

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042015\
 Data File : BG016550.D
 Acq On : 20 Apr 2015 14:38
 Operator : TP/IZ
 Sample : PB82876BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB82876BS

Quant Time: Apr 21 01:49:52 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 01:34:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	67878	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	297003	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	182971	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	399793	20.00	ng	0.00
75) Chrysene-d12	21.21	240	356444	20.00	ng	0.00
86) Perylene-d12	23.44	264	331138	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	519635	120.82	ng	0.01
7) Phenol-d6	6.84	99	720259	111.55	ng	0.01
23) Nitrobenzene-d5	8.81	82	364011	71.00	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	163744	132.33	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	829287	77.17	ng	0.00
78) Terphenyl-d14	19.66	244	1071613	70.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	54064	27.65	ng	97
3) Pyridine	3.52	79	150361	25.73	ng	93
4) n-Nitrosodimethylamine	3.44	42	52905	30.46	ng	97
6) Aniline	6.98	93	182952	19.84	ng	97
8) 2-Chlorophenol	7.23	128	198053	38.35	ng	93
9) Benzaldehyde	6.80	77	28663	7.58	ng	88
10) Phenol	6.87	94	247474	35.82	ng	99
11) bis(2-Chloroethyl)ether	7.08	93	170291	30.92	ng	98
12) 1,3-Dichlorobenzene	7.54	146	182012	34.90	ng	97
13) 1,4-Dichlorobenzene	7.69	146	185473	34.28	ng	95
14) 1,2-Dichlorobenzene	8.00	146	178894	34.57	ng	97
15) Benzyl Alcohol	7.89	79	143521	31.89	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.19	45	176810	28.50	ng	99
17) 2-Methylphenol	8.11	107	168424	36.36	ng	98
18) Hexachloroethane	8.72	117	66508	32.13	ng	96
19) n-Nitroso-di-n-propylamine	8.46	70	127136	27.48	ng	96
20) 3+4-Methylphenols	8.44	107	227855	35.51	ng	98
22) Acetophenone	8.47	105	244613	35.52	ng	# 97
24) Nitrobenzene	8.85	77	179087	32.66	ng	91
25) Isophorone	9.37	82	360420	31.66	ng	96
26) 2-Nitrophenol	9.56	139	109220	42.72	ng	93
27) 2,4-Dimethylphenol	9.63	122	193873	40.71	ng	99
28) bis(2-Chloroethoxy)methane	9.86	93	220625	33.95	ng	98
29) 2,4-Dichlorophenol	10.10	162	172898	45.88	ng	95
30) 1,2,4-Trichlorobenzene	10.30	180	154230	39.20	ng	96
31) Naphthalene	10.49	128	557789	36.04	ng	99
32) Benzoic acid	9.78	122	88764	32.11	ng	96
33) 4-Chloroaniline	10.60	127	138844	19.12	ng	96
34) Hexachlorobutadiene	10.77	225	66913	38.72	ng	99
35) Caprolactam	11.37	113	104887	44.21	ng	94
36) 4-Chloro-3-methylphenol	11.75	107	204287	41.04	ng	92
37) 2-Methylnaphthalene	12.10	142	415307	37.31	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.48	216	146205	36.29	ng	98
40) Hexachlorocyclopentadiene	12.45	237	112243	60.87	ng	98

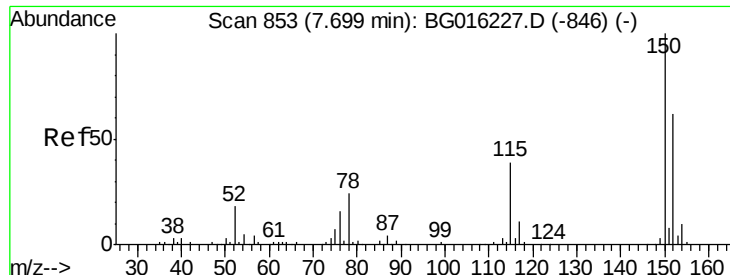
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.73	196	121967	40.74	ng	97
43) 2,4,5-Trichlorophenol	12.81	196	137514	42.99	ng	95
45) 1,1'-Biphenyl	13.12	154	511688	36.46	ng	98
46) 2-Chloronaphthalene	13.17	162	388068	36.30	ng	98
47) 2-Nitroaniline	13.38	65	122263	35.48	ng	87
48) Acenaphthylene	14.02	152	678511	35.69	ng	98
49) Dimethylphthalate	13.76	163	514404	38.36	ng	100
50) 2,6-Dinitrotoluene	13.88	165	128588	39.65	ng	91
51) Acenaphthene	14.36	154	411589	36.23	ng	99
52) 3-Nitroaniline	14.21	138	106515	25.72	ng	92
53) 2,4-Dinitrophenol	14.42	184	121371	66.25	ng	93
54) Dibenzofuran	14.69	168	603929	38.31	ng	99
55) 4-Nitrophenol	14.55	139	256103	74.82	ng	95
56) 2,4-Dinitrotoluene	14.67	165	186107	42.13	ng	90
57) Fluorene	15.35	166	530611	38.15	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.93	232	106268	43.05	ng	93
59) Diethylphthalate	15.12	149	560868	39.29	ng	99
60) 4-Chlorophenyl-phenylether	15.34	204	216610	38.07	ng	96
61) 4-Nitroaniline	15.38	138	173190	36.84	ng	96
62) Azobenzene	15.63	77	513259	33.78	ng	96
64) 4,6-Dinitro-2-methylphenol	15.43	198	96007	35.24	ng	96
65) n-Nitrosodiphenylamine	15.56	169	491357	36.36	ng	100
66) 4-Bromophenyl-phenylether	16.23	248	117367	36.77	ng	96
67) Hexachlorobenzene	16.34	284	121449	36.61	ng	99
68) Atrazine	16.51	200	162172	43.05	ng	99
69) Pentachlorophenol	16.70	266	136884	67.57	ng	99
70) Phenanthrene	17.08	178	828579	36.85	ng	98
71) Anthracene	17.17	178	845012	37.92	ng	100
72) Carbazole	17.44	167	875801	39.16	ng	99
73) Di-n-butylphthalate	18.01	149	1042751	38.10	ng	99
74) Fluoranthene	19.09	202	897683	38.73	ng	97
76) Benzidine	19.29	184	318556	21.07	ng	97
77) Pyrene	19.46	202	923403	37.20	ng	99
79) Butylbenzylphthalate	20.36	149	479615	39.33	ng	96
80) Benzo(a)anthracene	21.20	228	781184	37.08	ng	100
81) 3,3'-Dichlorobenzidine	21.14	252	181034	26.13	ng	98
82) Chrysene	21.26	228	748101	36.78	ng	99
83) Bis(2-ethylhexyl)phthalate	21.13	149	663074	40.17	ng	98
84) Di-n-octyl phthalate	22.00	149	1109280	41.24	ng	97
85) Indeno(1,2,3-cd)pyrene	25.70	276	829490	39.26	ng	97
87) Benzo(b)fluoranthene	22.77	252	747528	38.54	ng	99
88) Benzo(k)fluoranthene	22.81	252	714689	37.66	ng	99
89) Benzo(a)pyrene	23.34	252	729289	40.12	ng	99
90) Dibenzo(a,h)anthracene	25.70	278	694465	39.26	ng	97
91) Benzo(g,h,i)perylene	26.40	276	707143	40.03	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.65 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

