

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042115\
 Data File : BG016594.D
 Acq On : 21 Apr 2015 21:33
 Operator : TP/IZ
 Sample : PB82905BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB82905BS

Quant Time: Apr 22 04:43:17 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	50201	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	208408	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	115538	20.00	ng	0.00
63) Phenanthrene-d10	17.02	188	263746	20.00	ng	0.00
75) Chrysene-d12	21.21	240	291602	20.00	ng	0.00
86) Perylene-d12	23.43	264	274134	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.23	112	351702	112.28	ng	0.00
7) Phenol-d6	6.83	99	472990	108.08	ng	0.00
23) Nitrobenzene-d5	8.79	82	237893	70.29	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	90956	115.91	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	524719	75.21	ng	0.00
78) Terphenyl-d14	19.66	244	821844	67.90	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.10	88	42996	30.52	ng	94
3) Pyridine	3.50	79	114309	29.34	ng	98
4) n-Nitrosodimethylamine	3.42	42	37403	32.07	ng	99
6) Aniline	6.96	93	120272	19.90	ng	98
8) 2-Chlorophenol	7.21	128	132860	35.53	ng	97
9) Benzaldehyde	6.78	77	13115	6.59	ng	95
10) Phenol	6.85	94	162894	35.19	ng	98
11) bis(2-Chloroethyl)ether	7.06	93	117884	32.53	ng	99
12) 1,3-Dichlorobenzene	7.52	146	129999	33.30	ng	97
13) 1,4-Dichlorobenzene	7.67	146	130602	32.86	ng	99
14) 1,2-Dichlorobenzene	7.98	146	125307	33.14	ng	98
15) Benzyl Alcohol	7.88	79	90668	32.56	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.17	45	119093	33.94	ng	99
17) 2-Methylphenol	8.09	107	106976	34.29	ng	99
18) Hexachloroethane	8.70	117	47436	33.24	ng	95
19) n-Nitroso-di-n-propylamine	8.44	70	82456	29.14	ng	97
20) 3+4-Methylphenols	8.42	107	142802	33.24	ng	99
22) Acetophenone	8.46	105	162524	35.01	ng	99
24) Nitrobenzene	8.83	77	119177	33.83	ng	99
25) Isophorone	9.35	82	219833	31.72	ng	99
26) 2-Nitrophenol	9.54	139	68289	35.11	ng	99
27) 2,4-Dimethylphenol	9.61	122	124919	37.77	ng	98
28) bis(2-Chloroethoxy)methane	9.84	93	145195	34.94	ng	97
29) 2,4-Dichlorophenol	10.08	162	105264	38.49	ng	98
30) 1,2,4-Trichlorobenzene	10.28	180	103259	35.51	ng	94
31) Naphthalene	10.47	128	376658	34.62	ng	99
32) Benzoic acid	9.77	122	23523	26.67	ng	97
33) 4-Chloroaniline	10.60	127	74484	14.97	ng	98
34) Hexachlorobutadiene	10.75	225	45990	35.59	ng	98
35) Caprolactam	11.34	113	25068	15.83	ng	97
36) 4-Chloro-3-methylphenol	11.73	107	115771	35.06	ng	98
37) 2-Methylnaphthalene	12.09	142	266615	34.23	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.46	216	92566	34.83	ng	99
40) Hexachlorocyclopentadiene	12.44	237	73513	68.97	ng	99

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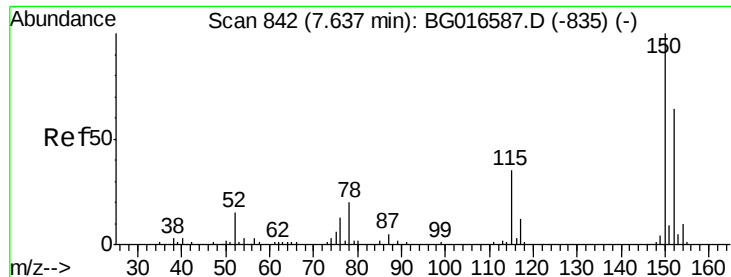
Instrument :
 BNA_G
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Quant Time: Apr 22 04:43:17 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	12.72	196	66452	35.31	ng	95
43) 2,4,5-Trichlorophenol	12.79	196	73954	36.85	ng	# 97
45) 1,1'-Biphenyl	13.11	154	327992	36.86	ng	98
46) 2-Chloronaphthalene	13.15	162	246754	36.21	ng	98
47) 2-Nitroaniline	13.37	65	70538	35.49	ng	94
48) Acenaphthylene	14.00	152	421238	34.82	ng	99
49) Dimethylphthalate	13.74	163	300636	35.19	ng	99
50) 2,6-Dinitrotoluene	13.87	165	73480	35.02	ng	98
51) Acenaphthene	14.34	154	252882	35.03	ng	99
52) 3-Nitroaniline	14.20	138	61159	23.60	ng	100
53) 2,4-Dinitrophenol	14.41	184	61476	64.93	ng	98
54) Dibenzofuran	14.68	168	374026	36.80	ng	99
55) 4-Nitrophenol	14.53	139	156147	79.61	ng	97
56) 2,4-Dinitrotoluene	14.66	165	106807	36.99	ng	99
57) Fluorene	15.33	166	322310	35.99	ng	98
58) 2,3,4,6-Tetrachlorophenol	14.91	232	56837	37.54	ng	99
59) Diethylphthalate	15.11	149	323631	35.56	ng	99
60) 4-Chlorophenyl-phenylether	15.33	204	131676	35.81	ng	97
61) 4-Nitroaniline	15.36	138	105098	35.40	ng	98
62) Azobenzene	15.62	77	327467	38.76	ng	98
64) 4,6-Dinitro-2-methylphenol	15.43	198	55734	32.19	ng	92
65) n-Nitrosodiphenylamine	15.54	169	295049	33.37	ng	99
66) 4-Bromophenyl-phenylether	16.22	248	71015	34.20	ng	99
67) Hexachlorobenzene	16.34	284	73692	33.98	ng	91
68) Atrazine	16.49	200	95300	38.55	ng	97
69) Pentachlorophenol	16.68	266	70706	64.29	ng	98
70) Phenanthrene	17.06	178	525647	35.01	ng	98
71) Anthracene	17.16	178	531353	35.61	ng	100
72) Carbazole	17.43	167	589050	38.70	ng	100
73) Di-n-butylphthalate	17.99	149	713111	38.49	ng	99
74) Fluoranthene	19.09	202	630728	39.00	ng	99
76) Benzidine	19.27	184	355835	33.00	ng	99
77) Pyrene	19.45	202	680279	34.73	ng	99
79) Butylbenzylphthalate	20.35	149	363977	35.50	ng	98
80) Benzo(a)anthracene	21.19	228	621169	35.32	ng	100
81) 3,3'-Dichlorobenzidine	21.13	252	137947	23.69	ng	96
82) Chrysene	21.24	228	587007	34.77	ng	99
83) Bis(2-ethylhexyl)phthalate	21.12	149	505432	35.91	ng	99
84) Di-n-octyl phthalate	21.99	149	839445	35.92	ng	99
85) Indeno(1,2,3-cd)pyrene	25.69	276	627721	33.88	ng	100
87) Benzo(b)fluoranthene	22.76	252	591830	36.18	ng	99
88) Benzo(k)fluoranthene	22.80	252	557578	34.75	ng	99
89) Benzo(a)pyrene	23.33	252	564802	36.37	ng	98
90) Dibenzo(a,h)anthracene	25.69	278	524445	34.75	ng	99
91) Benzo(g,h,i)perylene	26.38	276	534760	35.12	ng	97

(#) = 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

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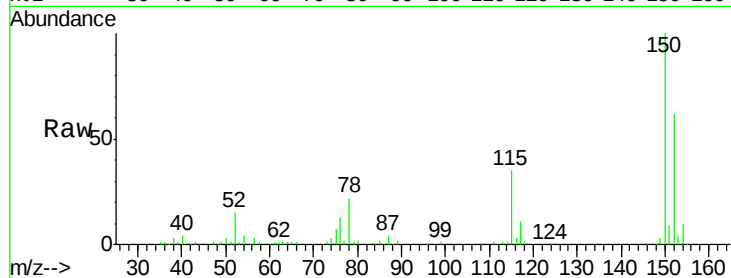
Tgt Ion:152 Resp: 50201

