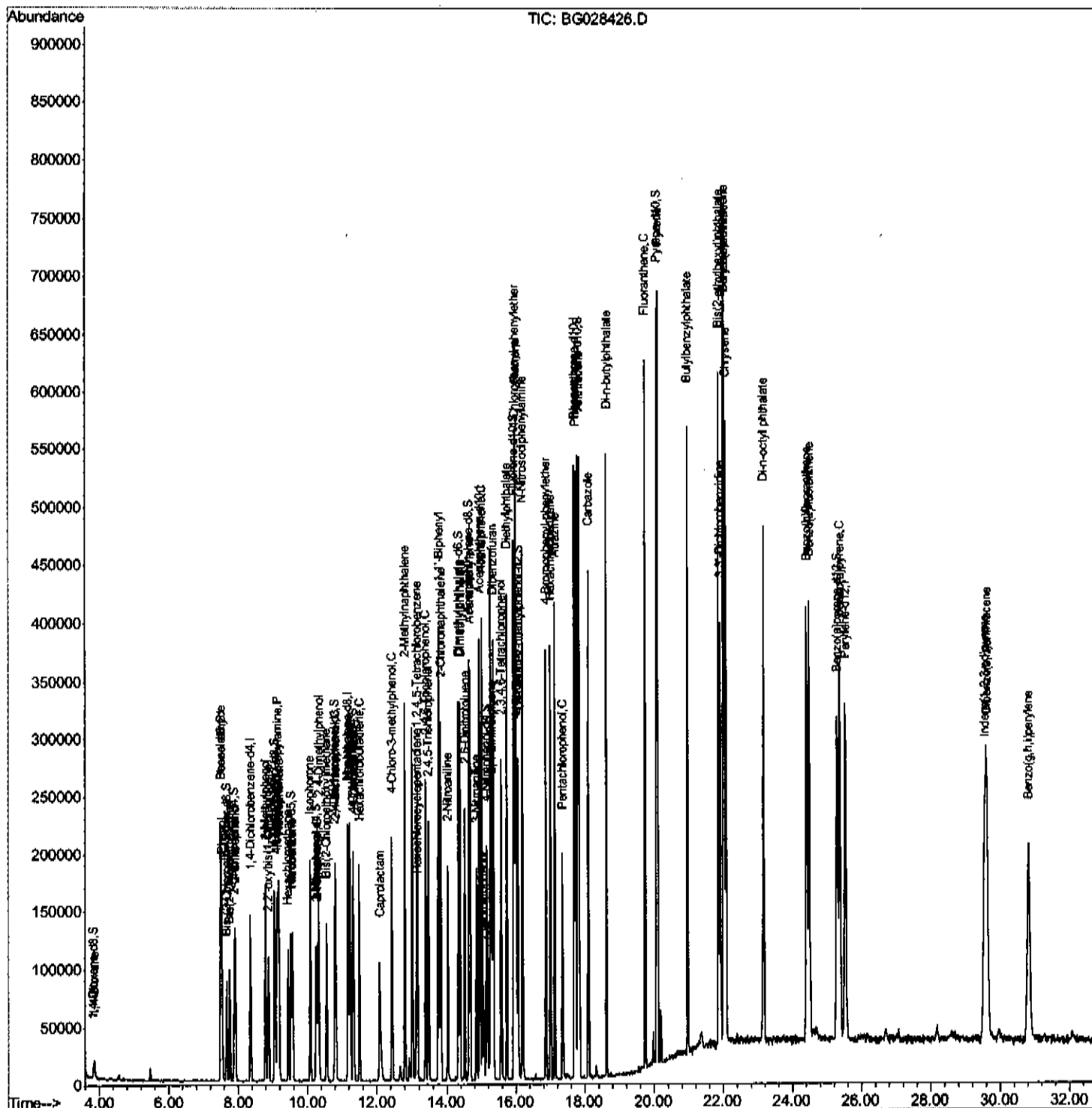


(QT Reviewed)

Instrument :
BNA_G
LabSampleId :
SSTD02079

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:56:25 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



Quantitation Report (Qedit)

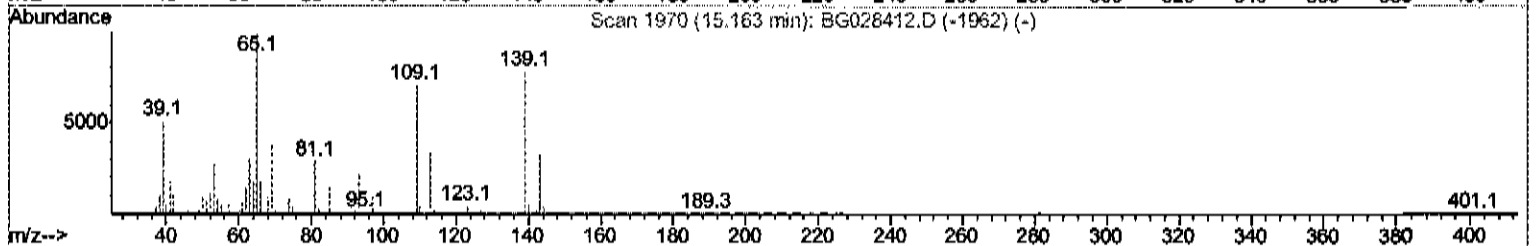
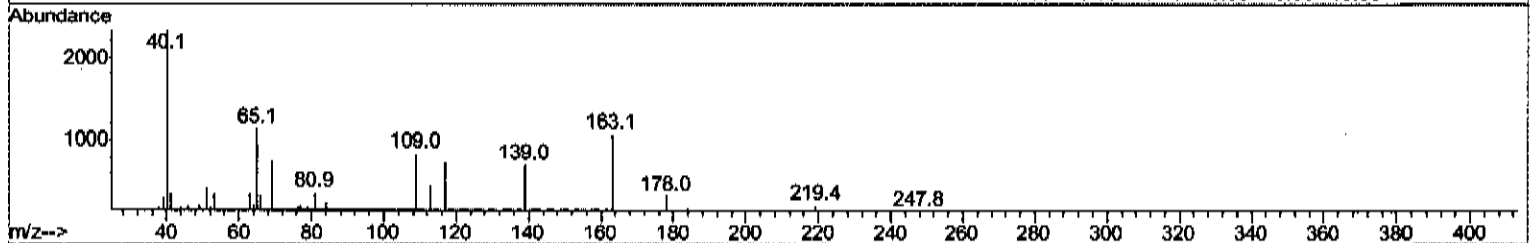
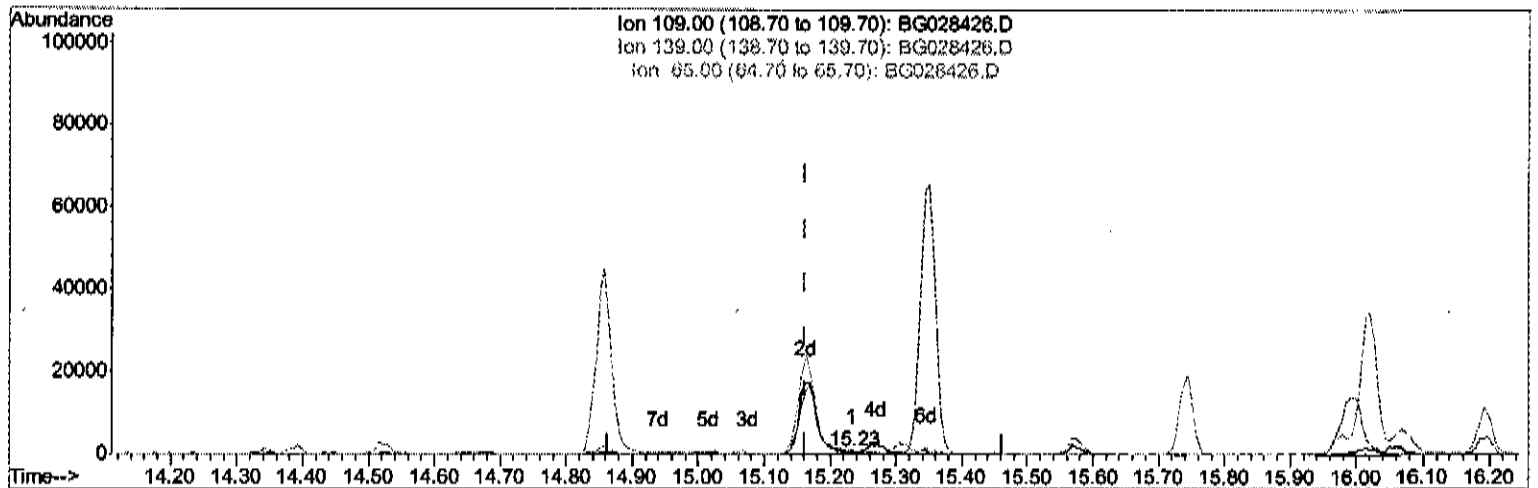
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 03:49:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration



TIC: BG028426.D

(52) 4-Nitrophenol

15.233min (+0.070) 0.33ng/ul

response 671

Ion	Exp%	Act%
109.00	100	100
139.00	78.20	84.44
65.00	113.00	134.80
0.00	0.00	0.00

