

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071116\
 Data File : BG023014.D
 Acq On : 11 Jul 2016 23:58
 Operator : UM/SJ
 Sample : H3967-03MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

Quant Time: Jul 13 02:00:27 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	8.16	152	117191	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	552683	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	436320	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	939257	20.00	ng	0.00
75) Chrysene-d12	21.87	240	1012797	20.00	ng	0.02
86) Perylene-d12	25.25	264	1046093	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	474179	66.18	ng	0.00
7) Phenol-d6	7.31	99	500829	44.63	ng	0.00
23) Nitrobenzene-d5	9.33	82	1184625	91.78	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	824746	105.17	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	2314885	83.57	ng	0.00
78) Terphenyl-d14	20.17	244	2871606	93.34	ng	0.01

Target Compounds

						Qvalue
3) Pyridine	3.97	79	109943	11.54	ng	# 94
4) n-Nitrosodimethylamine	3.88	42	75210	18.39	ng	# 91
6) Aniline	7.47	93	351480	22.60	ng	99
8) 2-Chlorophenol	7.71	128	311697	40.88	ng	98
9) Benzaldehyde	7.29	77	454377	60.59	ng	# 1
10) Phenol	7.33	94	201793	17.48	ng	91
11) bis(2-Chloroethyl)ether	7.57	93	406775	44.45	ng	95
12) 1,3-Dichlorobenzene	8.04	146	315443	33.79	ng	98
13) 1,4-Dichlorobenzene	8.19	146	324935	34.77	ng	98
14) 1,2-Dichlorobenzene	8.51	146	330051	35.53	ng	93
15) Benzyl Alcohol	8.39	79	357555	34.79	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.68	45	498555	44.60	ng	99
17) 2-Methylphenol	8.60	107	272521	36.25	ng	93
18) Hexachloroethane	9.25	117	245188	62.16	ng	# 17
19) n-Nitroso-di-n-propylamine	8.96	70	454718	44.95	ng	97
20) 3+4-Methylphenols	8.93	107	338806	32.32	ng	97
22) Acetophenone	8.98	105	1077291	64.95	ng	# 92
24) Nitrobenzene	9.37	77	669403	48.81	ng	94
25) Isophorone	9.89	82	1182316	45.54	ng	97
26) 2-Nitrophenol	10.09	139	239920	44.58	ng	89
27) 2,4-Dimethylphenol	10.14	122	387833	41.69	ng	98
28) bis(2-Chloroethoxy)methane	10.37	93	652439	45.06	ng	99
29) 2,4-Dichlorophenol	10.63	162	452018	45.56	ng	98
30) 1,2,4-Trichlorobenzene	10.84	180	444031	39.05	ng	97
31) Naphthalene	11.03	128	2280360	81.05	ng	94
32) Benzoic acid	10.25	122	106319	12.56	ng	98
33) 4-Chloroaniline	11.14	127	274492	19.95	ng	95
34) Hexachlorobutadiene	11.31	225	318555	34.56	ng	97
36) 4-Chloro-3-methylphenol	12.26	107	549906	40.52	ng	96
37) 2-Methylnaphthalene	12.63	142	1262828	56.79	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	657109	34.95	ng	98
40) Hexachlorocyclopentadiene	12.97	237	690203	63.76	ng	97
42) 2,4,6-Trichlorophenol	13.24	196	468768	43.38	ng	99
43) 2,4,5-Trichlorophenol	13.31	196	487192	43.90	ng	95

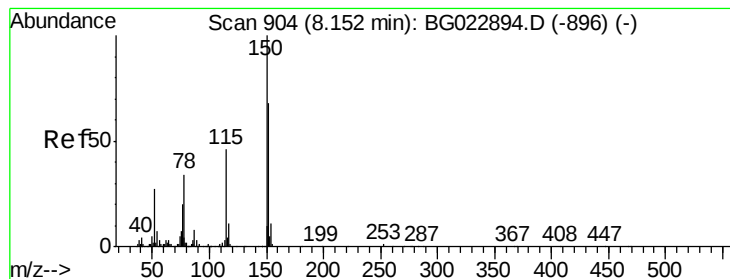
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071116\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	13.63	154	1423252	43.47	ng	96
46) 2-Chloronaphthalene	13.68	162	1172069	44.14	ng	94
47) 2-Nitroaniline	13.88	65	508856	44.91	ng	97
48) Acenaphthylene	14.52	152	1695309	42.56	ng	98
49) Dimethylphthalate	14.25	163	1632303	45.80	ng	# 95
50) 2,6-Dinitrotoluene	14.38	165	364949	45.56	ng	# 82
51) Acenaphthene	14.87	154	1162859	44.67	ng	99
52) 3-Nitroaniline	14.71	138	185397	23.21	ng	86
53) 2,4-Dinitrophenol	14.91	184	413475	75.23	ng	97
54) Dibenzofuran	15.20	168	1788038	45.89	ng	98
55) 4-Nitrophenol	15.02	139	202814	30.29	ng	94
56) 2,4-Dinitrotoluene	15.16	165	506981	43.42	ng	97
57) Fluorene	15.85	166	1462784	43.62	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.42	232	495041	44.58	ng	98
59) Diethylphthalate	15.61	149	1547377	42.67	ng	95
60) 4-Chlorophenyl-phenylether	15.83	204	853638	41.79	ng	99
61) 4-Nitroaniline	15.88	138	305516	35.35	ng	# 84
62) Azobenzene	16.13	77	1707968	49.24	ng	93
64) 4,6-Dinitro-2-methylphenol	15.93	198	306832	43.95	ng	94
65) n-Nitrosodiphenylamine	16.06	169	1361268	50.30	ng	98
66) 4-Bromophenyl-phenylether	16.73	248	566202	46.33	ng	99
67) Hexachlorobenzene	16.86	284	595824	44.84	ng	98
68) Atrazine	17.01	200	530461	44.19	ng	99
69) Pentachlorophenol	17.21	266	762803	88.65	ng	99
70) Phenanthrene	17.60	178	2190672	47.59	ng	95
71) Anthracene	17.70	178	2221125	47.65	ng	97
72) Carbazole	17.97	167	1929671	47.91	ng	98
73) Di-n-butylphthalate	18.51	149	2250880	50.25	ng	98
74) Fluoranthene	19.61	202	2452452	43.42	ng	95
77) Pyrene	19.97	202	2500376	43.93	ng	96
79) Butylbenzylphthalate	20.85	149	1152455	51.12	ng	96
80) Benzo(a)anthracene	21.85	228	2666171	47.05	ng	98
81) 3,3'-Dichlorobenzidine	21.76	252	471462	18.96	ng	# 99
82) Chrysene	21.92	228	2542908	47.84	ng	95
83) Bis(2-ethylhexyl)phthalate	21.73	149	1579520	50.46	ng	98
84) Di-n-octyl phthalate	22.99	149	2618497	50.16	ng	99
85) Indeno(1,2,3-cd)pyrene	29.13	276	3307918	48.81	ng	# 100
87) Benzo(b)fluoranthene	24.25	252	2767477	45.85	ng	98
88) Benzo(k)fluoranthene	24.25	252	2767477	48.32	ng	# 98
89) Benzo(a)pyrene	25.09	252	2819832	48.74	ng	# 95
90) Dibenzo(a,h)anthracene	29.20	278	2759897	48.06	ng	# 95
91) Benzo(g,h,i)perylene	30.35	276	2729403	47.46	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 905

Delta R.T. 0.00 min

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S22-0005MS

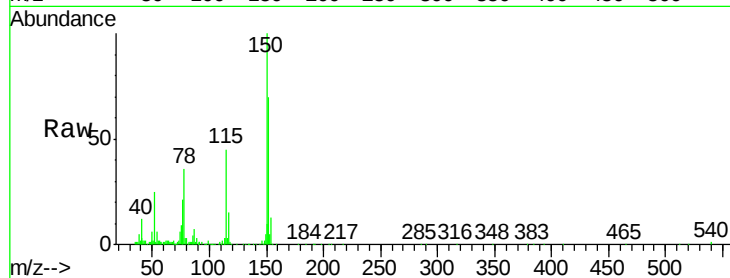
Tgt Ion:152 Resp: 117191

Ion Ratio Lower Upper

152 100

150 143.7 144.7 217.1#

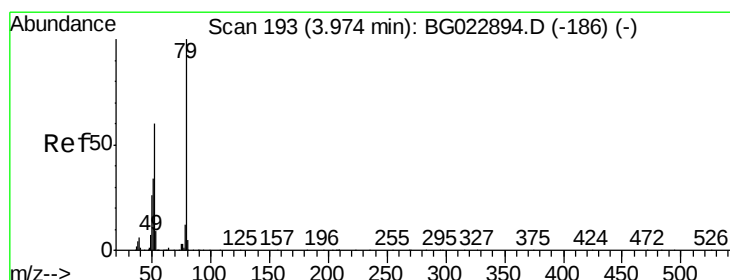
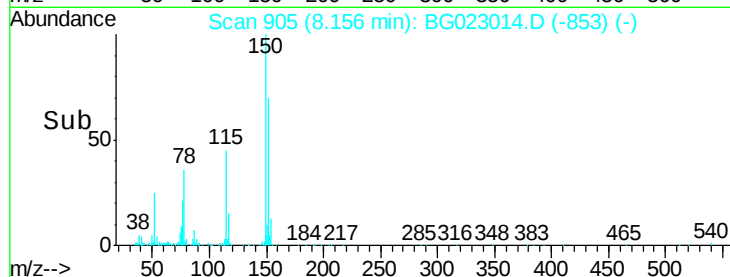
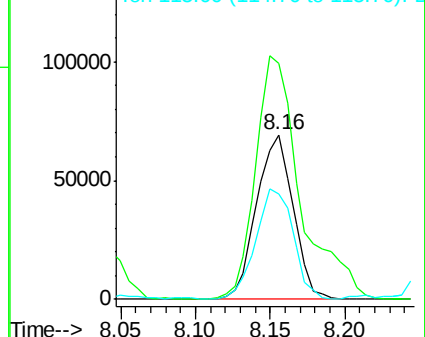
115 64.3 64.0 96.0



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



#3

Pyridine

Concen: 11.54 ng

RT: 3.97 min Scan# 193

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

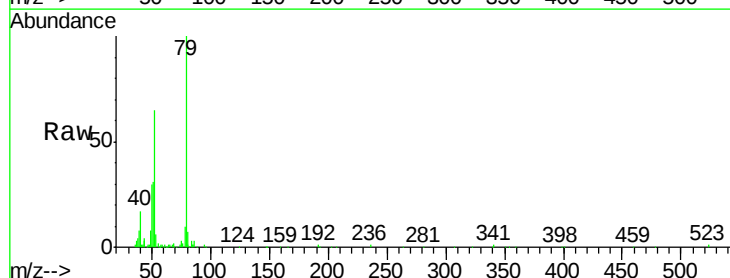
Tgt Ion: 79 Resp: 109943

Ion Ratio Lower Upper

79 100

52 64.5 51.8 77.8

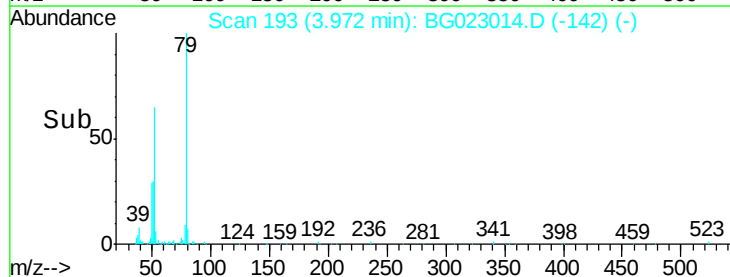
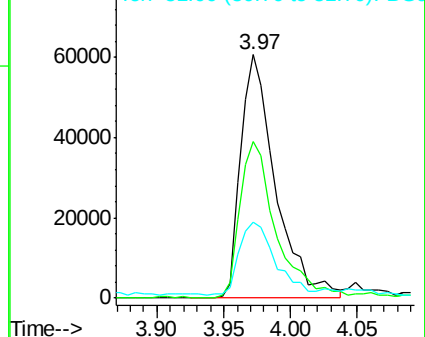
51 31.1 32.7 49.1#

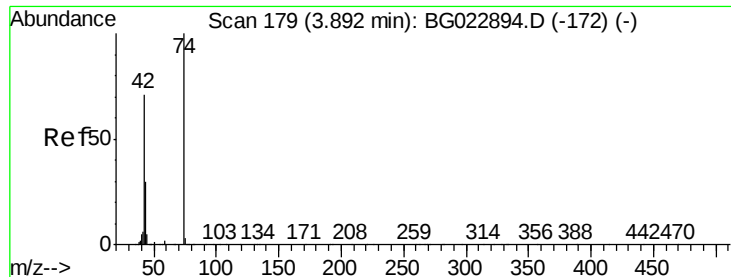


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#4

n-Nitrosodimethylamine

Concen: 18.39 ng

RT: 3.88 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

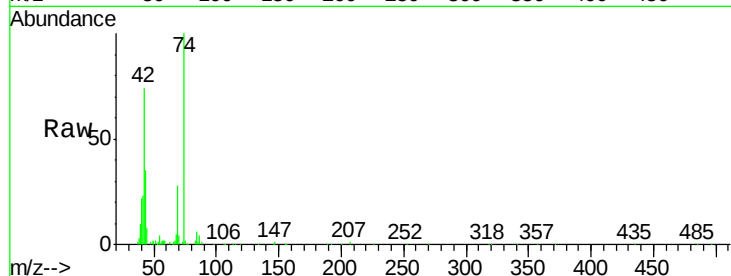
Tgt Ion: 42 Resp: 75210

Ion Ratio Lower Upper

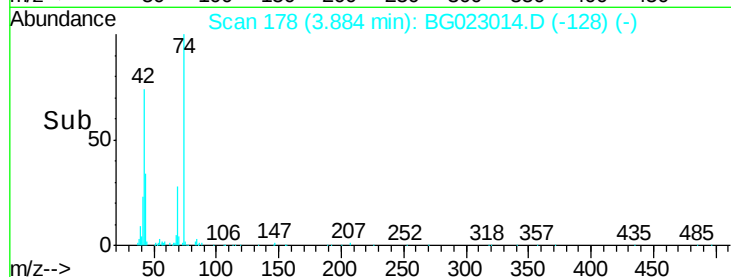
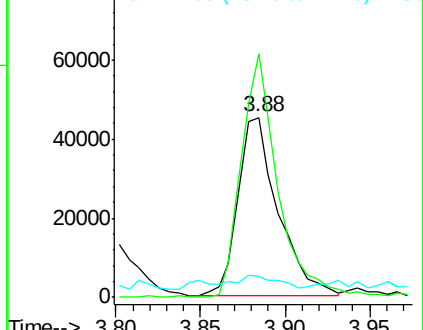
42 100

74 135.2 100.6 150.8

44 11.3 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: 66.18 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

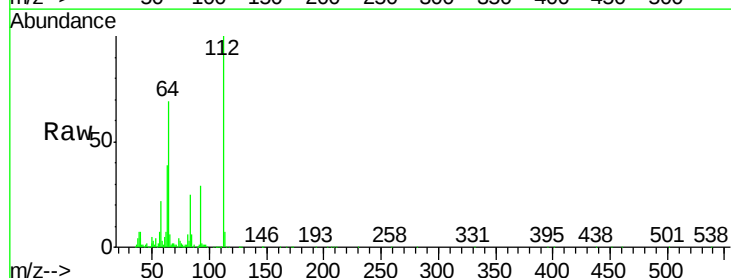
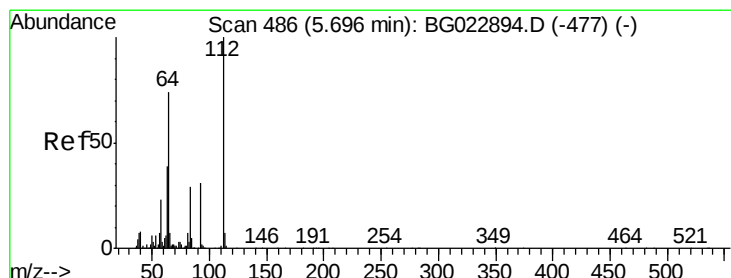
Tgt Ion: 112 Resp: 474179

Ion Ratio Lower Upper

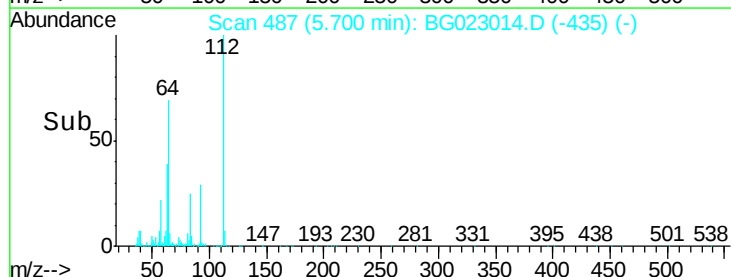
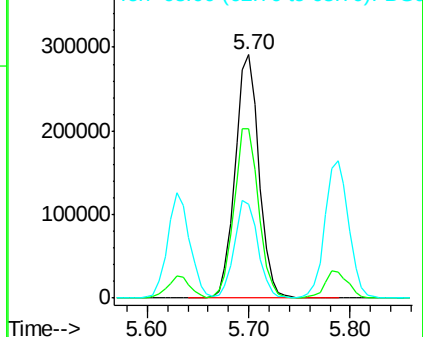
112 100

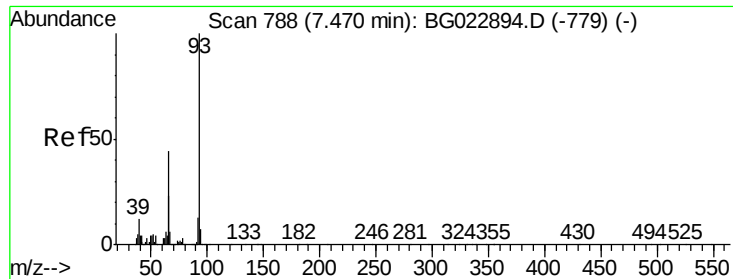
64 69.5 59.0 88.4

63 38.8 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: 22.60 ng

RT: 7.47 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

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ClientSampleId :

