

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022664.D
 Acq On : 28 Jun 2016 5:18
 Operator : UM/SJ
 Sample : H3606-05
 Misc : LOD-8PPM
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Jun 28 07:45:48 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	132892	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	564567	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	422429	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1138242	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1316956	20.00	ng	0.00
86) Perylene-d12	25.20	264	1347373	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	923328	111.44	ng	0.00
7) Phenol-d6	7.31	99	1331876	114.05	ng	0.00
23) Nitrobenzene-d5	9.33	82	929804	69.70	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	762324	114.74	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1820674	68.35	ng	0.00
78) Terphenyl-d14	20.16	244	3020464	60.76	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	15586	4.64	ng	93
3) Pyridine	3.99	79	44827	4.77	ng	89
4) n-Nitrosodimethylamine	3.89	42	26444	4.92	ng	# 95
6) Aniline	7.48	93	41087	2.65	ng	92
8) 2-Chlorophenol	7.72	128	54348	6.33	ng	88
9) Benzaldehyde	7.29	77	54921	13.36	ng	96
10) Phenol	7.34	94	74677	6.05	ng	98
11) bis(2-Chloroethyl)ether	7.57	93	57094	5.62	ng	98
12) 1,3-Dichlorobenzene	8.05	146	55915	5.35	ng	88
13) 1,4-Dichlorobenzene	8.20	146	57563	5.50	ng	# 88
14) 1,2-Dichlorobenzene	8.52	146	55315	5.56	ng	95
15) Benzyl Alcohol	8.39	79	62646	5.80	ng	87
16) 2,2'-oxybis(1-Chloropropan	8.69	45	58623	5.22	ng	98
17) 2-Methylphenol	8.60	107	48390	5.95	ng	# 94
18) Hexachloroethane	9.25	117	20876	4.82	ng	# 83
19) n-Nitroso-di-n-propylamine	8.96	70	51259	5.27	ng	96
20) 3+4-Methylphenols	8.92	107	67718	6.04	ng	92
22) Acetophenone	8.99	105	93444	5.73	ng	# 92
24) Nitrobenzene	9.37	77	81263	5.51	ng	99
25) Isophorone	9.89	82	128924	4.98	ng	# 96
26) 2-Nitrophenol	10.09	139	27589	5.20	ng	87
27) 2,4-Dimethylphenol	10.13	122	54746	5.40	ng	86
28) bis(2-Chloroethoxy)methane	10.37	93	80275	5.68	ng	92
29) 2,4-Dichlorophenol	10.62	162	57615	5.83	ng	93
30) 1,2,4-Trichlorobenzene	10.84	180	62209	5.30	ng	96
31) Naphthalene	11.03	128	163384	5.76	ng	# 96
32) Benzoic acid	10.19	122	27568	8.83	ng	88
33) 4-Chloroaniline	11.14	127	35152	2.88	ng	# 81
34) Hexachlorobutadiene	11.32	225	44779	4.91	ng	91
35) Caprolactam	11.90	113	19330	6.21	ng	# 56
36) 4-Chloro-3-methylphenol	12.25	107	74192	6.11	ng	96
37) 2-Methylnaphthalene	12.63	142	123586	5.62	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.99	216	84895	5.32	ng	98
40) Hexachlorocyclopentadiene	12.97	237	52040	4.09	ng	94

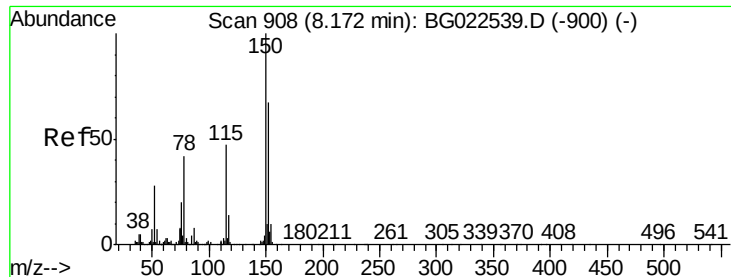
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022664.D
 Acq On : 28 Jun 2016 5:18
 Operator : UM/SJ
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.23	196	55212	5.40	ng	86
43) 2,4,5-Trichlorophenol	13.30	196	60684	5.67	ng	88
45) 1,1'-Biphenyl	13.63	154	173391	5.39	ng	98
46) 2-Chloronaphthalene	13.68	162	142422	5.38	ng	97
47) 2-Nitroaniline	13.88	65	51395	5.03	ng	# 88
48) Acenaphthylene	14.52	152	209922	5.47	ng	95
49) Dimethylphthalate	14.24	163	195706	5.58	ng	# 95
50) 2,6-Dinitrotoluene	14.36	165	43003	5.65	ng	# 82
51) Acenaphthene	14.86	154	144305	5.10	ng	96
52) 3-Nitroaniline	14.70	138	31441	4.41	ng	# 94
53) 2,4-Dinitrophenol	14.90	184	21538	4.59	ng	97
54) Dibenzofuran	15.19	168	241255	5.89	ng	95
55) 4-Nitrophenol	15.00	139	31402	5.21	ng	# 80
56) 2,4-Dinitrotoluene	15.15	165	61758	5.85	ng	# 92
57) Fluorene	15.85	166	193349	5.91	ng	# 89
58) 2,3,4,6-Tetrachlorophenol	15.41	232	64927	5.85	ng	98
59) Diethylphthalate	15.60	149	197994	5.50	ng	# 93
60) 4-Chlorophenyl-phenylether	15.83	204	110423	5.67	ng	92
61) 4-Nitroaniline	15.86	138	39930	5.43	ng	93
62) Azobenzene	16.13	77	210837	5.40	ng	95
64) 4,6-Dinitro-2-methylphenol	15.91	198	36835	4.83	ng	85
65) n-Nitrosodiphenylamine	16.05	169	181288	5.47	ng	95
66) 4-Bromophenyl-phenylether	16.74	248	72605	4.92	ng	98
67) Hexachlorobenzene	16.85	284	78519	5.03	ng	91
68) Atrazine	17.00	200	75530	5.40	ng	98
69) Pentachlorophenol	17.20	266	50575	4.71	ng	94
70) Phenanthrene	17.60	178	357870	6.17	ng	97
71) Anthracene	17.69	178	348683	5.84	ng	96
72) Carbazole	17.96	167	311674	6.15	ng	96
73) Di-n-butylphthalate	18.51	149	354721	6.01	ng	# 93
74) Fluoranthene	19.60	202	443139	6.63	ng	92
76) Benzidine	19.78	184	57614	4.11	ng	# 92
77) Pyrene	19.96	202	447718	6.38	ng	# 92
79) Butylbenzylphthalate	20.84	149	158388	5.22	ng	99
80) Benzo(a)anthracene	21.82	228	468821	6.43	ng	# 95
81) 3,3'-Dichlorobenzidine	21.74	252	97988	3.26	ng	# 93
82) Chrysene	21.90	228	448418	6.55	ng	94
83) Bis(2-ethylhexyl)phthalate	21.72	149	215806	5.05	ng	97
84) Di-n-octyl phthalate	22.98	149	376395	5.34	ng	# 94
85) Indeno(1,2,3-cd)pyrene	29.04	276	436856	4.85	ng	# 100
87) Benzo(b)fluoranthene	24.13	252	459186	5.67	ng	95
88) Benzo(k)fluoranthene	24.13	252	459186	6.00	ng	95
89) Benzo(a)pyrene	25.04	252	427430	5.41	ng	98
90) Dibenzo(a,h)anthracene	29.12	278	361856	4.87	ng	# 88
91) Benzo(g,h,i)perylene	30.25	276	357469	4.72	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