Quantitation Report (Qedit)

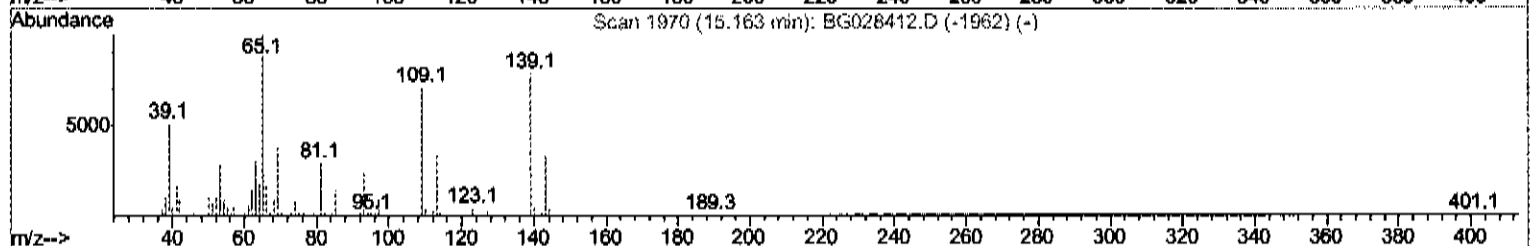
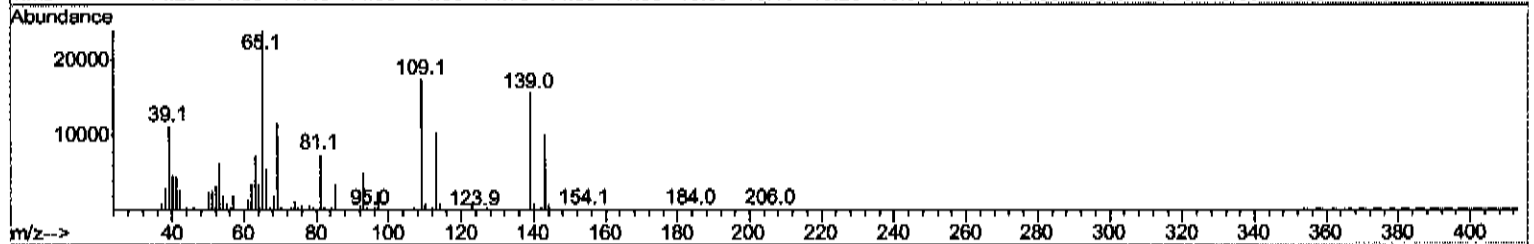
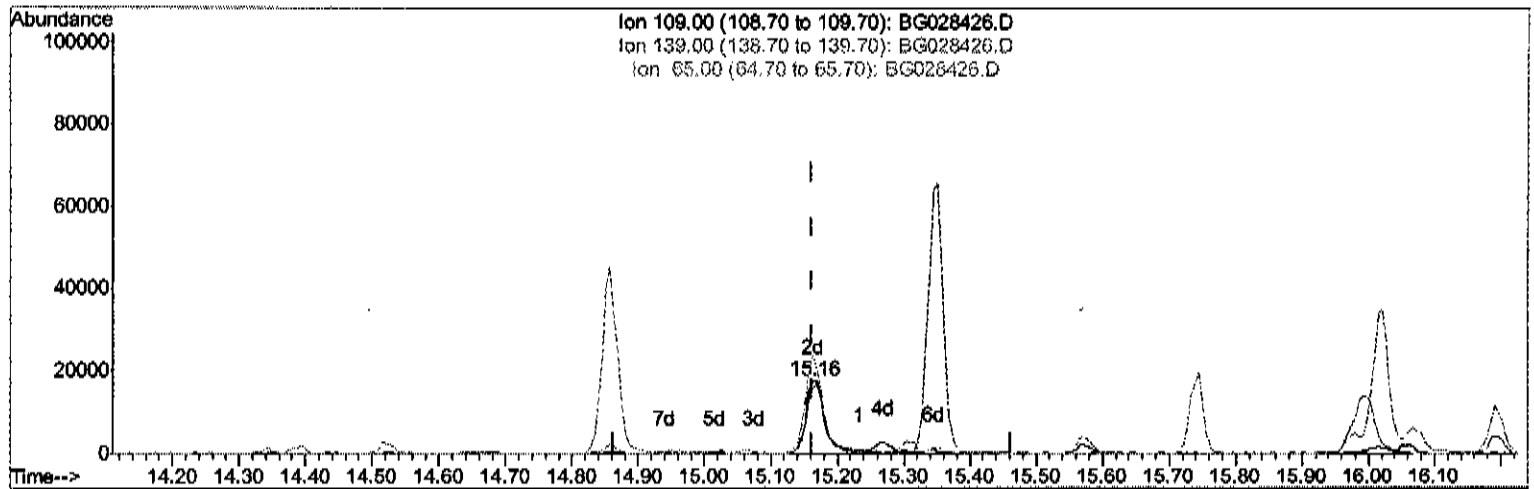
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 03:49:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration



TIC: BG028426.D

(52) 4-Nitrophenol

15.163min (-0.000) 16.65ng/ul m

response 33438

Ion	Exp%	Act%
109.00	100	100
139.00	78.20	90.02
65.00	113.00	137.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

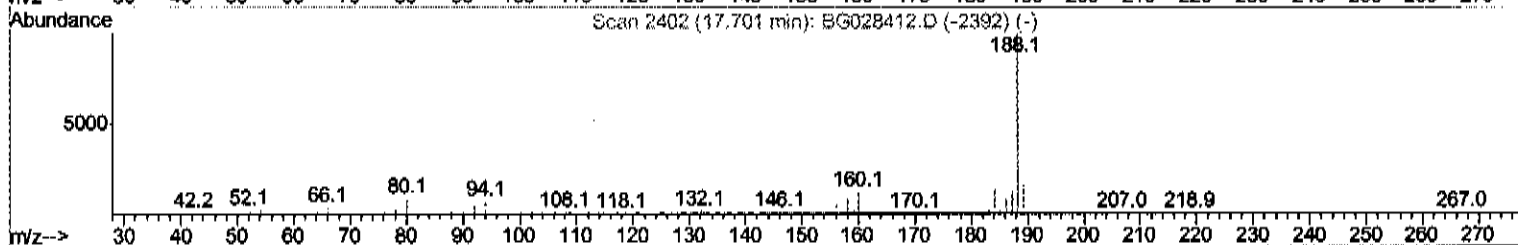
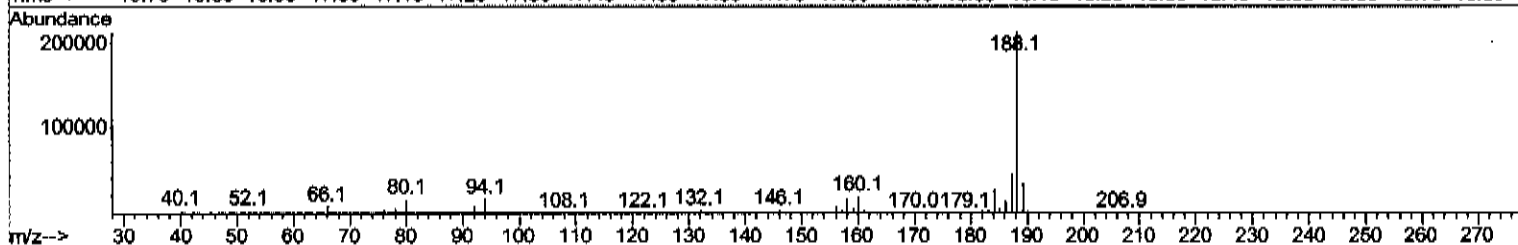
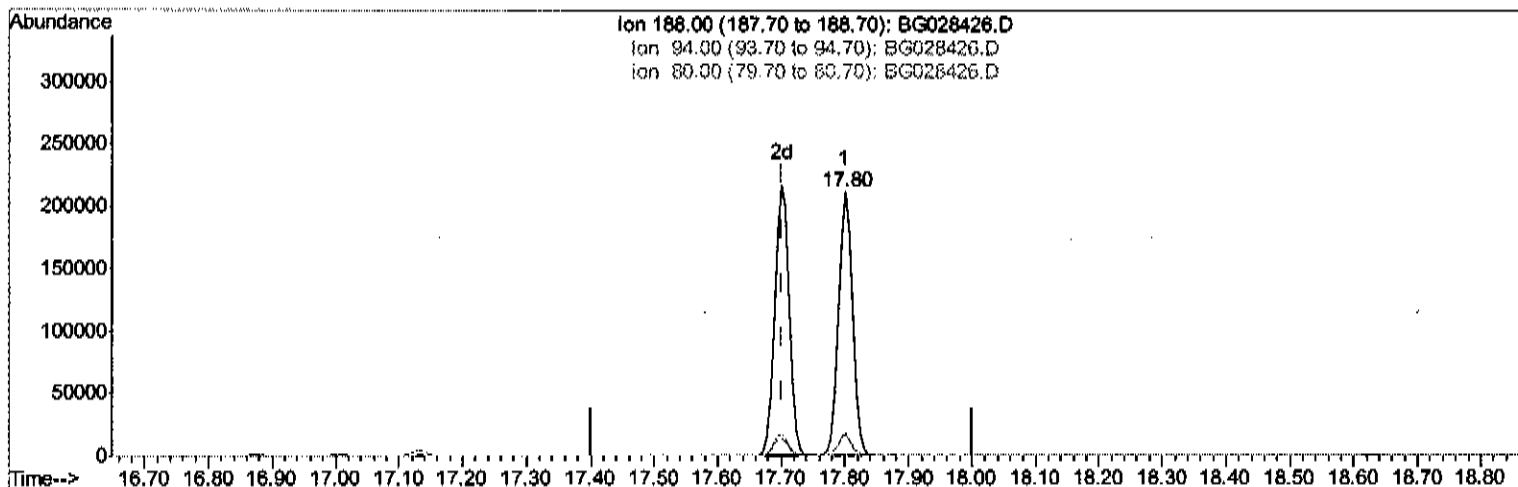
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 03:49:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.801min (+0.099) 20.00ng/ul

response 323703

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.18
80.00	9.50	7.89
0.00	0.00	0.00

