

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
 Data File : BG023087.D
 Acq On : 14 Jul 2016 3:52
 Operator : UM/SJ
 Sample : PB92093BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

Quant Time: Jul 14 04:48:49 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	100984	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	471291	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	372078	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	913320	20.00	ng	0.00
75) Chrysene-d12	21.86	240	958092	20.00	ng	0.02
86) Perylene-d12	25.25	264	972088	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	481770	78.03	ng	0.00
7) Phenol-d6	7.31	99	775693	80.21	ng	0.00
23) Nitrobenzene-d5	9.33	82	803376	72.99	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	412480	61.68	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1697146	71.85	ng	0.00
78) Terphenyl-d14	20.16	244	2531740	83.11	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	106036	44.18	ng	92
3) Pyridine	3.97	79	232902	28.36	ng	96
4) n-Nitrosodimethylamine	3.89	42	124843	35.43	ng	# 95
6) Aniline	7.47	93	355912	26.56	ng	99
8) 2-Chlorophenol	7.72	128	262792	39.99	ng	99
9) Benzaldehyde	7.28	77	116311	18.00	ng	# 83
10) Phenol	7.34	94	418980	42.11	ng	90
11) bis(2-Chloroethyl)ether	7.56	93	271486	34.42	ng	94
12) 1,3-Dichlorobenzene	8.04	146	255819	31.81	ng	95
13) 1,4-Dichlorobenzene	8.19	146	264164	32.81	ng	98
14) 1,2-Dichlorobenzene	8.51	146	254145	31.75	ng	95
15) Benzyl Alcohol	8.39	79	365854	41.30	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.68	45	334003	34.67	ng	93
17) 2-Methylphenol	8.60	107	271139	41.86	ng	95
18) Hexachloroethane	9.24	117	108282	31.86	ng	98
19) n-Nitroso-di-n-propylamine	8.96	70	293356	33.65	ng	# 98
20) 3+4-Methylphenols	8.93	107	379264	41.99	ng	97
22) Acetophenone	8.98	105	468176	33.10	ng	# 92
24) Nitrobenzene	9.37	77	434958	37.19	ng	# 92
25) Isophorone	9.89	82	783849	35.41	ng	96
26) 2-Nitrophenol	10.08	139	173175	37.74	ng	97
27) 2,4-Dimethylphenol	10.14	122	314764	39.68	ng	88
28) bis(2-Chloroethoxy)methane	10.37	93	450596	36.50	ng	99
29) 2,4-Dichlorophenol	10.63	162	348125	41.15	ng	99
30) 1,2,4-Trichlorobenzene	10.84	180	330664	34.11	ng	98
31) Naphthalene	11.04	128	838480	34.95	ng	99
32) Benzoic acid	10.28	122	220457	30.55	ng	90
33) 4-Chloroaniline	11.14	127	225374	19.21	ng	94
34) Hexachlorobutadiene	11.31	225	248787	31.65	ng	99
35) Caprolactam	11.92	113	93037	26.73	ng	91
36) 4-Chloro-3-methylphenol	12.26	107	451927	39.05	ng	98
37) 2-Methylnaphthalene	12.63	142	697158	36.77	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	452031	28.19	ng	99
40) Hexachlorocyclopentadiene	12.98	237	593683	64.32	ng	98

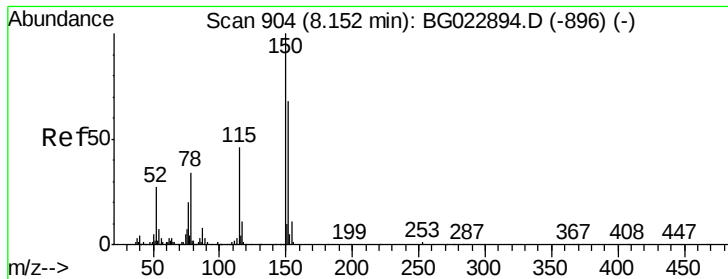
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.23	196	335681	36.42	ng	96
43) 2,4,5-Trichlorophenol	13.32	196	356048	37.62	ng	95
45) 1,1'-Biphenyl	13.63	154	998323	35.76	ng	97
46) 2-Chloronaphthalene	13.68	162	830330	36.67	ng	97
47) 2-Nitroaniline	13.89	65	362447	37.51	ng	95
48) Acenaphthylene	14.53	152	1258990	37.06	ng	99
49) Dimethylphthalate	14.25	163	1128544	37.13	ng	98
50) 2,6-Dinitrotoluene	14.38	165	256200	37.51	ng	87
51) Acenaphthene	14.87	154	816379	36.78	ng	99
52) 3-Nitroaniline	14.71	138	171057	25.11	ng	91
53) 2,4-Dinitrophenol	14.91	184	319749	68.22	ng	97
54) Dibenzofuran	15.20	168	1328941	39.99	ng	99
55) 4-Nitrophenol	15.03	139	391906	68.64	ng	95
56) 2,4-Dinitrotoluene	15.16	165	373929	37.55	ng	# 99
57) Fluorene	15.85	166	1067298	37.32	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.43	232	364850	38.53	ng	98
59) Diethylphthalate	15.61	149	1185682	38.34	ng	99
60) 4-Chlorophenyl-phenylether	15.84	204	624301	35.84	ng	97
61) 4-Nitroaniline	15.88	138	258907	35.13	ng	# 80
62) Azobenzene	16.13	77	1301005	43.98	ng	94
64) 4,6-Dinitro-2-methylphenol	15.92	198	237689	35.02	ng	97
65) n-Nitrosodiphenylamine	16.05	169	1009219	38.35	ng	98
66) 4-Bromophenyl-phenylether	16.74	248	420770	35.41	ng	96
67) Hexachlorobenzene	16.86	284	449865	34.82	ng	99
68) Atrazine	17.00	200	410159	35.14	ng	96
69) Pentachlorophenol	17.21	266	564468	67.46	ng	95
70) Phenanthrene	17.60	178	1733760	38.74	ng	99
71) Anthracene	17.69	178	1767679	39.00	ng	99
72) Carbazole	17.96	167	1541830	39.37	ng	99
73) Di-n-butylphthalate	18.50	149	1851507	42.51	ng	99
74) Fluoranthene	19.61	202	2007684	36.55	ng	97
76) Benzidine	19.79	184	873050	31.79	ng	98
77) Pyrene	19.97	202	2035784	37.81	ng	99
79) Butylbenzylphthalate	20.84	149	890952	41.78	ng	97
80) Benzo(a)anthracene	21.85	228	2141415	39.95	ng	97
81) 3,3'-Dichlorobenzidine	21.75	252	658354	27.98	ng	# 99
82) Chrysene	21.91	228	1970983	39.20	ng	99
83) Bis(2-ethylhexyl)phthalate	21.72	149	1224473	41.35	ng	99
84) Di-n-octyl phthalate	22.99	149	2057734	41.67	ng	98
85) Indeno(1,2,3-cd)pyrene	29.12	276	2354722	36.73	ng	# 100
87) Benzo(b)fluoranthene	24.17	252	2206215	39.34	ng	# 98
88) Benzo(k)fluoranthene	24.24	252	2131069	40.04	ng	# 98
89) Benzo(a)pyrene	25.09	252	2155350	40.09	ng	# 99
90) Dibenzo(a,h)anthracene	29.19	278	2007457	37.62	ng	# 98
91) Benzo(g,h,i)perylene	30.33	276	1900694	35.57	ng	# 97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

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PB92093BS

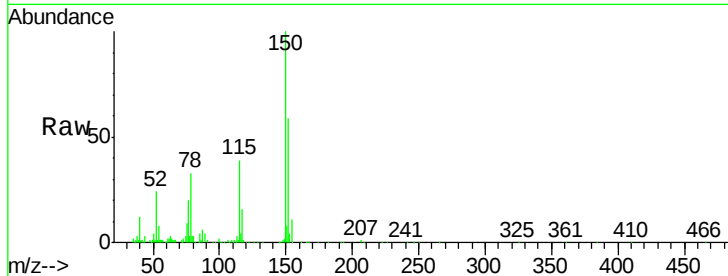
Tgt Ion:152 Resp: 100984

Ion Ratio Lower Upper

152 100

150 170.9 144.7 217.1

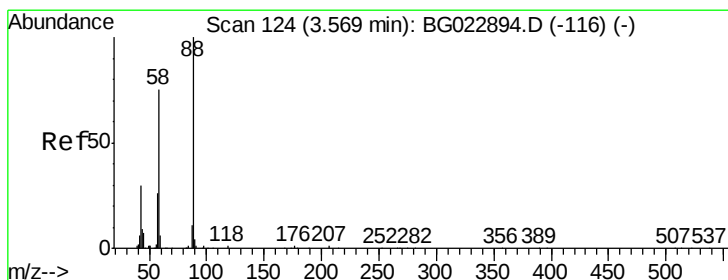
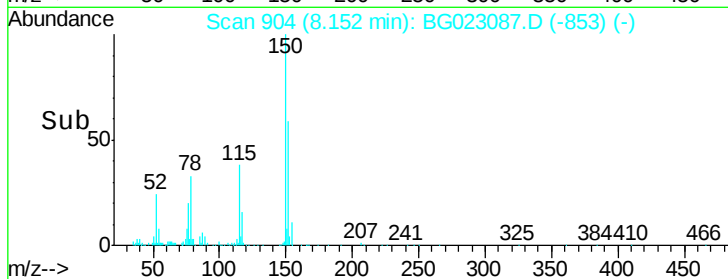
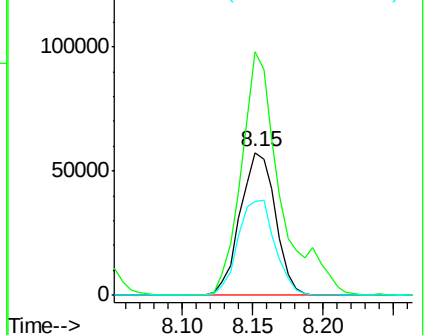
115 66.0 64.0 96.0



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: 44.18 ng

RT: 3.56 min Scan# 123

Delta R.T. -0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

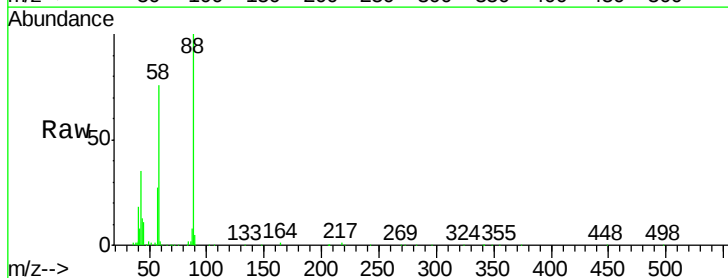
Tgt Ion: 88 Resp: 106036

Ion Ratio Lower Upper

88 100

58 80.4 60.4 90.6

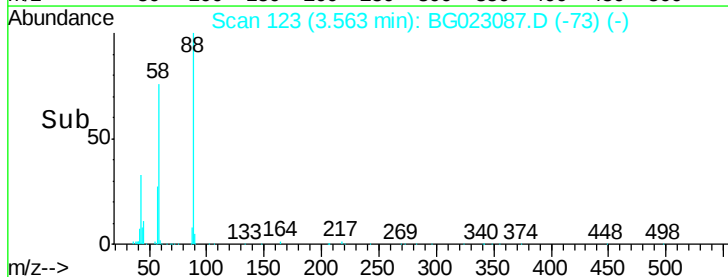
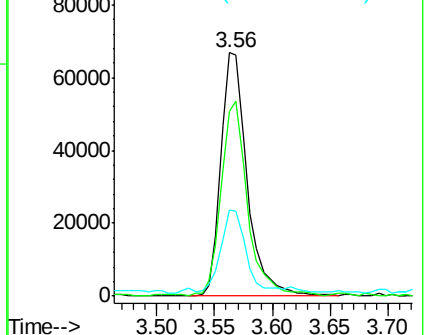
43 31.9 31.1 46.7

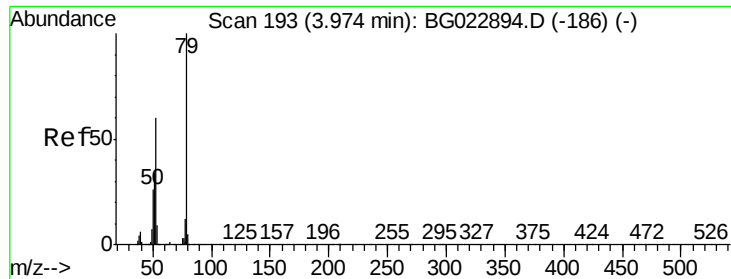


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 28.36 ng

RT: 3.97 min Scan# 192

Delta R.T. -0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

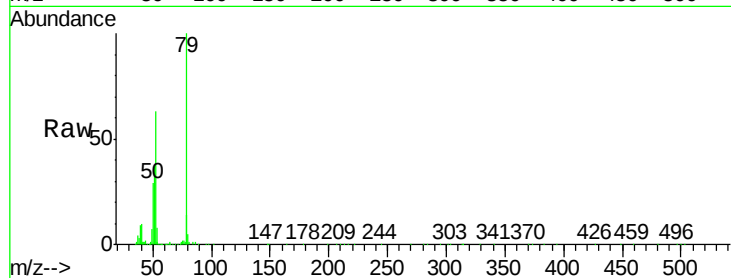
Tgt Ion: 79 Resp: 232902

Ion Ratio Lower Upper

79 100

52 63.0 51.8 77.8

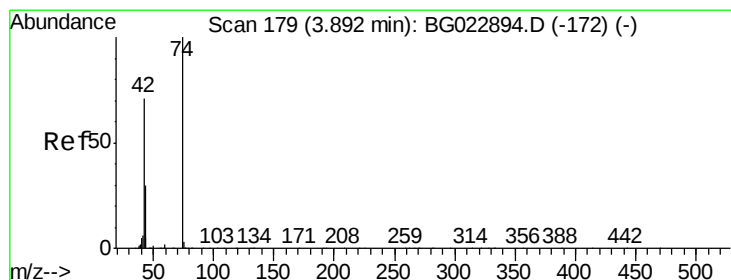
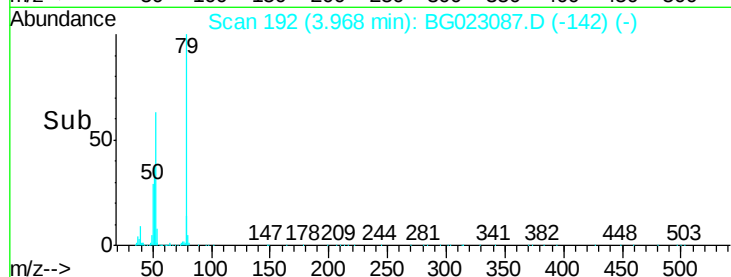
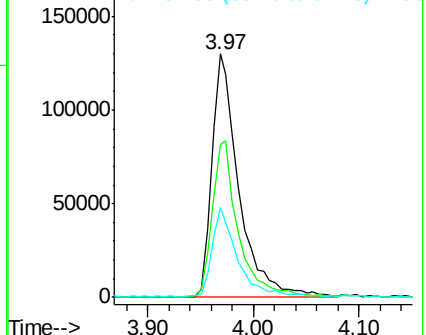
51 37.2 32.7 49.1



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: 35.43 ng

RT: 3.89 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

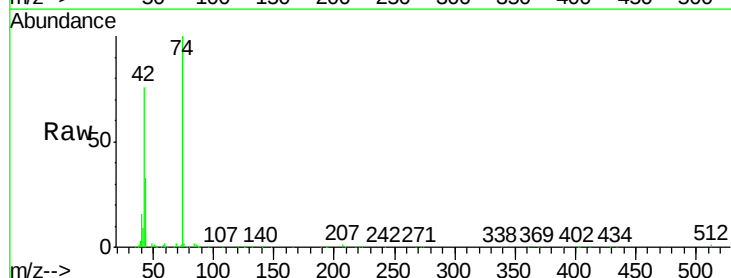
Tgt Ion: 42 Resp: 124843

Ion Ratio Lower Upper

42 100

74 131.1 100.6 150.8

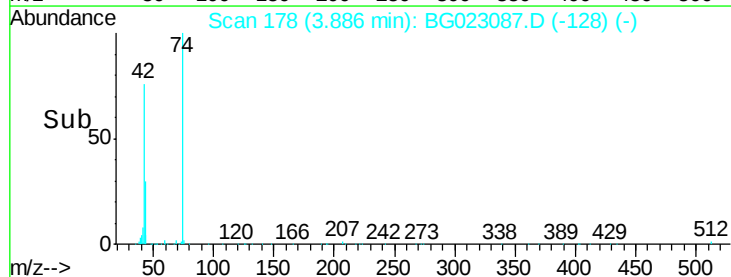
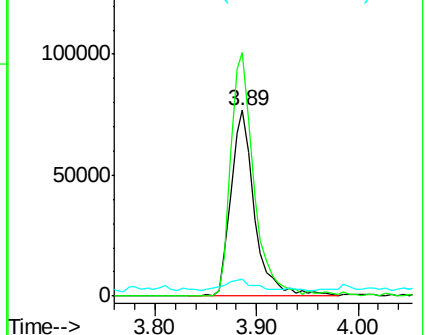
44 9.0 4.5 6.7#

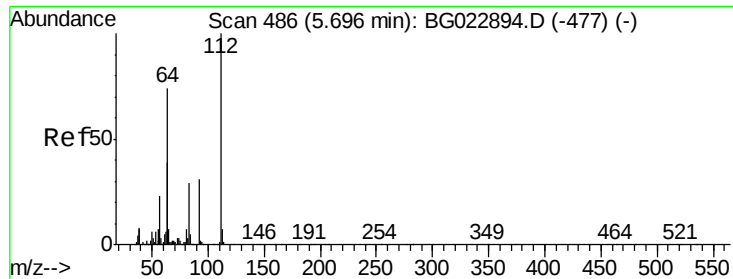


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 78.03 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

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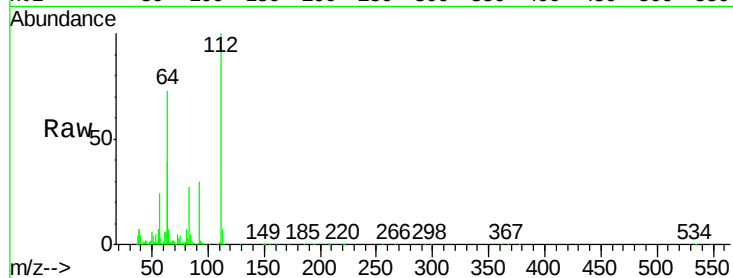
Tgt Ion: 112 Resp: 481770

Ion Ratio Lower Upper

112 100

64 72.9 59.0 88.4

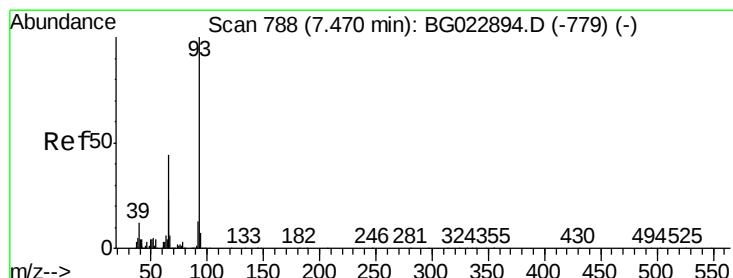
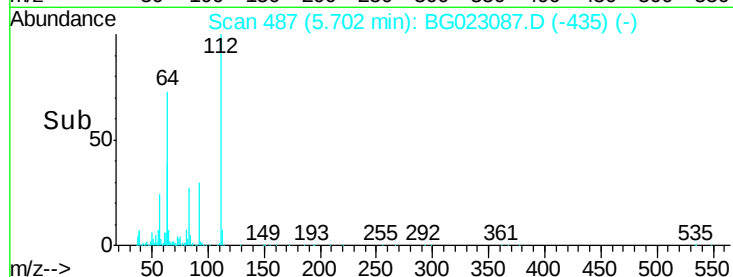
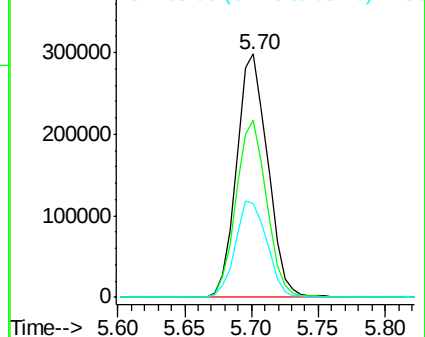
63 38.7 37.8 56.8



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: 26.56 ng

RT: 7.47 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

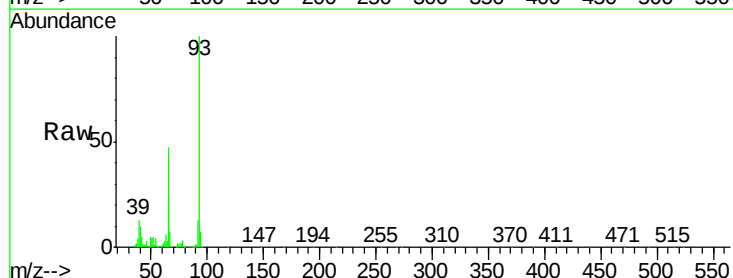
Tgt Ion: 93 Resp: 355912

Ion Ratio Lower Upper

93 100

66 47.3 37.5 56.3

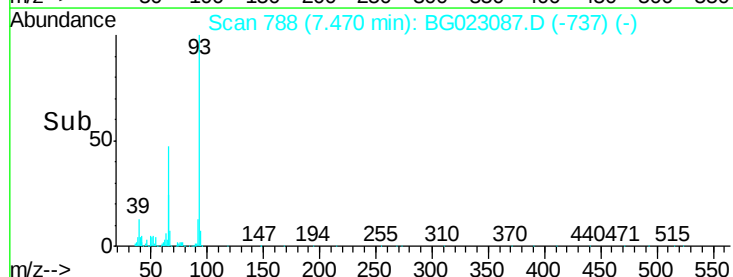
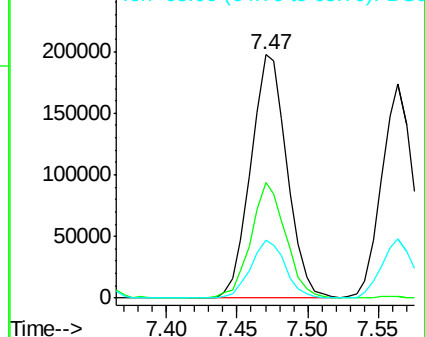
65 23.9 17.9 26.9

