

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023675.D
 Acq On : 13 Aug 2016 3:15
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02031

Quant Time: Aug 13 03:53:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	146124	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	699069	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	493531	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.55	188	1128719	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	1065030	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	1083516	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	25293	7.36	ng/uL	0.00
5) Phenol-d5	7.27	99	291583	19.81	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	190548	20.20	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	204866	20.40	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	238890	20.79	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	110145	19.99	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.03	143	133814	21.14	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.57	165	246189	20.62	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	323514	23.10	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	816263	20.20	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	963699	21.19	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	138348	20.06	ng/ul	-0.02
57) Fluorene-d10	15.78	176	733419	19.64	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	144820	20.00	ng/ul	-0.01
70) Anthracene-d10	17.65	188	1072658	21.09	ng/ul	-0.01
76) Pyrene-d10	19.94	212	1085102	20.13	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.05	264	1027909	20.96	ng/ul	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	27918	7.74	ng/uL#	89
4) Benzaldehyde	7.24	77	201067	22.41	ng/ul#	82
6) Phenol	7.30	94	304885	19.89	ng/ul#	71
8) Bis(2-Chloroethyl)ether	7.52	93	222053	19.95	ng/ul#	87
10) 2-Chlorophenol	7.67	128	206394	20.18	ng/ul#	85
11) 2-Methylphenol	8.56	108	232141	20.11	ng/ul	91
12) 2,2'-oxybis(1-Chloropropan	8.65	45	314387	20.65	ng/ul	99
14) Acetophenone	8.95	105	382696	20.76	ng/ul#	81
15) N-Nitroso-di-n-propylamine	8.92	70	221866	20.01	ng/ul#	84
16) 4-Methylphenol	8.89	108	258617	19.99	ng/ul	97
17) Hexachloroethane	9.20	117	89464	20.27	ng/ul#	89
20) Nitrobenzene	9.33	77	318390	19.71	ng/ul#	86
21) Isophorone	9.86	82	600500	20.21	ng/ul#	92
23) 2-Nitrophenol	10.06	139	135052	19.77	ng/ul#	65
25) Bis(2-Chloroethoxy)methane	10.34	93	331286	19.33	ng/ul#	98
27) 2,4-Dichlorophenol	10.60	162	240634	19.99	ng/ul	93
28) Naphthalene	11.00	128	723051	20.37	ng/ul	99
30) 4-Chloroaniline	11.11	127	318059	22.88	ng/ul	97
31) Hexachlorobutadiene	11.28	225	163050	20.34	ng/ul	98
32) Caprolactam	11.88	113	86558	17.31	ng/ul#	50
33) 4-Chloro-3-methylphenol	12.24	107	321254	20.74	ng/ul	84
34) 2-Methylnaphthalene	12.61	142	585206	20.34	ng/ul	96
36) 1,2,4,5-Tetrachlorobenzene	12.98	216	326047	21.52	ng/ul	96

