

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041315\
 Data File : BG016375.D
 Acq On : 13 Apr 2015 23:39
 Operator : TP/IZ
 Sample : SSTDC0040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDC0040EC

Quant Time: Apr 14 02:36:36 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 02:12:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	83048	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	366323	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	209317	20.00	ng	0.00
63) Phenanthrene-d10	17.06	188	419523	20.00	ng	0.00
75) Chrysene-d12	21.24	240	384269	20.00	ng	0.00
86) Perylene-d12	23.47	264	361349	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	400867	76.18	ng	0.00
7) Phenol-d6	6.86	99	566655	71.73	ng	0.00
23) Nitrobenzene-d5	8.83	82	472189	74.67	ng	0.00
41) 2,4,6-Tribromophenol	15.81	330	115529	81.61	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	936661	76.19	ng	0.00
78) Terphenyl-d14	19.69	244	1183439	72.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	86028	35.96	ng	99
3) Pyridine	3.55	79	254939	35.66	ng	98
4) n-Nitrosodimethylamine	3.46	42	76353	35.93	ng	99
6) Aniline	7.01	93	381170	33.79	ng	98
8) 2-Chlorophenol	7.24	128	236169	37.37	ng	95
9) Benzaldehyde	6.82	77	141538	30.59	ng	97
10) Phenol	6.88	94	297454	35.19	ng	99
11) bis(2-Chloroethyl)ether	7.11	93	227047	33.69	ng	99
12) 1,3-Dichlorobenzene	7.56	146	238636	37.39	ng	98
13) 1,4-Dichlorobenzene	7.71	146	241348	36.46	ng	97
14) 1,2-Dichlorobenzene	8.02	146	230600	36.42	ng	100
15) Benzyl Alcohol	7.92	79	186140	33.80	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.22	45	235433	31.02	ng	98
17) 2-Methylphenol	8.13	107	196592	34.69	ng	96
18) Hexachloroethane	8.75	117	89430	35.31	ng	99
19) n-Nitroso-di-n-propylamine	8.48	70	179503	31.71	ng	97
20) 3+4-Methylphenols	8.46	107	271589	34.59	ng	98
22) Acetophenone	8.50	105	314013	36.97	ng	# 99
24) Nitrobenzene	8.87	77	245308	36.28	ng	95
25) Isophorone	9.39	82	492455	35.07	ng	98
26) 2-Nitrophenol	9.58	139	136134	43.17	ng	99
27) 2,4-Dimethylphenol	9.65	122	228671	38.93	ng	100
28) bis(2-Chloroethoxy)methane	9.88	93	285459	35.61	ng	99
29) 2,4-Dichlorophenol	10.11	162	191619	41.23	ng	98
30) 1,2,4-Trichlorobenzene	10.33	180	194029	39.99	ng	98
31) Naphthalene	10.51	128	718754	37.65	ng	99
32) Benzoic acid	9.78	122	124300	35.27	ng	95
33) 4-Chloroaniline	10.63	127	336255	37.54	ng	99
34) Hexachlorobutadiene	10.80	225	86463	40.57	ng	97
35) Caprolactam	11.40	113	115325	39.41	ng	92
36) 4-Chloro-3-methylphenol	11.77	107	232703	37.90	ng	94
37) 2-Methylnaphthalene	12.13	142	510434	37.17	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	182375	39.57	ng	99
40) Hexachlorocyclopentadiene	12.48	237	77711	36.84	ng	96

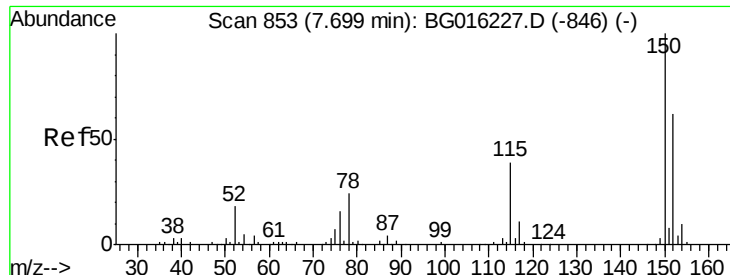
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041315\
 Data File : BG016375.D
 Acq On : 13 Apr 2015 23:39
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Apr 14 02:36:36 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 02:12:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	143171	41.81	ng	98
43) 2,4,5-Trichlorophenol	12.82	196	154643	42.26	ng	96
45) 1,1'-Biphenyl	13.15	154	603475	37.58	ng	97
46) 2-Chloronaphthalene	13.19	162	465638	38.07	ng	98
47) 2-Nitroaniline	13.40	65	148962	37.78	ng	97
48) Acenaphthylene	14.04	152	818900	37.65	ng	99
49) Dimethylphthalate	13.78	163	571907	37.28	ng	100
50) 2,6-Dinitrotoluene	13.90	165	145103	39.11	ng	93
51) Acenaphthene	14.38	154	484029	37.24	ng	99
52) 3-Nitroaniline	14.23	138	182150	38.44	ng	92
53) 2,4-Dinitrophenol	14.44	184	53237	30.49	ng	93
54) Dibenzofuran	14.71	168	670901	37.20	ng	99
55) 4-Nitrophenol	14.55	139	149135	38.09	ng	97
56) 2,4-Dinitrotoluene	14.69	165	200189	39.61	ng	92
57) Fluorene	15.37	166	591115	37.15	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.95	232	116379	41.22	ng	95
59) Diethylphthalate	15.14	149	604261	37.00	ng	99
60) 4-Chlorophenyl-phenylether	15.36	204	242796	37.30	ng	95
61) 4-Nitroaniline	15.40	138	204813	38.08	ng	99
62) Azobenzene	15.66	77	590260	33.96	ng	98
64) 4,6-Dinitro-2-methylphenol	15.45	198	102747	35.87	ng	98
65) n-Nitrosodiphenylamine	15.58	169	544742	38.41	ng	100
66) 4-Bromophenyl-phenylether	16.25	248	128903	38.48	ng	98
67) Hexachlorobenzene	16.37	284	131909	37.89	ng	98
68) Atrazine	16.53	200	158498	40.10	ng	100
69) Pentachlorophenol	16.71	266	76712	36.09	ng	99
70) Phenanthrene	17.10	178	881900	37.37	ng	99
71) Anthracene	17.19	178	896770	38.35	ng	100
72) Carbazole	17.46	167	910620	38.80	ng	99
73) Di-n-butylphthalate	18.03	149	1097136	38.20	ng	100
74) Fluoranthene	19.12	202	933762	38.39	ng	98
76) Benzidine	19.30	184	536992	32.95	ng	100
77) Pyrene	19.48	202	960228	35.89	ng	100
79) Butylbenzylphthalate	20.38	149	523921	39.85	ng	99
80) Benzo(a)anthracene	21.22	228	852015	37.52	ng	99
81) 3,3'-Dichlorobenzidine	21.16	252	291940	39.09	ng	98
82) Chrysene	21.27	228	814786	37.16	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	718992	40.40	ng	98
84) Di-n-octyl phthalate	22.02	149	1200474	41.40	ng	98
85) Indeno(1,2,3-cd)pyrene	25.75	276	908647	39.89	ng	99
87) Benzo(b)fluoranthene	22.80	252	790528	37.35	ng	97
88) Benzo(k)fluoranthene	22.84	252	812117	39.21	ng	98
89) Benzo(a)pyrene	23.38	252	774179	39.03	ng	100
90) Dibenzo(a,h)anthracene	25.76	278	756577	39.20	ng	97
91) Benzo(g,h,i)perylene	26.45	276	766341	39.75	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.68 min Scan# 849

