

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
 Data File : BG059288.D
 Acq On : 5 Oct 2023 8:46
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020585

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 22:44:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	35995	20.000	ng/u1	0.00
20) Naphthalene-d8	11.073	136	186423	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.862	164	120548	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.612	188	264390	20.000	ng/u1	0.00
79) Chrysene-d12	21.913	240	253853	20.000	ng/u1	0.00
88) Perylene-d12	25.385	264	292401	20.000	ng/u1	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.528	96	7456	7.818	ng/uL	0.00
4) Pyridine-d5	3.957	84	55291	19.869	ng/u1	0.00
7) Phenol-d5	7.353	99	74306	20.623	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.547	67	47650	20.702	ng/u1	0.00
11) 2-Chlorophenol-d4	7.747	132	53563	22.115	ng/u1	0.00
15) 4-Methylphenol-d8	8.922	113	58392	20.966	ng/u1	0.00
21) Nitrobenzene-d5	9.427	128	28899	21.968	ng/u1	0.00
24) 2-Nitrophenol-d4	10.150	143	30433	23.565	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.673	165	58076	21.891	ng/u1	0.00
31) 4-Chloroaniline-d4	11.219	131	85473	19.913	ng/u1	0.00
46) Dimethylphthalate-d6	14.257	166	174738	20.049	ng/u1	0.00
49) Acenaphthylene-d8	14.568	160	224804	20.549	ng/u1	0.00
54) 4-Nitrophenol-d4	15.056	143	31223	20.515	ng/u1	0.00
60) Fluorene-d10	15.849	176	164670	19.851	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.961	200	27459	20.205	ng/u1	0.00
73) Anthracene-d10	17.712	188	248611	20.637	ng/u1	0.00
81) Pyrene-d10	19.986	212	279128	19.635	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.144	264	283383	20.168	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.564	88	8105	7.233	ng/uL#	76
5) Pyridine	3.981	79	57828	20.464	ng/u1	93
6) Benzaldehyde	7.371	77	37071	23.429	ng/u1	92
8) Phenol	7.383	94	75668	21.112	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.647	93	59207	20.141	ng/u1	90
12) 2-Chlorophenol	7.776	128	56579	22.156	ng/u1	99
13) 2-Methylphenol	8.658	108	56973	21.039	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.740	45	135028	20.778	ng/u1#	97
16) Acetophenone	9.069	105	89098	20.656	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.034	70	44186	20.195	ng/u1	96
18) 4-Methylphenol	8.987	108	60219	20.988	ng/u1	97
19) Hexachloroethane	9.310	117	21658	21.528	ng/u1	97
22) Nitrobenzene	9.469	77	67901	20.910	ng/u1	94
23) Isophorone	9.974	82	138792	19.875	ng/u1	98
25) 2-Nitrophenol	10.174	139	33201	23.333	ng/u1	94
26) 2,4-Dimethylphenol	10.203	107	63725	20.945	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.461	93	87231	19.798	ng/u1	99
29) 2,4-Dichlorophenol	10.702	162	57391	21.763	ng/u1	98
30) Naphthalene	11.125	128	203143	20.324	ng/u1	98
32) 4-Chloroaniline	11.243	127	80915	19.714	ng/u1	90
33) Hexachlorobutadiene	11.355	225	36773	20.835	ng/u1#	88
34) Caprolactam	12.018	113	18838m	20.645	ng/u1	
35) 4-Chloro-3-methylphenol	12.318	107	60110	21.363	ng/u1	95
36) 2-Methylnaphthalene	12.706	142	129592	19.791	ng/u1	98

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37) 1-Methylnaphthalene	12.923	142	135180	20.340	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	13.053	216	70604	19.563	ng/ul	99
40) Hexachlorocyclopentadiene	13.006	237	36163	16.244	ng/ul	93
41) 2,4,6-Trichlorophenol	13.293	196	45679	20.673	ng/ul	86
42) 2,4,5-Trichlorophenol	13.370	196	49394	21.304	ng/ul	94
43) 1,1'-Biphenyl	13.699	154	190107	19.527	ng/ul	97
44) 2-Chloronaphthalene	13.752	162	146021	19.921	ng/ul#	93
45) 2-Nitroaniline	13.975	65	50178	24.269	ng/ul	90
47) Dimethylphthalate	14.304	163	177040	19.832	ng/ul	99
48) 2,6-Dinitrotoluene	14.451	165	35602	23.448	ng/ul	91
50) Acenaphthylene	14.598	152	230730	19.759	ng/ul	98
51) 3-Nitroaniline	14.792	138	34436	21.010	ng/ul	91
52) Acenaphthene	14.927	153	160730	20.053	ng/ul	94
53) 2,4-Dinitrophenol	14.986	184	14102	16.708	ng/ul#	81
55) 4-Nitrophenol	15.068	109	22666	21.112	ng/ul	96
56) Dibenzofuran	15.262	168	215085	20.245	ng/ul	99
57) 2,4-Dinitrotoluene	15.232	165	50618	22.515	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.473	232	46466	22.138	ng/ul#	91
59) Diethylphthalate	15.650	149	174656	20.238	ng/ul	97
61) Fluorene	15.908	166	179851	20.161	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.890	204	88187	19.831	ng/ul	98
63) 4-Nitroaniline	15.955	138	33165	21.987	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.979	198	28759	20.070	ng/ul#	93
67) N-Nitrosodiphenylamine	16.108	169	145349	20.624	ng/ul	95
68) 4-Bromophenyl-phenylether	16.789	248	54229	21.172	ng/ul	96
69) Hexachlorobenzene	16.878	284	59763	20.653	ng/ul	95
70) Atrazine	17.042	200	55887	20.855	ng/ul	93
71) Pentachlorophenol	17.236	266	35269m	21.178	ng/ul	
72) Phenanthrene	17.653	178	296882	20.461	ng/ul	99
74) Anthracene	17.747	178	306282	20.443	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.658	216	73529	21.104	ng/ul	95
76) Pentachlorobenzene	15.156	250	71984	20.924	ng/ul	97
77) Carbazole	18.023	167	262320	21.483	ng/ul	98
78) Di-n-butylphthalate	18.529	149	307088	21.215	ng/ul	100
80) Fluoranthene	19.651	202	344184	19.653	ng/ul	97
82) Pyrene	20.015	202	367384	19.805	ng/ul	99
83) Butylbenzylphthalate	20.867	149	139813	21.373	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.807	252	129162	21.970	ng/ul	94
85) Benzo(a)anthracene	21.889	228	360648	20.182	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.719	149	207363	20.876	ng/ul	98
87) Chrysene	21.960	228	345413	20.466	ng/ul	97
89) Di-n-octyl phthalate	23.011	149	350692	20.622	ng/ul	100
90) Benzo(b)fluoranthene	24.263	252	364258	20.339	ng/ul	95
91) Benzo(k)fluoranthene	24.339	252	366941	20.221	ng/ul	98
93) Benzo(a)pyrene	25.221	252	338974	19.952	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.404	276	392662m	20.417	ng/ul	
95) Dibenzo(a,h)anthracene	29.474	278	311743	19.933	ng/ul	97
96) Benzo(g,h,i)perylene	30.685	276	317341m	20.294	ng/ul	

