

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042115\
 Data File : BG016600.D
 Acq On : 22 Apr 2015 1:02
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Apr 22 05:03:06 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 02:10:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	62991	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	279284	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	156412	20.00	ng	0.00
63) Phenanthrene-d10	17.02	188	312257	20.00	ng	0.00
75) Chrysene-d12	21.21	240	298477	20.00	ng	0.00
86) Perylene-d12	23.42	264	288775	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	321084	81.70	ng	0.00
7) Phenol-d6	6.83	99	443230	80.72	ng	0.00
23) Nitrobenzene-d5	8.80	82	373269	82.30	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	88563	83.37	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	779956	82.58	ng	0.00
78) Terphenyl-d14	19.66	244	1012783	81.75	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.10	88	72307	40.91	ng	98
3) Pyridine	3.50	79	201135	41.14	ng	100
4) n-Nitrosodimethylamine	3.43	42	59304	40.52	ng	95
6) Aniline	6.97	93	301898	39.81	ng	99
8) 2-Chlorophenol	7.21	128	193042	41.14	ng	97
9) Benzaldehyde	6.78	77	86334	34.55	ng	96
10) Phenol	6.85	94	234418	40.36	ng	98
11) bis(2-Chloroethyl)ether	7.07	93	178289	39.21	ng	99
12) 1,3-Dichlorobenzene	7.52	146	197230	40.26	ng	98
13) 1,4-Dichlorobenzene	7.67	146	201998	40.51	ng	99
14) 1,2-Dichlorobenzene	7.99	146	190047	40.06	ng	99
15) Benzyl Alcohol	7.88	79	142509	40.78	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.18	45	173705	39.45	ng	97
17) 2-Methylphenol	8.09	107	156284	39.93	ng	99
18) Hexachloroethane	8.70	117	73154	40.86	ng	98
19) n-Nitroso-di-n-propylamine	8.45	70	139052	39.17	ng	97
20) 3+4-Methylphenols	8.42	107	216458	40.15	ng	99
22) Acetophenone	8.46	105	253789	40.80	ng	# 98
24) Nitrobenzene	8.84	77	194514	41.20	ng	99
25) Isophorone	9.36	82	384911	41.45	ng	100
26) 2-Nitrophenol	9.54	139	111646	42.84	ng	97
27) 2,4-Dimethylphenol	9.61	122	184773	41.69	ng	97
28) bis(2-Chloroethoxy)methane	9.84	93	227520	40.86	ng	99
29) 2,4-Dichlorophenol	10.08	162	155307	42.38	ng	98
30) 1,2,4-Trichlorobenzene	10.29	180	162035	41.59	ng	94
31) Naphthalene	10.47	128	597772	41.00	ng	99
32) Benzoic acid	9.78	122	56333	38.94	ng	98
33) 4-Chloroaniline	10.59	127	274685	41.20	ng	99
34) Hexachlorobutadiene	10.75	225	71289	41.17	ng	97
35) Caprolactam	11.35	113	84989	40.05	ng	97
36) 4-Chloro-3-methylphenol	11.73	107	179294	40.51	ng	98
37) 2-Methylnaphthalene	12.09	142	422447	40.47	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.46	216	150154	41.73	ng	100
40) Hexachlorocyclopentadiene	12.44	237	50509	43.71	ng	100

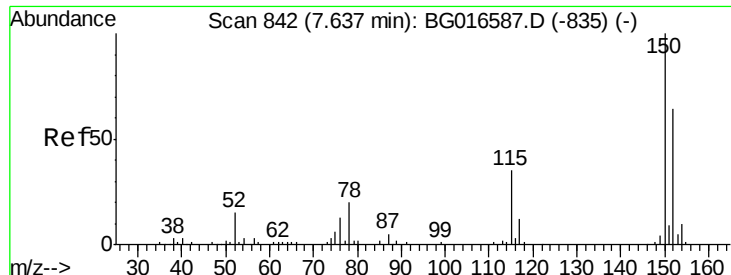
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042115\
 Data File : BG016600.D
 Acq On : 22 Apr 2015 1:02
 Operator : TP/IZ
 Sample : SSTDCCC040
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.71	196	109045	42.80	ng	99
43) 2,4,5-Trichlorophenol	12.79	196	115651	42.57	ng	98
45) 1,1'-Biphenyl	13.11	154	501799	41.66	ng	99
46) 2-Chloronaphthalene	13.15	162	382195	41.43	ng	100
47) 2-Nitroaniline	13.37	65	112365	41.76	ng	92
48) Acenaphthylene	14.00	152	673071	41.10	ng	99
49) Dimethylphthalate	13.75	163	468289	40.49	ng	99
50) 2,6-Dinitrotoluene	13.87	165	116115	40.88	ng	98
51) Acenaphthene	14.34	154	398659	40.80	ng	100
52) 3-Nitroaniline	14.20	138	145438	41.46	ng	99
53) 2,4-Dinitrophenol	14.42	184	42895	37.53	ng	93
54) Dibenzofuran	14.68	168	552746	40.18	ng	99
55) 4-Nitrophenol	14.53	139	106288	40.03	ng	99
56) 2,4-Dinitrotoluene	14.66	165	162606	41.60	ng	96
57) Fluorene	15.33	166	483359	39.87	ng	98
58) 2,3,4,6-Tetrachlorophenol	14.91	232	85756	41.83	ng	99
59) Diethylphthalate	15.11	149	484693	39.34	ng	99
60) 4-Chlorophenyl-phenylether	15.33	204	197692	39.72	ng	99
61) 4-Nitroaniline	15.36	138	166274	41.37	ng	98
62) Azobenzene	15.62	77	461608	40.36	ng	98
64) 4,6-Dinitro-2-methylphenol	15.43	198	85796	40.61	ng	93
65) n-Nitrosodiphenylamine	15.54	169	444987	42.51	ng	99
66) 4-Bromophenyl-phenylether	16.22	248	104704	42.60	ng	98
67) Hexachlorobenzene	16.33	284	107242	41.77	ng	99
68) Atrazine	16.50	200	120335	41.11	ng	98
69) Pentachlorophenol	16.68	266	46616	38.56	ng	97
70) Phenanthrene	17.06	178	723630	40.71	ng	99
71) Anthracene	17.16	178	737157	41.73	ng	100
72) Carbazole	17.43	167	752611	41.76	ng	100
73) Di-n-butylphthalate	17.99	149	917660	41.84	ng	100
74) Fluoranthene	19.09	202	790945	41.30	ng	100
76) Benzidine	19.27	184	429365	38.91	ng	99
77) Pyrene	19.45	202	821353	40.97	ng	98
79) Butylbenzylphthalate	20.35	149	449150	42.80	ng	100
80) Benzo(a)anthracene	21.19	228	738373	41.02	ng	99
81) 3,3'-Dichlorobenzidine	21.13	252	250261	42.00	ng	96
82) Chrysene	21.24	228	705526	40.83	ng	99
83) Bis(2-ethylhexyl)phthalate	21.12	149	616071	42.77	ng	99
84) Di-n-octyl phthalate	21.99	149	1028201	42.98	ng	100
85) Indeno(1,2,3-cd)pyrene	25.68	276	789867	41.65	ng	99
87) Benzo(b)fluoranthene	22.76	252	699415	40.59	ng	99
88) Benzo(k)fluoranthene	22.80	252	702812	41.58	ng	99
89) Benzo(a)pyrene	23.33	252	670812	41.00	ng	99
90) Dibenzo(a,h)anthracene	25.69	278	652393	41.04	ng	99
91) Benzo(g,h,i)perylene	26.37	276	654900	40.83	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.63 min Scan# 842