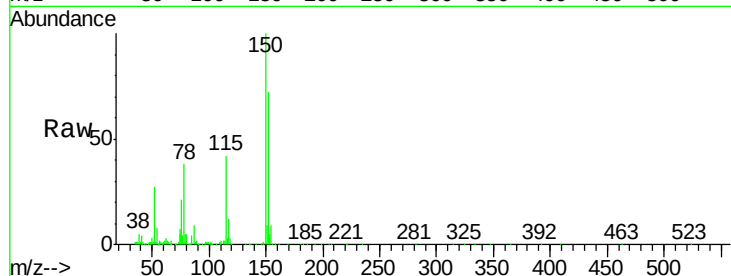
Tgt Ion:152 Resp: 132892

Ion Ratio Lower Upper

152 100

150 139.7 144.7 217.1#

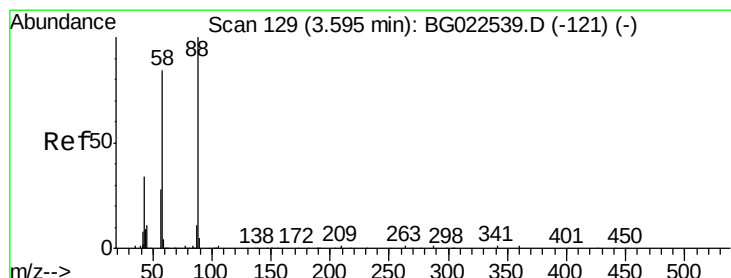
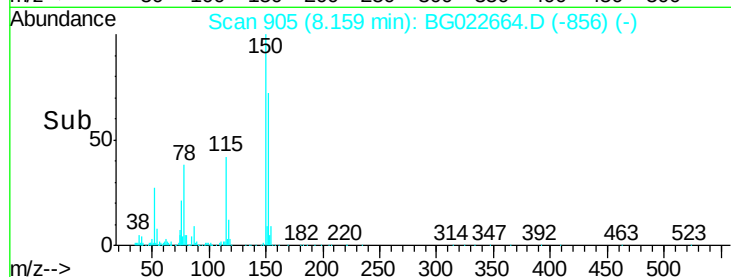
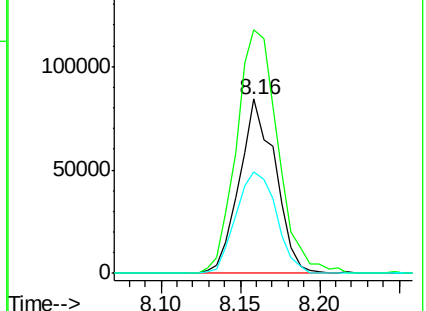
115 58.2 64.0 96.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.64 ng

RT: 3.58 min Scan# 126

Delta R.T. -0.01 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

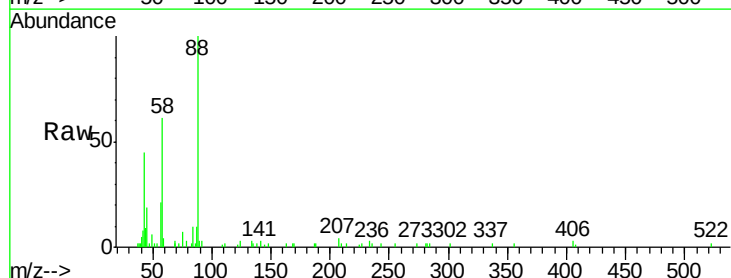
Tgt Ion: 88 Resp: 15586

Ion Ratio Lower Upper

88 100

58 84.6 60.4 90.6

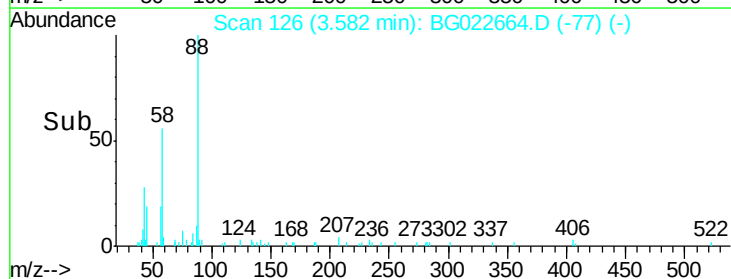
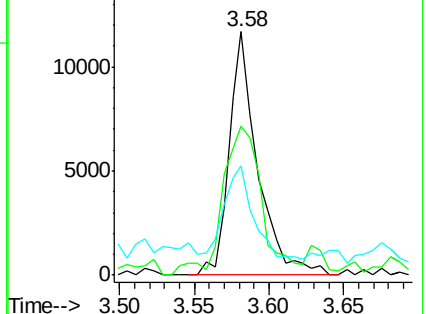
43 39.6 31.1 46.7

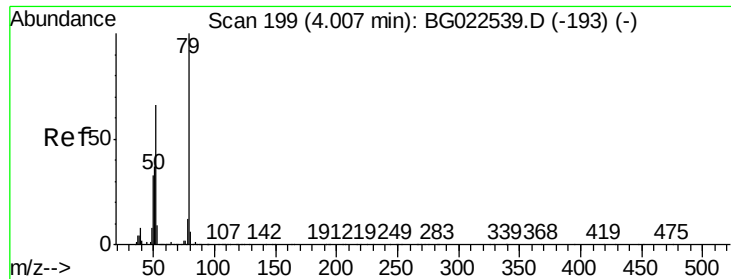


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.77 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.01 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

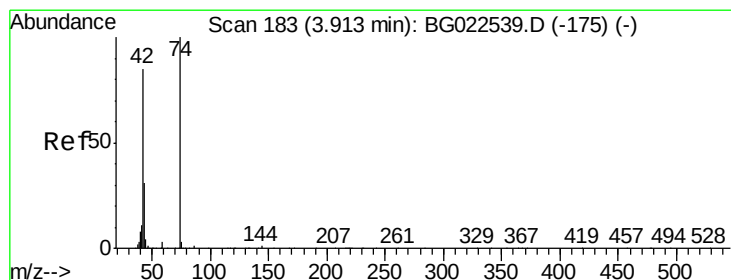
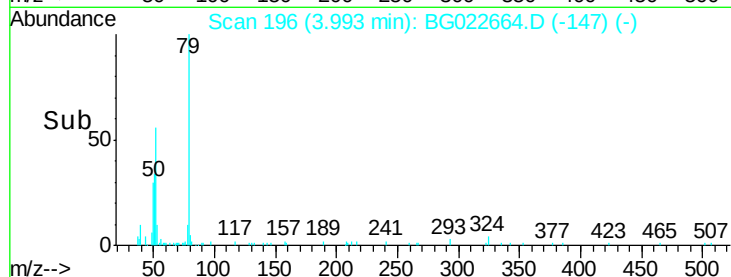
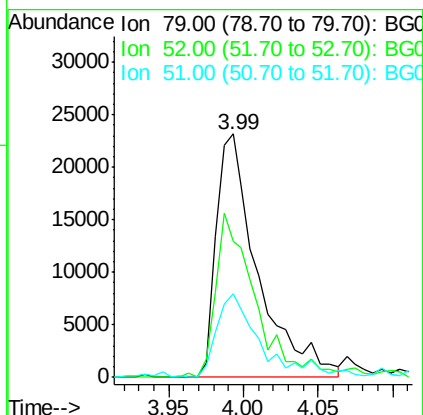
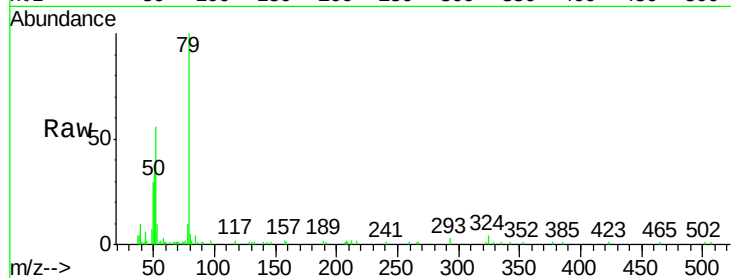
Tgt Ion: 79 Resp: 44827

