

Instrument :
BNA_G
LabSampleId :
SSTD02020

mohammad

1/27/2017 3:05:13 PM

Abundance

TIC: BG025661.D

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

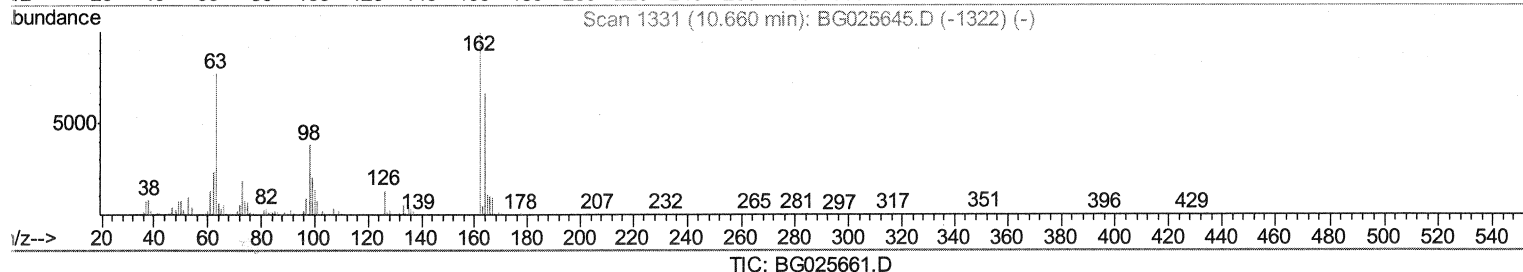
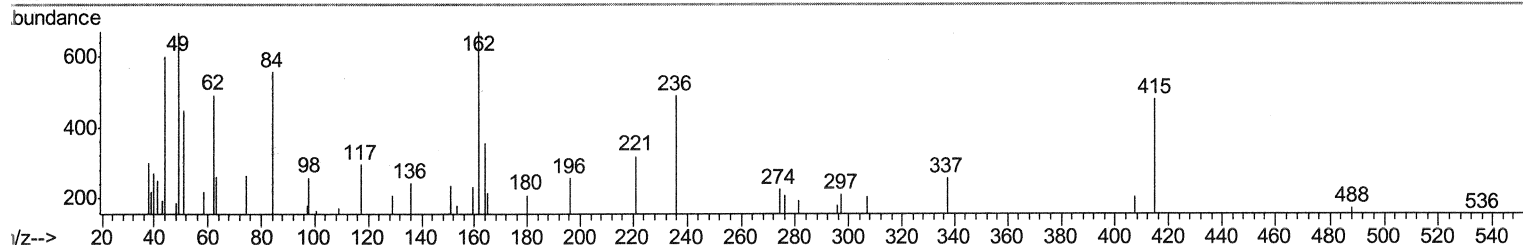
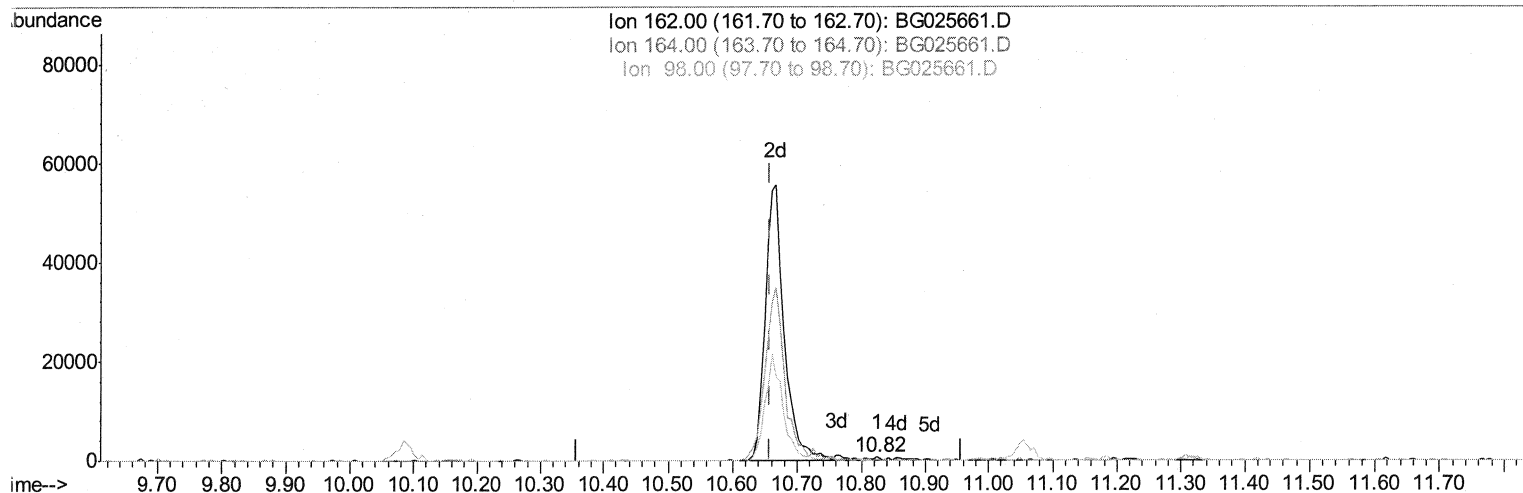
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:16:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(27) 2,4-Dichlorophenol (C)

10.825min (+0.167) 0.14ng/ul

response 711

Ion	Exp%	Act%
162.00	100	100
164.00	63.50	52.99
98.00	40.10	38.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

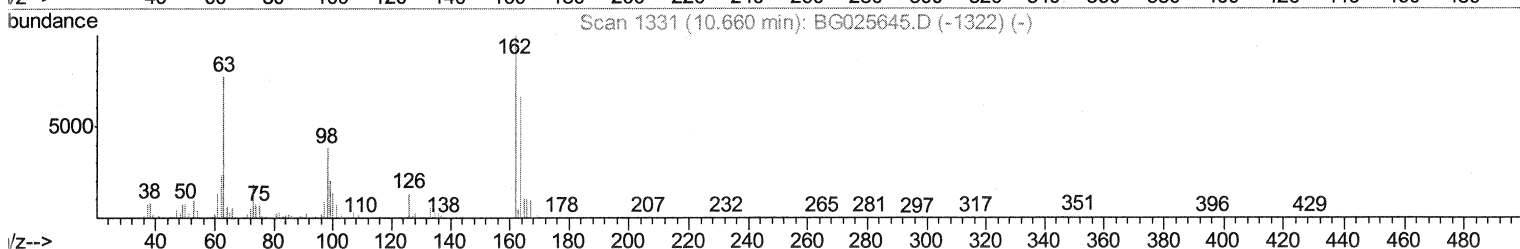
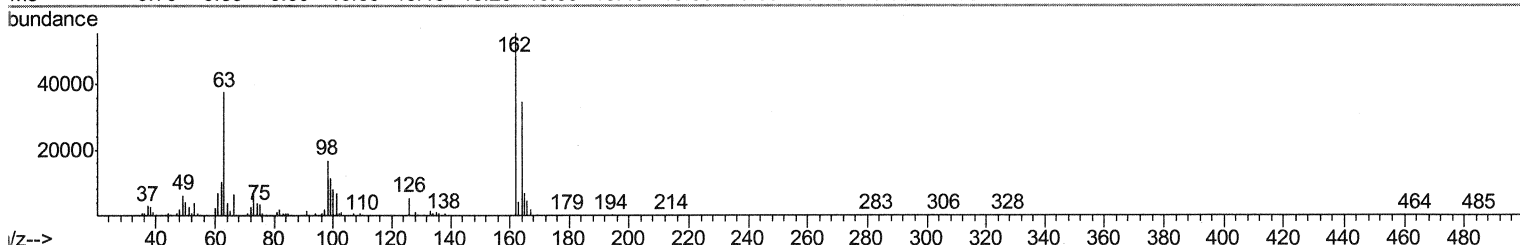
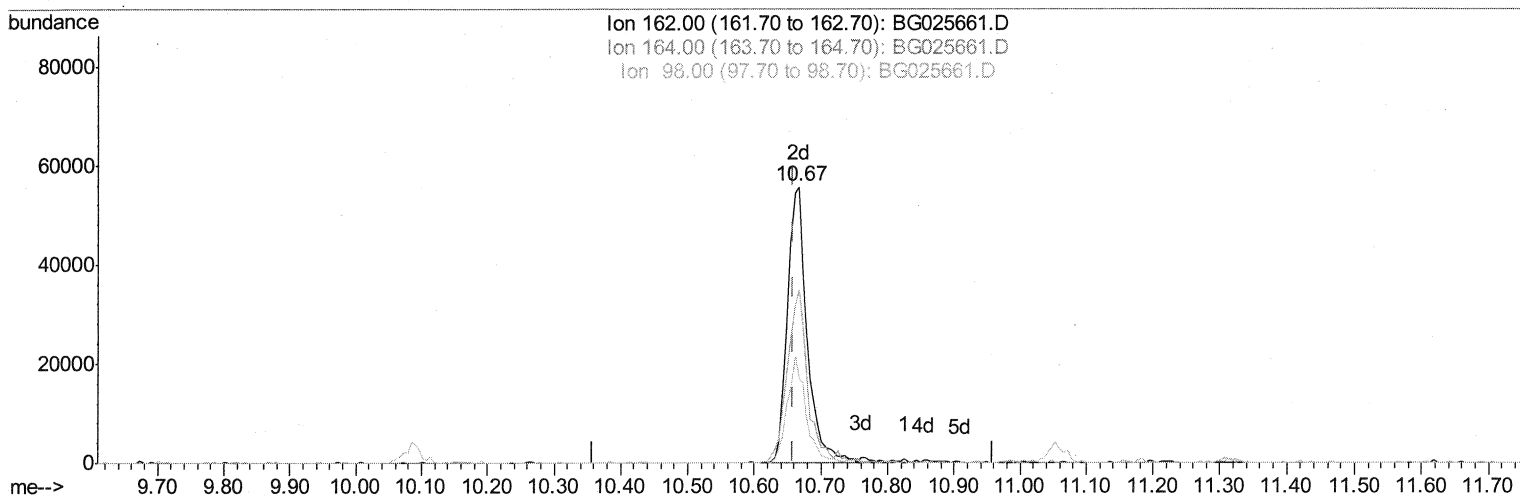
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:16:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(27) 2,4-Dichlorophenol (C)

