

(QT Reviewed)

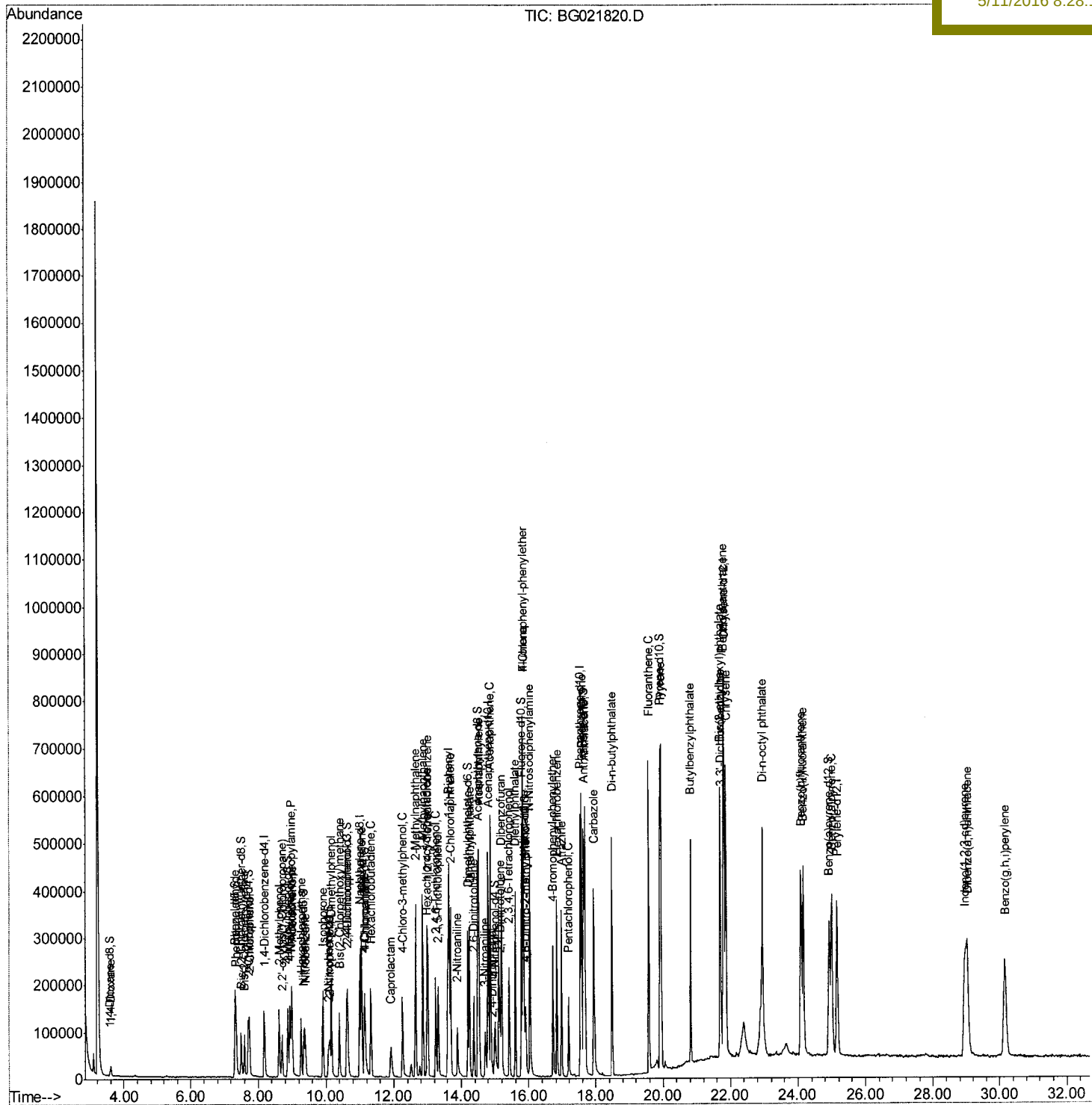
```
Data Path   : Z:\HPCHEM1\BNA_G\Data\BG051016\  
Data File  : BG021820.D  
Acq On     : 10 May 2016   17:22  
Operator   : UM/SJ  
Sample     : SSTDCCC020  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Quant Time: May 11 05:16:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 11 02:37:33 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02014

Manual Integrations APPROVED

sohil
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Quantitation Report (Qedit)

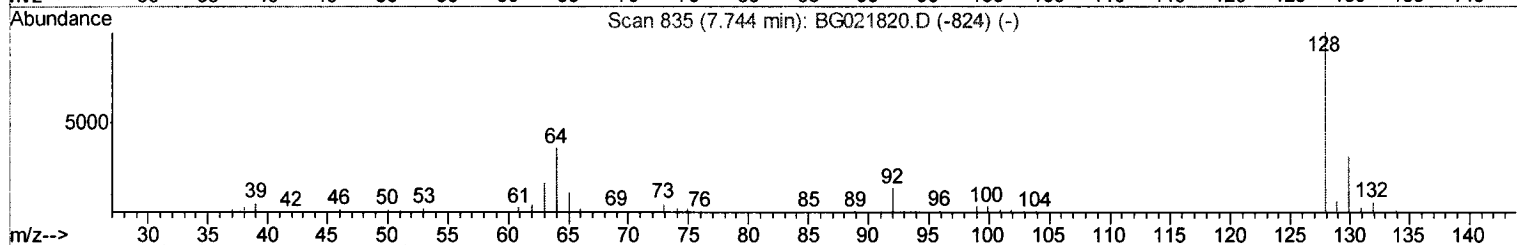
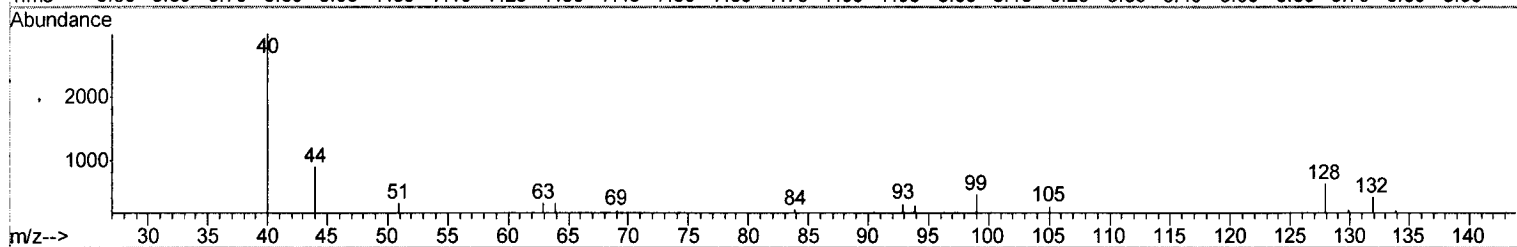
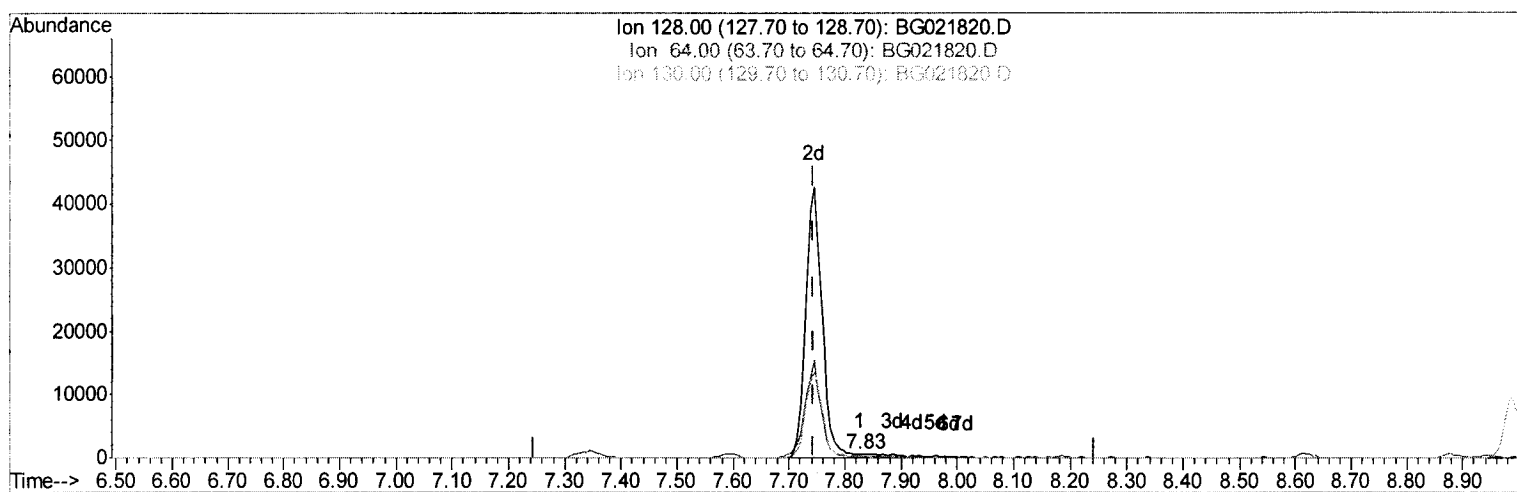
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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Quant Time: May 11 19:47:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration



TIC: BG021820.D

(10) 2-Chlorophenol

7.826min (+0.082) 0.48ng/ul

response 1645

Ion	Exp%	Act%
128.00	100	100
64.00	58.80	49.35
130.00	34.70	36.29
0.00	0.00	0.00

Quantitation Report (Qedit)

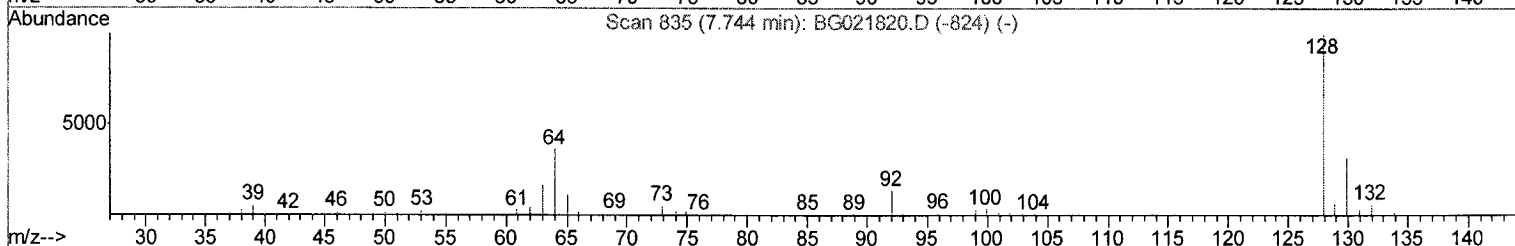
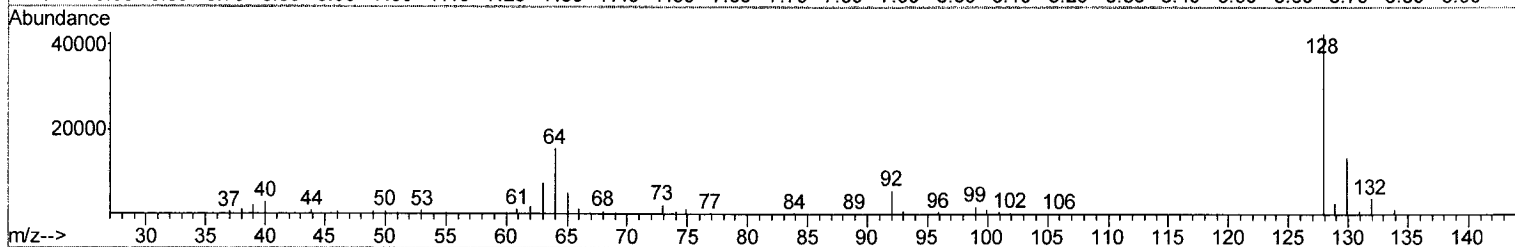
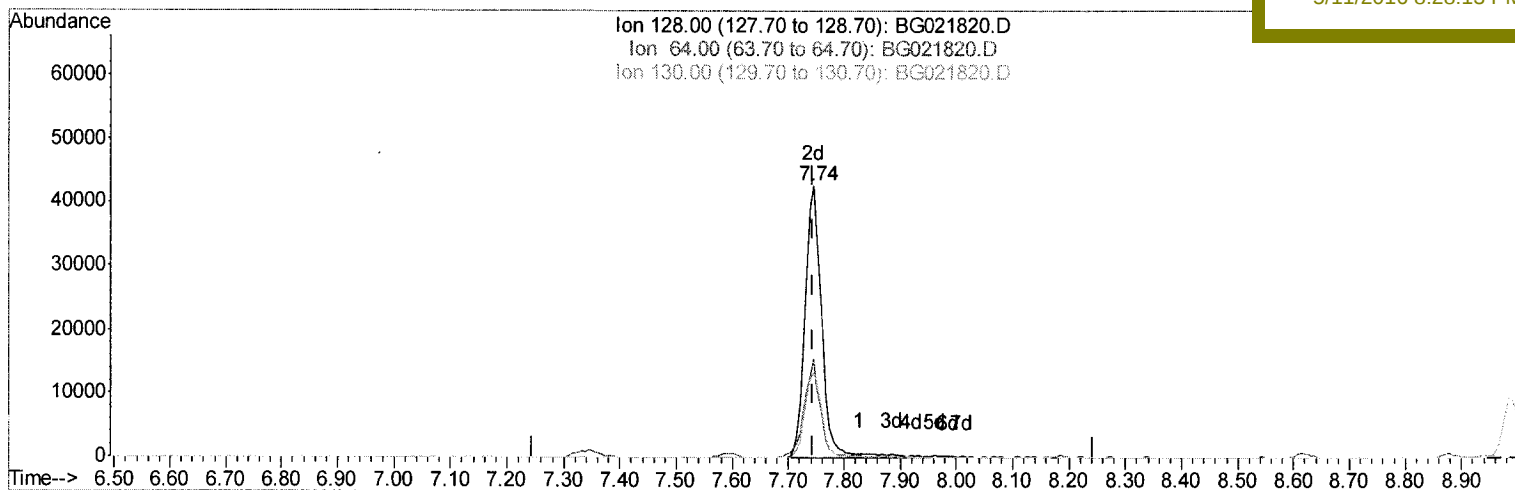
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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TIC: BG021820.D

(10) 2-Chlorophenol

7.744min (-0.000) 25.32ng/ul m U.M

response 86103

05/13/16

Ion	Exp%	Act%
128.00	100	100
64.00	58.80	36.22#
130.00	34.70	31.68
0.00	0.00	0.00

Quantitation Report (Qedit)

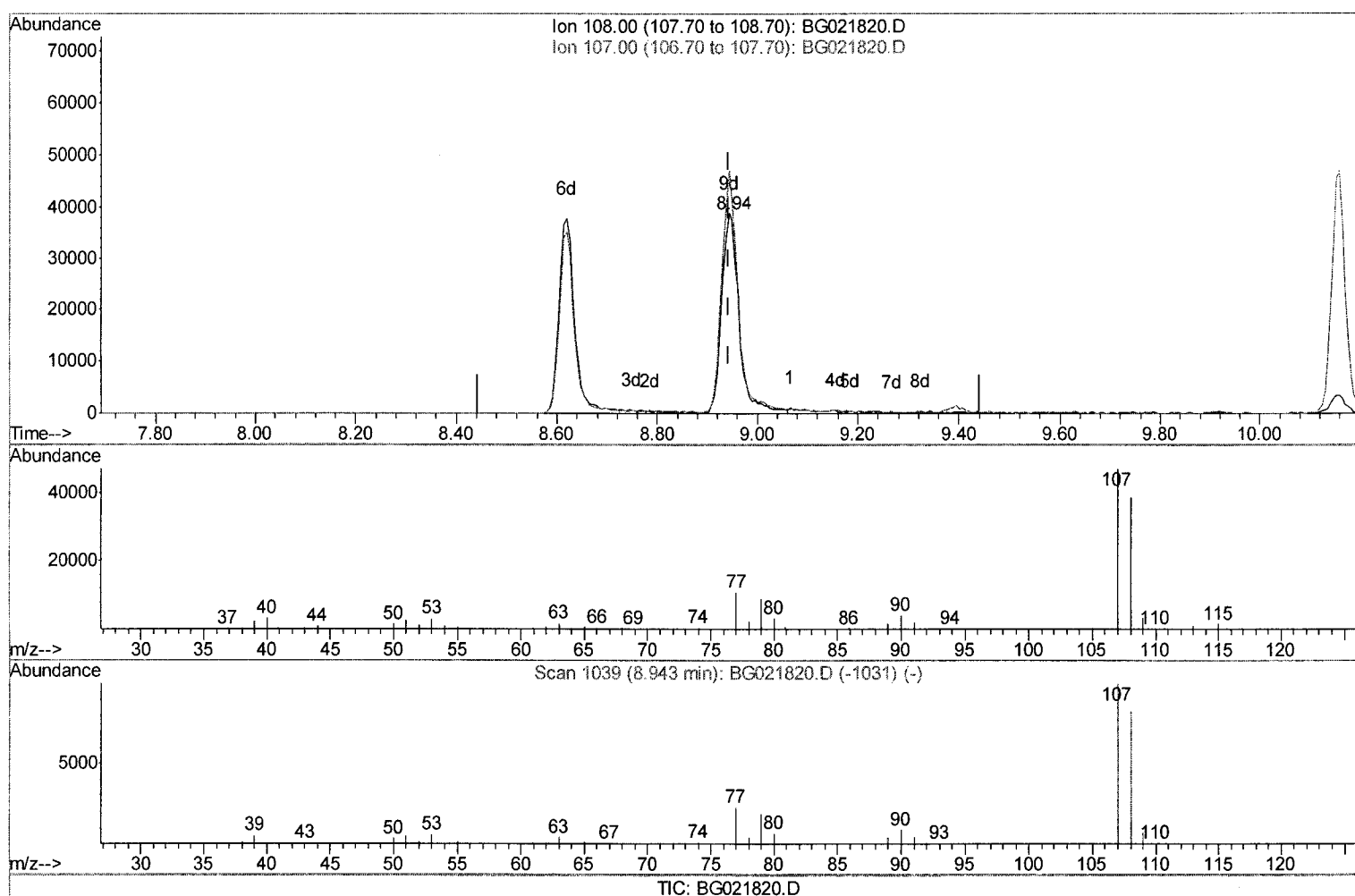
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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Quant Time: May 11 05:16:10 2016
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(16) 4-Methylphenol

