

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
 Data File : BG024703.D
 Acq On : 5 Nov 2016 8:52
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 99 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 06 23:44:53 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	92686	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	371680	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	278865	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	658628	20.00	ng	0.00
75) Chrysene-d12	21.92	240	919947	20.00	ng	0.00
86) Perylene-d12	25.35	264	951250	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	467295	82.63	ng	0.00
7) Phenol-d6	7.40	99	676937	87.27	ng	0.00
23) Nitrobenzene-d5	9.44	82	683708	83.75	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	371408	89.15	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1432750	85.39	ng	0.00
78) Terphenyl-d14	20.21	244	2546959	82.73	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.67	88	97301	42.12	ng	90
3) Pyridine	4.07	79	285482	41.27	ng	88
4) n-Nitrosodimethylamine	3.99	42	142974	39.93	ng	# 87
6) Aniline	7.59	93	408322	41.55	ng	95
8) 2-Chlorophenol	7.83	128	241200	41.95	ng	97
9) Benzaldehyde	7.40	77	190186	39.67	ng	94
10) Phenol	7.43	94	342410	42.82	ng	90
11) bis(2-Chloroethyl)ether	7.67	93	244444	40.69	ng	90
12) 1,3-Dichlorobenzene	8.15	146	299353	42.06	ng	96
13) 1,4-Dichlorobenzene	8.30	146	299093	42.54	ng	96
14) 1,2-Dichlorobenzene	8.63	146	276452	40.90	ng	94
15) Benzyl Alcohol	8.50	79	288497	39.98	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.78	45	437828	39.28	ng	95
17) 2-Methylphenol	8.70	107	219680	41.46	ng	95
18) Hexachloroethane	9.35	117	111473	41.25	ng	97
19) n-Nitroso-di-n-propylamine	9.07	70	226098	39.55	ng	95
20) 3+4-Methylphenols	9.03	107	311815	43.83	ng	93
22) Acetophenone	9.09	105	400880	41.99	ng	# 91
24) Nitrobenzene	9.48	77	378267	41.65	ng	96
25) Isophorone	10.00	82	602572	39.68	ng	96
26) 2-Nitrophenol	10.19	139	151343	44.90	ng	88
27) 2,4-Dimethylphenol	10.24	122	248281	42.07	ng	97
28) bis(2-Chloroethoxy)methane	10.48	93	327539	41.69	ng	99
29) 2,4-Dichlorophenol	10.73	162	265384	42.85	ng	94
30) 1,2,4-Trichlorobenzene	10.95	180	303542	41.31	ng	96
31) Naphthalene	11.15	128	760403	41.01	ng	99
32) Benzoic acid	10.36	122	162600	33.09	ng	86
33) 4-Chloroaniline	11.25	127	340088	42.25	ng	# 95
34) Hexachlorobutadiene	11.41	225	241926	42.07	ng	99
35) Caprolactam	12.02	113	89167	39.32	ng	# 78
36) 4-Chloro-3-methylphenol	12.34	107	316006	42.26	ng	98
37) 2-Methylnaphthalene	12.73	142	562552	41.58	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	397333	42.24	ng	97
40) Hexachlorocyclopentadiene	13.06	237	192310	36.31	ng	91

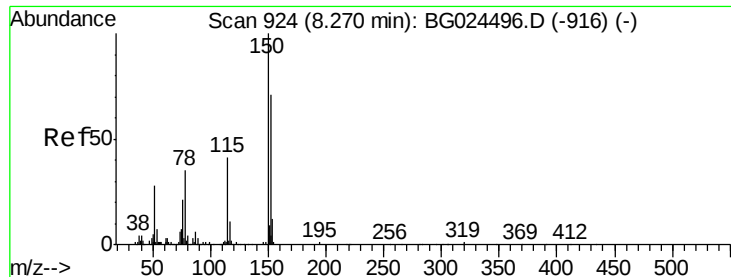
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
 Data File : BG024703.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	253765	44.89	ng	95
43) 2,4,5-Trichlorophenol	13.39	196	269910	44.16	ng	97
45) 1,1'-Biphenyl	13.72	154	811938	41.96	ng	96
46) 2-Chloronaphthalene	13.77	162	611042	41.47	ng	96
47) 2-Nitroaniline	13.97	65	262751	43.55	ng	97
48) Acenaphthylene	14.61	152	936306	41.43	ng	96
49) Dimethylphthalate	14.33	163	815408	41.19	ng	98
50) 2,6-Dinitrotoluene	14.45	165	184581	43.67	ng	# 84
51) Acenaphthene	14.95	154	629372	37.36	ng	99
52) 3-Nitroaniline	14.78	138	192684	44.06	ng	99
53) 2,4-Dinitrophenol	14.98	184	121774	39.76	ng	94
54) Dibenzofuran	15.28	168	979704	42.07	ng	97
55) 4-Nitrophenol	15.08	139	162480	42.64	ng	# 84
56) 2,4-Dinitrotoluene	15.24	165	279506	45.51	ng	# 95
57) Fluorene	15.92	166	813601	42.13	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.49	232	272354	42.98	ng	# 94
59) Diethylphthalate	15.68	149	841165	40.53	ng	97
60) 4-Chlorophenyl-phenylether	15.91	204	456904	42.16	ng	95
61) 4-Nitroaniline	15.95	138	214012	44.79	ng	89
62) Azobenzene	16.20	77	845310	40.83	ng	97
64) 4,6-Dinitro-2-methylphenol	15.99	198	174920	38.55	ng	87
65) n-Nitrosodiphenylamine	16.12	169	735972	40.87	ng	96
66) 4-Bromophenyl-phenylether	16.80	248	335952	42.02	ng	94
67) Hexachlorobenzene	16.92	284	360375	40.79	ng	90
68) Atrazine	17.06	200	299040	38.72	ng	98
69) Pentachlorophenol	17.26	266	211238	36.23	ng	95
70) Phenanthrene	17.67	178	1381839	41.16	ng	95
71) Anthracene	17.76	178	1408339	41.58	ng	99
72) Carbazole	18.03	167	1287811	41.69	ng	98
73) Di-n-butylphthalate	18.55	149	1464868	41.13	ng	98
74) Fluoranthene	19.66	202	1829904	43.12	ng	96
76) Benzidine	19.84	184	762802	35.19	ng	99
77) Pyrene	20.02	202	1887408	41.97	ng	99
79) Butylbenzylphthalate	20.88	149	760250	40.55	ng	99
80) Benzo(a)anthracene	21.90	228	2038424	40.34	ng	97
81) 3,3'-Dichlorobenzidine	21.80	252	775857	38.05	ng	98
82) Chrysene	21.97	228	1969405	40.92	ng	99
83) Bis(2-ethylhexyl)phthalate	21.76	149	1054933	39.33	ng	99
84) Di-n-octyl phthalate	23.03	149	1799528	40.43	ng	# 93
85) Indeno(1,2,3-cd)pyrene	29.29	276	2465120	37.10	ng	# 96
87) Benzo(b)fluoranthene	24.25	252	2132957	41.48	ng	99
88) Benzo(k)fluoranthene	24.33	252	2017261	40.62	ng	97
89) Benzo(a)pyrene	25.19	252	2063807	41.08	ng	97
90) Dibenzo(a,h)anthracene	29.37	278	2124878	38.53	ng	99
91) Benzo(g,h,i)perylene	30.53	276	2086836	37.88	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