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PB82876BS

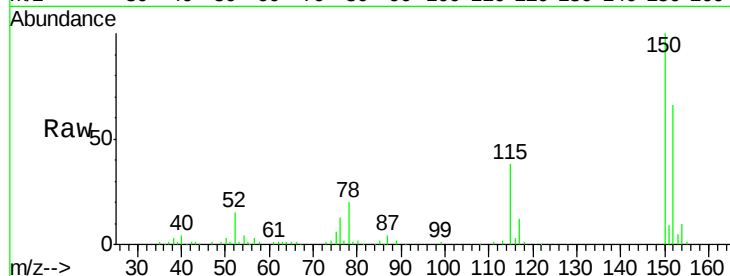
Tgt Ion:152 Resp: 67878

Ion Ratio Lower Upper

152 100

150 151.7 130.1 195.1

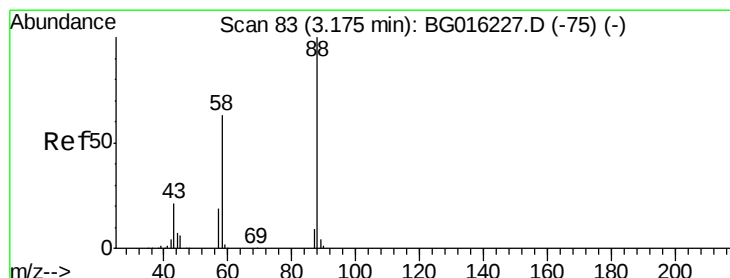
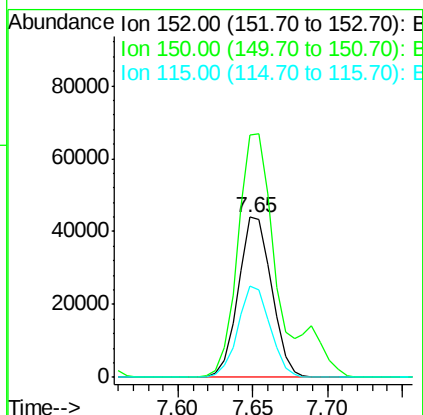
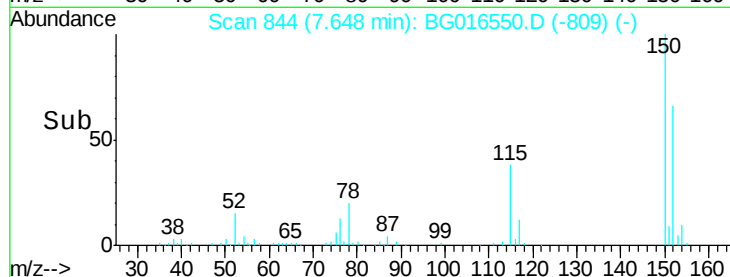
115 57.3 50.5 75.7



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: 27.65 ng

RT: 3.12 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

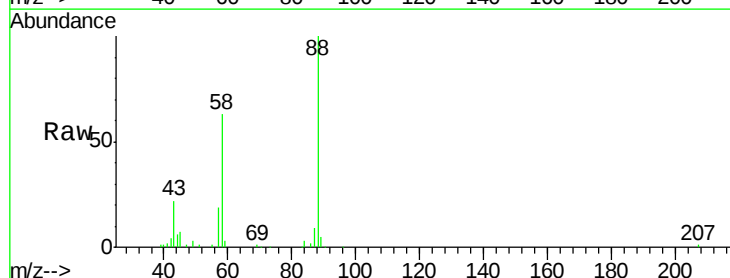
Tgt Ion: 88 Resp: 54064

Ion Ratio Lower Upper

88 100

58 61.1 50.6 76.0

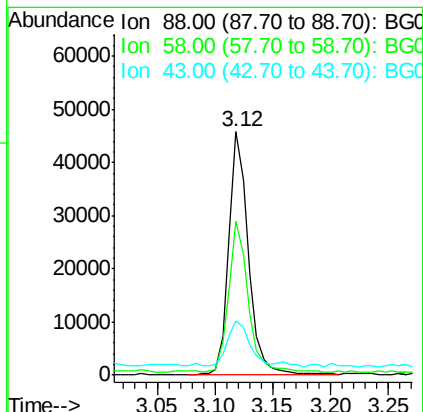
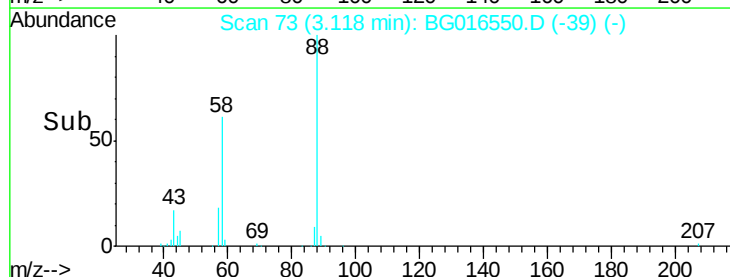
43 20.2 17.0 25.4

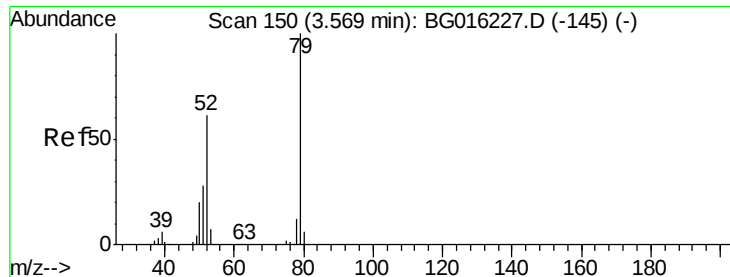


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 25.73 ng

RT: 3.52 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

Instrument :

BNA_G

ClientSampleId :

PB82876BS

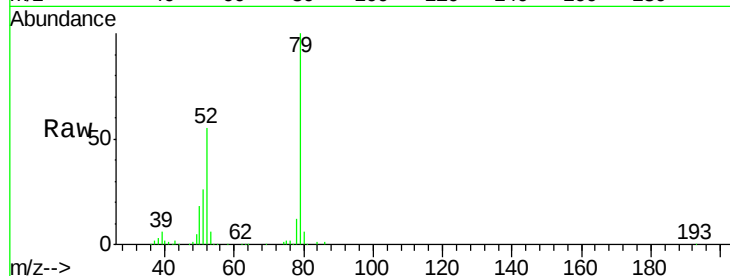
Tgt Ion: 79 Resp: 150361

Ion Ratio Lower Upper

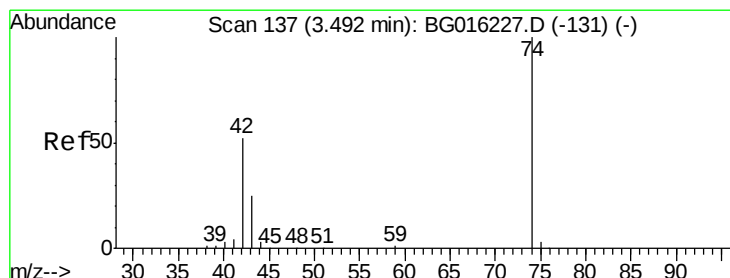
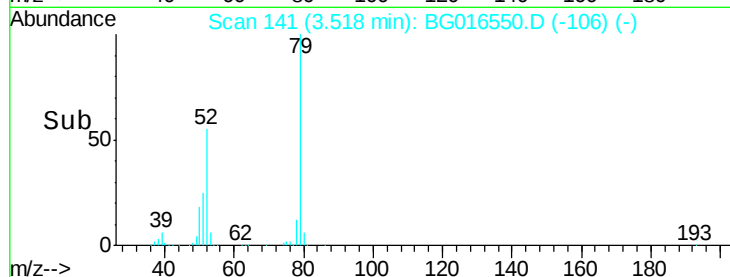
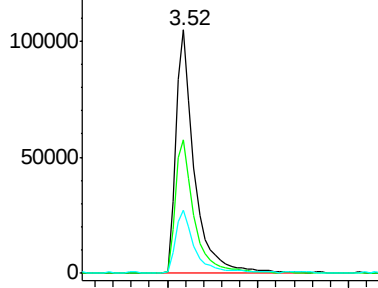
79 100