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

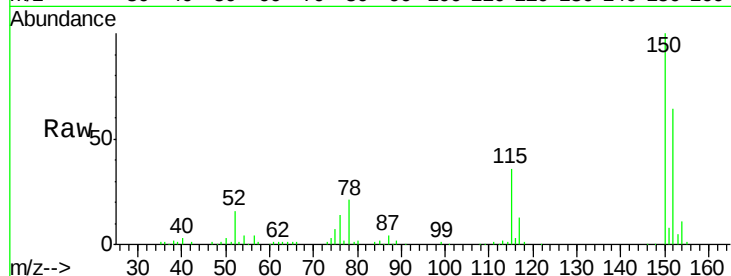
Tgt Ion:152 Resp: 62991

Ion Ratio Lower Upper

152 100

150 155.2 125.5 188.3

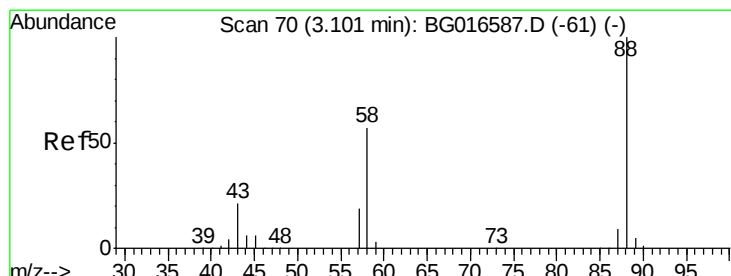
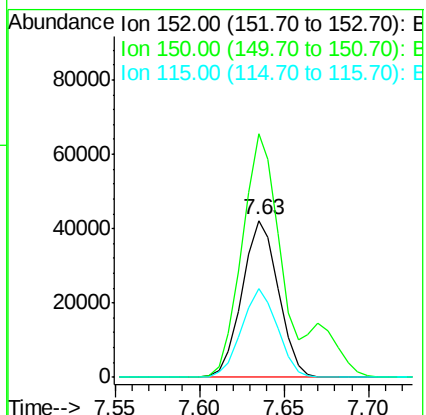
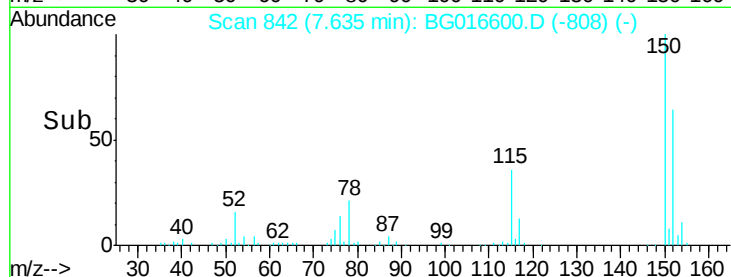
115 56.6 44.5 66.7



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: 40.91 ng

RT: 3.10 min Scan# 71

Delta R.T. 0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

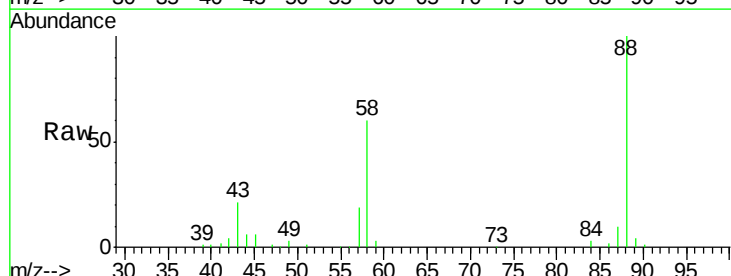
Tgt Ion: 88 Resp: 72307

Ion Ratio Lower Upper

88 100

58 59.3 46.0 69.0

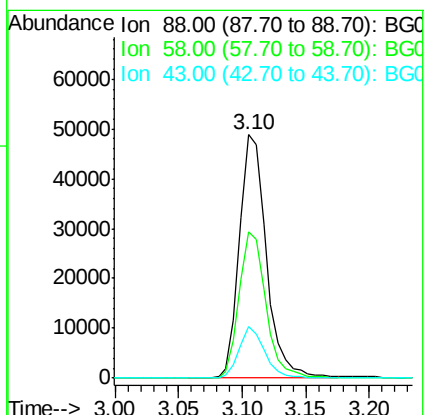
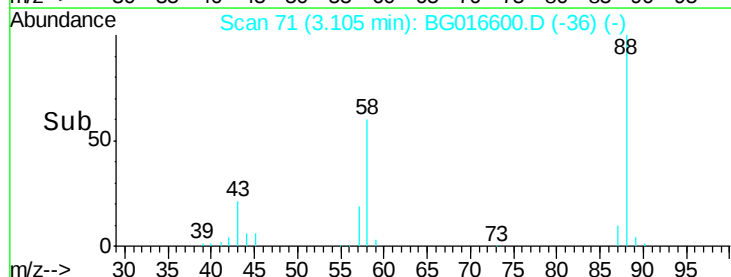
43 20.2 16.2 24.4

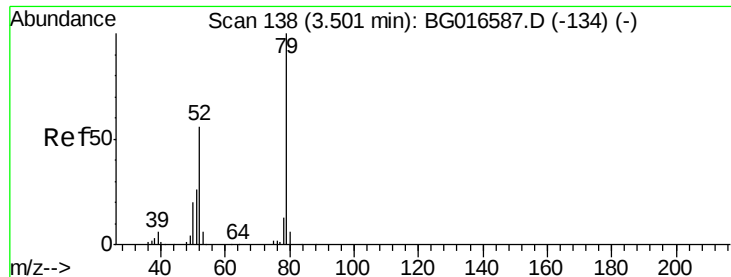


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

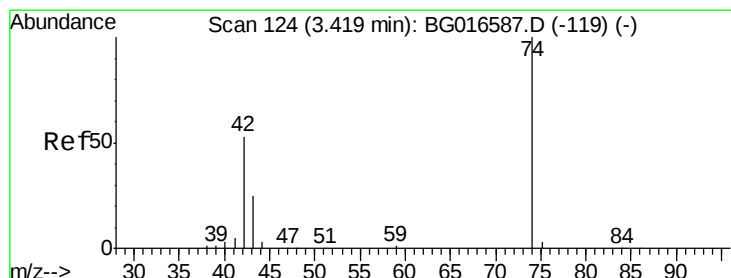
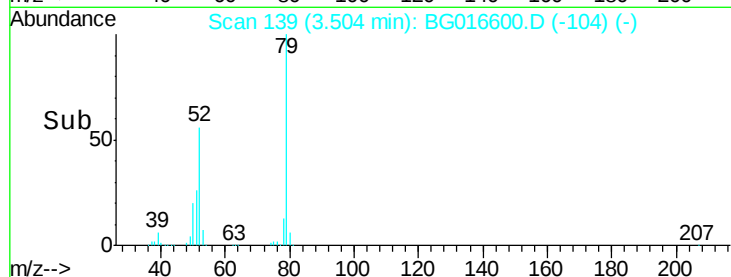
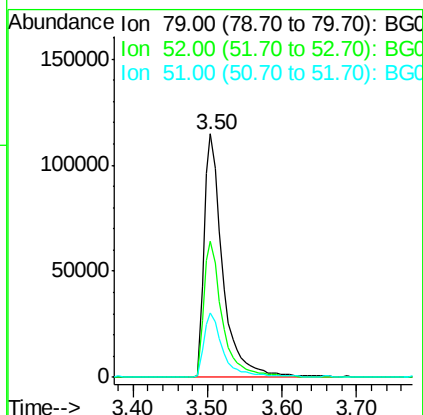
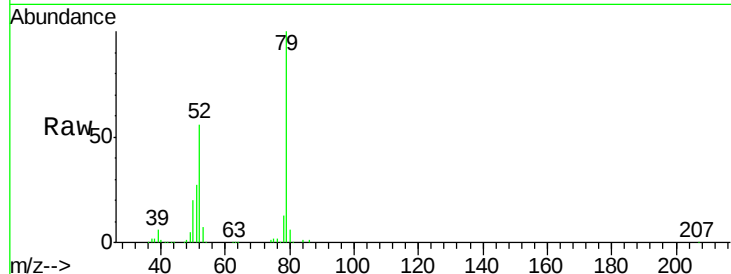




