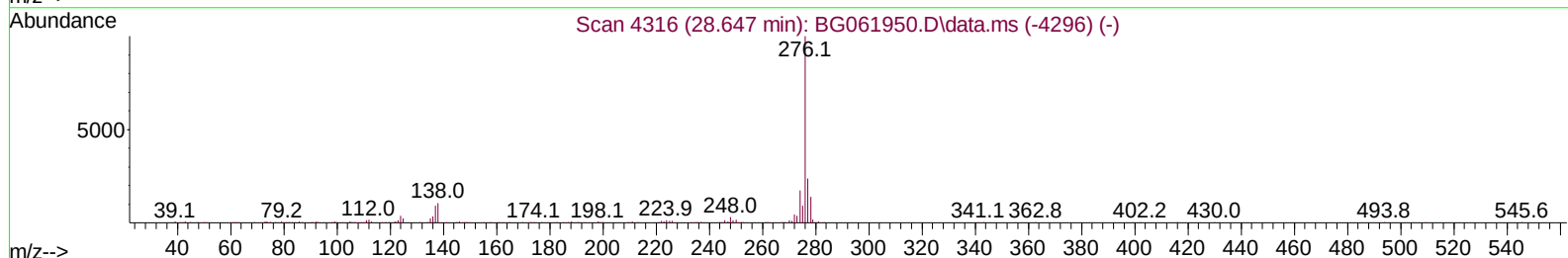
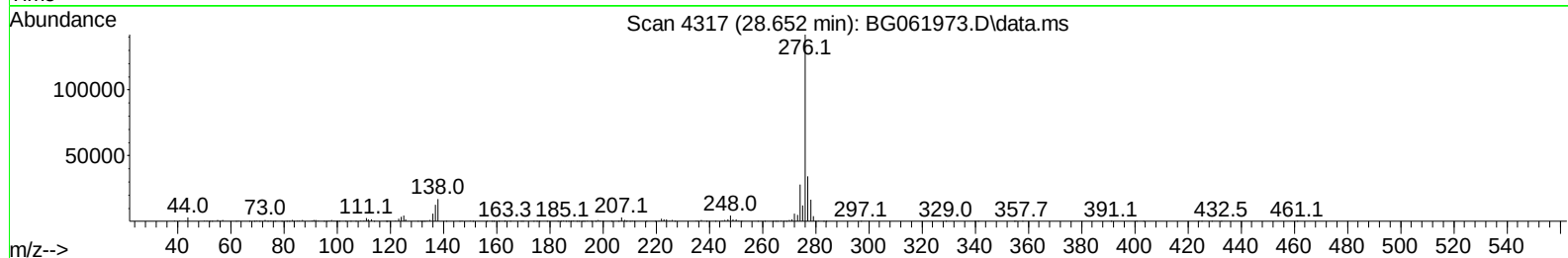
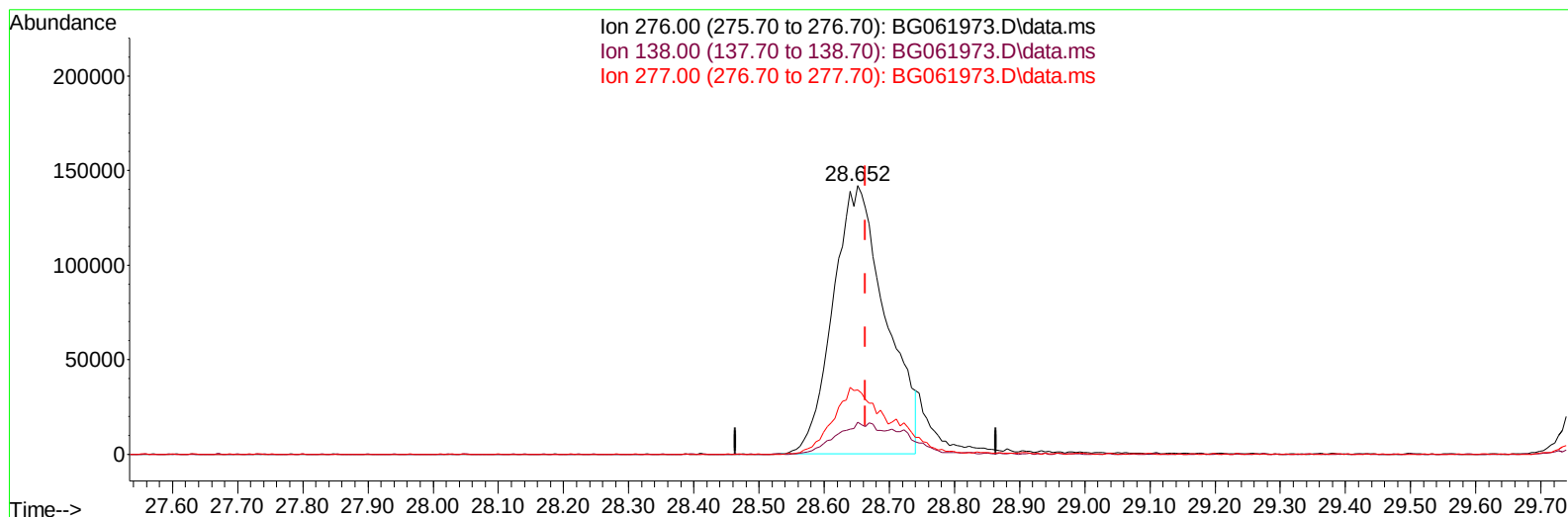
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