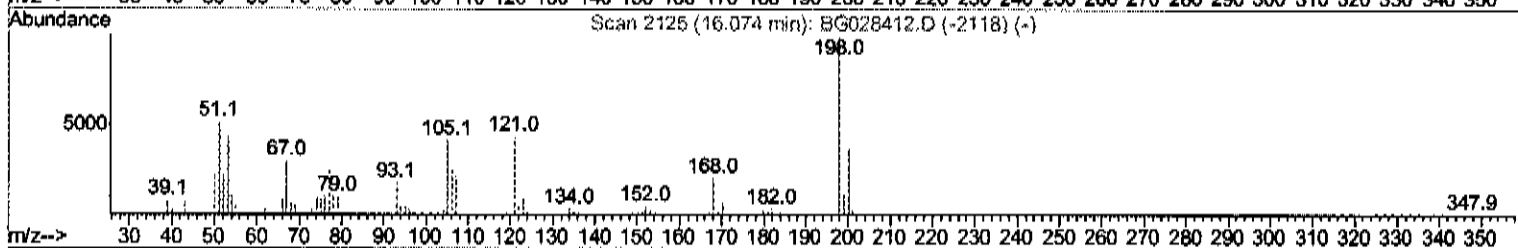
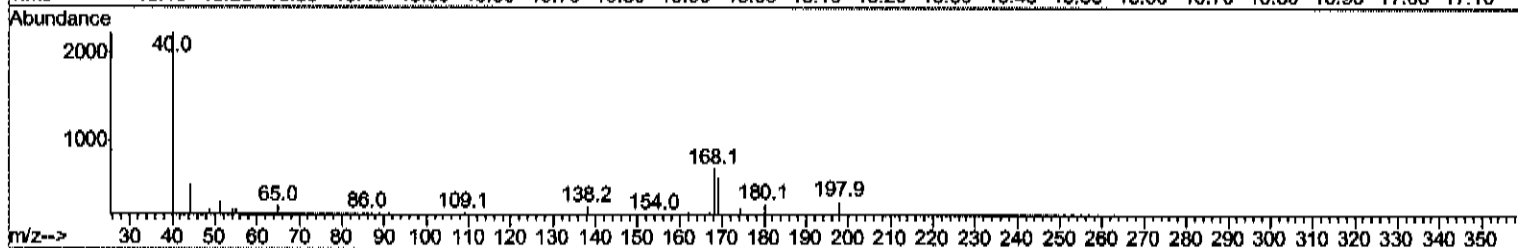
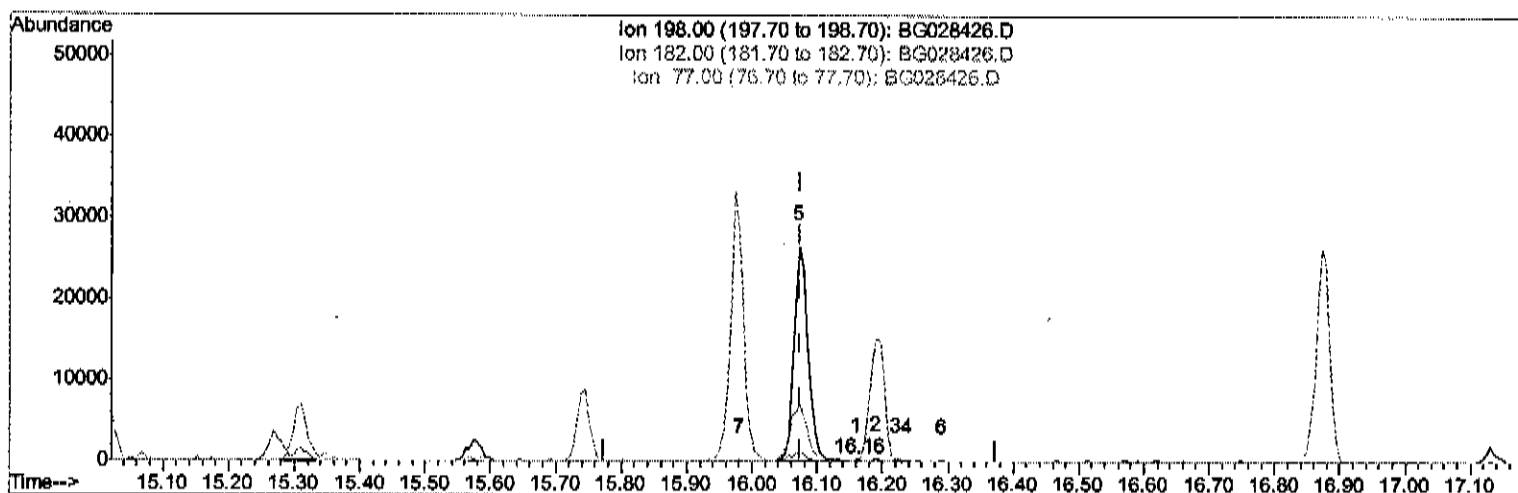
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028426.D
Acq On : 22 Aug 2017 19:58
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampled :
SSTD02079

Manual Integrations
APPROVED

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



TIC: BG028426.D

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

16.161min (+0.088) 0.05ng/ul

response 111

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

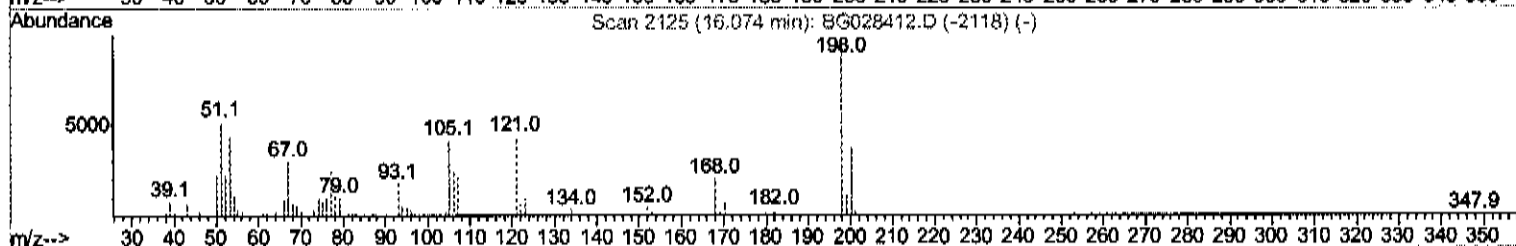
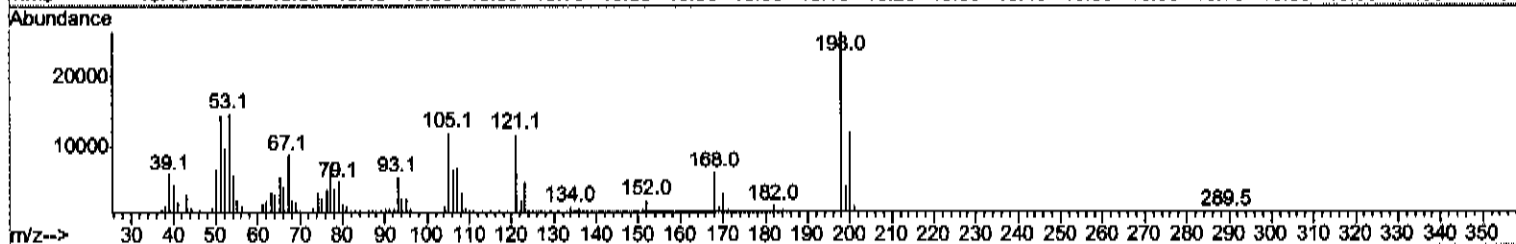
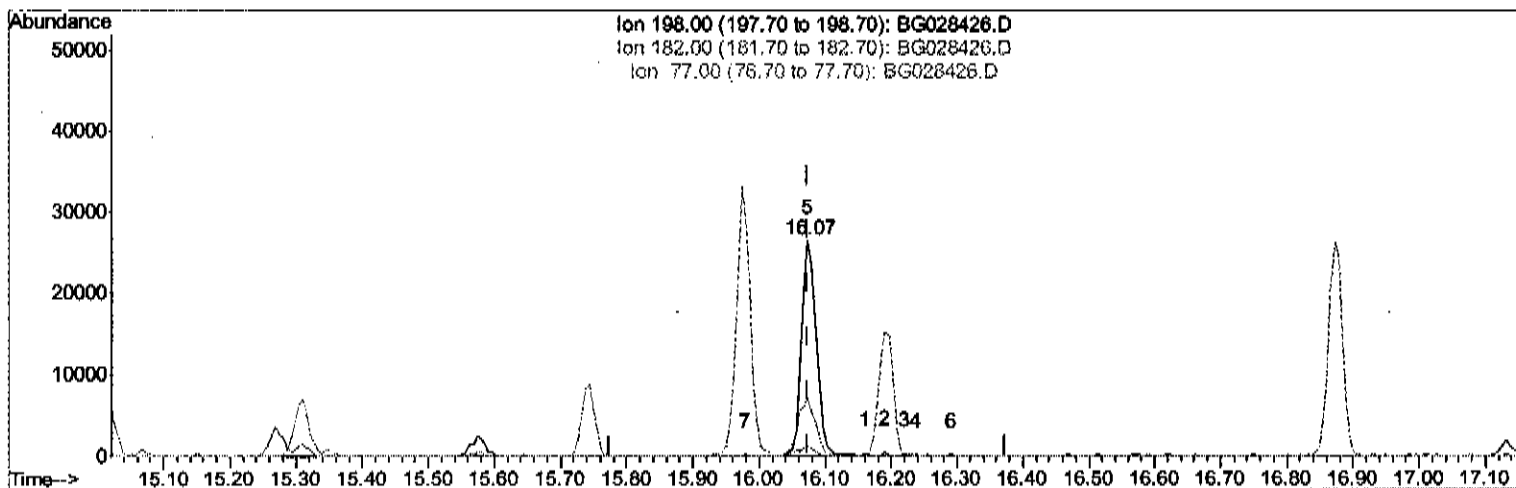
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028426.D
Acq On : 22 Aug 2017 19:58
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampled :
SSTD02079

