

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070816\
 Data File : BG022912.D
 Acq On : 8 Jul 2016 2:03
 Operator : UM/SJ
 Sample : H3834-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUPLICATE

Quant Time: Jul 08 04:33:51 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	8.15	152	111901	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	497898	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	394427	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	972805	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1042054	20.00	ng	0.00
86) Perylene-d12	25.20	264	1095506	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	436356	63.78	ng	0.00
7) Phenol-d6	7.31	99	456595	42.61	ng	0.00
23) Nitrobenzene-d5	9.33	82	999973	86.00	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	878505	123.93	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2077354	82.96	ng	0.00
78) Terphenyl-d14	20.16	244	2872495	89.01	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.57	88	692	0.26	ng	# 1
3) Pyridine	3.98	79	217	0.02	ng	# 48
4) n-Nitrosodimethylamine	3.90	42	164	0.04	ng	# 1
6) Aniline	7.48	93	1490	0.10	ng	# 79
8) 2-Chlorophenol	7.71	128	107	0.01	ng	# 1
9) Benzaldehyde	7.27	77	55	0.01	ng	# 13
10) Phenol	7.33	94	2501	0.23	ng	# 1
11) bis(2-Chloroethyl)ether	7.58	93	200	0.02	ng	# 21
12) 1,3-Dichlorobenzene	8.08	146	86	0.01	ng	# 1
13) 1,4-Dichlorobenzene	8.18	146	63	0.01	ng	# 21
14) 1,2-Dichlorobenzene	8.48	146	432	0.05	ng	# 1
15) Benzyl Alcohol	8.39	79	2060	0.21	ng	# 63
16) 2,2'-oxybis(1-Chloropropan	8.55	45	540	0.05	ng	# 67
17) 2-Methylphenol	8.59	107	61	0.01	ng	# 30
18) Hexachloroethane	9.23	117	73	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	8.97	70	1071	0.11	ng	# 1
20) 3+4-Methylphenols	9.03	107	154	0.02	ng	# 88
22) Acetophenone	8.98	105	7675	0.51	ng	# 90
24) Nitrobenzene	9.38	77	354	0.03	ng	# 1
25) Isophorone	9.88	82	3475	0.15	ng	# 34
26) 2-Nitrophenol	10.09	139	57	0.01	ng	# 1
27) 2,4-Dimethylphenol	10.14	122	281	0.03	ng	# 1
28) bis(2-Chloroethoxy)methane	10.38	93	684	0.05	ng	# 1
29) 2,4-Dichlorophenol	10.63	162	60	0.01	ng	# 1
30) 1,2,4-Trichlorobenzene	10.79	180	118	0.01	ng	# 14
31) Naphthalene	11.04	128	1839	0.07	ng	# 53
32) Benzoic acid	10.26	122	276	0.04	ng	# 1
33) 4-Chloroaniline	11.14	127	610	0.05	ng	# 65
34) Hexachlorobutadiene	11.25	225	114	0.01	ng	# 18
35) Caprolactam	11.92	113	2949	0.80	ng	# 60
36) 4-Chloro-3-methylphenol	12.26	107	572	0.05	ng	# 50
37) 2-Methylnaphthalene	12.64	142	1902	0.09	ng	# 76
39) 1,2,4,5-Tetrachlorobenzene	12.94	216	65	0.00	ng	# 25
40) Hexachlorocyclopentadiene	12.97	237	67	0.01	ng	# 26

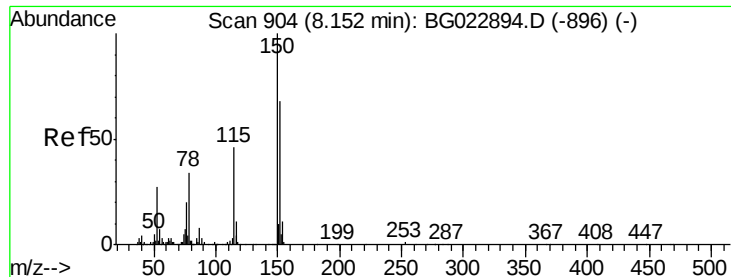
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070816\
 Data File : BG022912.D
 Acq On : 8 Jul 2016 2:03
 Operator : UM/SJ
 Sample : H3834-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUPLICATE

Quant Time: Jul 08 04:33:51 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)
42) 2,4,6-Trichlorophenol	13.25	196	57	0.01	ng	# 11
43) 2,4,5-Trichlorophenol	13.31	196	84	0.01	ng	# 1
45) 1,1'-Biphenyl	13.89	154	282	0.01	ng	77
46) 2-Chloronaphthalene	13.68	162	217	0.01	ng	# 1
47) 2-Nitroaniline	13.88	65	473	0.05	ng	# 31
48) Acenaphthylene	14.52	152	685	0.02	ng	# 71
49) Dimethylphthalate	14.24	163	47359	1.47	ng	# 93
50) 2,6-Dinitrotoluene	14.46	165	502	0.07	ng	95
51) Acenaphthene	14.87	154	772	0.03	ng	# 34
52) 3-Nitroaniline	14.71	138	174	0.02	ng	# 18
53) 2,4-Dinitrophenol	14.93	184	82	0.02	ng	# 8
54) Dibenzofuran	15.19	168	1704	0.05	ng	# 1
55) 4-Nitrophenol	15.00	139	867	0.14	ng	# 68
56) 2,4-Dinitrotoluene	15.16	165	434	0.04	ng	# 63
57) Fluorene	15.85	166	4981	0.16	ng	# 84
58) 2,3,4,6-Tetrachlorophenol	15.39	232	92	0.01	ng	# 1
59) Diethylphthalate	15.60	149	11831	0.36	ng	# 88
60) 4-Chlorophenyl-phenylether	15.83	204	343	0.02	ng	# 60
61) 4-Nitroaniline	15.86	138	446	0.06	ng	# 25
62) Azobenzene	15.85	77	1545	0.05	ng	75
64) 4,6-Dinitro-2-methylphenol	15.93	198	108	0.01	ng	# 1
65) n-Nitrosodiphenylamine	16.09	169	1032	0.04	ng	# 24
66) 4-Bromophenyl-phenylether	16.73	248	137	0.01	ng	# 13
67) Hexachlorobenzene	16.87	284	105	0.01	ng	# 1
68) Atrazine	17.00	200	466	0.04	ng	# 49
69) Pentachlorophenol	17.21	266	493	0.06	ng	# 40
70) Phenanthrene	17.60	178	17073	0.36	ng	95
71) Anthracene	17.60	178	16954	0.35	ng	95
72) Carbazole	17.95	167	1809	0.04	ng	# 1
73) Di-n-butylphthalate	18.50	149	47447	1.02	ng	96
74) Fluoranthene	19.61	202	3797	0.06	ng	88
76) Benzidine	19.79	184	511	0.02	ng	# 1
77) Pyrene	19.98	202	1462	0.02	ng	# 8
79) Butylbenzylphthalate	20.83	149	5143	0.22	ng	88
80) Benzo(a)anthracene	21.84	228	5400	0.09	ng	# 69
81) 3,3'-Dichlorobenzidine	21.73	252	1562	0.06	ng	# 25
82) Chrysene	21.90	228	2315	0.04	ng	# 45
83) Bis(2-ethylhexyl)phthalate	21.70	149	17758	0.55	ng	# 82
84) Di-n-octyl phthalate	22.95	149	1712	0.03	ng	# 1
85) Indeno(1,2,3-cd)pyrene	29.02	276	706	0.01	ng	# 100
87) Benzo(b)fluoranthene	24.15	252	564	0.01	ng	# 1
88) Benzo(k)fluoranthene	24.19	252	639	0.01	ng	# 1
89) Benzo(a)pyrene	25.03	252	1248	0.02	ng	# 1
90) Dibenzo(a,h)anthracene	29.08	278	895	0.01	ng	# 1
91) Benzo(g,h,i)perylene	30.23	276	679	0.01	ng	# 12

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 905

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

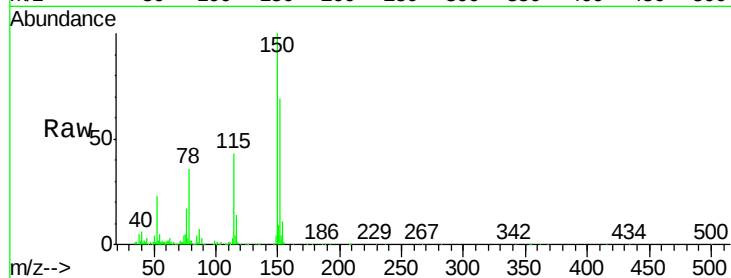
Tgt Ion:152 Resp: 111901

Ion Ratio Lower Upper

152 100

150 145.7 144.7 217.1

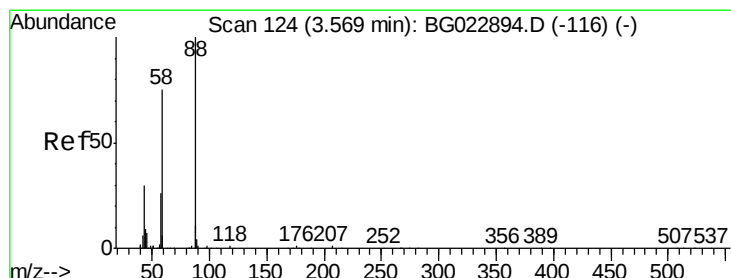
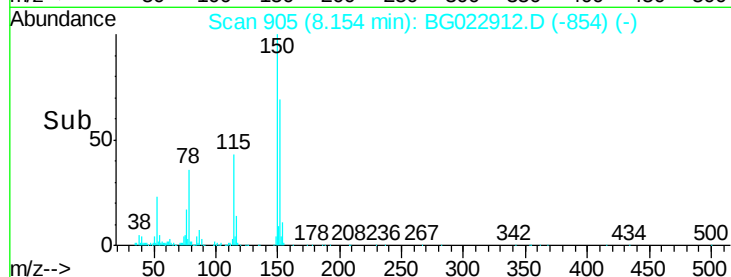
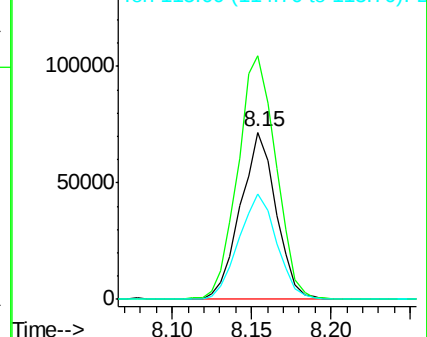
115 63.0 64.0 96.0#



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: 0.26 ng

RT: 3.57 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

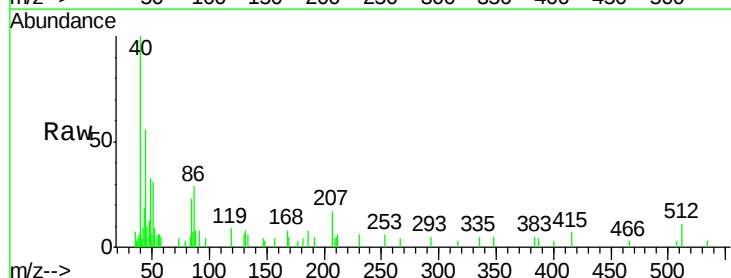
Tgt Ion: 88 Resp: 692

Ion Ratio Lower Upper

88 100

58 13.7 60.4 90.6#

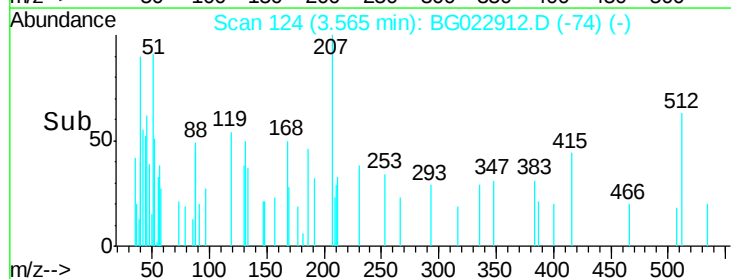
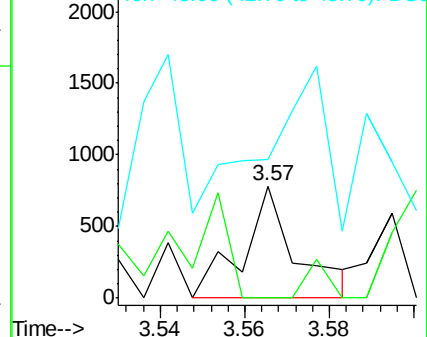
43 152.3 31.1 46.7#

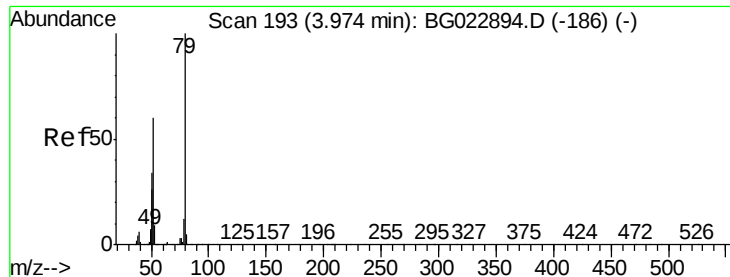


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 0.02 ng

RT: 3.98 min Scan# 195

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

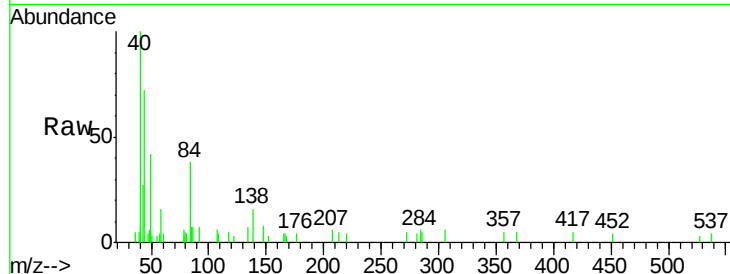
Tgt Ion: 79 Resp: 217

Ion Ratio Lower Upper

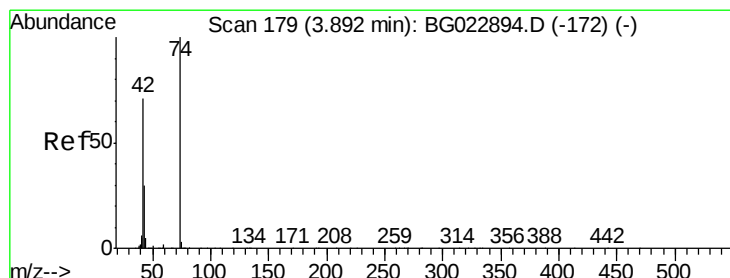
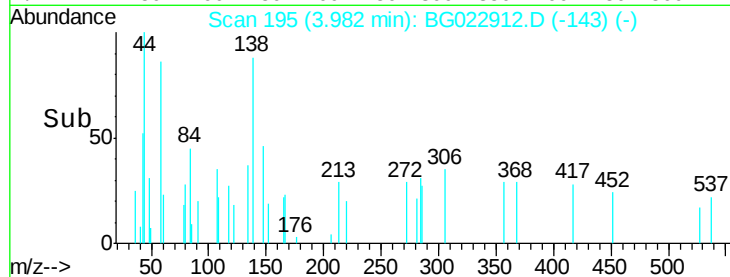
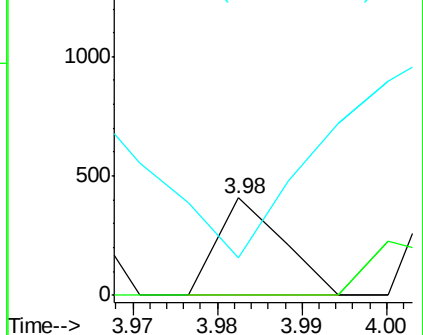
79 100

52 0.0 51.8 77.8#

51 39.1 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: 0.04 ng

RT: 3.90 min Scan# 181

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

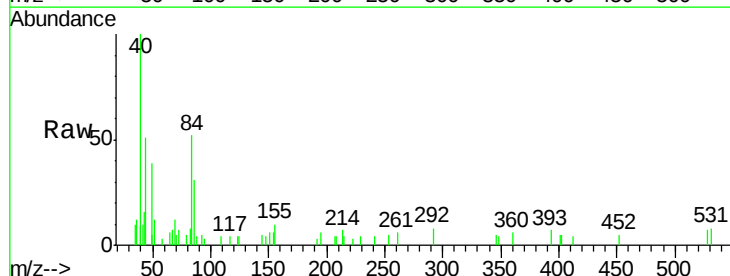
Tgt Ion: 42 Resp: 164

Ion Ratio Lower Upper

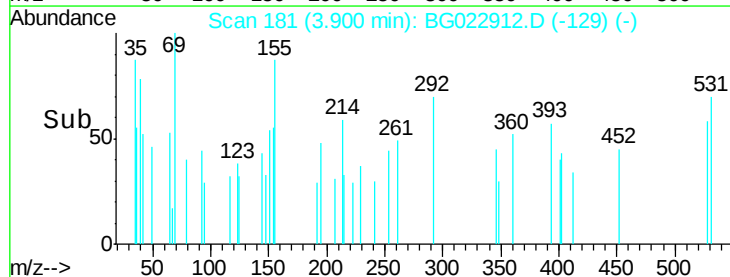
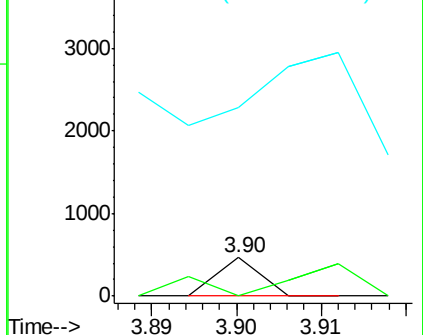
42 100

74 0.0 100.6 150.8#

44 490.5 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: 63.78 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

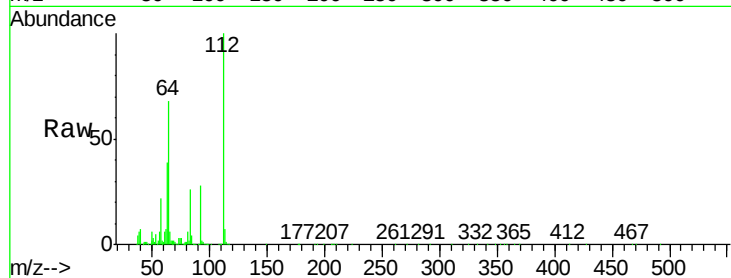
Tgt Ion: 112 Resp: 436356

Ion Ratio Lower Upper

112 100

64 67.7 59.0 88.4

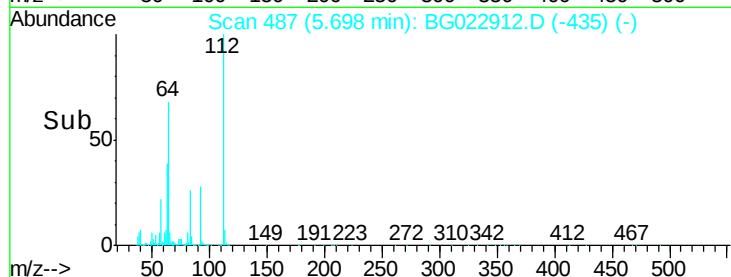
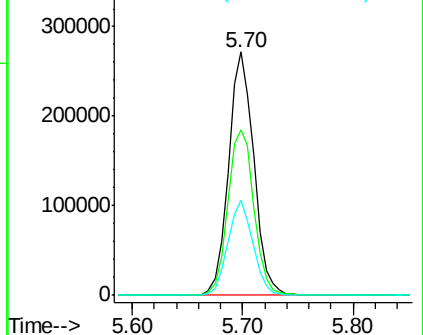
63 39.2 37.8 56.8



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: 0.10 ng

RT: 7.48 min Scan# 790

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

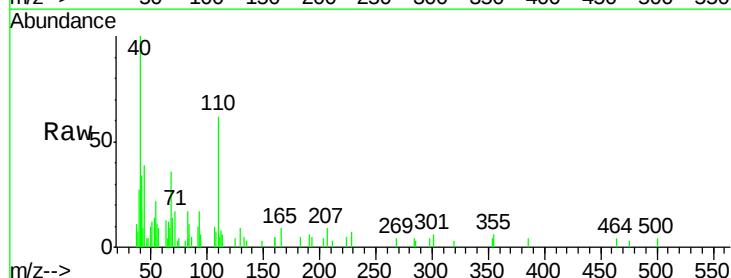
Tgt Ion: 93 Resp: 1490

Ion Ratio Lower Upper

93 100

66 67.1 37.5 56.3#

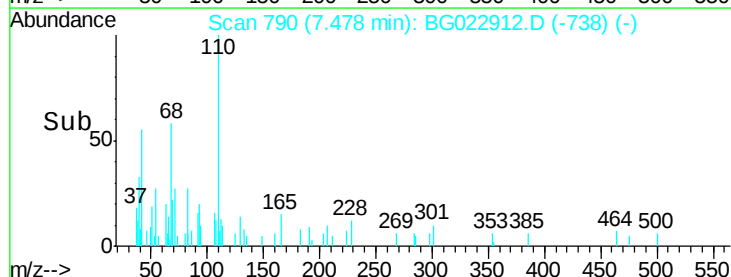
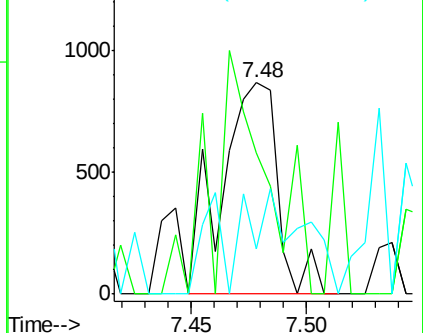
65 21.7 17.9 26.9

