

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041315\
 Data File : BG016374.D
 Acq On : 13 Apr 2015 23:04
 Operator : TP/IZ
 Sample : PB82688BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB82688BS

Quant Time: Apr 14 02:34:46 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	84643	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	375629	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	212023	20.00	ng	0.00
63) Phenanthrene-d10	17.06	188	419933	20.00	ng	0.00
75) Chrysene-d12	21.24	240	367340	20.00	ng	0.00
86) Perylene-d12	23.47	264	346541	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	732562	136.59	ng	0.01
7) Phenol-d6	6.87	99	1008667	125.28	ng	0.00
23) Nitrobenzene-d5	8.83	82	518664	79.99	ng	0.00
41) 2,4,6-Tribromophenol	15.81	330	196686	137.17	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	1067285	85.71	ng	0.00
78) Terphenyl-d14	19.69	244	1212811	77.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	80408	32.98	ng	99
3) Pyridine	3.54	79	229947	31.56	ng	97
4) n-Nitrosodimethylamine	3.46	42	74837	34.55	ng	92
6) Aniline	7.01	93	198534	17.27	ng	97
8) 2-Chlorophenol	7.25	128	260295	40.41	ng	94
9) Benzaldehyde	6.82	77	61761	13.10	ng	94
10) Phenol	6.89	94	330819	38.40	ng	99
11) bis(2-Chloroethyl)ether	7.11	93	236593	34.44	ng	98
12) 1,3-Dichlorobenzene	7.56	146	242101	37.22	ng	98
13) 1,4-Dichlorobenzene	7.71	146	245126	36.33	ng	99
14) 1,2-Dichlorobenzene	8.03	146	238590	36.98	ng	96
15) Benzyl Alcohol	7.92	79	194753	34.70	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.22	45	256911	33.21	ng	98
17) 2-Methylphenol	8.13	107	218067	37.75	ng	98
18) Hexachloroethane	8.75	117	90781	35.17	ng	98
19) n-Nitroso-di-n-propylamine	8.48	70	174796	30.30	ng	98
20) 3+4-Methylphenols	8.46	107	293753	36.71	ng	97
22) Acetophenone	8.50	105	326513	37.49	ng	# 97
24) Nitrobenzene	8.87	77	246792	35.59	ng	95
25) Isophorone	9.39	82	470512	32.68	ng	98
26) 2-Nitrophenol	9.58	139	137712	42.59	ng	99
27) 2,4-Dimethylphenol	9.65	122	253606	42.11	ng	99
28) bis(2-Chloroethoxy)methane	9.88	93	298498	36.32	ng	99
29) 2,4-Dichlorophenol	10.12	162	211899	44.46	ng	98
30) 1,2,4-Trichlorobenzene	10.33	180	200633	40.32	ng	96
31) Naphthalene	10.51	128	732116	37.40	ng	99
32) Benzoic acid	9.79	122	129083	35.61	ng	97
33) 4-Chloroaniline	10.63	127	116470	12.68	ng	96
34) Hexachlorobutadiene	10.80	225	87395	39.99	ng	99
35) Caprolactam	11.39	113	63183	21.06	ng	98
36) 4-Chloro-3-methylphenol	11.77	107	249178	39.58	ng	95
37) 2-Methylnaphthalene	12.13	142	527779	37.48	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	182508	39.10	ng	99
40) Hexachlorocyclopentadiene	12.48	237	177821	83.22	ng	99

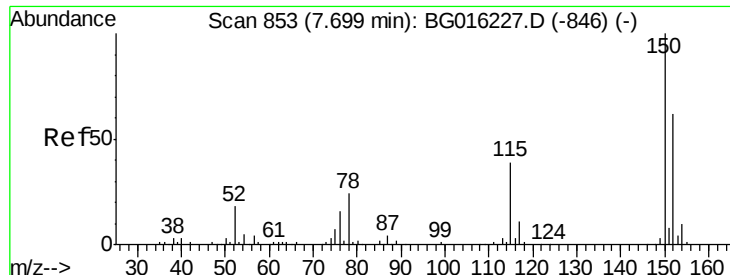
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041315\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	147877	42.63	ng	99
43) 2,4,5-Trichlorophenol	12.82	196	162176	43.76	ng	98
45) 1,1'-Biphenyl	13.15	154	635126	39.05	ng	98
46) 2-Chloronaphthalene	13.19	162	480166	38.76	ng	100
47) 2-Nitroaniline	13.40	65	151919	38.04	ng	96
48) Acenaphthylene	14.04	152	822039	37.31	ng	99
49) Dimethylphthalate	13.78	163	589056	37.91	ng	99
50) 2,6-Dinitrotoluene	13.90	165	149516	39.78	ng	94
51) Acenaphthene	14.38	154	497833	37.81	ng	99
52) 3-Nitroaniline	14.23	138	87362	18.20	ng	88
53) 2,4-Dinitrophenol	14.44	184	133261	63.21	ng	96
54) Dibenzofuran	14.71	168	714205	39.09	ng	100
55) 4-Nitrophenol	14.56	139	312516	78.79	ng	98
56) 2,4-Dinitrotoluene	14.69	165	205601	40.16	ng	93
57) Fluorene	15.37	166	620502	38.50	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.95	232	126321	44.17	ng	95
59) Diethylphthalate	15.15	149	624838	37.78	ng	99
60) 4-Chlorophenyl-phenylether	15.36	204	257073	38.99	ng	99
61) 4-Nitroaniline	15.40	138	193014	35.43	ng	99
62) Azobenzene	15.65	77	639296	36.31	ng	99
64) 4,6-Dinitro-2-methylphenol	15.45	198	105219	36.60	ng	90
65) n-Nitrosodiphenylamine	15.58	169	557166	39.25	ng	98
66) 4-Bromophenyl-phenylether	16.25	248	134771	40.20	ng	96
67) Hexachlorobenzene	16.37	284	136714	39.23	ng	96
68) Atrazine	16.53	200	173164	43.77	ng	98
69) Pentachlorophenol	16.72	266	168715	79.29	ng	97
70) Phenanthrene	17.10	178	915492	38.76	ng	99
71) Anthracene	17.19	178	924160	39.48	ng	99
72) Carbazole	17.46	167	950593	40.46	ng	99
73) Di-n-butylphthalate	18.03	149	1107130	38.51	ng	100
74) Fluoranthene	19.12	202	955956	39.27	ng	98
76) Benzidine	19.31	184	263658	16.93	ng	98
77) Pyrene	19.48	202	992923	38.82	ng	99
79) Butylbenzylphthalate	20.38	149	523147	41.63	ng	100
80) Benzo(a)anthracene	21.22	228	858088	39.52	ng	100
81) 3,3'-Dichlorobenzidine	21.16	252	158781	22.24	ng	99
82) Chrysene	21.27	228	815759	38.92	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	715446	42.05	ng	97
84) Di-n-octyl phthalate	22.02	149	1208312	43.59	ng	99
85) Indeno(1,2,3-cd)pyrene	25.75	276	904429	41.54	ng	98
87) Benzo(b)fluoranthene	22.80	252	798261	39.33	ng	98
88) Benzo(k)fluoranthene	22.84	252	811394	40.85	ng	98
89) Benzo(a)pyrene	23.38	252	791668	41.62	ng	99
90) Dibenzo(a,h)anthracene	25.76	278	749366	40.48	ng	98
91) Benzo(g,h,i)perylene	26.45	276	760503	41.13	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: BG016374.D

Acq: 13 Apr 2015 23:04

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BNA_G

ClientSampleId :