10.666min (+0.008) 21.83ng/ul m

SJ 1/27/17

response 113583

Ion	Exp%	Act%
162.00	100	100
164.00	63.50	62.76
98.00	40.10	30.34#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

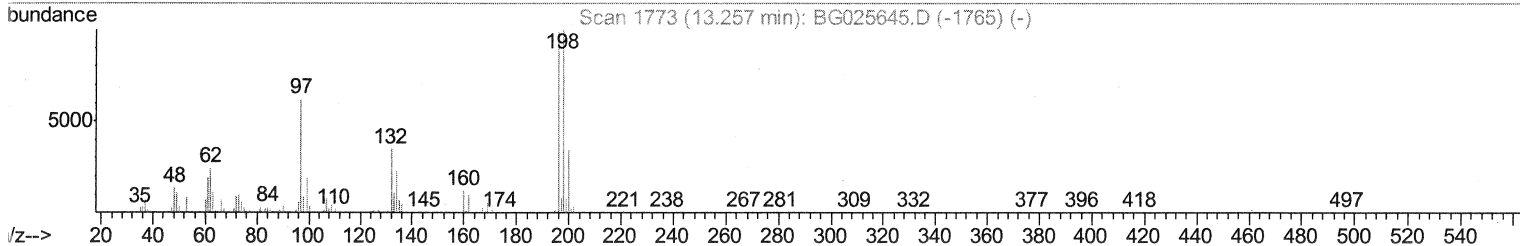
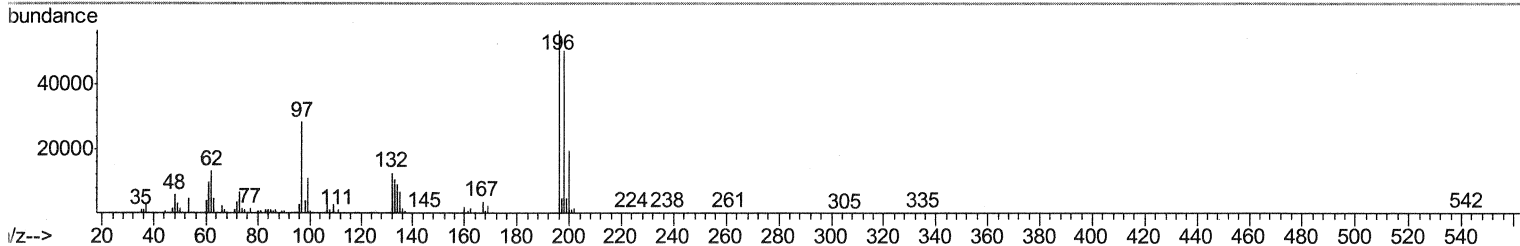
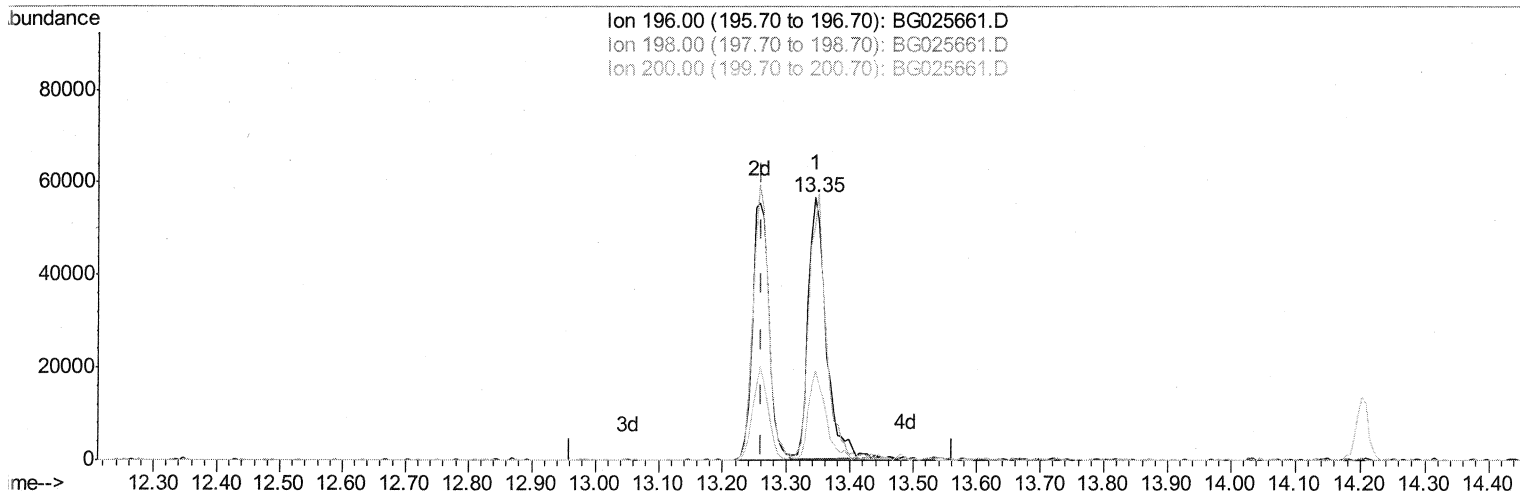
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:16:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(38) 2,4,6-Trichlorophenol (C)

13.345min (+0.084) 23.08ng/ul

response 112255

Ion	Exp%	Act%
196.00	100	100
198.00	89.30	89.03
200.00	30.80	34.36
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025661.D
Acq On : 26 Jan 2017 10:53
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

