

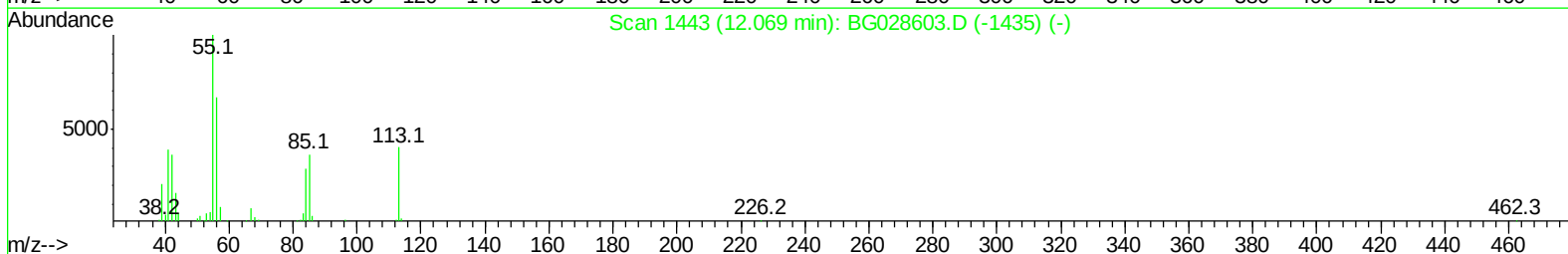
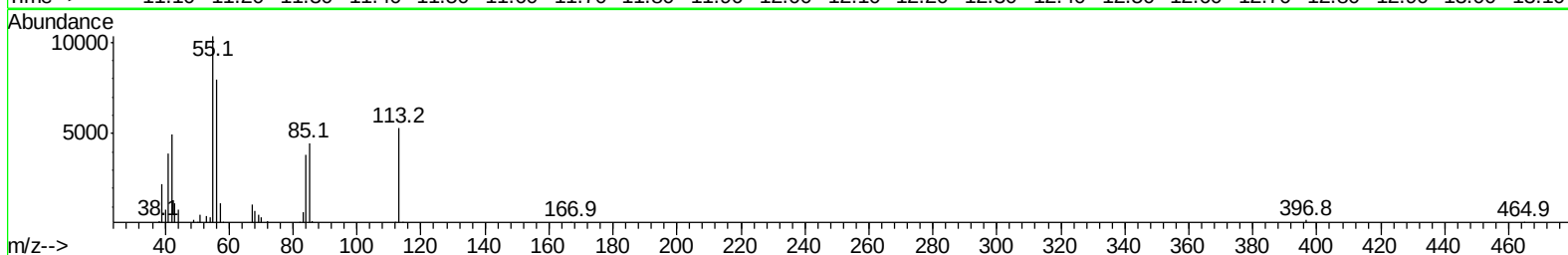
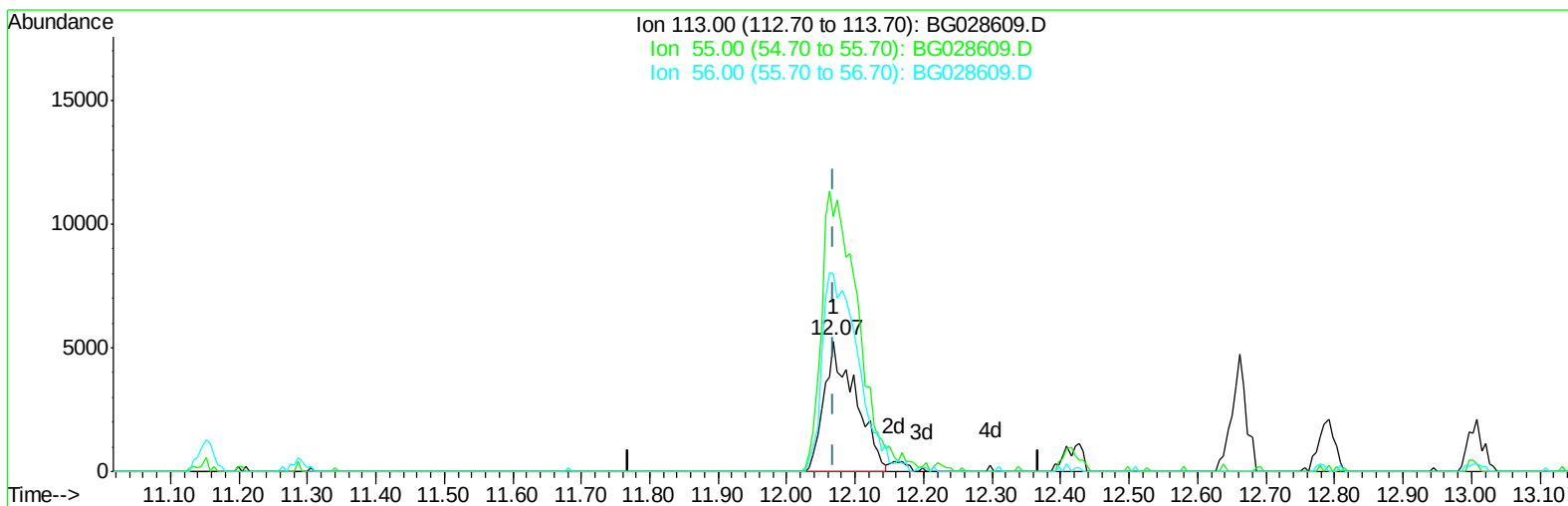
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

Sohil
9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
Response via : Initial Calibration



TIC: BG028609.D

(32) Caprolactam

12.068min (-0.001) 19.30ng/ul

response 16902

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	195.60
56.00	160.60	151.35
0.00	0.00	0.00