8.943min (-0.000) 23.26ng/ul m

response 93349

Ion	Exp%	Act%
108.00	100	100
107.00	99.70	121.08#
0.00	0.00	0.00
0.00	0.00	0.00

U.M
 05/13/16

Quantitation Report (Qedit)

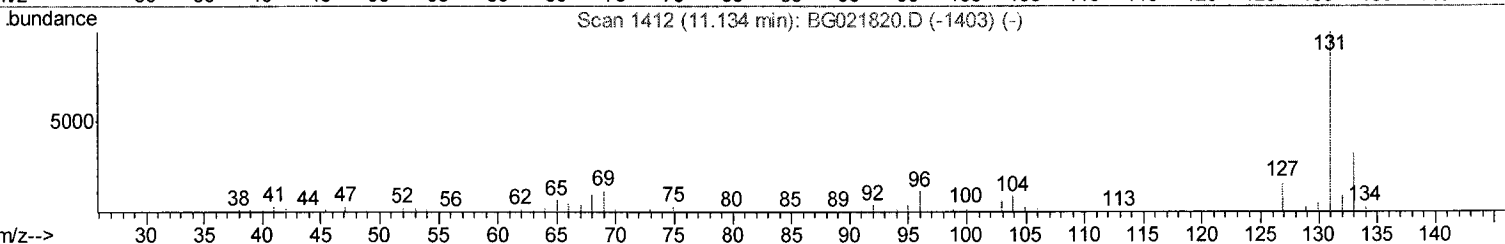
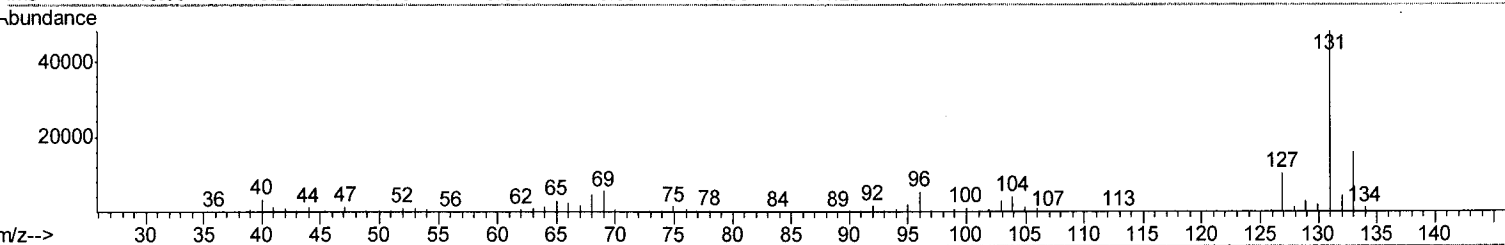
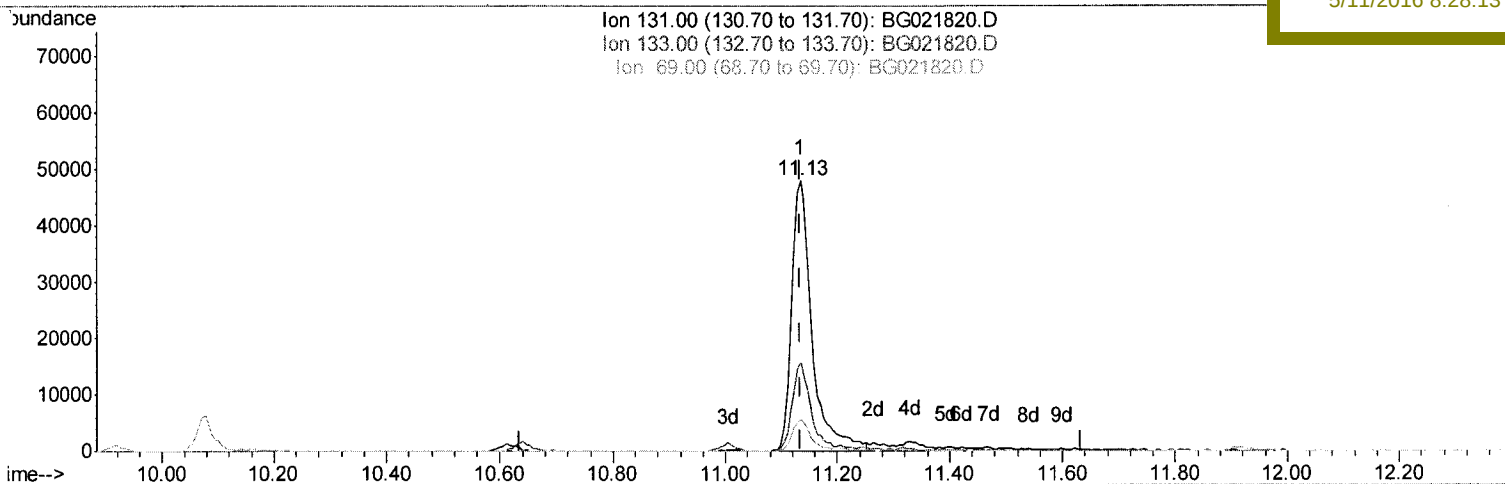
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

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Manual Integrations
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TIC: BG021820.D

(29) 4-Chloroaniline-d4 (S)

11.134min (-0.000) 29.54ng/ul m

response 120946

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	32.92
69.00	23.00	11.90#
0.00	0.00	0.00

U.M
 05/13/16

Quantitation Report (Qedit)

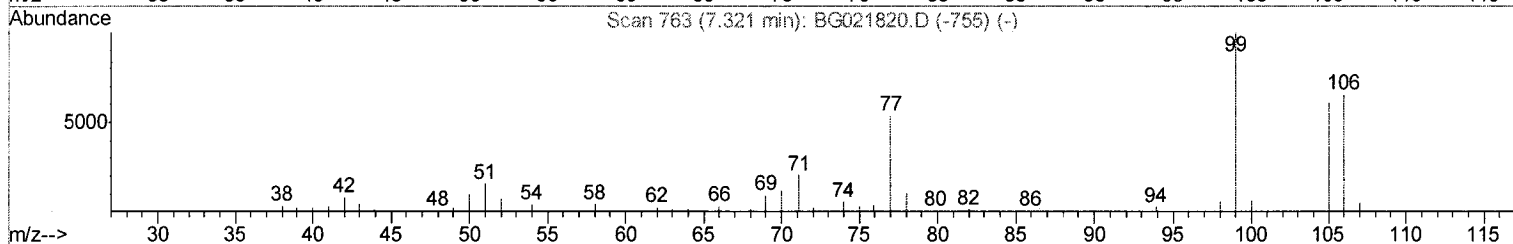
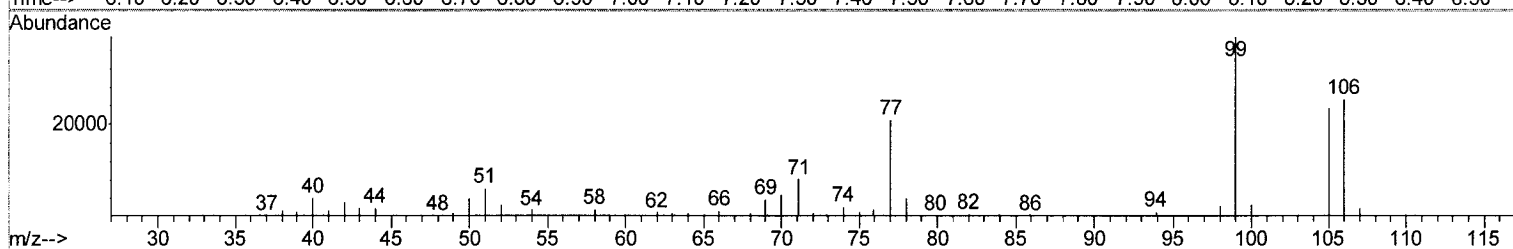
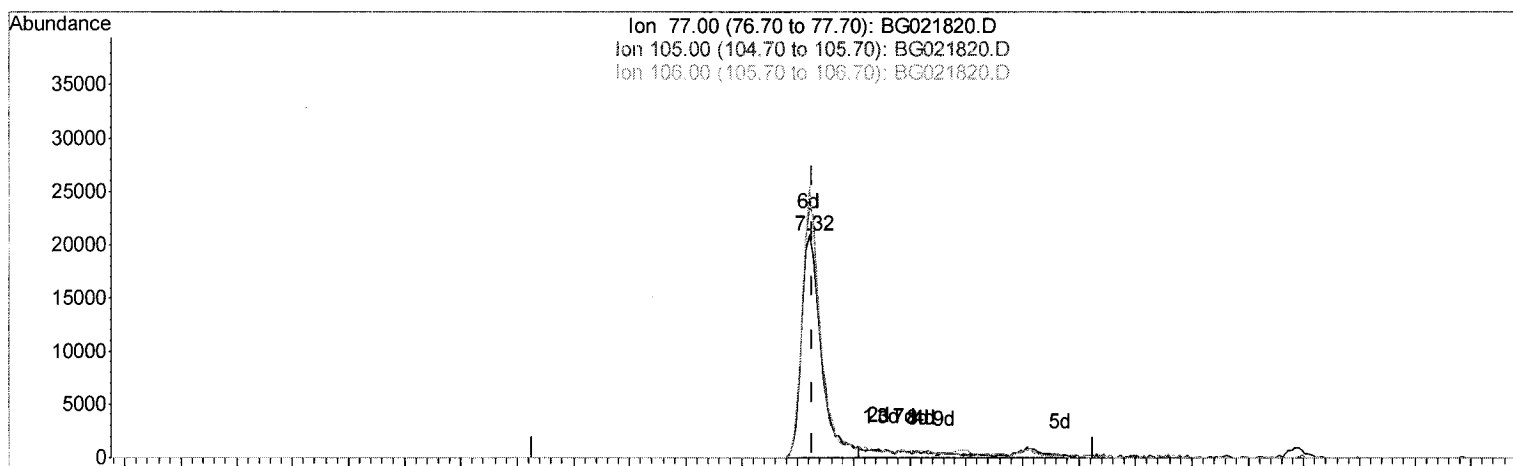
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
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 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: May 11 05:16:10 2016
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TIC: BG021820.D

(4) Benzaldehyde

7.321min (-0.006) 107.33ng/ul m U.M
05/13/16

response 50707

Ion	Exp%	Act%
77.00	100	100
105.00	85.60	113.27#
106.00	81.20	121.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

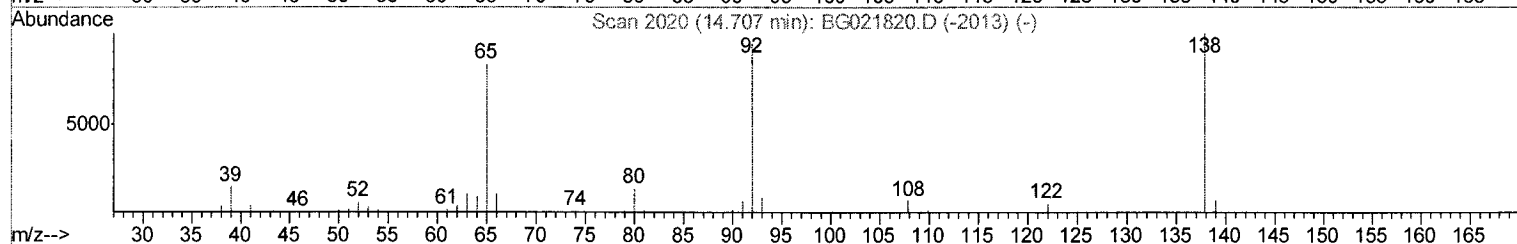
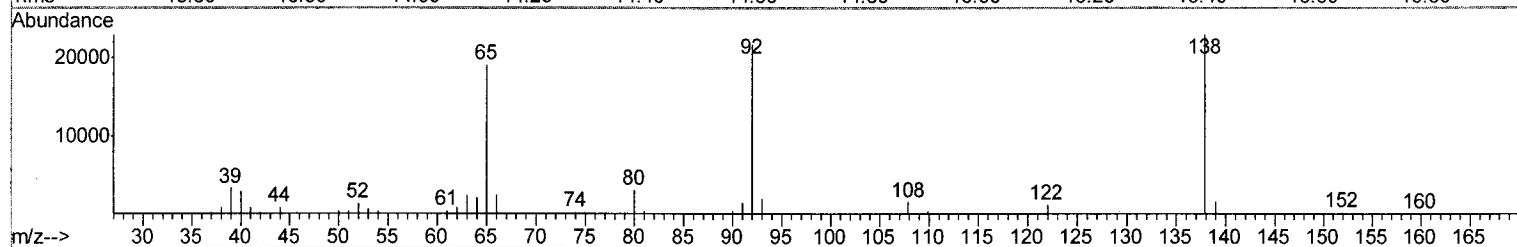
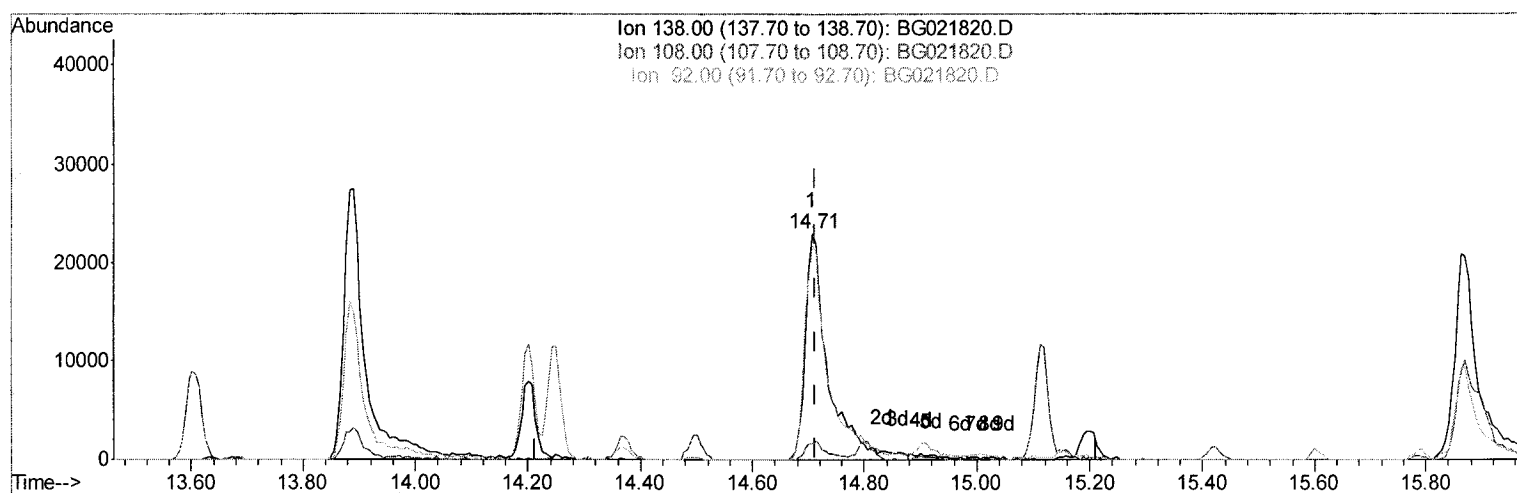
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
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Quant Time: May 11 05:16:10 2016
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TIC: BG021820.D

(49) 3-Nitroaniline

14.707min (-0.006) 21.11ng/ul m UM

response 64881

05/13/16

Ion	Exp%	Act%
138.00	100	100
108.00	13.70	7.33#