S22-0005MS

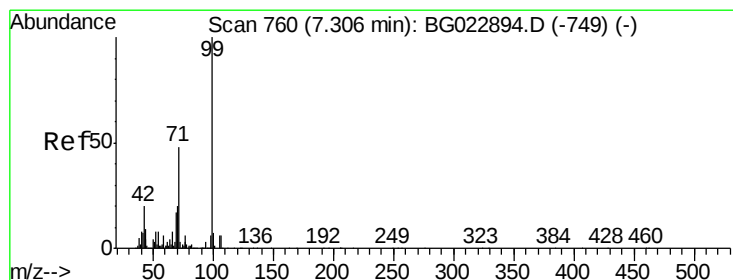
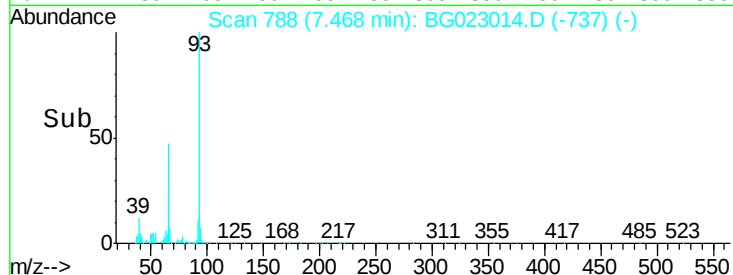
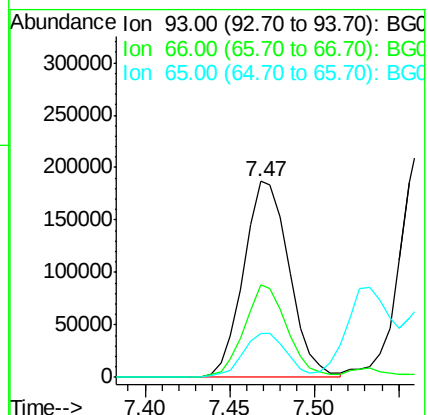
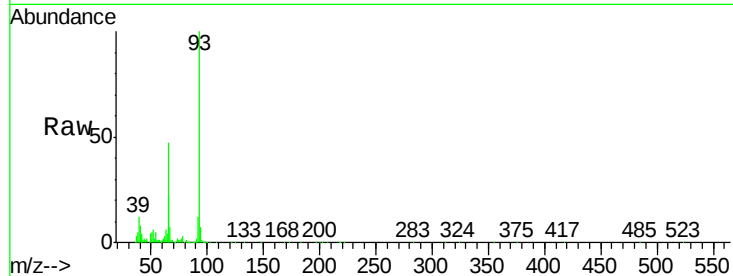
Tgt Ion: 93 Resp: 351480

Ion Ratio Lower Upper

93 100

66 47.3 37.5 56.3

65 22.2 17.9 26.9



#7

Phenol-d6

Concen: 44.63 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

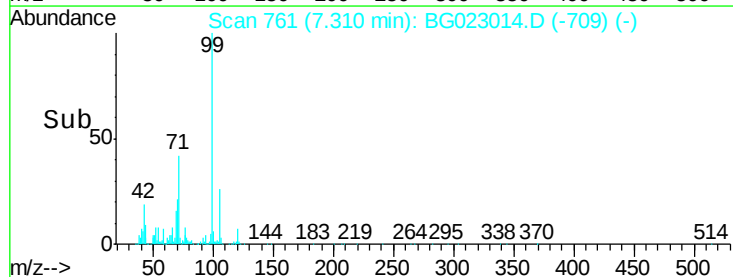
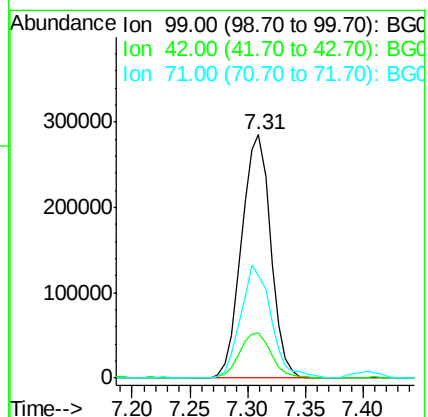
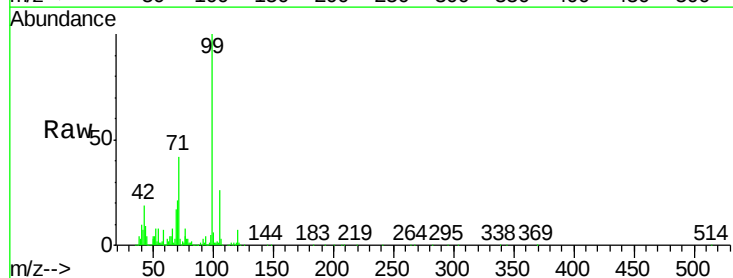
Tgt Ion: 99 Resp: 500829

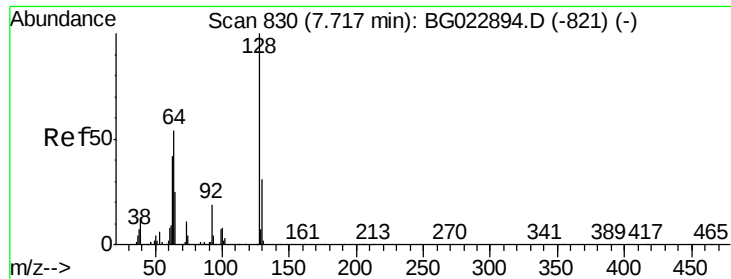
Ion Ratio Lower Upper

99 100

42 18.8 17.8 26.6

71 42.4 41.5 62.3





#8

2-Chlorophenol

Concen: 40.88 ng

RT: 7.71 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

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ClientSampleId :

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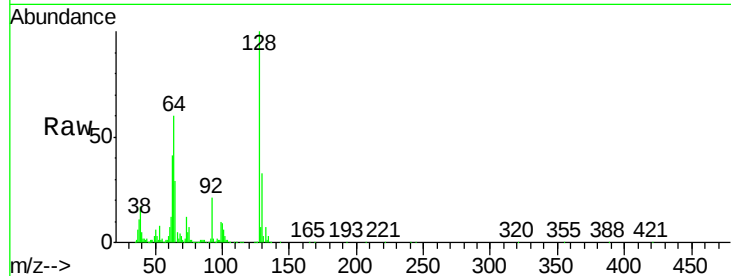
Tgt Ion:128 Resp: 311697

Ion Ratio Lower Upper

128 100

130 32.6 12.9 52.9

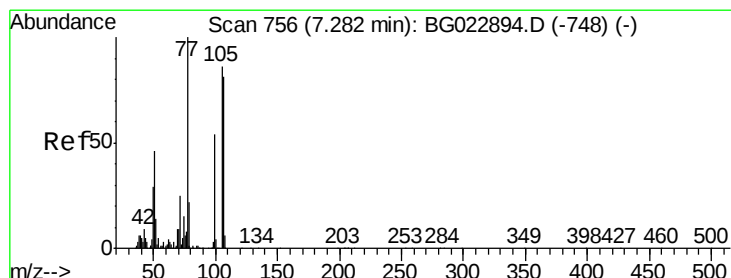
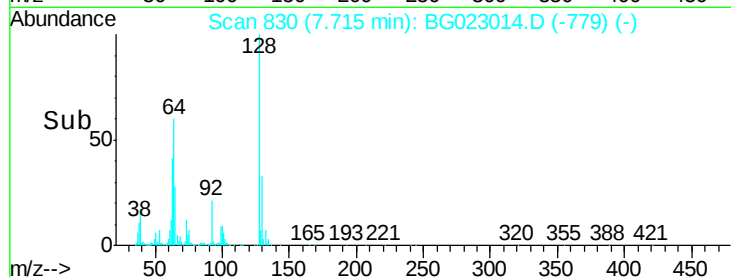
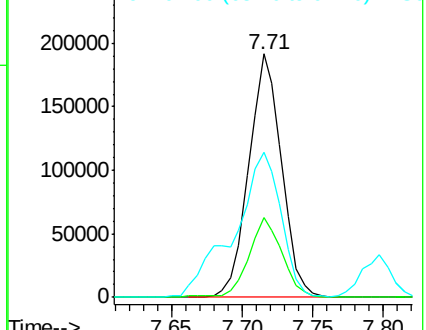
64 59.5 42.0 82.0



Abundance Ion 128.00 (127.70 to 128.70): B

Ion 130.00 (129.70 to 130.70): B

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 60.59 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

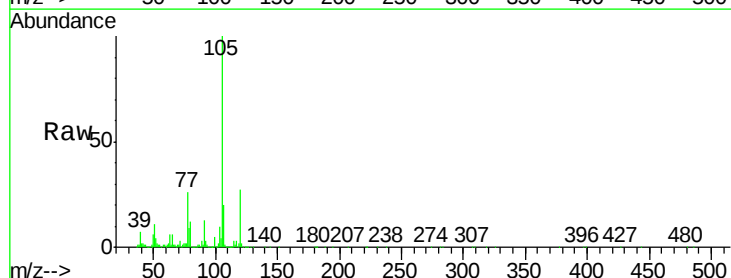
Tgt Ion: 77 Resp: 454377

Ion Ratio Lower Upper

77 100

105 388.3 58.7 98.7#

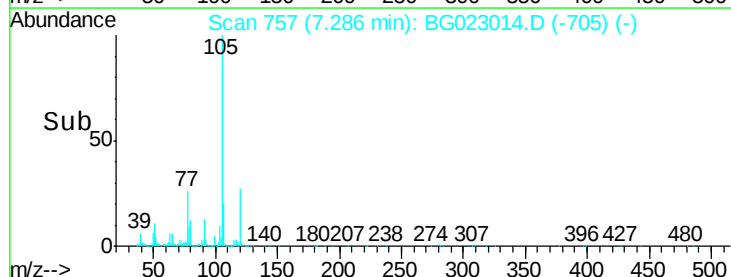
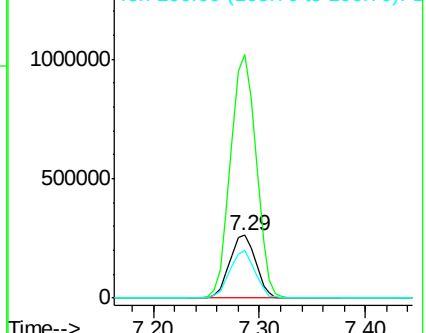
106 76.1 67.5 107.5

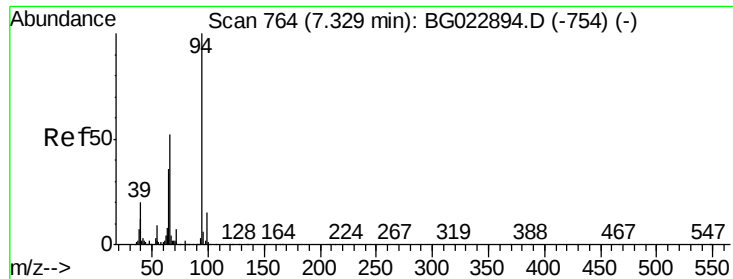


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 17.48 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

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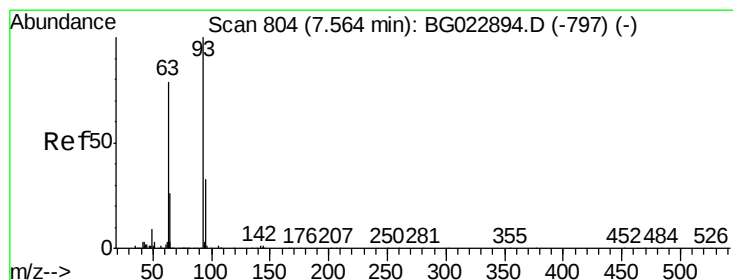
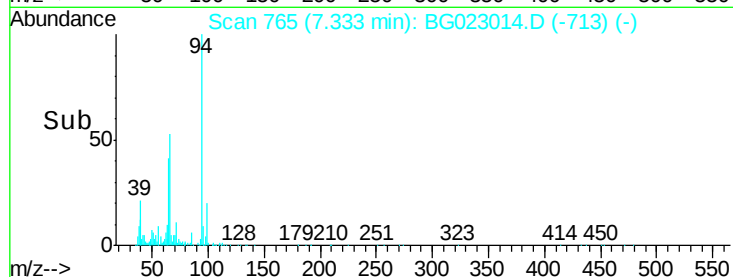
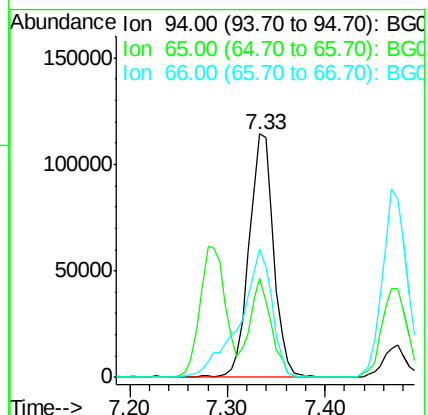
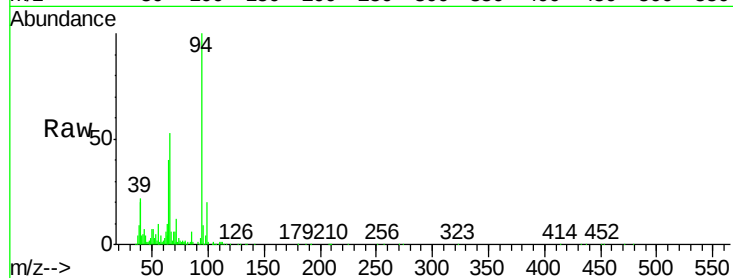
Tgt Ion: 94 Resp: 201793

Ion Ratio Lower Upper

94 100

65 40.4 18.1 58.1

66 53.0 42.1 82.1



#11

bis(2-Chloroethyl)ether

Concen: 44.45 ng

RT: 7.57 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

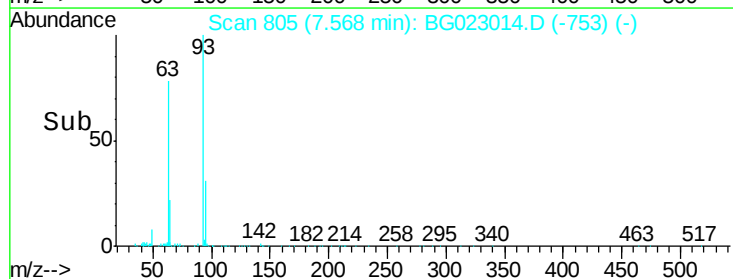
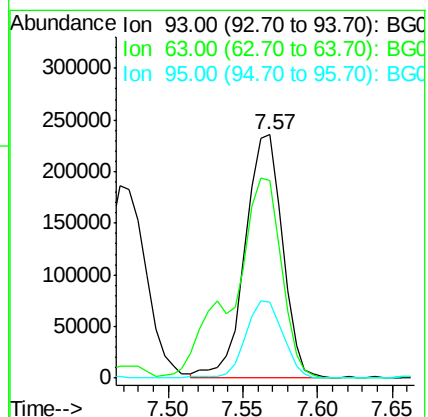
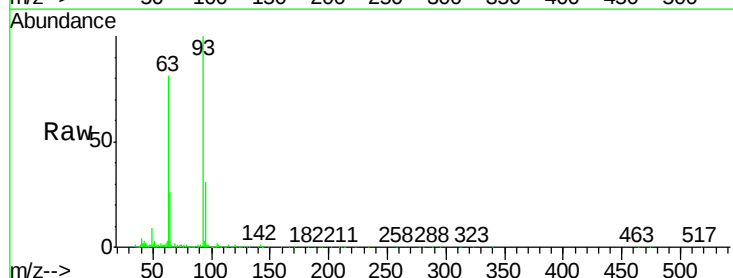
Tgt Ion: 93 Resp: 406775

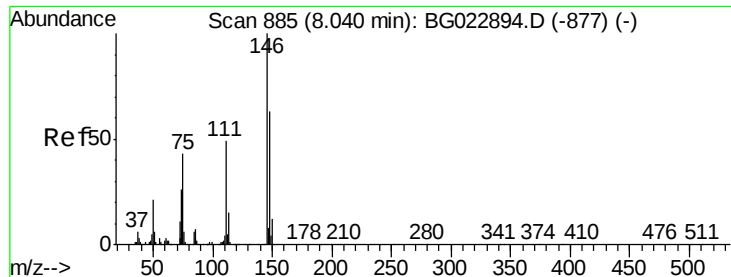
Ion Ratio Lower Upper

93 100

63 81.4 55.0 95.0

95 31.1 11.0 51.0





#12

1,3-Dichlorobenzene

Concen: 33.79 ng

RT: 8.04 min Scan# 885

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

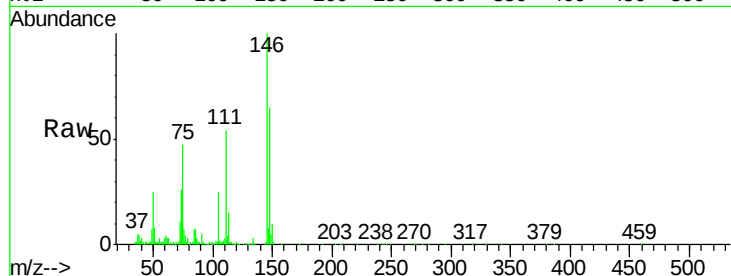
Tgt Ion:146 Resp: 315443

Ion Ratio Lower Upper

146 100

148 64.7 50.3 75.5

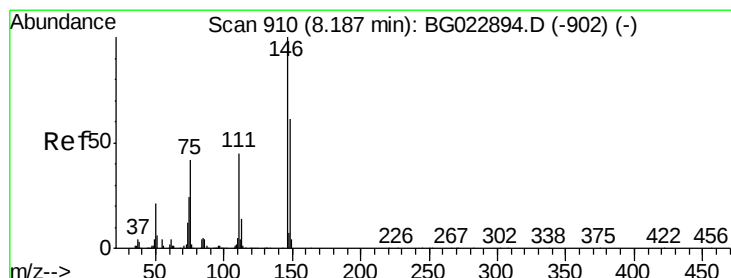
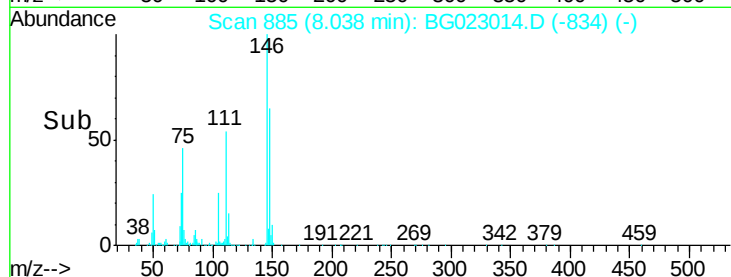
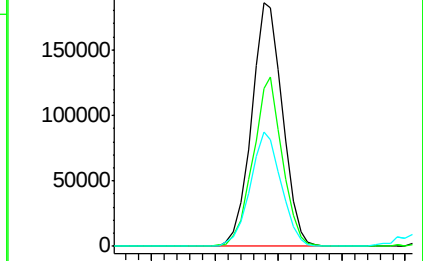
75 46.8 37.0 55.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 34.77 ng