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

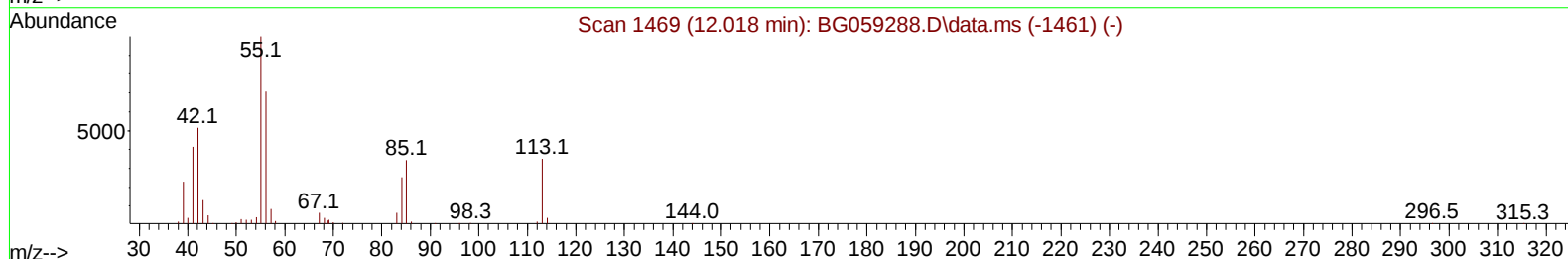
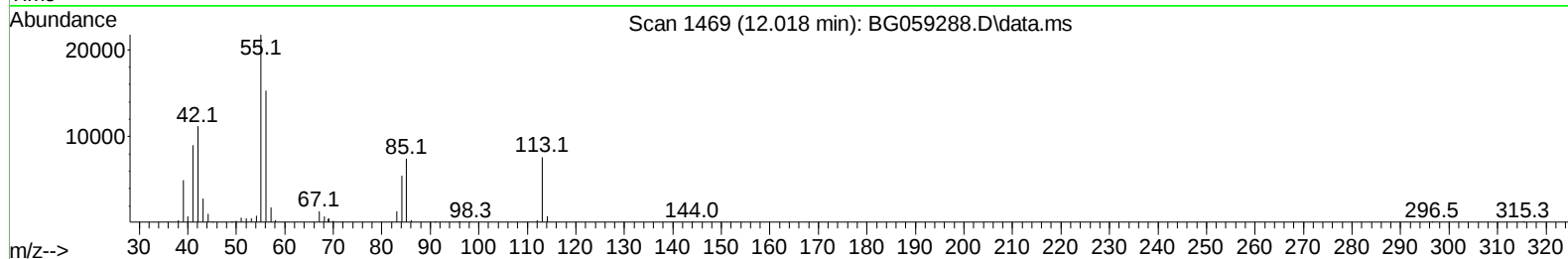
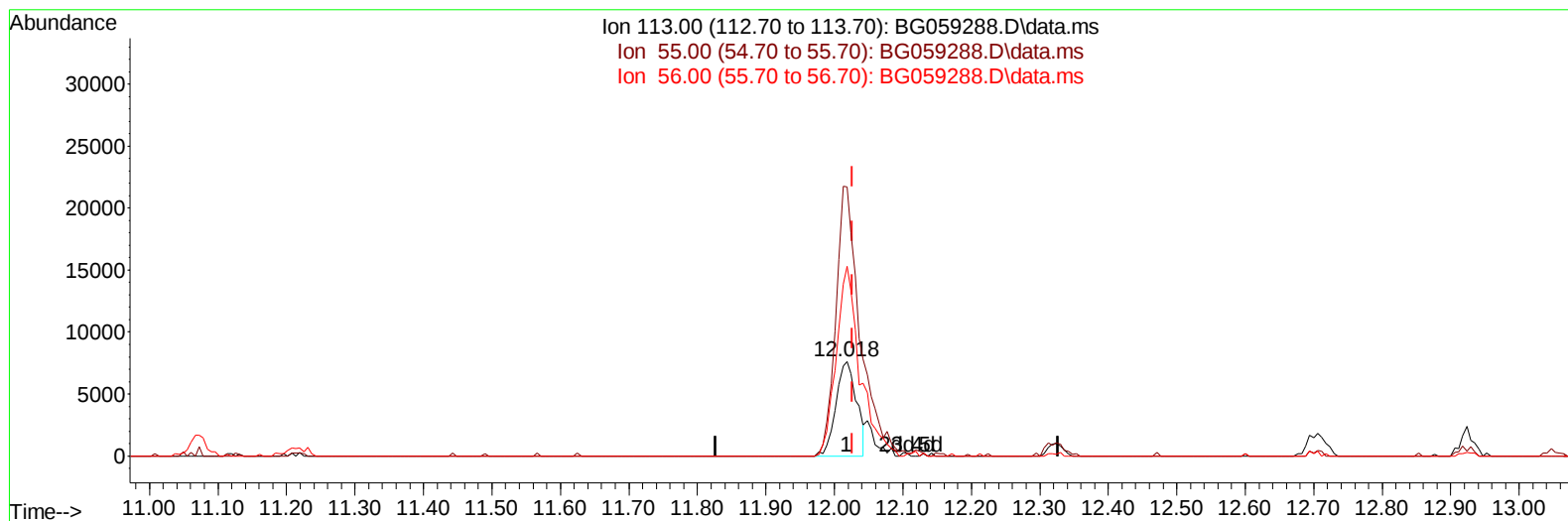
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 BNA_G
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(34) Caprolactam

12.018min (-0.008) 17.51 ng/ul

response 15977

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	264.10	285.04
56.00	209.90	201.12
0.00	0.00	0.00