Ion Ratio Lower Upper

79 100

52 56.0 51.8 77.8

51 34.4 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 4.92 ng

RT: 3.89 min Scan# 179

Delta R.T. -0.02 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

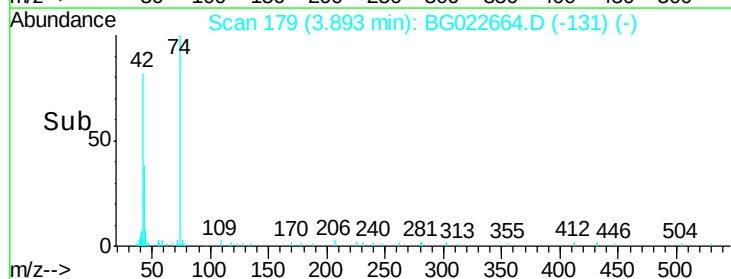
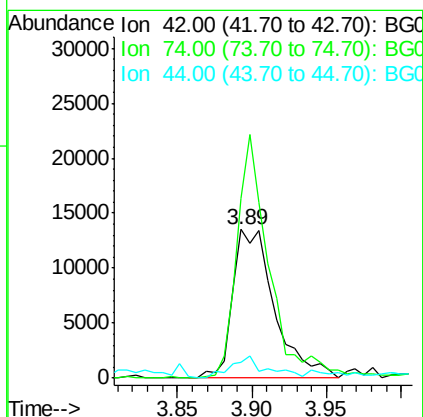
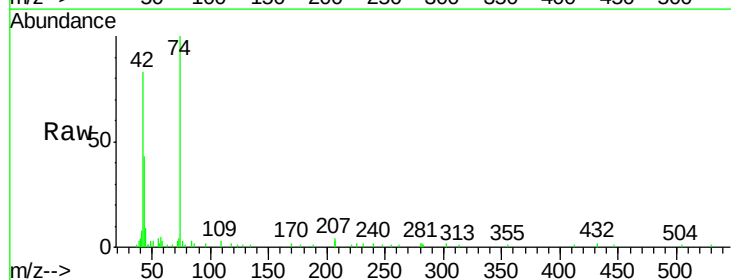
Tgt Ion: 42 Resp: 26444

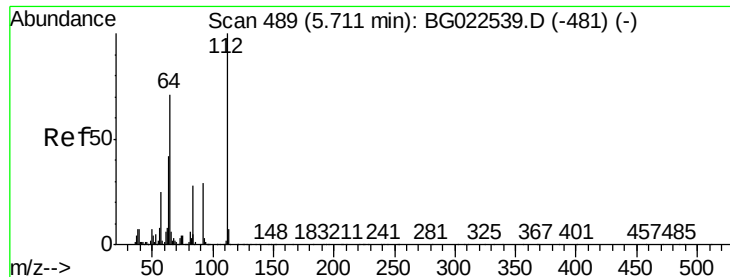
Ion Ratio Lower Upper

42 100

74 121.0 100.6 150.8

44 10.5 4.5 6.7#





#5

2-Fluorophenol

Concen: 111.44 ng

RT: 5.70 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

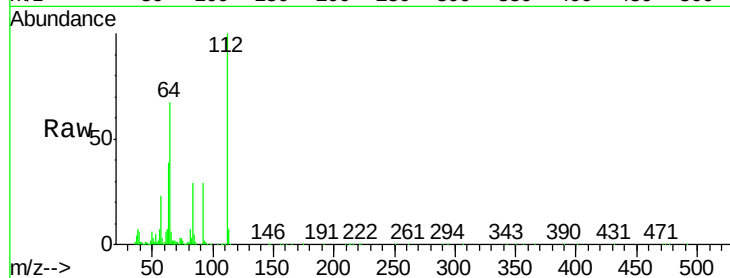
Tgt Ion: 112 Resp: 923328

Ion Ratio Lower Upper

112 100

64 67.4 59.0 88.4

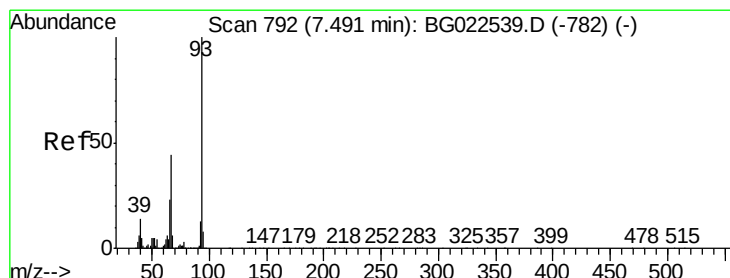
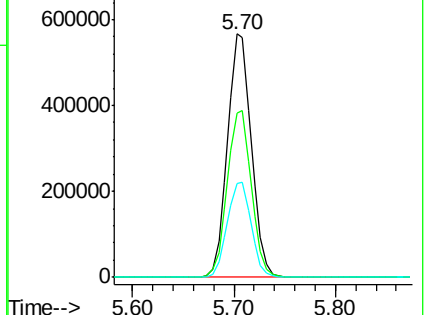
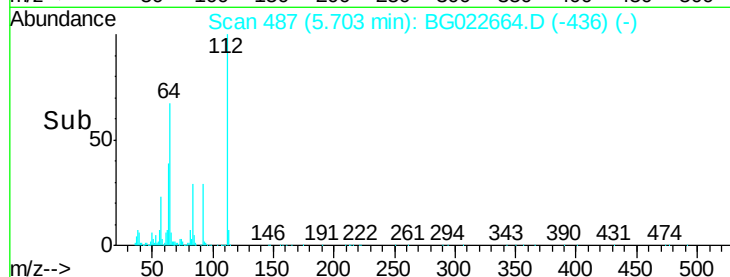
63 38.6 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 2.65 ng

RT: 7.48 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

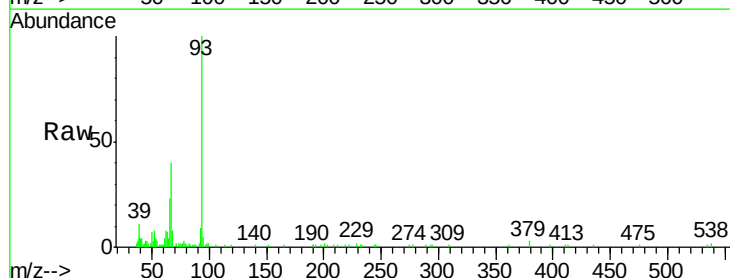
Tgt Ion: 93 Resp: 41087

Ion Ratio Lower Upper

93 100

66 39.9 37.5 56.3

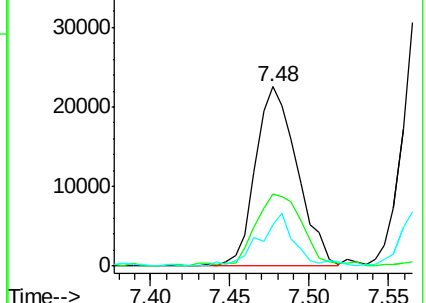
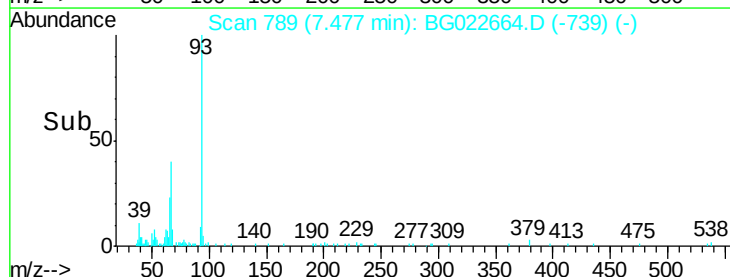
65 23.1 17.9 26.9

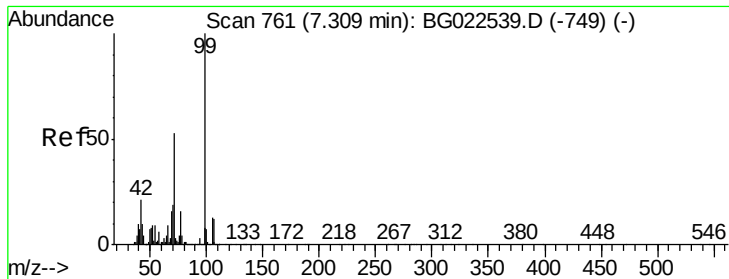


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 114.05 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022664.D

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ClientSampleId :

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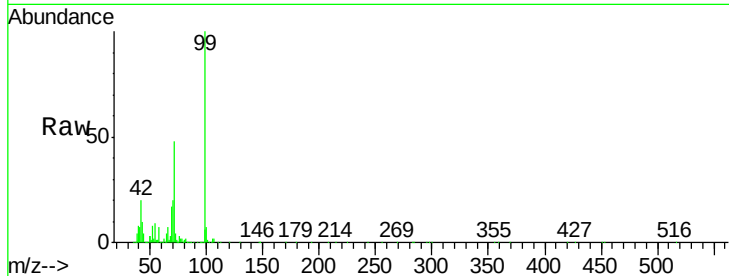
Tgt Ion: 99 Resp: 1331876