Ion Ratio Lower Upper

152 100

150 160.5 125.5 188.3

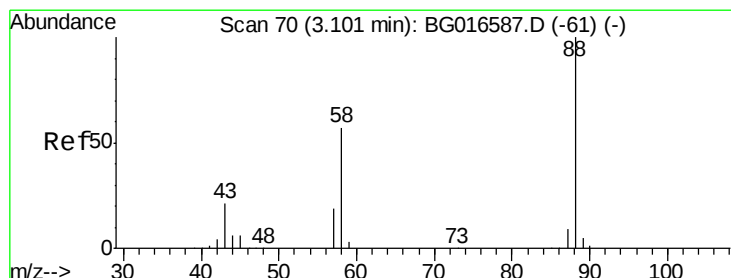
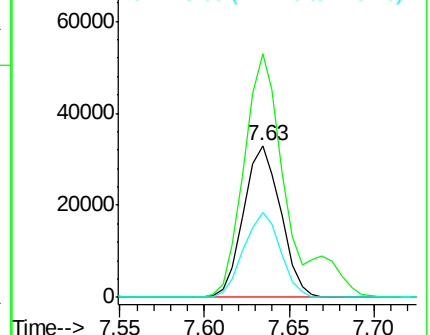
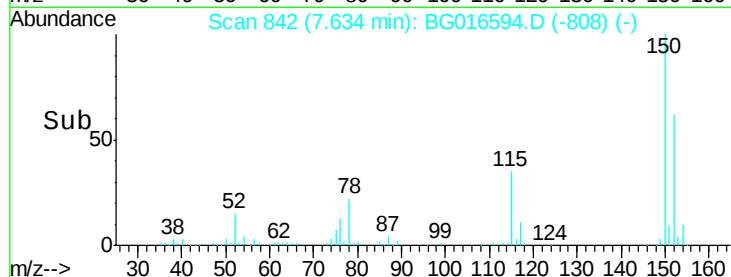
115 55.9 44.5 66.7



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: 30.52 ng

RT: 3.10 min Scan# 70

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

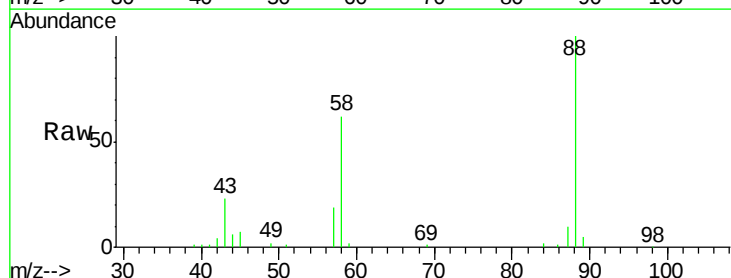
Tgt Ion: 88 Resp: 42996

Ion Ratio Lower Upper

88 100

58 62.5 46.0 69.0

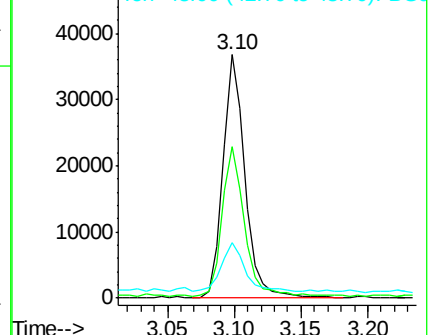
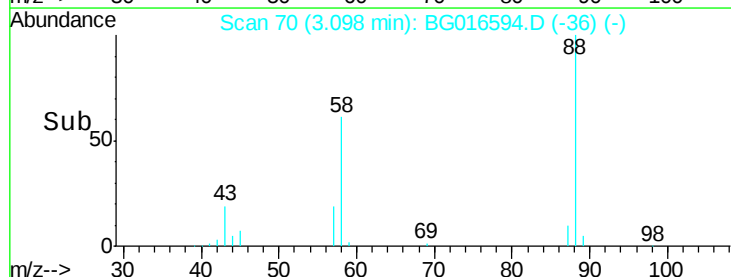
43 21.8 16.2 24.4

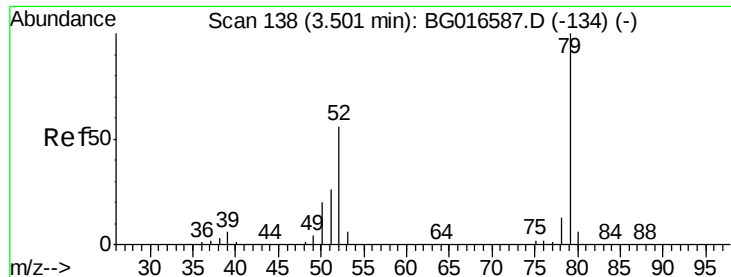


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 29.34 ng

RT: 3.50 min Scan# 138

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

Instrument :

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ClientSampleId :

PB82905BS

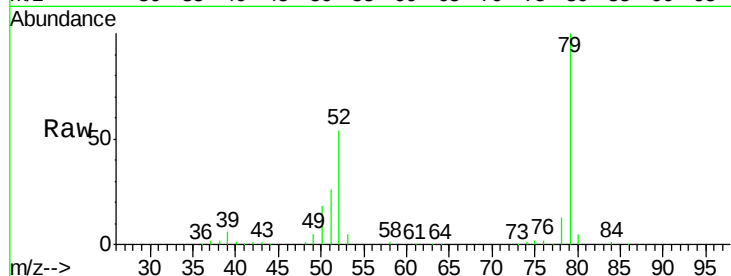
Tgt Ion: 79 Resp: 114309

Ion Ratio Lower Upper

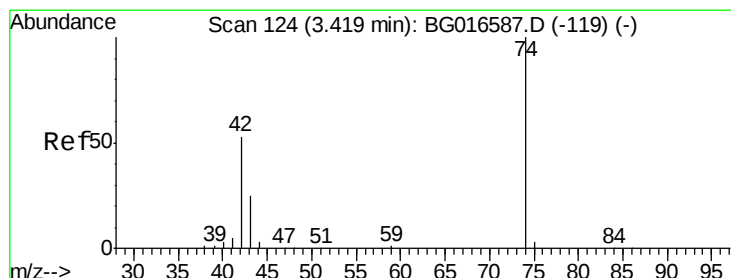
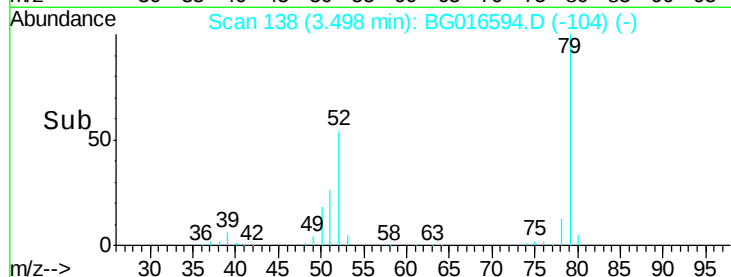
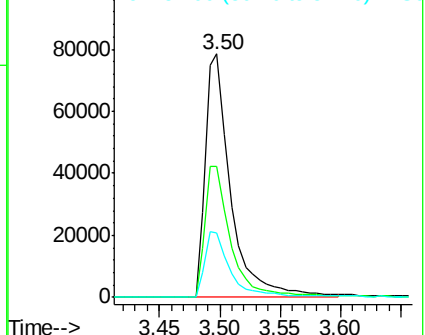
79 100

