

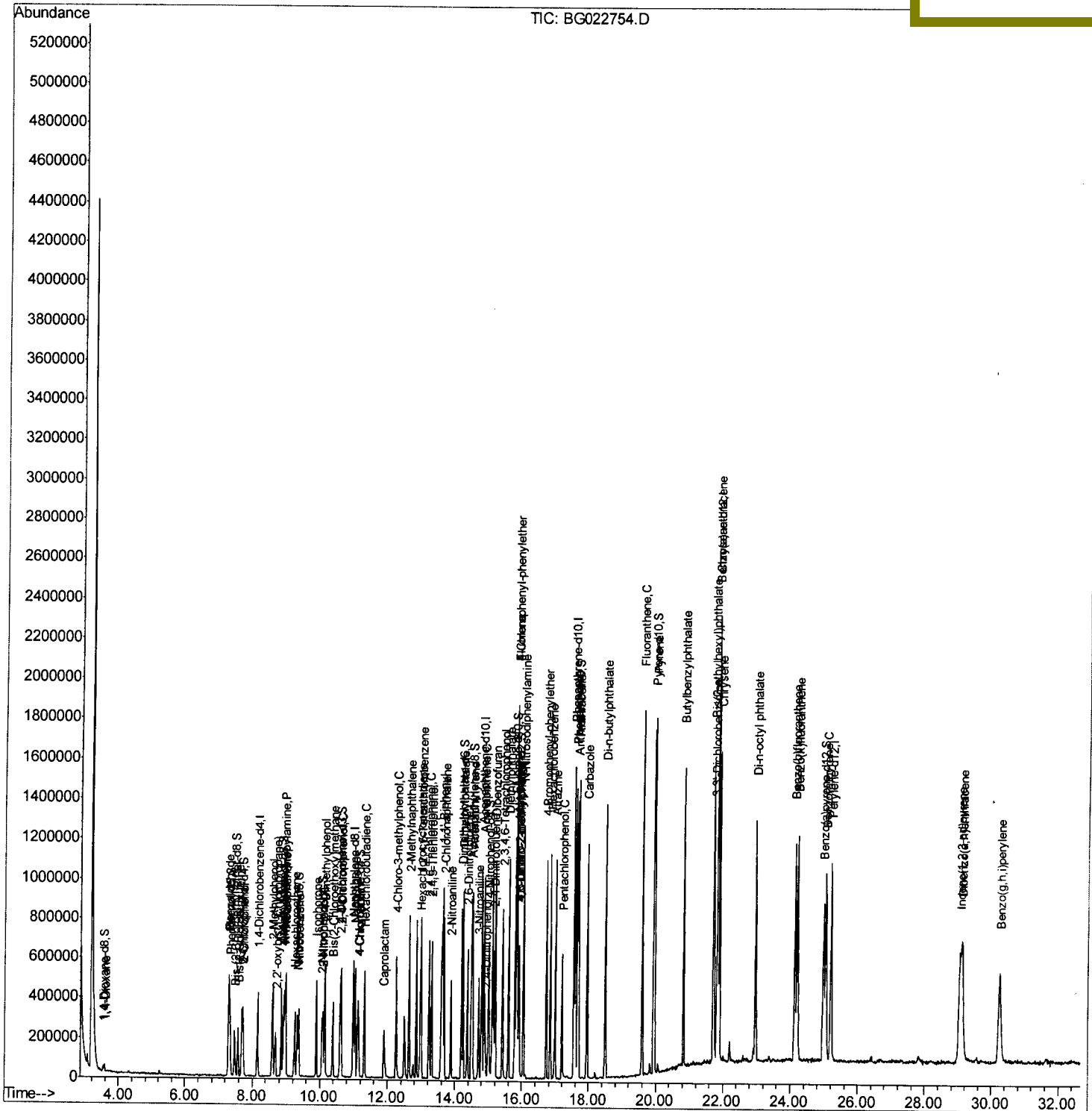
```
Data Path   : Z:\HPCHEM1\BNA_G\Data\BG063016\  
Data File  : BG022754.D  
Acq On     : 1 Jul 2016    9:00  
Operator   : UM/SJ  
Sample     : SSTDCCC020EC  
Misc      :  
ALS Vial   : 2    Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02009

Quant Time: Jul 01 15:38:37 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 01 08:12:10 2016
Response via : Initial Calibration

Manual Integration

sohil
7/1/2016 7:05:38 PM



Quantitation Report (Qedit)

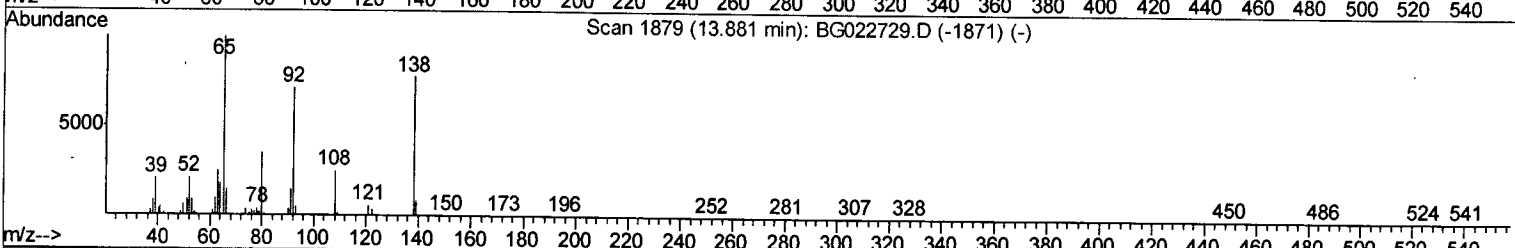
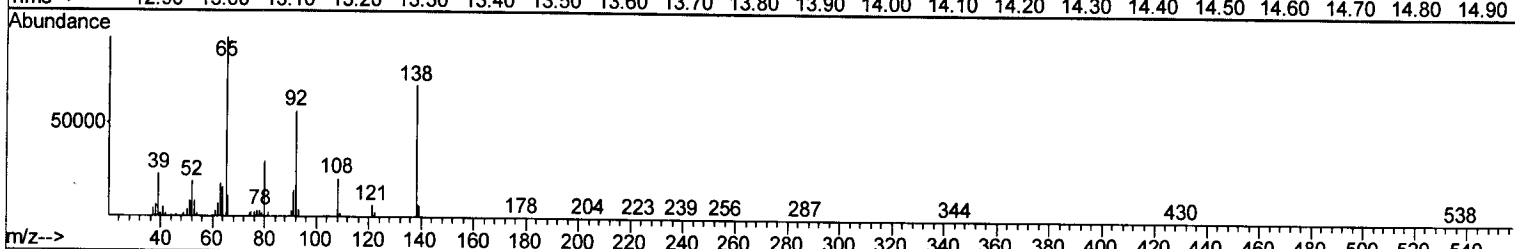
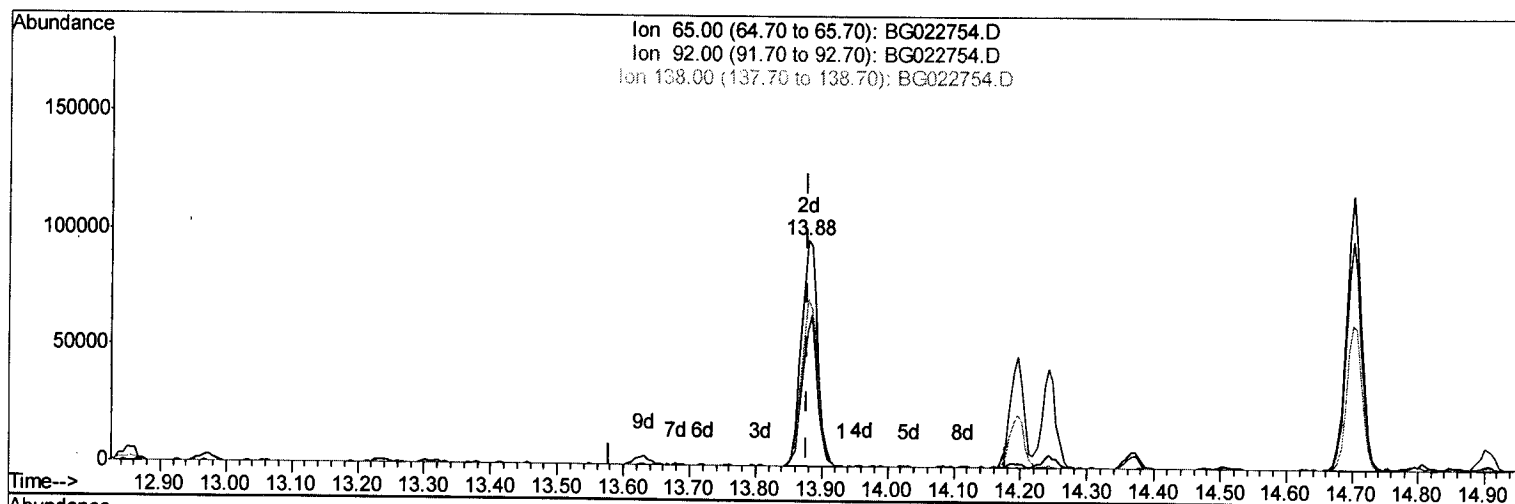
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
Data File : BG022754.D
Acq On : 1 Jul 2016 9:00