Manual Integrations
APPROVED

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



TIC: BG028426.D

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

16.073min (-0.000) 18.23ng/ul m

response 41069

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	4.64#
77.00	28.00	26.62
0.00	0.00	0.00

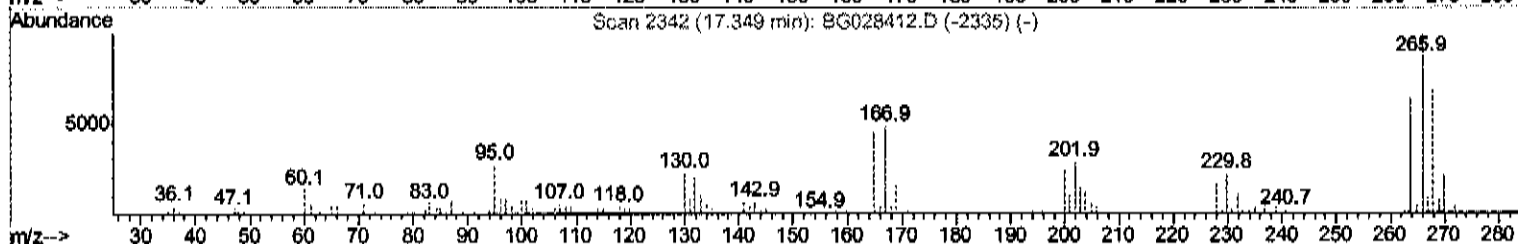
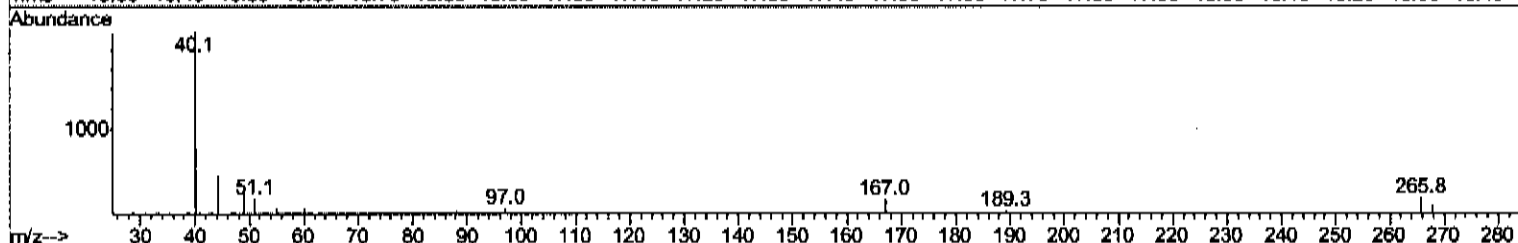
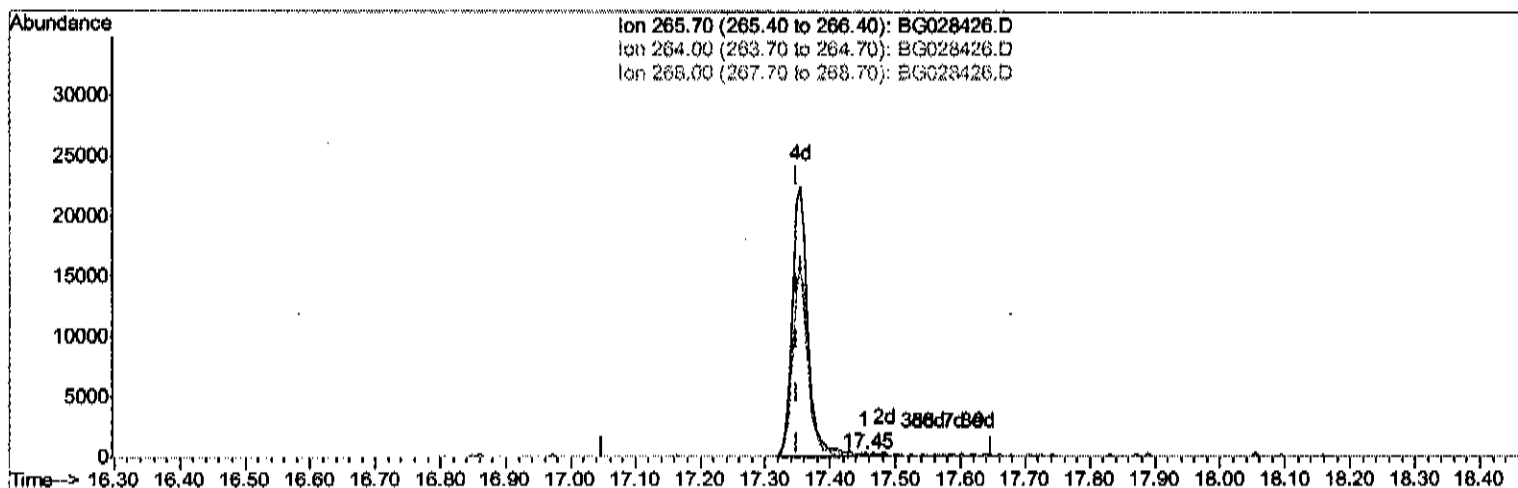
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028426.D
Acq On : 22 Aug 2017 19:58
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02079

Manual Integrations
APPROVED

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



TIC: BG028426.D

(68) Pentachlorophenol (C)

17.454min (+0.105) 0.05ng/ul

response 104

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	50.85
268.00	70.30	76.27
0.00	0.00	0.00

Quantitation Report (Qedit)