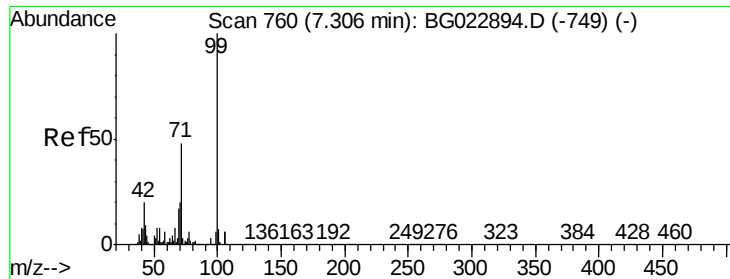


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 42.61 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

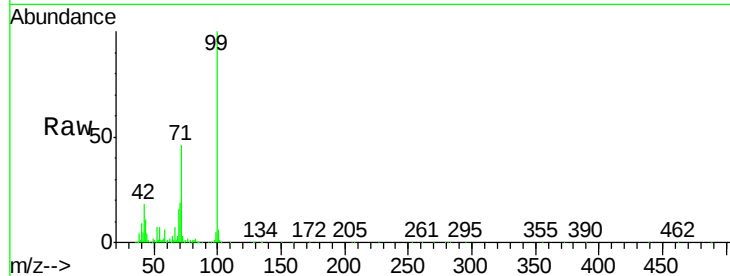
Tgt Ion: 99 Resp: 456595

Ion Ratio Lower Upper

99 100

42 17.6 17.8 26.6#

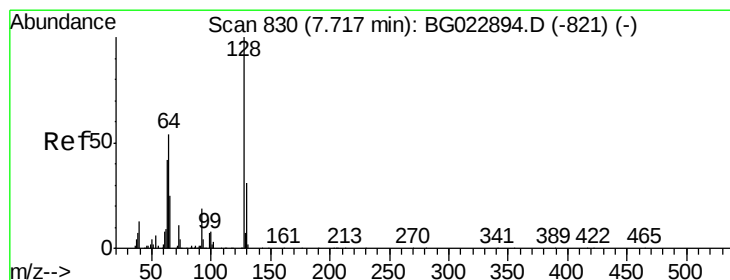
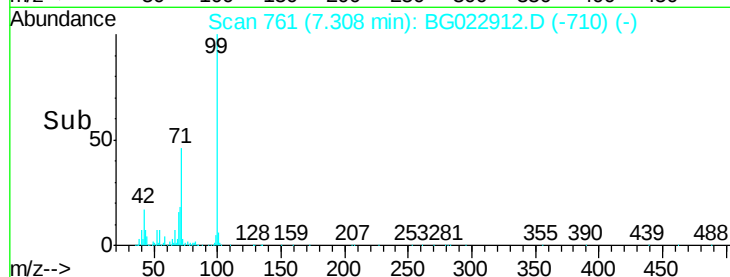
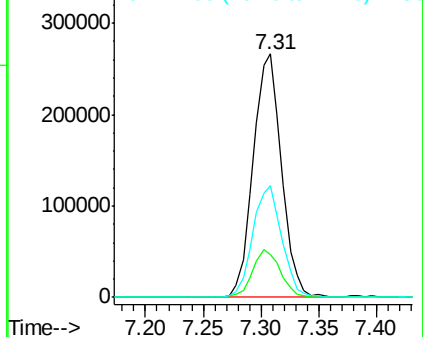
71 46.1 41.5 62.3



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: 0.01 ng

RT: 7.71 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

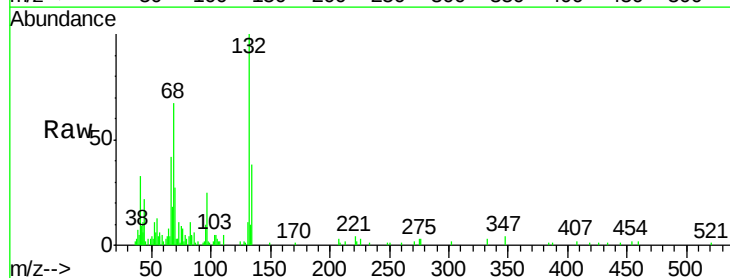
Tgt Ion: 128 Resp: 107

Ion Ratio Lower Upper

128 100

130 0.0 12.9 52.9#

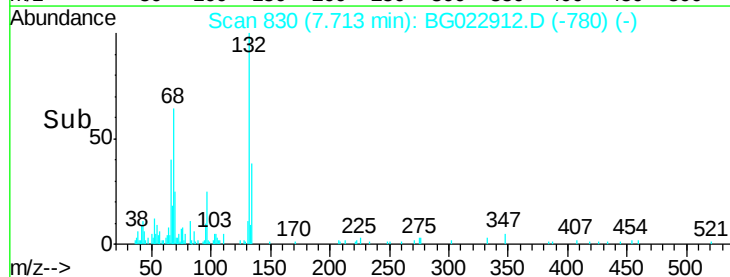
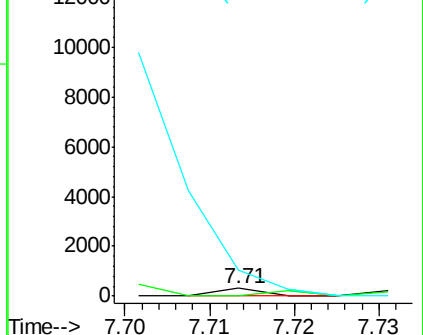
64 352.8 42.0 82.0#

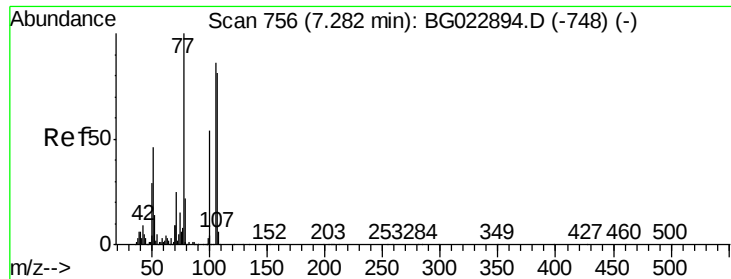


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.01 ng

RT: 7.27 min Scan# 754

Delta R.T. -0.02 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampled :

DUPLICATE

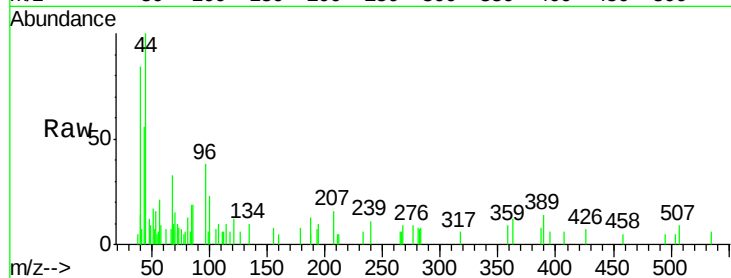
Tgt Ion: 77 Resp: 55

Ion Ratio Lower Upper

77 100

105 148.4 58.7 98.7#

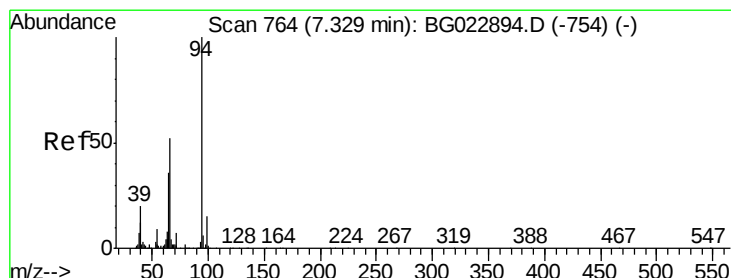
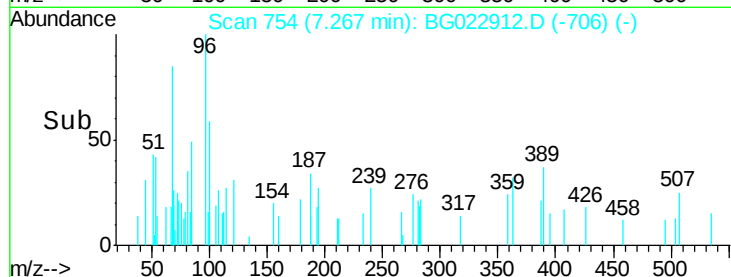
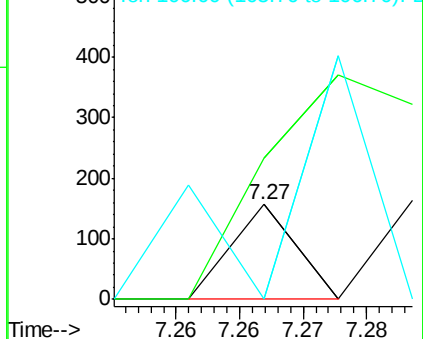
106 0.0 67.5 107.5#



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: 0.23 ng

RT: 7.33 min Scan# 764

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

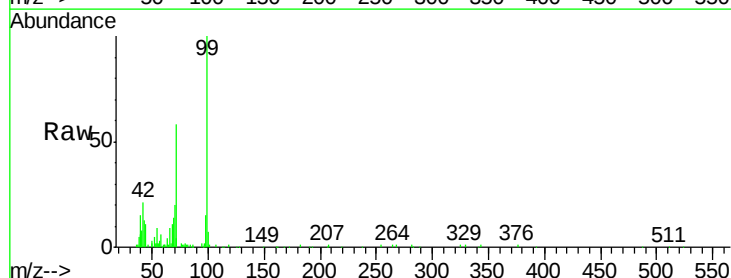
Tgt Ion: 94 Resp: 2501

Ion Ratio Lower Upper

94 100

65 51.5 18.1 58.1

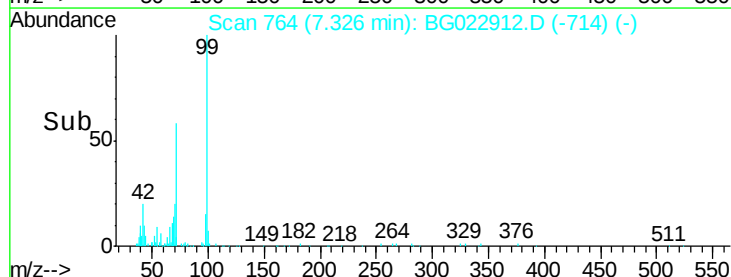
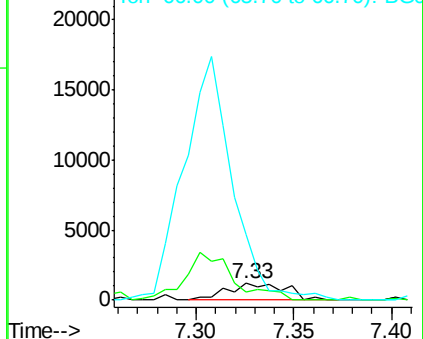
66 397.2 42.1 82.1#

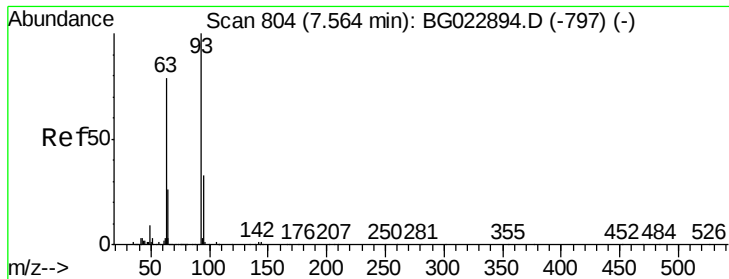


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

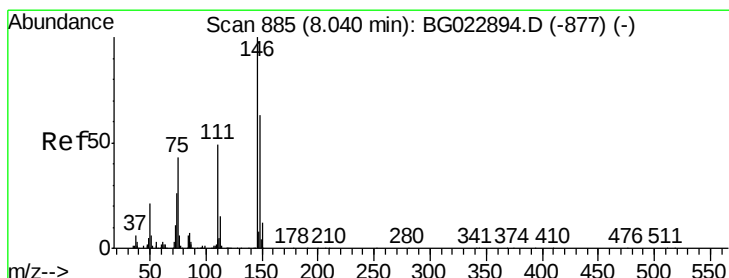
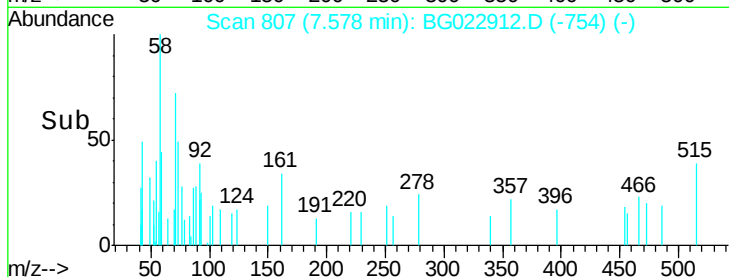
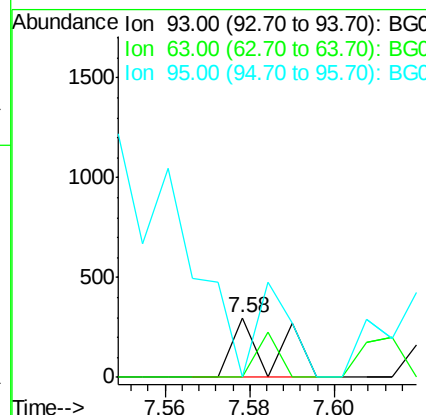
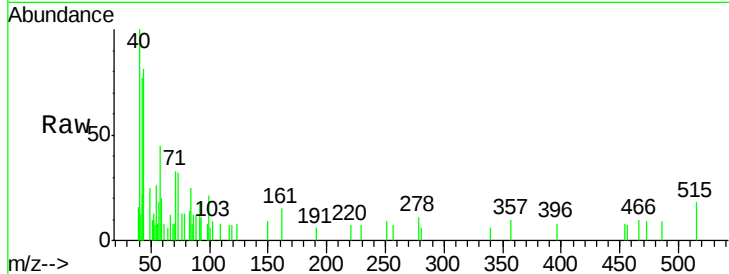




#11
bis(2-Chloroethyl)ether
Concen: 0.02 ng
RT: 7.58 min Scan# 807
Delta R.T. 0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

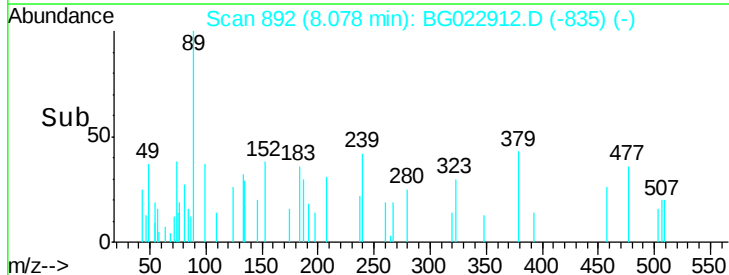
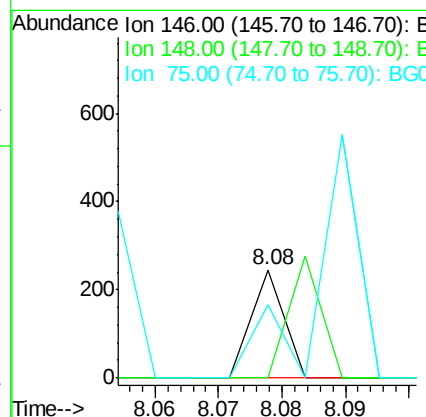
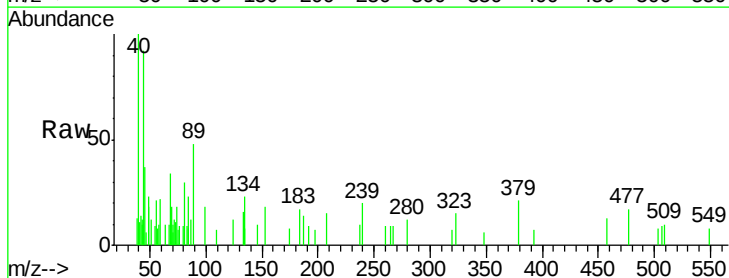
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

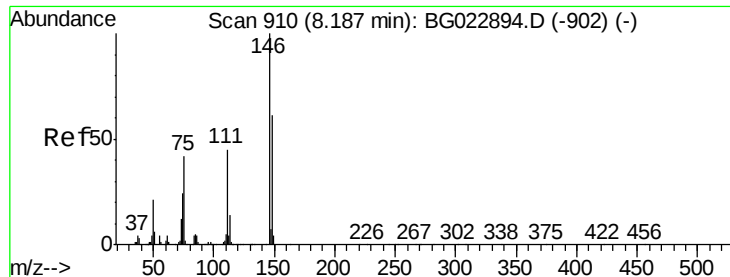
Tgt Ion: 93 Resp: 200
Ion Ratio Lower Upper
93 100
63 0.0 55.0 95.0#
95 0.0 11.0 51.0#



#12
1,3-Dichlorobenzene
Concen: 0.01 ng
RT: 8.08 min Scan# 892
Delta R.T. 0.04 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion: 146 Resp: 86
Ion Ratio Lower Upper
146 100
148 0.0 50.3 75.5#
75 164.9 37.0 55.6#

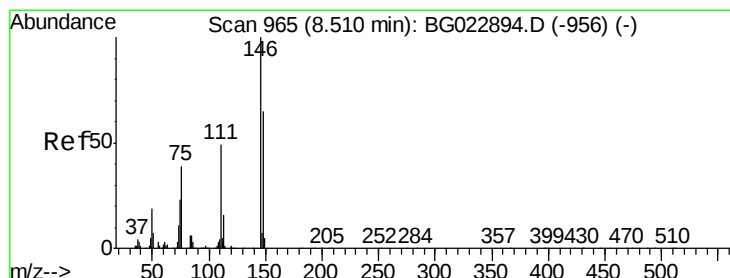
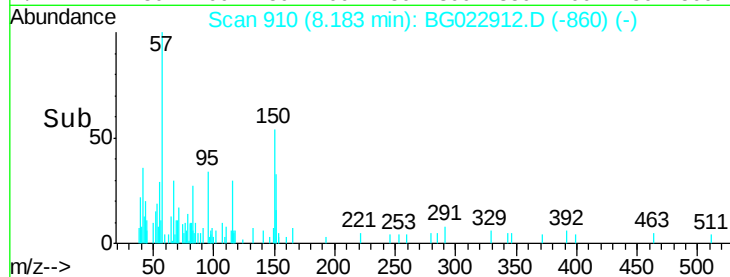
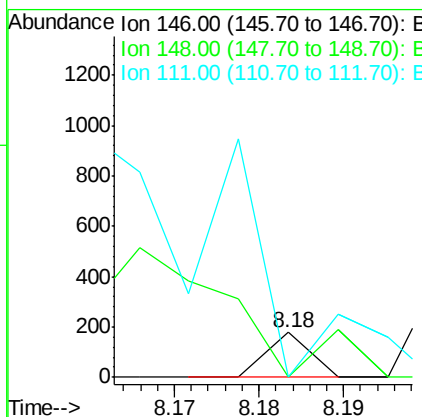
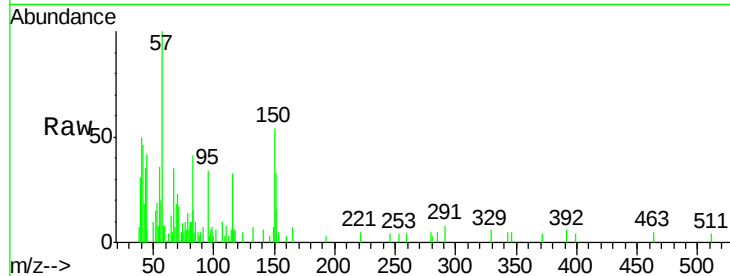




#13
 1,4-Dichlorobenzene
 Concen: 0.01 ng
 RT: 8.18 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

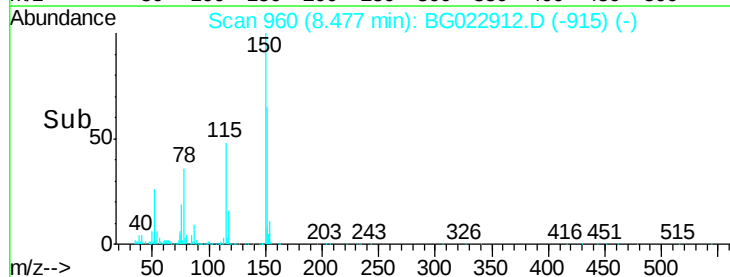
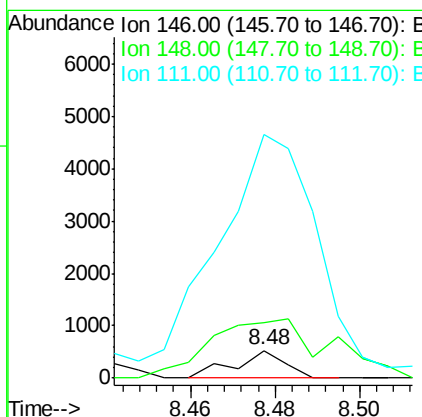
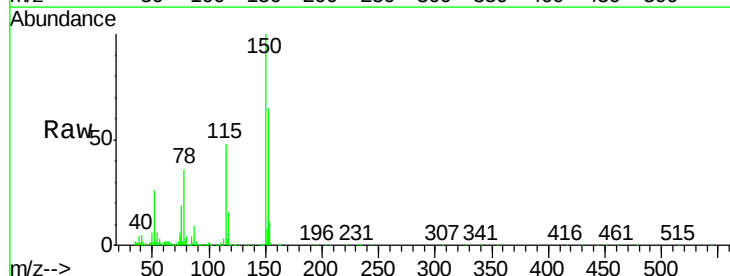
Instrument :
 BNA_G
 ClientSampled :
 DUPLICATE