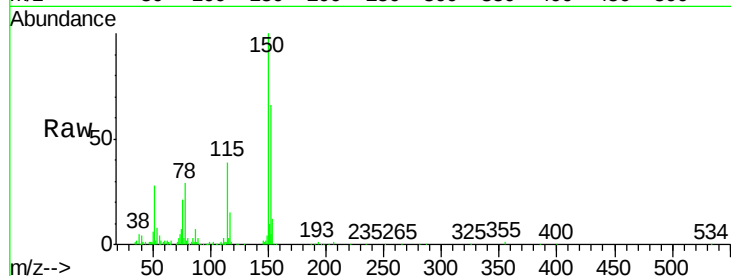
Tgt Ion:152 Resp: 92686

Ion Ratio Lower Upper

152 100

150 151.1 114.0 171.0

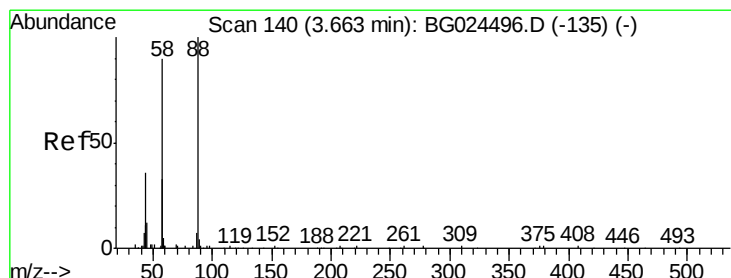
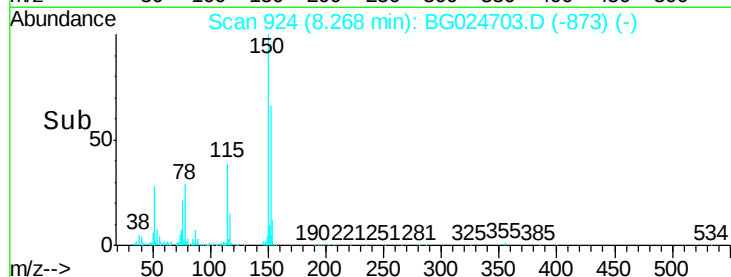
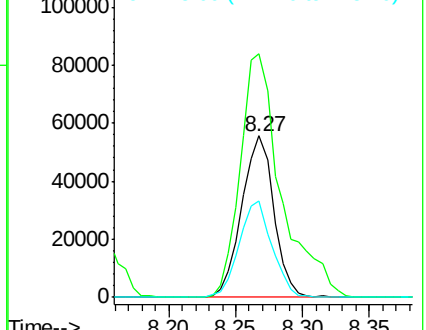
115 59.5 48.1 72.1



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: 42.12 ng

RT: 3.67 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

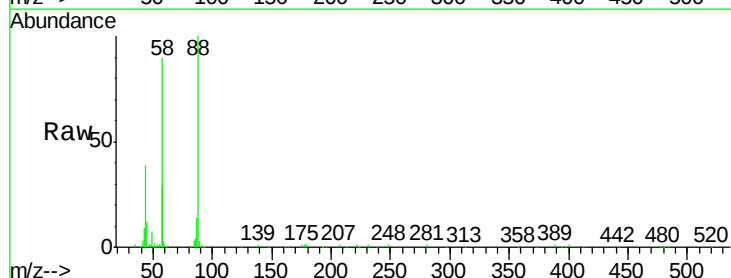
Tgt Ion: 88 Resp: 97301

Ion Ratio Lower Upper

88 100

58 88.3 79.4 119.2

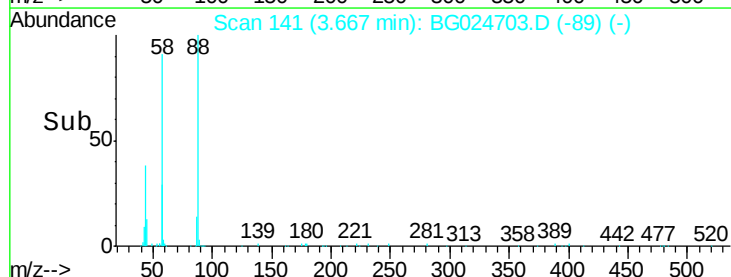
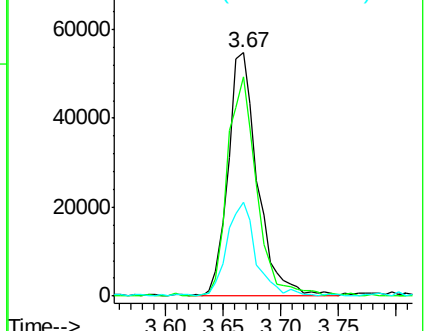
43 37.8 33.8 50.6

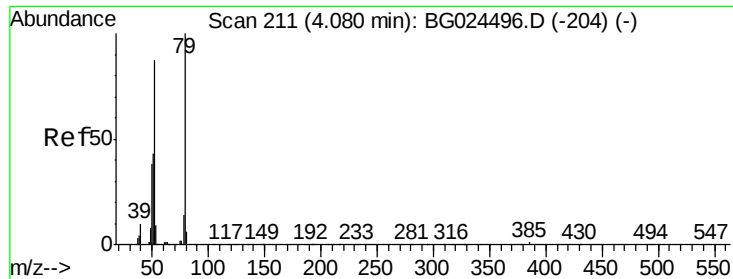


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 41.27 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

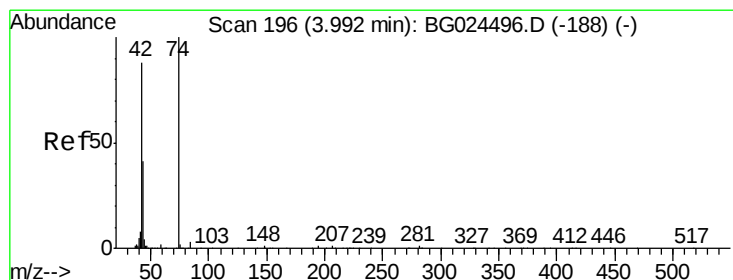
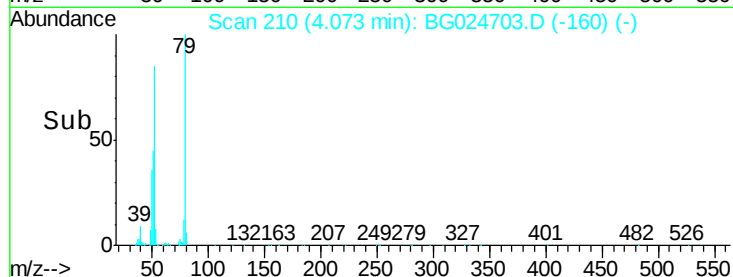
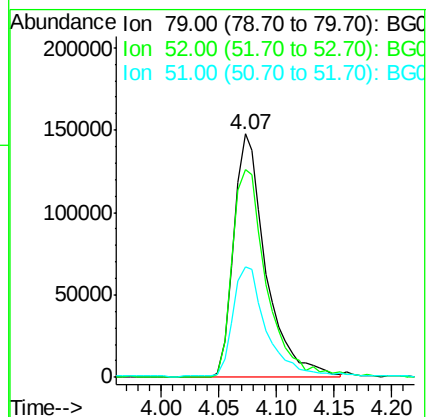
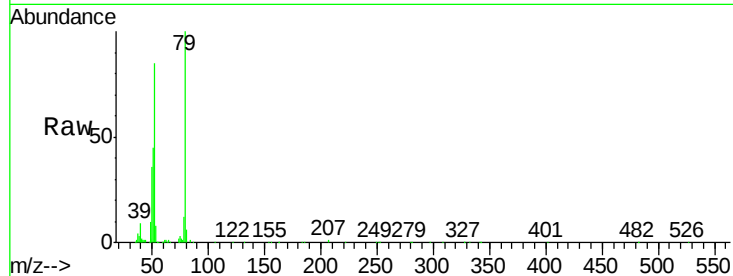
Tgt Ion: 79 Resp: 285482

Ion Ratio Lower Upper

79 100

52 85.2 77.8 116.6

51 45.4 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 39.93 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

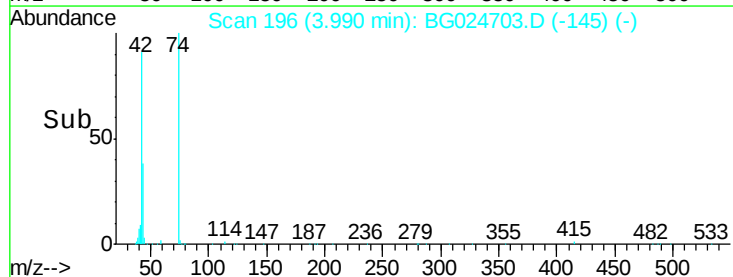
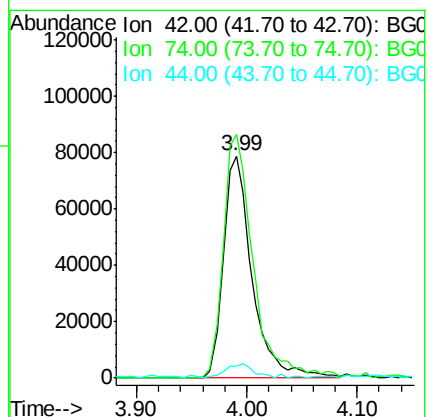
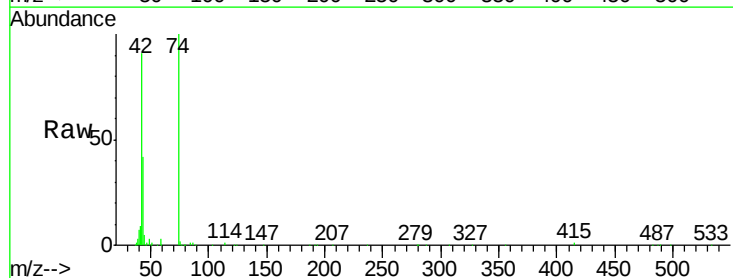
Tgt Ion: 42 Resp: 142974

