

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070816\
 Data File : BG022909.D
 Acq On : 8 Jul 2016 00:03
 Operator : UM/SJ
 Sample : H3834-03MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-3MS

Quant Time: Jul 08 04:31:49 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 16:51:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	113983	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	522461	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	392660	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	964743	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1087498	20.00	ng	0.00
86) Perylene-d12	25.20	264	1132380	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	513456	73.67	ng	0.00
7) Phenol-d6	7.31	99	527295	48.31	ng	0.00
23) Nitrobenzene-d5	9.33	82	1060580	86.92	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	850319	120.49	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2096280	84.09	ng	0.00
78) Terphenyl-d14	20.15	244	3055055	91.88	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.60	88	538	0.20	ng	# 73
3) Pyridine	3.97	79	121568	13.11	ng	# 92
4) n-Nitrosodimethylamine	3.88	42	76479	19.23	ng	# 83
6) Aniline	7.47	93	359615	23.77	ng	97
8) 2-Chlorophenol	7.71	128	289675	39.06	ng	94
9) Benzaldehyde	7.29	77	356711	48.91	ng	91
10) Phenol	7.33	94	194191	17.29	ng	89
11) bis(2-Chloroethyl)ether	7.56	93	364961	41.00	ng	95
12) 1,3-Dichlorobenzene	8.04	146	305225	33.62	ng	97
13) 1,4-Dichlorobenzene	8.19	146	306878	33.77	ng	96
14) 1,2-Dichlorobenzene	8.51	146	307654	34.05	ng	97
15) Benzyl Alcohol	8.39	79	328524	32.86	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.68	45	423049	38.91	ng	96
17) 2-Methylphenol	8.60	107	252369	34.52	ng	96
18) Hexachloroethane	9.25	117	129449	33.74	ng	99
19) n-Nitroso-di-n-propylamine	8.96	70	400174	40.67	ng	97
20) 3+4-Methylphenols	8.93	107	326250	32.00	ng	98
22) Acetophenone	8.98	105	631542	40.28	ng	# 94
24) Nitrobenzene	9.37	77	557304	42.98	ng	95
25) Isophorone	9.89	82	1043242	42.51	ng	95
26) 2-Nitrophenol	10.08	139	210109	41.30	ng	88
27) 2,4-Dimethylphenol	10.14	122	344690	39.19	ng	95
28) bis(2-Chloroethoxy)methane	10.37	93	577617	42.20	ng	99
29) 2,4-Dichlorophenol	10.62	162	409229	43.63	ng	98
30) 1,2,4-Trichlorobenzene	10.84	180	393949	36.65	ng	98
31) Naphthalene	11.03	128	1044629	39.28	ng	99
32) Benzoic acid	10.22	122	44725	5.59	ng	87
33) 4-Chloroaniline	11.14	127	332117	25.54	ng	93
34) Hexachlorobutadiene	11.31	225	290578	33.35	ng	93
35) Caprolactam	11.93	113	29584	7.67	ng	91
36) 4-Chloro-3-methylphenol	12.26	107	487483	38.00	ng	99
37) 2-Methylnaphthalene	12.63	142	844056	40.15	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	572919	33.86	ng	99
40) Hexachlorocyclopentadiene	12.97	237	712355	73.13	ng	98

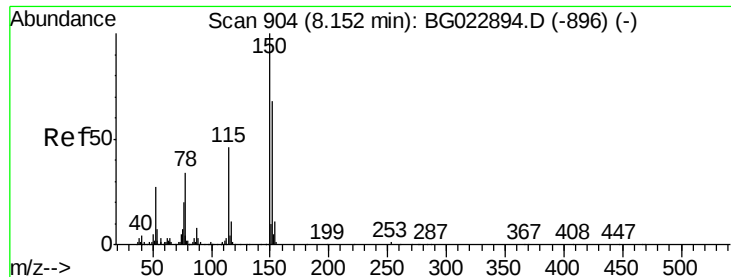
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070816\
 Data File : BG022909.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.23	196	416837	42.86	ng	99
43) 2,4,5-Trichlorophenol	13.31	196	441496	44.20	ng	93
45) 1,1'-Biphenyl	13.63	154	1211410	41.12	ng	99
46) 2-Chloronaphthalene	13.68	162	997165	41.72	ng	96
47) 2-Nitroaniline	13.88	65	424460	41.62	ng	95
48) Acenaphthylene	14.52	152	1476134	41.17	ng	98
49) Dimethylphthalate	14.25	163	1513378	47.18	ng	# 95
50) 2,6-Dinitrotoluene	14.37	165	326718	45.32	ng	87
51) Acenaphthene	14.87	154	987078	42.13	ng	97
52) 3-Nitroaniline	14.71	138	214739	29.88	ng	91
53) 2,4-Dinitrophenol	14.91	184	346242	70.00	ng	91
54) Dibenzofuran	15.20	168	1593971	45.46	ng	98
55) 4-Nitrophenol	15.02	139	213012	35.35	ng	97
56) 2,4-Dinitrotoluene	15.16	165	467681	44.50	ng	96
57) Fluorene	15.85	166	1304206	43.21	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.42	232	454435	45.48	ng	100
59) Diethylphthalate	15.61	149	1426331	43.70	ng	96
60) 4-Chlorophenyl-phenylether	15.83	204	774945	42.16	ng	97
61) 4-Nitroaniline	15.88	138	287170	36.92	ng	# 85
62) Azobenzene	16.13	77	1505112	48.22	ng	93
64) 4,6-Dinitro-2-methylphenol	15.92	198	295030	41.15	ng	96
65) n-Nitrosodiphenylamine	16.05	169	1191835	42.88	ng	96
66) 4-Bromophenyl-phenylether	16.73	248	550217	43.84	ng	96
67) Hexachlorobenzene	16.86	284	586342	42.96	ng	94
68) Atrazine	17.00	200	545798	44.27	ng	97
69) Pentachlorophenol	17.20	266	708313	80.14	ng	98
70) Phenanthrene	17.60	178	2089669	44.20	ng	97
71) Anthracene	17.69	178	2118305	44.25	ng	96
72) Carbazole	17.96	167	1837986	44.43	ng	97
73) Di-n-butylphthalate	18.51	149	2178937	47.36	ng	98
74) Fluoranthene	19.61	202	2420727	41.72	ng	95
76) Benzidine	19.78	184	321772	10.32	ng	99
77) Pyrene	19.97	202	2456796	40.20	ng	98
79) Butylbenzylphthalate	20.83	149	1098527	45.38	ng	97
80) Benzo(a)anthracene	21.83	228	2666993	43.83	ng	98
81) 3,3'-Dichlorobenzidine	21.74	252	597367	22.37	ng	97
82) Chrysene	21.90	228	2513658	44.04	ng	95
83) Bis(2-ethylhexyl)phthalate	21.71	149	1470895	43.76	ng	96
84) Di-n-octyl phthalate	22.96	149	2475486	44.16	ng	99
85) Indeno(1,2,3-cd)pyrene	29.05	276	3333678	45.81	ng	# 100
87) Benzo(b)fluoranthene	24.20	252	2733624	41.84	ng	97
88) Benzo(k)fluoranthene	24.20	252	2733624	44.09	ng	# 96
89) Benzo(a)pyrene	25.04	252	2777583	44.35	ng	98
90) Dibenzo(a,h)anthracene	29.11	278	2771704	44.59	ng	# 94
91) Benzo(g,h,i)perylene	30.25	276	2776462	44.60	ng	# 96