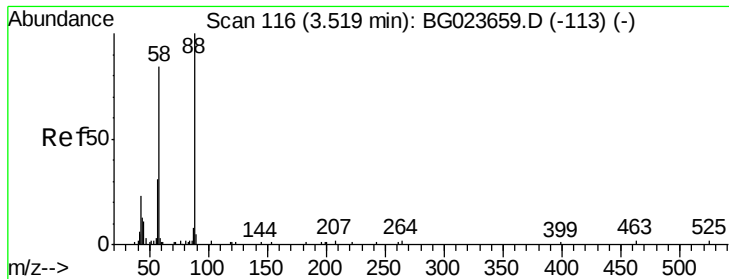
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023675.D
 Acq On : 13 Aug 2016 3:15
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Hexachlorocyclopentadiene	12.95	237	117576	14.03	ng/ul	96
38) 2,4,6-Trichlorophenol	13.22	196	225188	21.46	ng/ul	98
39) 2,4,5-Trichlorophenol	13.30	196	240718	21.40	ng/ul	95
40) 1,1'-Biphenyl	13.61	154	763611	21.06	ng/ul	98
41) 2-Chloronaphthalene	13.66	162	599999	21.27	ng/ul	97
42) 2-Nitroaniline	13.87	65	250296	21.74	ng/ul#	65
44) Dimethylphthalate	14.23	163	790640	19.76	ng/ul	99
45) 2,6-Dinitrotoluene	14.36	165	183537	21.16	ng/ul#	82
47) Acenaphthylene	14.51	152	993963	20.90	ng/ul	99
48) 3-Nitroaniline	14.70	138	176469	21.64	ng/ul#	55
49) Acenaphthene	14.85	153	668321	20.62	ng/ul	96
50) 2,4-Dinitrophenol	14.91	184	87030	16.26	ng/ul#	79
52) 4-Nitrophenol	15.02	109	129083	18.68	ng/ul#	74
53) Dibenzofuran	15.18	168	956504	19.92	ng/ul#	87
54) 2,4-Dinitrotoluene	15.16	165	260959	19.85	ng/ul#	73
55) 2,3,4,6-Tetrachlorophenol	15.42	232	230120	19.91	ng/ul	97
56) Diethylphthalate	15.60	149	832139	19.90	ng/ul	95
58) Fluorene	15.84	166	784791	19.62	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.83	204	396684	19.71	ng/ul	96
60) 4-Nitroaniline	15.87	138	188325	19.91	ng/ul#	68
63) 4,6-Dinitro-2-methylphenol	15.93	198	148865	19.58	ng/ul#	94
64) N-Nitrosodiphenylamine	16.04	169	716190	22.71	ng/ul	97
65) 4-Bromophenyl-phenylether	16.73	248	272931	21.09	ng/ul	99
66) Hexachlorobenzene	16.85	284	297235	21.56	ng/ul	95
67) Atrazine	16.99	200	290898	22.33	ng/ul	98
68) Pentachlorophenol	17.21	266	150734	19.81	ng/ul	90
69) Phenanthrene	17.60	178	1222366	20.91	ng/ul	97
71) Anthracene	17.69	178	1273872	21.36	ng/ul	97
72) Carbazole	17.96	167	1075880	22.38	ng/ul	96
73) Di-n-butylphthalate	18.50	149	1352698	22.47	ng/ul#	94
74) Fluoranthene	19.61	202	1339539	22.38	ng/ul#	93
77) Pyrene	19.97	202	1364925	20.73	ng/ul#	92
79) 3,3'-Dichlorobenzidine	21.76	252	474528	25.29	ng/ul#	98
80) Benzo(a)anthracene	21.86	228	1290861	21.52	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	816617	24.32	ng/ul#	98
82) Chrysene	21.93	228	1166303	21.39	ng/ul	95
84) Di-n-octyl phthalate	23.00	149	1372286	25.08	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	1295412	21.02	ng/ul#	93
86) Benzo(k)fluoranthene	24.27	252	1230294	20.28	ng/ul#	92
88) Benzo(a)pyrene	25.12	252	1251169	21.03	ng/ul#	95
90) Dibenzo(a,h)anthracene	29.25	278	1267049	21.25	ng/ul#	91

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



#2

1,4-Dioxane

Concen: 7.74 ng/uL

RT: 3.52 min Scan# 116

Delta R.T. -0.00 min

Lab File: BG023675.D

Acq: 13 Aug 2016 3:15

Instrument :

BNA_G

ClientSampleId :