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

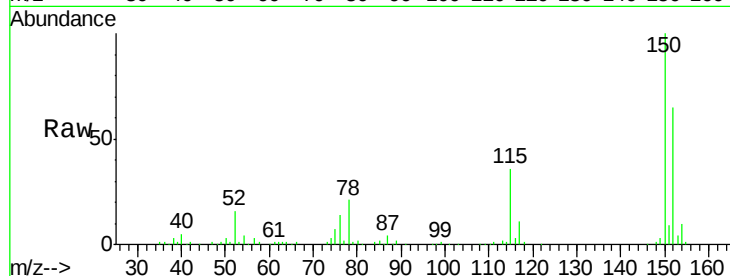
Tgt Ion:152 Resp: 83048

Ion Ratio Lower Upper

152 100

150 154.3 130.1 195.1

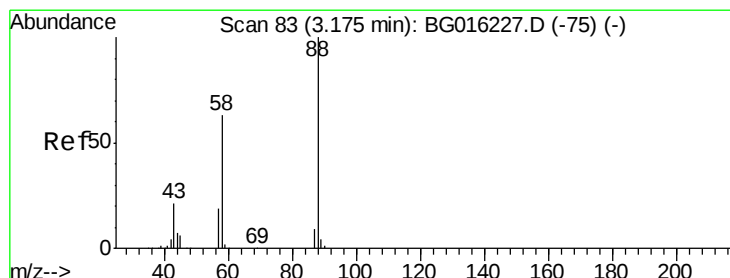
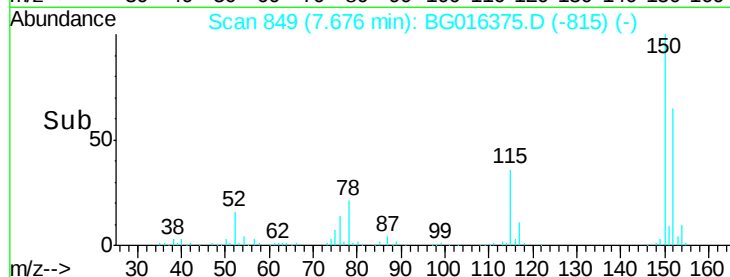
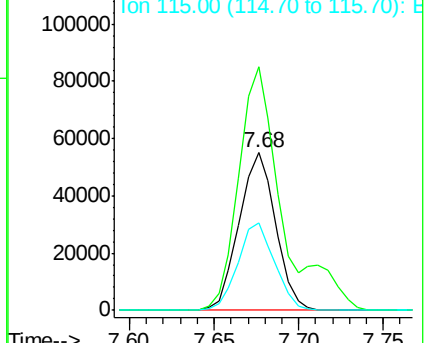
115 55.4 50.5 75.7



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: 35.96 ng

RT: 3.15 min Scan# 79

Delta R.T. 0.01 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

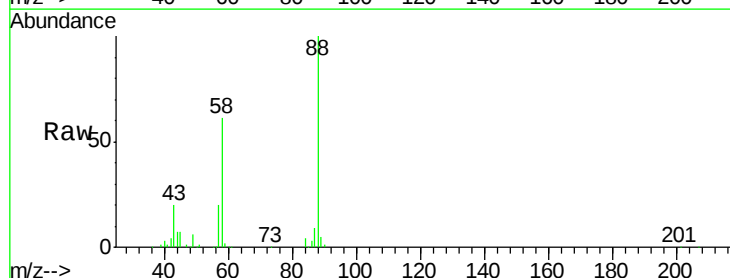
Tgt Ion: 88 Resp: 86028

Ion Ratio Lower Upper

88 100

58 62.3 50.6 76.0

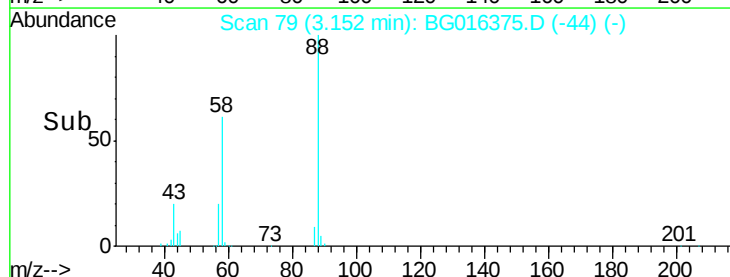
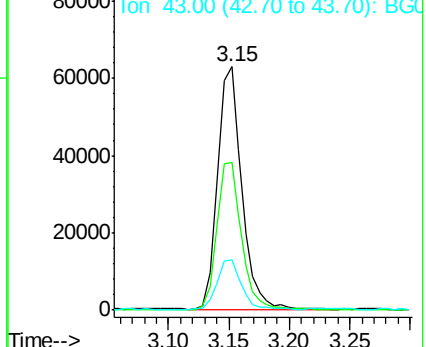
43 22.0 17.0 25.4

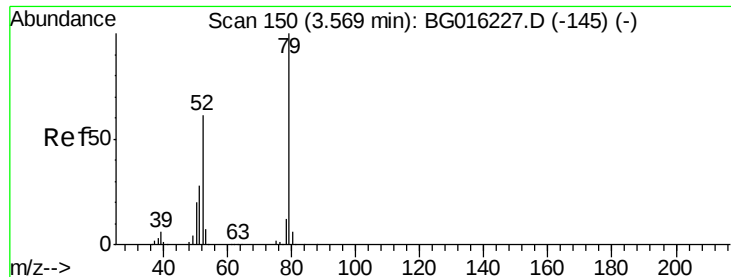


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 35.66 ng

RT: 3.55 min Scan# 146

Delta R.T. 0.01 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

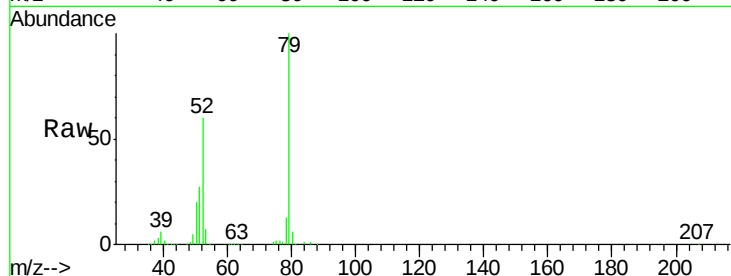
Tgt Ion: 79 Resp: 254939

Ion Ratio Lower Upper

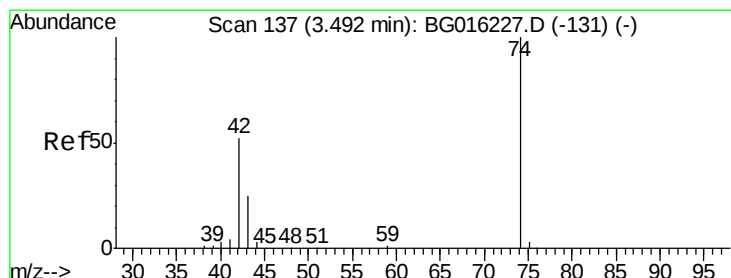
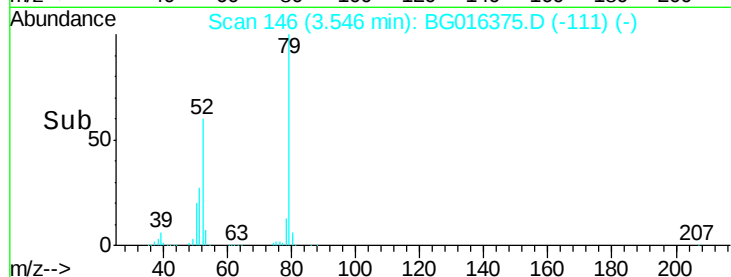
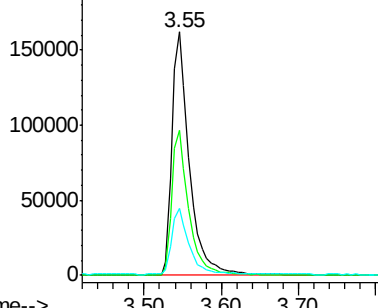
79 100