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

28.652min (-0.013) 30.47 ng/u1

response 795836

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	12.03
277.00	24.10	24.01
0.00	0.00	0.00

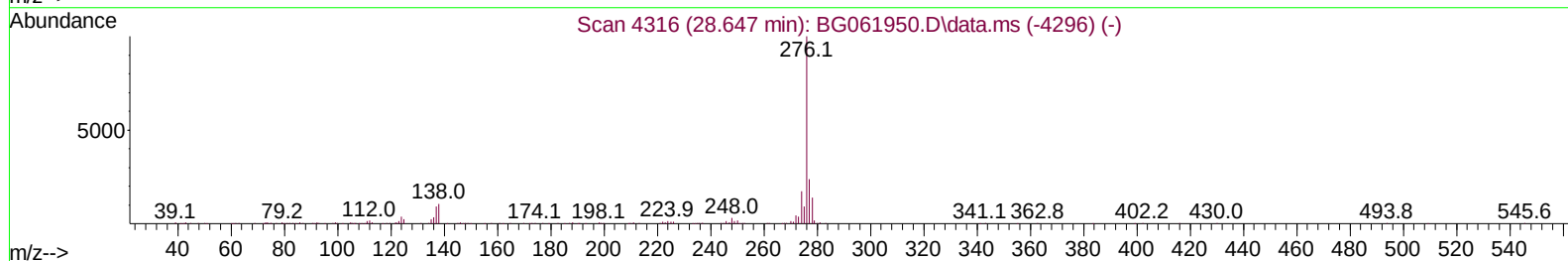
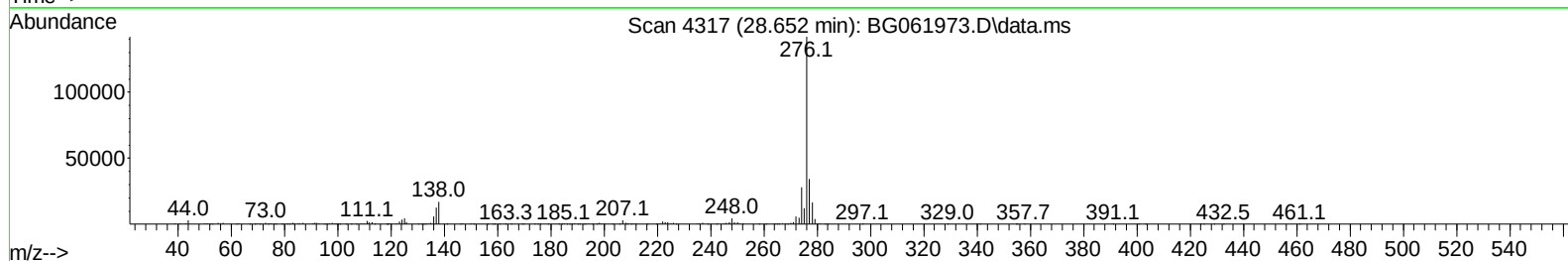
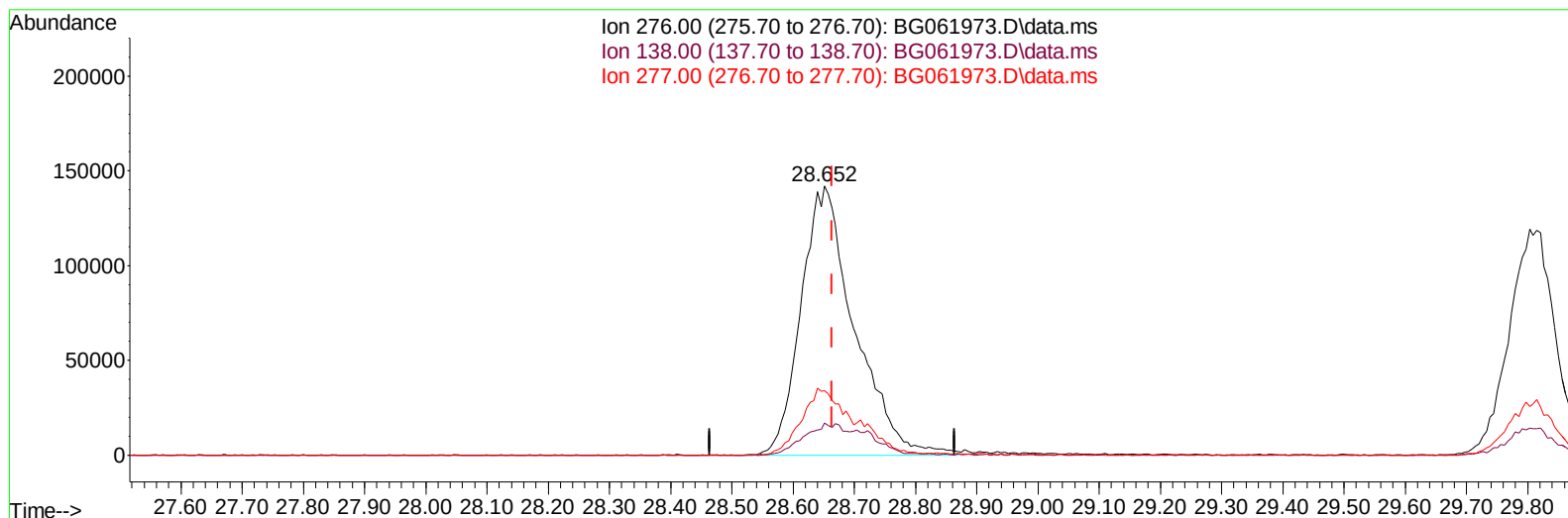
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