PB82688BS

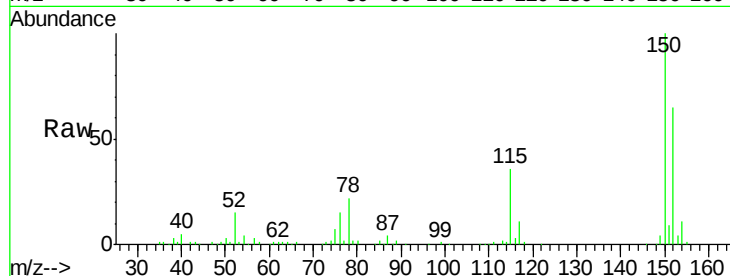
Tgt Ion:152 Resp: 84643

Ion Ratio Lower Upper

152 100

150 154.3 130.1 195.1

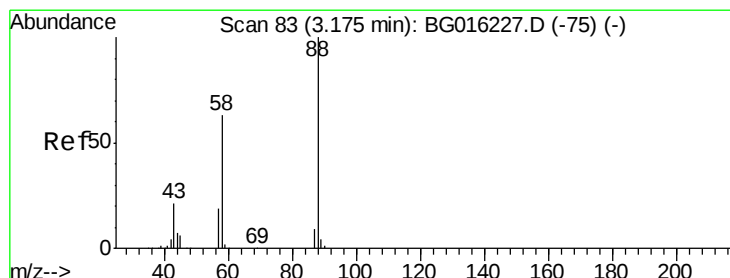
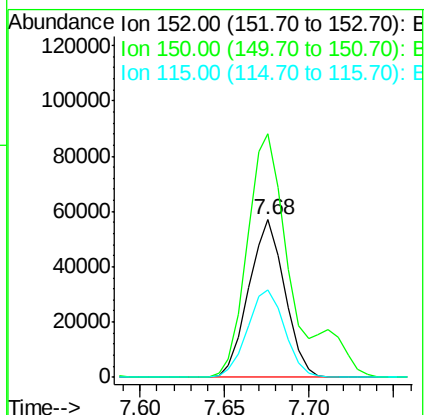
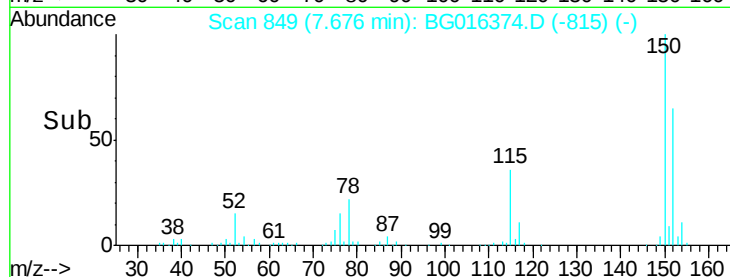
115 55.8 50.5 75.7



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: 32.98 ng

RT: 3.15 min Scan# 78

Delta R.T. 0.00 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

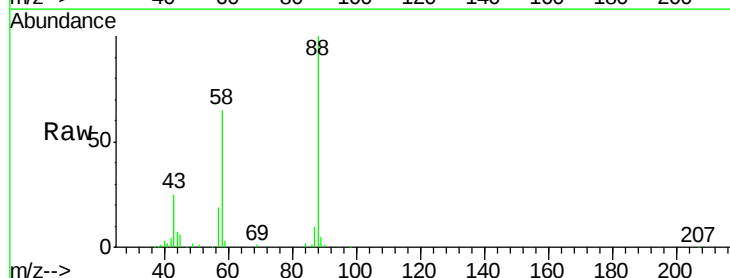
Tgt Ion: 88 Resp: 80408

Ion Ratio Lower Upper

88 100

58 63.0 50.6 76.0

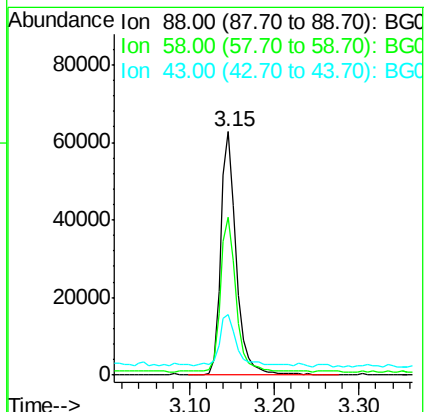
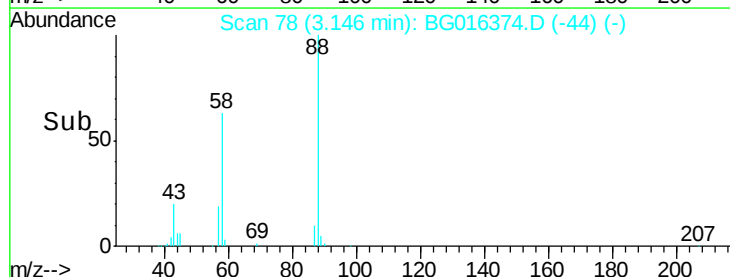
43 22.0 17.0 25.4

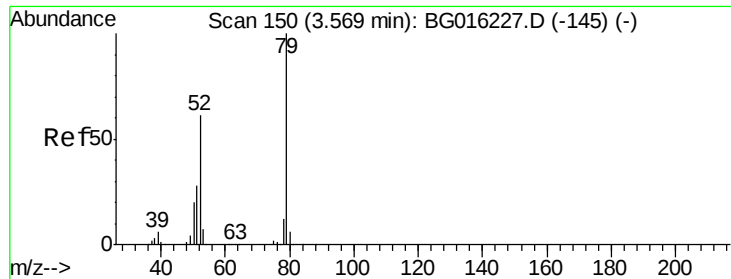


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 31.56 ng

RT: 3.54 min Scan# 145

Delta R.T. 0.00 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

Instrument :

BNA_G

ClientSampleId :

PB82688BS

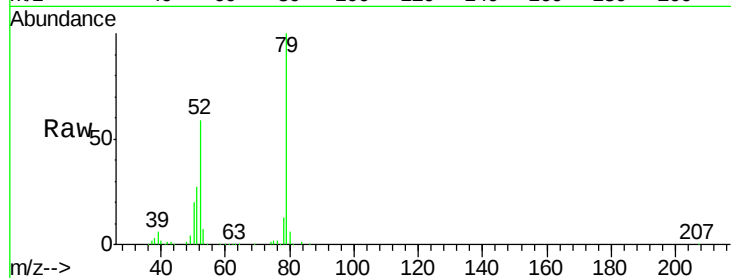
Tgt Ion: 79 Resp: 229947

Ion Ratio Lower Upper

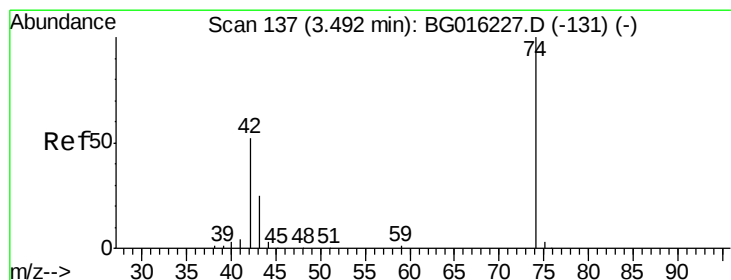
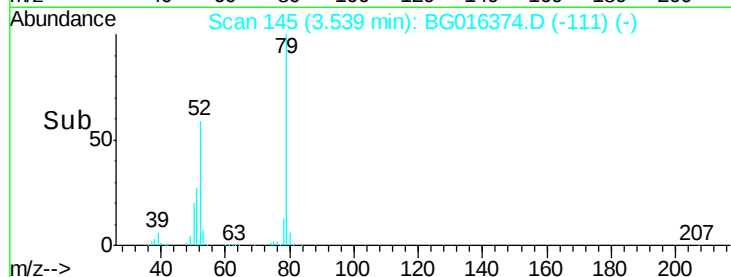
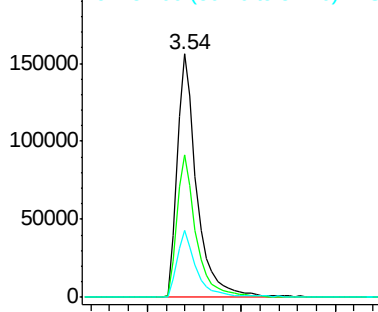
79 100

