

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100923\
 Data File : BG059392.D
 Acq On : 9 Oct 2023 10:55
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020593

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

Quant Time: Oct 09 22:52:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 22:45:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	45130	20.000	ng/u1	0.00
20) Naphthalene-d8	11.068	136	223890	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.863	164	152260	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.613	188	348362m	20.000	ng/u1	0.00
79) Chrysene-d12	21.914	240	311410	20.000	ng/u1	0.00
88) Perylene-d12	25.404	264	371698	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.524	96	10946	8.648	ng/uL	0.00
4) Pyridine-d5	3.958	84	79479	21.815	ng/u1	0.00
7) Phenol-d5	7.349	99	107392	21.551	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.548	67	60378	21.437	ng/u1	0.00
11) 2-Chlorophenol-d4	7.742	132	76858	22.053	ng/u1	0.00
15) 4-Methylphenol-d8	8.917	113	84586	21.786	ng/u1	0.00
21) Nitrobenzene-d5	9.423	128	40581	21.292	ng/u1	0.00
24) 2-Nitrophenol-d4	10.145	143	45358	21.988	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.668	165	82972	22.284	ng/u1	0.00
31) 4-Chloroaniline-d4	11.215	131	124905	21.119	ng/u1	0.00
46) Dimethylphthalate-d6	14.258	166	261871	20.993	ng/u1	0.00
49) Acenaphthylene-d8	14.564	160	316440	21.317	ng/u1	0.00
54) 4-Nitrophenol-d4	15.057	143	45269	19.366	ng/u1	0.00
60) Fluorene-d10	15.850	176	240057	20.161	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.962	200	44741	19.452	ng/u1	0.00
73) Anthracene-d10	17.713	188	373711	21.869	ng/u1	0.00
81) Pyrene-d10	19.987	212	405849	21.513	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.157	264	405768	20.745	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.565	88	12389	9.169	ng/uL#	73
5) Pyridine	3.982	79	78595	21.366	ng/u1	96
6) Benzaldehyde	7.372	77	48313	23.373	ng/u1	93
8) Phenol	7.378	94	101332	20.564	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.636	93	82465	21.731	ng/u1#	84
12) 2-Chlorophenol	7.777	128	76711	20.889	ng/u1#	89
13) 2-Methylphenol	8.653	108	75712	20.562	ng/u1	87
14) 2,2'-oxybis(1-Chloropr...	8.735	45	168089	21.170	ng/u1	99
16) Acetophenone	9.070	105	122572	20.775	ng/u1	94
17) N-Nitroso-di-n-propyla...	9.029	70	60327	20.521	ng/u1#	86
18) 4-Methylphenol	8.988	108	82789	20.447	ng/u1	92
19) Hexachloroethane	9.305	117	28810	21.568	ng/u1#	84
22) Nitrobenzene	9.470	77	89387	21.393	ng/u1	96
23) Isophorone	9.975	82	184990	20.734	ng/u1#	99
25) 2-Nitrophenol	10.175	139	46733	21.966	ng/u1	94
26) 2,4-Dimethylphenol	10.204	107	87206	20.779	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.457	93	116635	21.754	ng/u1	96
29) 2,4-Dichlorophenol	10.698	162	83855	22.366	ng/u1	97
30) Naphthalene	11.121	128	275356	21.265	ng/u1	98
32) 4-Chloroaniline	11.238	127	118692	21.214	ng/u1	95
33) Hexachlorobutadiene	11.350	225	49893	22.040	ng/u1	94
34) Caprolactam	12.014	113	26668m	19.588	ng/u1	
35) 4-Chloro-3-methylphenol	12.319	107	83164	20.671	ng/u1	96
36) 2-Methylnaphthalene	12.707	142	184571	21.381	ng/u1	92

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37) 1-Methylnaphthalene	12.924	142	192212	21.445	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.048	216	98421	21.701	ng/ul#	97
40) Hexachlorocyclopentadiene	13.001	237	55950	20.549	ng/ul	87
41) 2,4,6-Trichlorophenol	13.295	196	67762	22.019	ng/ul	97
42) 2,4,5-Trichlorophenol	13.365	196	72393	21.660	ng/ul	89
43) 1,1'-Biphenyl	13.700	154	275434	21.979	ng/ul	97
44) 2-Chloronaphthalene	13.753	162	208067	21.600	ng/ul	100
45) 2-Nitroaniline	13.976	65	64937	20.587	ng/ul	94
47) Dimethylphthalate	14.305	163	262182	20.913	ng/ul	99
48) 2,6-Dinitrotoluene	14.452	165	53254	21.055	ng/ul	98
50) Acenaphthylene	14.593	152	332292	20.825	ng/ul	98
51) 3-Nitroaniline	14.793	138	53459	21.585	ng/ul	99
52) Acenaphthene	14.928	153	227749	21.095	ng/ul	97
53) 2,4-Dinitrophenol	14.993	184	28876	15.894	ng/ul	95
55) 4-Nitrophenol	15.069	109	30410	19.281	ng/ul	86
56) Dibenzofuran	15.257	168	309669	20.788	ng/ul	100
57) 2,4-Dinitrotoluene	15.228	165	76414	20.629	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.468	232	65571	20.446	ng/ul#	93
59) Diethylphthalate	15.651	149	252222	20.228	ng/ul	98
61) Fluorene	15.909	166	260987	20.591	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.886	204	133693	21.347	ng/ul	99
63) 4-Nitroaniline	15.950	138	47449	21.281	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.980	198	50638m	20.700	ng/ul	
67) N-Nitrosodiphenylamine	16.109	169	213521	21.659	ng/ul	96
68) 4-Bromophenyl-phenylether	16.790	248	81585	22.055	ng/ul	98
69) Hexachlorobenzene	16.879	284	92449	21.894	ng/ul	99
70) Atrazine	17.043	200	85622	21.906	ng/ul	97
71) Pentachlorophenol	17.237	266	50676m	20.650	ng/ul	
72) Phenanthrene	17.654	178	447805m	21.705	ng/ul	
74) Anthracene	17.748	178	454377	21.654	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.659	216	104295	23.044	ng/uL	95
76) Pentachlorobenzene	15.157	250	102863	21.960	ng/uL	95
77) Carbazole	18.024	167	377046	21.592	ng/ul	97
78) Di-n-butylphthalate	18.530	149	446747	21.624	ng/ul	97
80) Fluoranthene	19.652	202	500278	21.312	ng/ul	99
82) Pyrene	20.016	202	520662	21.342	ng/ul	98
83) Butylbenzylphthalate	20.868	149	191271	21.219	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.808	252	183594	23.632	ng/ul	95
85) Benzo(a)anthracene	21.896	228	498230	20.949	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.720	149	290282	21.532	ng/ul	99
87) Chrysene	21.967	228	468675	20.980	ng/ul	97
89) Di-n-octyl phthalate	23.018	149	490308	20.905	ng/ul	100
90) Benzo(b)fluoranthene	24.270	252	522998	21.355	ng/ul	98
91) Benzo(k)fluoranthene	24.346	252	516414	20.768	ng/ul	96
93) Benzo(a)pyrene	25.239	252	485923	20.830	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.423	276	562581	20.936	ng/ul	99
95) Dibenzo(a,h)anthracene	29.499	278	460394	21.070	ng/ul	97
96) Benzo(g,h,i)perylene	30.698	276	438720	20.471	ng/ul	96

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

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ClientSampleId :