52 53.7 45.0 67.4

51 26.5 21.4 32.0



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: 32.07 ng

RT: 3.42 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

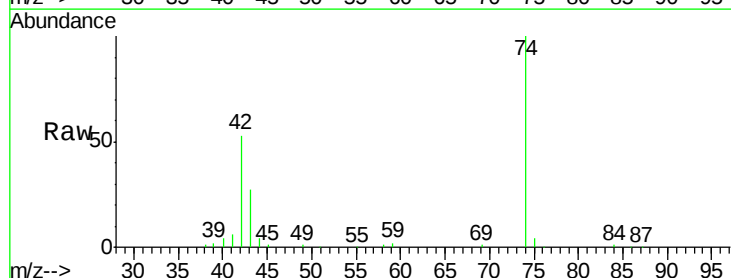
Tgt Ion: 42 Resp: 37403

Ion Ratio Lower Upper

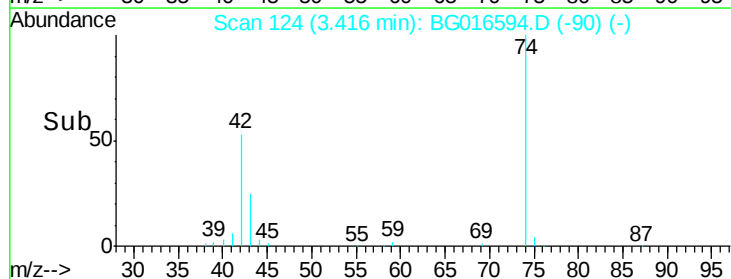
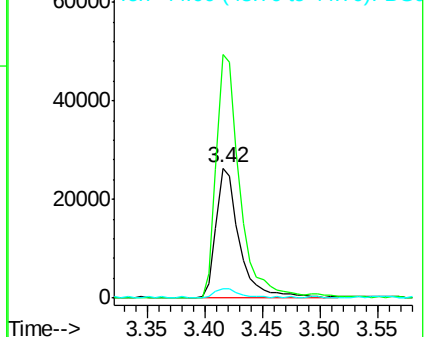
42 100

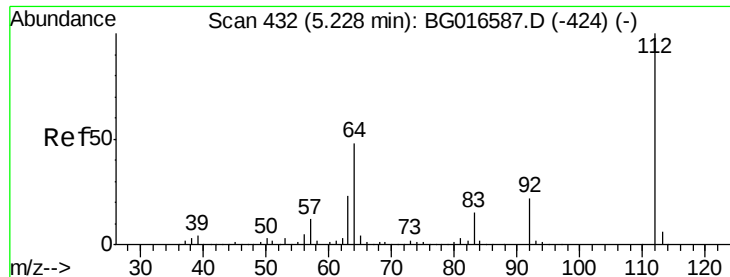
74 187.4 151.6 227.4

44 7.1 4.9 7.3



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: 112.28 ng

RT: 5.23 min Scan# 432

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

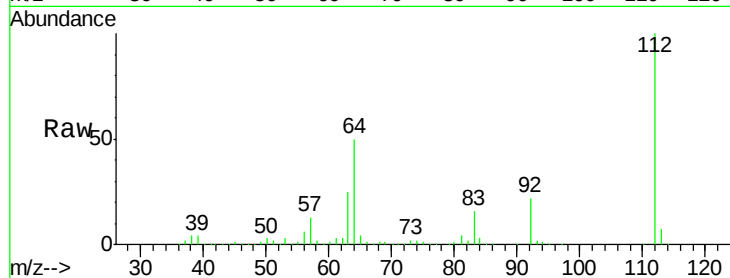
Instrument :

BNA_G

ClientSampleId :

PB82905BS

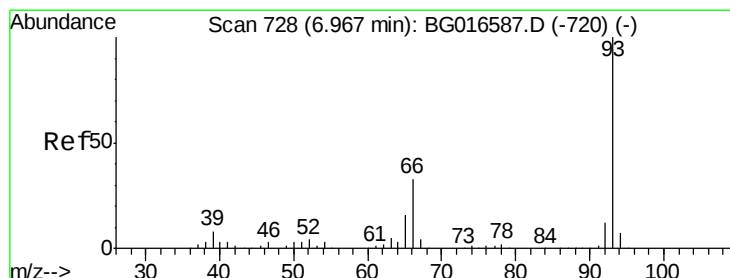
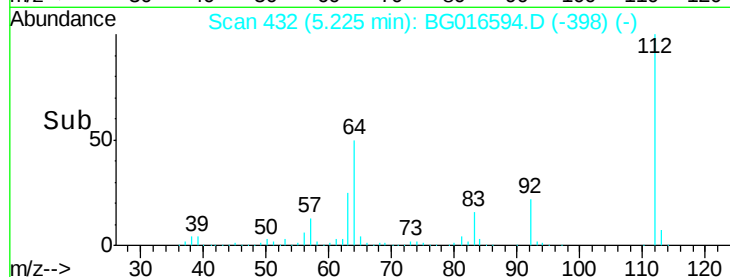
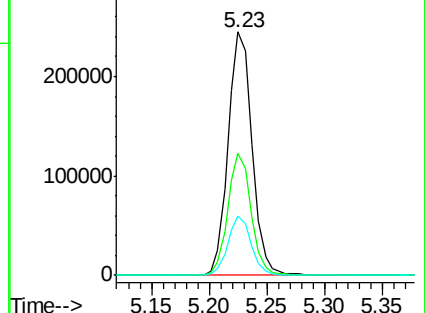
Tgt Ion:	112	Resp:	351702
Ion	Ratio	Lower	Upper
112	100		
64	50.3	38.5	57.7
63	24.5	18.2	27.4



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: 19.90 ng

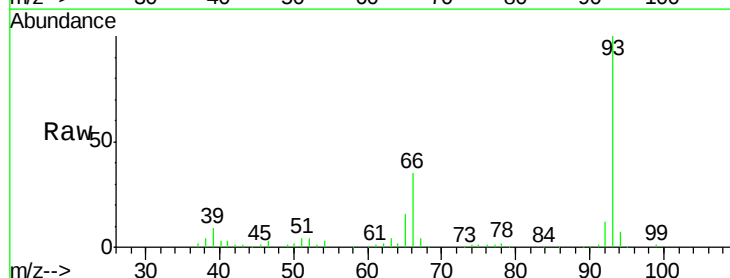
RT: 6.96 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

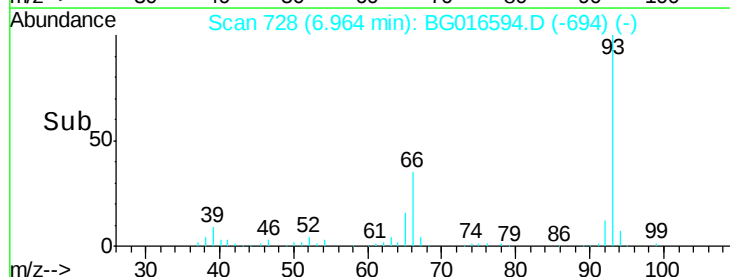
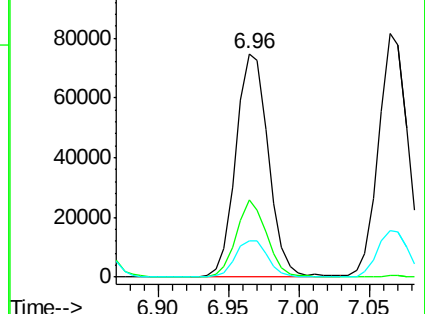
Tgt Ion:	93	Resp:	120272
Ion	Ratio	Lower	Upper
93	100		
66	34.6	26.1	39.1
65	16.4	13.0	19.6

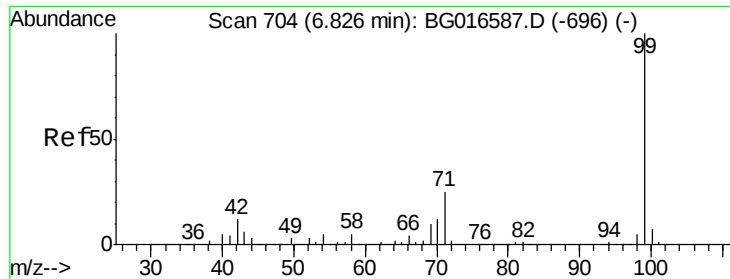


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 108.08 ng

RT: 6.83 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG016594.D

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ClientSampleId :

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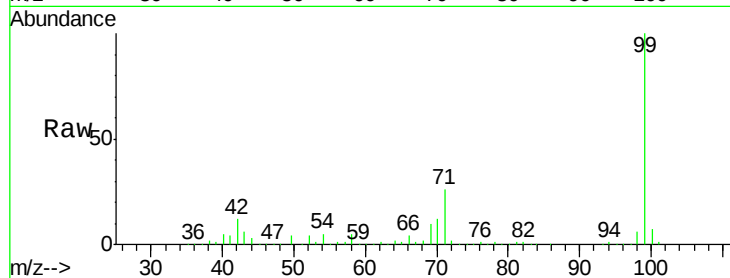
Tgt Ion: 99 Resp: 472990