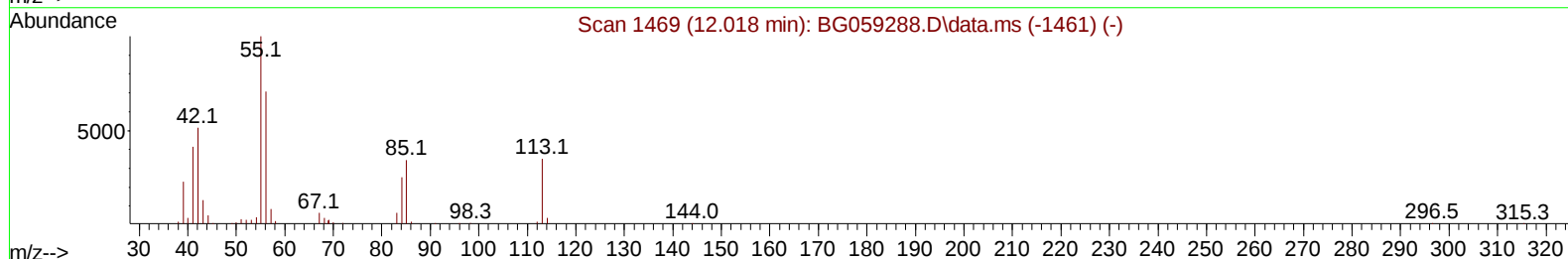
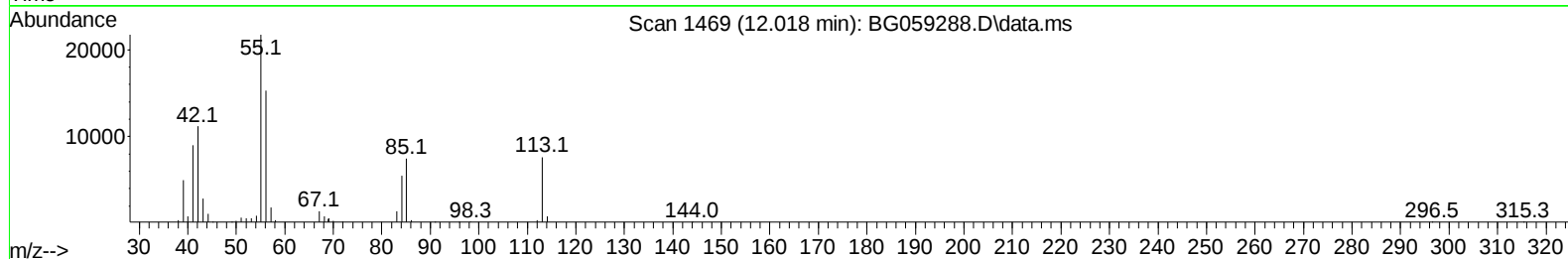
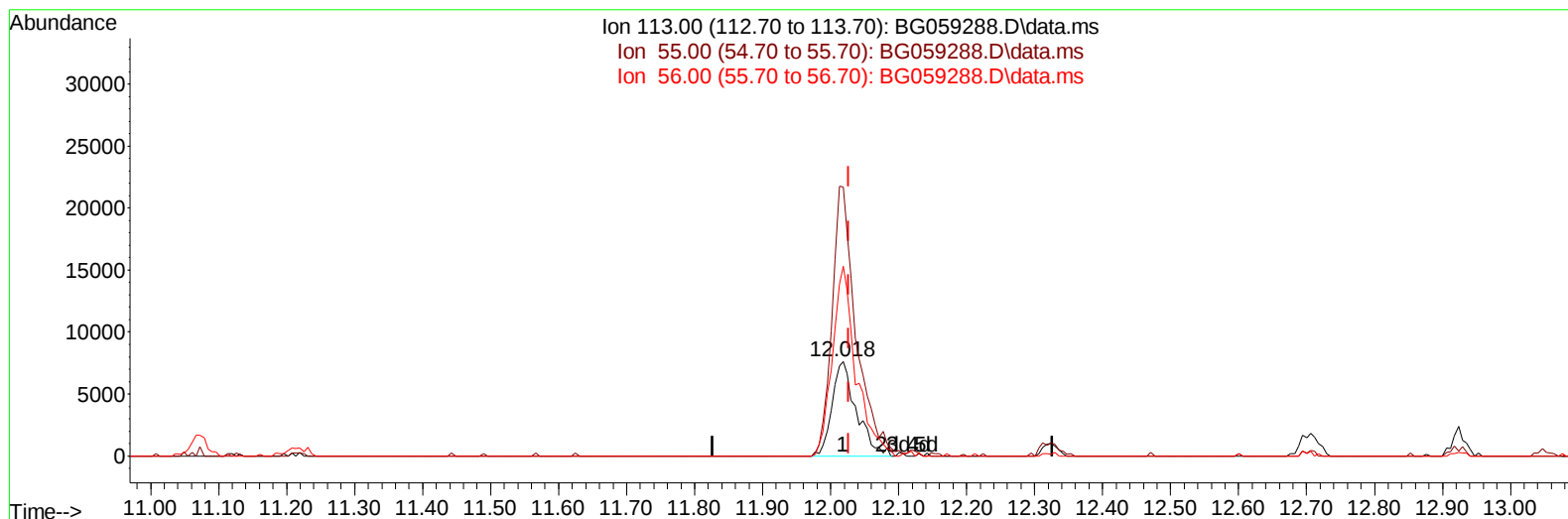
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(34) Caprolactam

12.018min (-0.008) 20.65 ng/ul m

response 18838

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	264.10	285.04
56.00	209.90	201.12
0.00	0.00	0.00

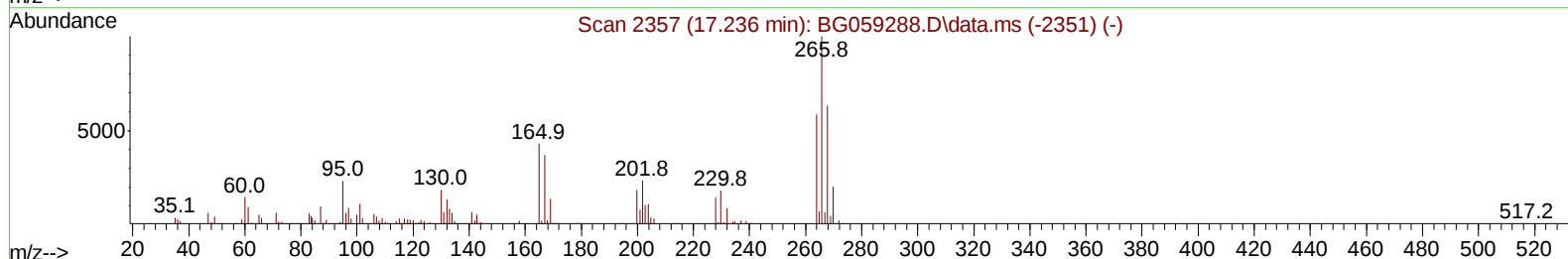
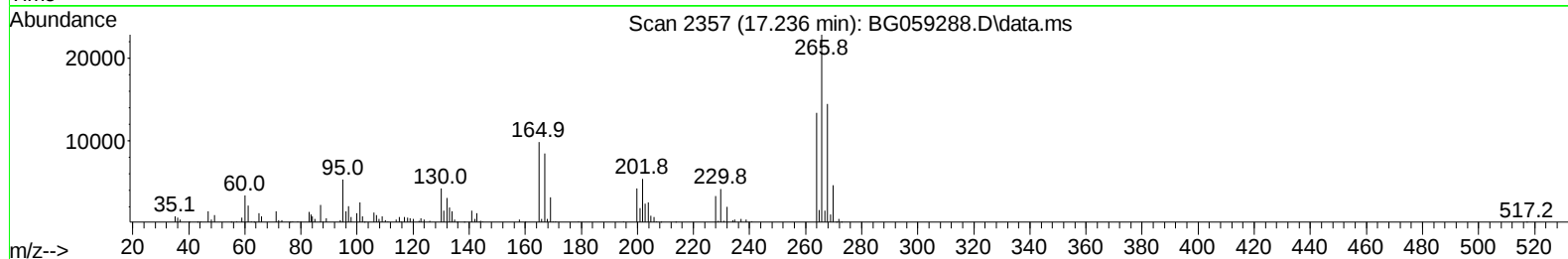
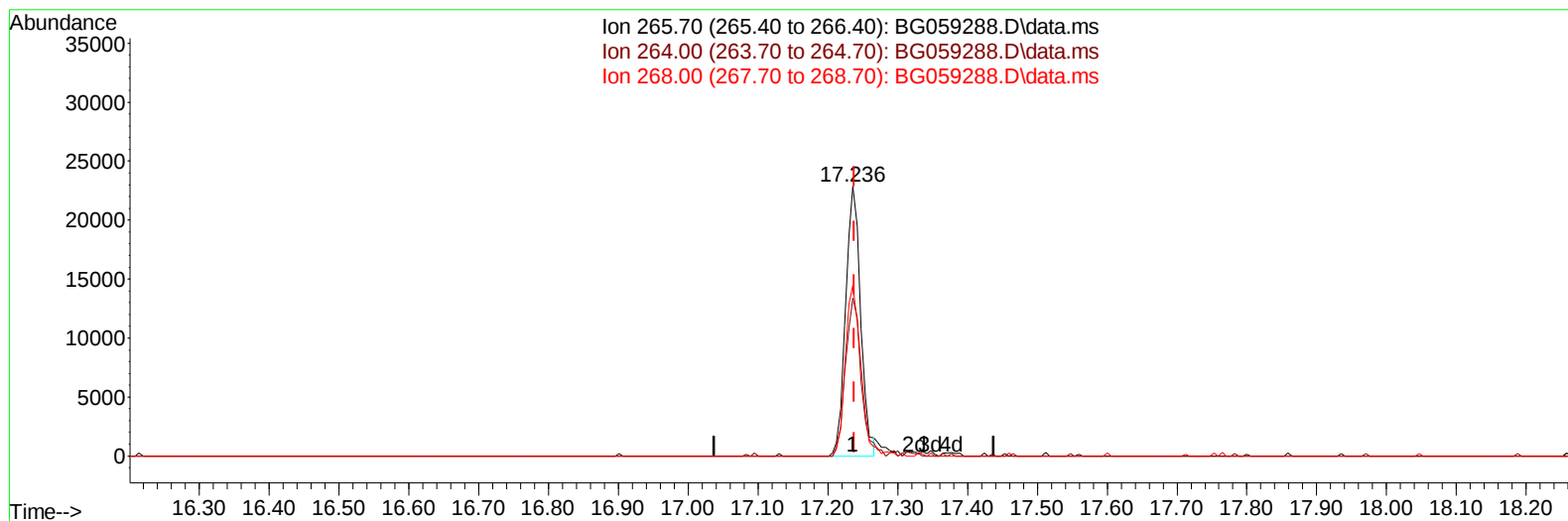
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(71) Pentachlorophenol (C)