RT: 8.19 min Scan# 911

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

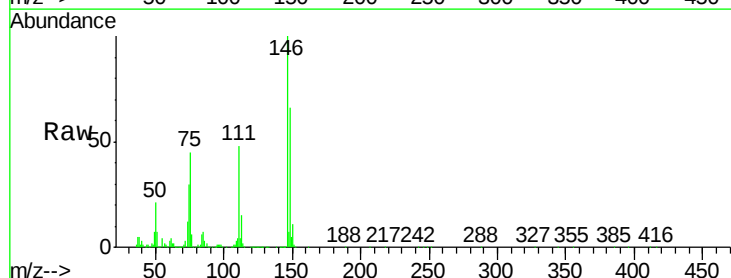
Tgt Ion:146 Resp: 324935

Ion Ratio Lower Upper

146 100

148 65.8 54.5 81.7

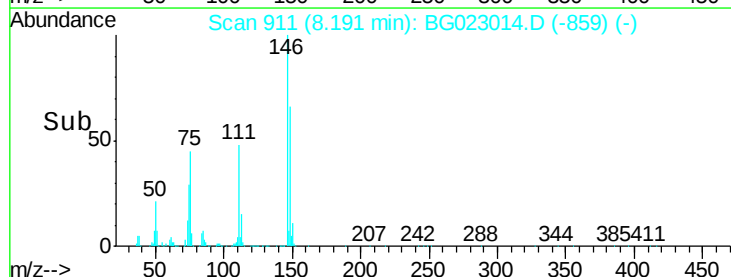
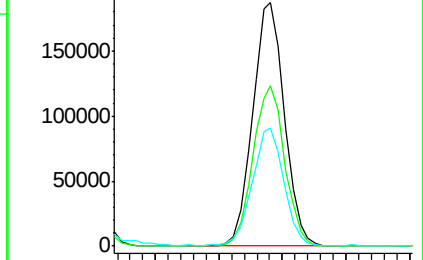
111 48.4 37.8 56.8

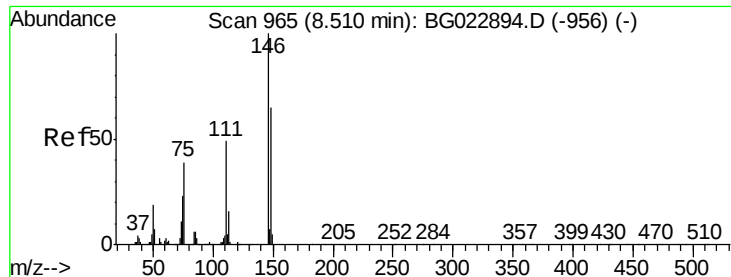


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 35.53 ng

RT: 8.51 min Scan# 966

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

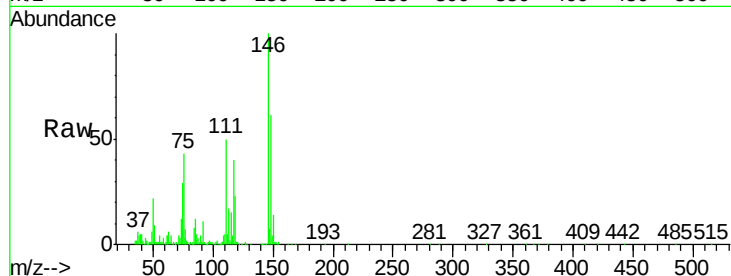
Tgt Ion:146 Resp: 330051

Ion Ratio Lower Upper

146 100

148 60.7 52.9 79.3

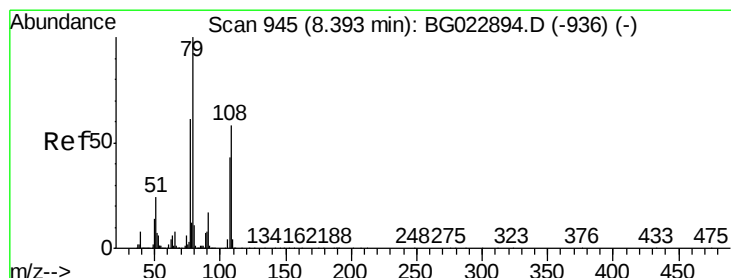
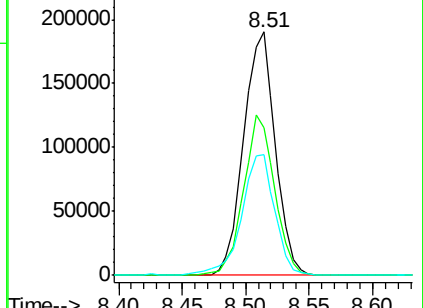
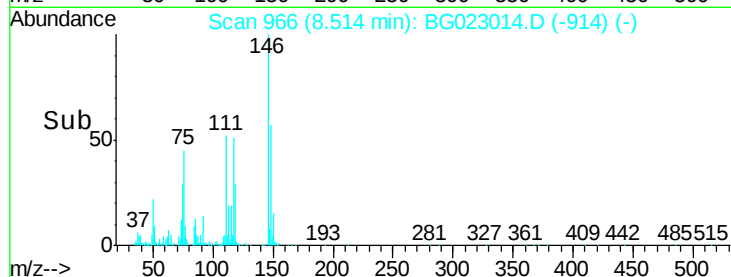
111 49.8 43.5 65.3



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: 34.79 ng

RT: 8.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

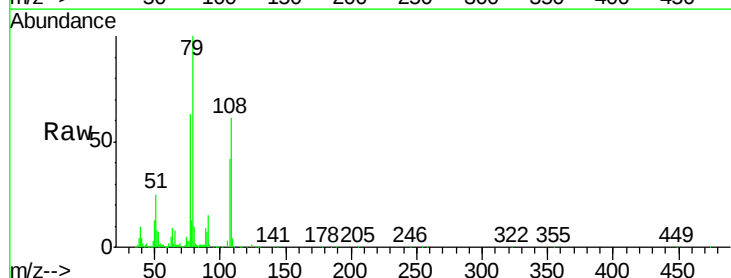
Tgt Ion: 79 Resp: 357555

Ion Ratio Lower Upper

79 100

108 60.6 46.5 69.7

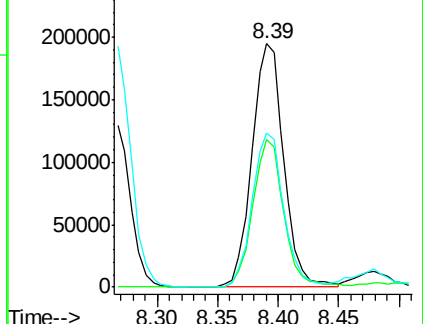
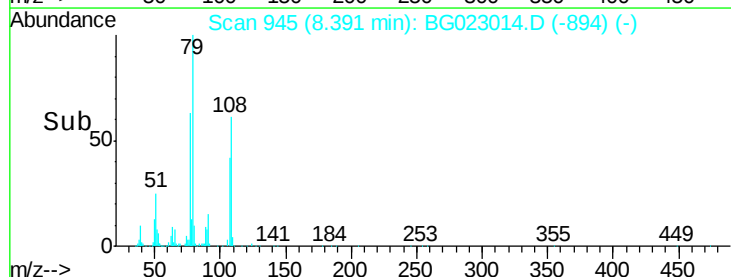
77 63.1 52.3 78.5

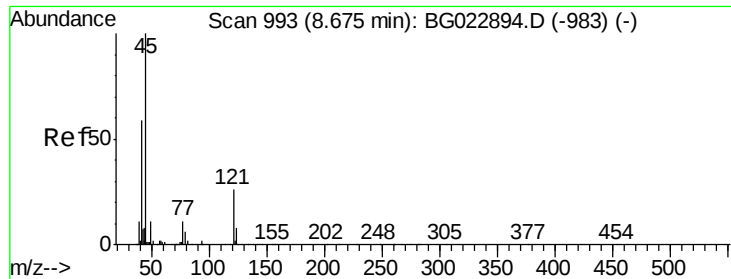


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

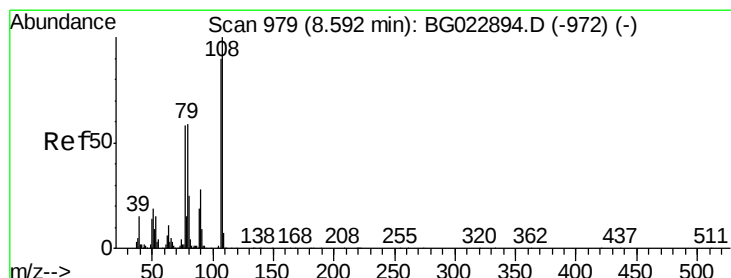
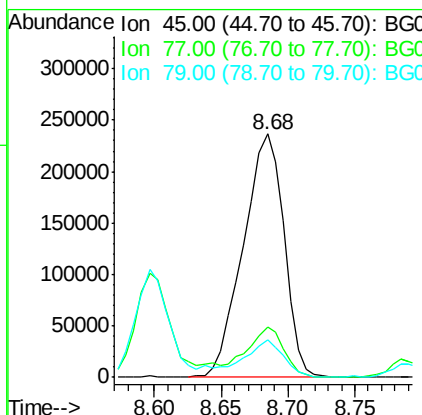
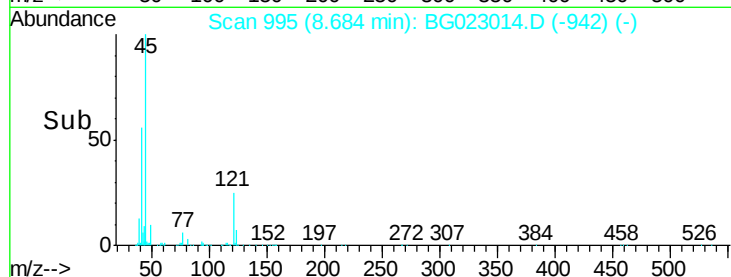
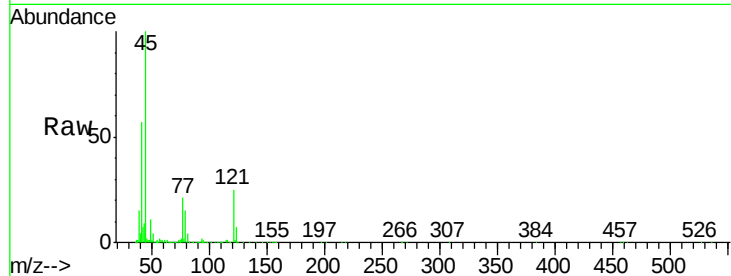




#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.60 ng
RT: 8.68 min Scan# 995
Delta R.T. 0.01 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

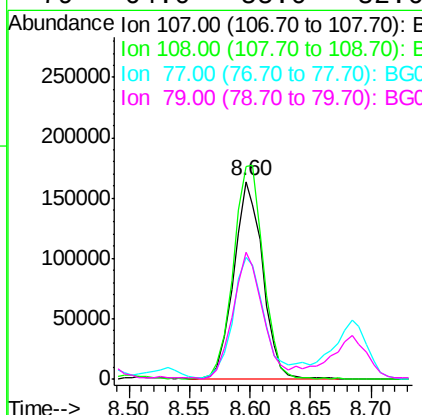
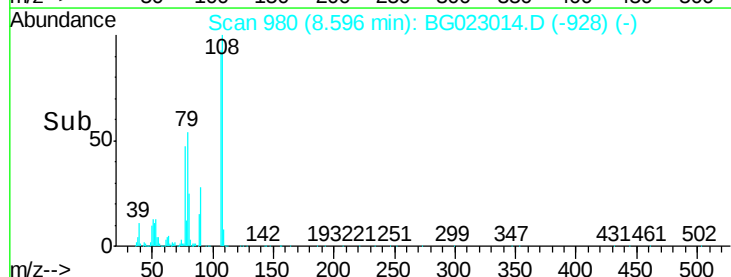
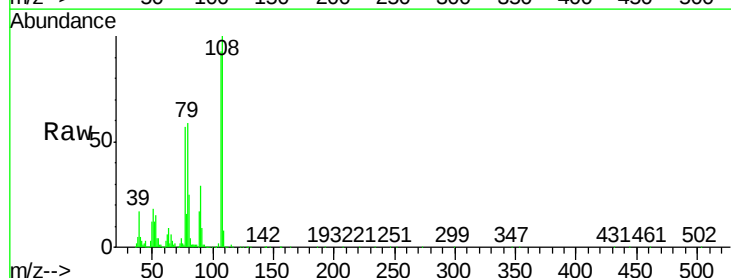
Instrument :
BNA_G
ClientSampleId :
S22-0005MS

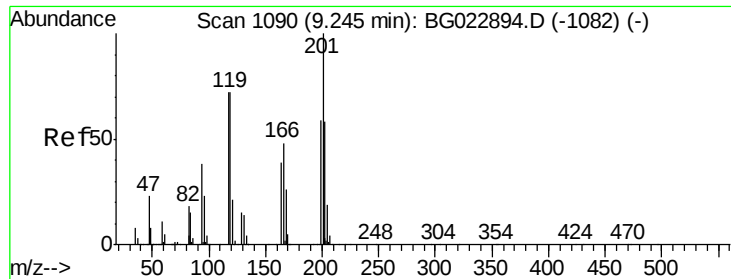
Tgt Ion:	45	Resp:	498555
Ion	Ratio	Lower	Upper
45	100		
77	20.6	0.6	40.6
79	15.2	0.0	36.2



#17
2-Methylphenol
Concen: 36.25 ng
RT: 8.60 min Scan# 980
Delta R.T. 0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Tgt Ion:	107	Resp:	272521
Ion	Ratio	Lower	Upper
107	100		
108	107.8	92.0	138.0
77	61.8	55.8	83.6
79	64.0	55.0	82.6

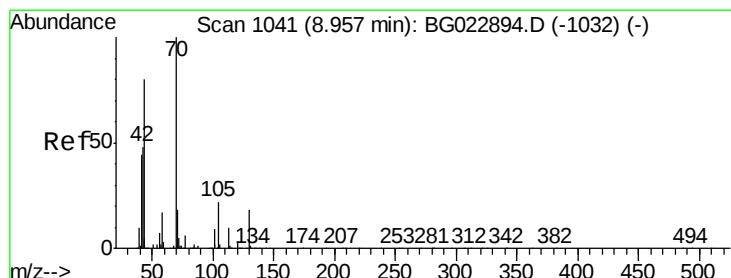
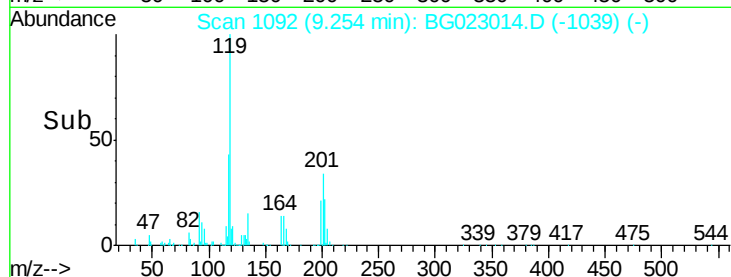
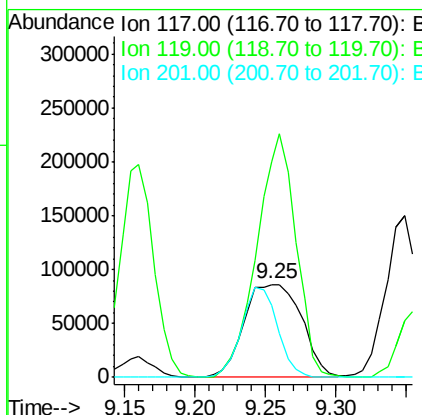
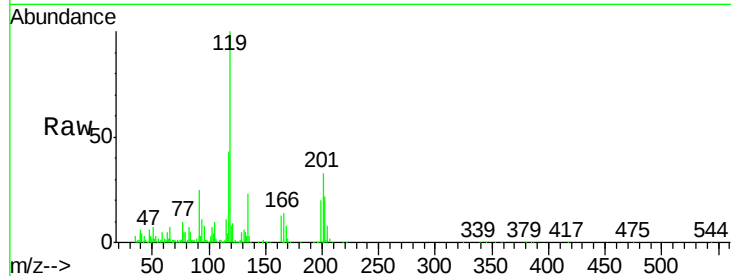




#18
Hexachloroethane
Concen: 62.16 ng
RT: 9.25 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

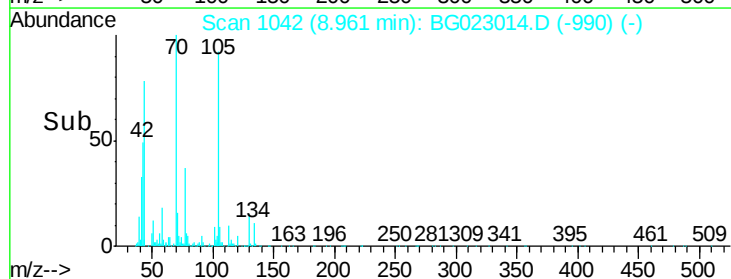
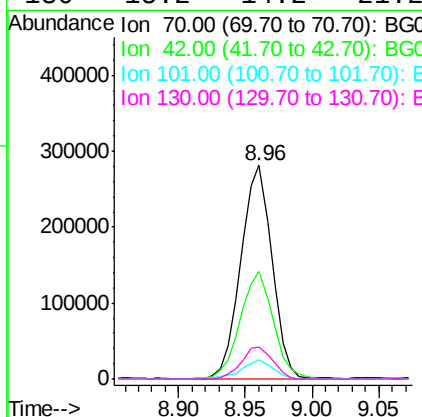
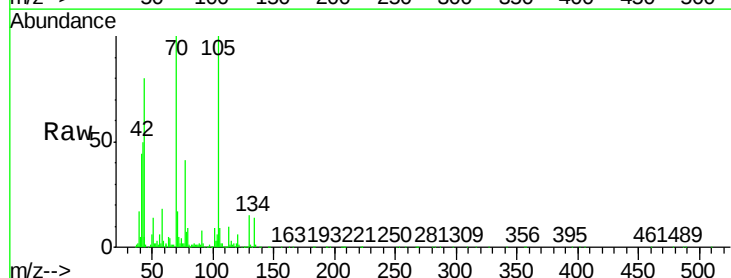
Instrument :
BNA_G
ClientSampleId :
S22-0005MS