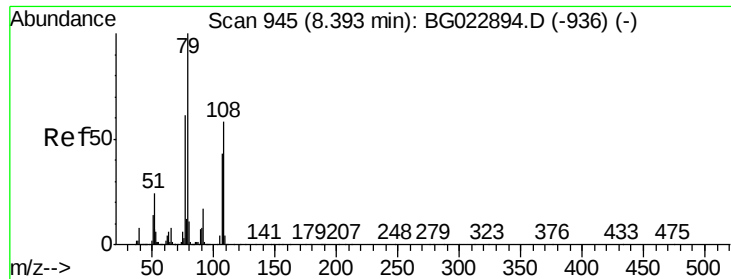
Tgt Ion:146 Resp: 63
 Ion Ratio Lower Upper
 146 100
 148 0.0 54.5 81.7#
 111 0.0 37.8 56.8#



#14
 1,2-Dichlorobenzene
 Concen: 0.05 ng
 RT: 8.48 min Scan# 960
 Delta R.T. -0.03 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

Tgt Ion:146 Resp: 432
 Ion Ratio Lower Upper
 146 100
 148 199.4 52.9 79.3#
 111 872.8 43.5 65.3#





#15

Benzyl Alcohol

Concen: 0.21 ng

RT: 8.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

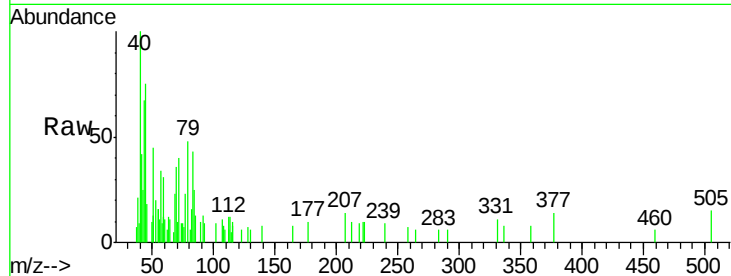
Tgt Ion: 79 Resp: 2060

Ion Ratio Lower Upper

79 100

108 16.6 46.5 69.7#

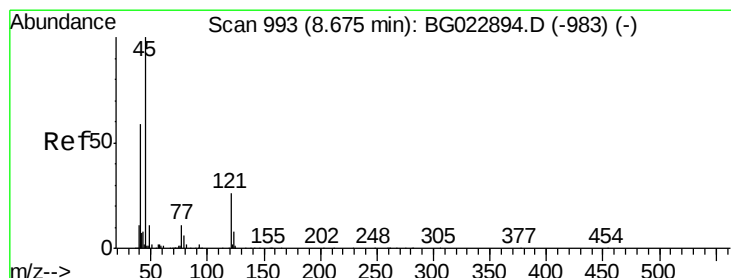
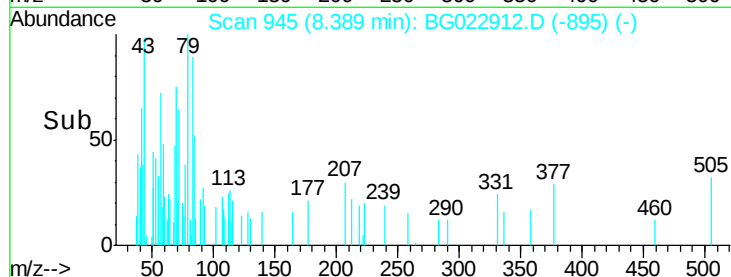
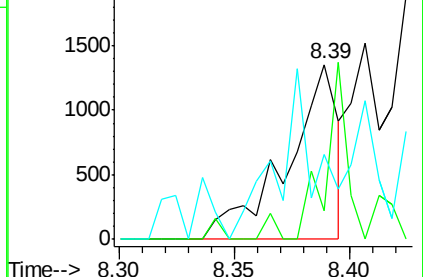
77 48.7 52.3 78.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.05 ng

RT: 8.55 min Scan# 972

Delta R.T. -0.13 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

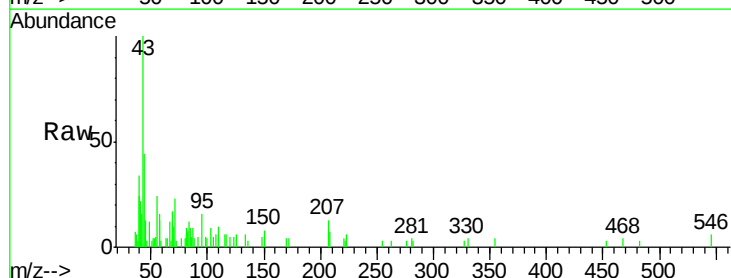
Tgt Ion: 45 Resp: 540

Ion Ratio Lower Upper

45 100

77 34.2 0.6 40.6

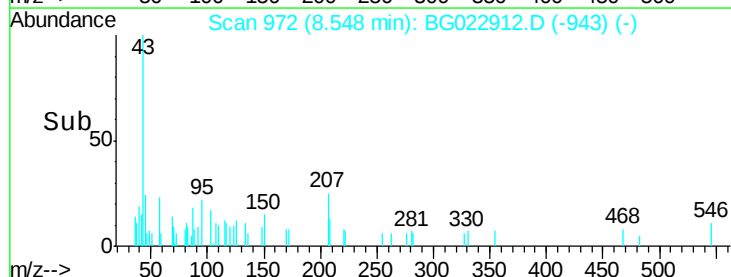
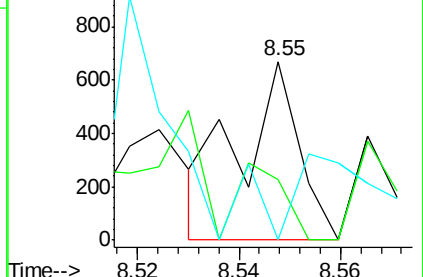
79 0.0 0.0 36.2

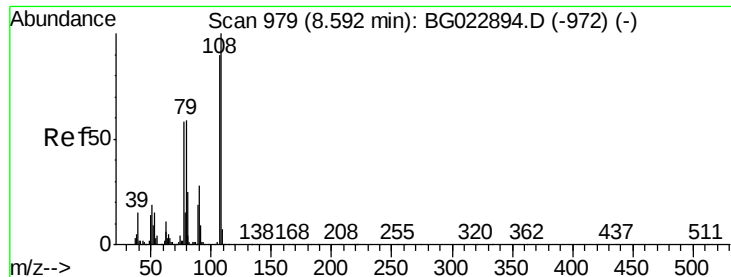


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

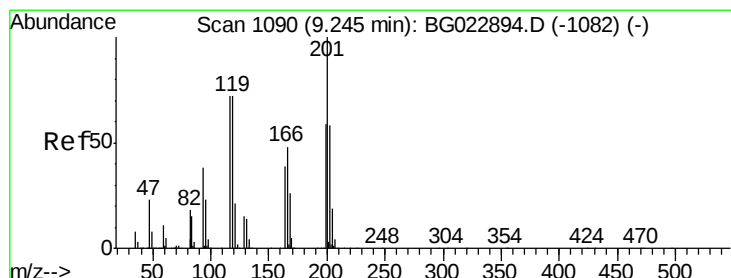
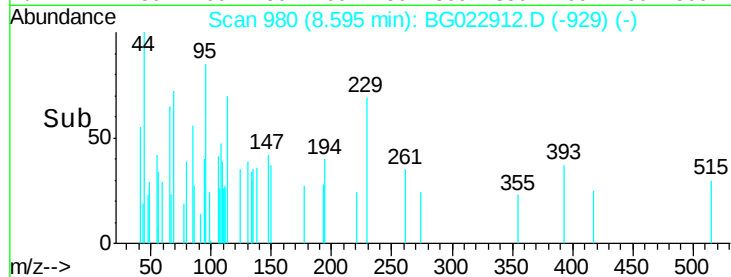
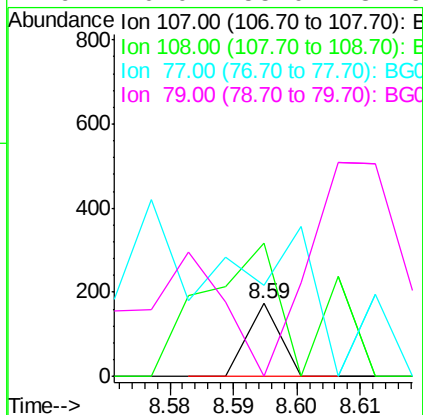
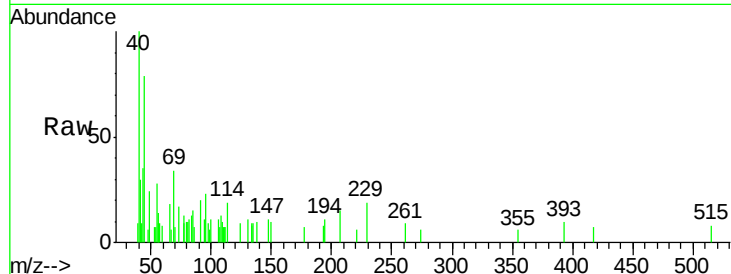




#17
2-Methylphenol
Concen: 0.01 ng
RT: 8.59 min Scan# 980
Delta R.T. 0.00 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

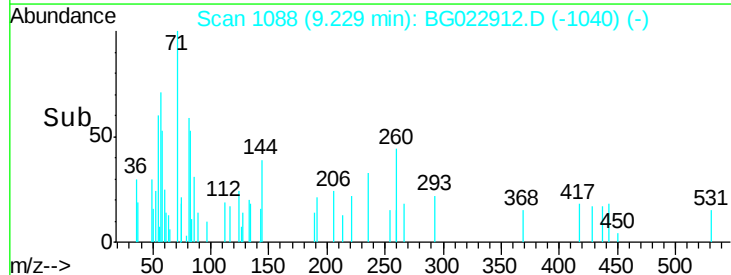
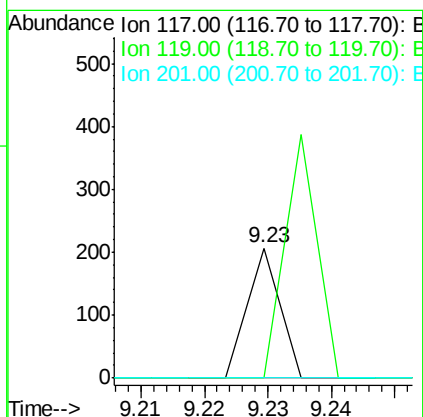
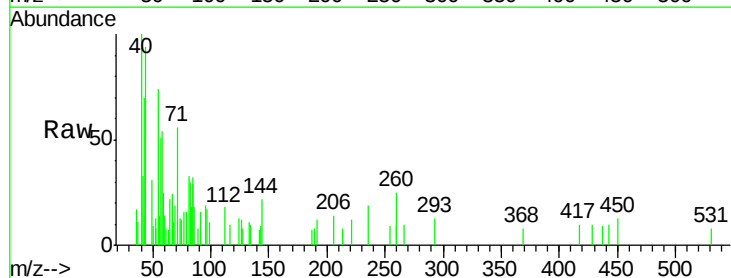
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

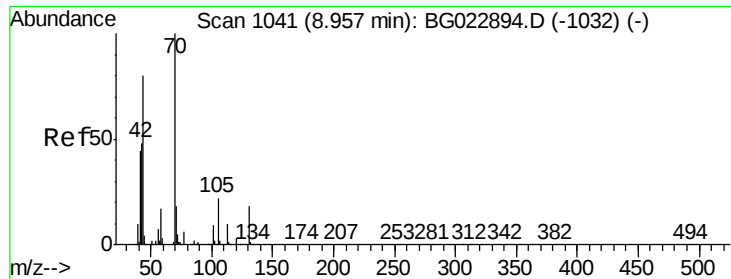
Tgt Ion:	107	Resp:	61
Ion	Ratio	Lower	Upper
107	100		
108	183.8	92.0	138.0#
77	125.4	55.8	83.6#
79	0.0	55.0	82.6#



#18
Hexachloroethane
Concen: 0.02 ng
RT: 9.23 min Scan# 1088
Delta R.T. -0.02 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:	117	Resp:	73
Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.7	110.5#
201	0.0	88.7	133.1#

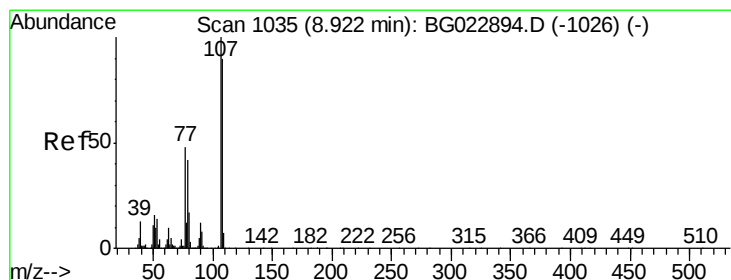
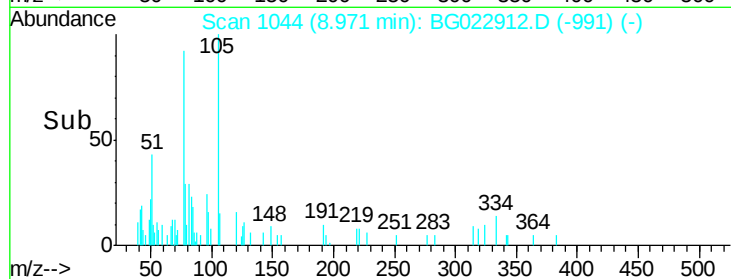
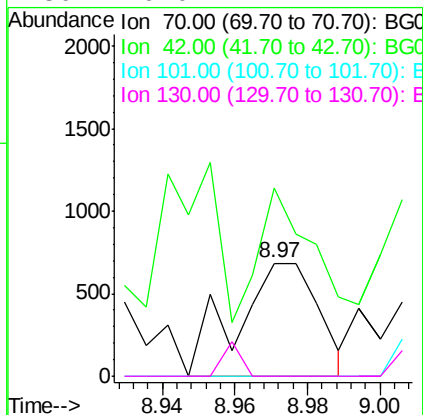
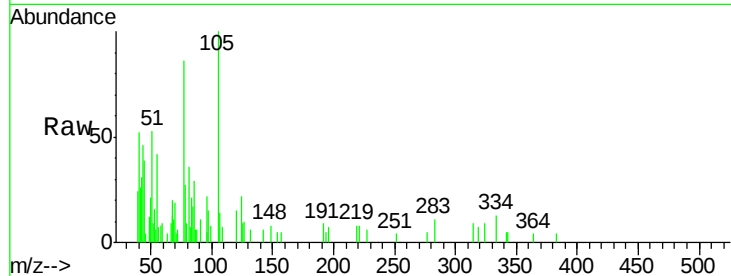




#19
n-Nitroso-di-n-propylamine
Concen: 0.11 ng
RT: 8.97 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

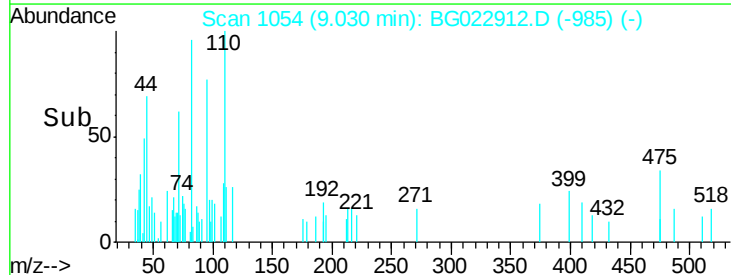
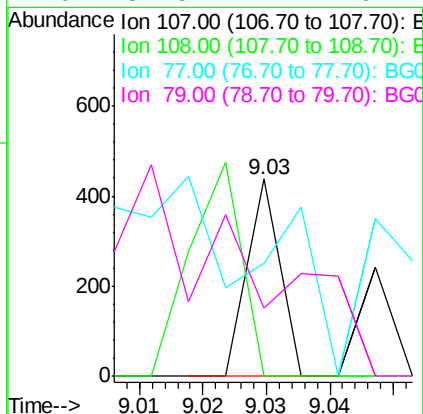
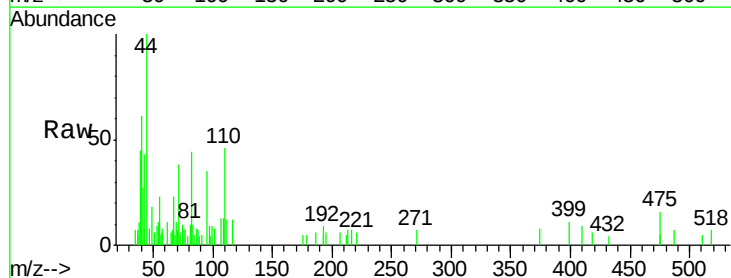
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

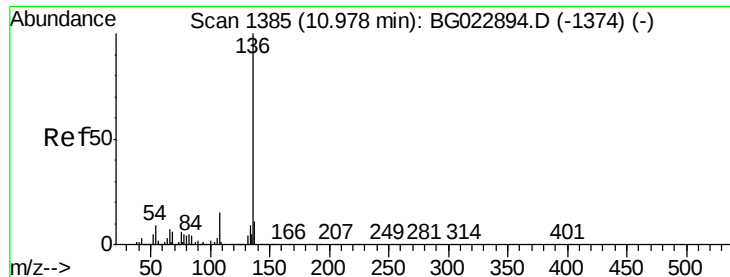
Tgt Ion:	70	Resp:	1071
Ion	Ratio	Lower	Upper
70	100		
42	166.6	42.1	63.1#
101	0.0	7.2	10.8#
130	0.0	14.2	21.2#



#20
3+4-Methylphenols
Concen: 0.02 ng
RT: 9.03 min Scan# 1054
Delta R.T. 0.11 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:	107	Resp:	154
Ion	Ratio	Lower	Upper
107	100		
108	103.0	72.5	112.5
77	57.1	30.1	70.1
79	34.5	24.2	64.2

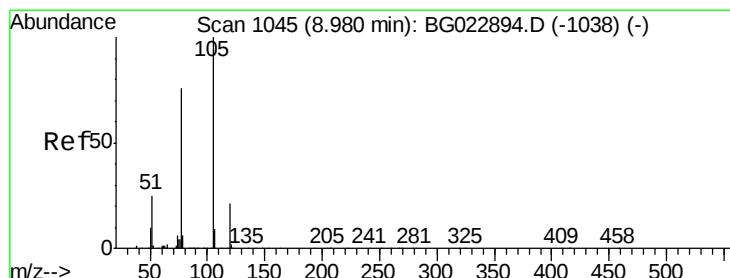
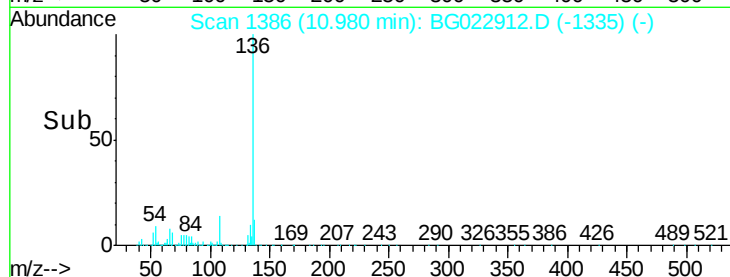
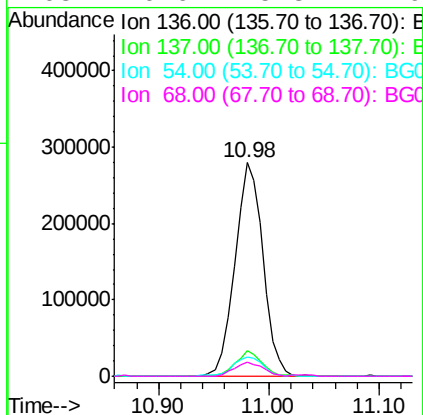
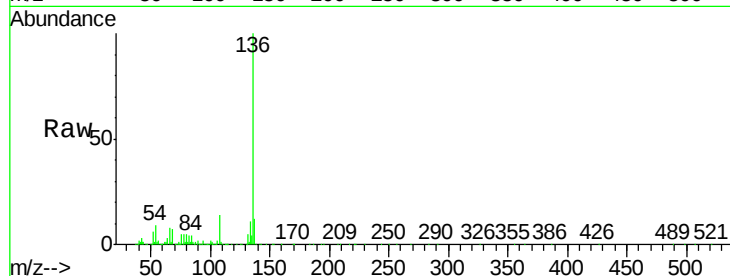




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

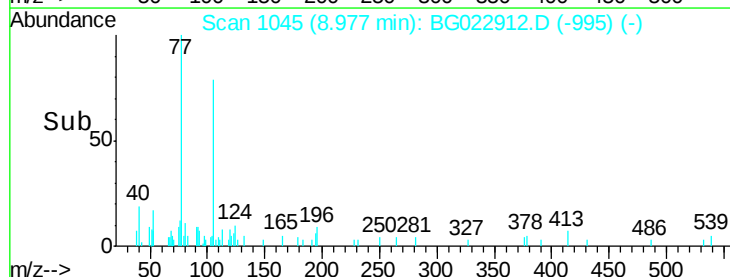
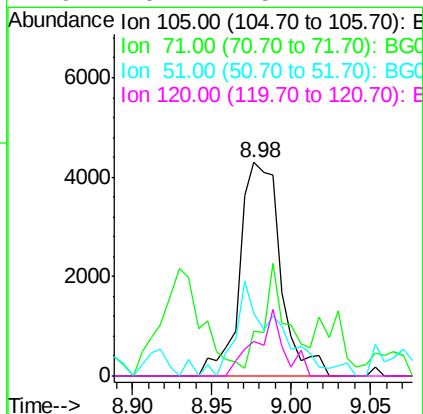
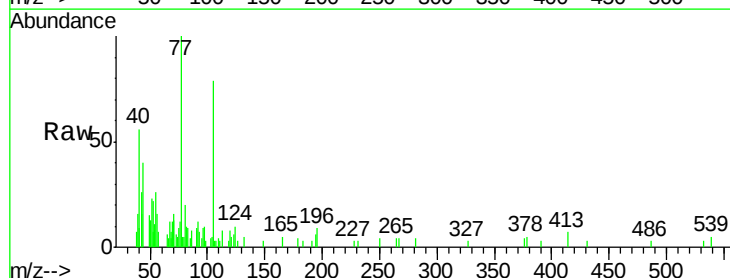
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