52 58.6 49.0 73.4

51 27.5 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: 34.55 ng

RT: 3.46 min Scan# 132

Delta R.T. 0.00 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

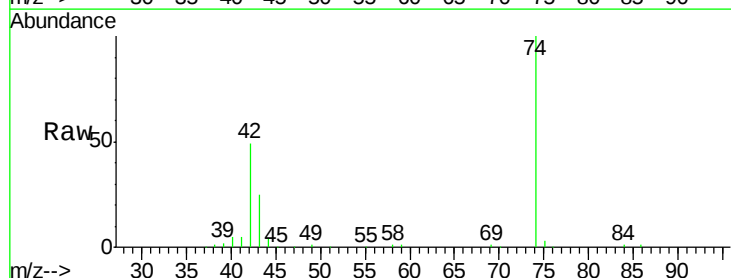
Tgt Ion: 42 Resp: 74837

Ion Ratio Lower Upper

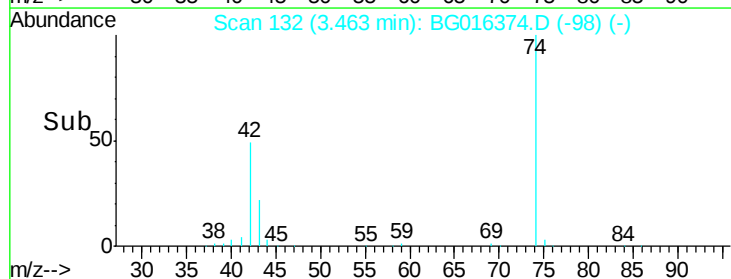
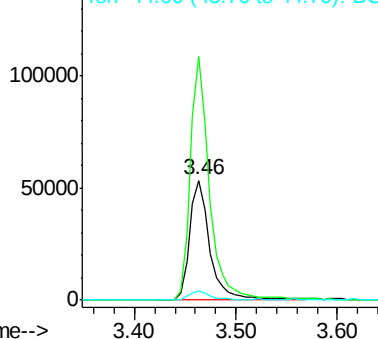
42 100

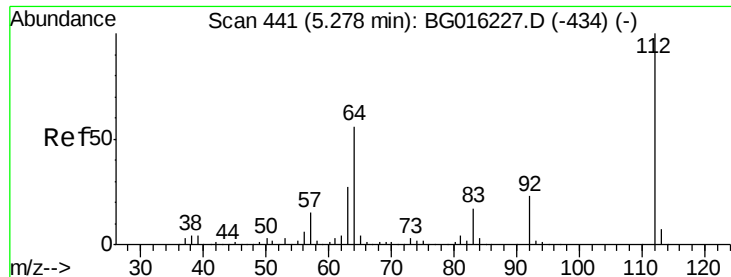
74 203.4 153.7 230.5

44 7.5 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: 136.59 ng

RT: 5.27 min Scan# 439

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

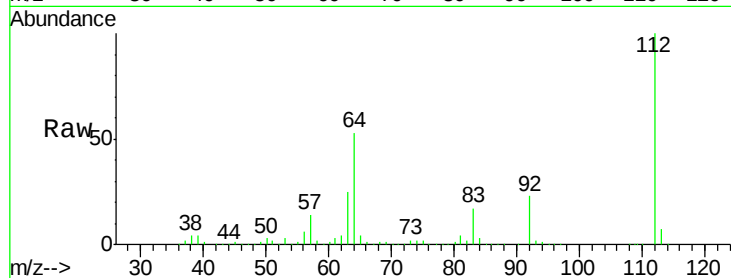
Instrument :

BNA_G

ClientSampleId :

PB82688BS

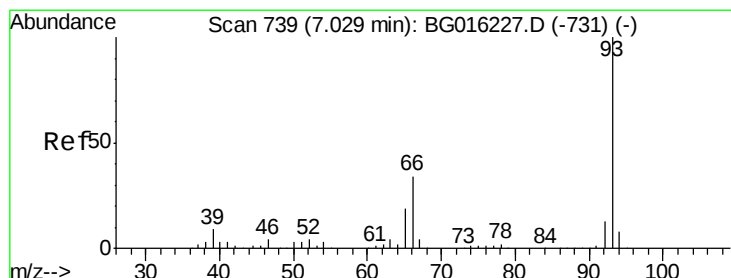
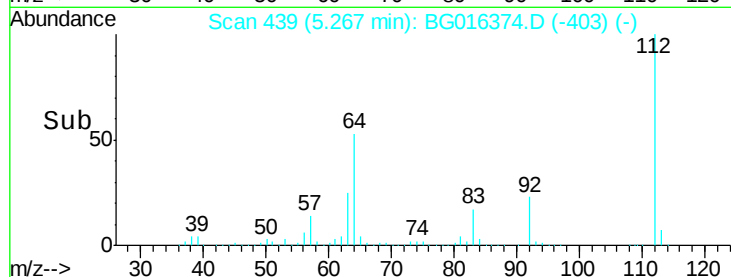
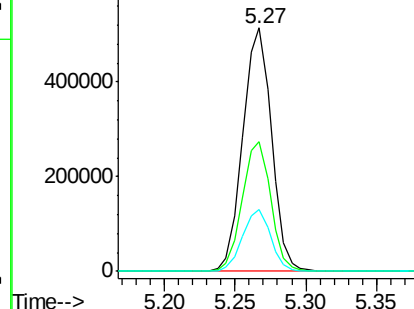
Tgt Ion:	112	Resp:	732562
Ion	Ratio	Lower	Upper
112	100		
64	53.3	44.5	66.7
63	25.5	21.4	32.0



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: 17.27 ng

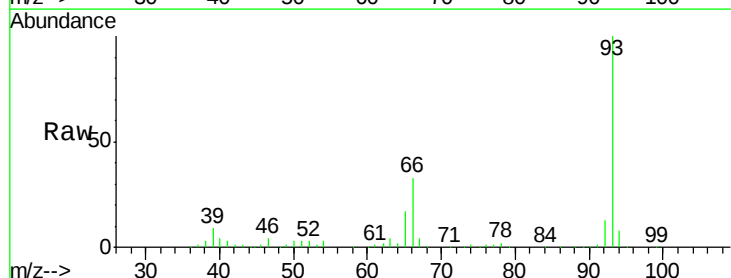
RT: 7.01 min Scan# 735

Delta R.T. 0.00 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

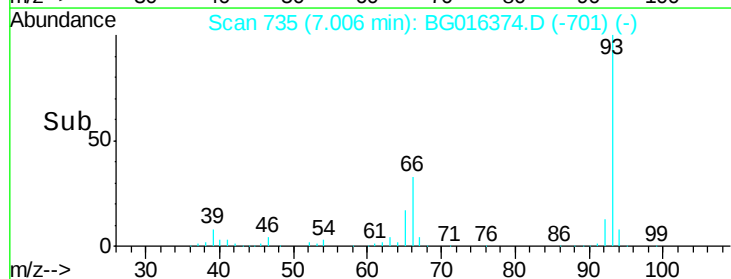
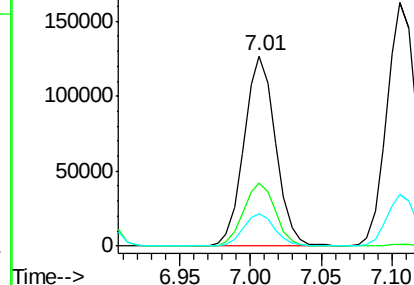
Tgt Ion:	93	Resp:	198534
Ion	Ratio	Lower	Upper
93	100		
66	33.4	27.5	41.3
65	16.8	15.1	22.7