SSTD020593

Manual Integrations

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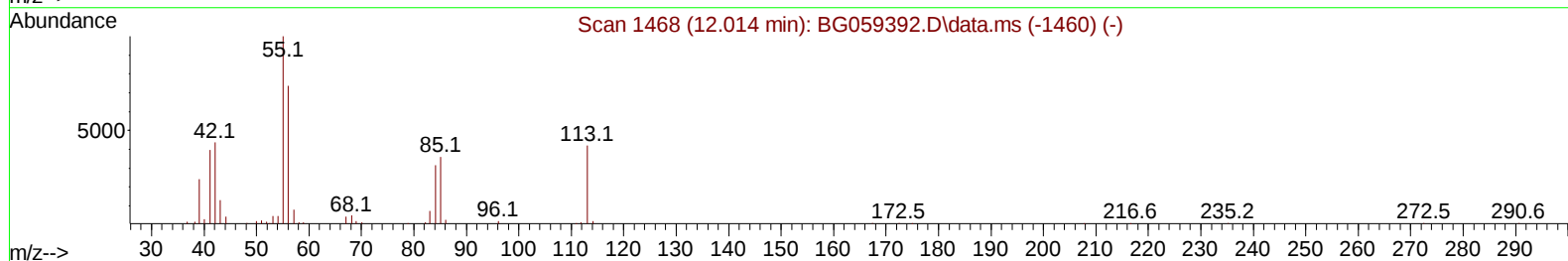
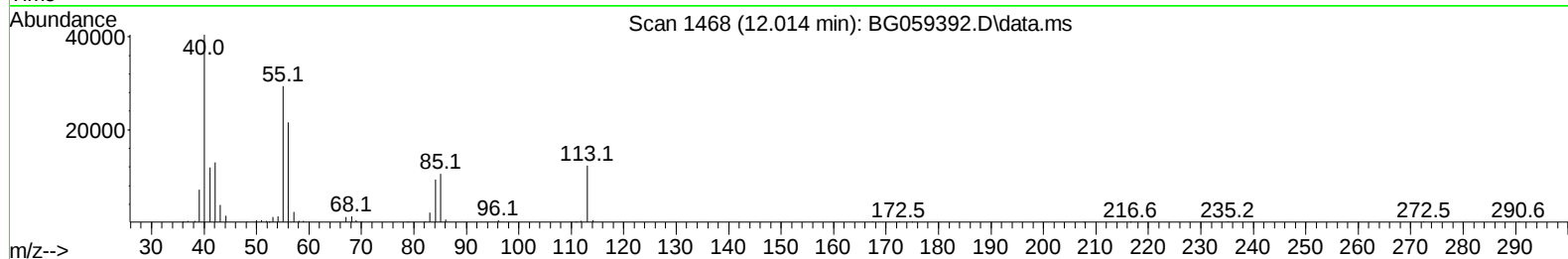
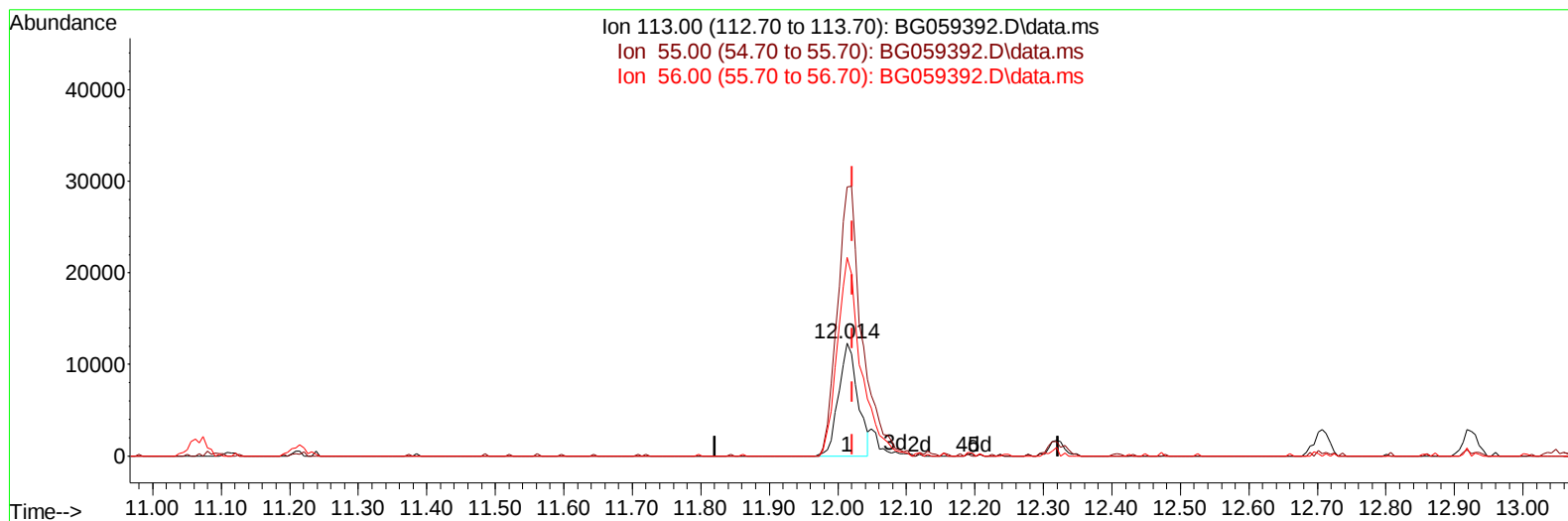
Quant Time: Oct 09 22:44:02 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 07 22:45:22 2023

Response via : Initial Calibration



TIC: BG059392.D\data.ms

(34) Caprolactam

12.014min (-0.008) 17.57 ng/ul

response 23917

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	211.40	238.71
56.00	177.10	175.80
0.00	0.00	0.00

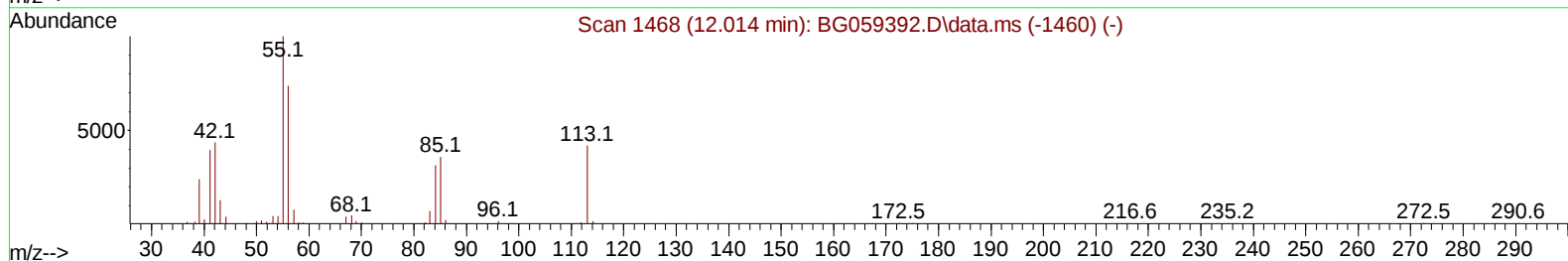
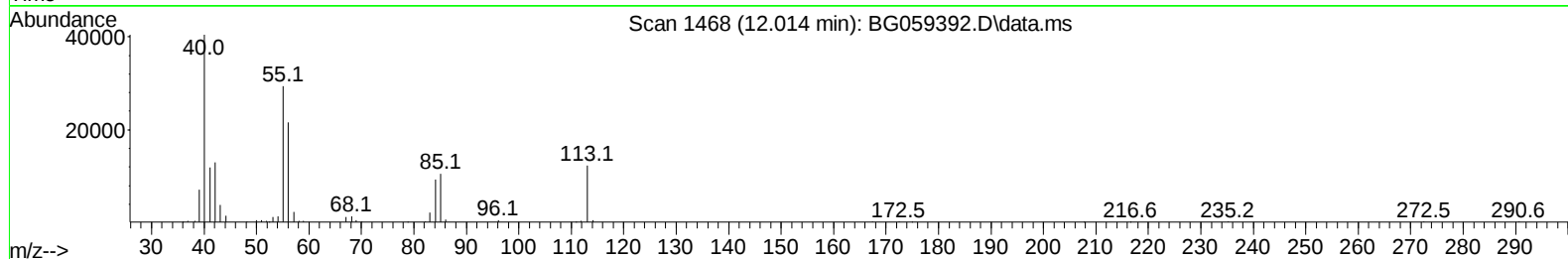
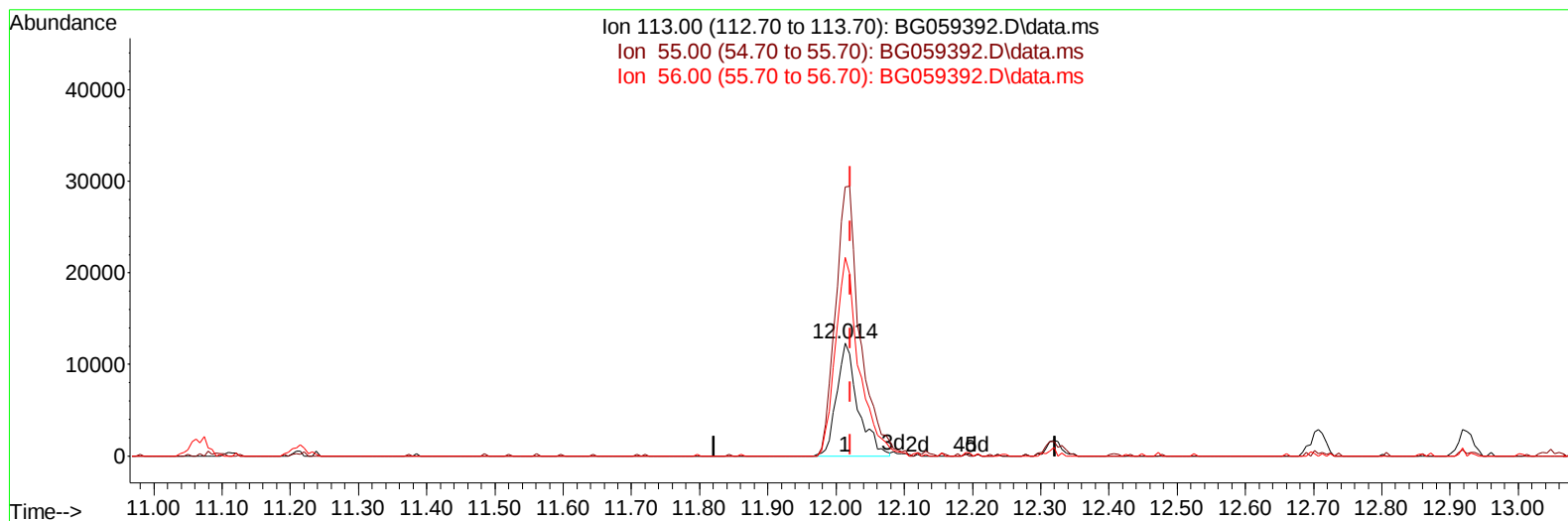
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TIC: BG059392.D\data.ms