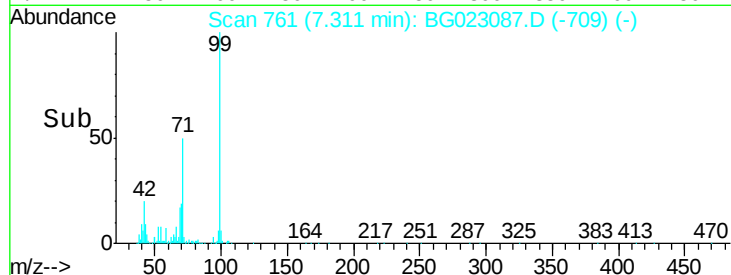
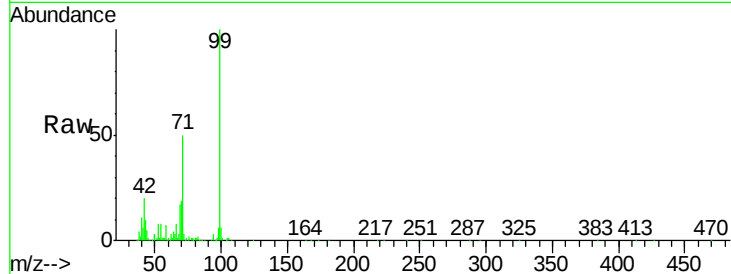
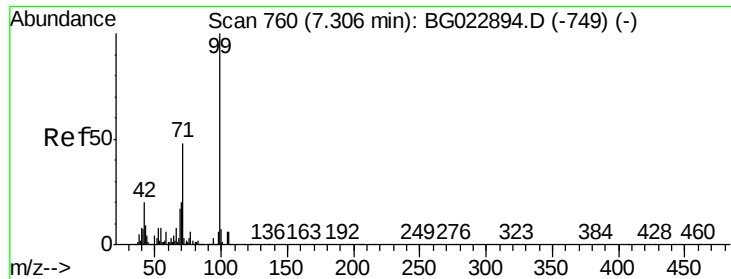


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 80.21 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

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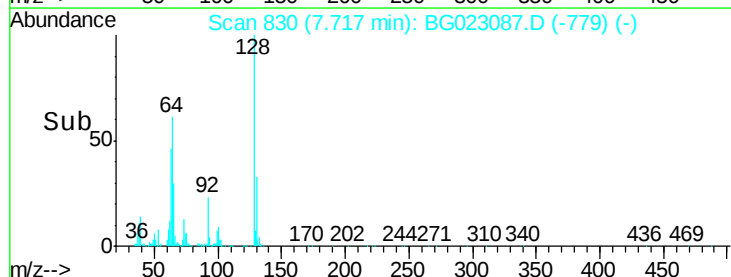
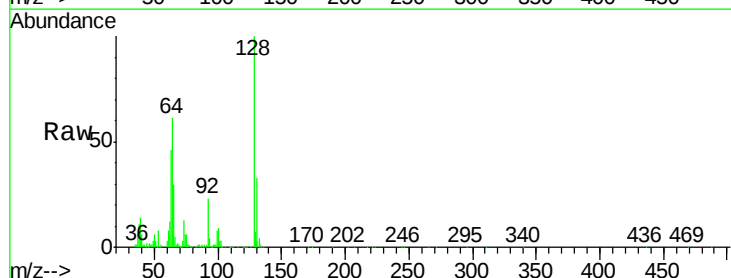
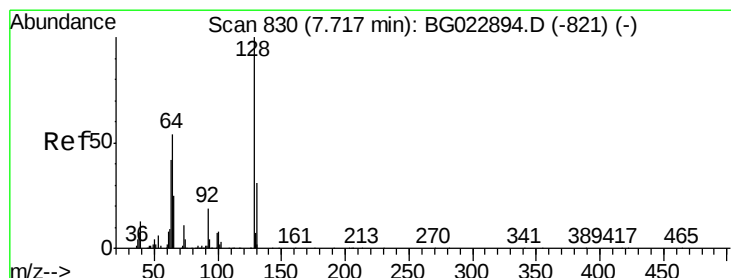
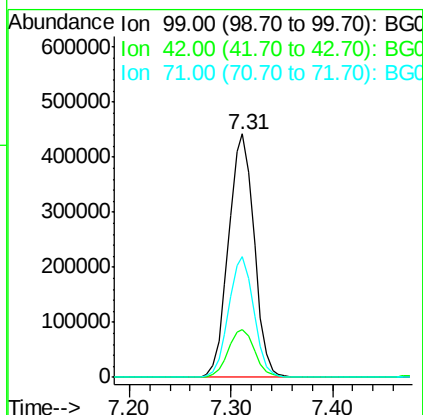
Tgt Ion: 99 Resp: 775693

Ion Ratio Lower Upper

99 100

42 19.9 17.8 26.6

71 49.6 41.5 62.3



#8

2-Chlorophenol

Concen: 39.99 ng

RT: 7.72 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

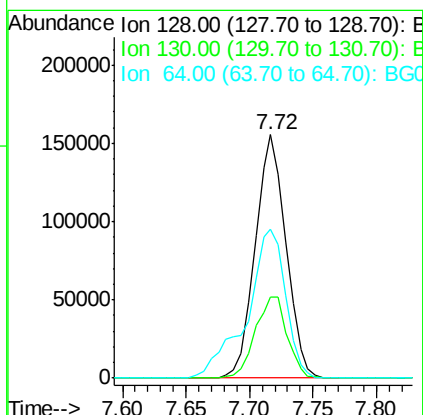
Tgt Ion: 128 Resp: 262792

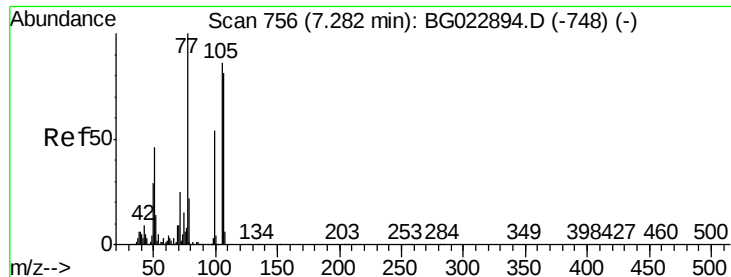
Ion Ratio Lower Upper

128 100

130 33.5 12.9 52.9

64 61.4 42.0 82.0





#9

Benzaldehyde

Concen: 18.00 ng

RT: 7.28 min Scan# 756

Delta R.T. -0.00 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

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BNA_G

ClientSampleId :

PB92093BS

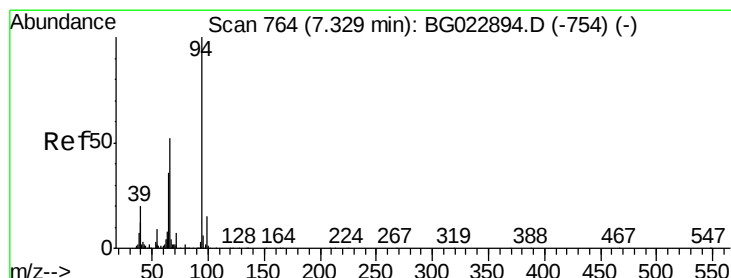
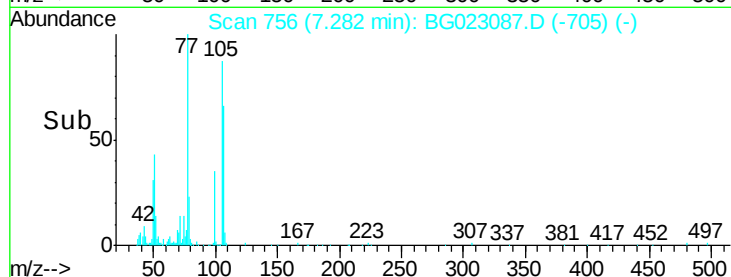
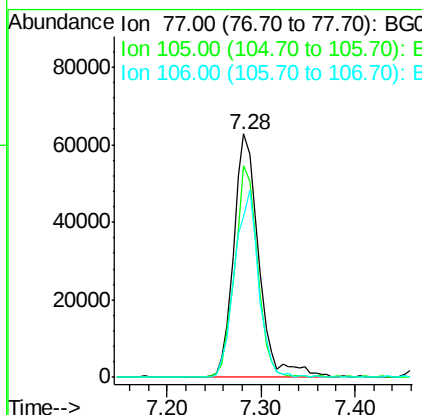
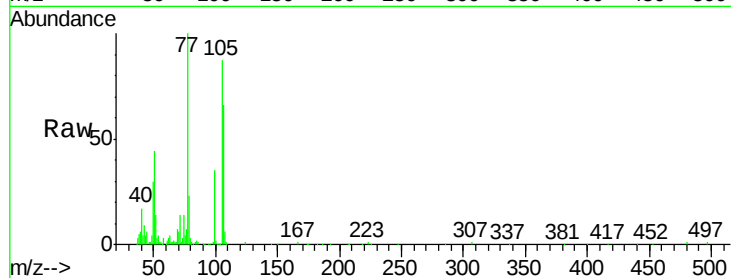
Tgt Ion: 77 Resp: 116311

Ion Ratio Lower Upper

77 100

105 87.1 58.7 98.7

106 66.1 67.5 107.5#



#10

Phenol

Concen: 42.11 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

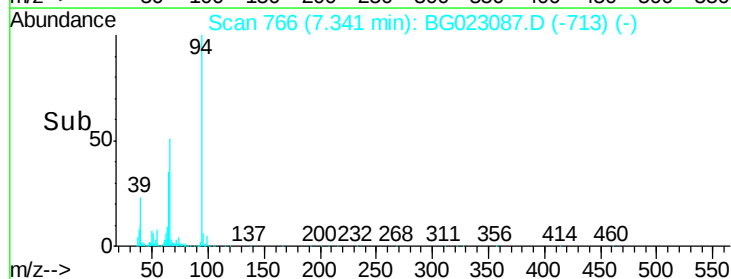
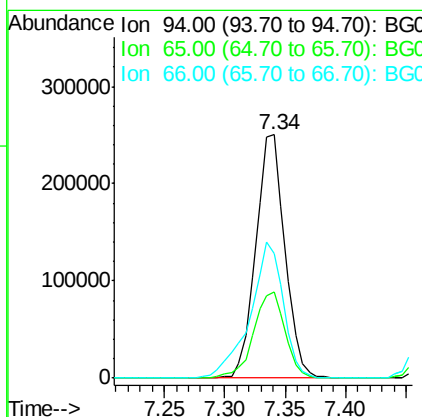
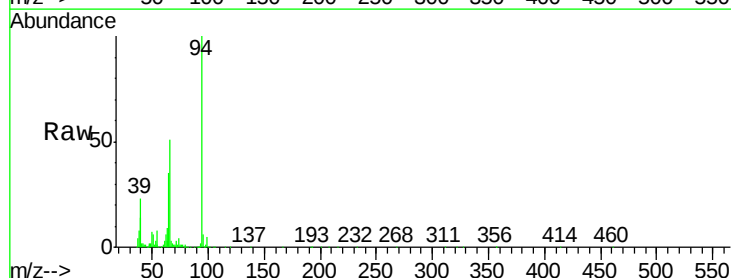
Tgt Ion: 94 Resp: 418980

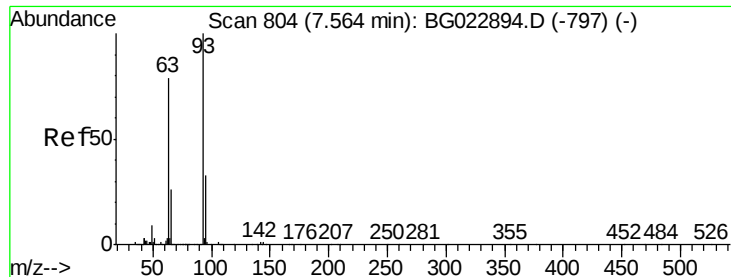
Ion Ratio Lower Upper

94 100

65 35.4 18.1 58.1

66 51.3 42.1 82.1

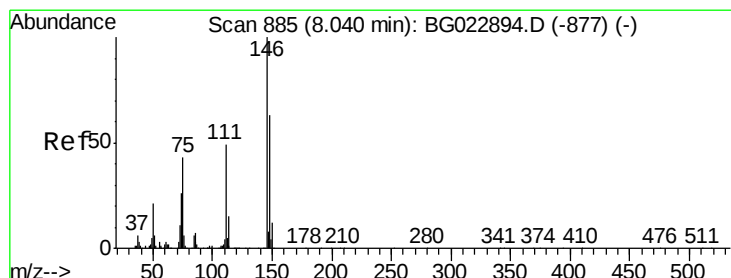
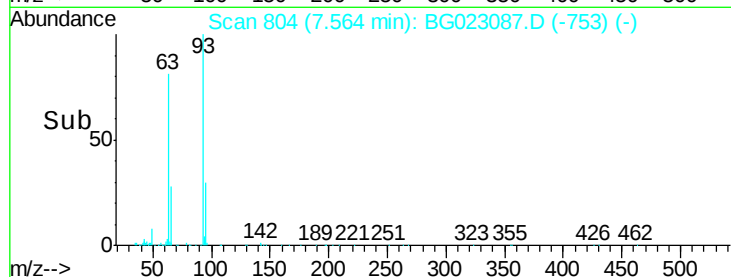
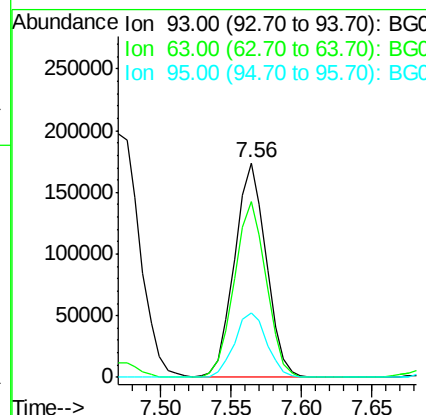
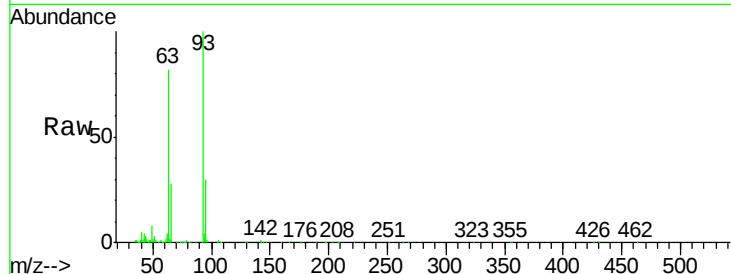




#11
bis(2-Chloroethyl)ether
Concen: 34.42 ng
RT: 7.56 min Scan# 804
Delta R.T. -0.00 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

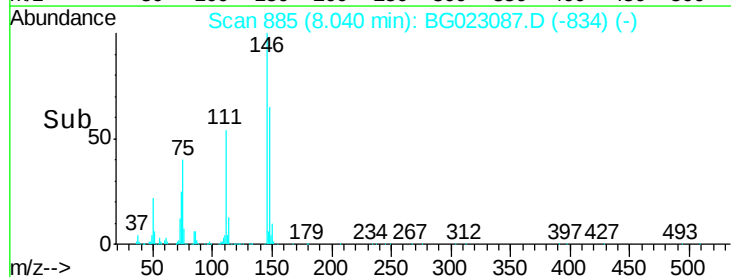
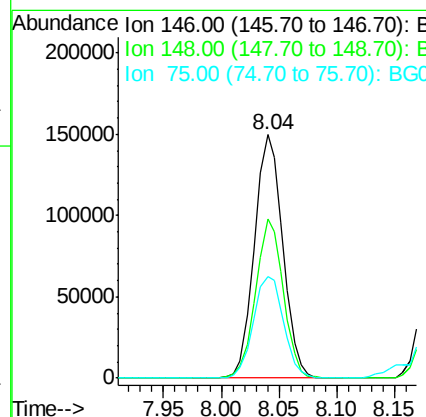
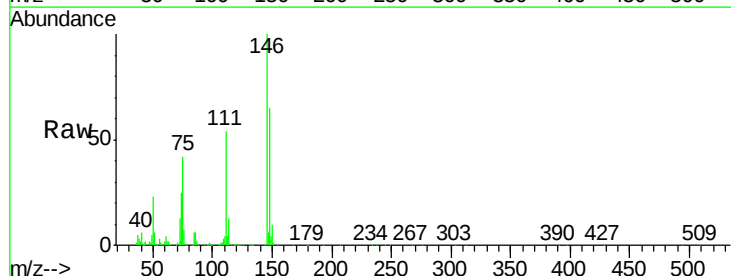
Instrument :
BNA_G
ClientSampleId :
PB92093BS

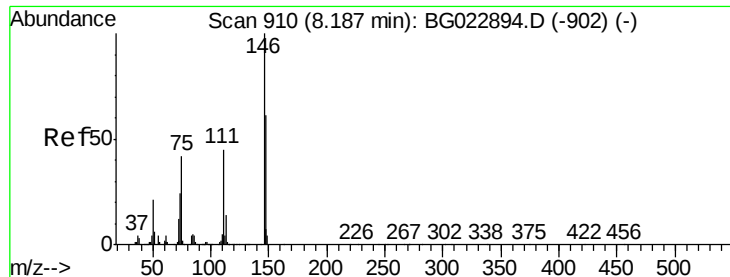
Tgt Ion	Ratio	Lower	Upper
93	100		
63	81.7	55.0	95.0
95	30.1	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 31.81 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.3	75.5
75	41.6	37.0	55.6

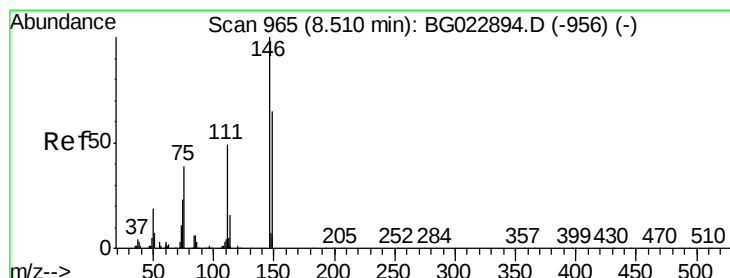
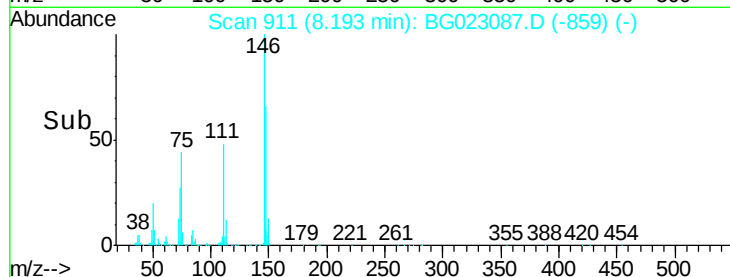
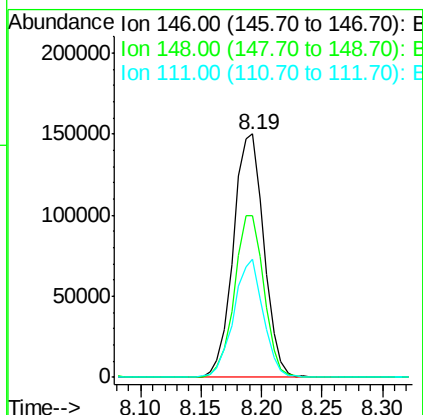
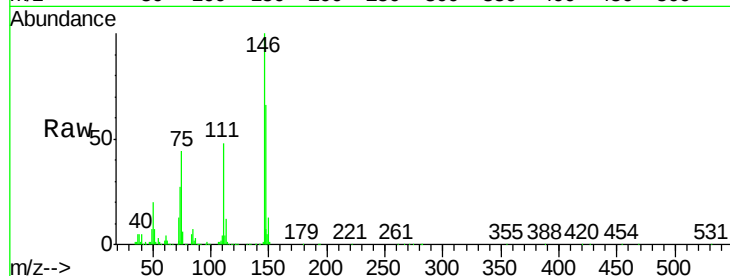




#13
 1,4-Dichlorobenzene
 Concen: 32.81 ng
 RT: 8.19 min Scan# 911
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

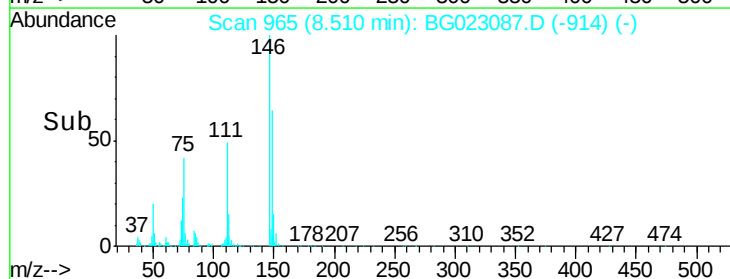
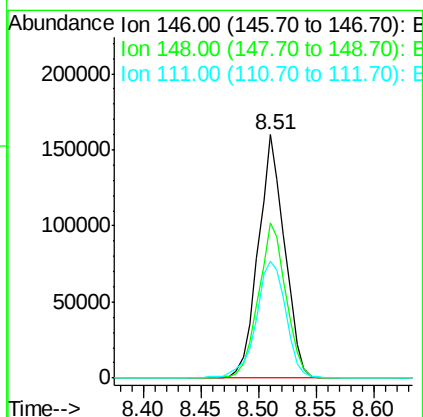
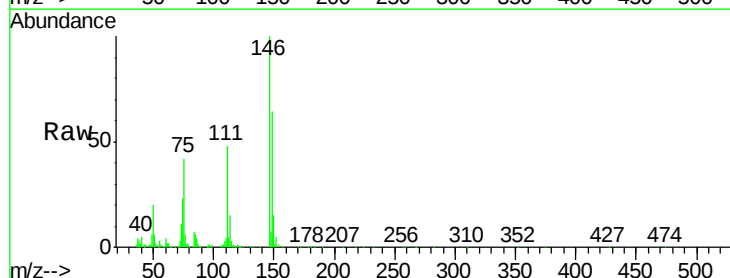
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