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integration

sohil
7/1/2016 7:05:38 PM

Quant Time: Jul 01 15:35:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 01 08:12:10 2016
Response via : Initial Calibration



TIC: BG022754.D

(42) 2-Nitroaniline

13.878min (-0.000) 18.83ng/ul m U.M.

response 163380

07/02/16

Ion	Exp%	Act%
65.00	100	100
92.00	83.90	59.08#
138.00	137.00	73.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

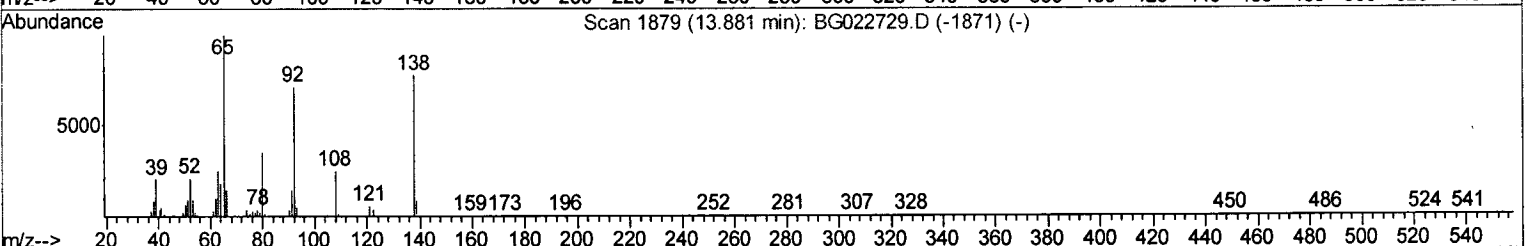
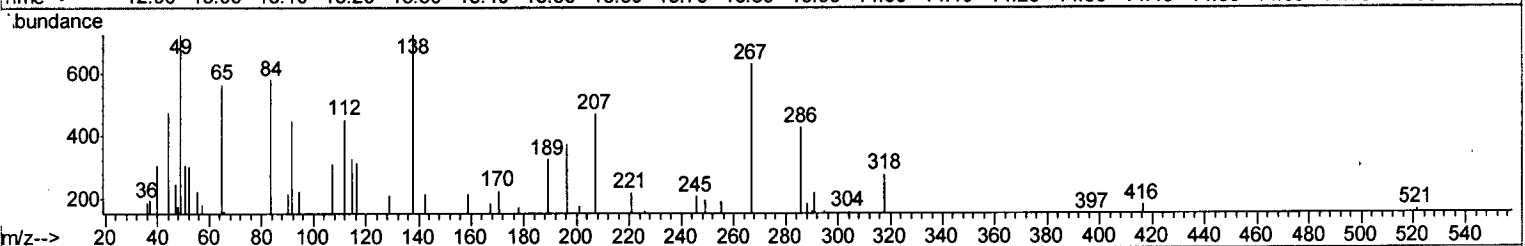
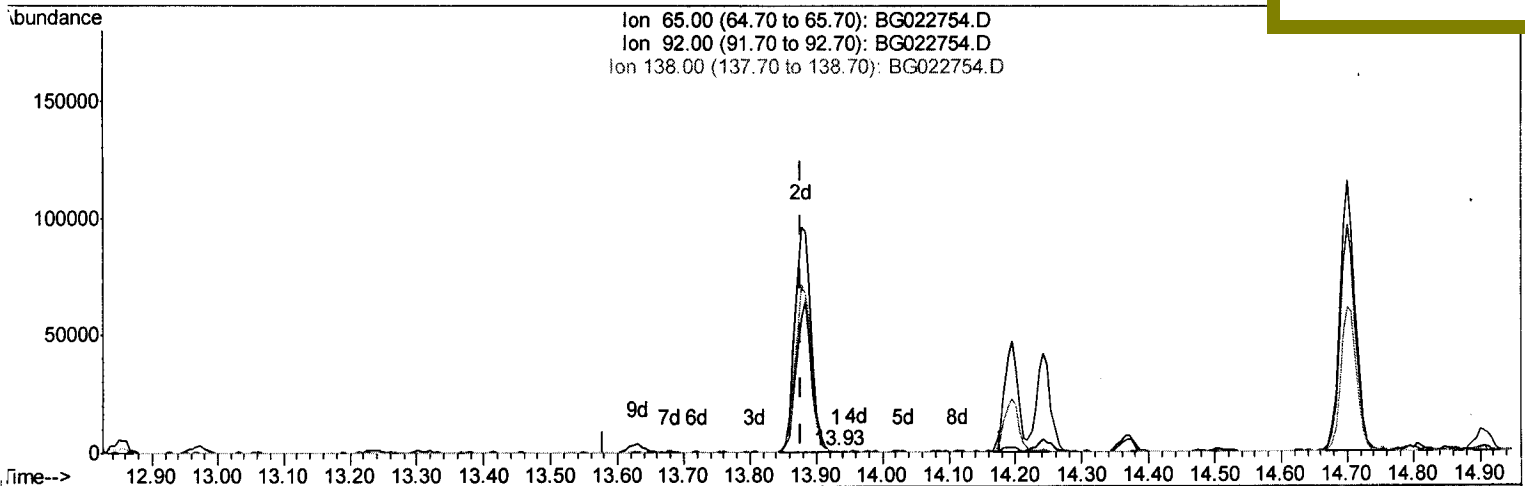
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02009

Quant Time: Jul 01 15:35:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

Manual Integration