SSTD02031

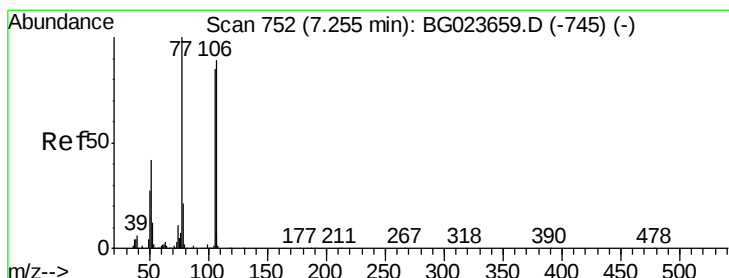
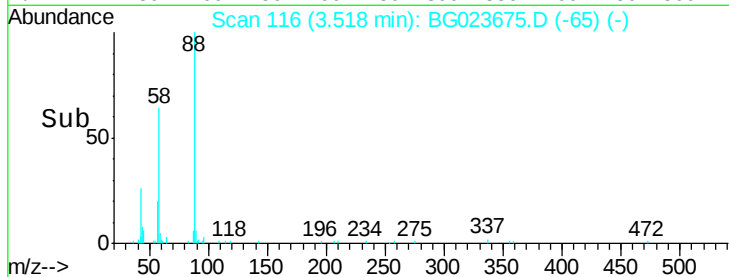
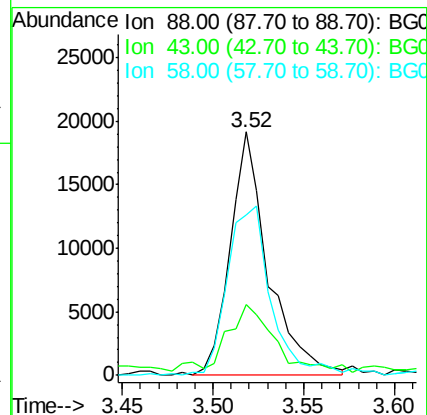
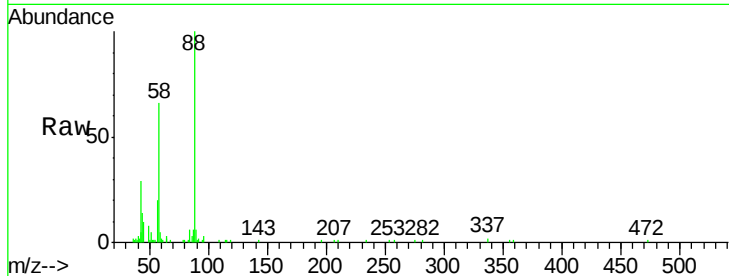
Tgt Ion: 88 Resp: 27918

Ion Ratio Lower Upper

88 100

43 28.9 16.6 24.8#

58 65.9 47.2 70.8



#4

Benzaldehyde

Concen: 22.41 ng/uL

RT: 7.24 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG023675.D

Acq: 13 Aug 2016 3:15

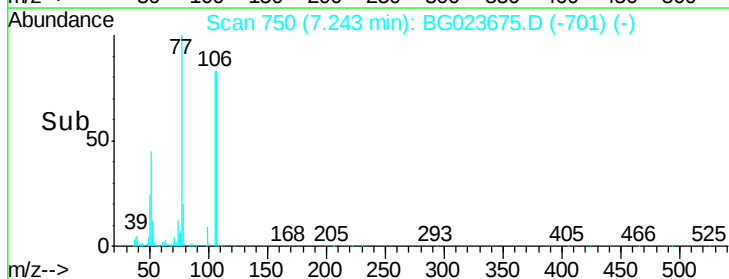
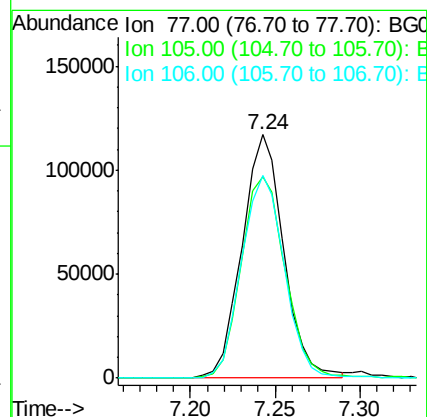
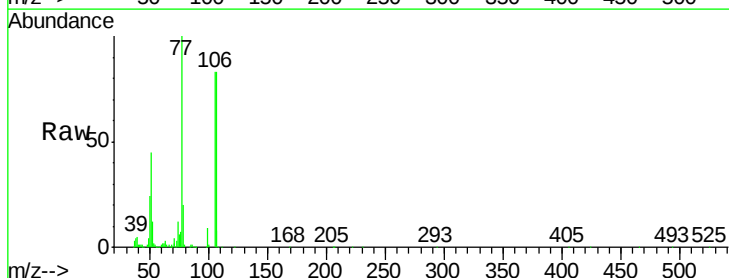
Tgt Ion: 77 Resp: 201067