Ion Ratio Lower Upper

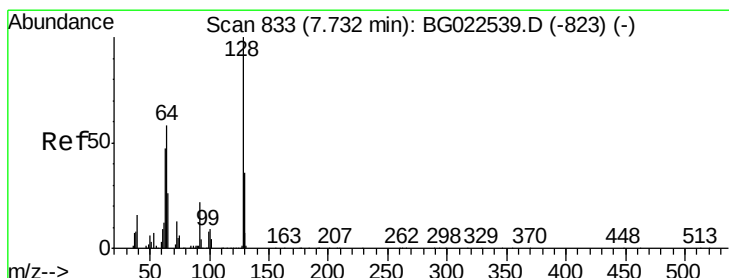
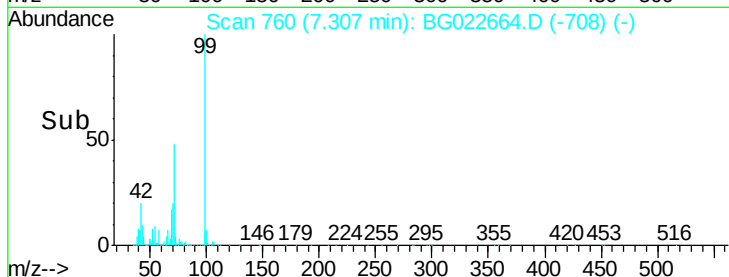
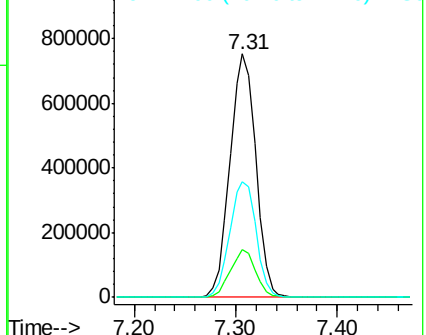
99 100

42 19.9 17.8 26.6

71 47.7 41.5 62.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 6.33 ng

RT: 7.72 min Scan# 830

Delta R.T. -0.01 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

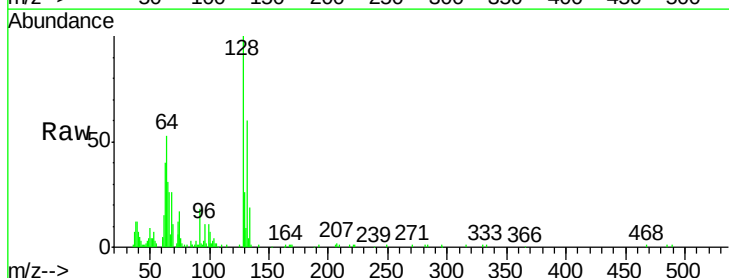
Tgt Ion: 128 Resp: 54348

Ion Ratio Lower Upper

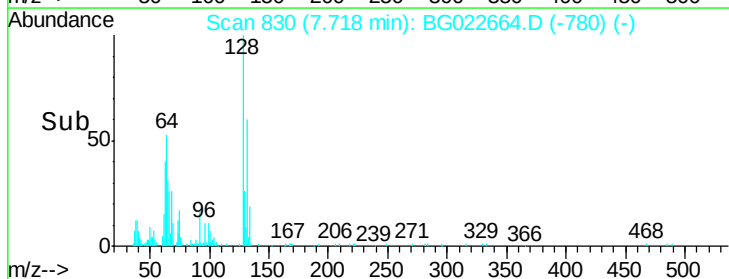
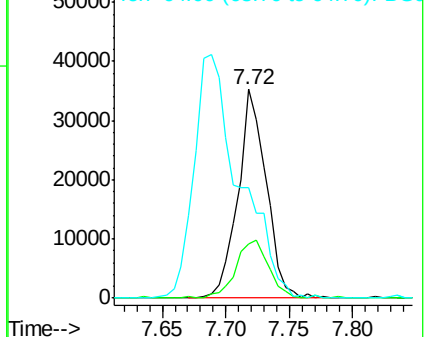
128 100

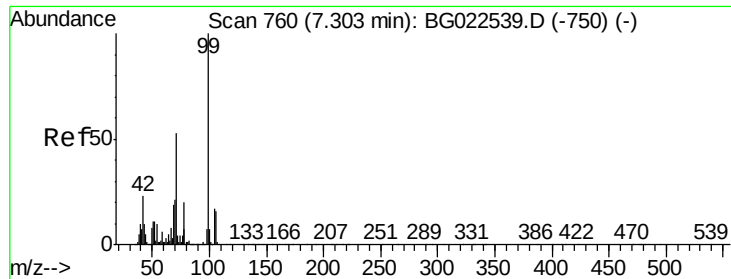
130 25.9 12.9 52.9

64 52.9 42.0 82.0



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 13.36 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.00 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

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LOD-WATER2016-01

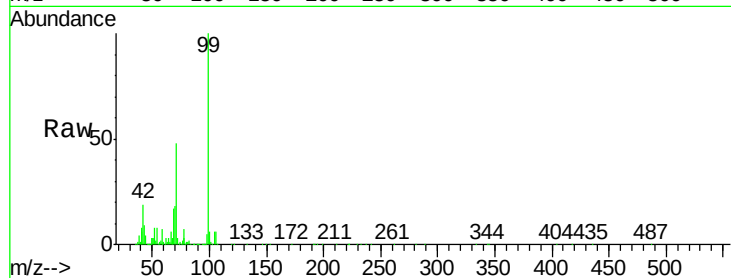
Tgt Ion: 77 Resp: 54921

Ion Ratio Lower Upper

77 100

105 85.3 58.7 98.7

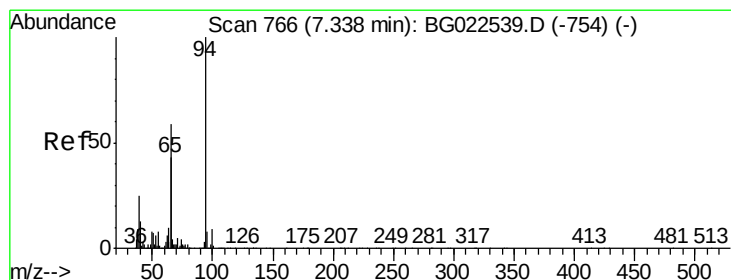
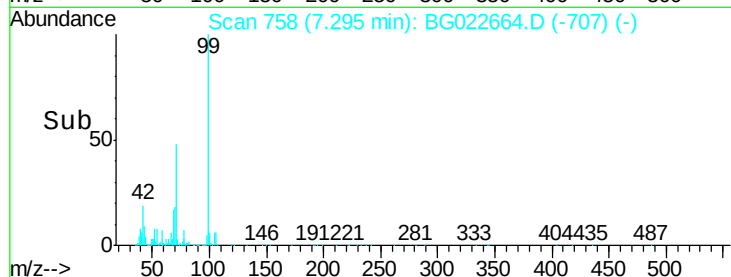
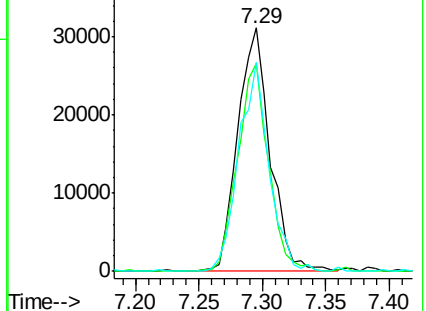
106 86.1 67.5 107.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 6.05 ng

RT: 7.34 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG022664.D

Acq: 28 Jun 2016 5:18

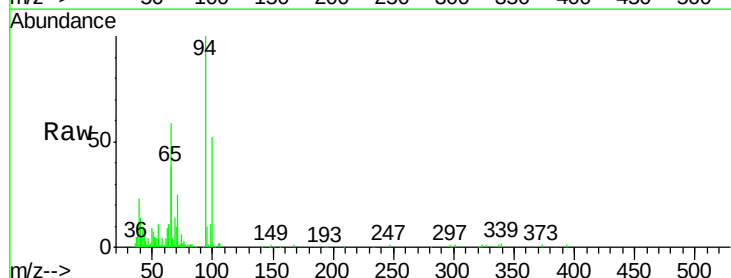
Tgt Ion: 94 Resp: 74677

Ion Ratio Lower Upper

94 100

65 37.9 18.1 58.1

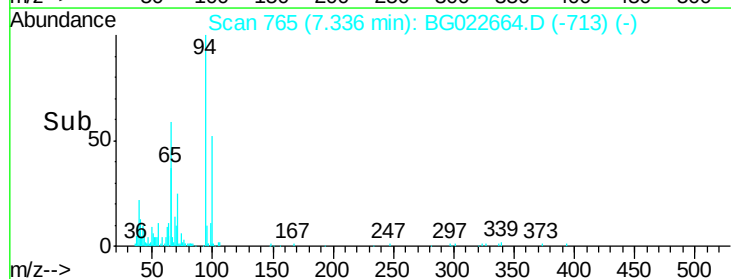
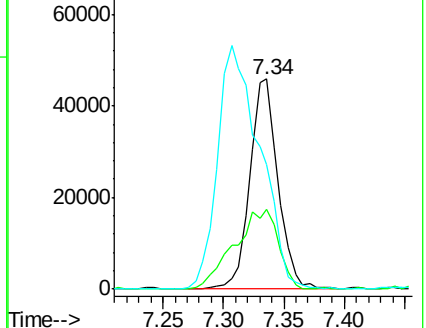
66 59.2 42.1 82.1