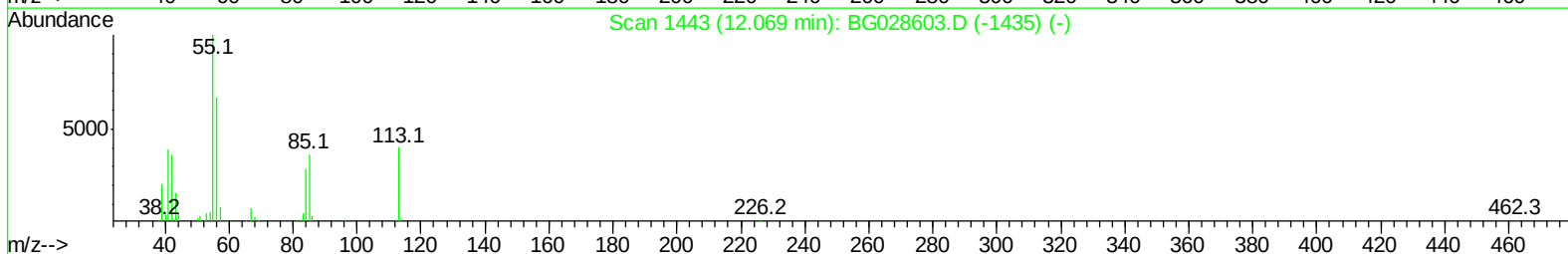
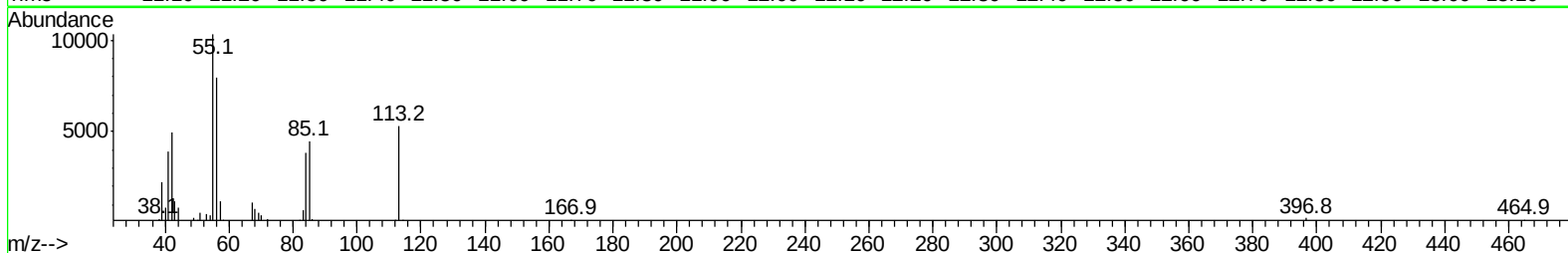
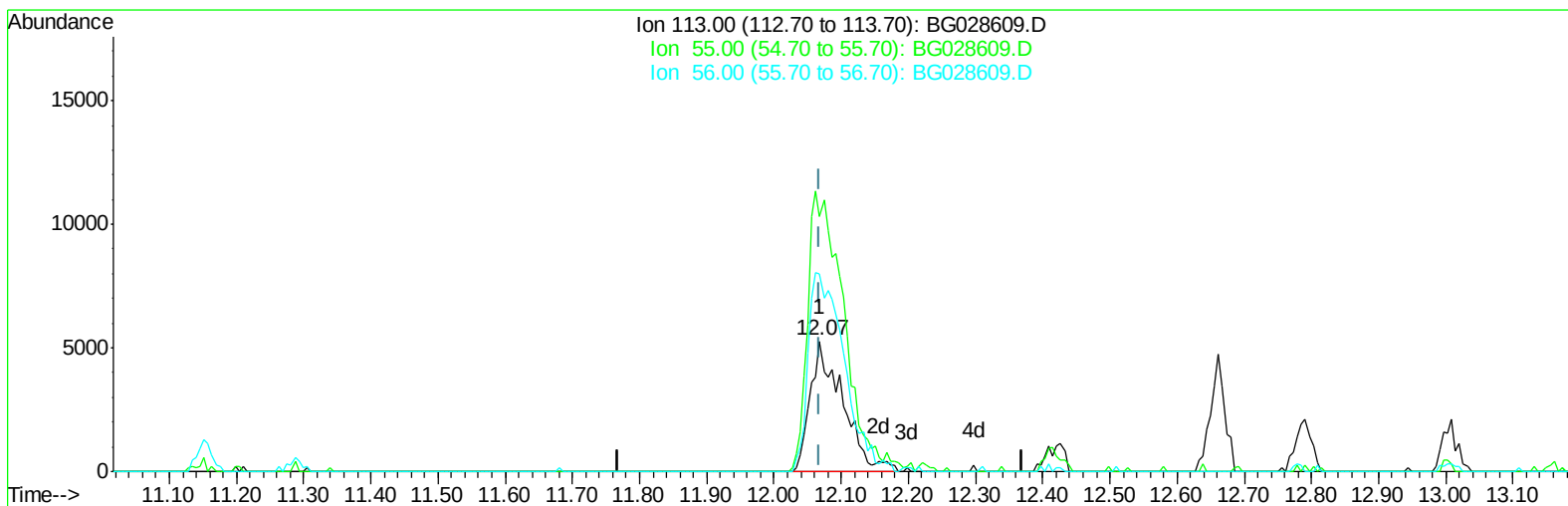
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Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
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Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

Sohil
9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
Response via : Initial Calibration



TIC: BG028609.D

(32) Caprolactam

12.068min (-0.001) 20.12ng/ul m

response 17613

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	195.60
56.00	160.60	151.35
0.00	0.00	0.00