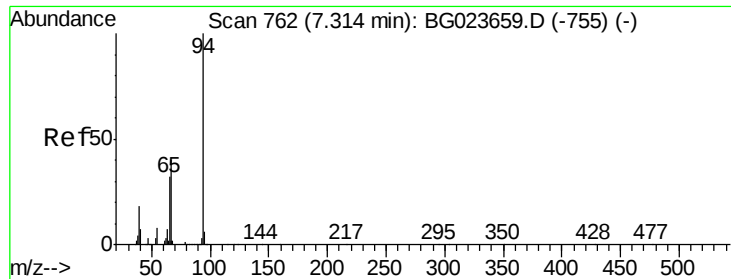
Ion Ratio Lower Upper

77 100

105 82.8 83.8 125.8#

106 83.0 77.9 116.9





#6

Phenol

Concen: 19.89 ng/ul

RT: 7.30 min Scan# 759

Delta R.T. -0.02 min

Lab File: BG023675.D

Acq: 13 Aug 2016 3:15

Instrument :

BNA_G

ClientSampleId :

SSTD02031

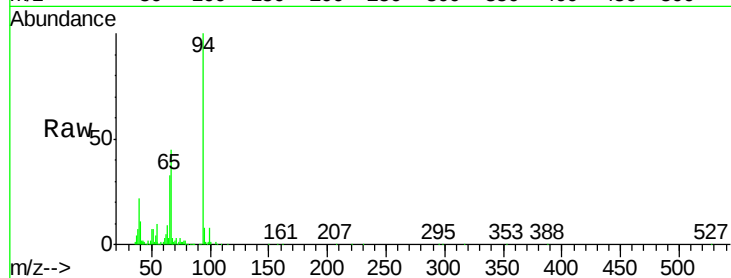
Tgt Ion: 94 Resp: 304885

Ion Ratio Lower Upper

94 100

65 33.1 16.8 25.2#

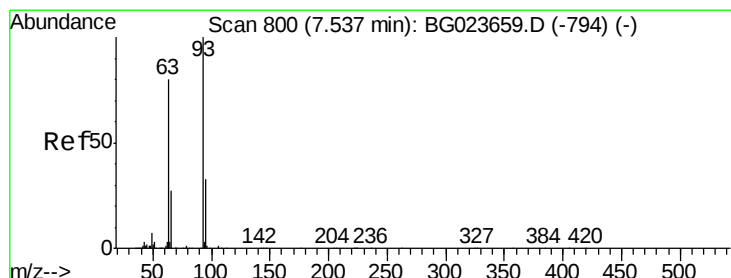
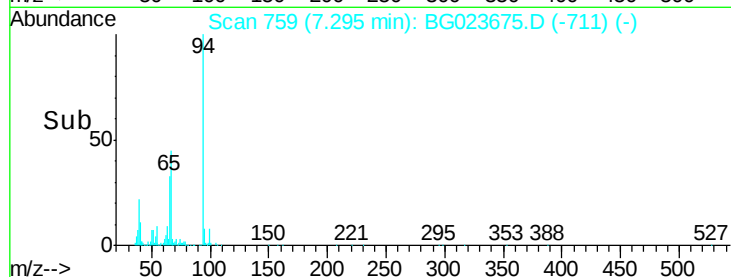
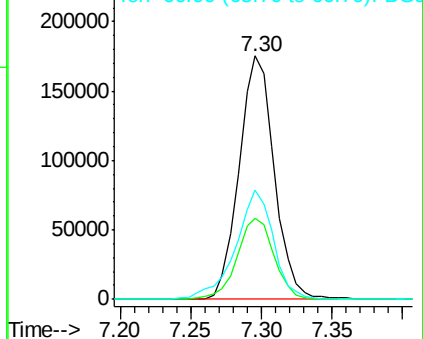
66 44.7 22.6 33.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 19.95 ng/ul