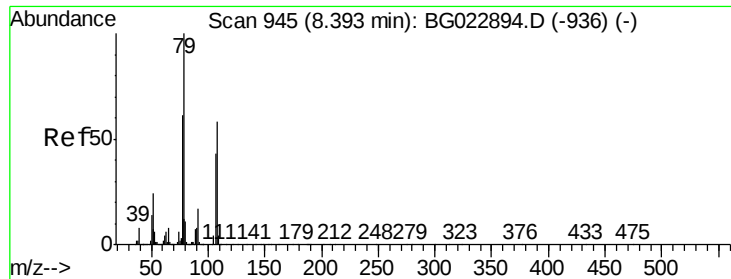
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.4	54.5	81.7
111	48.3	37.8	56.8



#14
 1,2-Dichlorobenzene
 Concen: 31.75 ng
 RT: 8.51 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.9	79.3
111	48.2	43.5	65.3

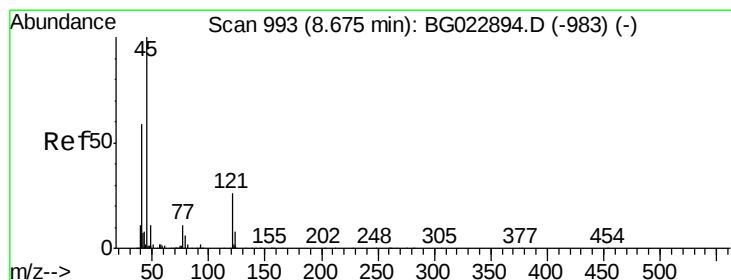
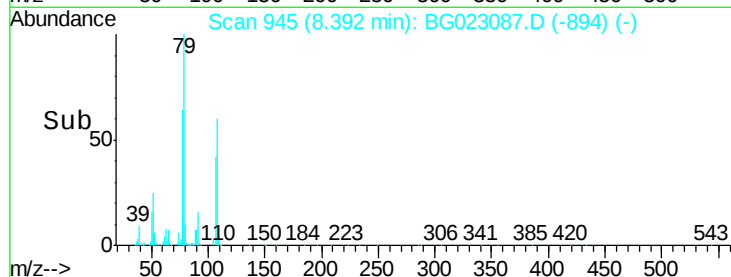
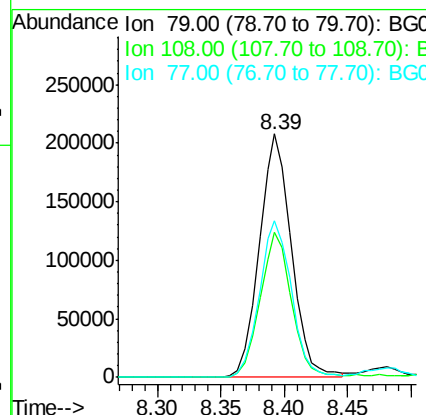
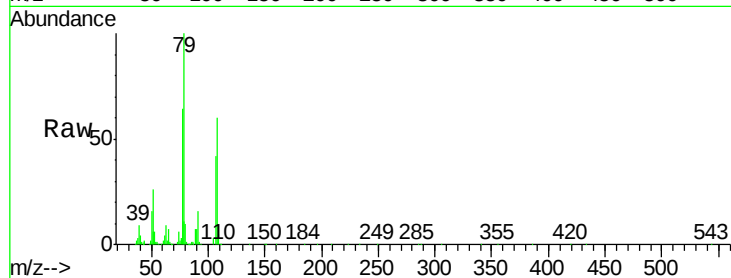




#15
Benzyl Alcohol
Concen: 41.30 ng
RT: 8.39 min Scan# 945
Delta R.T. -0.00 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

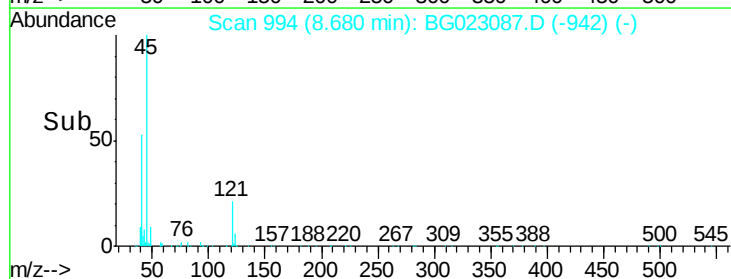
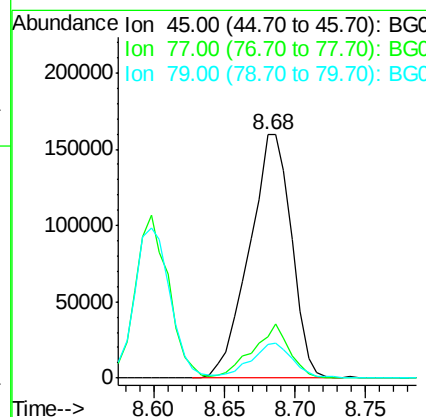
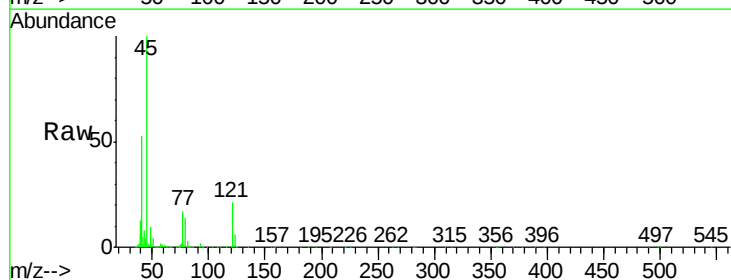
Instrument :
BNA_G
ClientSampled :
PB92093BS

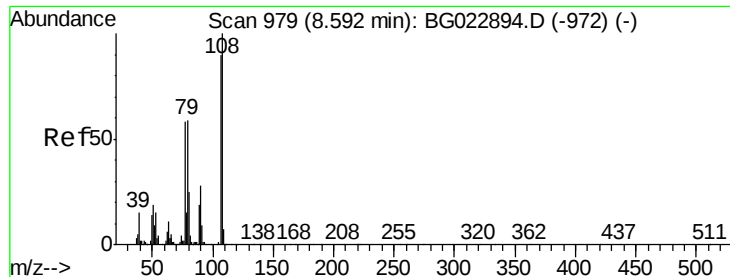
Tgt Ion: 79 Resp: 365854
Ion Ratio Lower Upper
79 100
108 59.6 46.5 69.7
77 64.4 52.3 78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.67 ng
RT: 8.68 min Scan# 994
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion: 45 Resp: 334003
Ion Ratio Lower Upper
45 100
77 16.7 0.6 40.6
79 13.7 0.0 36.2

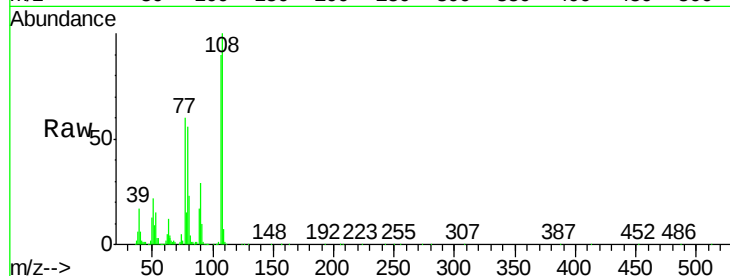




#17
2-Methylphenol
Concen: 41.86 ng
RT: 8.60 min Scan# 980
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Instrument :
BNA_G
ClientSampleId :
PB92093BS

Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.8	92.0	138.0
77	66.6	55.8	83.6
79	61.8	55.0	82.6



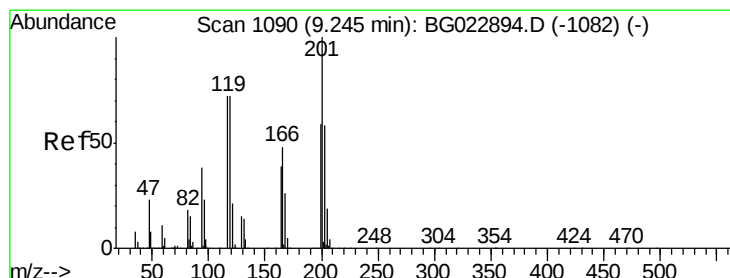
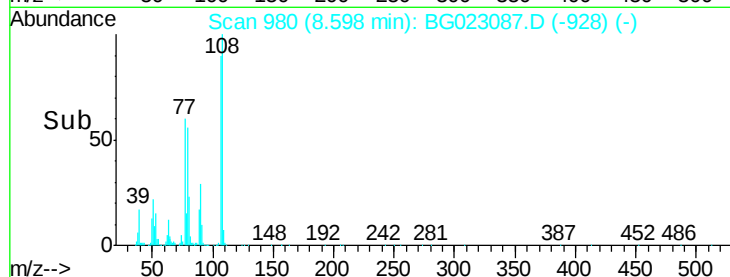
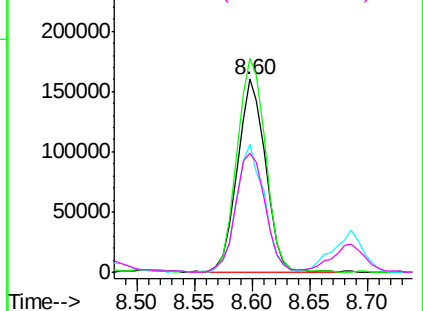
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

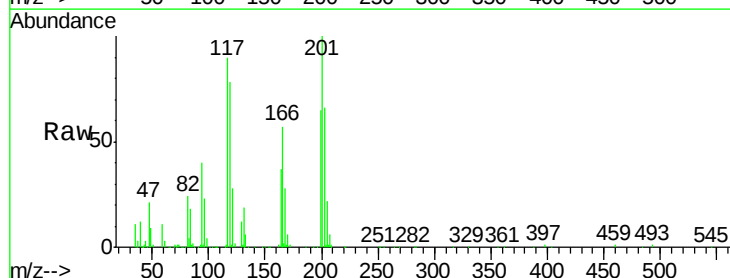
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18
Hexachloroethane
Concen: 31.86 ng
RT: 9.24 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.1	73.7	110.5
201	111.0	88.7	133.1

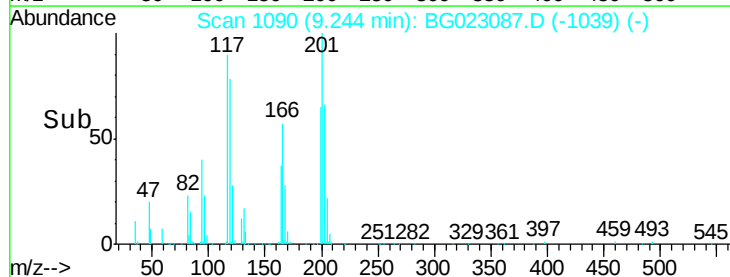
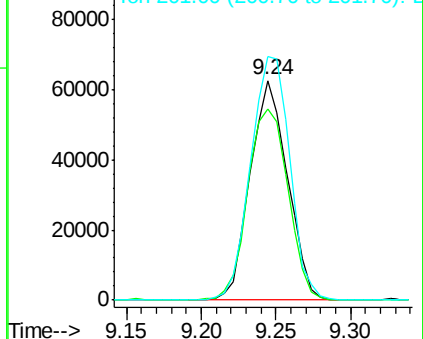


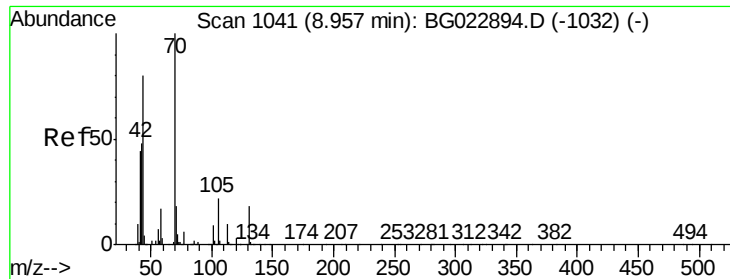
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

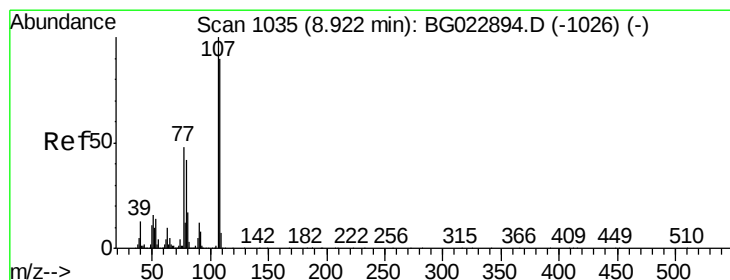
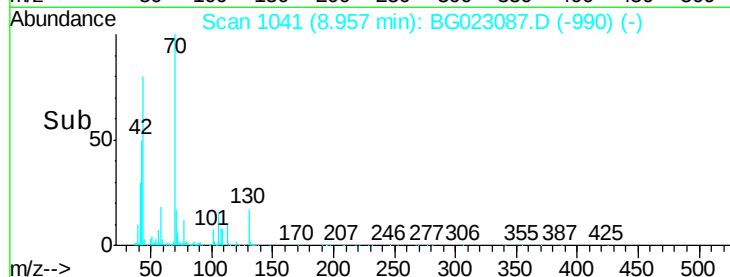
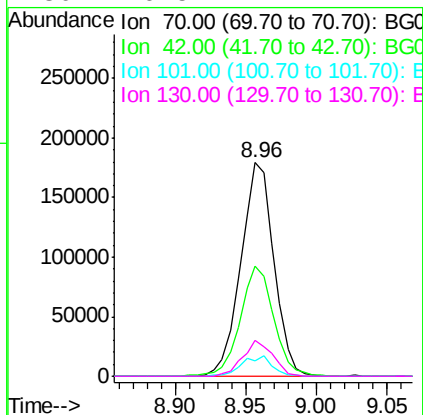
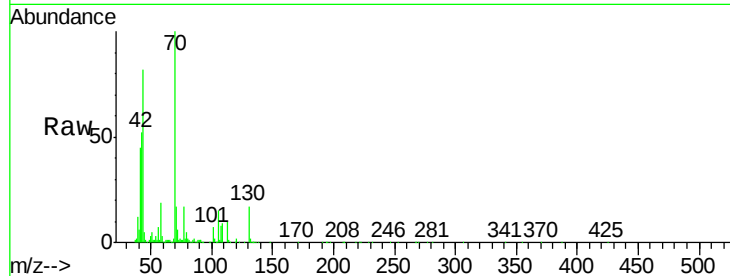




#19
n-Nitroso-di-n-propylamine
Concen: 33.65 ng
RT: 8.96 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

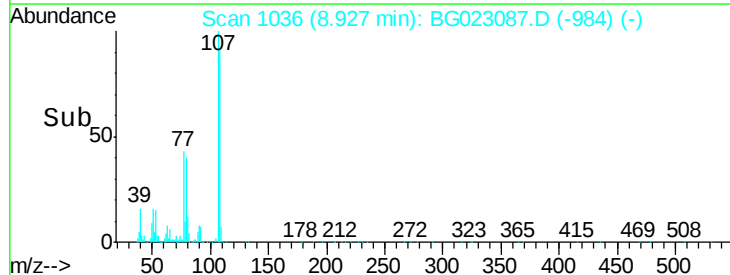
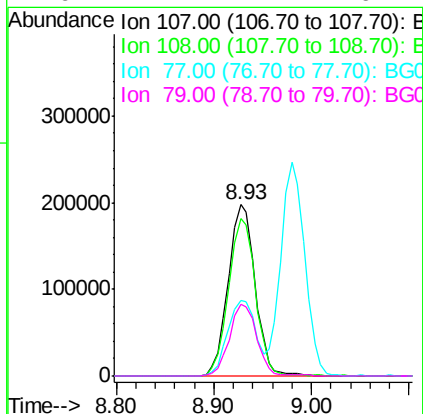
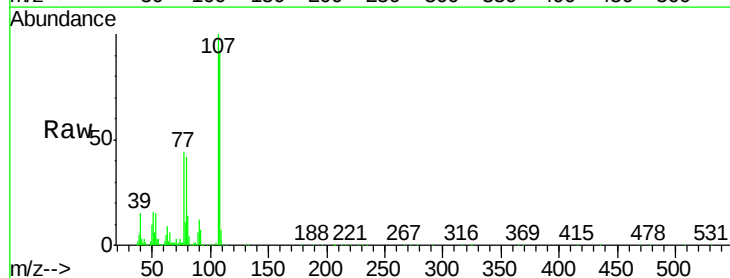
Instrument :
BNA_G
ClientSampleId :
PB92093BS

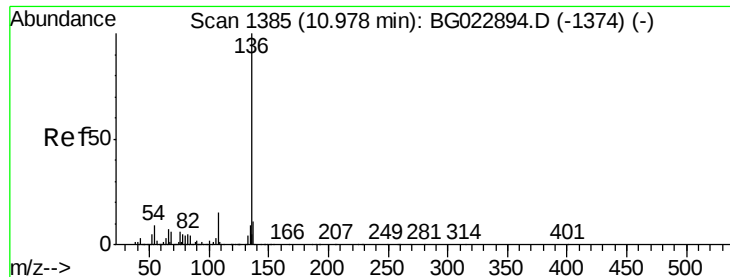
Tgt Ion:	70	Resp:	293356
Ion	Ratio	Lower	Upper
70	100		
42	51.7	42.1	63.1
101	6.9	7.2	10.8#
130	16.5	14.2	21.2



#20
3+4-Methylphenols
Concen: 41.99 ng
RT: 8.93 min Scan# 1036
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion:	107	Resp:	379264
Ion	Ratio	Lower	Upper
107	100		
108	92.2	72.5	112.5
77	44.2	30.1	70.1
79	42.2	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: BG023087.D

Acq: 14 Jul 2016 3:52

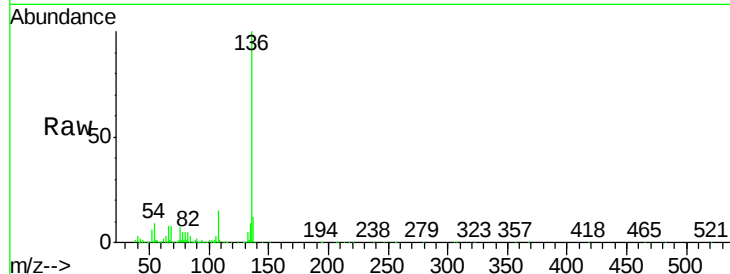
Instrument :

BNA_G

ClientSampleId :

PB92093BS

Tgt Ion:	136	Resp:	471291
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.6	14.4
54	9.3	7.3	10.9
68	7.9	5.3	7.9#

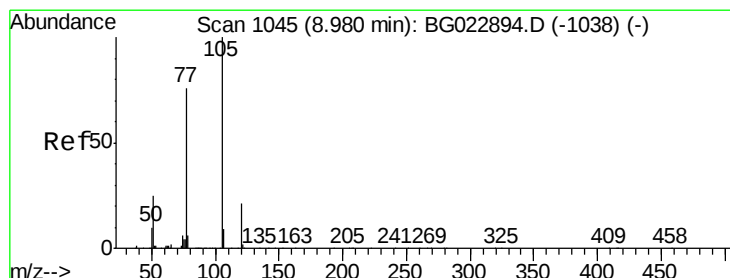
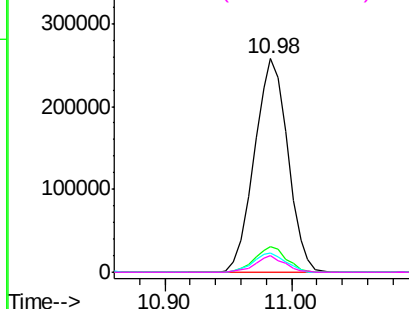
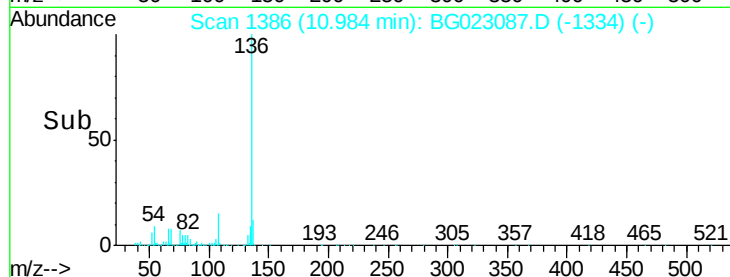


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 33.10 ng

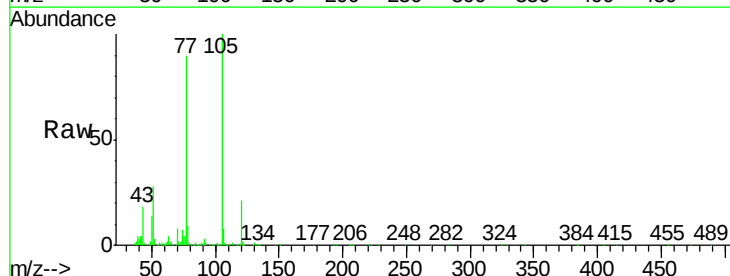
RT: 8.98 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Tgt Ion:	105	Resp:	468176
Ion Ratio	Lower	Upper	
105	100		
71	1.5	2.6	3.8#
51	28.4	27.1	40.7
120	21.4	15.1	22.7