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

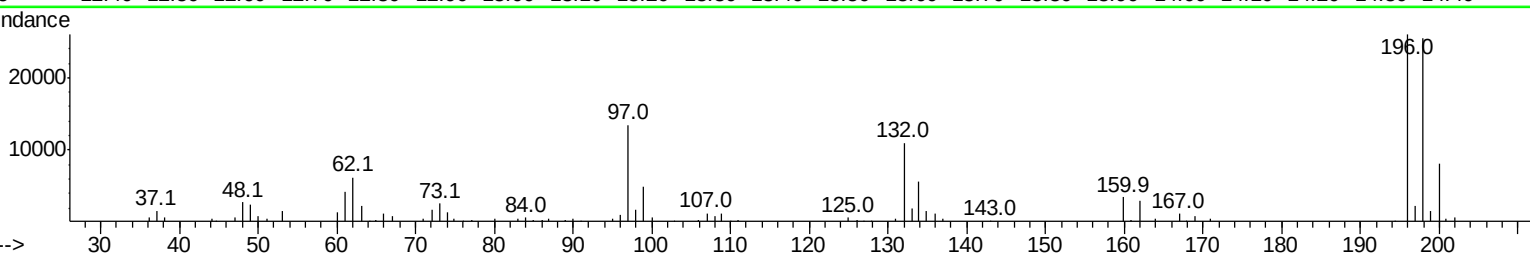
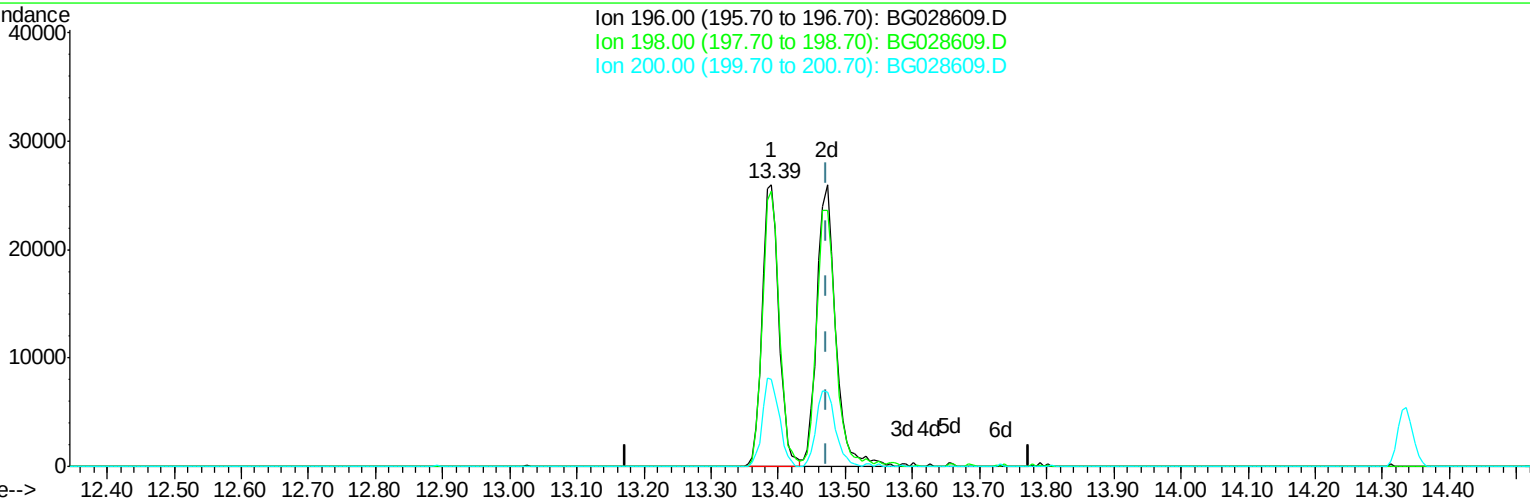
Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

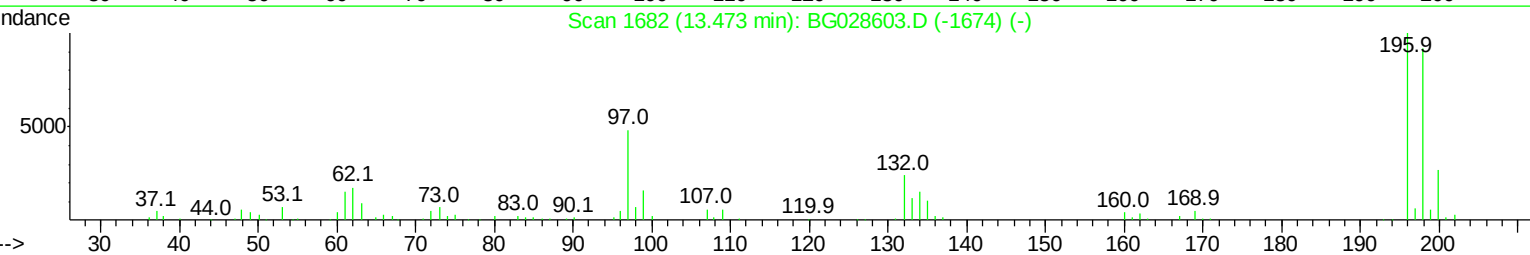
Sohil
9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
Response via : Initial Calibration

Ion 196.00 (195.70 to 196.70): BG028609.D
Ion 198.00 (197.70 to 198.70): BG028609.D
Ion 200.00 (199.70 to 200.70): BG028609.D



Scan 1682 (13.473 min): BG028603.D (-1674) (-)



TIC: BG028609.D

(39) 2,4,5-Trichlorophenol

13.390min (-0.083) 18.08ng/ul

response 44222

Ion	Exp%	Act%
196.00	100	100
198.00	98.30	97.94
200.00	34.10	31.00
0.00	0.00	0.00