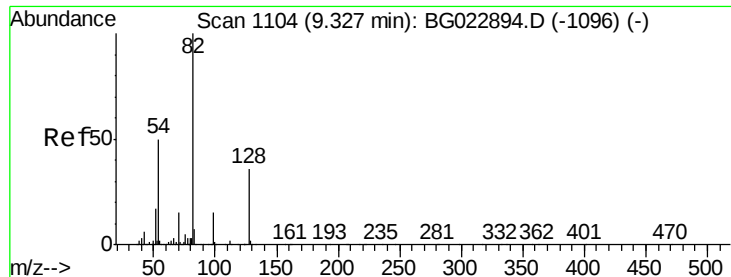
Tgt Ion:	136	Resp:	497898
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	9.0	7.3	10.9
68	6.6	5.3	7.9



#22
Acetophenone
Concen: 0.51 ng
RT: 8.98 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:	105	Resp:	7675
Ion	Ratio	Lower	Upper
105	100		
71	20.8	2.6	3.8#
51	29.1	27.1	40.7
120	16.4	15.1	22.7





#23

Nitrobenzene-d5

Concen: 86.00 ng

RT: 9.33 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

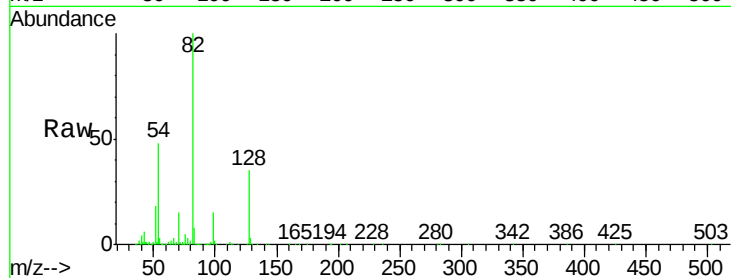
Tgt Ion: 82 Resp: 999973

Ion Ratio Lower Upper

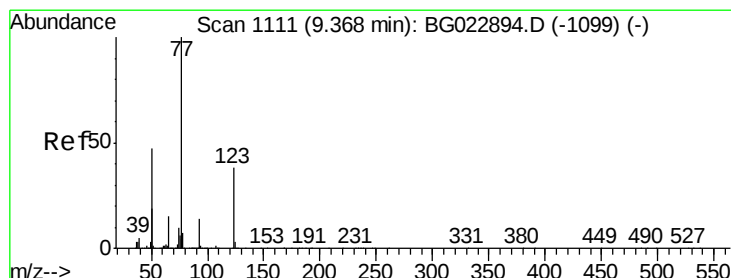
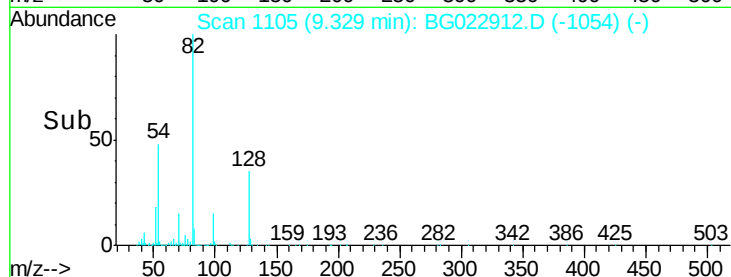
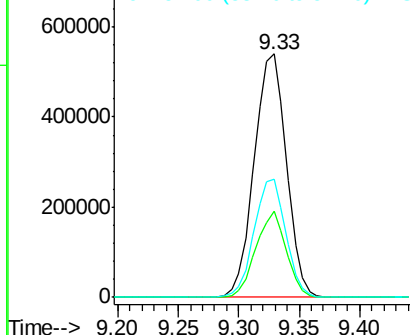
82 100

128 35.3 24.4 36.6

54 48.3 41.4 62.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 0.03 ng

RT: 9.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

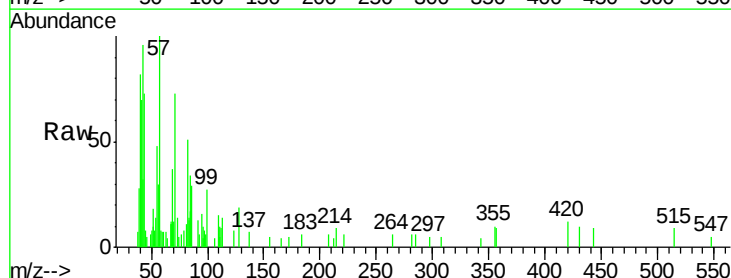
Tgt Ion: 77 Resp: 354

Ion Ratio Lower Upper

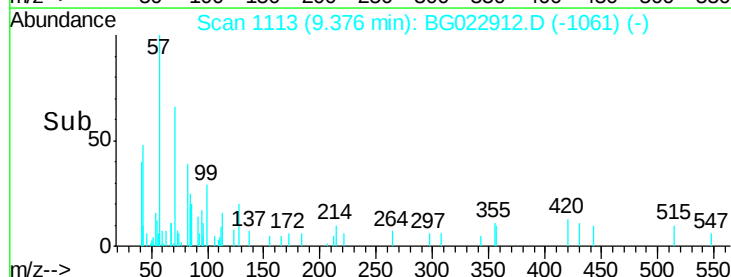
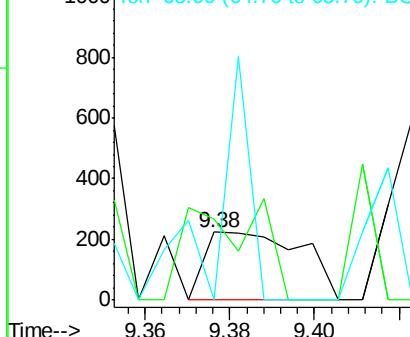
77 100

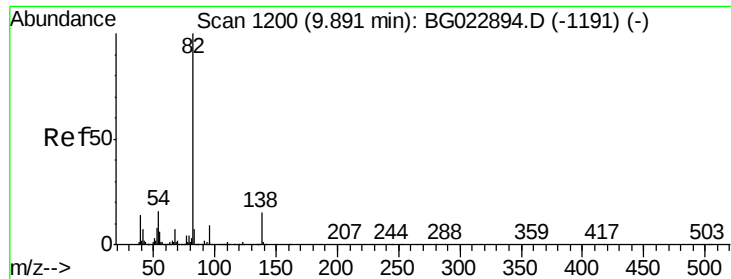
123 120.2 25.0 37.6#

65 0.0 13.4 20.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.15 ng

RT: 9.88 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

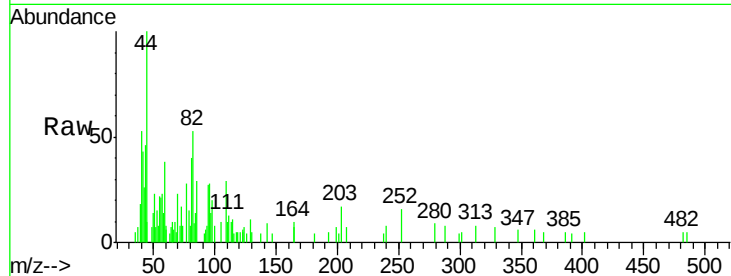
Tgt Ion: 82 Resp: 3475

Ion Ratio Lower Upper

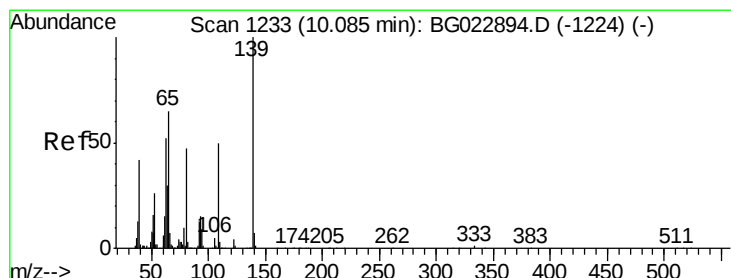
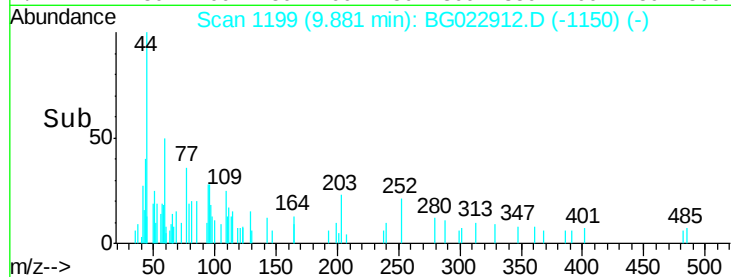
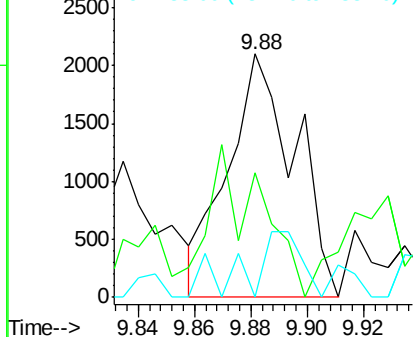
82 100

95 51.0 8.2 12.2#

138 0.0 10.7 16.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 0.01 ng

RT: 10.09 min Scan# 1235

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

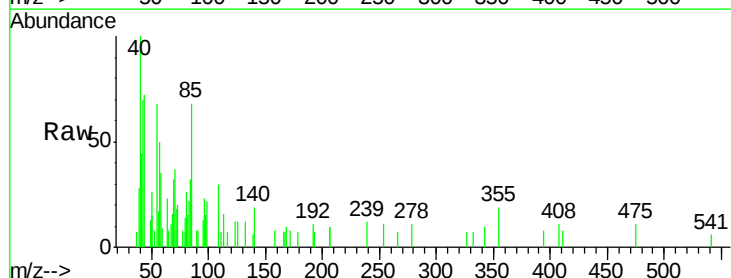
Tgt Ion: 139 Resp: 57

Ion Ratio Lower Upper

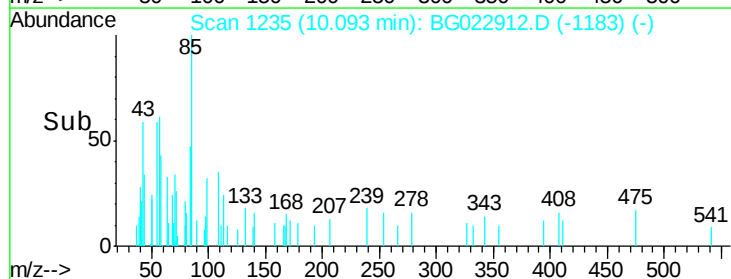
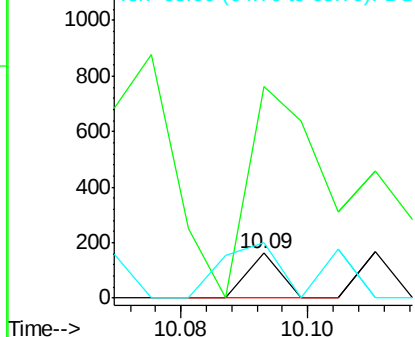
139 100

109 471.0 43.5 65.3#

65 122.2 64.3 96.5#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#27

2,4-Dimethylphenol

Concen: 0.03 ng

RT: 10.14 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

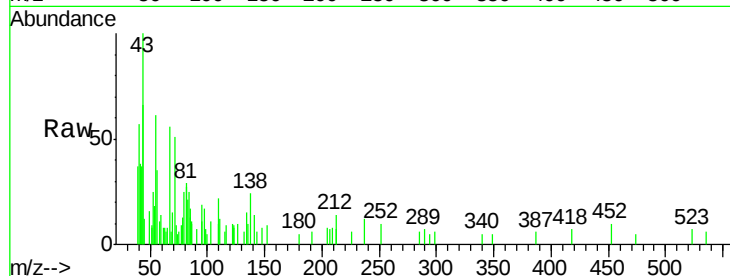
Tgt Ion:122 Resp: 281

Ion Ratio Lower Upper

122 100

107 0.0 117.0 175.4#

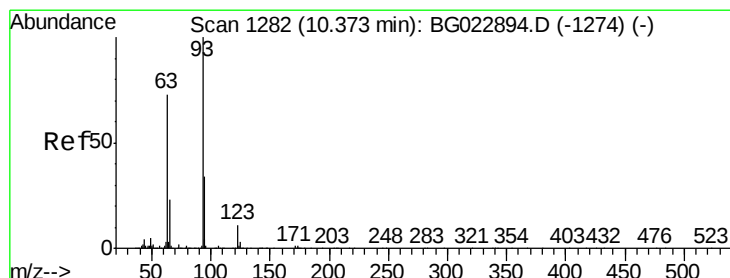
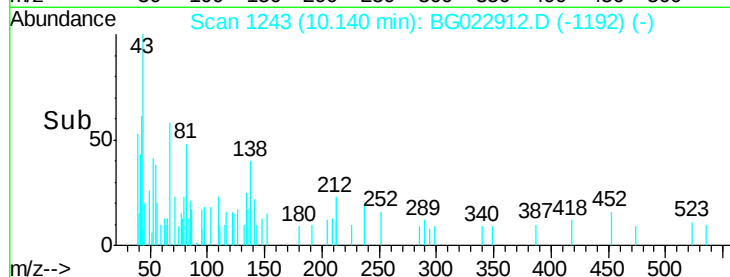
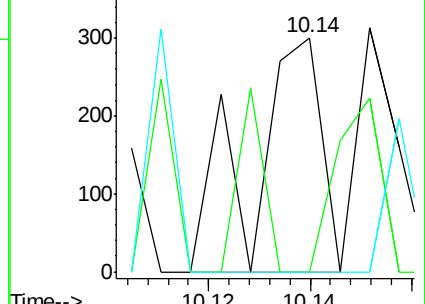
121 0.0 50.1 75.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 0.05 ng

RT: 10.38 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

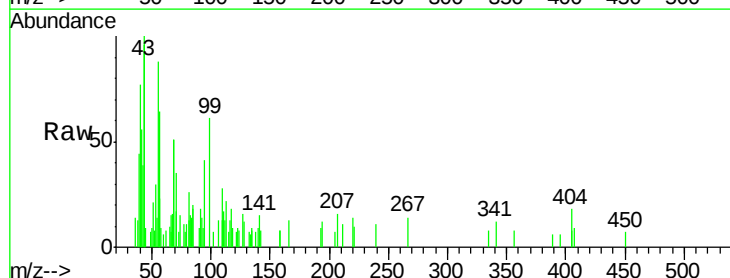
Tgt Ion: 93 Resp: 684

Ion Ratio Lower Upper

93 100

95 182.4 25.4 38.2#

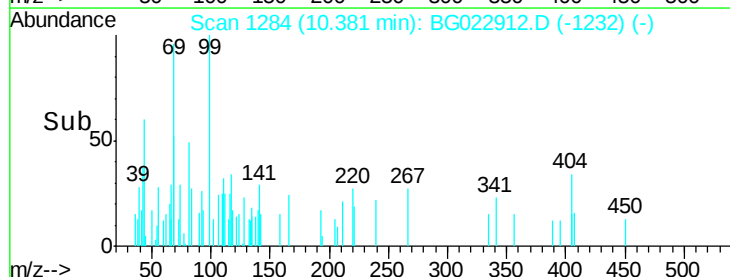
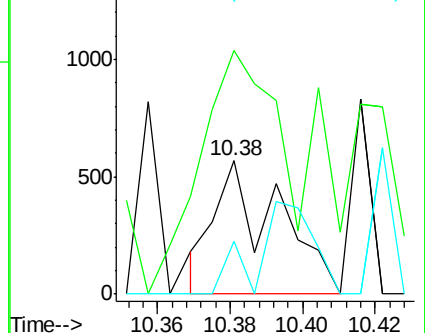
123 39.4 8.2 12.2#

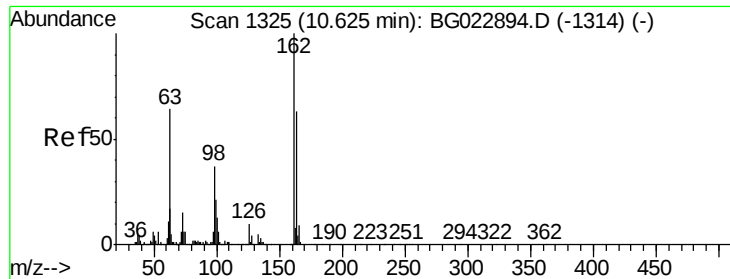


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

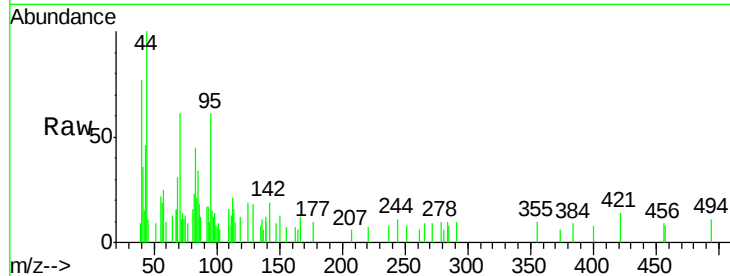




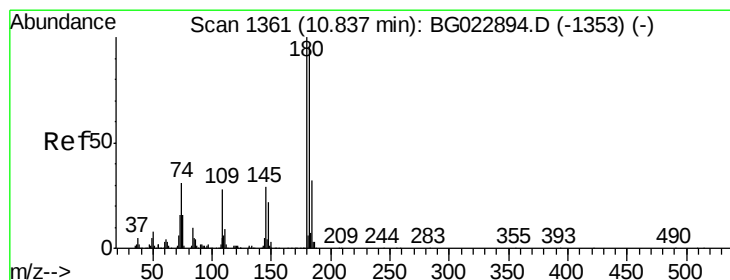
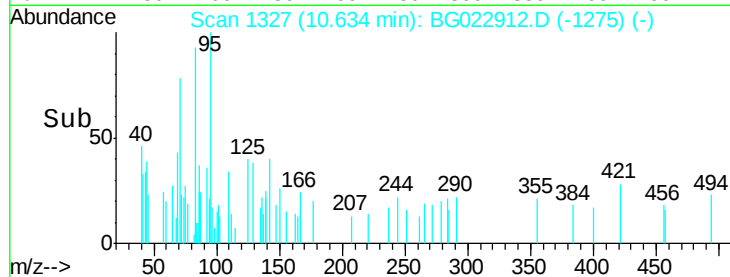
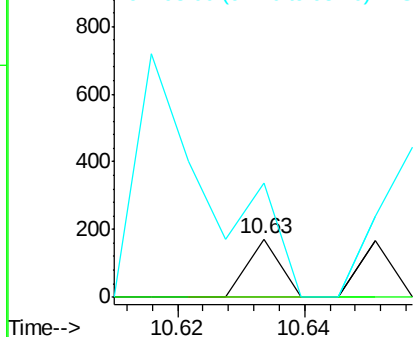
#29
2,4-Dichlorophenol
Concen: 0.01 ng
RT: 10.63 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Instrument :
BNA_G
ClientSampleId :
DUPLICATE

Tgt Ion	Ratio	Lower	Upper
162	100		
164	0.0	44.3	84.3#
98	198.2	19.5	59.5#

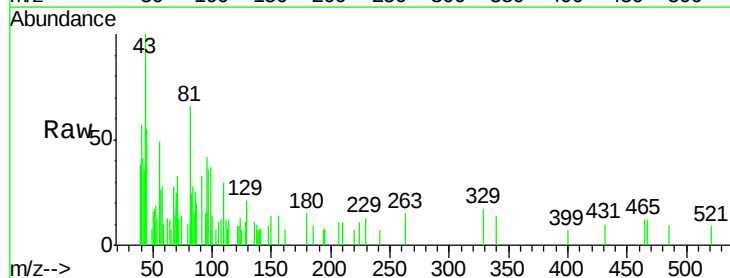


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BG

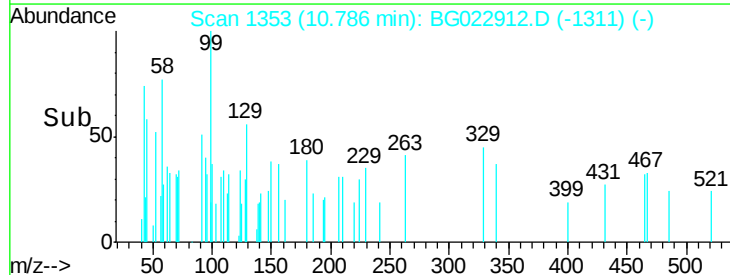
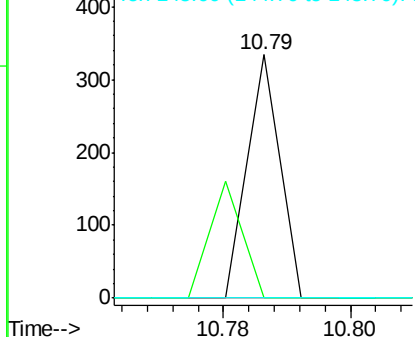