Ion Ratio Lower Upper

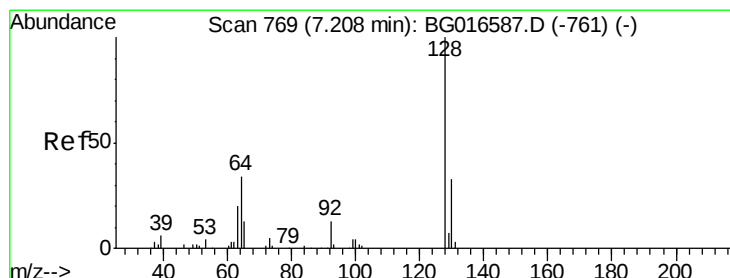
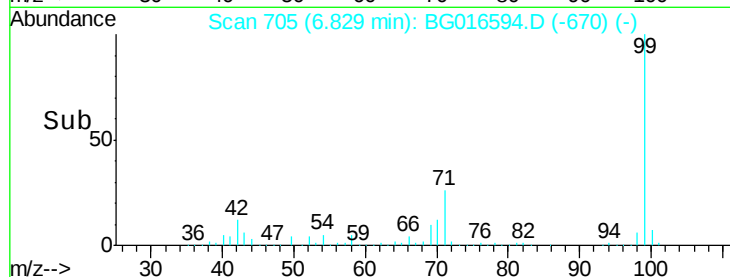
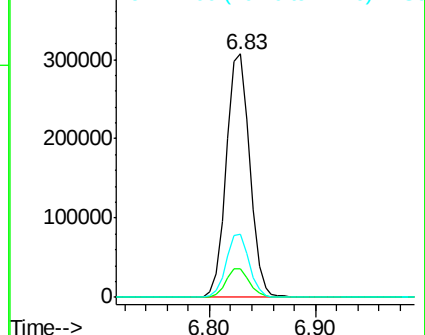
99 100

42 11.7 9.5 14.3

71 26.0 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: 35.53 ng

RT: 7.21 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

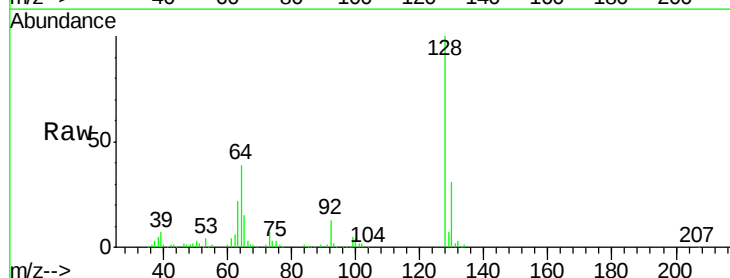
Tgt Ion: 128 Resp: 132860

Ion Ratio Lower Upper

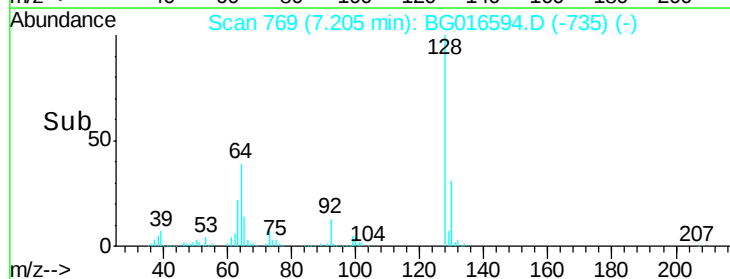
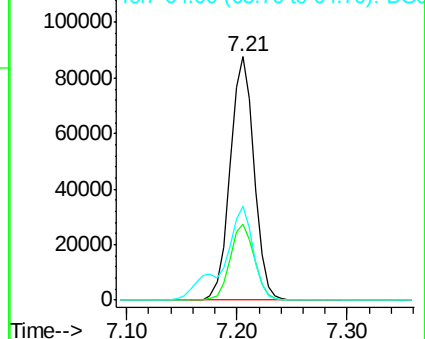
128 100

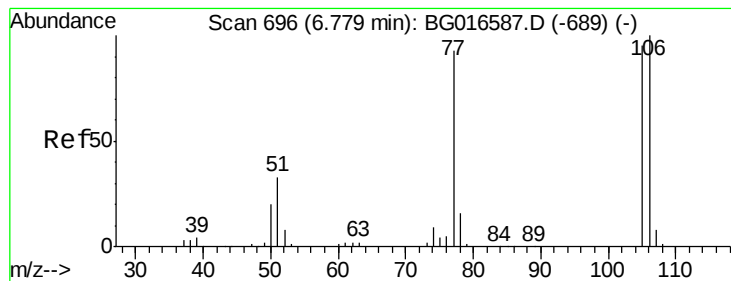
130 31.0 13.5 53.5

64 38.6 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: 6.59 ng

RT: 6.78 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

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ClientSampleId :

PB82905BS

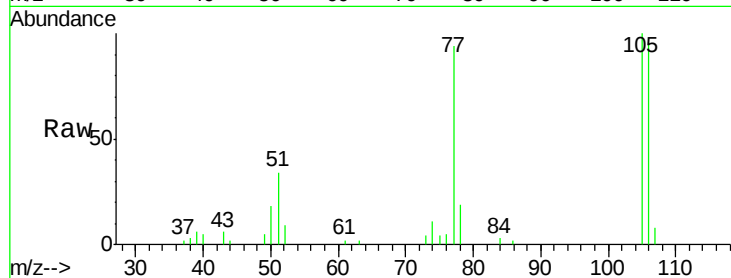
Tgt Ion: 77 Resp: 13115

Ion Ratio Lower Upper

77 100

105 106.8 81.6 121.6

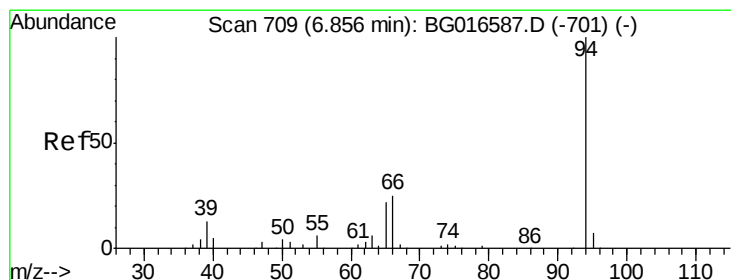
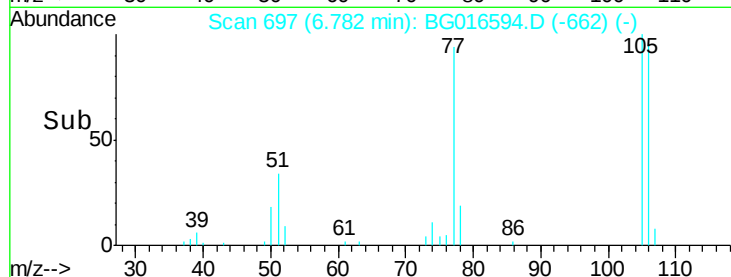
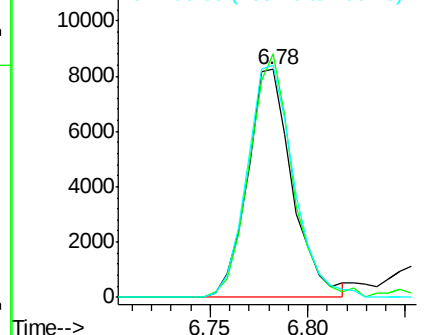
106 102.1 87.4 127.4



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: 35.19 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

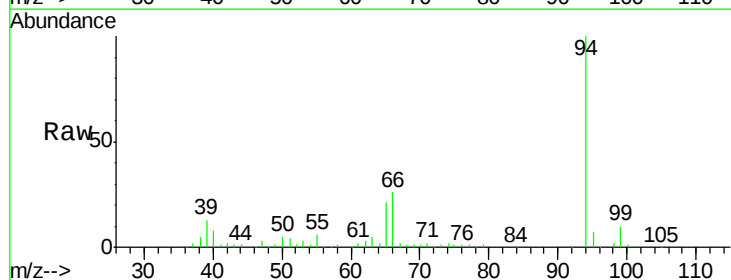
Tgt Ion: 94 Resp: 162894

Ion Ratio Lower Upper

94 100

65 20.6 2.6 42.6

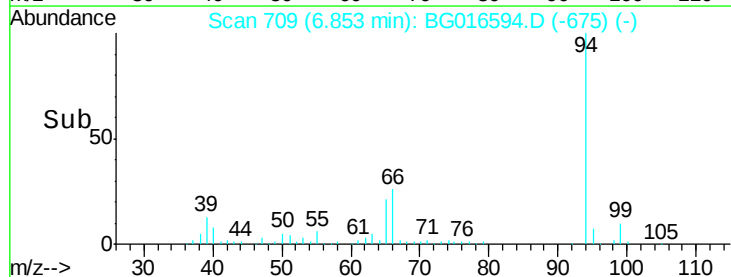
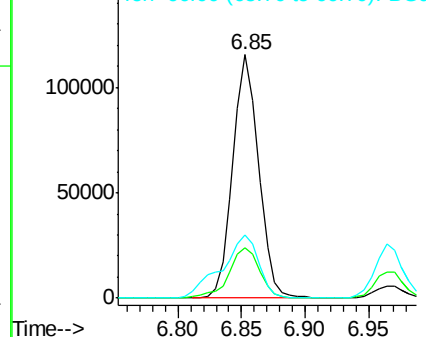
66 25.9 6.3 46.3