52 55.0 49.0 73.4

51 25.8 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: 30.46 ng

RT: 3.44 min Scan# 127

Delta R.T. -0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

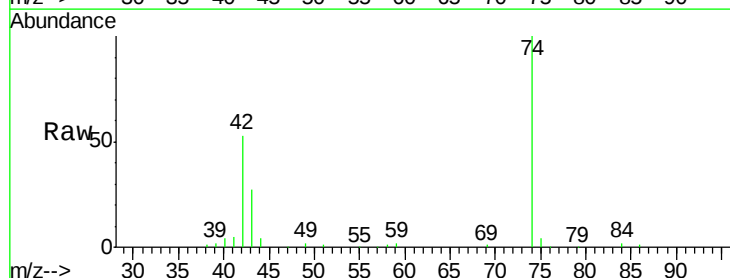
Tgt Ion: 42 Resp: 52905

Ion Ratio Lower Upper

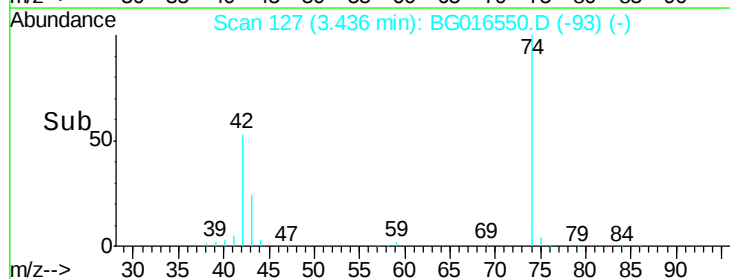
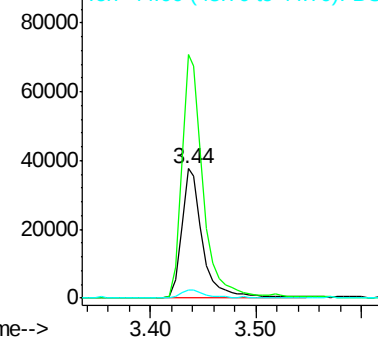
42 100

74 187.8 153.7 230.5

44 6.7 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: 120.82 ng

RT: 5.25 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

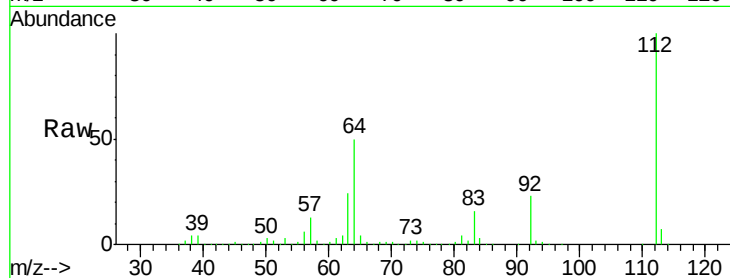
Instrument :

BNA_G

ClientSampleId :

PB82876BS

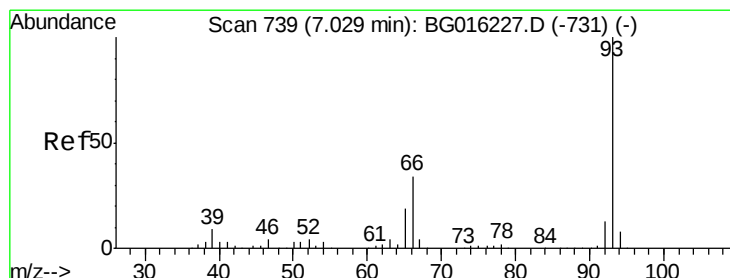
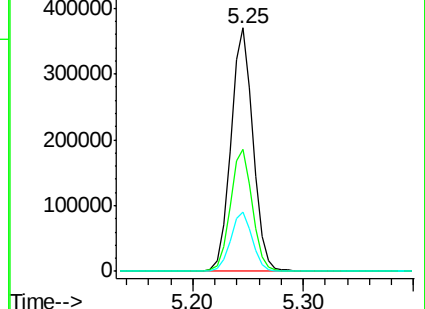
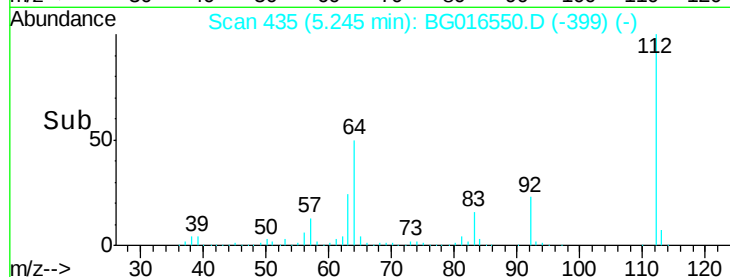
Tgt Ion:	112	Resp:	519635
Ion	Ratio	Lower	Upper
112	100		
64	50.2	44.5	66.7
63	24.3	21.4	32.0



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: 19.84 ng

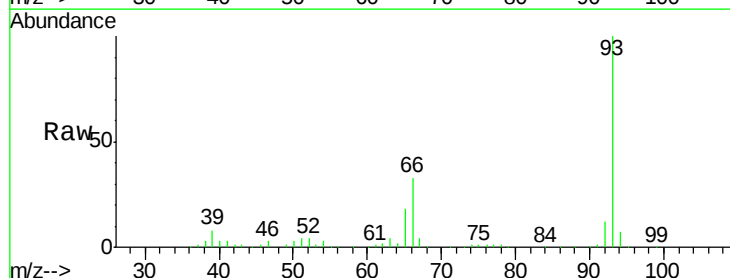
RT: 6.98 min Scan# 731

Delta R.T. 0.01 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

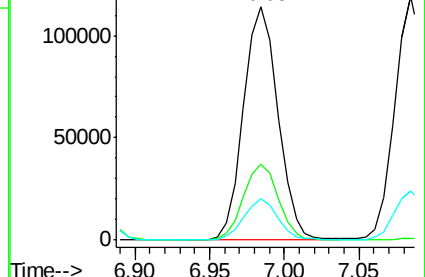
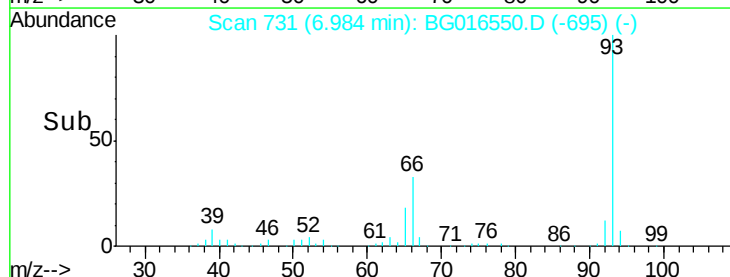
Tgt Ion:	93	Resp:	182952
Ion	Ratio	Lower	Upper
93	100		
66	32.8	27.5	41.3
65	17.9	15.1	22.7