(#) = 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. 0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Instrument :

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MW-3MS

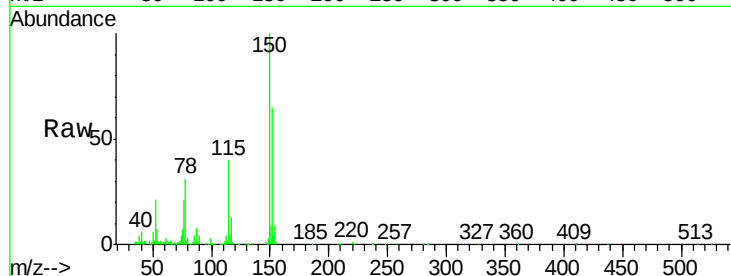
Tgt Ion:152 Resp: 113983

Ion Ratio Lower Upper

152 100

150 153.8 144.7 217.1

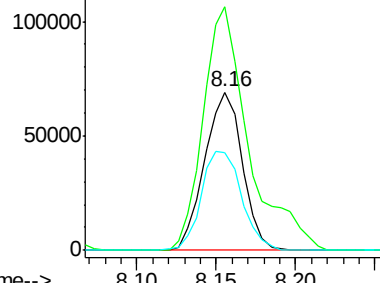
115 61.7 64.0 96.0#



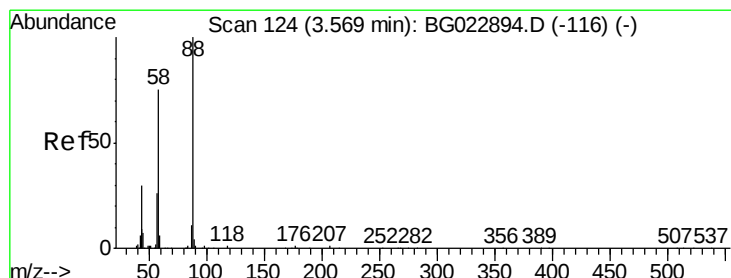
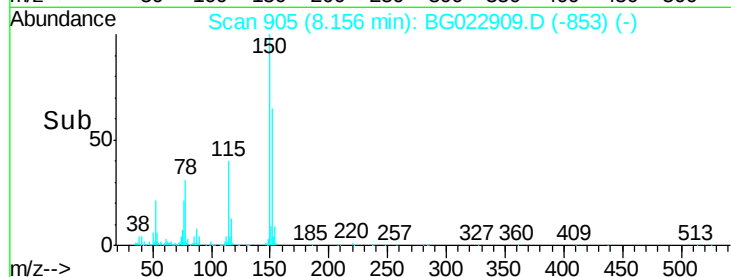
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#2

1,4-Dioxane

Concen: 0.20 ng

RT: 3.60 min Scan# 130

Delta R.T. 0.03 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

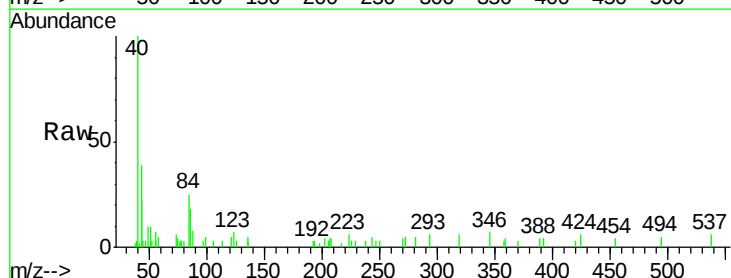
Tgt Ion: 88 Resp: 538

Ion Ratio Lower Upper

88 100

58 82.3 60.4 90.6

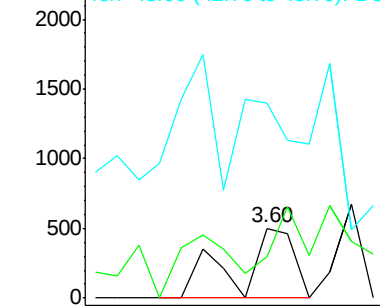
43 0.0 31.1 46.7#



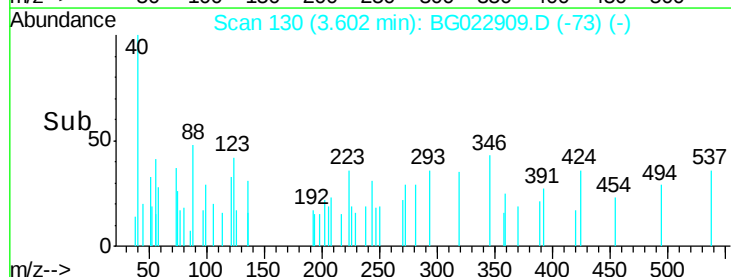
Abundance Ion 88.00 (87.70 to 88.70): BGC

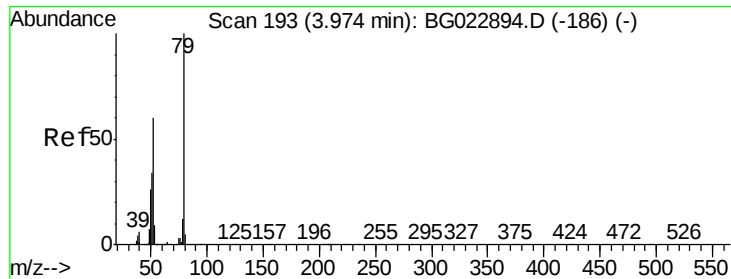
Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC



Time-->





#3

Pyridine

Concen: 13.11 ng

RT: 3.97 min Scan# 193

Delta R.T. -0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Instrument :

BNA_G

ClientSampleId :

MW-3MS

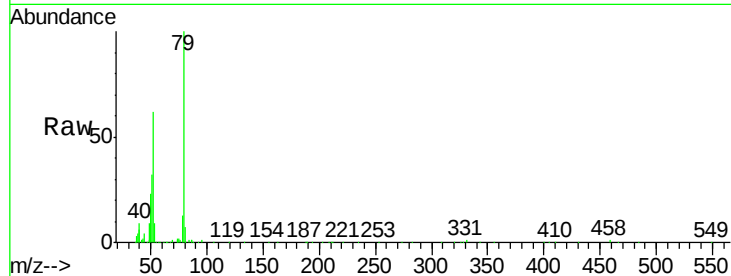
Tgt Ion: 79 Resp: 121568

Ion Ratio Lower Upper

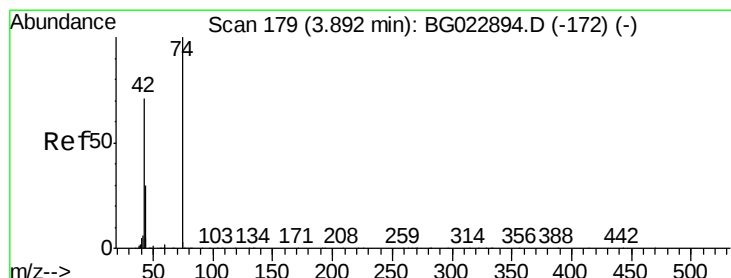
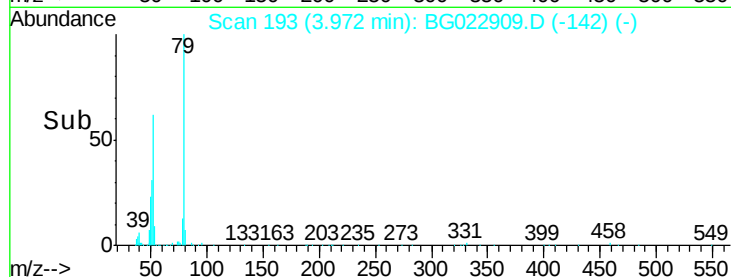
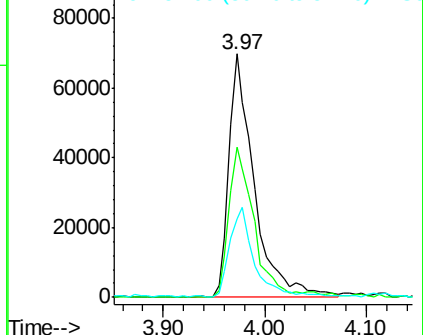
79 100

52 61.7 51.8 77.8

51 32.0 32.7 49.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 19.23 ng

RT: 3.88 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

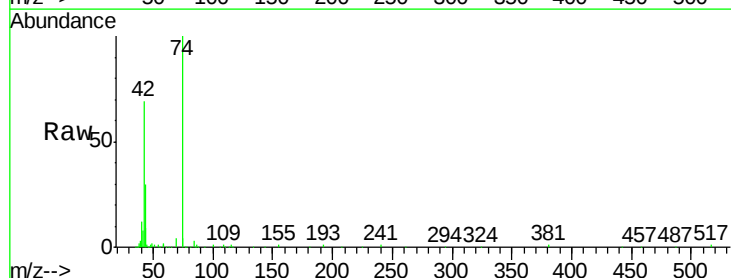
Tgt Ion: 42 Resp: 76479

Ion Ratio Lower Upper

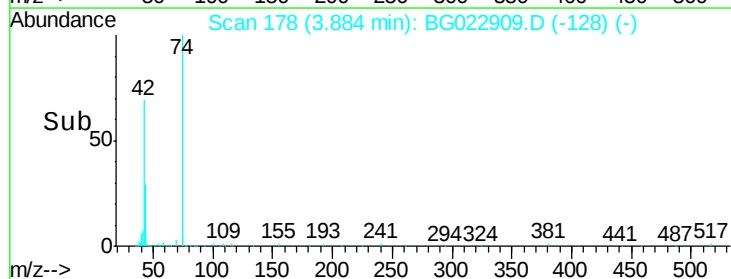
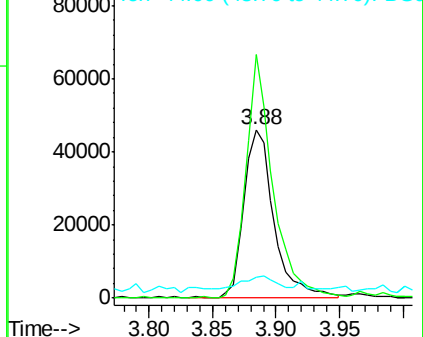
42 100

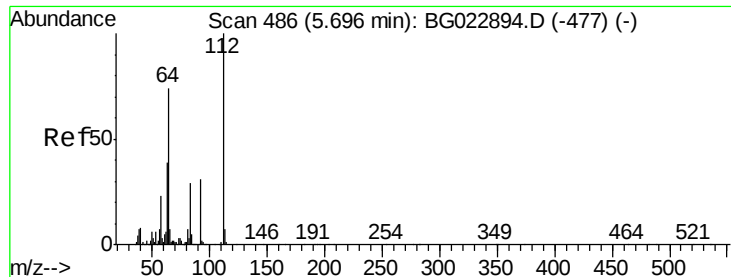
74 144.5 100.6 150.8

44 12.4 4.5 6.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 73.67 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Instrument :

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ClientSampleId :