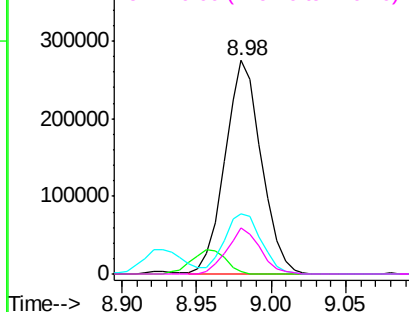
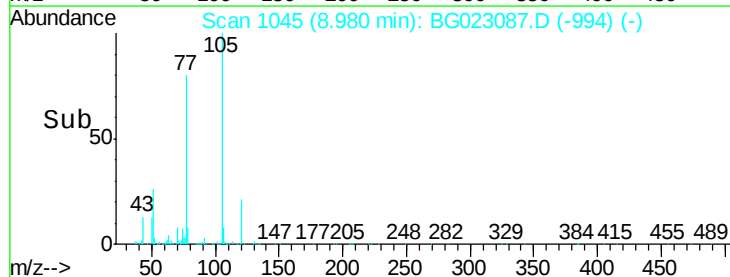


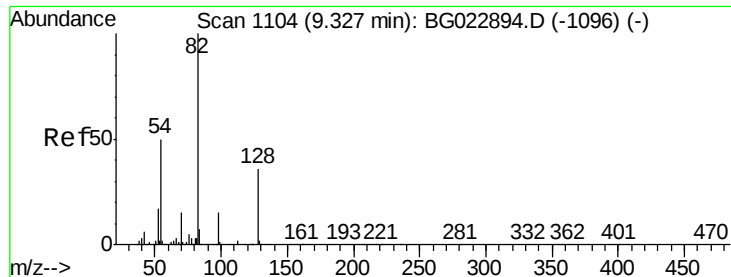
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

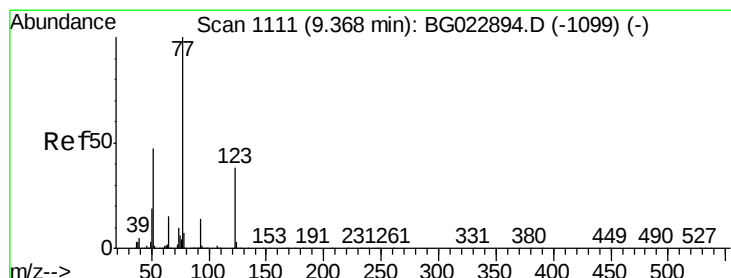
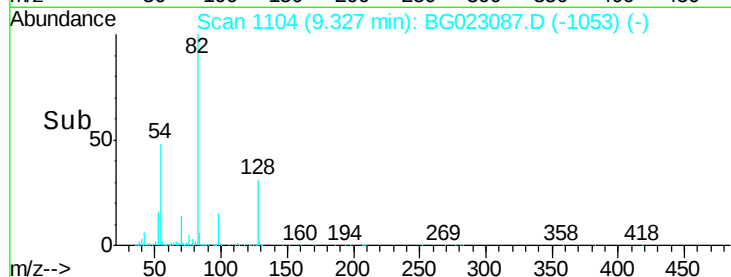
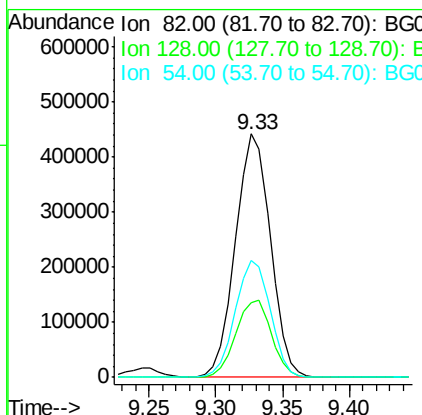
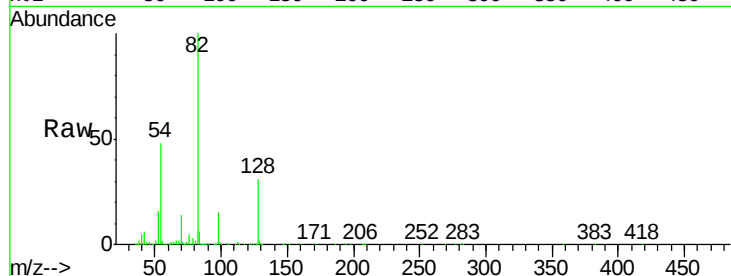




#23
 Nitrobenzene-d5
 Concen: 72.99 ng
 RT: 9.33 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

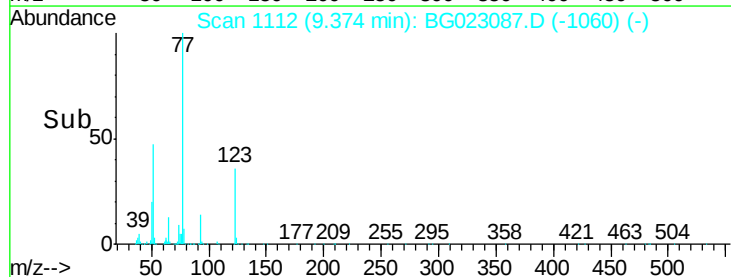
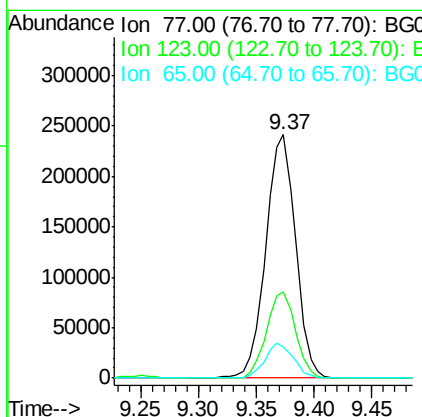
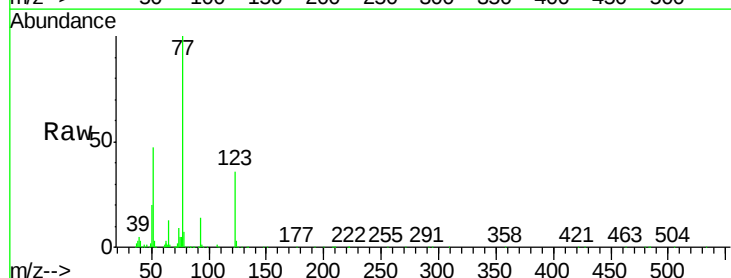
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

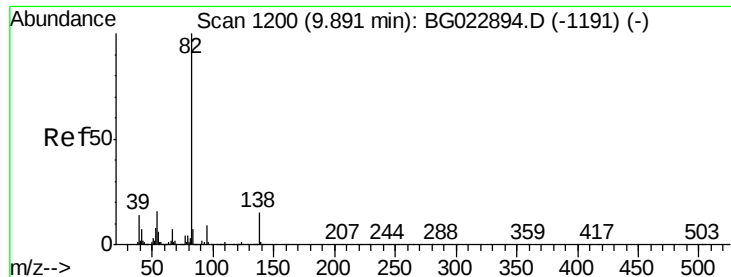
Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.7	24.4	36.6
54	47.9	41.4	62.0



#24
 Nitrobenzene
 Concen: 37.19 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.6	25.0	37.6
65	12.8	13.4	20.0





#25

Isophorone

Concen: 35.41 ng

RT: 9.89 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

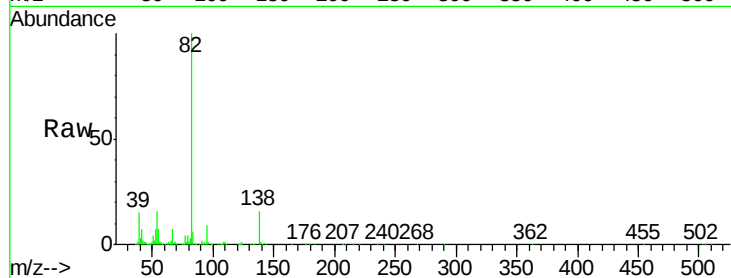
Tgt Ion: 82 Resp: 783849

Ion Ratio Lower Upper

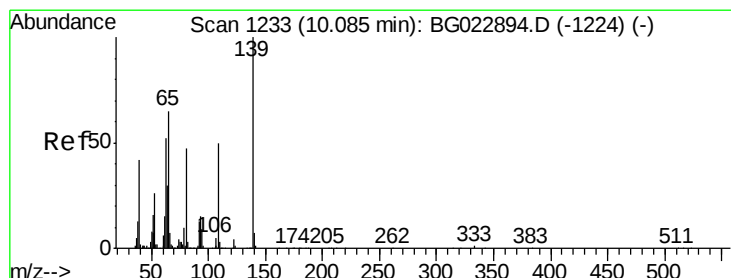
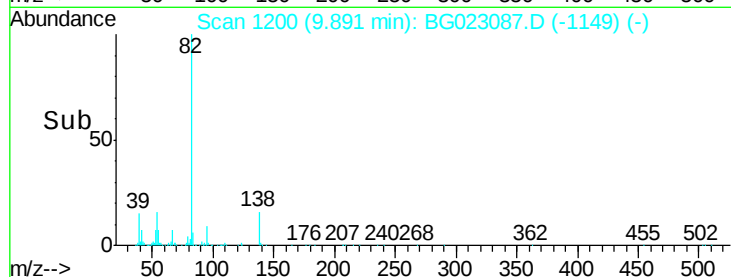
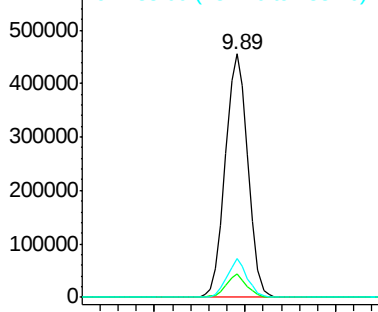
82 100

95 9.5 8.2 12.2

138 15.7 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: 37.74 ng

RT: 10.08 min Scan# 1233

Delta R.T. -0.00 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

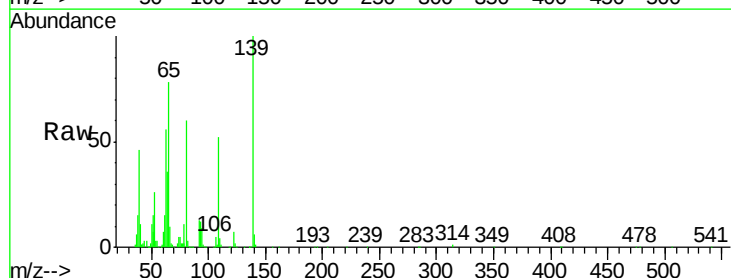
Tgt Ion: 139 Resp: 173175

Ion Ratio Lower Upper

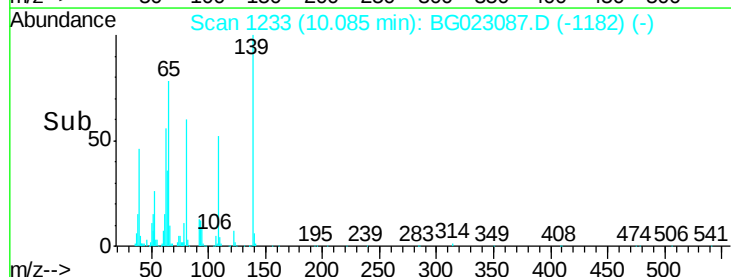
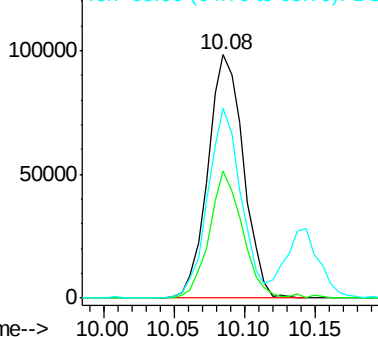
139 100

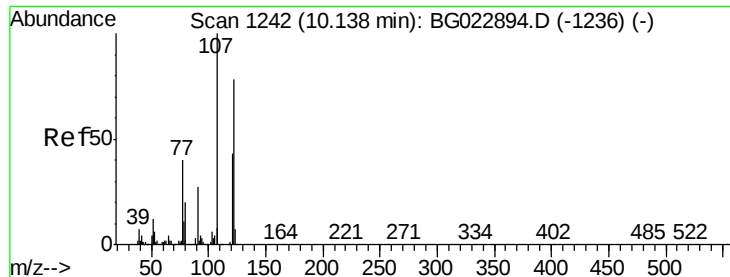
109 52.2 43.5 65.3

65 78.0 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

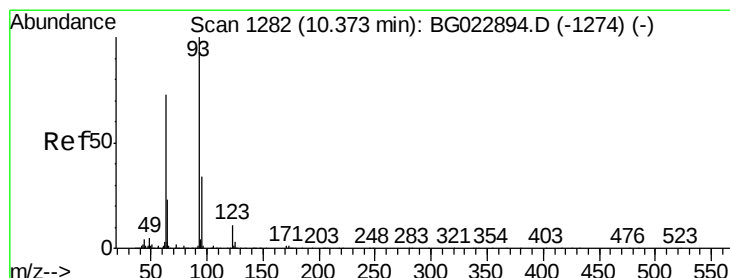
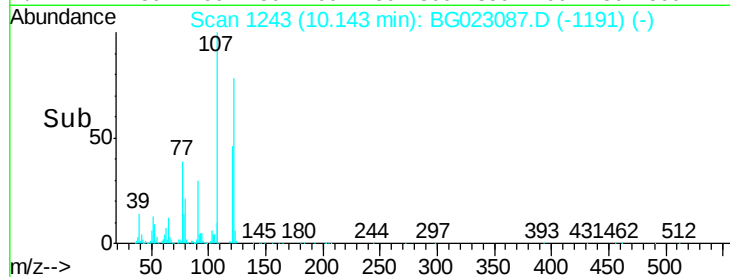
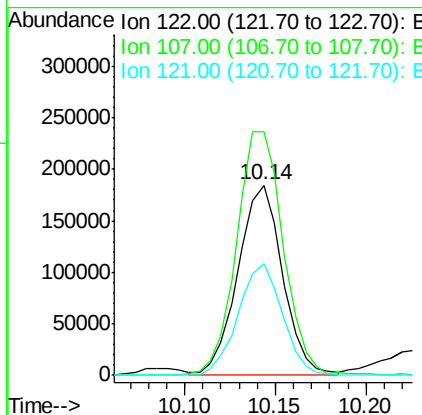
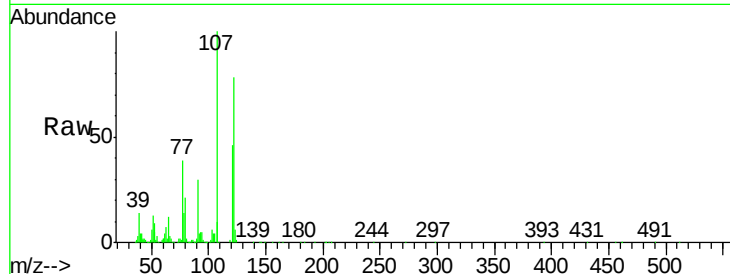




#27
 2,4-Dimethylphenol
 Concen: 39.68 ng
 RT: 10.14 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

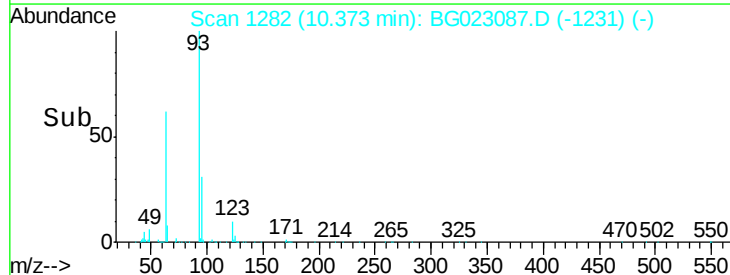
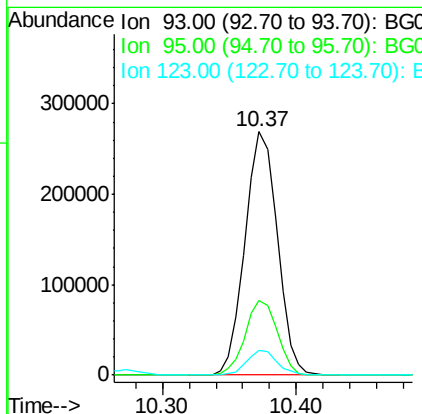
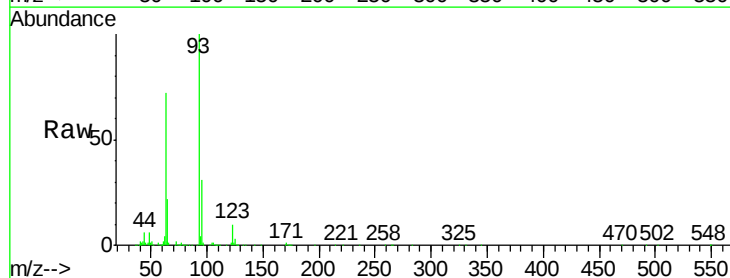
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

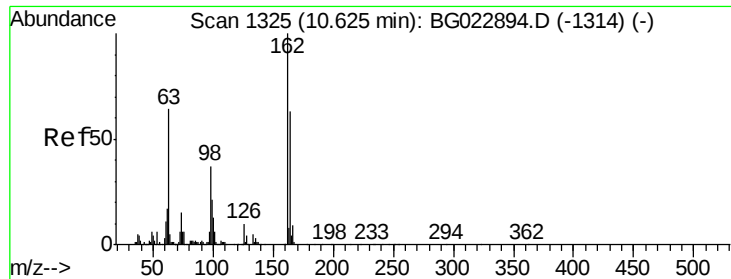
Tgt Ion: 122 Resp: 314764
 Ion Ratio Lower Upper
 122 100
 107 128.1 117.0 175.4
 121 58.6 50.1 75.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 36.50 ng
 RT: 10.37 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion: 93 Resp: 450596
 Ion Ratio Lower Upper
 93 100
 95 30.9 25.4 38.2
 123 10.3 8.2 12.2

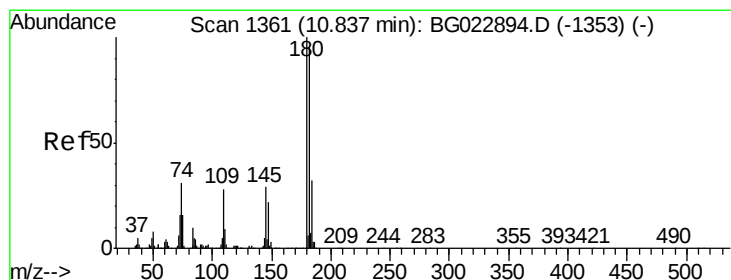
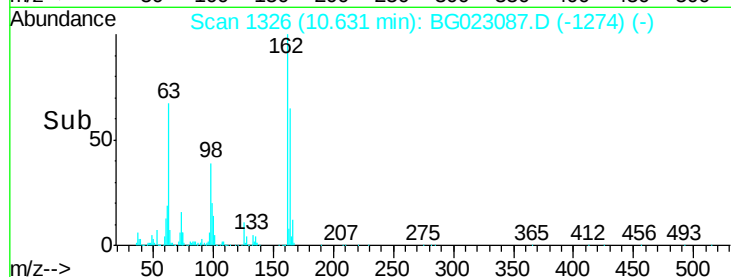
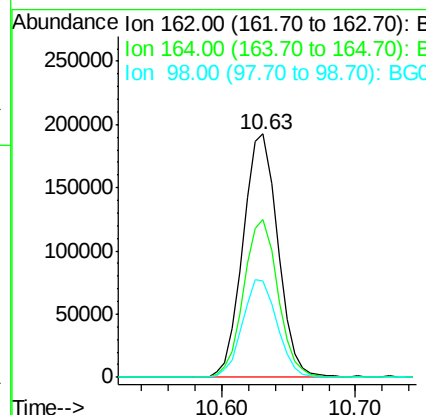
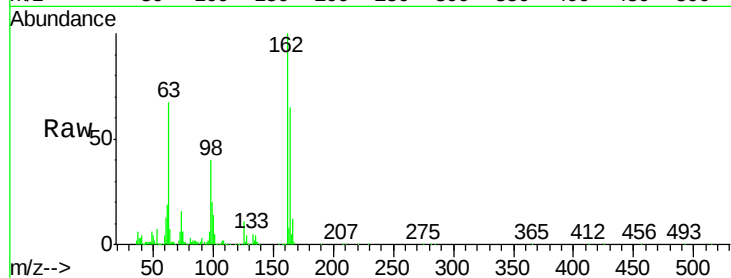




#29
 2,4-Dichlorophenol
 Concen: 41.15 ng
 RT: 10.63 min Scan# 1326
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