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

28.652min (-0.013) 32.89 ng/ul m

response 859064

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.90	12.03
277.00	24.10	24.01
0.00	0.00	0.00

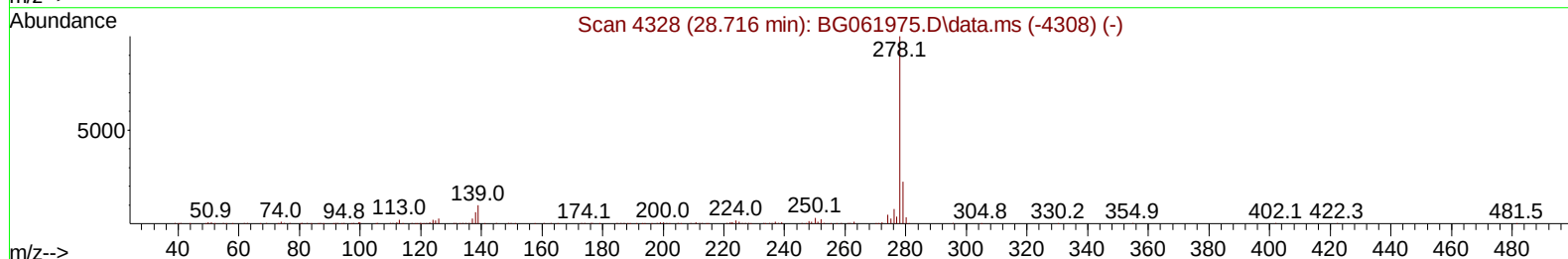
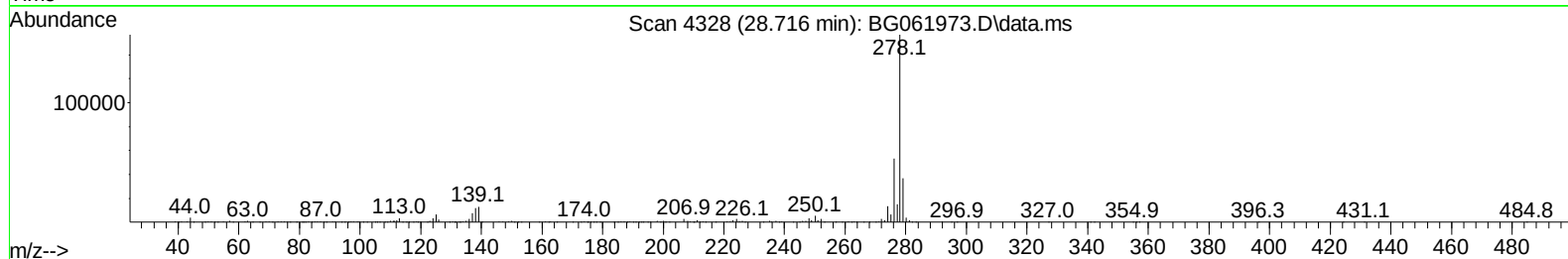
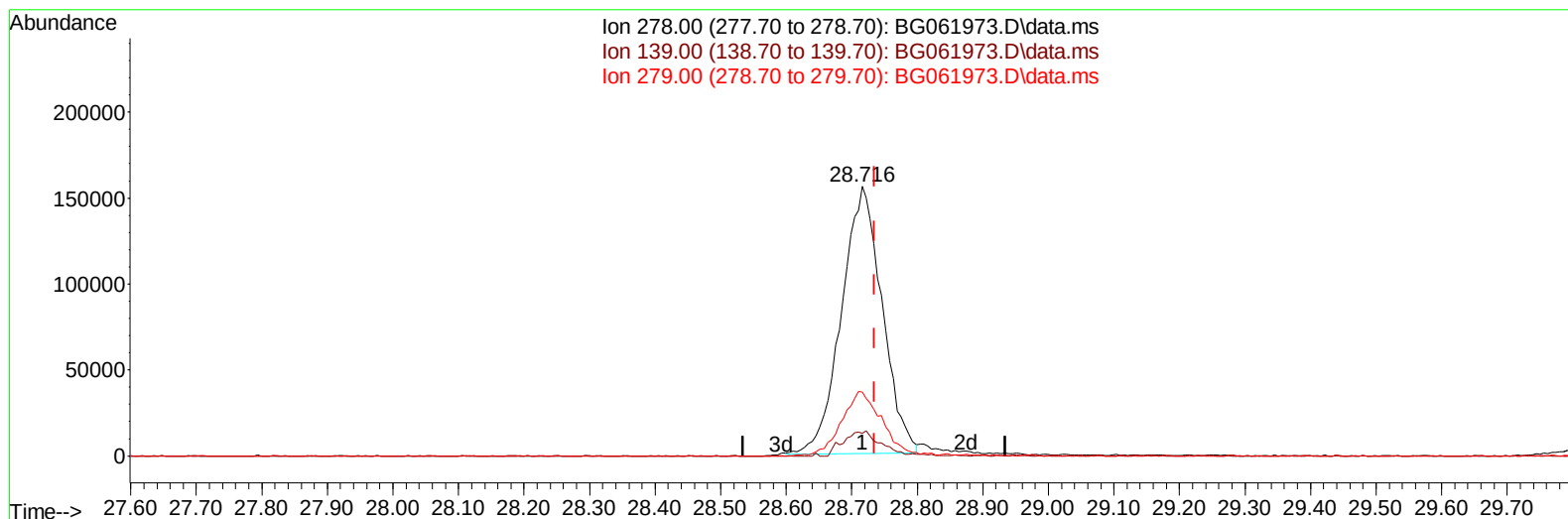
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:30:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