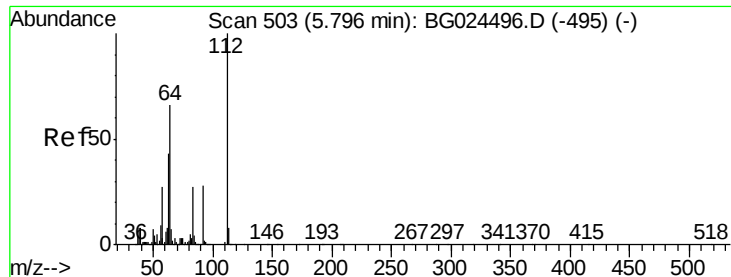
Ion Ratio Lower Upper

42 100

74 109.5 76.7 115.1

44 5.1 6.1 9.1#





#5

2-Fluorophenol

Concen: 82.63 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

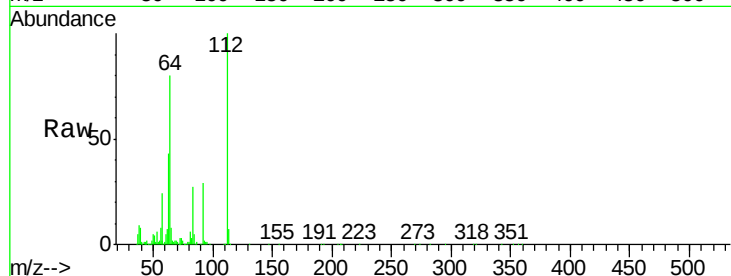
Tgt Ion:112 Resp: 467295

Ion Ratio Lower Upper

112 100

64 79.8 61.8 92.6

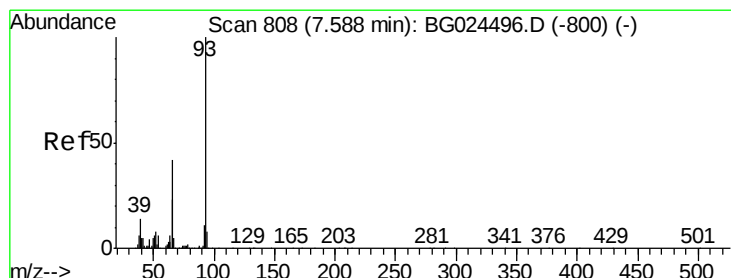
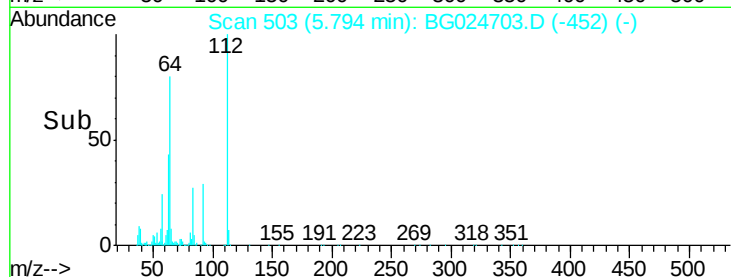
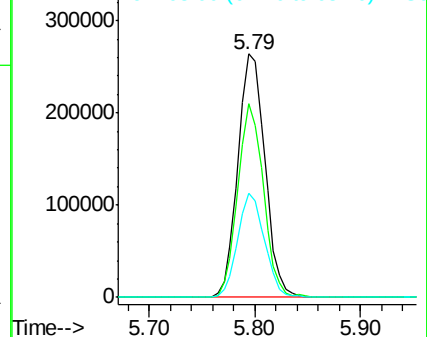
63 42.8 37.2 55.8



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: 41.55 ng

RT: 7.59 min Scan# 808

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

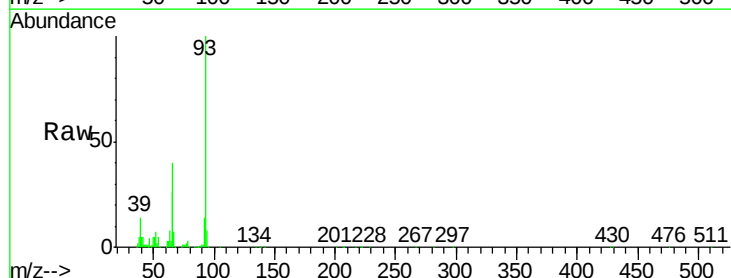
Tgt Ion: 93 Resp: 408322

Ion Ratio Lower Upper

93 100

66 40.3 35.4 53.2

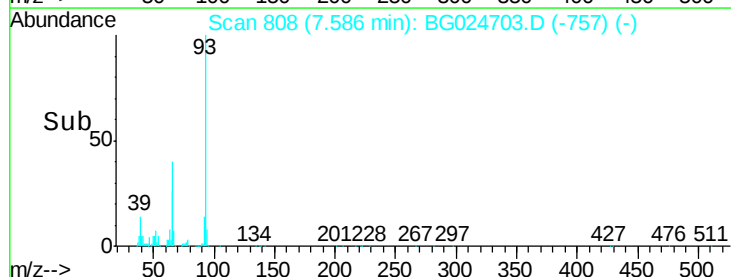
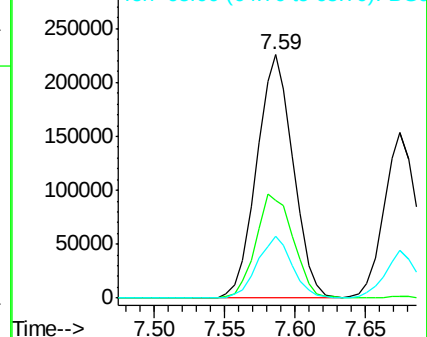
65 25.6 21.2 31.8

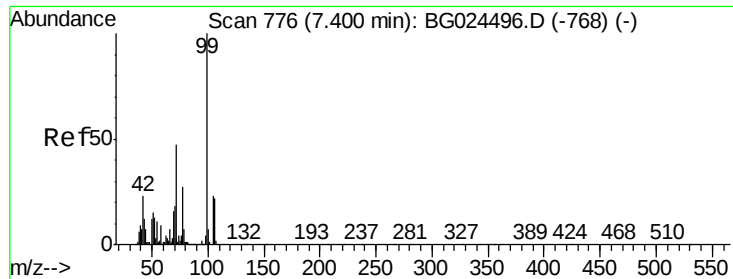


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 87.27 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