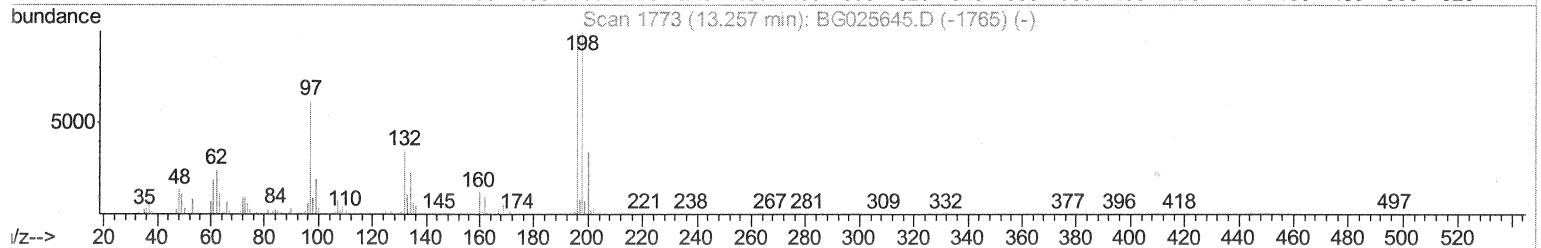
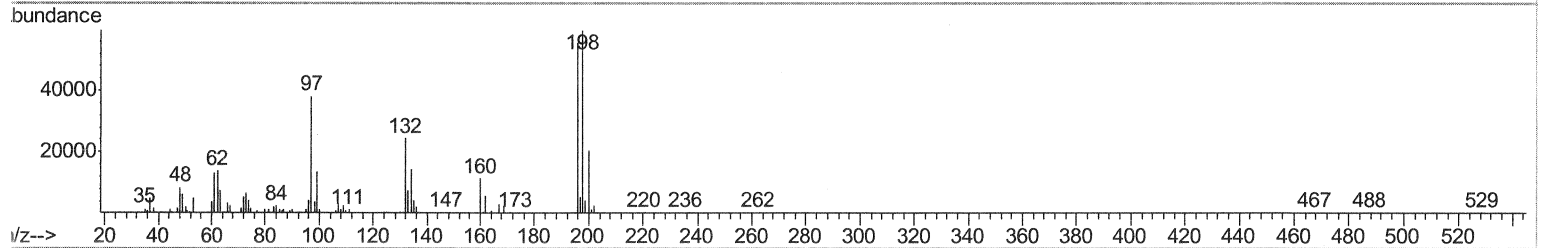
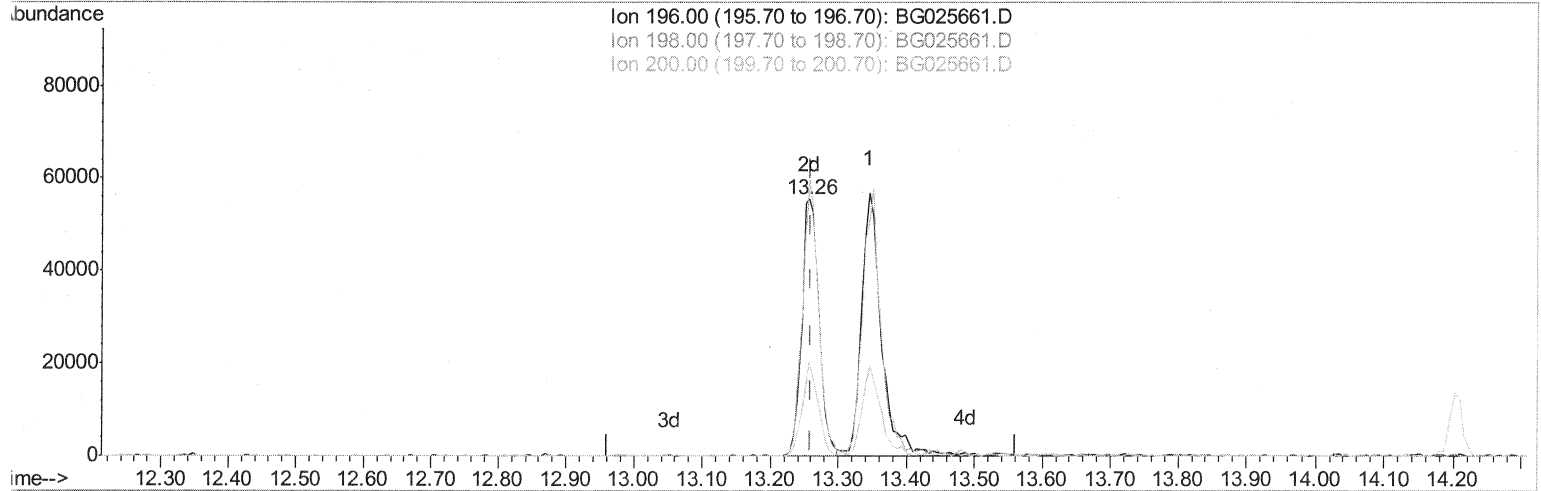
Instrument :
BNA_G
LabSampleId :
SSTD02020

Manual Integrations
APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:16:18 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 18:08:33 2017
Response via : Initial Calibration



TIC: BG025661.D

(38) 2,4,6-Trichlorophenol (C)

13.257min (-0.004) 20.54ng/ul m

SJ 1/27/17

response 99911

Ion	Exp%	Act%
196.00	100	100
198.00	89.30	107.46#
200.00	30.80	36.89
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

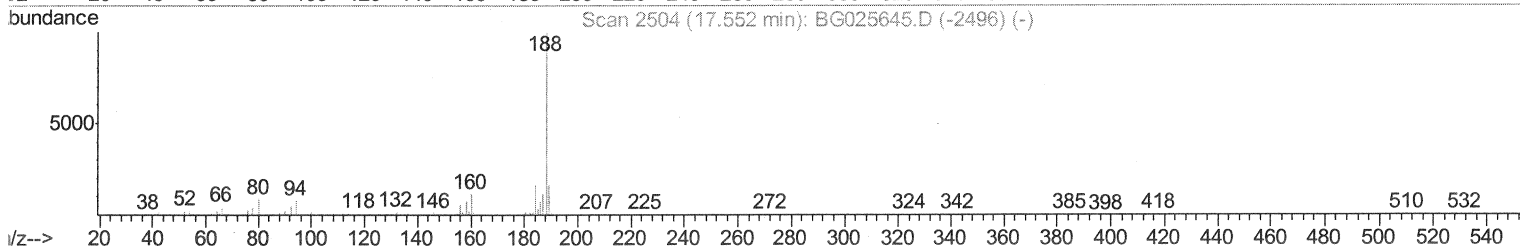
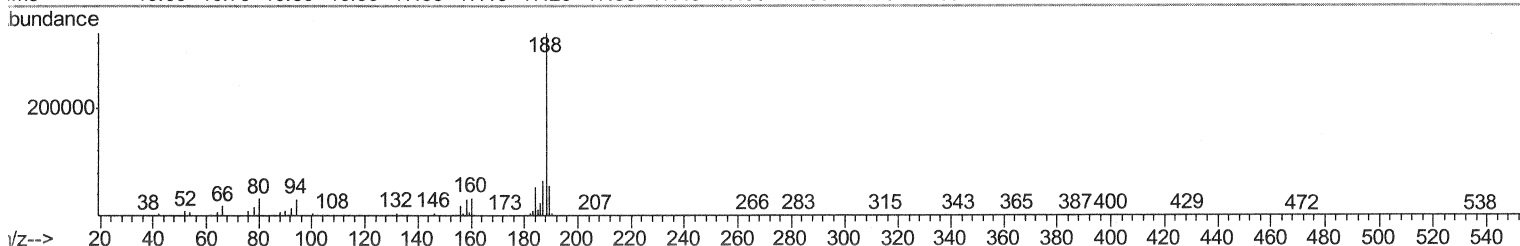
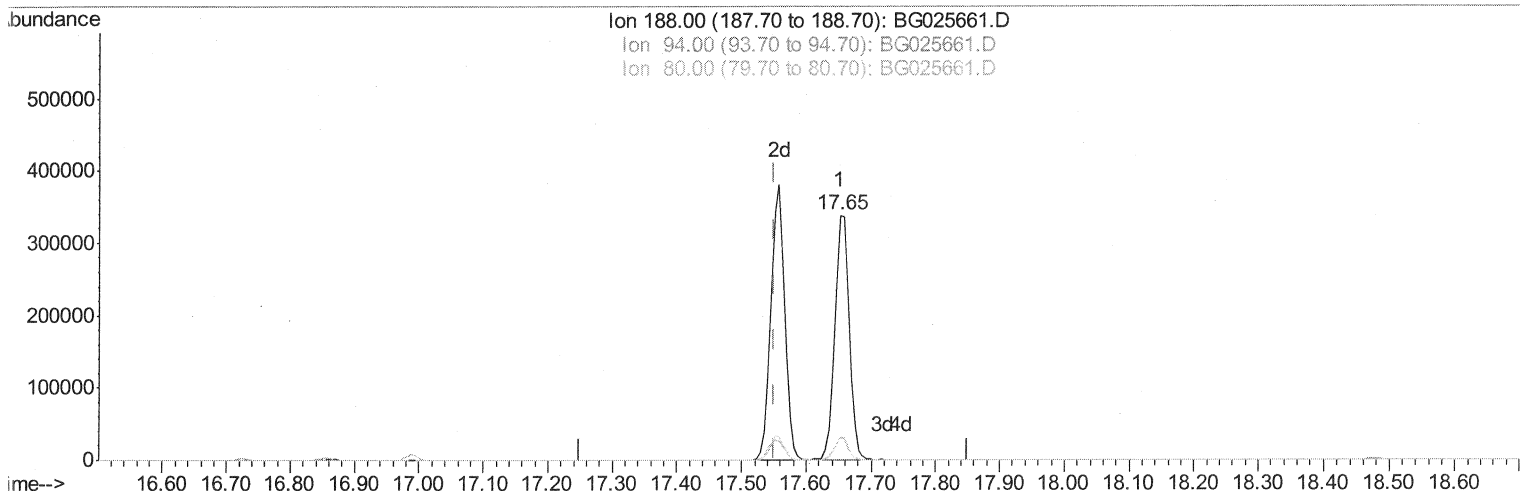
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:16:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(61) Phenanthrene-d10 (I)