APPROVED
 sohil
 7/1/2016 7:05:38 PM



TIC: BG022754.D

(42) 2-Nitroaniline

13.931min (+0.052) 0.04ng/ul

response 376

Ion	Exp%	Act%
65.00	100	100
92.00	83.90	78.58
138.00	137.00	127.96
0.00	0.00	0.00

Quantitation Report (Qedit)

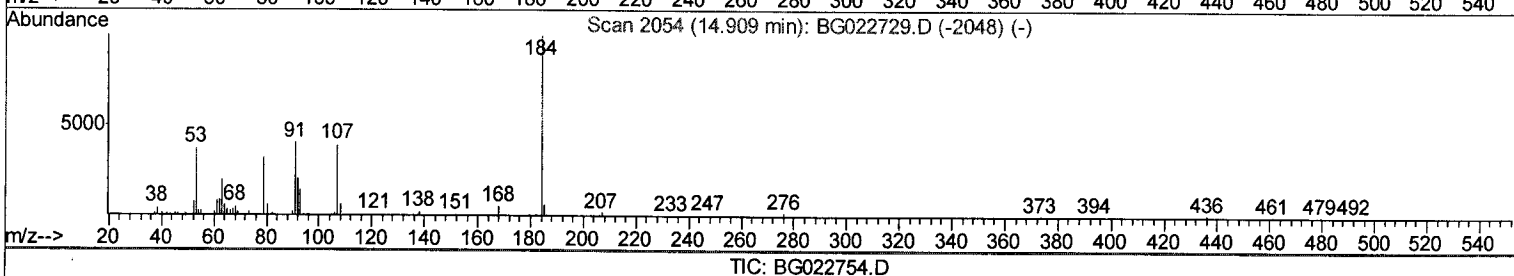
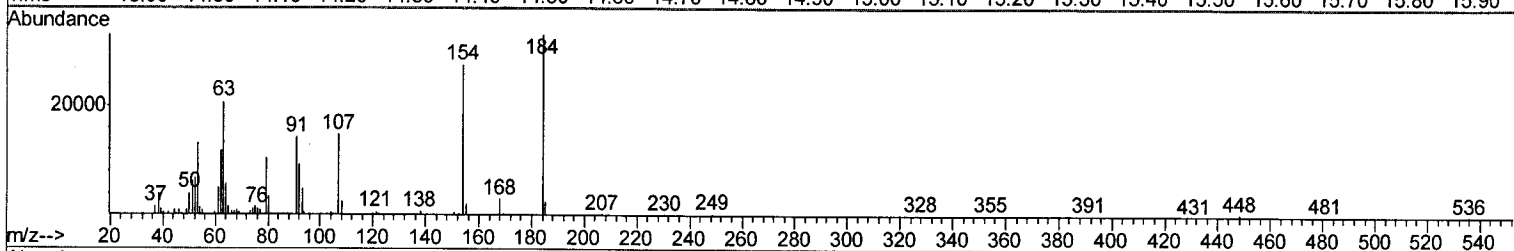
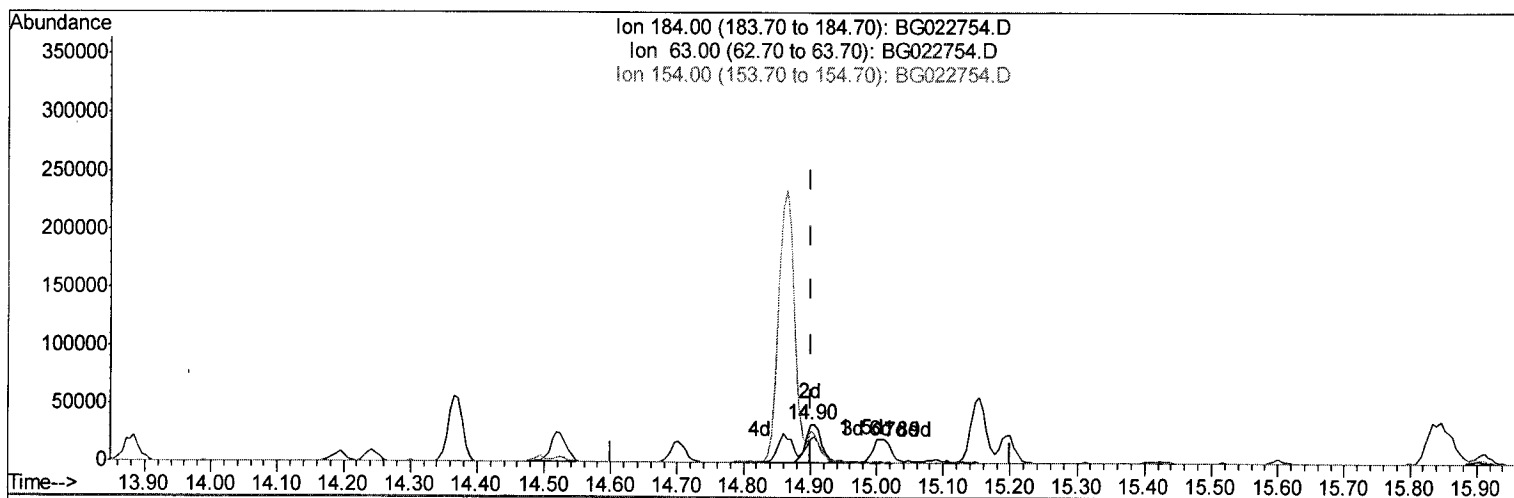
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02009

Manual Integration

Quant Time: Jul 01 15:35:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

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(50) 2,4-Dinitrophenol

14.900min (-0.000) 15.50ng/ul m

response 56352

Ion	Exp%	Act%
184.00	100	100
63.00	50.60	62.81#
154.00	60.60	82.97#
0.00	0.00	0.00

U.M.
