

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061678.D
 Acq On : 24 Jun 2024 16:52
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020534

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 17:32:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	55778	20.000	ng/u1	0.00
20) Naphthalene-d8	10.887	136	290829	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.700	164	216786	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.450	188	559568	20.000	ng/u1	0.00
79) Chrysene-d12	21.716	240	462769	20.000	ng/u1	0.00
88) Perylene-d12	24.941	264	553763	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.472	96	13824	8.953	ng/uL	0.00
4) Pyridine-d5	3.889	84	96348	20.638	ng/u1	0.00
7) Phenol-d5	7.221	99	123542	20.402	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.397	67	74473	19.729	ng/u1	0.00
11) 2-Chlorophenol-d4	7.603	132	87770	21.123	ng/u1	0.00
15) 4-Methylphenol-d8	8.772	113	99034	21.156	ng/u1	0.00
21) Nitrobenzene-d5	9.236	128	43630	22.094	ng/u1	0.00
24) 2-Nitrophenol-d4	9.959	143	50898	25.449	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	97209	20.527	ng/u1	0.00
31) 4-Chloroaniline-d4	11.022	131	144996	20.223	ng/u1	0.00
46) Dimethylphthalate-d6	14.107	166	336952	20.198	ng/u1	0.00
49) Acenaphthylene-d8	14.401	160	373751	20.443	ng/u1	0.00
54) 4-Nitrophenol-d4	14.876	143	64315	22.448	ng/u1	0.00
60) Fluorene-d10	15.693	176	305440	20.914	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.799	200	53114	22.198	ng/u1	0.00
73) Anthracene-d10	17.544	188	506376	19.825	ng/u1	0.00
81) Pyrene-d10	19.824	212	556267	21.520	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.718	264	539044	20.381	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.507	88	14806	7.716	ng/uL#	68
5) Pyridine	3.907	79	97866	19.501	ng/u1	87
6) Benzaldehyde	7.215	77	69807	23.427	ng/u1	91
8) Phenol	7.244	94	123321	19.353	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.491	93	97445	20.318	ng/u1	97
12) 2-Chlorophenol	7.638	128	87548	21.001	ng/u1	92
13) 2-Methylphenol	8.507	108	94077	21.102	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.601	45	202677	20.685	ng/u1#	95
16) Acetophenone	8.901	105	153039	19.855	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.878	70	84032	20.295	ng/u1#	97
18) 4-Methylphenol	8.836	108	103325	20.687	ng/u1	99
19) Hexachloroethane	9.166	117	35071	20.981	ng/u1	92
22) Nitrobenzene	9.283	77	124285	21.848	ng/u1	96
23) Isophorone	9.806	82	244136	18.661	ng/u1	98
25) 2-Nitrophenol	9.994	139	48932	23.397	ng/u1#	66
26) 2,4-Dimethylphenol	10.047	107	115094	19.677	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.288	93	138694	18.740	ng/u1#	97
29) 2,4-Dichlorophenol	10.529	162	89911	20.722	ng/u1	97
30) Naphthalene	10.940	128	322913	19.844	ng/u1	98
32) 4-Chloroaniline	11.040	127	133834	18.821	ng/u1	94
33) Hexachlorobutadiene	11.222	225	63424	21.161	ng/u1	99
34) Caprolactam	11.798	113	36410	20.294	ng/u1	87
35) 4-Chloro-3-methylphenol	12.150	107	124186	20.467	ng/u1	98
36) 2-Methylnaphthalene	12.538	142	228025	19.859	ng/u1	96

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37) 1-Methylnaphthalene	12.755	142	236398	19.295	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.896	216	124053	20.220	ng/ul	99
40) Hexachlorocyclopentadiene	12.879	237	59993	16.434	ng/ul#	88
41) 2,4,6-Trichlorophenol	13.137	196	85816	21.679	ng/ul	92
42) 2,4,5-Trichlorophenol	13.202	196	96530	22.373	ng/ul	90
43) 1,1'-Biphenyl	13.543	154	320035	20.380	ng/ul	96
44) 2-Chloronaphthalene	13.584	162	249221	20.661	ng/ul	100
45) 2-Nitroaniline	13.778	65	99943	24.203	ng/ul	98
47) Dimethylphthalate	14.154	163	322239	19.452	ng/ul#	98
48) 2,6-Dinitrotoluene	14.271	165	69649	25.336	ng/ul#	93
50) Acenaphthylene	14.430	152	407482	19.967	ng/ul	99
51) 3-Nitroaniline	14.600	138	69979	24.858	ng/ul	96
52) Acenaphthene	14.765	153	283065	20.028	ng/ul	98
53) 2,4-Dinitrophenol	14.800	184	32607m	23.342	ng/ul	
55) 4-Nitrophenol	14.894	109	65348	22.087	ng/ul	99
56) Dibenzofuran	15.100	168	407057	20.581	ng/ul	96
57) 2,4-Dinitrotoluene	15.059	165	102462	25.110	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.317	232	92448	21.853	ng/ul#	98
59) Diethylphthalate	15.517	149	351592	20.607	ng/ul	96
61) Fluorene	15.752	166	339315	20.730	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.740	204	169274	20.832	ng/ul	95
63) 4-Nitroaniline	15.758	138	69717	23.376	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.817	198	58673	21.649	ng/ul	95
67) N-Nitrosodiphenylamine	15.952	169	298714	20.643	ng/ul	99
68) 4-Bromophenyl-phenylether	16.639	248	121319	21.057	ng/ul	94
69) Hexachlorobenzene	16.745	284	143208	20.482	ng/ul	98
70) Atrazine	16.898	200	117938	20.405	ng/ul	95
71) Pentachlorophenol	17.086	266	85115	19.984	ng/ul	98
72) Phenanthrene	17.491	178	564205	19.165	ng/ul	99
74) Anthracene	17.579	178	589002	19.565	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.502	216	129660	20.798	ng/uL	97
76) Pentachlorobenzene	15.012	250	148846	19.881	ng/uL	98
77) Carbazole	17.844	167	509651	19.939	ng/ul	98
78) Di-n-butylphthalate	18.414	149	648295	21.206	ng/ul	99
80) Fluoranthene	19.495	202	641432	21.386	ng/ul	98
82) Pyrene	19.853	202	666434	20.897	ng/ul	99
83) Butylbenzylphthalate	20.746	149	284952	24.540	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.604	252	226484	23.146	ng/ul	95
85) Benzo(a)anthracene	21.692	228	654624	20.152	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.616	149	393070	23.029	ng/ul	96
87) Chrysene	21.757	228	612619	19.931	ng/ul	97
89) Di-n-octyl phthalate	22.838	149	687864	23.551	ng/ul	100
90) Benzo(b)fluoranthene	23.913	252	667193	20.043	ng/ul	96
91) Benzo(k)fluoranthene	23.983	252	680166m	19.868	ng/ul	
93) Benzo(a)pyrene	24.788	252	629473	19.642	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.613	276	804590m	20.147	ng/ul	
95) Dibenzo(a,h)anthracene	28.696	278	671766m	20.229	ng/ul	
96) Benzo(g,h,i)perylene	29.771	276	587803	18.259	ng/ul	97