17.236min (-0.002) 20.38 ng/u1

response 33933

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	58.00	58.51
268.00	57.50	63.38
0.00	0.00	0.00

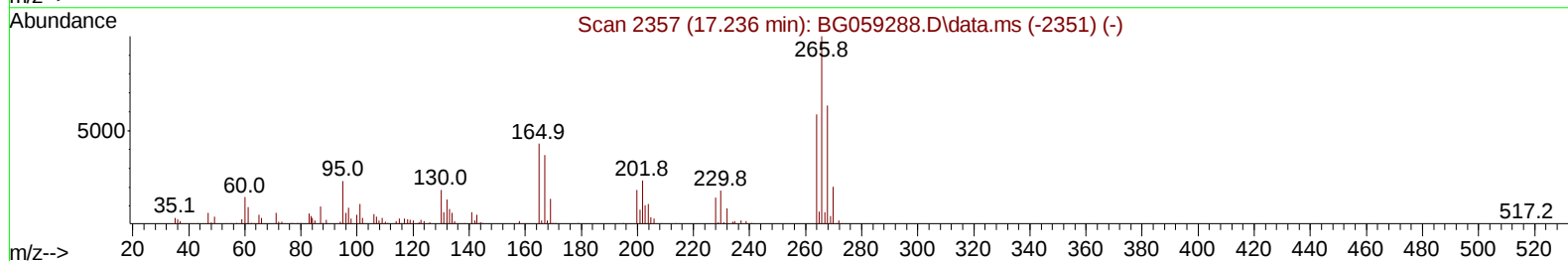
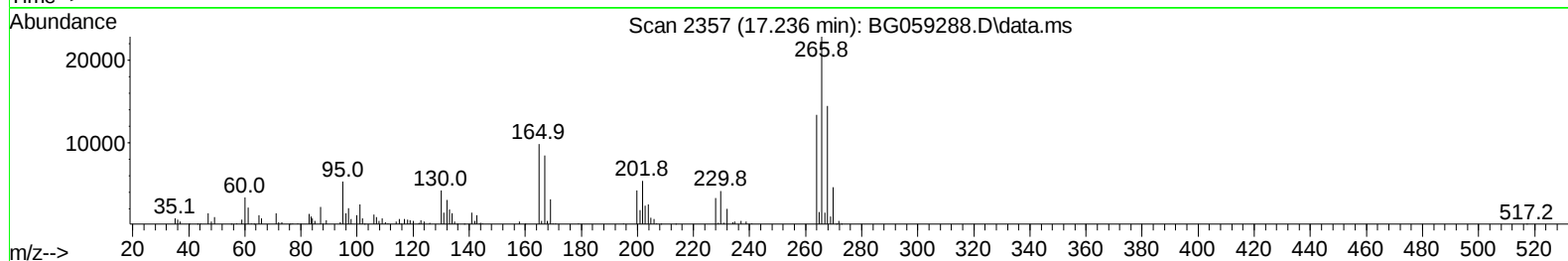
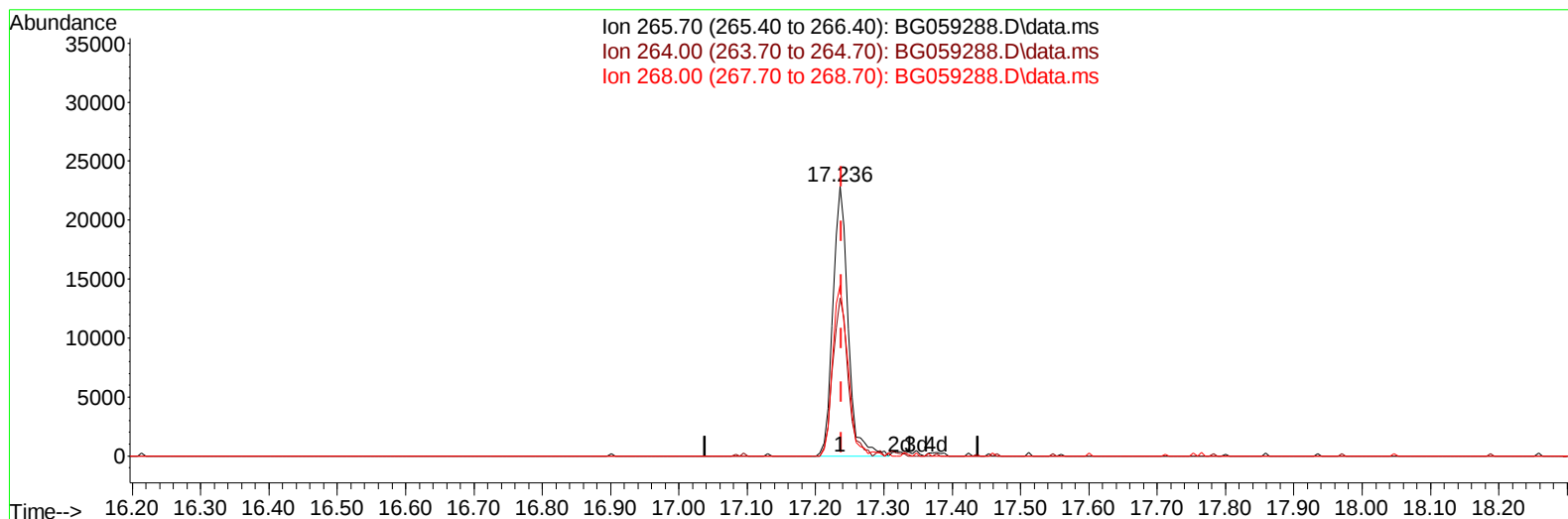
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TIC: BG059288.D\data.ms

(71) Pentachlorophenol (C)

17.236min (-0.002) 21.18 ng/ul m

response 35269

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	58.00	58.51
268.00	57.50	63.38
0.00	0.00	0.00

