

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060716\
 Data File : BG022211.D
 Acq On : 7 Jun 2016 19:27
 Operator : UM/SJ
 Sample : PB91119BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

Quant Time: Jun 08 03:11:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	25785	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	127029	20.00	ng	0.00
38) Acenaphthene-d10	14.75	164	81901	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	195459	20.00	ng	0.00
75) Chrysene-d12	21.77	240	184624	20.00	ng	0.00
86) Perylene-d12	25.06	264	176622	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.67	112	198424	148.79	ng	0.00
7) Phenol-d6	7.28	99	299661	142.91	ng	0.00
23) Nitrobenzene-d5	9.29	82	152567	83.73	ng	0.00
41) 2,4,6-Tribromophenol	16.23	330	125644	135.77	ng	0.00
44) 2-Fluorobiphenyl	13.37	172	444344	82.68	ng	0.00
78) Terphenyl-d14	20.08	244	674064	86.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	18688	29.22	ng	# 82
3) Pyridine	3.92	79	55048	31.86	ng	97
4) n-Nitrosodimethylamine	3.84	42	15378	39.80	ng	90
6) Aniline	7.44	93	72833	27.34	ng	# 81
8) 2-Chlorophenol	7.68	128	82322	44.66	ng	# 79
9) Benzaldehyde	7.27	77	2317	2.01	ng	89
10) Phenol	7.30	94	99364	45.96	ng	82
11) bis(2-Chloroethyl)ether	7.53	93	67585	39.21	ng	# 74
12) 1,3-Dichlorobenzene	8.00	146	72953	36.92	ng	# 91
13) 1,4-Dichlorobenzene	8.15	146	75458	38.33	ng	92
14) 1,2-Dichlorobenzene	8.47	146	74426	37.50	ng	96
15) Benzyl Alcohol	8.35	79	52340	38.63	ng	# 89
16) 2,2'-oxybis(1-Chloropropan	8.65	45	67937	37.99	ng	82
17) 2-Methylphenol	8.57	107	69378	43.01	ng	# 86
18) Hexachloroethane	9.20	117	26930	37.46	ng	84
19) n-Nitroso-di-n-propylamine	8.92	70	53184	37.47	ng	# 67
20) 3+4-Methylphenols	8.90	107	98058	42.38	ng	97
22) Acetophenone	8.95	105	109138	39.87	ng	# 81
24) Nitrobenzene	9.33	77	77093	42.08	ng	# 81
25) Isophorone	9.85	82	164455	38.58	ng	# 93
26) 2-Nitrophenol	10.05	139	41798	42.07	ng	# 72
27) 2,4-Dimethylphenol	10.10	122	84746	47.13	ng	85
28) bis(2-Chloroethoxy)methane	10.33	93	100287	41.06	ng	92
29) 2,4-Dichlorophenol	10.59	162	79294	47.60	ng	95
30) 1,2,4-Trichlorobenzene	10.80	180	74968	40.27	ng	95
31) Naphthalene	10.99	128	255941	40.37	ng	# 95
32) Benzoic acid	10.23	122	25622	43.55	ng	# 76
33) 4-Chloroaniline	11.10	127	49383	18.73	ng	# 86
34) Hexachlorobutadiene	11.26	225	39264	39.29	ng	95
35) Caprolactam	11.87	113	16378	17.92	ng	# 41
36) 4-Chloro-3-methylphenol	12.21	107	91450	46.31	ng	# 85
37) 2-Methylnaphthalene	12.59	142	189583	40.50	ng	95
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	83521	39.62	ng	99
40) Hexachlorocyclopentadiene	12.92	237	79245	74.13	ng	99

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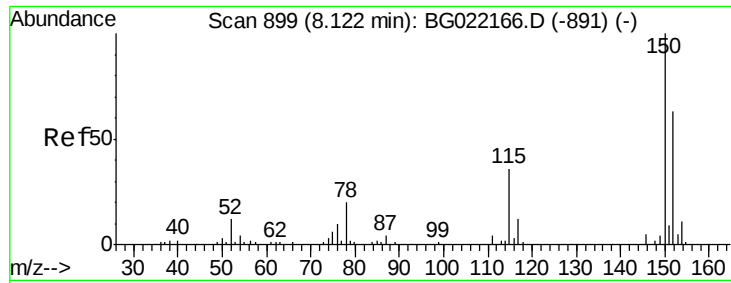
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	13.19	196	63516	44.91	ng	97
43) 2,4,5-Trichlorophenol	13.27	196	71759	45.92	ng #	92
45) 1,1'-Biphenyl	13.58	154	256991	41.69	ng	96
46) 2-Chloronaphthalene	13.63	162	201298	42.60	ng	95
47) 2-Nitroaniline	13.84	65	48985	43.48	ng #	56
48) Acenaphthylene	14.47	152	350427	42.27	ng	96
49) Dimethylphthalate	14.19	163	277831	40.91	ng	98
50) 2,6-Dinitrotoluene	14.32	165	63621	43.10	ng #	75
51) Acenaphthene	14.81	154	207047	41.69	ng	97
52) 3-Nitroaniline	14.66	138	40524	24.75	ng #	77
53) 2,4-Dinitrophenol	14.87	184	51733	85.02	ng #	73
54) Dibenzofuran	15.15	168	329879	42.56	ng	96
55) 4-Nitrophenol	14.98	139	105844	93.67	ng #	72
56) 2,4-Dinitrotoluene	15.11	165	89497	45.20	ng #	81
57) Fluorene	15.79	166	286561	42.92	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.38	232	58864	42.00	ng	93
59) Diethylphthalate	15.55	149	300588	41.44	ng	99
60) 4-Chlorophenyl-phenylether	15.78	204	131557	43.51	ng	93
61) 4-Nitroaniline	15.82	138	69785	40.19	ng #	77
62) Azobenzene	16.07	77	242874	44.21	ng	87
64) 4,6-Dinitro-2-methylphenol	15.88	198	41219	42.32	ng #	77
65) n-Nitrosodiphenylamine	15.99	169	244587	43.44	ng	98
66) 4-Bromophenyl-phenylether	16.67	248	78321	42.76	ng	94
67) Hexachlorobenzene	16.80	284	89016	41.70	ng	92
68) Atrazine	16.94	200	82881	39.77	ng	98
69) Pentachlorophenol	17.14	266	82098	84.43	ng	99
70) Phenanthrene	17.54	178	449235	42.32	ng	99
71) Anthracene	17.63	178	447771	42.53	ng	97
72) Carbazole	17.90	167	421871	42.31	ng	99
73) Di-n-butylphthalate	18.43	149	544014	41.73	ng	98
74) Fluoranthene	19.54	202	511475	41.91	ng	98
76) Benzidine	19.72	184	142877	29.59	ng	97
77) Pyrene	19.90	202	500882	43.64	ng	99
79) Butylbenzylphthalate	20.76	149	228037	42.84	ng	92
80) Benzo(a)anthracene	21.74	228	444203	42.91	ng	100
81) 3,3'-Dichlorobenzidine	21.66	252	79231	27.26	ng #	96
82) Chrysene	21.82	228	427537	42.44	ng	99
83) Bis(2-ethylhexyl)phthalate	21.62	149	339340	43.35	ng	98
84) Di-n-octyl phthalate	22.86	149	573565	44.13	ng #	85
85) Indeno(1,2,3-cd)pyrene	28.84	276	496912	43.97	ng #	88
87) Benzo(b)fluoranthene	24.01	252	451229	43.80	ng #	96
88) Benzo(k)fluoranthene	24.08	252	432274	42.63	ng #	96
89) Benzo(a)pyrene	24.91	252	423244	42.97	ng	96
90) Dibenzo(a,h)anthracene	28.90	278	405574	43.72	ng #	95
91) Benzo(g,h,i)perylene	30.02	276	417609	43.27	ng #	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

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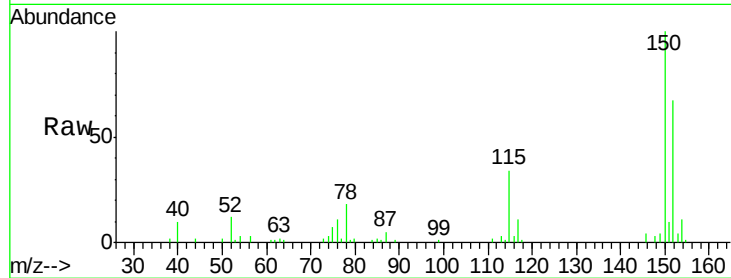
Tgt Ion:152 Resp: 25785

Ion Ratio Lower Upper

152 100

150 148.8 130.1 195.1

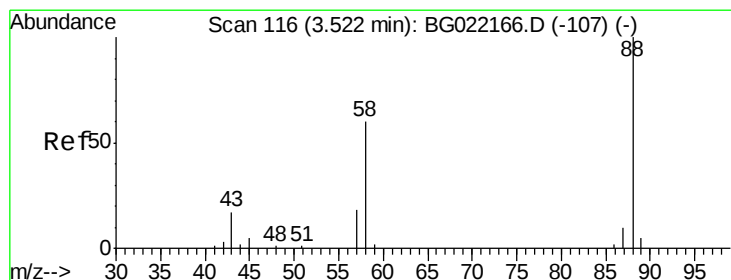
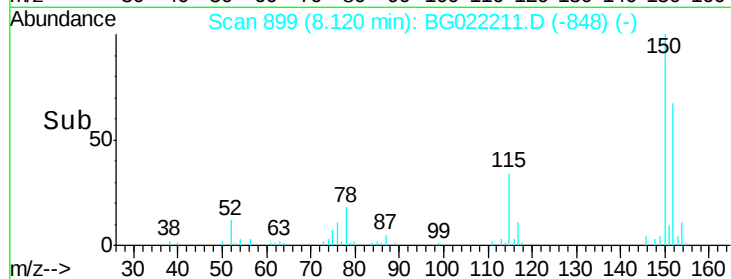
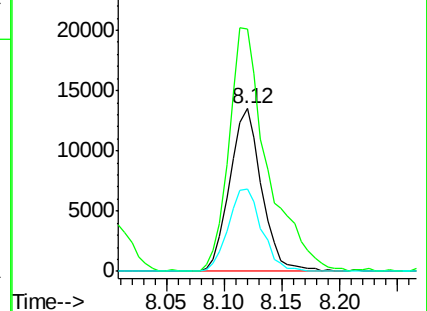
115 50.3 62.2 93.2#



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: 29.22 ng

RT: 3.51 min Scan# 115

Delta R.T. -0.01 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

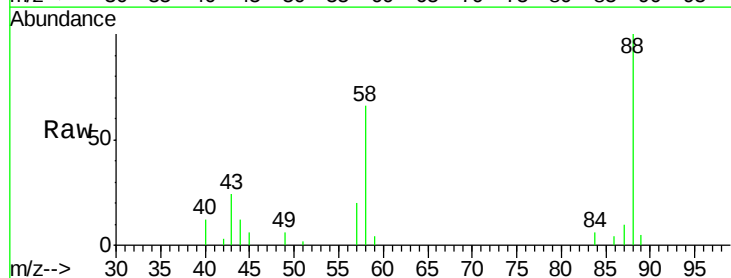
Tgt Ion: 88 Resp: 18688

Ion Ratio Lower Upper

88 100

58 58.3 36.8 55.2#

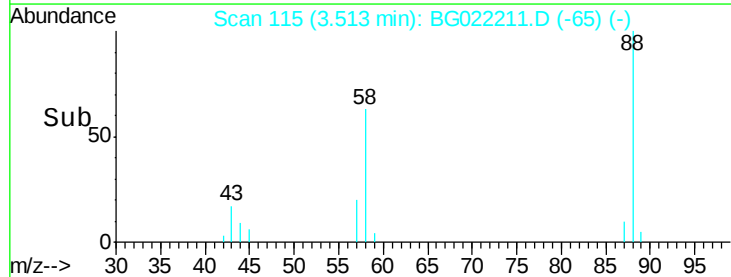
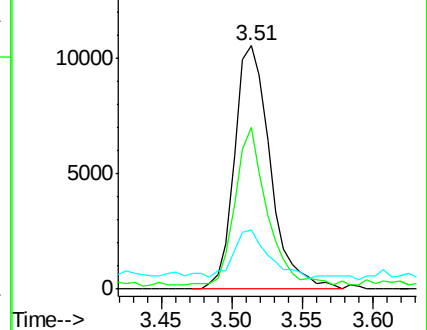
43 19.5 10.4 15.6#

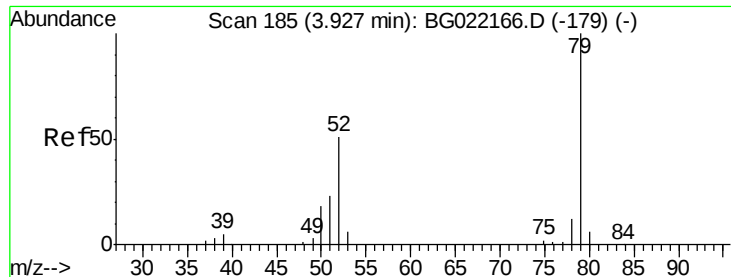


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 31.86 ng

RT: 3.92 min Scan# 185

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

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ClientSampleId :

PB91119BSD

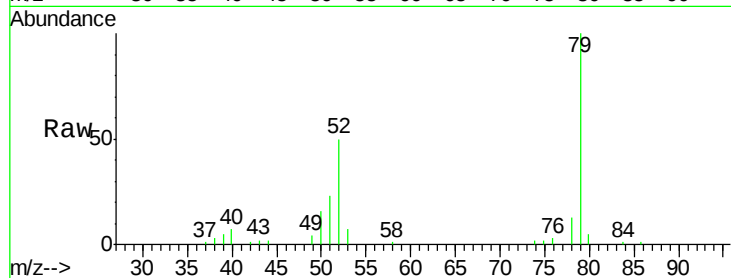
Tgt Ion: 79 Resp: 55048

Ion Ratio Lower Upper

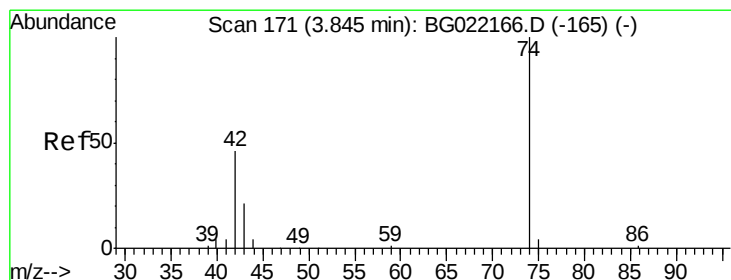
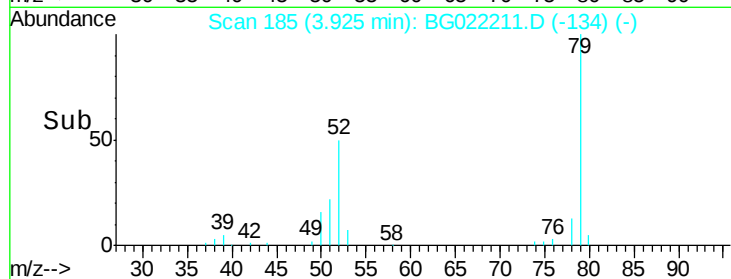
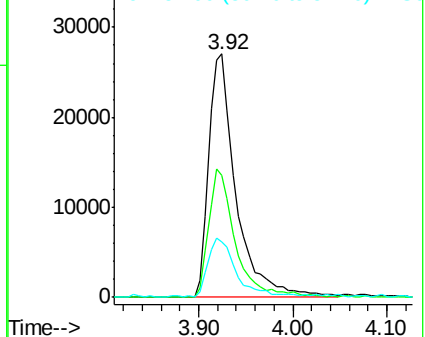
79 100

52 49.9 41.6 62.4

51 22.9 19.2 28.8



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: 39.80 ng

RT: 3.84 min Scan# 170

Delta R.T. -0.01 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

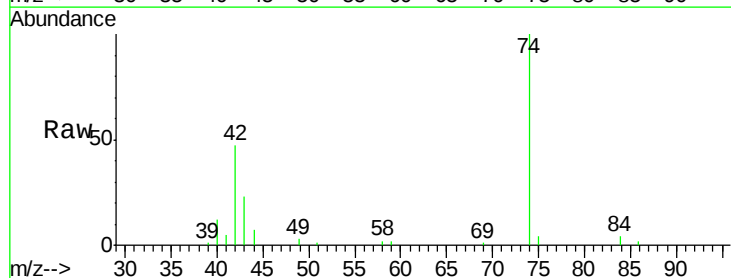
Tgt Ion: 42 Resp: 15378

Ion Ratio Lower Upper

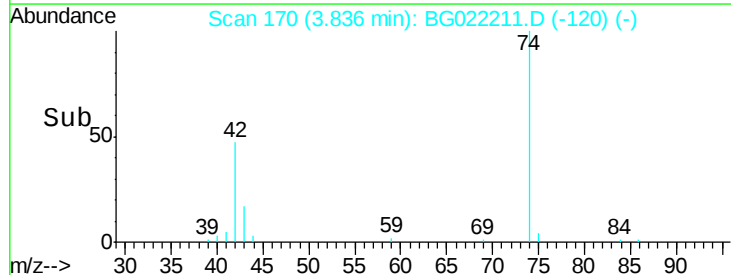
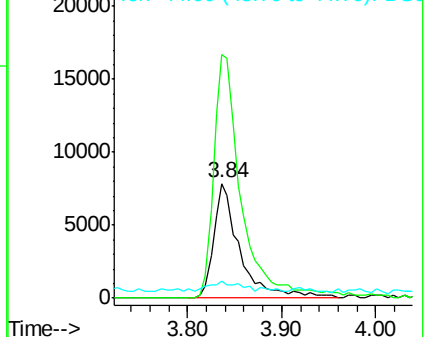
42 100

74 212.0 184.0 276.0

44 15.2 11.0 16.6



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: 148.79 ng

RT: 5.67 min Scan# 482

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

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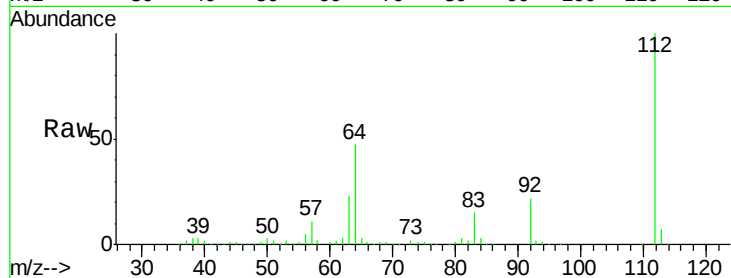
Tgt Ion: 112 Resp: 198424

Ion Ratio Lower Upper

112 100

64 46.5 51.1 76.7#

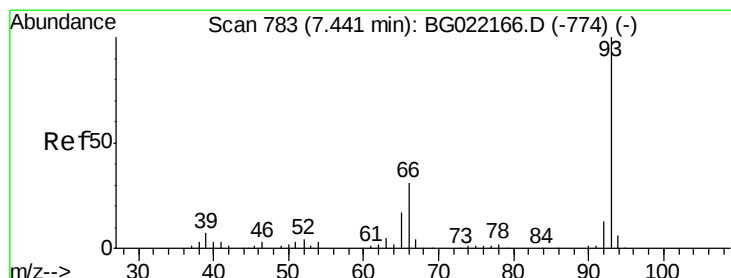
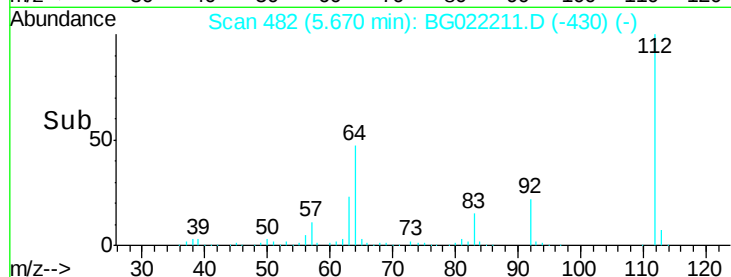
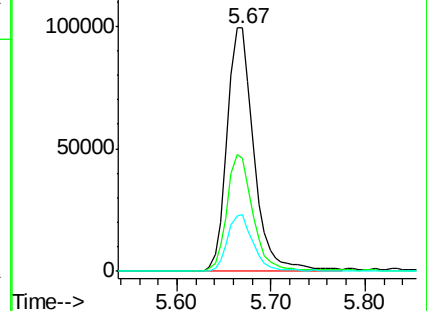
63 23.1 24.6 37.0#