52 59.6 49.0 73.4

51 27.3 22.5 33.7



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 35.93 ng

RT: 3.46 min Scan# 132

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

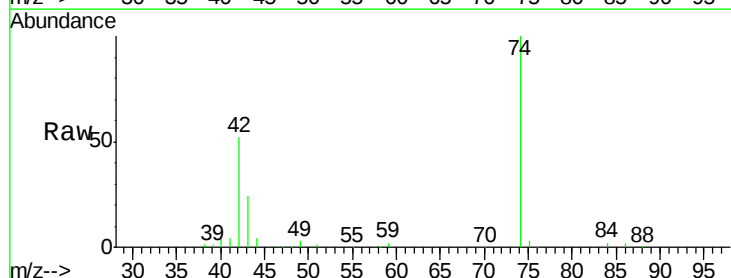
Tgt Ion: 42 Resp: 76353

Ion Ratio Lower Upper

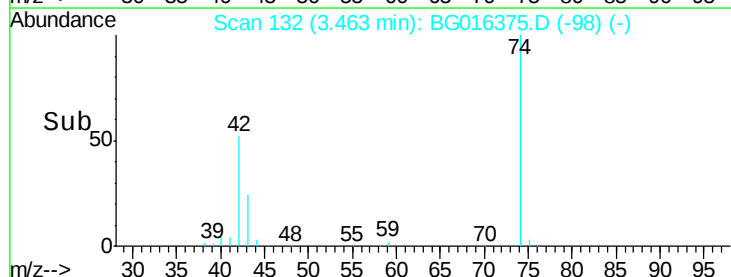
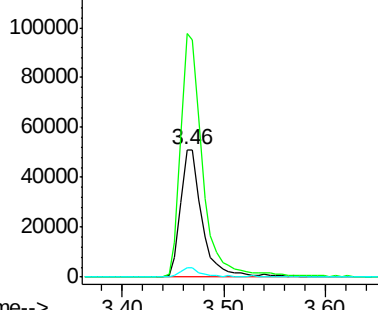
42 100

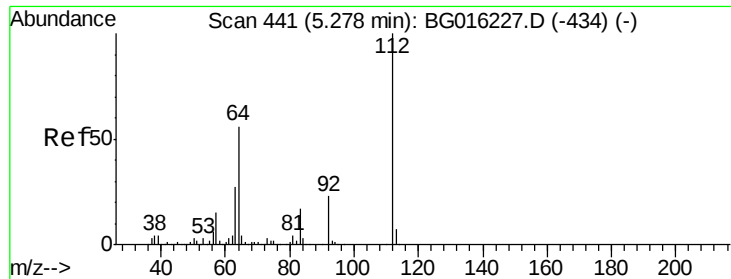
74 190.6 153.7 230.5

44 7.0 5.3 7.9



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: 76.18 ng

RT: 5.26 min Scan# 438

Delta R.T. 0.01 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

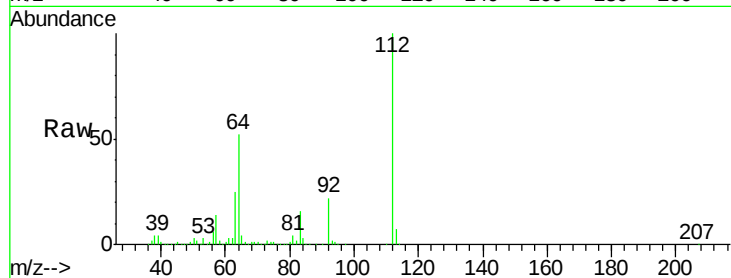
Tgt Ion: 112 Resp: 400867

Ion Ratio Lower Upper

112 100

64 52.2 44.5 66.7

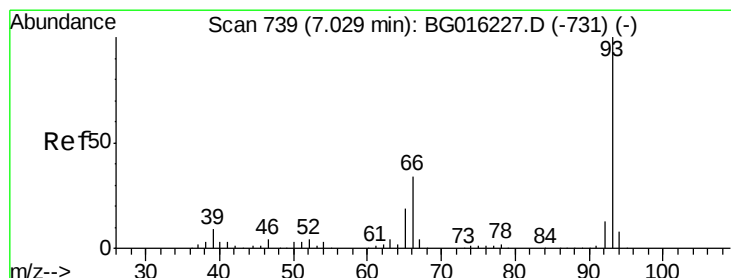
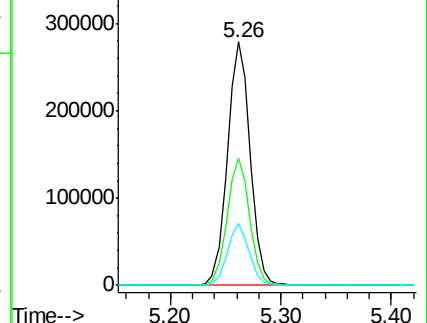
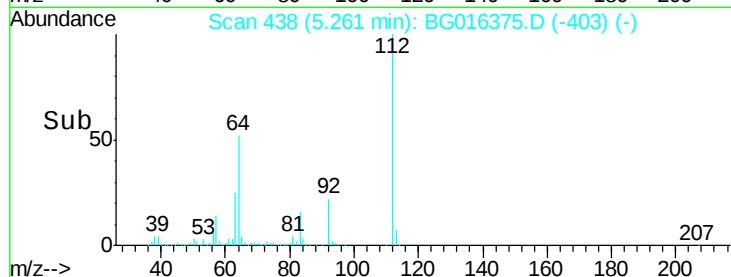
63 25.4 21.4 32.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 33.79 ng

RT: 7.01 min Scan# 735

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

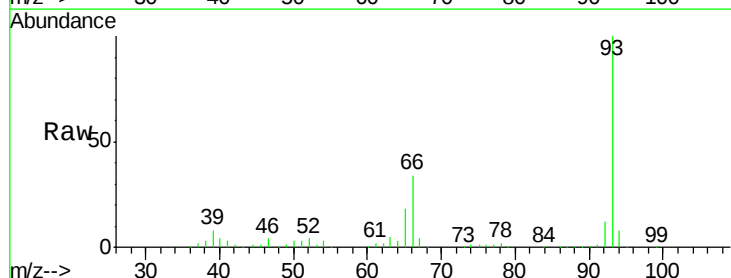
Tgt Ion: 93 Resp: 381170

Ion Ratio Lower Upper

93 100

66 33.7 27.5 41.3

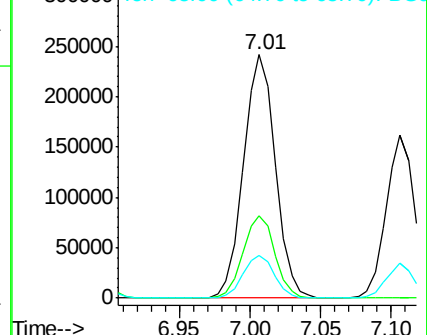
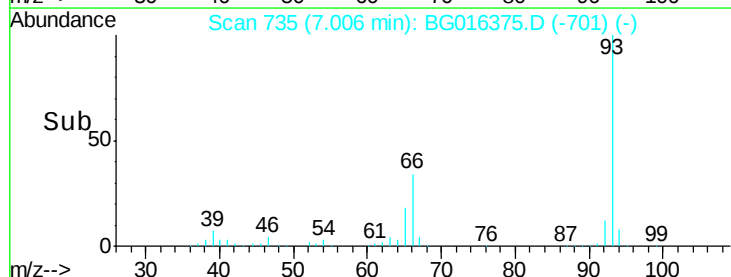
65 17.7 15.1 22.7