#3
 Pyridine
 Concen: 41.14 ng
 RT: 3.50 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: BG016600.D
 Acq: 22 Apr 2015 1:02

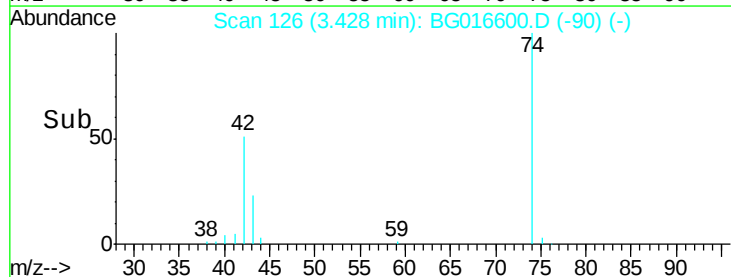
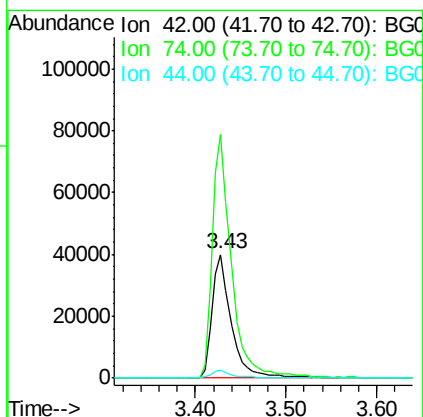
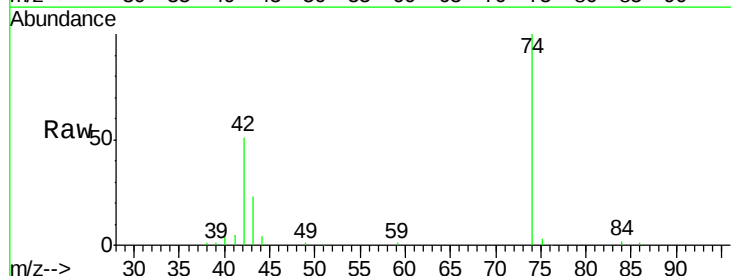
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

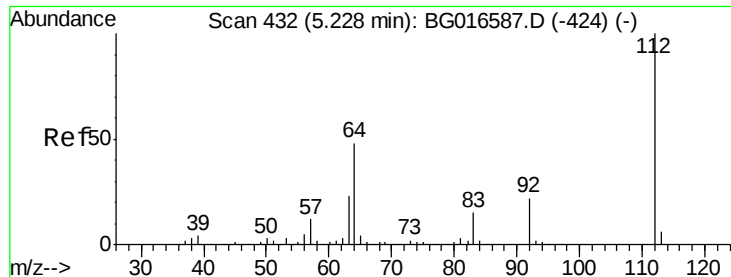
Tgt Ion: 79 Resp: 201135
 Ion Ratio Lower Upper
 79 100
 52 56.0 45.0 67.4
 51 26.6 21.4 32.0



#4
 n-Nitrosodimethylamine
 Concen: 40.52 ng
 RT: 3.43 min Scan# 126
 Delta R.T. 0.01 min
 Lab File: BG016600.D
 Acq: 22 Apr 2015 1:02

Tgt Ion: 42 Resp: 59304
 Ion Ratio Lower Upper
 42 100
 74 197.4 151.6 227.4
 44 7.0 4.9 7.3





#5

2-Fluorophenol

Concen: 81.70 ng

RT: 5.23 min Scan# 432

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

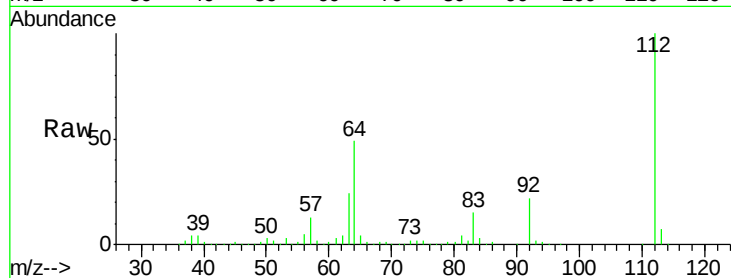
Tgt Ion: 112 Resp: 321084

Ion Ratio Lower Upper

112 100

64 49.3 38.5 57.7

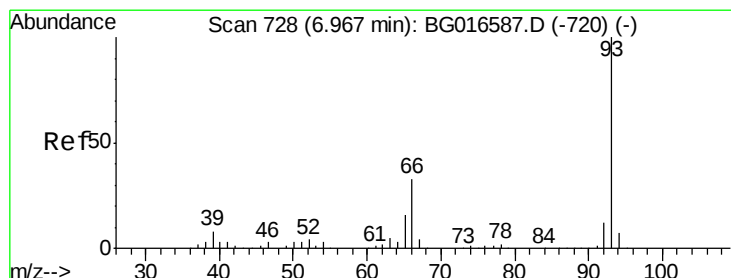
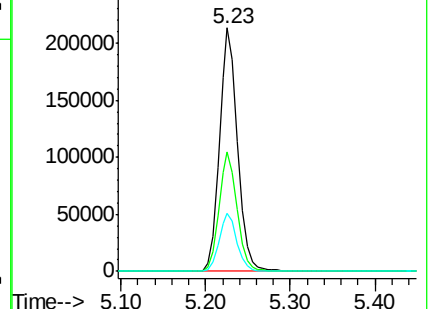
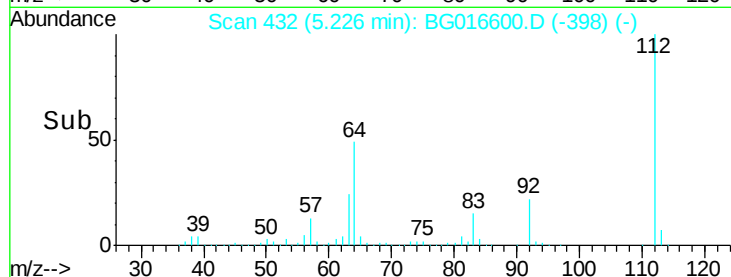
63 24.0 18.2 27.4



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: 39.81 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

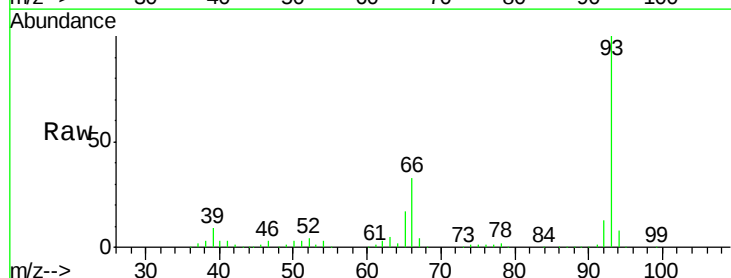
Tgt Ion: 93 Resp: 301898

Ion Ratio Lower Upper

93 100

66 32.8 26.1 39.1

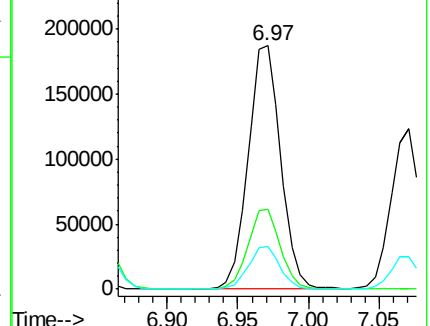
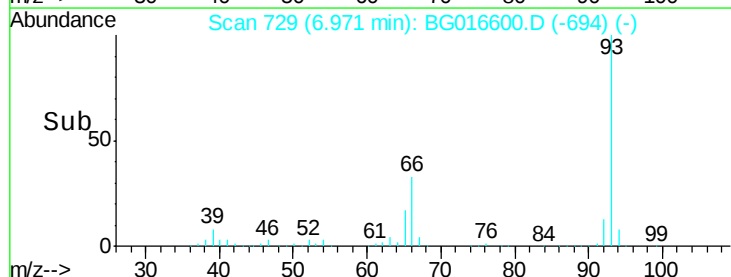
65 17.5 13.0 19.6