(34) Caprolactam

12.014min (-0.008) 19.59 ng/ul m

response 26668

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	211.40	238.71
56.00	177.10	175.80
0.00	0.00	0.00

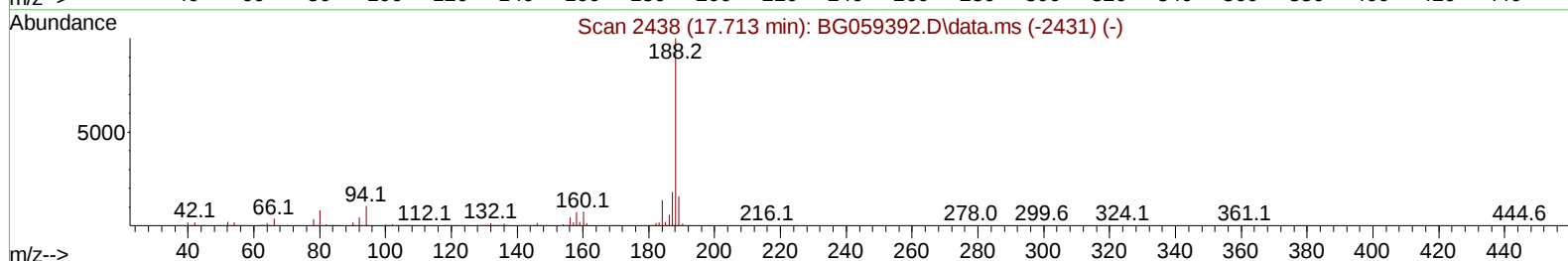
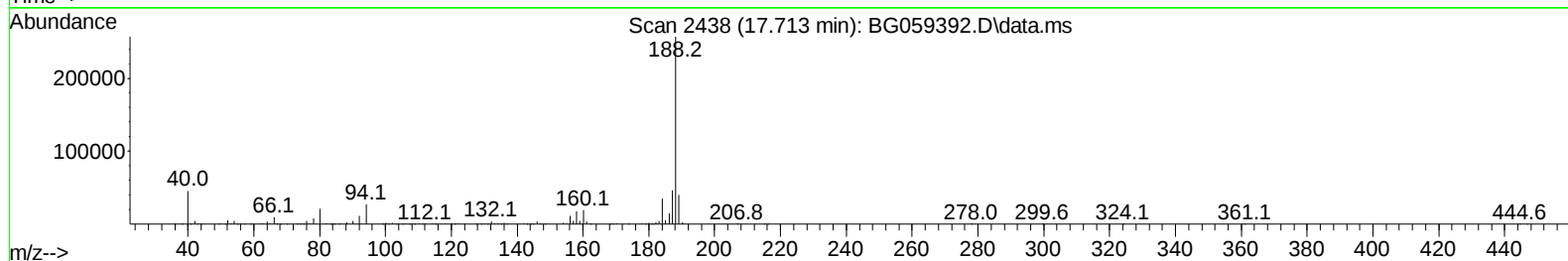
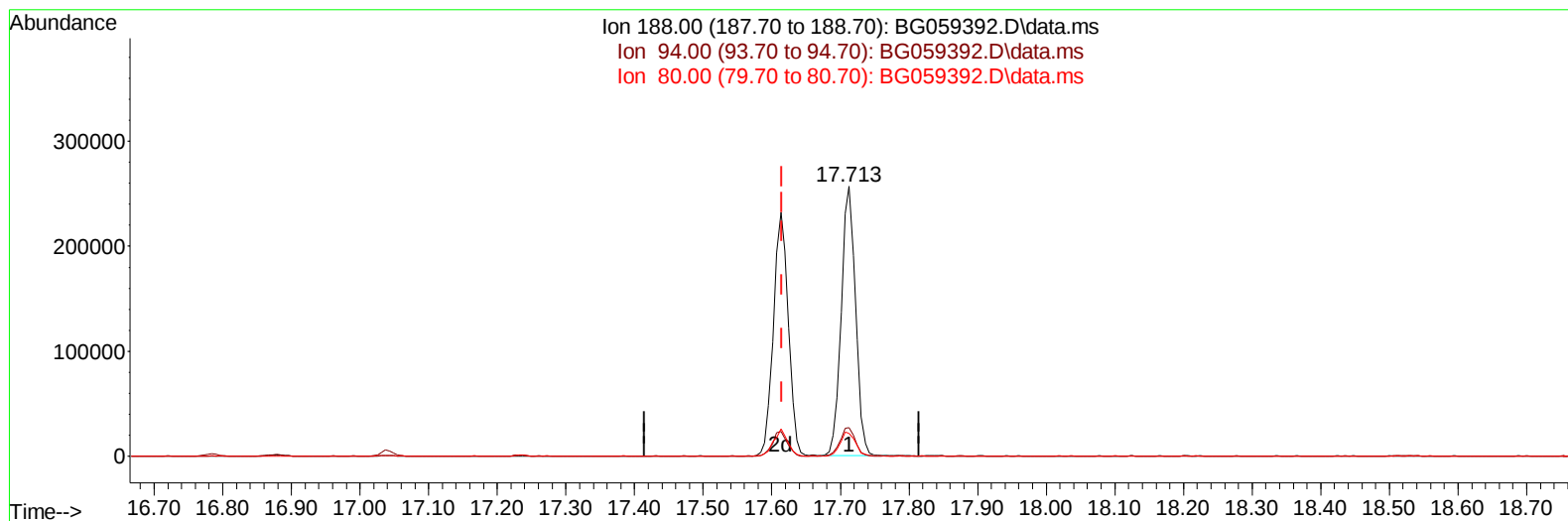
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(64) Phenanthrene-d10 (I)

17.713min (+ 0.098) 20.00 ng/u1

response 373799

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.60	10.47
80.00	9.10	8.36
0.00	0.00	0.00