92.00	144.40	94.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

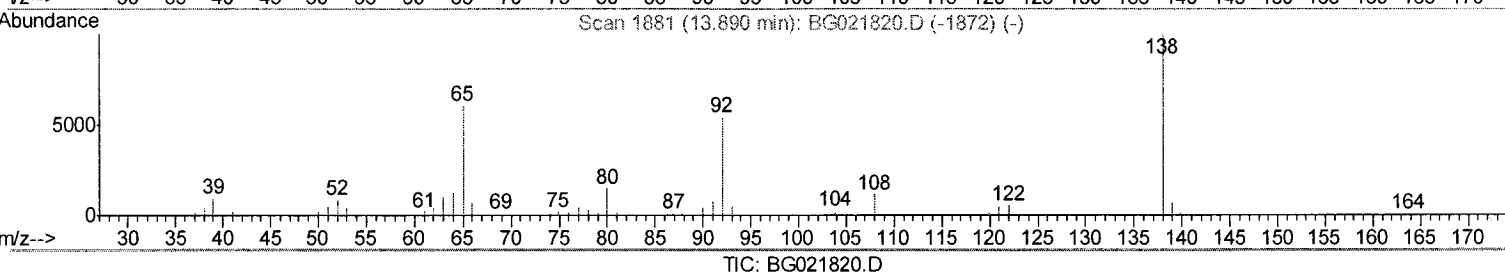
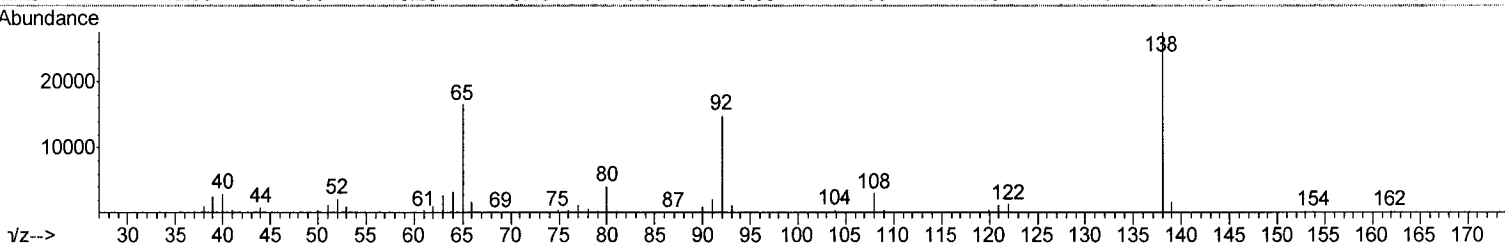
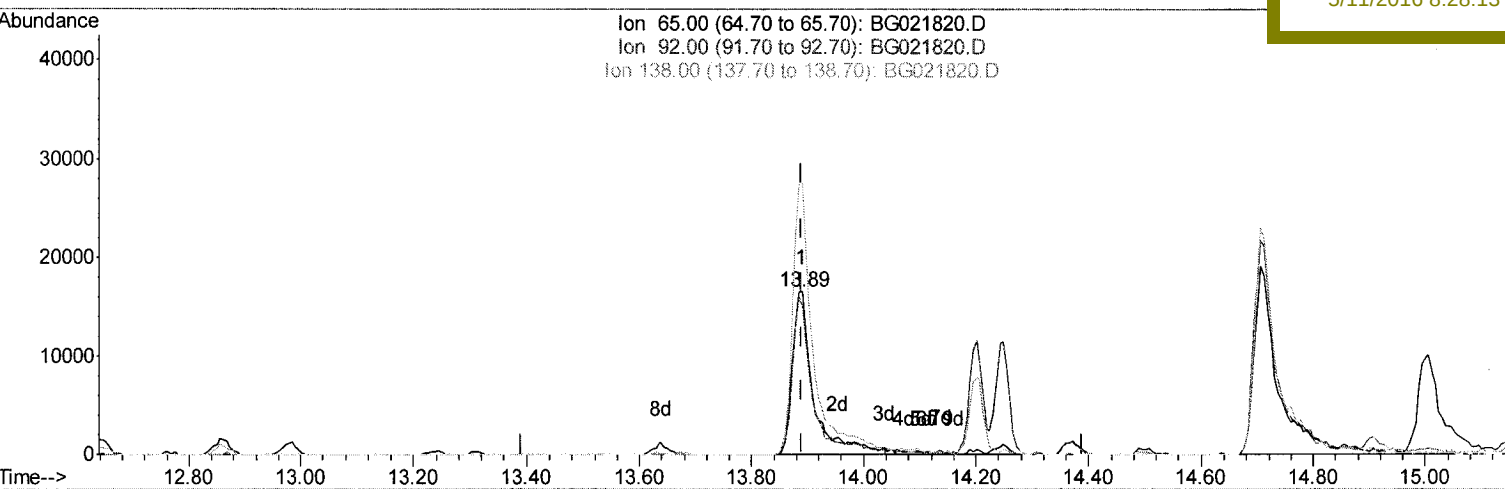
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
Data File : BG021820.D
Acq On : 10 May 2016 17:22
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02014

Quant Time: May 11 05:16:10 2016
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Manual Integrations
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(43) 2-Nitroaniline

13.890min (-0.000) 23.08ng/ul m U.M

response 43069

Ion	Exp%	Act%
65.00	100	100
92.00	60.60	90.27#
138.00	74.70	165.43#
0.00	0.00	0.00

05/13/16

Quantitation Report (Qedit)

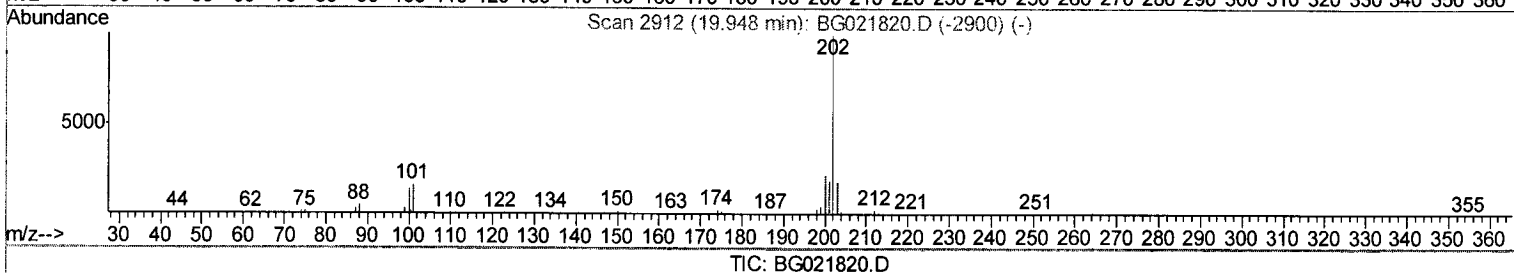
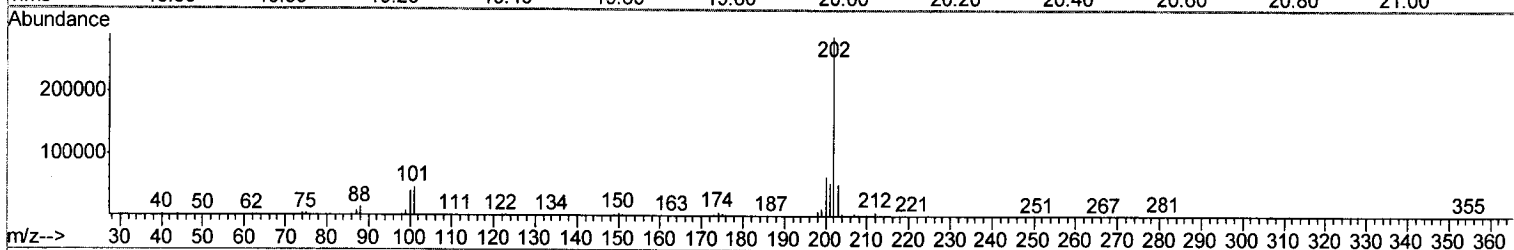
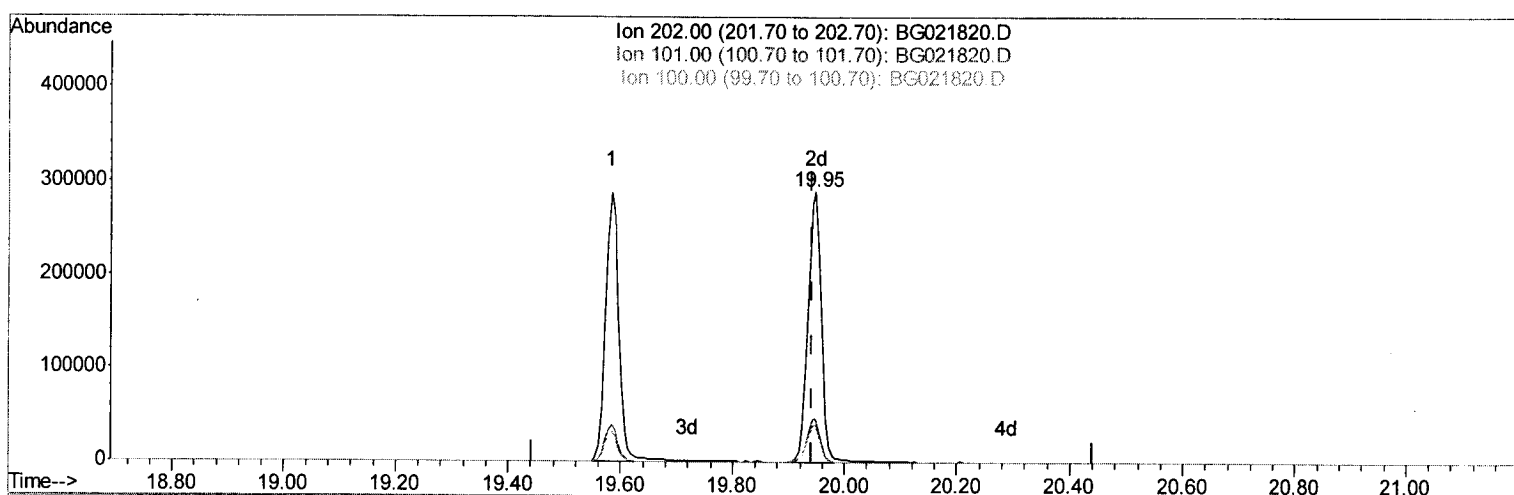
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
 APPROVED

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Quant Time: May 11 05:16:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
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 Response via : Initial Calibration



(78) Pyrene

19.948min (+0.006) 21.12ng/ul m *UM*
05/13/16
 response 475744

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	16.05#
100.00	11.60	13.44
0.00	0.00	0.00

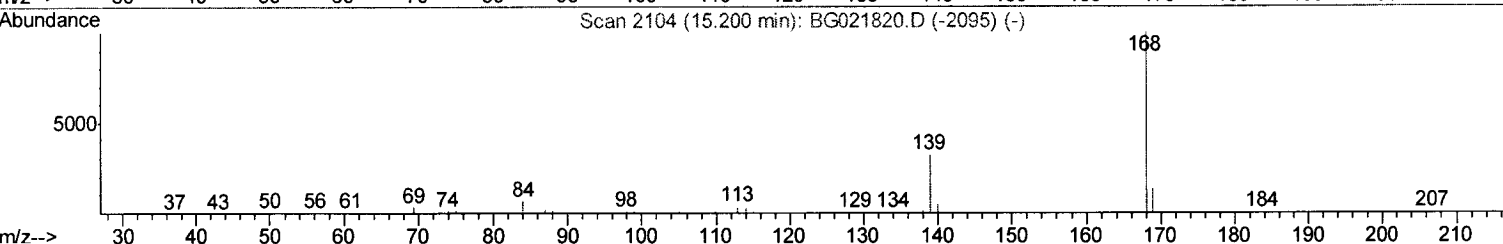
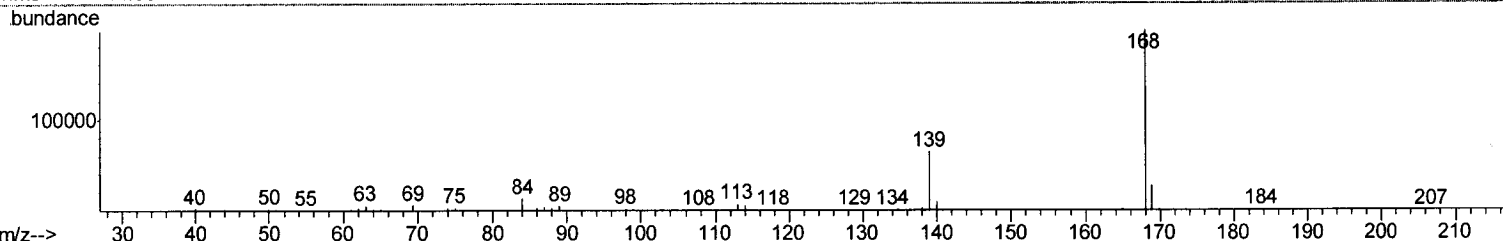
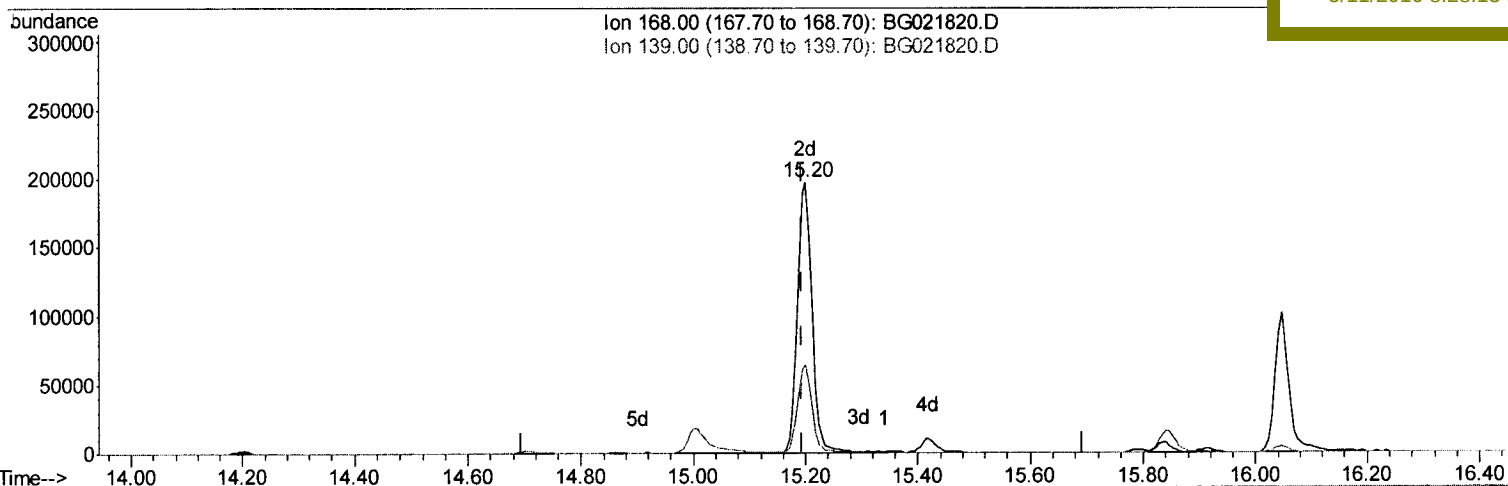
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
Data File : BG021820.D
Acq On : 10 May 2016 17:22
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02014

Manual Integrations
APPROVED

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TIC: BG021820.D

(54) Dibenzofuran

15.200min (+0.006) 19.46ng/ul m U.M

response 355725

05/13/16

Ion	Exp%	Act%