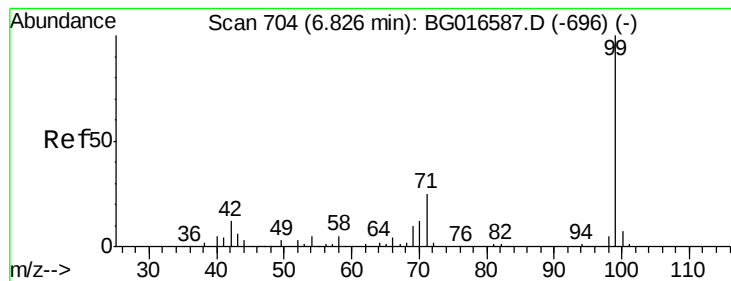


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 80.72 ng

RT: 6.83 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

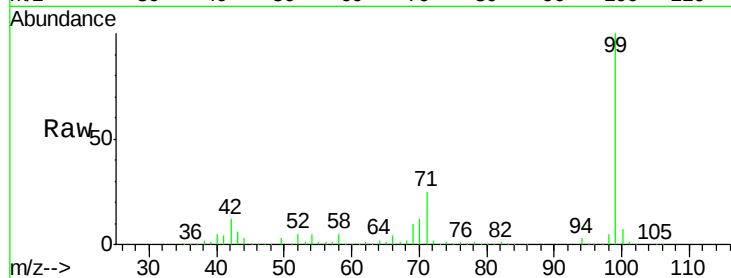
Tgt Ion: 99 Resp: 443230

Ion Ratio Lower Upper

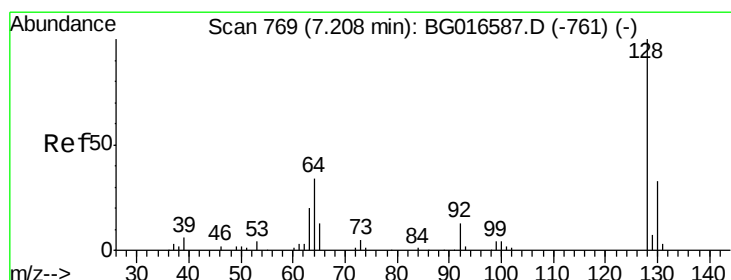
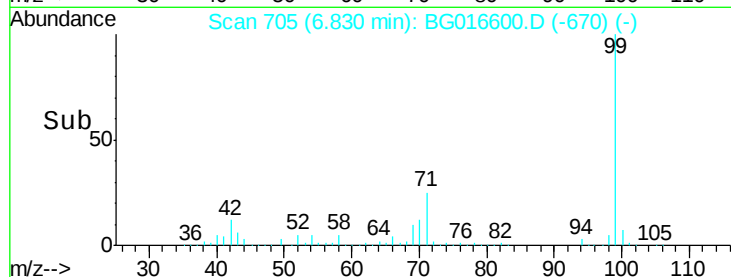
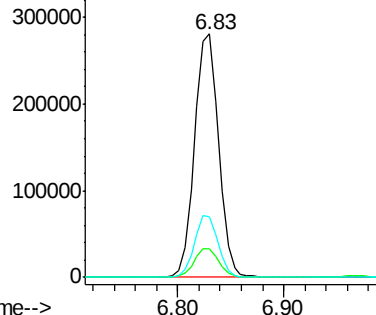
99 100

42 11.5 9.5 14.3

71 24.9 20.2 30.2



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: 41.14 ng

RT: 7.21 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

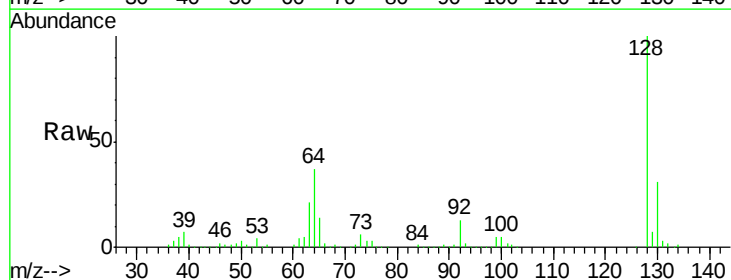
Tgt Ion: 128 Resp: 193042

Ion Ratio Lower Upper

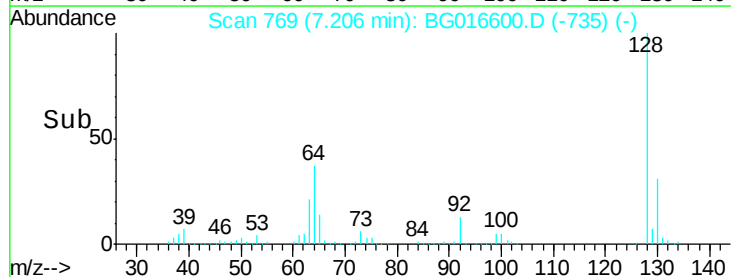
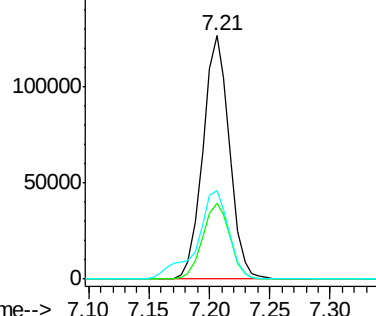
128 100