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

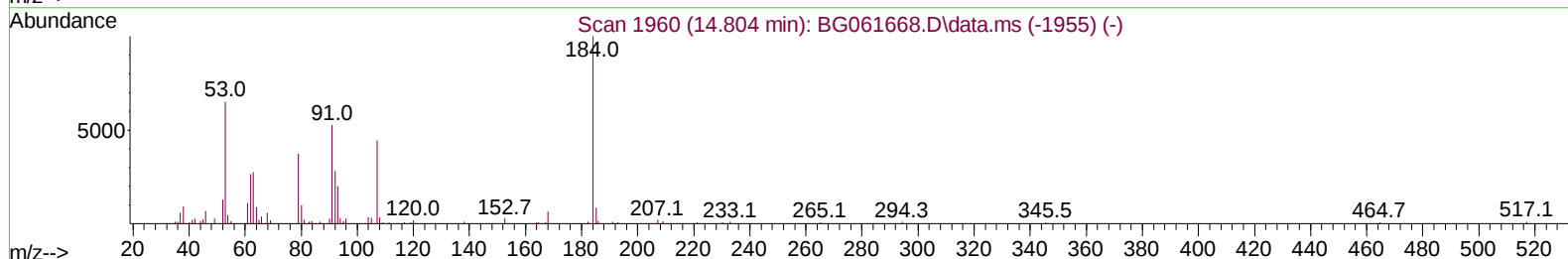
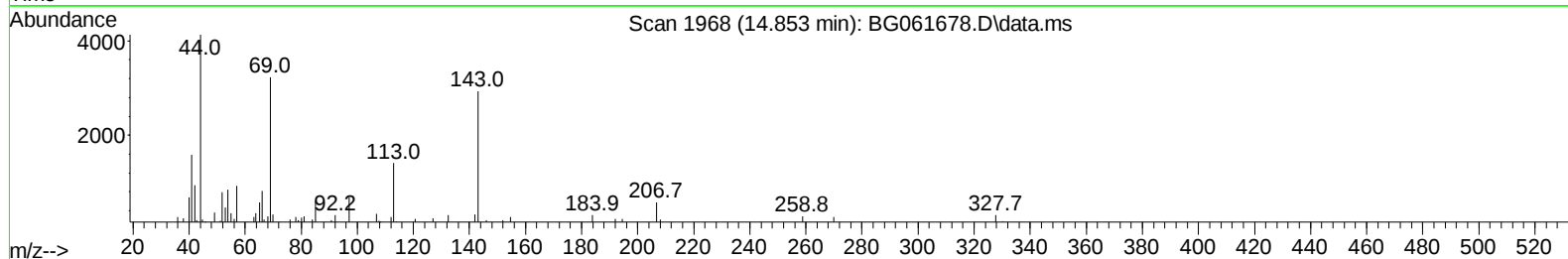
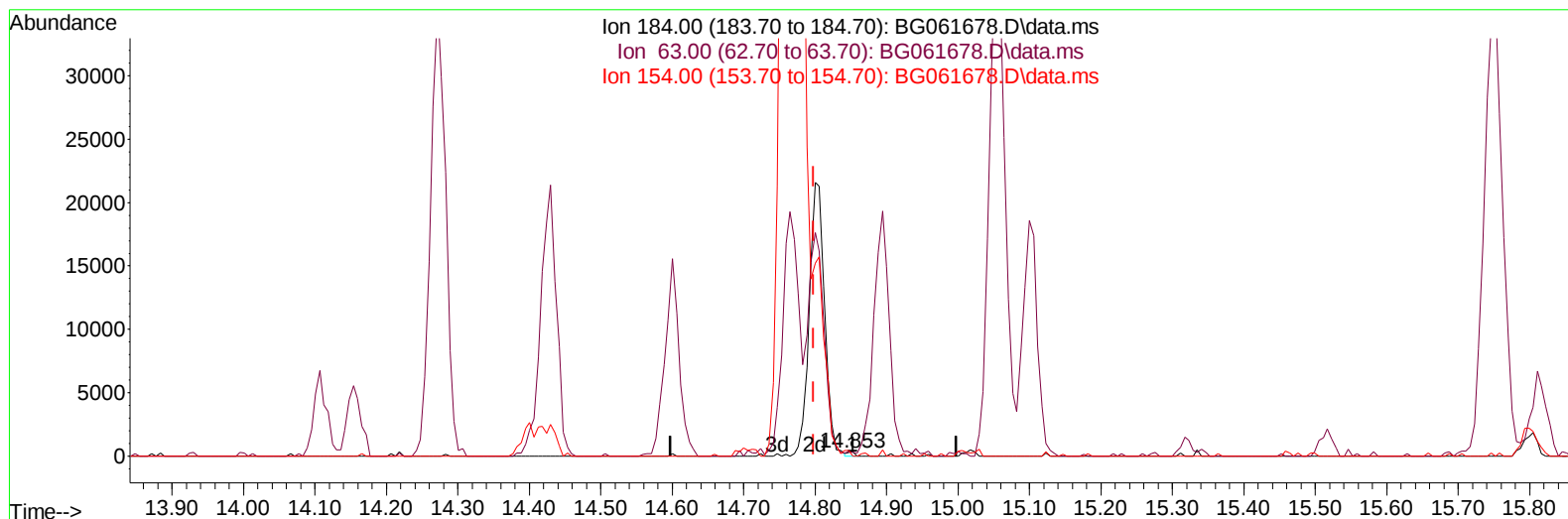
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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TIC: BG061678.D\data.ms

(53) 2,4-Dinitrophenol

14.853min (+ 0.055) 0.14 ng/u1

response 202

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	92.80	84.66
154.00	100.50	84.35
0.00	0.00	0.00