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SSTDCCC040

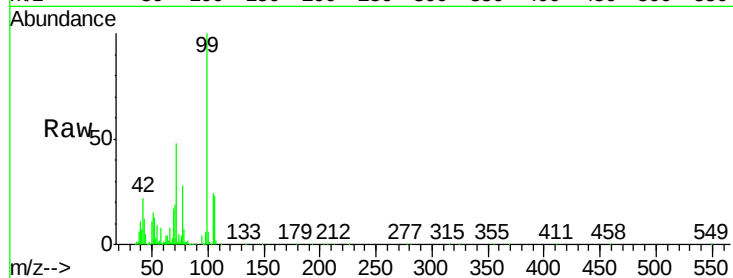
Tgt Ion: 99 Resp: 676937

Ion Ratio Lower Upper

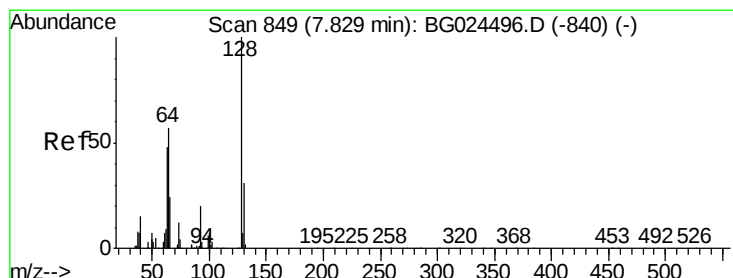
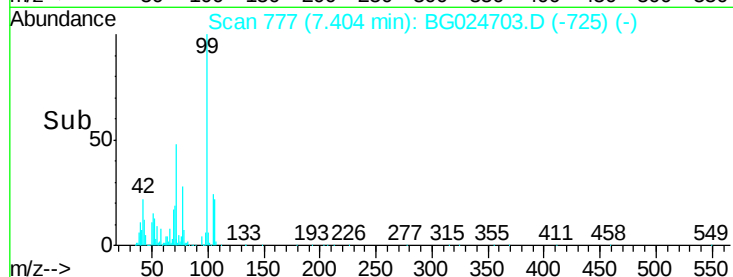
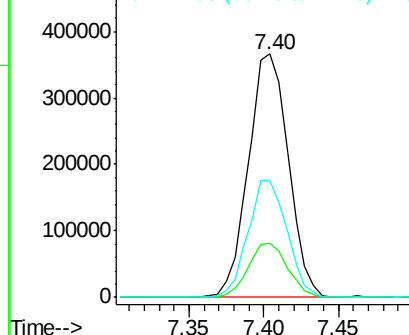
99 100

42 22.1 20.5 30.7

71 48.0 37.6 56.4



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: 41.95 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

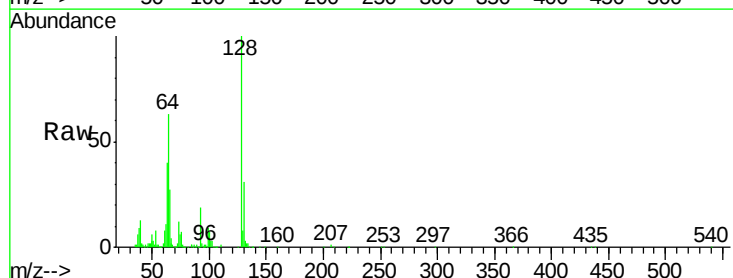
Tgt Ion: 128 Resp: 241200

Ion Ratio Lower Upper

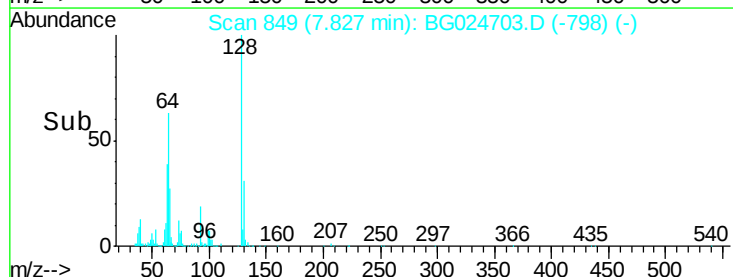
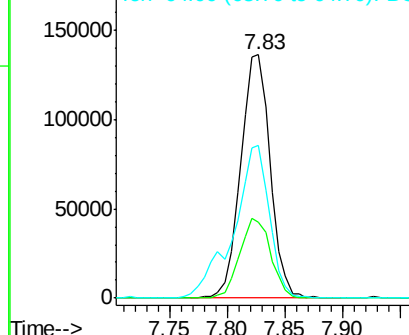
128 100

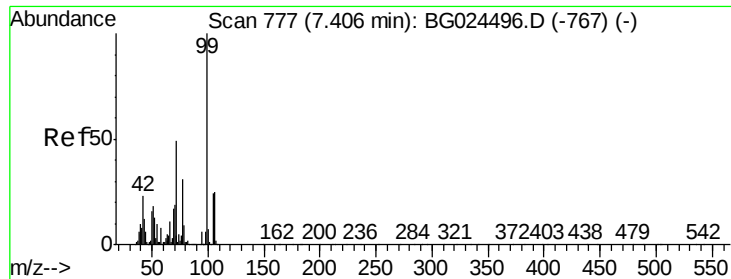
130 31.2 11.4 51.4

64 63.0 46.6 86.6



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: 39.67 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

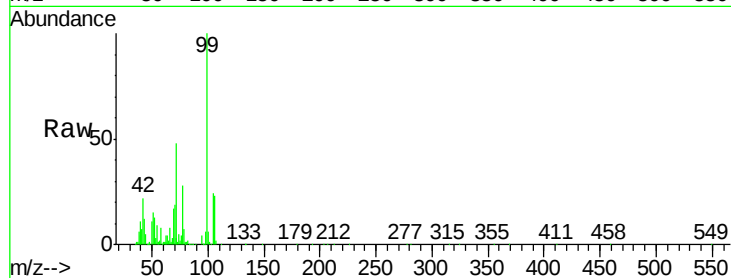
Tgt Ion: 77 Resp: 190186

Ion Ratio Lower Upper

77 100

105 86.2 60.9 100.9

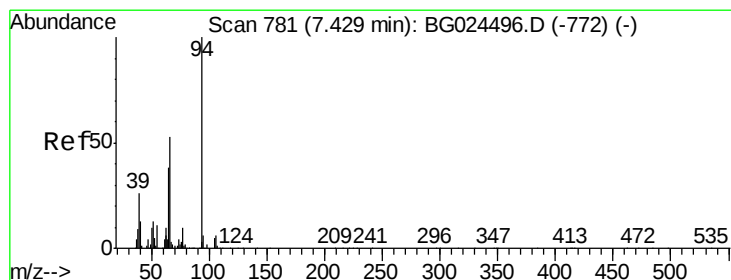
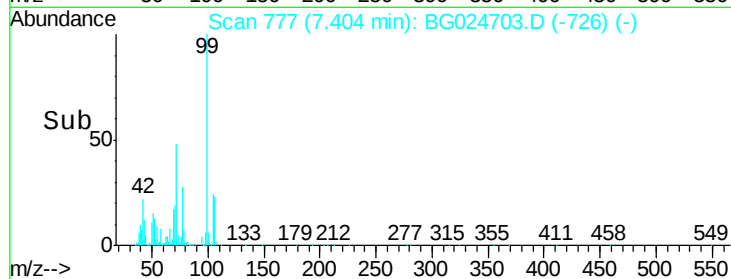
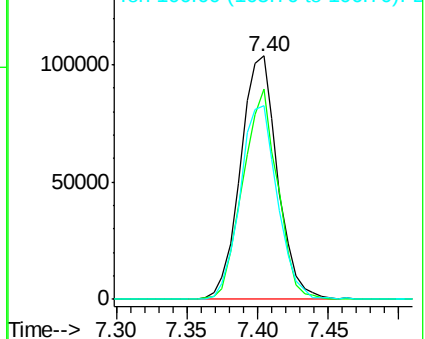
106 79.5 55.1 95.1



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: 42.82 ng

RT: 7.43 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

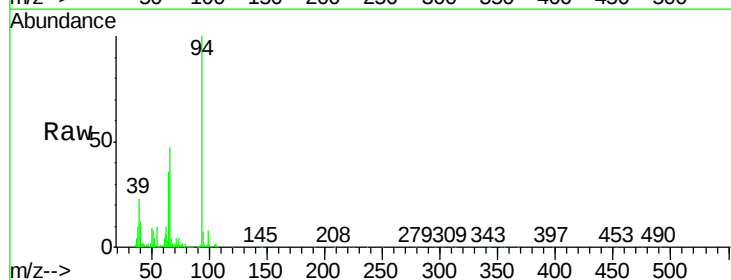
Tgt Ion: 94 Resp: 342410

Ion Ratio Lower Upper

94 100

65 35.7 20.6 60.6

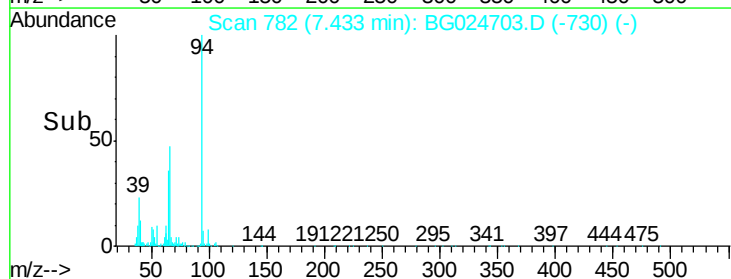
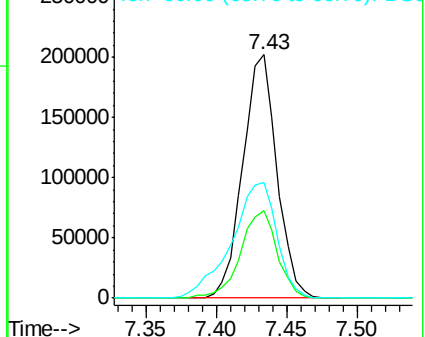
66 47.5 35.5 75.5