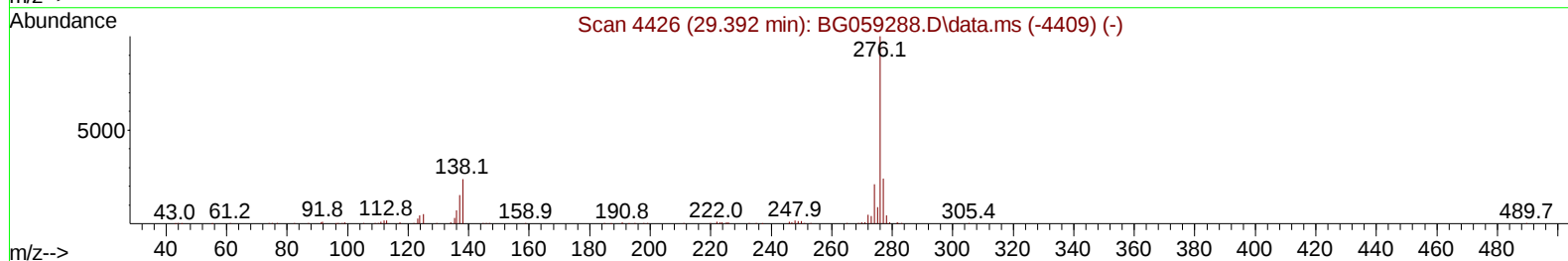
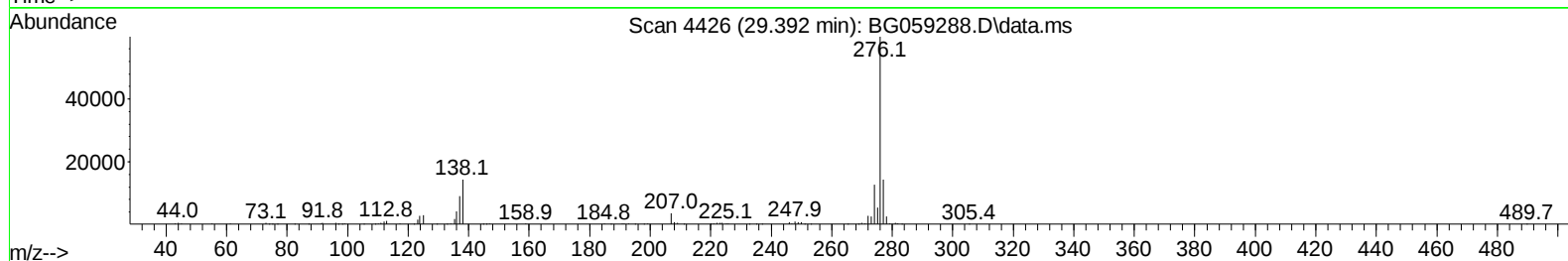
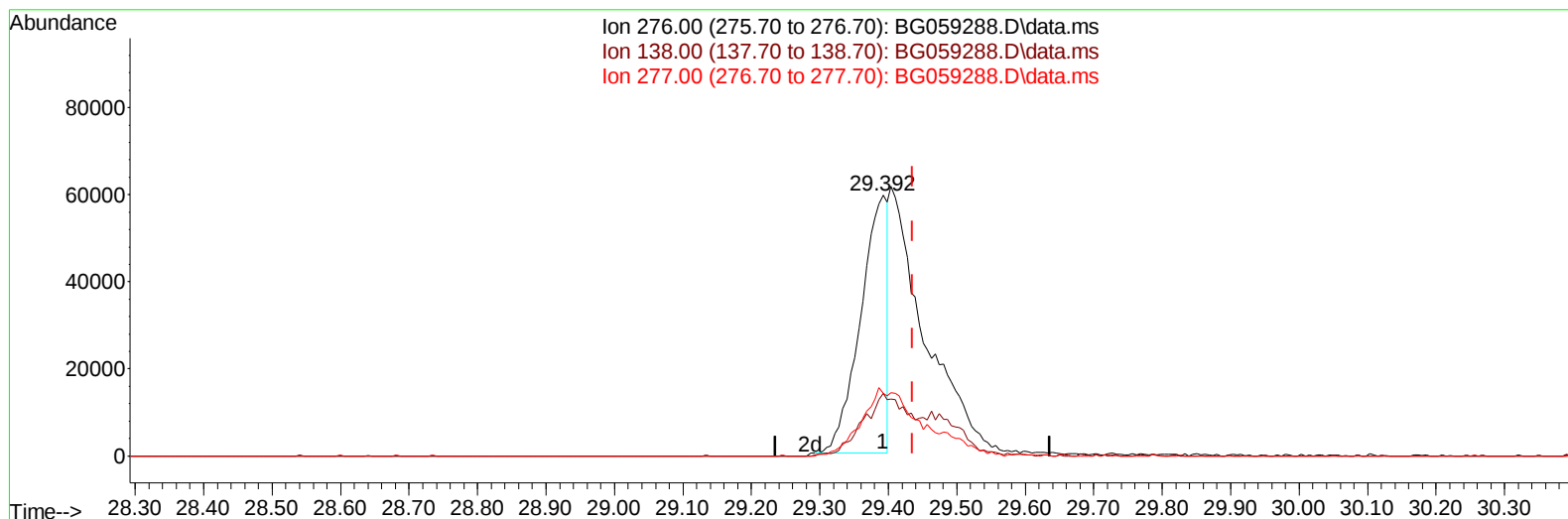
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(94) Indeno(1,2,3-cd)pyrene

29.392min (-0.044) 8.48 ng/u1

response 163127

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.30	23.96
277.00	23.30	23.95
0.00	0.00	0.00