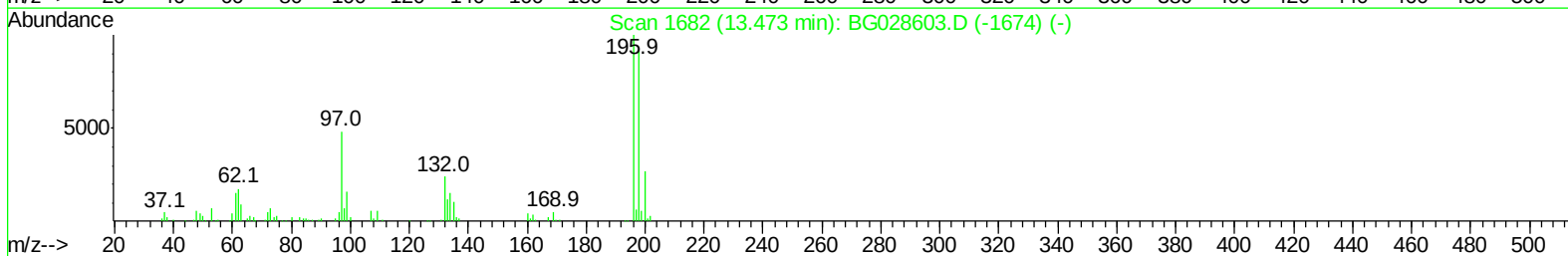
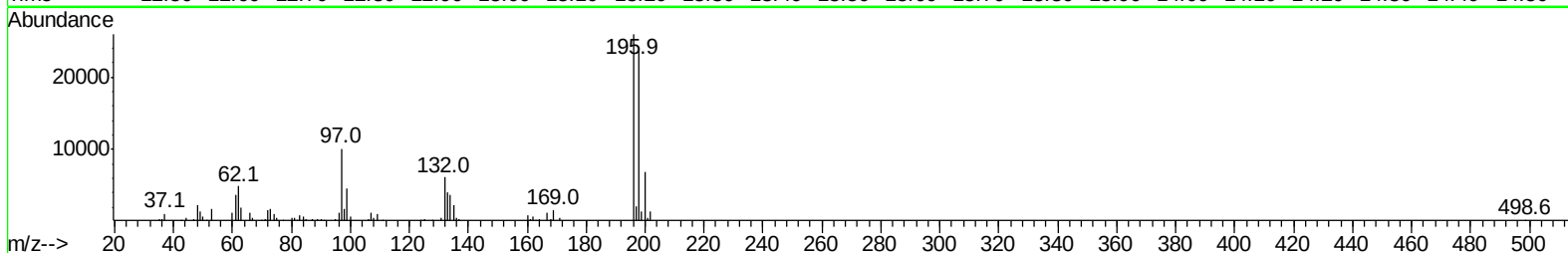
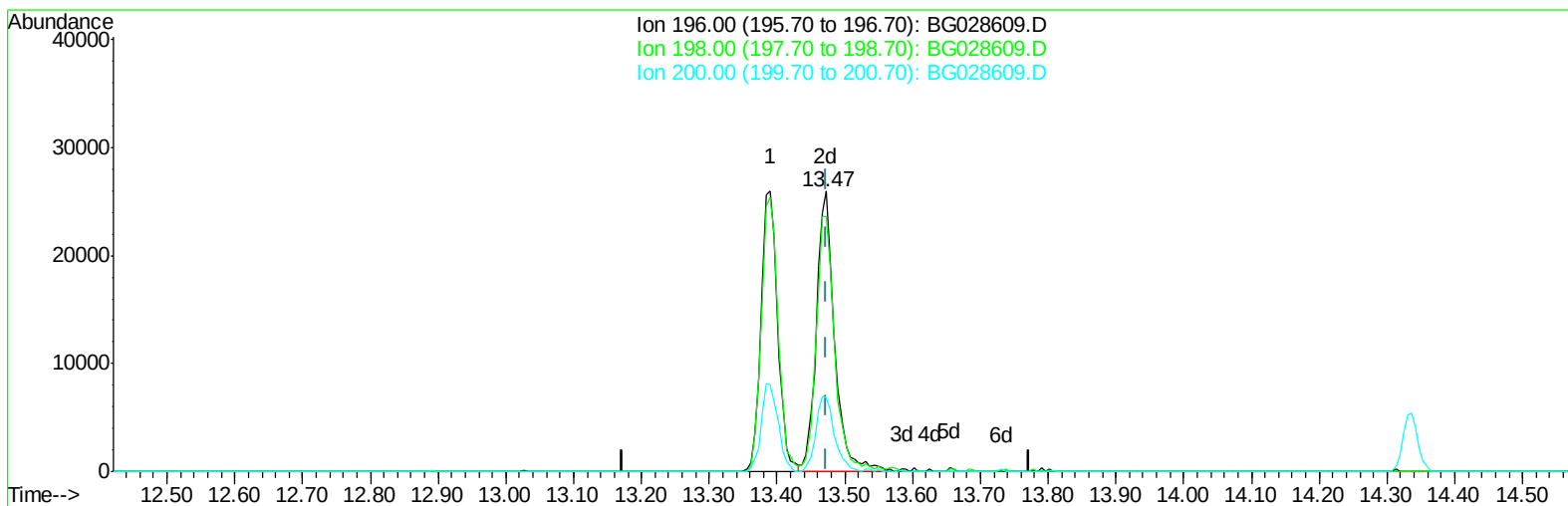
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

Sohil
9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
Response via : Initial Calibration



TIC: BG028609.D

(39) 2,4,5-Trichlorophenol

13.473min (-0.001) 20.10ng/ul m

response 49179

Ion	Exp%	Act%
196.00	100	100
198.00	98.30	91.30
200.00	34.10	26.29#
0.00	0.00	0.00

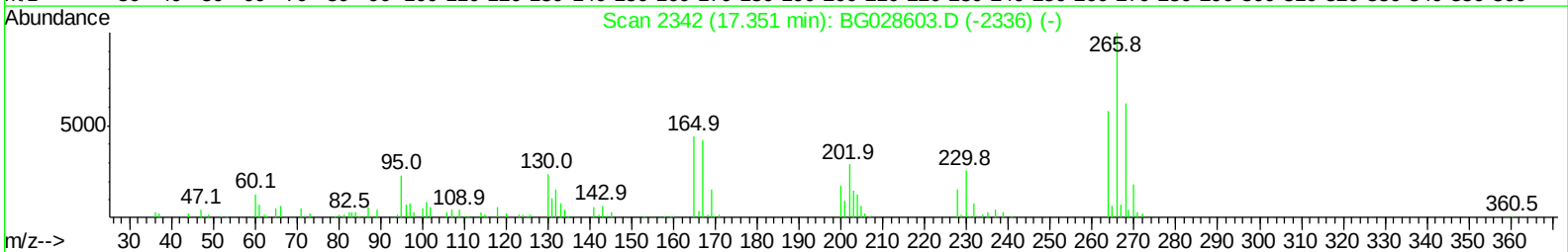
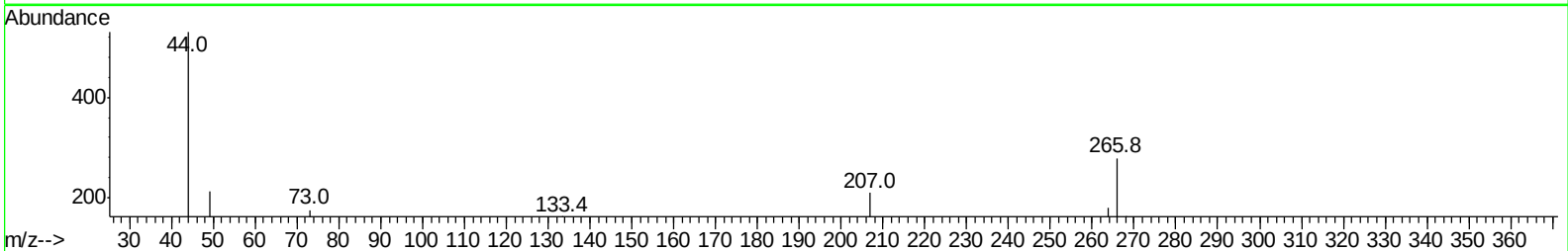
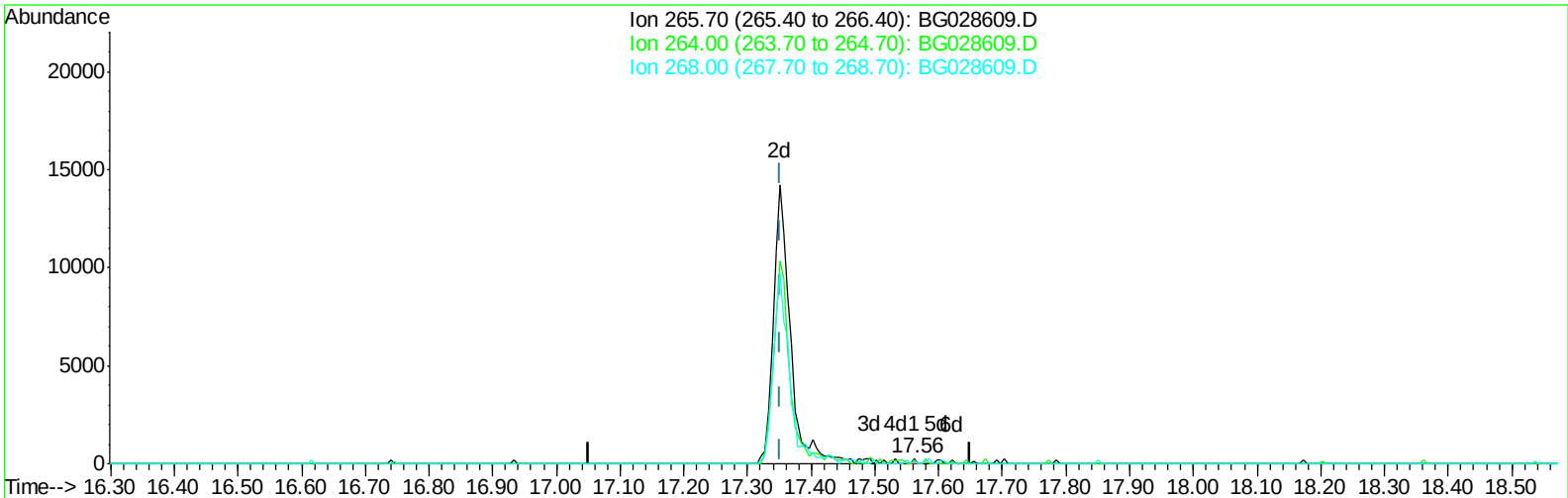
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090917\
 Data File : BG028609.D
 Acd On : 9 Sep 2017 9:04
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02060

Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 08 17:44:00 2017
 Response via : Initial Calibration



TIC: BG028609.D

(68) Pentachlorophenol (C)

17.562min (+0.211) 0.07ng/ul

response 98

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	64.39
268.00	70.30	57.91
0.00	0.00	0.00

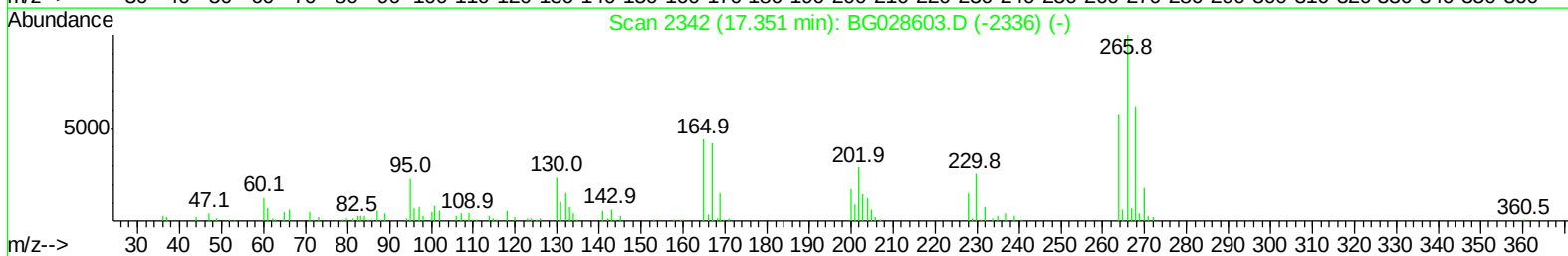
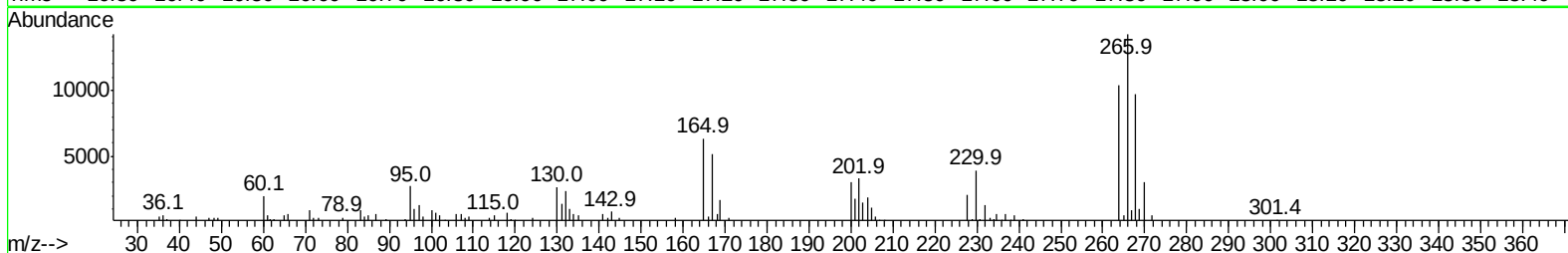
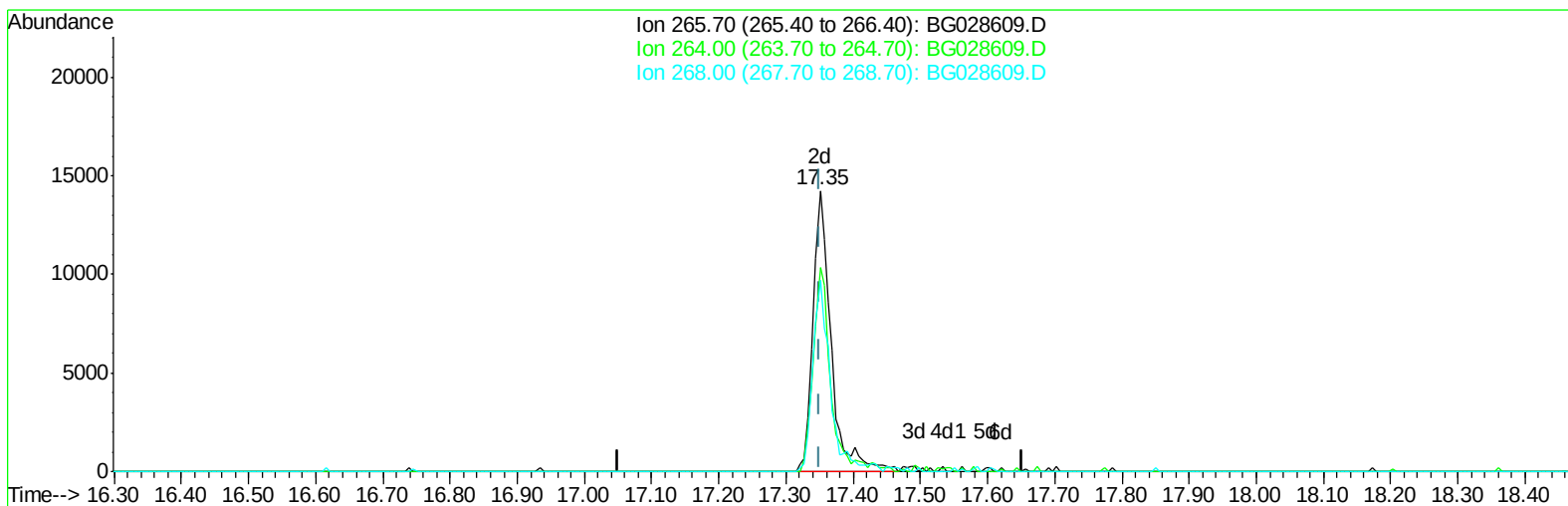
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