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: 27.34 ng

RT: 7.44 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

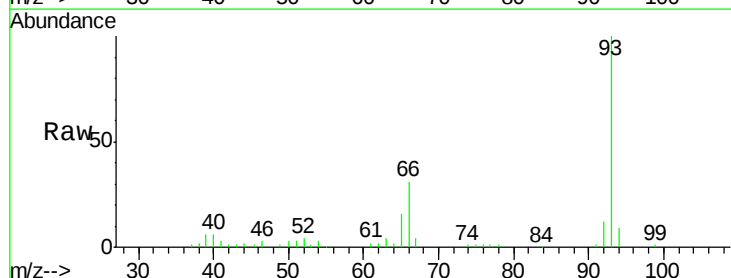
Tgt Ion: 93 Resp: 72833

Ion Ratio Lower Upper

93 100

66 31.2 36.3 54.5#

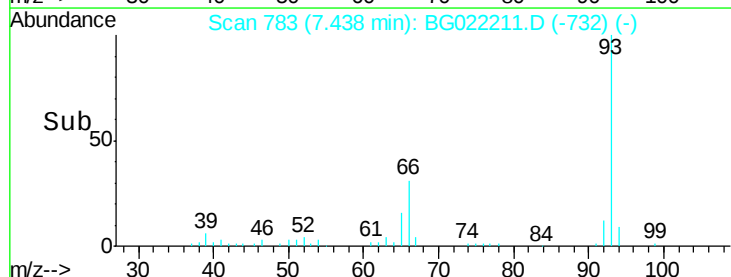
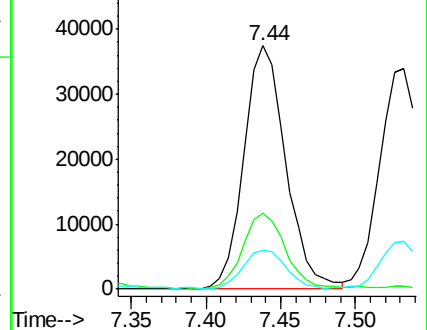
65 16.0 18.4 27.6#



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: 142.91 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.00 min

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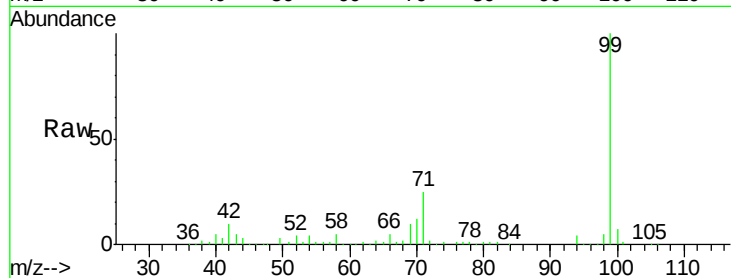
Tgt Ion: 99 Resp: 299661

Ion Ratio Lower Upper

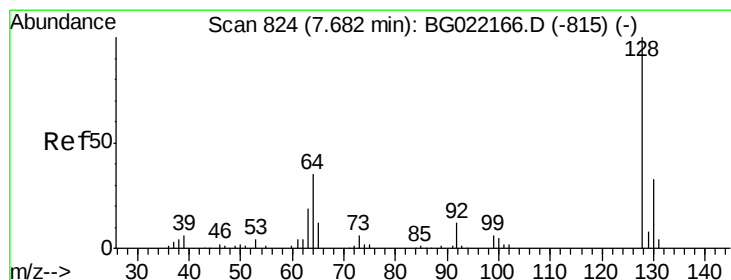
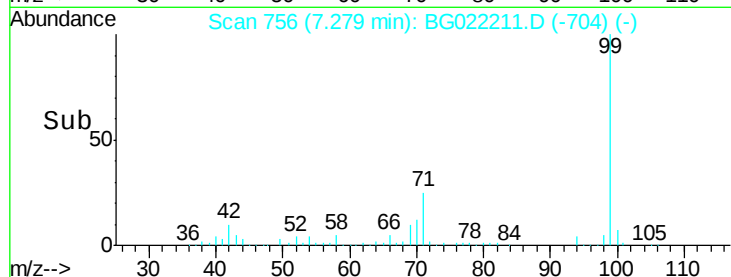
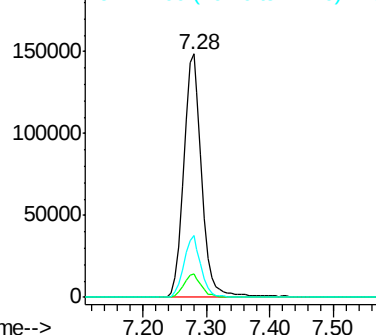
99 100

42 9.8 16.4 24.6#

71 25.5 25.0 37.4



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: 44.66 ng

RT: 7.68 min Scan# 824

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

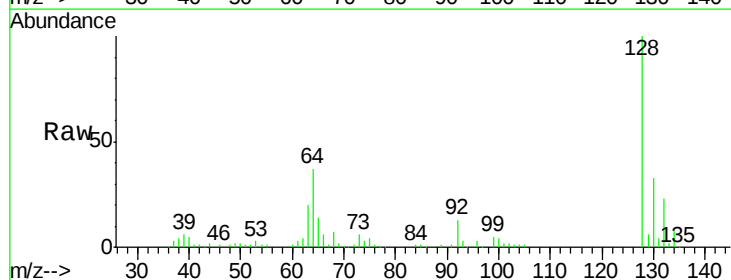
Tgt Ion: 128 Resp: 82322

Ion Ratio Lower Upper

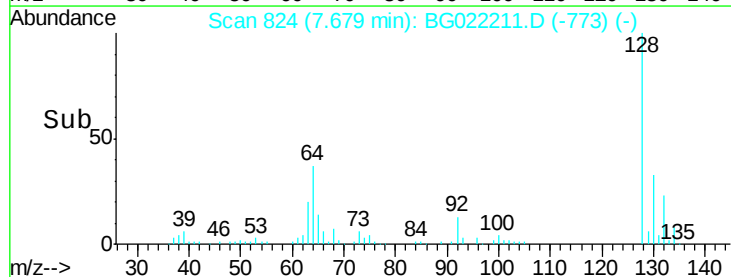
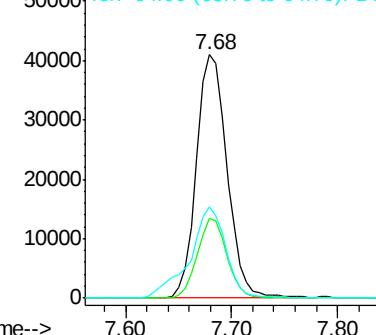
128 100

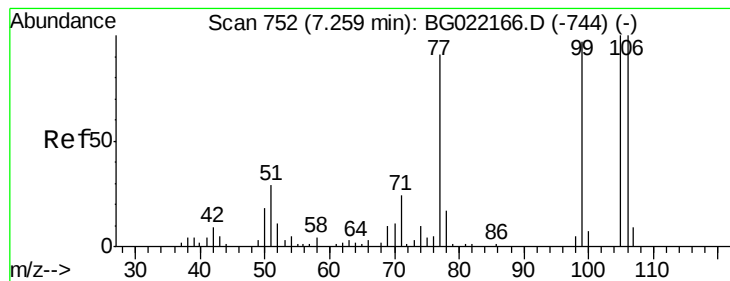
130 33.0 11.2 51.2

64 37.4 39.8 79.8#



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: 2.01 ng

RT: 7.27 min Scan# 754

Delta R.T. 0.01 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

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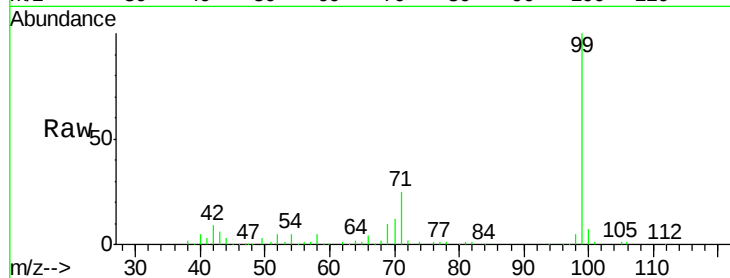
Tgt Ion: 77 Resp: 2317

Ion Ratio Lower Upper

77 100

105 96.5 62.1 102.1

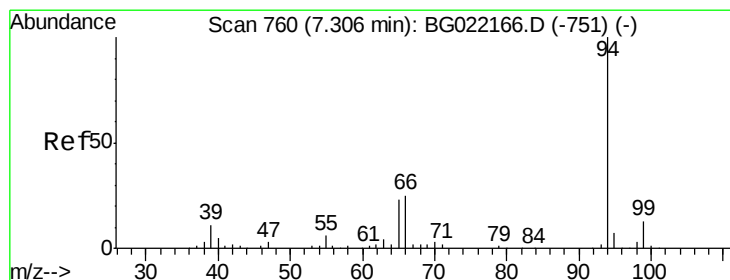
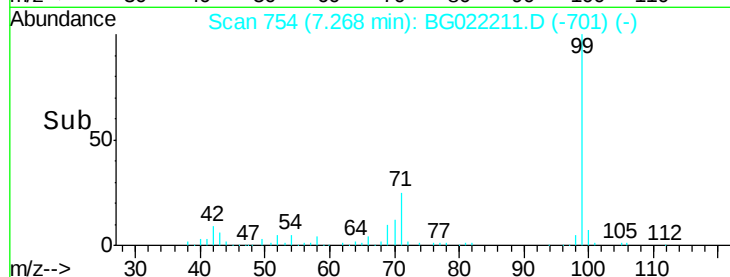
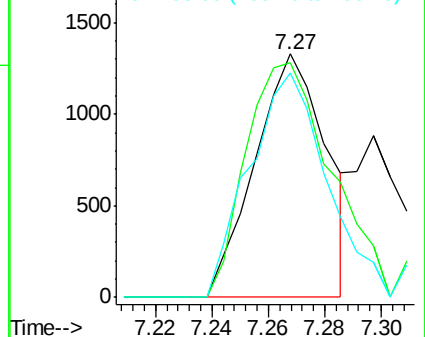
106 92.0 65.6 105.6



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: 45.96 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

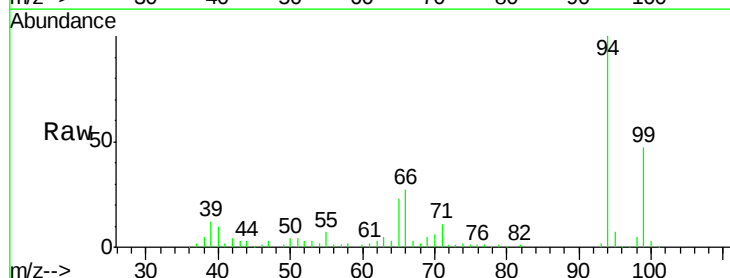
Tgt Ion: 94 Resp: 99364

Ion Ratio Lower Upper

94 100

65 23.2 9.8 49.8

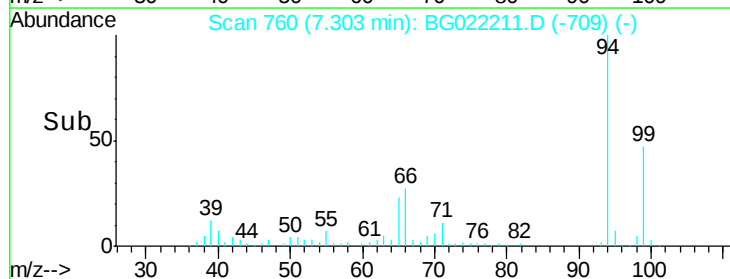
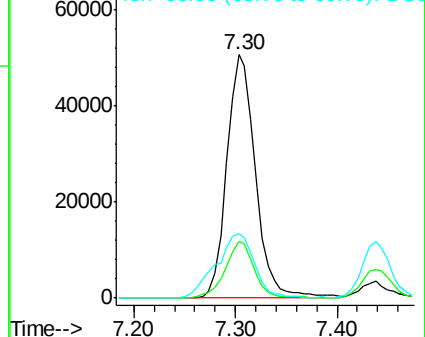
66 26.6 20.8 60.8

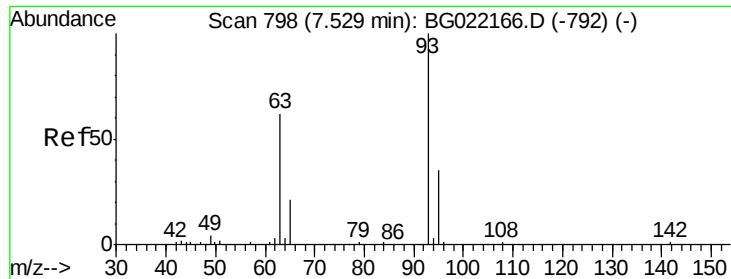


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

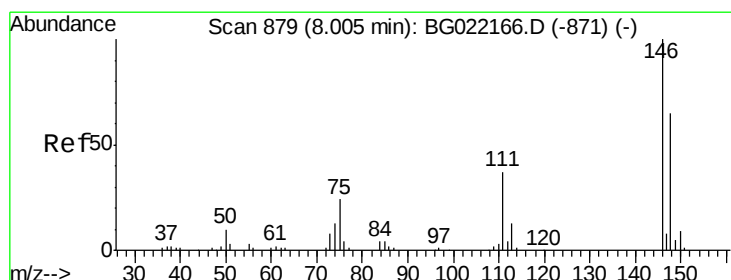
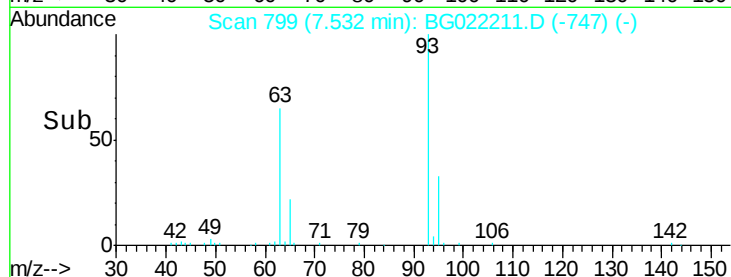
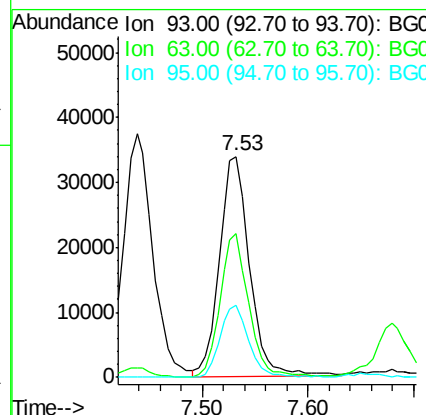
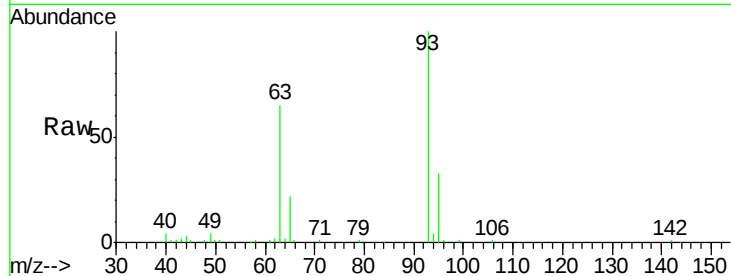




#11
bis(2-Chloroethyl)ether
Concen: 39.21 ng
RT: 7.53 min Scan# 799
Delta R.T. 0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

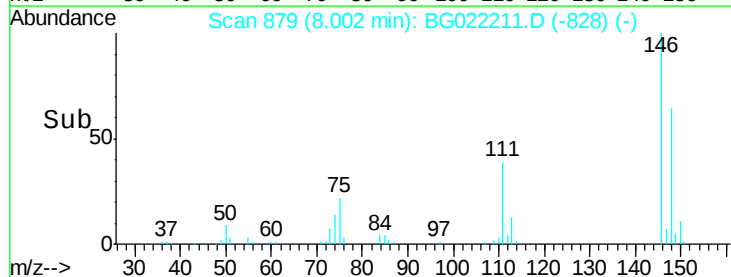
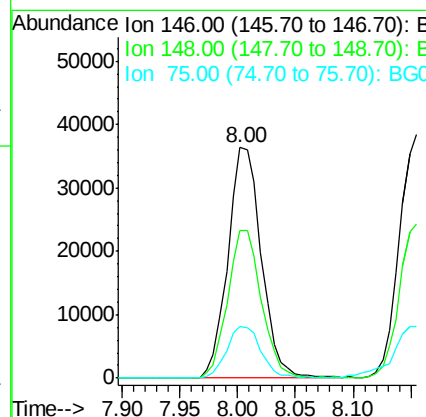
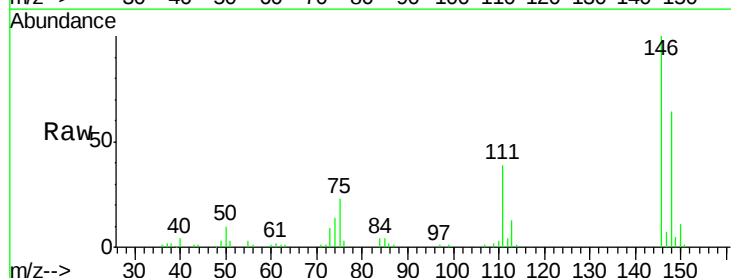
Instrument :
BNA_G
ClientSampleId :
PB91119BSD

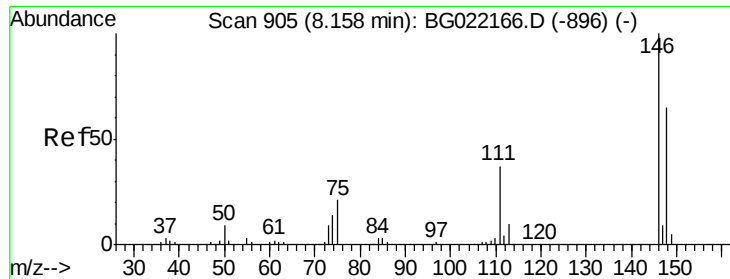
Tgt Ion: 93 Resp: 67585
Ion Ratio Lower Upper
93 100
63 65.0 74.9 114.9#
95 32.5 8.3 48.3



#12
1,3-Dichlorobenzene
Concen: 36.92 ng
RT: 8.00 min Scan# 879
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Tgt Ion: 146 Resp: 72953
Ion Ratio Lower Upper
146 100
148 64.1 53.7 80.5
75 22.6 27.4 41.0#