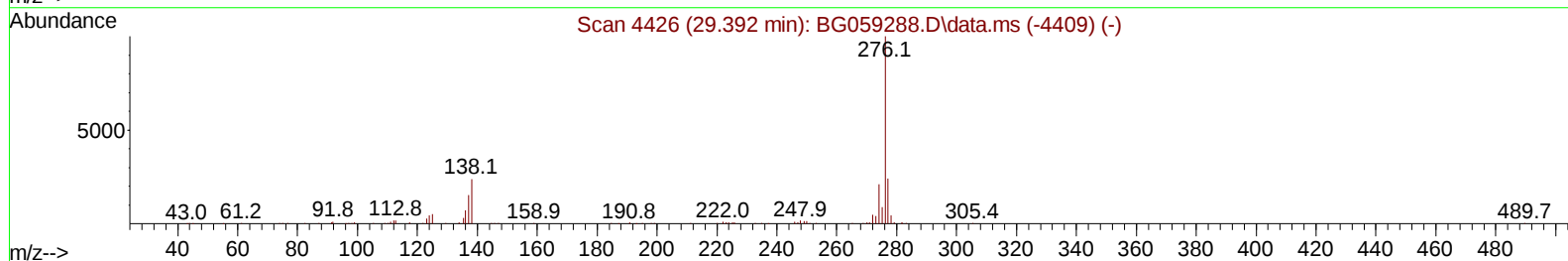
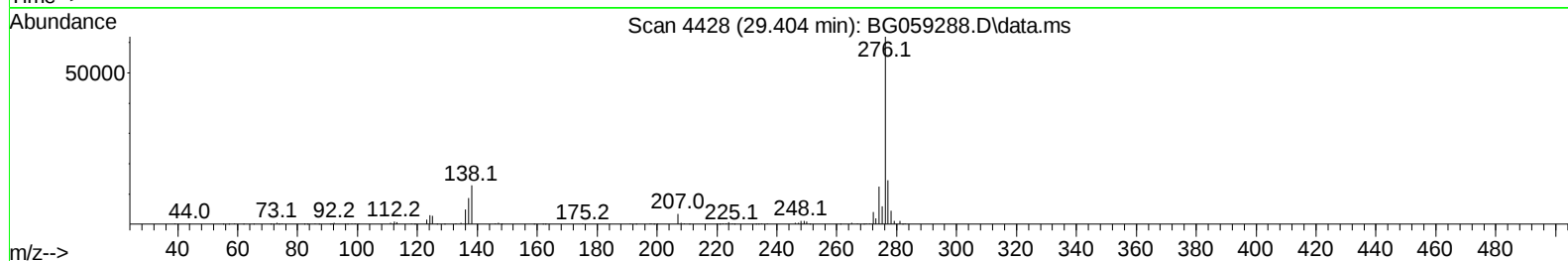
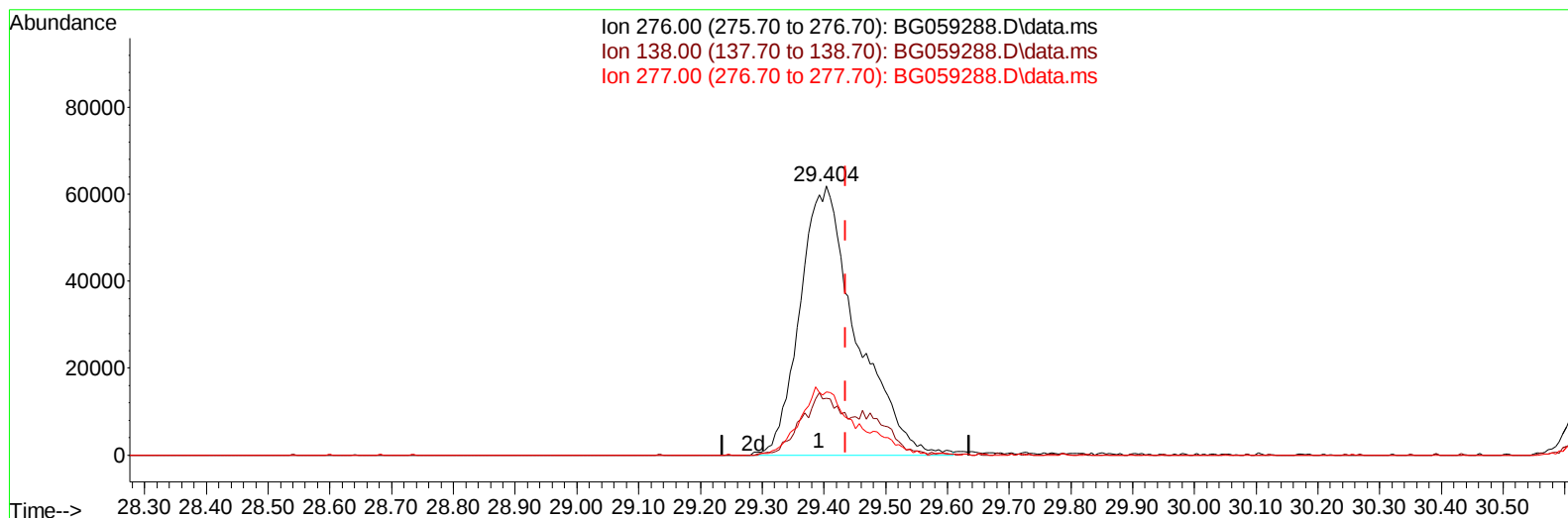
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(94) Indeno(1,2,3-cd)pyrene

29.404min (-0.032) 20.42 ng/ul m

response 392662

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.30	21.03
277.00	23.30	23.43
0.00	0.00	0.00

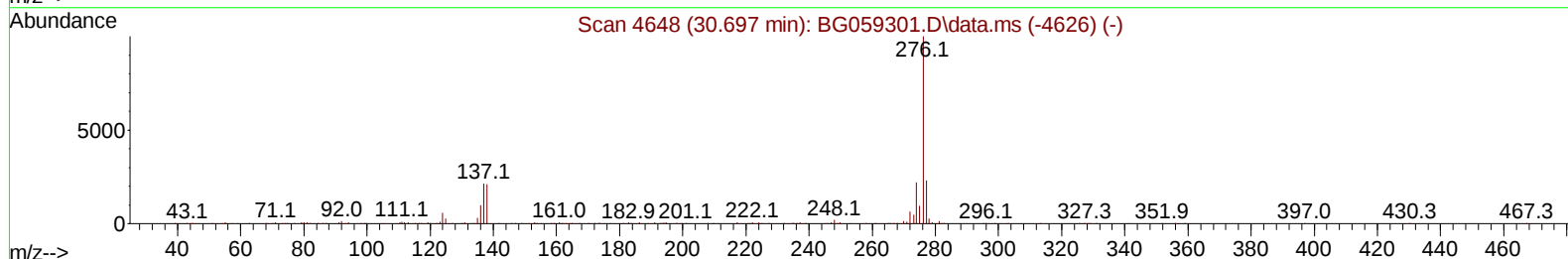
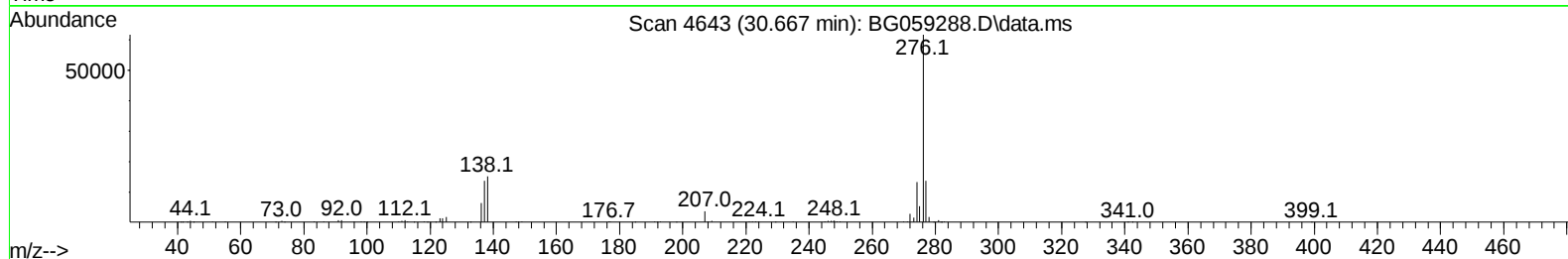
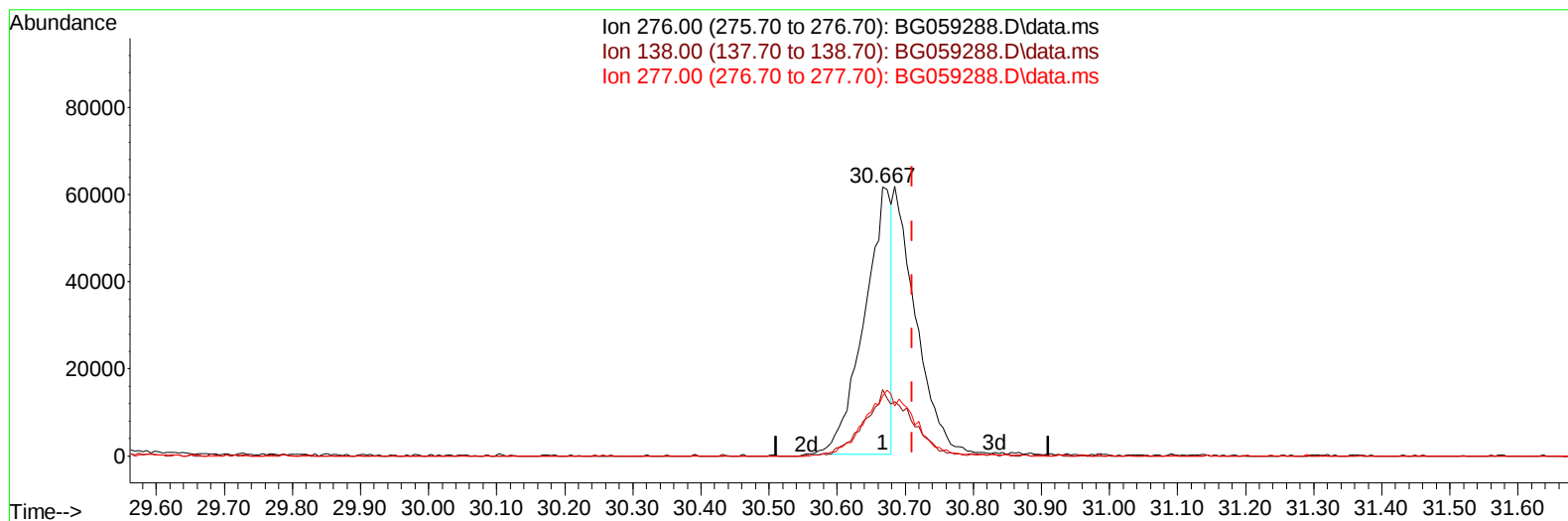
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(96) Benzo(g,h,i)perylene