(95) Dibenzo(a,h)anthracene

28.716min (-0.018) 31.11 ng/u1

response 670977

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	8.35
279.00	23.50	23.64
0.00	0.00	0.00

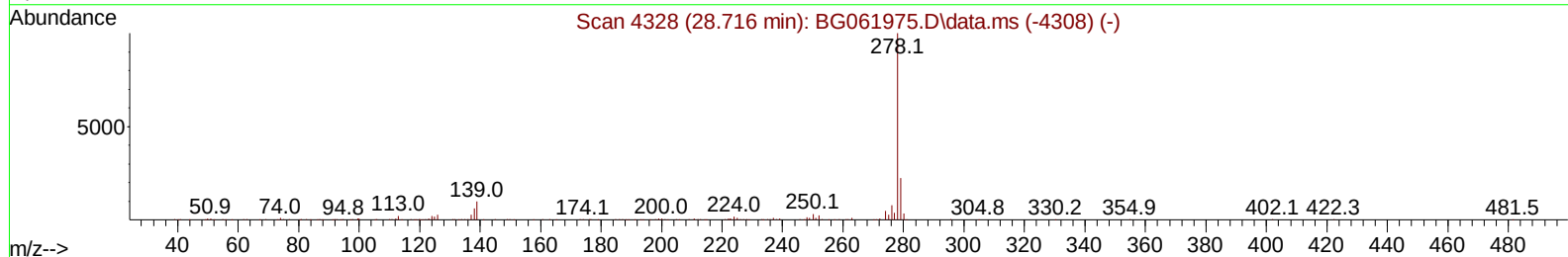
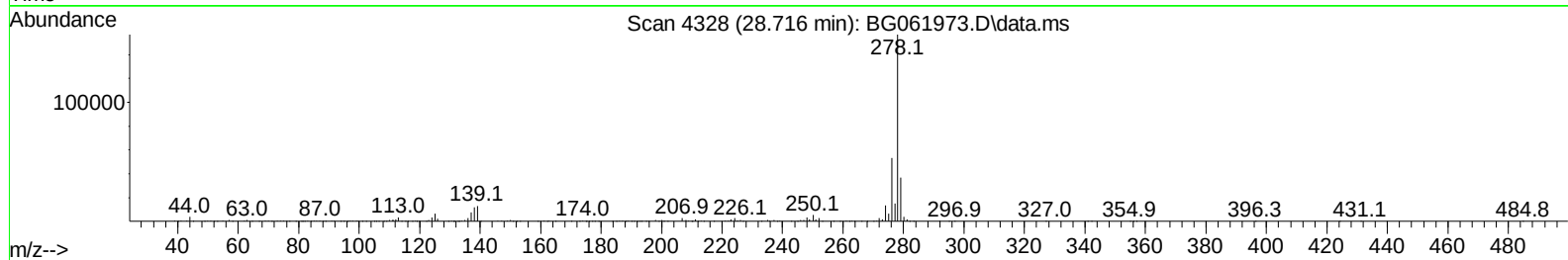
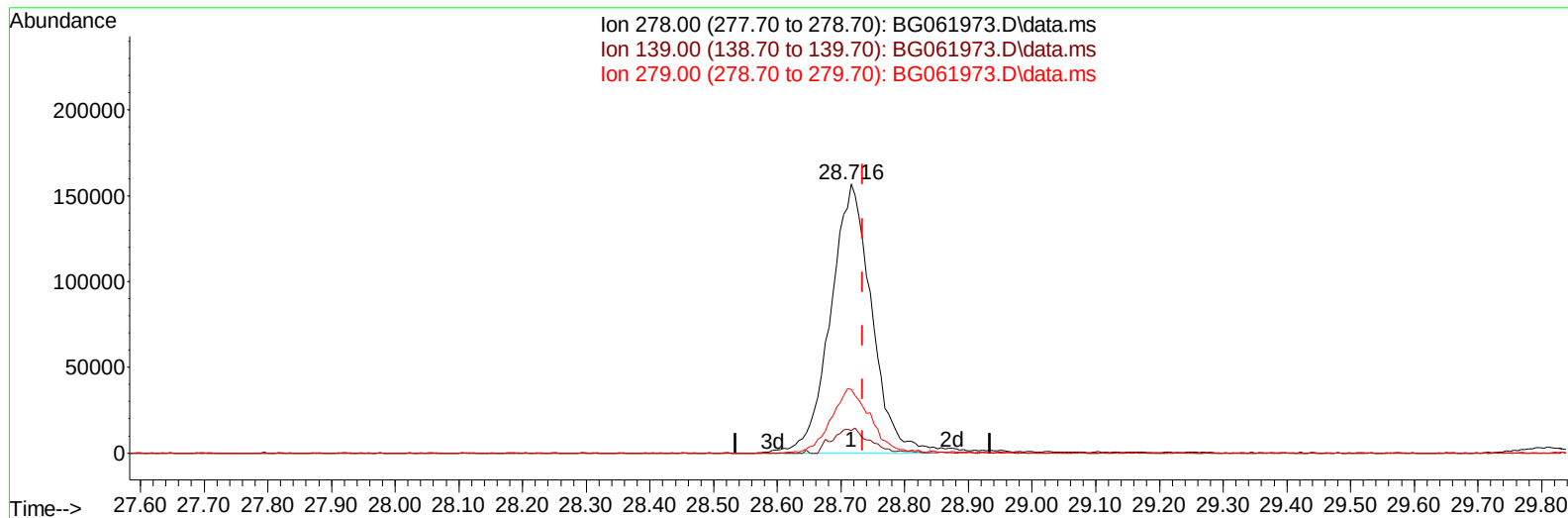
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:30:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