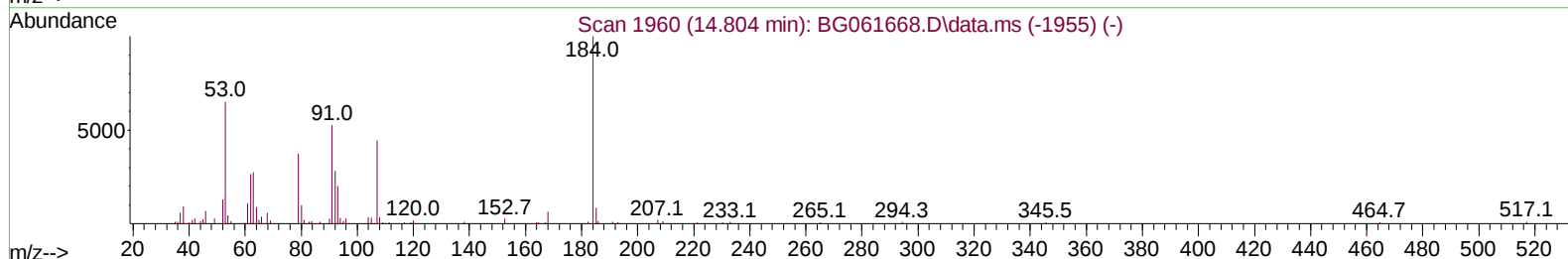
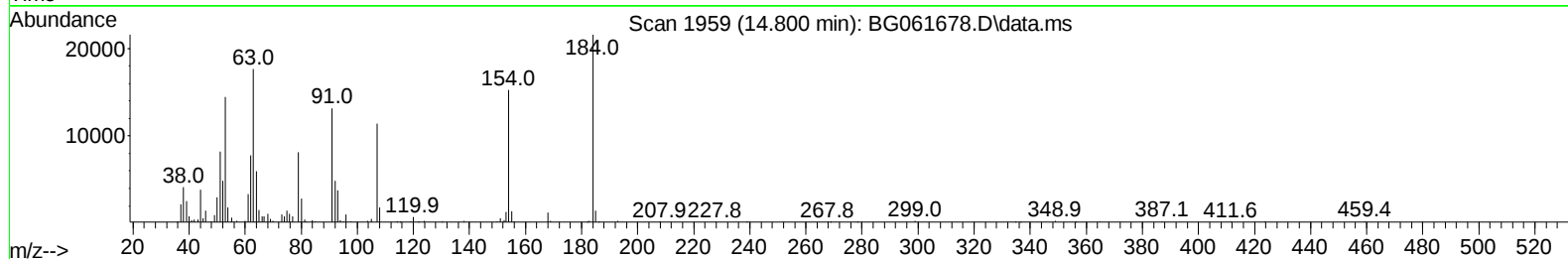
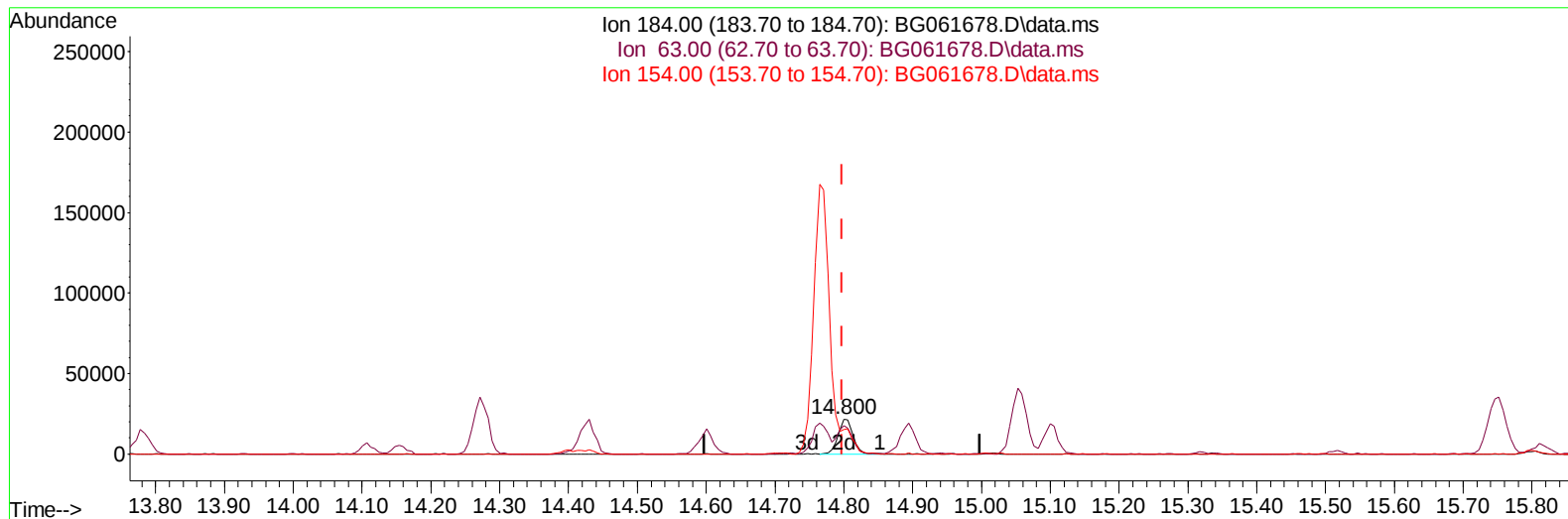
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TIC: BG061678.D\data.ms

(53) 2,4-Dinitrophenol

14.800min (+ 0.002) 23.34 ng/ul m

response 32607

Ion	Exp%	Act%
184.00	100.00	100.00
63.00	92.80	81.71
154.00	100.50	70.62#
0.00	0.00	0.00

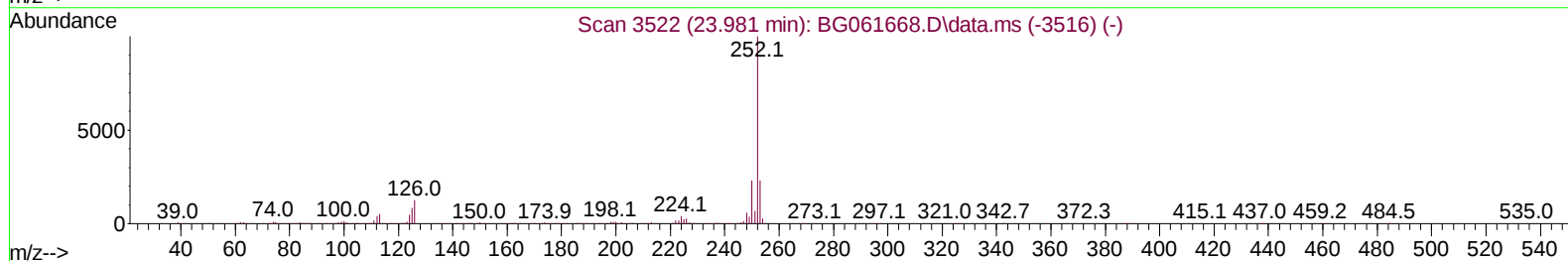
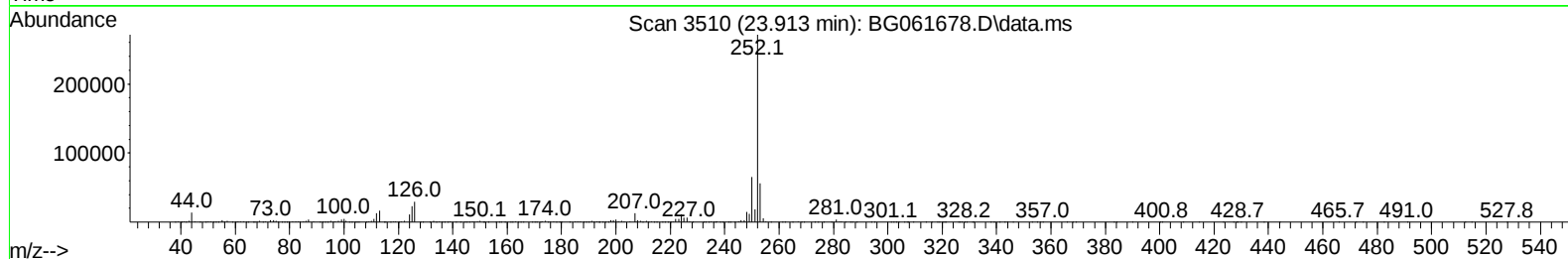
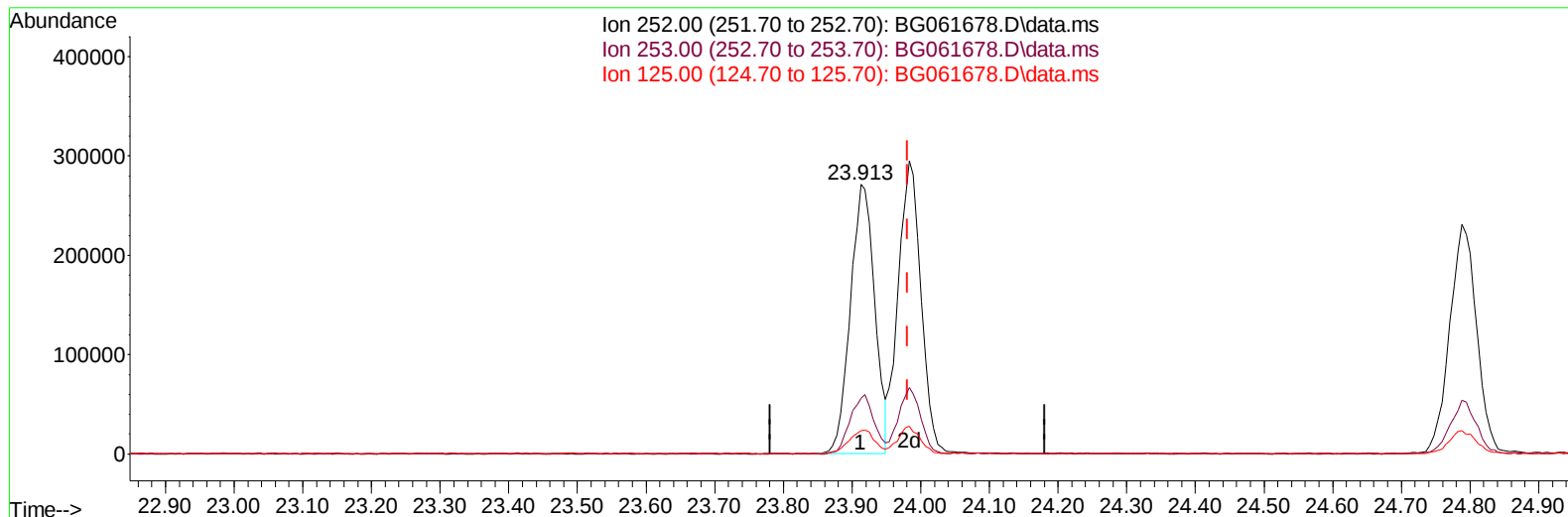
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(91) Benzo(k)fluoranthene