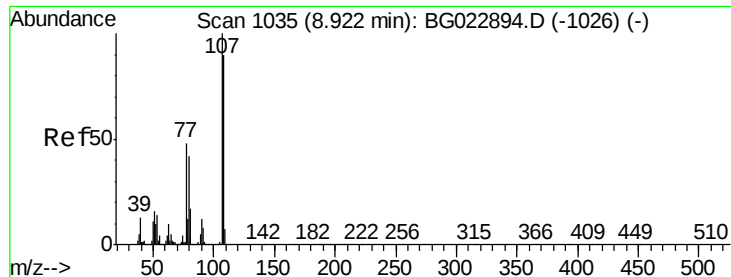
Tgt Ion: 117 Resp: 245188
Ion Ratio Lower Upper
117 100
119 231.1 73.7 110.5#
201 78.9 88.7 133.1#



#19
n-Nitroso-di-n-propylamine
Concen: 44.95 ng
RT: 8.96 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Tgt Ion: 70 Resp: 454718
Ion Ratio Lower Upper
70 100
42 50.4 42.1 63.1
101 8.9 7.2 10.8
130 15.2 14.2 21.2

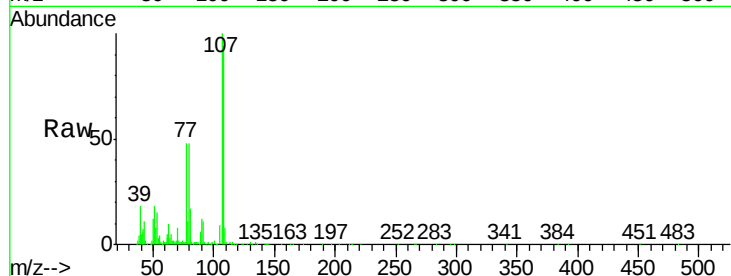




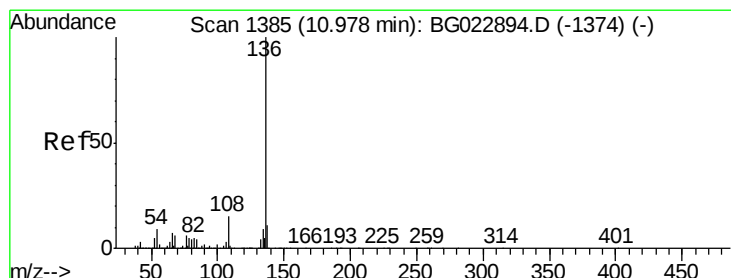
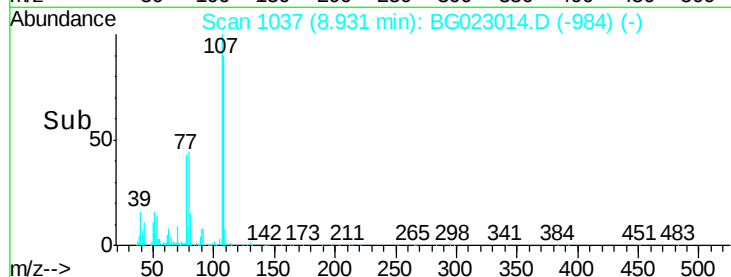
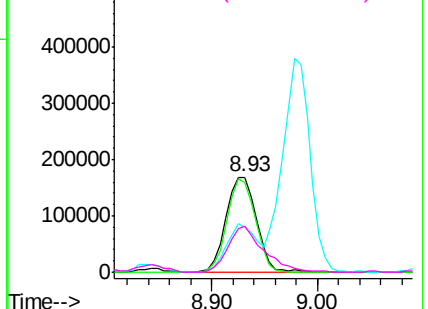
#20
3+4-Methylphenols
Concen: 32.32 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Instrument :
BNA_G
ClientSampleId :
S22-0005MS

Tgt Ion:	107	Resp:	338806
Ion	Ratio	Lower	Upper
107	100		
108	93.9	72.5	112.5
77	47.6	30.1	70.1
79	47.8	24.2	64.2

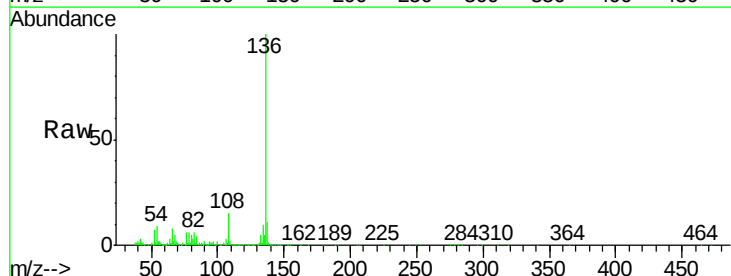


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

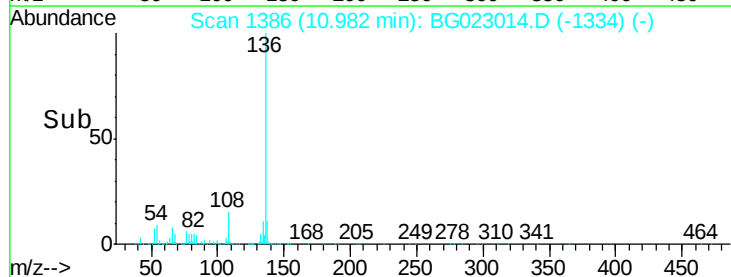
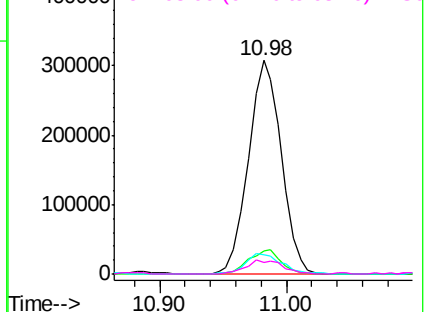


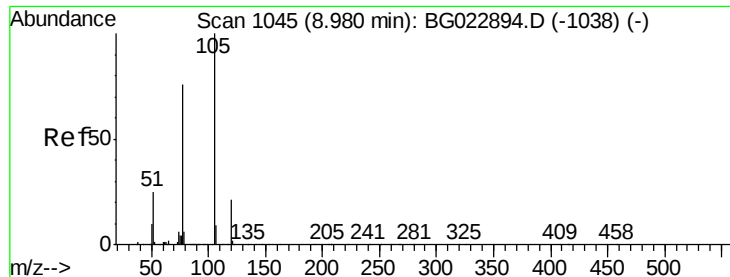
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Tgt Ion:	136	Resp:	552683
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.6	14.4
54	9.3	7.3	10.9
68	5.4	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): BG
Ion 68.00 (67.70 to 68.70): BG





#22

Acetophenone

Concen: 64.95 ng

RT: 8.98 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

Tgt Ion:105 Resp: 1077291

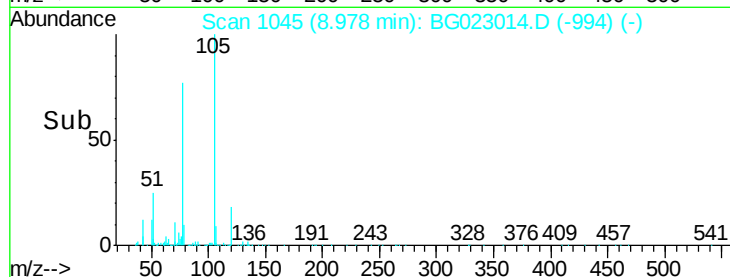
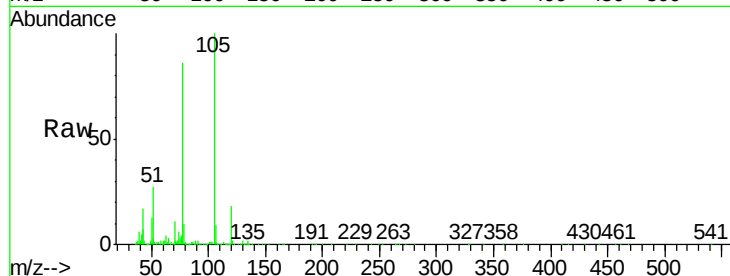
Ion Ratio Lower Upper

105 100

71 2.4 2.6 3.8#

51 26.9 27.1 40.7#

120 17.9 15.1 22.7

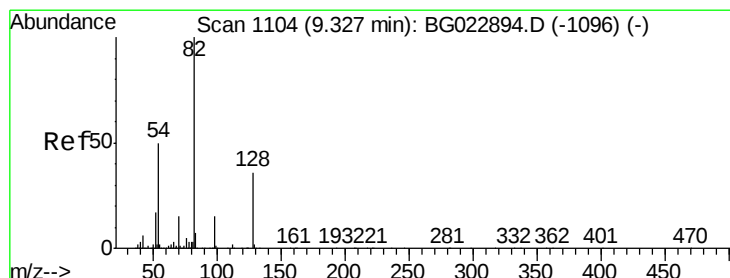
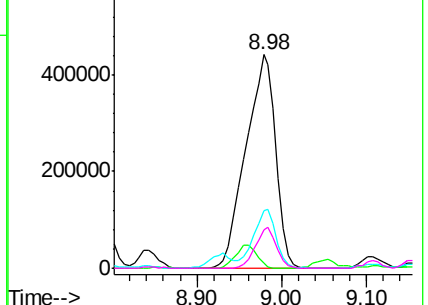


Abundance Ion 105.00 (104.70 to 105.70): E

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: 91.78 ng

RT: 9.33 min Scan# 1105

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

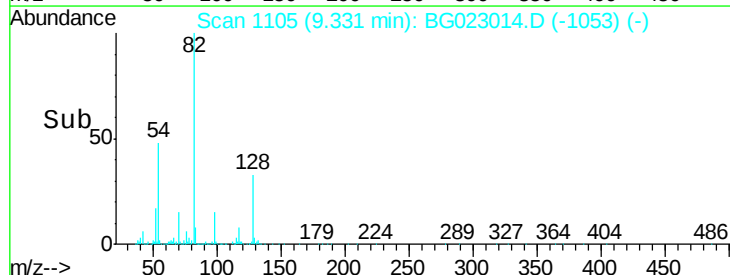
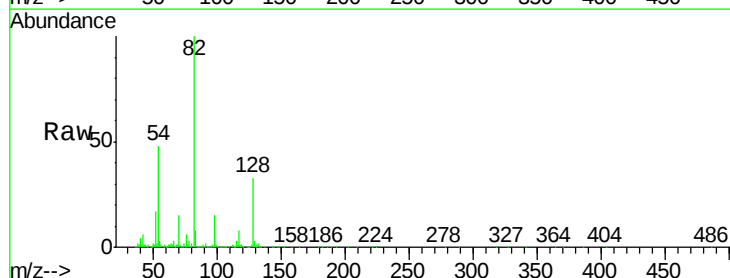
Tgt Ion: 82 Resp: 1184625

Ion Ratio Lower Upper

82 100

128 32.9 24.4 36.6

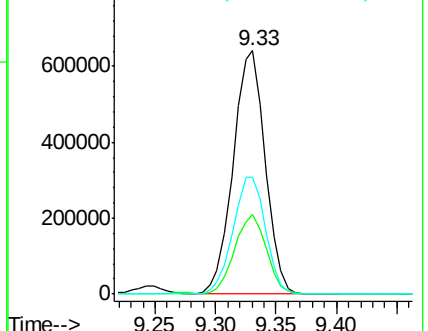
54 48.1 41.4 62.0

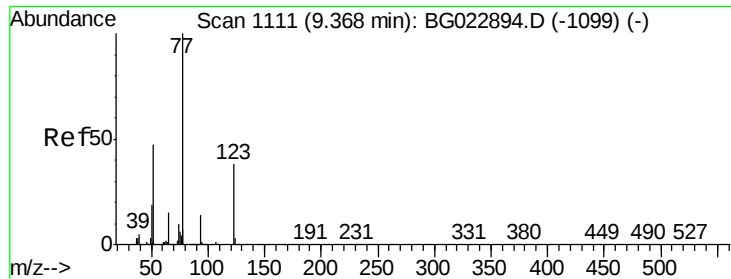


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

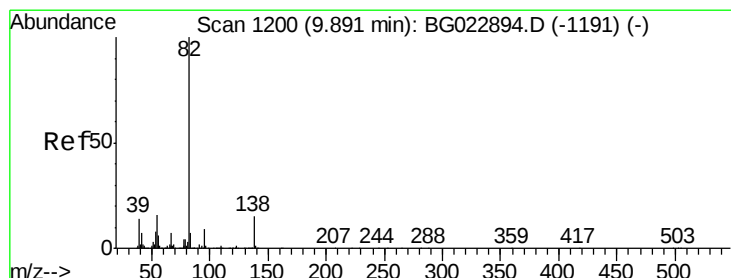
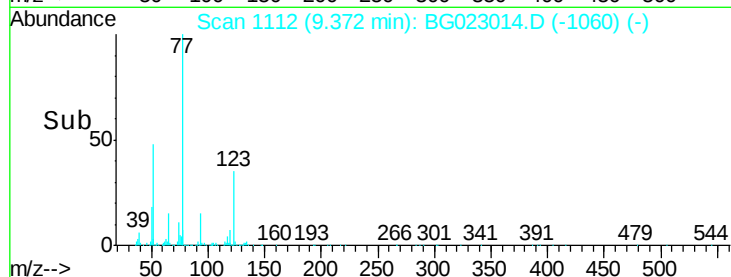
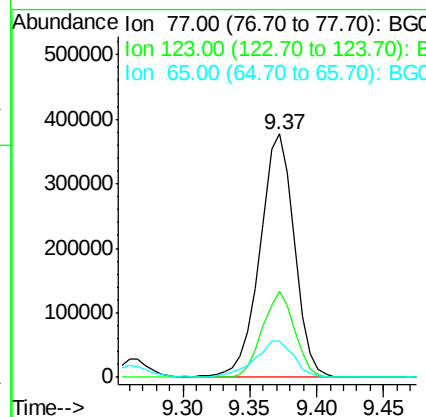
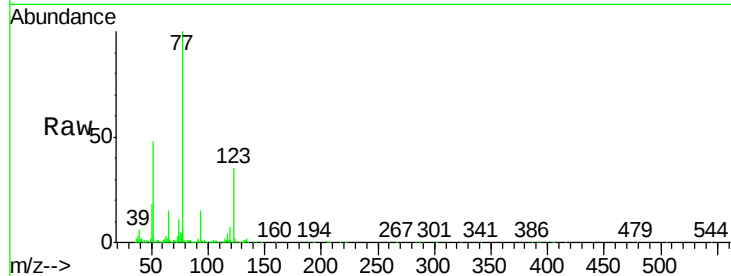




#24
 Nitrobenzene
 Concen: 48.81 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

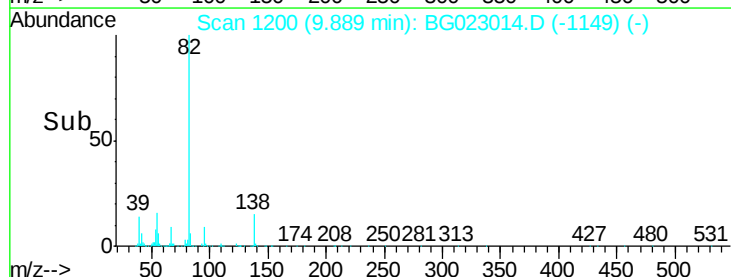
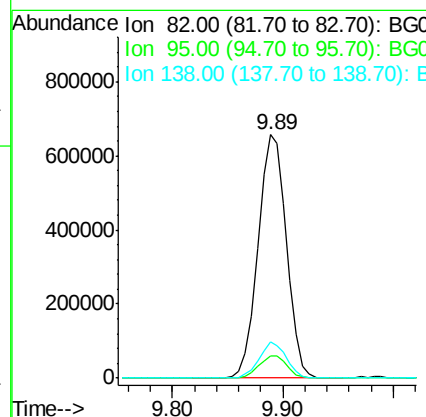
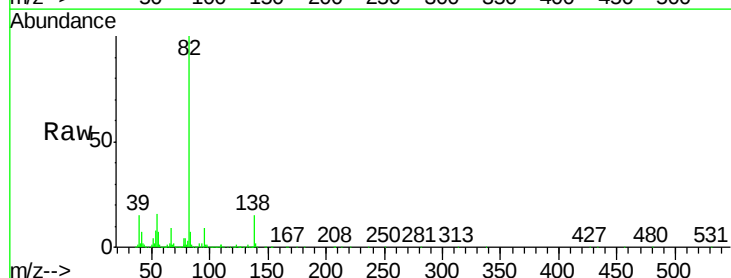
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

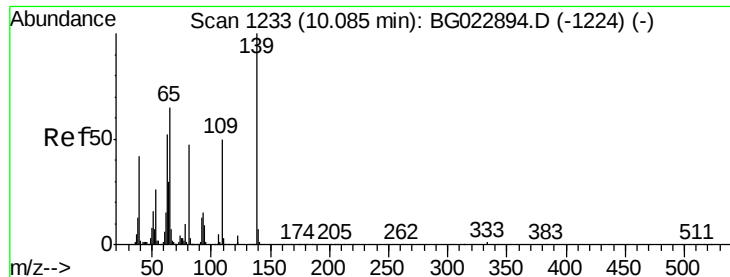
Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.4	25.0	37.6
65	15.0	13.4	20.0



#25
 Isophorone
 Concen: 45.54 ng
 RT: 9.89 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	8.9	8.2	12.2
138	14.7	10.7	16.1