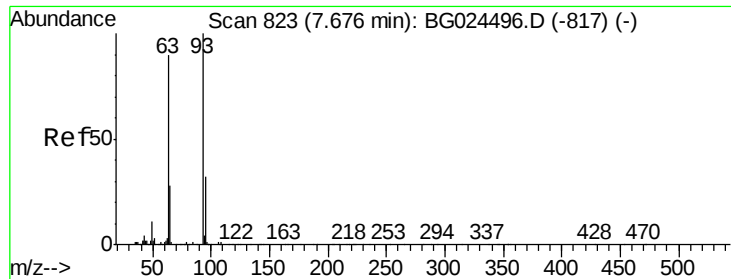


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

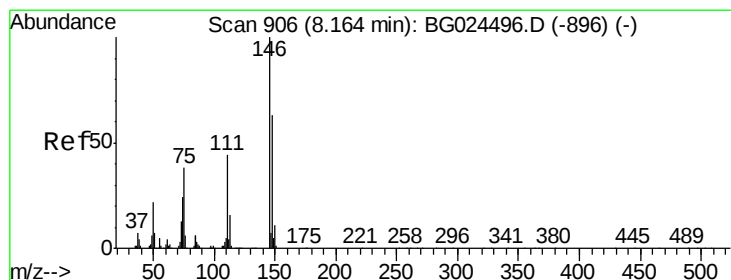
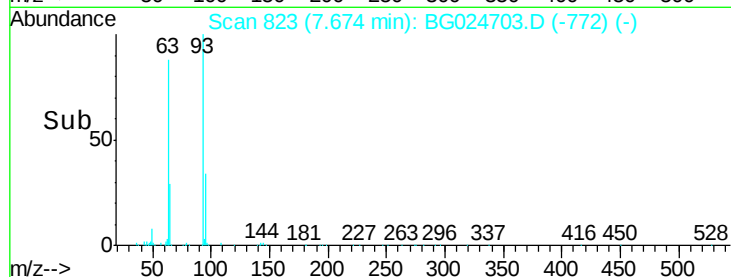
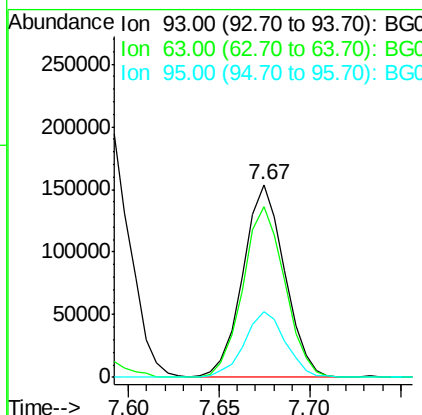
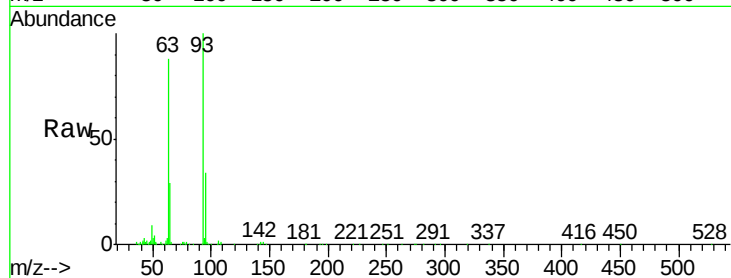




#11
bis(2-Chloroethyl)ether
Concen: 40.69 ng
RT: 7.67 min Scan# 823
Delta R.T. -0.00 min
Lab File: BG024703.D
Acq: 5 Nov 2016 8:52

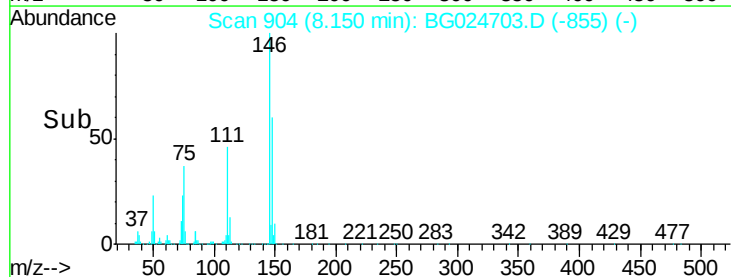
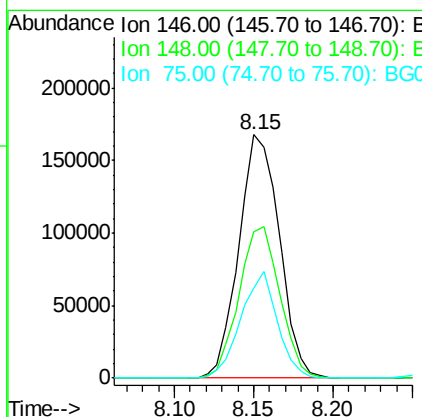
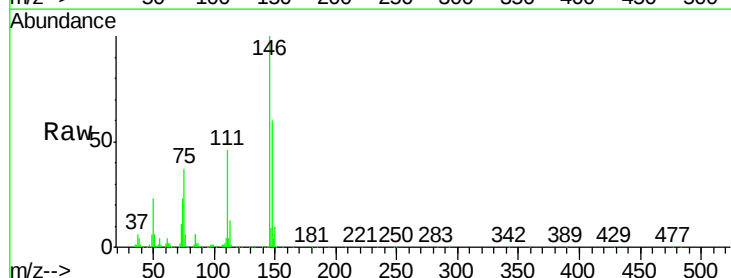
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

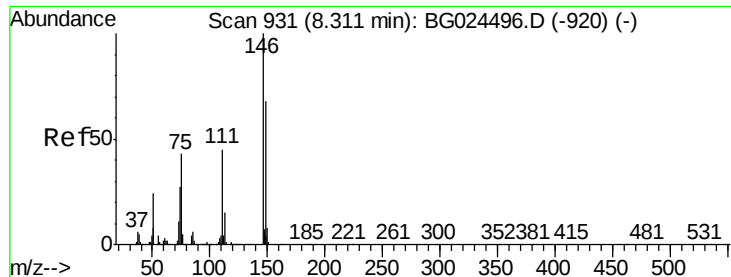
Tgt Ion: 93 Resp: 244444
Ion Ratio Lower Upper
93 100
63 88.4 78.5 118.5
95 33.9 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 42.06 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG024703.D
Acq: 5 Nov 2016 8:52

Tgt Ion: 146 Resp: 299353
Ion Ratio Lower Upper
146 100
148 60.3 49.2 73.8
75 37.0 33.4 50.2