 07/02/16

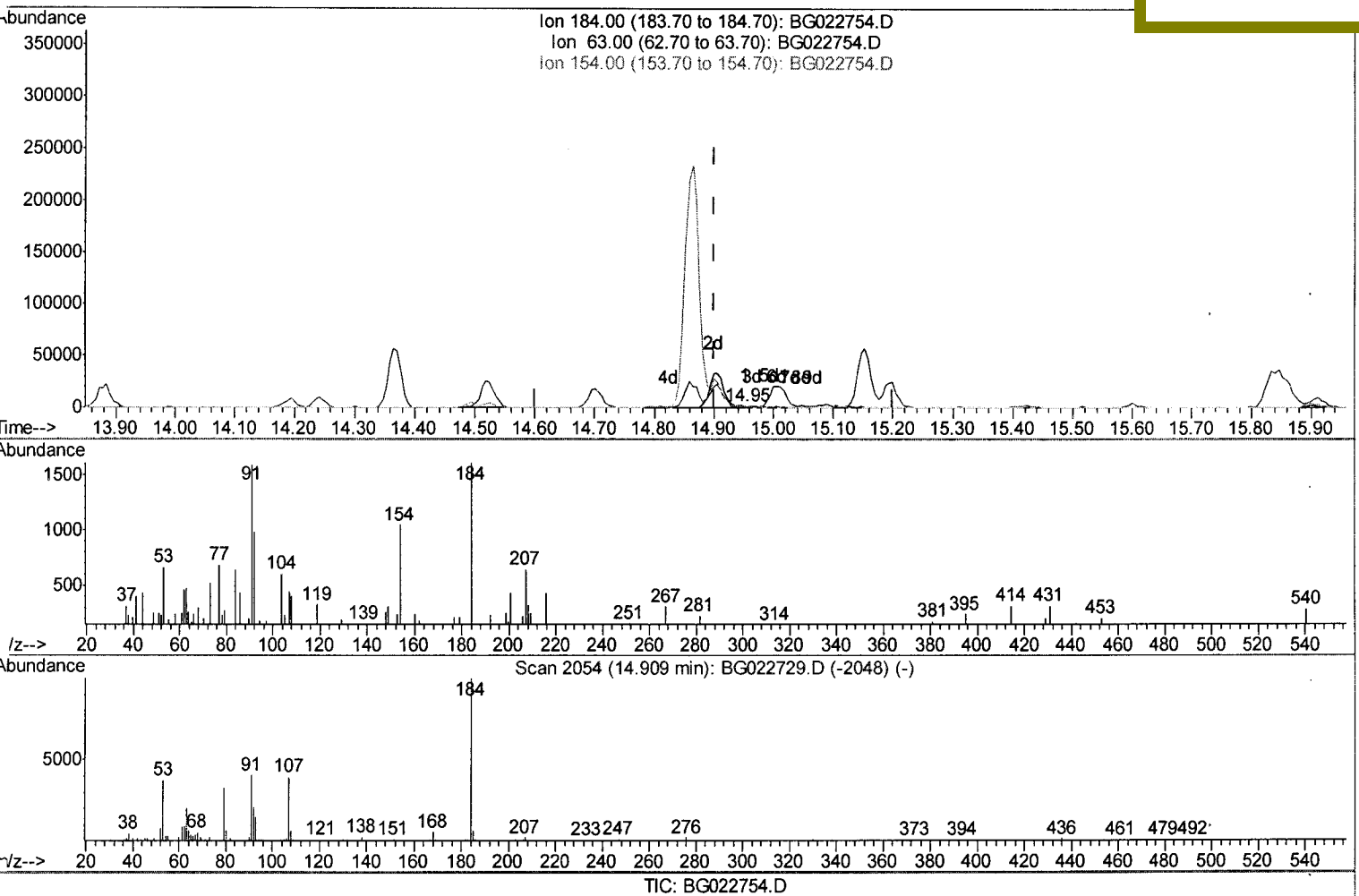
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
Data File : BG022754.D
Acq On : 1 Jul 2016 9:00
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integration

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7/1/2016 7:05:38 PM

Quant Time: Jul 01 15:35:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 01 08:12:10 2016
Response via : Initial Calibration



(50) 2,4-Dinitrophenol

14.953min (+0.052) 0.32ng/ul

response 1151

Ion	Exp%	Act%
184.00	100	100
63.00	50.60	45.34
154.00	60.60	65.05
0.00	0.00	0.00

Quantitation Report (Qedit)

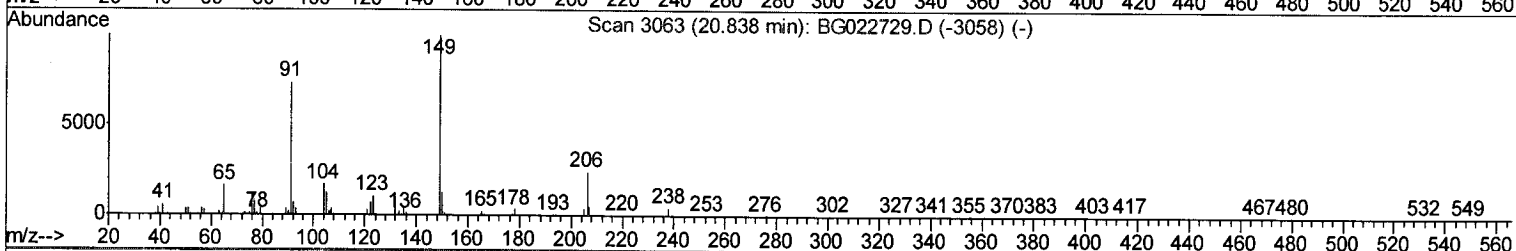
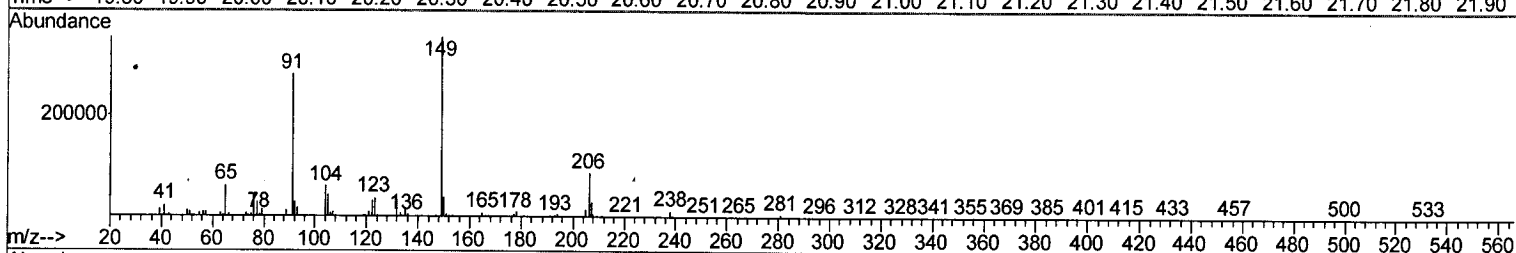
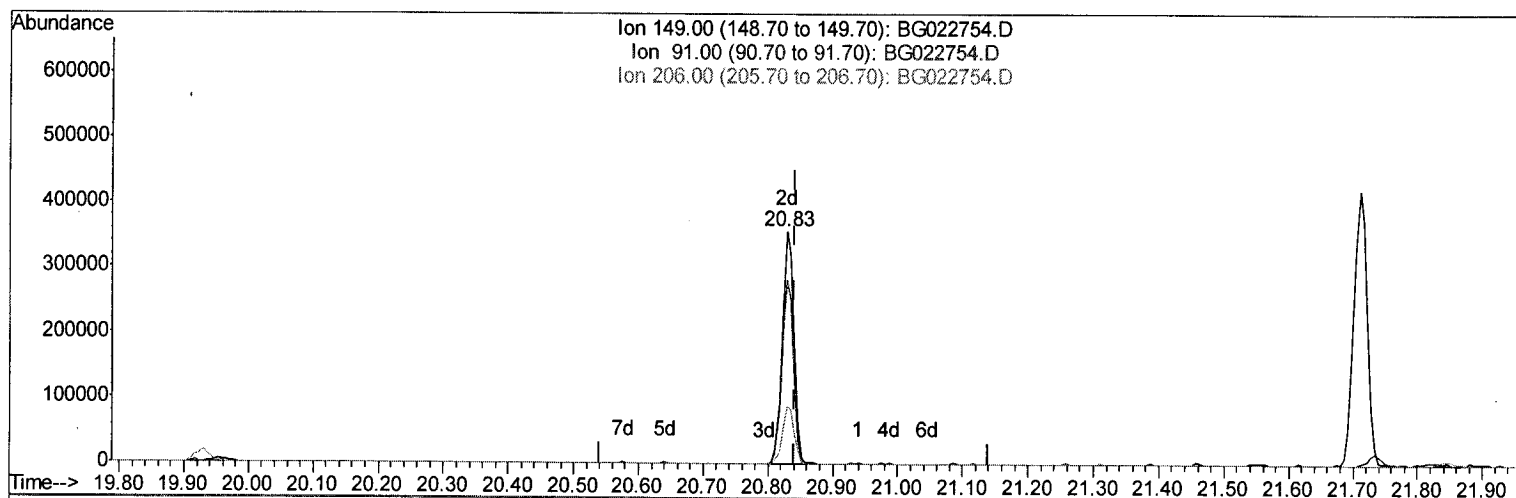