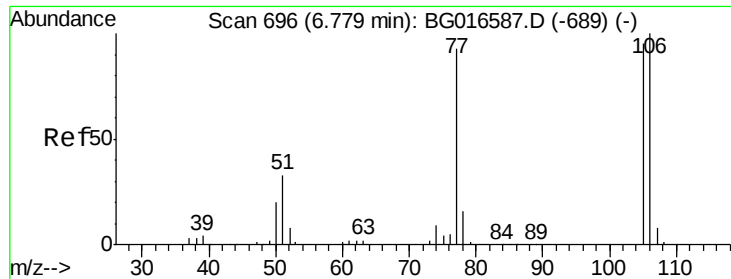
130 31.0 13.5 53.5

64 36.7 17.9 57.9



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: 34.55 ng

RT: 6.78 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

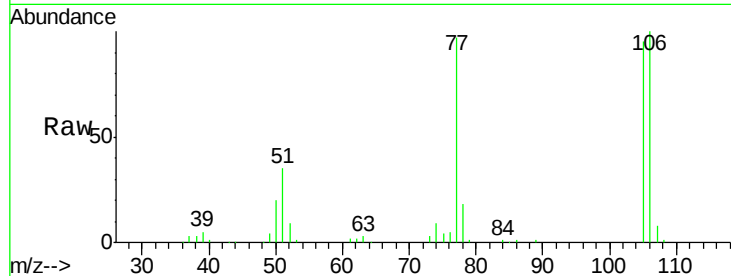
Tgt Ion: 77 Resp: 86334

Ion Ratio Lower Upper

77 100

105 97.7 81.6 121.6

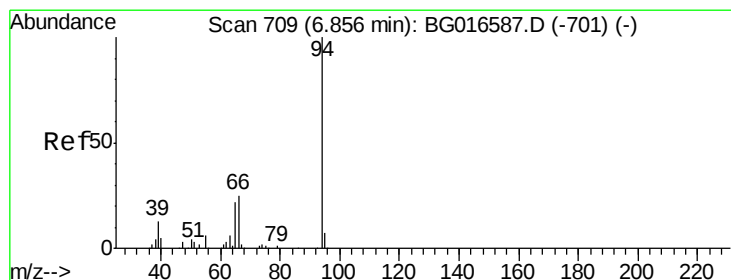
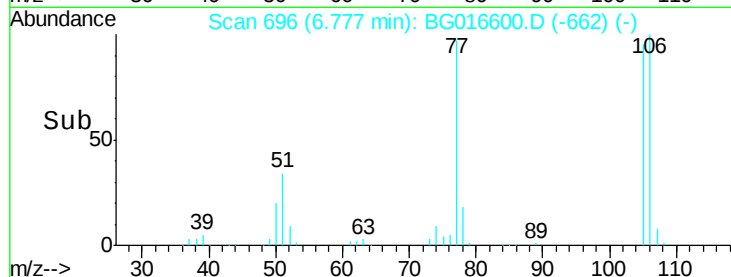
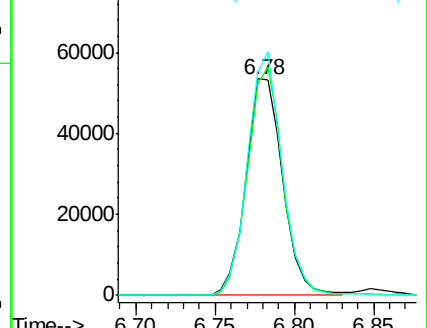
106 102.9 87.4 127.4



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: 40.36 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

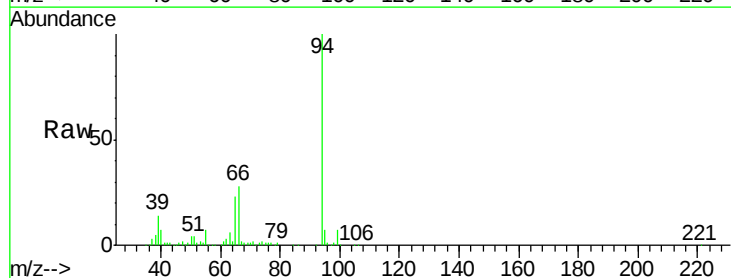
Tgt Ion: 94 Resp: 234418

Ion Ratio Lower Upper

94 100

65 22.8 2.6 42.6

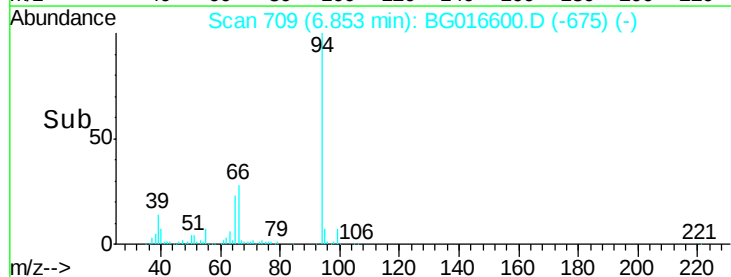
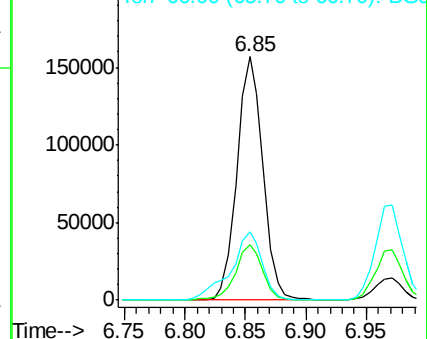
66 27.8 6.3 46.3

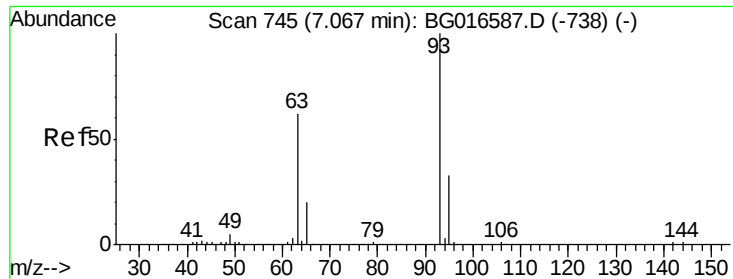


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

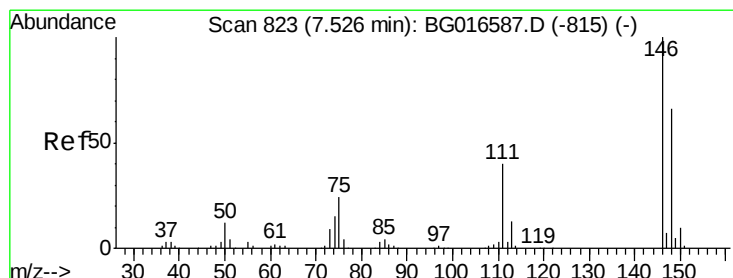
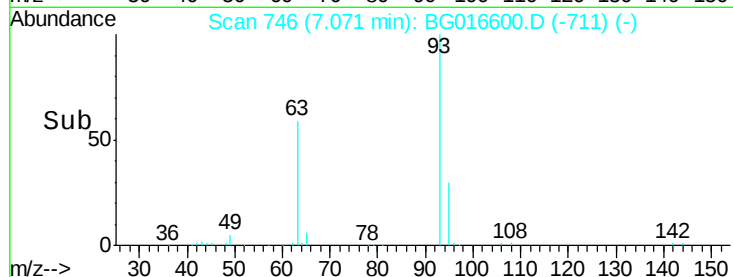
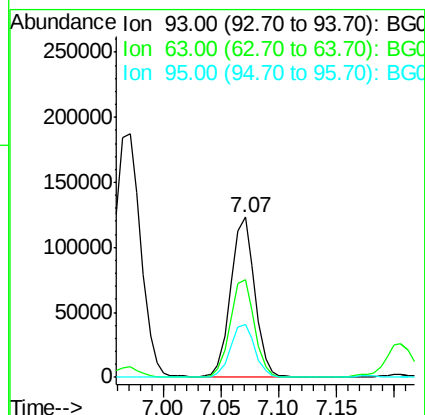
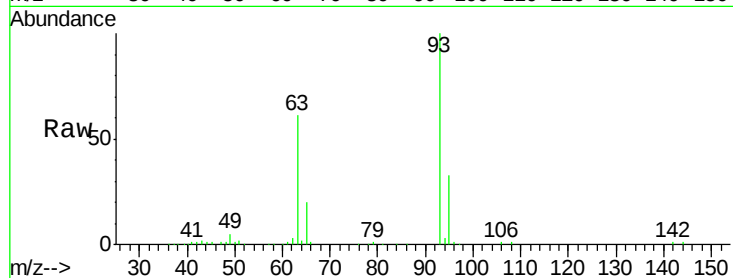




#11
bis(2-Chloroethyl)ether
Concen: 39.21 ng
RT: 7.07 min Scan# 746
Delta R.T. 0.00 min
Lab File: BG016600.D
Acq: 22 Apr 2015 1:02