168.00	100	100
139.00	44.00	32.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

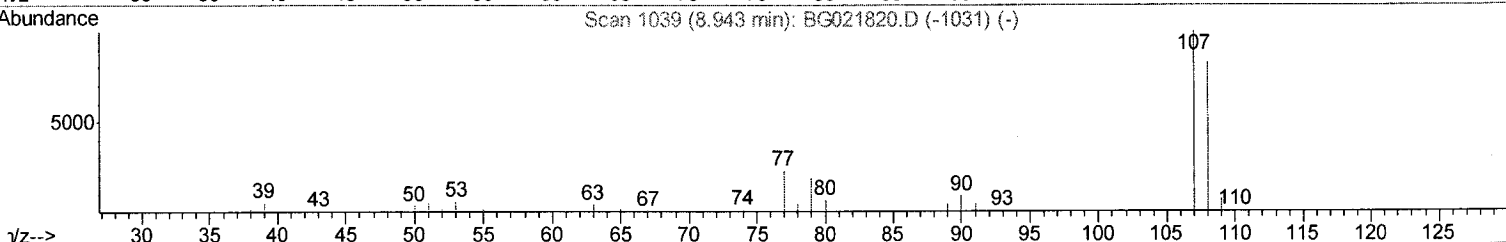
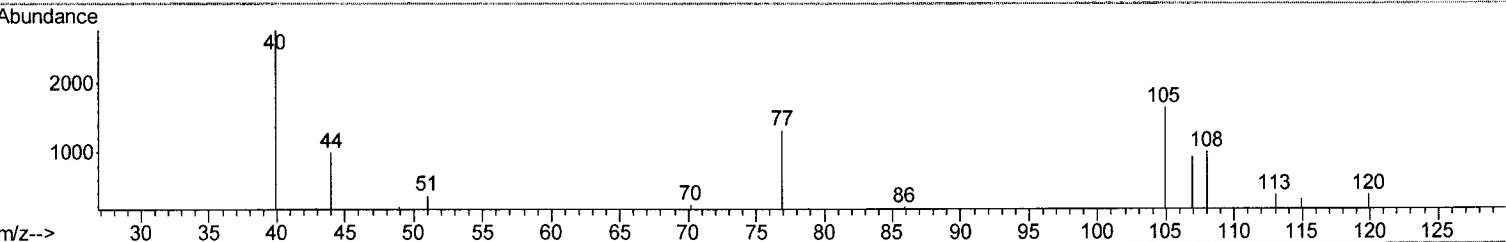
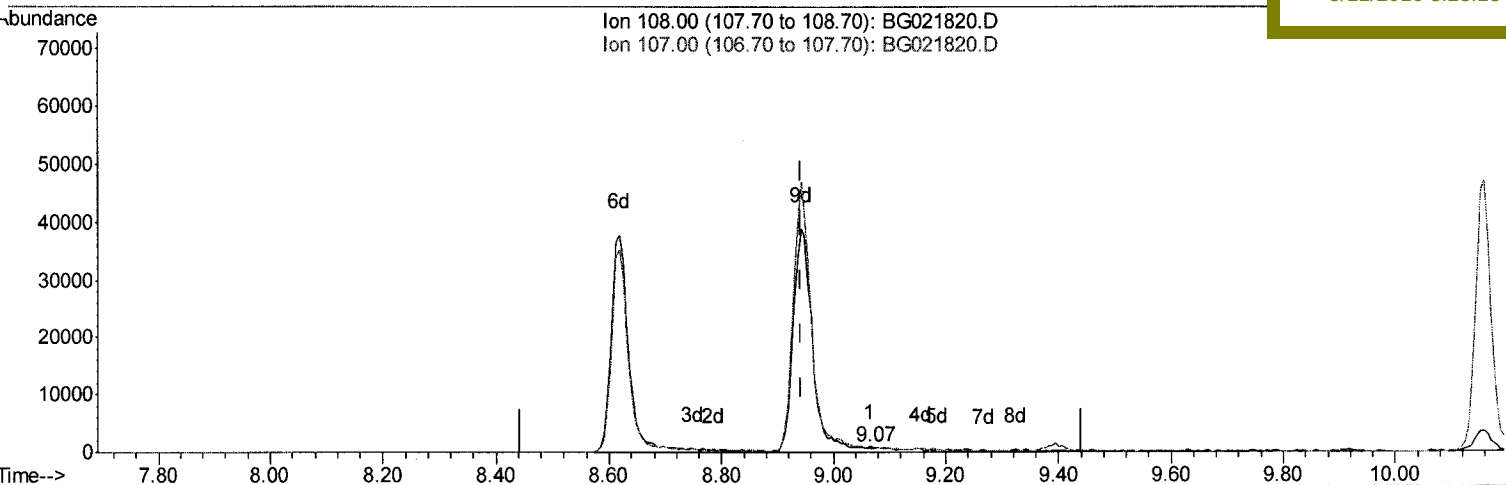
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

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Manual Integrations
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TIC: BG021820.D

(16) 4-Methylphenol

9.066min (+0.123) 0.03ng/ul

response 128

Ion	Exp%	Act%
108.00	100	100
107.00	99.70	93.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

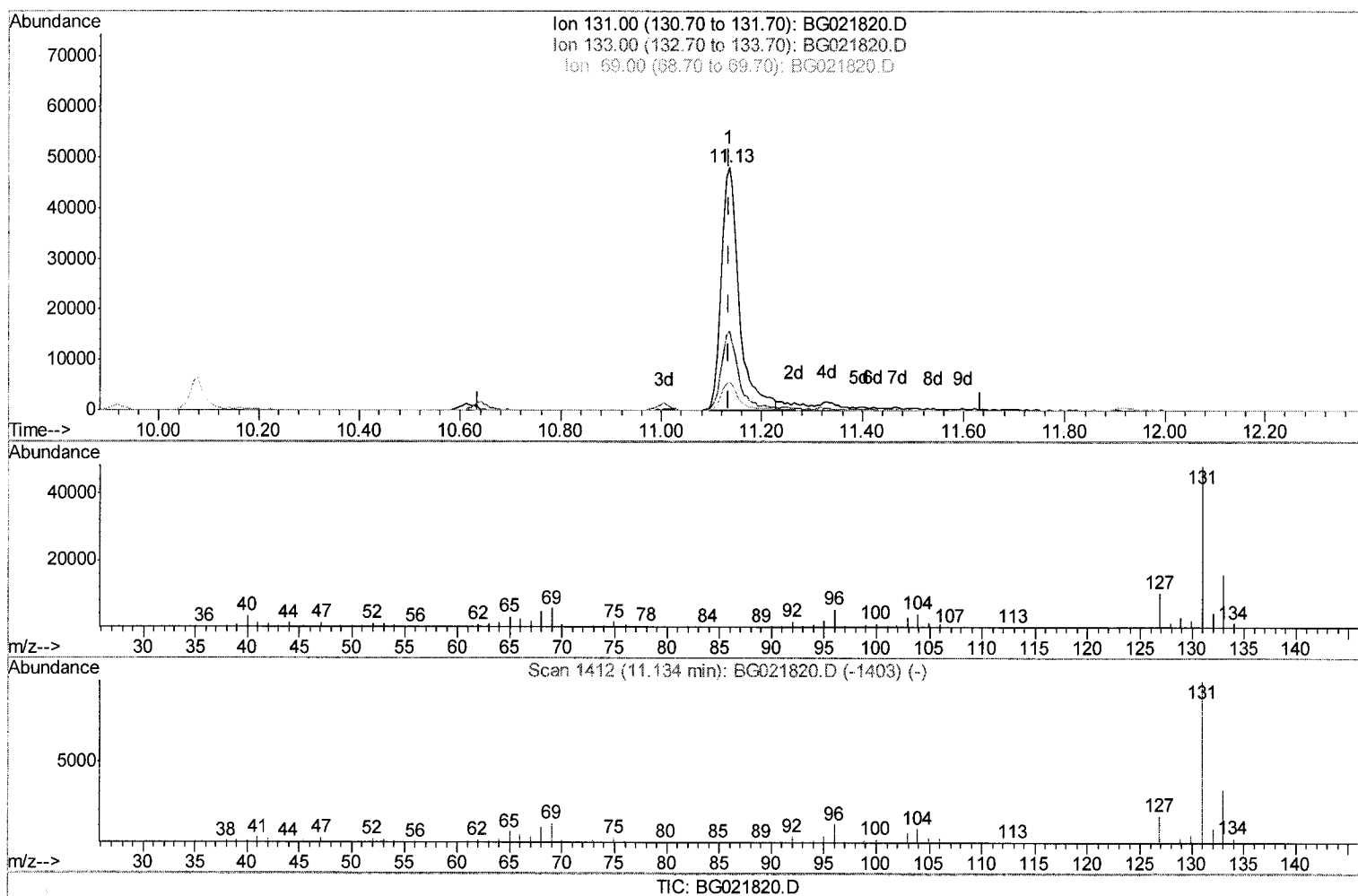
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
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 ALS Vial : 2 Sample Multiplier: 1

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Manual Integrations
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(29) 4-Chloroaniline-d4 (S)

11.134min (-0.000) 28.99ng/ul

response 118659

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	32.92
69.00	23.00	11.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

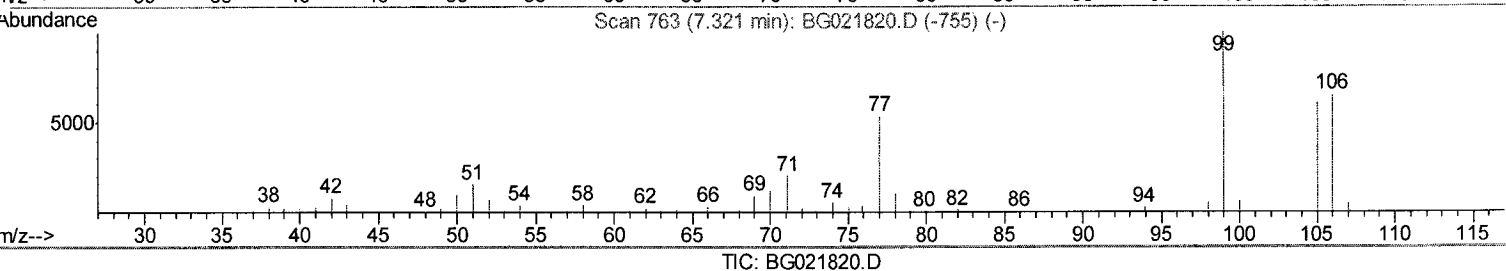
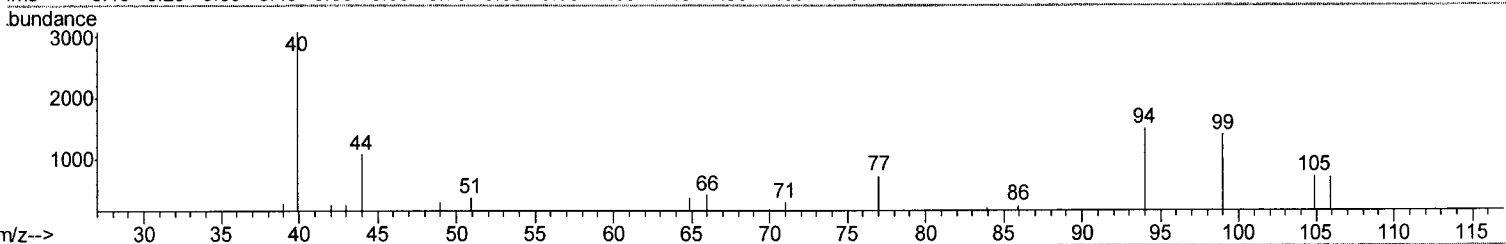
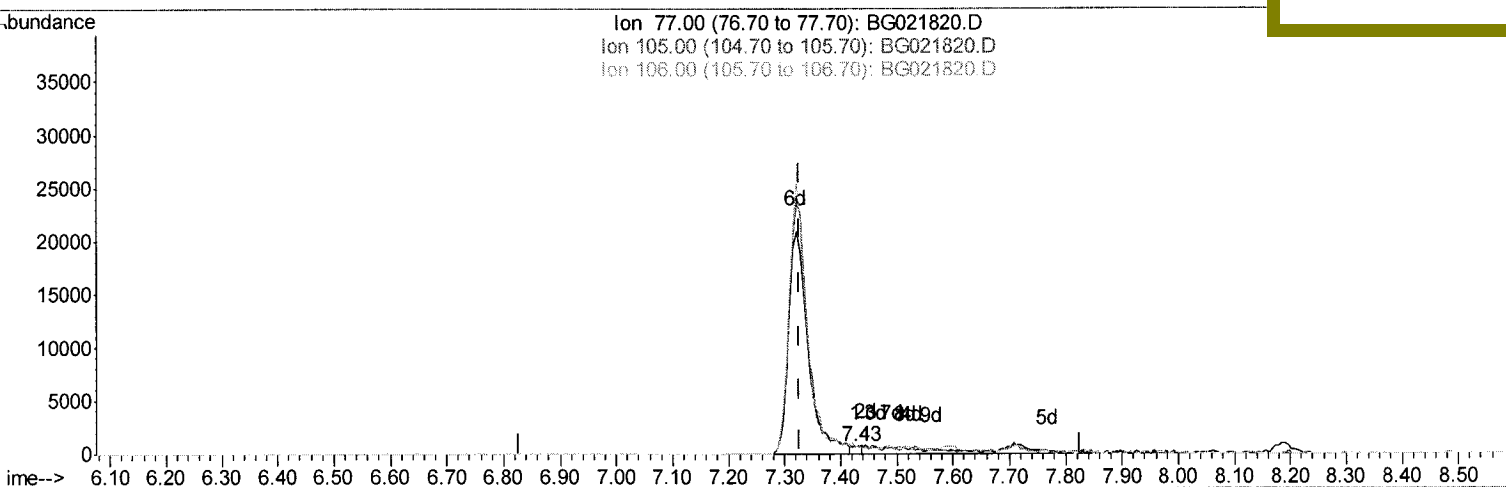
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(4) Benzaldehyde

7.427min (+0.100) 1.99ng/ul

response 942

Ion	Exp%	Act%
77.00	100	100
105.00	85.60	99.72
106.00	81.20	96.95
0.00	0.00	0.00

Quantitation Report (Qedit)

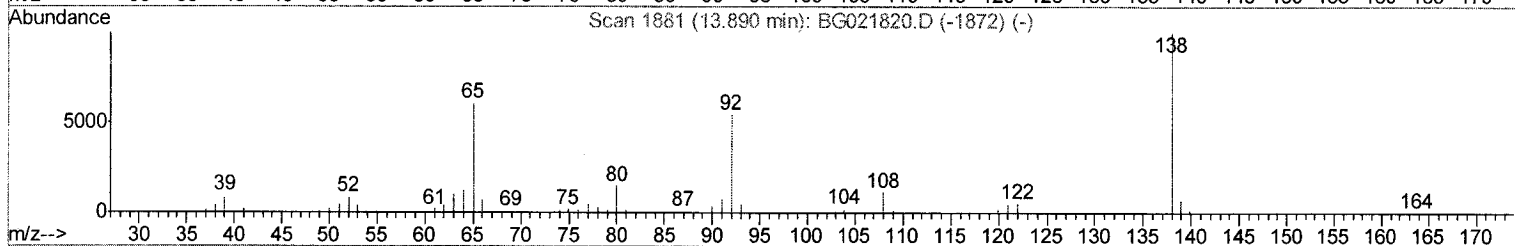
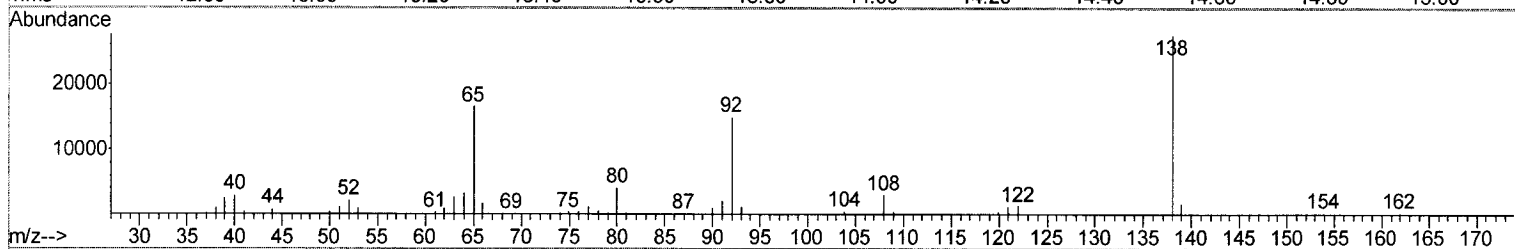
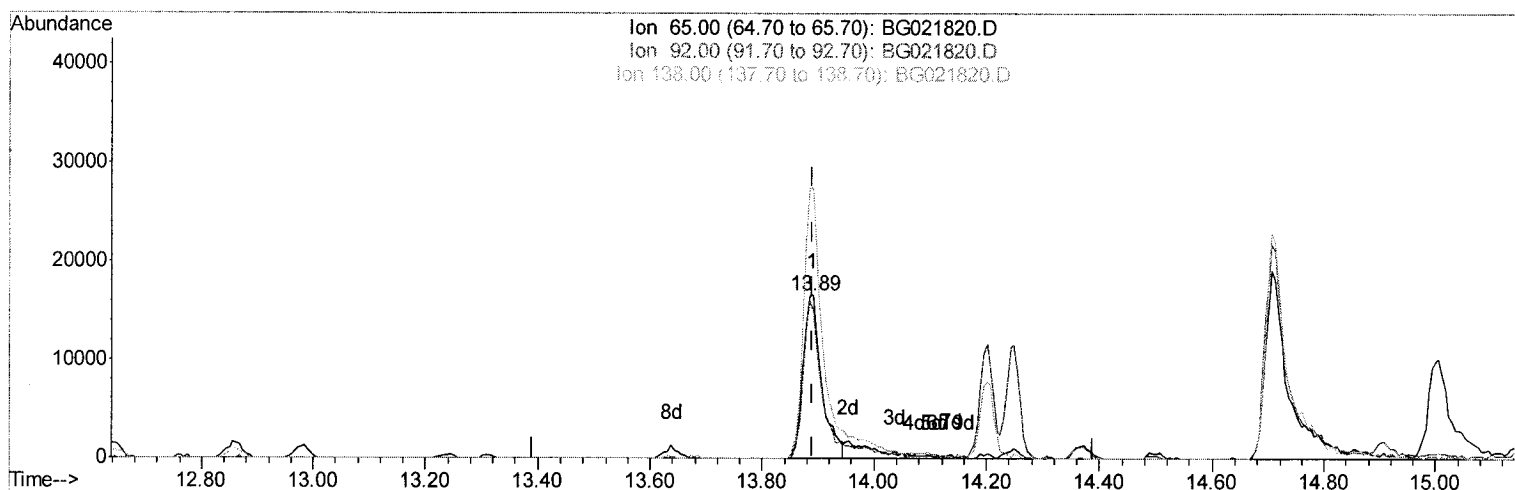
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Sample : SSTDCCC020
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TIC: BG021820.D

(43) 2-Nitroaniline

13.890min (-0.000) 20.07ng/ul