17.652min (+0.102) 20.00ng/ul

response 533361

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	9.31
80.00	9.50	9.46
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

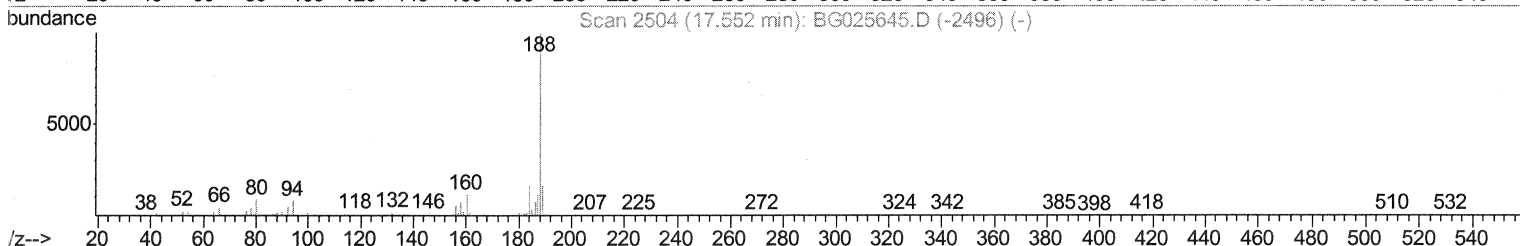
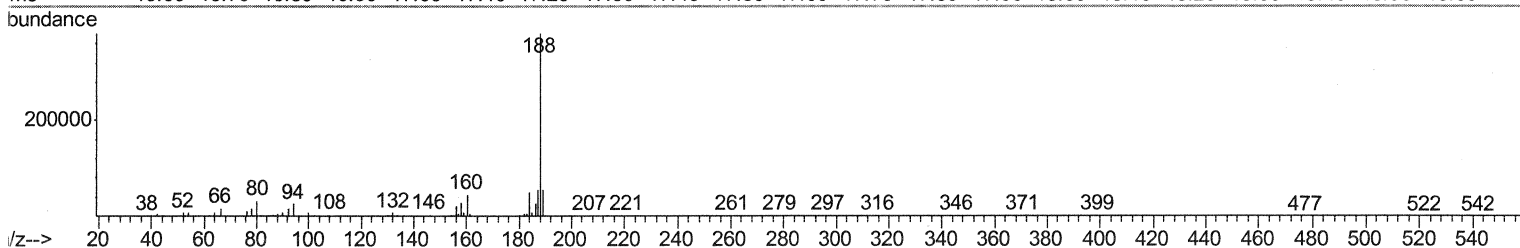
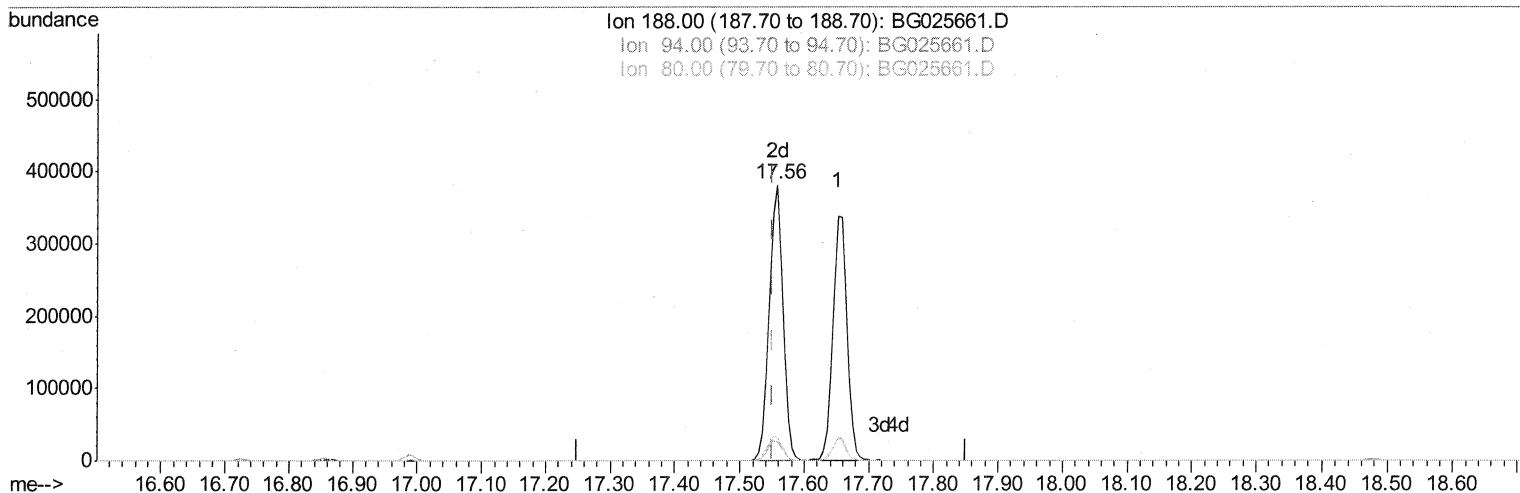
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:16:18 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(61) Phenanthrene-d10 (I)

17.558min (+0.008) 20.00ng/ul m SJ 1/27/17

response 571894

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.84#
80.00	9.50	8.51
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

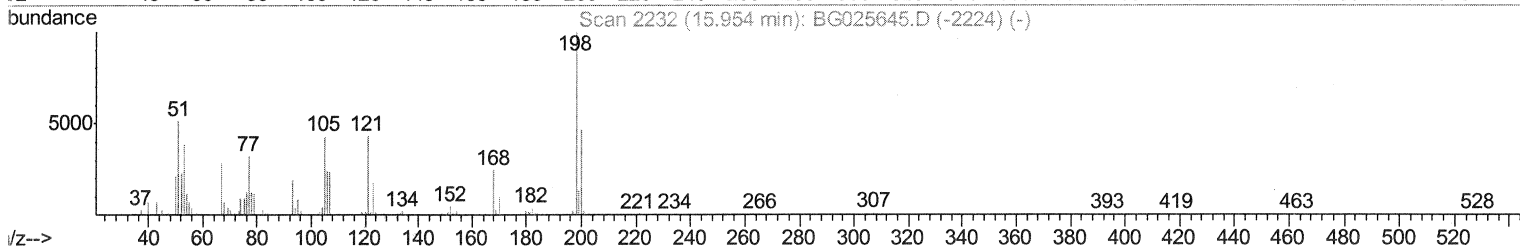
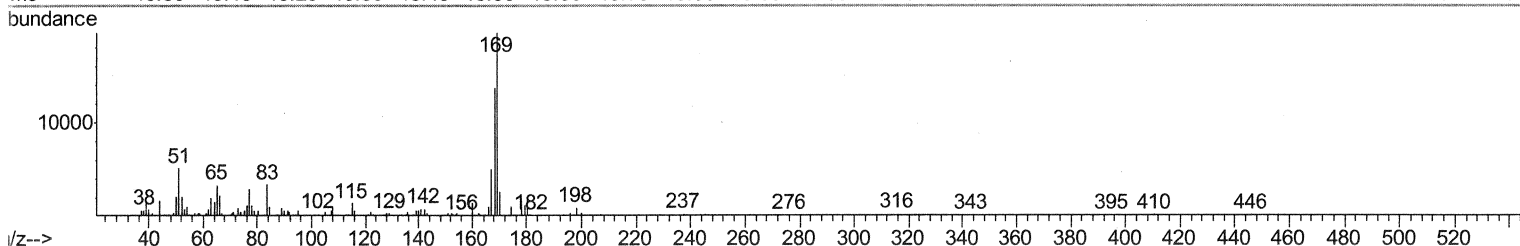
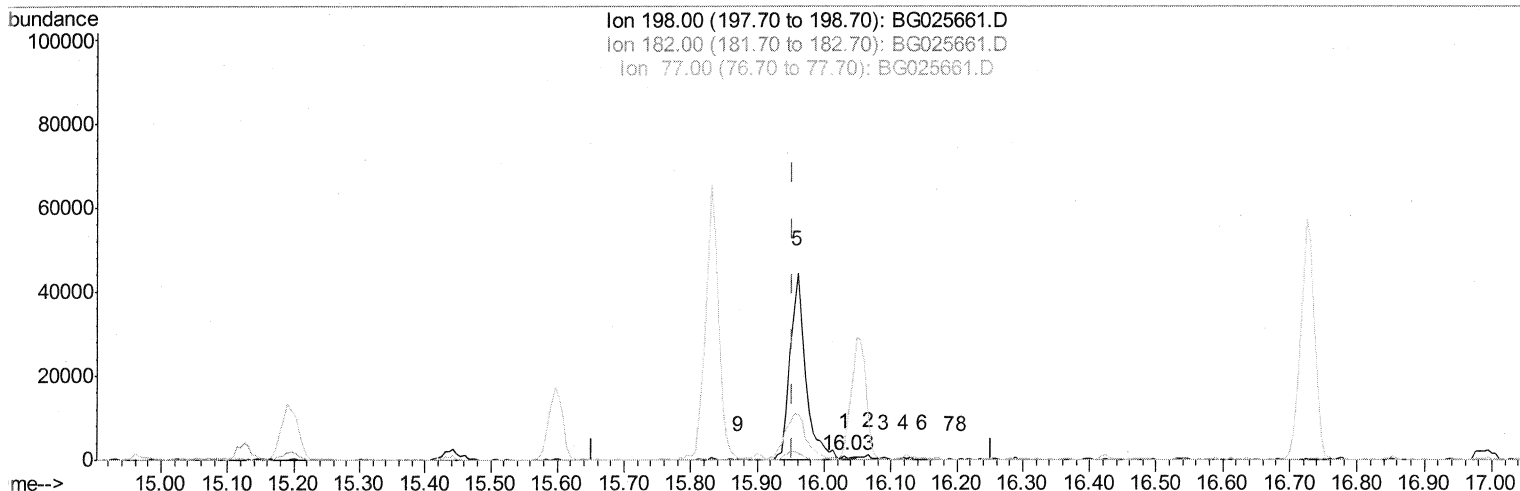
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:33:25 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(63) 4,6-Dinitro-2-methylphenol