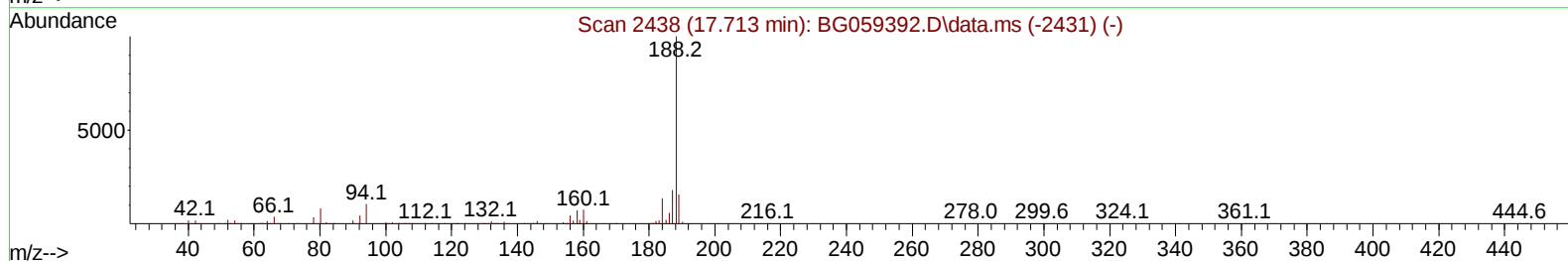
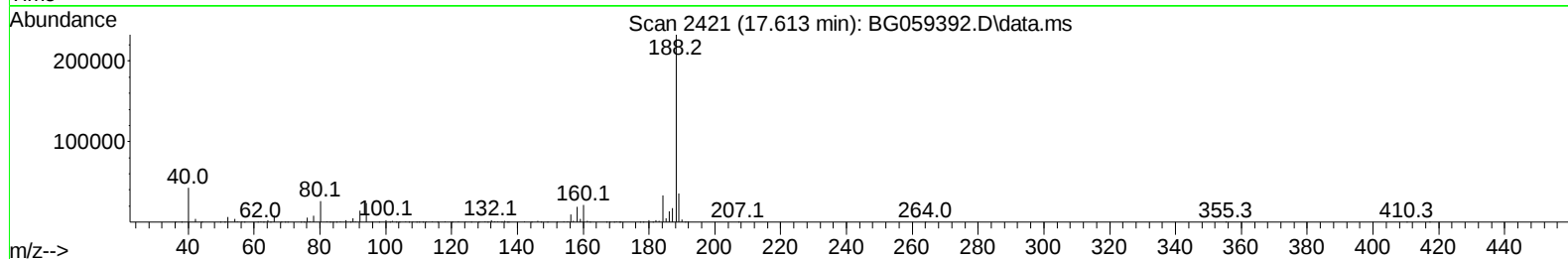
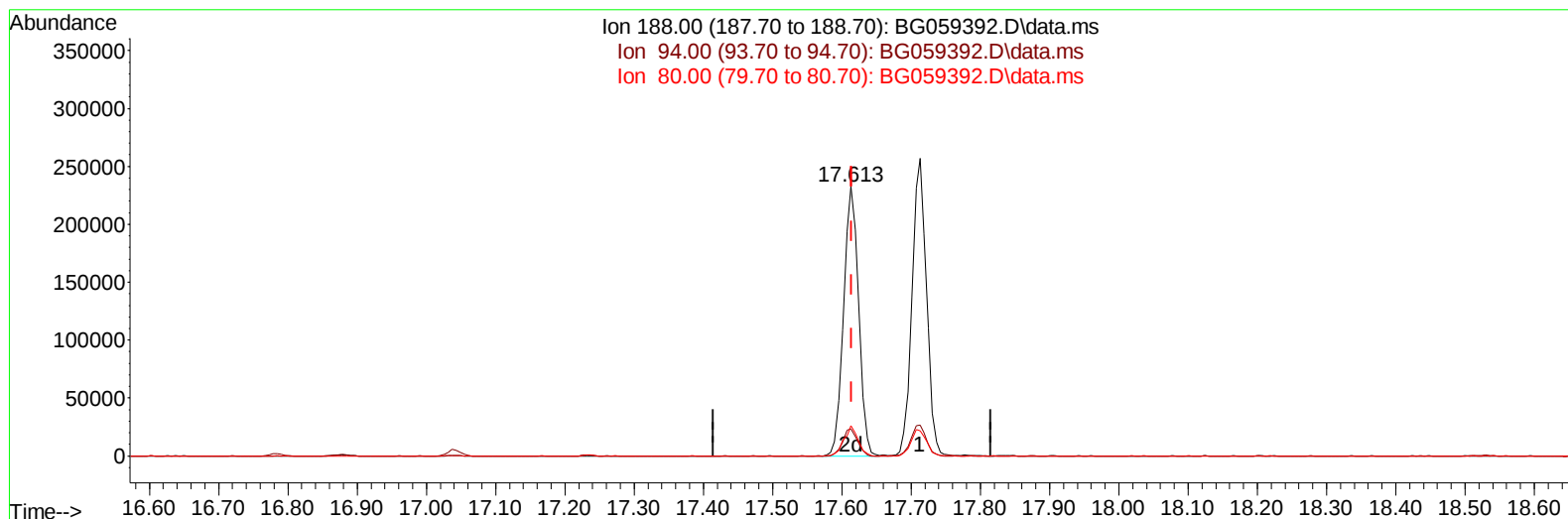
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(64) Phenanthrene-d10 (I)

17.613min (-0.002) 20.00 ng/ul m

response 348362

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	9.60	10.12
80.00	9.10	11.16#
0.00	0.00	0.00

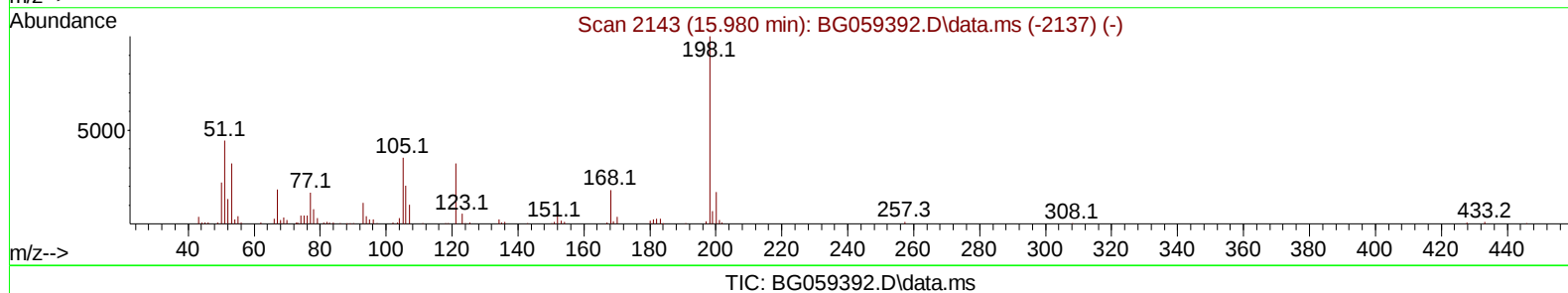
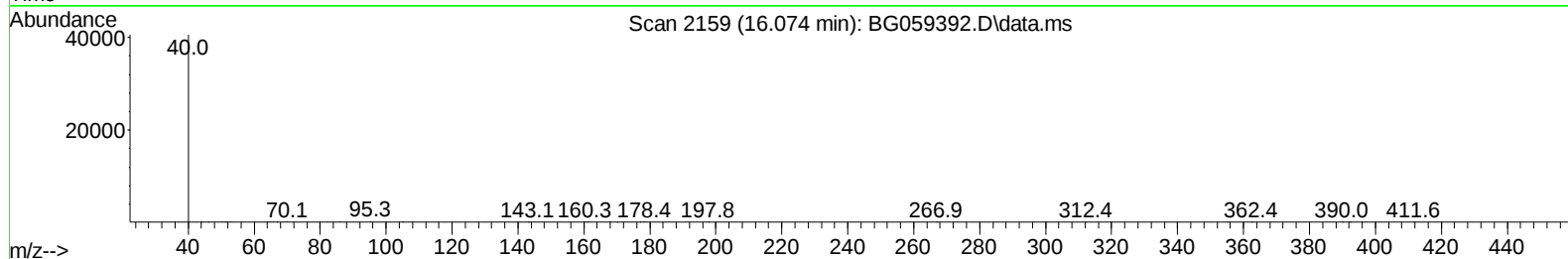
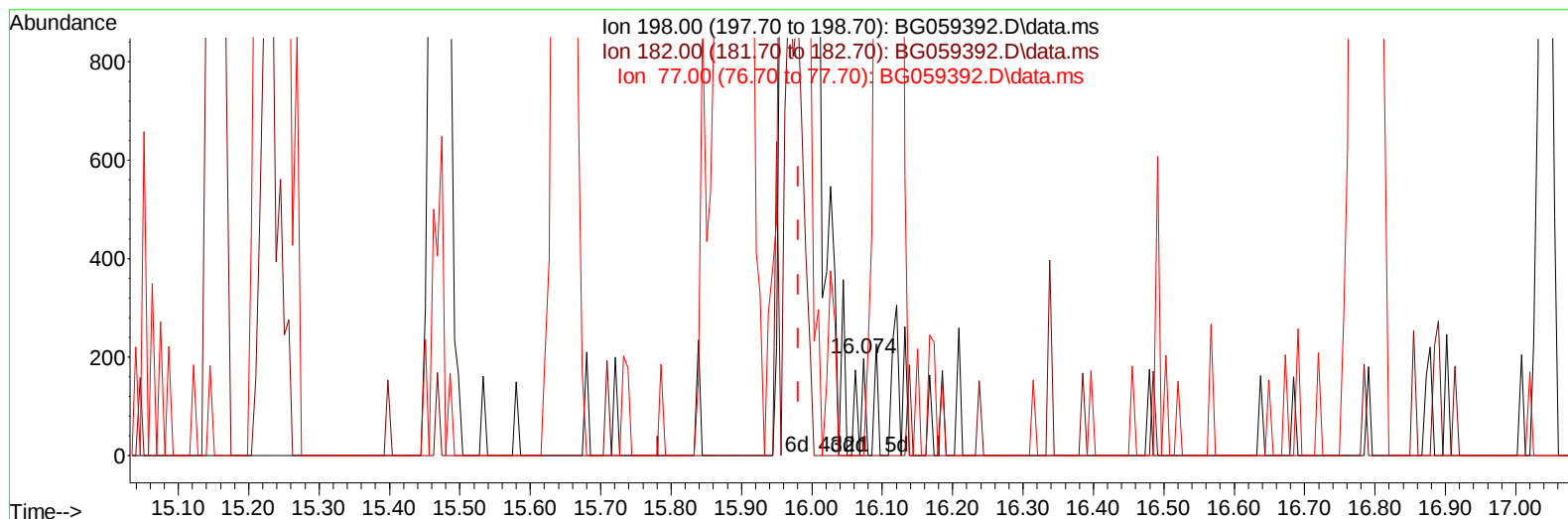
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(66) 4,6-Dinitro-2-methylphenol

16.074min (+ 0.092) 0.03 ng/ul

response 70

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	3.90	0.00#
77.00	17.20	0.00#
0.00	0.00	0.00