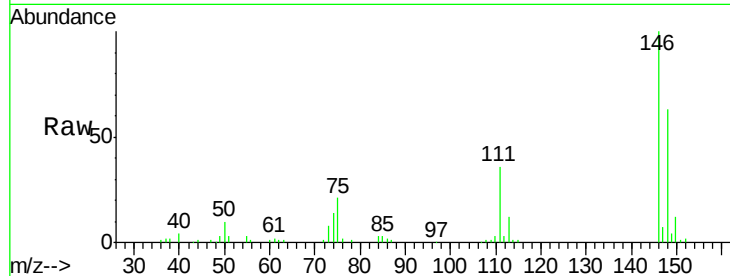




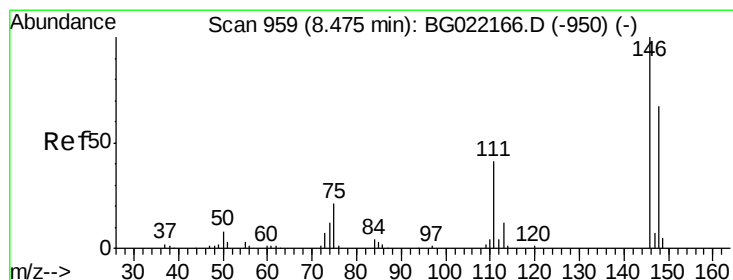
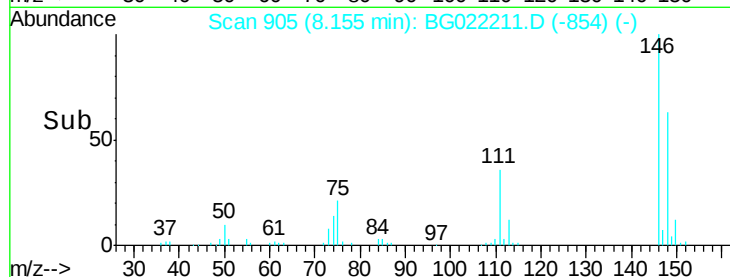
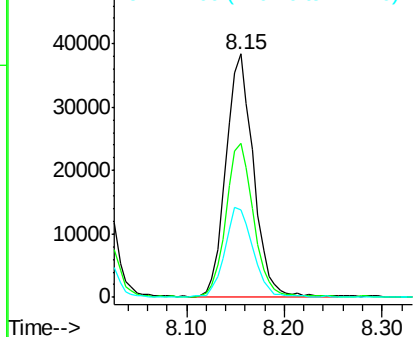
#13
 1,4-Dichlorobenzene
 Concen: 38.33 ng
 RT: 8.15 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

Tgt Ion:146 Resp: 75458
 Ion Ratio Lower Upper
 146 100
 148 63.5 46.7 70.1
 111 35.8 33.0 49.6

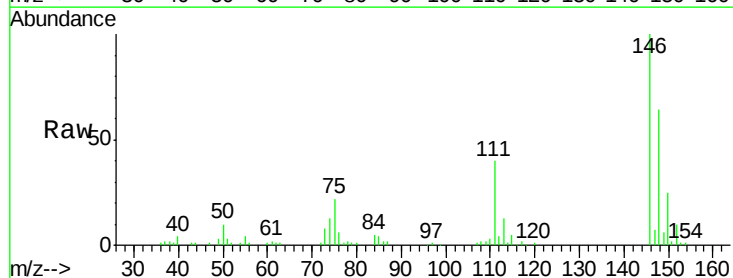


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

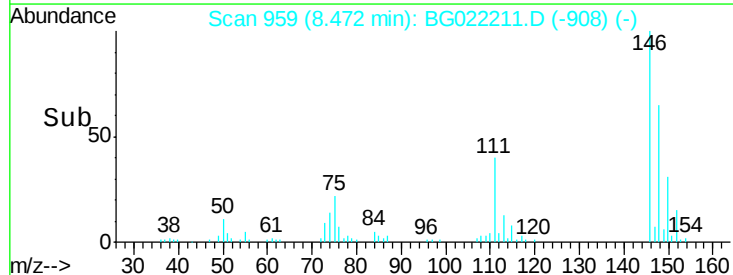
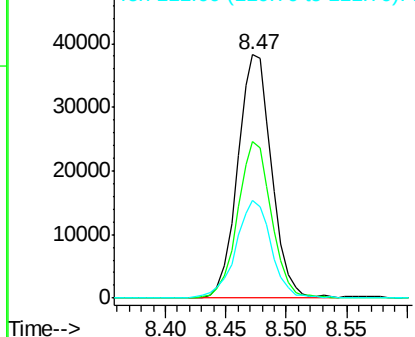


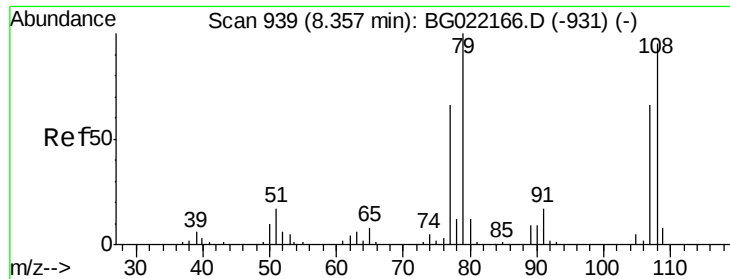
#14
 1,2-Dichlorobenzene
 Concen: 37.50 ng
 RT: 8.47 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion:146 Resp: 74426
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.6 79.0
 111 39.9 36.1 54.1



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.63 ng

RT: 8.35 min Scan# 939

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

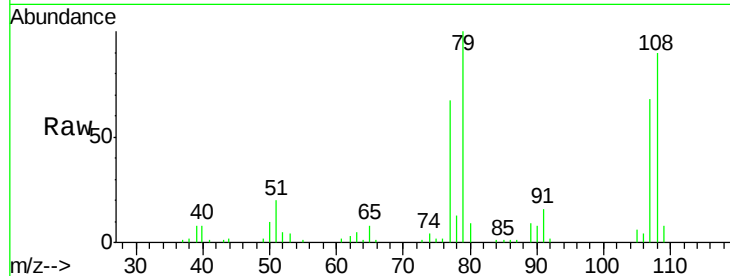
Tgt Ion: 79 Resp: 52340

Ion Ratio Lower Upper

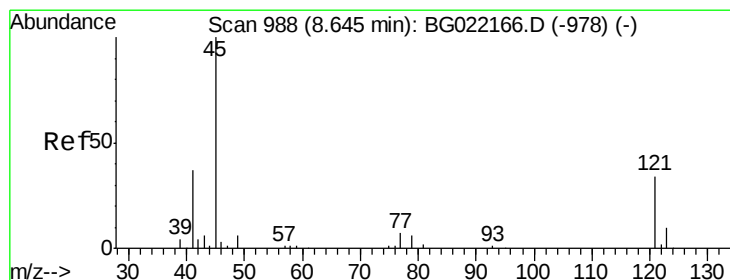
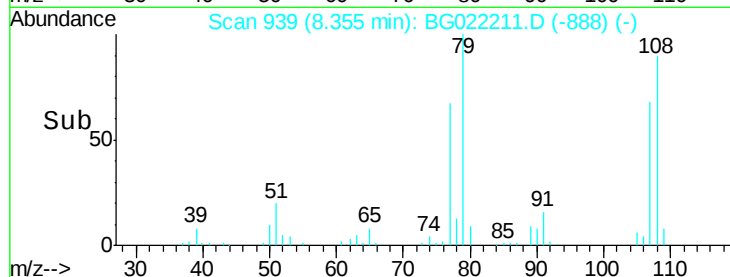
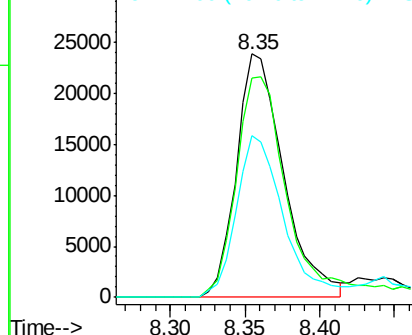
79 100

108 90.2 59.4 89.0#

77 66.6 52.2 78.2



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: 37.99 ng

RT: 8.65 min Scan# 989

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

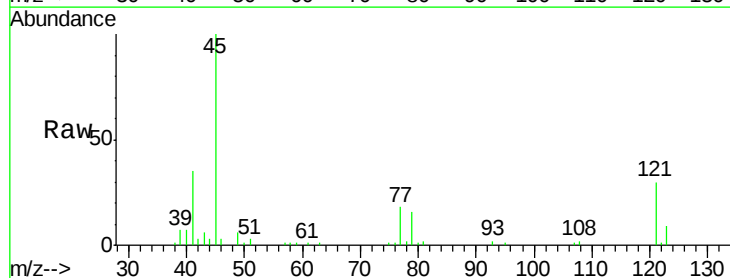
Tgt Ion: 45 Resp: 67937

Ion Ratio Lower Upper

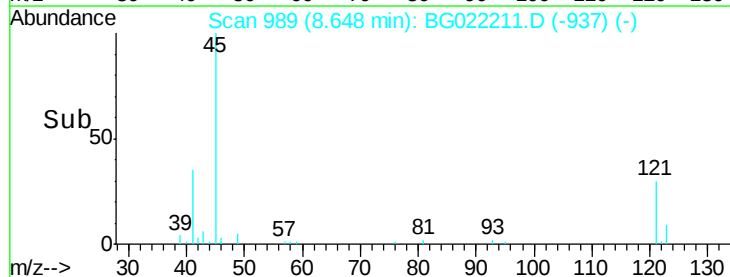
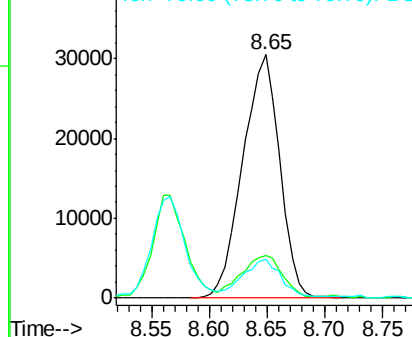
45 100

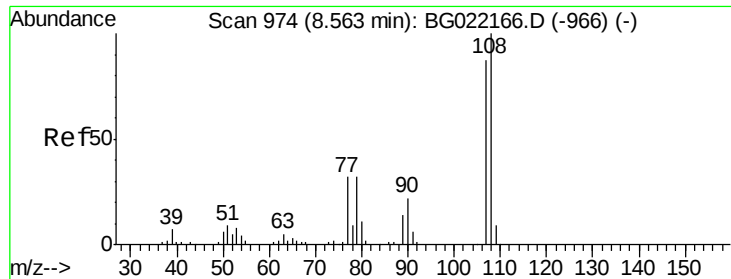
77 17.7 0.0 31.2

79 15.7 0.0 29.0



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

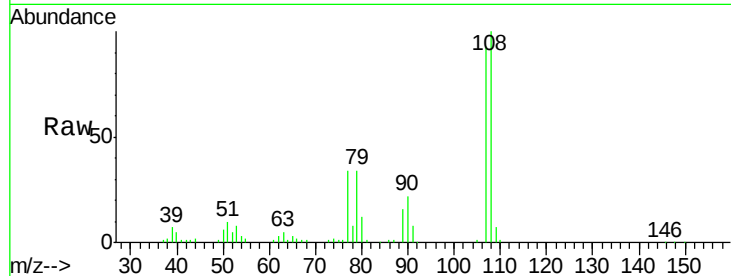




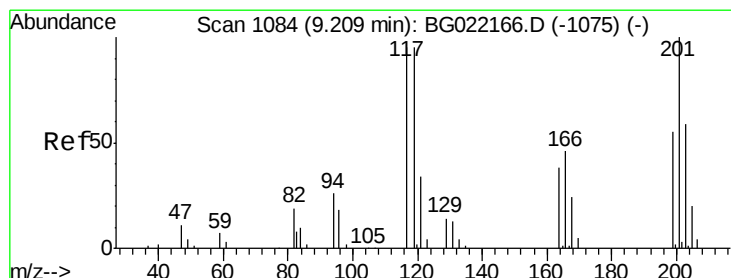
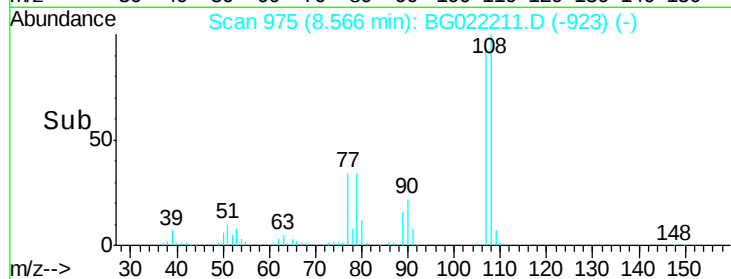
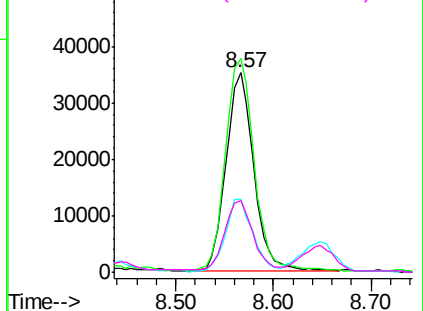
#17
2-Methylphenol
Concen: 43.01 ng
RT: 8.57 min Scan# 975
Delta R.T. 0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Instrument :
BNA_G
ClientSampleId :
PB91119BSD

Tgt Ion:107 Resp: 69378
Ion Ratio Lower Upper
107 100
108 107.1 80.2 120.4
77 36.5 40.7 61.1#
79 36.0 39.8 59.8#

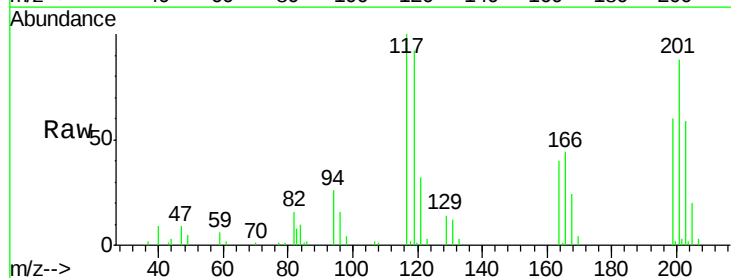


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

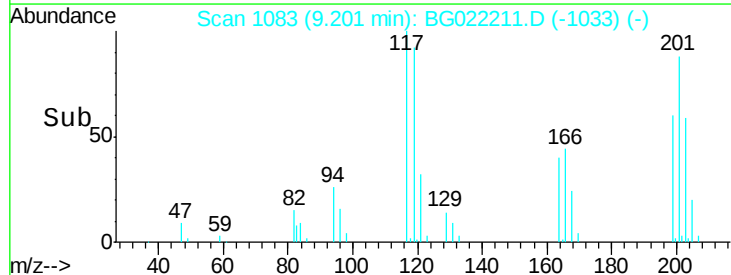
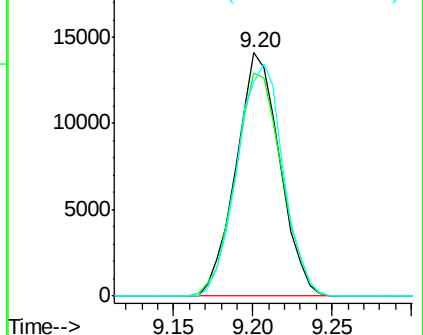


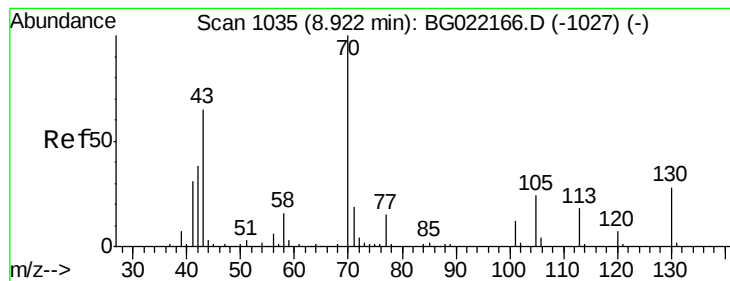
#18
Hexachloroethane
Concen: 37.46 ng
RT: 9.20 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Tgt Ion:117 Resp: 26930
Ion Ratio Lower Upper
117 100
119 93.1 63.9 95.9
201 90.8 61.2 91.8



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: 37.47 ng

RT: 8.92 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

Tgt Ion: 70 Resp: 53184

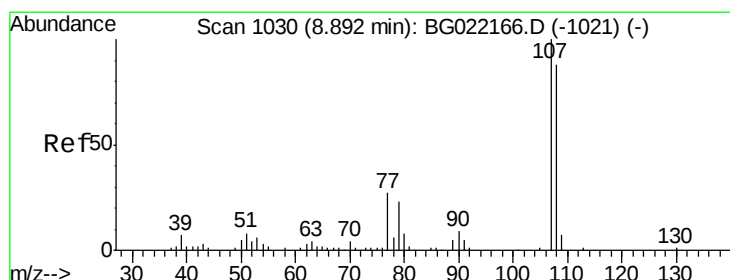
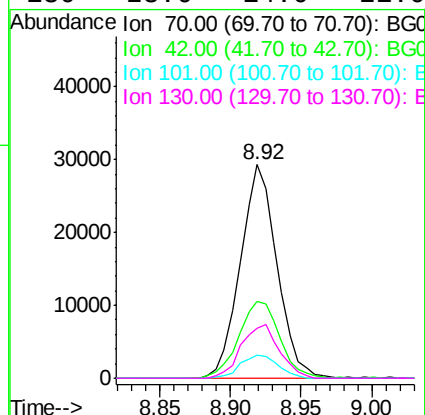
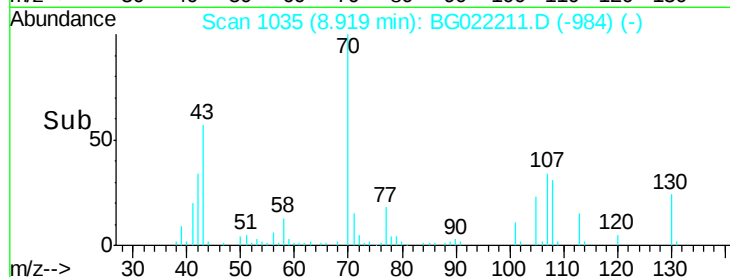
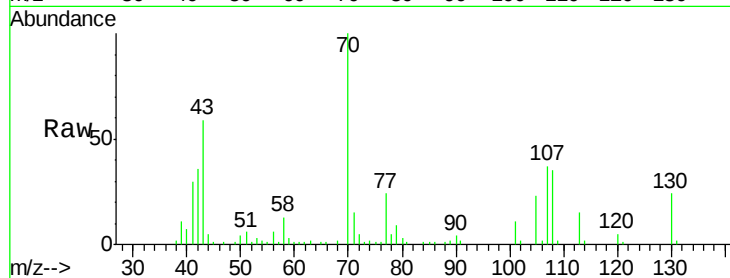
Ion Ratio Lower Upper

70 100

42 36.0 56.7 85.1#

101 11.0 8.2 12.4

130 23.6 14.0 21.0#



#20

3+4-Methylphenols

Concen: 42.38 ng

RT: 8.90 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Tgt Ion: 107 Resp: 98058

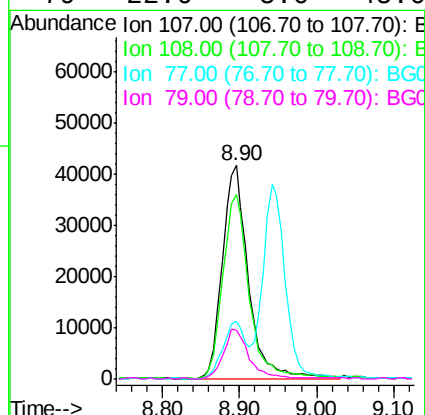
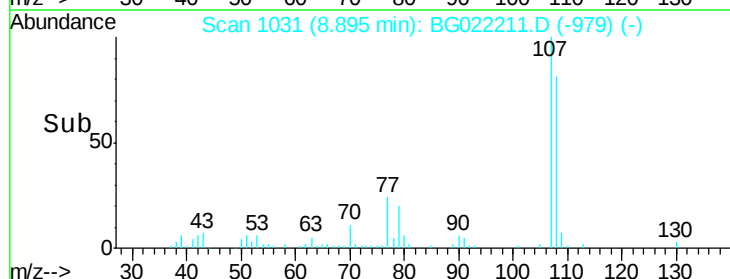
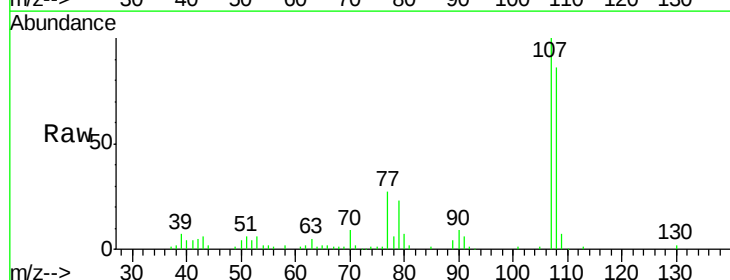
Ion Ratio Lower Upper