(95) Dibenzo(a,h)anthracene

28.716min (-0.018) 32.43 ng/ul m

response 699572

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.50	8.35
279.00	23.50	23.64
0.00	0.00	0.00

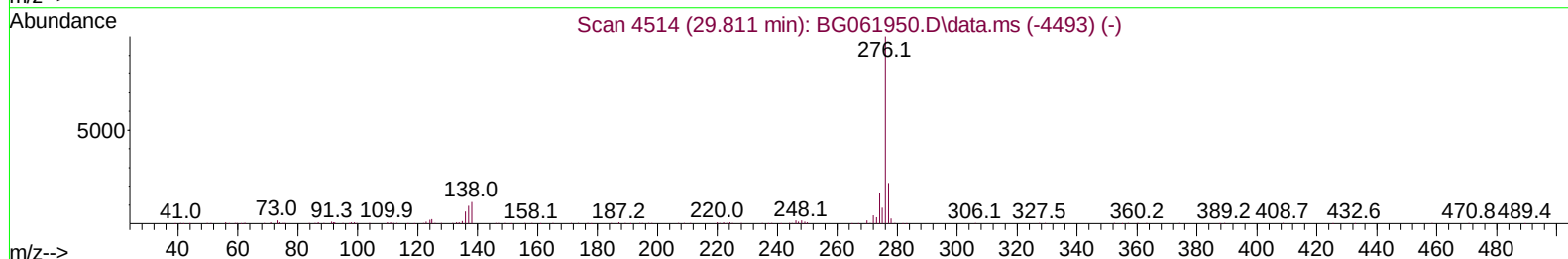
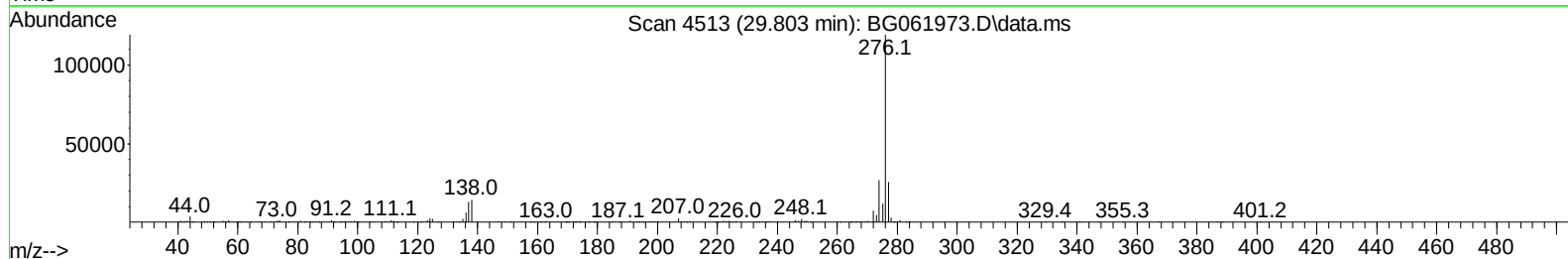
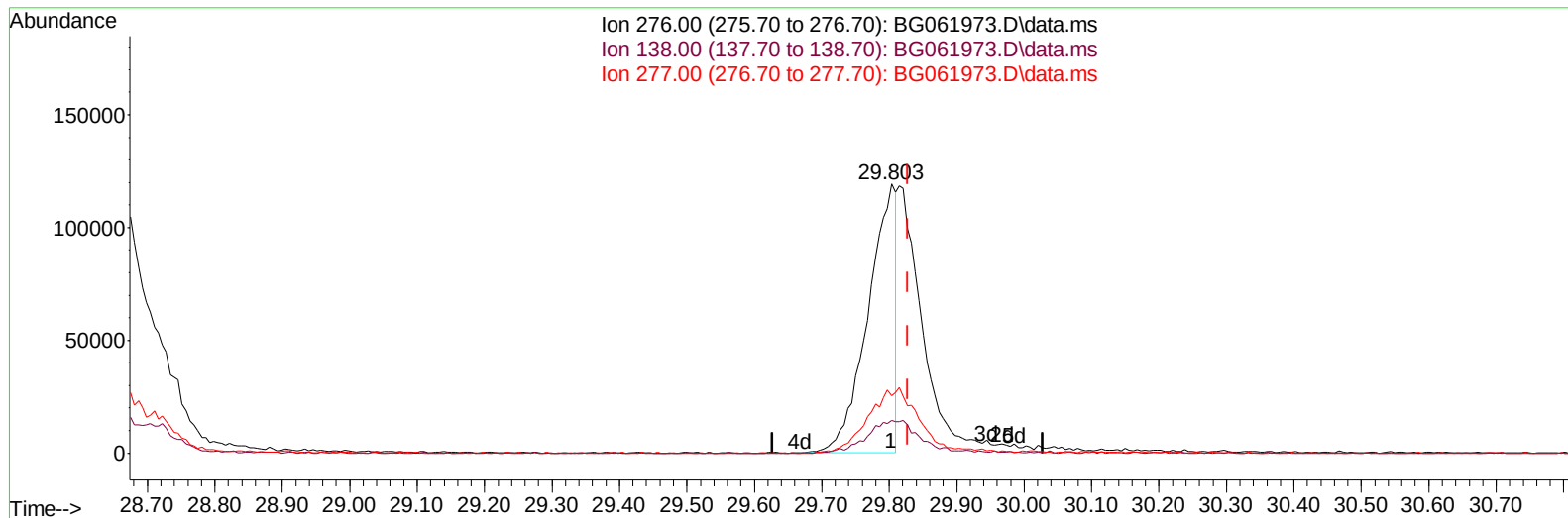
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
Data File : BG061973.D
Acq On : 9 Jul 2024 14:34
Operator : MA/JU
Sample : PB161901BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 03 02:38:46 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