16.031min (+0.079) 0.15ng/ul

response 554

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	16.90#
77.00	28.00	301.92#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025661.D
Acq On : 26 Jan 2017 10:53
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

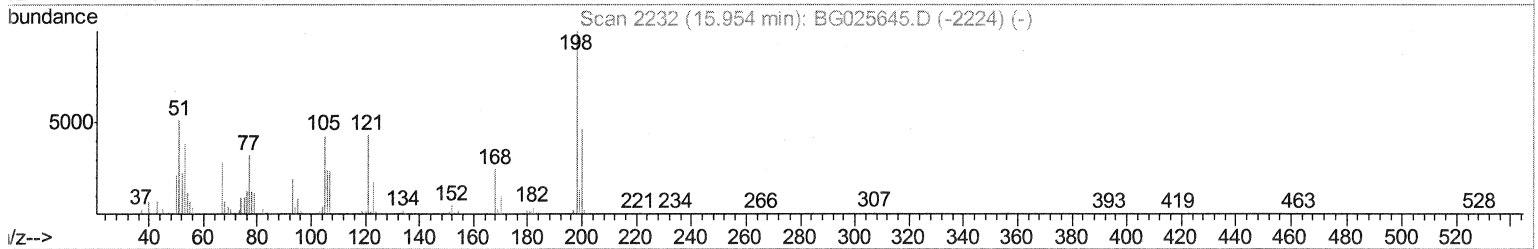
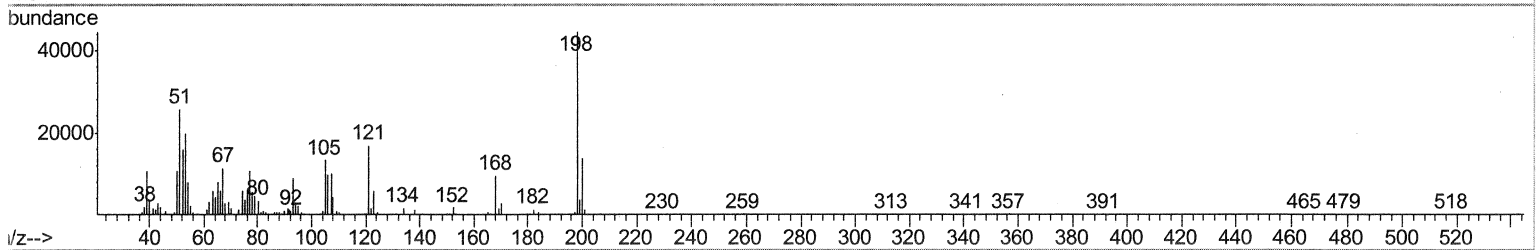
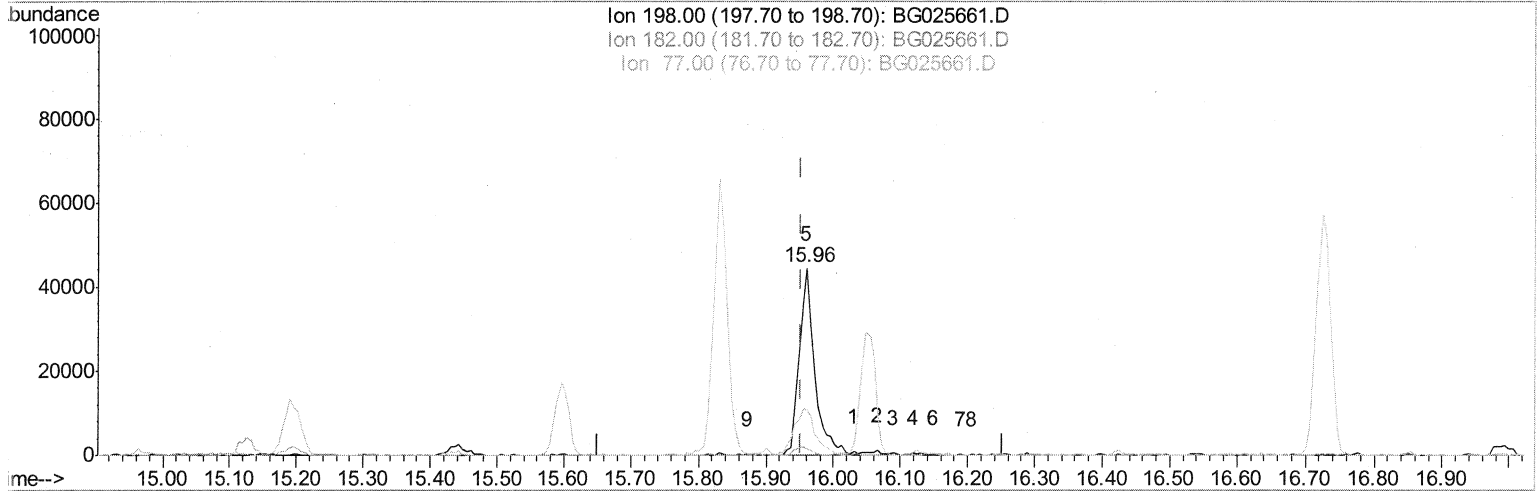
Instrument :
BNA_G
LabSampleID :
SSTD02020

Manual Integrations
APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:33:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 18:08:33 2017
Response via : Initial Calibration



TIC: BG025661.D

(63) 4,6-Dinitro-2-methylphenol

15.960min (+0.008) 19.95ng/ul m

SJ 1/27/17

response 72553

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	3.09#
77.00	28.00	24.33
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025661.D
Acq On : 26 Jan 2017 10:53
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