response 37447

Ion	Exp%	Act%
65.00	100	100
92.00	60.60	90.27#
138.00	74.70	165.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

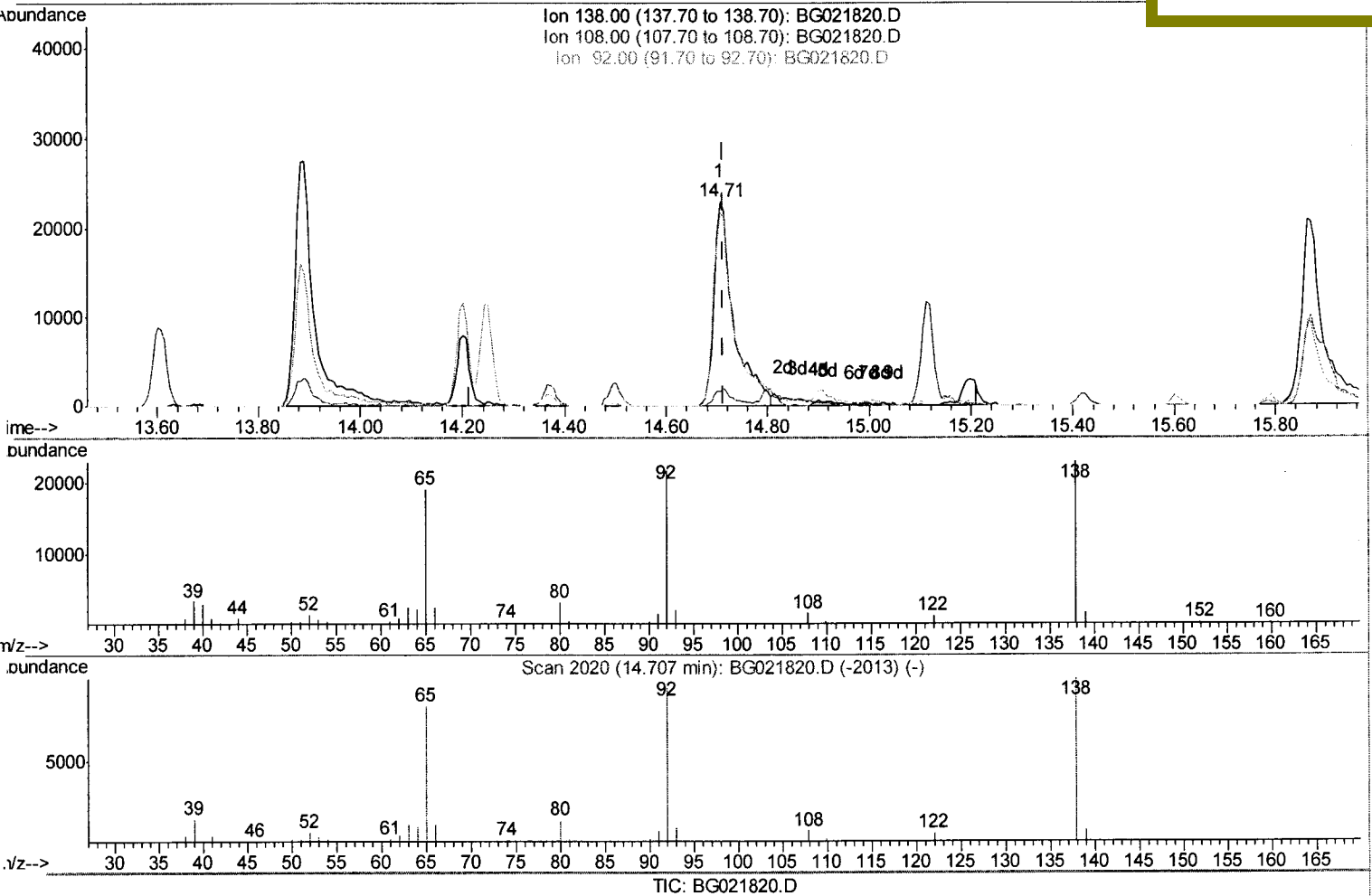
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(49) 3-Nitroaniline

14.707min (-0.006) 20.04ng/ul

response 61574

Ion	Exp%	Act%
138.00	100	100
108.00	13.70	7.33#
92.00	144.40	94.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

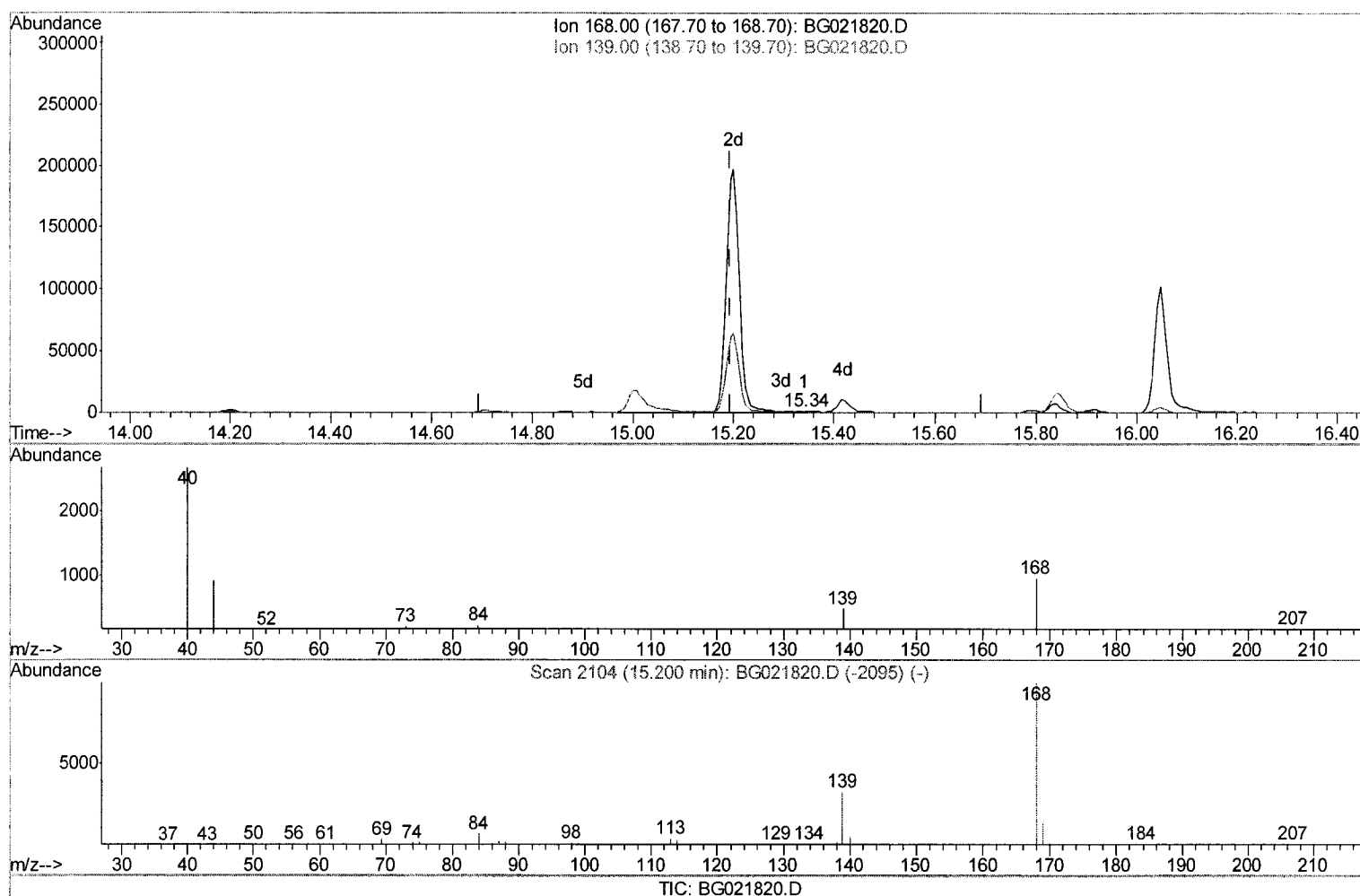
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
 APPROVED

sohil
 5/11/2016 8:28:13 PM

Quant Time: May 11 19:47:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration



(54) Dibenzofuran

15.341min (+0.147) 0.04ng/ul

response 708

Ion	Exp%	Act%
168.00	100	100
139.00	44.00	50.58
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
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 5/11/2016 8:28:13 PM

Quant Time: May 11 05:16:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	58571	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	323632	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	191993	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	395163	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	389287	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	367844	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	9150	7.54	ng/uL	0.00
5) Phenol-d5	7.33	99	94281	21.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	46543	21.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	83885	24.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	85034	23.29	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	44909	21.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	39998	29.