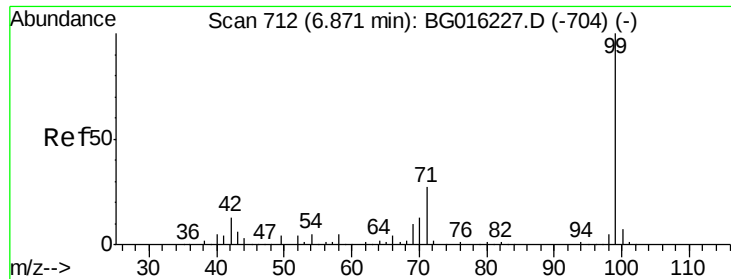


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 111.55 ng

RT: 6.84 min Scan# 707

Delta R.T. 0.01 min

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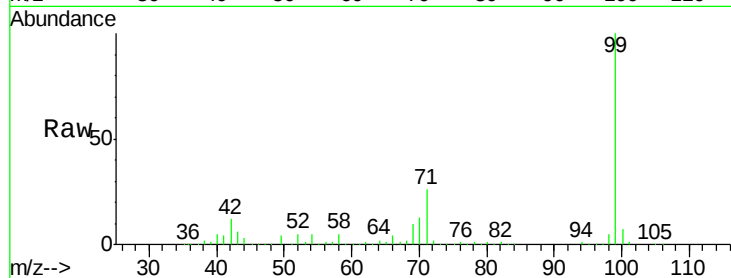
Tgt Ion: 99 Resp: 720259

Ion Ratio Lower Upper

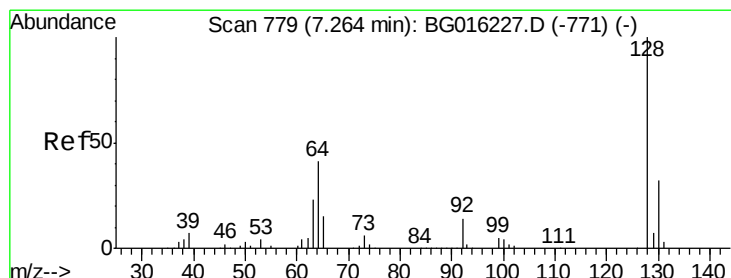
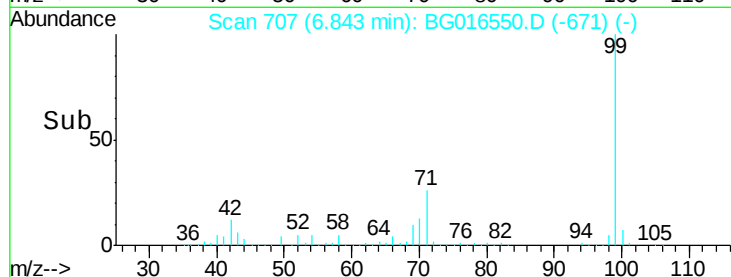
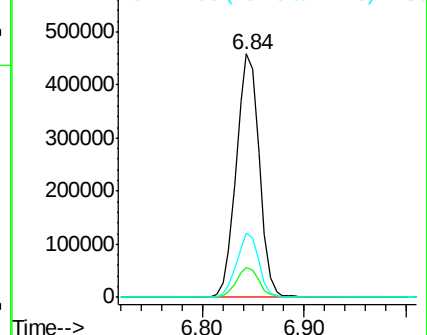
99 100

42 12.1 10.0 15.0

71 26.3 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: 38.35 ng

RT: 7.23 min Scan# 772

Delta R.T. 0.01 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

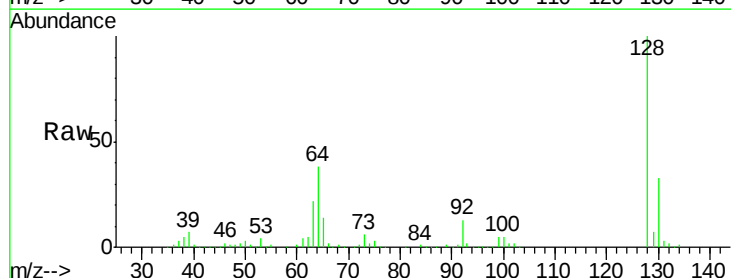
Tgt Ion: 128 Resp: 198053

Ion Ratio Lower Upper

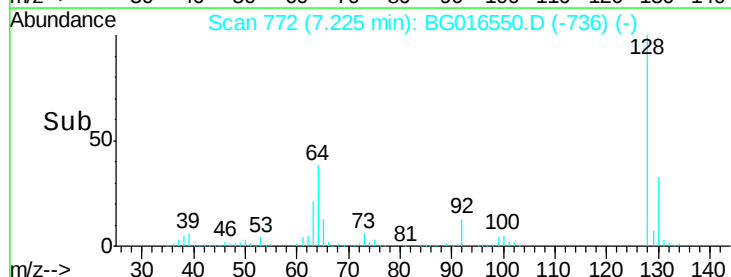
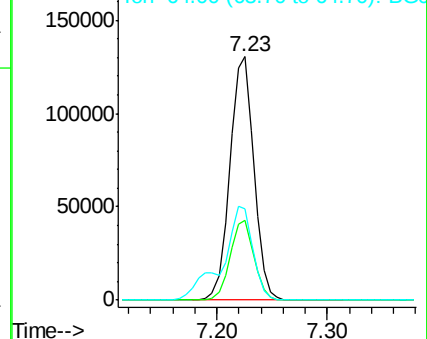
128 100

130 33.0 11.6 51.6

64 37.6 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: 7.58 ng

RT: 6.80 min Scan# 699

Delta R.T. 0.00 min

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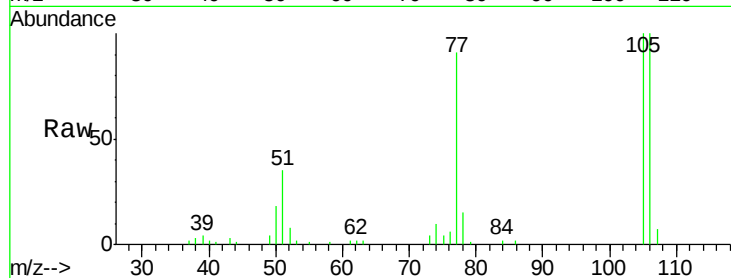
Tgt Ion: 77 Resp: 28663

Ion Ratio Lower Upper

77 100

105 109.8 76.8 116.8

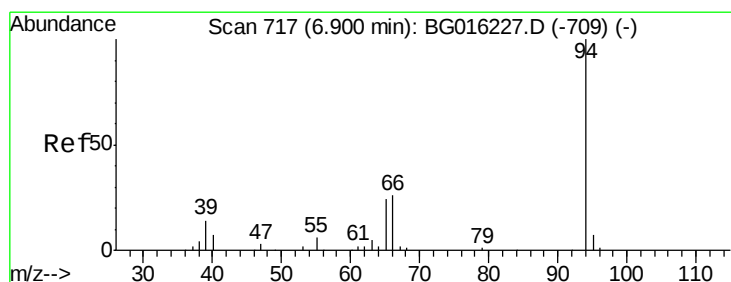
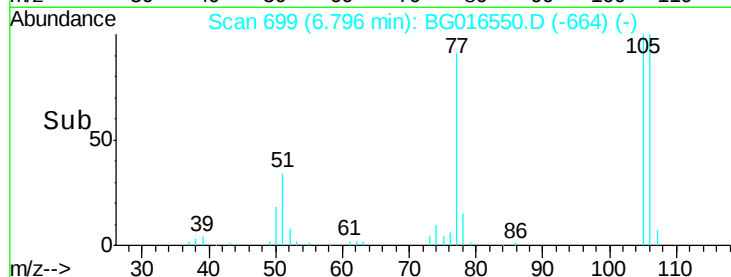
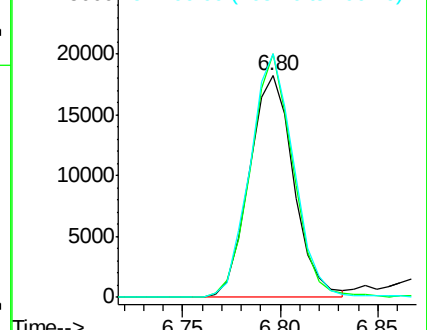
106 110.0 80.1 120.1