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA G
 LabSampleId :
 SSTD02009

Manual Integration

Quant Time: Jul 01 15:35:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

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 7/1/2016 7:05:38 PM



TIC: BG022754.D

(78) Butylbenzylphthalate

20.828min (-0.012) 19.01ng/ul m *U.M.*
07/02/16
 response 446808

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	79.38
206.00	17.60	24.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

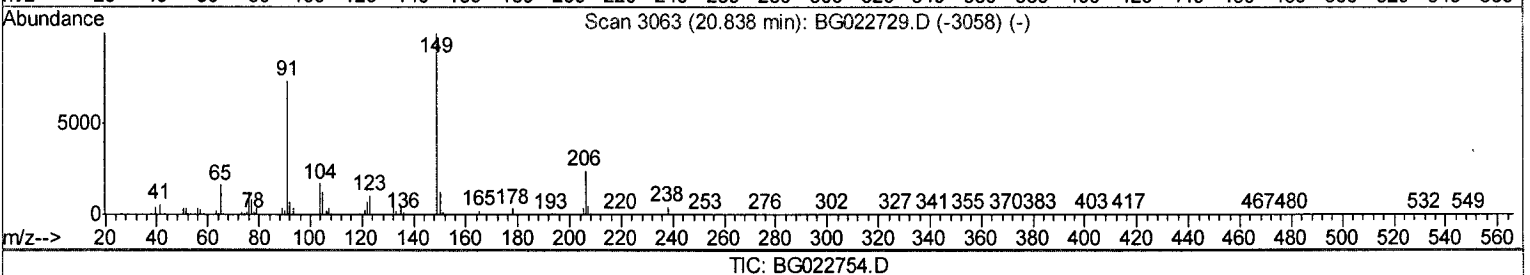
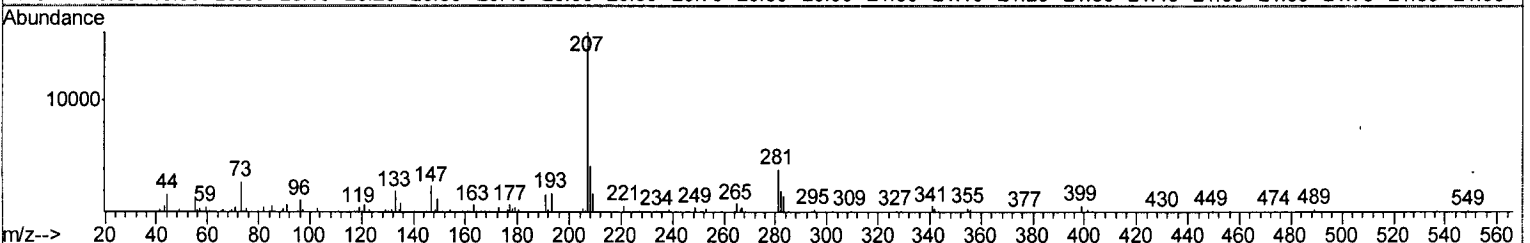
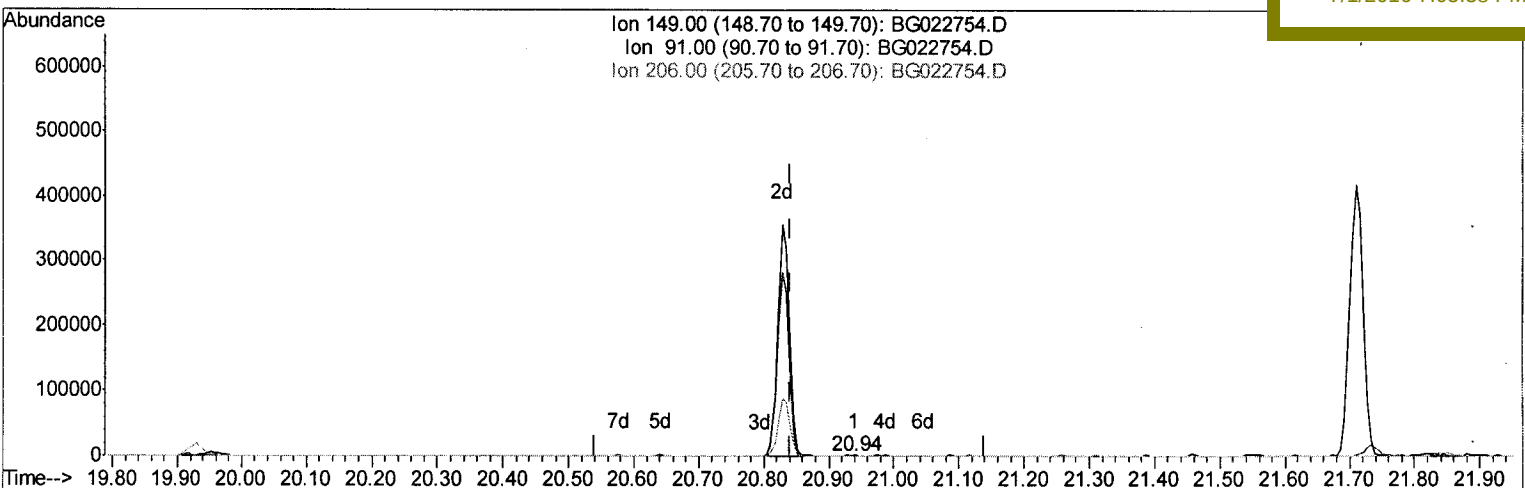
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02009

Quant Time: Jul 01 15:35:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