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.62	165	89429	23.53	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	120946m	29.54	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	278635	20.66	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	387430	20.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	44336	19.18	ng/ul	0.00
58) Fluorene-d10	15.79	176	258067	18.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	28595	26.12	ng/ul	0.00
71) Anthracene-d10	17.64	188	371364	19.31	ng/ul	0.00
77) Pyrene-d10	19.92	212	374944	20.58	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	346931	19.85	ng/ul	0.00

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 5/13/16

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.61	88	16781	7.46	ng/uL#	69
4) Benzaldehyde	7.32	77	50707m	107.33	ng/ul	
6) Phenol	7.36	94	96055	20.78	ng/ul#	71
8) Bis(2-Chloroethyl)ether	7.60	93	73139	19.44	ng/ul#	77
10) 2-Chlorophenol	7.74	128	86103m	25.32	ng/ul	
11) 2-Methylphenol	8.62	108	80474	22.14	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.71	45	76120	23.04	ng/ul#	84
14) Acetophenone	9.01	105	126557	21.04	ng/ul#	70
15) N-Nitroso-di-n-propylamine	8.98	70	59374	21.85	ng/ul#	76
16) 4-Methylphenol	8.94	108	93349m	23.26	ng/ul	
17) Hexachloroethane	9.27	117	32481	21.56	ng/ul	95
20) Nitrobenzene	9.39	77	83265	20.24	ng/ul#	72
21) Isophorone	9.91	82	184402	19.30	ng/ul#	86
23) 2-Nitrophenol	10.11	139	44835	27.65	ng/ul#	56
24) 2,4-Dimethylphenol	10.16	107	92471	22.79	ng/ul#	70
25) Bis(2-Chloroethoxy)methane	10.39	93	112022	19.53	ng/ul#	93
27) 2,4-Dichlorophenol	10.64	162	90172	23.29	ng/ul	93
28) Naphthalene	11.05	128	320818	19.77	ng/ul	98
30) 4-Chloroaniline	11.16	127	116549	28.12	ng/ul	97
31) Hexachlorobutadiene	11.33	225	52263	19.99	ng/ul	98
32) Caprolactam	11.91	113	32762	20.01	ng/ul#	48