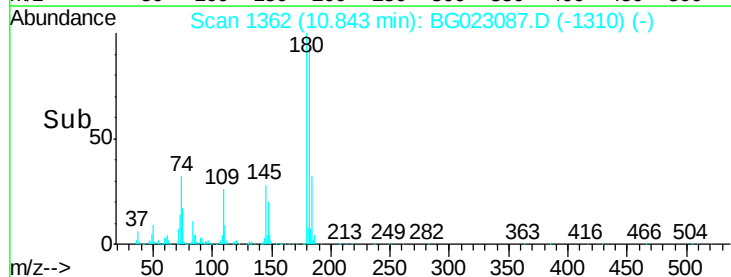
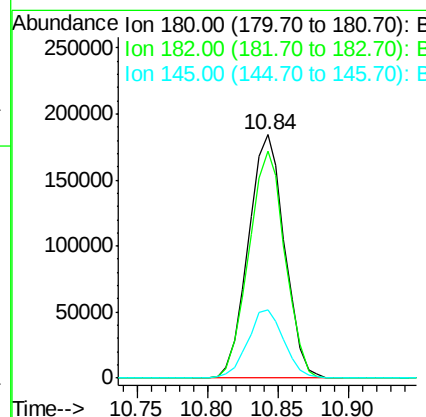
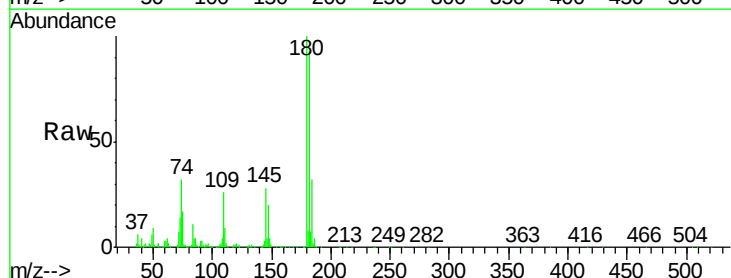
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

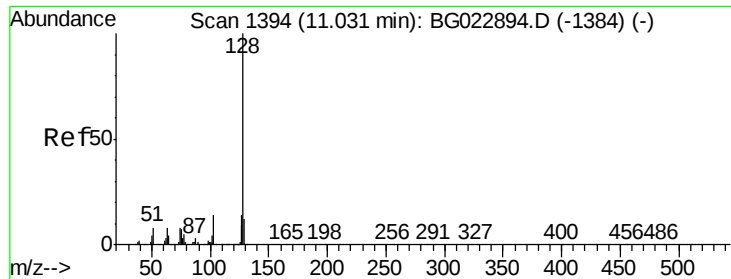
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.3	84.3
98	39.6	19.5	59.5



#30
 1,2,4-Trichlorobenzene
 Concen: 34.11 ng
 RT: 10.84 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	73.8	110.8
145	27.8	24.4	36.6

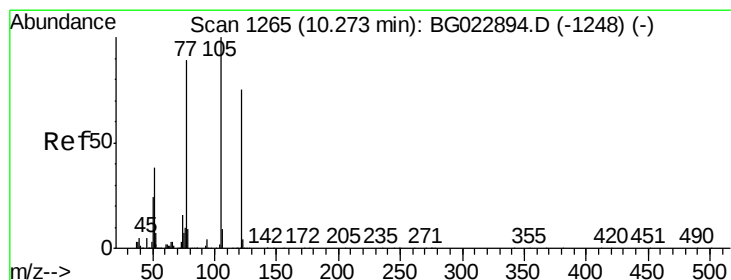
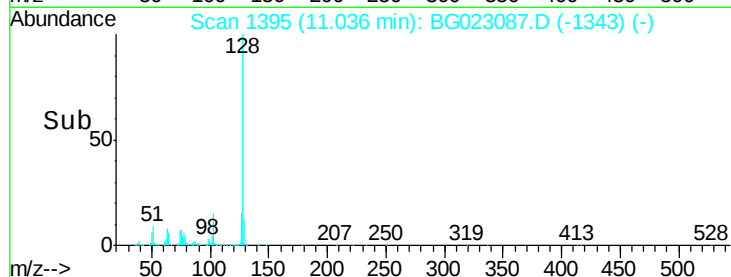
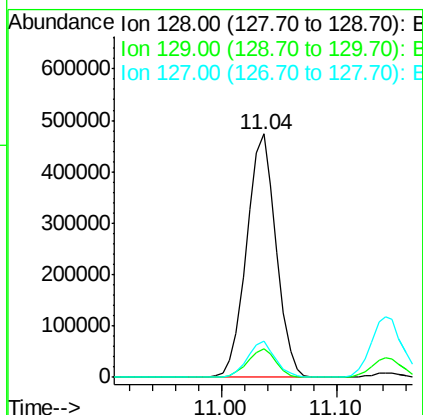
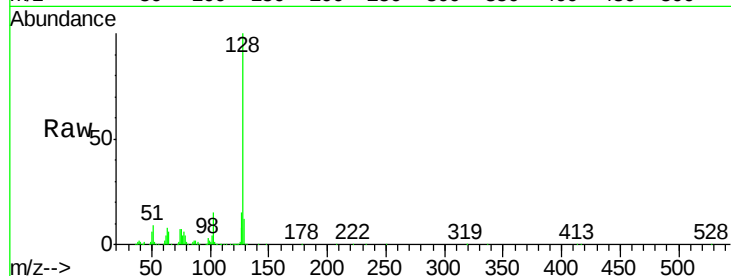




#31
Naphthalene
Concen: 34.95 ng
RT: 11.04 min Scan# 1395
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

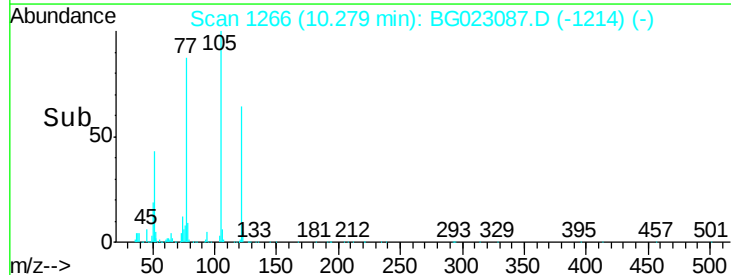
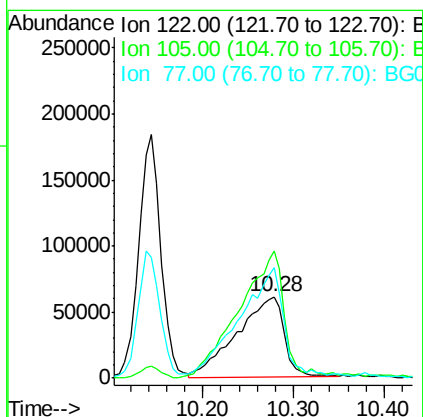
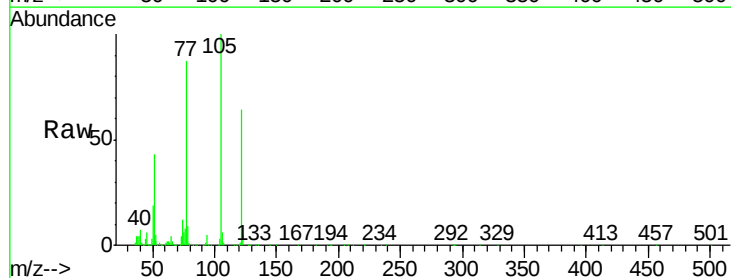
Instrument :
BNA_G
ClientSampleId :
PB92093BS

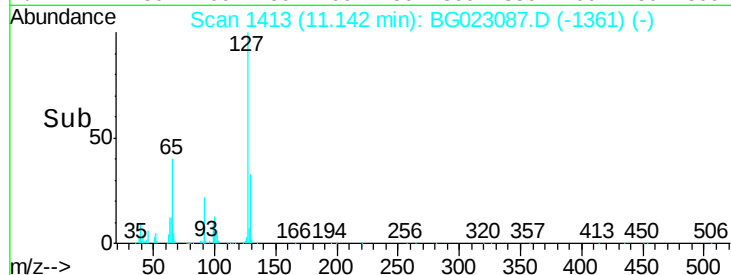
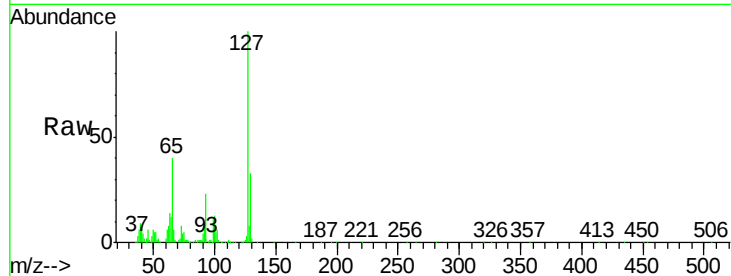
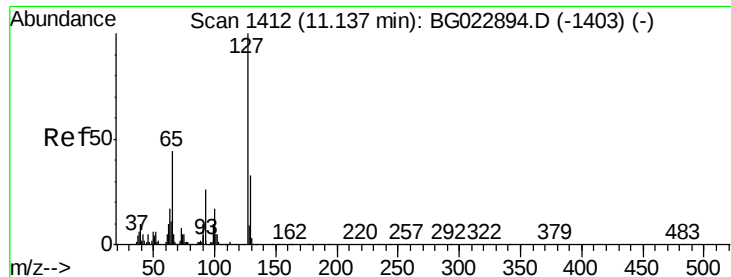
Tgt Ion:128 Resp: 838480
Ion Ratio Lower Upper
128 100
129 11.6 9.4 14.0
127 14.9 11.3 16.9



#32
Benzoic acid
Concen: 30.55 ng
RT: 10.28 min Scan# 1266
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion:122 Resp: 220457
Ion Ratio Lower Upper
122 100
105 155.4 117.2 157.2
77 135.3 109.2 149.2

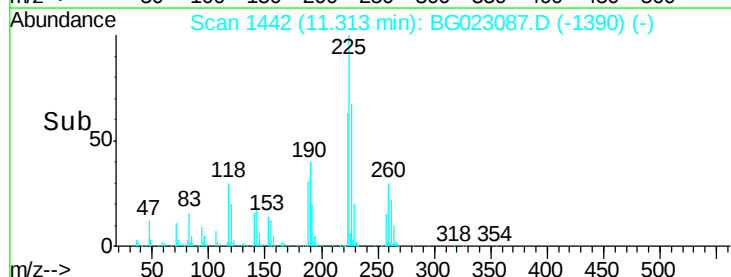
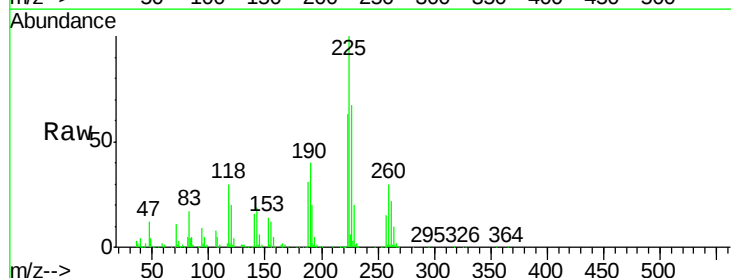
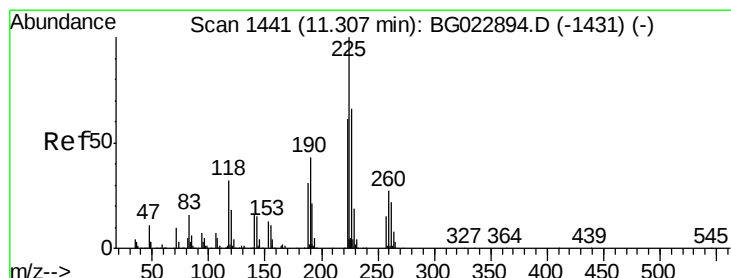
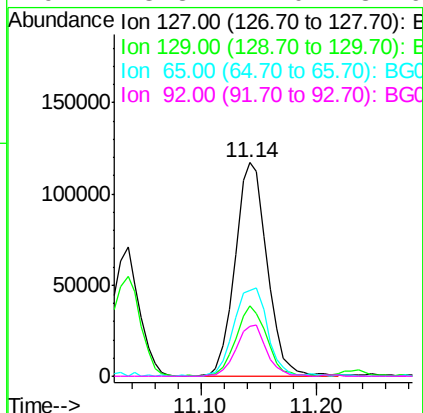




#33
4-Chloroaniline
Concen: 19.21 ng
RT: 11.14 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

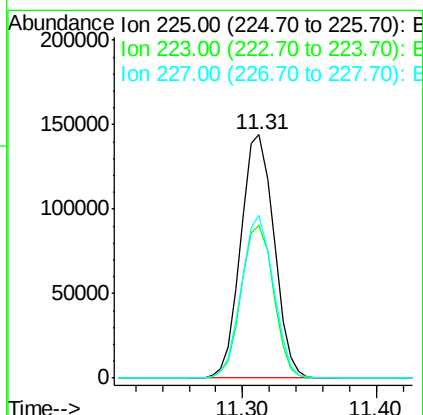
Instrument :
BNA_G
ClientSampleId :
PB92093BS

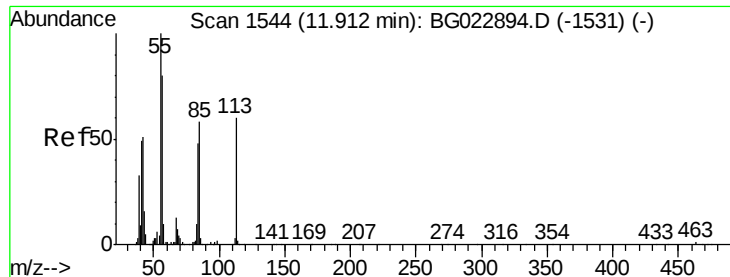
Tgt Ion:	127	Resp:	225374
Ion	Ratio	Lower	Upper
127	100		
129	32.7	27.9	41.9
65	40.2	36.8	55.2
92	23.3	21.0	31.6



#34
Hexachlorobutadiene
Concen: 31.65 ng
RT: 11.31 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion:	225	Resp:	248787
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.6	74.4
227	67.1	54.5	81.7





#35

Caprolactam

Concen: 26.73 ng

RT: 11.92 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

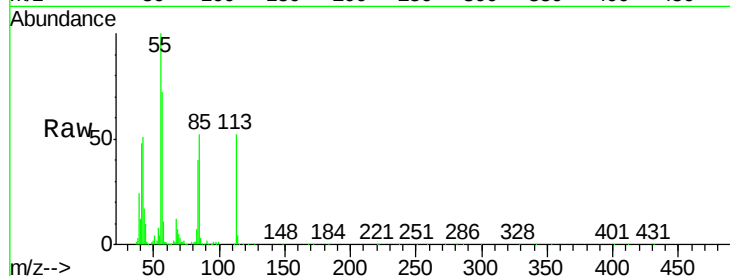
Tgt Ion:113 Resp: 93037

Ion Ratio Lower Upper

113 100

55 190.9 154.5 194.5

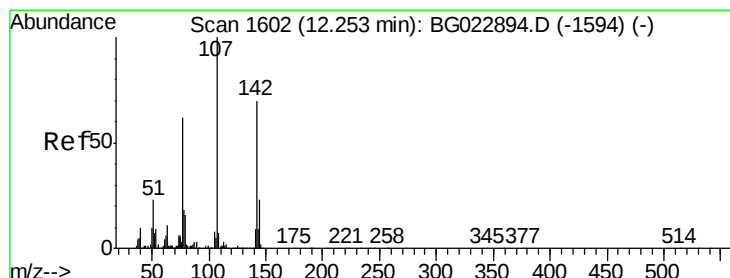
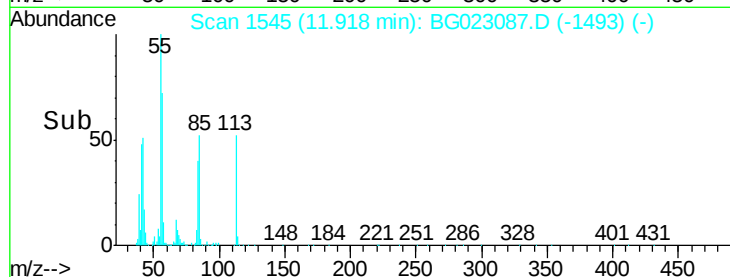
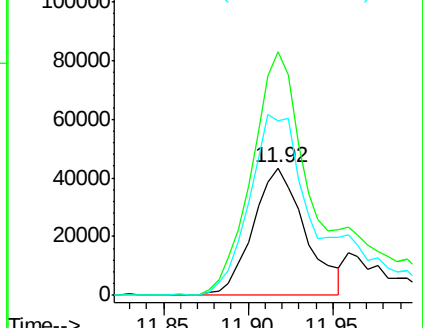
56 137.1 125.1 165.1



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: 39.05 ng

RT: 12.26 min Scan# 1604

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

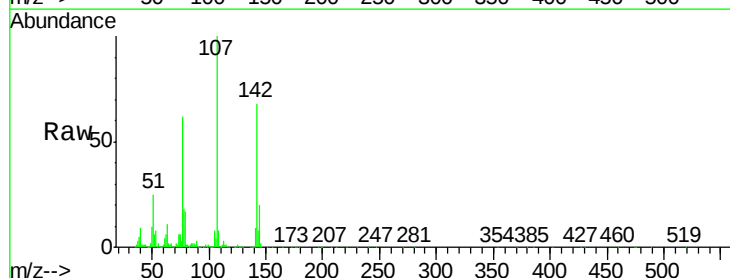
Tgt Ion:107 Resp: 451927

Ion Ratio Lower Upper

107 100

144 20.3 17.0 25.6

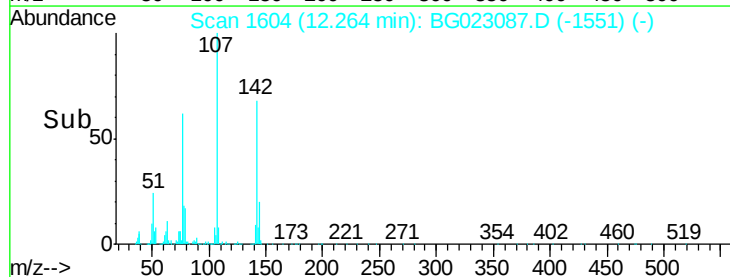
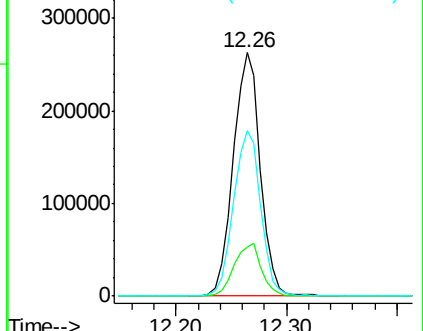
142 68.0 53.0 79.6

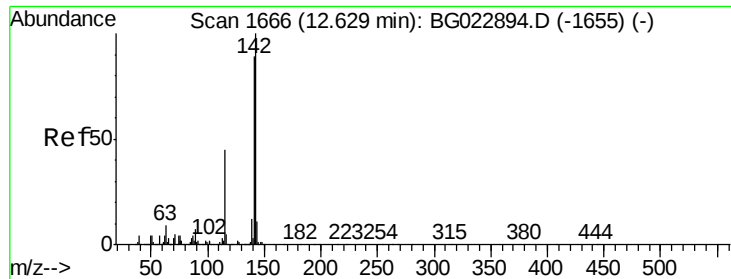


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

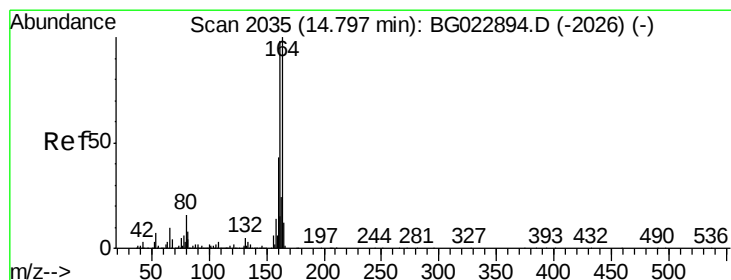
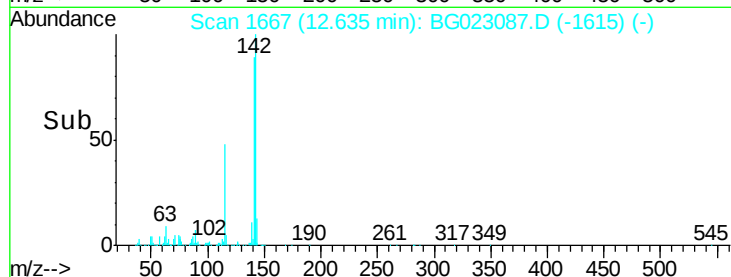
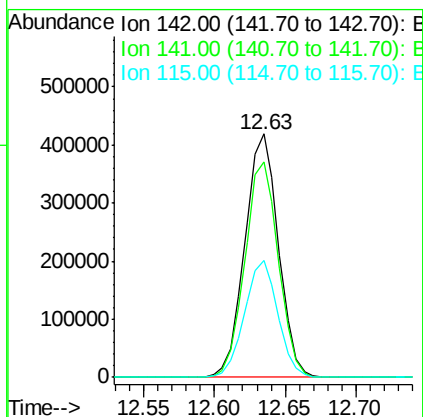
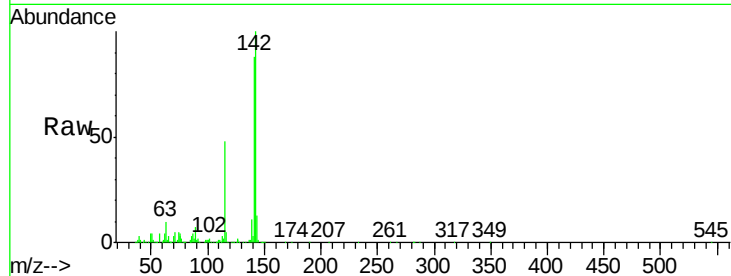




#37
 2-Methylnaphthalene
 Concen: 36.77 ng
 RT: 12.63 min Scan# 1667
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