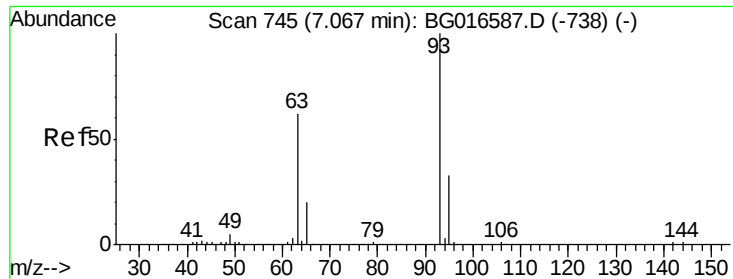


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

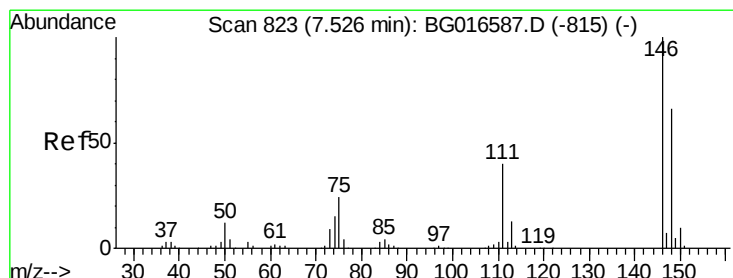
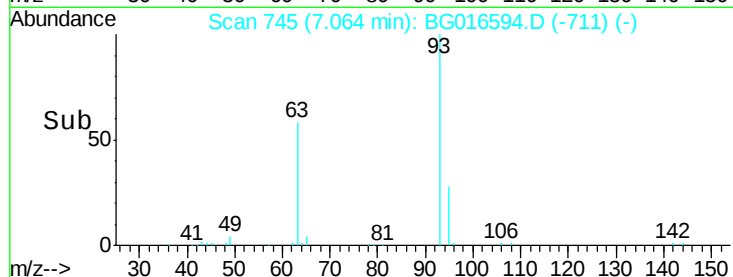
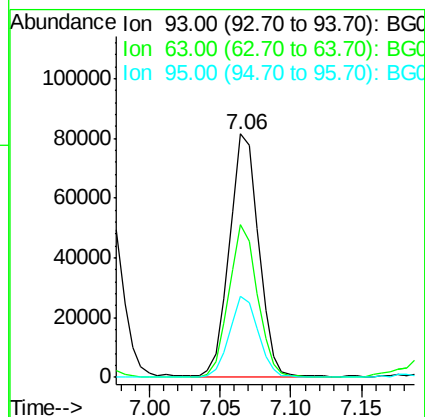
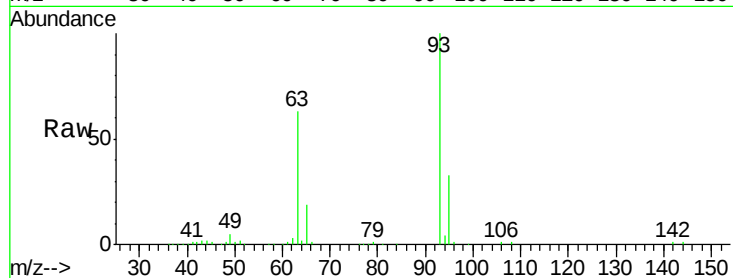




#11
bis(2-Chloroethyl)ether
Concen: 32.53 ng
RT: 7.06 min Scan# 745
Delta R.T. -0.00 min
Lab File: BG016594.D
Acq: 21 Apr 2015 21:33

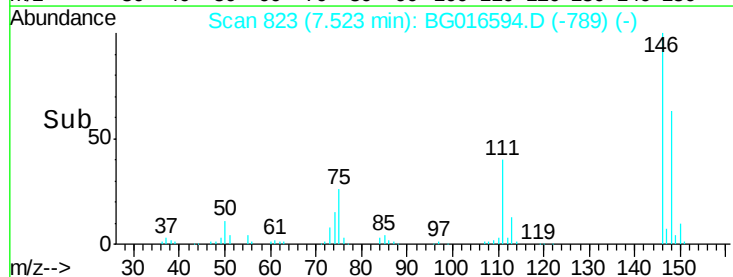
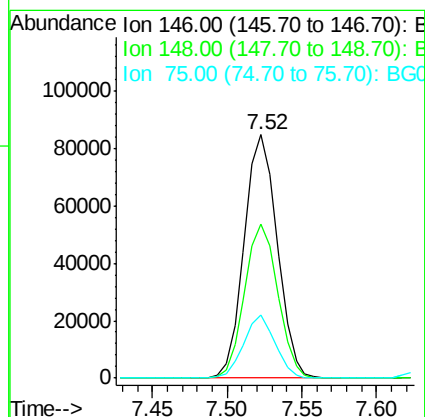
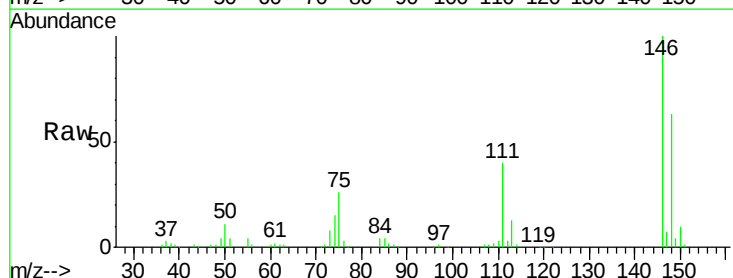
Instrument :
BNA_G
ClientSampleId :
PB82905BS

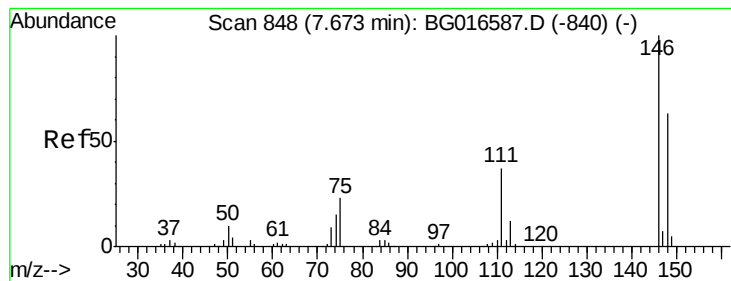
Tgt Ion: 93 Resp: 117884
Ion Ratio Lower Upper
93 100
63 62.6 42.0 82.0
95 33.1 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 33.30 ng
RT: 7.52 min Scan# 823
Delta R.T. -0.00 min
Lab File: BG016594.D
Acq: 21 Apr 2015 21:33

Tgt Ion: 146 Resp: 129999
Ion Ratio Lower Upper
146 100
148 63.3 52.6 79.0
75 25.7 19.5 29.3





#13

1,4-Dichlorobenzene

Concen: 32.86 ng

RT: 7.67 min Scan# 848

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

Instrument :

BNA_G

ClientSampleId :