Sohil
9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
Response via : Initial Calibration



TIC: BG028609.D

(68) Pentachlorophenol (C)

17.350min (-0.001) 17.86ng/ul m

response 26070

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	72.86#
268.00	70.30	68.37
0.00	0.00	0.00

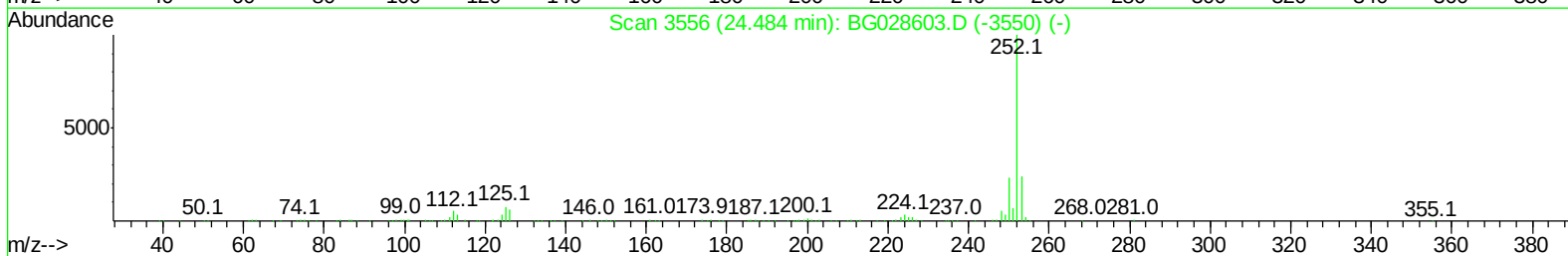
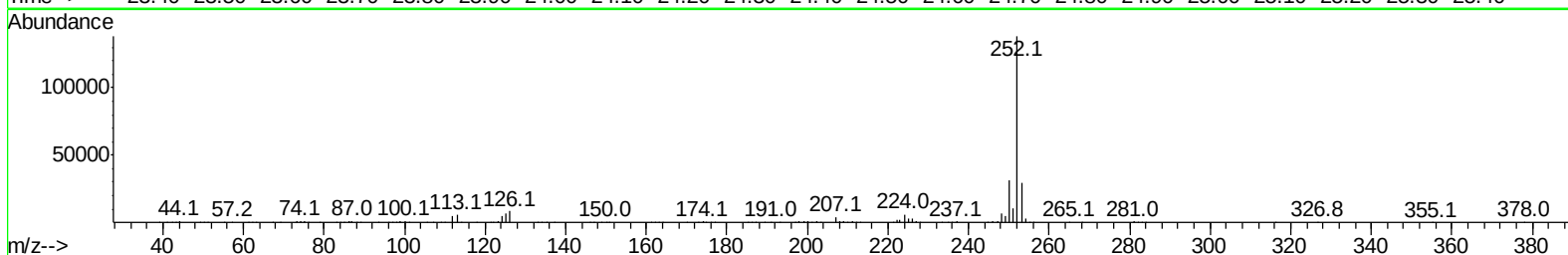
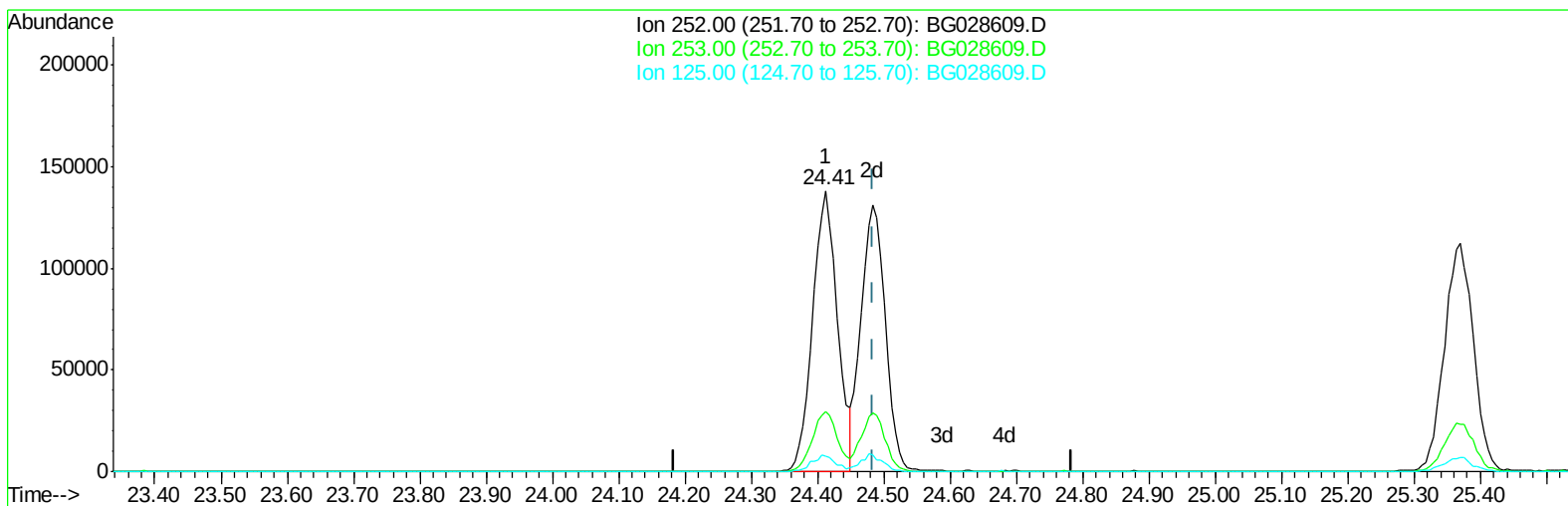
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

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9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG028609.D