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: 71.73 ng

RT: 6.86 min Scan# 710

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

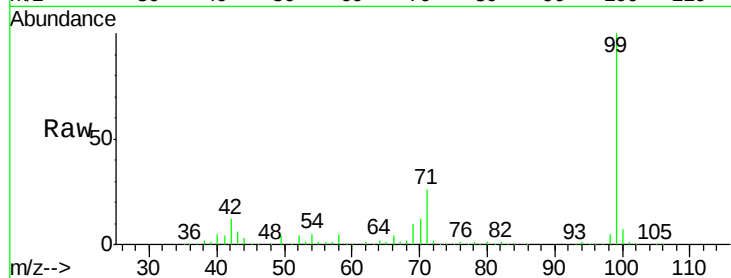
Tgt Ion: 99 Resp: 566655

Ion Ratio Lower Upper

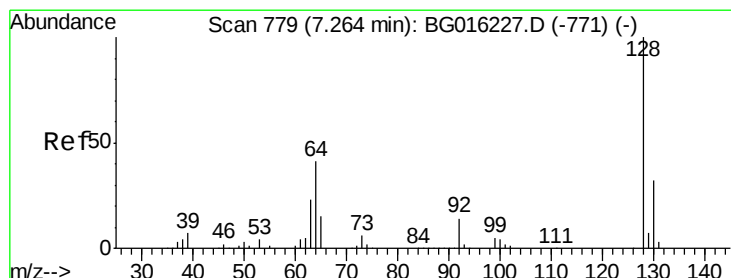
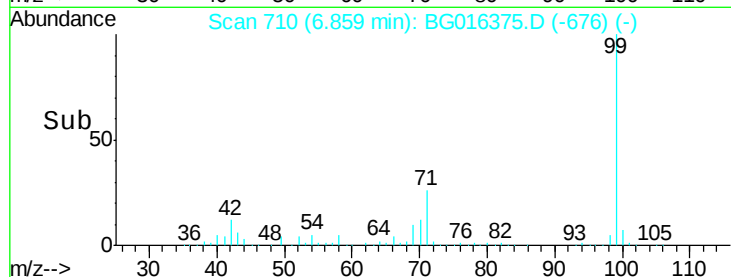
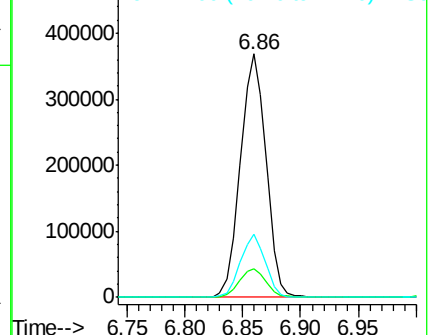
99 100

42 11.9 10.0 15.0

71 25.8 21.5 32.3



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: 37.37 ng

RT: 7.24 min Scan# 775

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

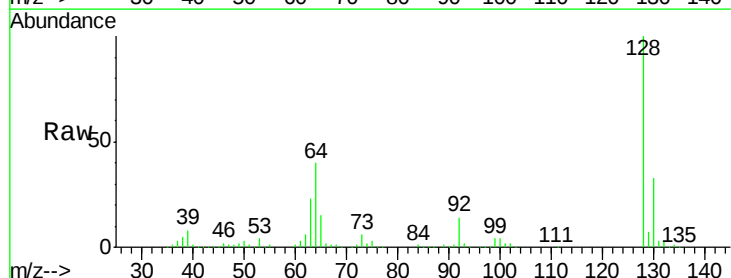
Tgt Ion: 128 Resp: 236169

Ion Ratio Lower Upper

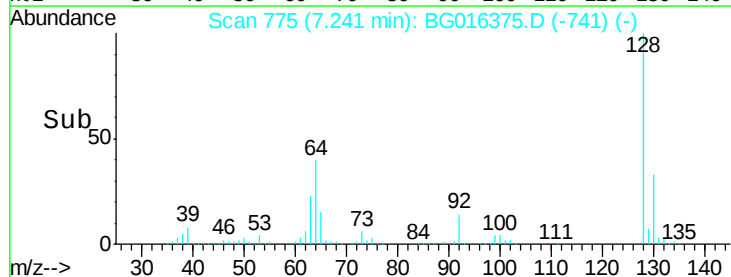
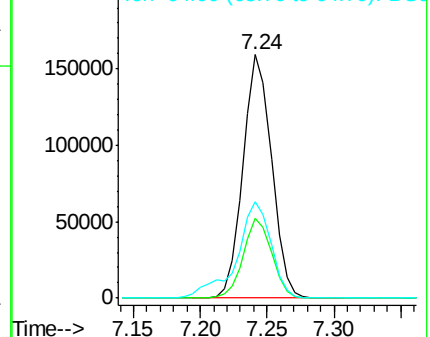
128 100

130 32.5 11.6 51.6

64 39.7 24.2 64.2



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: 30.59 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

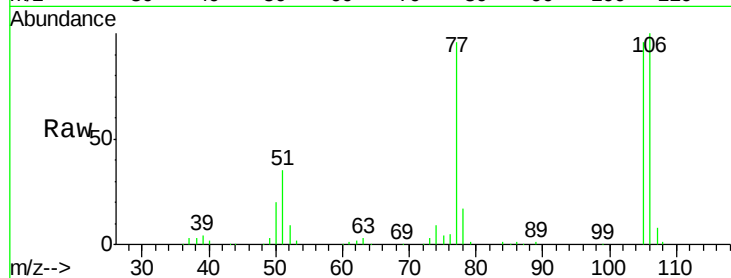
Tgt Ion: 77 Resp: 141538

Ion Ratio Lower Upper

77 100

105 99.4 76.8 116.8

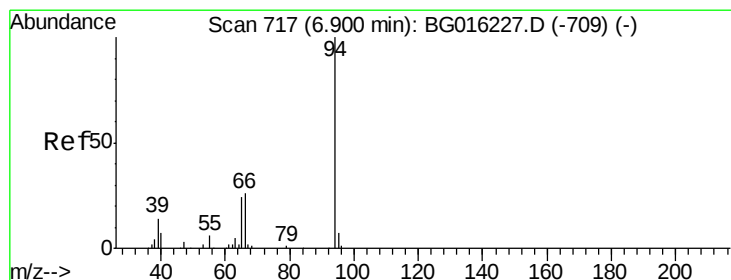
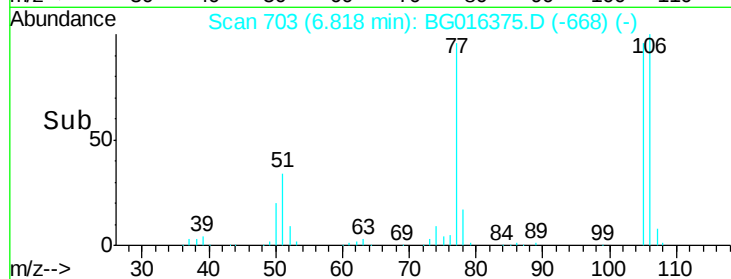
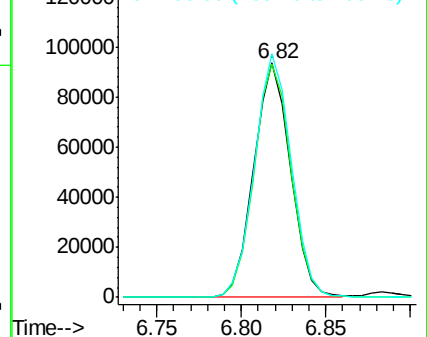
106 103.9 80.1 120.1