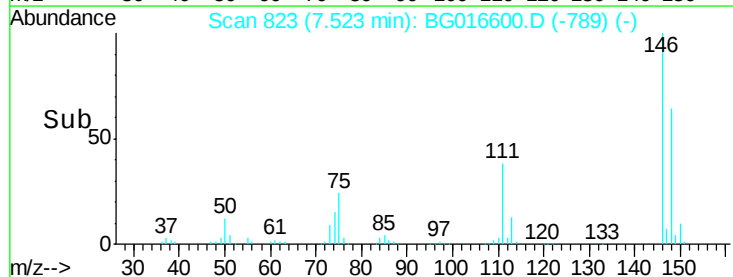
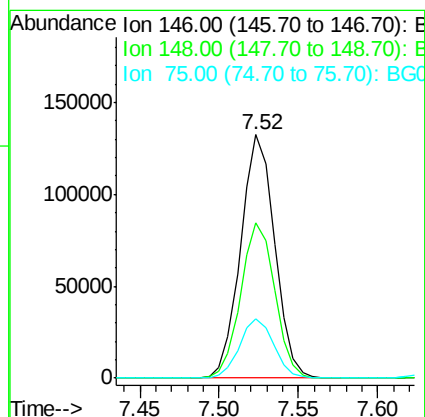
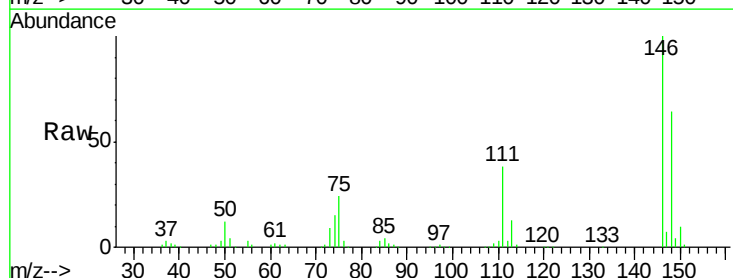
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

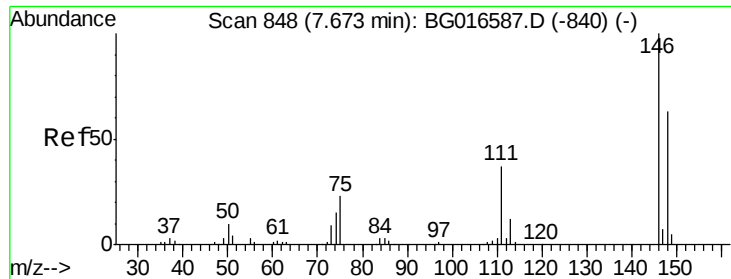
Tgt Ion: 93 Resp: 178289
Ion Ratio Lower Upper
93 100
63 61.2 42.0 82.0
95 33.1 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 40.26 ng
RT: 7.52 min Scan# 823
Delta R.T. -0.00 min
Lab File: BG016600.D
Acq: 22 Apr 2015 1:02

Tgt Ion: 146 Resp: 197230
Ion Ratio Lower Upper
146 100
148 63.9 52.6 79.0
75 24.5 19.5 29.3

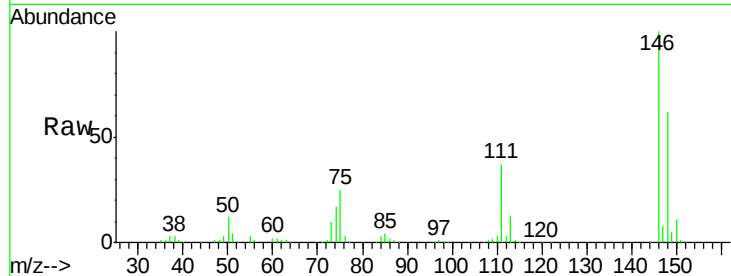




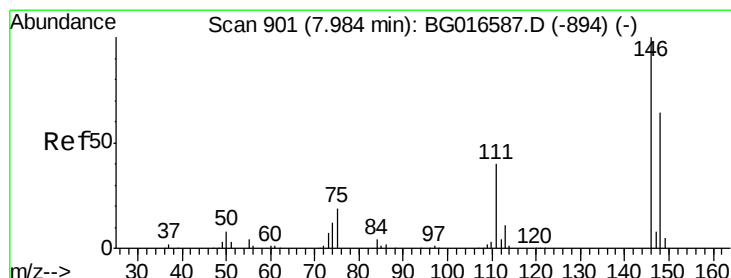
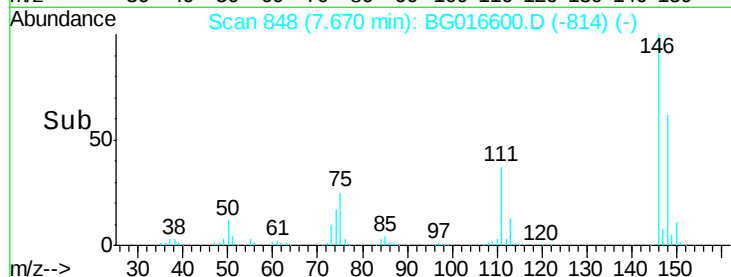
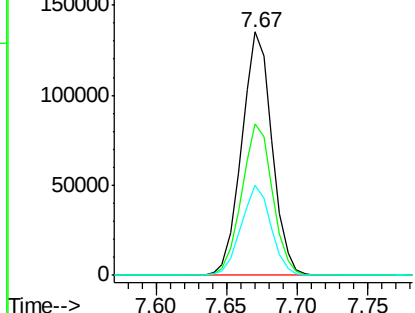
#13
 1,4-Dichlorobenzene
 Concen: 40.51 ng
 RT: 7.67 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BG016600.D
 Acq: 22 Apr 2015 1:02

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Tgt Ion:146 Resp: 201998
 Ion Ratio Lower Upper
 146 100
 148 62.2 50.5 75.7
 111 36.8 29.6 44.4

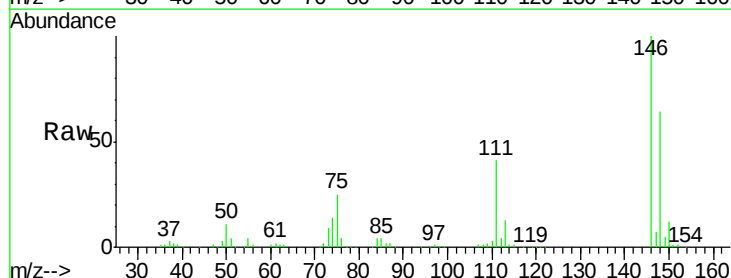


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

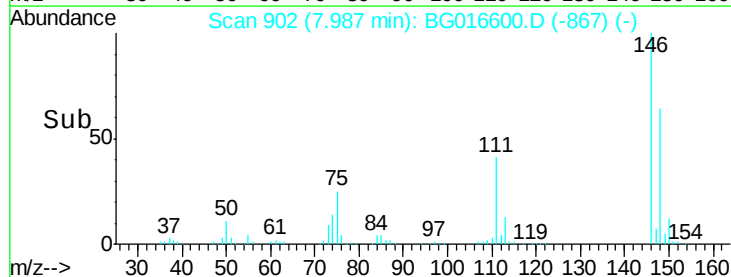
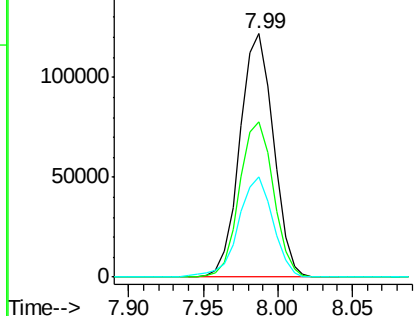


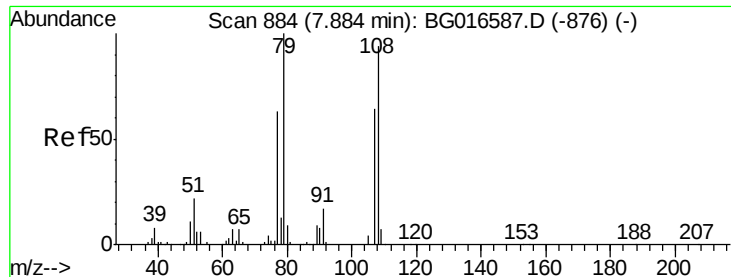
#14
 1,2-Dichlorobenzene
 Concen: 40.06 ng
 RT: 7.99 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: BG016600.D
 Acq: 22 Apr 2015 1:02