#26

2-Nitrophenol

Concen: 44.58 ng

RT: 10.09 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

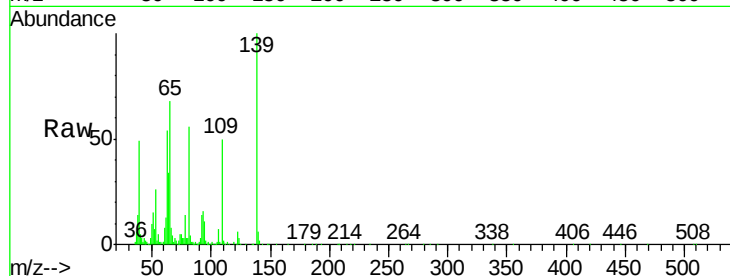
Tgt Ion:139 Resp: 239920

Ion Ratio Lower Upper

139 100

109 50.2 43.5 65.3

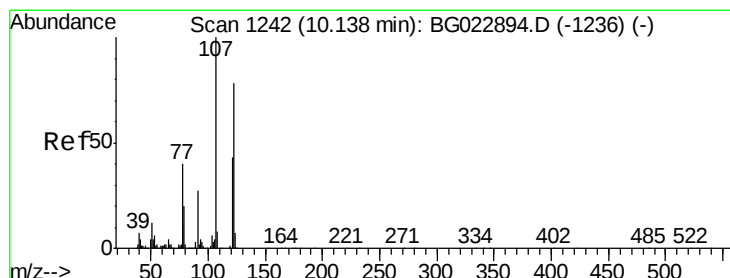
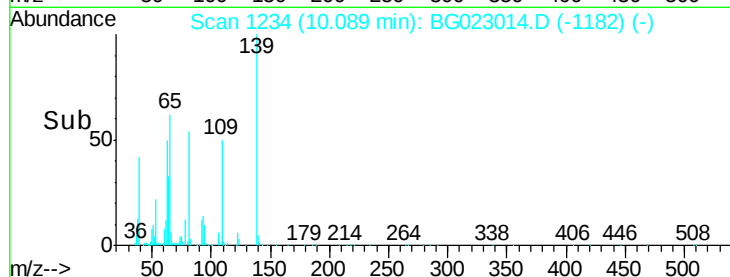
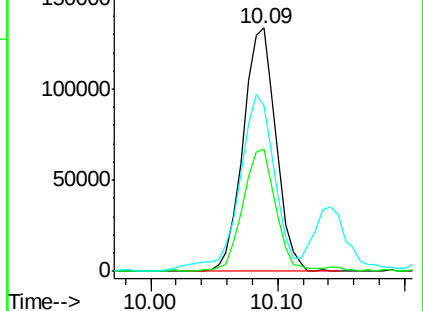
65 67.9 64.3 96.5



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



#27

2,4-Dimethylphenol

Concen: 41.69 ng

RT: 10.14 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

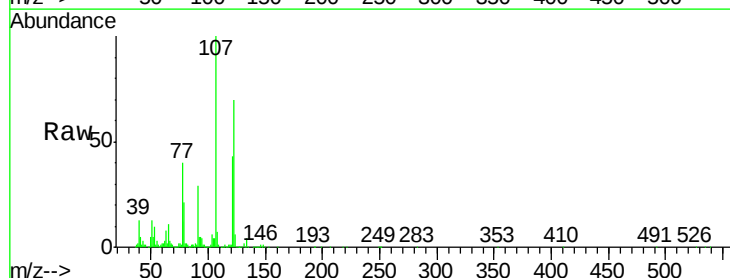
Tgt Ion:122 Resp: 387833

Ion Ratio Lower Upper

122 100

107 143.0 117.0 175.4

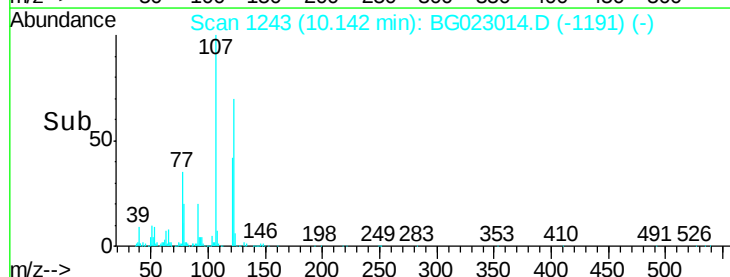
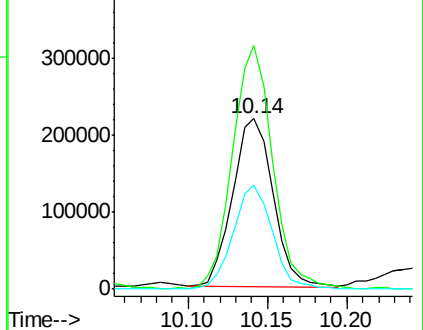
121 61.1 50.1 75.1

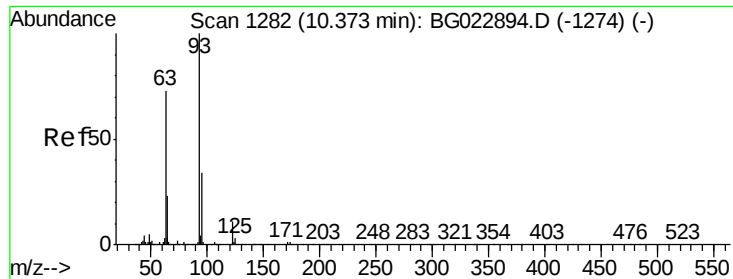


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

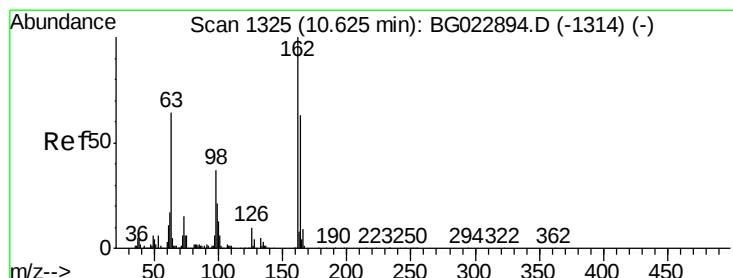
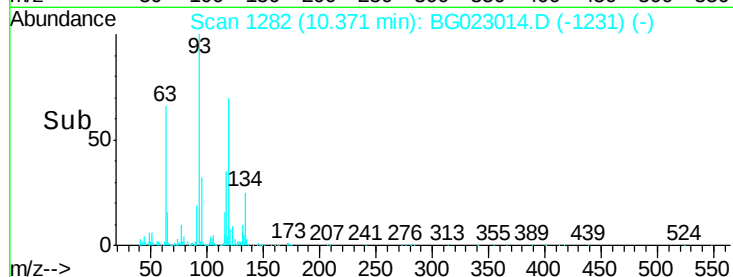
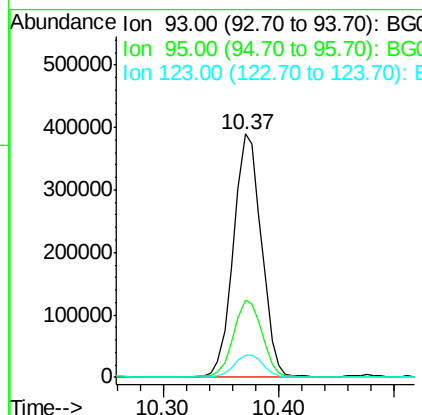
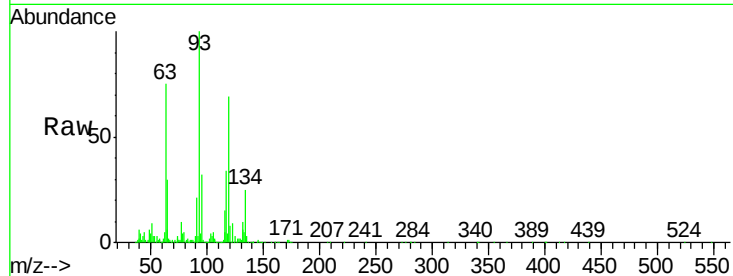




#28
bis(2-Chloroethoxy)methane
Concen: 45.06 ng
RT: 10.37 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

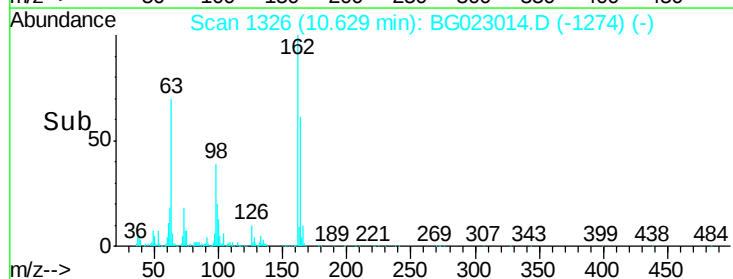
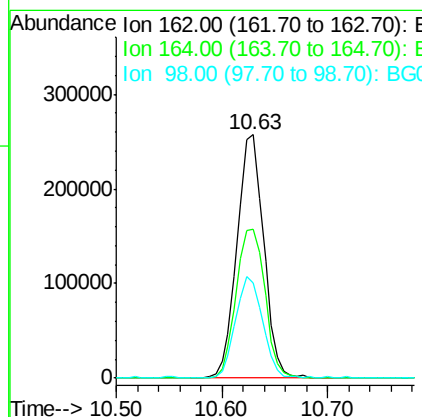
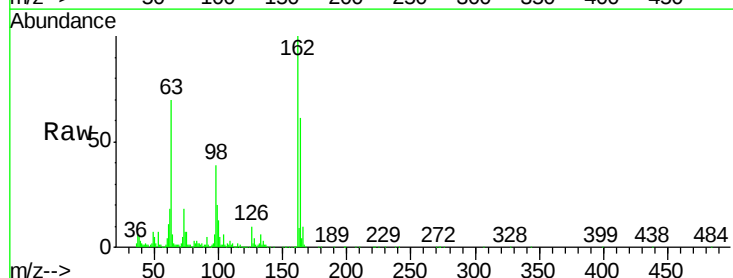
Instrument :
BNA_G
ClientSampleId :
S22-0005MS

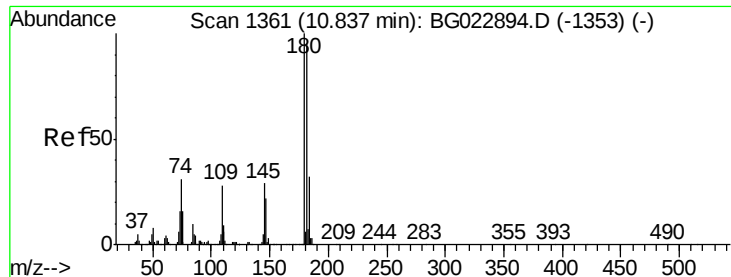
Tgt Ion: 93 Resp: 652439
Ion Ratio Lower Upper
93 100
95 31.7 25.4 38.2
123 9.2 8.2 12.2



#29
2,4-Dichlorophenol
Concen: 45.56 ng
RT: 10.63 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Tgt Ion: 162 Resp: 452018
Ion Ratio Lower Upper
162 100
164 61.3 44.3 84.3
98 39.3 19.5 59.5

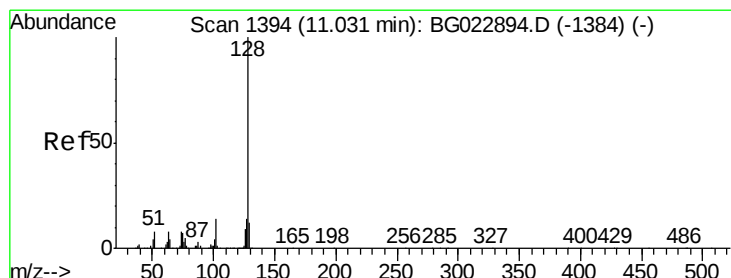
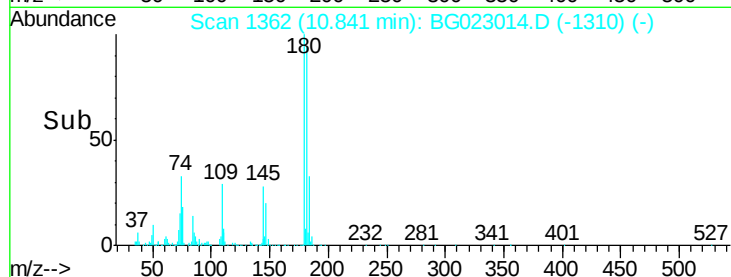
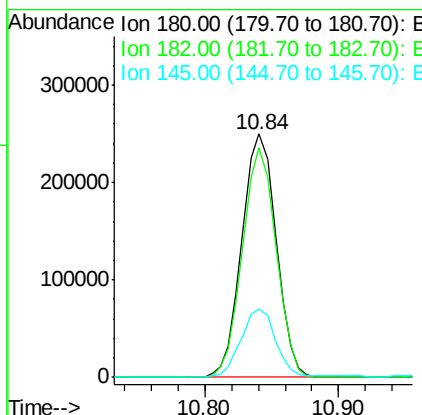
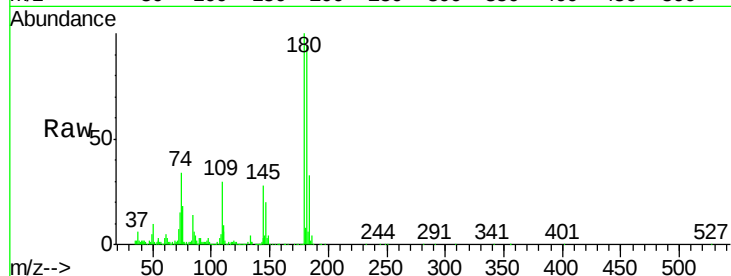




#30
 1,2,4-Trichlorobenzene
 Concen: 39.05 ng
 RT: 10.84 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

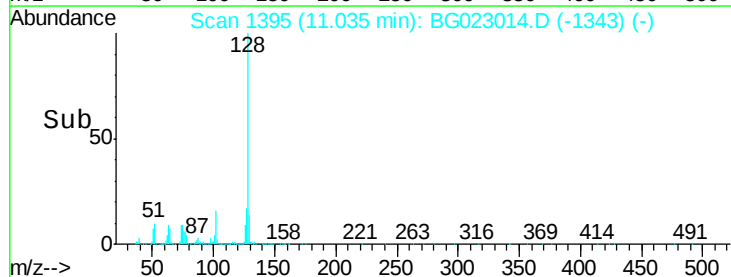
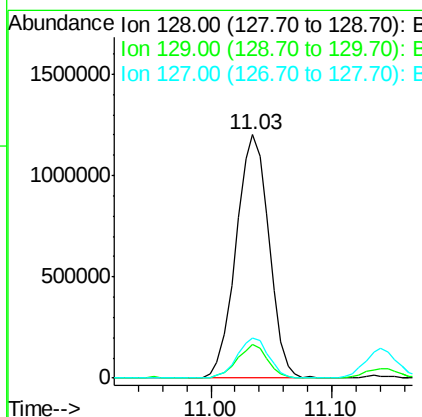
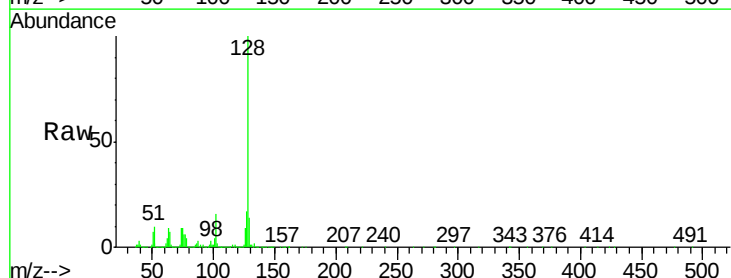
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

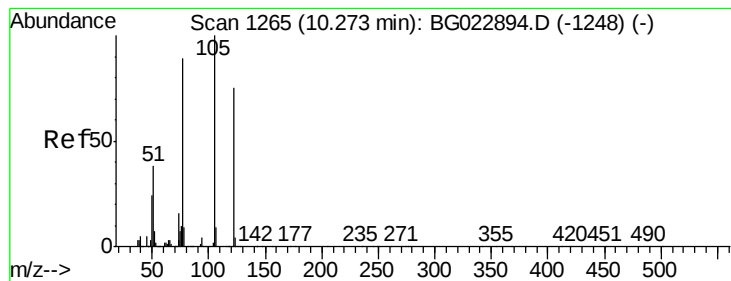
Tgt Ion:180 Resp: 444031
 Ion Ratio Lower Upper
 180 100
 182 94.5 73.8 110.8
 145 28.2 24.4 36.6



#31
 Naphthalene
 Concen: 81.05 ng
 RT: 11.03 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

Tgt Ion:128 Resp: 2280360
 Ion Ratio Lower Upper
 128 100
 129 13.8 9.4 14.0
 127 16.7 11.3 16.9





#32

Benzoic acid

Concen: 12.56 ng

RT: 10.25 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

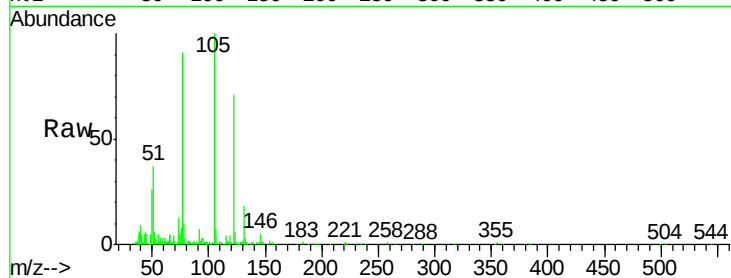
Tgt Ion:122 Resp: 106319

Ion Ratio Lower Upper

122 100

105 140.5 117.2 157.2

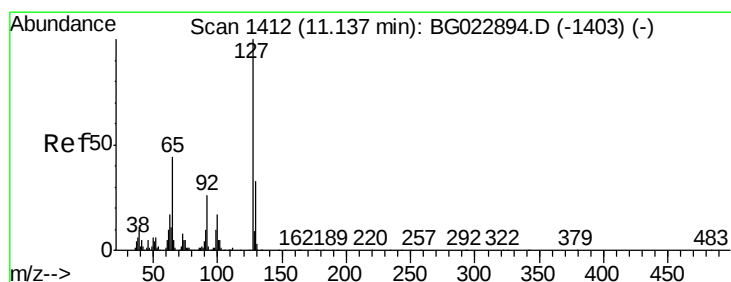
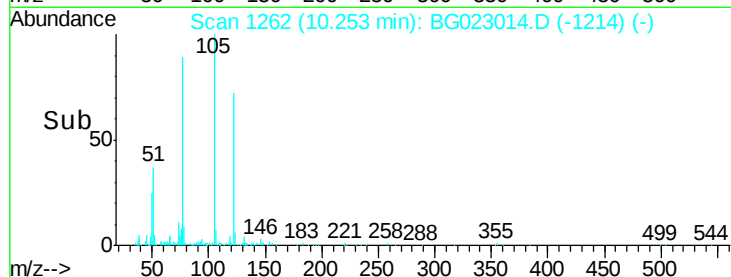
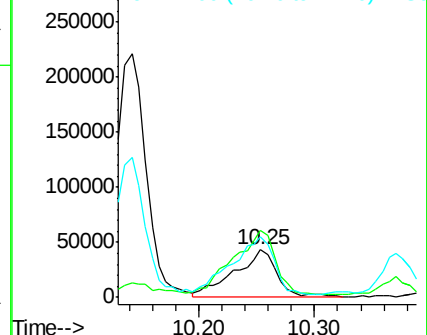
77 127.4 109.2 149.2