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: 35.19 ng

RT: 6.88 min Scan# 714

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

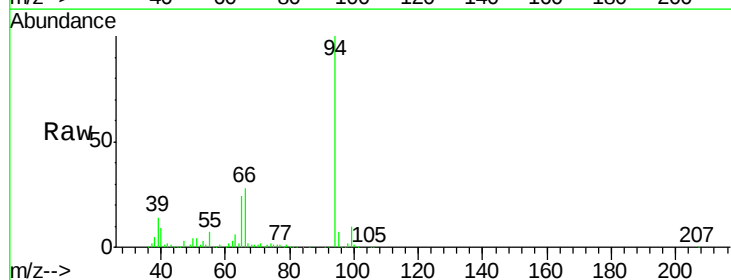
Tgt Ion: 94 Resp: 297454

Ion Ratio Lower Upper

94 100

65 23.5 3.8 43.8

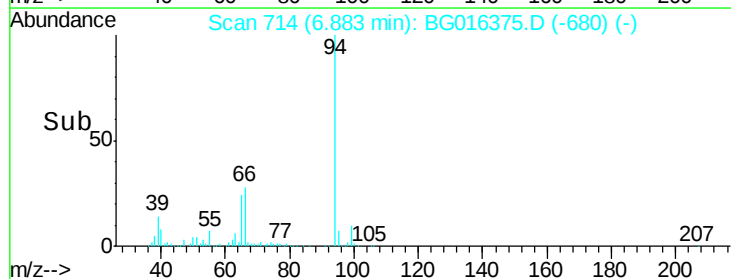
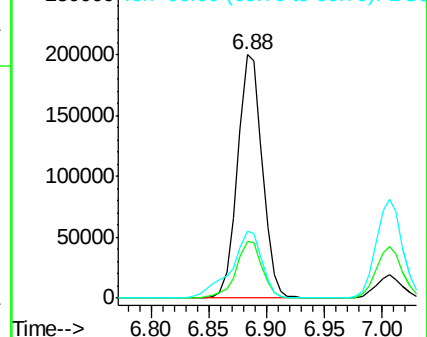
66 27.7 7.4 47.4

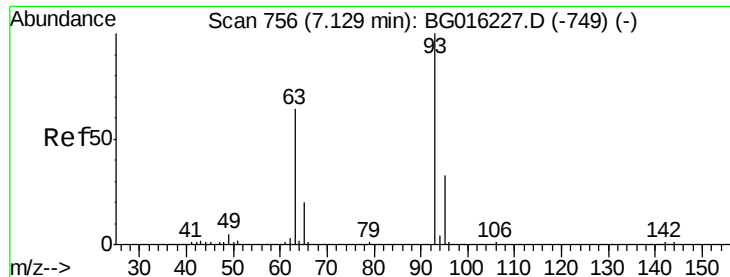


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

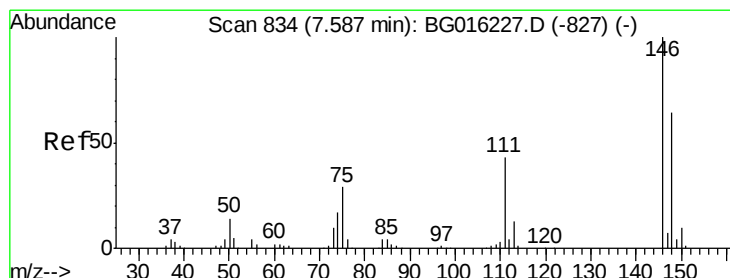
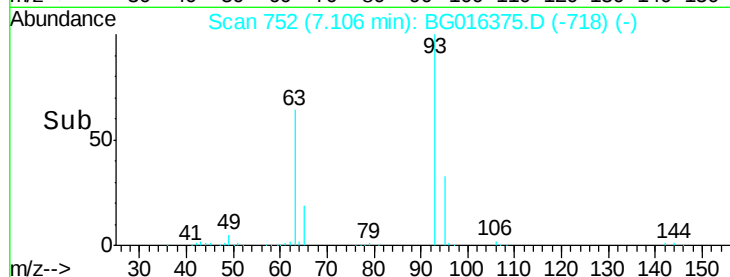
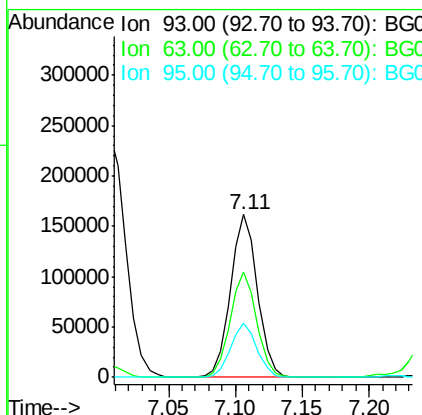
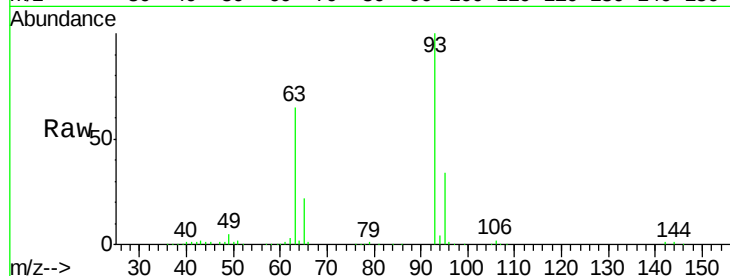




#11
bis(2-Chloroethyl)ether
Concen: 33.69 ng
RT: 7.11 min Scan# 752
Delta R.T. 0.00 min
Lab File: BG016375.D
Acq: 13 Apr 2015 23:39