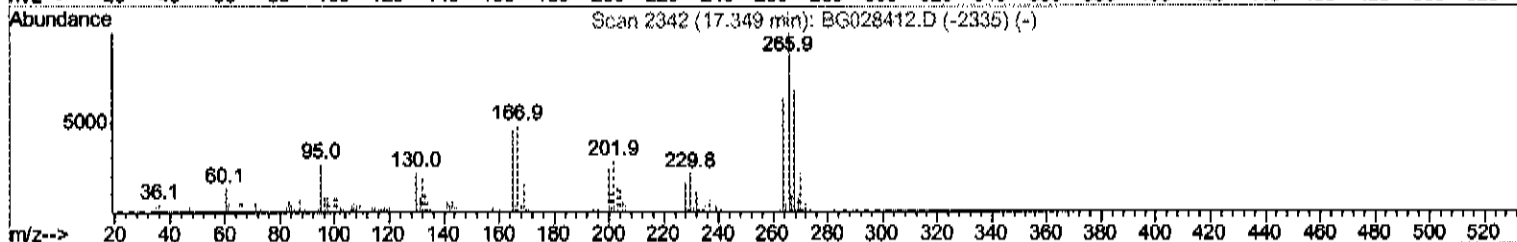
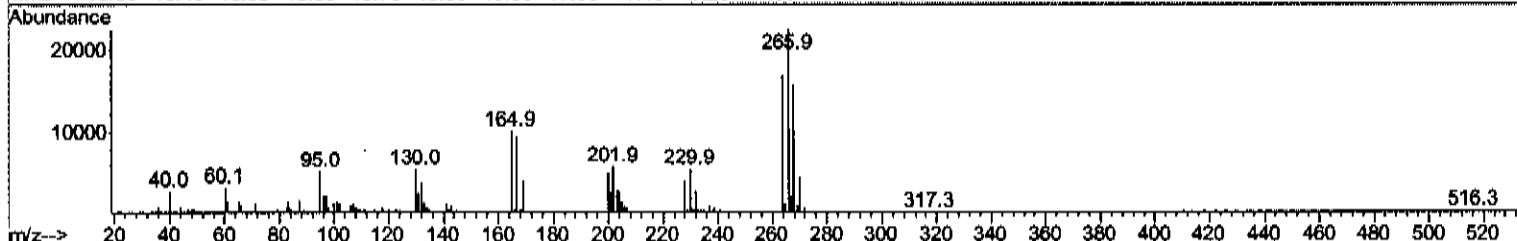
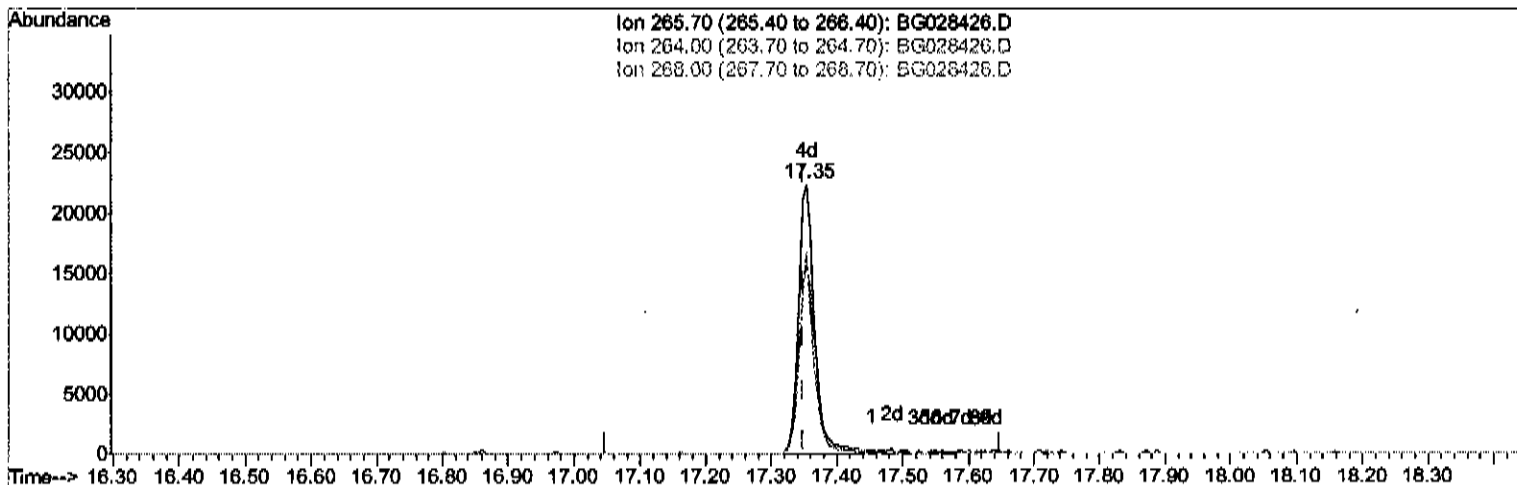
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampled :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration



TIC: BG028426.D

(68) Pentachlorophenol (C)

17.354min (+0.005) 19.35ng/ul m

response 38356

Ion	Exp%	Act%
265.70	100	100
264.00	58.90	74.56#
268.00	70.30	69.92
0.00	0.00	0.00

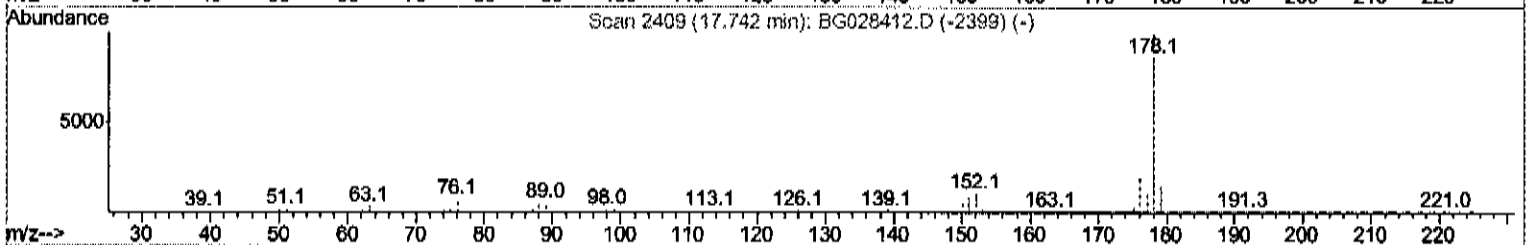
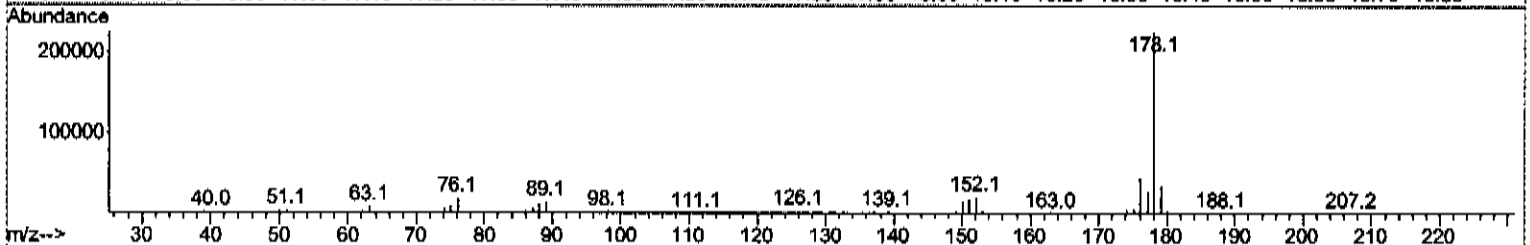
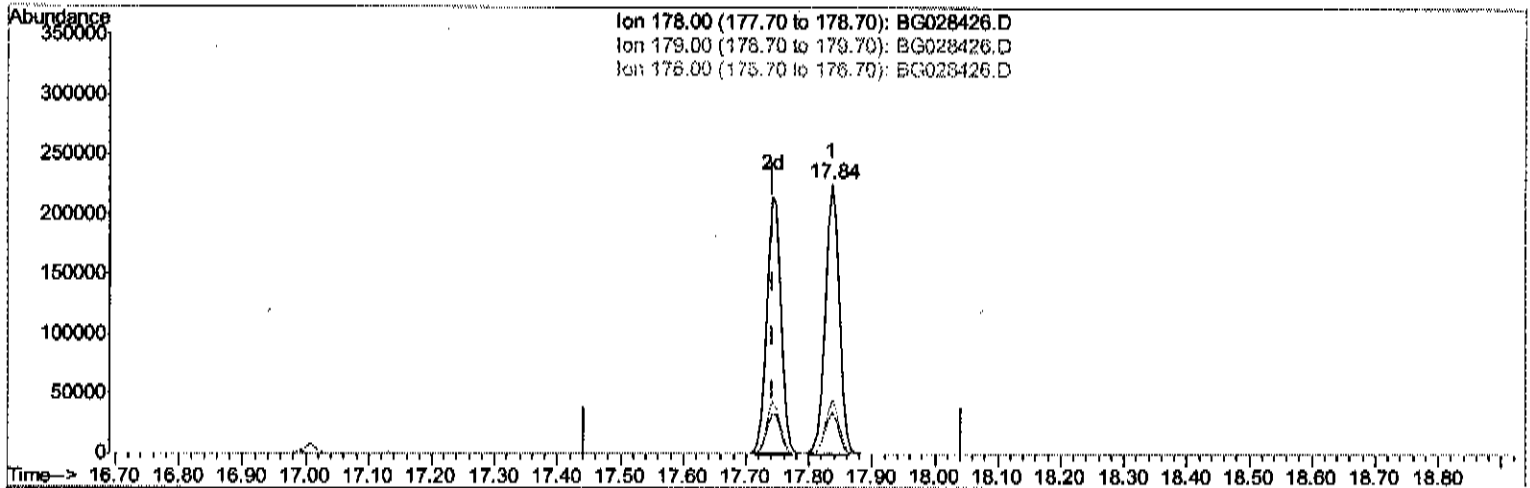
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028426.D
Acq On : 22 Aug 2017 19:58
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02079

Manual Integrations
APPROVED

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



TIC: BG028426.D

(69) Phenanthrene

17.836min (+0.094) 20.45ng/ul

response 352109

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.61
176.00	20.60	19.88
0.00	0.00	0.00

Quantitation Report (Qedit)