Manual Integration

APPROVED
 sohil
 7/1/2016 7:05:38 PM



(78) Butylbenzylphthalate

20.940min (+0.099) 0.03ng/ul

response 591

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	61.44
206.00	17.60	18.98
0.00	0.00	0.00

Quantitation Report (Qedit)

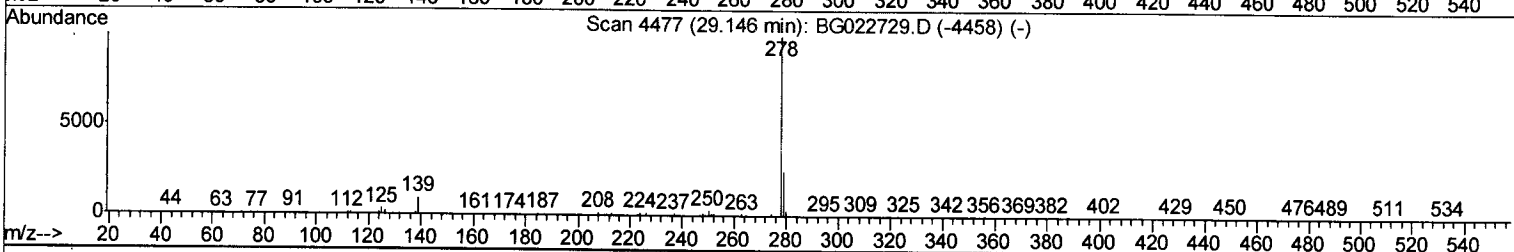
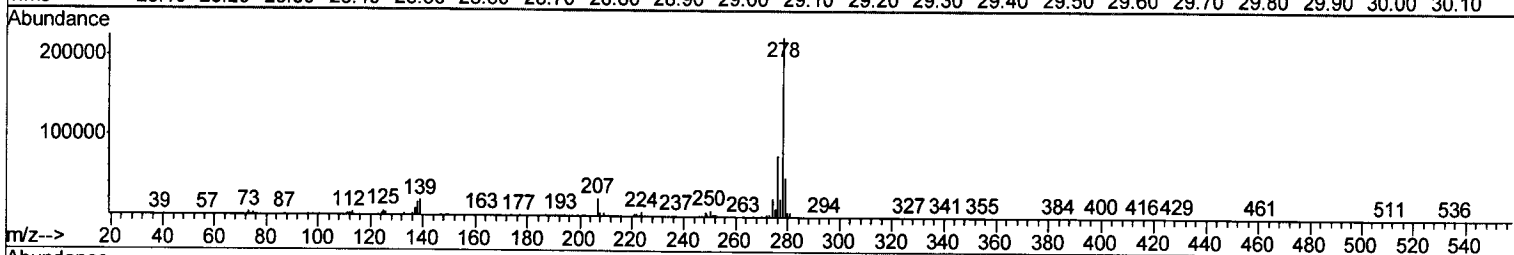
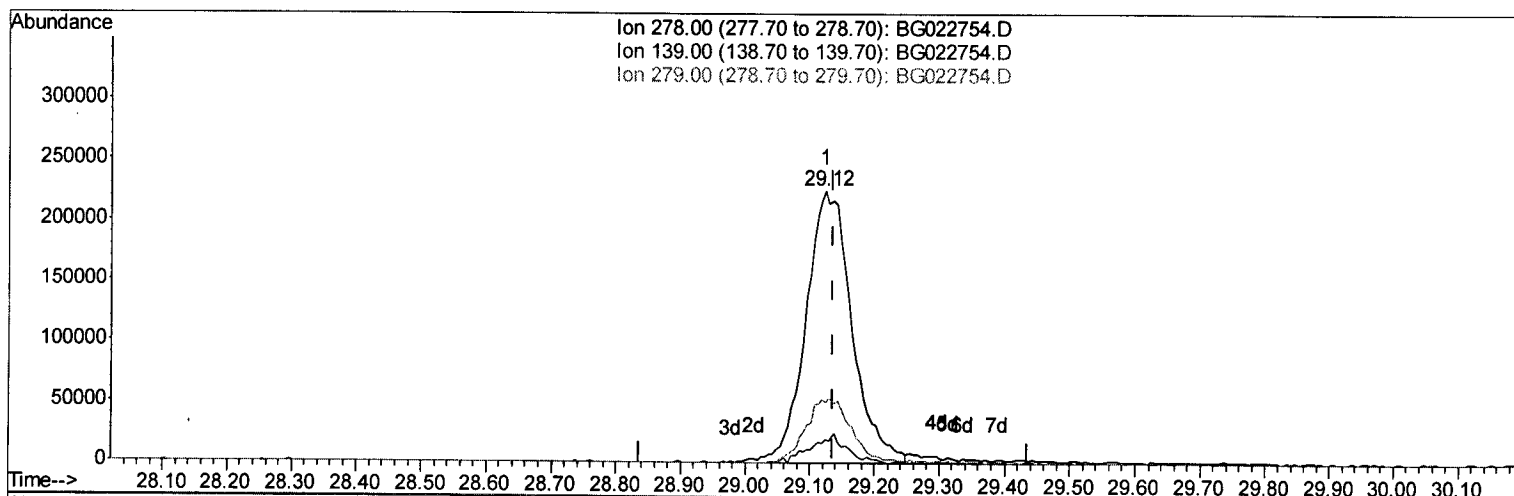
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02009

Manual Integration

Quant Time: Jul 01 15:35:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

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 7/1/2016 7:05:38 PM



TIC: BG022754.D

(90) Dibenzo(a,h)anthracene

29.125min (-0.012) 19.37ng/ul m U.M.