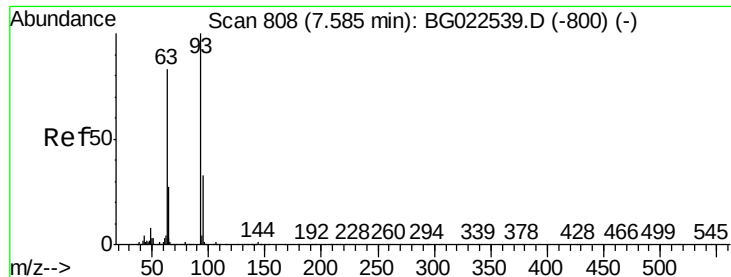


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

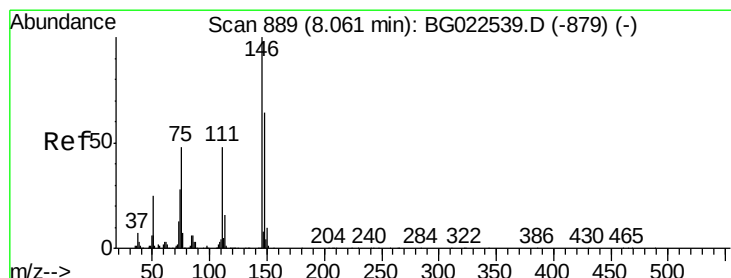
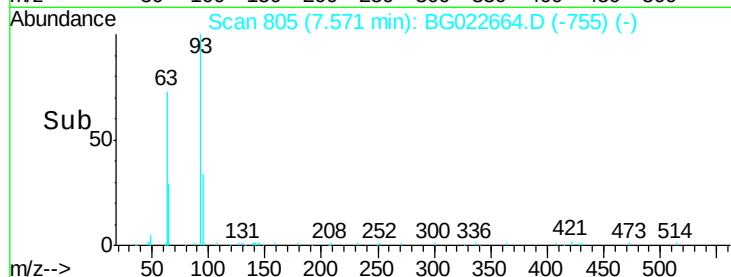
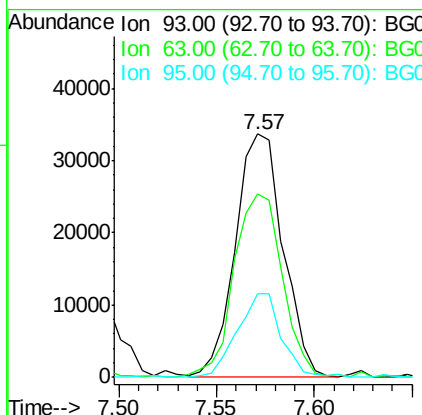
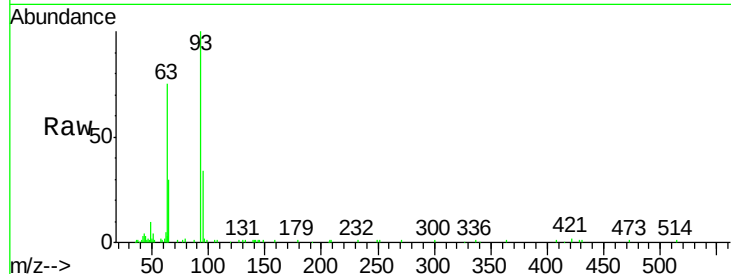




#11
bis(2-Chloroethyl)ether
Concen: 5.62 ng
RT: 7.57 min Scan# 805
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

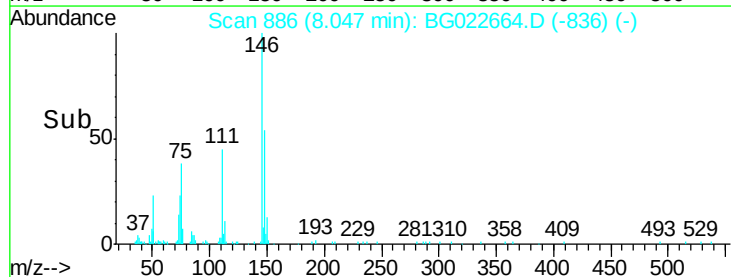
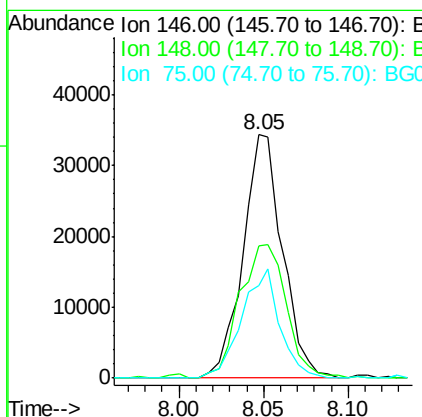
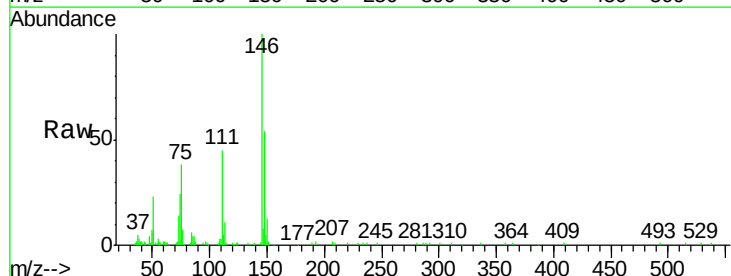
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

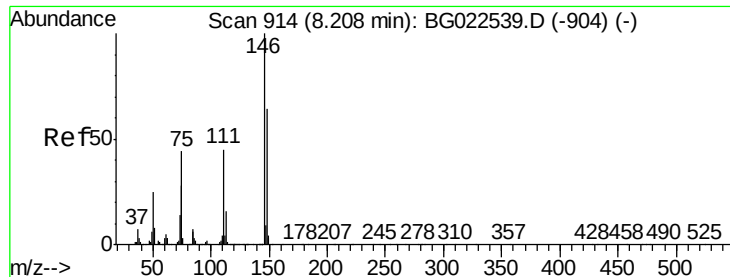
Tgt Ion: 93 Resp: 57094
Ion Ratio Lower Upper
93 100
63 75.5 55.0 95.0
95 34.4 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 5.35 ng
RT: 8.05 min Scan# 886
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

Tgt Ion: 146 Resp: 55915
Ion Ratio Lower Upper
146 100
148 54.3 50.3 75.5
75 38.2 37.0 55.6