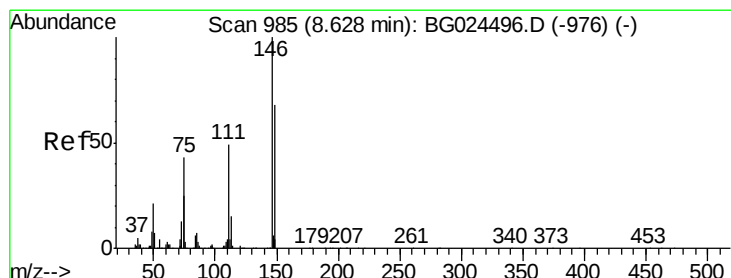
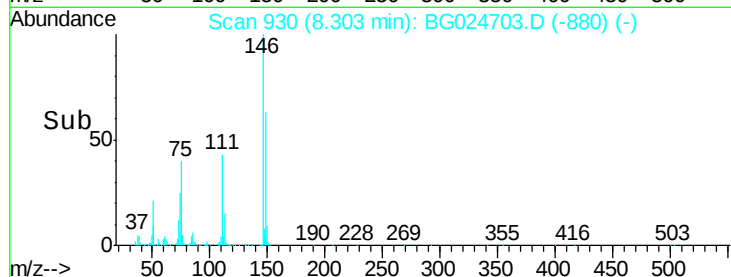
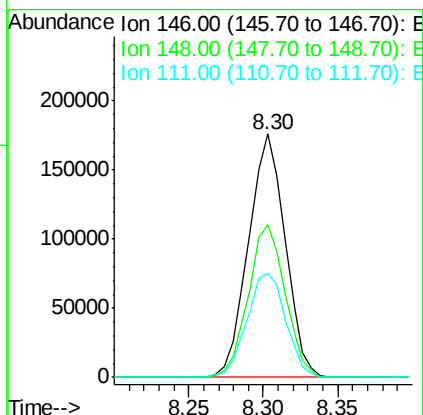
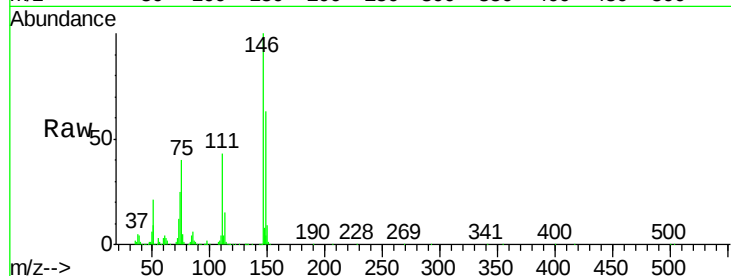




#13
 1,4-Dichlorobenzene
 Concen: 42.54 ng
 RT: 8.30 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BG024703.D
 Acq: 5 Nov 2016 8:52

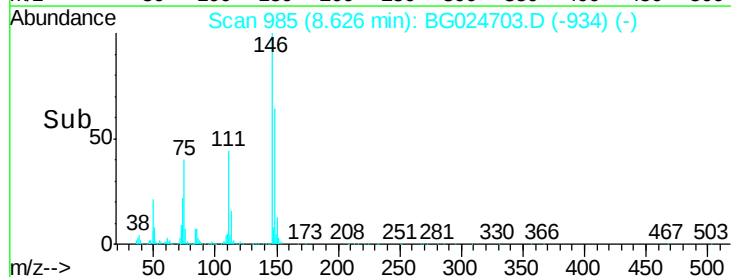
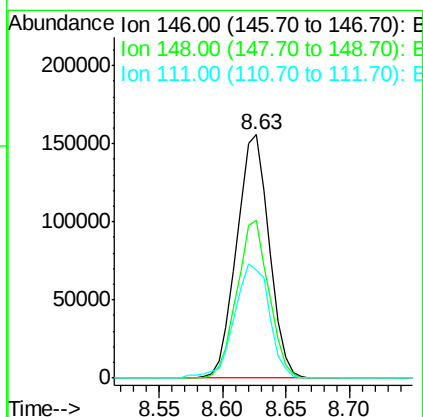
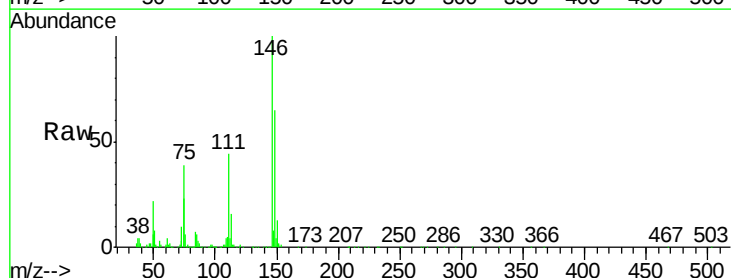
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

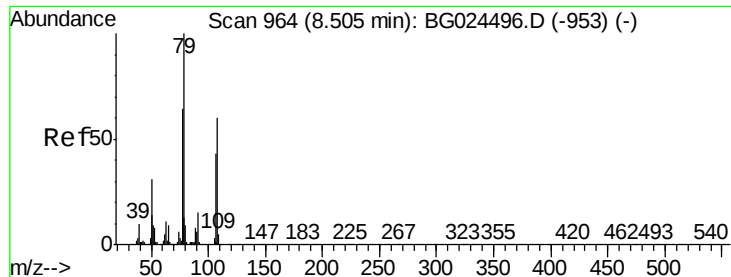
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	52.2	78.2
111	43.0	37.0	55.6



#14
 1,2-Dichlorobenzene
 Concen: 40.90 ng
 RT: 8.63 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: BG024703.D
 Acq: 5 Nov 2016 8:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	54.6	81.8
111	44.4	39.7	59.5





#15

Benzyl Alcohol

Concen: 39.98 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

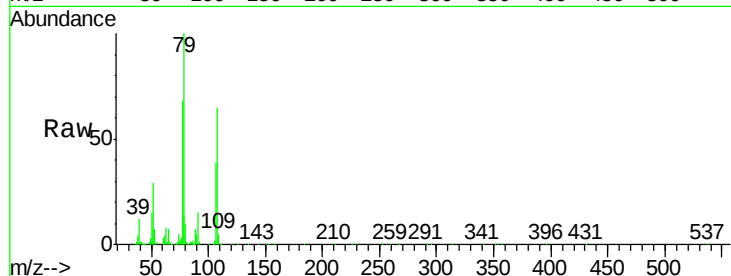
Tgt Ion: 79 Resp: 288497

Ion Ratio Lower Upper

79 100

108 65.4 45.5 68.3

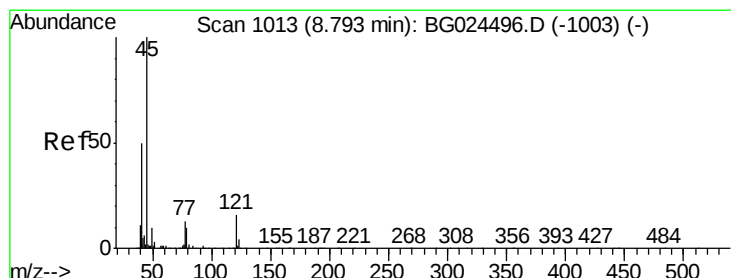
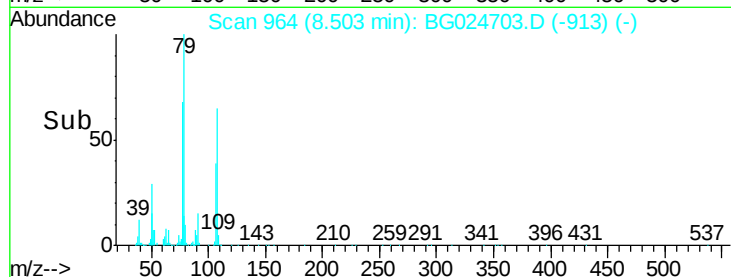
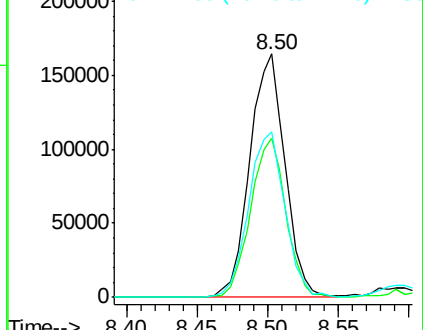
77 68.1 54.3 81.5