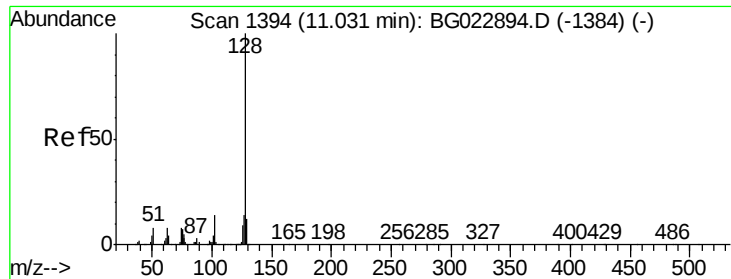
#30
1,2,4-Trichlorobenzene
Concen: 0.01 ng
RT: 10.79 min Scan# 1353
Delta R.T. -0.05 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	73.8	110.8#
145	0.0	24.4	36.6#



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

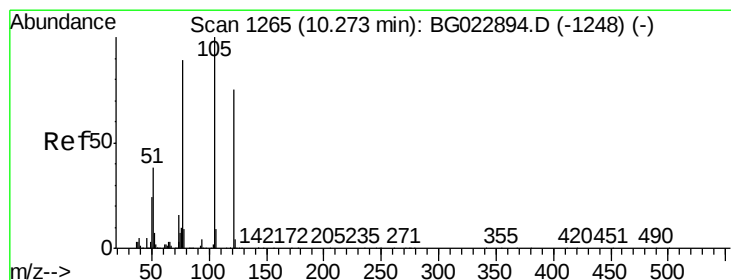
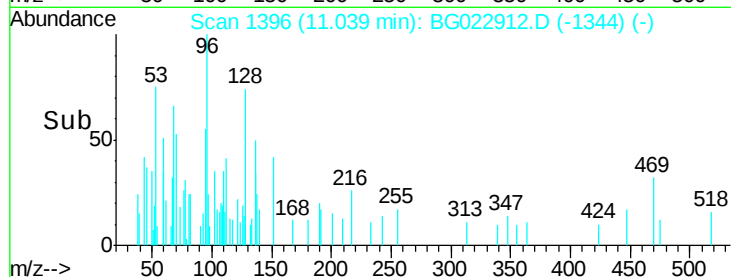
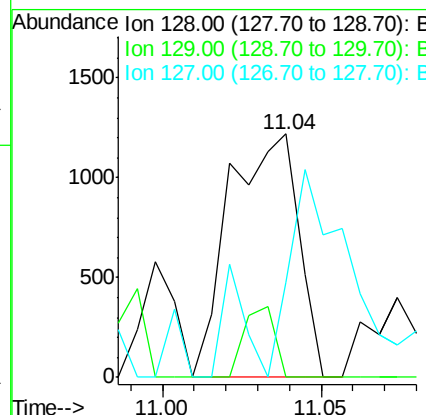
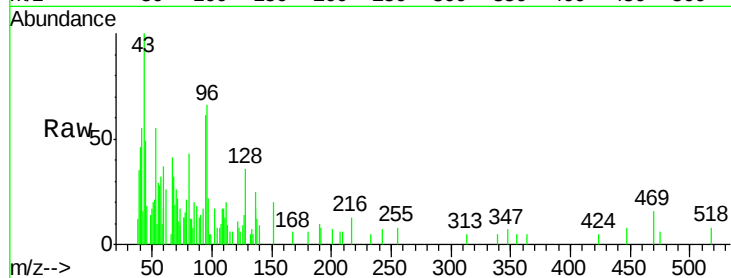




#31
Naphthalene
Concen: 0.07 ng
RT: 11.04 min Scan# 1396
Delta R.T. 0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

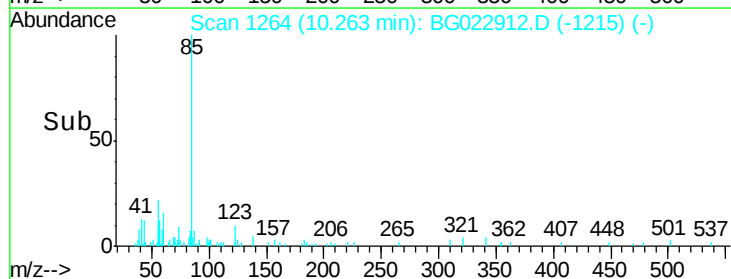
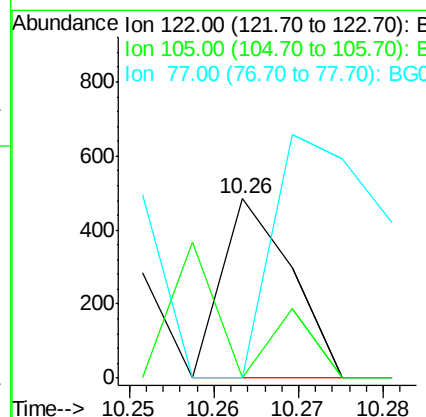
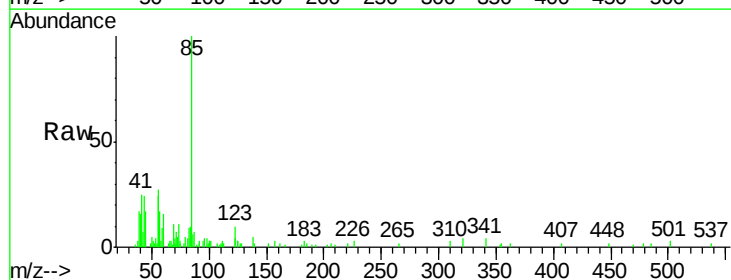
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

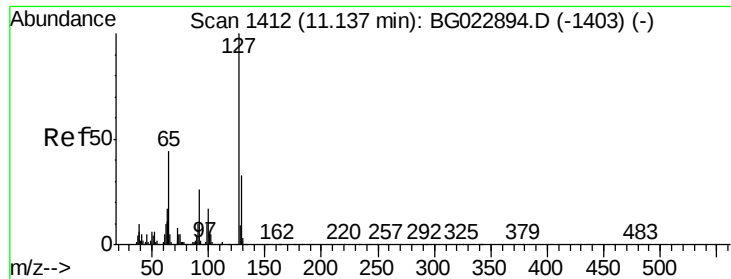
Tgt Ion:128 Resp: 1839
Ion Ratio Lower Upper
128 100
129 0.0 9.4 14.0#
127 38.9 11.3 16.9#



#32
Benzoic acid
Concen: 0.04 ng
RT: 10.26 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:122 Resp: 276
Ion Ratio Lower Upper
122 100
105 0.0 117.2 157.2#
77 0.0 109.2 149.2#

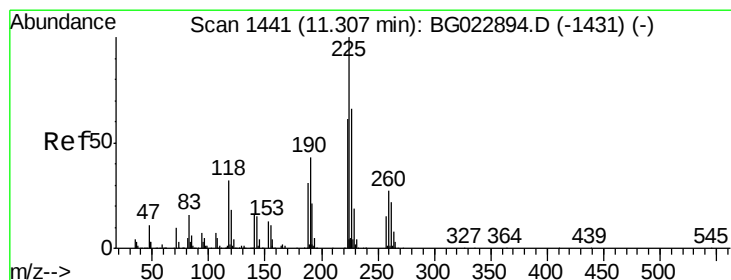
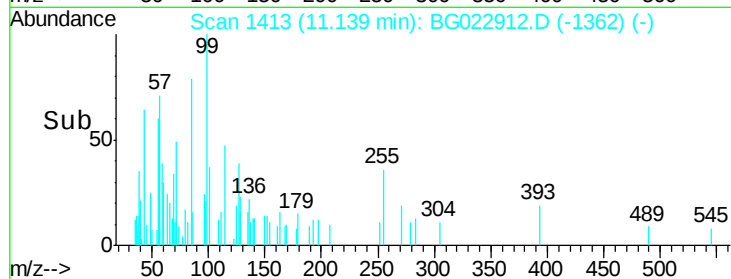
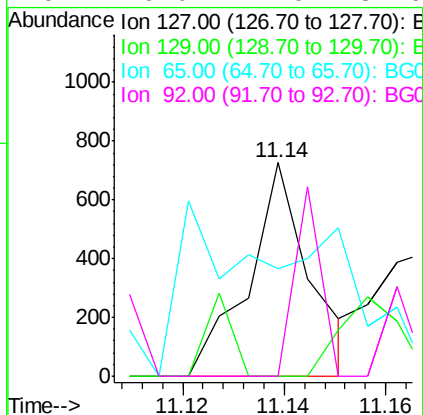
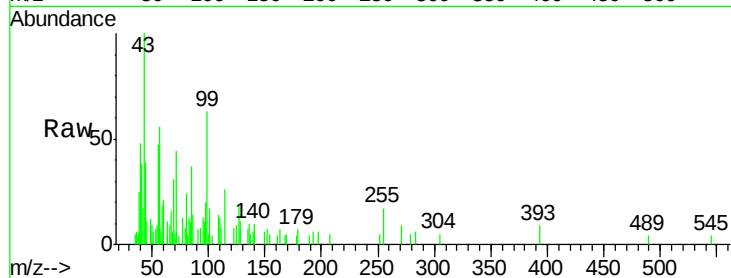




#33
4-Chloroaniline
Concen: 0.05 ng
RT: 11.14 min Scan# 1413
Delta R.T. 0.00 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

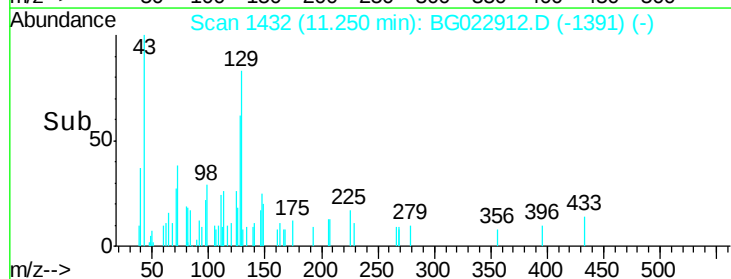
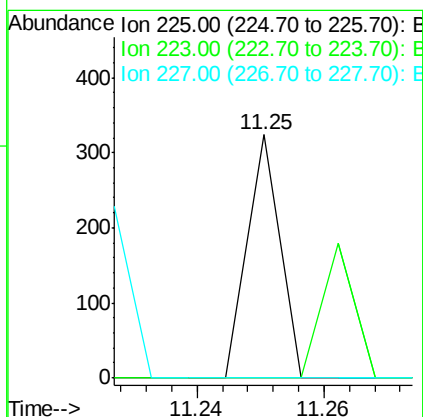
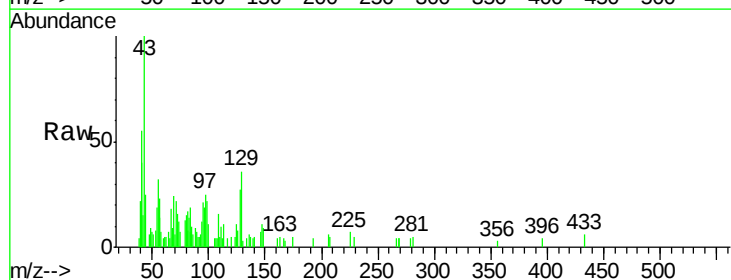
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

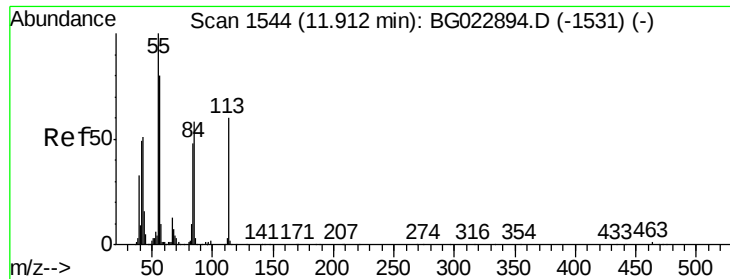
Tgt Ion:	127	Resp:	610
Ion	Ratio	Lower	Upper
127	100		
129	0.0	27.9	41.9#
65	50.3	36.8	55.2
92	0.0	21.0	31.6#



#34
Hexachlorobutadiene
Concen: 0.01 ng
RT: 11.25 min Scan# 1432
Delta R.T. -0.06 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:	225	Resp:	114
Ion	Ratio	Lower	Upper
225	100		
223	0.0	49.6	74.4#
227	0.0	54.5	81.7#





#35

Caprolactam

Concen: 0.80 ng

RT: 11.92 min Scan# 1546

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

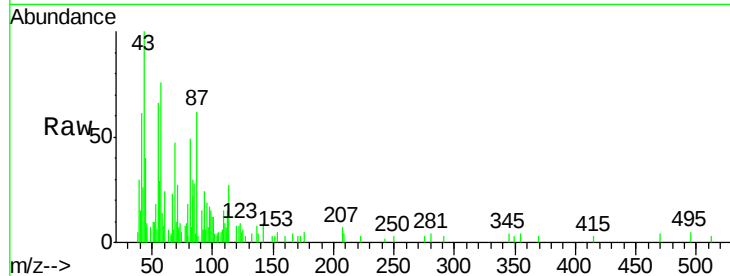
Tgt Ion:113 Resp: 2949

Ion Ratio Lower Upper

113 100

55 240.7 154.5 194.5#

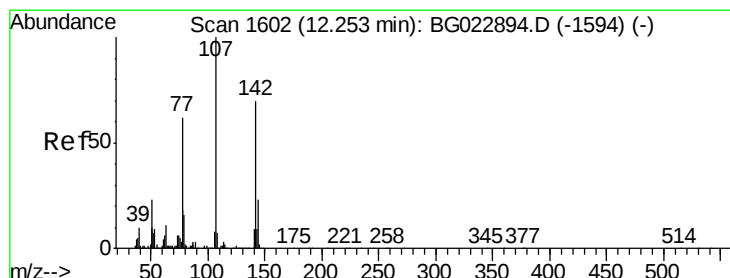
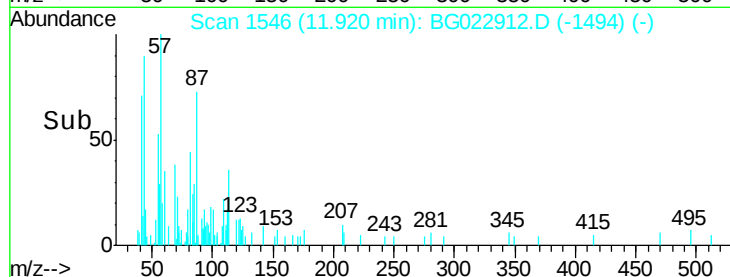
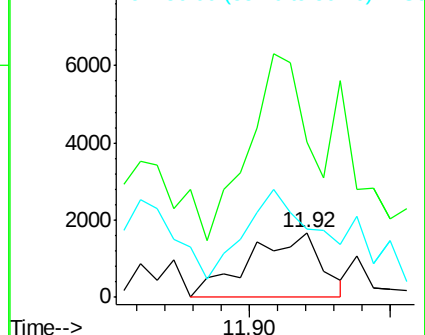
56 106.2 125.1 165.1#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 0.05 ng

RT: 12.26 min Scan# 1604

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

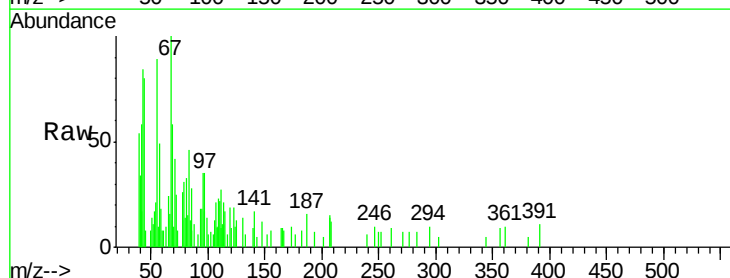
Tgt Ion:107 Resp: 572

Ion Ratio Lower Upper

107 100

144 0.0 17.0 25.6#

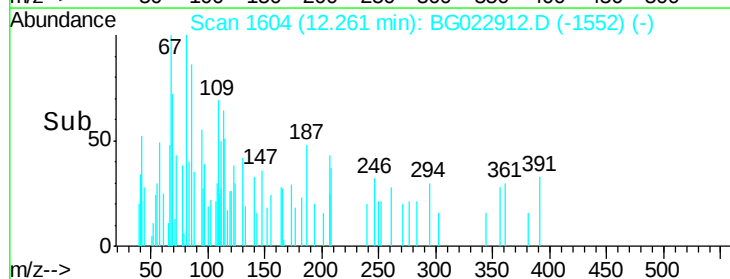
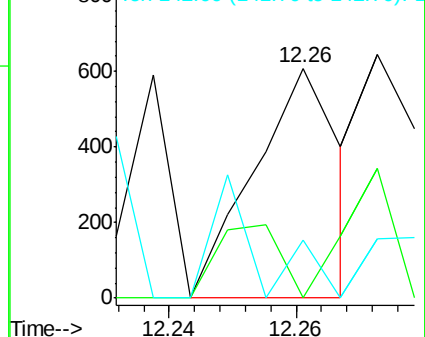
142 25.5 53.0 79.6#

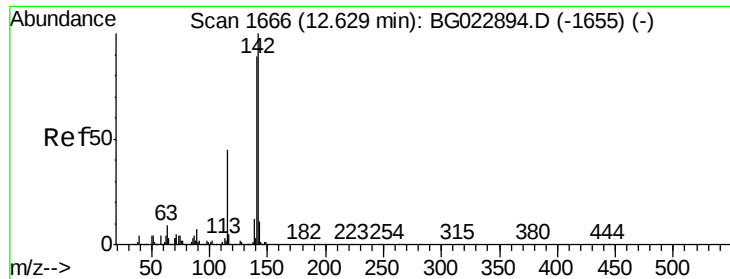


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

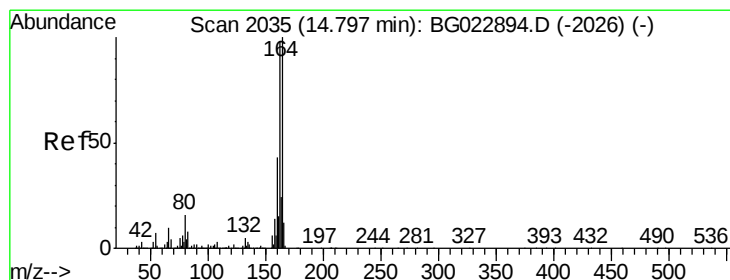
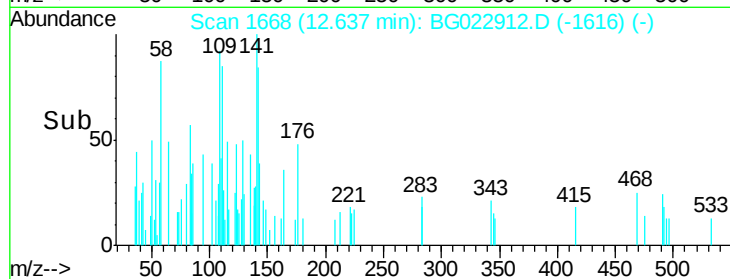
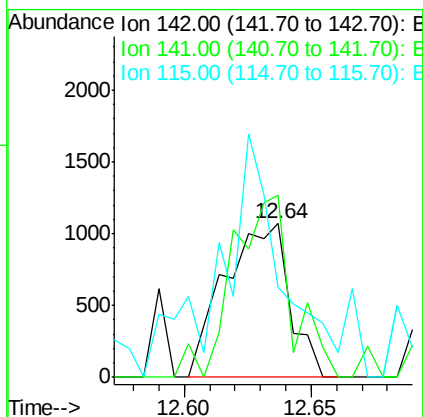
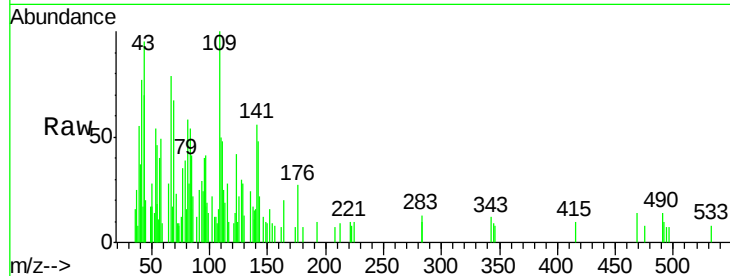




#37
 2-Methylnaphthalene
 Concen: 0.09 ng
 RT: 12.64 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

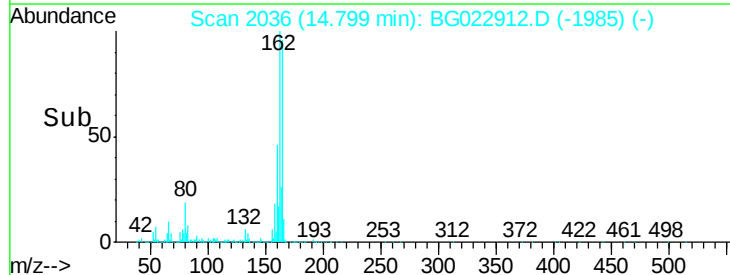
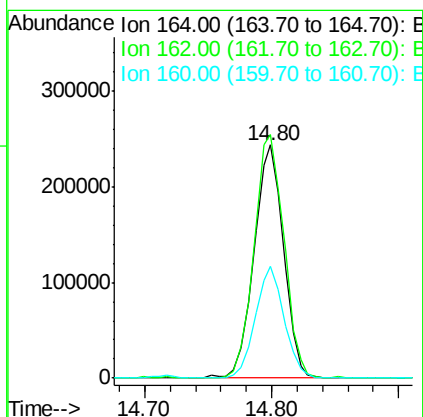
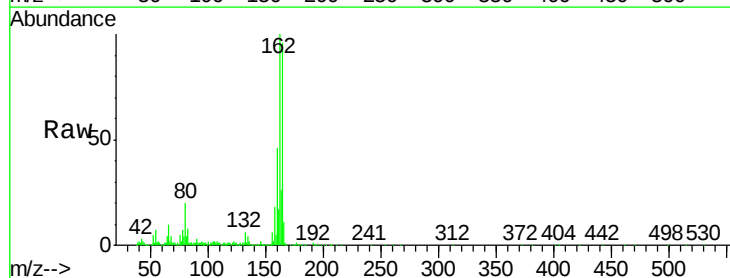
Instrument :
 BNA_G
 ClientSampleId :
 DUPLICATE