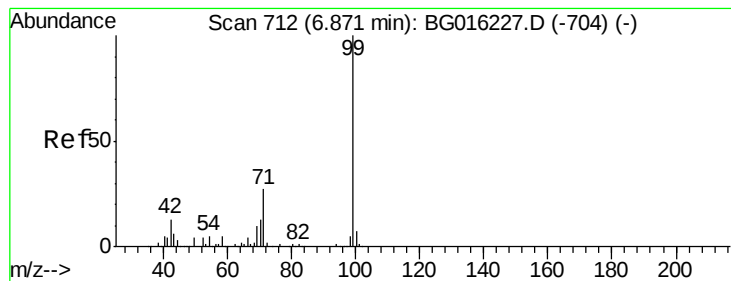


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 125.28 ng

RT: 6.87 min Scan# 711

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

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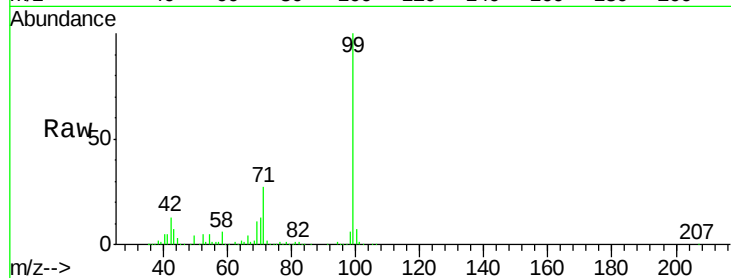
Tgt Ion: 99 Resp: 1008667

Ion Ratio Lower Upper

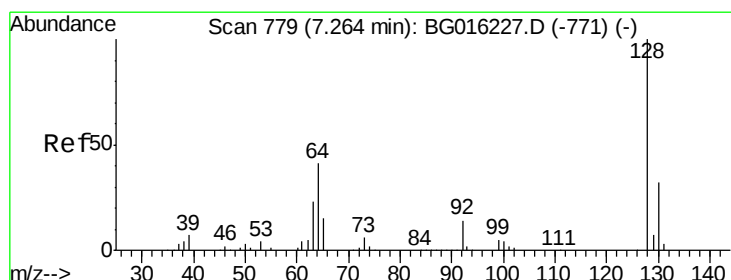
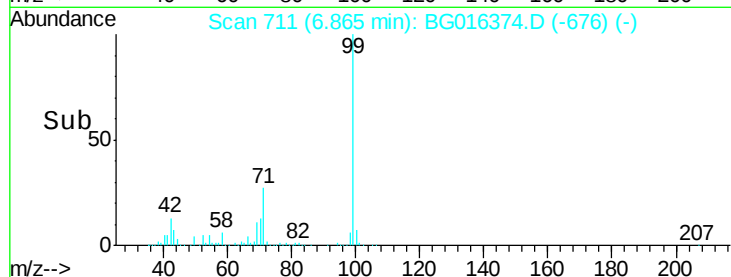
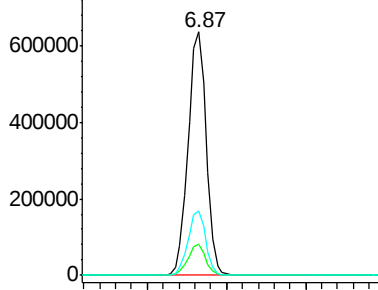
99 100

42 12.7 10.0 15.0

71 26.5 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: 40.41 ng

RT: 7.25 min Scan# 776

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

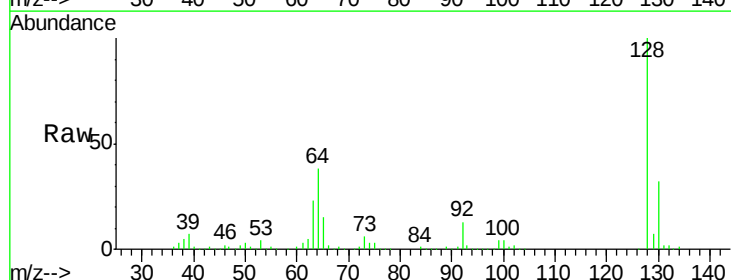
Tgt Ion: 128 Resp: 260295

Ion Ratio Lower Upper

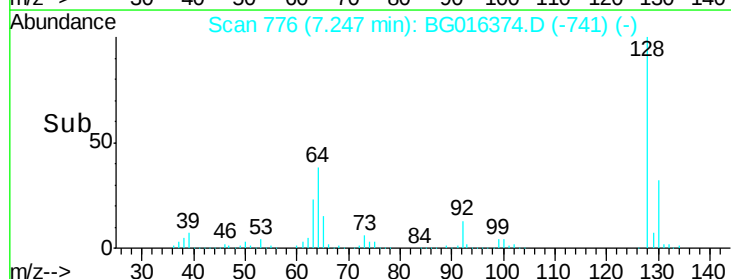
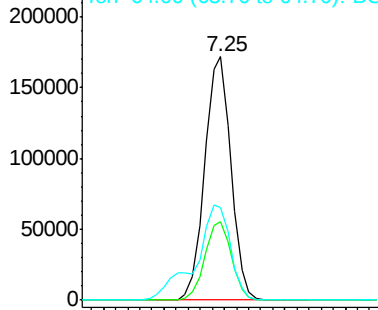
128 100

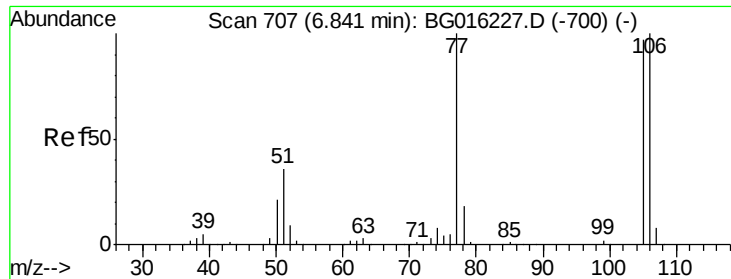
130 32.4 11.6 51.6

64 38.2 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: 13.10 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

Instrument :

BNA_G

ClientSampled :

PB82688BS

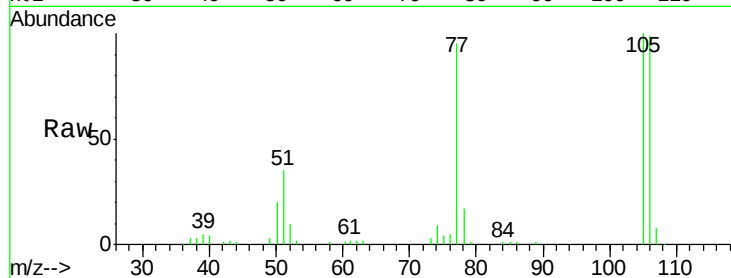
Tgt Ion: 77 Resp: 61761

Ion Ratio Lower Upper

77 100

105 104.9 76.8 116.8

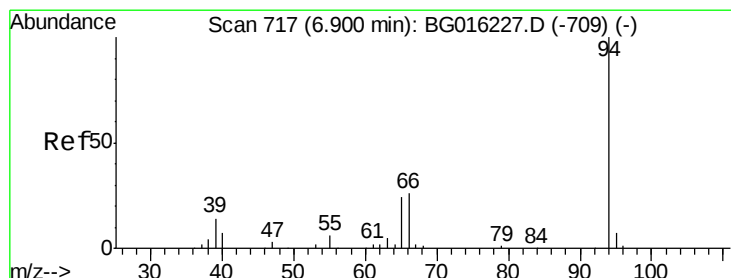
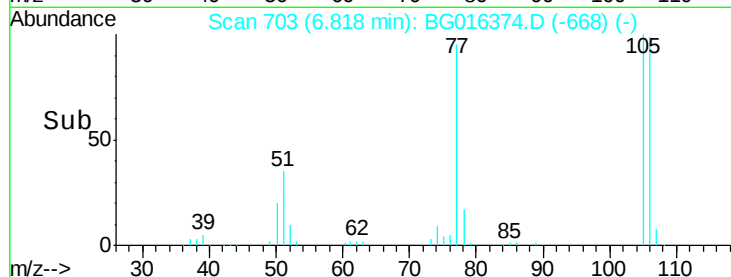
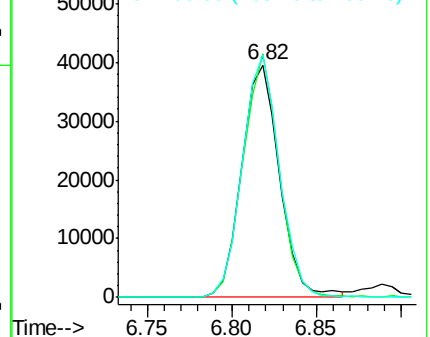
106 104.2 80.1 120.1