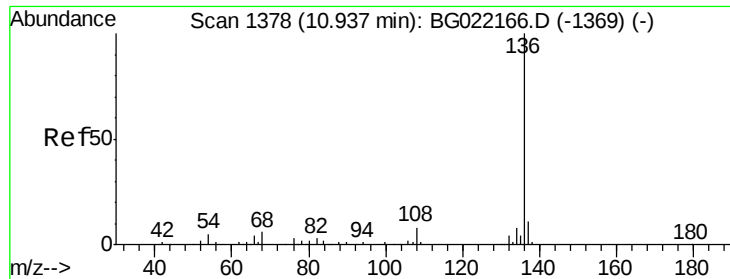
107 100

108 86.3 66.2 106.2

77 26.8 11.5 51.5

79 22.6 5.6 45.6

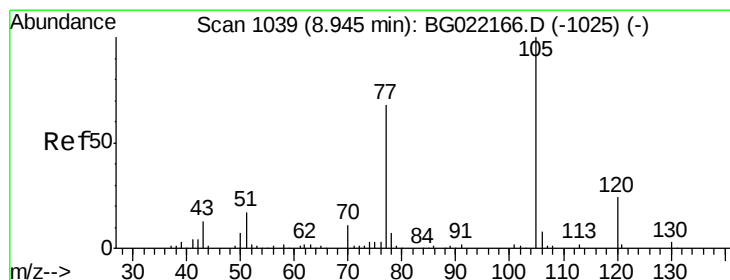
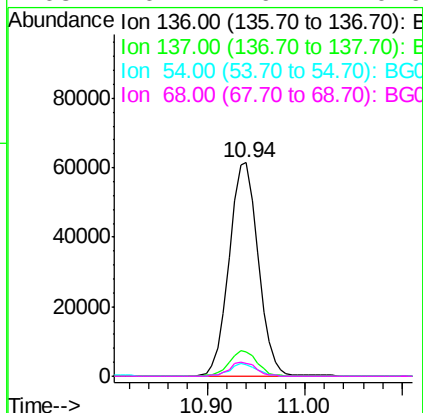
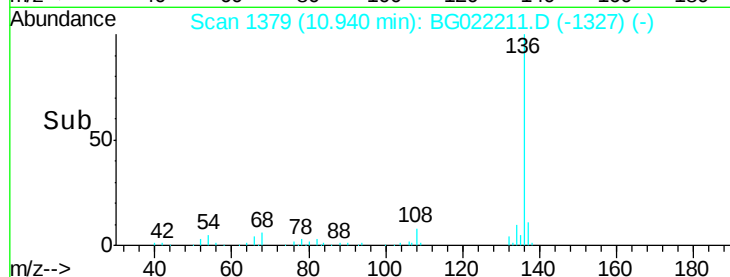
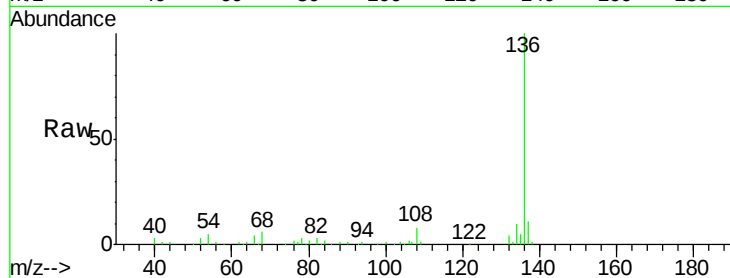




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

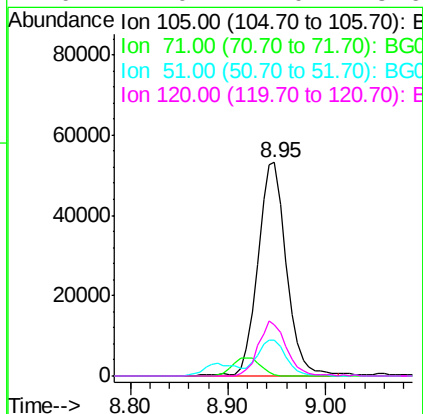
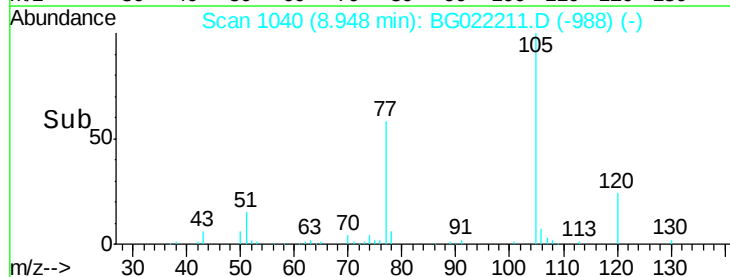
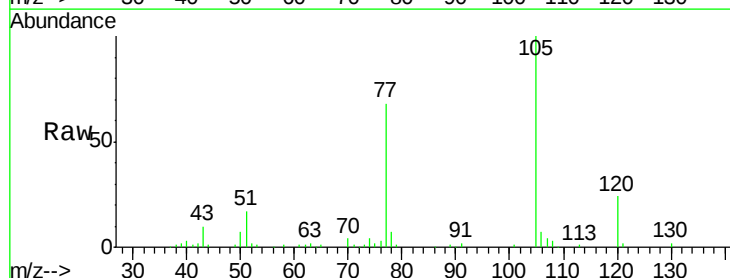
Instrument :
BNA_G
ClientSampleId :
PB91119BSD

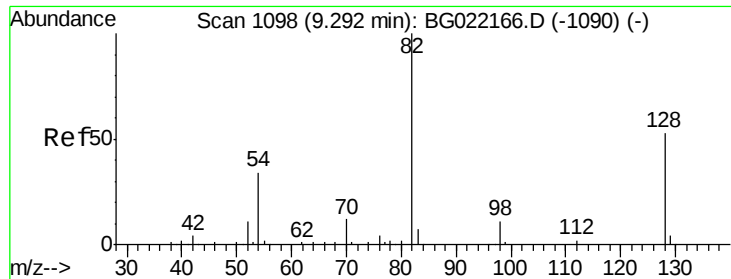
Tgt Ion:	136	Resp:	127029
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	5.2	9.6	14.4#
68	6.2	6.4	9.6#



#22
Acetophenone
Concen: 39.87 ng
RT: 8.95 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Tgt Ion:	105	Resp:	109138
Ion	Ratio	Lower	Upper
105	100		
71	0.8	0.0	0.0#
51	16.6	25.7	38.5#
120	24.0	17.0	25.6

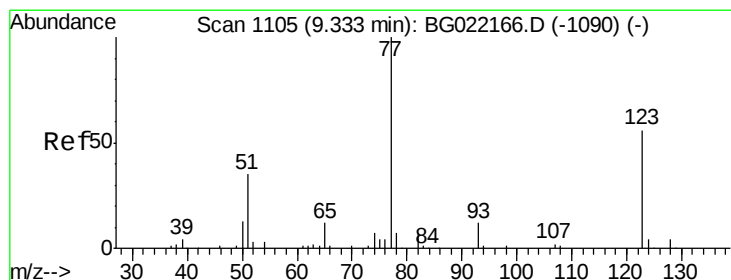
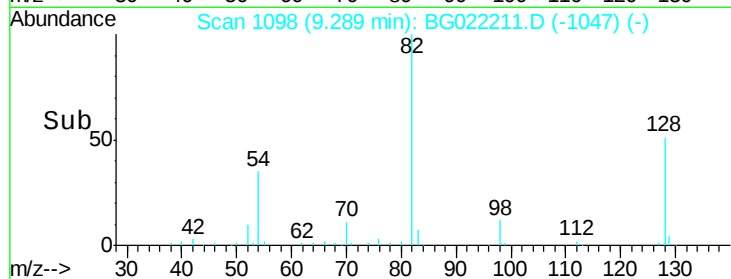
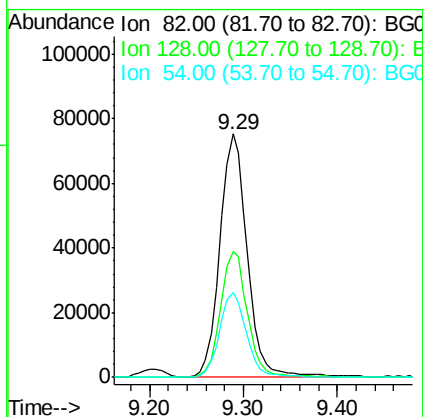
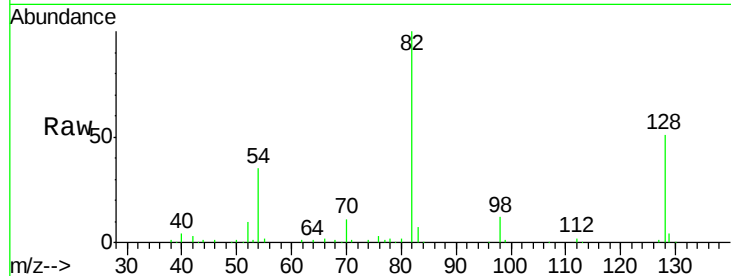




#23
 Nitrobenzene-d5
 Concen: 83.73 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

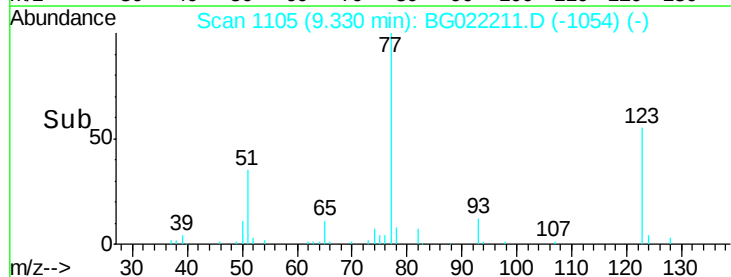
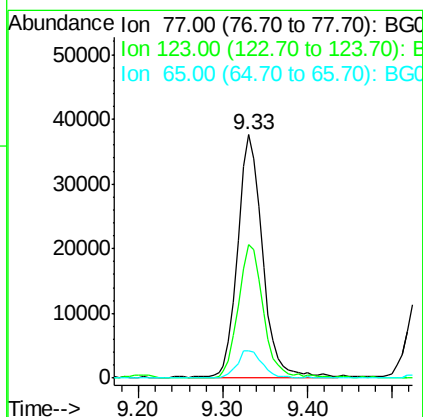
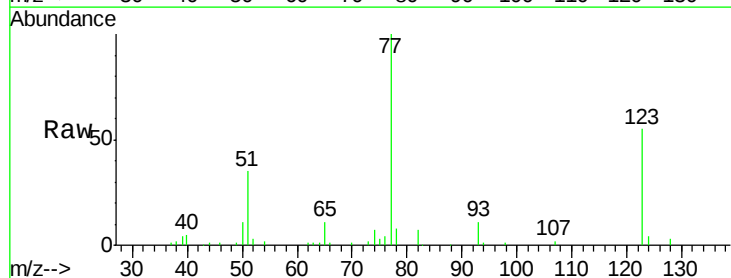
Instrument :
 BNA_G
 ClientSampleID :
 PB91119BSD

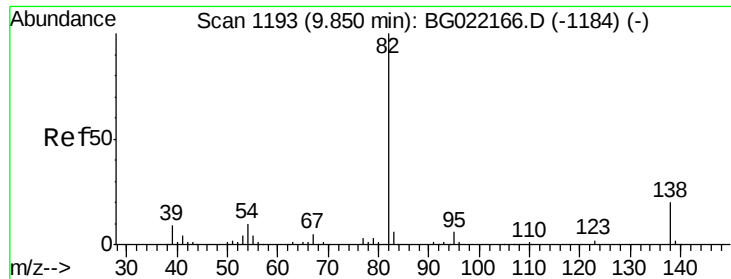
Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.5	33.4	50.0#
54	34.9	46.1	69.1#



#24
 Nitrobenzene
 Concen: 42.08 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion	Ratio	Lower	Upper
77	100		
123	54.8	32.2	48.4#
65	11.2	10.3	15.5





#25

Isophorone

Concen: 38.58 ng

RT: 9.85 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampled :

PB91119BSD

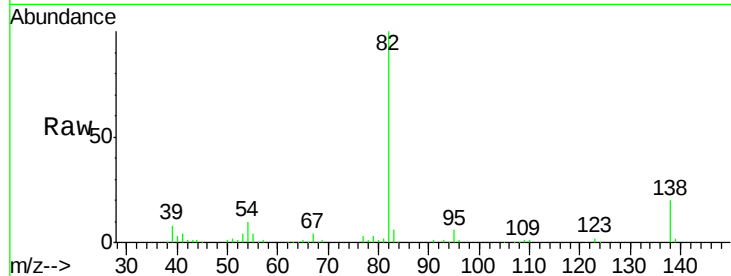
Tgt Ion: 82 Resp: 164455

Ion Ratio Lower Upper

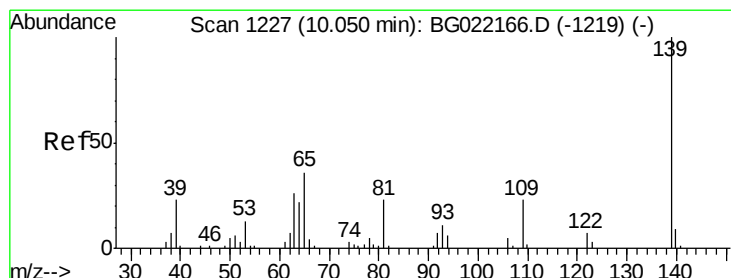
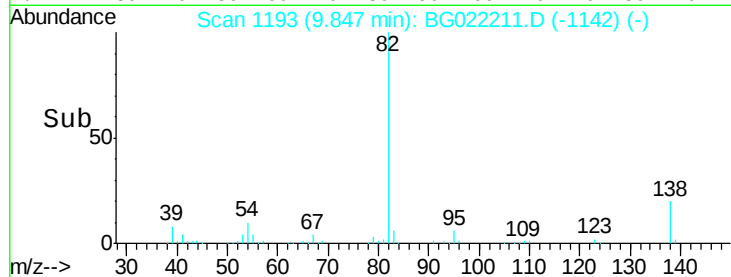
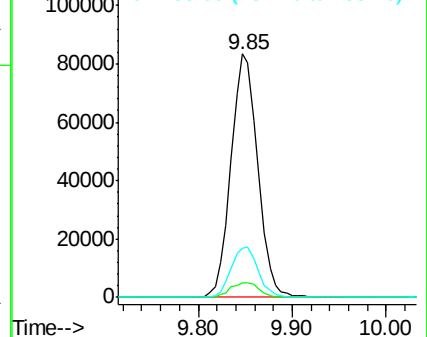
82 100

95 5.8 6.0 9.0#

138 20.2 13.4 20.0#



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: 42.07 ng

RT: 10.05 min Scan# 1227

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

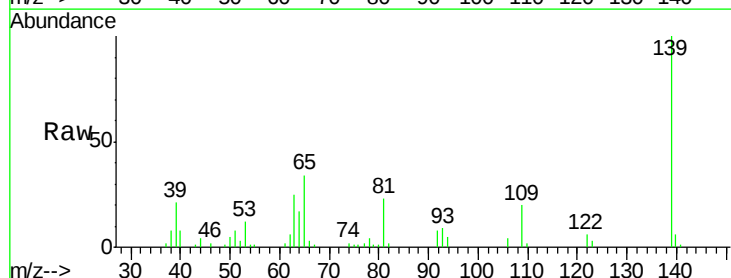
Tgt Ion: 139 Resp: 41798

Ion Ratio Lower Upper

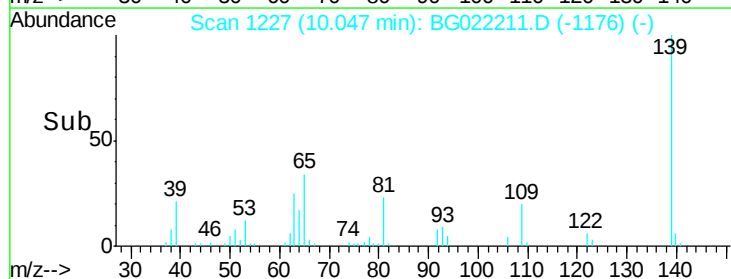
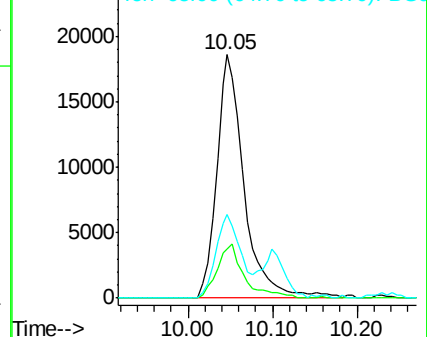
139 100

109 19.9 26.6 40.0#

65 34.3 45.3 67.9#



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

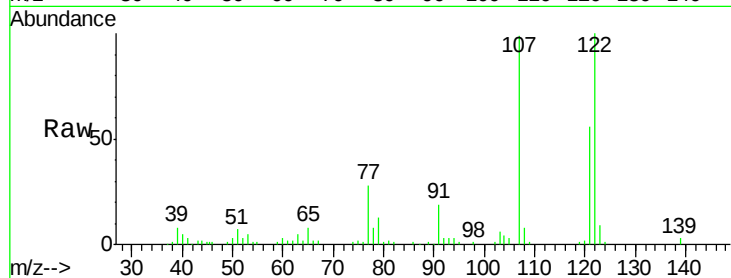




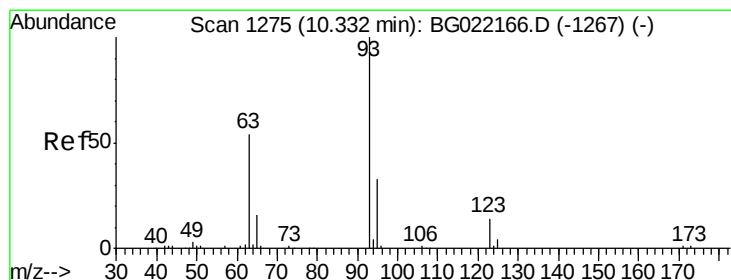
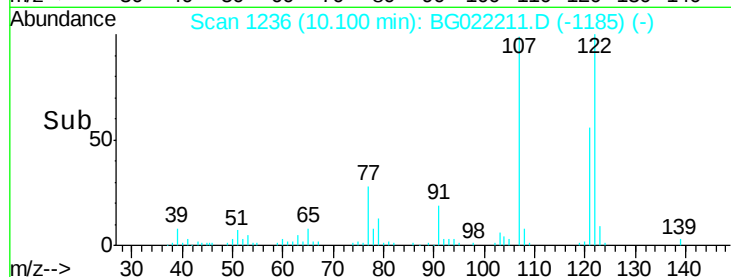
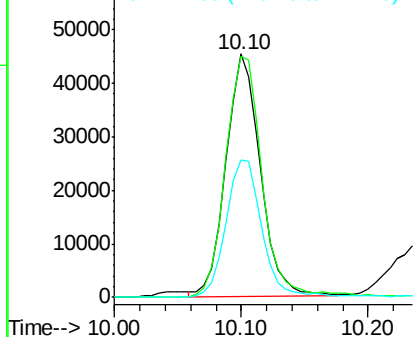
#27
2,4-Dimethylphenol
Concen: 47.13 ng
RT: 10.10 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Instrument :
BNA_G
ClientSampleId :
PB91119BSD

Tgt Ion: 122 Resp: 84746
Ion Ratio Lower Upper
122 100
107 99.1 97.2 145.8
121 56.5 49.0 73.4