MW-3MS

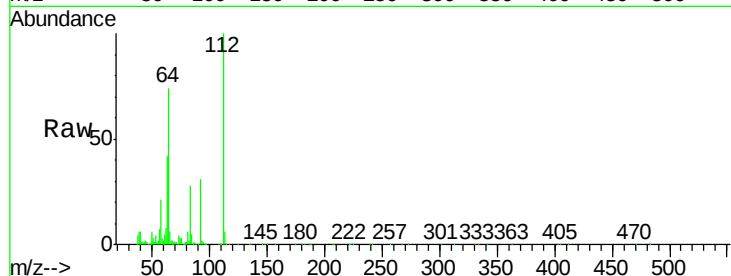
Tgt Ion: 112 Resp: 513456

Ion Ratio Lower Upper

112 100

64 74.4 59.0 88.4

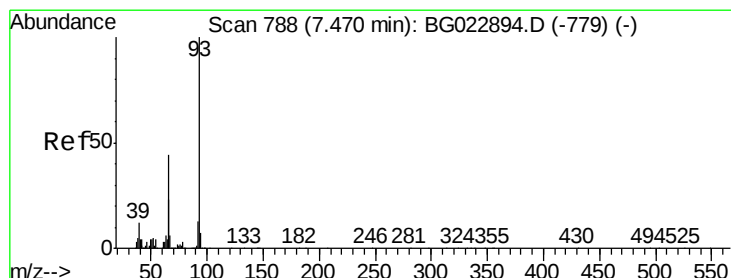
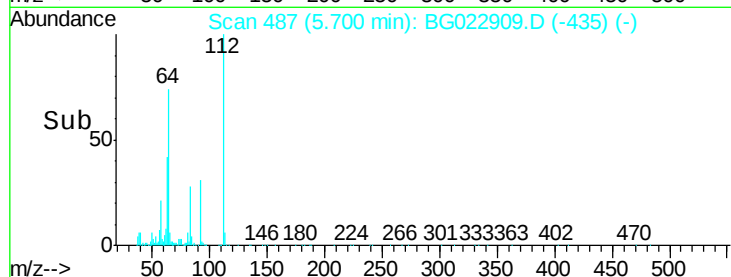
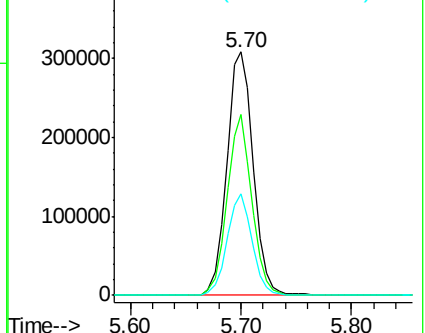
63 41.7 37.8 56.8



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: 23.77 ng

RT: 7.47 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

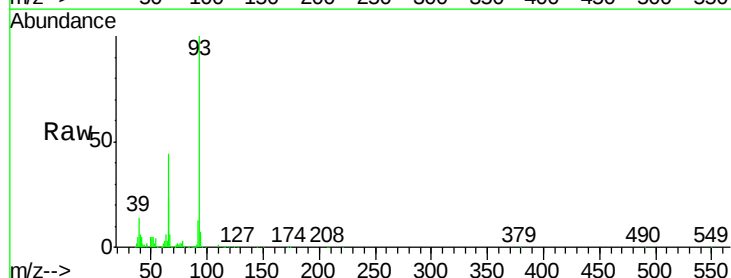
Tgt Ion: 93 Resp: 359615

Ion Ratio Lower Upper

93 100

66 43.9 37.5 56.3

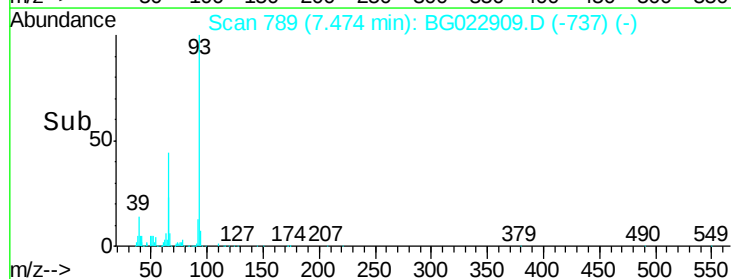
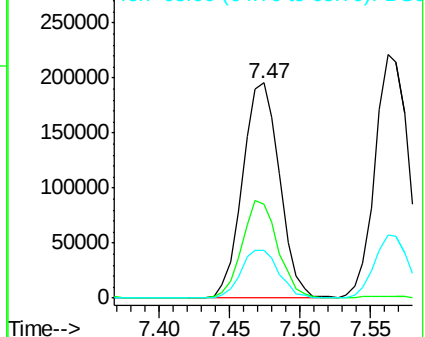
65 22.5 17.9 26.9

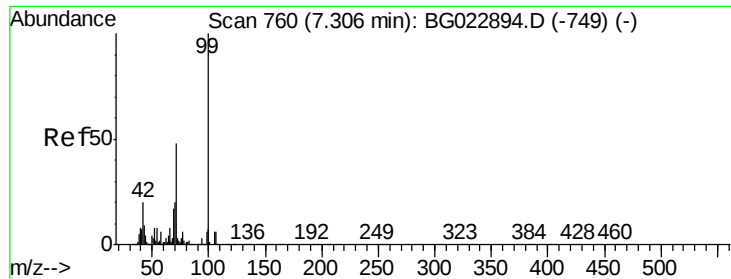


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 48.31 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Instrument :

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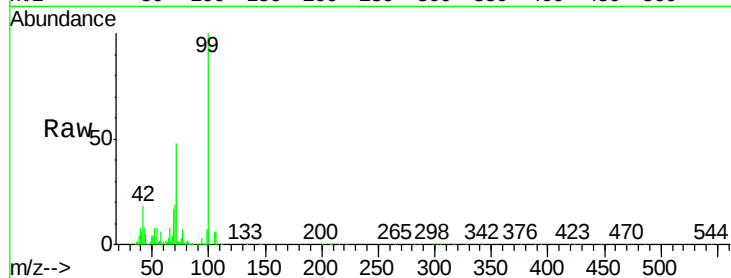
Tgt Ion: 99 Resp: 527295