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

29.803min (-0.024) 16.45 ng/u1

response 341828

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	12.10
277.00	23.50	21.38
0.00	0.00	0.00

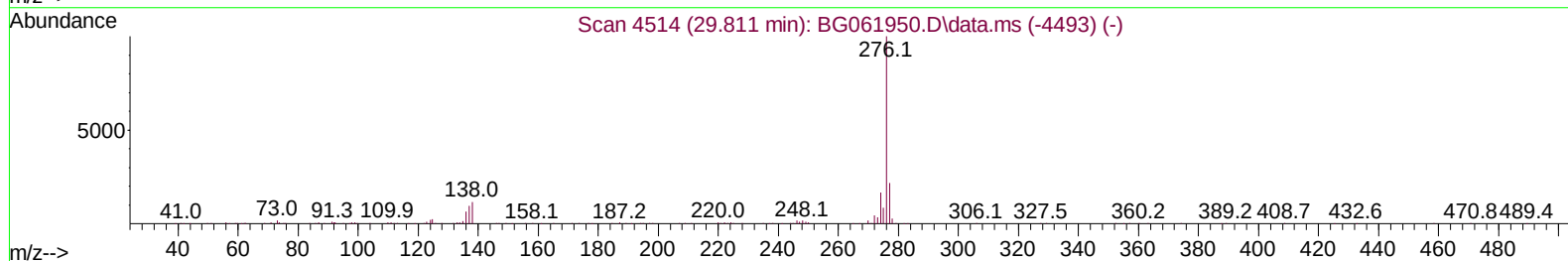
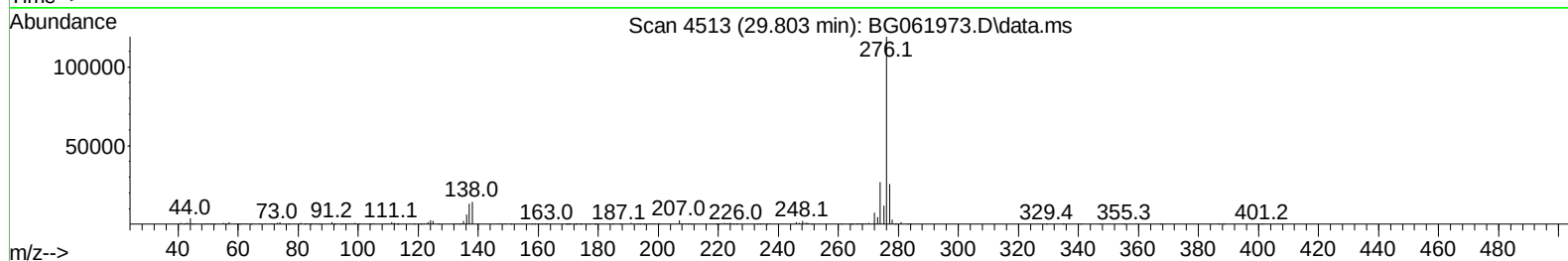
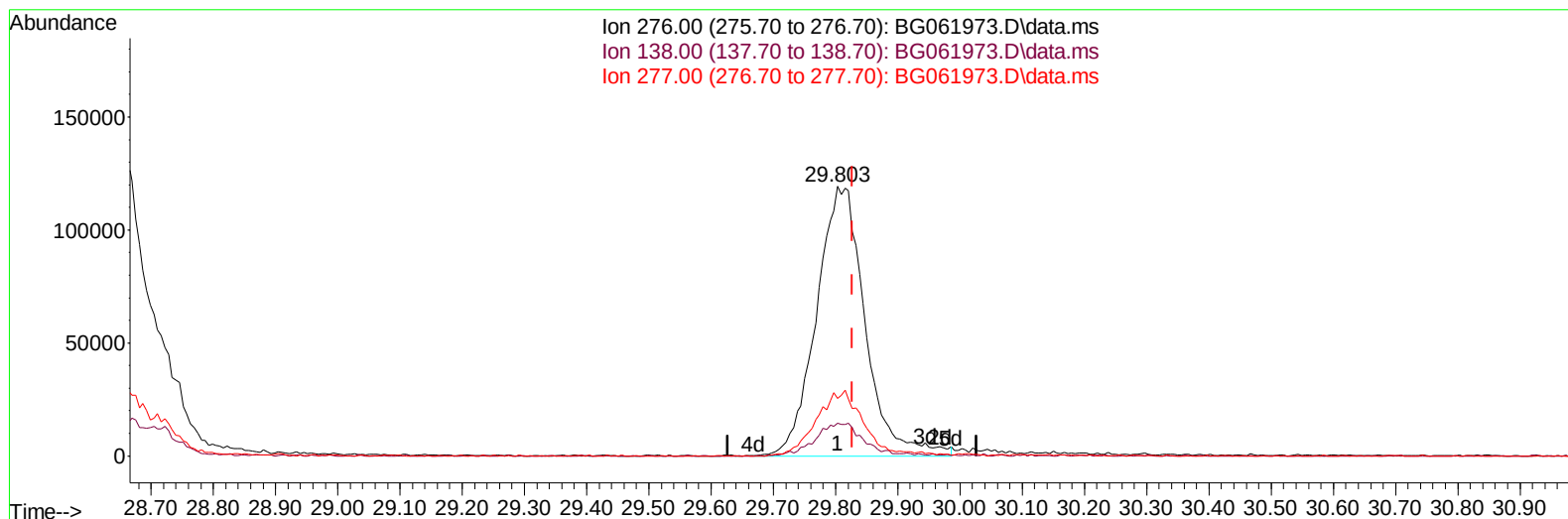
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061973.D
 Acq On : 9 Jul 2024 14:34
 Operator : MA/JU
 Sample : PB161901BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 09 15:28:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024