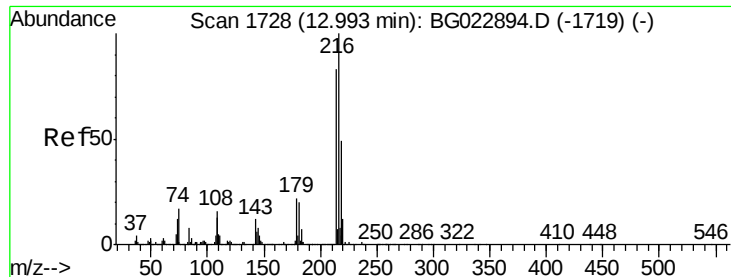
Tgt Ion:142 Resp: 1902
 Ion Ratio Lower Upper
 142 100
 141 118.5 70.2 105.2#
 115 58.3 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

Tgt Ion:164 Resp: 394427
 Ion Ratio Lower Upper
 164 100
 162 104.4 87.7 131.5
 160 48.2 37.2 55.8

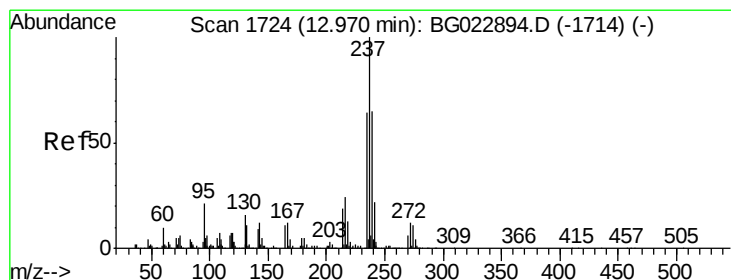
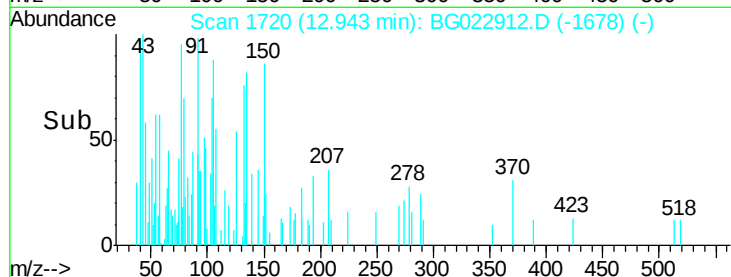
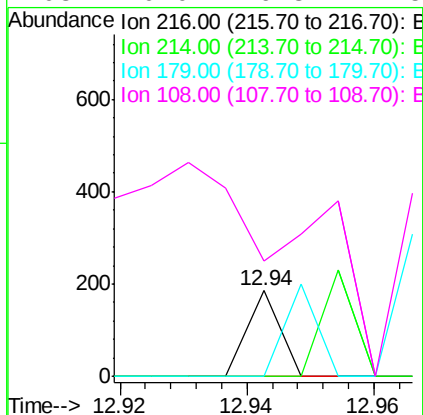
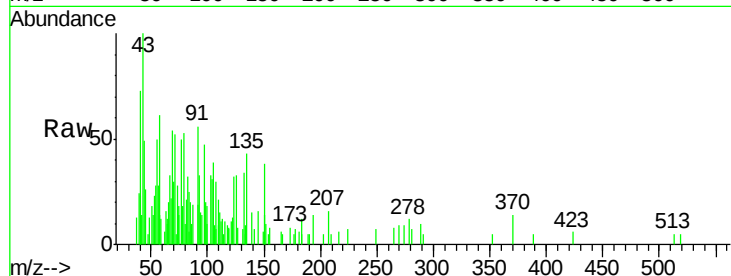




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.00 ng
 RT: 12.94 min Scan# 1720
 Delta R.T. -0.05 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

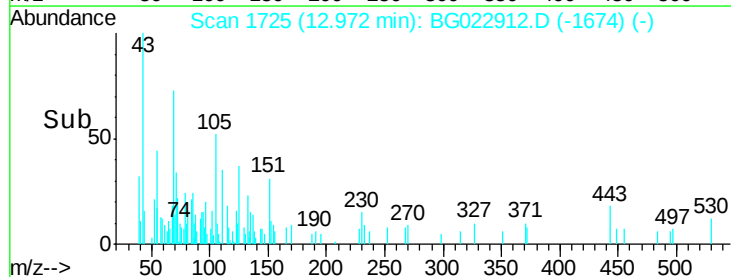
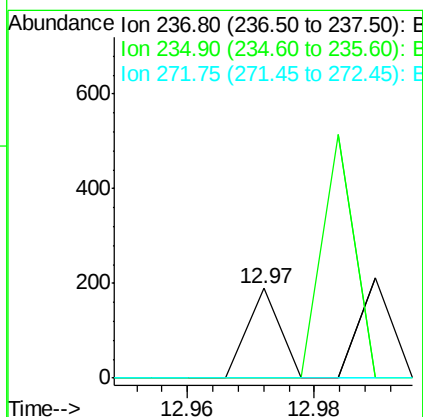
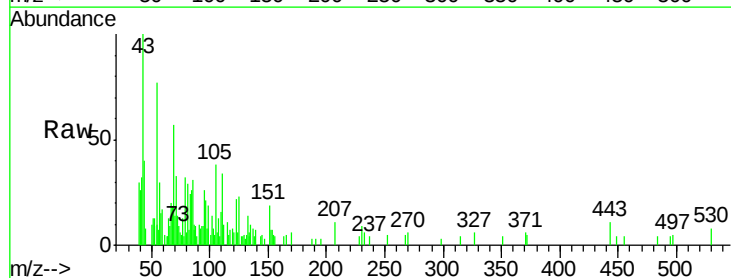
Instrument :
 BNA_G
 ClientSampleId :
 DUPLICATE

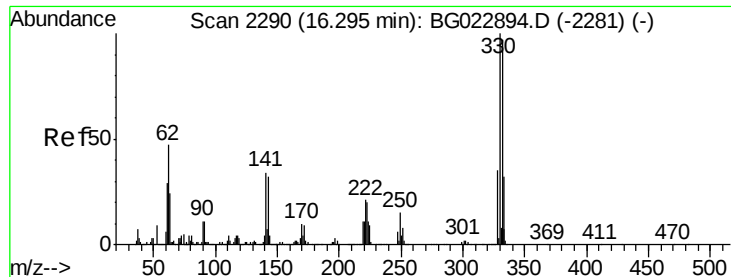
Tgt Ion	Ratio	Lower	Upper
216	100		
214	124.6	62.9	94.3#
179	109.2	17.2	25.8#
108	0.0	16.3	24.5#



#40
 Hexachlorocyclopentadiene
 Concen: 0.01 ng
 RT: 12.97 min Scan# 1725
 Delta R.T. 0.00 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

Tgt Ion	Ratio	Lower	Upper
237	100		
235	0.0	43.1	83.1#
272	0.0	0.0	30.9





#41

2,4,6-Tribromophenol

Concen: 123.93 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

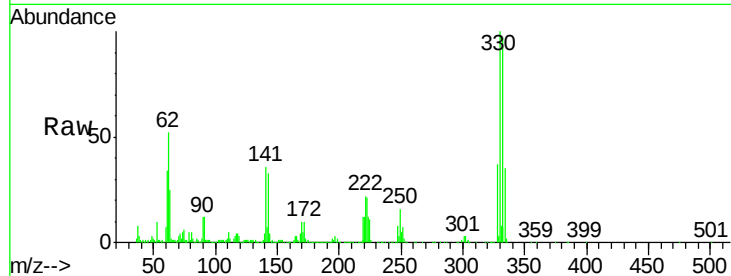
Tgt Ion:330 Resp: 878505

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

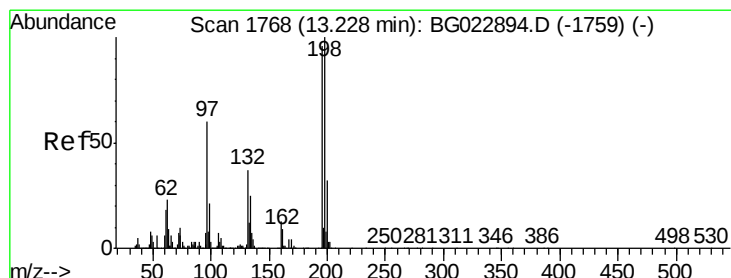
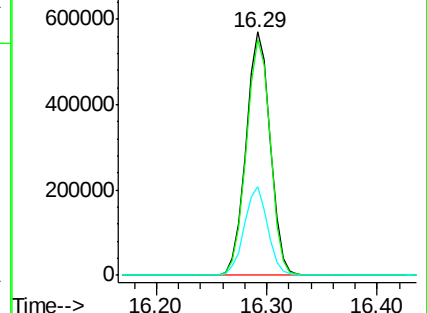
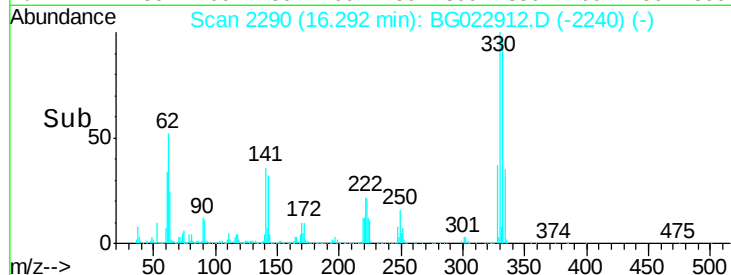
141 35.1 31.7 47.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 0.01 ng

RT: 13.25 min Scan# 1773

Delta R.T. 0.03 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

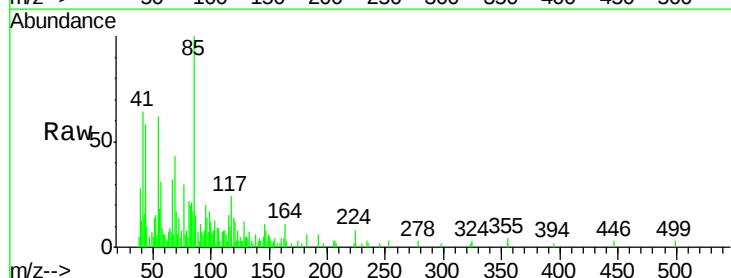
Tgt Ion:196 Resp: 57

Ion Ratio Lower Upper

196 100

198 0.0 78.2 117.2#

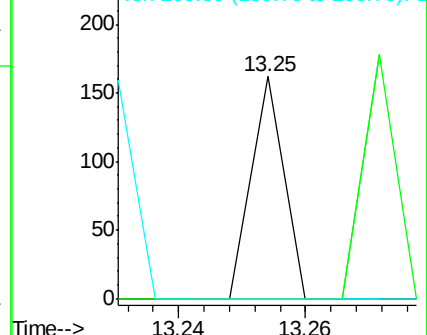
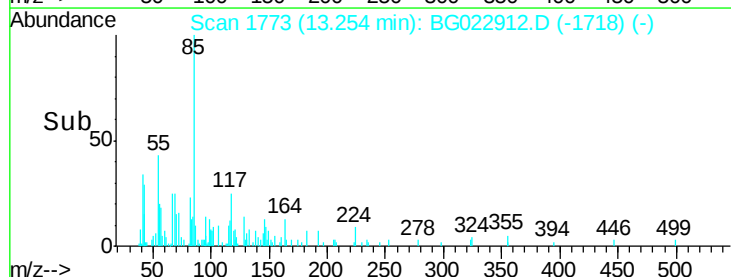
200 0.0 27.0 40.4#

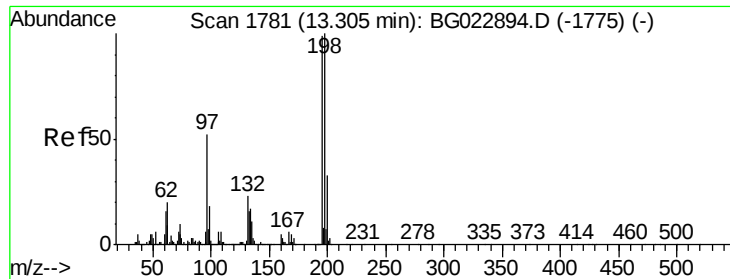


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

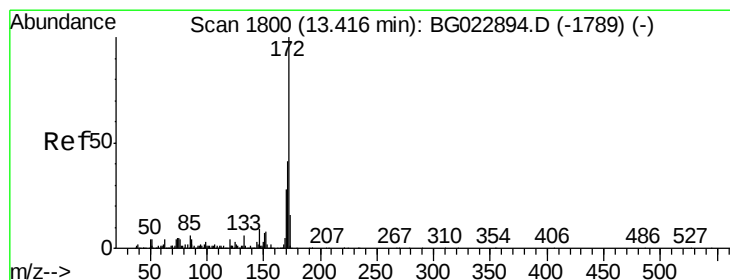
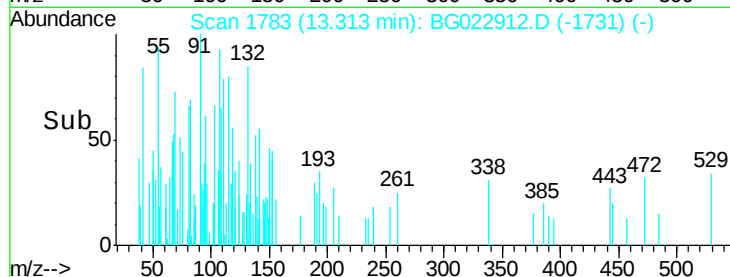
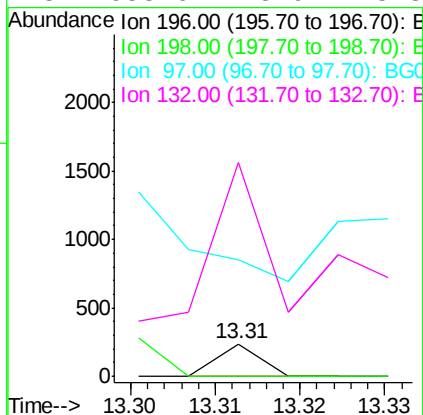
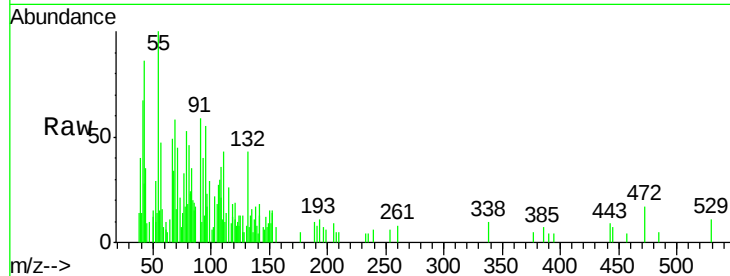




#43
2,4,5-Trichlorophenol
Concen: 0.01 ng
RT: 13.31 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

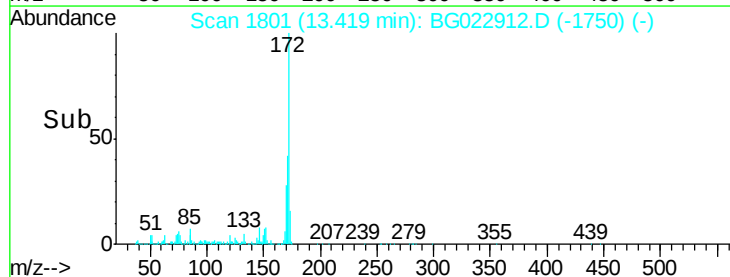
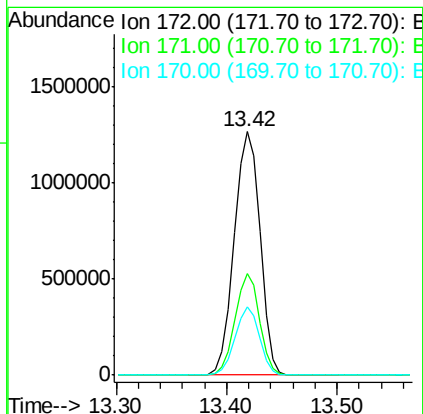
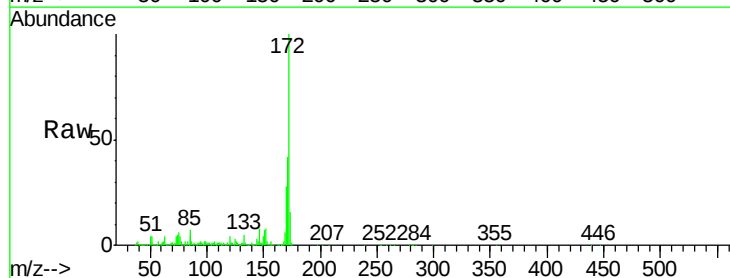
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

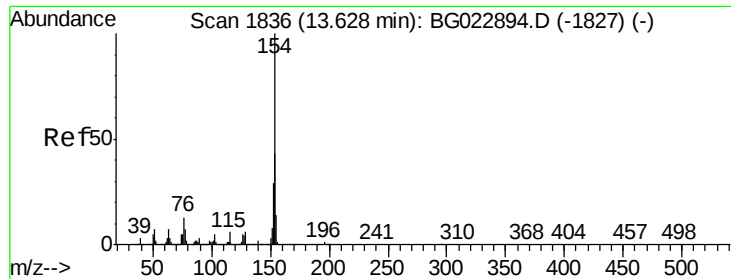
Tgt Ion:196 Resp: 84
Ion Ratio Lower Upper
196 100
198 0.0 85.7 128.5#
97 358.6 45.5 68.3#
132 658.6 18.9 28.3#



#44
2-Fluorobiphenyl
Concen: 82.96 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:172 Resp: 2077354
Ion Ratio Lower Upper
172 100
171 41.7 31.6 47.4
170 27.9 21.3 31.9

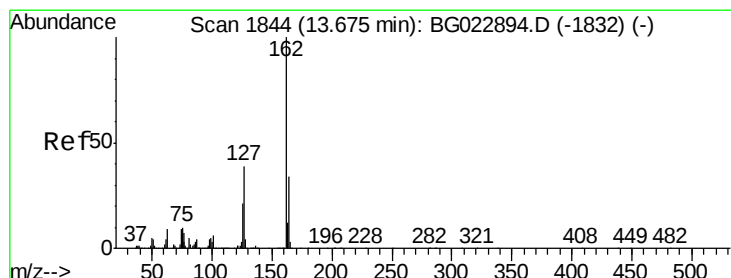
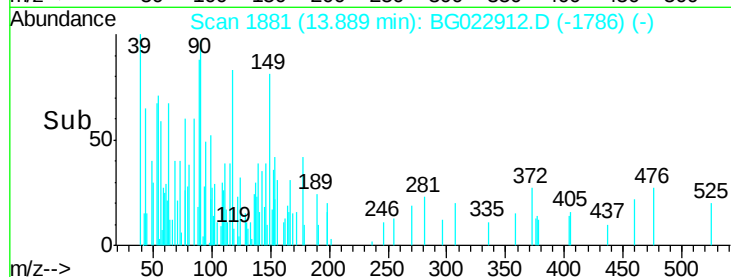
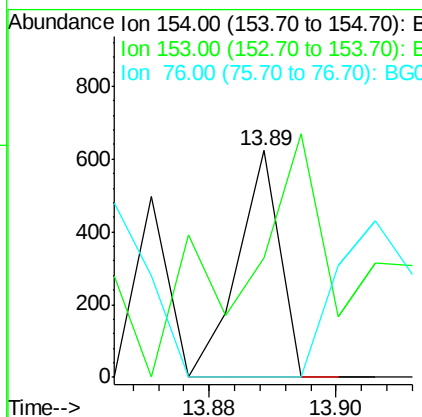
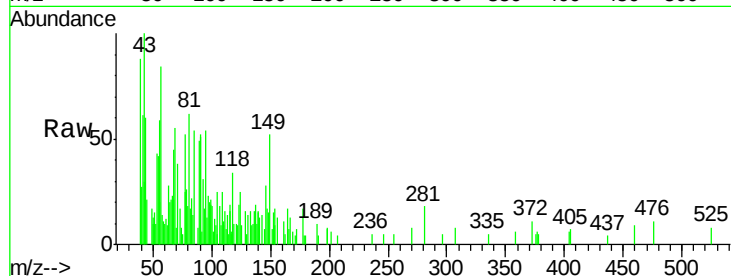




#45
 1,1'-Biphenyl
 Concen: 0.01 ng
 RT: 13.89 min Scan# 1881
 Delta R.T. 0.26 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