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: 35.82 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.01 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

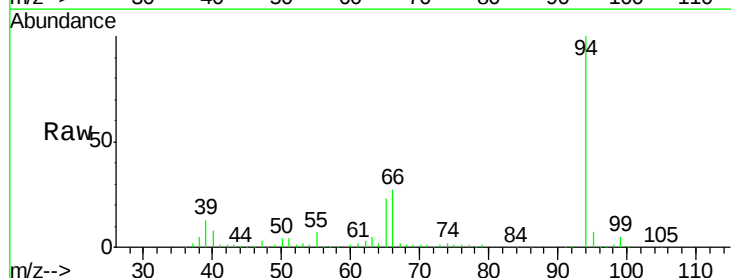
Tgt Ion: 94 Resp: 247474

Ion Ratio Lower Upper

94 100

65 22.9 3.8 43.8

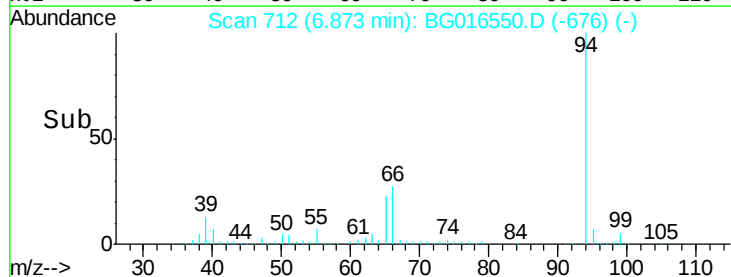
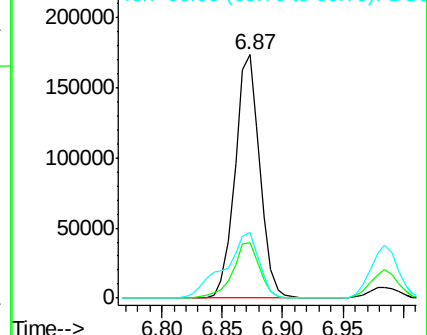
66 26.9 7.4 47.4



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

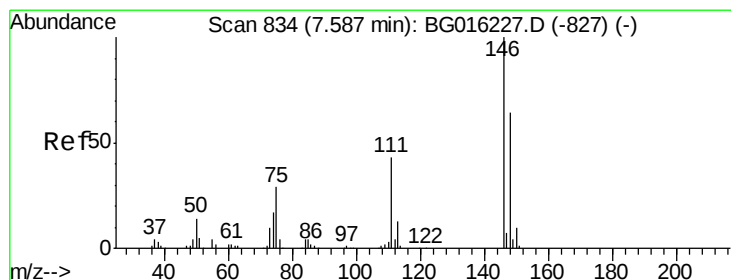
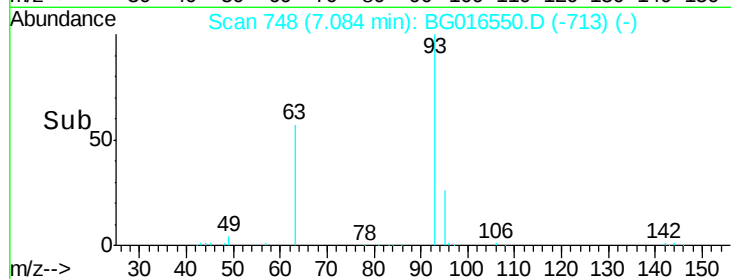
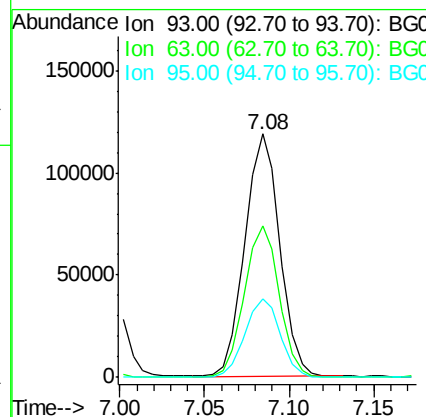
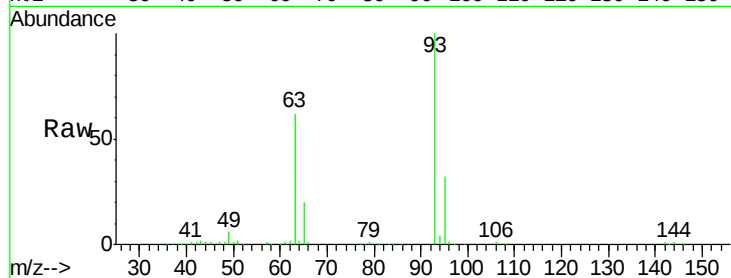




#11
 bis(2-Chloroethyl)ether
 Concen: 30.92 ng
 RT: 7.08 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: BG016550.D
 Acq: 20 Apr 2015 14:38

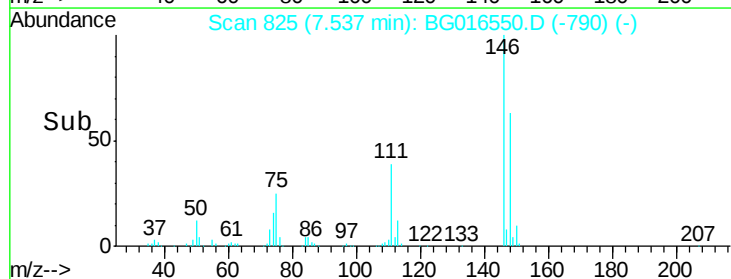
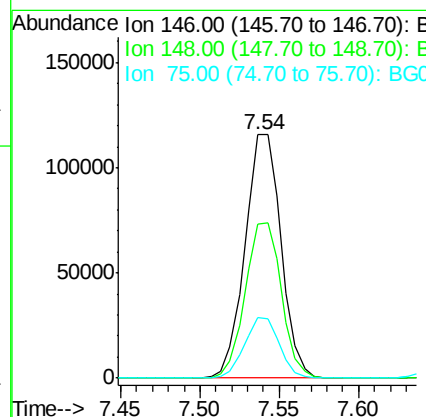
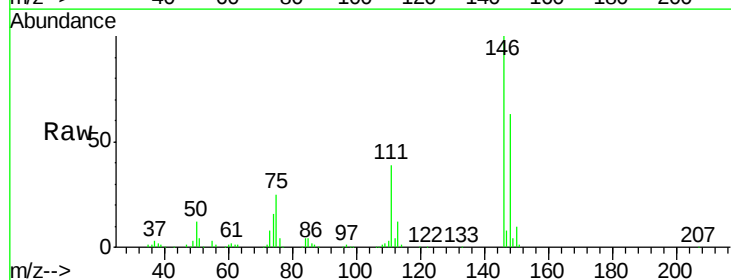
Instrument :
 BNA_G
 ClientSampleId :
 PB82876BS