(86) Benzo(k)fluoranthene

24.413min (-0.071) 20.58ng/ul

response 358466

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	21.39
125.00	5.10	5.26
0.00	0.00	0.00

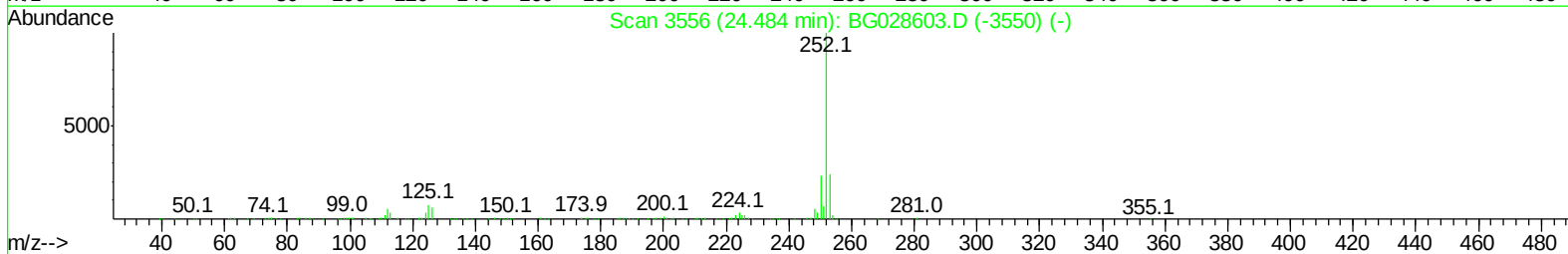
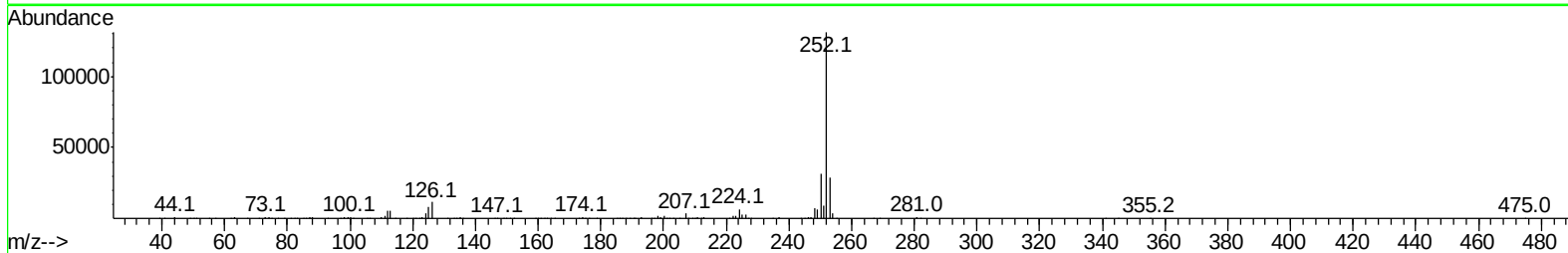
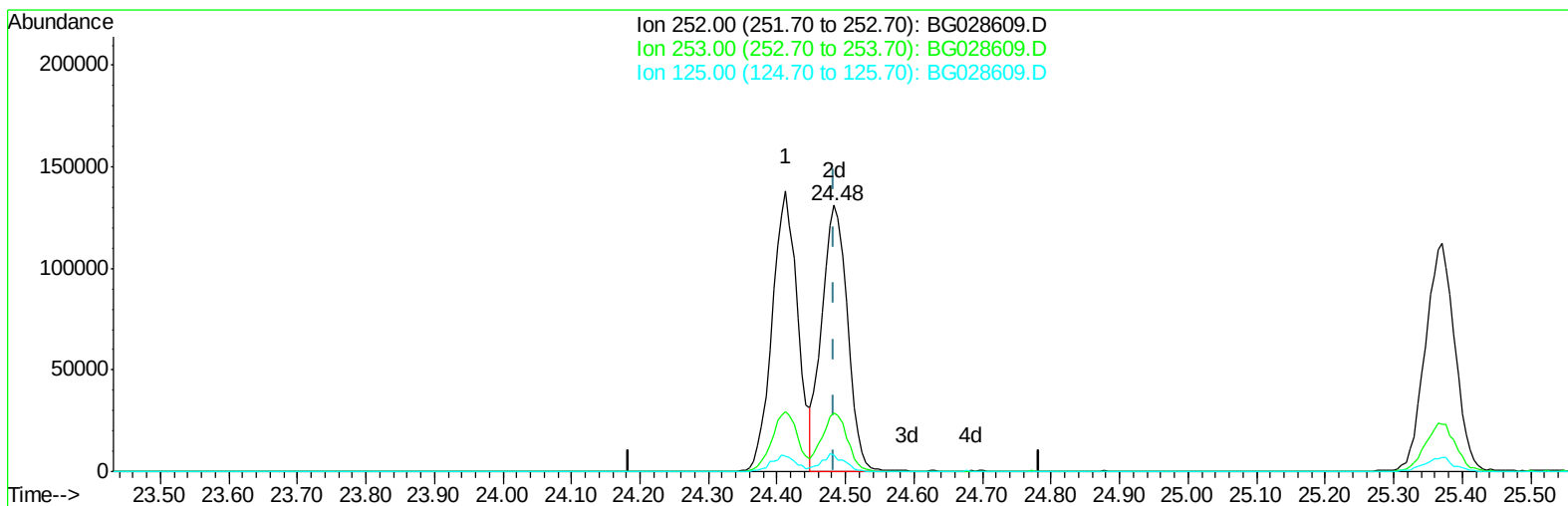
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090917\
Data File : BG028609.D
Acq On : 9 Sep 2017 9:04
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02060

Manual Integrations
APPROVED

Sohil
9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:11:05 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 08 17:44:00 2017
Response via : Initial Calibration



TIC: BG028609.D

(86) Benzo(k)fluoranthene

24.483min (-0.001) 19.55ng/ul m

response 340398

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	22.03
125.00	5.10	6.31#
0.00	0.00	0.00

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090917\
 Data File : BG028609.D
 Acq On : 9 Sep 2017 9:04
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02060

Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:18:06 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 08 17:44:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	34557	20.00	ng/ul	0.00
18) Naphthalene-d8	11.15	136	136844	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	97171	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	245916	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	297244	20.00	ng/ul	0.00
83) Perylene-d12	25.53	264	291861	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	5444	7.16	ng/uL	0.00
5) Phenol-d5	7.49	99	62944	19.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.65	67	38466	19.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.87	132	45929	19.64	ng/ul	0.00
13) 4-Methylphenol-d8	9.03	113	49859	18.44	ng/ul	0.00
19) Nitrobenzene-d5	9.50	128	23111	20.16	ng/ul	0.00
22) 2-Nitrophenol-d4	10.23	143	26379	19.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	51558	20.19	ng/ul	0.00
29) 4-Chloroaniline-d4	11.29	131	43082	19.19	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	174291	19.57	ng/ul	0.00
46) Acenaphthylene-d8	14.64	160	196564	19.41	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	24682	17.92	ng/ul	0.00
57) Fluorene-d10	15.93	176	151107	19.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	32105	18.55	ng/ul	0.00
70) Anthracene-d10	17.80	188	245621	19.88	ng/ul	0.00
76) Pyrene-d10	20.07	212	291533	20.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.29	264	280232	19.76	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.85	88	6657	7.501	ng/uL#	90
4) Benzaldehyde	7.48	77	44201	21.075	ng/ul	92
6) Phenol	7.51	94	65469	19.895	ng/ul#	85
8) Bis(2-Chloroethyl)ether	7.74	93	43658	18.649	ng/ul	99
10) 2-Chlorophenol	7.90	128	43802	19.511	ng/ul	96
11) 2-Methylphenol	8.77	108	43513	18.382	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.85	45	84901	19.332	ng/ul#	94
14) Acetophenone	9.16	105	78713	20.267	ng/ul#	84
15) N-Nitroso-di-n-propylamine	9.12	70	41568	19.541	ng/ul#	90
16) 4-Methylphenol	9.10	108	49475	18.952	ng/ul	97
17) Hexachloroethane	9.42	117	19442	20.041	ng/ul	93
20) Nitrobenzene	9.55	77	60873	19.221	ng/ul	97
21) Isophorone	10.06	82	119486	20.495	ng/ul#	96
23) 2-Nitrophenol	10.26	139	26141	20.070	ng/ul	85
24) 2,4-Dimethylphenol	10.31	107	60708	20.025	ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.53	93	63819	20.350	ng/ul	96
27) 2,4-Dichlorophenol	10.80	162	47157	20.092	ng/ul#	89
28) Naphthalene	11.20	128	143476	20.036	ng/ul	99
30) 4-Chloroaniline	11.31	127	40591	18.973	ng/ul#	86
31) Hexachlorobutadiene	11.47	225	39430	20.316	ng/ul	94
32) Caprolactam	12.07	113	17613m	20.117	ng/ul	
33) 4-Chloro-3-methylphenol	12.41	107	56953	20.005	ng/ul	96
34) 2-Methylnaphthalene	12.79	142	109628	19.903	ng/ul	91

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG090917\
 Data File : BG028609.D
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 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 LabSampleId :
 SSTD02060

Manual Integrations
 APPROVED

Sohil
 9/11/2017 2:44:08 PM

Quant Time: Sep 11 01:18:06 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG090817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 08 17:44:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.15	216	70306	19.326	ng/ul	94
37) Hexachlorocyclopentadiene	13.12	237	22213	15.368	ng/ul	91
38) 2,4,6-Trichlorophenol	13.39	196	44222	19.151	ng/ul	93
39) 2,4,5-Trichlorophenol	13.47	196	49179m	20.105	ng/ul	
40) 1,1'-Biphenyl	13.78	154	146231	19.352	ng/ul	99
41) 2-Chloronaphthalene	13.83	162	114217	19.310	ng/ul	97
42) 2-Nitroaniline	14.03	65	44289	19.526	ng/ul	95
44) Dimethylphthalate	14.38	163	159013	19.388	ng/ul	98
45) 2,6-Dinitrotoluene	14.52	165	35652	20.119	ng/ul#	89
47) Acenaphthylene	14.67	152	187873	19.660	ng/ul	99
48) 3-Nitroaniline	14.85	138	25974	19.863	ng/ul#	86
49) Acenaphthene	15.01	153	126521	19.354	ng/ul	92
50) 2,4-Dinitrophenol	15.07	184	14446	16.747	ng/ul	86
52) 4-Nitrophenol	15.16	109	23662	18.639	ng/ul#	80
53) Dibenzofuran	15.34	168	185923	19.591	ng/ul	97
54) 2,4-Dinitrotoluene	15.31	165	51577	19.568	ng/ul#	90
55) 2,3,4,6-Tetrachlorophenol	15.57	232	44528	19.496	ng/ul#	99
56) Diethylphthalate	15.73	149	164364	18.940	ng/ul	97
58) Fluorene	15.99	166	160490	19.487	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.97	204	86910	18.893	ng/ul	86
60) 4-Nitroaniline	16.02	138	34804	19.858	ng/ul#	71
63) 4,6-Dinitro-2-methylphenol	16.08	198	32741	18.860	ng/ul#	93
64) N-Nitrosodiphenylamine	16.19	169	132262	19.493	ng/ul	99
65) 4-Bromophenyl-phenylether	16.87	248	59662	19.772	ng/ul	93
66) Hexachlorobenzene	17.00	284	64086	19.959	ng/ul	97
67) Atrazine	17.13	200	59806	19.598	ng/ul	99
68) Pentachlorophenol	17.35	266	26070m	17.864	ng/ul	
69) Phenanthrene	17.74	178	257679	19.887	ng/ul	99
71) Anthracene	17.83	178	267955	20.005	ng/ul	100
72) Carbazole	18.10	167	231824	20.201	ng/ul	99
73) Di-n-butylphthalate	18.63	149	287944	20.104	ng/ul#	97
74) Fluoranthene	19.74	202	332443	20.253	ng/ul	100
77) Pyrene	20.10	202	346315	20.185	ng/ul	98
78) Butylbenzylphthalate	20.96	149	133238	20.126	ng/ul	90
79) 3,3'-Dichlorobenzidine	21.91	252	103794	20.425	ng/ul	89
80) Benzo(a)anthracene	22.01	228	355410	20.177	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.86	149	189269	20.147	ng/ul	99
82) Chrysene	22.08	228	320748	20.216	ng/ul	97
84) Di-n-octyl phthalate	23.16	149	332166	19.927	ng/ul	100
85) Benzo(b)fluoranthene	24.41	252	358466	19.979	ng/ul	99
86) Benzo(k)fluoranthene	24.48	252	340398m	19.545	ng/ul	
88) Benzo(a)pyrene	25.37	252	339964	19.494	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.57	276	412886	19.867	ng/ul	97
90) Dibenzo(a,h)anthracene	29.61	278	344996	19.888	ng/ul	97
91) Benzo(g,h,i)perylene	30.82	276	341997	20.164	ng/ul	97

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