TIC: BG061973.D\data.ms

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

29.803min (-0.024) 31.22 ng/ul m

response 648670

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.90	12.10
277.00	23.50	21.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061973.D
 Acq On : 9 Jul 2024 14:34
 Operator : MA/JU
 Sample : PB161901BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 10 00:34:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	36033	20.000	ng/ul	0.00
20) Naphthalene-d8	10.908	136	179329	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.715	164	139609	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.459	188	326783	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.719	240	280239	20.000	ng/ul	# 0.00
88) Perylene-d12	24.956	264	342547	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.487	96	6696m	6.983	ng/uL	0.00
4) Pyridine-d5	3.904	84	68090	23.094	ng/ul	0.00
7) Phenol-d5	7.247	99	118918	30.157	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.418	67	66381	26.582	ng/ul	0.00
11) 2-Chlorophenol-d4	7.623	132	81221	30.027	ng/ul	0.00
15) 4-Methylphenol-d8	8.798	113	93652	30.164	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	43091	31.595	ng/ul	0.00
24) 2-Nitrophenol-d4	9.985	143	53790	34.536	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.526	165	103735	34.531	ng/ul	0.00
31) 4-Chloroaniline-d4	11.043	131	117353	26.906	ng/ul	0.00
46) Dimethylphthalate-d6	14.116	166	345950	30.141	ng/ul	0.00
49) Acenaphthylene-d8	14.415	160	382274	31.852	ng/ul	0.00
54) 4-Nitrophenol-d4	14.915	143	56884	31.034	ng/ul	0.00
60) Fluorene-d10	15.708	176	309702	32.052	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.820	200	63566	37.039	ng/ul	0.00
73) Anthracene-d10	17.559	188	468778	30.726	ng/ul	0.00
81) Pyrene-d10	19.838	212	531950	32.272	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.733	264	558813	32.893	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.522	88	10152	9.592	ng/uL	86
5) Pyridine	3.922	79	74769	24.728	ng/ul	94
6) Benzaldehyde	7.230	77	63452	30.403	ng/ul	93
8) Phenol	7.277	94	118675	29.395	ng/ul#	87
10) Bis(2-Chloroethyl)ether	7.512	93	84549	27.261	ng/ul	97
12) 2-Chlorophenol	7.659	128	84567	30.688	ng/ul	100
13) 2-Methylphenol	8.528	108	85648	29.723	ng/ul	90
14) 2,2'-oxybis(1-Chloropr...	8.616	45	178795	26.387	ng/ul	97
16) Acetophenone	8.922	105	146154	28.498	ng/ul	90
17) N-Nitroso-di-n-propyla...	8.898	70	79790	27.790	ng/ul	94
18) 4-Methylphenol	8.863	108	98554	30.541	ng/ul	95
19) Hexachloroethane	9.180	117	34502	28.861	ng/ul#	78
22) Nitrobenzene	9.304	77	123169	31.815	ng/ul	99
23) Isophorone	9.827	82	239700	27.406	ng/ul#	95
25) 2-Nitrophenol	10.015	139	54580	34.363	ng/ul#	91
26) 2,4-Dimethylphenol	10.073	107	104474	27.483	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.308	93	133932	27.807	ng/ul	98
29) 2,4-Dichlorophenol	10.549	162	96163	34.077	ng/ul	99
30) Naphthalene	10.961	128	309273	31.396	ng/ul#	96
32) 4-Chloroaniline	11.060	127	111922	26.152	ng/ul	94
33) Hexachlorobutadiene	11.231	225	69654	32.801	ng/ul	87
34) Caprolactam	11.818	113	34206m	30.939	ng/ul	
35) 4-Chloro-3-methylphenol	12.177	107	129120	34.355	ng/ul	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061973.D
 Acq On : 9 Jul 2024 14:34
 Operator : MA/JU
 Sample : PB161901BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 10 00:34:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.553	142	234817	32.904	ng/ul	96