30.667min (-0.043) 10.82 ng/u1

response 169161

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.80	24.75
277.00	25.00	22.26
0.00	0.00	0.00

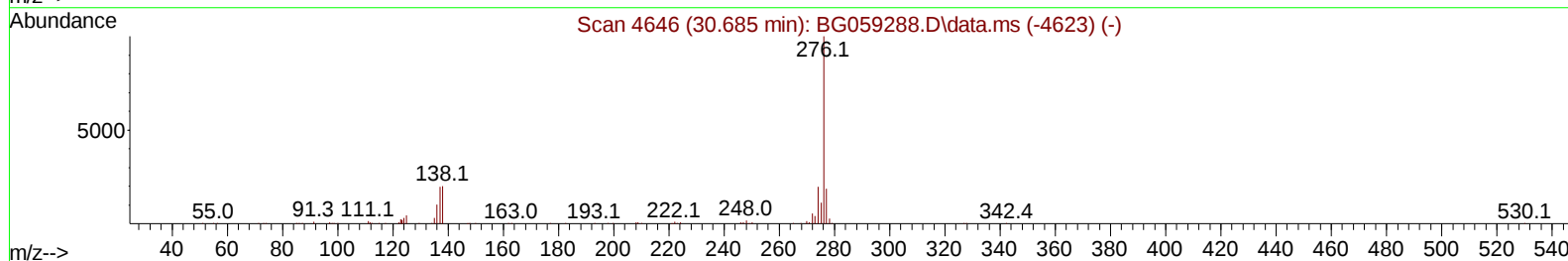
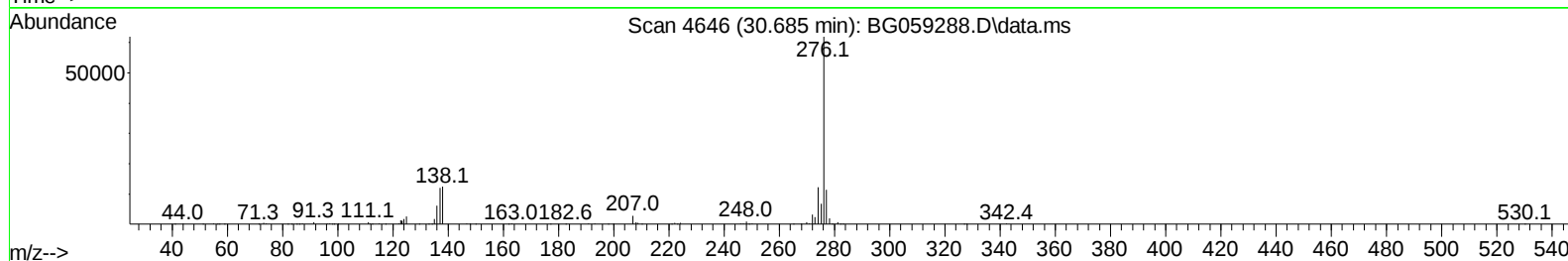
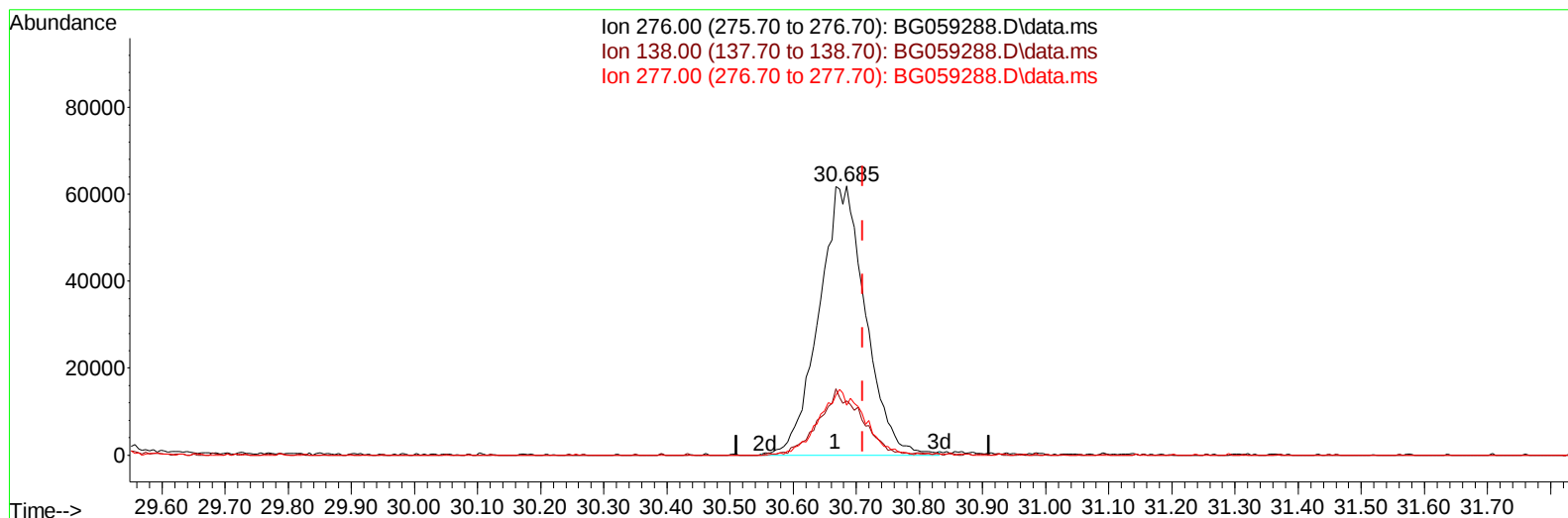
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059288.D
Acq On : 5 Oct 2023 8:46
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020585

Quant Time: Oct 05 22:35:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

Manual Integrations
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Reviewed By :Yogesh Patel 10/06/2023
Supervised By :mohammad ahmed 10/06/2023