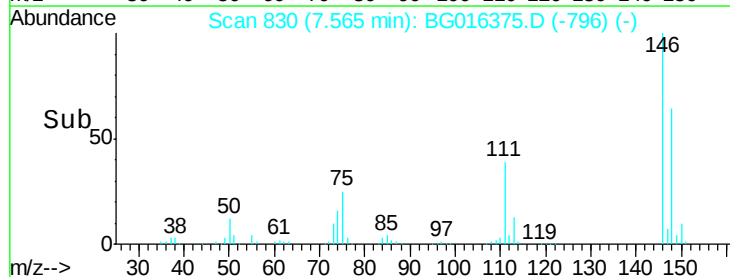
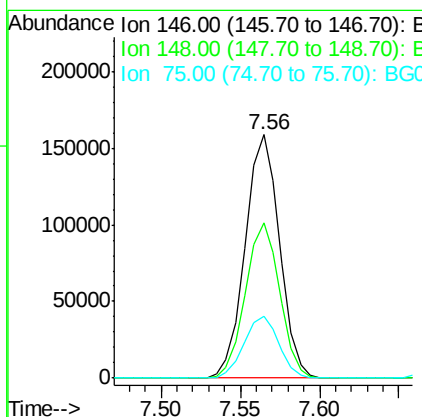
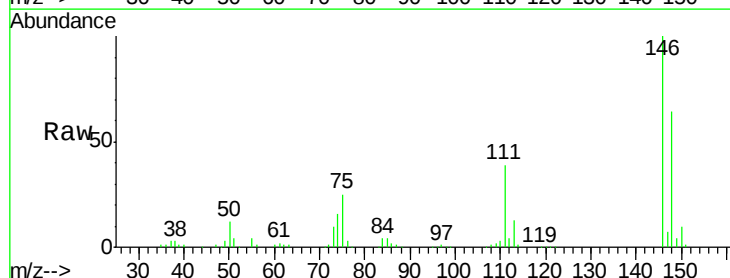
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

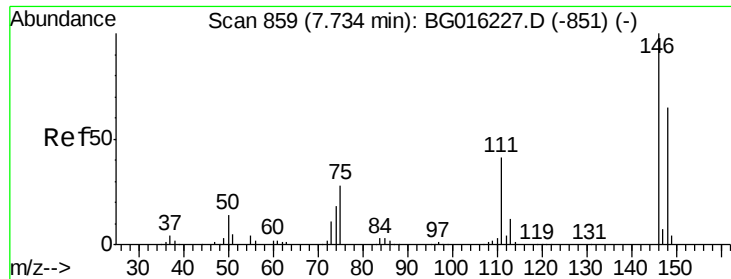
Tgt Ion: 93 Resp: 227047
Ion Ratio Lower Upper
93 100
63 64.8 44.1 84.1
95 33.5 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 37.39 ng
RT: 7.56 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG016375.D
Acq: 13 Apr 2015 23:39

Tgt Ion: 146 Resp: 238636
Ion Ratio Lower Upper
146 100
148 63.9 50.9 76.3
75 25.3 23.3 34.9

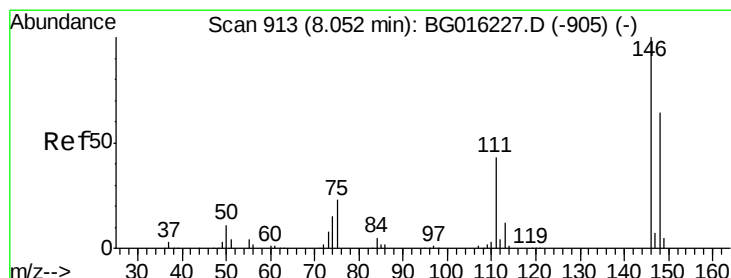
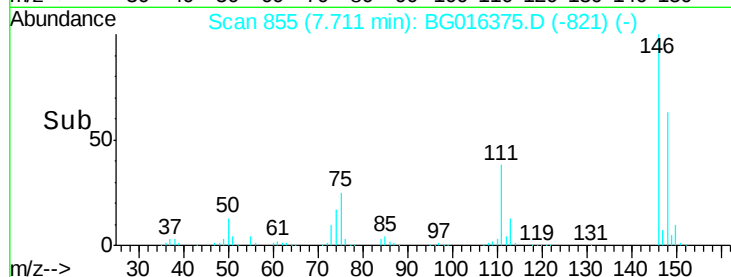
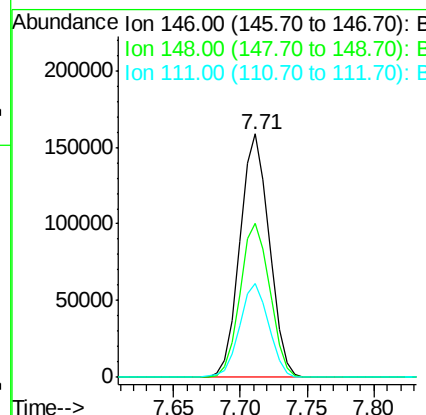
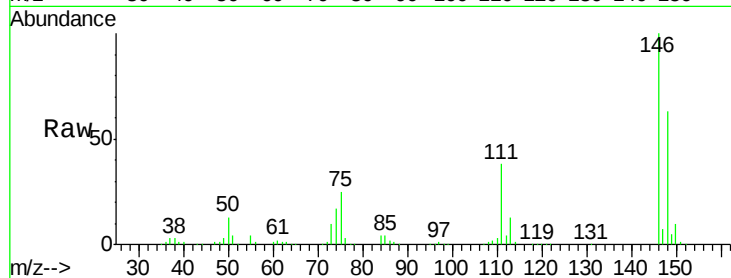




#13
 1,4-Dichlorobenzene
 Concen: 36.46 ng
 RT: 7.71 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: BG016375.D
 Acq: 13 Apr 2015 23:39

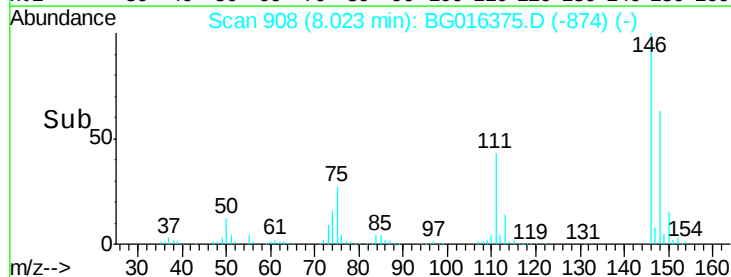
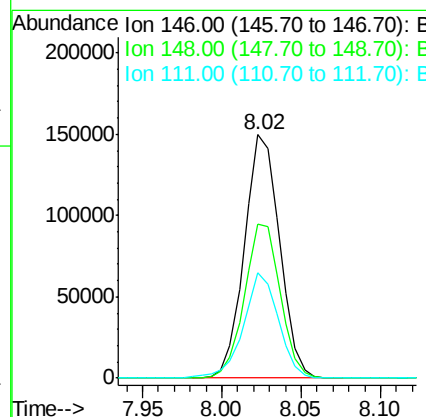
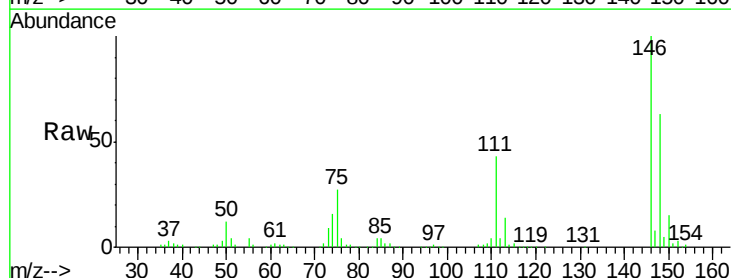
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

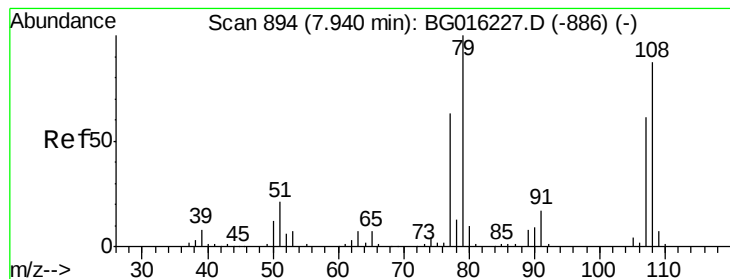
Tgt Ion:146 Resp: 241348
 Ion Ratio Lower Upper
 146 100
 148 63.1 52.0 78.0
 111 38.5 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 36.42 ng
 RT: 8.02 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BG016375.D
 Acq: 13 Apr 2015 23:39