37) 1-Methylnaphthalene	12.776	142	233696	31.511	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.911	216	137983	32.912	ng/ul	98
40) Hexachlorocyclopentadiene	12.888	237	62686	22.461	ng/ul	99
41) 2,4,6-Trichlorophenol	13.158	196	81227	29.170	ng/ul	96
42) 2,4,5-Trichlorophenol	13.228	196	92938	30.382	ng/ul	95
43) 1,1'-Biphenyl	13.552	154	323253	30.051	ng/ul	94
44) 2-Chloronaphthalene	13.599	162	246908	30.584	ng/ul	95
45) 2-Nitroaniline	13.804	65	109801	33.964	ng/ul	95
47) Dimethylphthalate	14.169	163	327183	29.637	ng/ul	99
48) 2,6-Dinitrotoluene	14.292	165	73268	34.984	ng/ul	94
50) Acenaphthylene	14.445	152	394867	29.977	ng/ul	98
51) 3-Nitroaniline	14.621	138	66686	32.711	ng/ul	96
52) Acenaphthene	14.780	153	276708	30.422	ng/ul	98
53) 2,4-Dinitrophenol	14.827	184	37579	34.344	ng/ul#	90
55) 4-Nitrophenol	14.926	109	73160	34.971	ng/ul	93
56) Dibenzofuran	15.114	168	396149	30.816	ng/ul	91
57) 2,4-Dinitrotoluene	15.073	165	109656	35.702	ng/ul#	89
58) 2,3,4,6-Tetrachlorophenol	15.338	232	78049	28.256	ng/ul	94
59) Diethylphthalate	15.526	149	358469	30.132	ng/ul	98
61) Fluorene	15.761	166	335168	30.658	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.749	204	170696	31.085	ng/ul	90
63) 4-Nitroaniline	15.784	138	74315	35.925	ng/ul	92
66) 4,6-Dinitro-2-methylph...	15.837	198	67235	36.402	ng/ul	93
67) N-Nitrosodiphenylamine	15.966	169	281917	31.590	ng/ul	100
68) 4-Bromophenyl-phenylether	16.642	248	122215	32.966	ng/ul	95
69) Hexachlorobenzene	16.760	284	143149	33.580	ng/ul	97
70) Atrazine	16.901	200	30681	8.709	ng/ul	98
71) Pentachlorophenol	17.106	266	61215	26.125	ng/ul	95
72) Phenanthrene	17.500	178	526440	30.553	ng/ul	99
74) Anthracene	17.594	178	531018	29.821	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.522	216	139356	34.336	ng/ul	98
76) Pentachlorobenzene	15.032	250	150761	32.568	ng/ul	94
77) Carbazole	17.858	167	463060	30.900	ng/ul	98
78) Di-n-butylphthalate	18.405	149	584531	30.381	ng/ul	99
80) Fluoranthene	19.503	202	618428	31.703	ng/ul	95
82) Pyrene	19.868	202	647912	32.154	ng/ul	95
83) Butylbenzylphthalate	20.737	149	254986	30.152	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.613	252	234357	35.152	ng/ul	99
85) Benzo(a)anthracene	21.701	228	643792	31.729	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.595	149	373342	30.766	ng/ul	99
87) Chrysene	21.766	228	613199	32.283	ng/ul	99
89) Di-n-octyl phthalate	22.811	149	659265	31.503	ng/ul	100
90) Benzo(b)fluoranthene	23.928	252	675050	31.279	ng/ul	98
91) Benzo(k)fluoranthene	23.998	252	686863m	31.916	ng/ul	
93) Benzo(a)pyrene	24.803	252	591664	28.951	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	28.652	276	859064m	32.894	ng/ul	
95) Dibenzo(a,h)anthracene	28.716	278	699572m	32.434	ng/ul	
96) Benzo(g,h,i)perylene	29.803	276	648670m	31.221	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

SLCS901

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 07/10/2024

Supervised By :mohammad ahmed 07/10/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061973.D
 Acq On : 9 Jul 2024 14:34
 Operator : MA/JU
 Sample : PB161901BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SLCS901

Manual IntegrationsAPPROVED

Quant Time: Jul 10 00:34:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 07/10/2024
 Supervised By :mohammad ahmed 07/10/2024