RT: 7.52 min Scan# 798

Delta R.T. -0.01 min

Lab File: BG023675.D

Acq: 13 Aug 2016 3:15

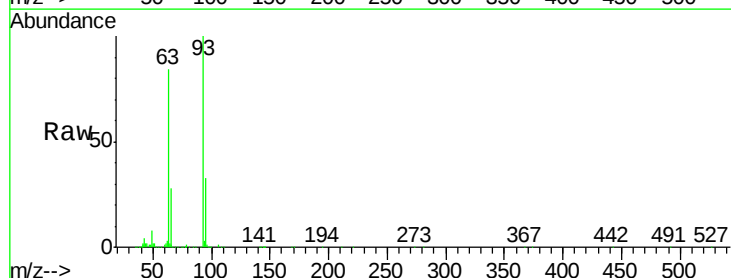
Tgt Ion: 93 Resp: 222053

Ion Ratio Lower Upper

93 100

63 84.1 56.0 84.0#

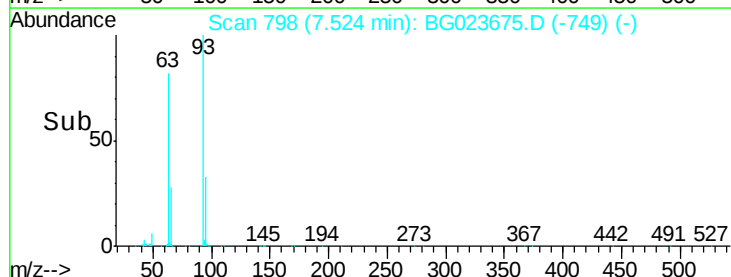
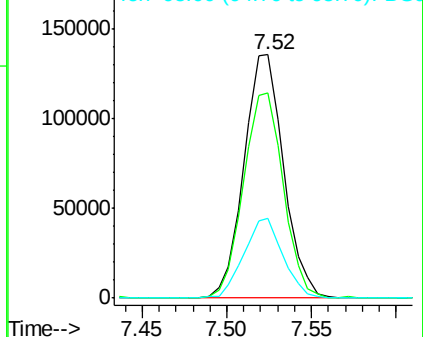
95 32.8 27.7 41.5

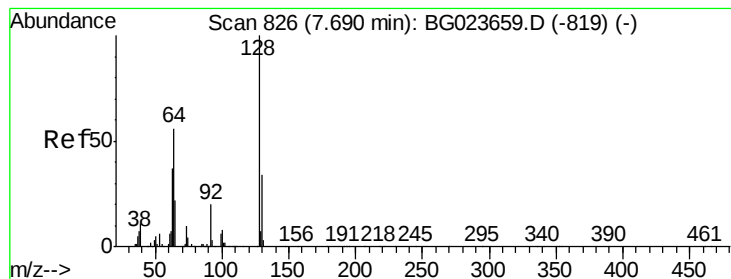


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#10

2-Chlorophenol

Concen: 20.18 ng/ul

RT: 7.67 min Scan# 823

Delta R.T. -0.02 min

Lab File: BG023675.D

Acq: 13 Aug 2016 3:15

Instrument :

BNA_G

ClientSampleId :