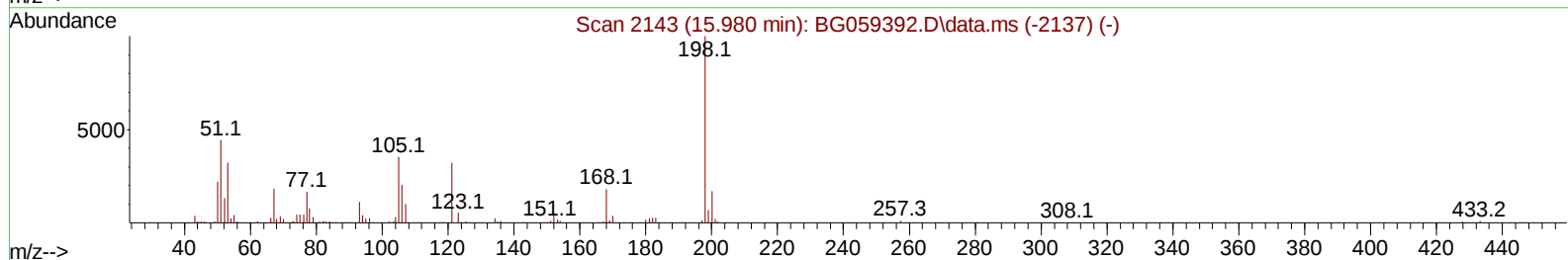
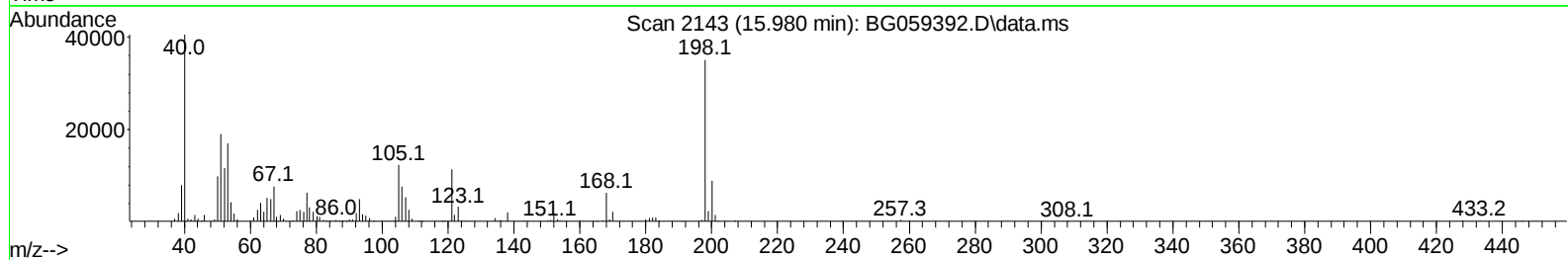
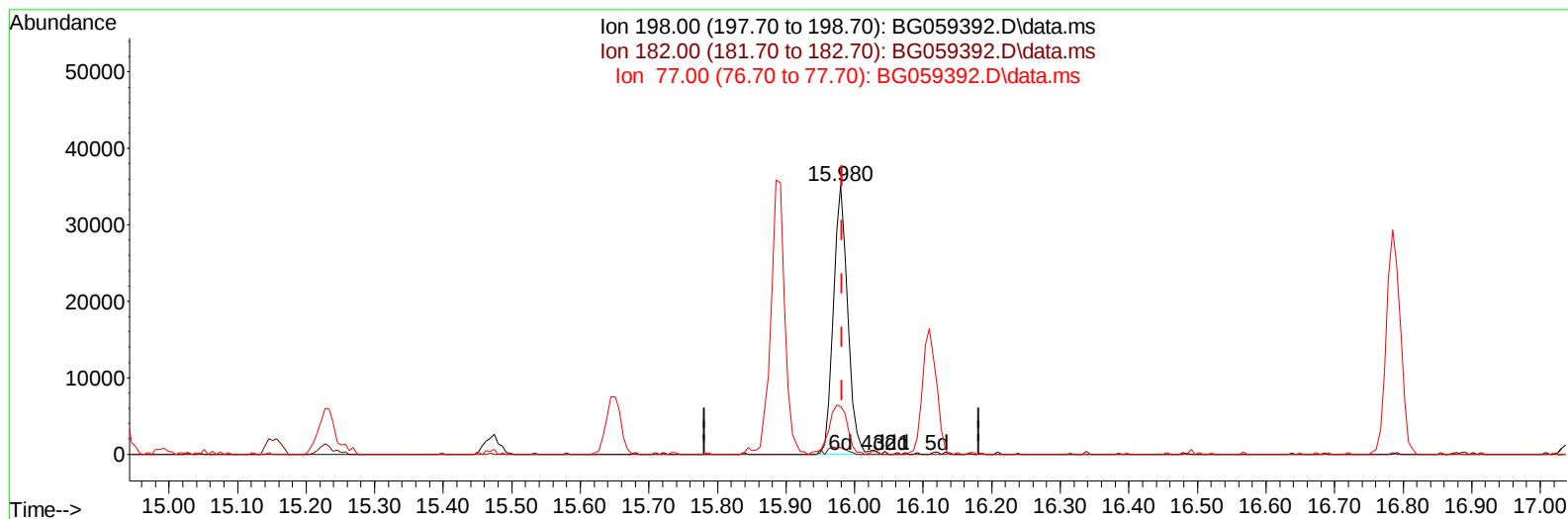
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TIC: BG059392.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.980min (-0.002) 20.70 ng/ul m

response 50638

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	3.90	2.61#
77.00	17.20	17.86
0.00	0.00	0.00

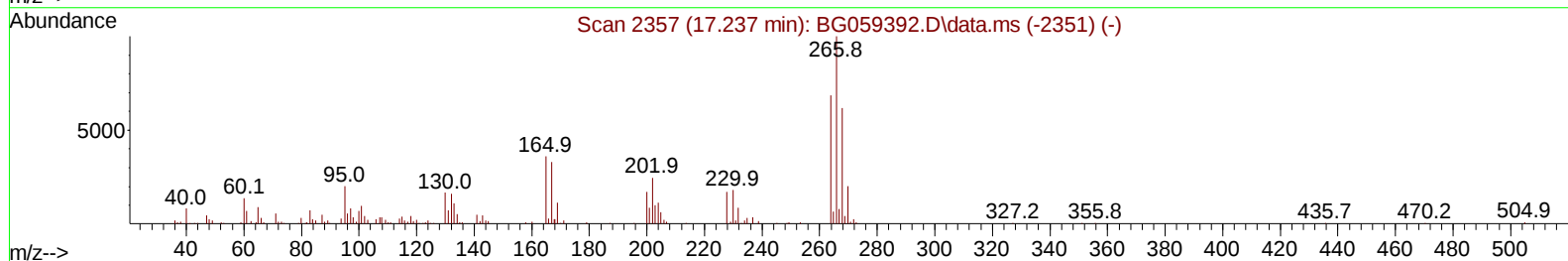
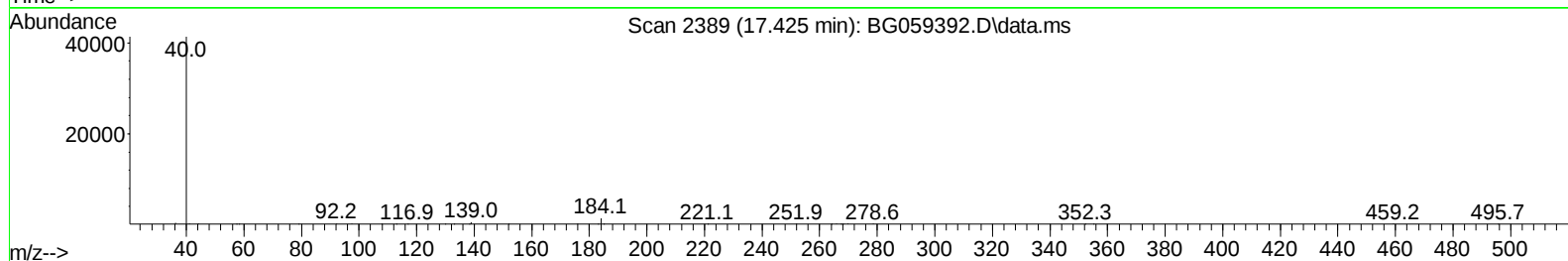
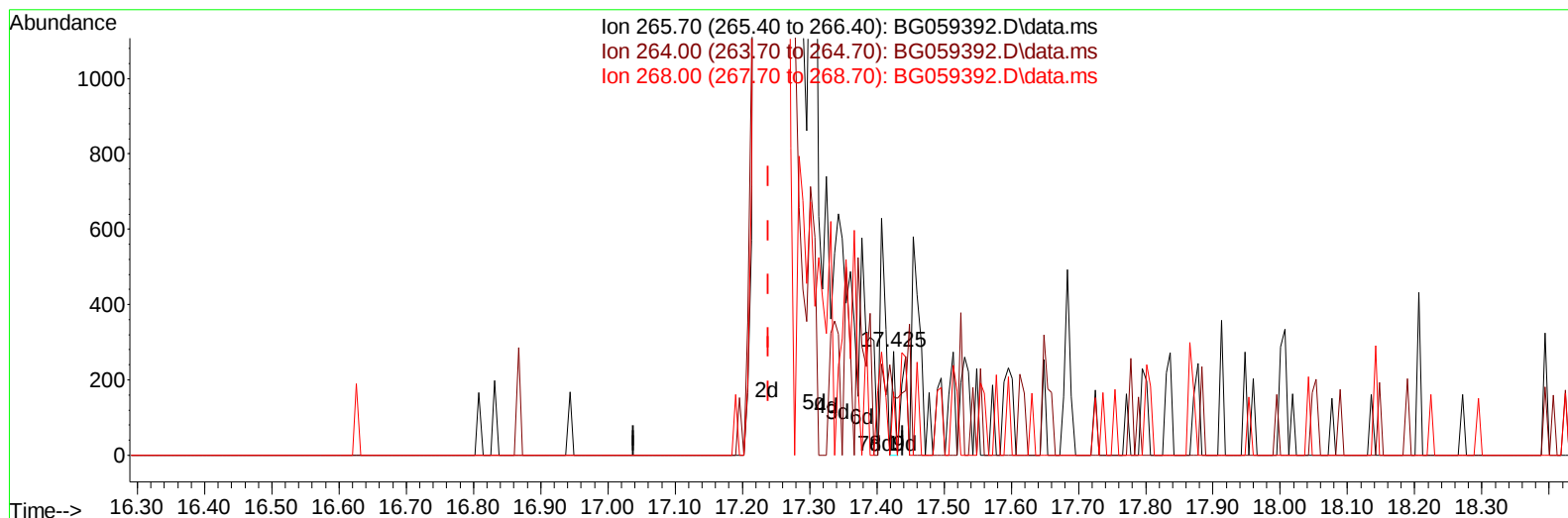
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(71) Pentachlorophenol (C)