Ion Ratio Lower Upper

99 100

42 18.3 17.8 26.6

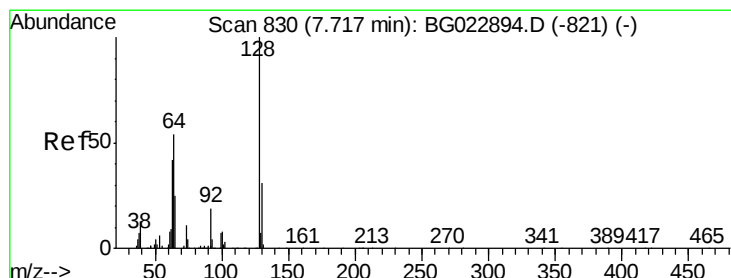
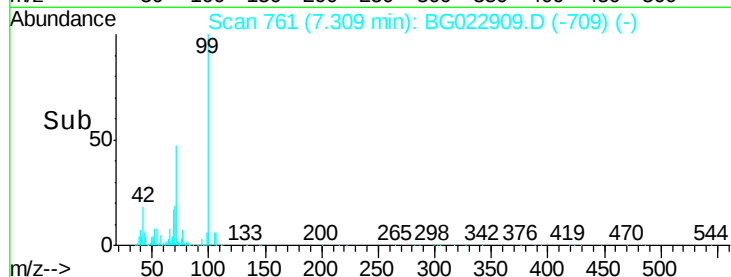
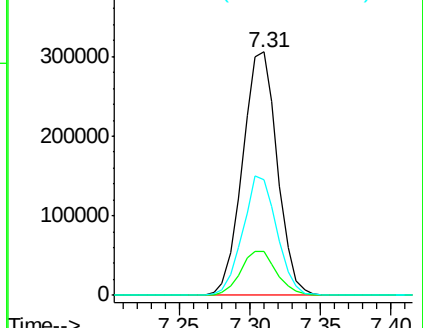
71 47.7 41.5 62.3



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: 39.06 ng

RT: 7.71 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

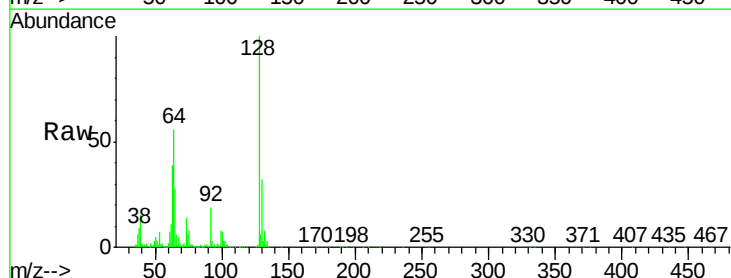
Tgt Ion: 128 Resp: 289675

Ion Ratio Lower Upper

128 100

130 31.7 12.9 52.9

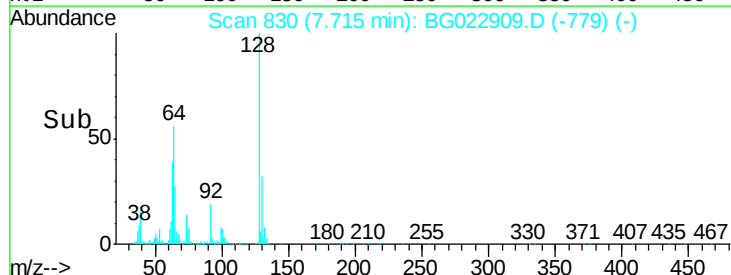
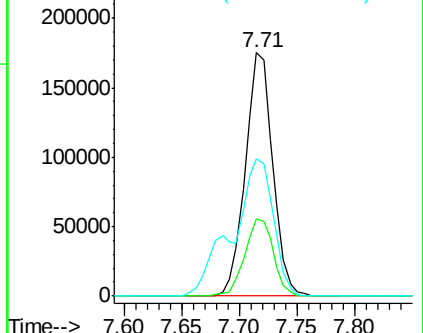
64 56.4 42.0 82.0

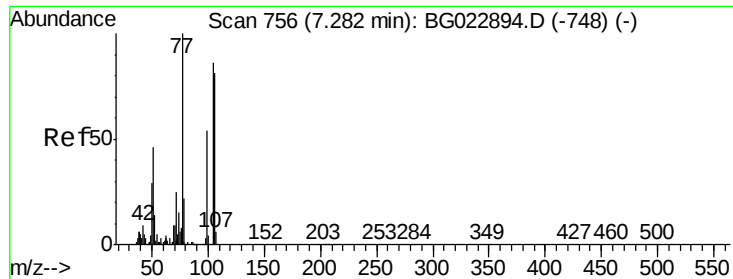


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 48.91 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Instrument :

BNA_G

ClientSampled :

MW-3MS

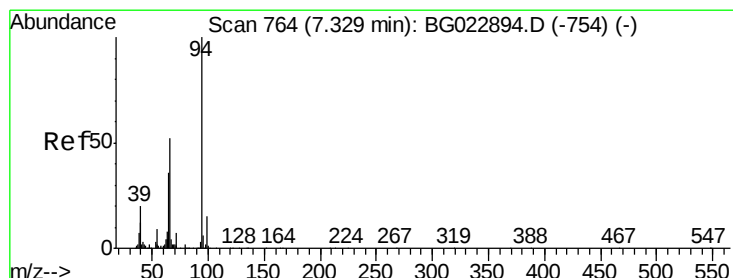
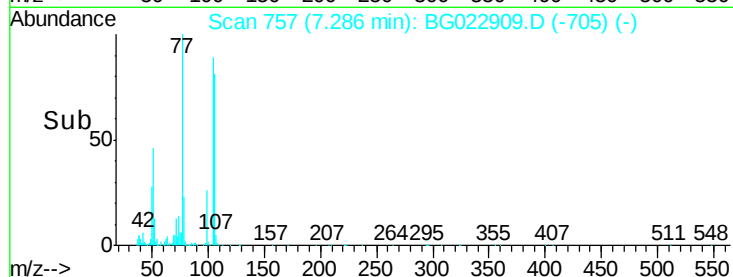
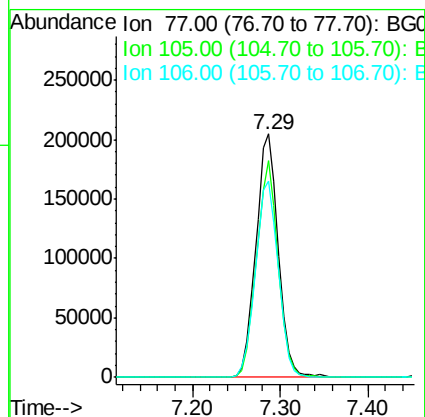
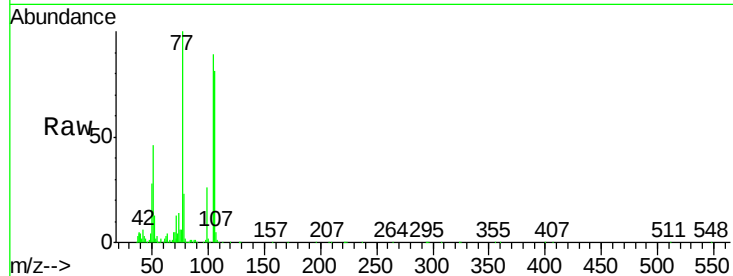
Tgt Ion: 77 Resp: 356711