SSTD02031

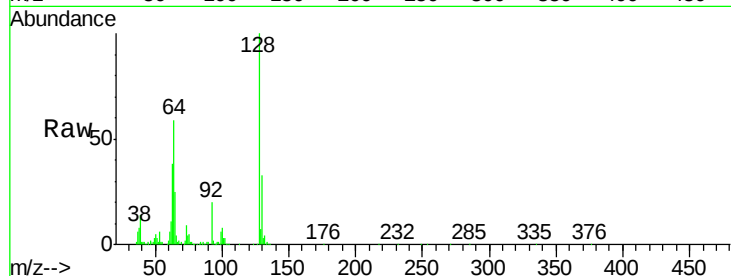
Tgt Ion:128 Resp: 206394

Ion Ratio Lower Upper

128 100

64 59.1 34.2 51.4#

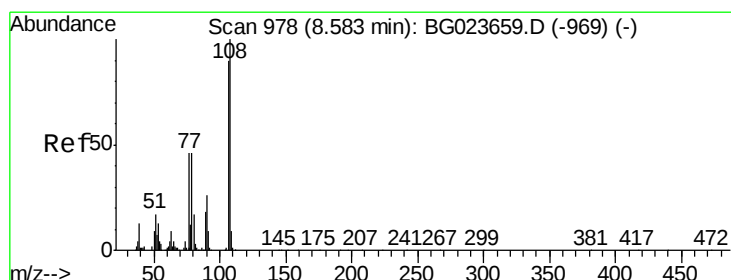
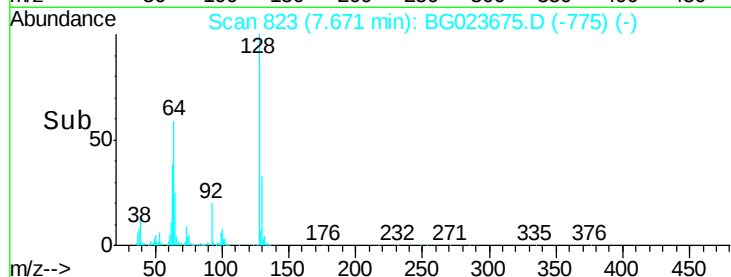
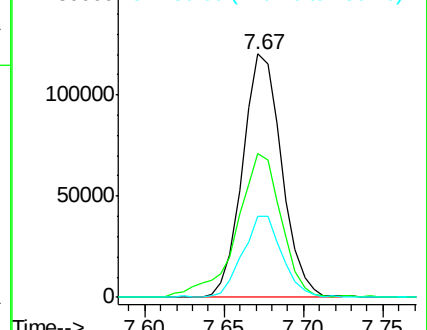
130 33.2 27.0 40.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 20.11 ng/ul

RT: 8.56 min Scan# 975

Delta R.T. -0.02 min

Lab File: BG023675.D

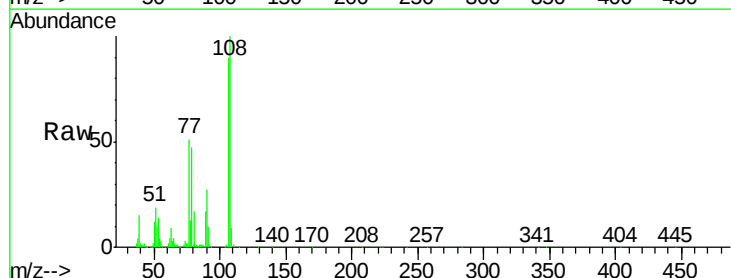
Acq: 13 Aug 2016 3:15

Tgt Ion:108 Resp: 232141

Ion Ratio Lower Upper

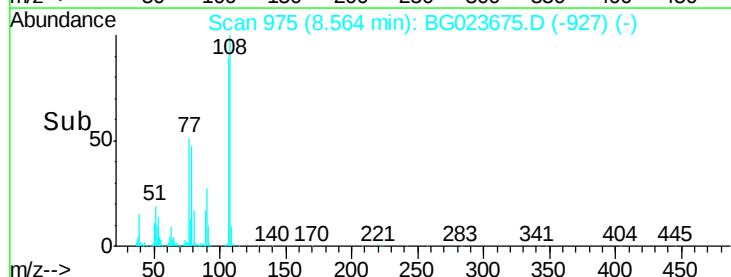
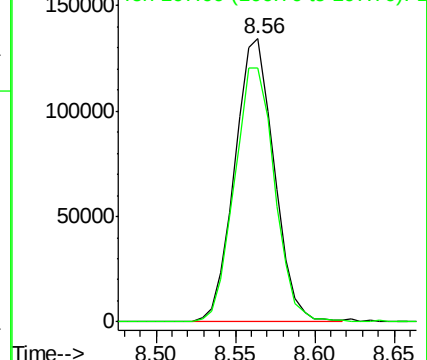
108 100