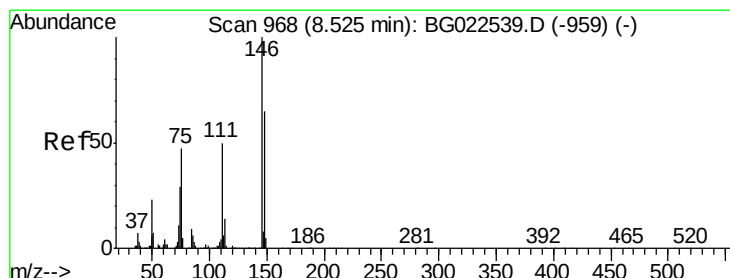
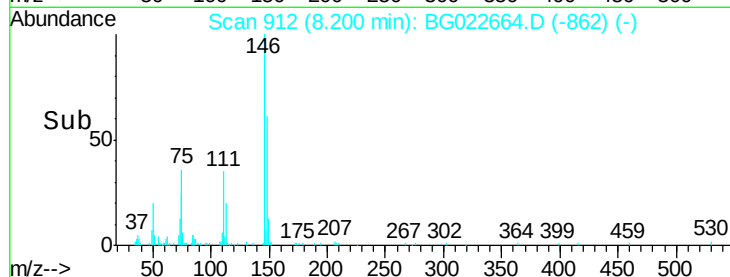
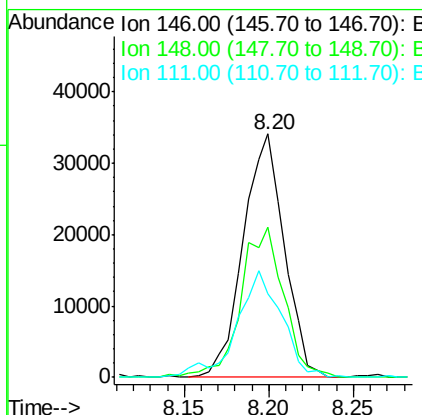
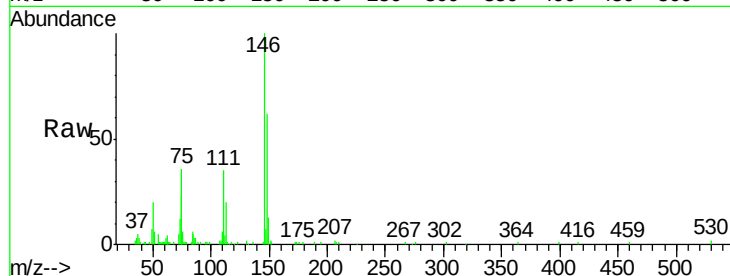




#13
 1,4-Dichlorobenzene
 Concen: 5.50 ng
 RT: 8.20 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BG022664.D
 Acq: 28 Jun 2016 5:18

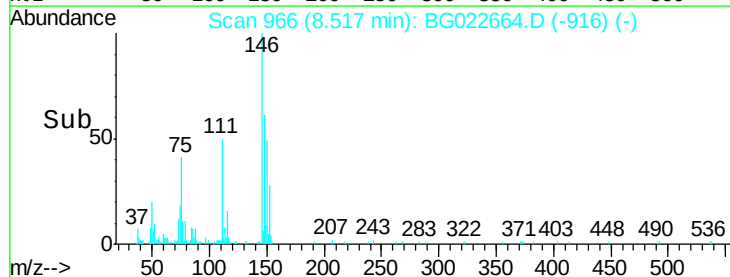
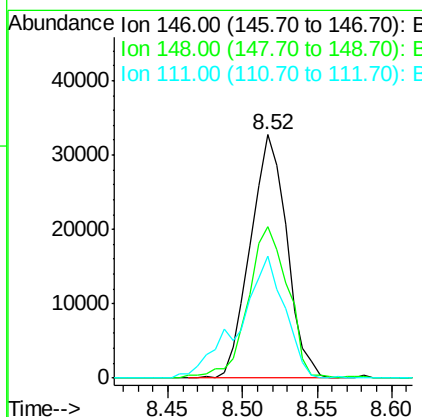
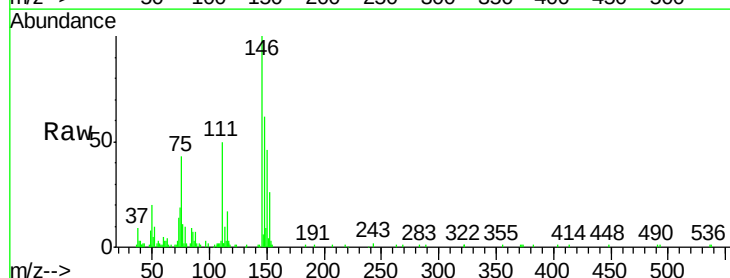
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

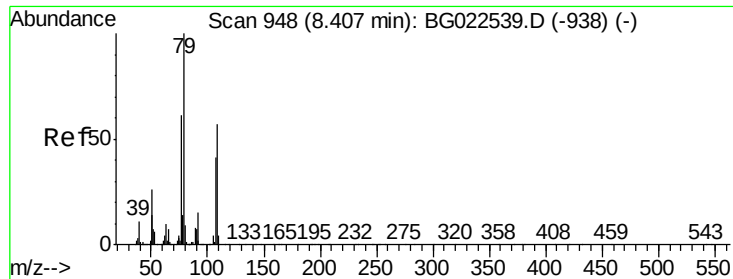
Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.8	54.5	81.7
111	34.6	37.8	56.8#



#14
 1,2-Dichlorobenzene
 Concen: 5.56 ng
 RT: 8.52 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BG022664.D
 Acq: 28 Jun 2016 5:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.4	52.9	79.3
111	50.3	43.5	65.3

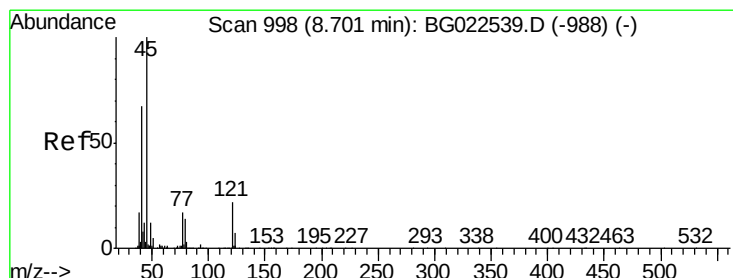
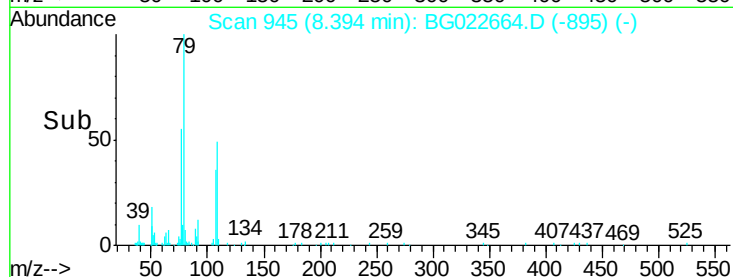
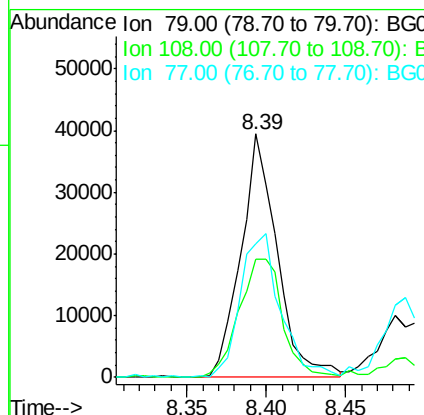
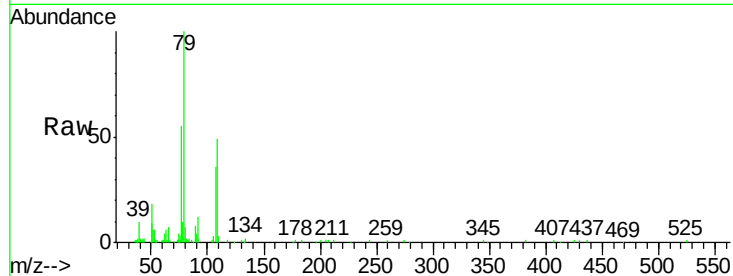




#15
Benzyl Alcohol
Concen: 5.80 ng
RT: 8.39 min Scan# 945
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

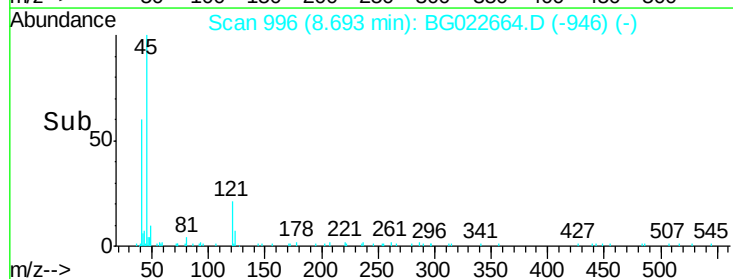
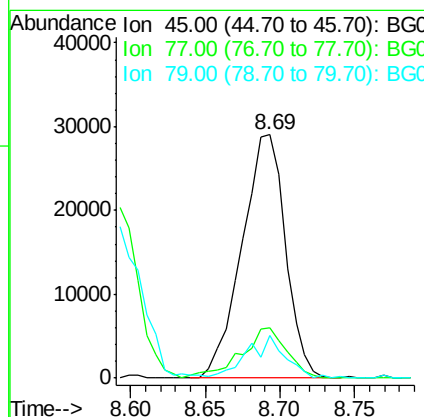
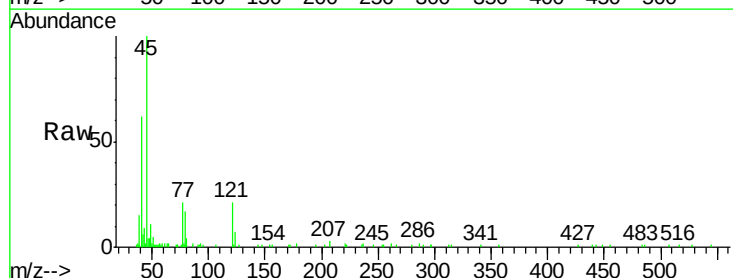
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