Tgt Ion:146 Resp: 190047
 Ion Ratio Lower Upper
 146 100
 148 63.8 51.4 77.2
 111 41.3 32.6 48.8



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





#15

Benzyl Alcohol

Concen: 40.78 ng

RT: 7.88 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

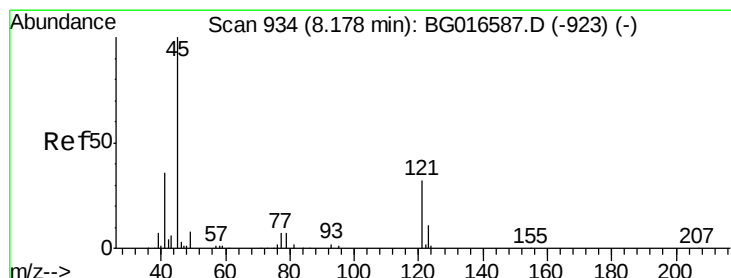
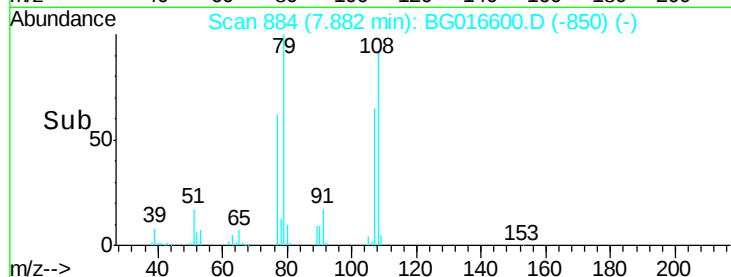
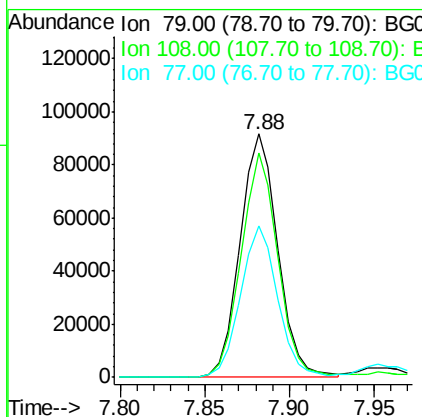
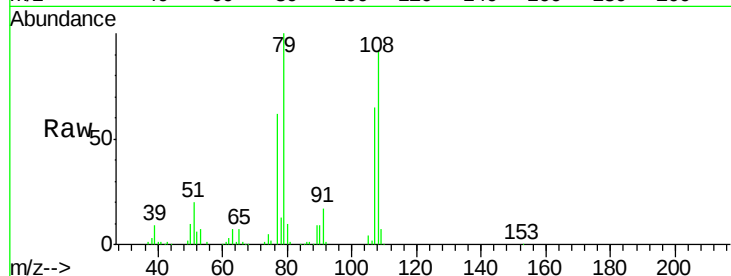
Tgt Ion: 79 Resp: 142509

Ion Ratio Lower Upper

79 100

108 92.1 74.8 112.2

77 62.3 50.0 75.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.45 ng

RT: 8.18 min Scan# 934

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

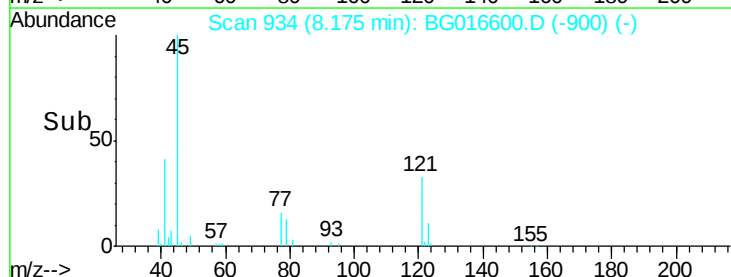
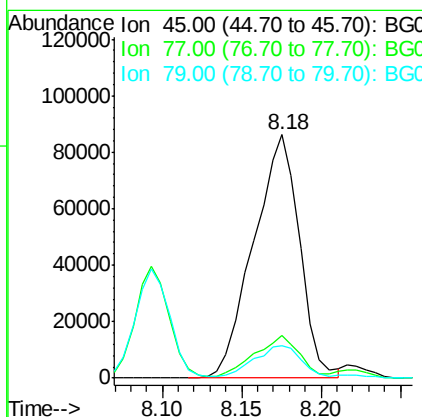
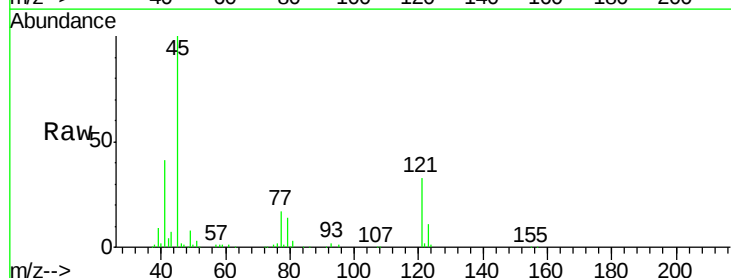
Tgt Ion: 45 Resp: 173705

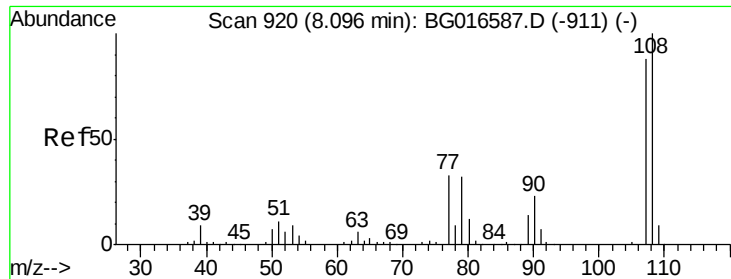
Ion Ratio Lower Upper

45 100

77 17.3 0.0 35.7

79 13.6 0.0 34.3

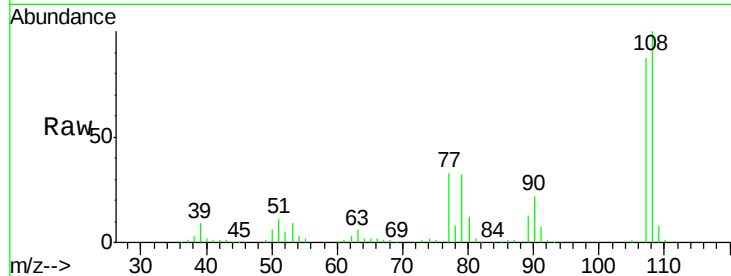




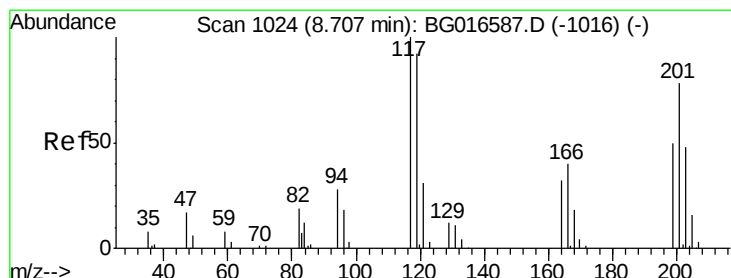
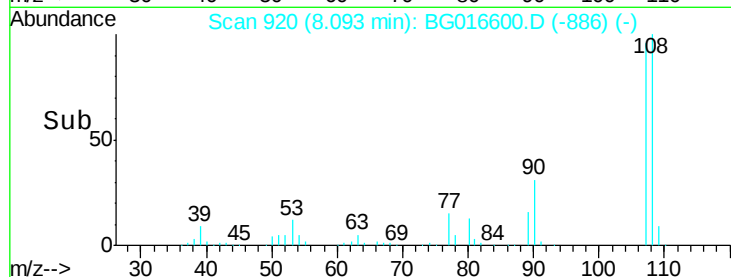
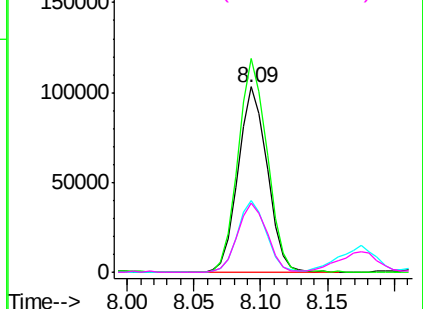
#17
2-Methylphenol
Concen: 39.93 ng
RT: 8.09 min Scan# 920
Delta R.T. -0.00 min
Lab File: BG016600.D
Acq: 22 Apr 2015 1:02