Tgt Ion:146 Resp: 230600
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.9 76.3
 111 43.1 34.7 52.1





#15

Benzyl Alcohol

Concen: 33.80 ng

RT: 7.92 min Scan# 890

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

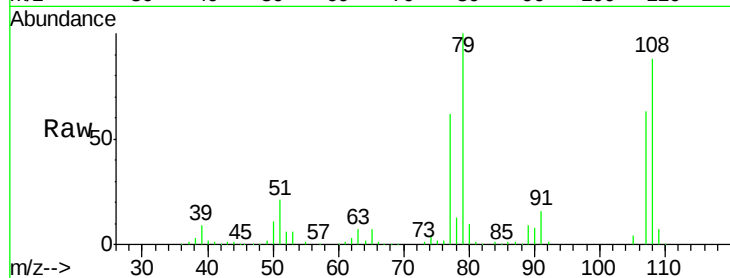
Tgt Ion: 79 Resp: 186140

Ion Ratio Lower Upper

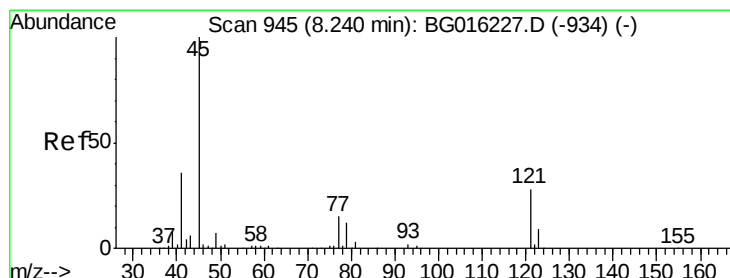
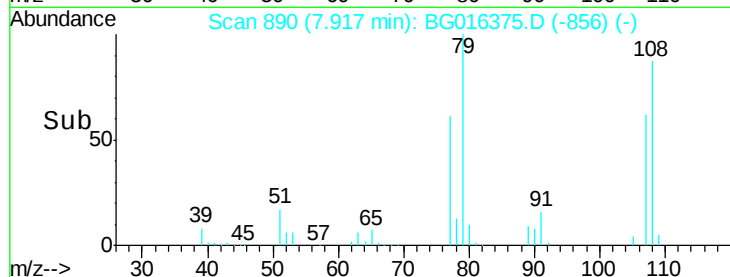
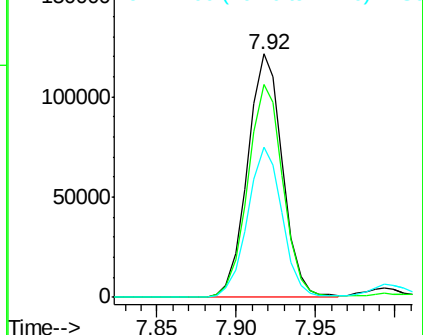
79 100

108 87.7 69.3 103.9

77 61.7 50.3 75.5



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: 31.02 ng

RT: 8.22 min Scan# 941

Delta R.T. 0.01 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

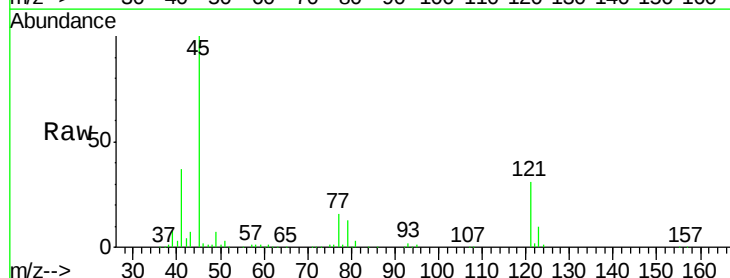
Tgt Ion: 45 Resp: 235433

Ion Ratio Lower Upper

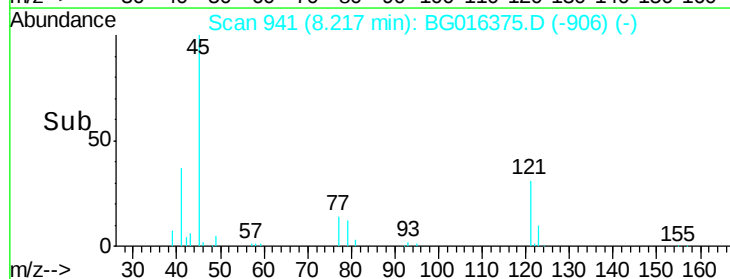
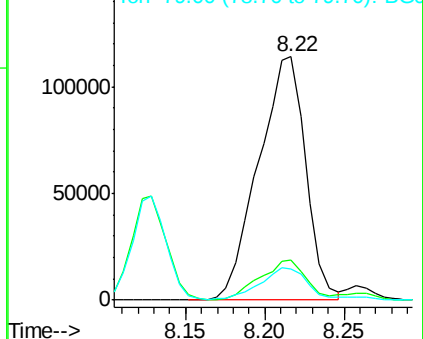
45 100

77 16.4 0.0 35.3

79 12.8 0.0 32.3



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

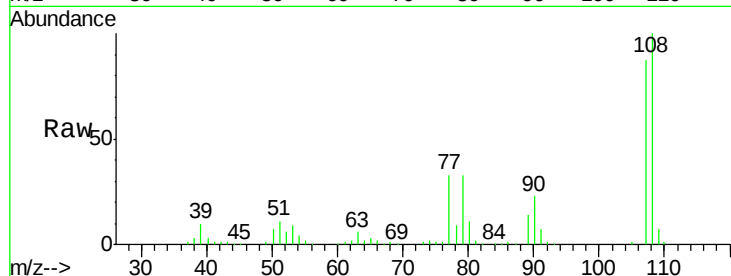




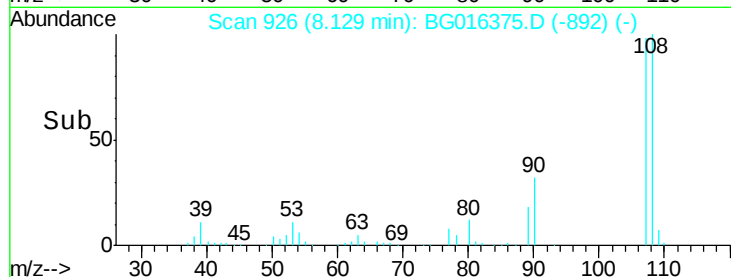
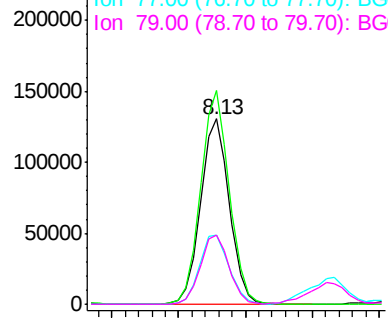
#17
2-Methylphenol
Concen: 34.69 ng
RT: 8.13 min Scan# 926
Delta R.T. 0.00 min
Lab File: BG016375.D
Acq: 13 Apr 2015 23:39

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	107	Resp:	196592
Ion	Ratio	Lower	Upper
107	100		
108	115.4	87.2	130.8
77	37.6	31.1	46.7
79	37.6	29.7	44.5