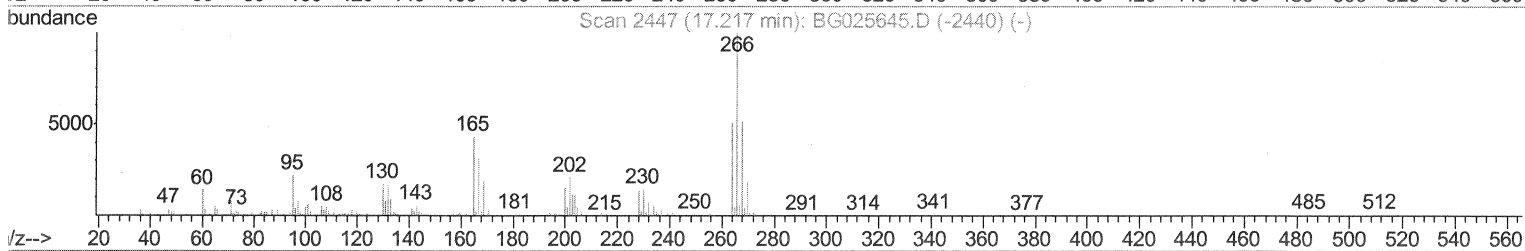
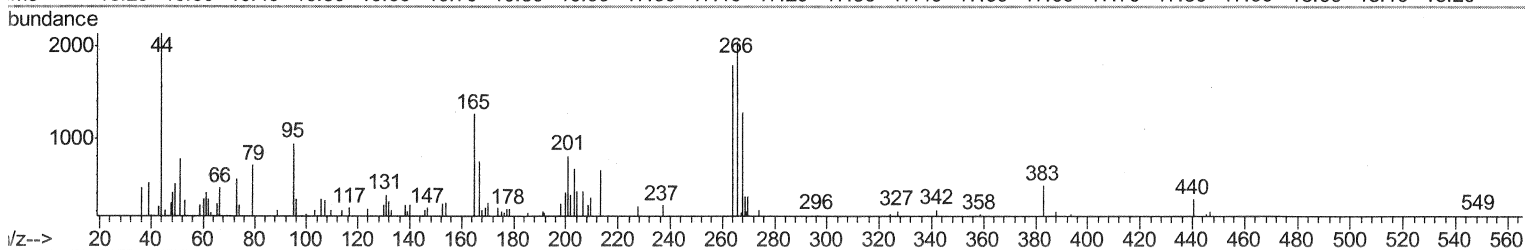
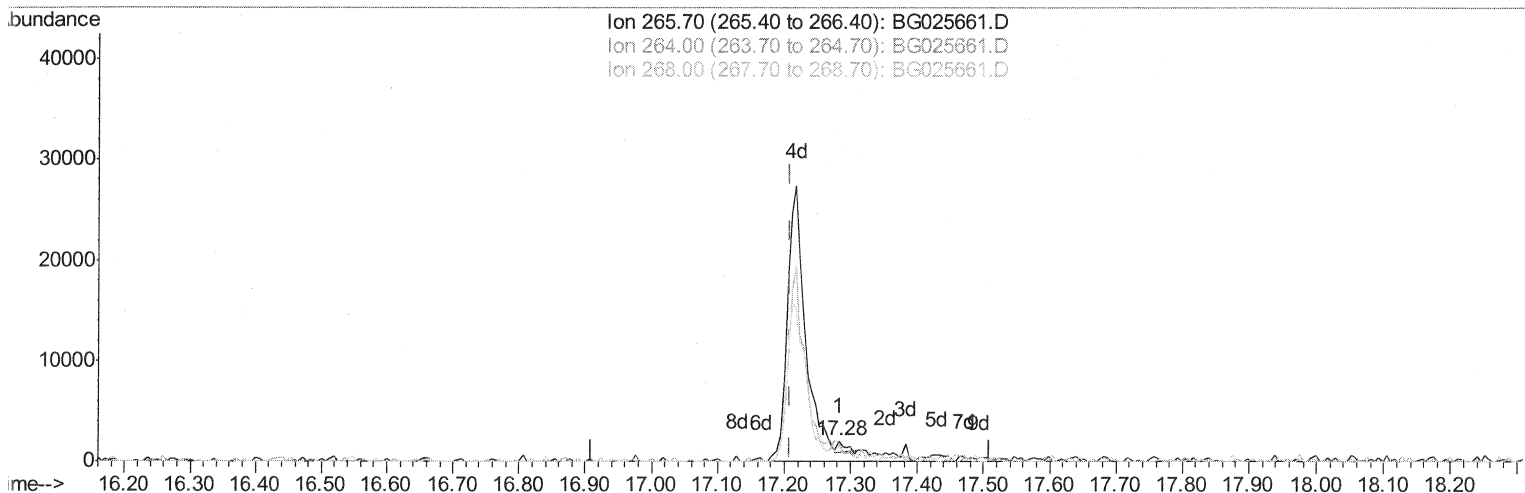
Instrument :
BNA_G
LabSampleId :
SSTD02020

Manual Integrations
APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:33:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 18:08:33 2017
Response via : Initial Calibration



TIC: BG025661.D

(68) Pentachlorophenol (C)

17.282min (+0.073) 0.26ng/ul

response 809

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	87.06#
268.00	70.30	80.15
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

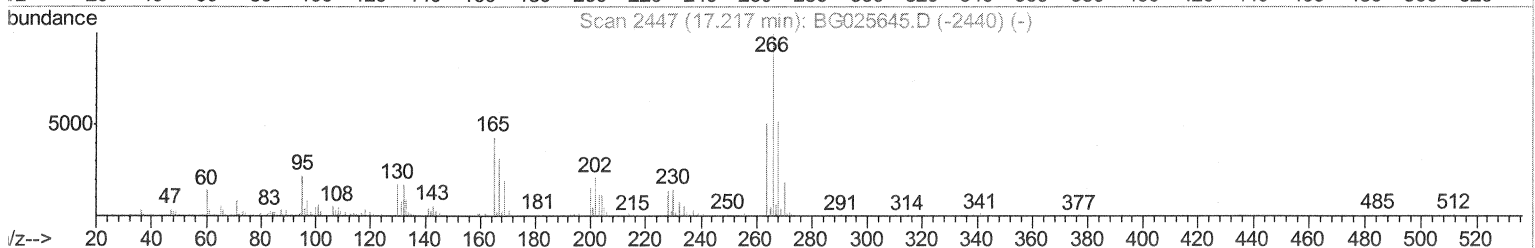
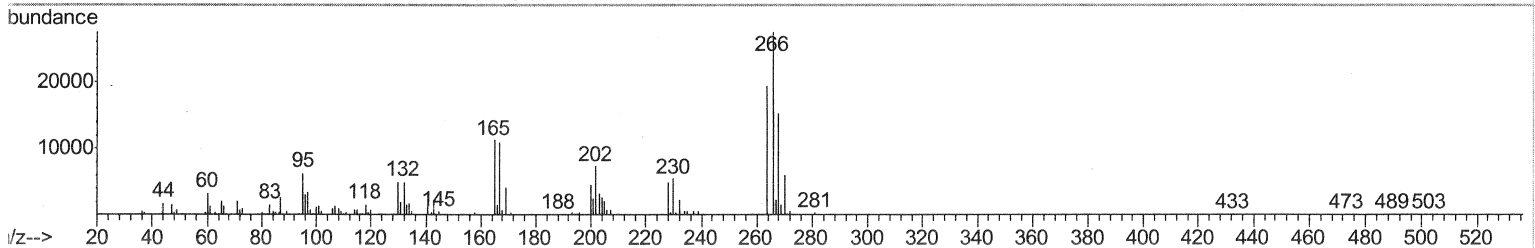
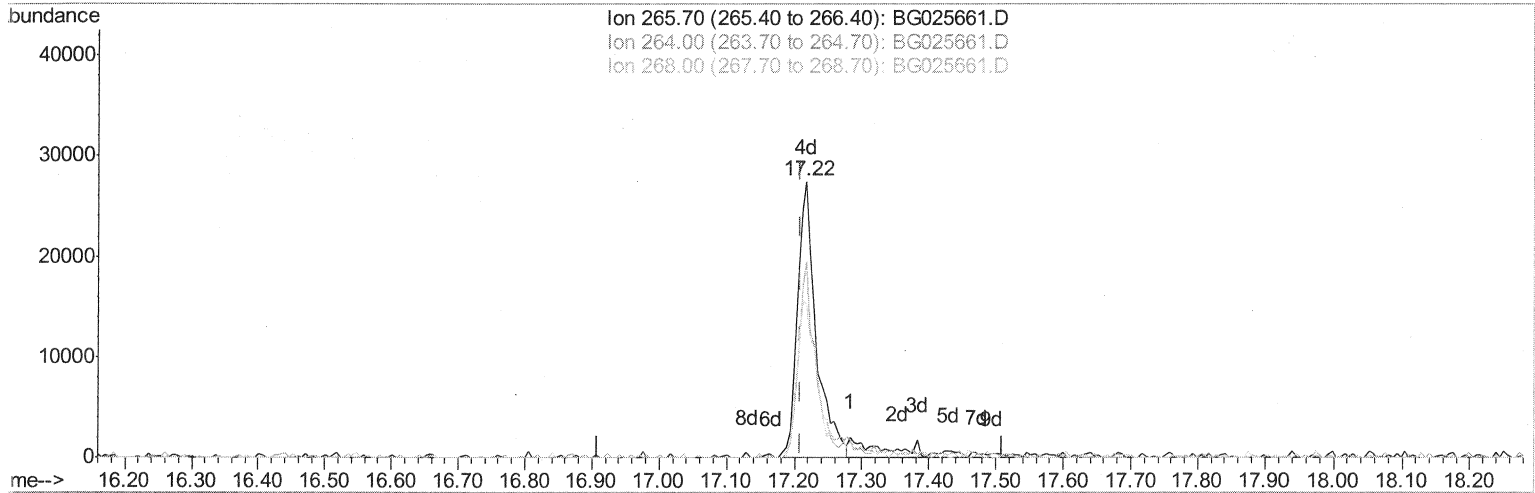
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:33:25 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration