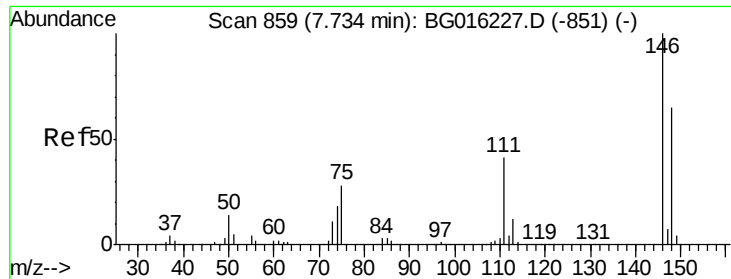
Tgt Ion: 93 Resp: 170291
 Ion Ratio Lower Upper
 93 100
 63 62.2 44.1 84.1
 95 32.2 12.5 52.5



#12
 1,3-Dichlorobenzene
 Concen: 34.90 ng
 RT: 7.54 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BG016550.D
 Acq: 20 Apr 2015 14:38

Tgt Ion: 146 Resp: 182012
 Ion Ratio Lower Upper
 146 100
 148 63.1 50.9 76.3
 75 25.0 23.3 34.9

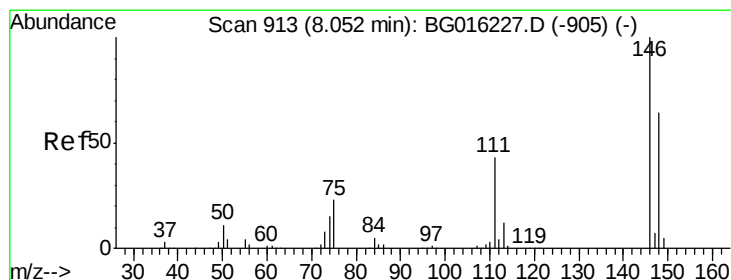
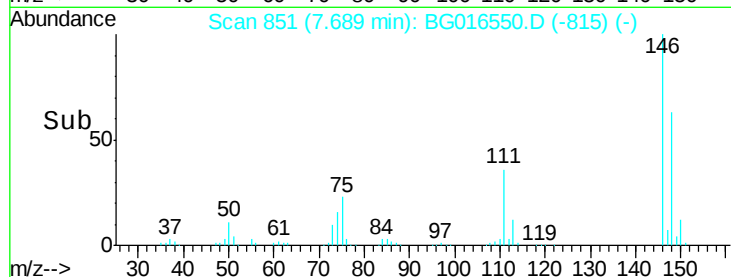
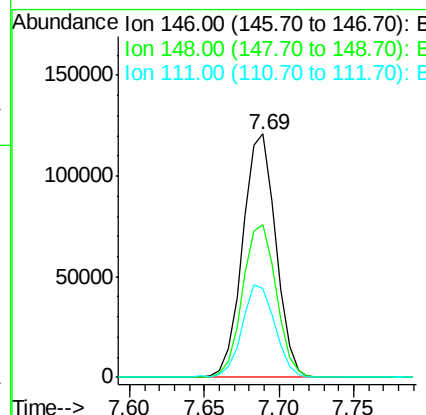
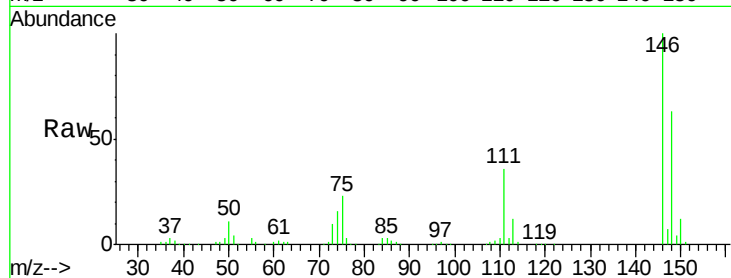




#13
 1,4-Dichlorobenzene
 Concen: 34.28 ng
 RT: 7.69 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: BG016550.D
 Acq: 20 Apr 2015 14:38

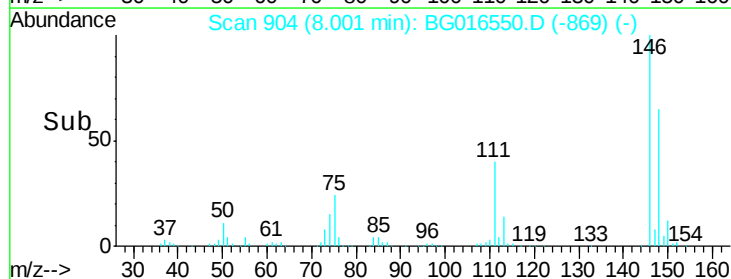
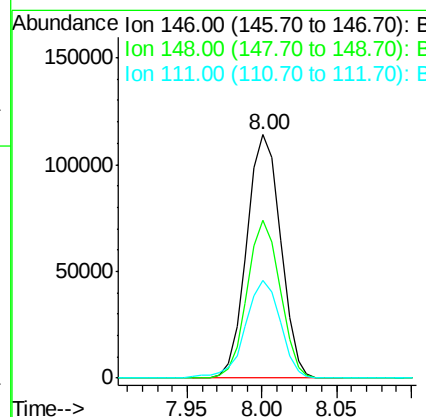
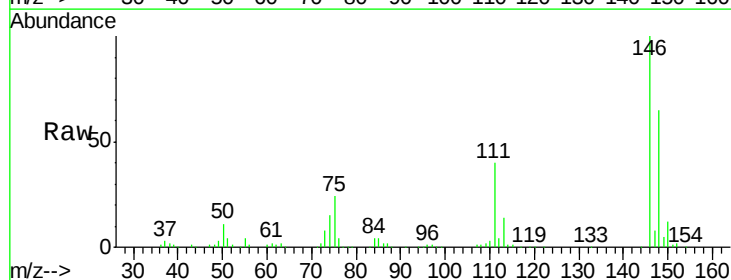
Instrument :
 BNA_G
 ClientSampleId :
 PB82876BS

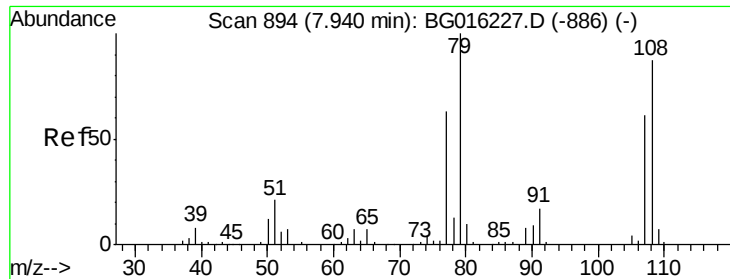
Tgt Ion:146 Resp: 185473
 Ion Ratio Lower Upper
 146 100
 148 62.6 52.0 78.0
 111 36.3 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 34.57 ng
 RT: 8.00 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BG016550.D
 Acq: 20 Apr 2015 14:38

Tgt Ion:146 Resp: 178894
 Ion Ratio Lower Upper
 146 100
 148 64.9 50.9 76.3
 111 40.3 34.7 52.1





#15

Benzyl Alcohol

Concen: 31.89 ng

RT: 7.89 min Scan# 886

Delta R.T. 0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

Instrument :

BNA_G

ClientSampleId :