 response 1118565
 07/02/16

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	8.81#
279.00	23.90	22.16
0.00	0.00	0.00

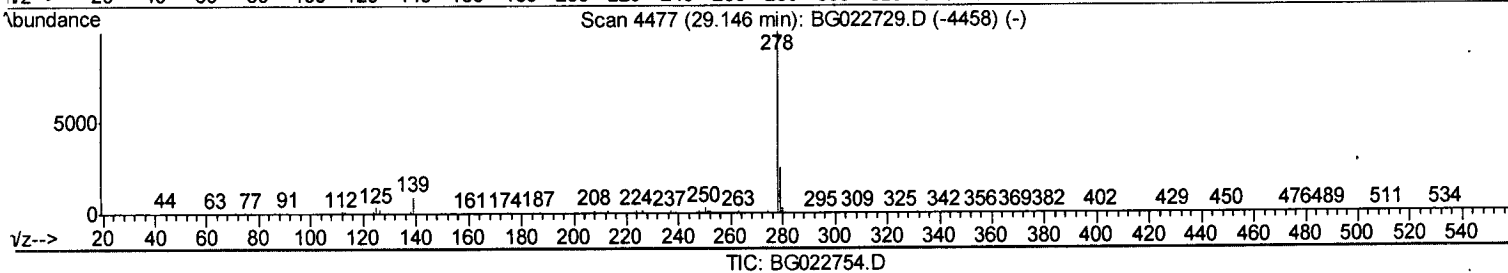
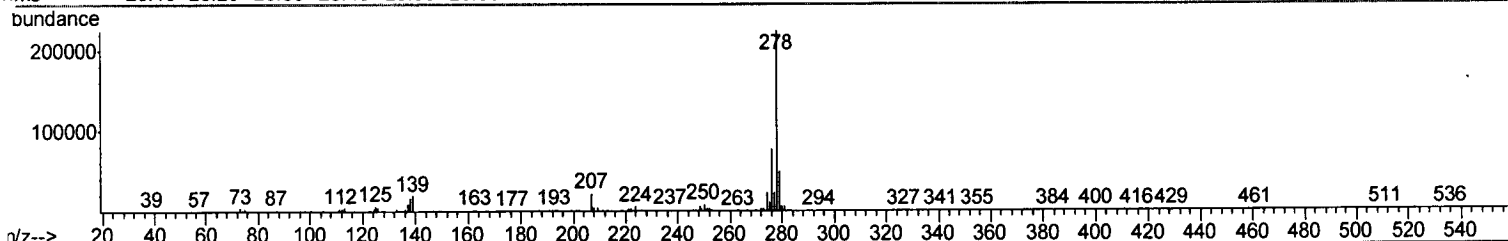
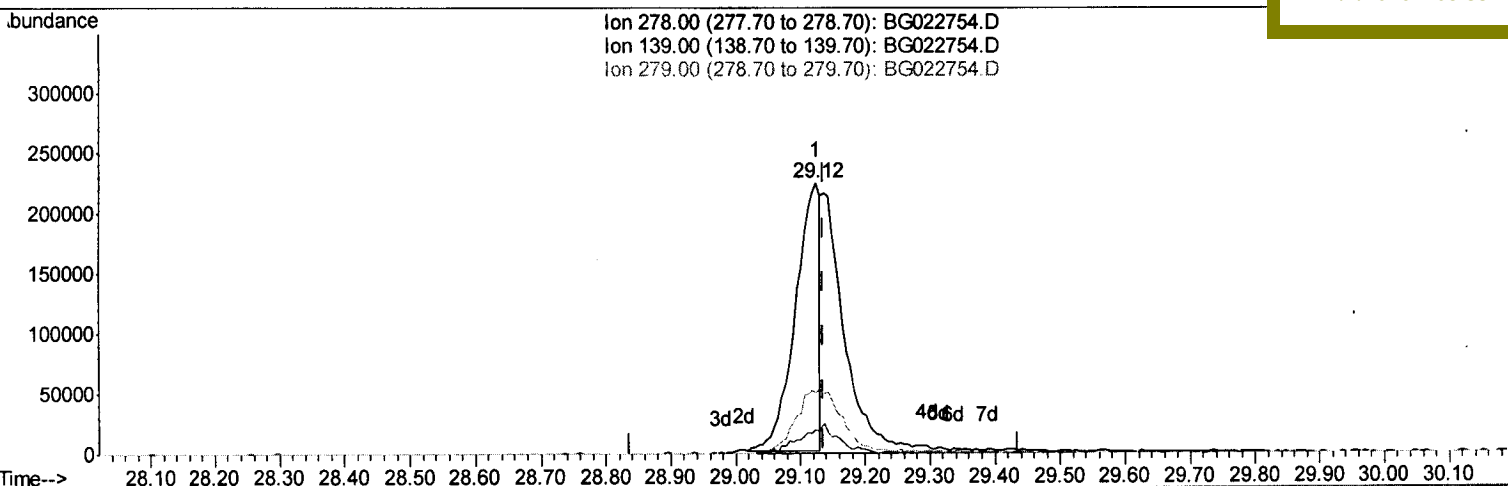
Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
Data File : BG022754.D
Acq On : 1 Jul 2016 9:00
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02009

Quant Time: Jul 01 15:35:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 01 08:12:10 2016
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Manual Integration

APPROVED
sohil
7/1/2016 7:05:38 PM



TIC: BG022754.D

(90) Dibenzo(a,h)anthracene

29.125min (-0.012) 10.23ng/ul

response 590930

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	8.81#
279.00	23.90	22.16
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02009

Manual Integration

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 7/1/2016 7:05:38 PM

Quant Time: Jul 01 15:38:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	250806	18.41	ng/ul#	96
37) Hexachlorocyclopentadiene	12.97	237	143164	17.41	ng/ul	97
38) 2,4,6-Trichlorophenol	13.24	196	170067	18.10	ng/ul	97
39) 2,4,5-Trichlorophenol	13.31	196	180708	18.28	ng/ul	97
40) 1,1'-Biphenyl	13.63	154	491263	17.73	ng/ul#	96
41) 2-Chloronaphthalene	13.68	162	396336	17.66	ng/ul	99
42) 2-Nitroaniline	13.88	65	163380m	18.83	ng/ul	
44) Dimethylphthalate	14.24	163	561194	18.57	ng/ul	99
45) 2,6-Dinitrotoluene	14.37	165	121574	18.58	ng/ul#	81
47) Acenaphthylene	14.52	152	633496	18.55	ng/ul	98
48) 3-Nitroaniline	14.70	138	99531	19.46	ng/ul#	43
49) Acenaphthene	14.86	153	422372	18.20	ng/ul	97
50) 2,4-Dinitrophenol	14.90	184	56352m	15.50	ng/ul	
52) 4-Nitrophenol	15.01	109	118453	20.04	ng/ul#	52
53) Dibenzofuran	15.19	168	680690	18.99	ng/ul	89
54) 2,4-Dinitrotoluene	15.15	165	173715	18.36	ng/ul#	71
55) 2,3,4,6-Tetrachlorophenol	15.42	232	184960	18.38	ng/ul	92
56) Diethylphthalate	15.60	149	575805	18.75	ng/ul	96
58) Fluorene	15.85	166	536907	18.64	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.83	204	317665	18.41	ng/ul	97
60) 4-Nitroaniline	15.86	138	119986	19.53	ng/ul#	49
63) 4,6-Dinitro-2-methylphenol	15.92	198	105335	16.47	ng/ul#	90
64) N-Nitrosodiphenylamine	16.05	169	506357	18.32	ng/ul	92
65) 4-Bromophenyl-phenylether	16.73	248	223871	17.83	ng/ul	96
66) Hexachlorobenzene	16.85	284	244488	18.40	ng/ul	93
67) Atrazine	16.99	200	214847	18.64	ng/ul	97
68) Pentachlorophenol	17.20	266	126993	16.62	ng/ul	95
69) Phenanthrene	17.59	178	923988	19.25	ng/ul	97
71) Anthracene	17.69	178	944711	19.15	ng/ul	99
72) Carbazole	17.96	167	770045	21.09	ng/ul	98
73) Di-n-butylphthalate	18.50	149	955011	20.38	ng/ul#	97
74) Fluoranthene	19.59	202	1138180	22.76	ng/ul#	85
77) Pyrene	19.96	202	1147069	18.93	ng/ul#	84
78) Butylbenzylphthalate	20.83	149	446808m	19.01	ng/ul	
79) 3,3'-Dichlorobenzidine	21.74	252	411171	20.05	ng/ul#	95
80) Benzo(a)anthracene	21.83	228	1210615	19.06	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.71	149	592174	19.52	ng/ul#	97
82) Chrysene	21.90	228	1087514	18.81	ng/ul	98
84) Di-n-octyl phthalate	22.97	149	1009339	20.58	ng/ul	100
85) Benzo(b)fluoranthene	24.14	252	1222818	17.58	ng/ul#	91
86) Benzo(k)fluoranthene	24.21	252	1241451	19.00	ng/ul#	87