Ion Ratio Lower Upper

77 100

105 88.8 58.7 98.7

106 80.8 67.5 107.5



#10

Phenol

Concen: 17.29 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

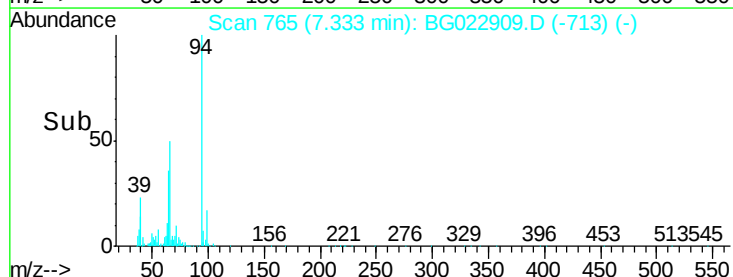
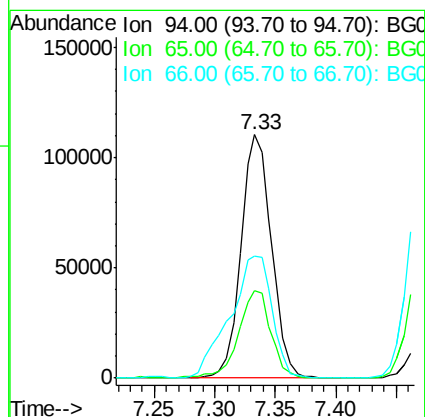
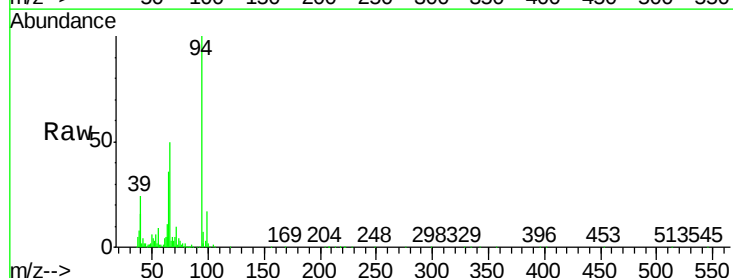
Tgt Ion: 94 Resp: 194191

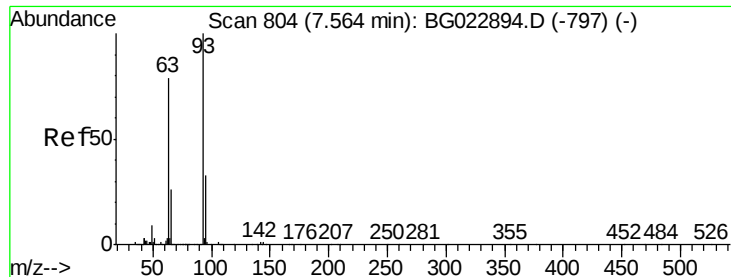
Ion Ratio Lower Upper

94 100

65 35.9 18.1 58.1

66 50.3 42.1 82.1

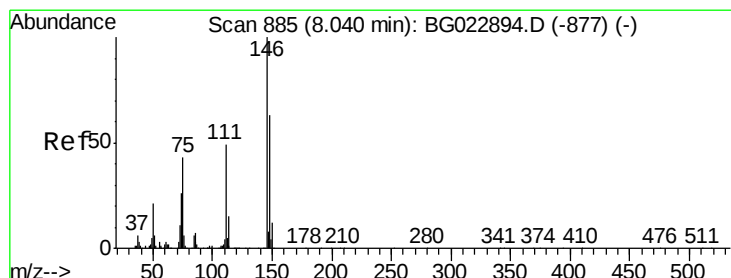
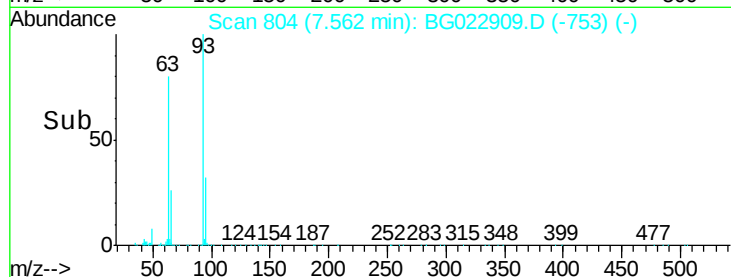
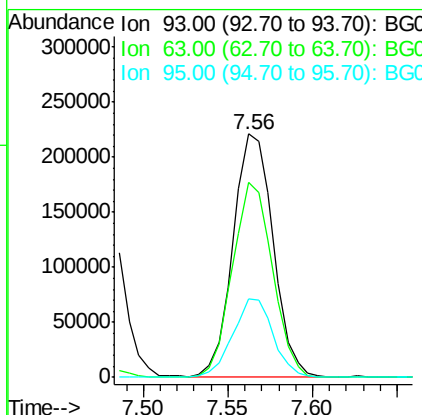
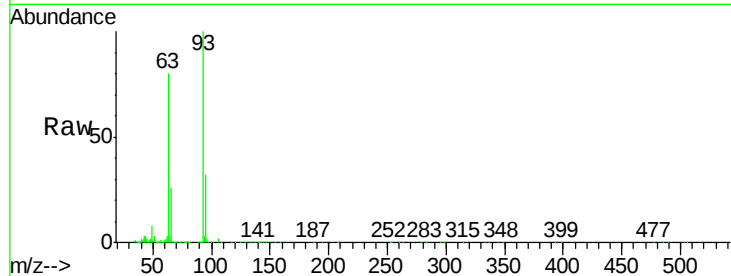