TIC: BG059288.D\data.ms

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

30.685min (-0.026) 20.29 ng/ul m

response 317341

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.80	20.11
277.00	25.00	18.63#
0.00	0.00	0.00

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Quant Time: Oct 05 22:44:00 2023
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 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.229	152	35995	20.000	ng/ul	0.00
20) Naphthalene-d8	11.073	136	186423	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.862	164	120548	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.612	188	264390	20.000	ng/ul	0.00
79) Chrysene-d12	21.913	240	253853	20.000	ng/ul	0.00
88) Perylene-d12	25.385	264	292401	20.000	ng/ul	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.528	96	7456	7.818	ng/uL	0.00
4) Pyridine-d5	3.957	84	55291	19.869	ng/ul	0.00
7) Phenol-d5	7.353	99	74306	20.623	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.547	67	47650	20.702	ng/ul	0.00
11) 2-Chlorophenol-d4	7.747	132	53563	22.115	ng/ul	0.00
15) 4-Methylphenol-d8	8.922	113	58392	20.966	ng/ul	0.00
21) Nitrobenzene-d5	9.427	128	28899	21.968	ng/ul	0.00
24) 2-Nitrophenol-d4	10.150	143	30433	23.565	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.673	165	58076	21.891	ng/ul	0.00
31) 4-Chloroaniline-d4	11.219	131	85473	19.913	ng/ul	0.00
46) Dimethylphthalate-d6	14.257	166	174738	20.049	ng/ul	0.00
49) Acenaphthylene-d8	14.568	160	224804	20.549	ng/ul	0.00
54) 4-Nitrophenol-d4	15.056	143	31223	20.515	ng/ul	0.00
60) Fluorene-d10	15.849	176	164670	19.851	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.961	200	27459	20.205	ng/ul	0.00
73) Anthracene-d10	17.712	188	248611	20.637	ng/ul	0.00
81) Pyrene-d10	19.986	212	279128	19.635	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.144	264	283383	20.168	ng/ul	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.564	88	8105	7.233	ng/uL#	76
5) Pyridine	3.981	79	57828	20.464	ng/ul	93
6) Benzaldehyde	7.371	77	37071	23.429	ng/ul	92
8) Phenol	7.383	94	75668	21.112	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.647	93	59207	20.141	ng/ul	90
12) 2-Chlorophenol	7.776	128	56579	22.156	ng/ul	99
13) 2-Methylphenol	8.658	108	56973	21.039	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.740	45	135028	20.778	ng/ul#	97
16) Acetophenone	9.069	105	89098	20.656	ng/ul	98
17) N-Nitroso-di-n-propyla...	9.034	70	44186	20.195	ng/ul	96
18) 4-Methylphenol	8.987	108	60219	20.988	ng/ul	97
19) Hexachloroethane	9.310	117	21658	21.528	ng/ul	97
22) Nitrobenzene	9.469	77	67901	20.910	ng/ul	94
23) Isophorone	9.974	82	138792	19.875	ng/ul	98
25) 2-Nitrophenol	10.174	139	33201	23.333	ng/ul	94
26) 2,4-Dimethylphenol	10.203	107	63725	20.945	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.461	93	87231	19.798	ng/ul	99
29) 2,4-Dichlorophenol	10.702	162	57391	21.763	ng/ul	98
30) Naphthalene	11.125	128	203143	20.324	ng/ul	98
32) 4-Chloroaniline	11.243	127	80915	19.714	ng/ul	90
33) Hexachlorobutadiene	11.355	225	36773	20.835	ng/ul#	88
34) Caprolactam	12.018	113	18838m	20.645	ng/ul	
35) 4-Chloro-3-methylphenol	12.318	107	60110	21.363	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.706	142	129592	19.791	ng/ul	98
37) 1-Methylnaphthalene	12.923	142	135180	20.340	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	13.053	216	70604	19.563	ng/ul	99
40) Hexachlorocyclopentadiene	13.006	237	36163	16.244	ng/ul	93
41) 2,4,6-Trichlorophenol	13.293	196	45679	20.673	ng/ul	86
42) 2,4,5-Trichlorophenol	13.370	196	49394	21.304	ng/ul	94
43) 1,1'-Biphenyl	13.699	154	190107	19.527	ng/ul	97
44) 2-Chloronaphthalene	13.752	162	146021	19.921	ng/ul#	93
45) 2-Nitroaniline	13.975	65	50178	24.269	ng/ul	90
47) Dimethylphthalate	14.304	163	177040	19.832	ng/ul	99
48) 2,6-Dinitrotoluene	14.451	165	35602	23.448	ng/ul	91
50) Acenaphthylene	14.598	152	230730	19.759	ng/ul	98
51) 3-Nitroaniline	14.792	138	34436	21.010	ng/ul	91
52) Acenaphthene	14.927	153	160730	20.053	ng/ul	94
53) 2,4-Dinitrophenol	14.986	184	14102	16.708	ng/ul#	81
55) 4-Nitrophenol	15.068	109	22666	21.112	ng/ul	96
56) Dibenzofuran	15.262	168	215085	20.245	ng/ul	99
57) 2,4-Dinitrotoluene	15.232	165	50618	22.515	ng/ul#	88
58) 2,3,4,6-Tetrachlorophenol	15.473	232	46466	22.138	ng/ul#	91
59) Diethylphthalate	15.650	149	174656	20.238	ng/ul	97
61) Fluorene	15.908	166	179851	20.161	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.890	204	88187	19.831	ng/ul	98
63) 4-Nitroaniline	15.955	138	33165	21.987	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.979	198	28759	20.070	ng/ul#	93
67) N-Nitrosodiphenylamine	16.108	169	145349	20.624	ng/ul	95
68) 4-Bromophenyl-phenylether	16.789	248	54229	21.172	ng/ul	96
69) Hexachlorobenzene	16.878	284	59763	20.653	ng/ul	95
70) Atrazine	17.042	200	55887	20.855	ng/ul	93
71) Pentachlorophenol	17.236	266	35269m	21.178	ng/ul	
72) Phenanthrene	17.653	178	296882	20.461	ng/ul	99
74) Anthracene	17.747	178	306282	20.443	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.658	216	73529	21.104	ng/uL	95
76) Pentachlorobenzene	15.156	250	71984	20.924	ng/uL	97
77) Carbazole	18.023	167	262320	21.483	ng/ul	98
78) Di-n-butylphthalate	18.529	149	307088	21.215	ng/ul	100
80) Fluoranthene	19.651	202	344184	19.653	ng/ul	97
82) Pyrene	20.015	202	367384	19.805	ng/ul	99
83) Butylbenzylphthalate	20.867	149	139813	21.373	ng/ul	94
84) 3,3'-Dichlorobenzidine	21.807	252	129162	21.970	ng/ul	94
85) Benzo(a)anthracene	21.889	228	360648	20.182	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.719	149	207363	20.876	ng/ul	98
87) Chrysene	21.960	228	345413	20.466	ng/ul	97
89) Di-n-octyl phthalate	23.011	149	350692	20.622	ng/ul	100
90) Benzo(b)fluoranthene	24.263	252	364258	20.339	ng/ul	95
91) Benzo(k)fluoranthene	24.339	252	366941	20.221	ng/ul	98
93) Benzo(a)pyrene	25.221	252	338974	19.952	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	29.404	276	392662m	20.417	ng/ul	
95) Dibenzo(a,h)anthracene	29.474	278	311743	19.933	ng/ul	97
96) Benzo(g,h,i)perylene	30.685	276	317341m	20.294	ng/ul	

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

Instrument :

BNA_G

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