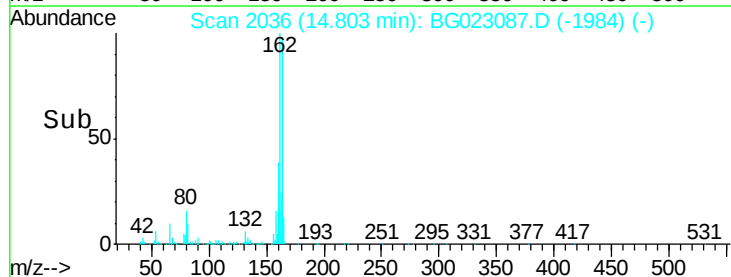
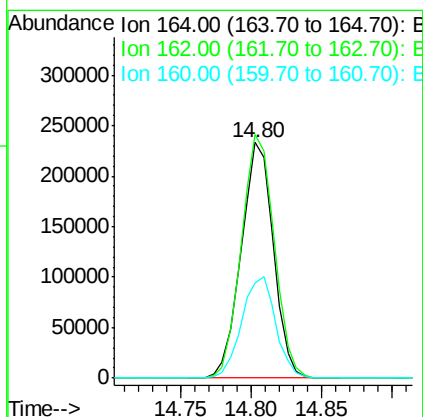
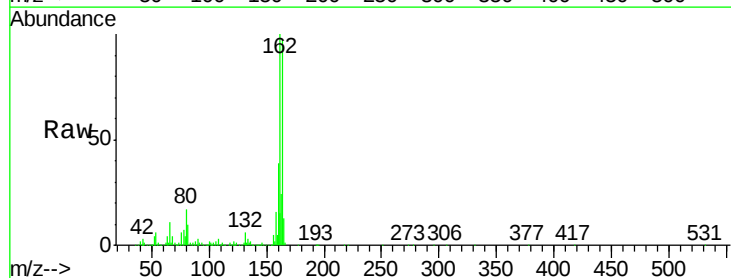
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

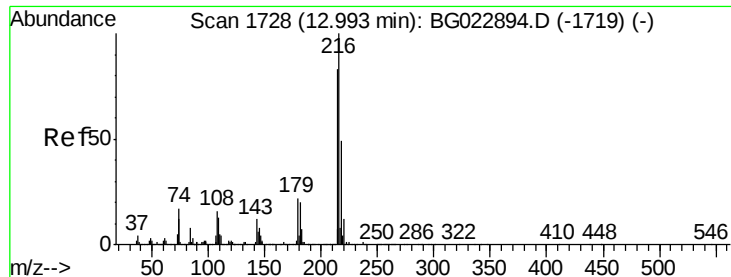
Tgt Ion:142 Resp: 697158
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.2 105.2
 115 48.0 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion:164 Resp: 372078
 Ion Ratio Lower Upper
 164 100
 162 103.3 87.7 131.5
 160 40.2 37.2 55.8

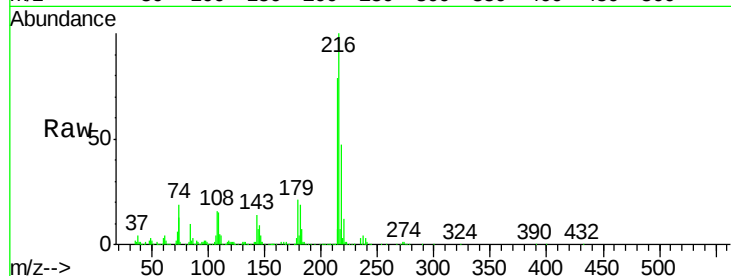




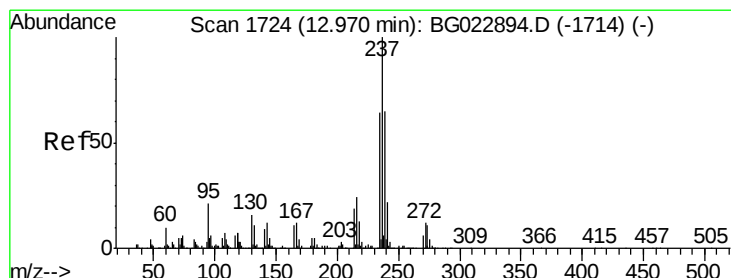
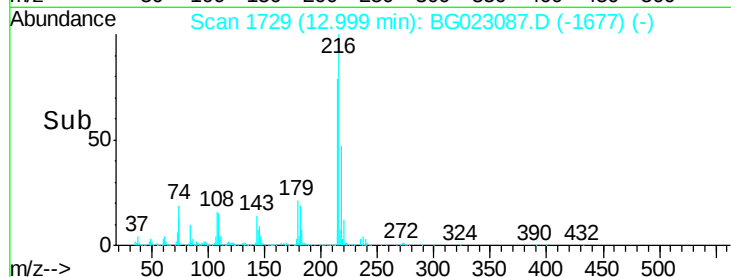
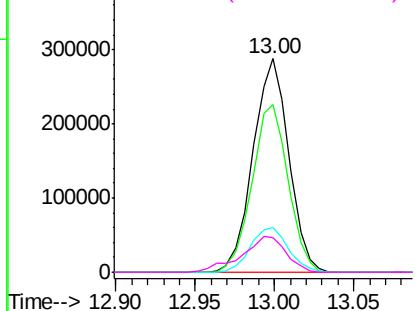
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 28.19 ng
 RT: 13.00 min Scan# 1729
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

Tgt Ion:	216	Resp:	452031
Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.9	94.3
179	22.2	17.2	25.8
108	20.6	16.3	24.5

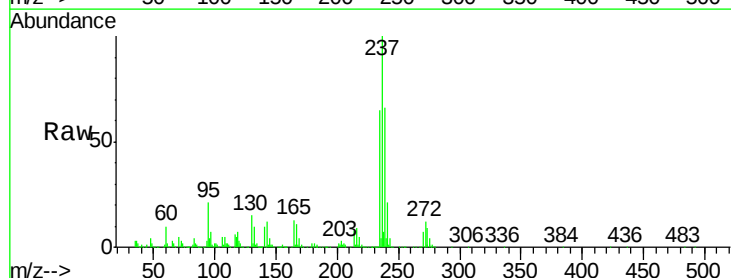


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

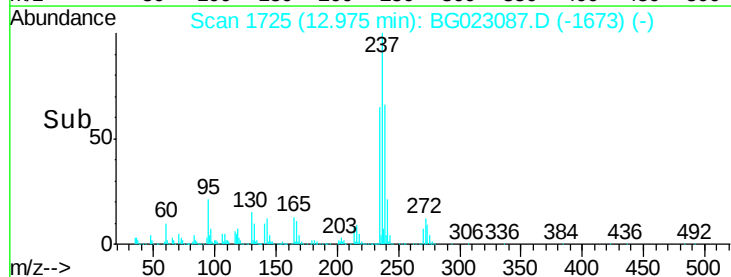
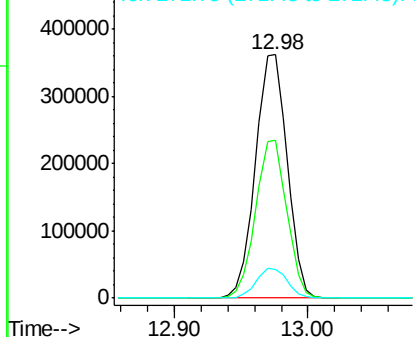


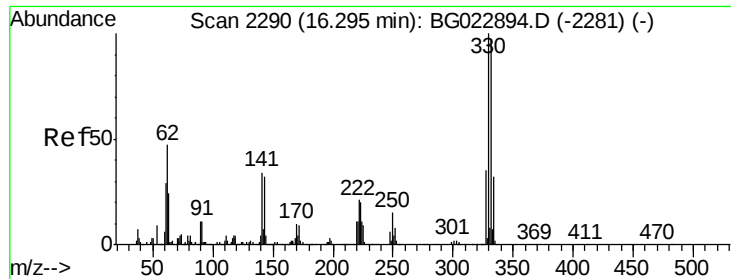
#40
 Hexachlorocyclopentadiene
 Concen: 64.32 ng
 RT: 12.98 min Scan# 1725
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion:	237	Resp:	593683
Ion	Ratio	Lower	Upper
237	100		
235	64.6	43.1	83.1
272	12.0	0.0	30.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

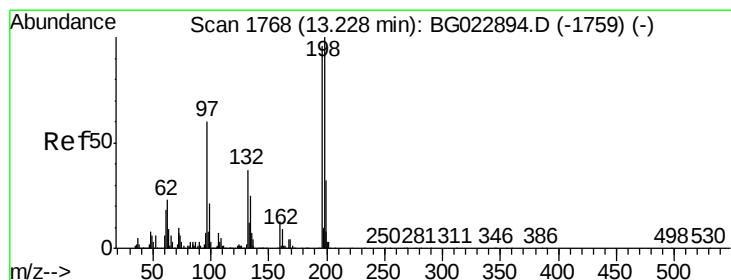
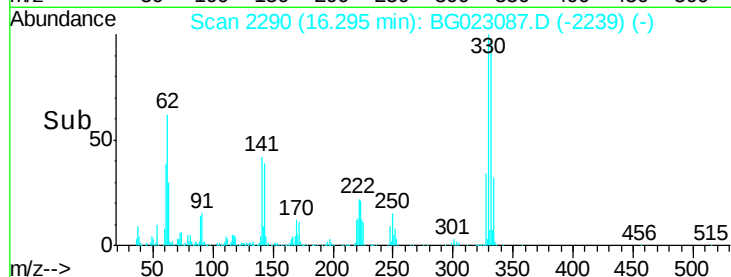
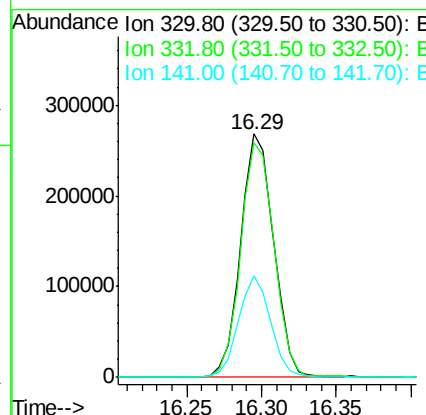
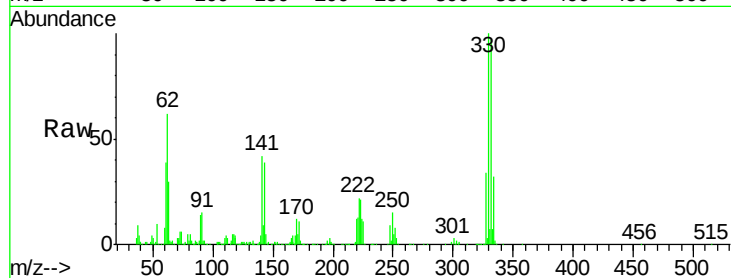




#41
 2,4,6-Tribromophenol
 Concen: 61.68 ng
 RT: 16.29 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

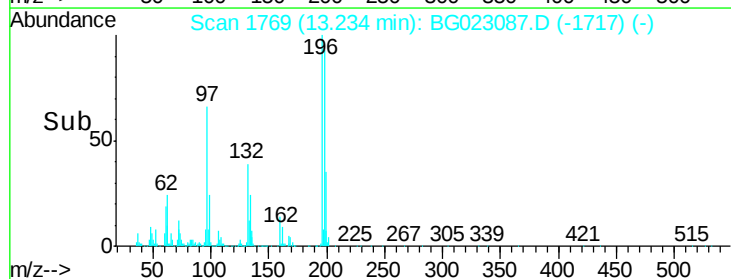
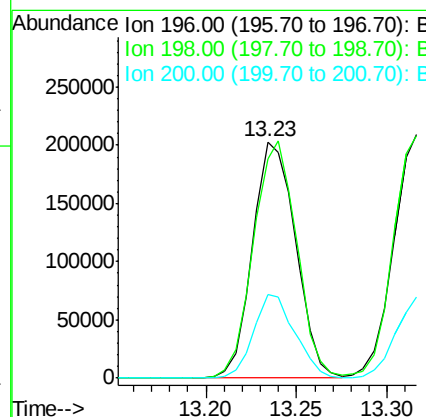
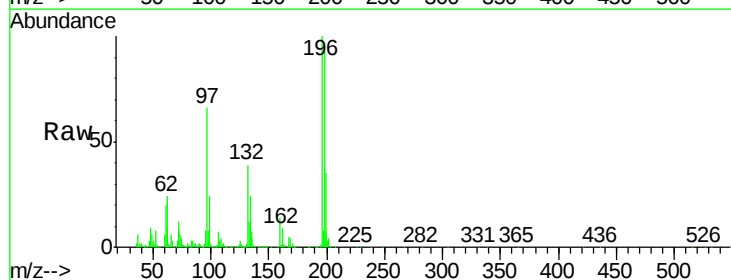
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

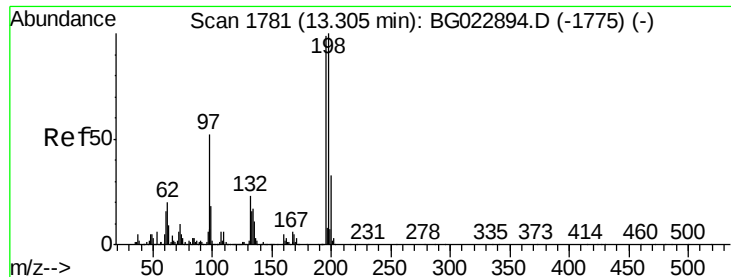
Tgt Ion:330 Resp: 412480
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 40.7 31.7 47.5



#42
 2,4,6-Trichlorophenol
 Concen: 36.42 ng
 RT: 13.23 min Scan# 1769
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion:196 Resp: 335681
 Ion Ratio Lower Upper
 196 100
 198 92.9 78.2 117.2
 200 35.3 27.0 40.4

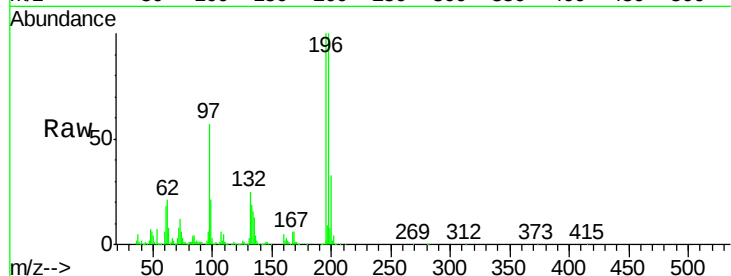




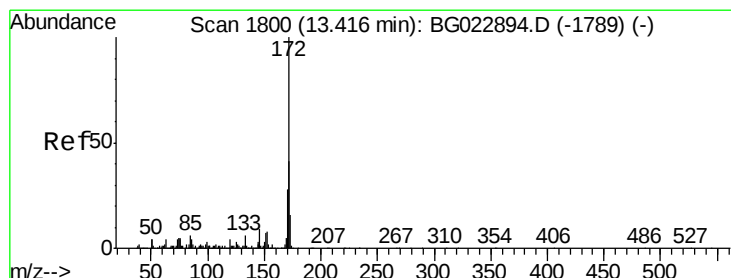
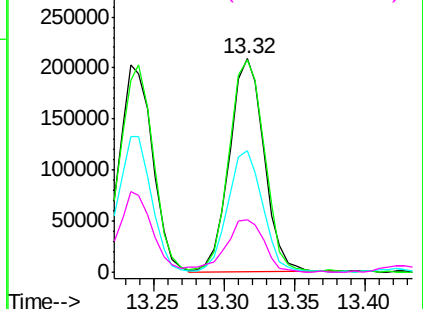
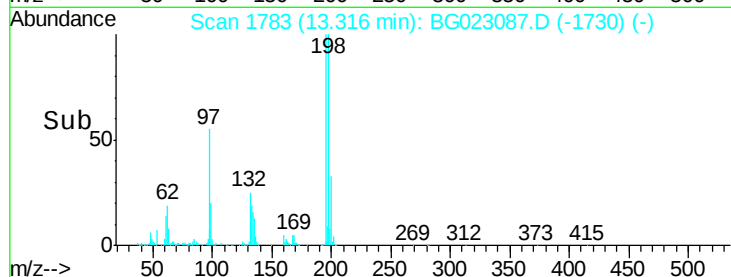
#43
2,4,5-Trichlorophenol
Concen: 37.62 ng
RT: 13.32 min Scan# 1783
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Instrument :
BNA_G
ClientSampleId :
PB92093BS

Tgt Ion:196 Resp: 356048
Ion Ratio Lower Upper
196 100
198 99.6 85.7 128.5
97 56.7 45.5 68.3
132 24.8 18.9 28.3

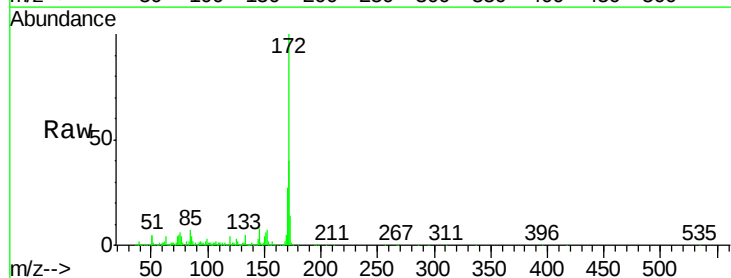


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BGC
Ion 132.00 (131.70 to 132.70): E

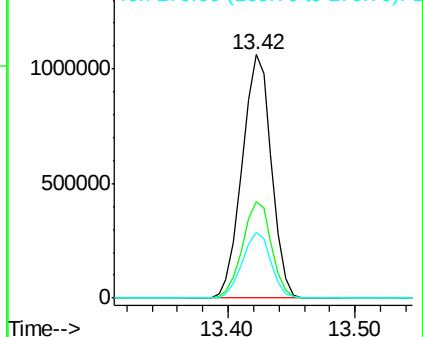
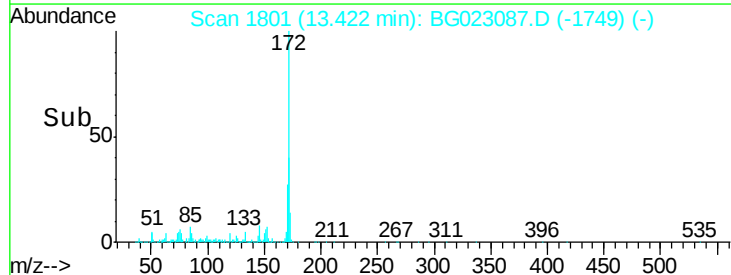


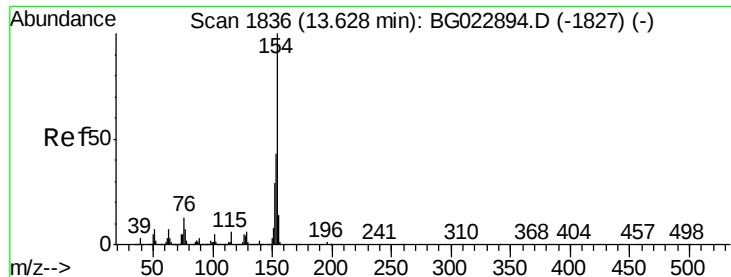
#44
2-Fluorobiphenyl
Concen: 71.85 ng
RT: 13.42 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion:172 Resp: 1697146
Ion Ratio Lower Upper
172 100
171 39.7 31.6 47.4
170 26.9 21.3 31.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

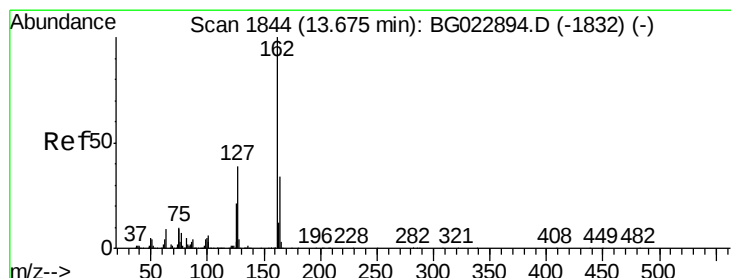
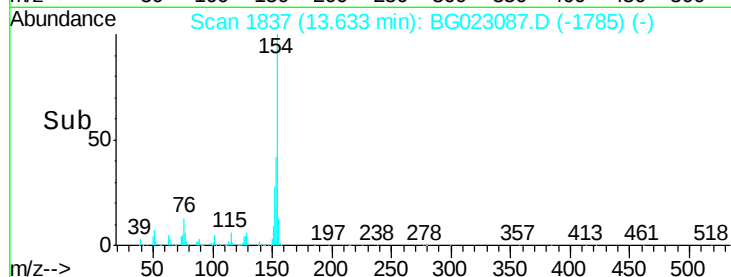
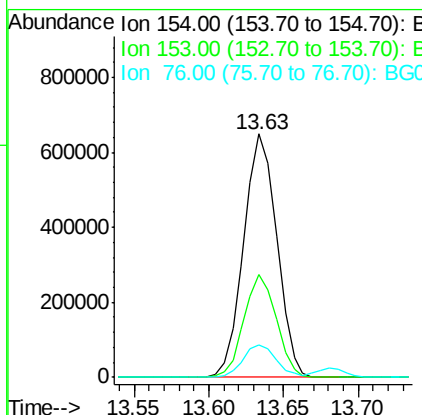
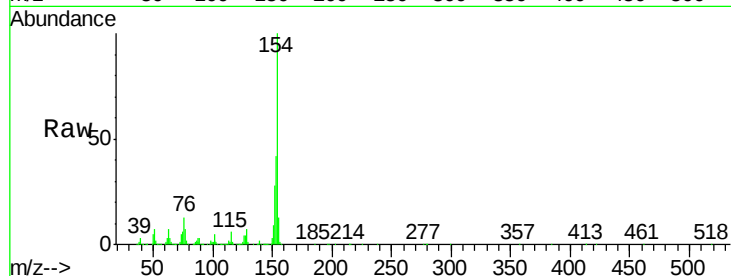




#45
 1,1'-Biphenyl
 Concen: 35.76 ng
 RT: 13.63 min Scan# 1837
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