PB82905BS

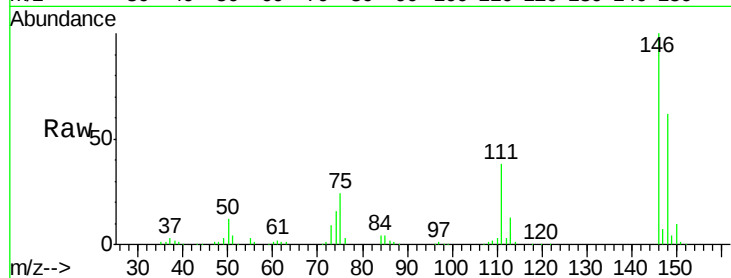
Tgt Ion:146 Resp: 130602

Ion Ratio Lower Upper

146 100

148 62.1 50.5 75.7

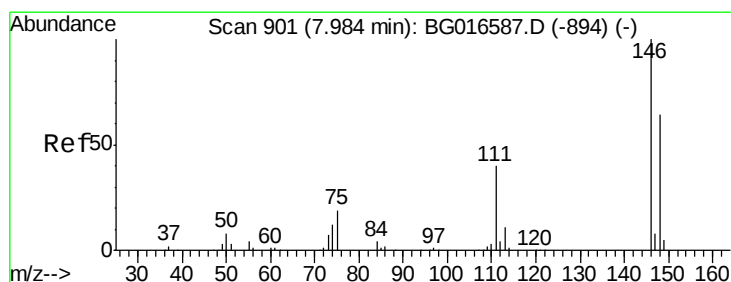
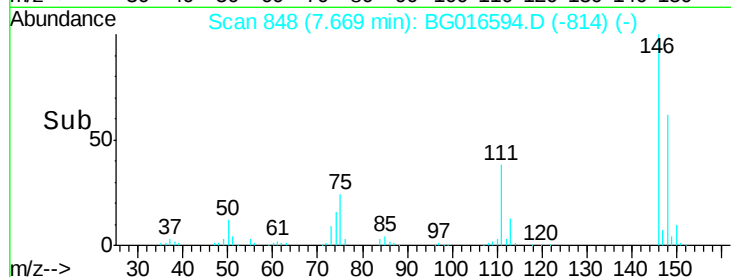
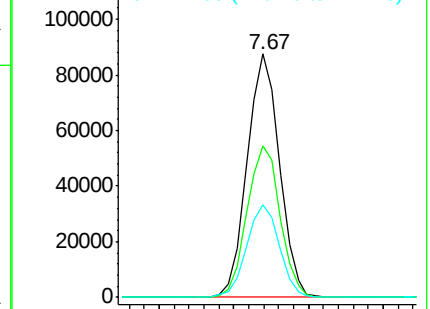
111 38.1 29.6 44.4



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: 33.14 ng

RT: 7.98 min Scan# 901

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

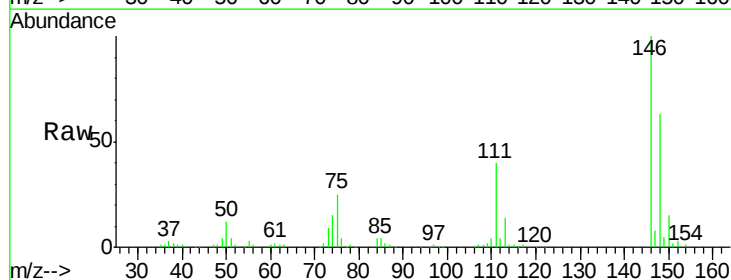
Tgt Ion:146 Resp: 125307

Ion Ratio Lower Upper

146 100

148 62.9 51.4 77.2

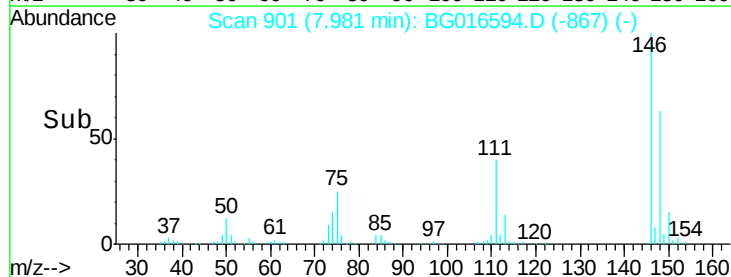
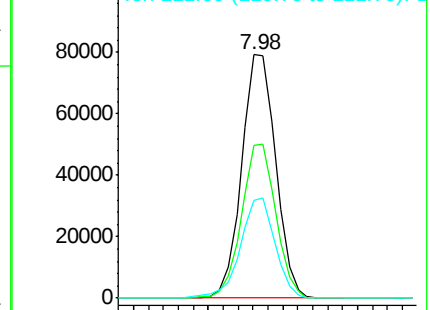
111 40.1 32.6 48.8

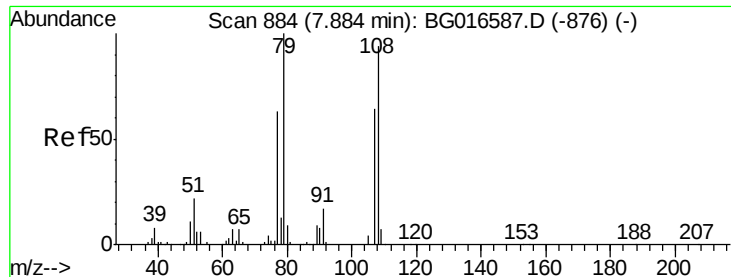


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 32.56 ng

RT: 7.88 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

Instrument :

BNA_G

ClientSampleId :

PB82905BS

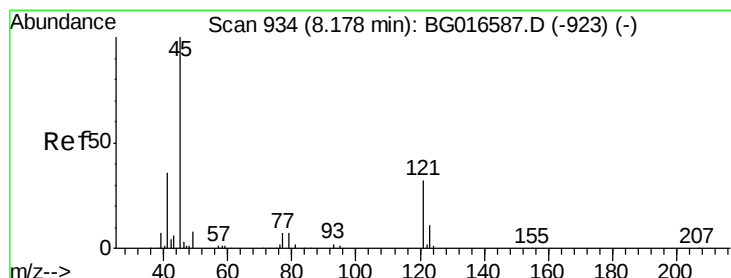
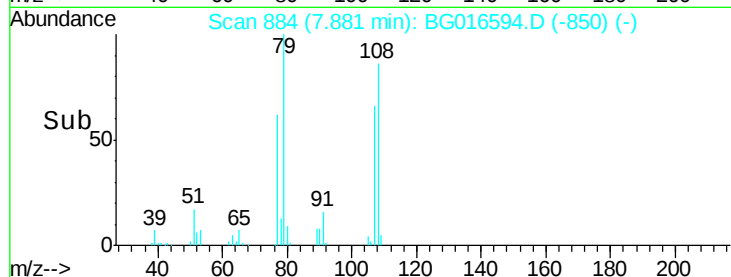
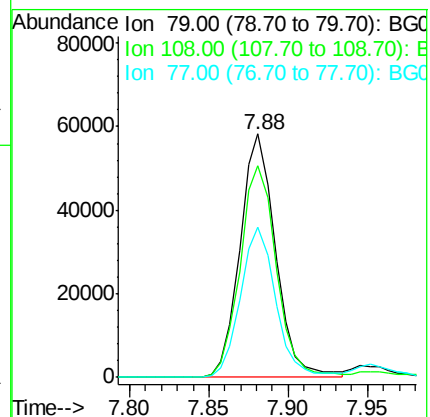
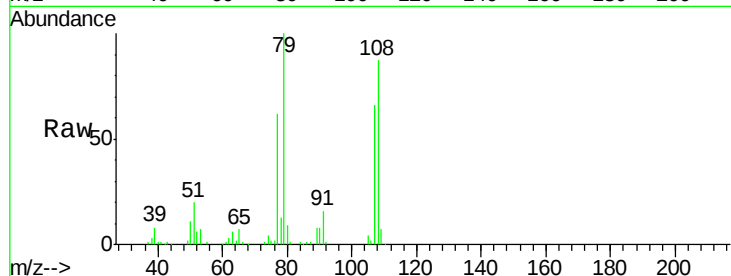
Tgt Ion: 79 Resp: 90668