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	107	Resp:	156284
Ion	Ratio	Lower	Upper
107	100		
108	115.4	91.6	137.4
77	38.4	30.2	45.4
79	37.4	29.4	44.2

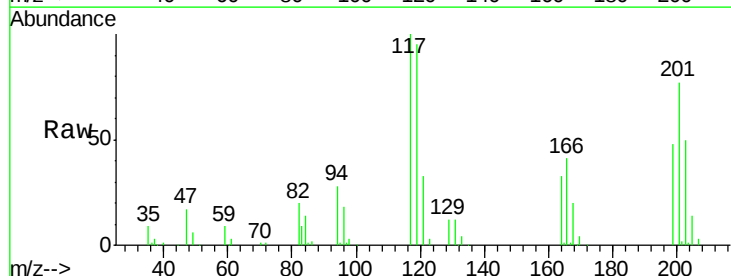


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

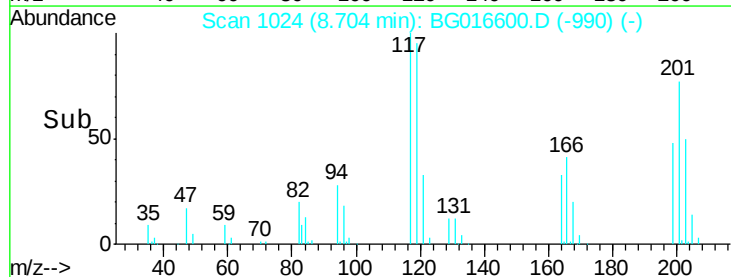
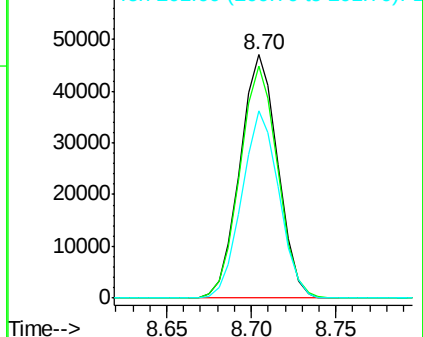


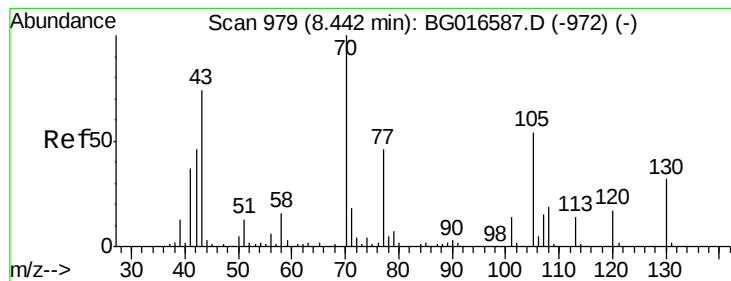
#18
Hexachloroethane
Concen: 40.86 ng
RT: 8.70 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG016600.D
Acq: 22 Apr 2015 1:02

Tgt Ion:	117	Resp:	73154
Ion	Ratio	Lower	Upper
117	100		
119	95.2	73.8	110.8
201	77.1	62.2	93.2



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: 39.17 ng

RT: 8.45 min Scan# 980

Delta R.T. 0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 139052

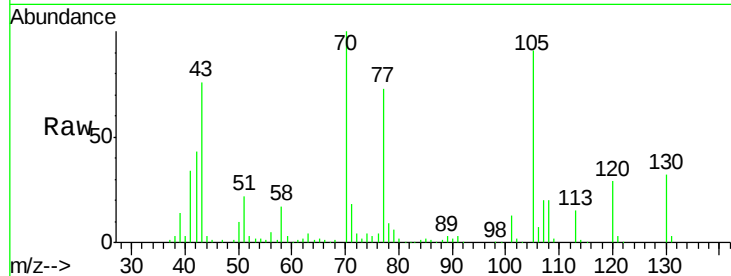
Ion Ratio Lower Upper

70 100

42 42.9 36.9 55.3

101 12.9 10.8 16.2

130 31.9 25.4 38.2

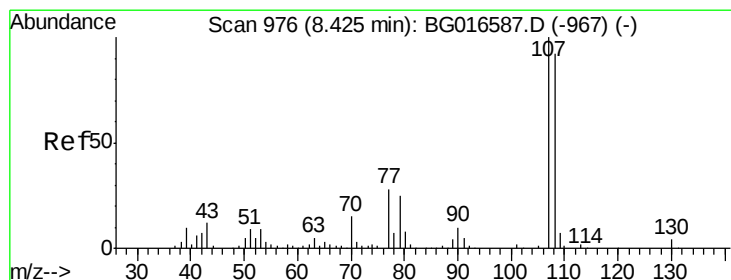
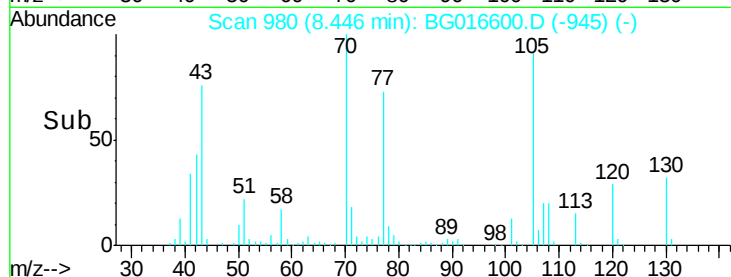
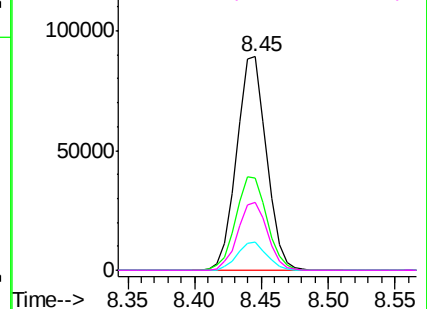


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20

3+4-Methylphenols

Concen: 40.15 ng

RT: 8.42 min Scan# 976

Delta R.T. -0.00 min

Lab File: BG016600.D

Acq: 22 Apr 2015 1:02

Tgt Ion: 107 Resp: 216458

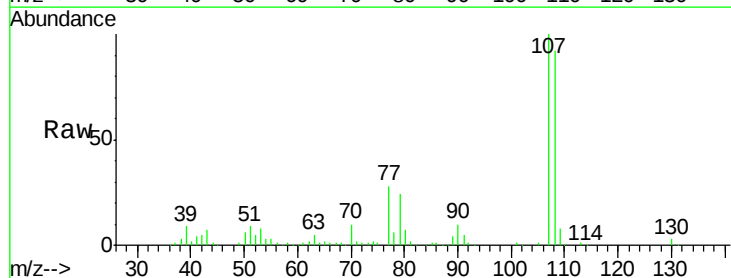
Ion Ratio Lower Upper

107 100

108 91.8 71.6 111.6

77 28.3 7.6 47.6

79 24.0 5.1 45.1



Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