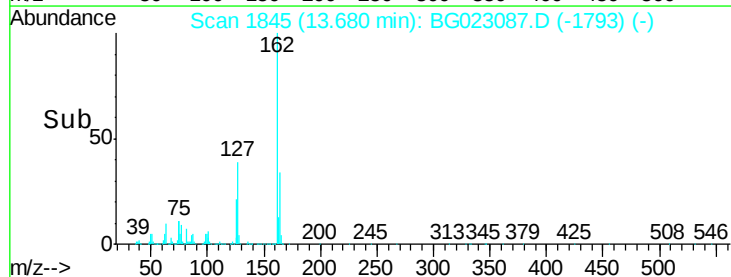
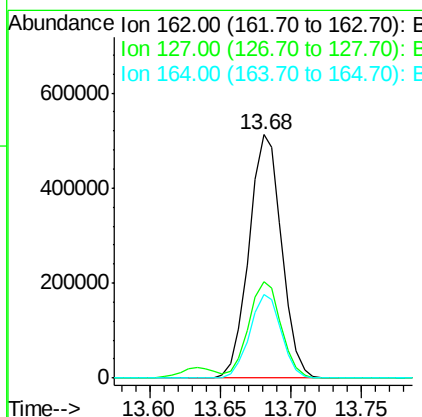
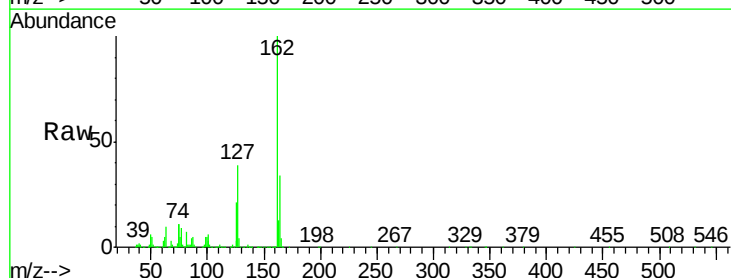
Instrument :
 BNA_G
 ClientSampleId :
 PB92093BS

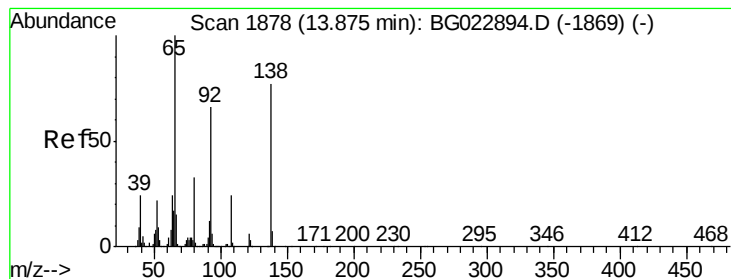
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	20.2	60.2
76	13.4	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 36.67 ng
 RT: 13.68 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BG023087.D
 Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.4	48.6
164	34.4	25.2	37.8





#47

2-Nitroaniline

Concen: 37.51 ng

RT: 13.89 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

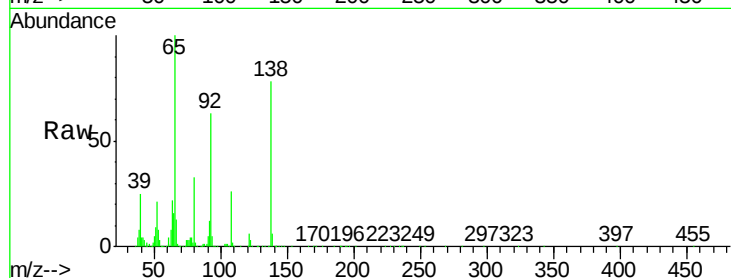
Tgt Ion: 65 Resp: 362447

Ion Ratio Lower Upper

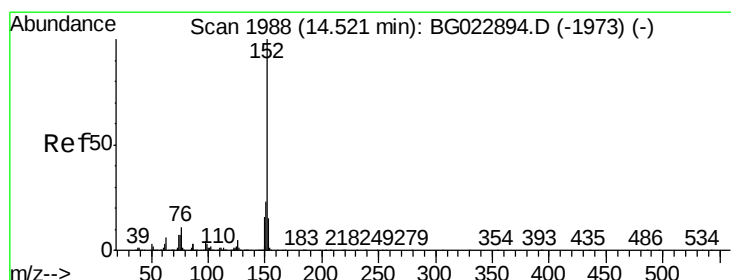
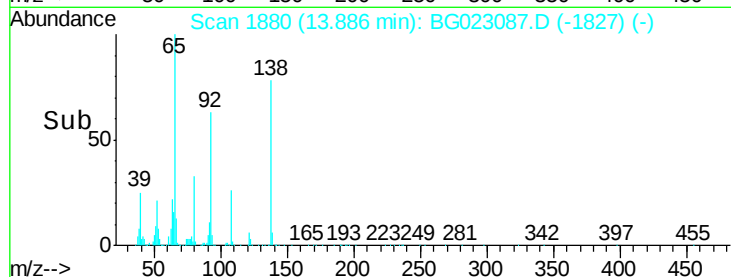
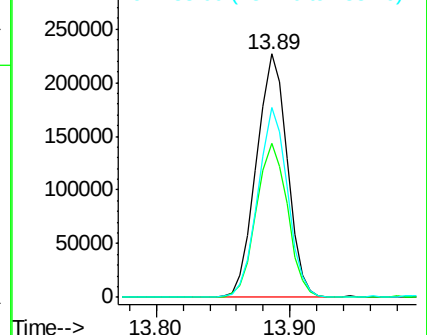
65 100

92 63.4 49.4 74.0

138 78.2 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: 37.06 ng

RT: 14.53 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

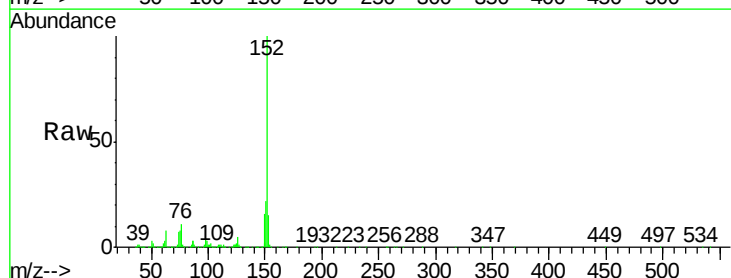
Tgt Ion: 152 Resp: 1258990

Ion Ratio Lower Upper

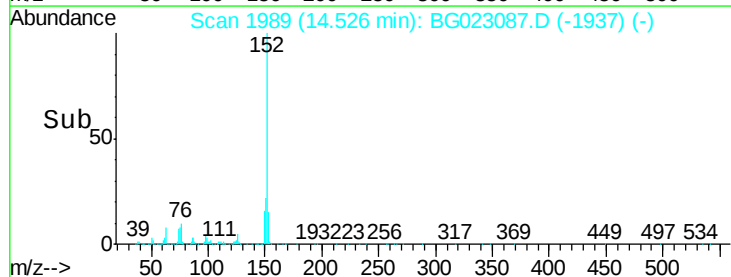
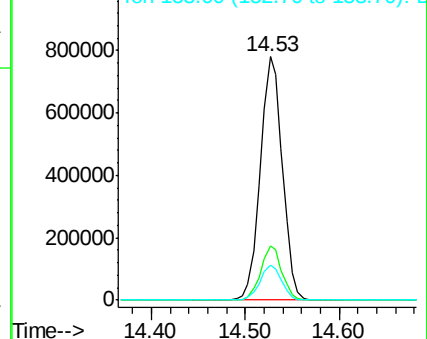
152 100

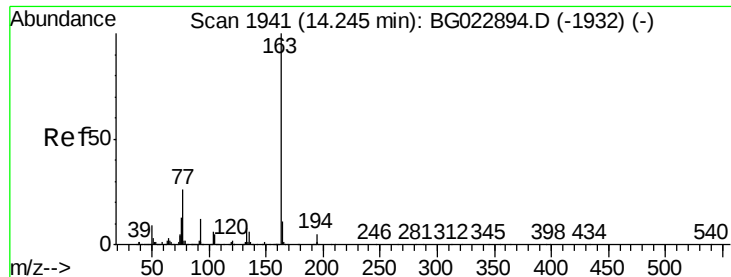
151 22.3 17.6 26.4

153 14.6 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: 37.13 ng

RT: 14.25 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

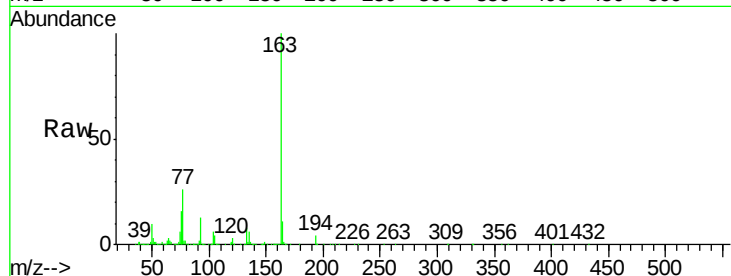
Tgt Ion:163 Resp: 1128544

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

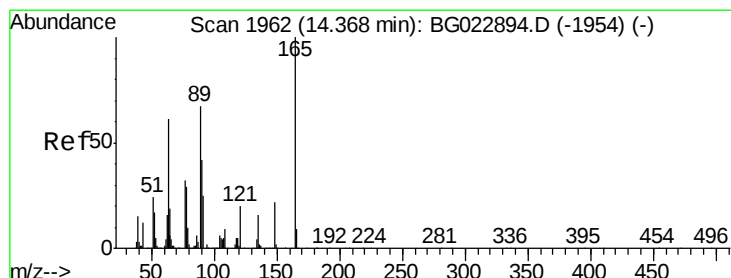
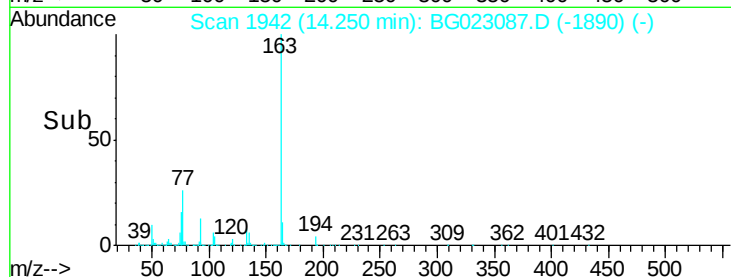
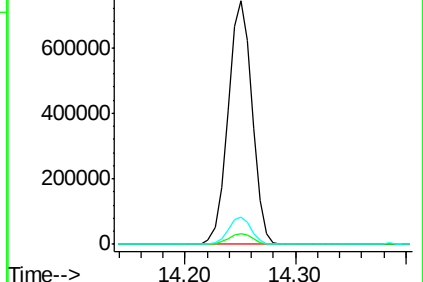
164 11.0 8.1 12.1



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: 37.51 ng

RT: 14.38 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

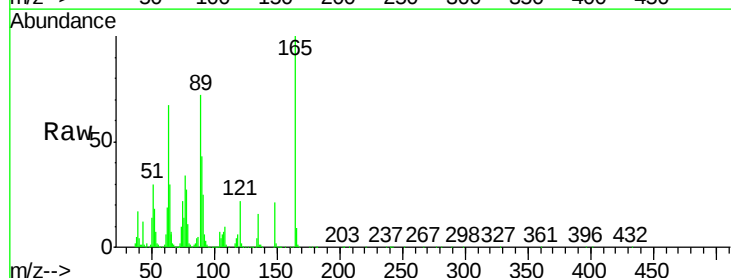
Tgt Ion:165 Resp: 256200

Ion Ratio Lower Upper

165 100

63 67.0 64.3 96.5

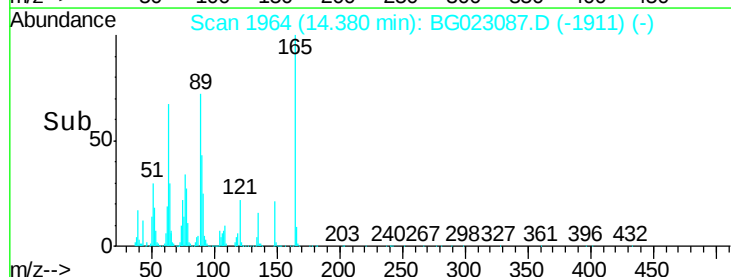
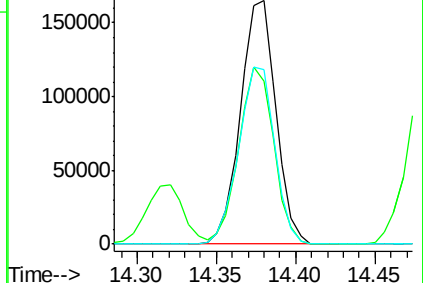
89 71.6 64.3 96.5

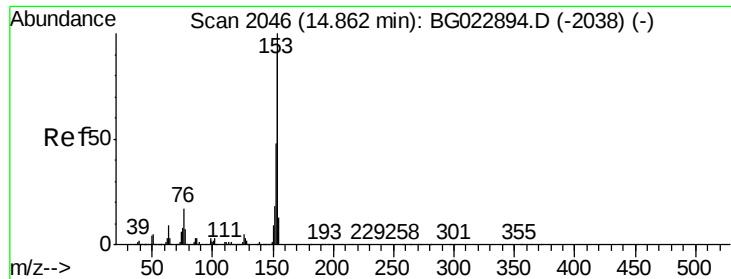


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 36.78 ng

RT: 14.87 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

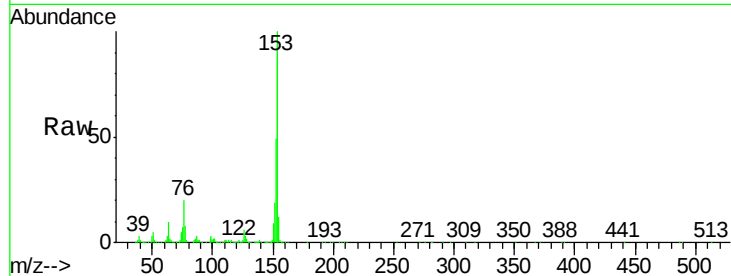
Tgt Ion:154 Resp: 816379

Ion Ratio Lower Upper

154 100

153 108.1 87.5 131.3

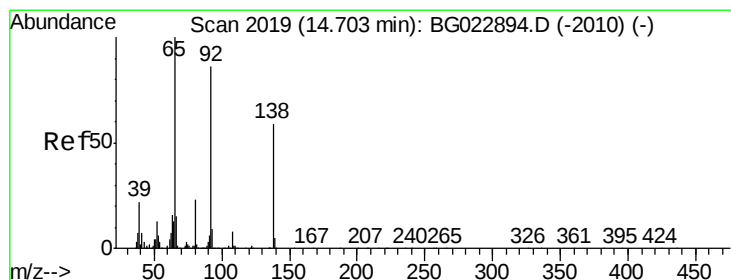
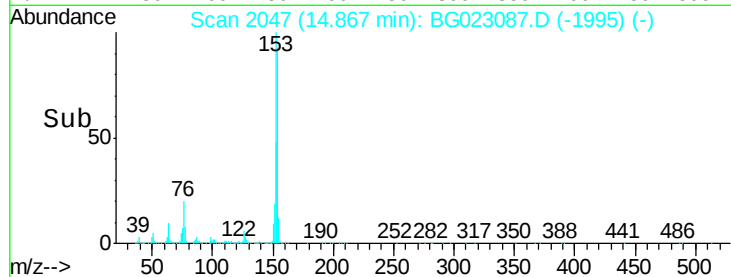
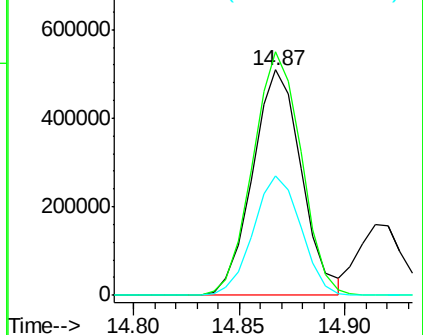
152 53.2 42.7 64.1



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: 25.11 ng

RT: 14.71 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

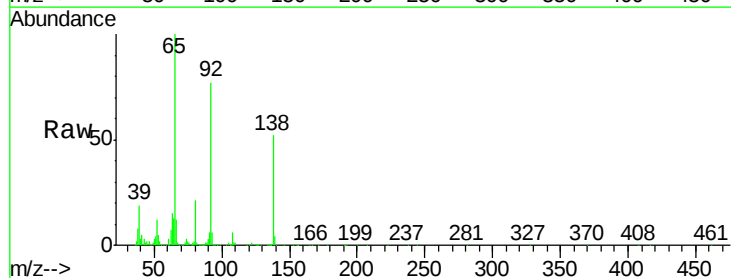
Tgt Ion:138 Resp: 171057

Ion Ratio Lower Upper

138 100

108 12.0 11.7 17.5

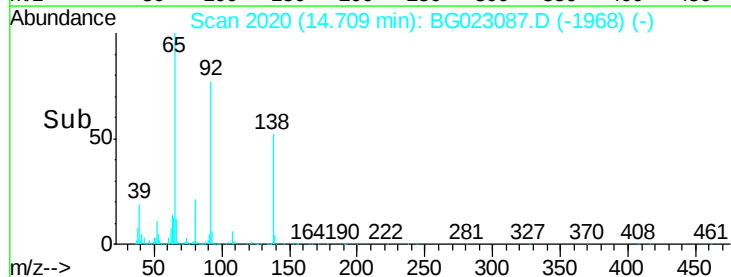
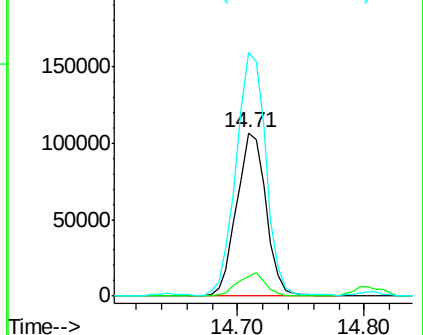
92 149.1 129.7 194.5

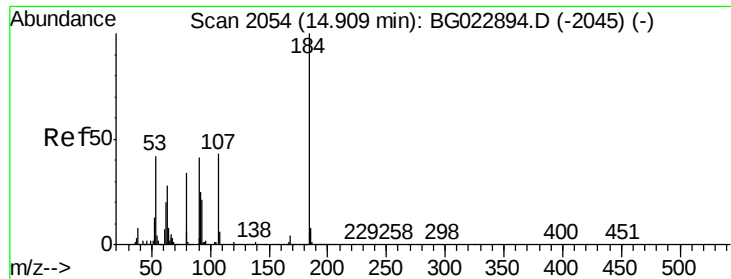


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#53

2,4-Dinitrophenol

Concen: 68.22 ng

RT: 14.91 min Scan# 2055

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

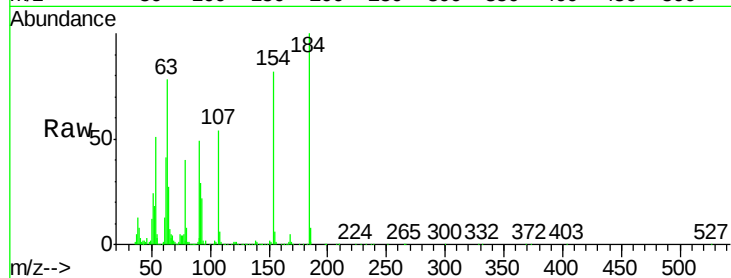
Tgt Ion:184 Resp: 319749

Ion Ratio Lower Upper

184 100

63 78.1 59.6 89.4

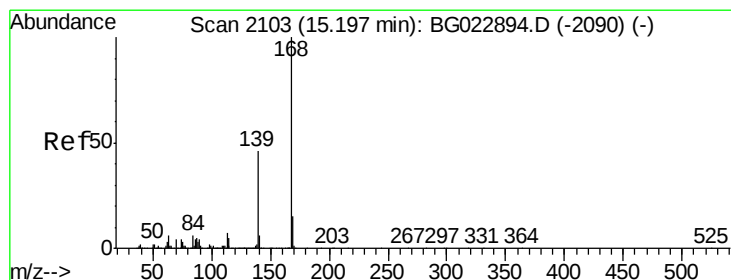
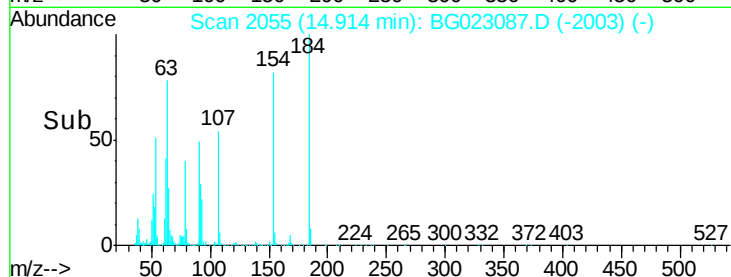
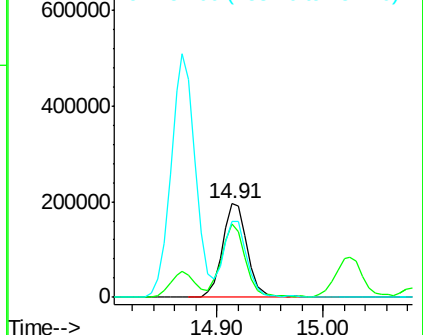
154 82.1 67.4 101.0