23.913min (-0.068) 19.49 ng/u1

response 667193

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.20	20.61
125.00	7.70	8.60
0.00	0.00	0.00

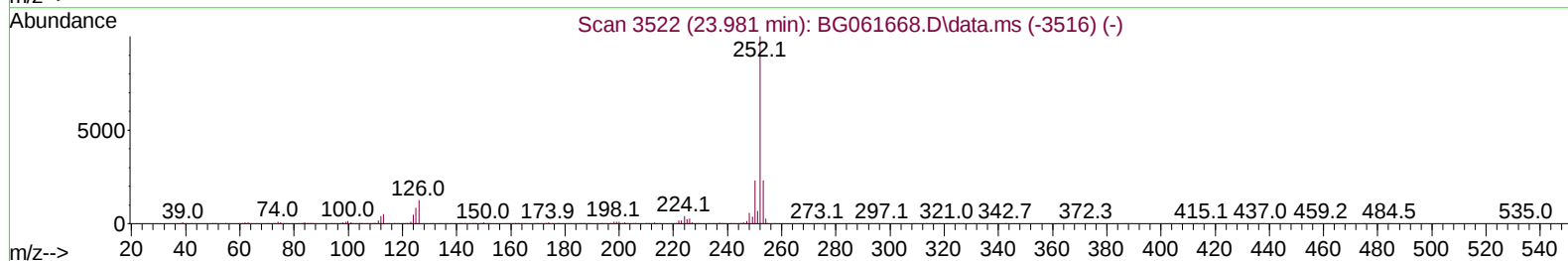
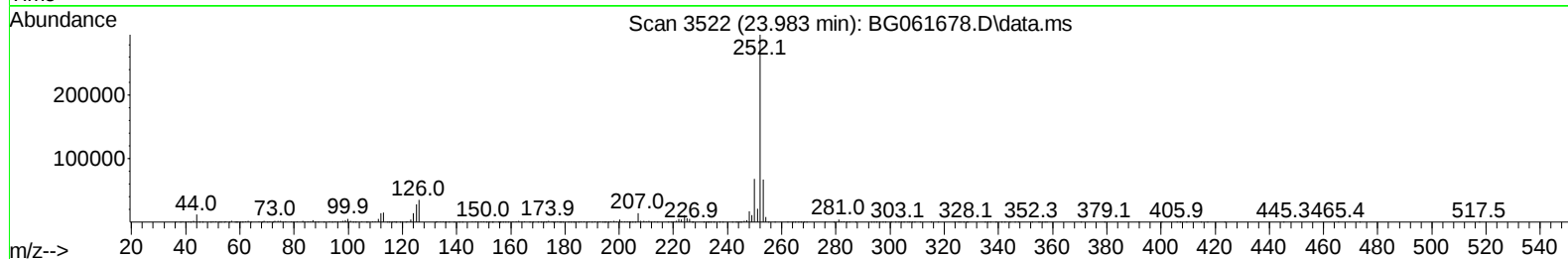
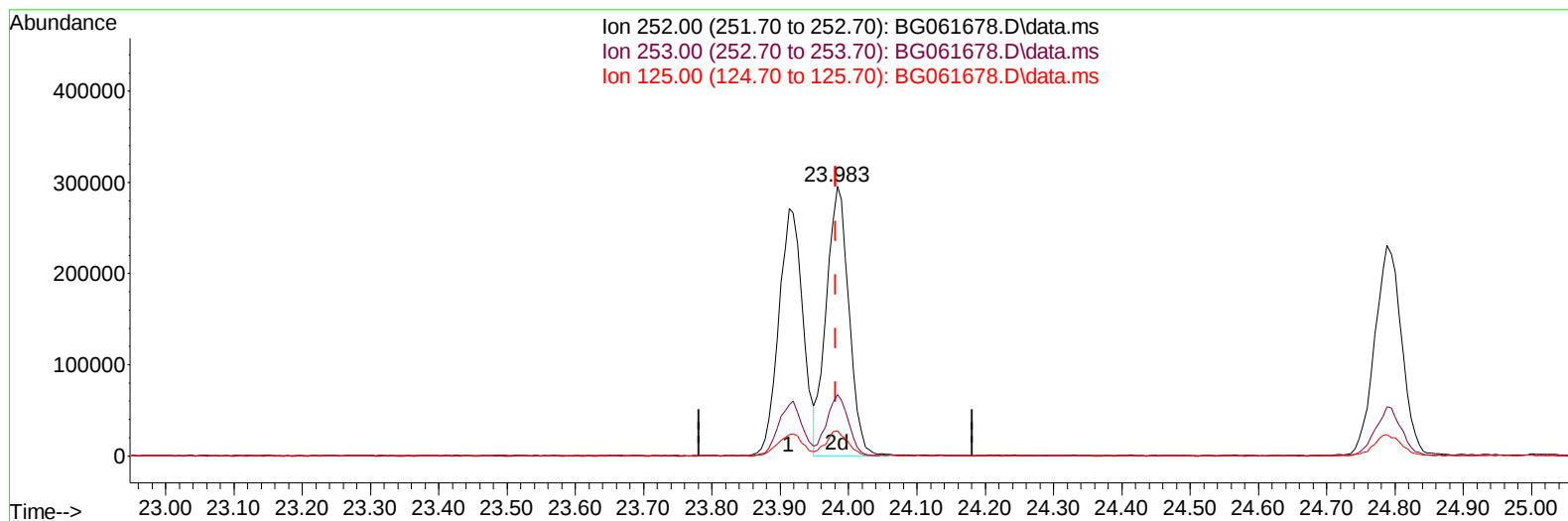
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TIC: BG061678.D\data.ms

(91) Benzo(k)fluoranthene

23.983min (+ 0.002) 19.87 ng/ul m

response 680166

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.20	22.67
125.00	7.70	9.45#
0.00	0.00	0.00