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): BGC



#33

4-Chloroaniline

Concen: 19.95 ng

RT: 11.14 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Tgt Ion:127 Resp: 274492

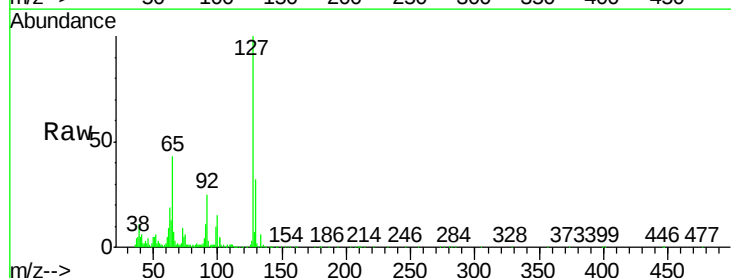
Ion Ratio Lower Upper

127 100

129 31.6 27.9 41.9

65 42.5 36.8 55.2

92 25.1 21.0 31.6

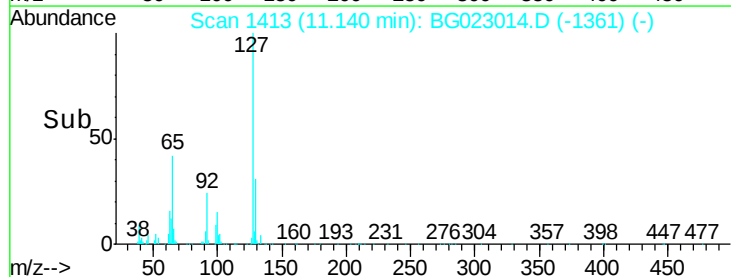
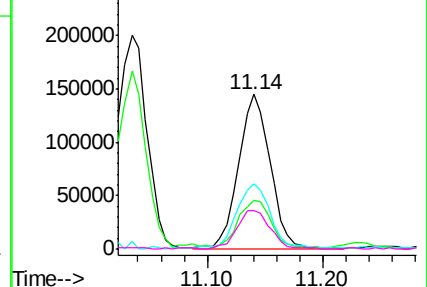


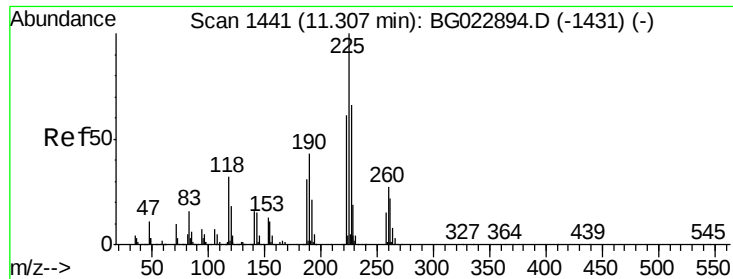
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#34

Hexachlorobutadiene

Concen: 34.56 ng

RT: 11.31 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

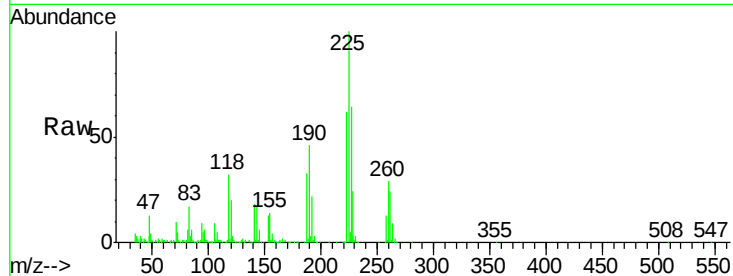
Tgt Ion:225 Resp: 318555

Ion Ratio Lower Upper

225 100

223 62.1 49.6 74.4

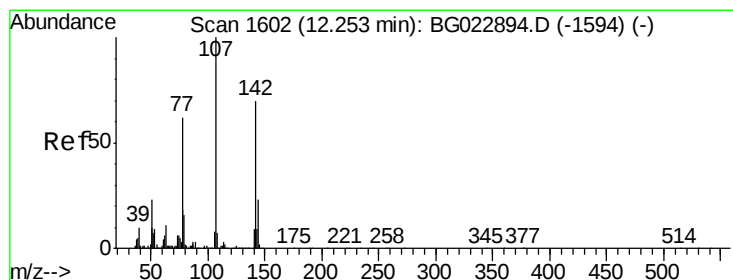
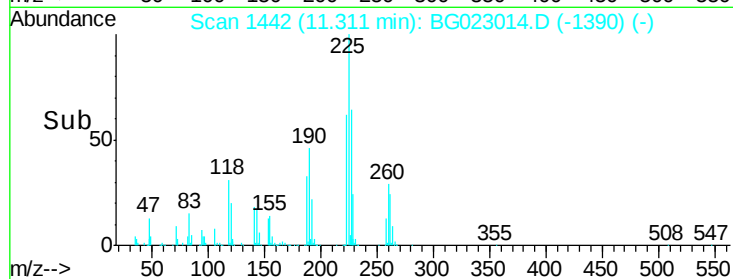
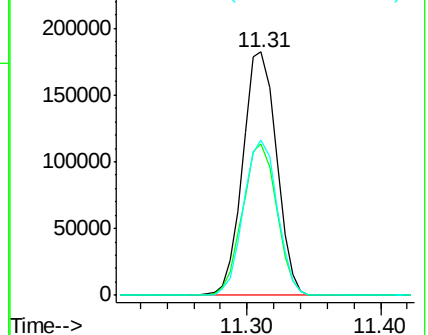
227 63.9 54.5 81.7



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



#36

4-Chloro-3-methylphenol

Concen: 40.52 ng

RT: 12.26 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

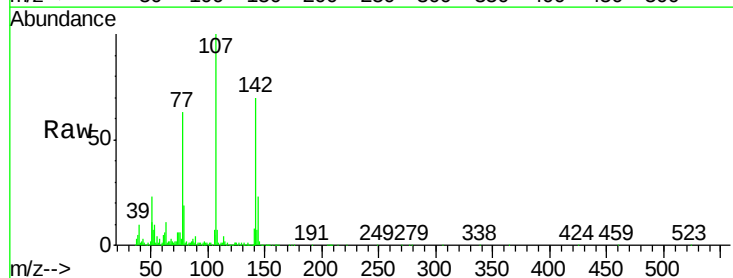
Tgt Ion:107 Resp: 549906

Ion Ratio Lower Upper

107 100

144 22.5 17.0 25.6

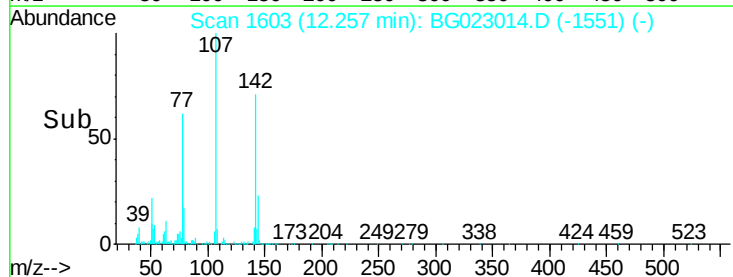
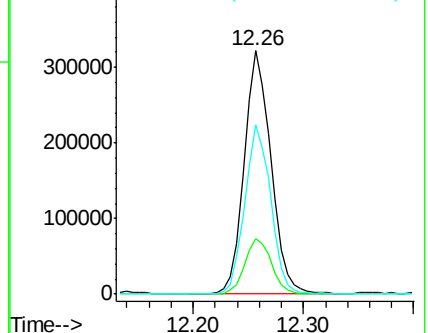
142 69.7 53.0 79.6

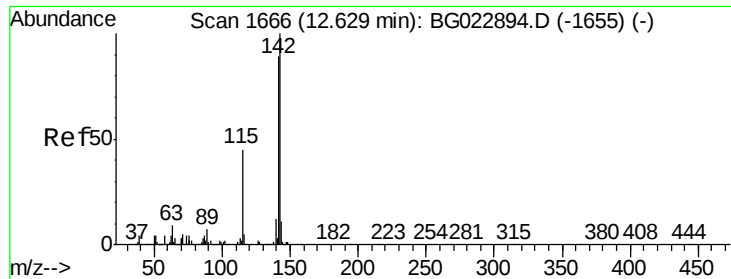


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

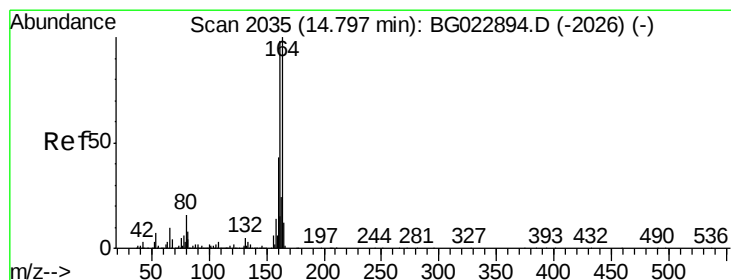
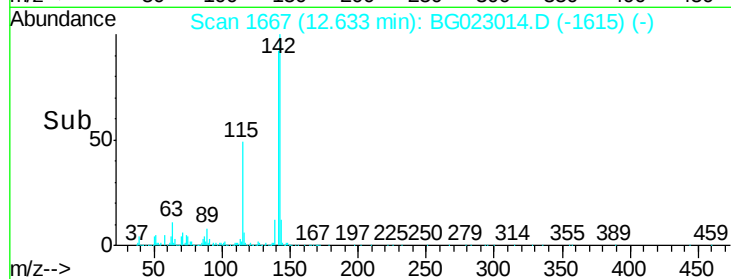
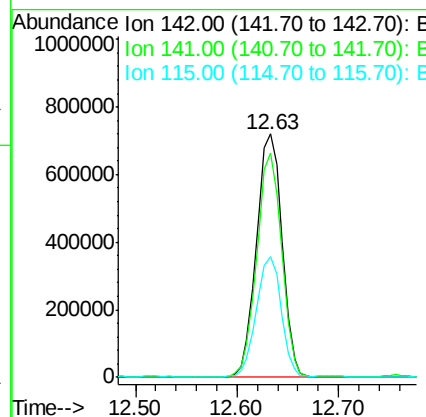
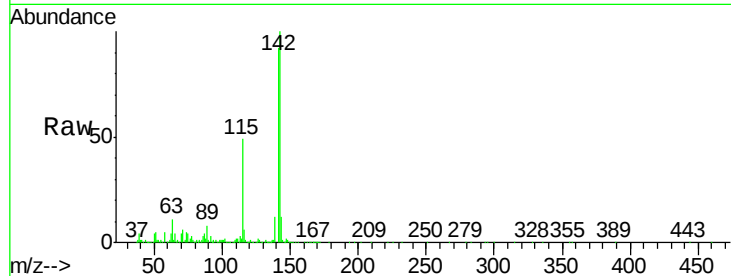




#37
 2-Methylnaphthalene
 Concen: 56.79 ng
 RT: 12.63 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

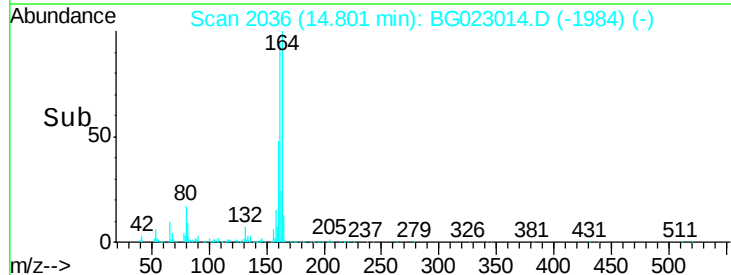
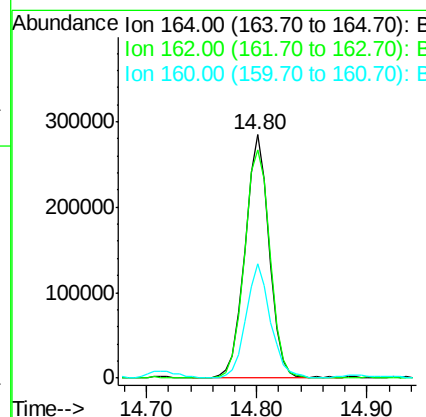
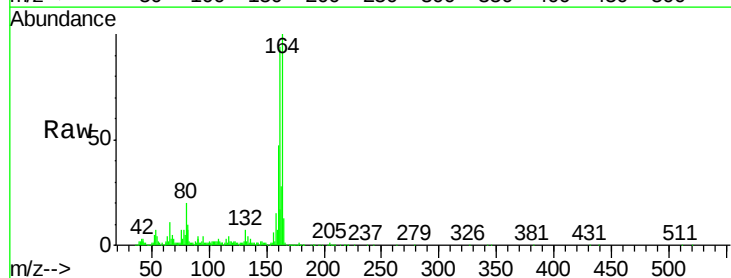
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

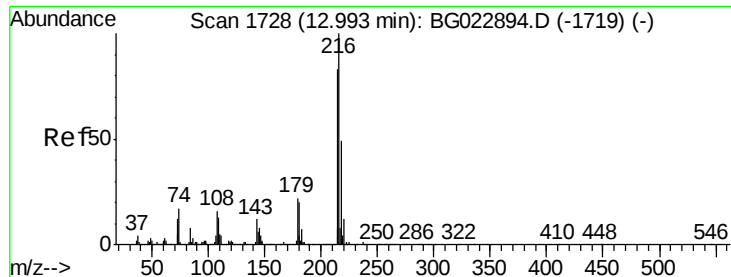
Tgt Ion:142 Resp: 1262828
 Ion Ratio Lower Upper
 142 100
 141 91.9 70.2 105.2
 115 49.3 41.7 62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

Tgt Ion:164 Resp: 436320
 Ion Ratio Lower Upper
 164 100
 162 93.5 87.7 131.5
 160 47.1 37.2 55.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.95 ng

RT: 13.00 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

Tgt Ion:216 Resp: 657109

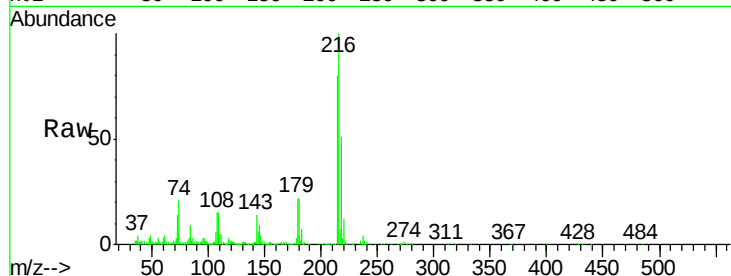
Ion Ratio Lower Upper

216 100

214 80.6 62.9 94.3

179 22.4 17.2 25.8

108 19.8 16.3 24.5

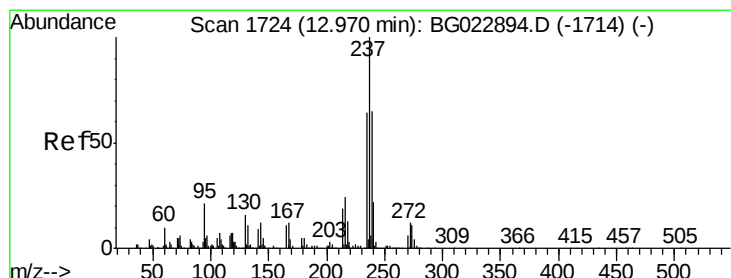
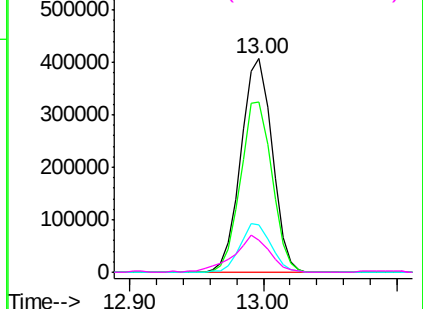
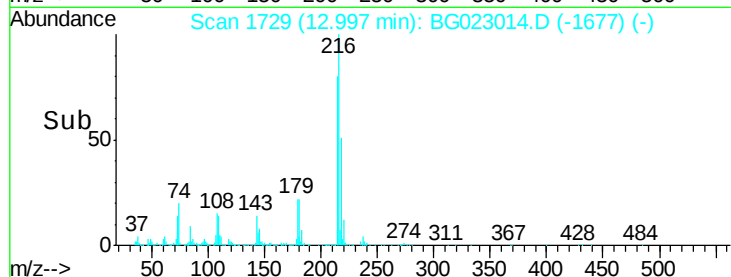


Abundance Ion 216.00 (215.70 to 216.70): E

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: 63.76 ng

RT: 12.97 min Scan# 1724

Delta R.T. -0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

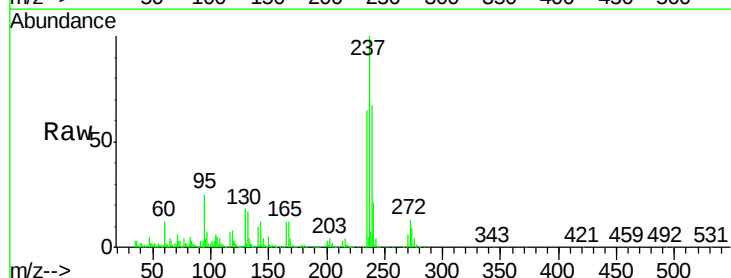
Tgt Ion:237 Resp: 690203

Ion Ratio Lower Upper

237 100

235 65.3 43.1 83.1

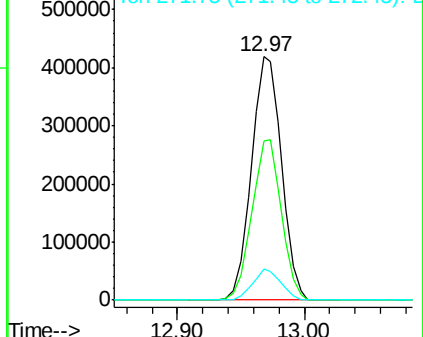
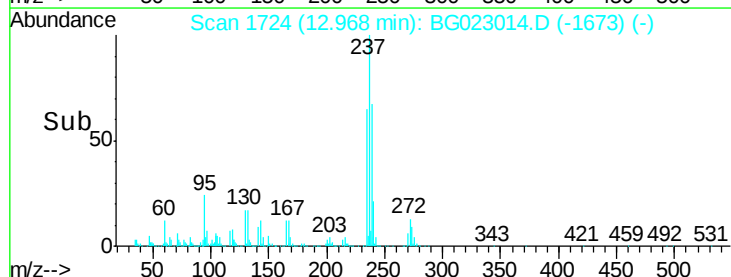
272 12.5 0.0 30.9