Ion Ratio Lower Upper

79 100

108 86.8 74.8 112.2

77 61.6 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.94 ng

RT: 8.17 min Scan# 934

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

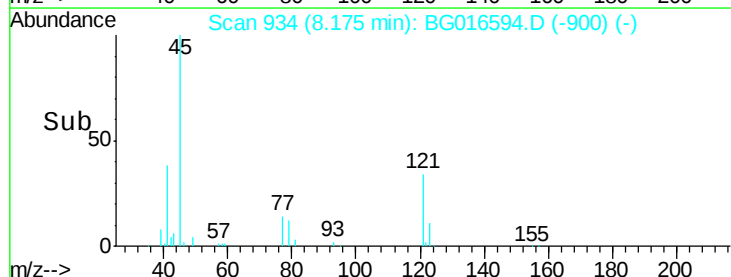
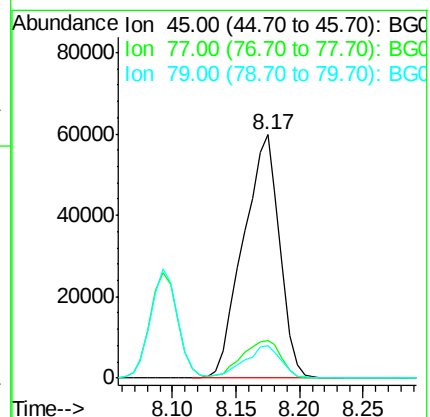
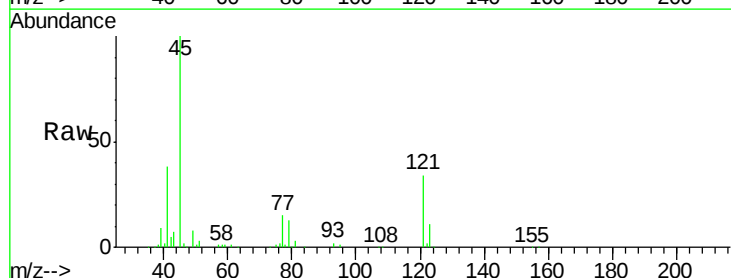
Tgt Ion: 45 Resp: 119093

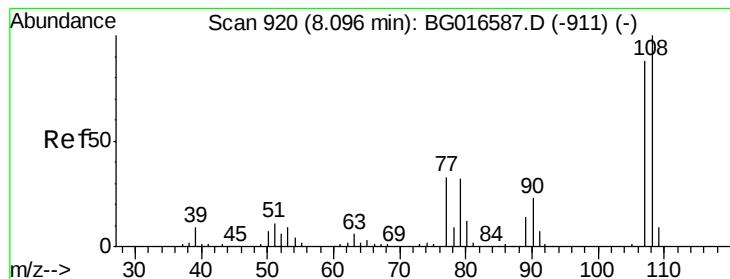
Ion Ratio Lower Upper

45 100

77 15.3 0.0 35.7

79 13.4 0.0 34.3





#17

2-Methylphenol

Concen: 34.29 ng

RT: 8.09 min Scan# 920

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

Instrument :

BNA_G

ClientSampleId :

PB82905BS

Tgt Ion:107 Resp: 106976

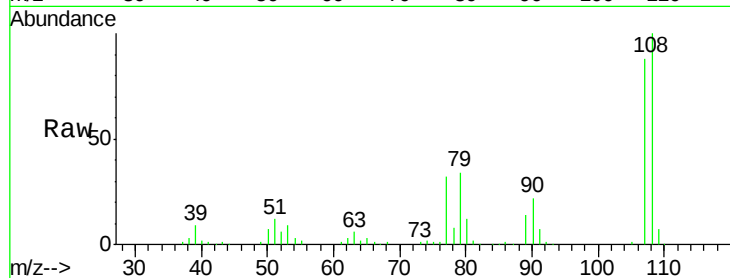
Ion Ratio Lower Upper

107 100

108 114.3 91.6 137.4

77 37.1 30.2 45.4

79 38.4 29.4 44.2

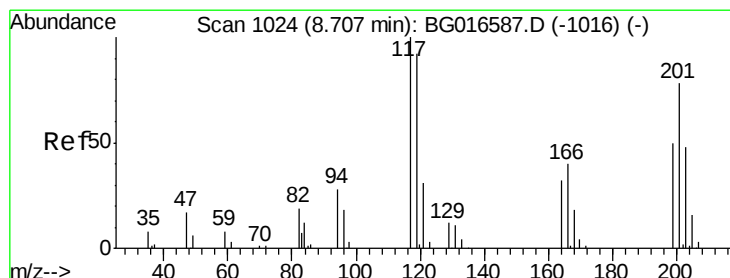
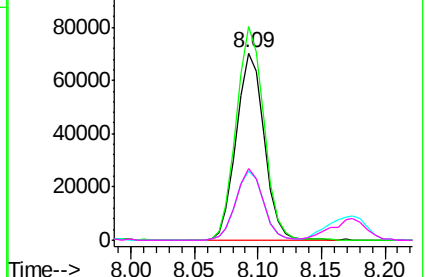
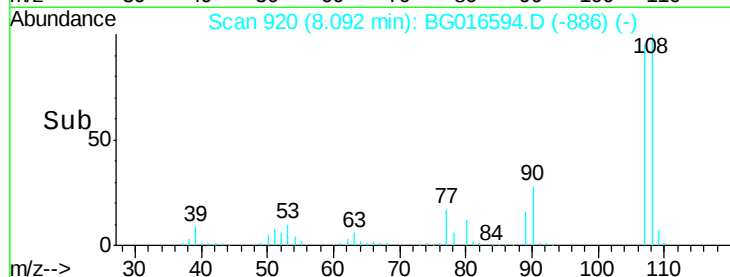


Abundance Ion 107.00 (106.70 to 107.70): E

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: 33.24 ng

RT: 8.70 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BG016594.D

Acq: 21 Apr 2015 21:33

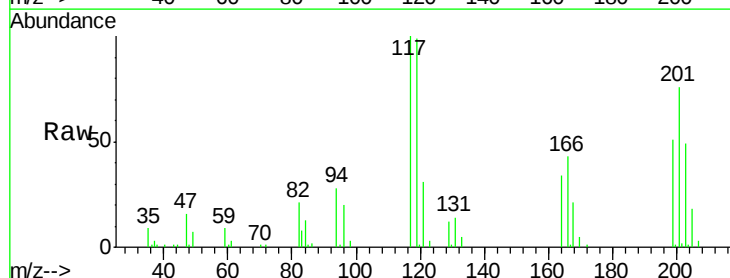
Tgt Ion:117 Resp: 47436

Ion Ratio Lower Upper

117 100

119 98.8 73.8 110.8

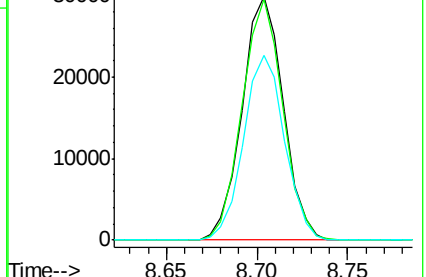
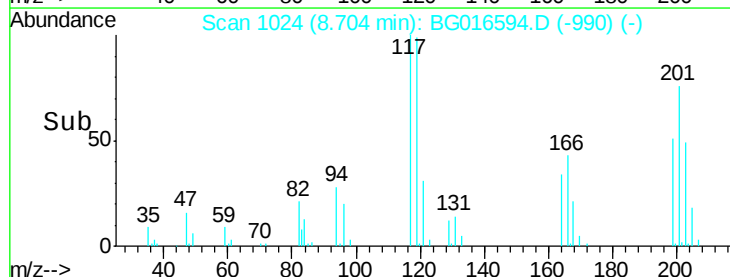
201 75.8 62.2 93.2