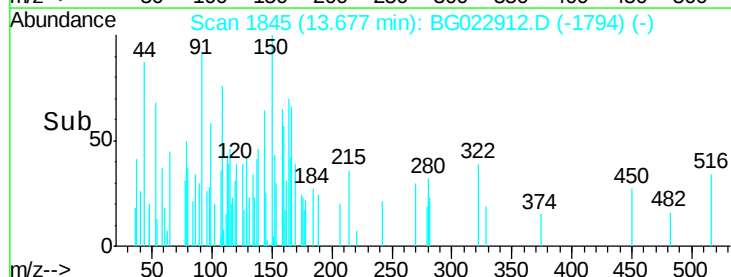
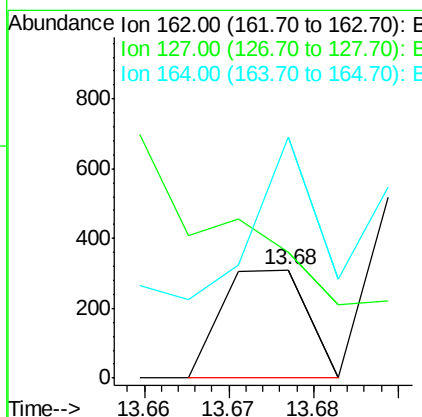
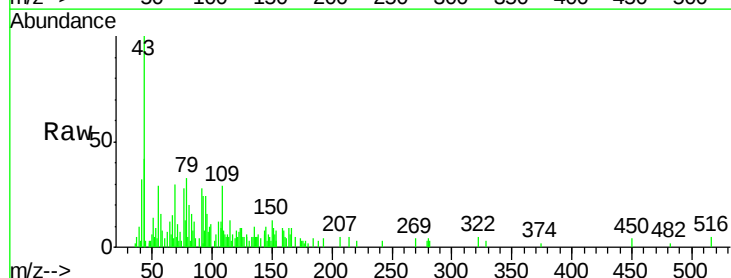
Instrument :
 BNA_G
 ClientSampleId :
 DUPLICATE

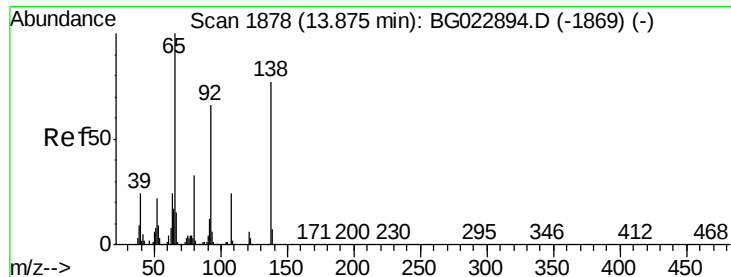
Tgt Ion:154 Resp: 282
 Ion Ratio Lower Upper
 154 100
 153 52.8 20.2 60.2
 76 0.0 0.0 32.9



#46
 2-Chloronaphthalene
 Concen: 0.01 ng
 RT: 13.68 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BG022912.D
 Acq: 8 Jul 2016 2:03

Tgt Ion:162 Resp: 217
 Ion Ratio Lower Upper
 162 100
 127 116.8 32.4 48.6#
 164 222.6 25.2 37.8#





#47

2-Nitroaniline

Concen: 0.05 ng

RT: 13.88 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

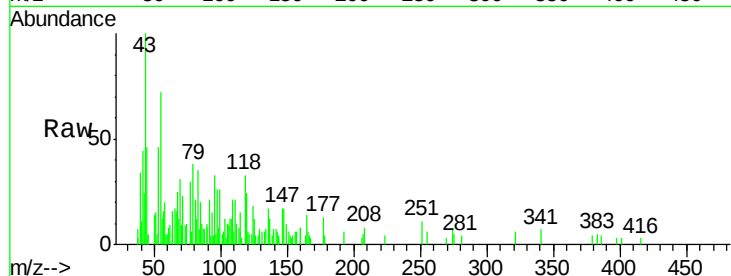
Tgt Ion: 65 Resp: 473

Ion Ratio Lower Upper

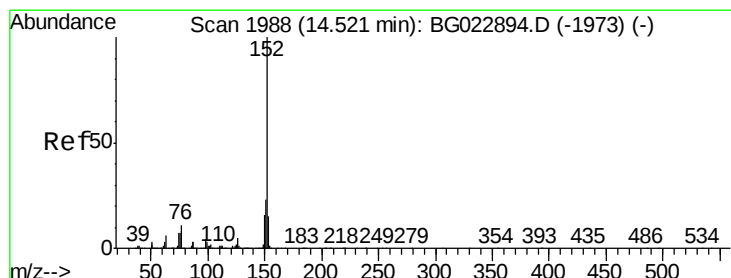
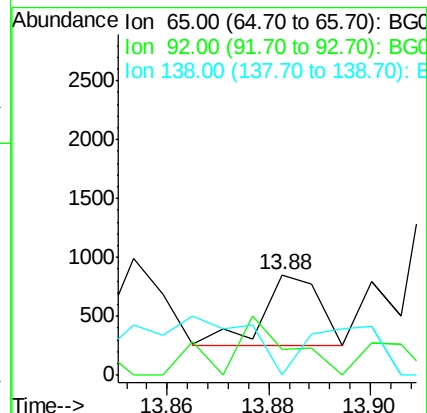
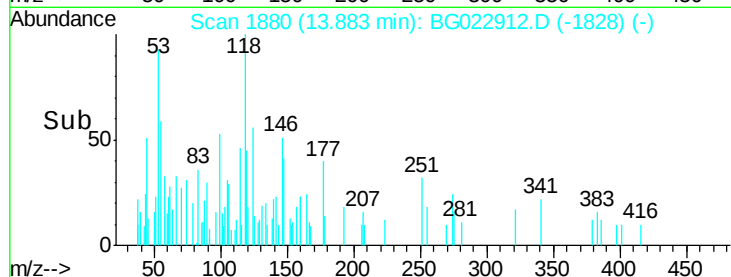
65 100

92 25.4 49.4 74.0#

138 0.0 58.0 87.0#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 0.02 ng

RT: 14.52 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

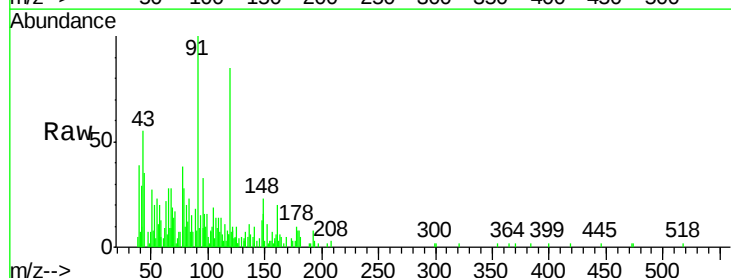
Tgt Ion: 152 Resp: 685

Ion Ratio Lower Upper

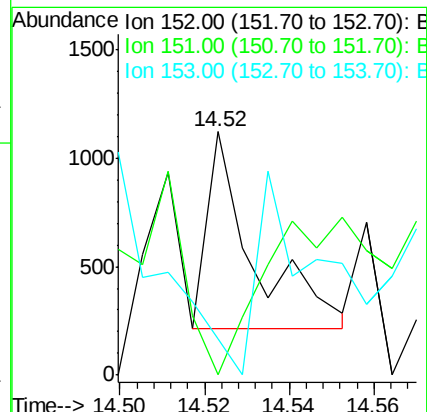
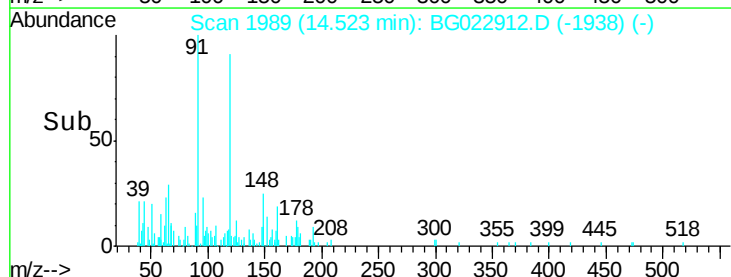
152 100

151 0.0 17.6 26.4#

153 15.0 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 1.47 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

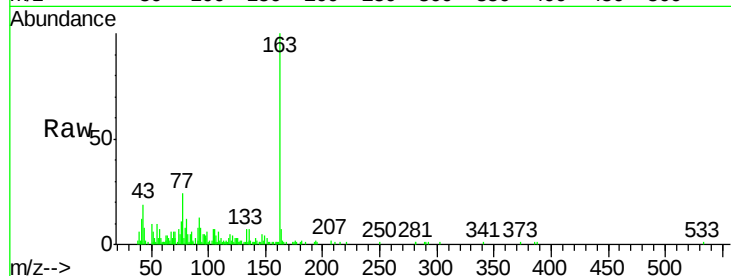
BNA_G

ClientSampleId :

DUPLICATE

Tgt Ion:163 Resp: 47359

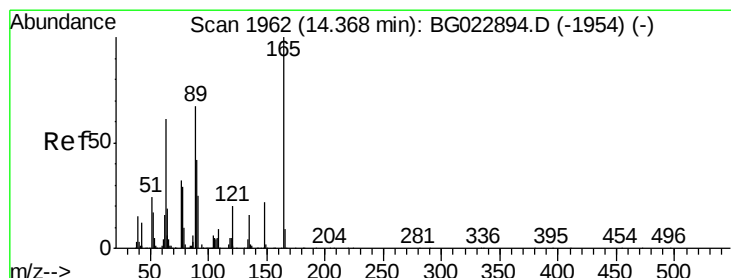
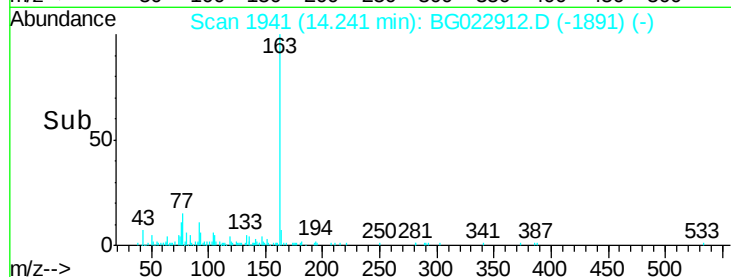
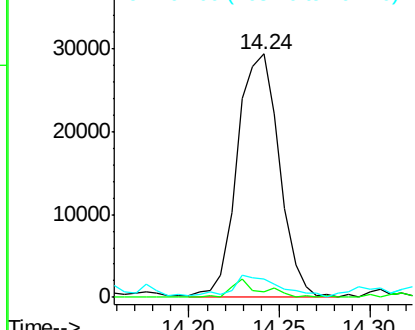
Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.6	5.4#
164	7.3	8.1	12.1#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.07 ng

RT: 14.46 min Scan# 1978

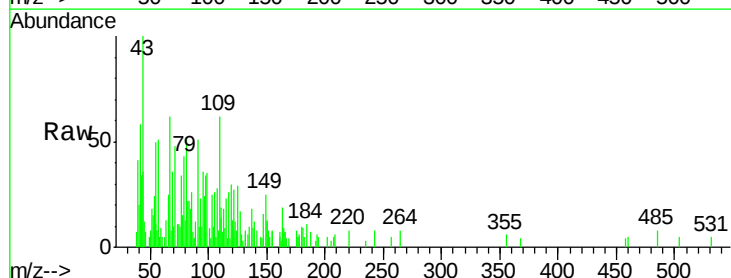
Delta R.T. 0.09 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Tgt Ion:165 Resp: 502

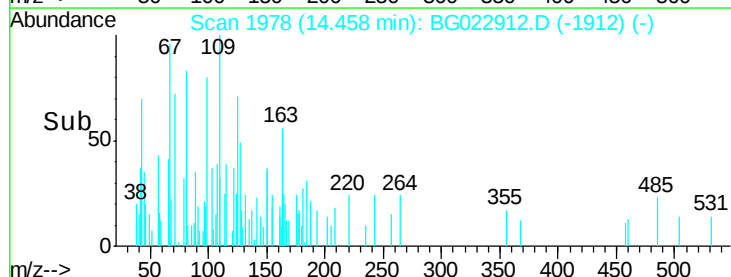
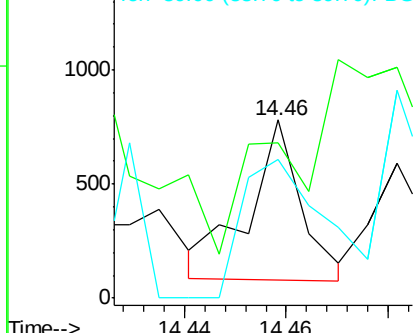
Ion	Ratio	Lower	Upper
165	100		
63	87.3	64.3	96.5
89	78.1	64.3	96.5

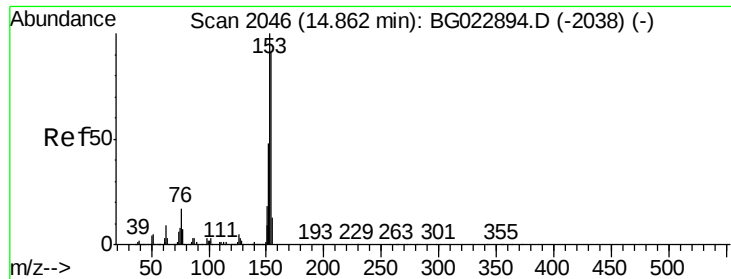


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 0.03 ng

RT: 14.87 min Scan# 2048

Delta R.T. 0.01 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

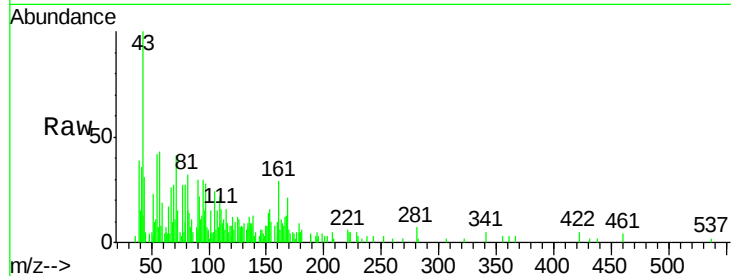
Tgt Ion:154 Resp: 772

Ion Ratio Lower Upper

154 100

153 151.8 87.5 131.3#

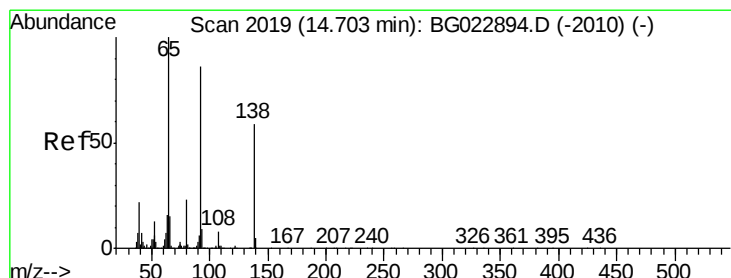
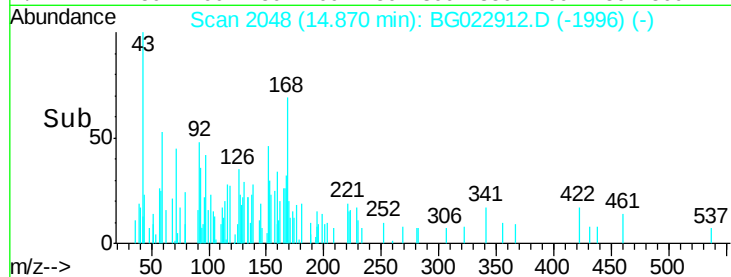
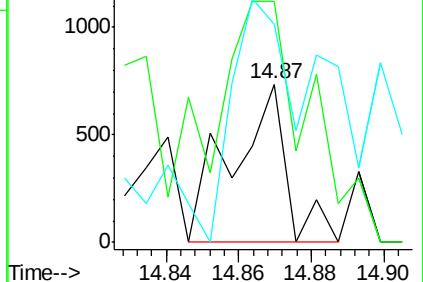
152 137.3 42.7 64.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.02 ng

RT: 14.71 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

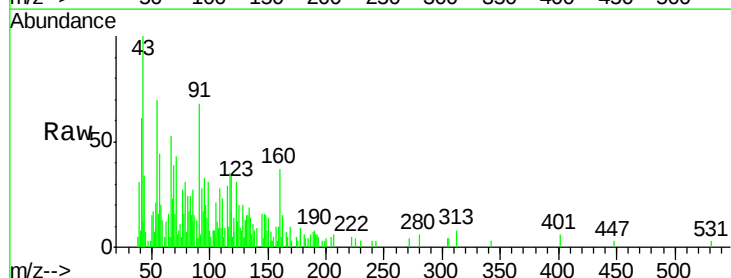
Tgt Ion:138 Resp: 174

Ion Ratio Lower Upper

138 100

108 104.0 11.7 17.5#

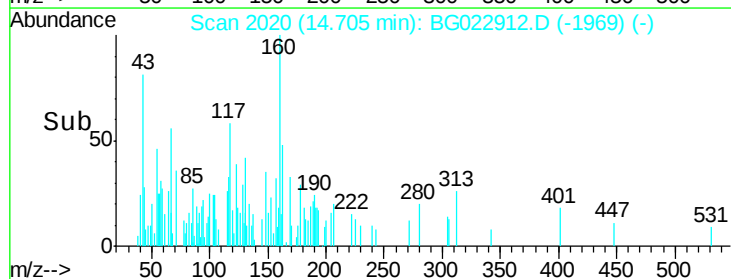
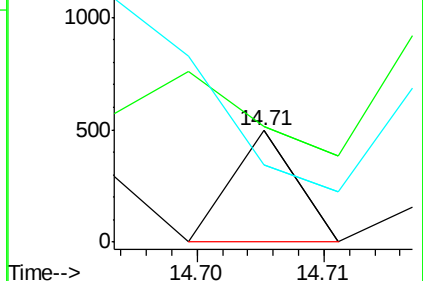
92 69.9 129.7 194.5#

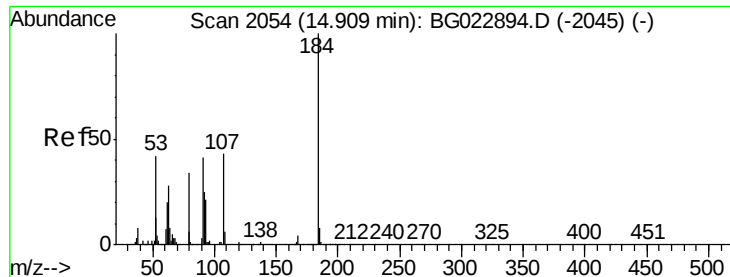


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#53

2,4-Dinitrophenol

Concen: 0.02 ng

RT: 14.93 min Scan# 2059

Delta R.T. 0.03 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

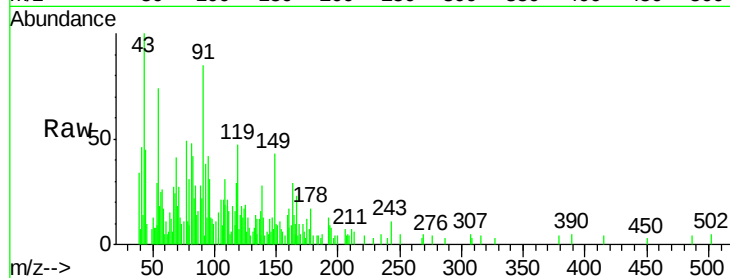
Tgt Ion:184 Resp: 82

Ion Ratio Lower Upper

184 100

63 147.2 59.6 89.4#

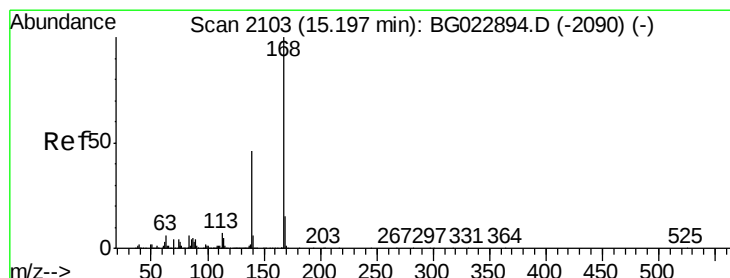
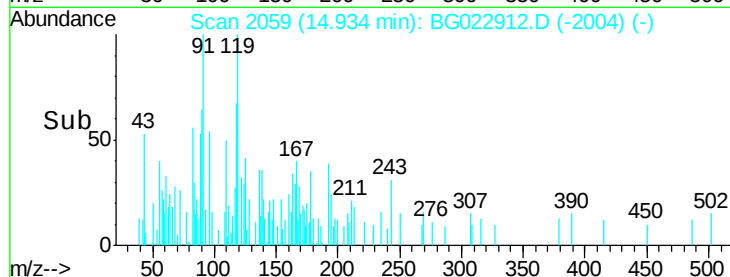
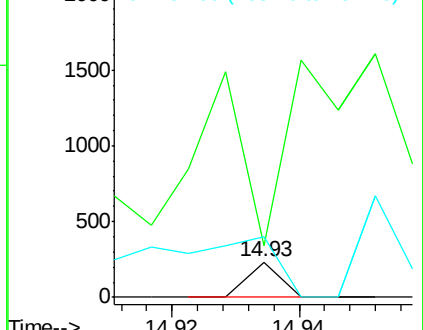
154 172.1 67.4 101.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG022894.D (-2045) (-)

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 0.05 ng

RT: 15.19 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

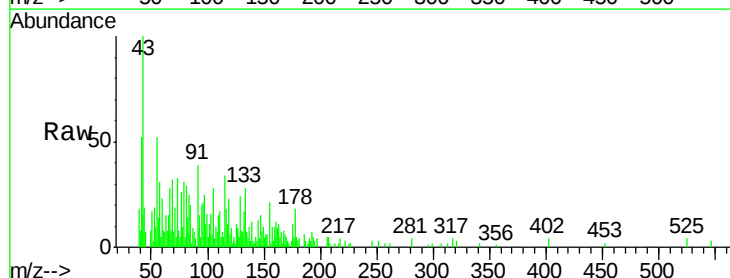
Tgt Ion:168 Resp: 1704

Ion Ratio Lower Upper

168 100

139 148.9 36.4 54.6#

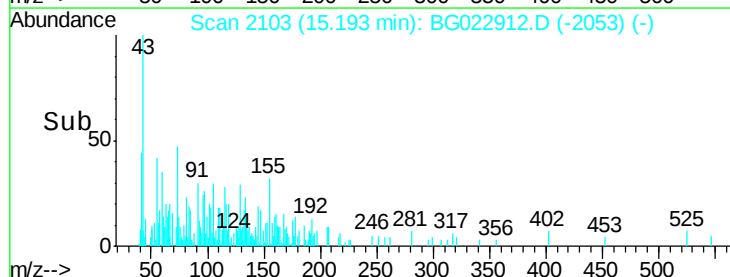
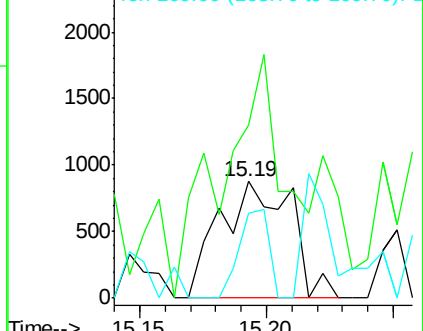
169 72.6 11.9 17.9#