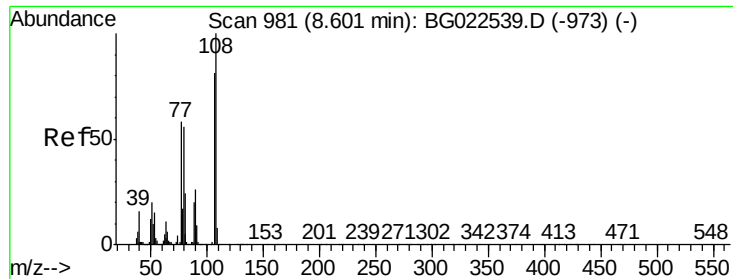
Tgt Ion: 79 Resp: 62646
Ion Ratio Lower Upper
79 100
108 48.6 46.5 69.7
77 54.7 52.3 78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.22 ng
RT: 8.69 min Scan# 996
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

Tgt Ion: 45 Resp: 58623
Ion Ratio Lower Upper
45 100
77 20.6 0.6 40.6
79 18.1 0.0 36.2

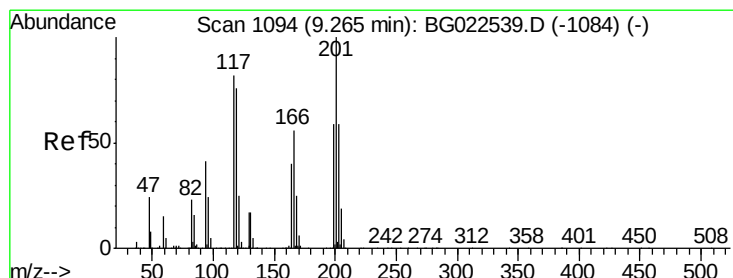
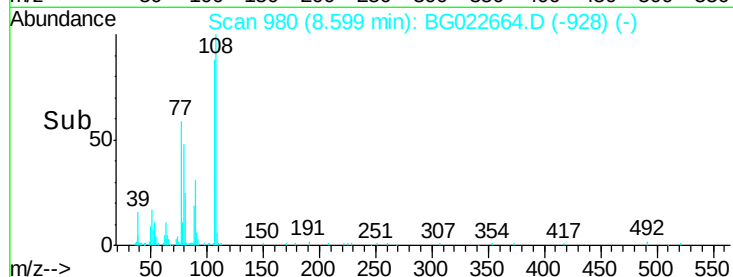
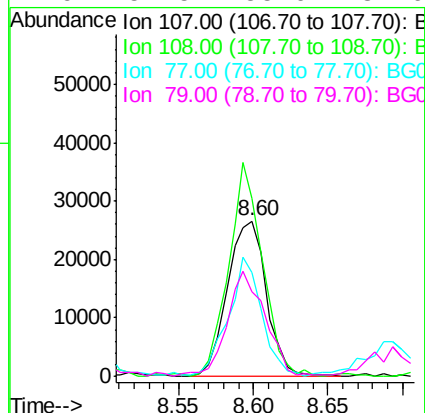
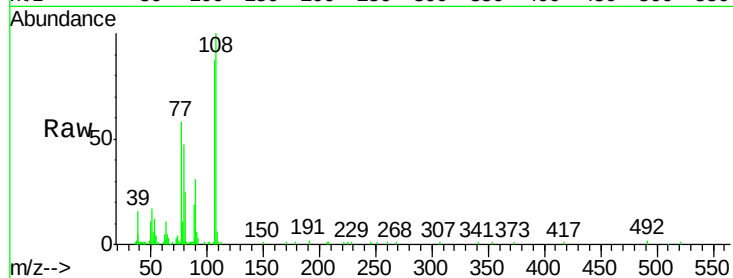




#17
2-Methylphenol
Concen: 5.95 ng
RT: 8.60 min Scan# 980
Delta R.T. 0.00 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

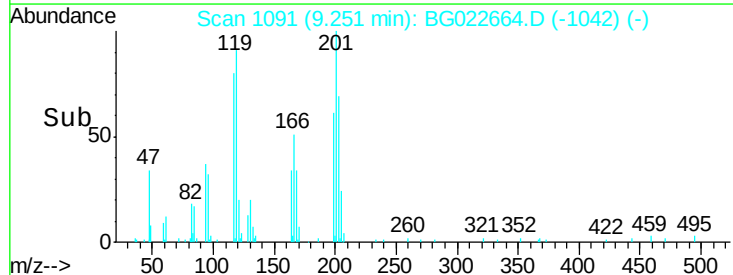
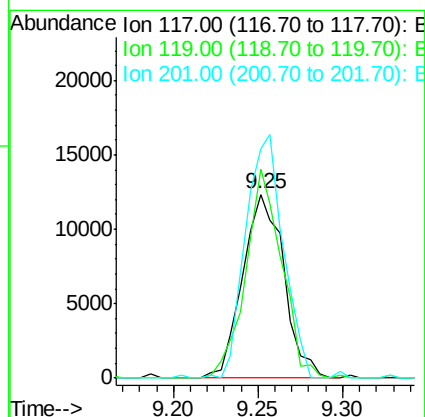
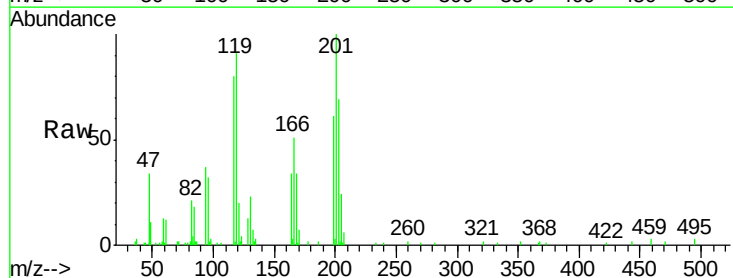
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

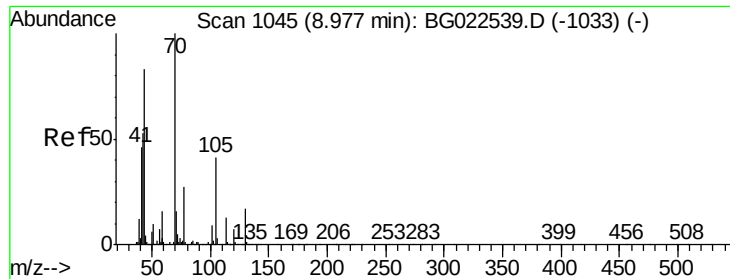
Tgt Ion:	107	Resp:	48390
Ion	Ratio	Lower	Upper
107	100		
108	115.3	92.0	138.0
77	67.3	55.8	83.6
79	54.5	55.0	82.6#



#18
Hexachloroethane
Concen: 4.82 ng
RT: 9.25 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

Tgt Ion:	117	Resp:	20876
Ion	Ratio	Lower	Upper
117	100		
119	113.6	73.7	110.5#
201	124.8	88.7	133.1