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: 39.99 ng

RT: 15.20 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

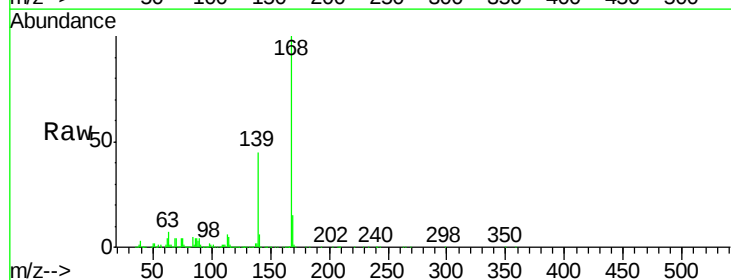
Tgt Ion:168 Resp: 1328941

Ion Ratio Lower Upper

168 100

139 44.9 36.4 54.6

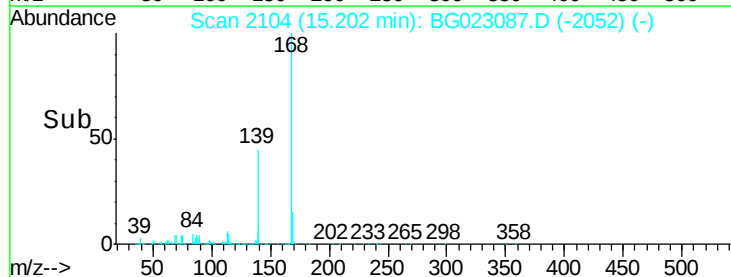
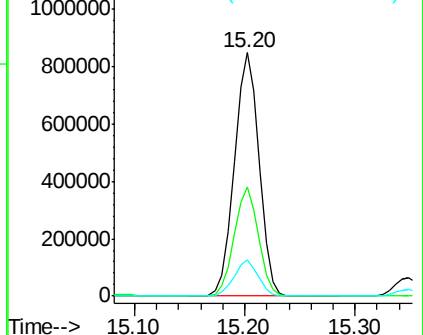
169 14.9 11.9 17.9

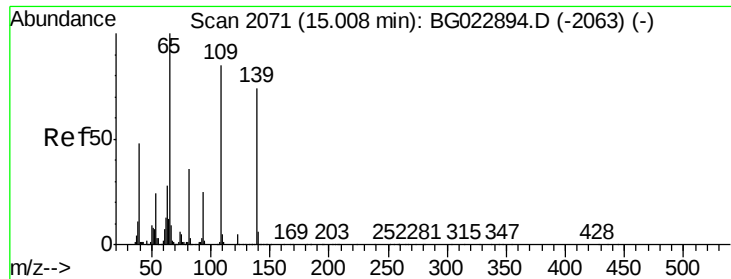


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

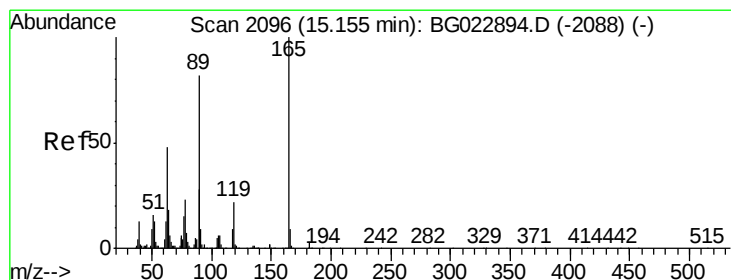
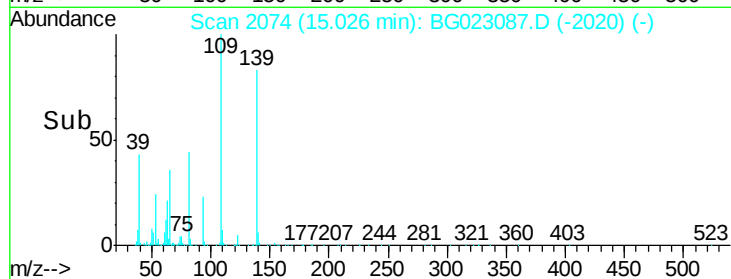
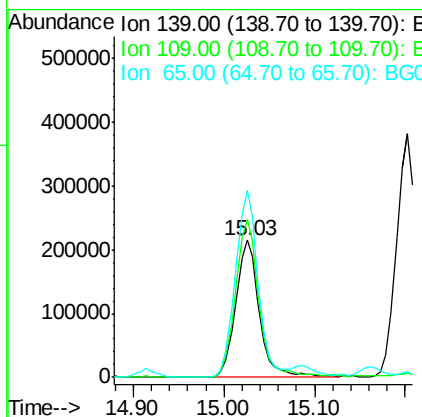
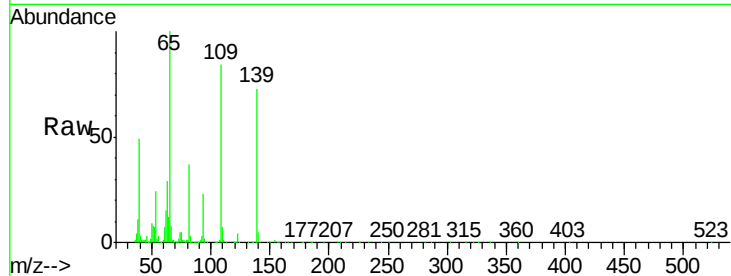




#55
4-Nitrophenol
Concen: 68.64 ng
RT: 15.03 min Scan# 2074
Delta R.T. 0.02 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

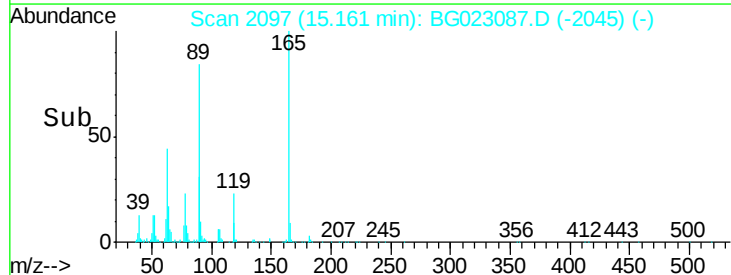
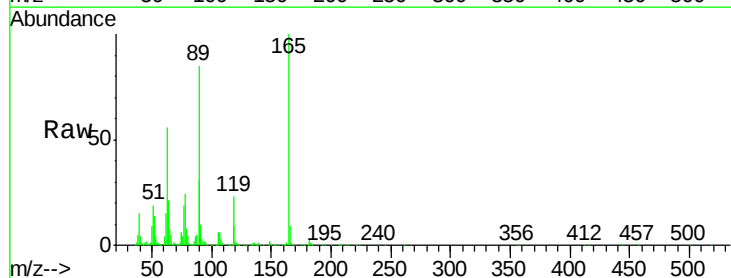
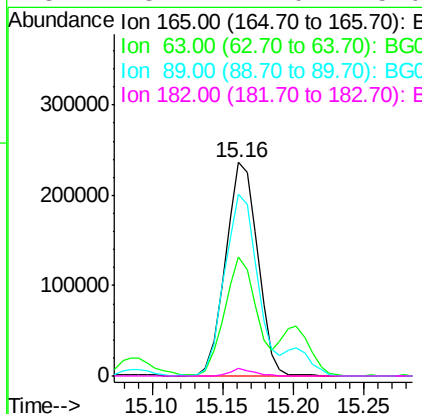
Instrument :
BNA_G
ClientSampleId :
PB92093BS

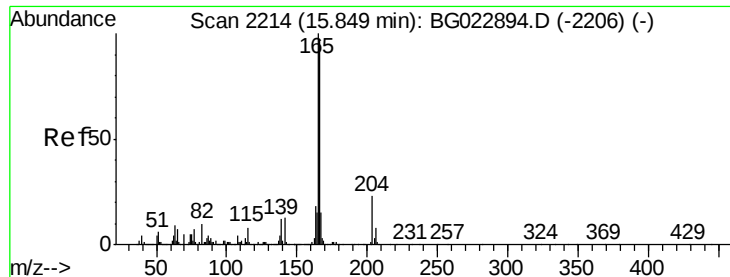
Tgt Ion	Ratio	Lower	Upper
139	100		
109	115.4	103.0	143.0
65	136.8	112.7	152.7



#56
2,4-Dinitrotoluene
Concen: 37.55 ng
RT: 15.16 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.0	45.8	68.6
89	84.9	68.6	102.8
182	3.4	2.0	3.0#





#57

Fluorene

Concen: 37.32 ng

RT: 15.85 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Instrument :

BNA_G

ClientSampleId :

PB92093BS

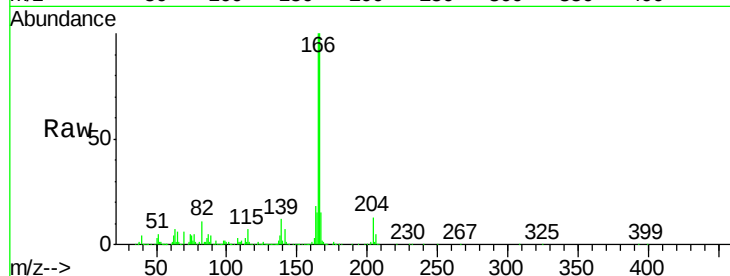
Tgt Ion:166 Resp: 1067298

Ion Ratio Lower Upper

166 100

165 99.6 81.0 121.6

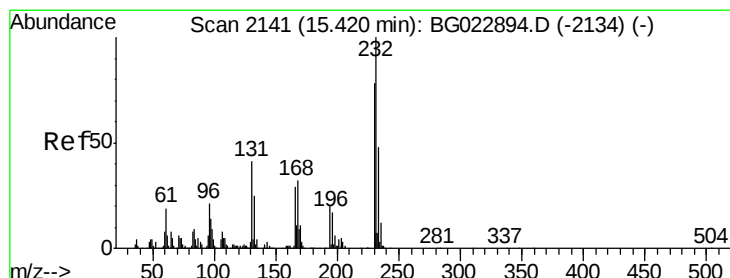
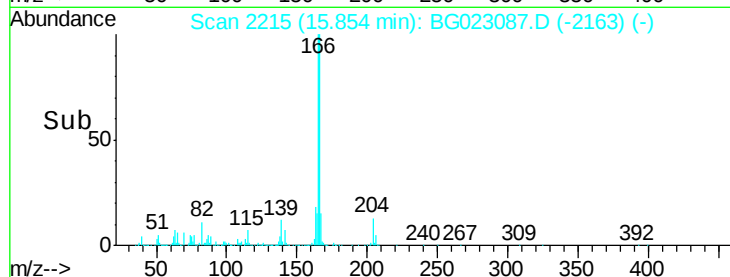
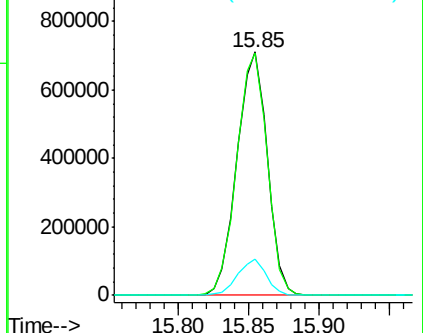
167 15.1 12.0 18.0



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: 38.53 ng

RT: 15.43 min Scan# 2143

Delta R.T. 0.01 min

Lab File: BG023087.D

Acq: 14 Jul 2016 3:52

Tgt Ion:232 Resp: 364850

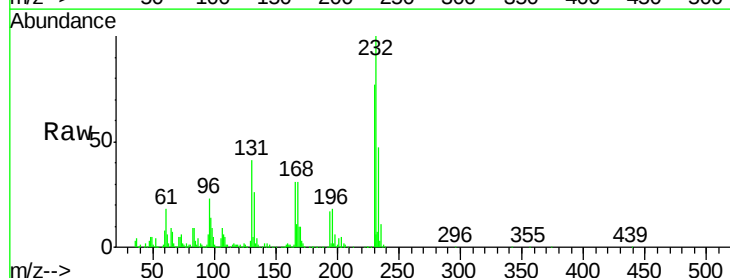
Ion Ratio Lower Upper

232 100

131 41.7 32.7 49.1

130 2.6 2.6 3.8

166 30.1 23.0 34.6

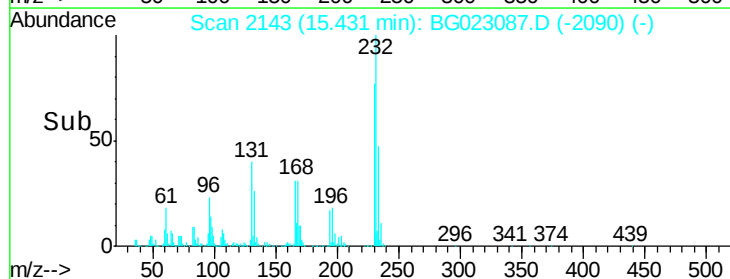
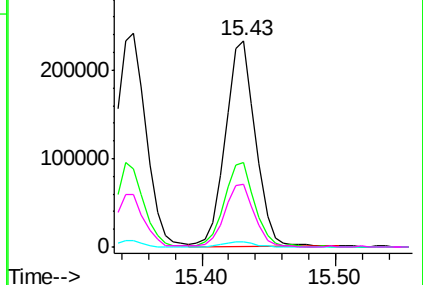


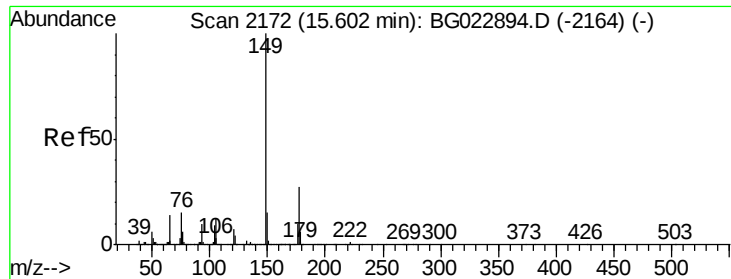
Abundance Ion 232.00 (231.70 to 232.70): E

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

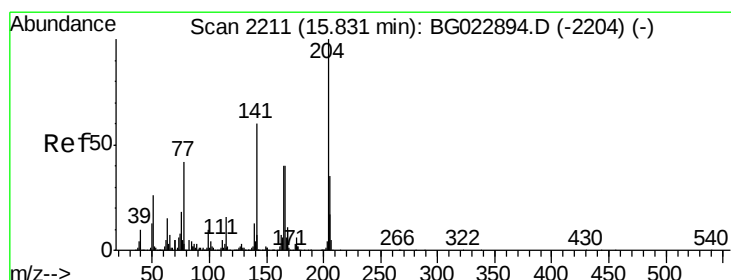
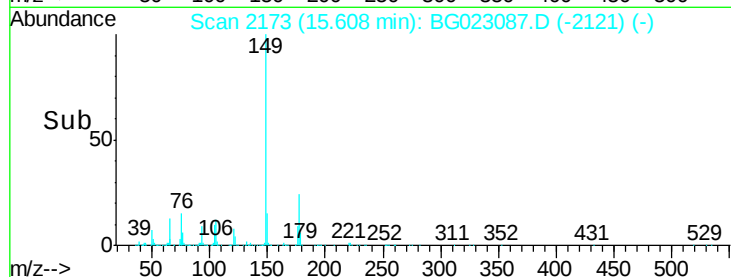
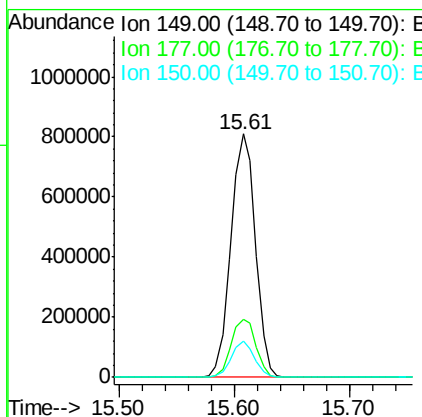
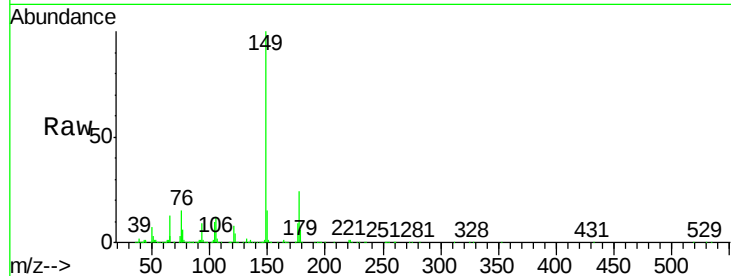




#59
Diethylphthalate
Concen: 38.34 ng
RT: 15.61 min Scan# 2173
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

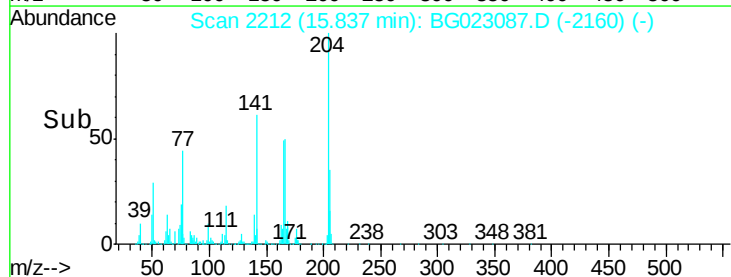
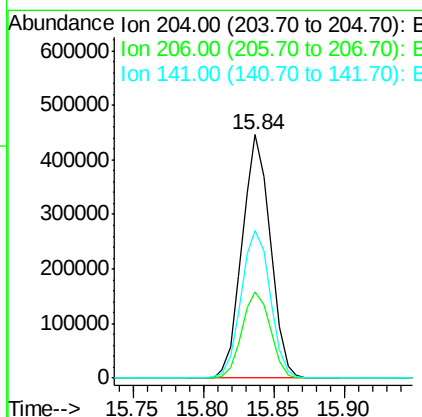
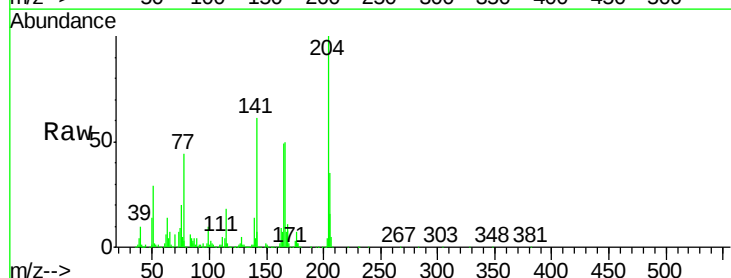
Instrument :
BNA_G
ClientSampleId :
PB92093BS

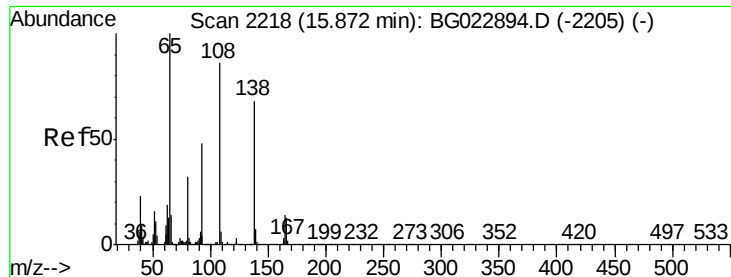
Tgt Ion:149 Resp: 1185682
Ion Ratio Lower Upper
149 100
177 24.0 19.2 28.8
150 14.6 10.6 16.0



#60
4-Chlorophenyl-phenylether
Concen: 35.84 ng
RT: 15.84 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion:204 Resp: 624301
Ion Ratio Lower Upper
204 100
206 35.4 28.5 42.7
141 60.5 51.4 77.0

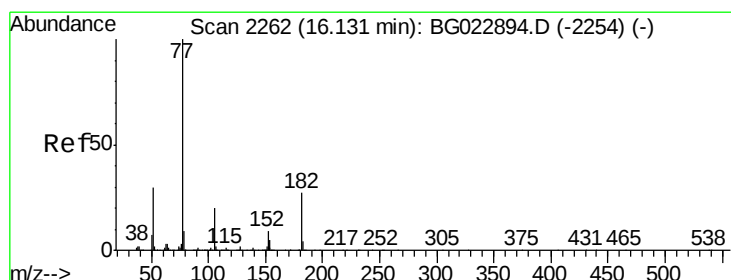
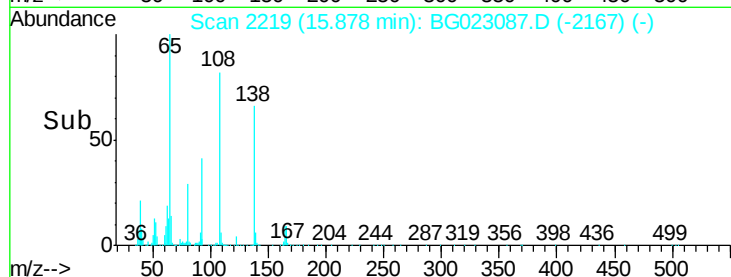
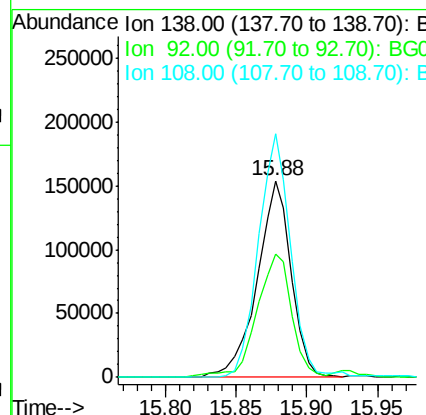
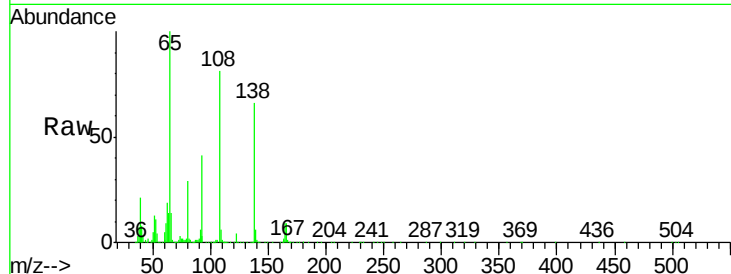




#61
4-Nitroaniline
Concen: 35.13 ng
RT: 15.88 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Instrument :
BNA_G
ClientSampleId :
PB92093BS

Tgt Ion: 138 Resp: 258907
Ion Ratio Lower Upper
138 100
92 63.0 54.1 94.1
108 124.1 133.9 173.9#



#62
Azobenzene
Concen: 43.98 ng
RT: 16.13 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BG023087.D
Acq: 14 Jul 2016 3:52

Tgt Ion: 77 Resp: 1301005
Ion Ratio Lower Upper
77 100
182 23.3 3.5 43.5
105 19.8 0.0 38.5
51 30.5 17.1 57.1