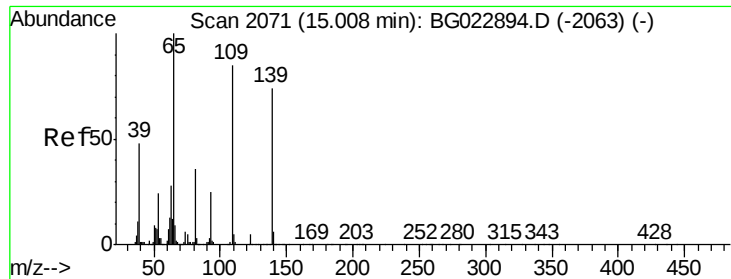


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

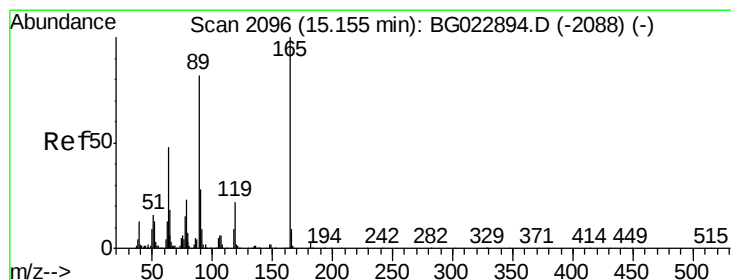
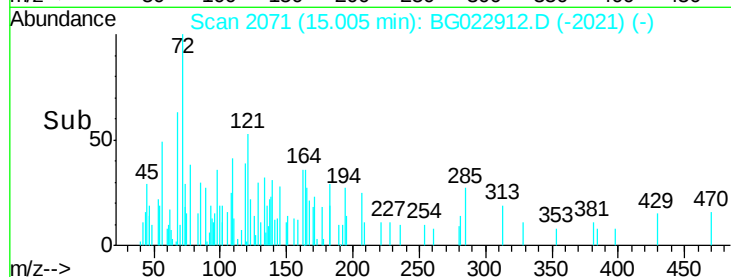
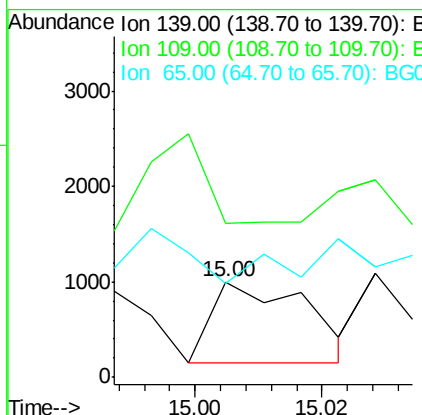
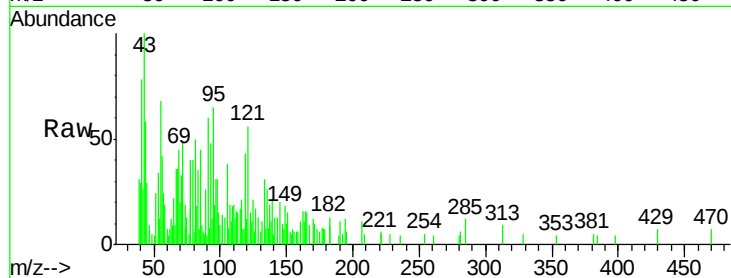




#55
4-Nitrophenol
Concen: 0.14 ng
RT: 15.00 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

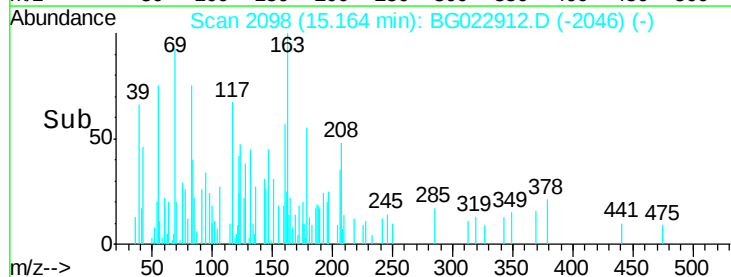
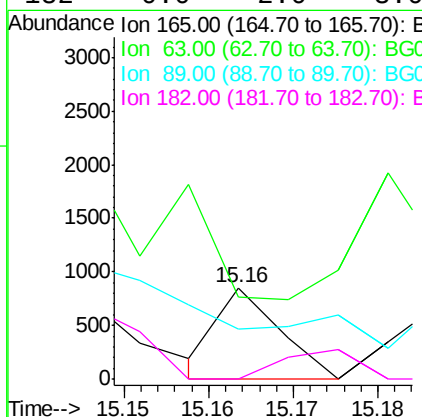
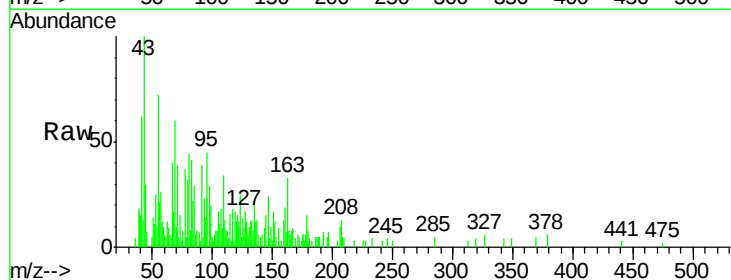
Instrument :
BNA_G
ClientSampleId :
DUPLICATE

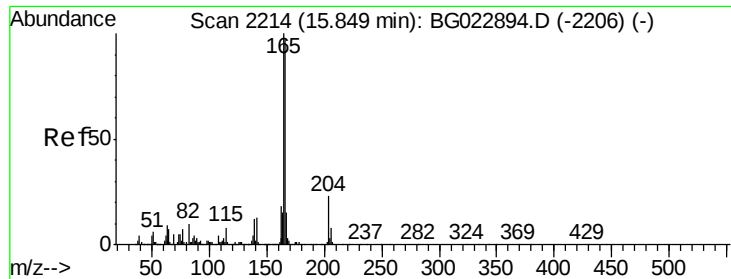
Tgt Ion:139 Resp: 867
Ion Ratio Lower Upper
139 100
109 161.3 103.0 143.0#
65 97.5 112.7 152.7#



#56
2,4-Dinitrotoluene
Concen: 0.04 ng
RT: 15.16 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion:165 Resp: 434
Ion Ratio Lower Upper
165 100
63 89.8 45.8 68.6#
89 55.0 68.6 102.8#
182 0.0 2.0 3.0#





#57

Fluorene

Concen: 0.16 ng

RT: 15.85 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

BNA_G

ClientSampleId :

DUPLICATE

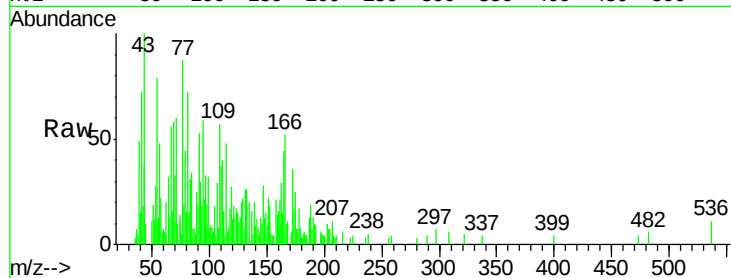
Tgt Ion:166 Resp: 4981

Ion Ratio Lower Upper

166 100

165 84.3 81.0 121.6

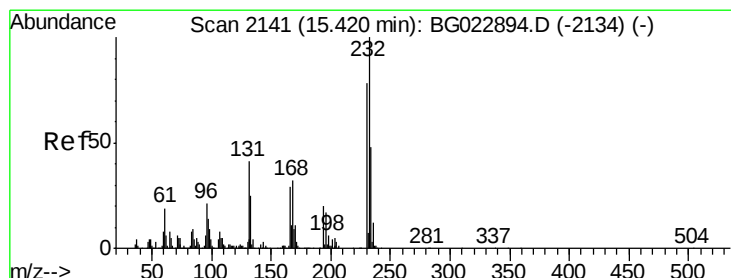
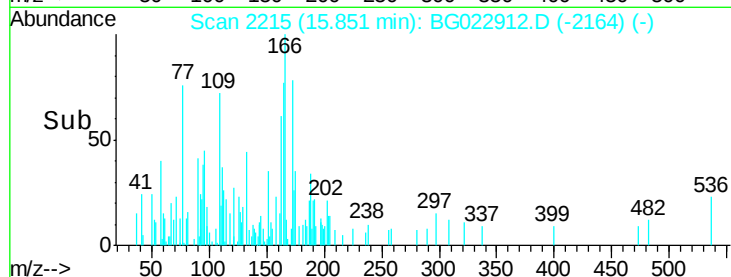
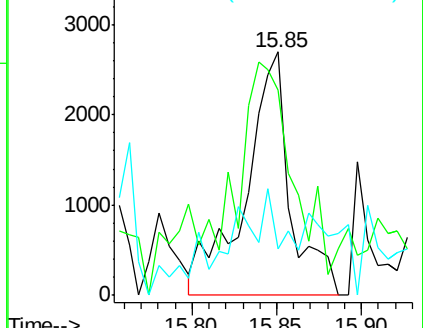
167 18.9 12.0 18.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.01 ng

RT: 15.39 min Scan# 2136

Delta R.T. -0.03 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Tgt Ion:232 Resp: 92

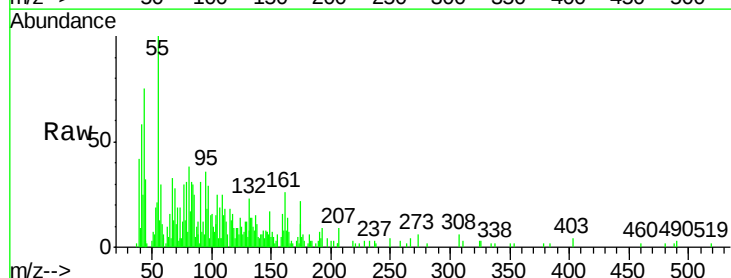
Ion Ratio Lower Upper

232 100

131 1854.3 32.7 49.1#

130 0.0 2.6 3.8#

166 0.0 23.0 34.6#

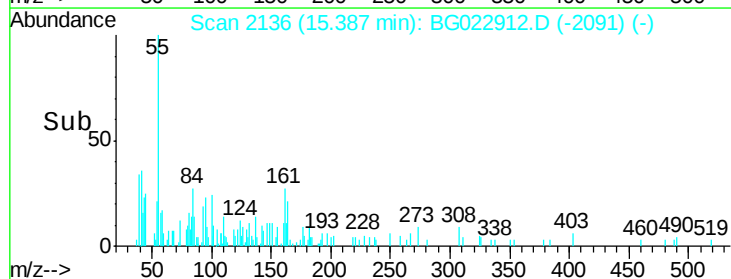
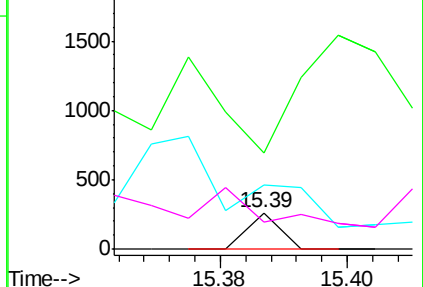


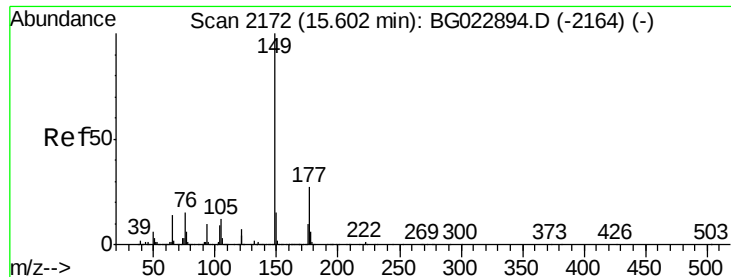
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 0.36 ng

RT: 15.60 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Instrument :

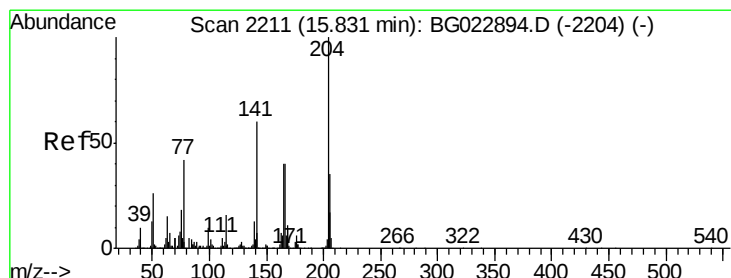
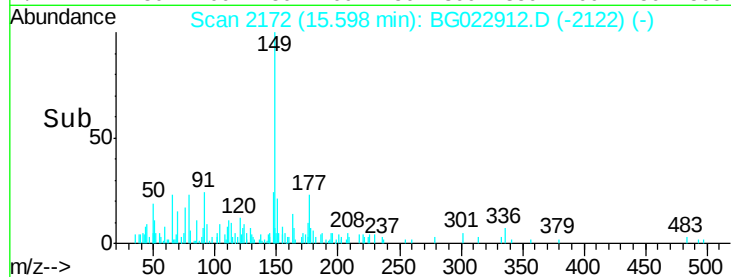
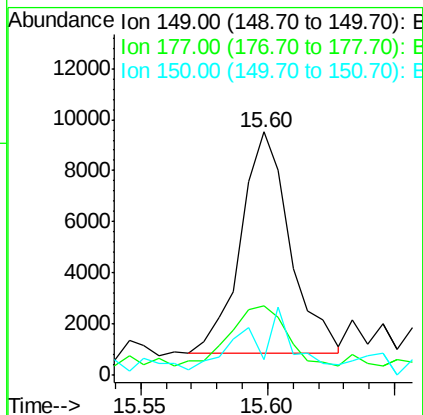
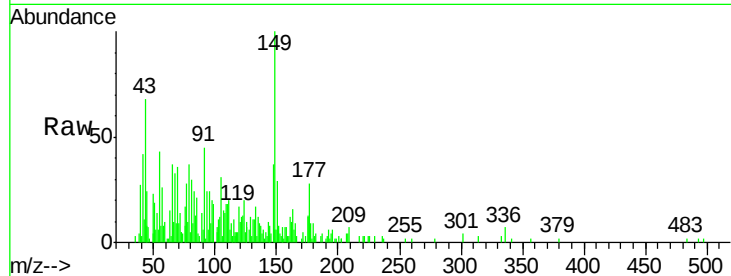
BNA_G

ClientSampleId :

DUPLICATE

Tgt Ion:149 Resp: 11831

Ion	Ratio	Lower	Upper
149	100		
177	28.4	19.2	28.8
150	6.3	10.6	16.0#



#60

4-Chlorophenyl-phenylether

Concen: 0.02 ng

RT: 15.83 min Scan# 2212

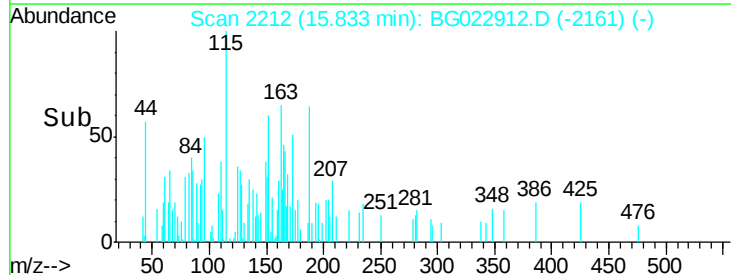
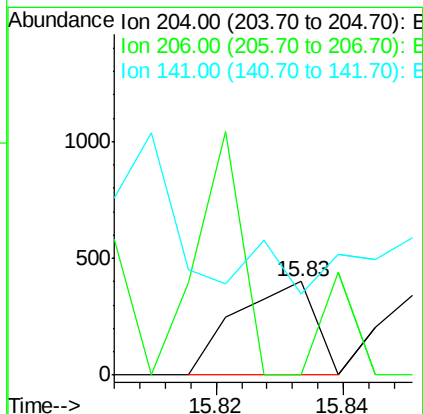
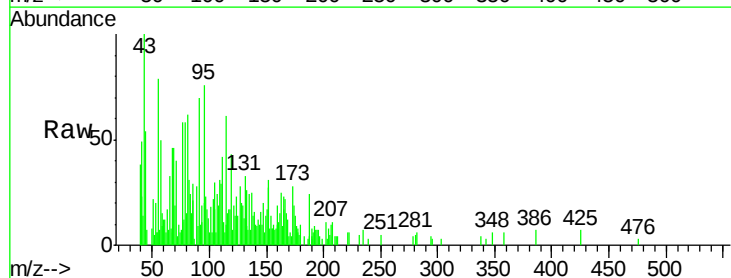
Delta R.T. 0.00 min

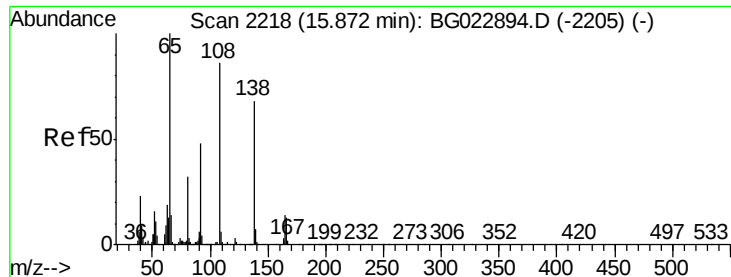
Lab File: BG022912.D

Acq: 8 Jul 2016 2:03

Tgt Ion:204 Resp: 343

Ion	Ratio	Lower	Upper
204	100		
206	0.0	28.5	42.7#
141	86.5	51.4	77.0#

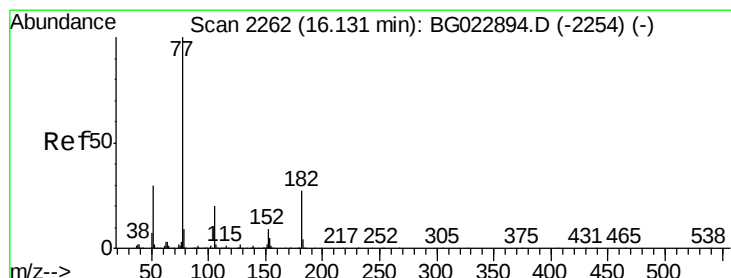
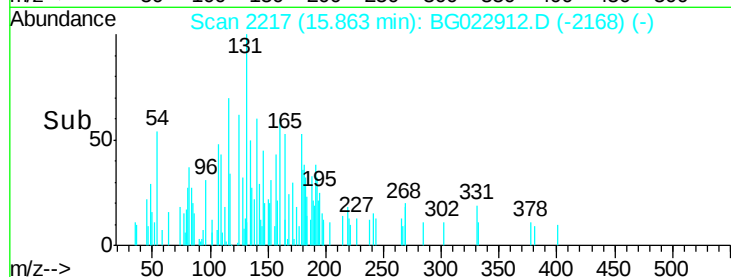
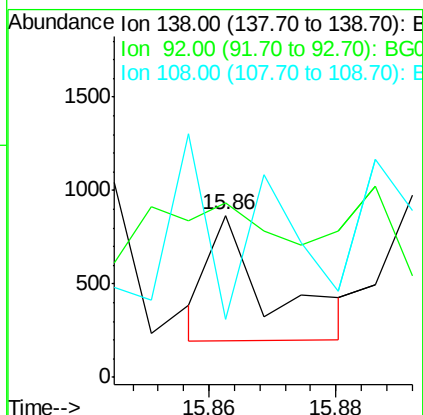
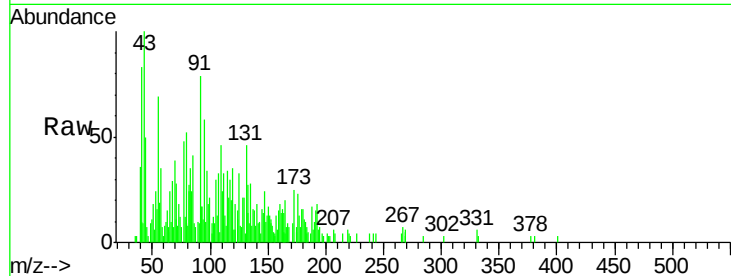




#61
4-Nitroaniline
Concen: 0.06 ng
RT: 15.86 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Instrument :
BNA_G
ClientSampleId :
DUPLICATE

Tgt Ion: 138 Resp: 446
Ion Ratio Lower Upper
138 100
92 107.7 54.1 94.1#
108 35.5 133.9 173.9#



#62
Azobenzene
Concen: 0.05 ng
RT: 15.85 min Scan# 2215
Delta R.T. -0.28 min
Lab File: BG022912.D
Acq: 8 Jul 2016 2:03

Tgt Ion: 77 Resp: 1545
Ion Ratio Lower Upper
77 100
182 3.9 3.5 43.5
105 21.0 0.0 38.5
51 22.4 17.1 57.1