33) 4-Chloro-3-methylphenol	12.26	107	82828	21.16	ng/ul#	69
34) 2-Methylnaphthalene	12.64	142	238443	19.96	ng/ul	98

U.M
 5/13/16

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
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 5/11/2016 8:28:13 PM

Quant Time: May 11 05:16:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.86	142	233935	19.74	ng/ul#	98
37) 1,2,4,5-Tetrachlorobenzene	13.00	216	115183	21.63	ng/ul#	93
38) Hexachlorocyclopentadiene	12.98	237	54439	20.11	ng/ul#	96
39) 2,4,6-Trichlorophenol	13.24	196	70269	27.64	ng/ul	89
40) 2,4,5-Trichlorophenol	13.31	196	79588	22.36	ng/ul	95
41) 1,1'-Biphenyl	13.64	154	310481	20.76	ng/ul	96
42) 2-Chloronaphthalene	13.68	162	233554	20.59	ng/ul	95
43) 2-Nitroaniline	13.89	65	43069m	23.08	ng/ul	
45) Dimethylphthalate	14.25	163	278956	20.31	ng/ul	98
46) 2,6-Dinitrotoluene	14.37	165	57240	21.11	ng/ul#	64
48) Acenaphthylene	14.52	152	403293	20.53	ng/ul	98
49) 3-Nitroaniline	14.71	138	64881m	21.11	ng/ul	
50) Acenaphthene	14.87	153	271931	19.95	ng/ul	97
51) 2,4-Dinitrophenol	14.91	184	14824	24.12	ng/ul#	58
53) 4-Nitrophenol	15.01	109	17598	16.71	ng/ul#	32
54) Dibenzofuran	15.20	168	355725m	19.46	ng/ul	
55) 2,4-Dinitrotoluene	15.15	165	76822	20.47	ng/ul#	57
56) 2,3,4,6-Tetrachlorophenol	15.42	232	63645	25.32	ng/ul#	82
57) Diethylphthalate	15.61	149	278523	20.79	ng/ul	97
59) Fluorene	15.85	166	296850	18.78	ng/ul	97
60) 4-Chlorophenyl-phenylether	15.83	204	137488	19.28	ng/ul#	87
61) 4-Nitroaniline	15.86	138	60398	17.20	ng/ul#	46
64) 4,6-Dinitro-2-methylphenol	15.92	198	32031	26.85	ng/ul#	79
65) N-Nitrosodiphenylamine	16.05	169	244579	21.20	ng/ul	90
66) 4-Bromophenyl-phenylether	16.73	248	85642	20.70	ng/ul#	79
67) Hexachlorobenzene	16.85	284	100038	20.98	ng/ul#	79
68) Atrazine	16.99	200	80426	24.26	ng/ul	98