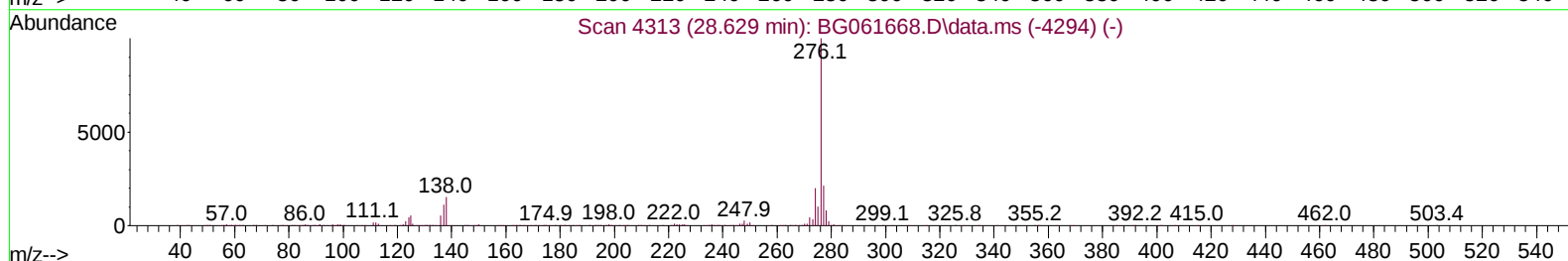
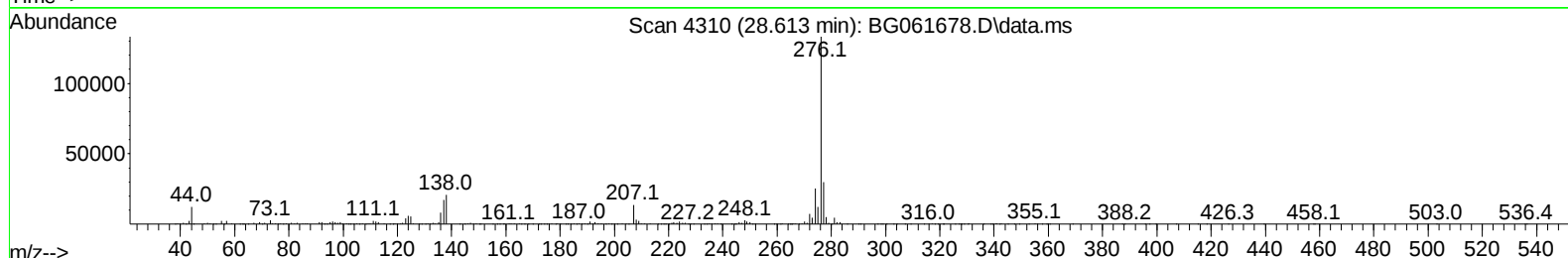
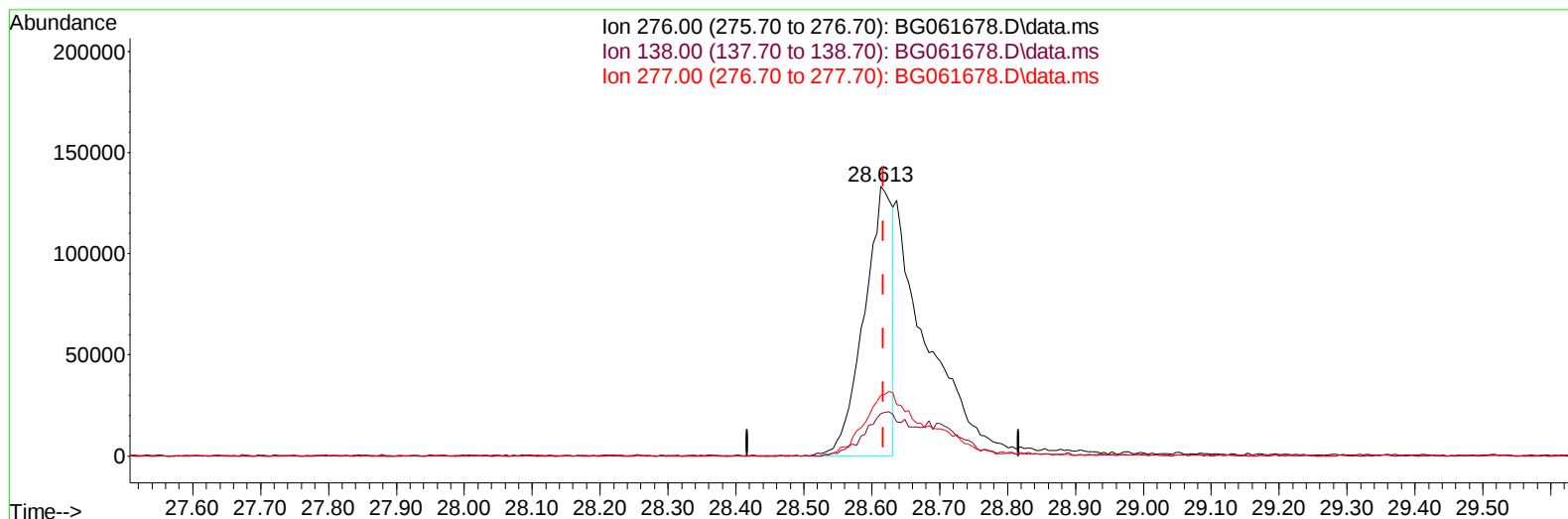
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(94) Indeno(1,2,3-cd)pyrene

28.613min (-0.004) 9.70 ng/u1

response 387280

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	15.30	15.73
277.00	24.60	22.63
0.00	0.00	0.00