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: 38.40 ng

RT: 6.89 min Scan# 715

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

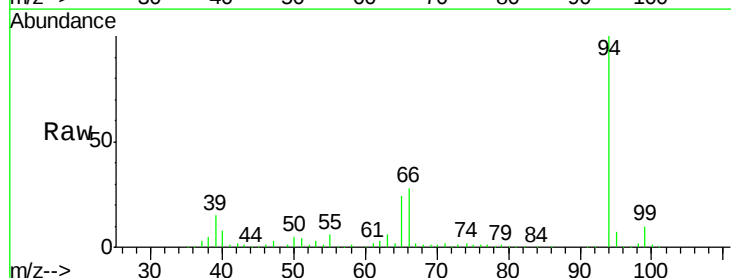
Tgt Ion: 94 Resp: 330819

Ion Ratio Lower Upper

94 100

65 23.5 3.8 43.8

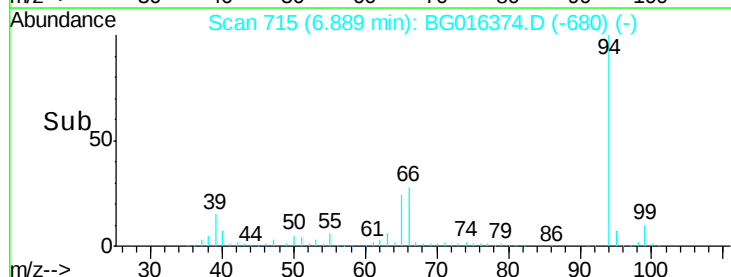
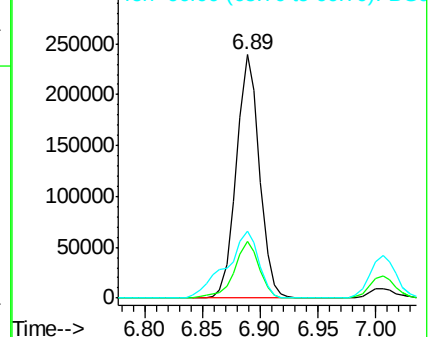
66 27.7 7.4 47.4

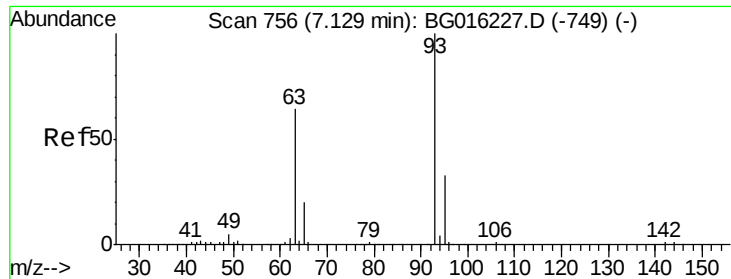


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

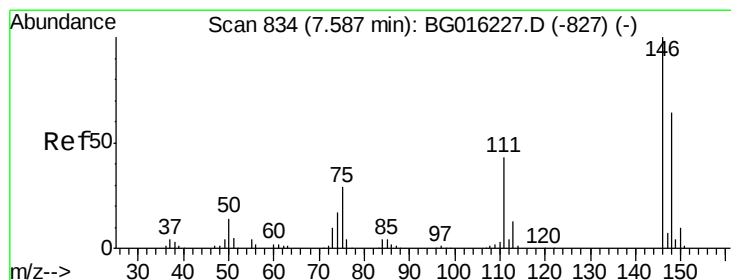
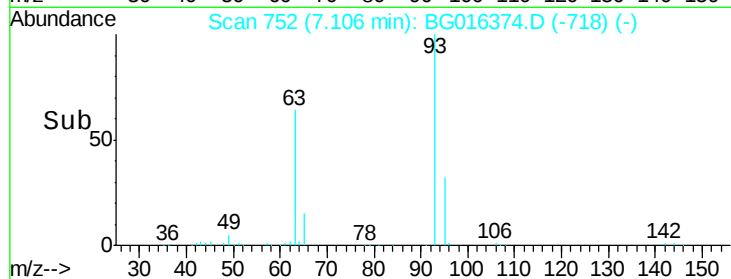
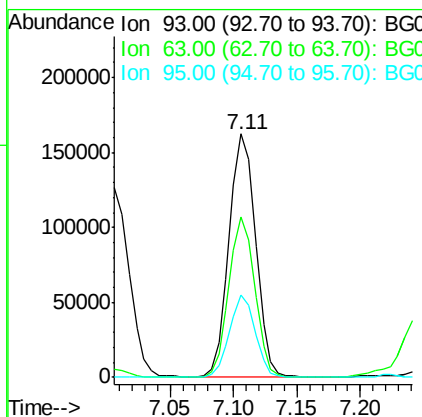
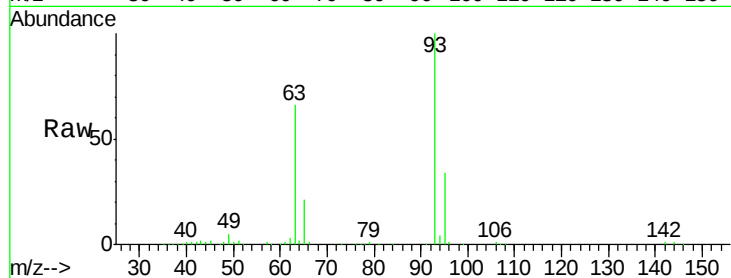




#11
 bis(2-Chloroethyl)ether
 Concen: 34.44 ng
 RT: 7.11 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BG016374.D
 Acq: 13 Apr 2015 23:04

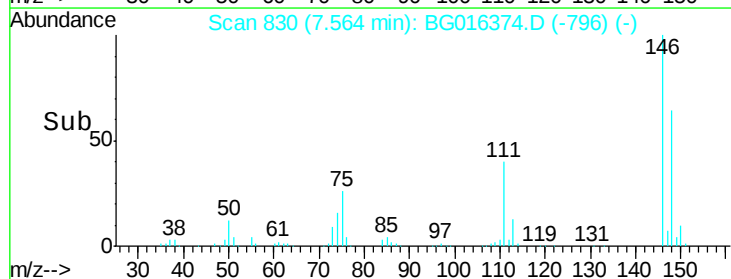
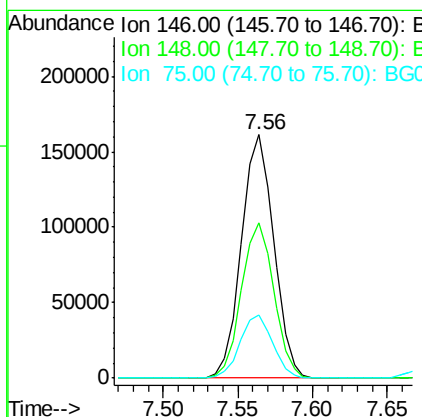
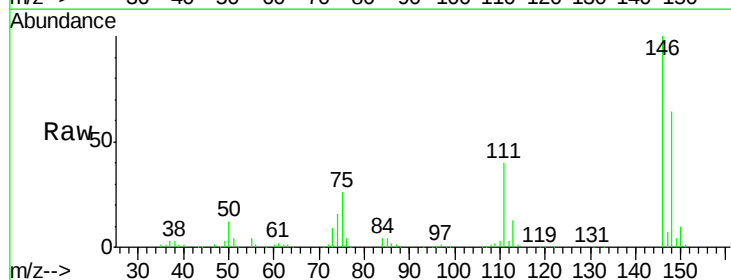
Instrument :
 BNA_G
 ClientSampleId :
 PB82688BS