PB82876BS

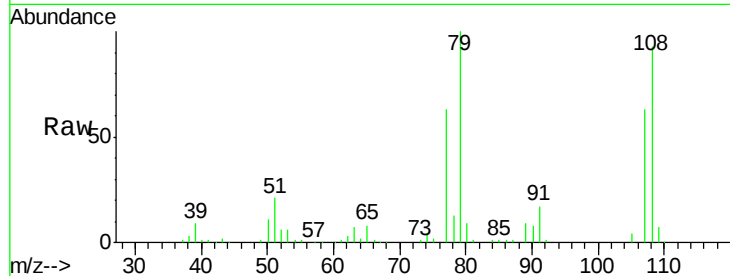
Tgt Ion: 79 Resp: 143521

Ion Ratio Lower Upper

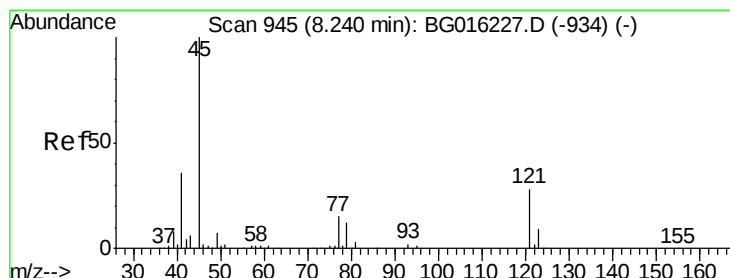
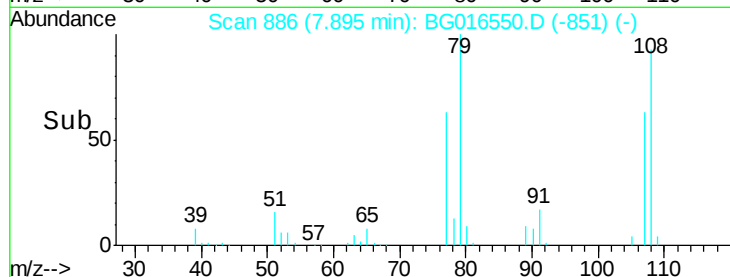
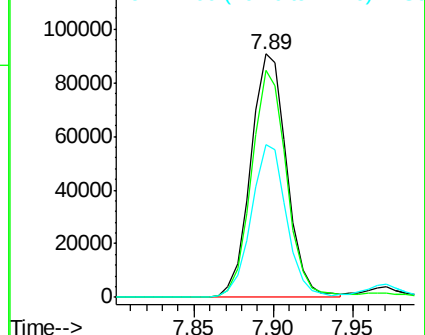
79 100

108 93.4 69.3 103.9

77 62.8 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: 28.50 ng

RT: 8.19 min Scan# 936

Delta R.T. 0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

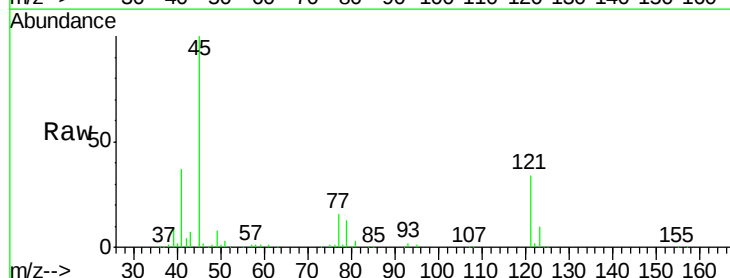
Tgt Ion: 45 Resp: 176810

Ion Ratio Lower Upper

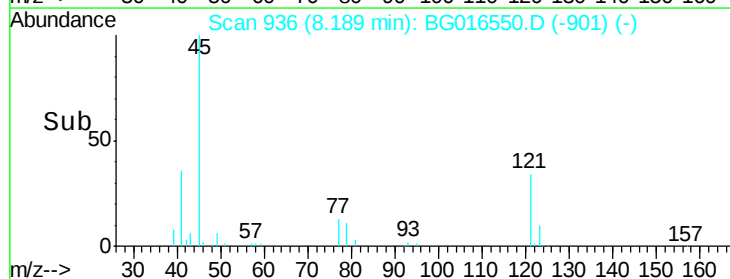
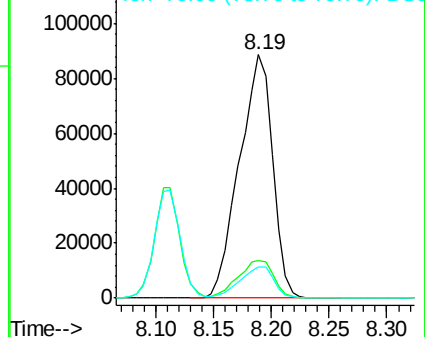
45 100

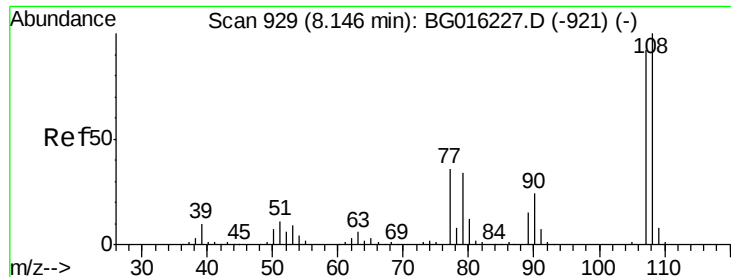
77 15.6 0.0 35.3

79 13.0 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

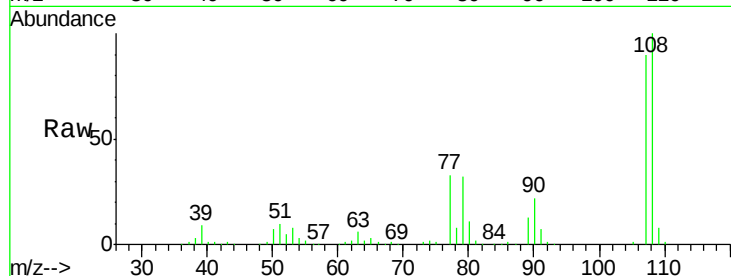




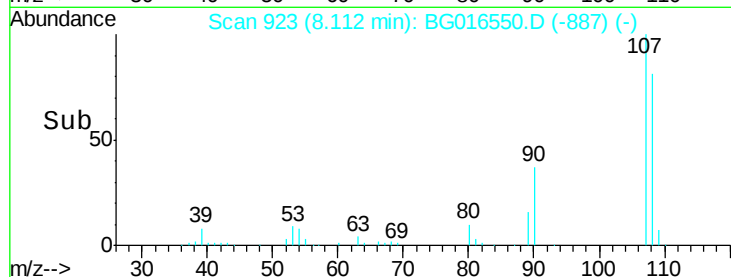
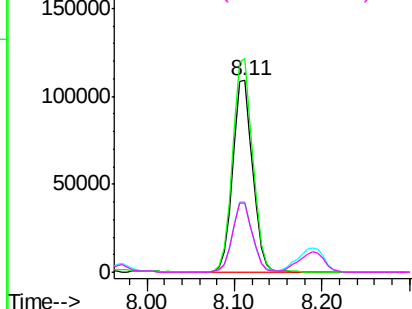
#17
2-Methylphenol
Concen: 36.36 ng
RT: 8.11 min Scan# 923
Delta R.T. 0.01 min
Lab File: BG016550.D
Acq: 20 Apr 2015 14:38

Instrument :
BNA_G
ClientSampleId :
PB82876BS

Tgt Ion:107 Resp: 168424
Ion Ratio Lower Upper
107 100
108 111.5 87.2 130.8
77 37.0 31.1 46.7
79 36.2 29.7 44.5