TIC: BG025661.D

(68) Pentachlorophenol (C)

17.217min (+0.008) 17.06ng/ul m

SJ 1/27/17

response 53515

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	71.06#
268.00	70.30	55.59#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025661.D
Acq On : 26 Jan 2017 10:53
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

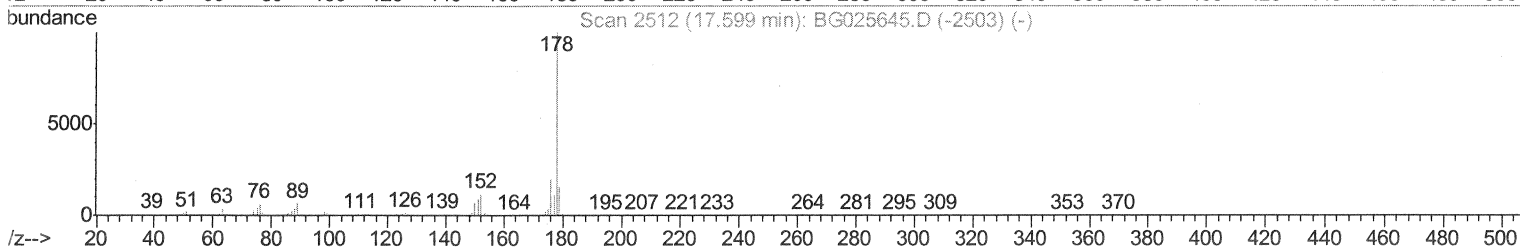
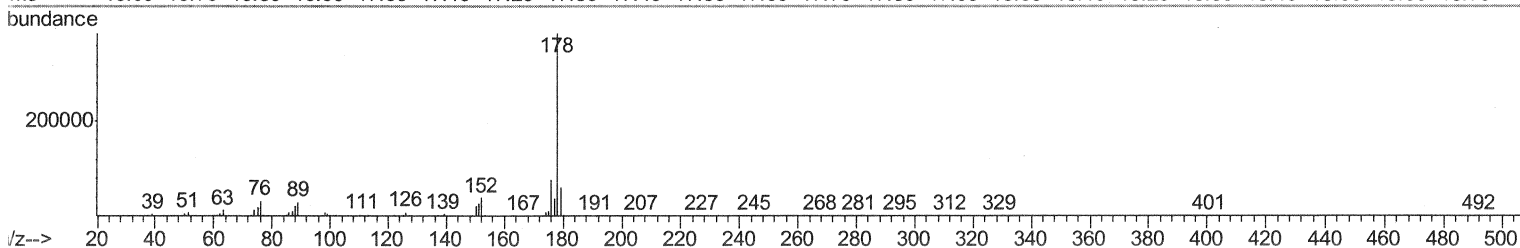
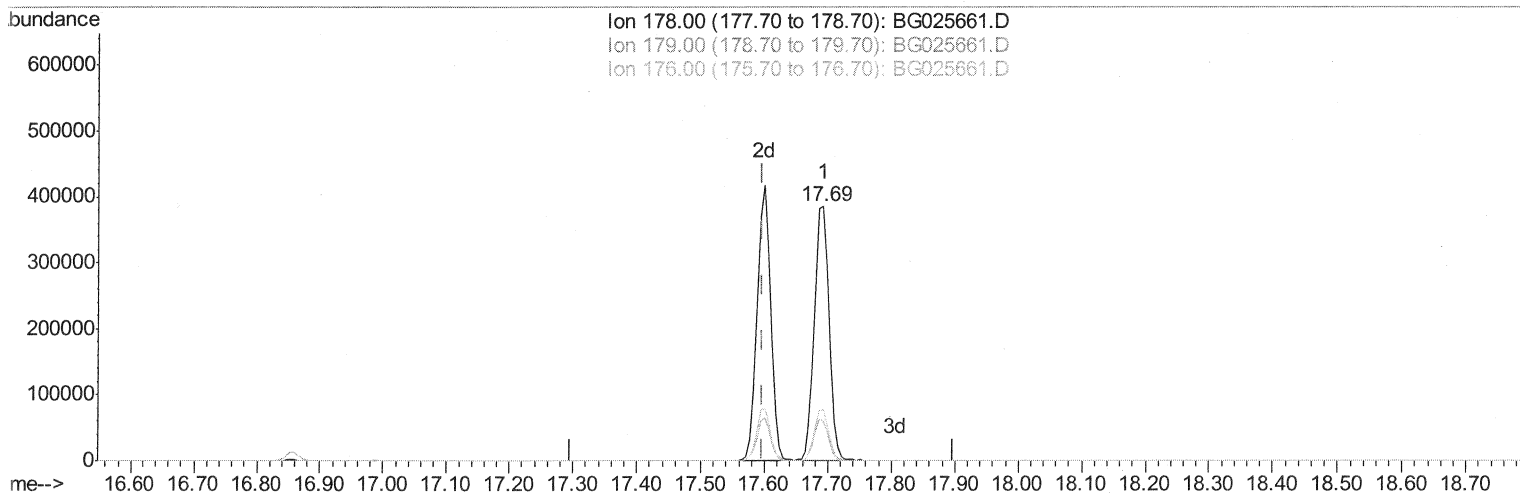
Instrument :
BNA_G
LabSampleId :
SSTD02020

Manual Integrations
APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:33:25 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 25 18:08:33 2017
Response via : Initial Calibration



TIC: BG025661.D

(69) Phenanthrene

17.693min (+0.096) 22.49ng/ul

response 625292

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.76
176.00	20.60	20.24
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

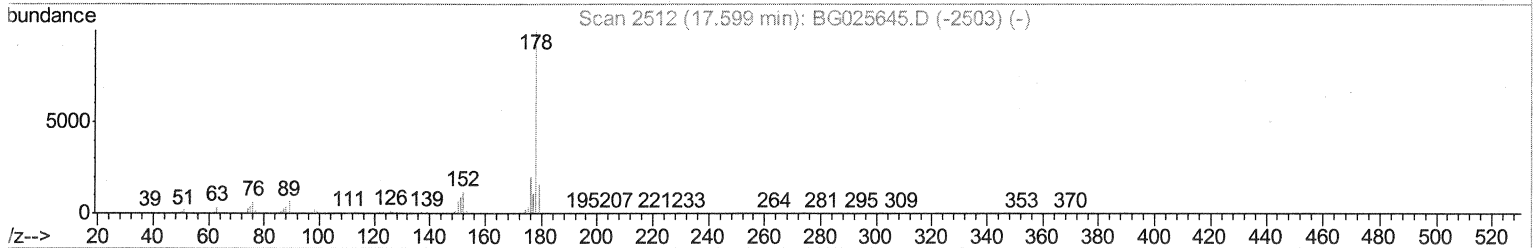
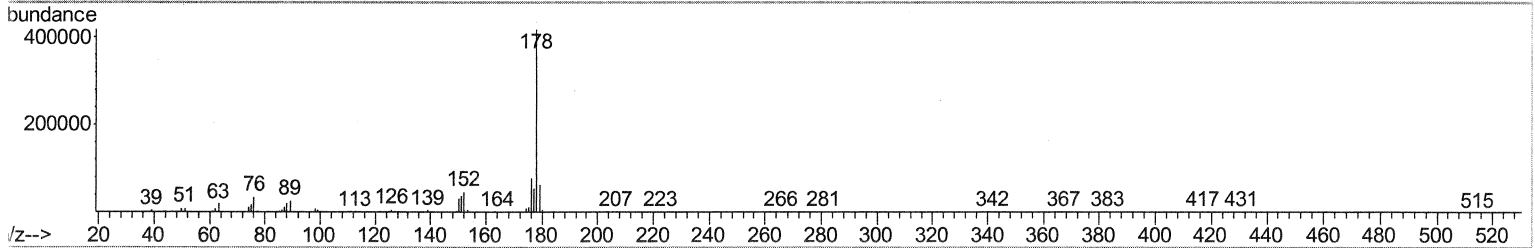
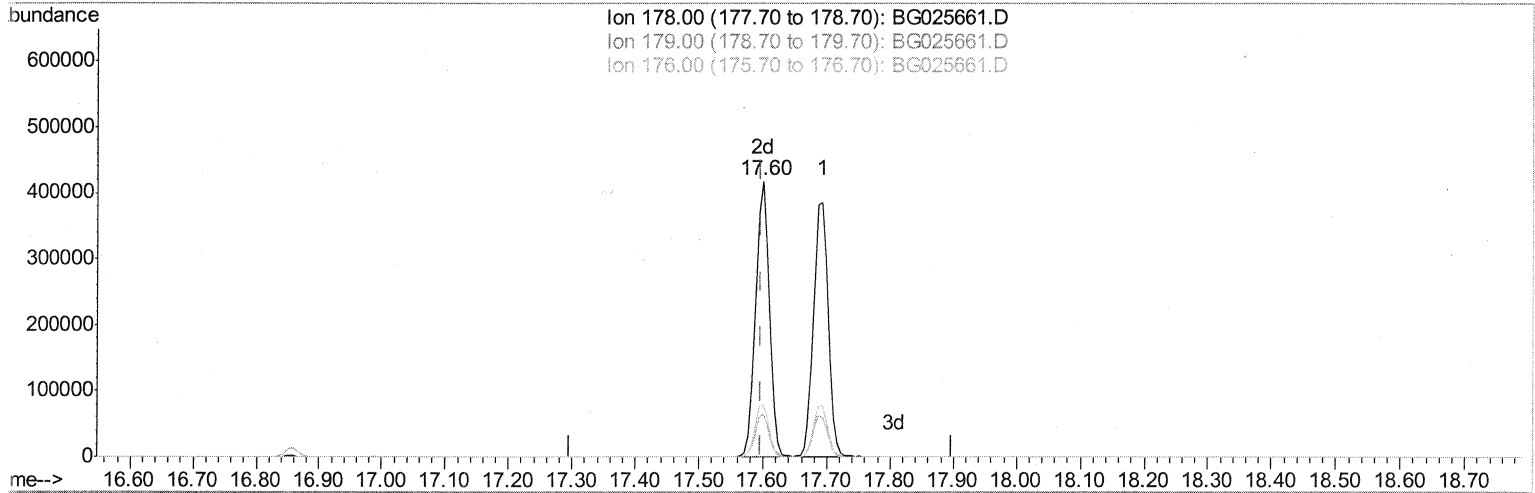
Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