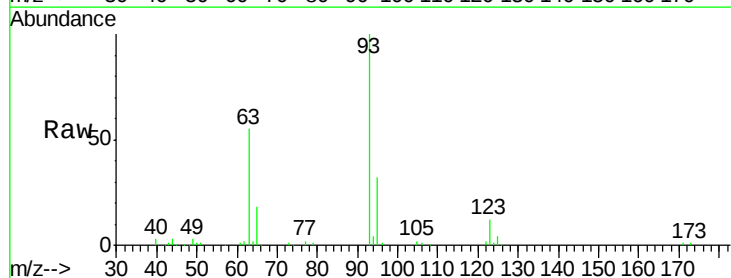


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

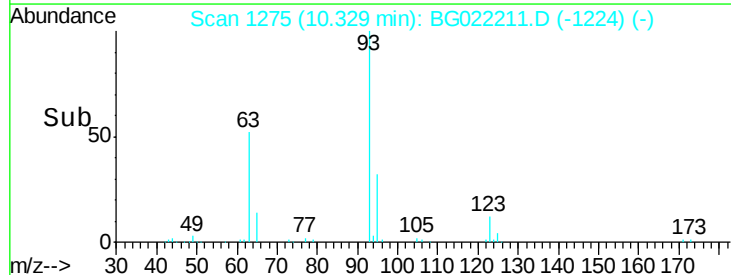
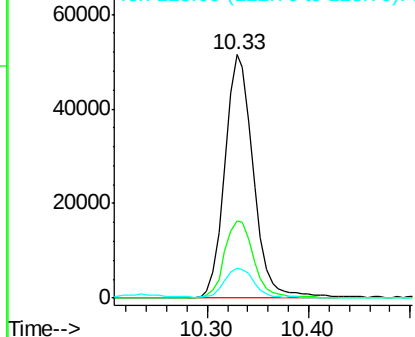


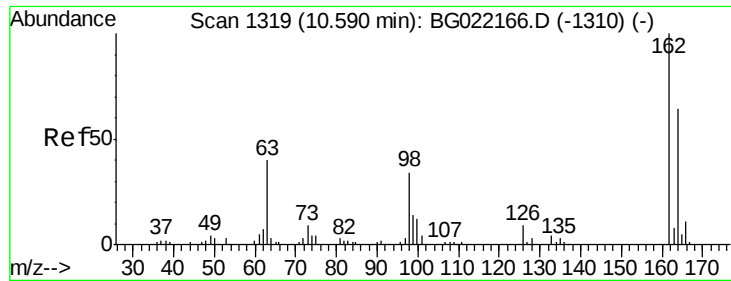
#28
bis(2-Chloroethoxy)methane
Concen: 41.06 ng
RT: 10.33 min Scan# 1275
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Tgt Ion: 93 Resp: 100287
Ion Ratio Lower Upper
93 100
95 31.8 30.1 45.1
123 12.2 10.2 15.4



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

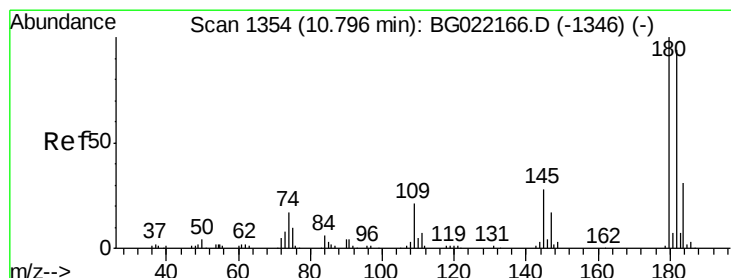
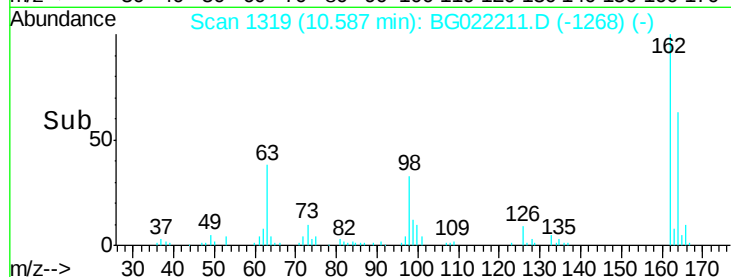
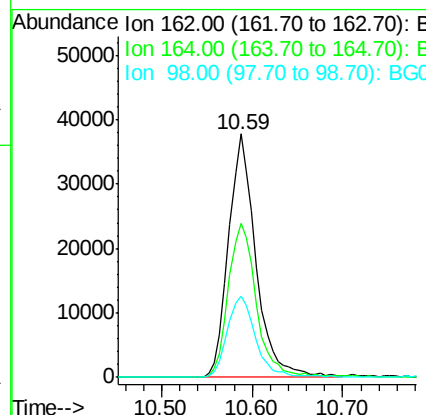
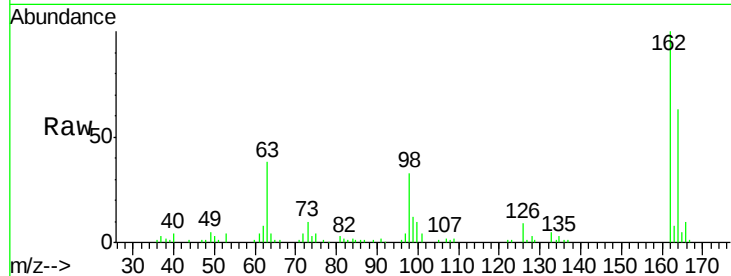




#29
 2,4-Dichlorophenol
 Concen: 47.60 ng
 RT: 10.59 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

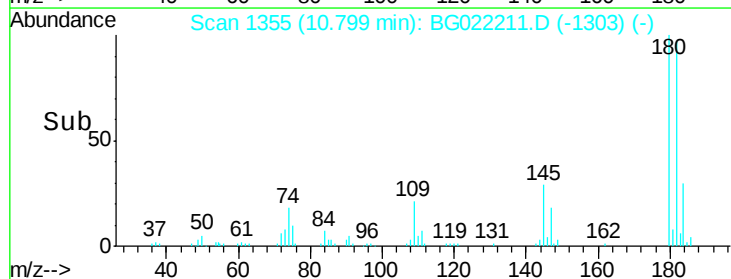
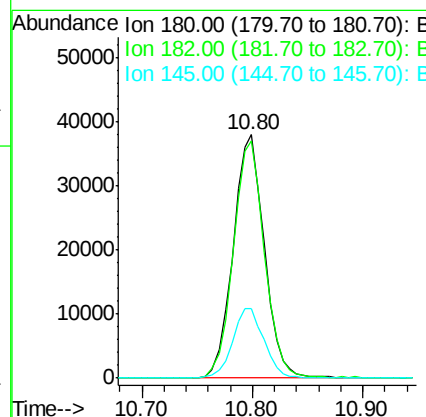
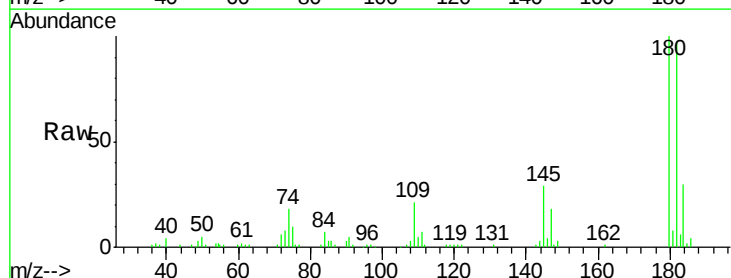
Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

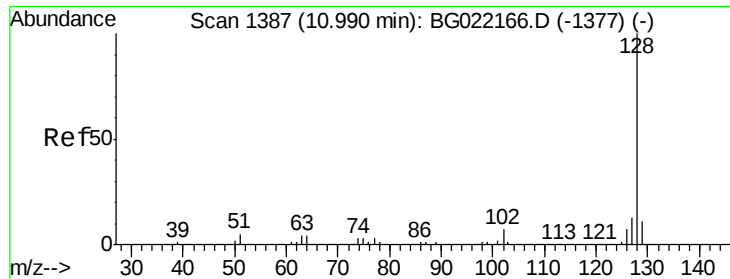
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.9	84.9
98	33.5	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 40.27 ng
 RT: 10.80 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	82.3	123.5
145	28.5	24.4	36.6





#31

Naphthalene

Concen: 40.37 ng

RT: 10.99 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

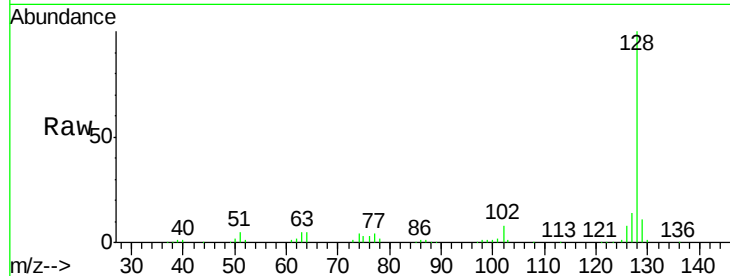
Tgt Ion:128 Resp: 255941

Ion Ratio Lower Upper

128 100

129 11.1 7.0 10.6#

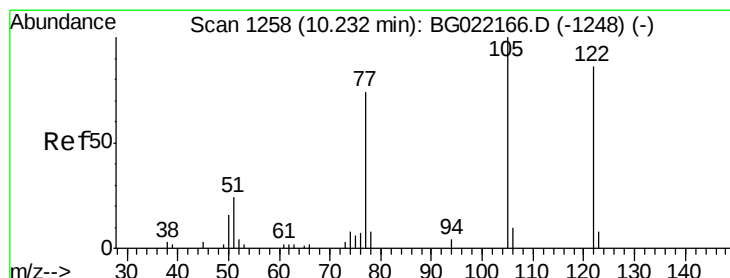
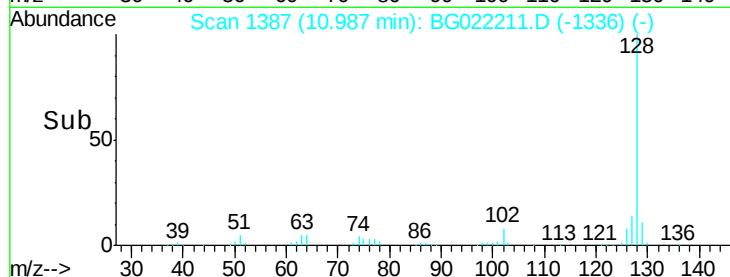
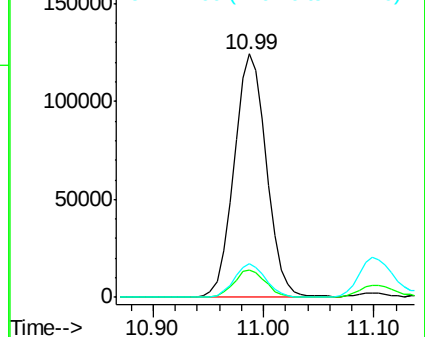
127 13.9 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 43.55 ng

RT: 10.23 min Scan# 1259

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

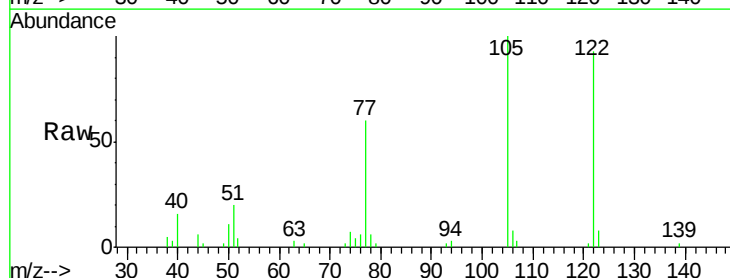
Tgt Ion:122 Resp: 25622

Ion Ratio Lower Upper

122 100

105 107.9 104.5 144.5

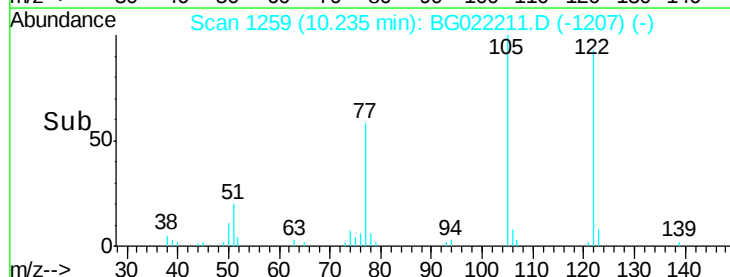
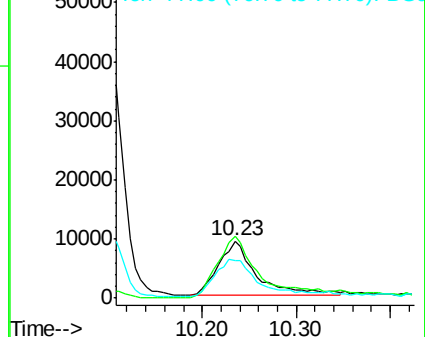
77 65.2 79.9 119.9#

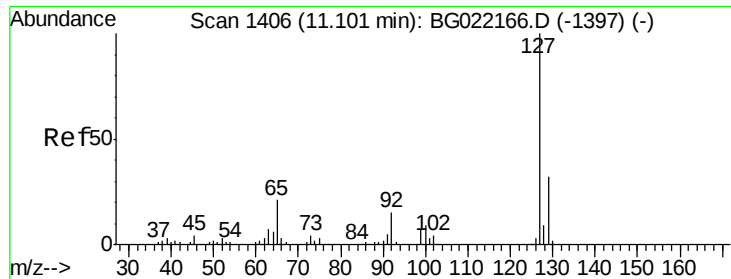


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

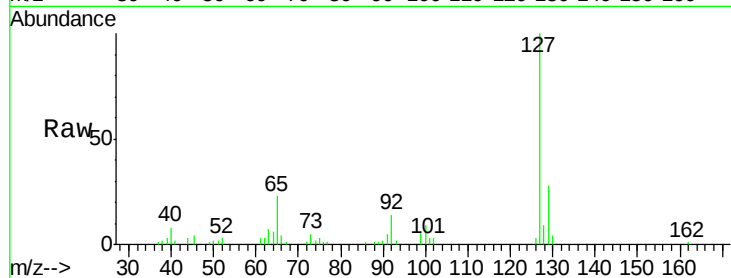




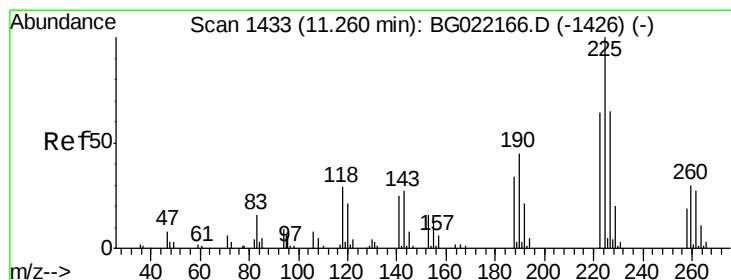
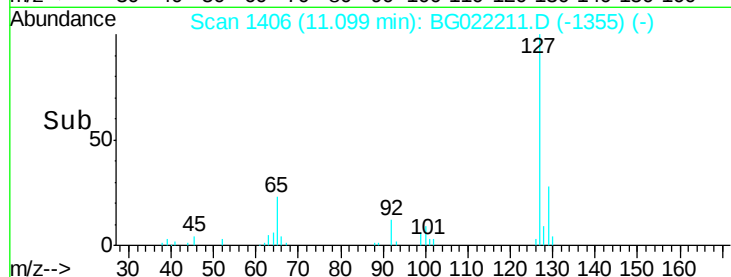
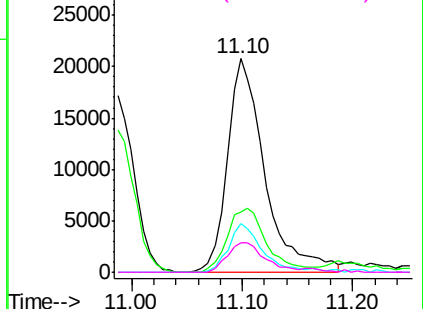
#33
4-Chloroaniline
Concen: 18.73 ng
RT: 11.10 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Instrument :
BNA_G
ClientSampleId :
PB91119BSD

Tgt Ion:127 Resp: 49383
Ion Ratio Lower Upper
127 100
129 27.9 26.6 39.8
65 22.9 27.5 41.3#
92 13.8 14.7 22.1#

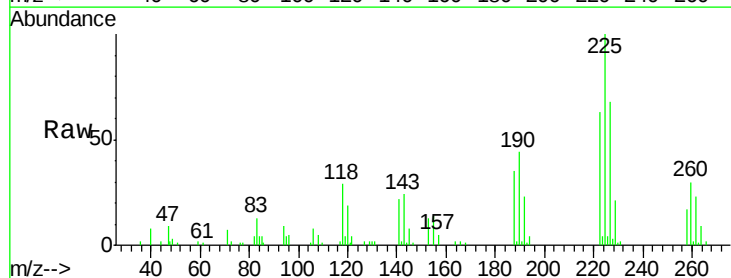


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

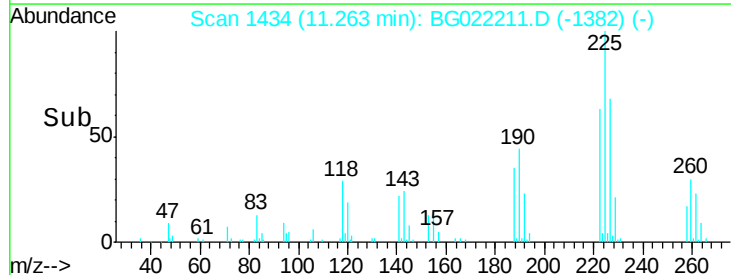
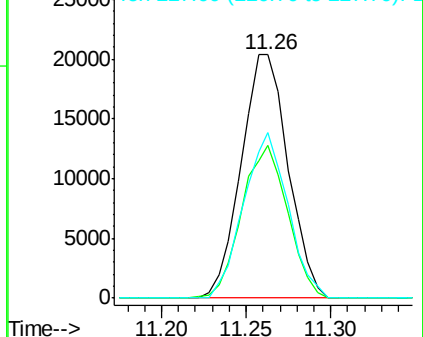


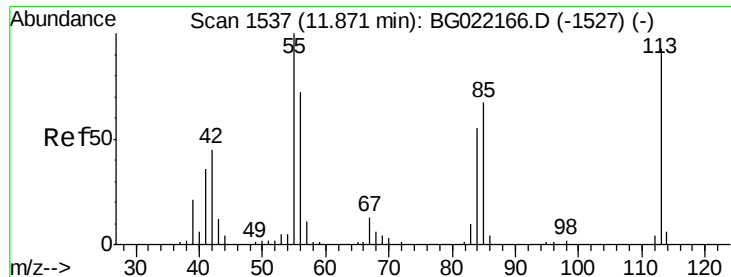
#34
Hexachlorobutadiene
Concen: 39.29 ng
RT: 11.26 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Tgt Ion:225 Resp: 39264
Ion Ratio Lower Upper
225 100
223 65.0 52.7 79.1
227 69.0 49.7 74.5



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 17.92 ng

RT: 11.87 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

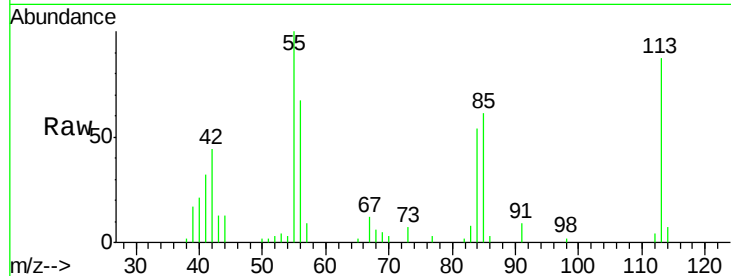
Tgt Ion:113 Resp: 16378

Ion Ratio Lower Upper

113 100

55 115.2 194.2 234.2#

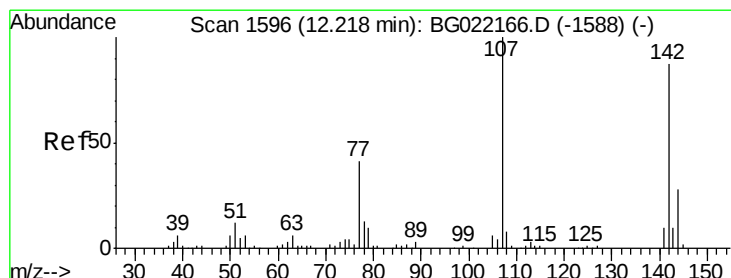
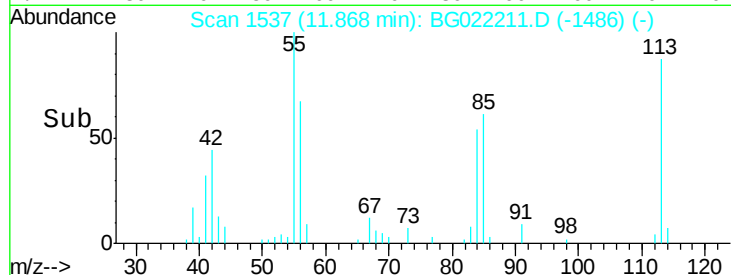
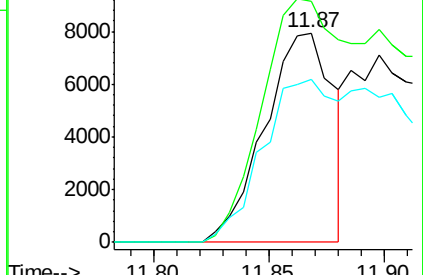
56 77.7 122.6 162.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 46.31 ng