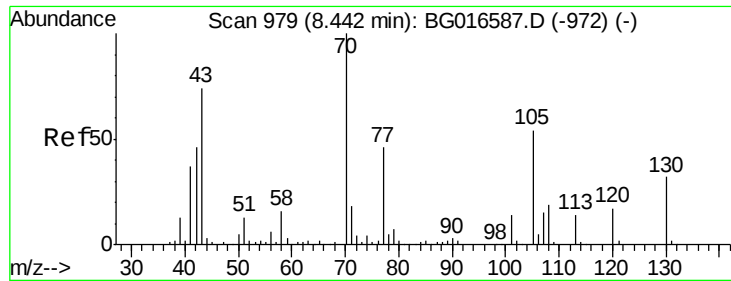


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

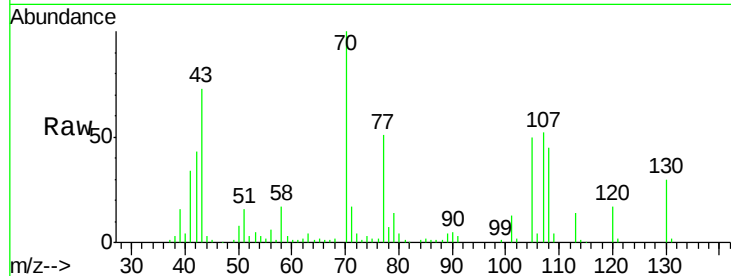




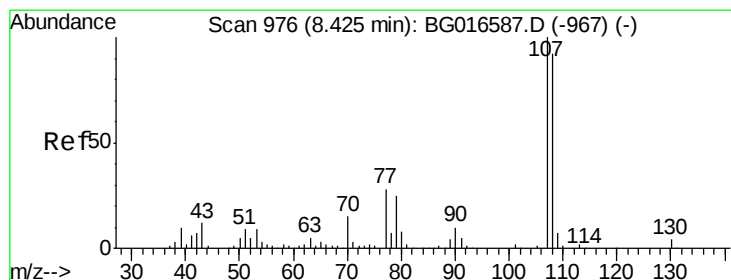
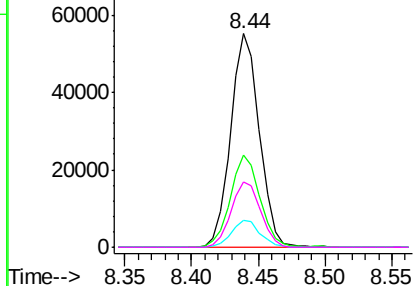
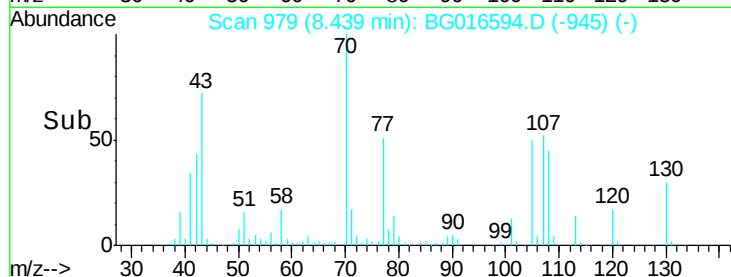
#19
n-Nitroso-di-n-propylamine
Concen: 29.14 ng
RT: 8.44 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG016594.D
Acq: 21 Apr 2015 21:33

Instrument :
BNA_G
ClientSampleId :
PB82905BS

Tgt Ion: 70 Resp: 82456
Ion Ratio Lower Upper
70 100
42 43.4 36.9 55.3
101 12.7 10.8 16.2
130 30.5 25.4 38.2

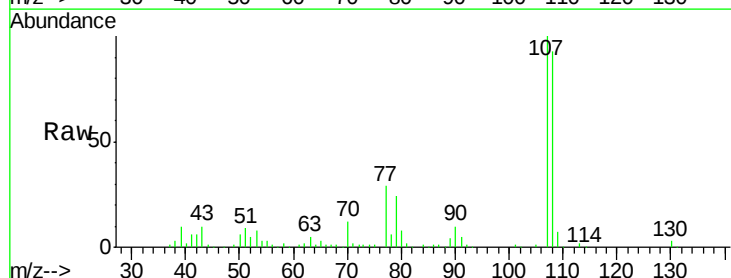


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

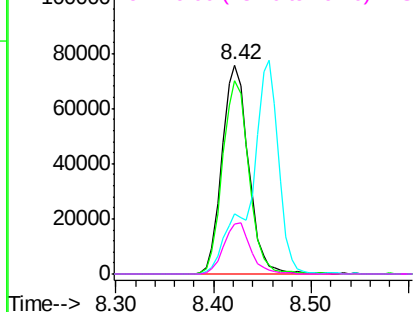
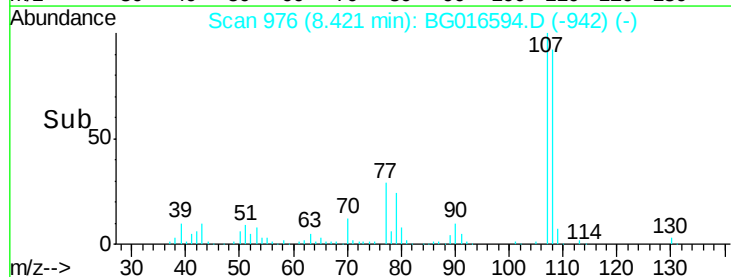


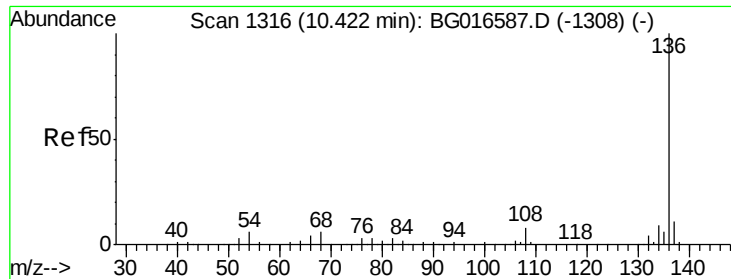
#20
3+4-Methylphenols
Concen: 33.24 ng
RT: 8.42 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG016594.D
Acq: 21 Apr 2015 21:33

Tgt Ion: 107 Resp: 142802
Ion Ratio Lower Upper
107 100
108 92.6 71.6 111.6
77 28.8 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

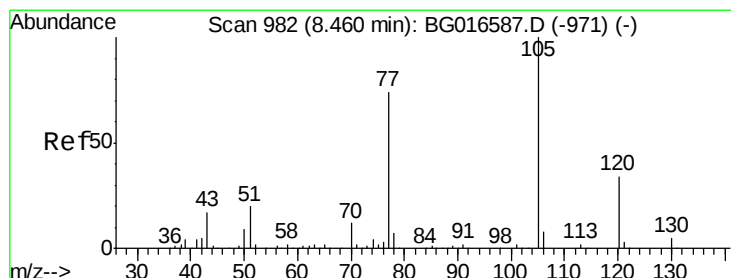
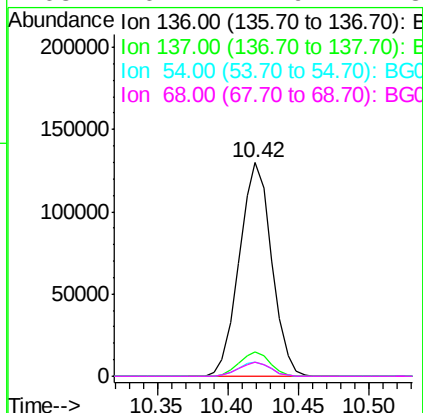
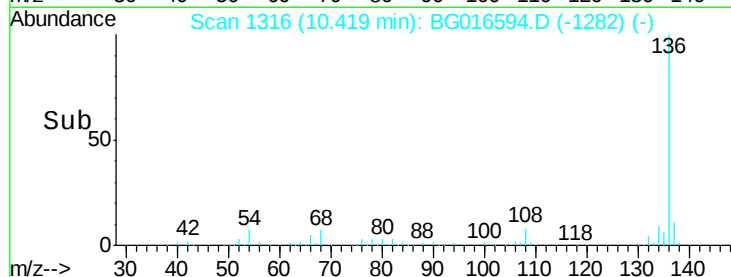
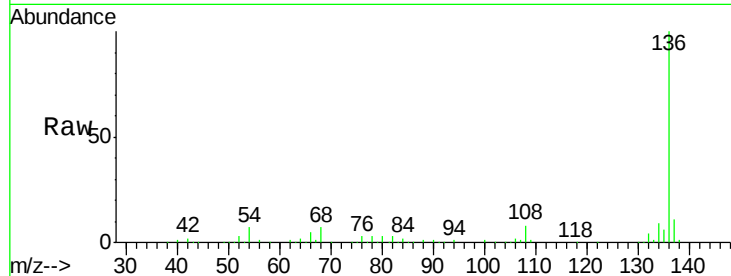




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.42 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BG016594.D
Acq: 21 Apr 2015 21:33

Instrument :
BNA_G
ClientSampleId :
PB82905BS

Tgt Ion:	136	Resp:	208408
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	6.6	4.9	7.3
68	6.7	4.9	7.3



#22
Acetophenone
Concen: 35.01 ng
RT: 8.46 min Scan# 982
Delta R.T. -0.00 min
Lab File: BG016594.D
Acq: 21 Apr 2015 21:33

Tgt Ion:	105	Resp:	162524
Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.8	2.6
51	20.2	16.5	24.7
120	34.0	26.8	40.2