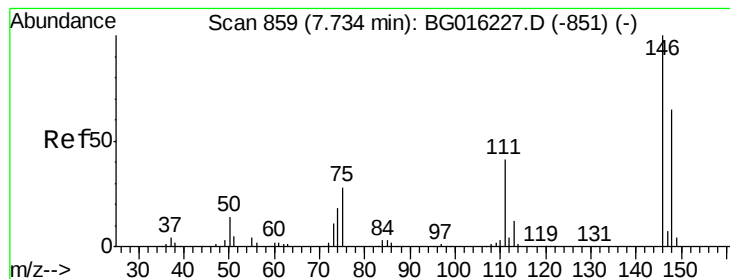
Tgt Ion	Ratio	Lower	Upper
93	100		
63	65.8	44.1	84.1
95	34.0	12.5	52.5



#12
 1,3-Dichlorobenzene
 Concen: 37.22 ng
 RT: 7.56 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BG016374.D
 Acq: 13 Apr 2015 23:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.9	76.3
75	25.7	23.3	34.9





#13

1,4-Dichlorobenzene

Concen: 36.33 ng

RT: 7.71 min Scan# 855

Delta R.T. 0.00 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

Instrument :

BNA_G

ClientSampleId :

PB82688BS

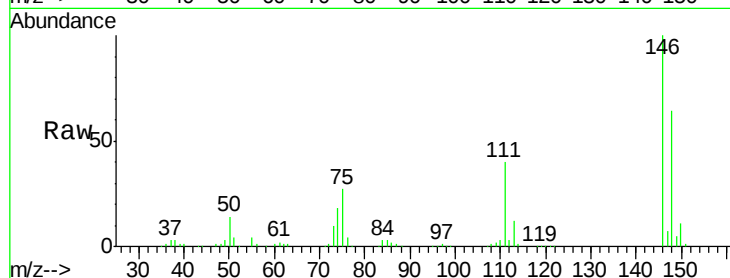
Tgt Ion:146 Resp: 245126

Ion Ratio Lower Upper

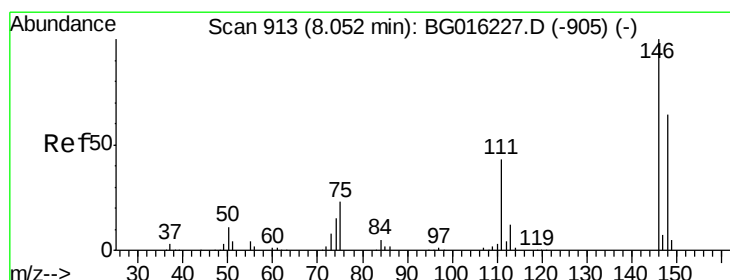
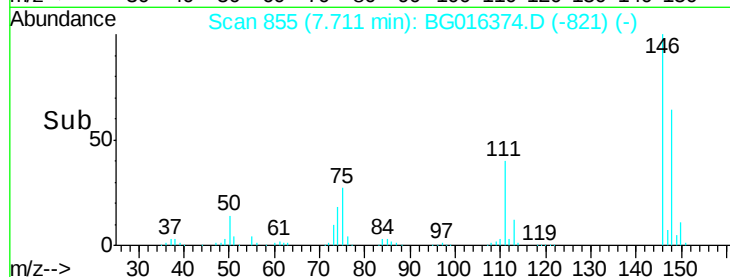
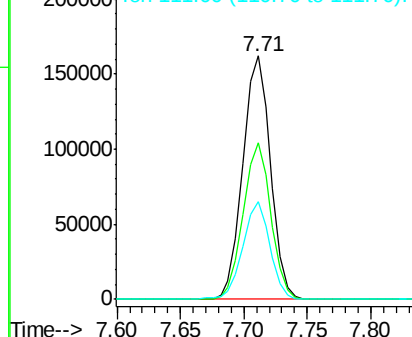
146 100

148 64.4 52.0 78.0

111 40.1 32.6 49.0



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: 36.98 ng

RT: 8.03 min Scan# 909

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

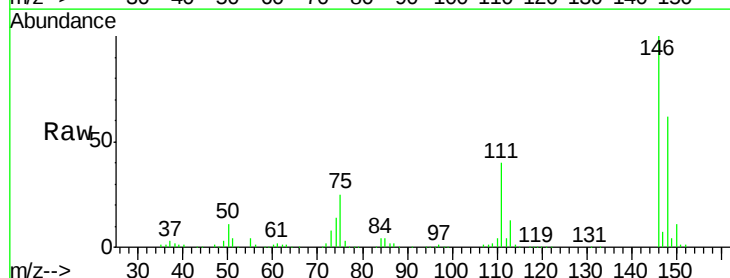
Tgt Ion:146 Resp: 238590

Ion Ratio Lower Upper

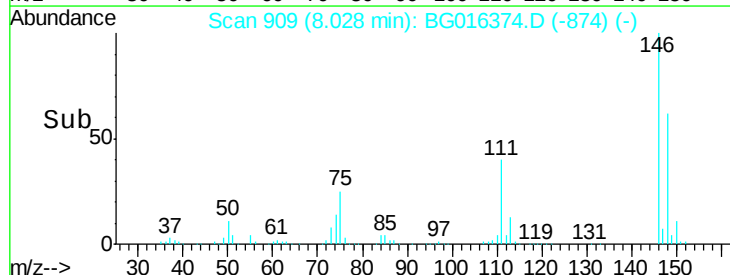
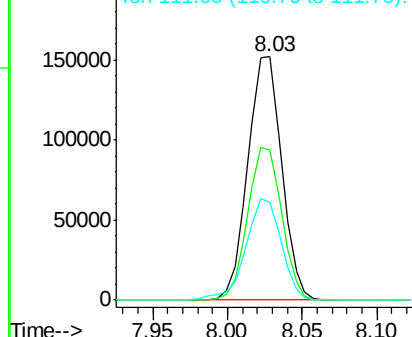
146 100

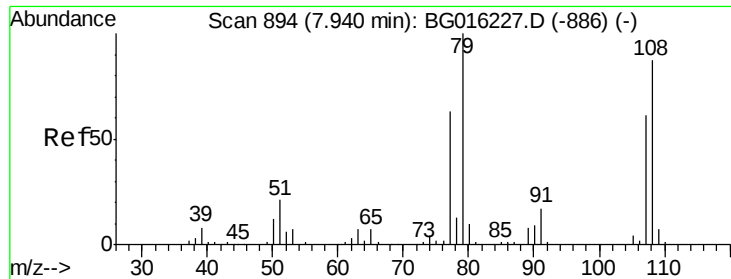
148 61.6 50.9 76.3

111 40.1 34.7 52.1



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





#15

Benzyl Alcohol

Concen: 34.70 ng

RT: 7.92 min Scan# 890

Delta R.T. 0.00 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

Instrument :

BNA_G

ClientSampleId :