88) Benzo(a)pyrene	25.05	252	1183513	17.91	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	29.06	276	1331593	19.06	ng/ul#	80
90) Dibenzo(a,h)anthracene	29.12	278	1118565m	19.37	ng/ul	
91) Benzo(g,h,i)perylene	30.26	276	1098948	20.07	ng/ul#	78

u.m.
 07/02/16

u.m.
 07/02/16

u.m.
 07/02/16

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

Data Path : Z:\HPCHEM1\BNA_G\Data\BG063016\
 Data File : BG022754.D
 Acq On : 1 Jul 2016 9:00
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02009

Quant Time: Jul 01 15:38:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 01 08:12:10 2016
 Response via : Initial Calibration

Manual Integration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	103577	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	464454	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	364389	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	938524	20.00	ng/ul	0.00
75) Chrysene-d12	21.84	240	1082734	20.00	ng/ul	-0.01
83) Perylene-d12	25.21	264	1112874	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	13342	7.20	ng/uL	0.00
5) Phenol-d5	7.31	99	193051	17.72	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.47	67	116132	18.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	127534	17.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	149871	17.71	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	66911	18.07	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	75498	16.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	164420	17.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	152673	19.30	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	546087	18.45	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	627482	18.50	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	91425	19.67	ng/ul	0.00
57) Fluorene-d10	15.79	176	522672	18.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	98633	16.34	ng/ul	0.00
70) Anthracene-d10	17.65	188	818357	18.76	ng/ul	0.00
76) Pyrene-d10	19.93	212	985185	19.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.98	264	936548	17.71	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.58	88	17766	8.18 ng/uL#	77
4) Benzaldehyde	7.29	77	136365	19.69 ng/ul#	81
6) Phenol	7.34	94	199867	17.91 ng/ul#	60
8) Bis(2-Chloroethyl) ether	7.57	93	145281	19.04 ng/ul	95
10) 2-Chlorophenol	7.72	128	129611	17.51 ng/ul#	81
11) 2-Methylphenol	8.60	108	147867	17.64 ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.70	45	159400	18.58 ng/ul	95
14) Acetophenone	8.98	105	246138	18.01 ng/ul#	87
15) N-Nitroso-di-n-propylamine	8.96	70	139792	17.02 ng/ul#	77
16) 4-Methylphenol	8.92	108	163043	17.49 ng/ul	99
17) Hexachloroethane	9.25	117	60651	19.24 ng/ul#	74
20) Nitrobenzene	9.37	77	207963	18.26 ng/ul#	84
21) Isophorone	9.89	82	372928	18.36 ng/ul#	93
23) 2-Nitrophenol	10.09	139	86171	18.18 ng/ul#	47
24) 2,4-Dimethylphenol	10.14	107	203087	17.90 ng/ul#	82
25) Bis(2-Chloroethoxy) methane	10.38	93	207408	17.30 ng/ul#	95
27) 2,4-Dichlorophenol	10.63	162	166320	17.71 ng/ul	95
28) Naphthalene	11.03	128	436435	18.38 ng/ul	98
30) 4-Chloroaniline	11.14	127	148689	18.40 ng/ul	96
31) Hexachlorobutadiene	11.32	225	133482	18.45 ng/ul	93
32) Caprolactam	11.90	113	55986	17.87 ng/ul#	62
33) 4-Chloro-3-methylphenol	12.26	107	210020	17.68 ng/ul#	82
34) 2-Methylnaphthalene	12.63	142	356992	18.17 ng/ul	96