Quant Time: Jan 27 03:33:25 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration

mohammad

1/27/2017 3:05:13 PM



TIC: BG025661.D

(69) Phenanthrene

17.599min (+0.002) 22.49ng/ul m

51 1/27/17

response 625231

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.30
176.00	20.60	18.79
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:34:09 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	71381	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	321042	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	266828	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	571894m	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	679996	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	692023	20.00	ng/ul	0.01

SJ 1/27/17

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	10055	7.05	ng/uL	0.00
5) Phenol-d5	7.34	99	131441	21.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	87965	22.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	94704	21.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	108441	20.85	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	48890	21.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	58127	21.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	113464	21.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	128643	21.48	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	380841	20.21	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	449287	22.07	ng/ul	0.00
51) 4-Nitrophenol-d4	15.04	143	47903	18.55	ng/ul	0.00
57) Fluorene-d10	15.80	176	360627	20.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.94	200	68949	19.55	ng/ul	0.00
70) Anthracene-d10	17.65	188	533361	21.90	ng/ul	0.00
76) Pyrene-d10	19.93	212	657742	23.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	641133	22.04	ng/ul	0.00

Target Compounds

					Qvalue	
2) 1,4-Dioxane	3.55	88	12896	7.65	ng/uL#	85
4) Benzaldehyde	7.32	77	106494	25.28	ng/ul	93
6) Phenol	7.36	94	140242	21.82	ng/ul	93
8) Bis(2-Chloroethyl)ether	7.59	93	106174	23.13	ng/ul	97
10) 2-Chlorophenol	7.74	128	95720	22.40	ng/ul	94
11) 2-Methylphenol	8.63	108	101146	21.13	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.70	45	206075	23.63	ng/ul	98
14) Acetophenone	9.01	105	168859	20.79	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.98	70	106264	21.86	ng/ul#	89
16) 4-Methylphenol	8.96	108	113675	21.66	ng/ul	92
17) Hexachloroethane	9.26	117	46833	23.53	ng/ul	93
20) Nitrobenzene	9.40	77	158324	21.73	ng/ul#	91
21) Isophorone	9.92	82	283538	20.72	ng/ul	96
23) 2-Nitrophenol	10.12	139	63024	22.72	ng/ul	89
24) 2,4-Dimethylphenol	10.17	107	143345	21.44	ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.40	93	151331	21.92	ng/ul	99
27) 2,4-Dichlorophenol	10.67	162	113583m	21.83	ng/ul	
28) Naphthalene	11.05	128	318861	21.51	ng/ul	96
30) 4-Chloroaniline	11.18	127	131374	21.78	ng/ul	91
31) Hexachlorobutadiene	11.31	225	95053	20.91	ng/ul	96
32) Caprolactam	11.94	113	43029	19.68	ng/ul	87
33) 4-Chloro-3-methylphenol	12.29	107	138177	21.87	ng/ul	93
34) 2-Methylnaphthalene	12.65	142	253183	20.92	ng/ul	91

SJ 1/27/17

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025661.D
 Acq On : 26 Jan 2017 10:53
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02020

Manual Integrations
 APPROVED

mohammad

1/27/2017 3:05:13 PM

Quant Time: Jan 27 03:34:09 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.01	216	175064	21.79	ng/ul	96
37) Hexachlorocyclopentadiene	12.97	237	66222	20.88	ng/ul#	86
38) 2,4,6-Trichlorophenol	13.26	196	99911m>	20.54	ng/ul	93
39) 2,4,5-Trichlorophenol	13.35	196	112255	22.01	ng/ul	93
40) 1,1'-Biphenyl	13.64	154	356483	21.56	ng/ul	99
41) 2-Chloronaphthalene	13.69	162	279377	21.77	ng/ul	97
42) 2-Nitroaniline	13.92	65	116212	20.89	ng/ul	94
44) Dimethylphthalate	14.25	163	364383	19.67	ng/ul#	97
45) 2,6-Dinitrotoluene	14.40	165	77925	20.43	ng/ul	94
47) Acenaphthylene	14.54	152	427388	21.57	ng/ul	97
48) 3-Nitroaniline	14.73	138	76327	22.12	ng/ul#	97
49) Acenaphthene	14.87	153	299115	21.19	ng/ul	96
50) 2,4-Dinitrophenol	14.97	184	48344	21.56	ng/ul#	77
52) 4-Nitrophenol	15.06	109	59523	16.64	ng/ul	89
53) Dibenzofuran	15.21	168	445654	20.54	ng/ul	98
54) 2,4-Dinitrotoluene	15.20	165	121944	20.96	ng/ul#	85
55) 2,3,4,6-Tetrachlorophenol	15.44	232	106474	19.73	ng/ul#	95
56) Diethylphthalate	15.60	149	395817	19.76	ng/ul	98
58) Fluorene	15.85	166	368937	20.82	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.83	204	195129	19.52	ng/ul	95
60) 4-Nitroaniline	15.90	138	71674	21.46	ng/ul	94
63) 4,6-Dinitro-2-methylphenol	15.96	198	72553m>	19.95	ng/ul	87
64) N-Nitrosodiphenylamine	16.05	169	348226	23.62	ng/ul	87
65) 4-Bromophenyl-phenylether	16.73	248	147211	22.18	ng/ul	98
66) Hexachlorobenzene	16.85	284	160879	21.33	ng/ul	94
67) Atrazine	16.99	200	146095	21.09	ng/ul	98
68) Pentachlorophenol	17.22	266	53515m}	17.06	ng/ul	100
69) Phenanthrene	17.60	178	625231m}	22.49	ng/ul	99
71) Anthracene	17.69	178	625292	22.38	ng/ul	99
72) Carbazole	17.96	167	545250	23.52	ng/ul	98
73) Di-n-butylphthalate	18.47	149	694823	23.19	ng/ul	98
74) Fluoranthene	19.60	202	758158	23.11	ng/ul	98
77) Pyrene	19.96	202	774075	23.15	ng/ul	99
78) Butylbenzylphthalate	20.81	149	308938	23.76	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.73	252	309539	24.81	ng/ul	96
80) Benzo(a)anthracene	21.83	228	814959	22.68	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.67	149	438561	24.16	ng/ul	97
82) Chrysene	21.89	228	755912	22.37	ng/ul	99
84) Di-n-octyl phthalate	22.92	149	739029	24.88	ng/ul	100
85) Benzo(b)fluoranthene	24.15	252	789483	22.04	ng/ul	98
86) Benzo(k)fluoranthene	24.22	252	755381	22.48	ng/ul	95
88) Benzo(a)pyrene	25.08	252	762917	22.52	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.16	276	913423	21.29	ng/ul#	95
90) Dibenzo(a,h)anthracene	29.19	278	785553	21.98	ng/ul	95
91) Benzo(g,h,i)perylene	30.38	276	762353	21.64	ng/ul#	95

SJ 1/27/17

SJ 1/27/17

SJ 1/27/17

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