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.28 ng

RT: 8.78 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

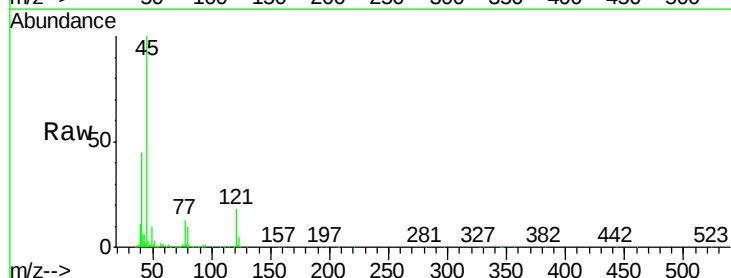
Tgt Ion: 45 Resp: 437828

Ion Ratio Lower Upper

45 100

77 12.9 0.0 30.6

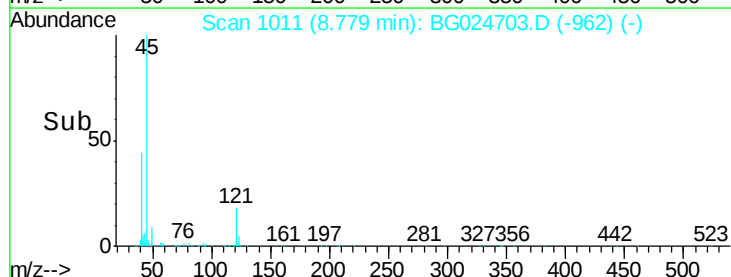
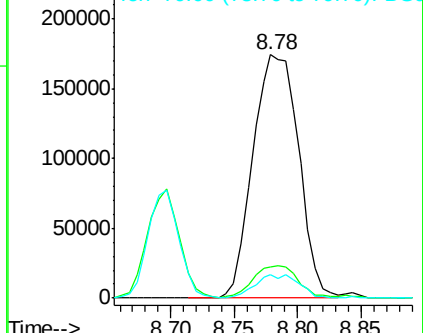
79 9.6 0.0 28.5

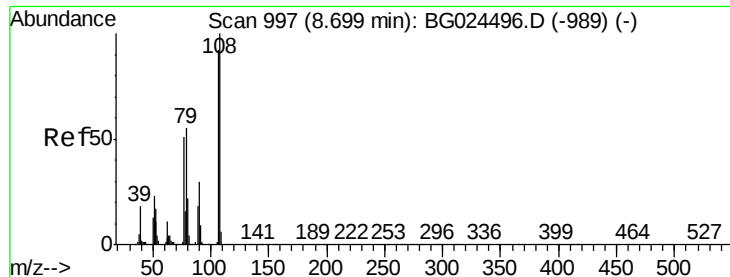


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 41.46 ng

RT: 8.70 min Scan# 997

Delta R.T. -0.00 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 219680

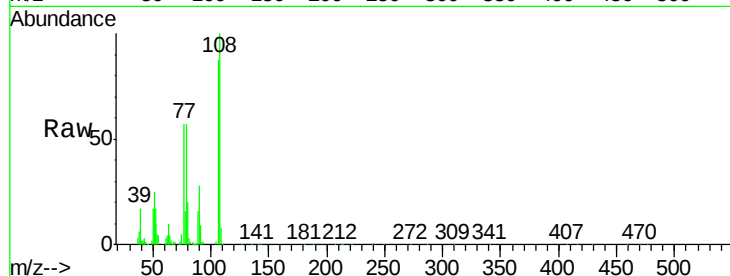
Ion Ratio Lower Upper

107 100

108 114.8 85.6 128.4

77 65.5 51.4 77.2

79 64.9 49.2 73.8

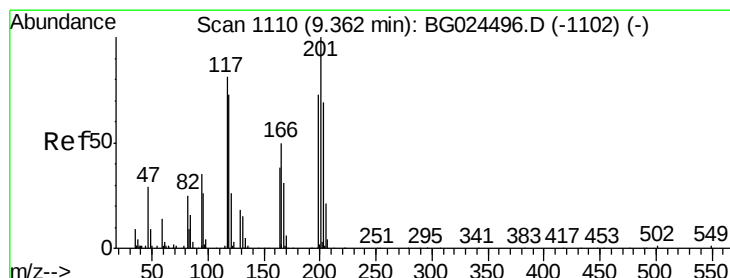
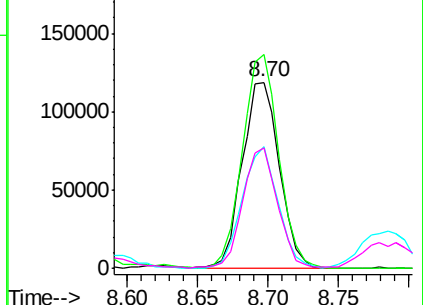
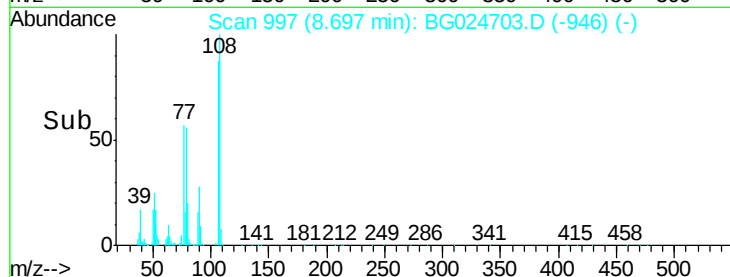


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 41.25 ng

RT: 9.35 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BG024703.D

Acq: 5 Nov 2016 8:52

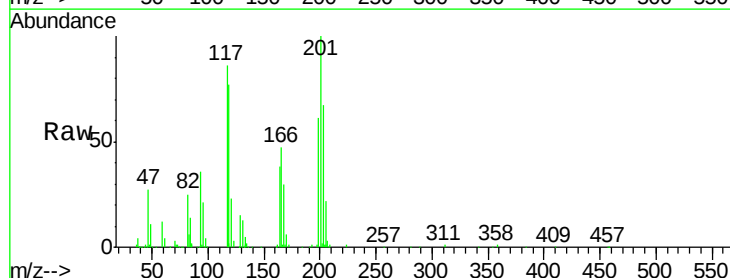
Tgt Ion:117 Resp: 111473

Ion Ratio Lower Upper

117 100

119 90.1 69.8 104.6

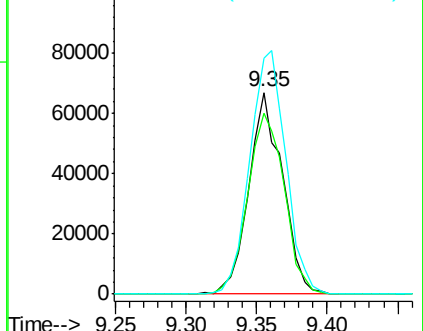
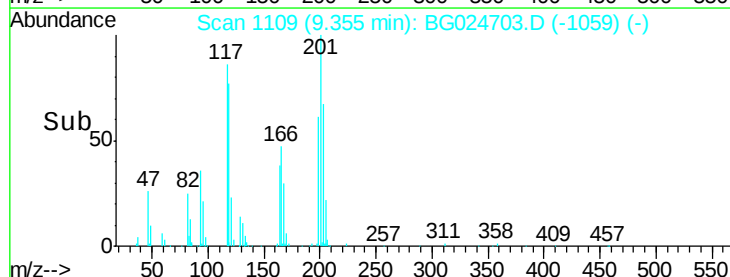
201 116.8 95.4 143.0

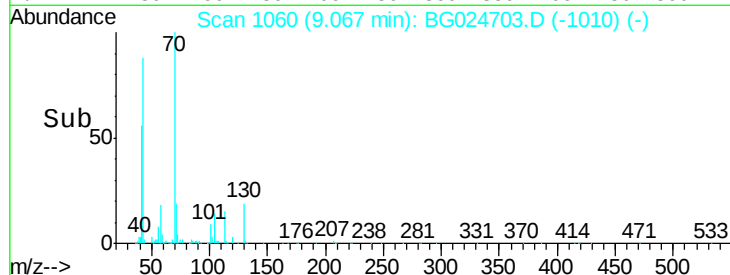
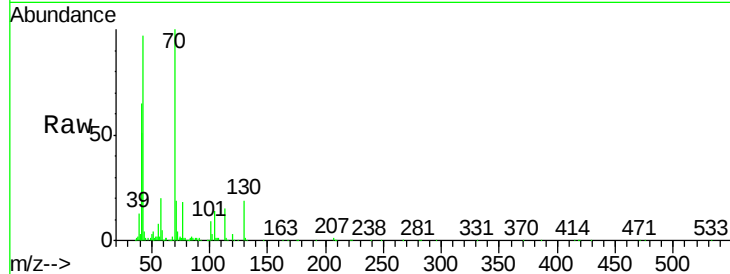
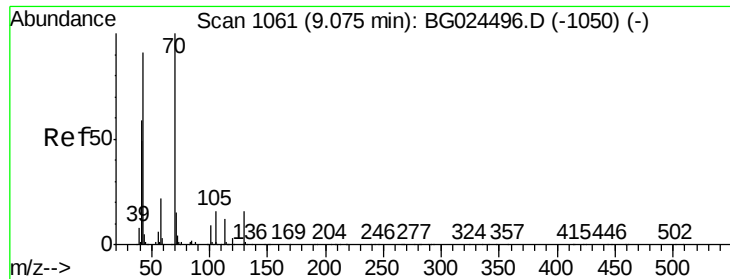