RT: 12.21 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

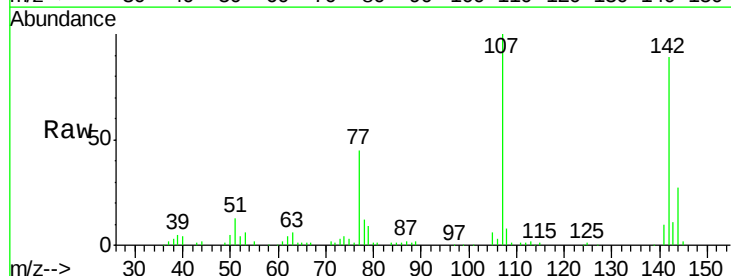
Tgt Ion:107 Resp: 91450

Ion Ratio Lower Upper

107 100

144 27.0 19.2 28.8

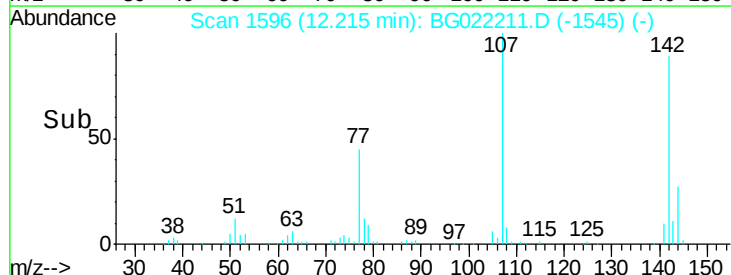
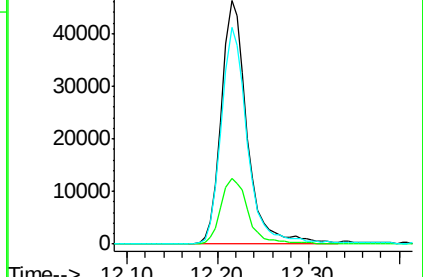
142 88.9 59.1 88.7#

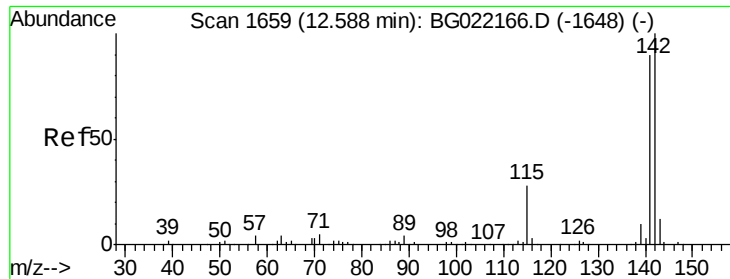


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

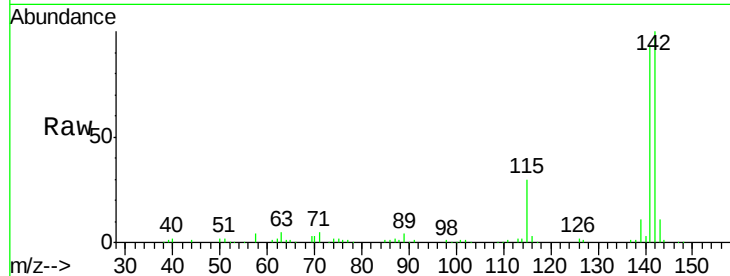




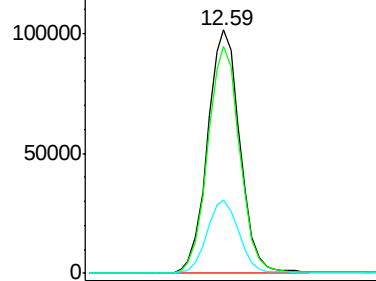
#37
2-Methylnaphthalene
Concen: 40.50 ng
RT: 12.59 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Instrument :
BNA_G
ClientSampleId :
PB91119BSD

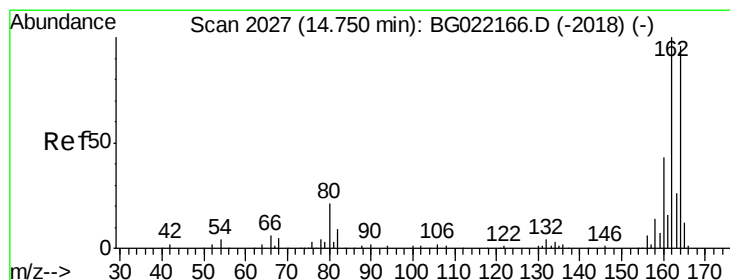
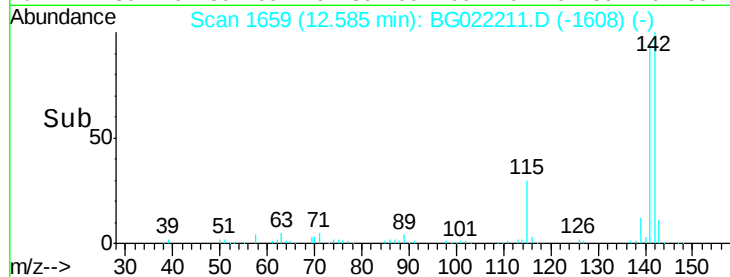
Tgt Ion:142 Resp: 189583
Ion Ratio Lower Upper
142 100
141 93.0 71.4 107.0
115 30.1 27.4 41.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

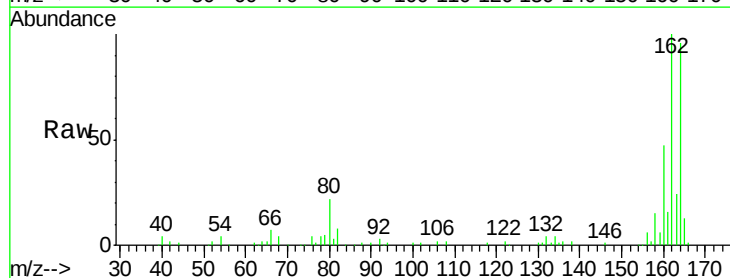


Time-->

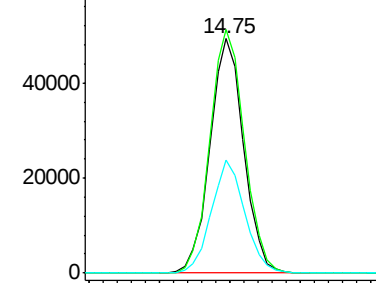


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

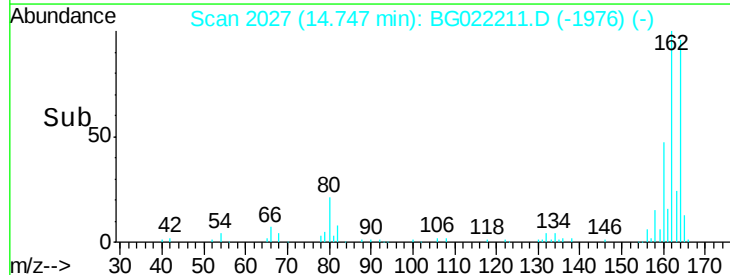
Tgt Ion:164 Resp: 81901
Ion Ratio Lower Upper
164 100
162 104.0 78.0 117.0
160 48.4 32.9 49.3

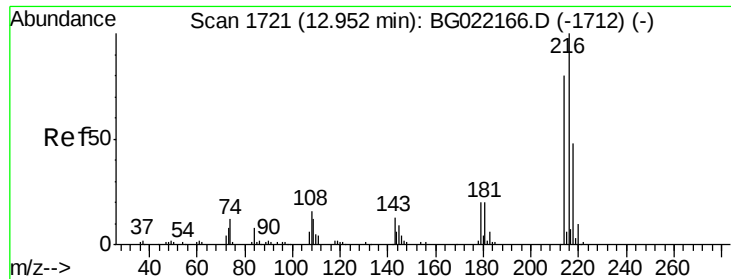


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

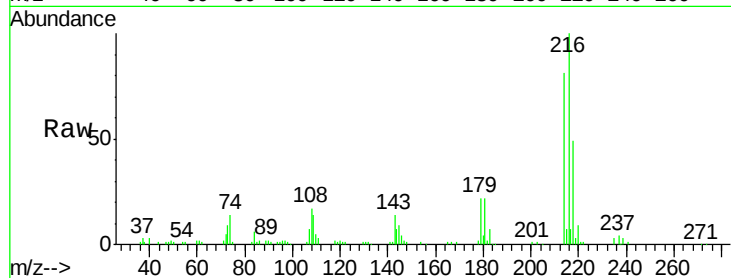




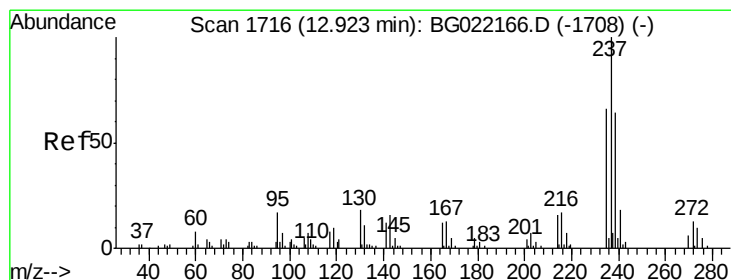
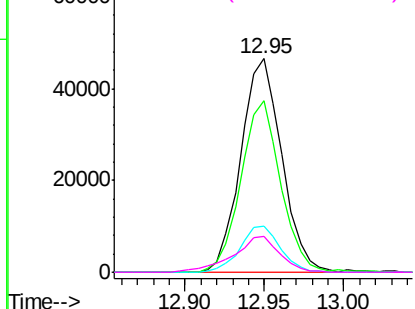
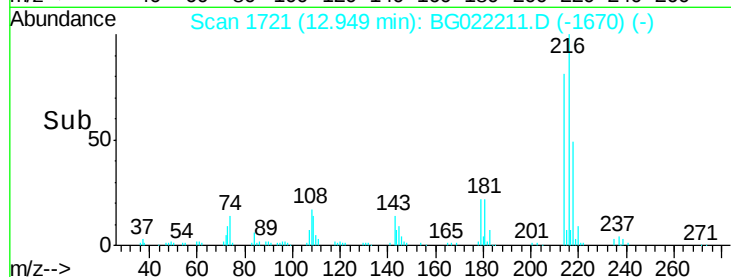
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.62 ng
 RT: 12.95 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

Tgt Ion:	216	Resp:	83521
Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.2	93.2
179	21.2	16.7	25.1
108	19.1	14.0	21.0

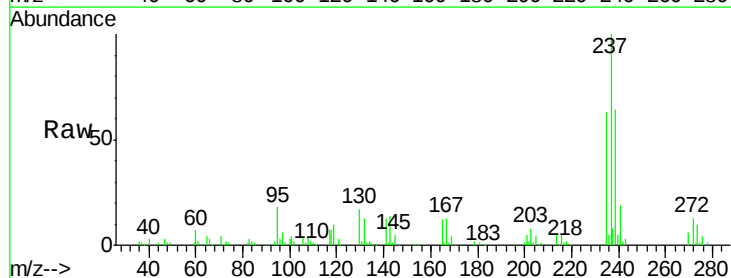


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

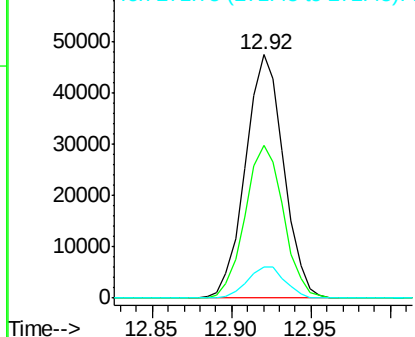
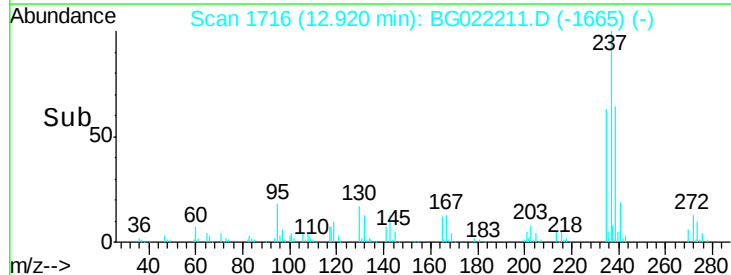


#40
 Hexachlorocyclopentadiene
 Concen: 74.13 ng
 RT: 12.92 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion:	237	Resp:	79245
Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.2	83.2
272	12.7	0.0	33.4



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

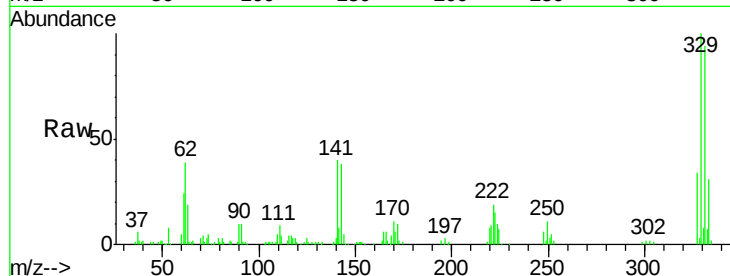




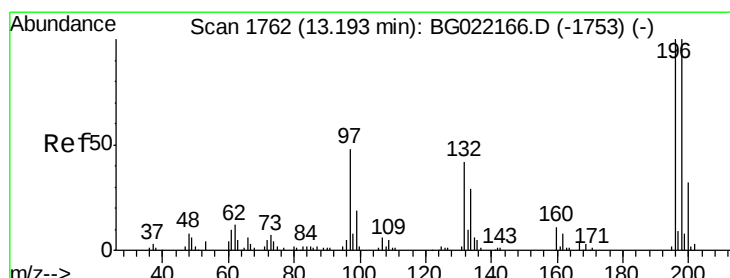
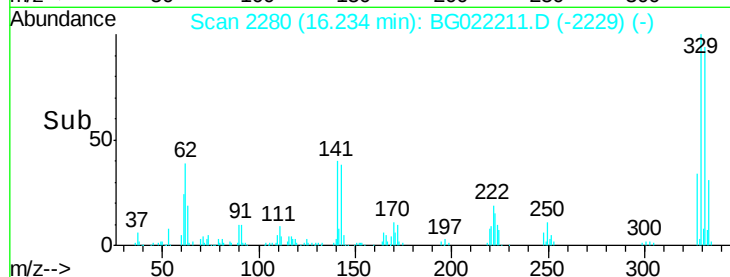
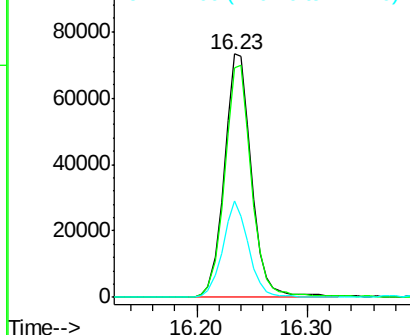
#41
 2,4,6-Tribromophenol
 Concen: 135.77 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

Tgt Ion:330 Resp: 125644
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.0 117.0
 141 37.8 33.8 50.8

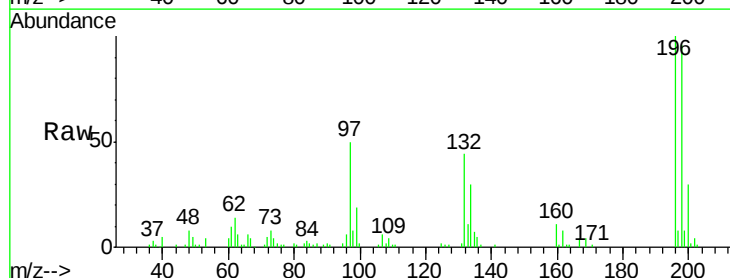


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

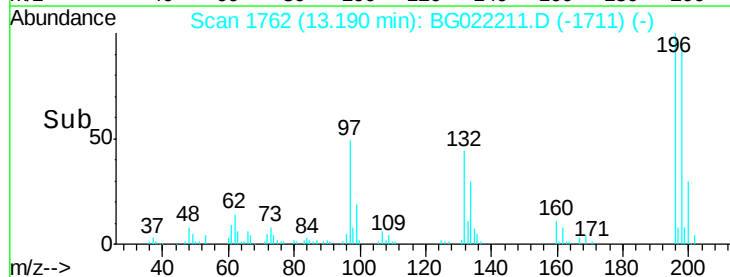
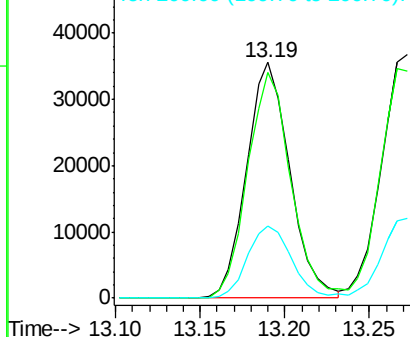


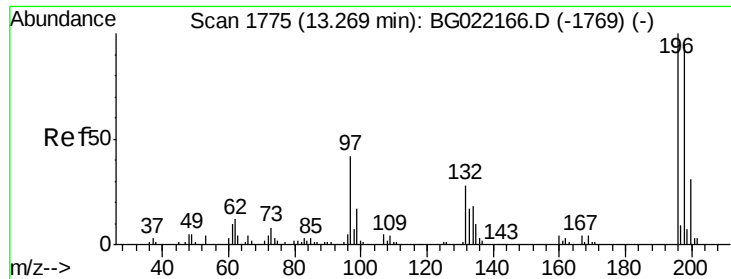
#42
 2,4,6-Trichlorophenol
 Concen: 44.91 ng
 RT: 13.19 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion:196 Resp: 63516
 Ion Ratio Lower Upper
 196 100
 198 95.8 80.1 120.1
 200 30.3 24.1 36.1