17.425min (+ 0.186) 0.04 ng/u1

response 97

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	68.80	56.16
268.00	60.60	60.87
0.00	0.00	0.00

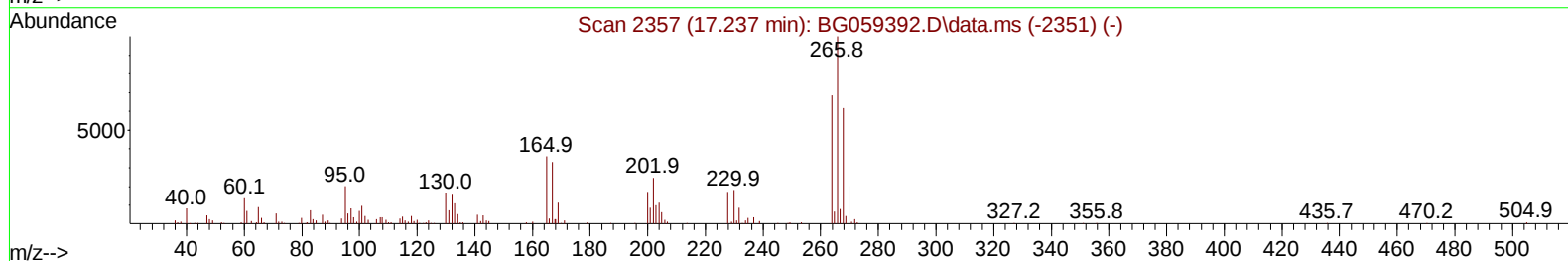
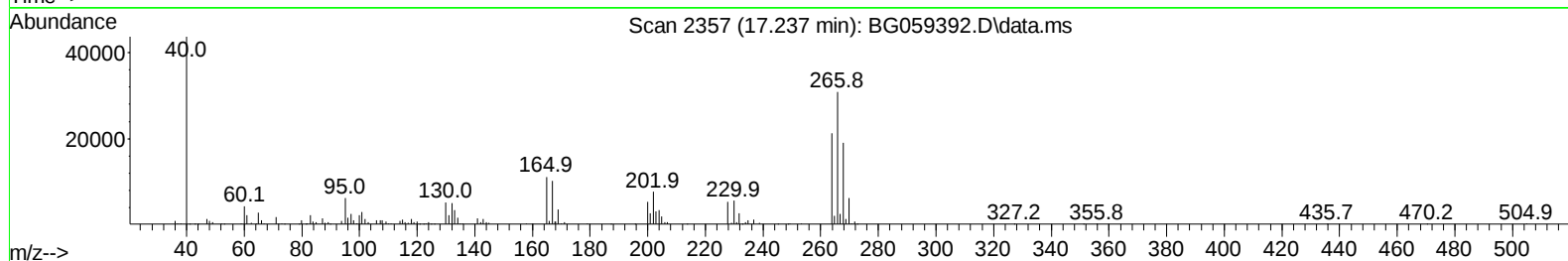
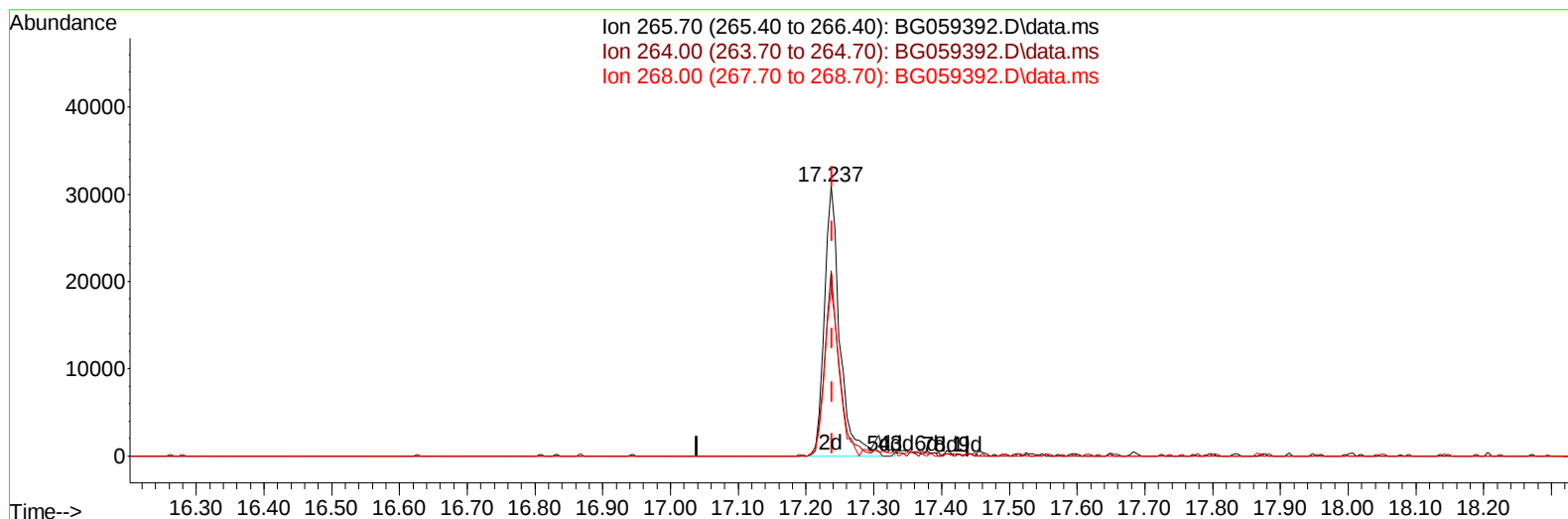
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100923\
 Data File : BG059392.D
 Acq On : 9 Oct 2023 10:55
 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD020593

Quant Time: Oct 09 22:51:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 22:45:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023



TIC: BG059392.D\data.ms

(71) Pentachlorophenol (C)

17.237min (-0.002) 20.65 ng/ul m

response 50676

Ion	Exp%	Act%
265.70	100.00	100.00
264.00	68.80	68.64
268.00	60.60	61.77
0.00	0.00	0.00