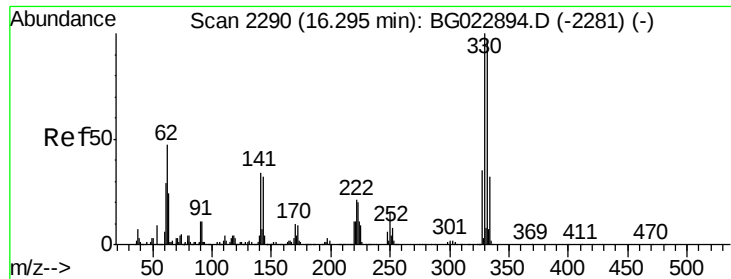


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

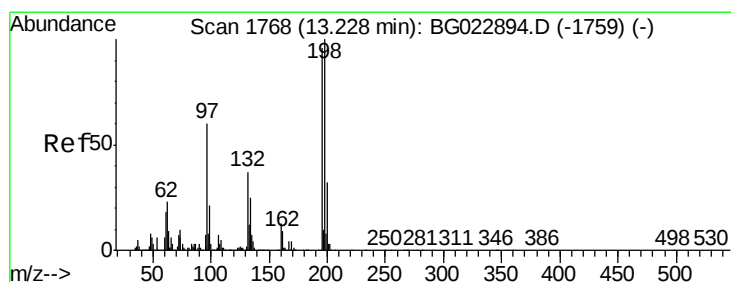
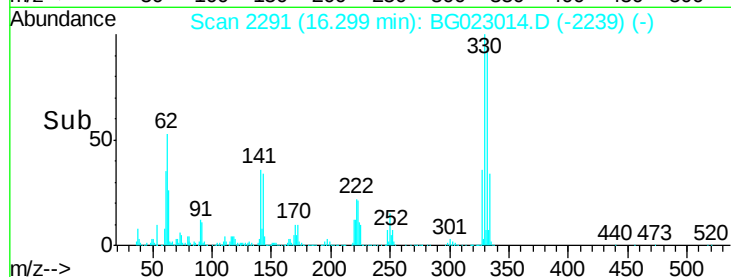
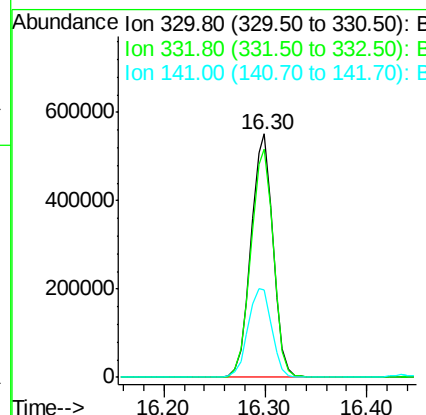
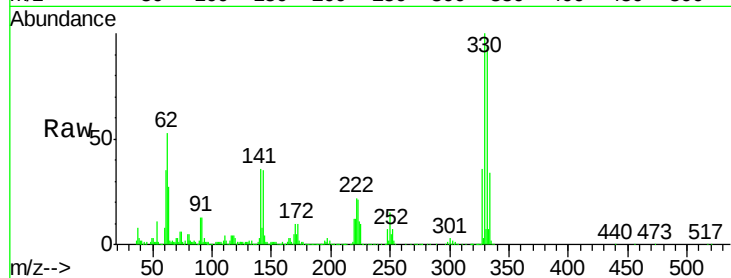




#41
 2,4,6-Tribromophenol
 Concen: 105.17 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

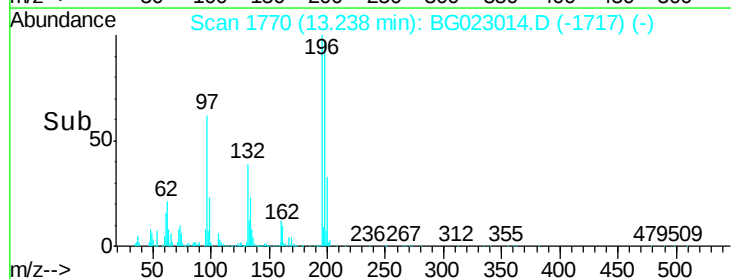
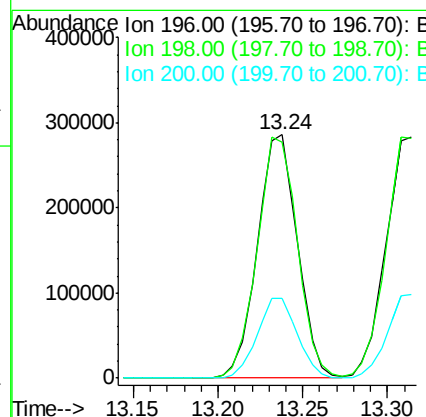
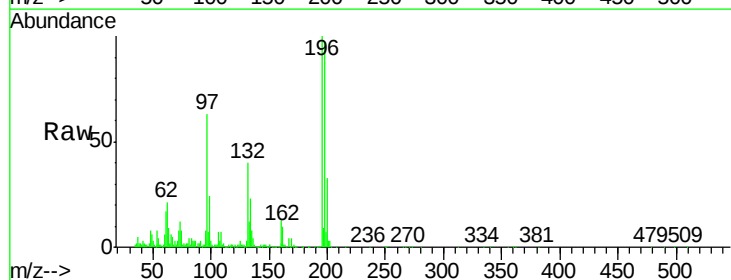
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

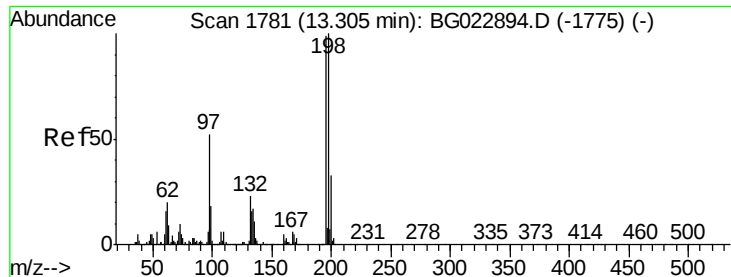
Tgt Ion:330 Resp: 824746
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.2
 141 38.9 31.7 47.5



#42
 2,4,6-Trichlorophenol
 Concen: 43.38 ng
 RT: 13.24 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

Tgt Ion:196 Resp: 468768
 Ion Ratio Lower Upper
 196 100
 198 96.8 78.2 117.2
 200 33.0 27.0 40.4

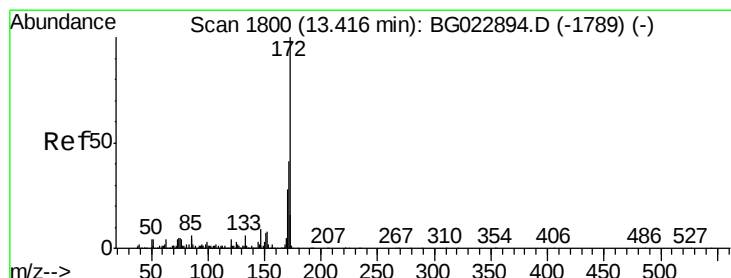
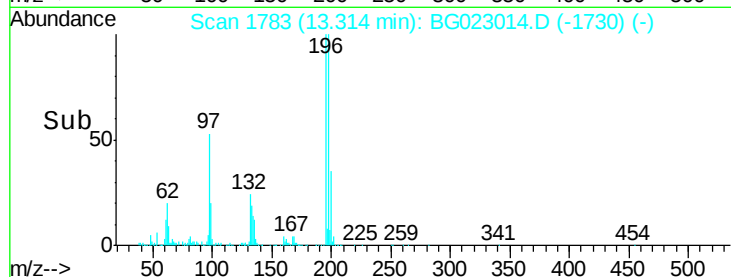
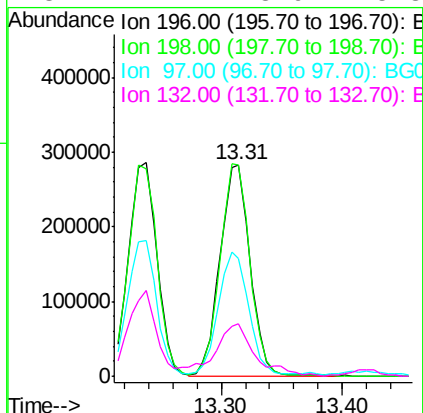
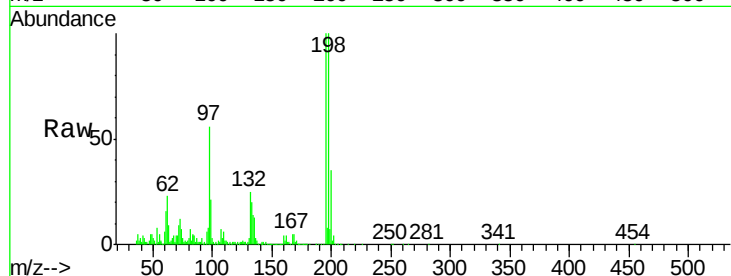




#43
 2,4,5-Trichlorophenol
 Concen: 43.90 ng
 RT: 13.31 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

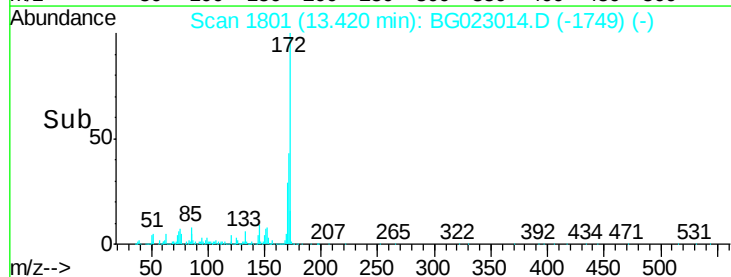
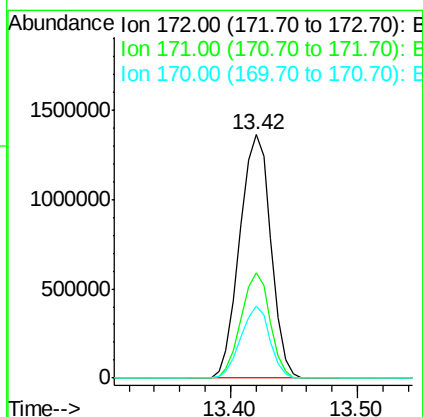
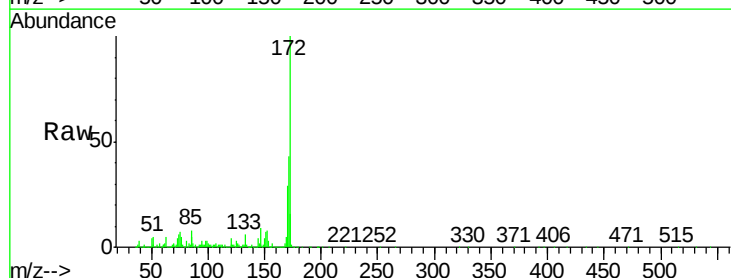
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

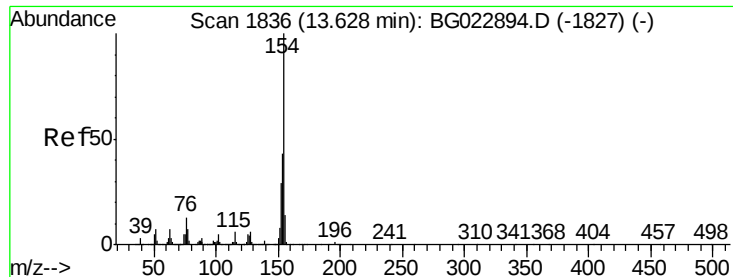
Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.8	85.7	128.5
97	55.7	45.5	68.3
132	24.7	18.9	28.3



#44
 2-Fluorobiphenyl
 Concen: 83.57 ng
 RT: 13.42 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	43.3	31.6	47.4
170	29.4	21.3	31.9

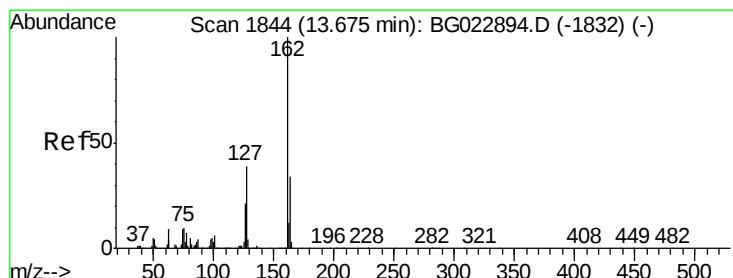
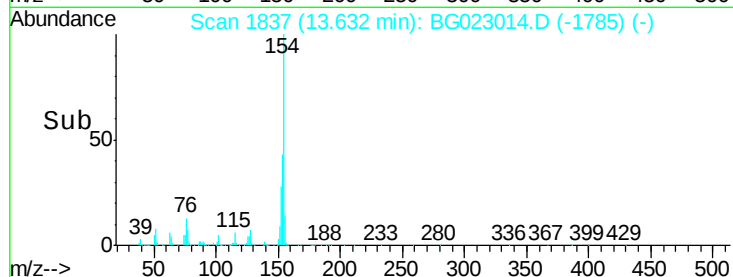
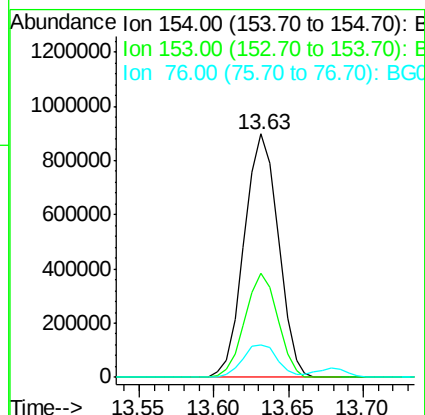
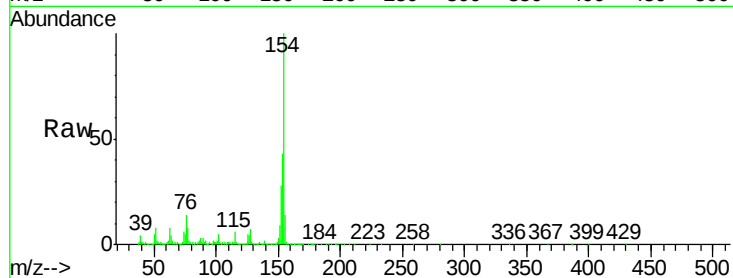




#45
 1,1'-Biphenyl
 Concen: 43.47 ng
 RT: 13.63 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

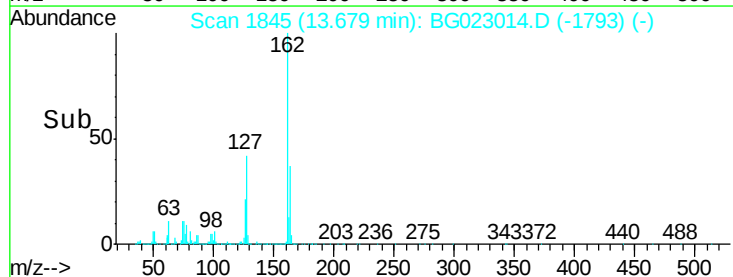
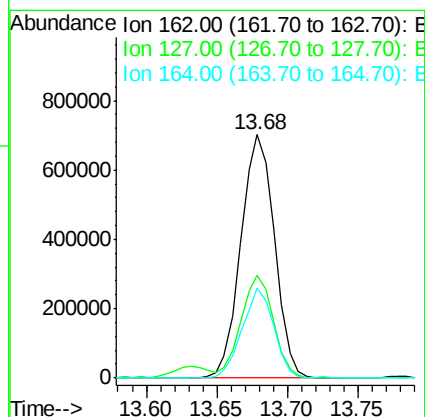
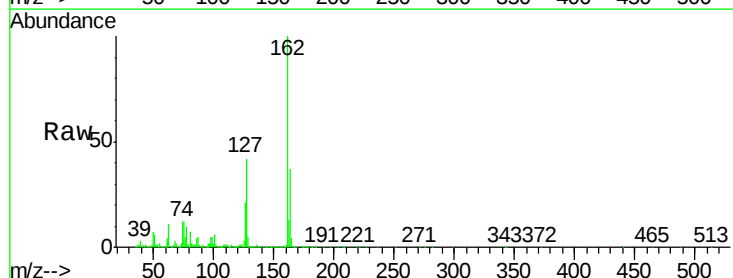
Instrument :
 BNA_G
 ClientSampleId :
 S22-0005MS

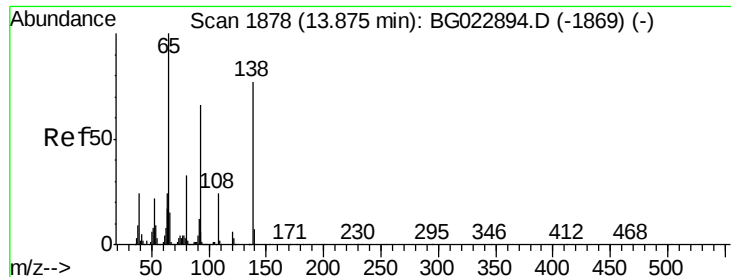
Tgt Ion:154 Resp: 1423252
 Ion Ratio Lower Upper
 154 100
 153 42.8 20.2 60.2
 76 13.5 0.0 32.9



#46
 2-Chloronaphthalene
 Concen: 44.14 ng
 RT: 13.68 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BG023014.D
 Acq: 11 Jul 2016 23:58

Tgt Ion:162 Resp: 1172069
 Ion Ratio Lower Upper
 162 100
 127 42.1 32.4 48.6
 164 36.8 25.2 37.8