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

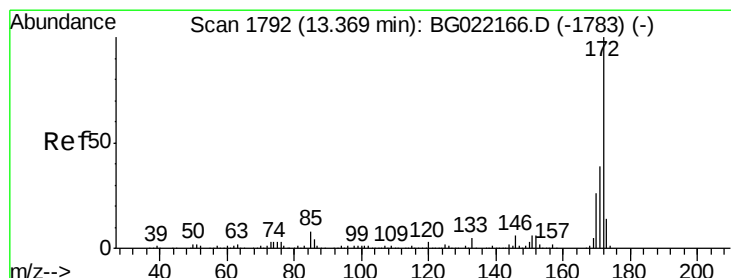
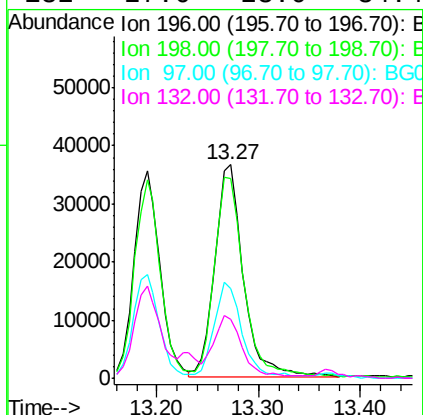
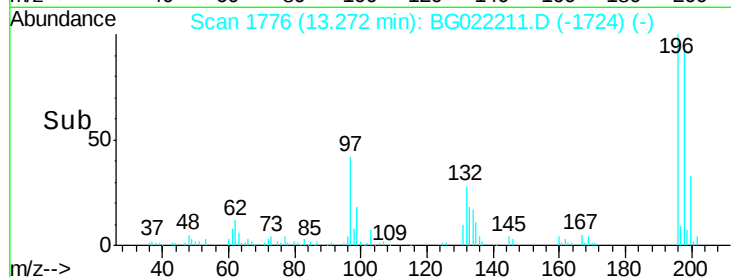
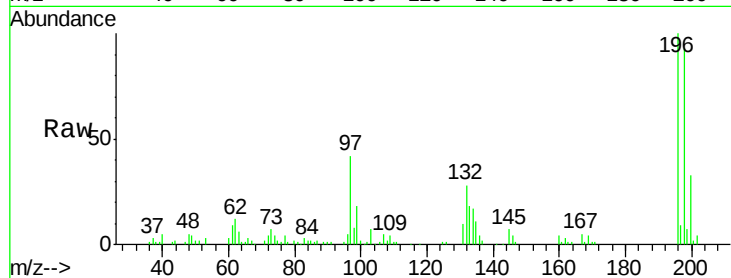




#43
 2,4,5-Trichlorophenol
 Concen: 45.92 ng
 RT: 13.27 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

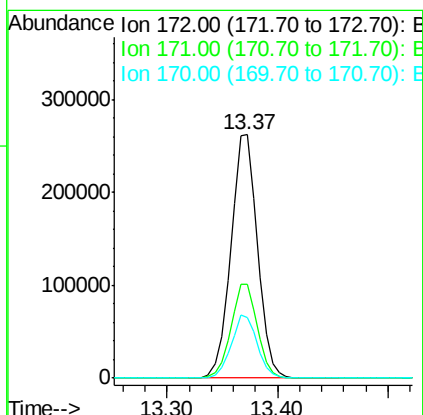
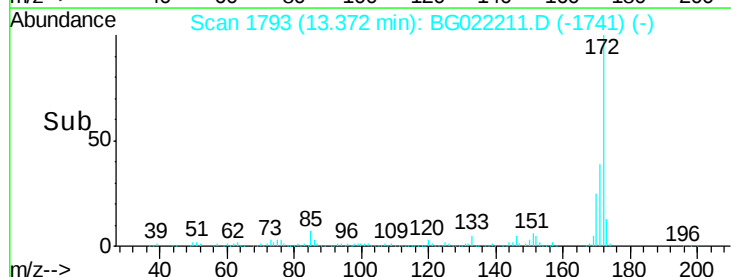
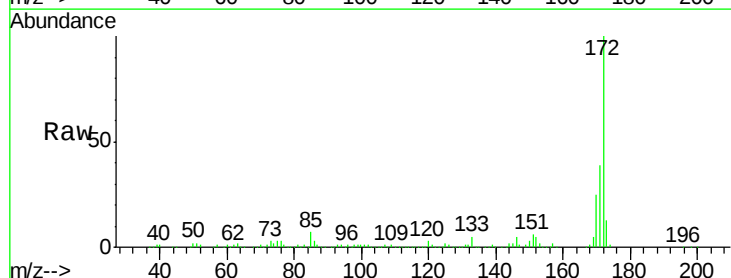
Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

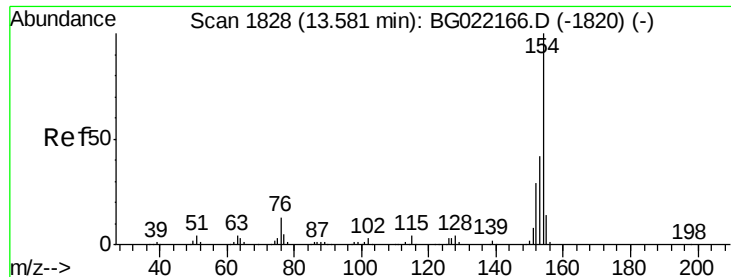
Tgt Ion:196 Resp: 71759
 Ion Ratio Lower Upper
 196 100
 198 93.2 78.0 117.0
 97 42.1 43.0 64.6#
 132 27.6 23.0 34.4



#44
 2-Fluorobiphenyl
 Concen: 82.68 ng
 RT: 13.37 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion:172 Resp: 444344
 Ion Ratio Lower Upper
 172 100
 171 38.6 27.8 41.6
 170 25.1 19.6 29.4

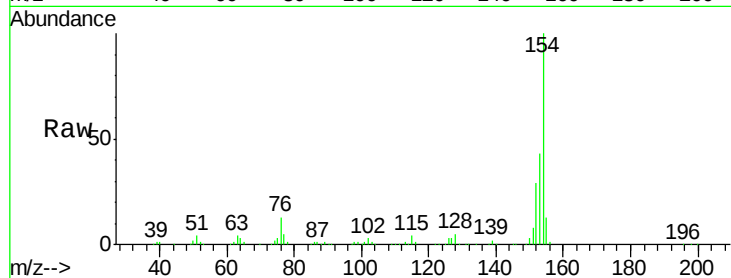




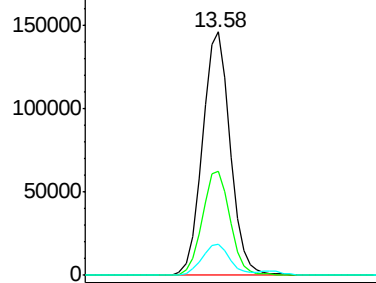
#45
1,1'-Biphenyl
Concen: 41.69 ng
RT: 13.58 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Instrument :
BNA_G
ClientSampleId :
PB91119BSD

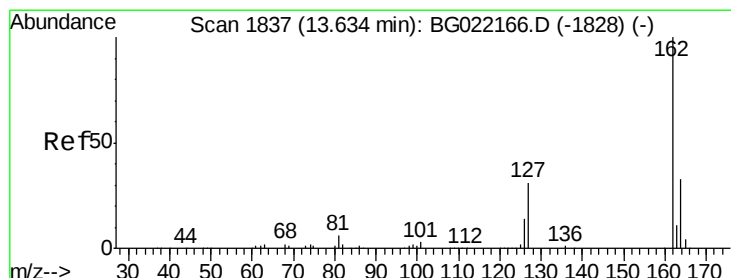
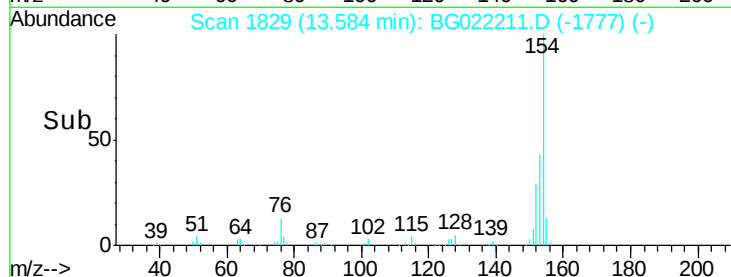
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	19.7	59.7
76	13.0	0.0	33.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): B

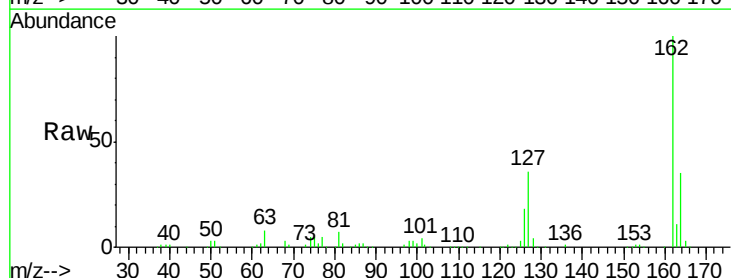


Time-->

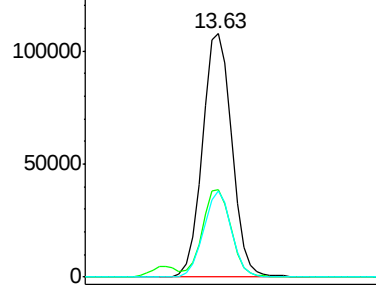


#46
2-Chloronaphthalene
Concen: 42.60 ng
RT: 13.63 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

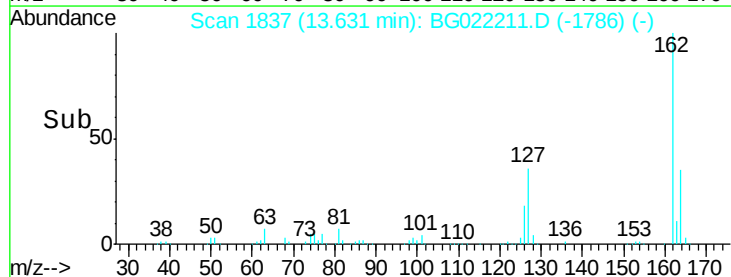
Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.0	32.0	48.0
164	35.2	27.0	40.4



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->





#47

2-Nitroaniline

Concen: 43.48 ng

RT: 13.84 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

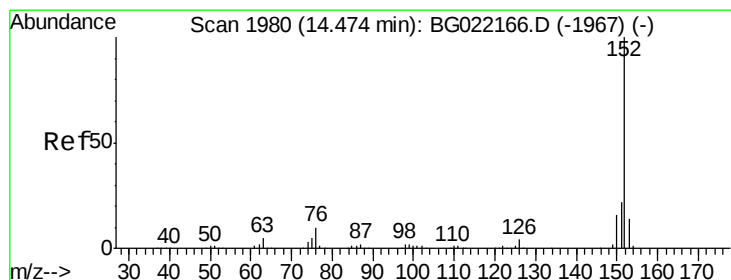
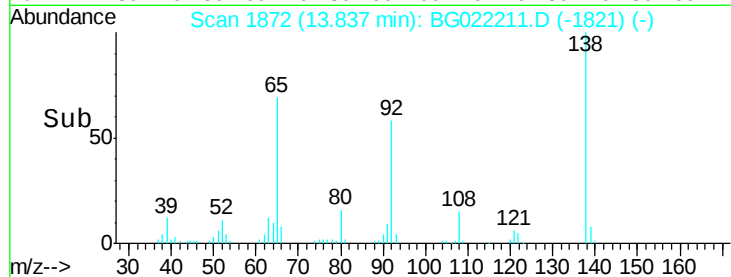
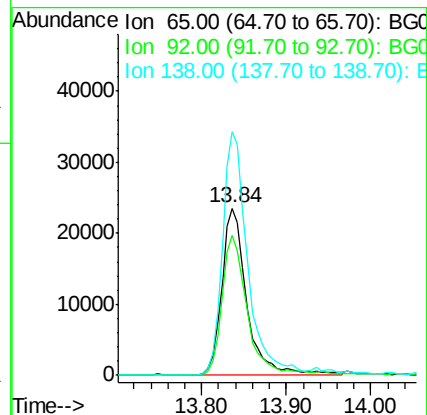
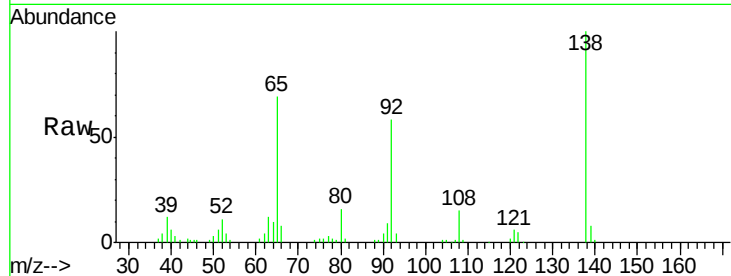
Tgt Ion: 65 Resp: 48985

Ion Ratio Lower Upper

65 100

92 84.0 49.2 73.8#

138 145.8 75.0 112.6#



#48

Acenaphthylene

Concen: 42.27 ng

RT: 14.47 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

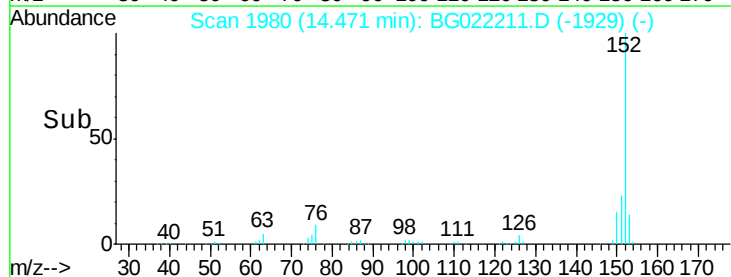
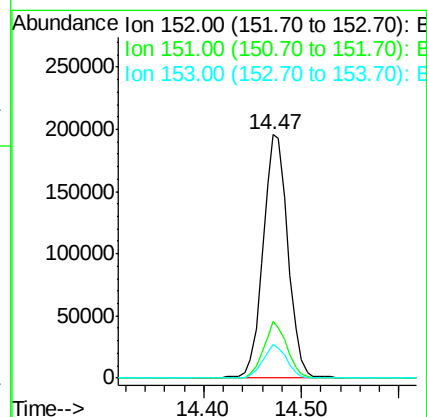
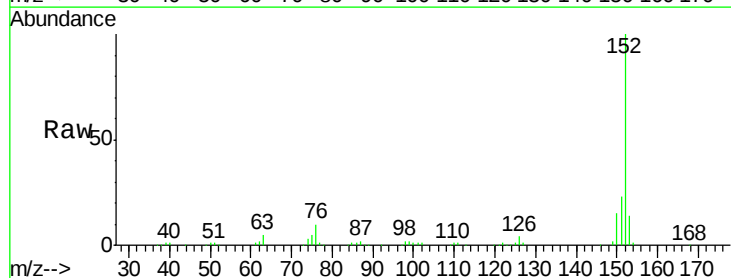
Tgt Ion: 152 Resp: 350427

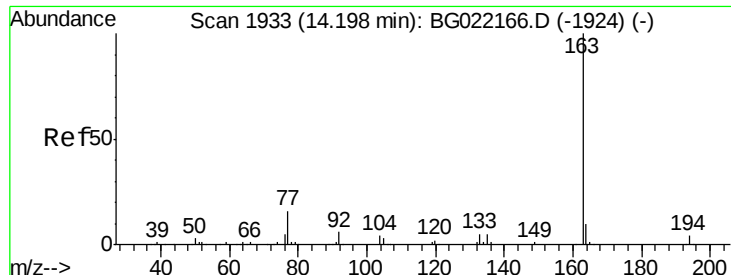
Ion Ratio Lower Upper

152 100

151 23.2 16.6 24.8

153 13.7 10.2 15.2





#49

Dimethylphthalate

Concen: 40.91 ng

RT: 14.19 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

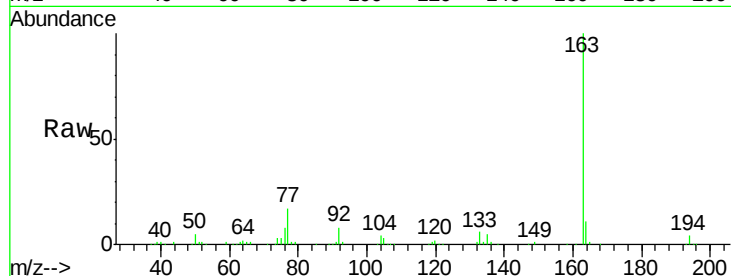
Tgt Ion:163 Resp: 277831

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

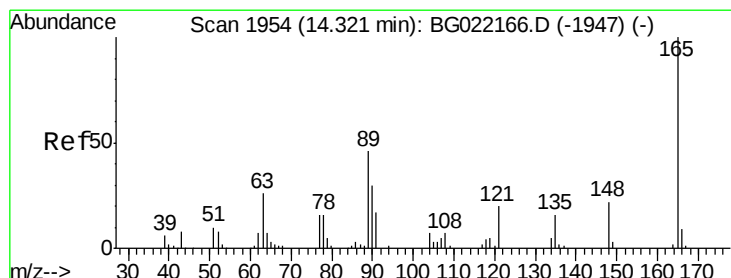
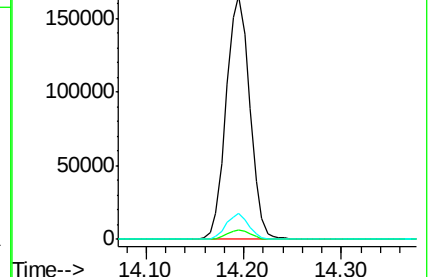
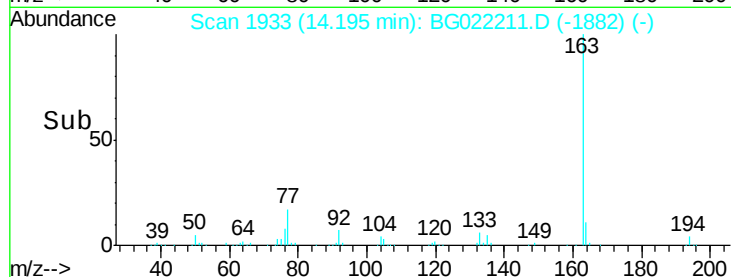
164 10.8 8.1 12.1



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: 43.10 ng

RT: 14.32 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

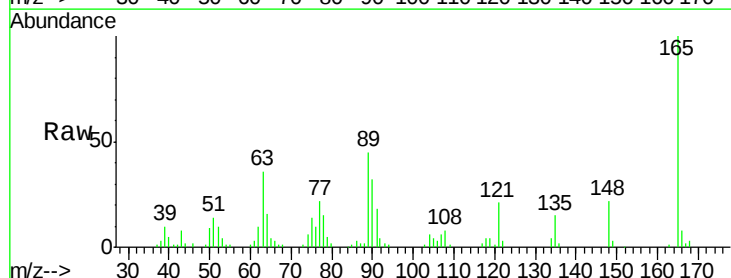
Tgt Ion:165 Resp: 63621

Ion Ratio Lower Upper

165 100

63 35.6 48.2 72.4#

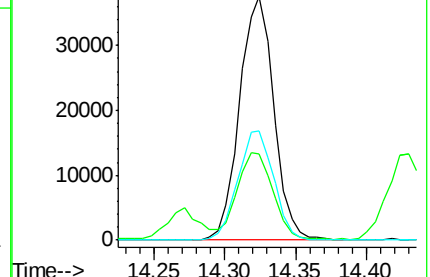
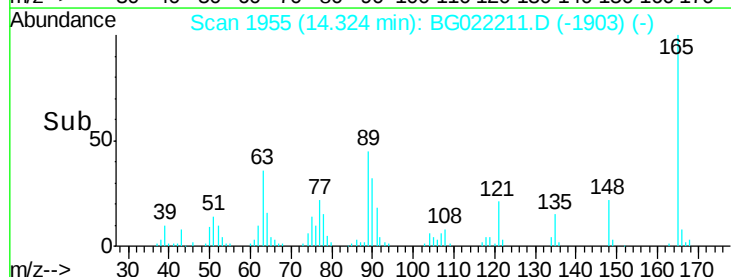
89 44.9 45.3 67.9#