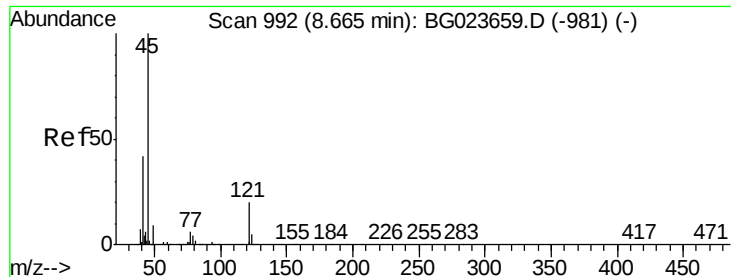
107 89.6 78.6 117.8



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

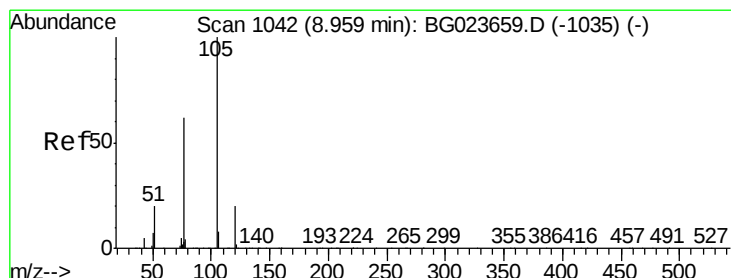
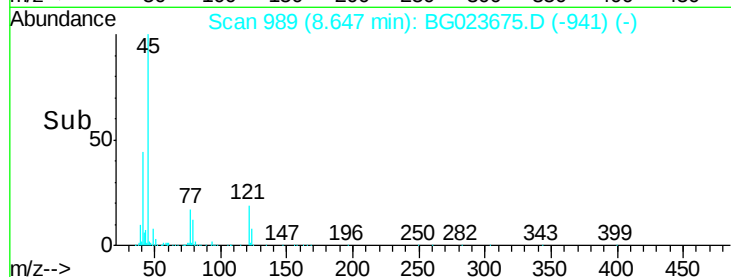
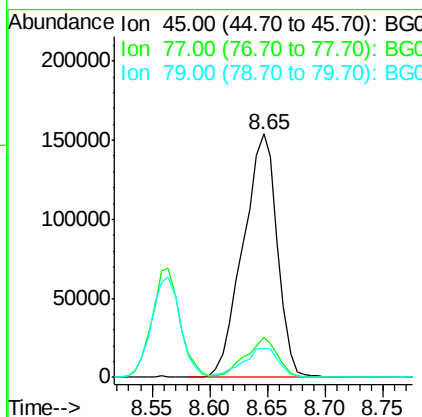
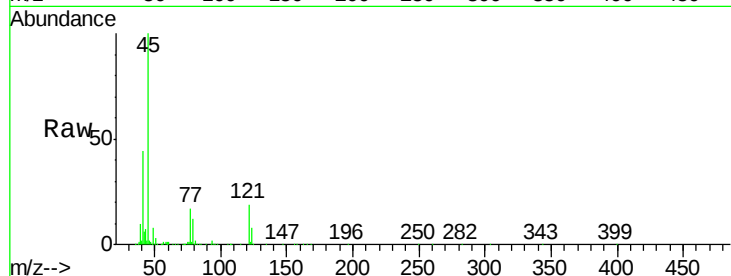




#12
 2,2'-oxybis(1-Chloropropane)
 Concen: 20.65 ng/ul
 RT: 8.65 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BG023675.D
 Acq: 13 Aug 2016 3:15

Instrument :
 BNA_G
 ClientSampleId :
 SST02031

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.7	13.4	20.2
79	12.0	10.2	15.4



#14
 Acetophenone
 Concen: 20.76 ng/ul
 RT: 8.95 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG023675.D
 Acq: 13 Aug 2016 3:15

Tgt Ion	Ratio	Lower	Upper
105	100		
77	85.4	56.1	84.1#
51	26.3	14.6	22.0#