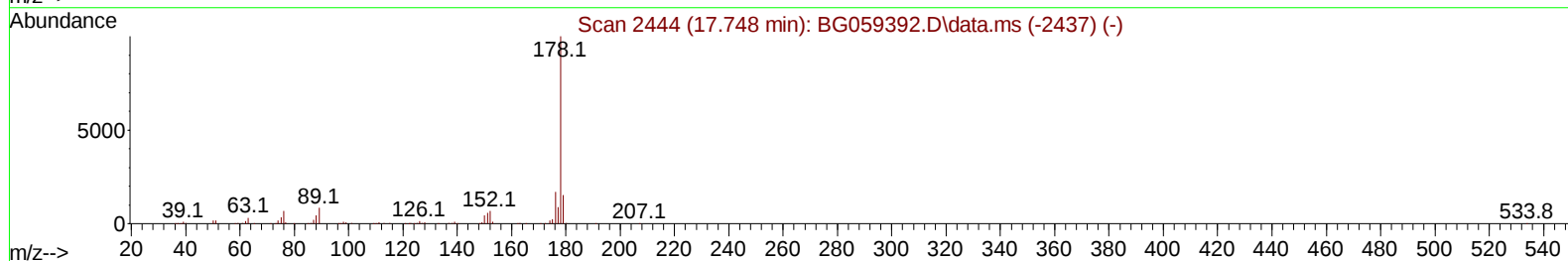
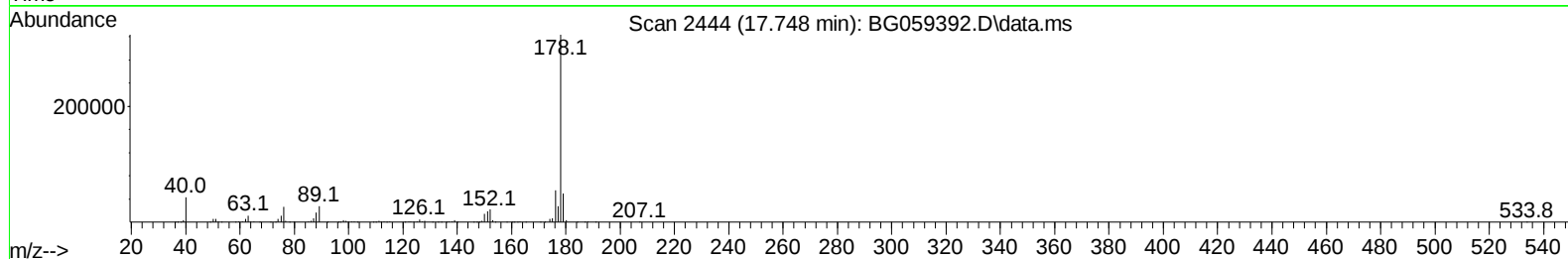
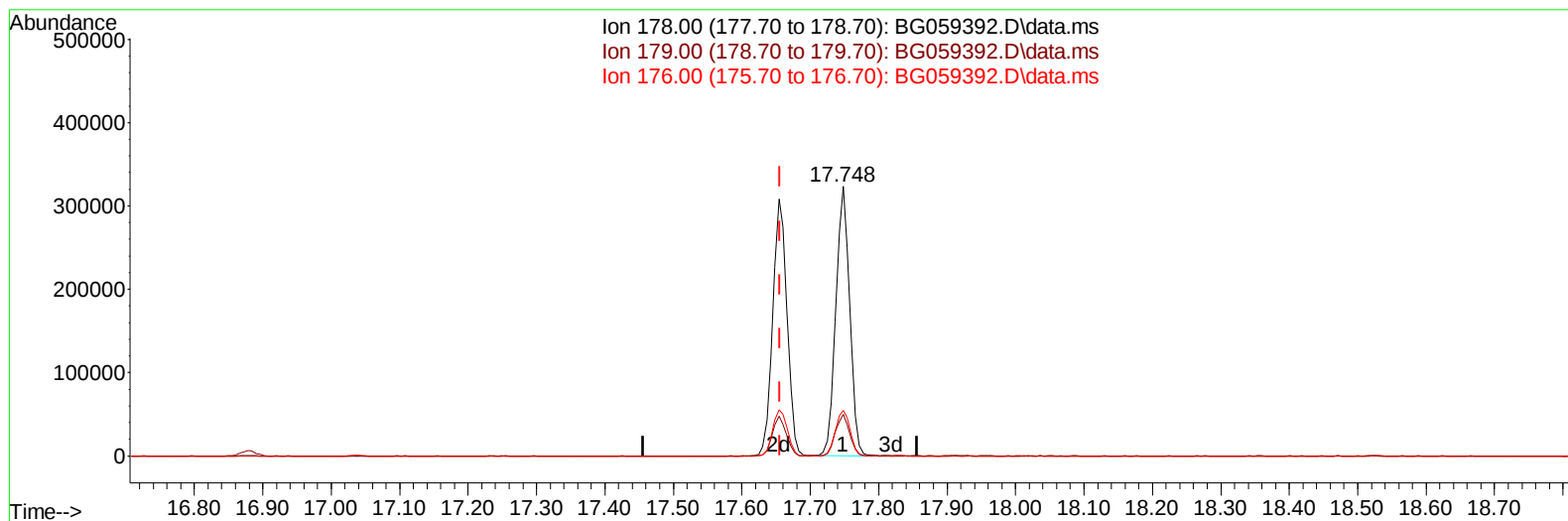
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100923\
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TIC: BG059392.D\data.ms

(72) Phenanthrene

17.748min (+ 0.092) 22.07 ng/u1

response 455430

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	15.39
176.00	19.00	16.97
0.00	0.00	0.00

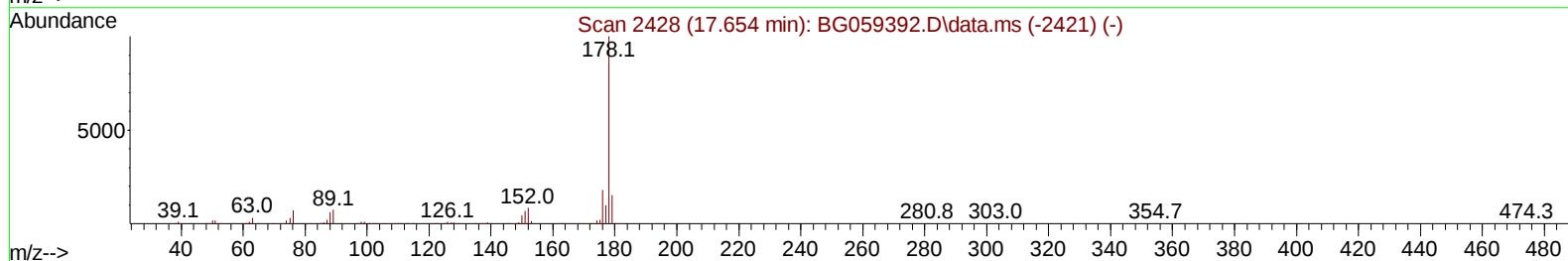
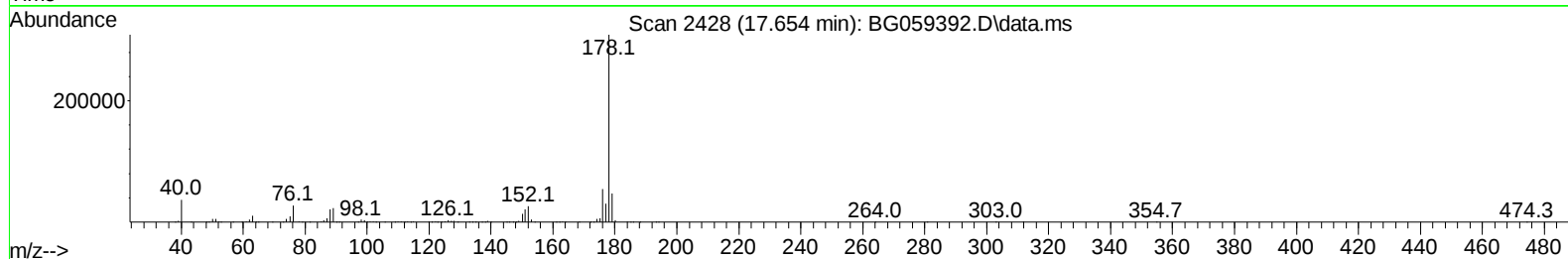
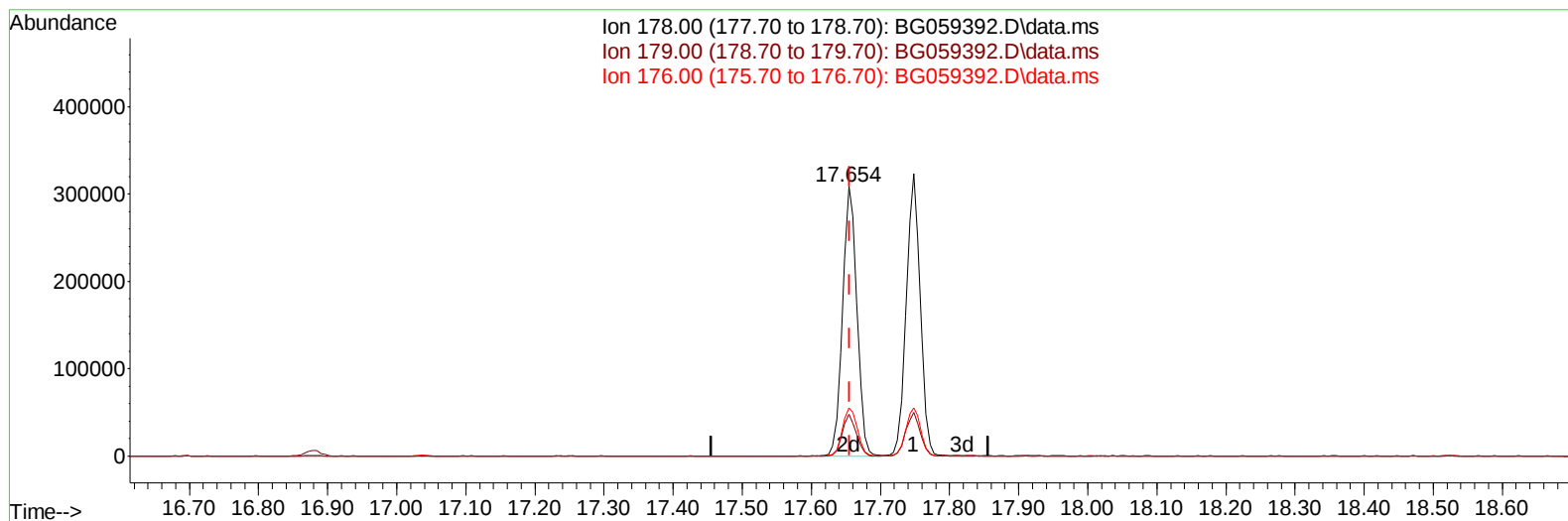
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100923\
Data File : BG059392.D
Acq On : 9 Oct 2023 10:55
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD020593