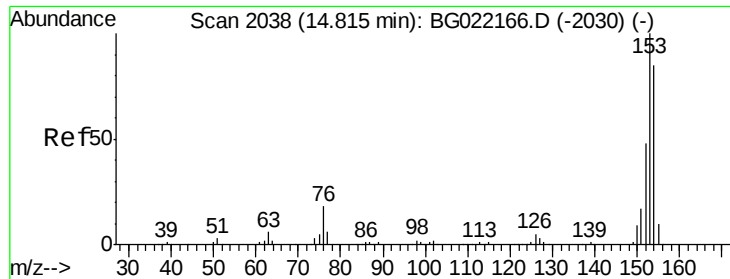


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 41.69 ng

RT: 14.81 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

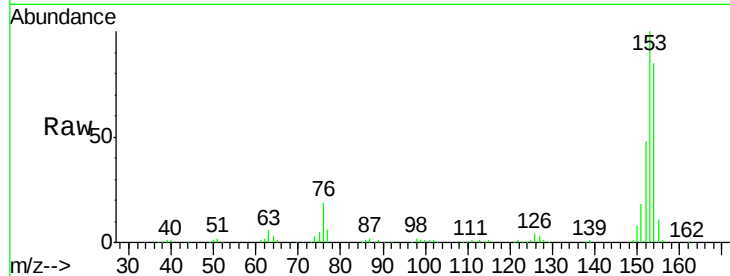
Tgt Ion:154 Resp: 207047

Ion Ratio Lower Upper

154 100

153 117.0 91.9 137.9

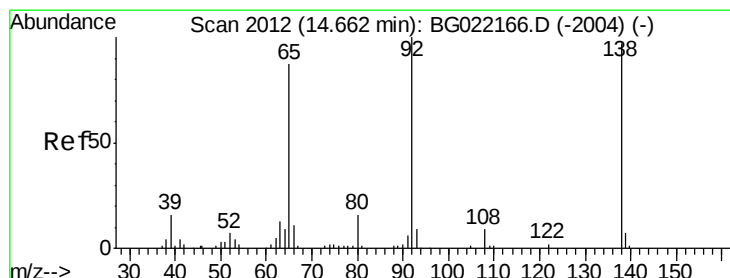
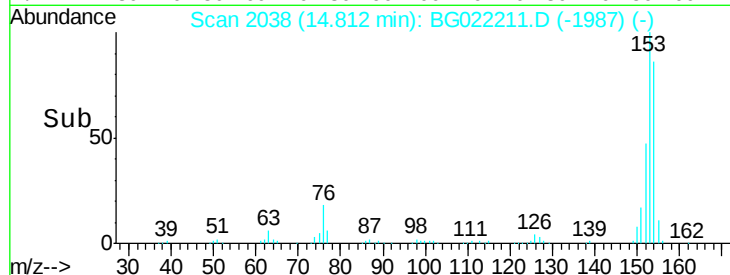
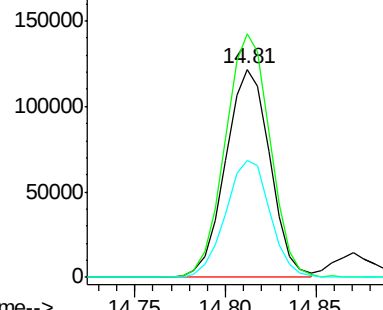
152 56.4 42.0 63.0



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: 24.75 ng

RT: 14.66 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

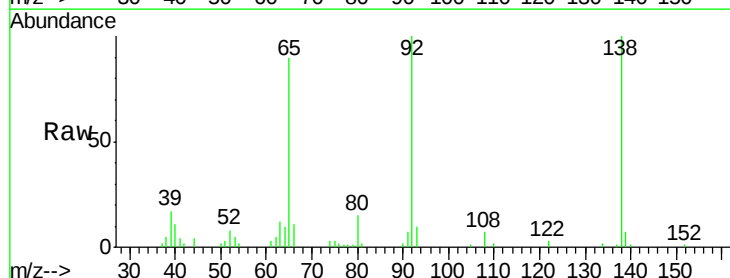
Tgt Ion:138 Resp: 40524

Ion Ratio Lower Upper

138 100

108 7.4 9.1 13.7#

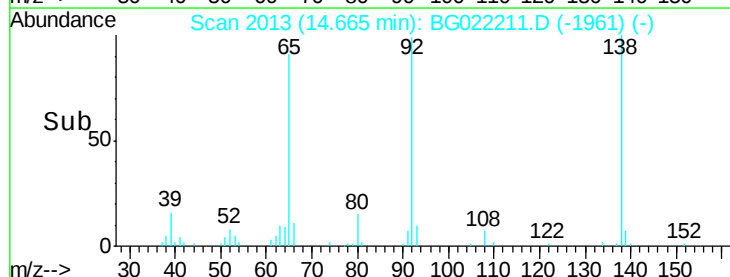
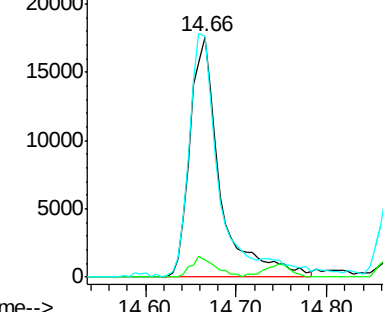
92 100.5 102.6 154.0#

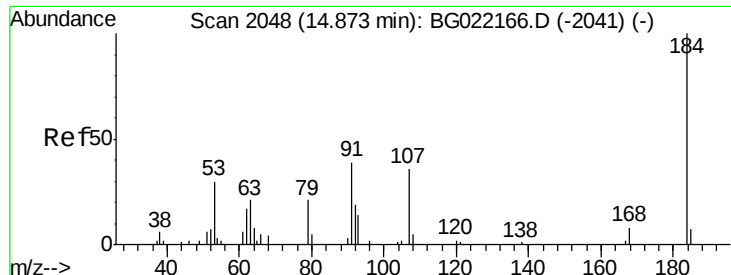


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGO

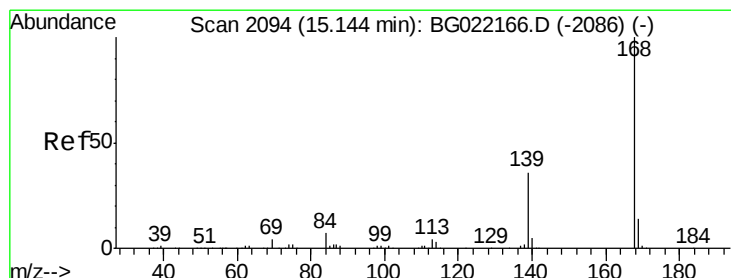
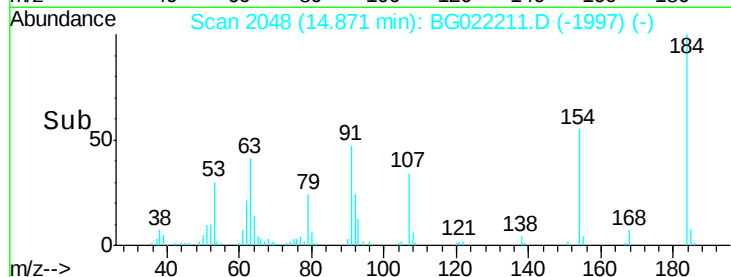
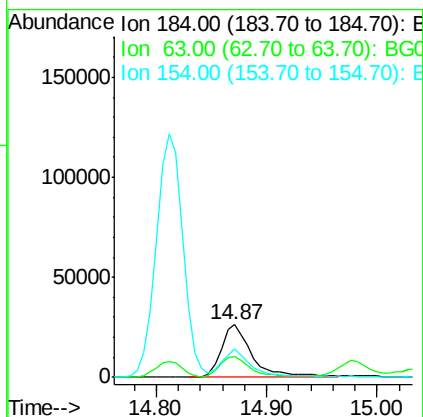
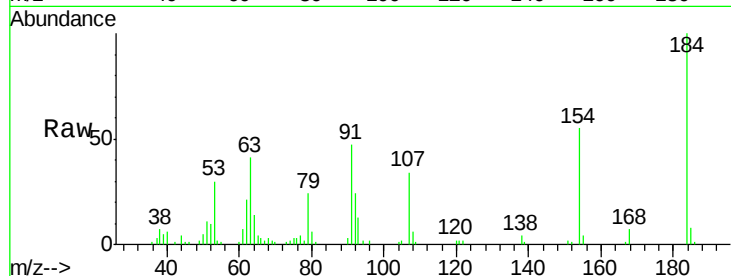




#53
 2,4-Dinitrophenol
 Concen: 85.02 ng
 RT: 14.87 min Scan# 2048
 Delta R.T. -0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

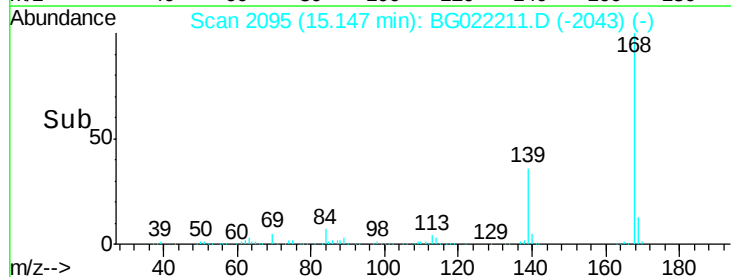
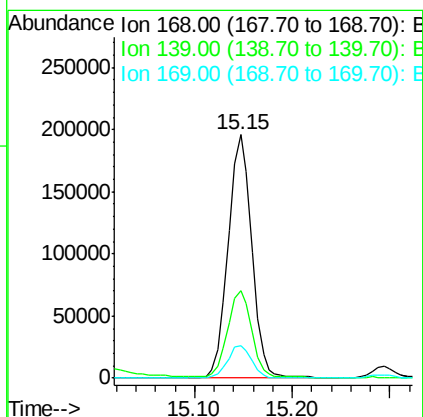
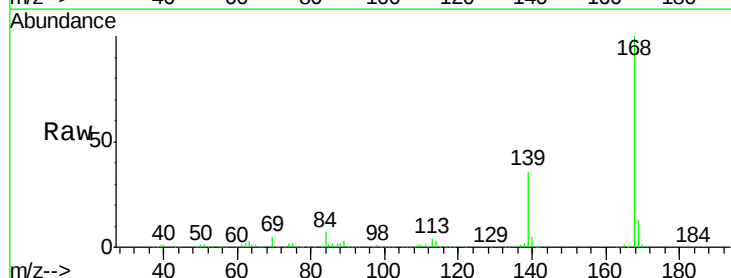
Instrument :
 BNA_G
 ClientSampleId :
 PB91119BSD

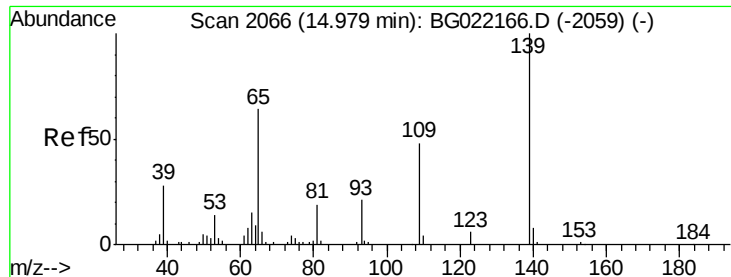
Tgt Ion:184 Resp: 51733
 Ion Ratio Lower Upper
 184 100
 63 41.1 57.3 85.9#
 154 54.9 55.2 82.8#



#54
 Dibenzofuran
 Concen: 42.56 ng
 RT: 15.15 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: BG022211.D
 Acq: 7 Jun 2016 19:27

Tgt Ion:168 Resp: 329879
 Ion Ratio Lower Upper
 168 100
 139 35.8 31.1 46.7
 169 13.5 11.0 16.6

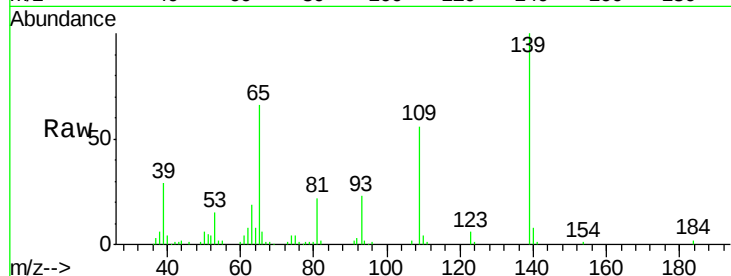




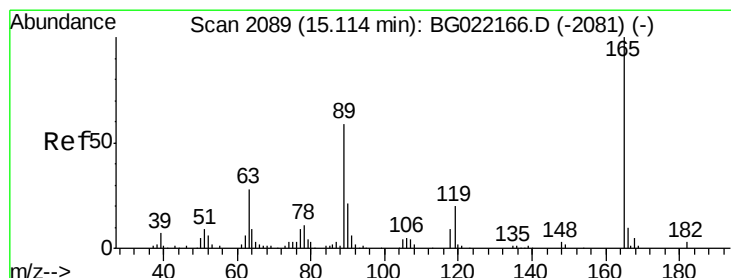
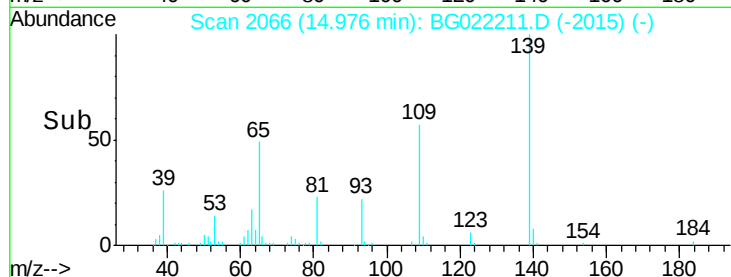
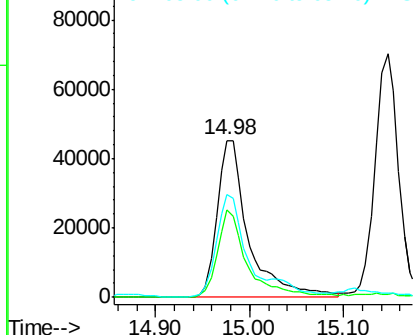
#55
4-Nitrophenol
Concen: 93.67 ng
RT: 14.98 min Scan# 2066
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Instrument :
BNA_G
ClientSampleId :
PB91119BSD

Tgt Ion:139 Resp: 105844
Ion Ratio Lower Upper
139 100
109 56.1 49.2 89.2
65 65.8 83.2 123.2#

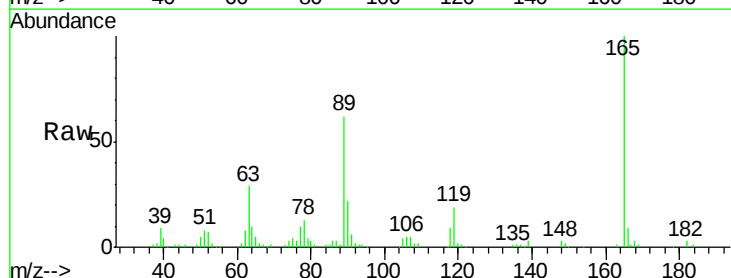


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

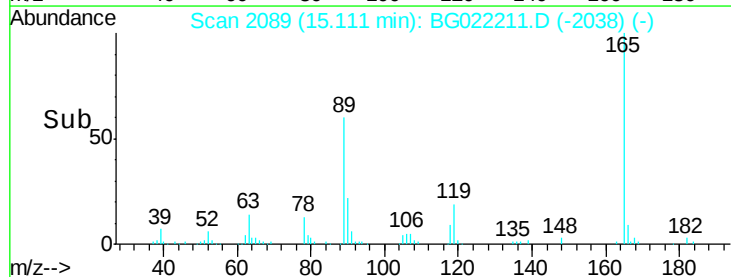
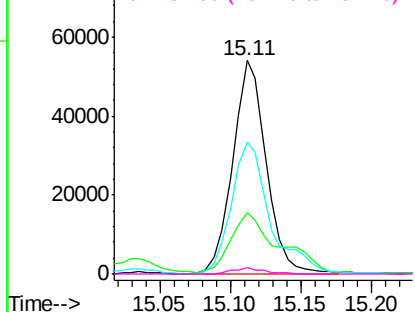


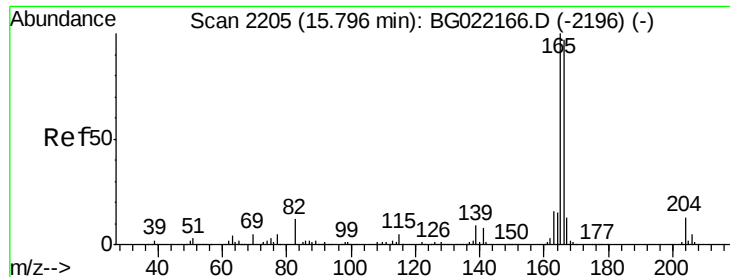
#56
2,4-Dinitrotoluene
Concen: 45.20 ng
RT: 15.11 min Scan# 2089
Delta R.T. -0.00 min
Lab File: BG022211.D
Acq: 7 Jun 2016 19:27

Tgt Ion:165 Resp: 89497
Ion Ratio Lower Upper
165 100
63 28.6 37.4 56.0#
89 61.8 59.4 89.0
182 2.9 2.1 3.1



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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 42.92 ng

RT: 15.79 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Instrument :

BNA_G

ClientSampleId :

PB91119BSD

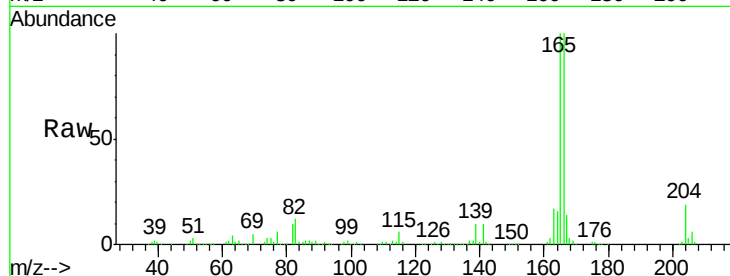
Tgt Ion:166 Resp: 286561

Ion Ratio Lower Upper

166 100

165 99.9 79.0 118.4

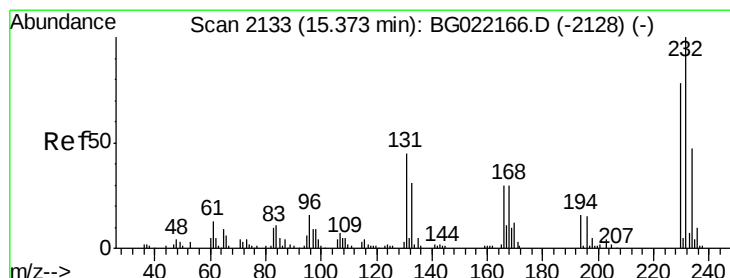
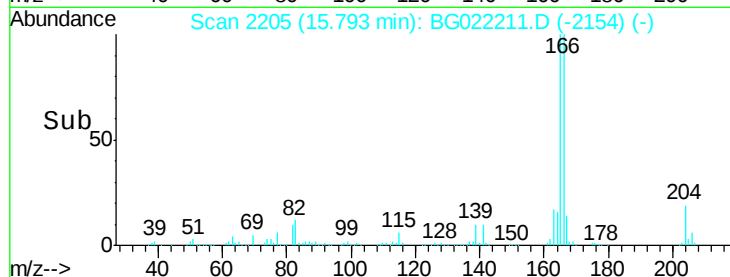
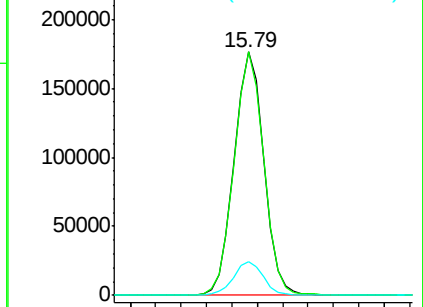
167 13.8 10.7 16.1



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: 42.00 ng

RT: 15.38 min Scan# 2134

Delta R.T. 0.00 min

Lab File: BG022211.D

Acq: 7 Jun 2016 19:27

Tgt Ion:232 Resp: 58864

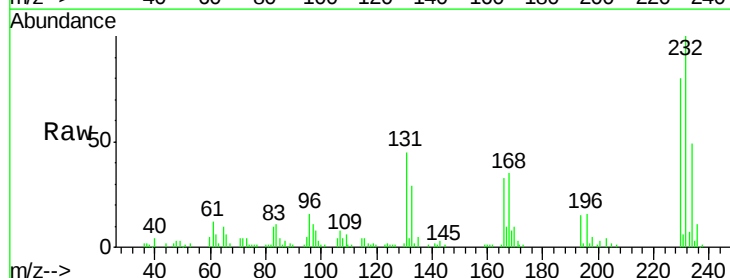
Ion Ratio Lower Upper

232 100

131 49.8 36.3 54.5

130 2.7 1.9 2.9

166 36.2 25.0 37.4



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