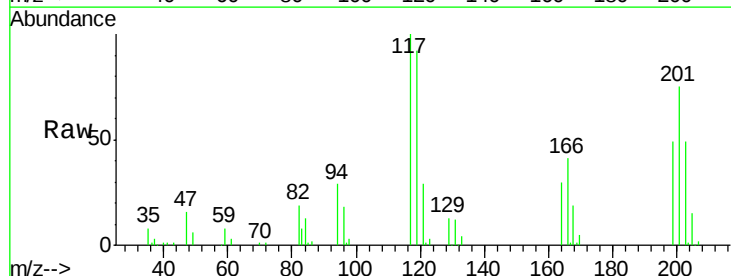


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

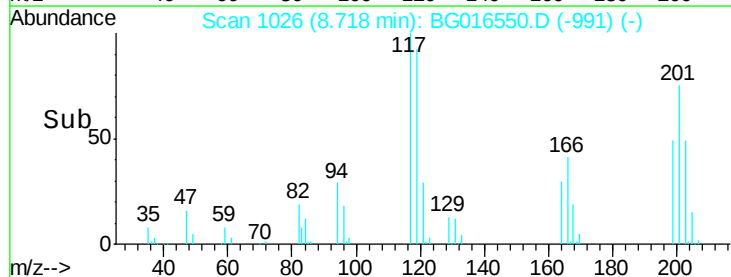
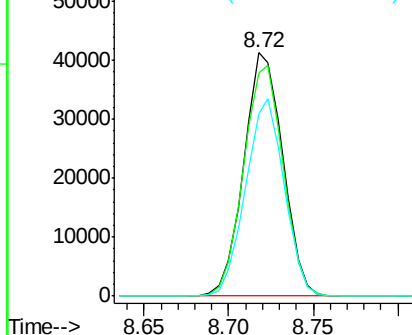


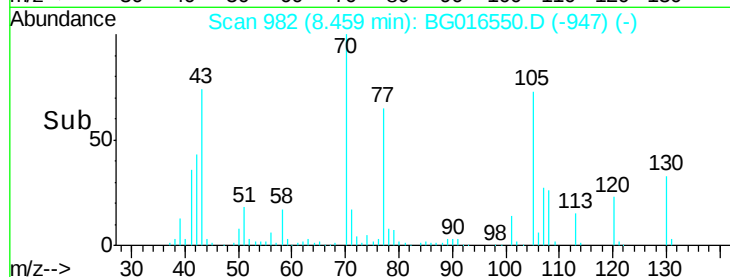
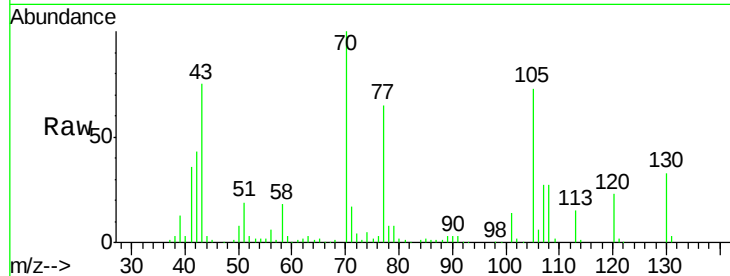
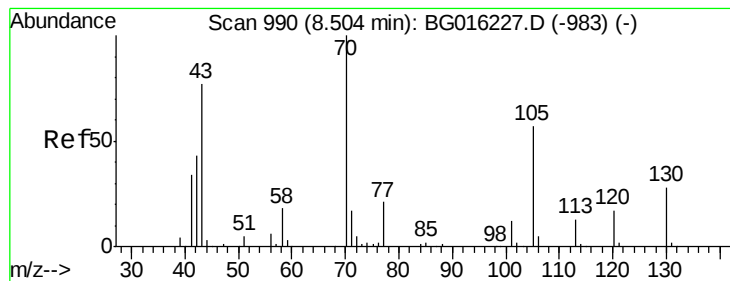
#18
Hexachloroethane
Concen: 32.13 ng
RT: 8.72 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG016550.D
Acq: 20 Apr 2015 14:38

Tgt Ion:117 Resp: 66508
Ion Ratio Lower Upper
117 100
119 91.8 78.8 118.2
201 74.8 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: 27.48 ng

RT: 8.46 min Scan# 982

Delta R.T. 0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

Instrument :

BNA_G

ClientSampleId :

PB82876BS

Tgt Ion: 70 Resp: 127136

Ion Ratio Lower Upper

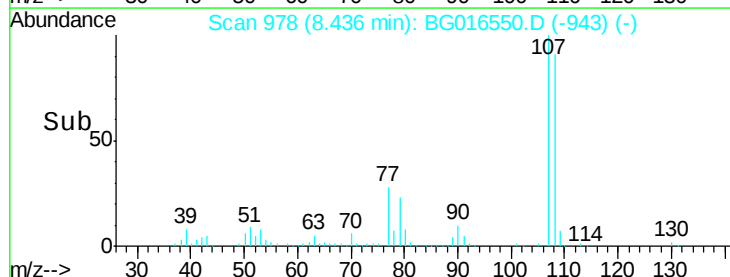
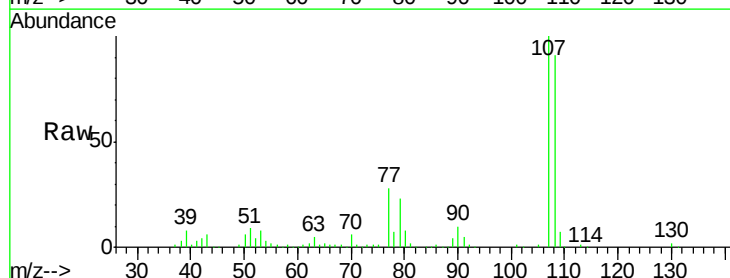
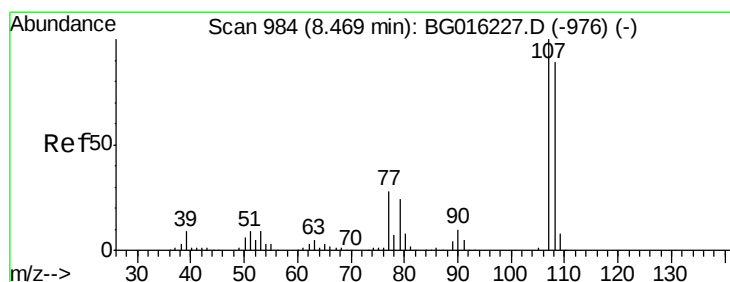
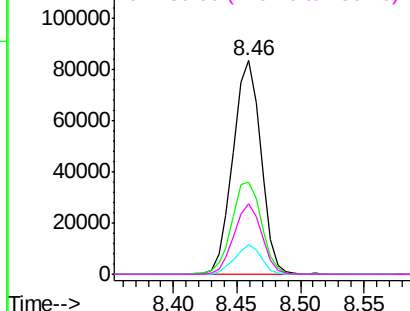
70 100

42 43.1 34.7 52.1

101 13.5 9.2 13.8

130 32.7 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: 35.51 ng

RT: 8.44 min Scan# 978

Delta R.T. 0.00 min

Lab File: BG016550.D

Acq: 20 Apr 2015 14:38

Tgt Ion: 107 Resp: 227855

Ion Ratio Lower Upper

107 100

108 91.2 69.5 109.5

77 27.6 8.2 48.2

79 23.3 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