Quant Time: Oct 09 22:52:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M
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Manual Integrations
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TIC: BG059392.D\data.ms

(72) Phenanthrene

17.654min (-0.002) 21.70 ng/u1 m

response 447805

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.50	15.36
176.00	19.00	17.85
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD020593

Manual Integrations**APPROVED**

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Supervised By :mohammad ahmed 10/11/2023

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Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	45130	20.000	ng/ul	0.00
20) Naphthalene-d8	11.068	136	223890	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.863	164	152260	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.613	188	348362m	20.000	ng/ul	0.00
79) Chrysene-d12	21.914	240	311410	20.000	ng/ul	0.00
88) Perylene-d12	25.404	264	371698	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.524	96	10946	8.648	ng/uL	0.00
4) Pyridine-d5	3.958	84	79479	21.815	ng/ul	0.00
7) Phenol-d5	7.349	99	107392	21.551	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.548	67	60378	21.437	ng/ul	0.00
11) 2-Chlorophenol-d4	7.742	132	76858	22.053	ng/ul	0.00
15) 4-Methylphenol-d8	8.917	113	84586	21.786	ng/ul	0.00
21) Nitrobenzene-d5	9.423	128	40581	21.292	ng/ul	0.00
24) 2-Nitrophenol-d4	10.145	143	45358	21.988	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.668	165	82972	22.284	ng/ul	0.00
31) 4-Chloroaniline-d4	11.215	131	124905	21.119	ng/ul	0.00
46) Dimethylphthalate-d6	14.258	166	261871	20.993	ng/ul	0.00
49) Acenaphthylene-d8	14.564	160	316440	21.317	ng/ul	0.00
54) 4-Nitrophenol-d4	15.057	143	45269	19.366	ng/ul	0.00
60) Fluorene-d10	15.850	176	240057	20.161	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.962	200	44741	19.452	ng/ul	0.00
73) Anthracene-d10	17.713	188	373711	21.869	ng/ul	0.00
81) Pyrene-d10	19.987	212	405849	21.513	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.157	264	405768	20.745	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.565	88	12389	9.169	ng/uL#	73
5) Pyridine	3.982	79	78595	21.366	ng/ul	96
6) Benzaldehyde	7.372	77	48313	23.373	ng/ul	93
8) Phenol	7.378	94	101332	20.564	ng/ul	97
10) Bis(2-Chloroethyl)ether	7.636	93	82465	21.731	ng/ul#	84
12) 2-Chlorophenol	7.777	128	76711	20.889	ng/ul#	89
13) 2-Methylphenol	8.653	108	75712	20.562	ng/ul	87
14) 2,2'-oxybis(1-Chloropr...	8.735	45	168089	21.170	ng/ul	99
16) Acetophenone	9.070	105	122572	20.775	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.029	70	60327	20.521	ng/ul#	86
18) 4-Methylphenol	8.988	108	82789	20.447	ng/ul	92
19) Hexachloroethane	9.305	117	28810	21.568	ng/ul#	84
22) Nitrobenzene	9.470	77	89387	21.393	ng/ul	96
23) Isophorone	9.975	82	184990	20.734	ng/ul#	99
25) 2-Nitrophenol	10.175	139	46733	21.966	ng/ul	94
26) 2,4-Dimethylphenol	10.204	107	87206	20.779	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.457	93	116635	21.754	ng/ul	96
29) 2,4-Dichlorophenol	10.698	162	83855	22.366	ng/ul	97
30) Naphthalene	11.121	128	275356	21.265	ng/ul	98
32) 4-Chloroaniline	11.238	127	118692	21.214	ng/ul	95
33) Hexachlorobutadiene	11.350	225	49893	22.040	ng/ul	94
34) Caprolactam	12.014	113	26668m	19.588	ng/ul	
35) 4-Chloro-3-methylphenol	12.319	107	83164	20.671	ng/ul	96

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Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023

Quant Time: Oct 09 22:52:22 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG100723.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Oct 07 22:45:22 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.707	142	184571	21.381	ng/ul	92
37) 1-Methylnaphthalene	12.924	142	192212	21.445	ng/ul#	99
39) 1,2,4,5-Tetrachloroben...	13.048	216	98421	21.701	ng/ul#	97
40) Hexachlorocyclopentadiene	13.001	237	55950	20.549	ng/ul	87
41) 2,4,6-Trichlorophenol	13.295	196	67762	22.019	ng/ul	97
42) 2,4,5-Trichlorophenol	13.365	196	72393	21.660	ng/ul	89
43) 1,1'-Biphenyl	13.700	154	275434	21.979	ng/ul	97
44) 2-Chloronaphthalene	13.753	162	208067	21.600	ng/ul	100
45) 2-Nitroaniline	13.976	65	64937	20.587	ng/ul	94
47) Dimethylphthalate	14.305	163	262182	20.913	ng/ul	99
48) 2,6-Dinitrotoluene	14.452	165	53254	21.055	ng/ul	98
50) Acenaphthylene	14.593	152	332292	20.825	ng/ul	98
51) 3-Nitroaniline	14.793	138	53459	21.585	ng/ul	99
52) Acenaphthene	14.928	153	227749	21.095	ng/ul	97
53) 2,4-Dinitrophenol	14.993	184	28876	15.894	ng/ul	95
55) 4-Nitrophenol	15.069	109	30410	19.281	ng/ul	86
56) Dibenzofuran	15.257	168	309669	20.788	ng/ul	100
57) 2,4-Dinitrotoluene	15.228	165	76414	20.629	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.468	232	65571	20.446	ng/ul#	93
59) Diethylphthalate	15.651	149	252222	20.228	ng/ul	98
61) Fluorene	15.909	166	260987	20.591	ng/ul	92
62) 4-Chlorophenyl-phenyle...	15.886	204	133693	21.347	ng/ul	99
63) 4-Nitroaniline	15.950	138	47449	21.281	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.980	198	50638m	20.700	ng/ul	
67) N-Nitrosodiphenylamine	16.109	169	213521	21.659	ng/ul	96
68) 4-Bromophenyl-phenylether	16.790	248	81585	22.055	ng/ul	98
69) Hexachlorobenzene	16.879	284	92449	21.894	ng/ul	99
70) Atrazine	17.043	200	85622	21.906	ng/ul	97
71) Pentachlorophenol	17.237	266	50676m	20.650	ng/ul	
72) Phenanthrene	17.654	178	447805m	21.705	ng/ul	
74) Anthracene	17.748	178	454377	21.654	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.659	216	104295	23.044	ng/uL	95
76) Pentachlorobenzene	15.157	250	102863	21.960	ng/uL	95
77) Carbazole	18.024	167	377046	21.592	ng/ul	97
78) Di-n-butylphthalate	18.530	149	446747	21.624	ng/ul	97
80) Fluoranthene	19.652	202	500278	21.312	ng/ul	99
82) Pyrene	20.016	202	520662	21.342	ng/ul	98
83) Butylbenzylphthalate	20.868	149	191271	21.219	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.808	252	183594	23.632	ng/ul	95
85) Benzo(a)anthracene	21.896	228	498230	20.949	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.720	149	290282	21.532	ng/ul	99
87) Chrysene	21.967	228	468675	20.980	ng/ul	97
89) Di-n-octyl phthalate	23.018	149	490308	20.905	ng/ul	100
90) Benzo(b)fluoranthene	24.270	252	522998	21.355	ng/ul	98
91) Benzo(k)fluoranthene	24.346	252	516414	20.768	ng/ul	96
93) Benzo(a)pyrene	25.239	252	485923	20.830	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	29.423	276	562581	20.936	ng/ul	99
95) Dibenzo(a,h)anthracene	29.499	278	460394	21.070	ng/ul	97
96) Benzo(g,h,i)perylene	30.698	276	438720	20.471	ng/ul	96

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