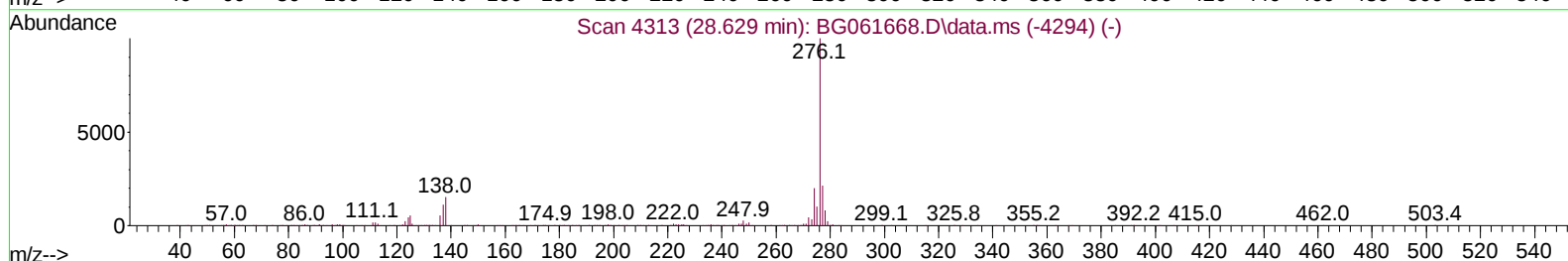
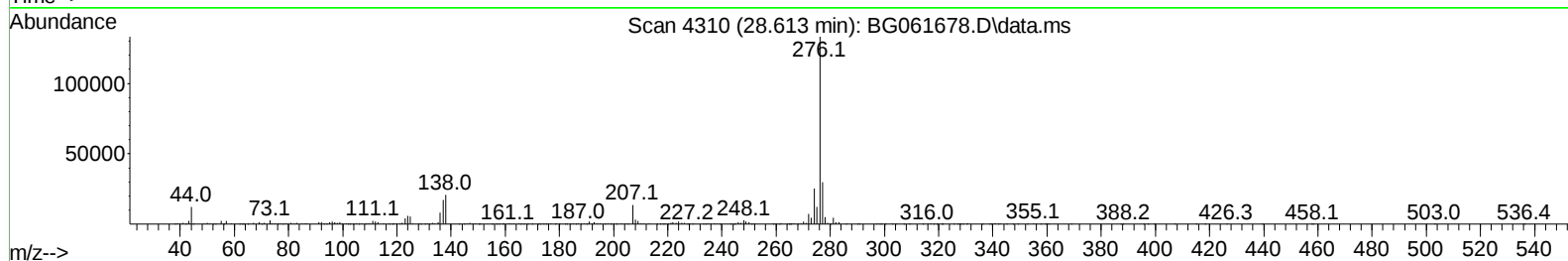
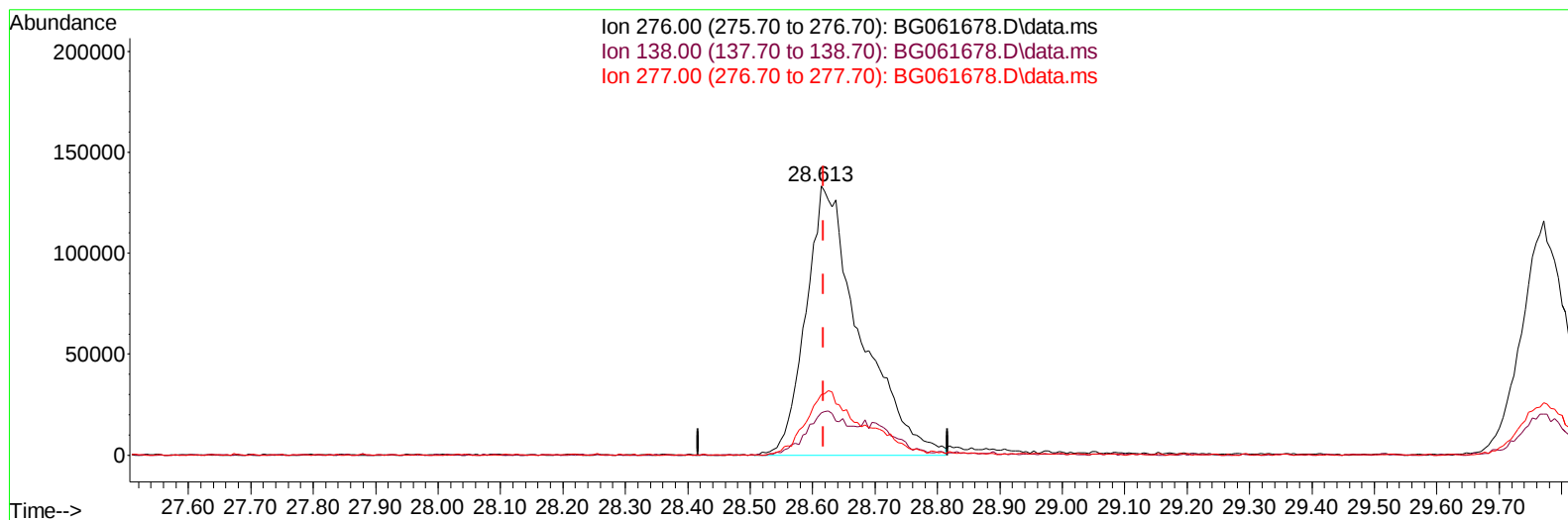
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(94) Indeno(1,2,3-cd)pyrene

28.613min (-0.004) 20.15 ng/ul m

response 804590

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	15.30	15.73
277.00	24.60	22.63
0.00	0.00	0.00

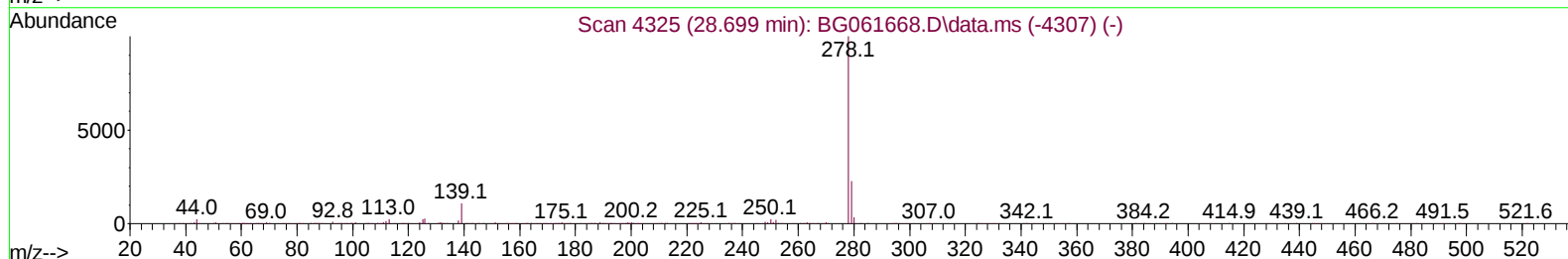
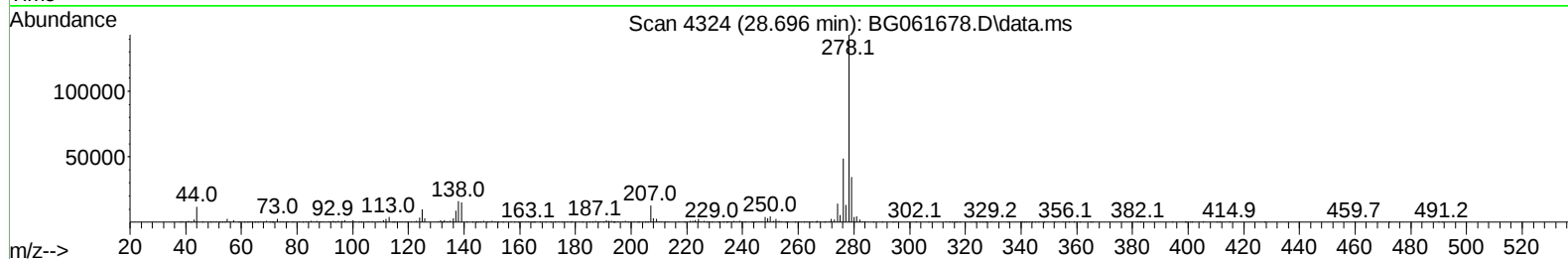
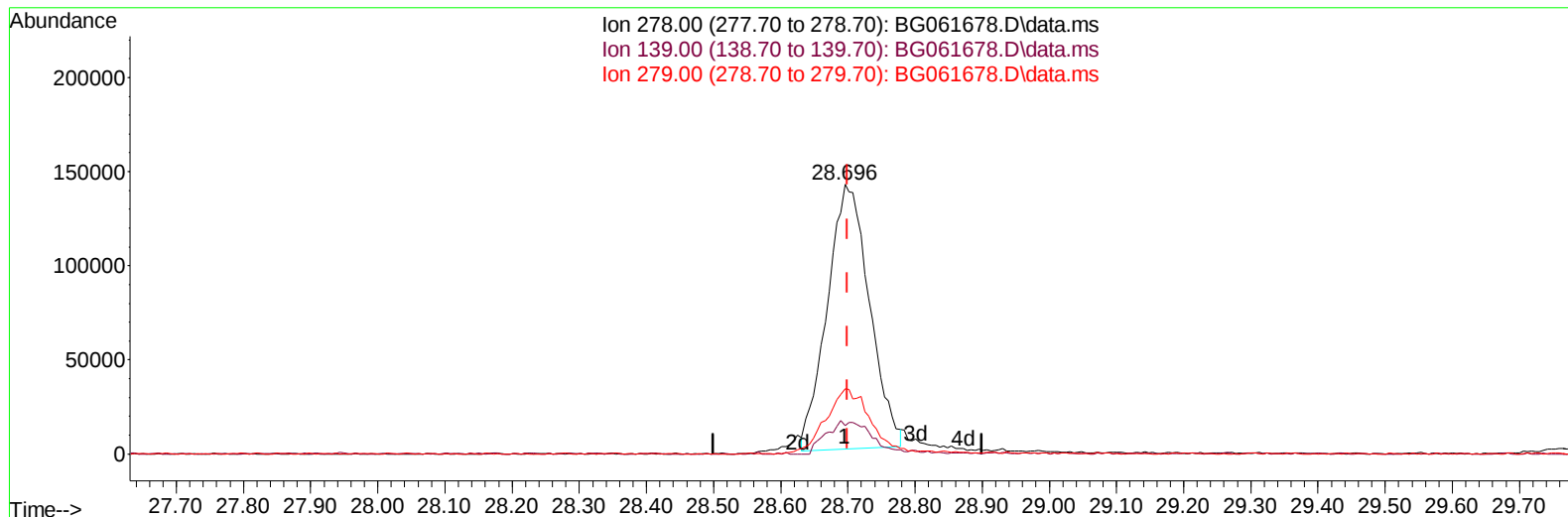
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(95) Dibenzo(a,h)anthracene