PB82688BS

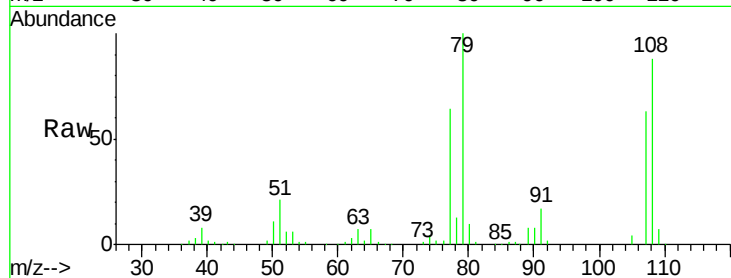
Tgt Ion: 79 Resp: 194753

Ion Ratio Lower Upper

79 100

108 88.1 69.3 103.9

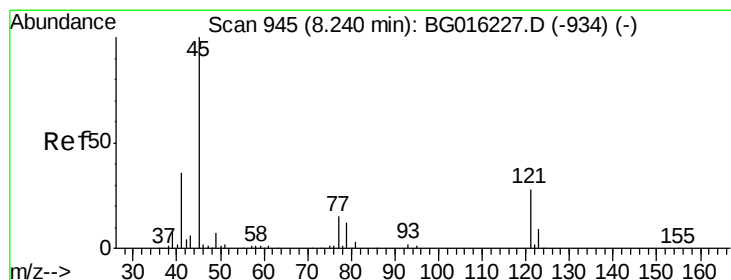
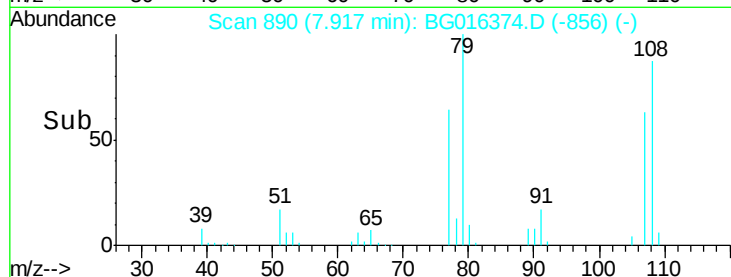
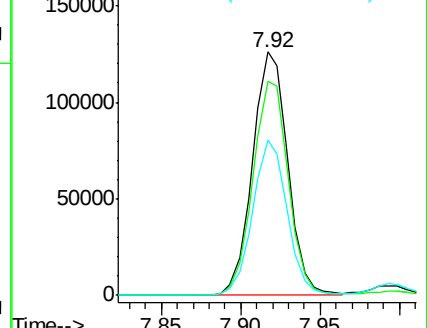
77 63.9 50.3 75.5



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: 33.21 ng

RT: 8.22 min Scan# 941

Delta R.T. 0.01 min

Lab File: BG016374.D

Acq: 13 Apr 2015 23:04

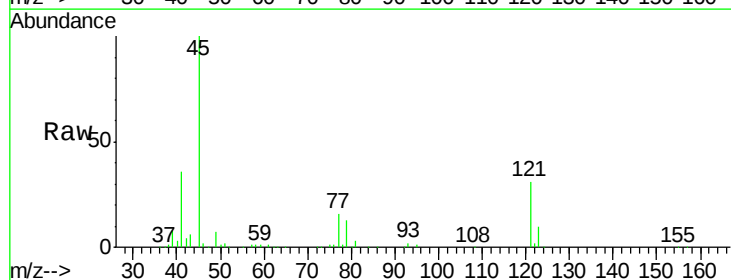
Tgt Ion: 45 Resp: 256911

Ion Ratio Lower Upper

45 100

77 15.8 0.0 35.3

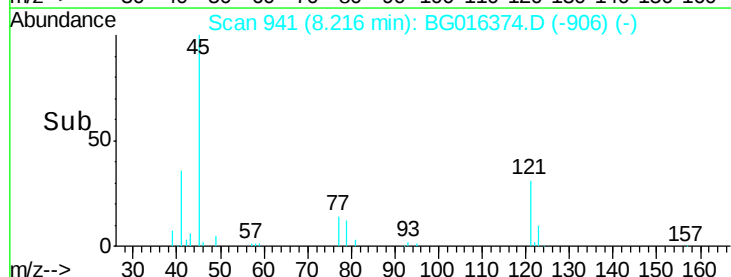
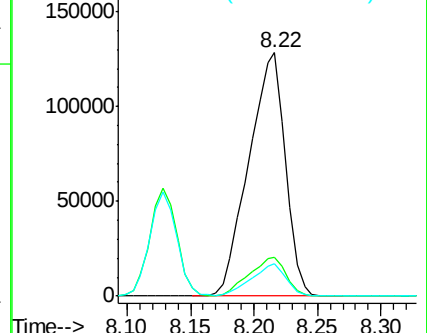
79 13.4 0.0 32.3

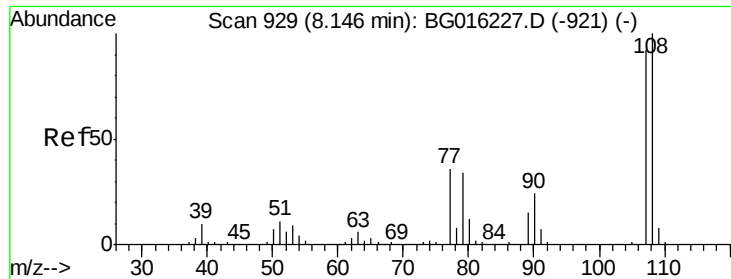


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

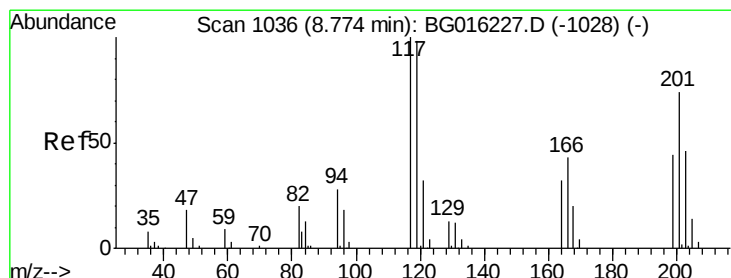
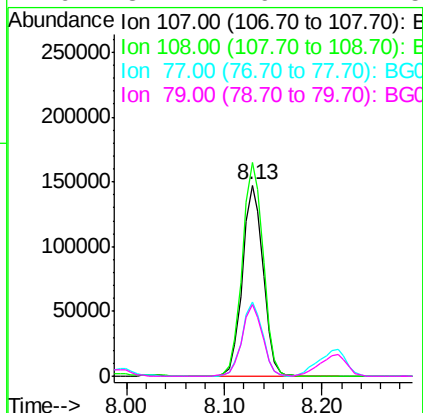
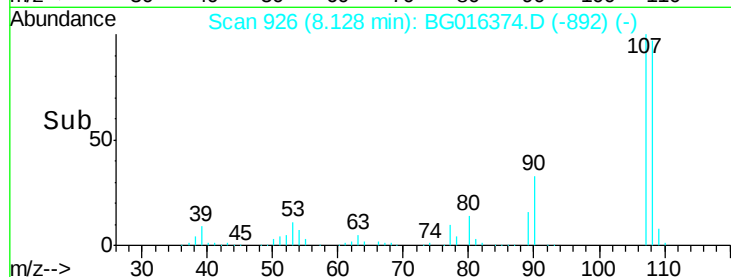
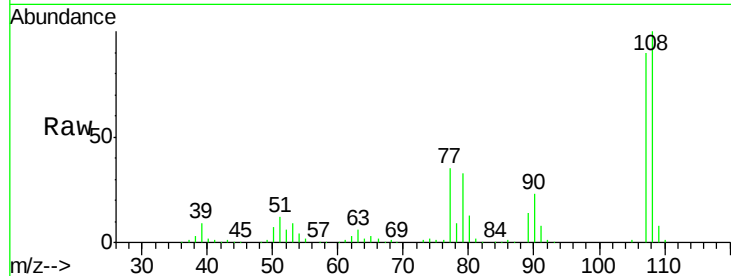




#17
2-Methylphenol
Concen: 37.75 ng
RT: 8.13 min Scan# 926
Delta R.T. 0.00 min
Lab File: BG016374.D
Acq: 13 Apr 2015 23:04