#11
bis(2-Chloroethyl)ether
Concen: 41.00 ng
RT: 7.56 min Scan# 804
Delta R.T. -0.00 min
Lab File: BG022909.D
Acq: 8 Jul 2016 00:03

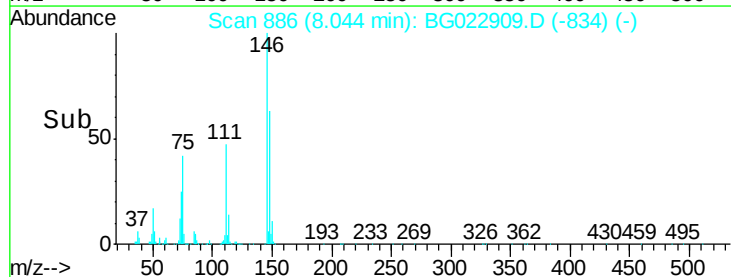
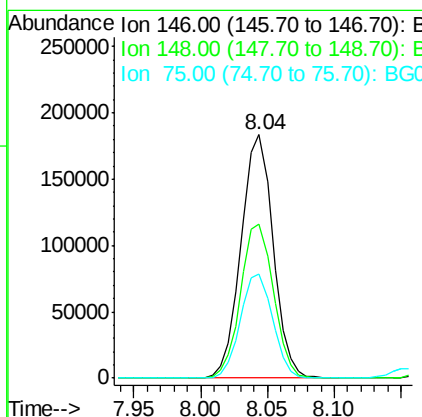
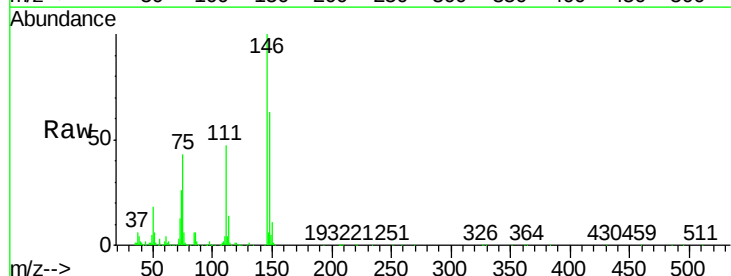
Instrument :
BNA_G
ClientSampled :
MW-3MS

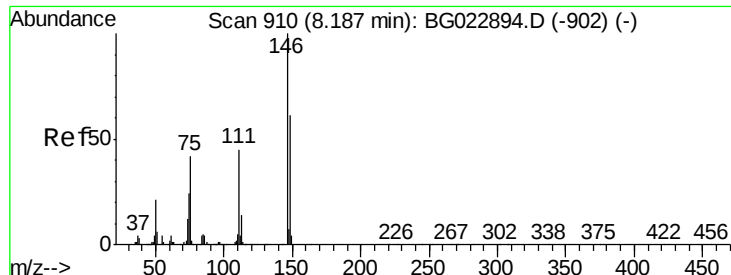
Tgt Ion: 93 Resp: 364961
Ion Ratio Lower Upper
93 100
63 80.3 55.0 95.0
95 32.2 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 33.62 ng
RT: 8.04 min Scan# 886
Delta R.T. 0.00 min
Lab File: BG022909.D
Acq: 8 Jul 2016 00:03

Tgt Ion: 146 Resp: 305225
Ion Ratio Lower Upper
146 100
148 63.3 50.3 75.5
75 42.7 37.0 55.6

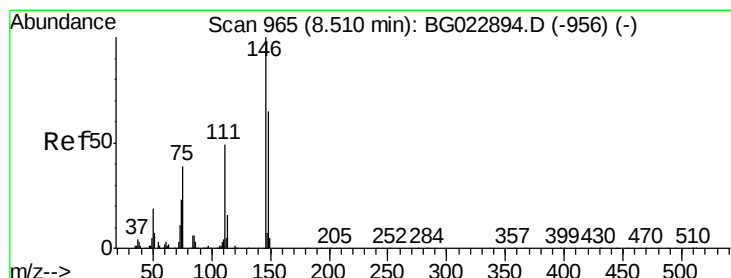
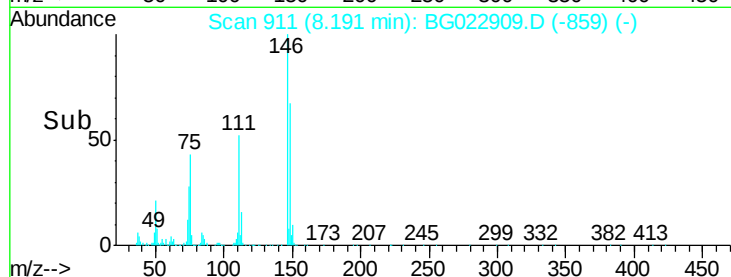
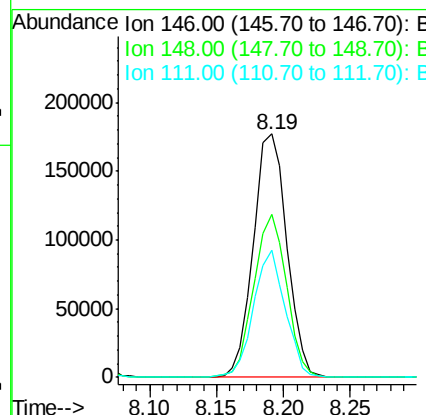
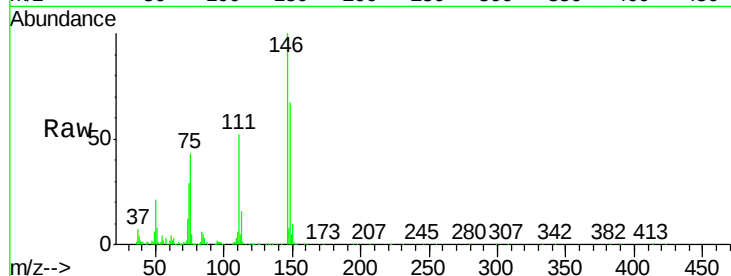




#13
 1,4-Dichlorobenzene
 Concen: 33.77 ng
 RT: 8.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BG022909.D
 Acq: 8 Jul 2016 00:03