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

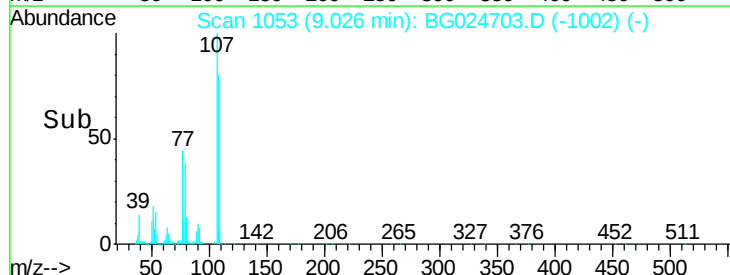
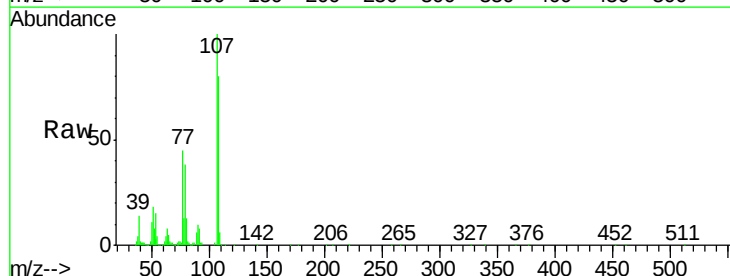
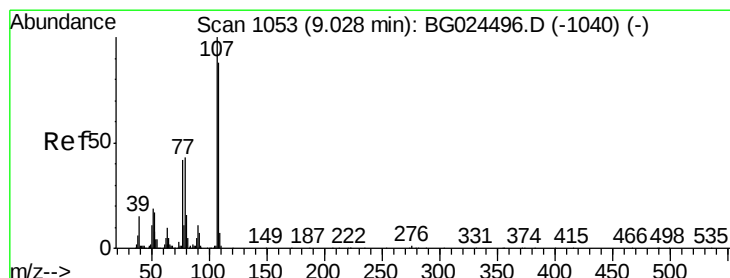
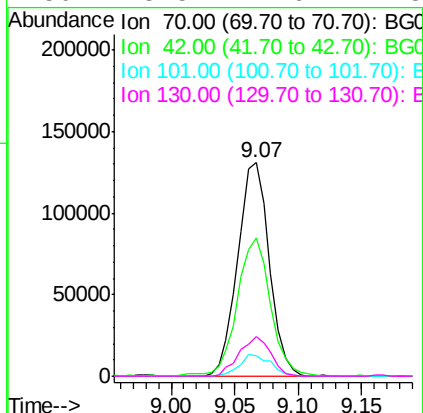




#19
n-Nitroso-di-n-propylamine
Concen: 39.55 ng
RT: 9.07 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG024703.D
Acq: 5 Nov 2016 8:52

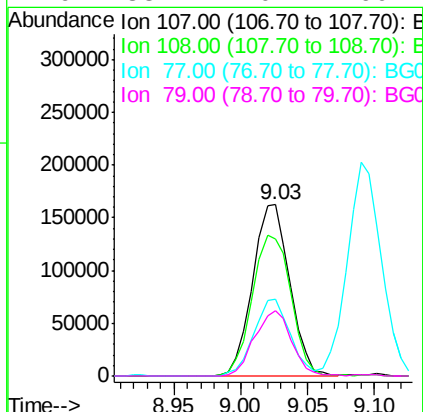
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

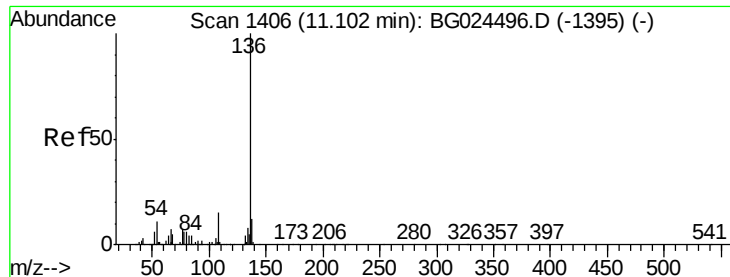
Tgt Ion:	70	Resp:	226098
Ion	Ratio	Lower	Upper
70	100		
42	64.8	56.1	84.1
101	9.5	7.5	11.3
130	18.5	14.6	21.8



#20
3+4-Methylphenols
Concen: 43.83 ng
RT: 9.03 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BG024703.D
Acq: 5 Nov 2016 8:52

Tgt Ion:	107	Resp:	311815
Ion	Ratio	Lower	Upper
107	100		
108	80.4	70.8	110.8
77	45.1	25.8	65.8
79	38.4	20.1	60.1

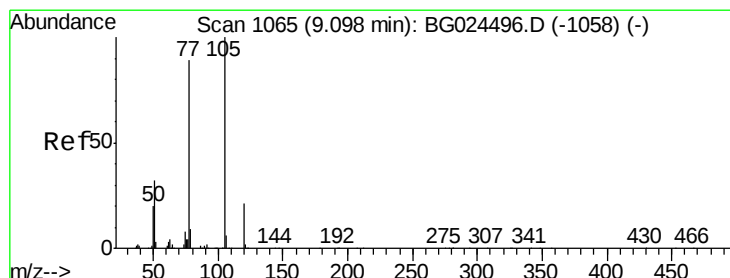
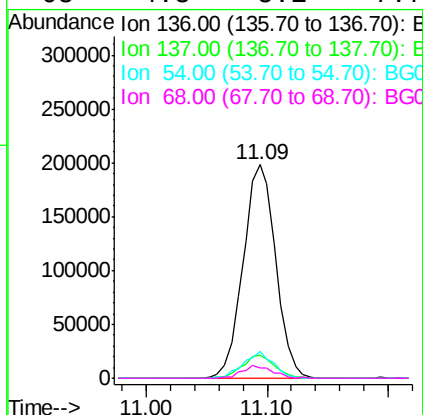
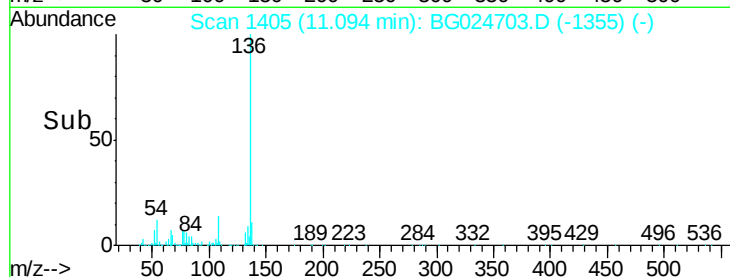
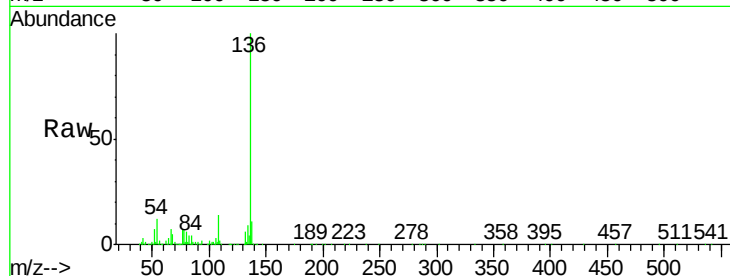




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG024703.D
Acq: 5 Nov 2016 8:52

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:	136	Resp:	371680
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	12.4	9.3	13.9
68	4.8	5.1	7.7#



#22
Acetophenone
Concen: 41.99 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG024703.D
Acq: 5 Nov 2016 8:52

Tgt Ion:	105	Resp:	400880
Ion Ratio	Lower	Upper	
105	100		
71	0.4	0.9	1.3#
51	34.9	34.0	51.0
120	19.5	17.3	25.9