69) Pentachlorophenol	17.19	266	45951	25.23	ng/ul	93
70) Phenanthrene	17.59	178	435714	20.17	ng/ul	97
72) Anthracene	17.67	178	438545	19.99	ng/ul	99
73) Carbazole	17.94	167	399039	20.97	ng/ul	96
74) Di-n-butylphthalate	18.49	149	459157	26.56	ng/ul#	96
75) Fluoranthene	19.58	202	468997	19.11	ng/ul#	93
78) Pyrene	19.95	202	475744m	21.12	ng/ul	
79) Butylbenzylphthalate	20.82	149	182949	36.75	ng/ul#	82
80) 3,3'-Dichlorobenzidine	21.72	252	154648	24.04	ng/ul	97
81) Benzo(a)anthracene	21.80	228	439607	20.29	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.70	149	286366	35.23	ng/ul	97
83) Chrysene	21.87	228	428379	19.99	ng/ul	97
85) Di-n-octyl phthalate	22.95	149	471417	31.09	ng/ul	100
86) Benzo(b)fluoranthene	24.10	252	438951	20.85	ng/ul#	96
87) Benzo(k)fluoranthene	24.17	252	428360	19.00	ng/ul#	96
89) Benzo(a)pyrene	25.00	252	421484	20.11	ng/ul#	96
90) Indeno(1,2,3-cd)pyrene	28.97	276	513841	20.69	ng/ul#	94
91) Dibenzo(a,h)anthracene	29.04	278	420478	20.34	ng/ul#	95
92) Benzo(g,h,i)perylene	30.16	276	423326	20.65	ng/ul#	86

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

Quantitation Report (Qedit)

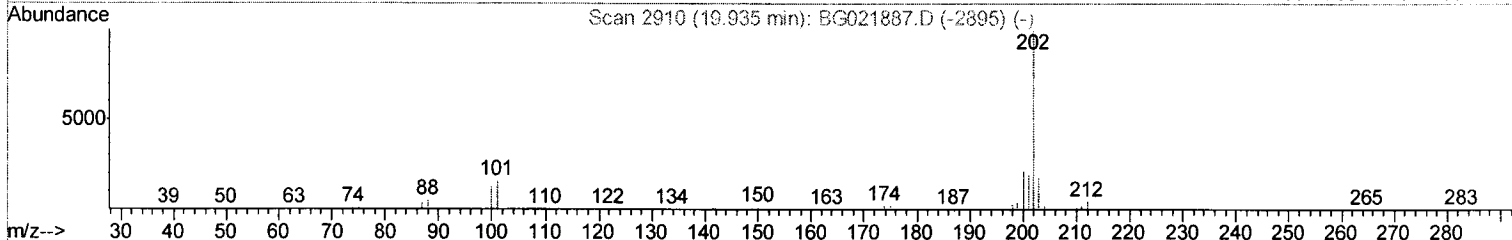
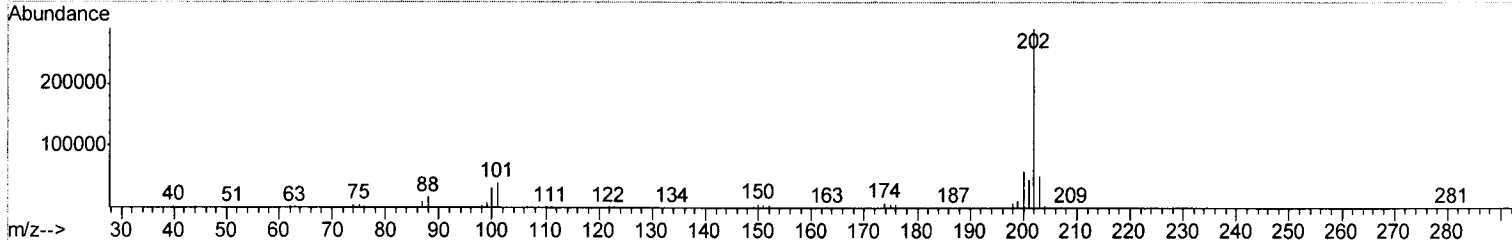
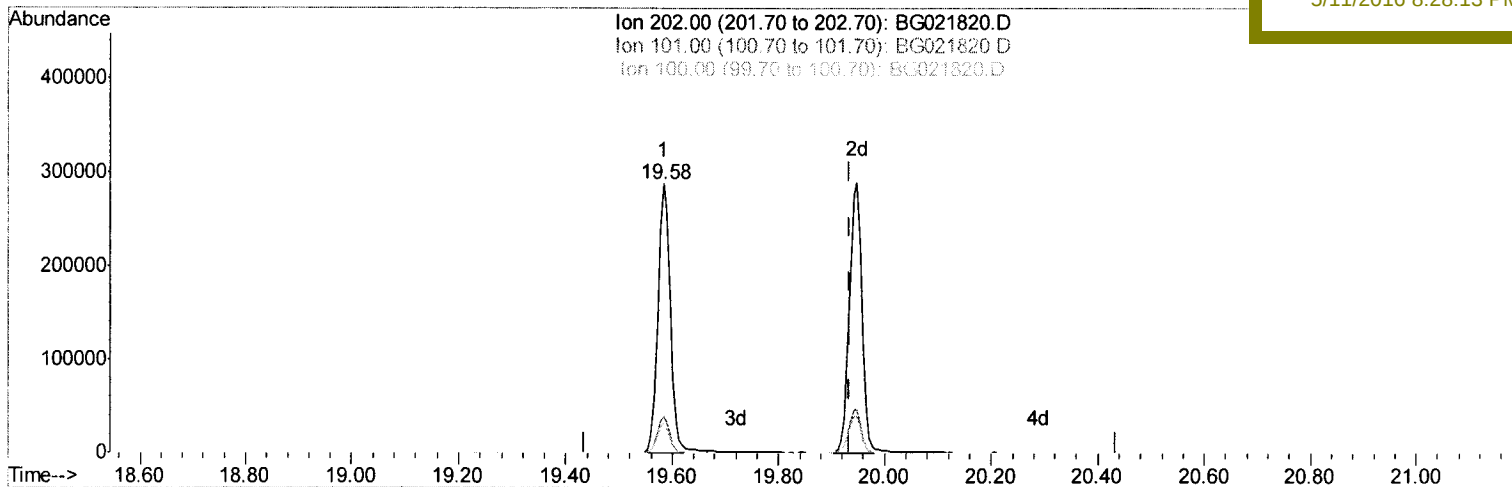
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021820.D
 Acq On : 10 May 2016 17:22
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 05:52:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 LabSampleId :
 SSTD02014

Manual Integrations
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sohil
 5/11/2016 8:28:13 PM



TIC: BG021820.D

(78) Pyrene

19.583min (-0.351) 20.82ng/ul

response 468997

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.89
100.00	11.60	10.85
0.00	0.00	0.00