#47

2-Nitroaniline

Concen: 44.91 ng

RT: 13.88 min Scan# 1880

Delta R.T. 0.01 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

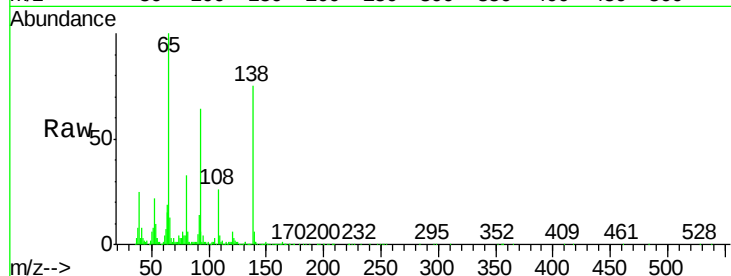
Tgt Ion: 65 Resp: 508856

Ion Ratio Lower Upper

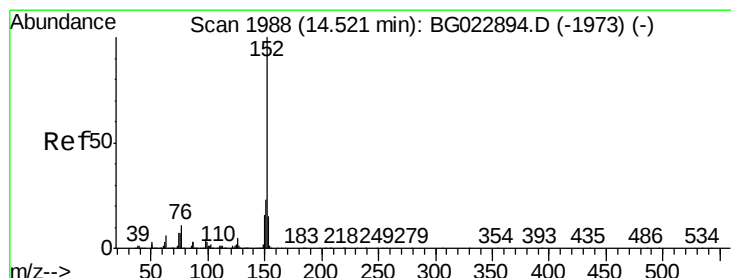
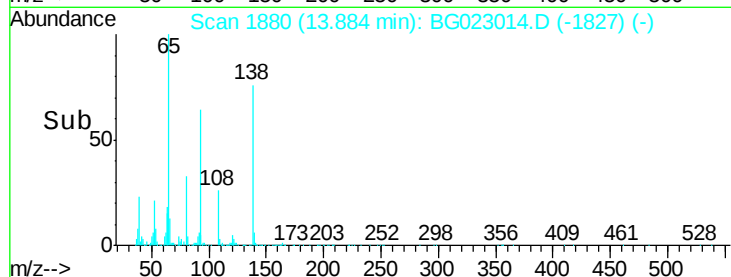
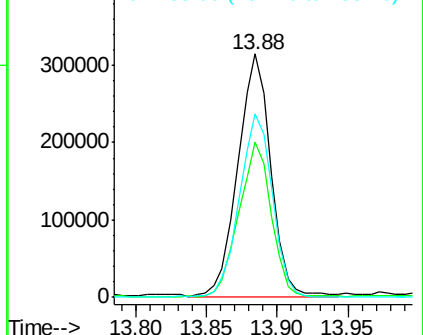
65 100

92 63.8 49.4 74.0

138 75.5 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: 42.56 ng

RT: 14.52 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

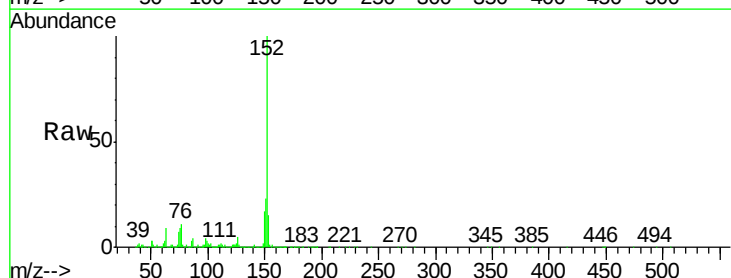
Tgt Ion: 152 Resp: 1695309

Ion Ratio Lower Upper

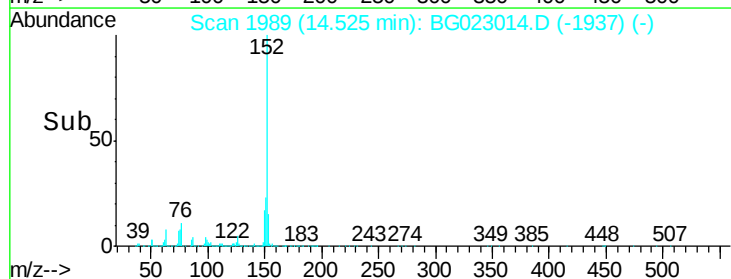
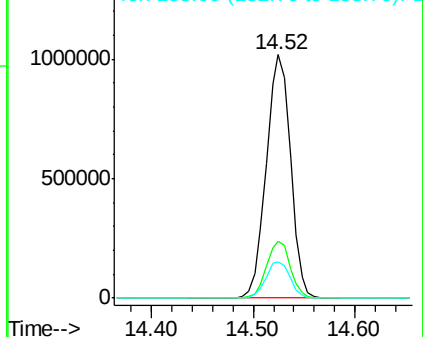
152 100

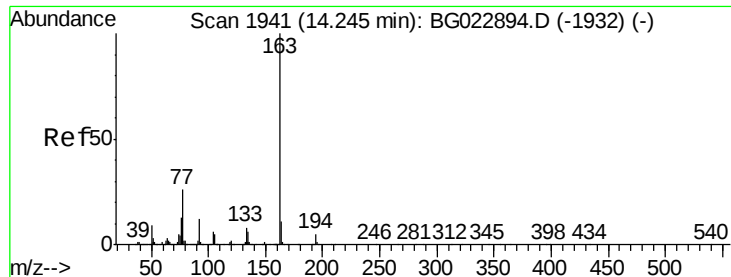
151 23.3 17.6 26.4

153 14.8 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: 45.80 ng

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

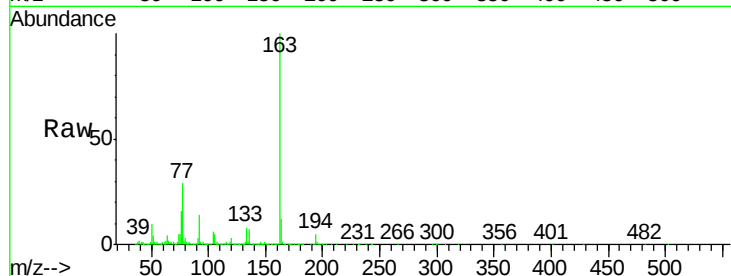
Tgt Ion:163 Resp: 1632303

Ion Ratio Lower Upper

163 100

194 5.1 3.6 5.4

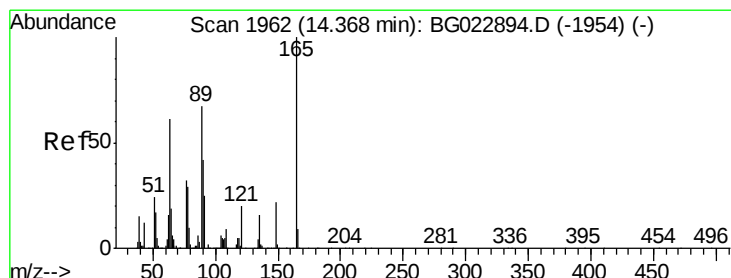
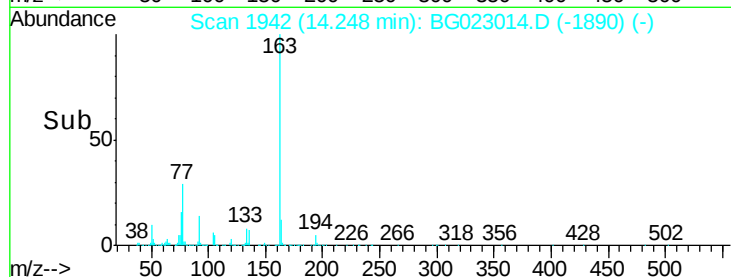
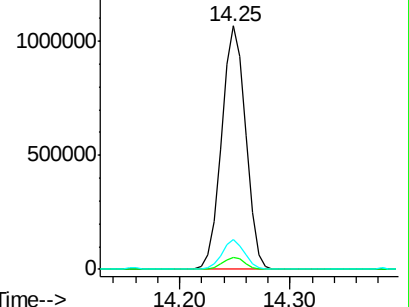
164 12.2 8.1 12.1#



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: 45.56 ng

RT: 14.38 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

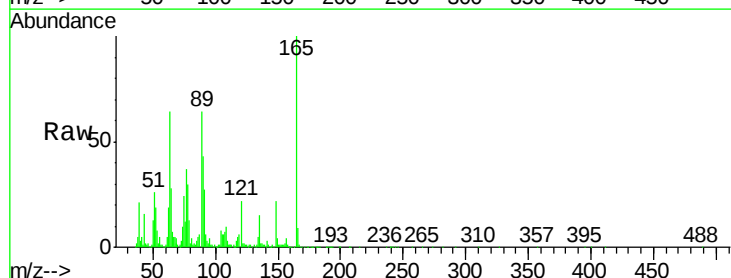
Tgt Ion:165 Resp: 364949

Ion Ratio Lower Upper

165 100

63 63.9 64.3 96.5#

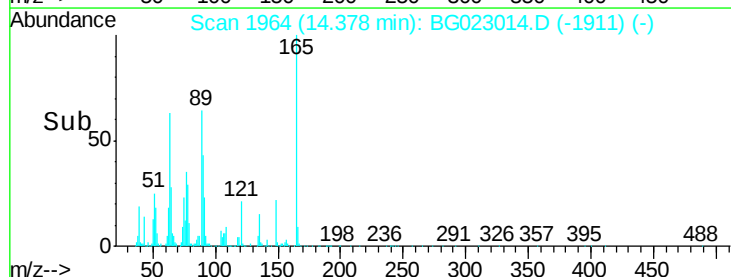
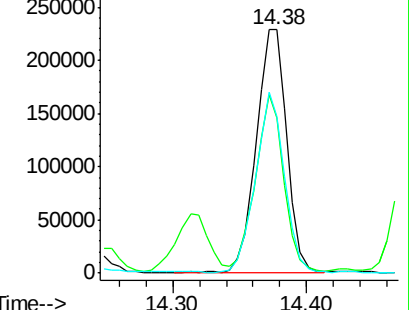
89 64.4 64.3 96.5

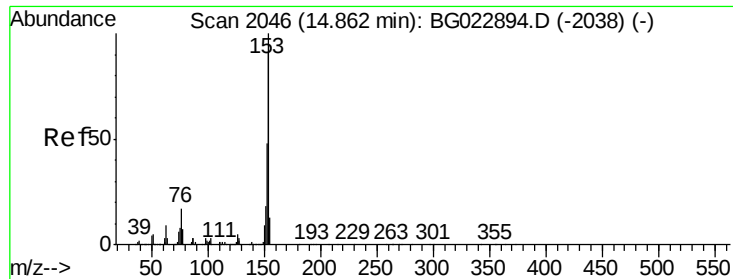


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG





#51

Acenaphthene

Concen: 44.67 ng

RT: 14.87 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

Instrument :

BNA_G

ClientSampleId :

S22-0005MS

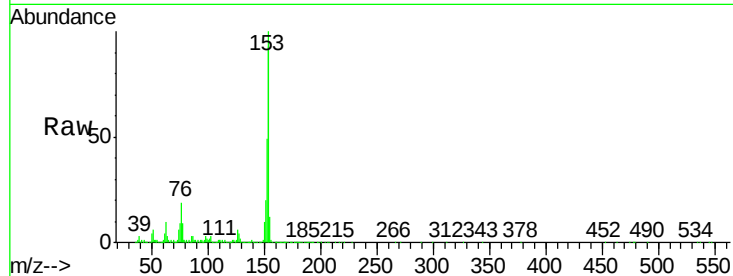
Tgt Ion:154 Resp: 1162859

Ion Ratio Lower Upper

154 100

153 107.5 87.5 131.3

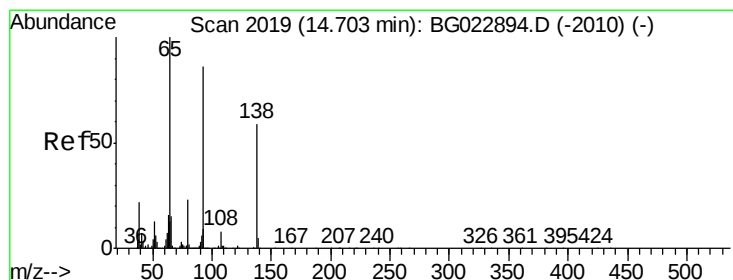
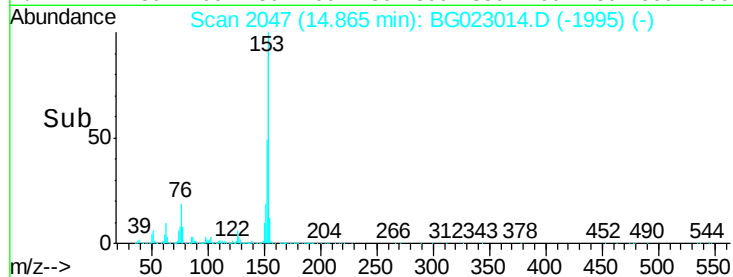
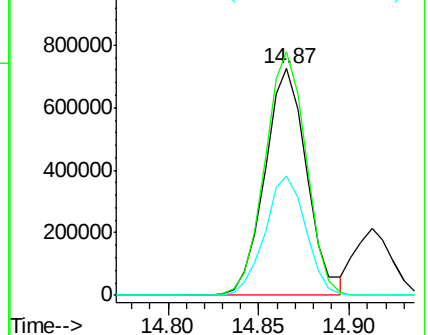
152 52.9 42.7 64.1



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: 23.21 ng

RT: 14.71 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BG023014.D

Acq: 11 Jul 2016 23:58

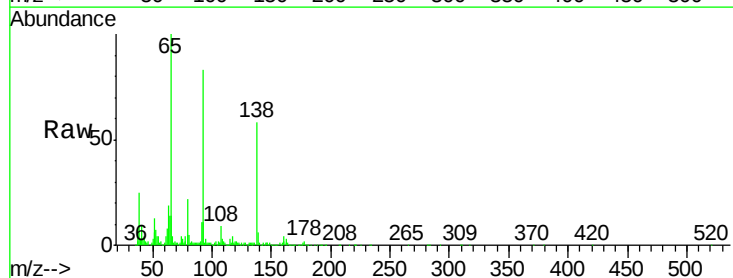
Tgt Ion:138 Resp: 185397

Ion Ratio Lower Upper

138 100

108 15.9 11.7 17.5

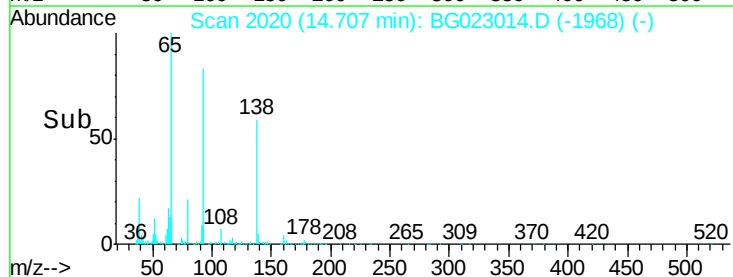
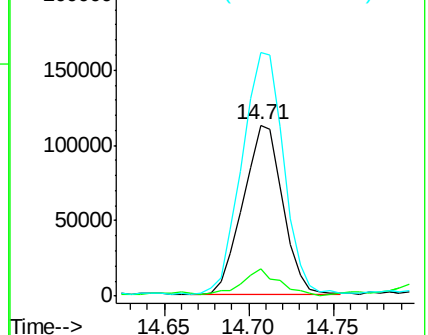
92 142.5 129.7 194.5

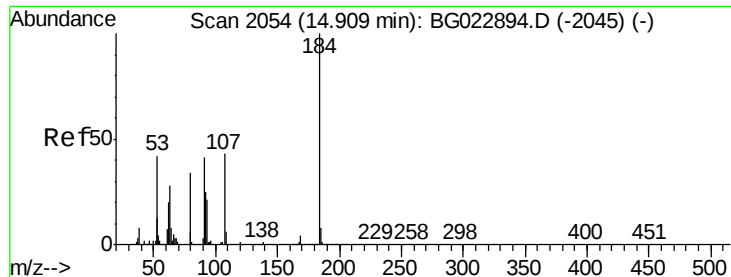


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

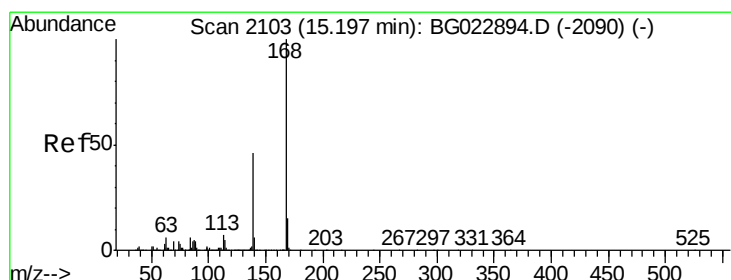
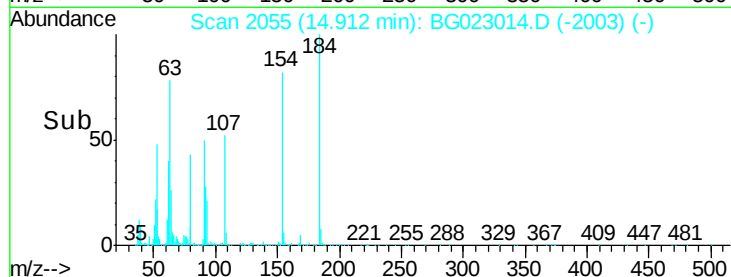
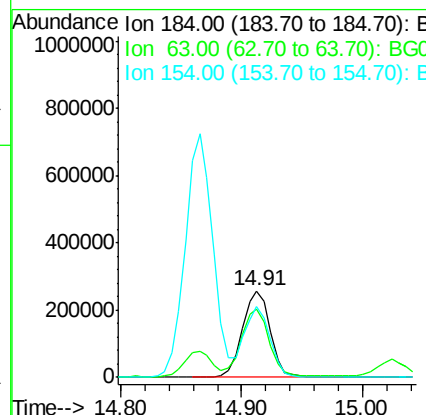
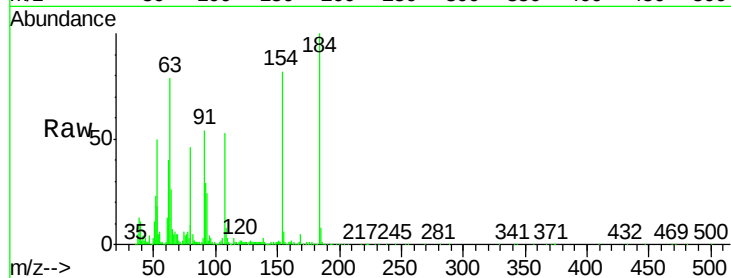




#53
2,4-Dinitrophenol
Concen: 75.23 ng
RT: 14.91 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Instrument :
BNA_G
ClientSampleId :
S22-0005MS

Tgt Ion:184 Resp: 413475
Ion Ratio Lower Upper
184 100
63 78.8 59.6 89.4
154 82.3 67.4 101.0



#54
Dibenzofuran
Concen: 45.89 ng
RT: 15.20 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BG023014.D
Acq: 11 Jul 2016 23:58

Tgt Ion:168 Resp: 1788038
Ion Ratio Lower Upper
168 100
139 46.7 36.4 54.6
169 15.7 11.9 17.9