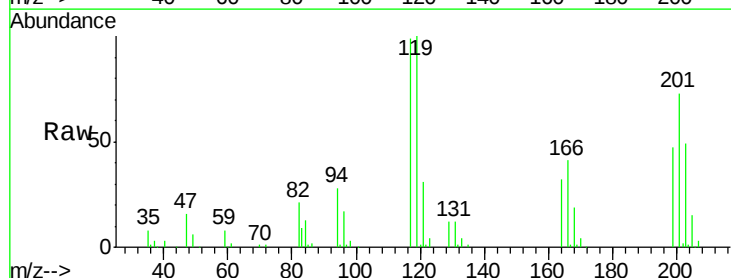


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

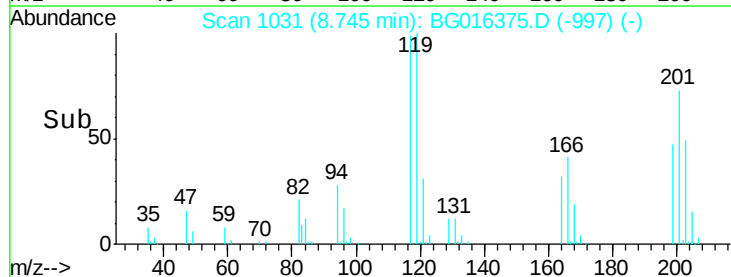
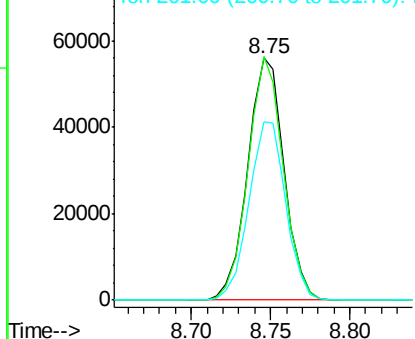


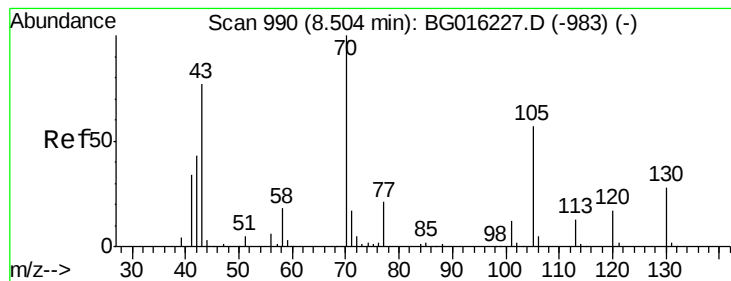
#18
Hexachloroethane
Concen: 35.31 ng
RT: 8.75 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BG016375.D
Acq: 13 Apr 2015 23:39

Tgt Ion:	117	Resp:	89430
Ion	Ratio	Lower	Upper
117	100		
119	100.6	78.8	118.2
201	73.6	59.0	88.4



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: 31.71 ng

RT: 8.48 min Scan# 986

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

Tgt Ion: 70 Resp: 179503

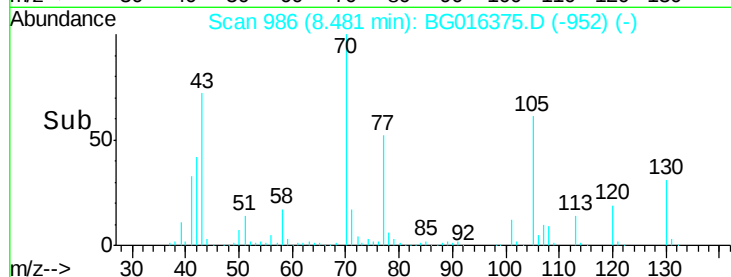
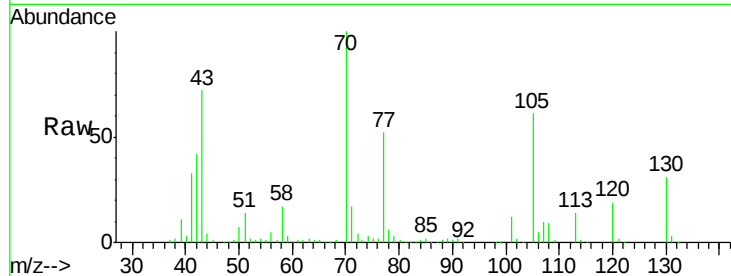
Ion Ratio Lower Upper

70 100

42 42.4 34.7 52.1

101 12.0 9.2 13.8

130 30.7 22.6 33.8

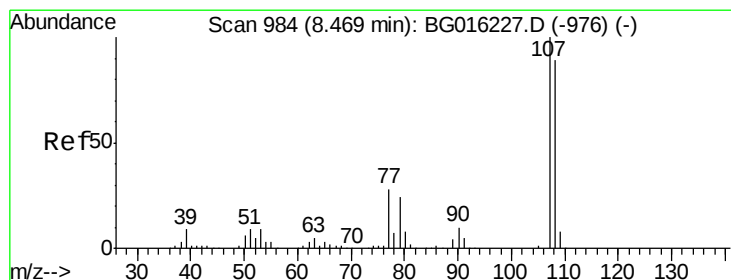
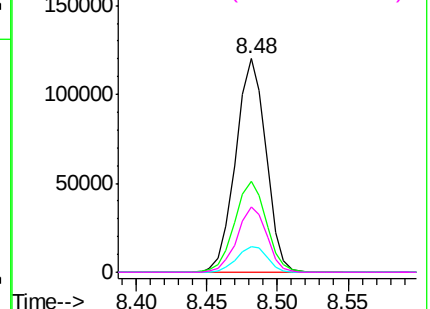


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 34.59 ng

RT: 8.46 min Scan# 982

Delta R.T. 0.00 min

Lab File: BG016375.D

Acq: 13 Apr 2015 23:39

Tgt Ion: 107 Resp: 271589

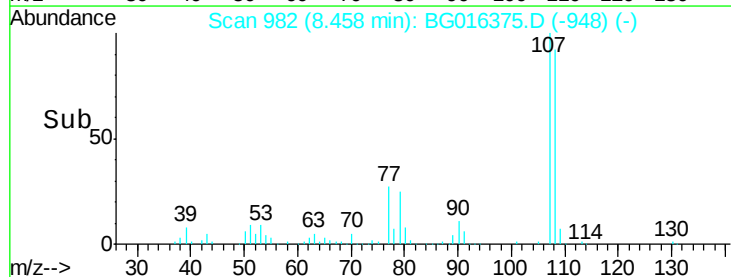
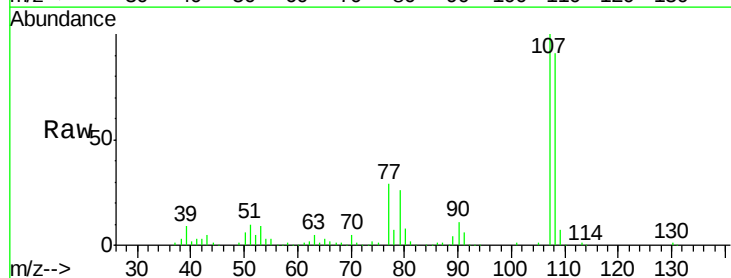
Ion Ratio Lower Upper

107 100

108 91.2 69.5 109.5

77 28.6 8.2 48.2

79 26.1 3.8 43.8



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