28.696min (-0.004) 18.46 ng/u1

response 613116

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.40	10.48
279.00	23.30	24.29
0.00	0.00	0.00

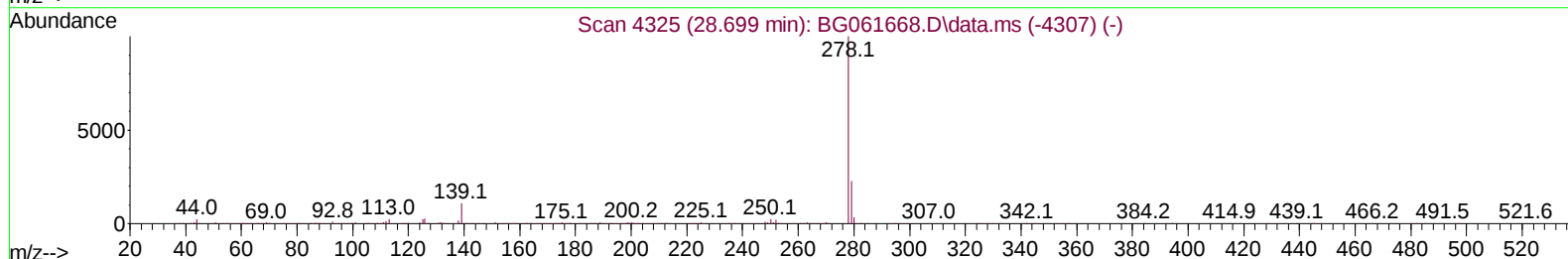
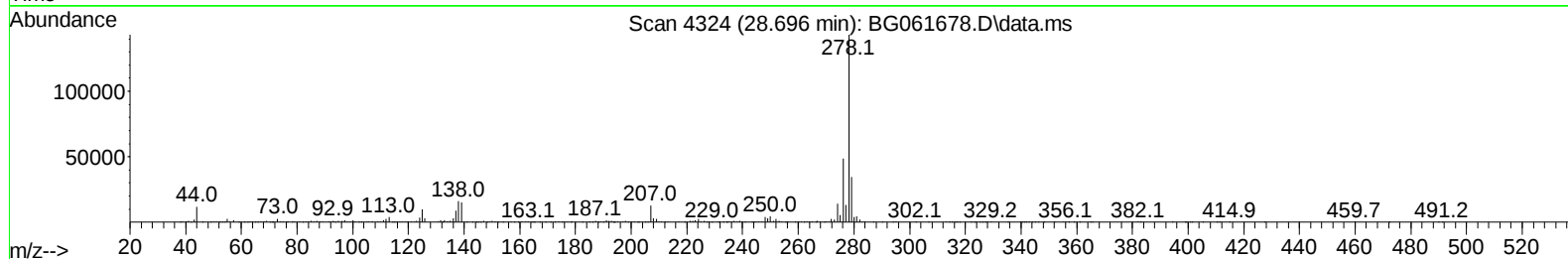
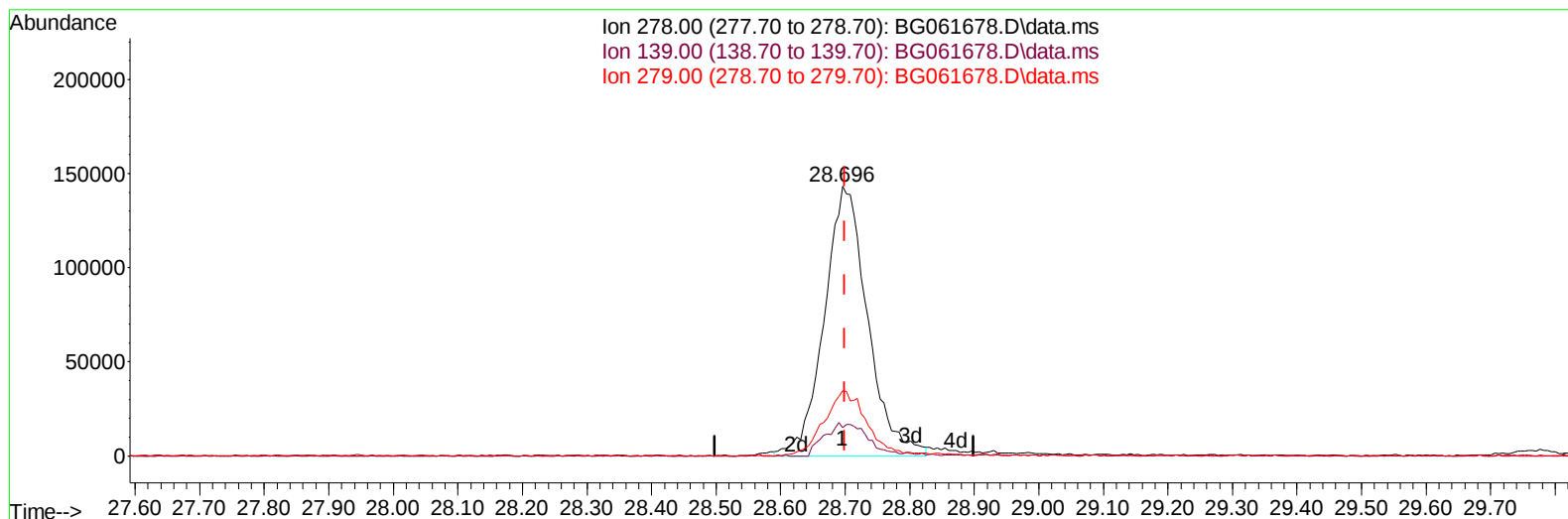
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061678.D
 Acq On : 24 Jun 2024 16:52
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020534