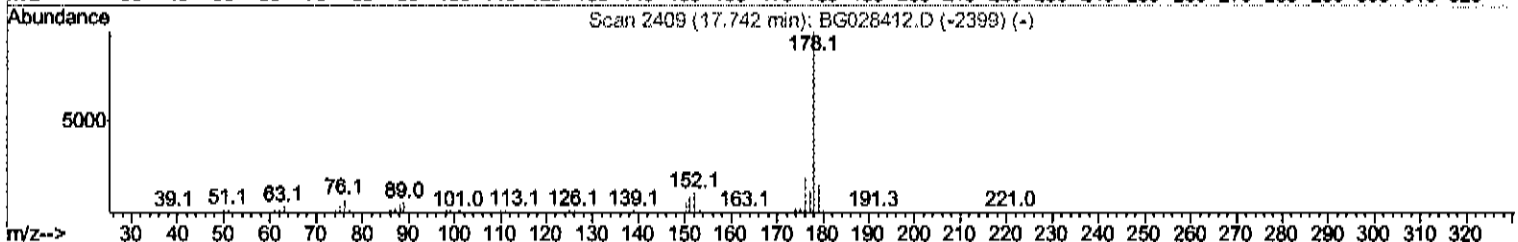
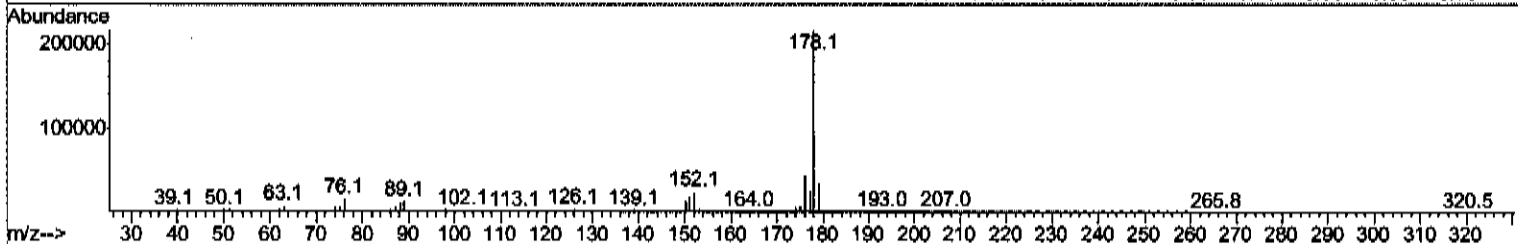
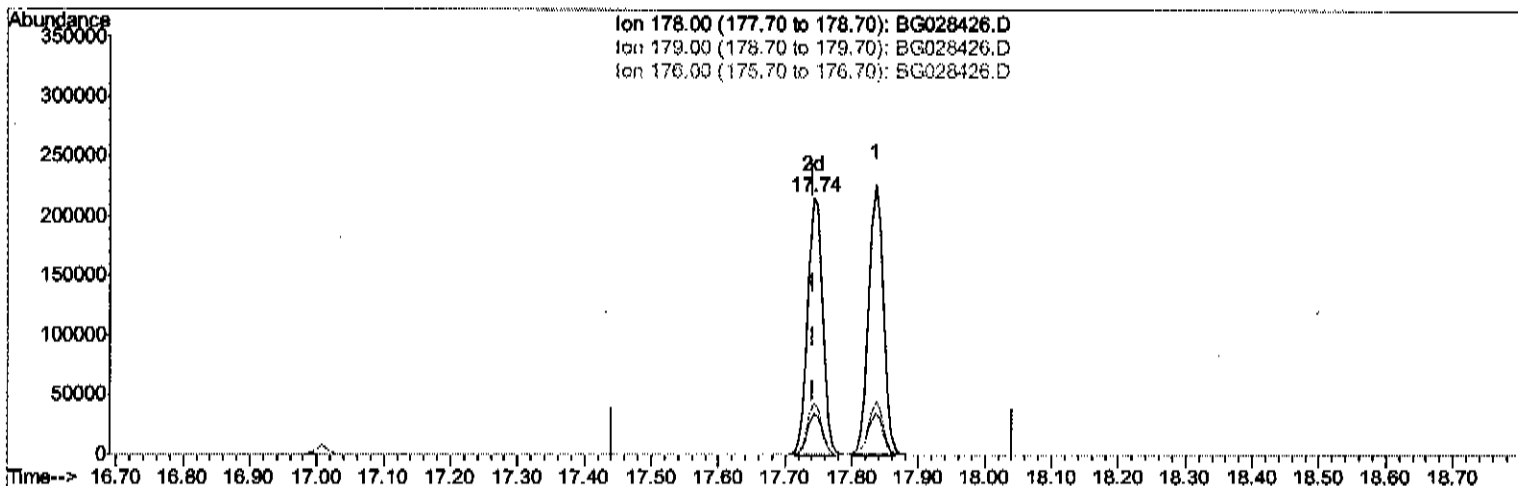
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration



TIC: BG028426.D

(69) Phenanthrene

17.742min (-0.000) 19.66ng/ul m

response 338520

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	15.71
176.00	20.60	20.38
0.00	0.00	0.00

Quantitation Report (Qedit)

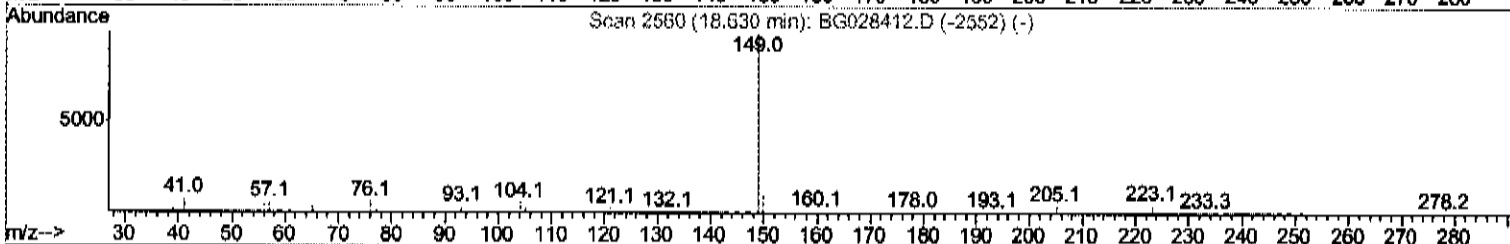
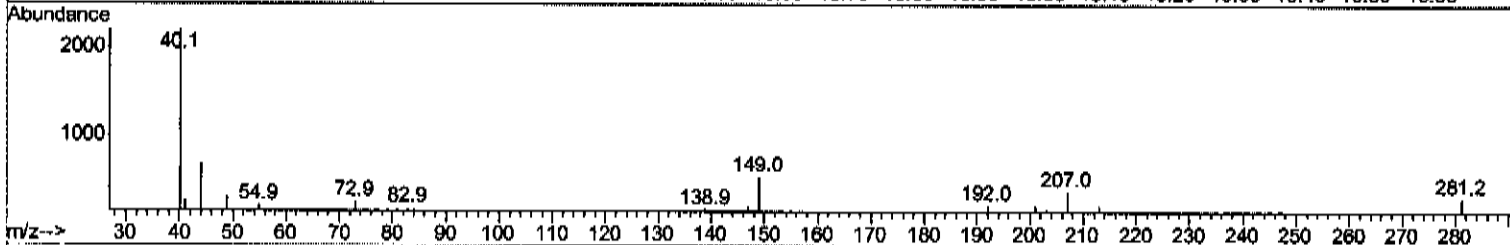
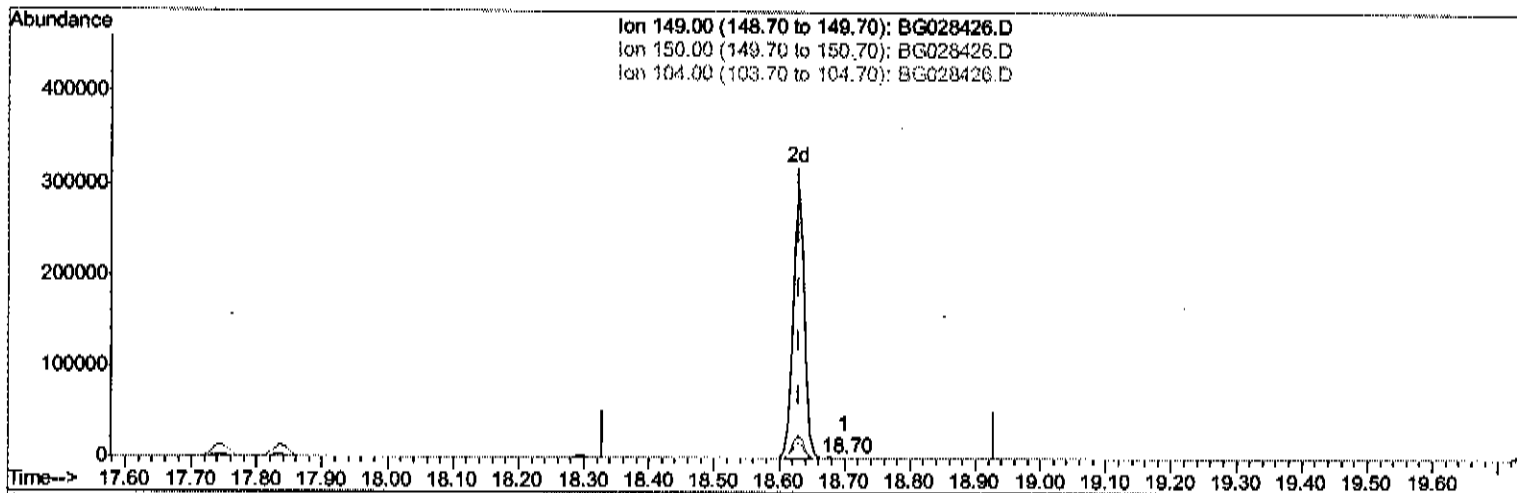
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration



TIC: BG028426.D

(73) Di-n-butylphthalate

18.700min (+0.070) 0.03ng/ul

response 622

Ion	Exp%	Act%
149.00	100	100
150.00	9.90	33.21#
104.00	7.30	0.00#
0.00	0.00	0.00

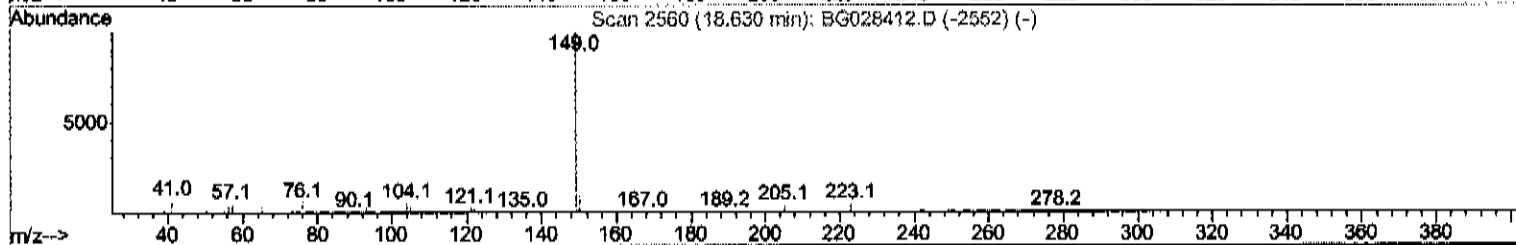
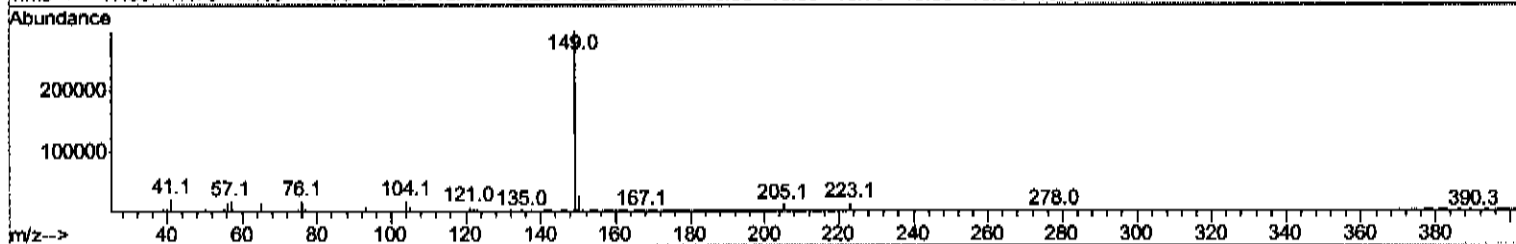
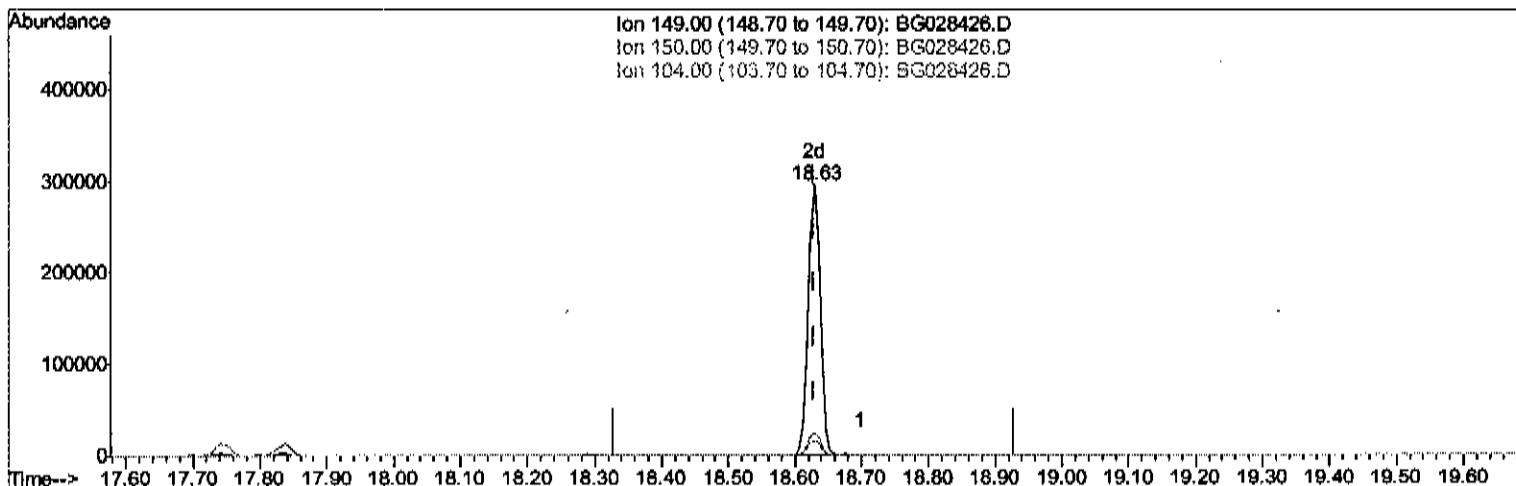
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028426.D
Acq On : 22 Aug 2017 19:58
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02079

Manual Integrations
APPROVED

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:54:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
OLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



TIC: BG028426.D

(73) Di-n-butylphthalate

18.629min (-0.000) 19.28ng/ul m

response 367168

Ion	Exp%	Act%
149.00	100	100
150.00	9.90	8.38
104.00	7.30	5.63#
0.00	0.00	0.00

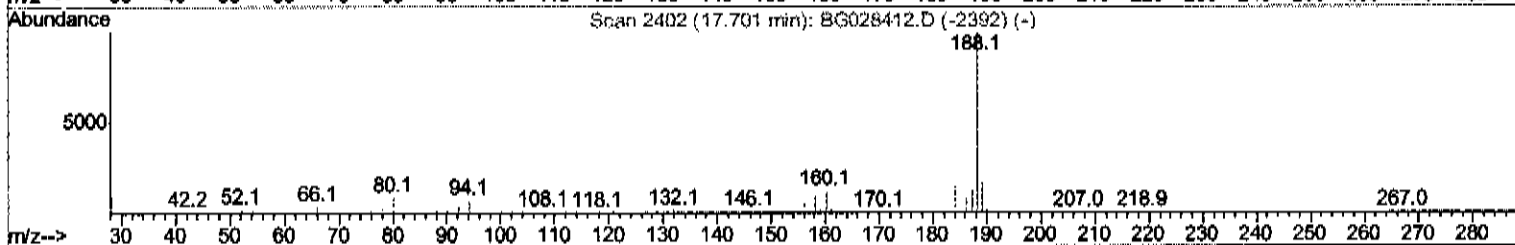
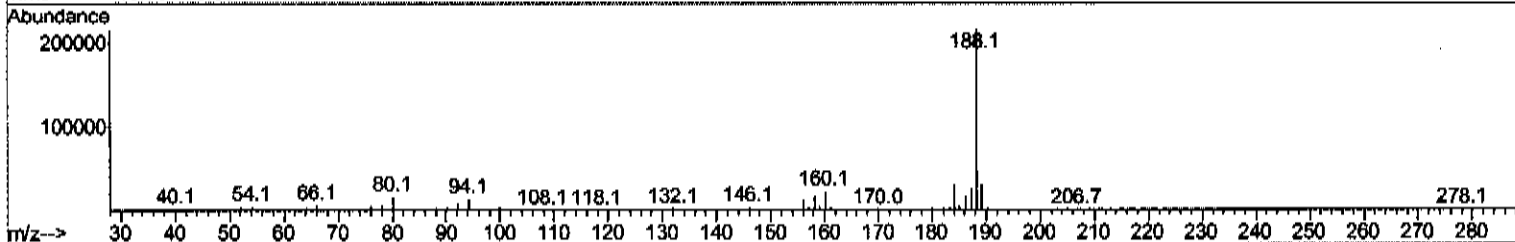
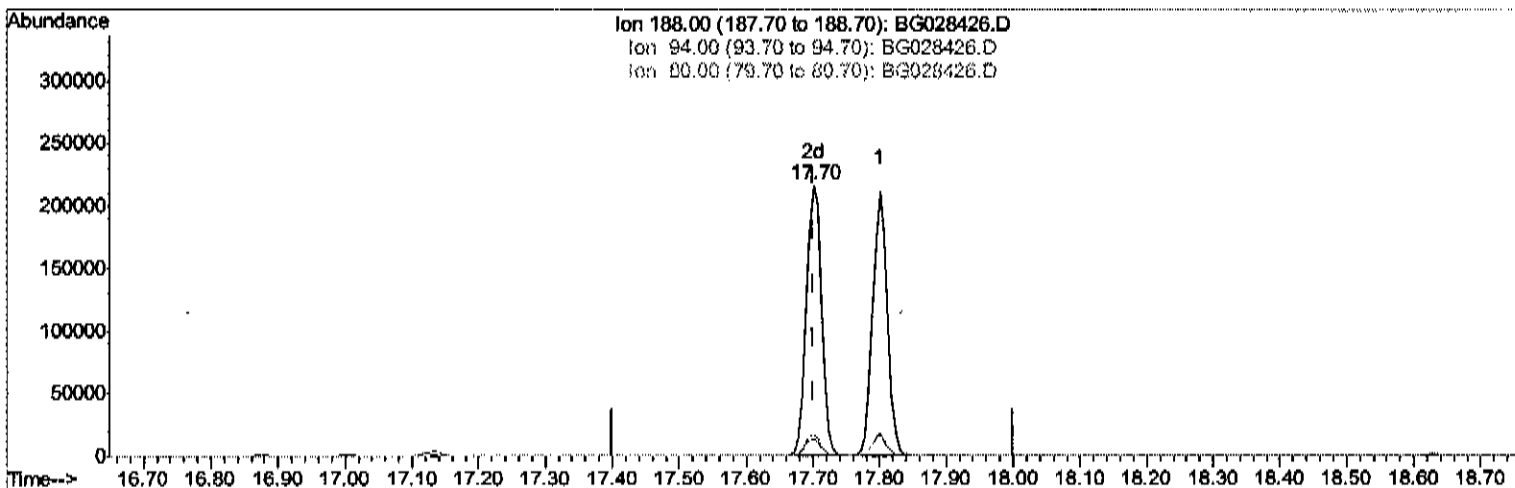
Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
Data File : BG028426.D
Acq On : 22 Aug 2017 19:58
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02079