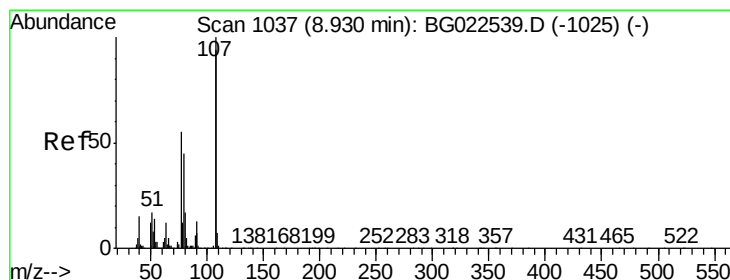
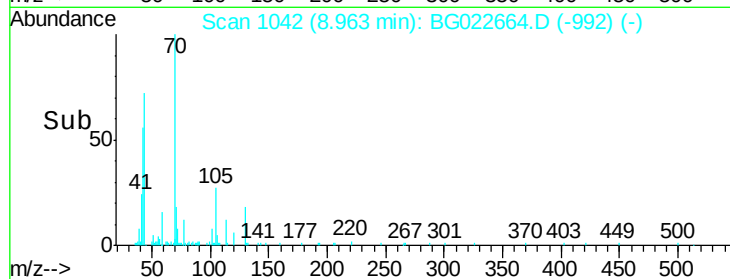
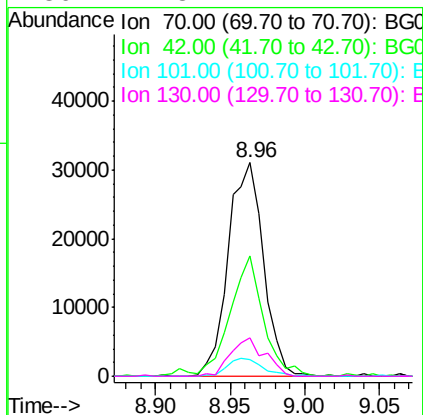
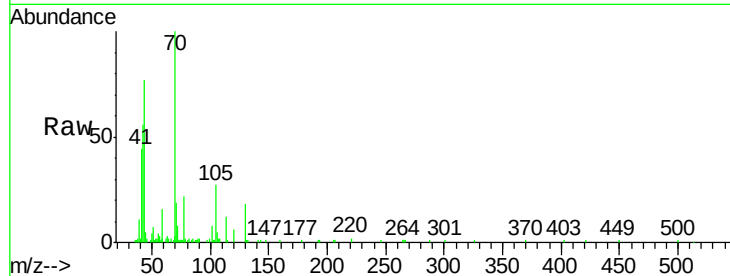




#19
n-Nitroso-di-n-propylamine
Concen: 5.27 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

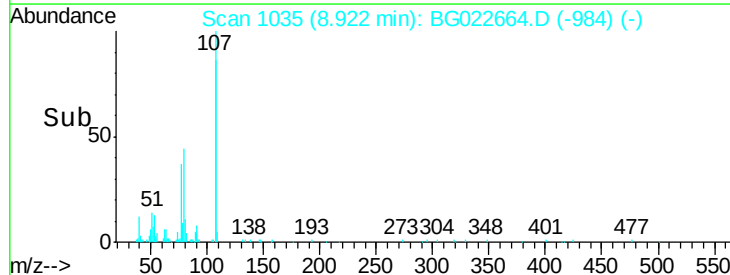
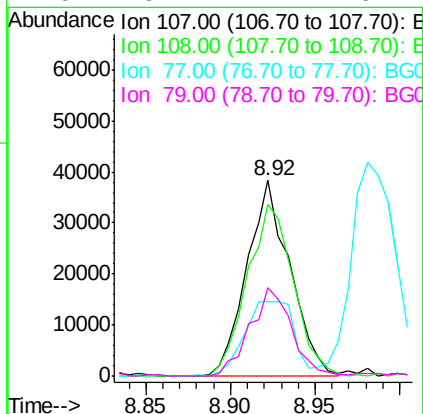
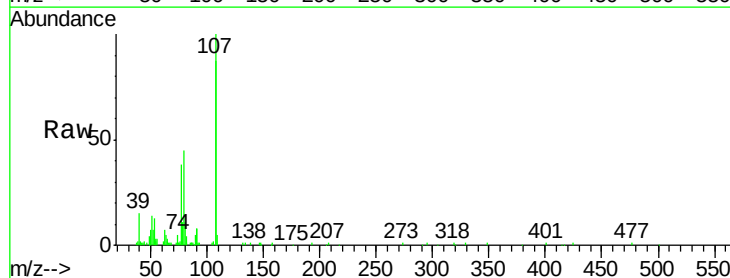
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

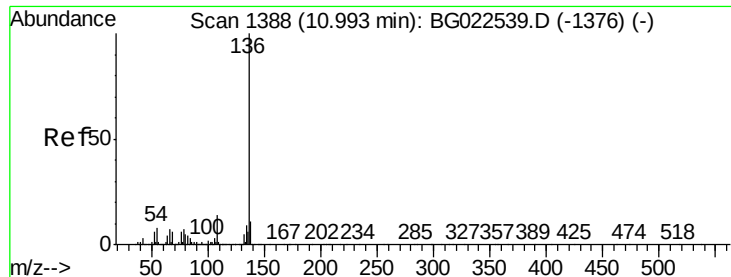
Tgt Ion:	70	Resp:	51259
Ion	Ratio	Lower	Upper
70	100		
42	56.1	42.1	63.1
101	8.1	7.2	10.8
130	17.8	14.2	21.2



#20
3+4-Methylphenols
Concen: 6.04 ng
RT: 8.92 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

Tgt Ion:	107	Resp:	67718
Ion	Ratio	Lower	Upper
107	100		
108	87.5	72.5	112.5
77	38.2	30.1	70.1
79	45.2	24.2	64.2

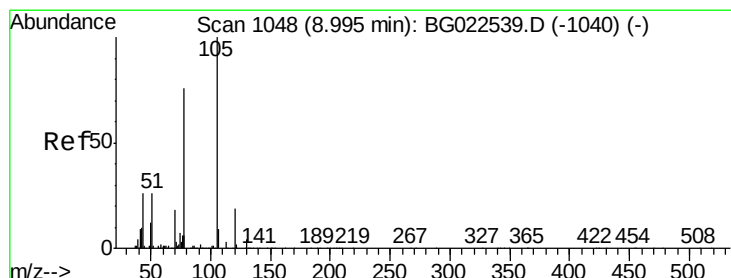
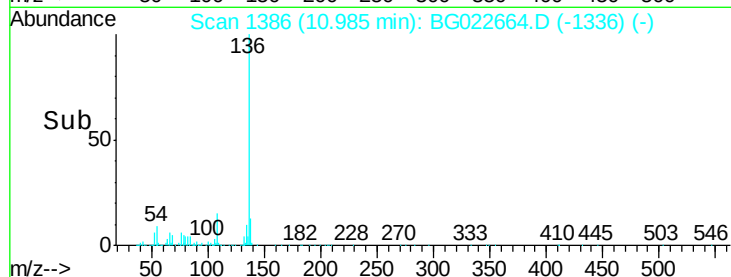
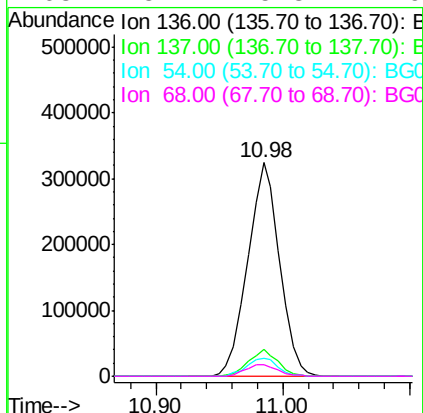
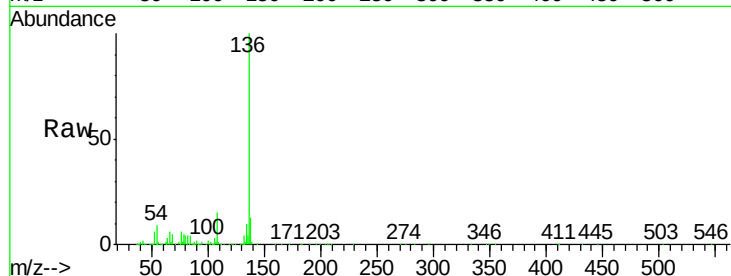




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

Tgt Ion:	136	Resp:	564567
Ion Ratio	Lower	Upper	
136	100		
137	12.5	9.6	14.4
54	8.7	7.3	10.9
68	5.1	5.3	7.9#



#22
Acetophenone
Concen: 5.73 ng
RT: 8.99 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG022664.D
Acq: 28 Jun 2016 5:18

Tgt Ion:	105	Resp:	93444
Ion Ratio	Lower	Upper	
105	100		
71	0.8	2.6	3.8#
51	27.0	27.1	40.7#
120	19.9	15.1	22.7