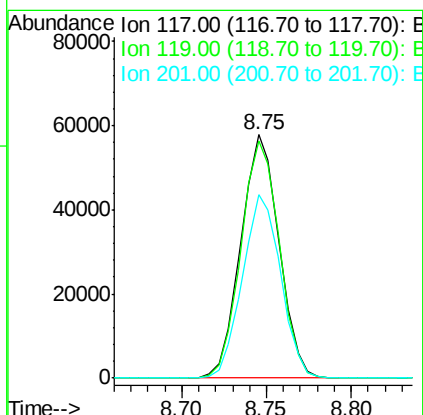
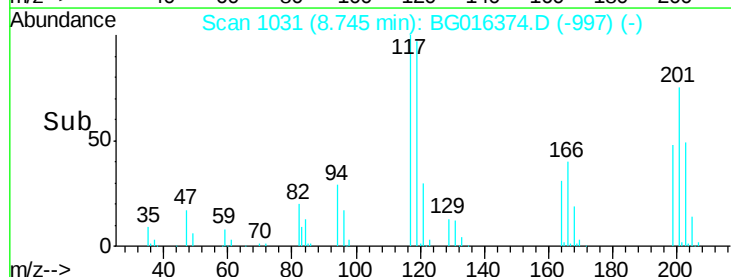
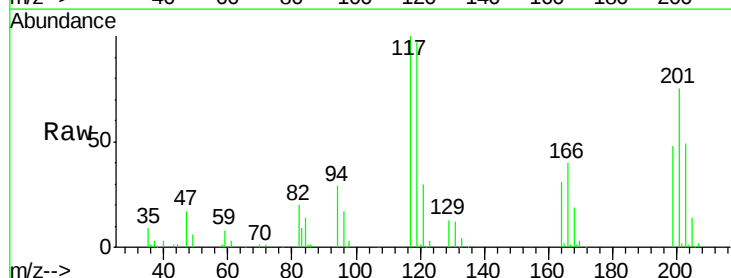
Instrument :
BNA_G
ClientSampleId :
PB82688BS

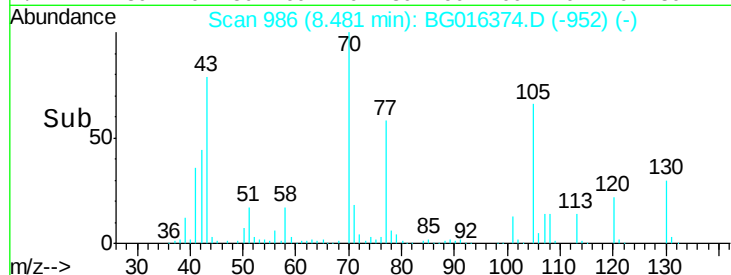
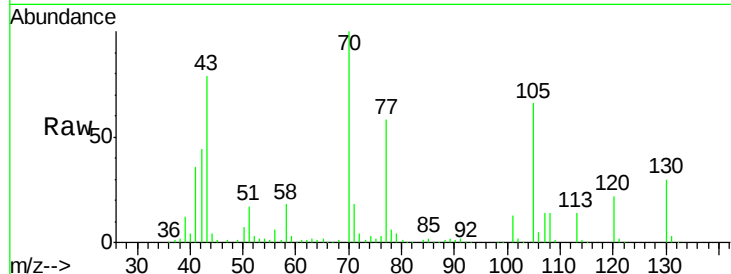
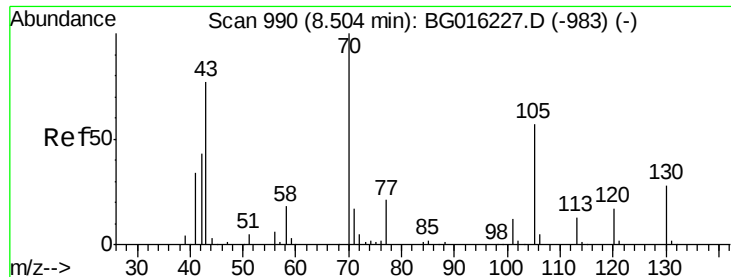
Tgt Ion:	107	Resp:	218067
Ion	Ratio	Lower	Upper
107	100		
108	111.7	87.2	130.8
77	38.8	31.1	46.7
79	37.2	29.7	44.5



#18
Hexachloroethane
Concen: 35.17 ng
RT: 8.75 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BG016374.D
Acq: 13 Apr 2015 23:04

Tgt Ion:	117	Resp:	90781
Ion	Ratio	Lower	Upper
117	100		
119	97.2	78.8	118.2
201	75.3	59.0	88.4

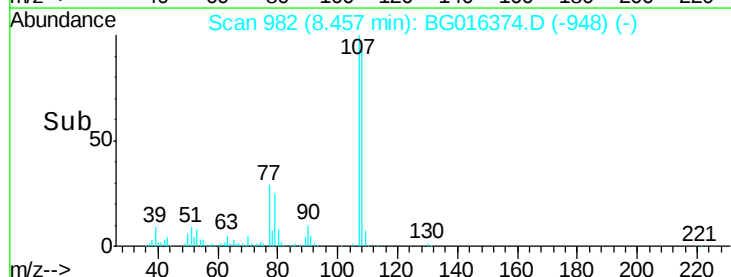
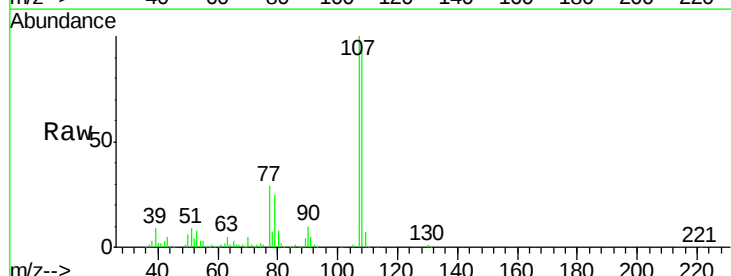
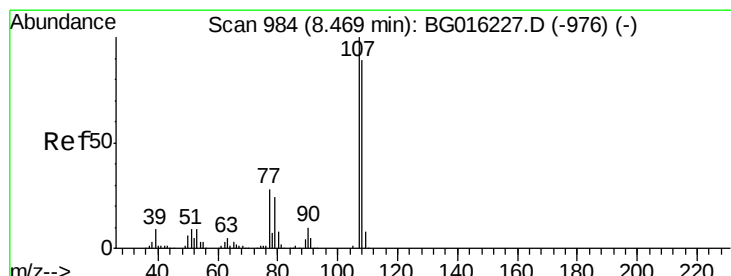
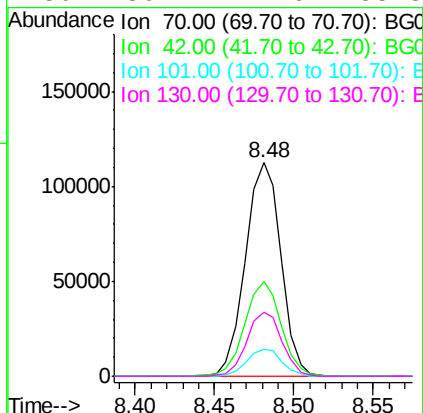




#19
n-Nitroso-di-n-propylamine
Concen: 30.30 ng
RT: 8.48 min Scan# 986
Delta R.T. 0.00 min
Lab File: BG016374.D
Acq: 13 Apr 2015 23:04

Instrument :
BNA_G
ClientSampleId :
PB82688BS

Tgt Ion: 70 Resp: 174796
Ion Ratio Lower Upper
70 100
42 44.4 34.7 52.1
101 12.5 9.2 13.8
130 30.2 22.6 33.8



#20
3+4-Methylphenols
Concen: 36.71 ng
RT: 8.46 min Scan# 982
Delta R.T. 0.00 min
Lab File: BG016374.D
Acq: 13 Apr 2015 23:04

Tgt Ion: 107 Resp: 293753
Ion Ratio Lower Upper
107 100
108 93.5 69.5 109.5
77 29.3 8.2 48.2
79 25.0 3.8 43.8