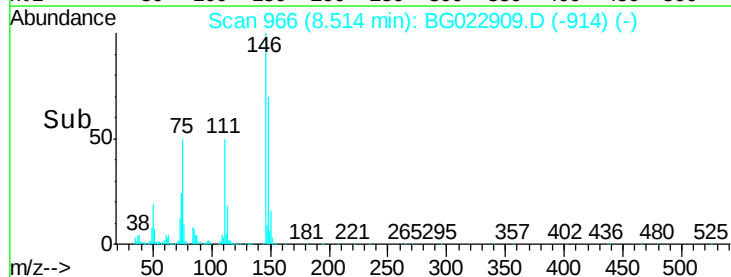
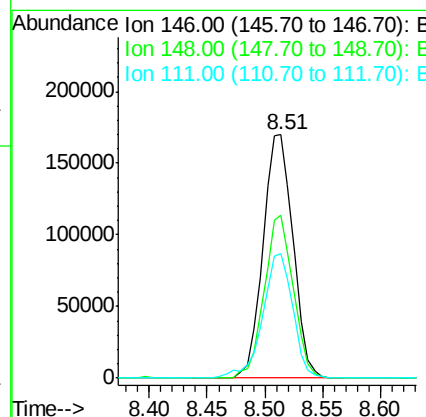
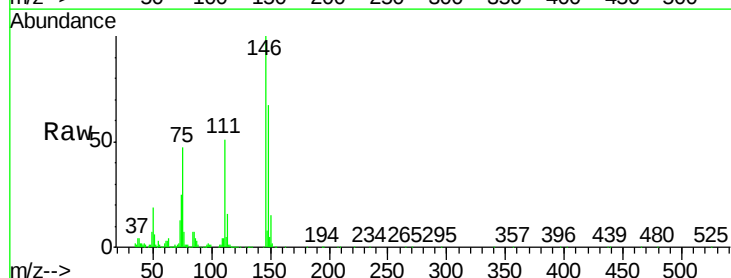
Instrument :
 BNA_G
 ClientSampleId :
 MW-3MS

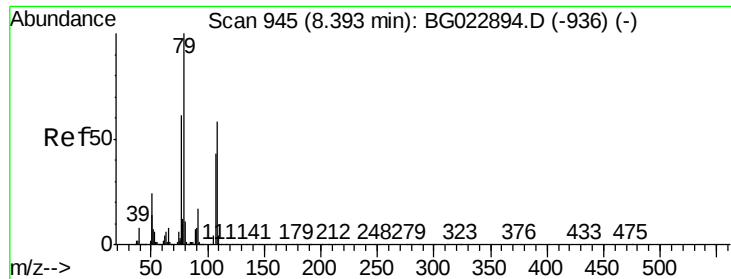
Tgt Ion:146 Resp: 306878
 Ion Ratio Lower Upper
 146 100
 148 67.0 54.5 81.7
 111 52.2 37.8 56.8



#14
 1,2-Dichlorobenzene
 Concen: 34.05 ng
 RT: 8.51 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BG022909.D
 Acq: 8 Jul 2016 00:03

Tgt Ion:146 Resp: 307654
 Ion Ratio Lower Upper
 146 100
 148 67.1 52.9 79.3
 111 51.4 43.5 65.3





#15

Benzyl Alcohol

Concen: 32.86 ng

RT: 8.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Instrument :

BNA_G

ClientSampleId :

MW-3MS

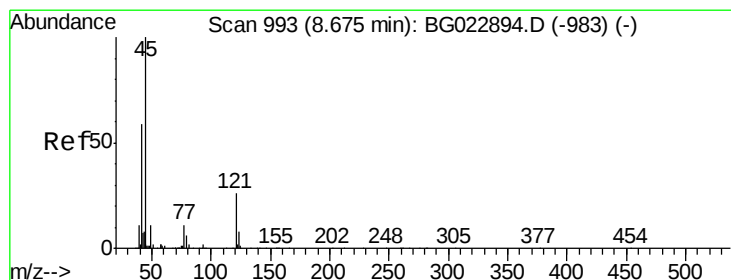
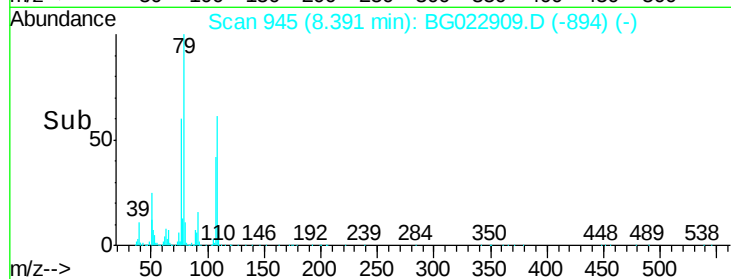
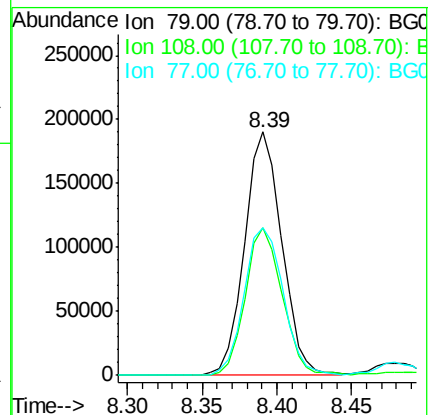
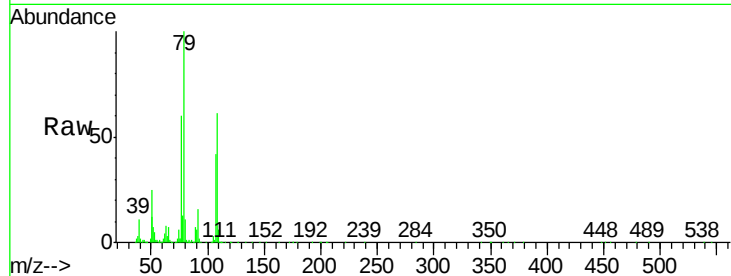
Tgt Ion: 79 Resp: 328524

Ion Ratio Lower Upper

79 100

108 60.6 46.5 69.7

77 60.5 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.91 ng

RT: 8.68 min Scan# 995

Delta R.T. 0.01 min

Lab File: BG022909.D

Acq: 8 Jul 2016 00:03

Tgt Ion: 45 Resp: 423049

Ion Ratio Lower Upper

45 100

77 18.1 0.6 40.6

79 15.3 0.0 36.2