Manual Integrations
APPROVED

Sohil
8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:56:25 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 23 02:58:29 2017
Response via : Initial Calibration



TIC: BG028426.D

(61) Phenanthrene-d10 (I)

17.701min (-0.000) 20.00ng/ul m

response 342071

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.40#
80.00	9.50	7.90
0.00	0.00	0.00

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampled :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:56:25 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	40886	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	182807	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	137047	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	342071m	20.00	ng/ul	0.00
75) Chrysene-d12	22.03	240	383687	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	369621	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.82	96	5995	6.83	ng/uL	0.00
5) Phenol-d5	7.50	99	78392	17.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	45662	16.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	52755	18.62	ng/ul	0.00
13) 4-Methylphenol-d8	9.04	113	64432	17.17	ng/ul	0.00
19) Nitrobenzene-d5	9.51	128	27893	19.51	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	34986	22.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.78	165	68385	21.09	ng/ul	0.00
29) 4-Chloroaniline-d4	11.30	131	78980	21.88	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	228256	18.73	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	274941	20.01	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	33382	17.22	ng/ul	0.00
57) Fluorene-d10	15.94	176	212372	19.42	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	42406	19.08	ng/ul	0.00
70) Anthracene-d10	17.80	188	323703	19.73	ng/ul	0.00
76) Pyrene-d10	20.07	212	366127	18.61	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	339551	19.62	ng/ul	0.01

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.86	88	7412	8.038	ng/uL# 70
4) Benzaldehyde	7.48	77	48654	18.749	ng/ul 93
6) Phenol	7.52	94	75191	16.849	ng/ul 89
8) Bis(2-Chloroethyl)ether	7.75	93	50365	16.568	ng/ul 93
10) 2-Chlorophenol	7.91	128	49786	18.035	ng/ul 96
11) 2-Methylphenol	8.78	108	56040	17.790	ng/ul 95
12) 2,2'-oxybis(1-Chloropropan	8.86	45	108171	14.658	ng/ul 97
14) Acetophenone	9.17	105	91789	17.149	ng/ul# 86
15) N-Nitroso-di-n-propylamine	9.13	70	52999	17.422	ng/ul 90
16) 4-Methylphenol	9.11	108	61096	17.177	ng/ul 98
17) Hexachloroethane	9.43	117	21143	18.483	ng/ul 90
20) Nitrobenzene	9.56	77	78938	19.076	ng/ul 95
21) Isophorone	10.07	82	143907	18.305	ng/ul 98
23) 2-Nitrophenol	10.27	139	33461	21.148	ng/ul# 84
24) 2,4-Dimethylphenol	10.32	107	77231	19.638	ng/ul 97
25) Bis(2-Chloroethoxy)methane	10.54	93	78346	18.296	ng/ul 92
27) 2,4-Dichlorophenol	10.81	162	62390	21.135	ng/ul 90
28) Naphthalene	11.21	128	178160	19.678	ng/ul# 95
30) 4-Chloroaniline	11.32	127	74501	21.292	ng/ul 92
31) Hexachlorobutadiene	11.48	225	44919	20.615	ng/ul 90
32) Caprolactam	12.07	113	24435	19.906	ng/ul 87
33) 4-Chloro-3-methylphenol	12.42	107	78975	20.960	ng/ul 98
34) 2-Methylnaphthalene	12.79	142	147041	20.219	ng/ul 89

Data Path : U:\HPCHEM1\BNA G\DATA\BG082217\
 Data File : BG028426.D
 Acq On : 22 Aug 2017 19:58
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02079

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:02:21 PM

Quant Time: Aug 23 06:56:25 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 23 02:58:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.16	216	92571	20.956	ng/ul	95
37) Hexachlorocyclopentadiene	13.13	237	34563	14.180	ng/ul#	95
38) 2,4,6-Trichlorophenol	13.39	196	63769	23.161	ng/ul	94
39) 2,4,5-Trichlorophenol	13.47	196	66535	22.171	ng/ul	97
40) 1,1'-Biphenyl	13.78	154	192618	19.244	ng/ul	98
41) 2-Chloronaphthalene	13.83	162	156222	19.750	ng/ul	97
42) 2-Nitroaniline	14.03	65	64078	19.322	ng/ul	94
44) Dimethylphthalate	14.39	163	210358	18.743	ng/ul	97
45) 2,6-Dinitrotoluene	14.52	165	48821	21.068	ng/ul#	91
47) Acenaphthylene	14.67	152	254949	19.412	ng/ul	97
48) 3-Nitroaniline	14.86	138	42372	20.307	ng/ul#	90
49) Acenaphthene	15.02	153	172097	19.421	ng/ul	98
50) 2,4-Dinitrophenol	15.07	184	21856	16.740	ng/ul#	88
52) 4-Nitrophenol	15.16	109	33438m	16.651	ng/ul	96
53) Dibenzofuran	15.34	168	252377	19.534	ng/ul	96
54) 2,4-Dinitrotoluene	15.31	165	70022	19.939	ng/ul#	84
55) 2,3,4,6-Tetrachlorophenol	15.57	232	63011	22.545	ng/ul#	96
56) Diethylphthalate	15.74	149	232582	17.665	ng/ul	99
58) Fluorene	16.00	166	219275	19.170	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.98	204	122304	19.929	ng/ul#	85
60) 4-Nitroaniline	16.02	138	42101	17.007	ng/ul#	80
63) 4,6-Dinitro-2-methylphenol	16.07	198	41069m	18.227	ng/ul	94
64) N-Nitrosodiphenylamine	16.20	169	185400	20.602	ng/ul	95
65) 4-Bromophenyl-phenylether	16.88	248	83484	22.707	ng/ul	97
66) Hexachlorobenzene	17.01	284	86978	22.223	ng/ul	99
67) Atrazine	17.13	200	79444	20.248	ng/ul	99
68) Pentachlorophenol	17.35	266	38356m	19.348	ng/ul	97
69) Phenanthrene	17.74	178	338520m	19.664	ng/ul	100
71) Anthracene	17.84	178	352109	20.013	ng/ul	97
72) Carbazole	18.11	167	291551	19.054	ng/ul	97
73) Di-n-butylphthalate	18.63	149	367168m	19.276	ng/ul	98
74) Fluoranthene	19.75	202	404342	19.327	ng/ul	99
77) Pyrene	20.10	202	416899	18.212	ng/ul	93
78) Butylbenzylphthalate	20.97	149	166122	19.371	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.91	252	152257	20.568	ng/ul#	97
80) Benzo(a)anthracene	22.01	228	428532	19.330	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.87	149	236205	19.367	ng/ul	97
82) Chrysene	22.08	228	380284	19.047	ng/ul	100
84) Di-n-octyl phthalate	23.17	149	403241	18.204	ng/ul	99
85) Benzo(b)fluoranthene	24.41	252	429658	19.425	ng/ul#	98
86) Benzo(k)fluoranthene	24.49	252	413269	19.128	ng/ul	98
88) Benzo(a)pyrene	25.37	252	414490	19.354	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.56	276	497051	19.820	ng/ul	94
90) Dibenzo(a,h)anthracene	29.62	278	419633	19.963	ng/ul	96
91) Benzo(g,h,i)perylene	30.82	276	409001	19.824	ng/ul	96

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