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 17:30:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration



TIC: BG061678.D\data.ms

(95) Dibenzo(a,h)anthracene

28.696min (-0.004) 20.23 ng/ul m

response 671766

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	11.40	10.48
279.00	23.30	24.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061678.D
 Acq On : 24 Jun 2024 16:52
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020534

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 24 17:32:46 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 21 05:03:55 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	55778	20.000	ng/ul	0.00
20) Naphthalene-d8	10.887	136	290829	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.700	164	216786	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.450	188	559568	20.000	ng/ul	0.00
79) Chrysene-d12	21.716	240	462769	20.000	ng/ul	0.00
88) Perylene-d12	24.941	264	553763	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.472	96	13824	8.953	ng/uL	0.00
4) Pyridine-d5	3.889	84	96348	20.638	ng/ul	0.00
7) Phenol-d5	7.221	99	123542	20.402	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.397	67	74473	19.729	ng/ul	0.00
11) 2-Chlorophenol-d4	7.603	132	87770	21.123	ng/ul	0.00
15) 4-Methylphenol-d8	8.772	113	99034	21.156	ng/ul	0.00
21) Nitrobenzene-d5	9.236	128	43630	22.094	ng/ul	0.00
24) 2-Nitrophenol-d4	9.959	143	50898	25.449	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	97209	20.527	ng/ul	0.00
31) 4-Chloroaniline-d4	11.022	131	144996	20.223	ng/ul	0.00
46) Dimethylphthalate-d6	14.107	166	336952	20.198	ng/ul	0.00
49) Acenaphthylene-d8	14.401	160	373751	20.443	ng/ul	0.00
54) 4-Nitrophenol-d4	14.876	143	64315	22.448	ng/ul	0.00
60) Fluorene-d10	15.693	176	305440	20.914	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.799	200	53114	22.198	ng/ul	0.00
73) Anthracene-d10	17.544	188	506376	19.825	ng/ul	0.00
81) Pyrene-d10	19.824	212	556267	21.520	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.718	264	539044	20.381	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.507	88	14806	7.716	ng/uL#	68
5) Pyridine	3.907	79	97866	19.501	ng/ul	87
6) Benzaldehyde	7.215	77	69807	23.427	ng/ul	91
8) Phenol	7.244	94	123321	19.353	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.491	93	97445	20.318	ng/ul	97
12) 2-Chlorophenol	7.638	128	87548	21.001	ng/ul	92
13) 2-Methylphenol	8.507	108	94077	21.102	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.601	45	202677	20.685	ng/ul#	95
16) Acetophenone	8.901	105	153039	19.855	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.878	70	84032	20.295	ng/ul#	97
18) 4-Methylphenol	8.836	108	103325	20.687	ng/ul	99
19) Hexachloroethane	9.166	117	35071	20.981	ng/ul	92
22) Nitrobenzene	9.283	77	124285	21.848	ng/ul	96
23) Isophorone	9.806	82	244136	18.661	ng/ul	98
25) 2-Nitrophenol	9.994	139	48932	23.397	ng/ul#	66
26) 2,4-Dimethylphenol	10.047	107	115094	19.677	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.288	93	138694	18.740	ng/ul#	97
29) 2,4-Dichlorophenol	10.529	162	89911	20.722	ng/ul	97
30) Naphthalene	10.940	128	322913	19.844	ng/ul	98
32) 4-Chloroaniline	11.040	127	133834	18.821	ng/ul	94
33) Hexachlorobutadiene	11.222	225	63424	21.161	ng/ul	99
34) Caprolactam	11.798	113	36410	20.294	ng/ul	87
35) 4-Chloro-3-methylphenol	12.150	107	124186	20.467	ng/ul	98

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Instrument :
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 ClientSampleId :
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Quant Time: Jun 24 17:32:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.538	142	228025	19.859	ng/ul	96
37) 1-Methylnaphthalene	12.755	142	236398	19.295	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.896	216	124053	20.220	ng/ul	99
40) Hexachlorocyclopentadiene	12.879	237	59993	16.434	ng/ul#	88
41) 2,4,6-Trichlorophenol	13.137	196	85816	21.679	ng/ul	92
42) 2,4,5-Trichlorophenol	13.202	196	96530	22.373	ng/ul	90
43) 1,1'-Biphenyl	13.543	154	320035	20.380	ng/ul	96
44) 2-Chloronaphthalene	13.584	162	249221	20.661	ng/ul	100
45) 2-Nitroaniline	13.778	65	99943	24.203	ng/ul	98
47) Dimethylphthalate	14.154	163	322239	19.452	ng/ul#	98
48) 2,6-Dinitrotoluene	14.271	165	69649	25.336	ng/ul#	93
50) Acenaphthylene	14.430	152	407482	19.967	ng/ul	99
51) 3-Nitroaniline	14.600	138	69979	24.858	ng/ul	96
52) Acenaphthene	14.765	153	283065	20.028	ng/ul	98
53) 2,4-Dinitrophenol	14.800	184	32607m	23.342	ng/ul	
55) 4-Nitrophenol	14.894	109	65348	22.087	ng/ul	99
56) Dibenzofuran	15.100	168	407057	20.581	ng/ul	96
57) 2,4-Dinitrotoluene	15.059	165	102462	25.110	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.317	232	92448	21.853	ng/ul#	98
59) Diethylphthalate	15.517	149	351592	20.607	ng/ul	96
61) Fluorene	15.752	166	339315	20.730	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.740	204	169274	20.832	ng/ul	95
63) 4-Nitroaniline	15.758	138	69717	23.376	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.817	198	58673	21.649	ng/ul	95
67) N-Nitrosodiphenylamine	15.952	169	298714	20.643	ng/ul	99
68) 4-Bromophenyl-phenylether	16.639	248	121319	21.057	ng/ul	94
69) Hexachlorobenzene	16.745	284	143208	20.482	ng/ul	98
70) Atrazine	16.898	200	117938	20.405	ng/ul	95
71) Pentachlorophenol	17.086	266	85115	19.984	ng/ul	98
72) Phenanthrene	17.491	178	564205	19.165	ng/ul	99
74) Anthracene	17.579	178	589002	19.565	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.502	216	129660	20.798	ng/uL	97
76) Pentachlorobenzene	15.012	250	148846	19.881	ng/uL	98
77) Carbazole	17.844	167	509651	19.939	ng/ul	98
78) Di-n-butylphthalate	18.414	149	648295	21.206	ng/ul	99
80) Fluoranthene	19.495	202	641432	21.386	ng/ul	98
82) Pyrene	19.853	202	666434	20.897	ng/ul	99
83) Butylbenzylphthalate	20.746	149	284952	24.540	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.604	252	226484	23.146	ng/ul	95
85) Benzo(a)anthracene	21.692	228	654624	20.152	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.616	149	393070	23.029	ng/ul	96
87) Chrysene	21.757	228	612619	19.931	ng/ul	97
89) Di-n-octyl phthalate	22.838	149	687864	23.551	ng/ul	100
90) Benzo(b)fluoranthene	23.913	252	667193	20.043	ng/ul	96
91) Benzo(k)fluoranthene	23.983	252	680166m	19.868	ng/ul	
93) Benzo(a)pyrene	24.788	252	629473	19.642	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	28.613	276	804590m	20.147	ng/ul	
95) Dibenzo(a,h)anthracene	28.696	278	671766m	20.229	ng/ul	
96) Benzo(g,h,i)perylene	29.771	276	587803	18.259	ng/ul	97

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