

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110116\
 Data File : BG024596.D
 Acq On : 1 Nov 2016 17:14
 Operator : UM/SJ
 Sample : PB94460BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB94460BS

Quant Time: Nov 02 02:16:37 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	125736	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	499335	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	373923	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	813783	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1050633	20.00	ng	0.00
86) Perylene-d12	25.35	264	1135145	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	1002272	130.65	ng	0.00
7) Phenol-d6	7.41	99	1389639	132.05	ng	0.00
23) Nitrobenzene-d5	9.44	82	953101	86.90	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	738713	132.24	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1931516	85.86	ng	0.00
78) Terphenyl-d14	20.21	244	3060416	87.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	113611	36.25	ng	93
3) Pyridine	4.07	79	364091	38.80	ng	# 84
4) n-Nitrosodimethylamine	3.99	42	194064	39.95	ng	# 76
6) Aniline	7.59	93	371778	27.89	ng	98
8) 2-Chlorophenol	7.83	128	364376	46.72	ng	96
9) Benzaldehyde	7.40	77	67005	10.30	ng	95
10) Phenol	7.44	94	535592	49.37	ng	92
11) bis(2-Chloroethyl)ether	7.68	93	372742	45.74	ng	92
12) 1,3-Dichlorobenzene	8.16	146	416234	43.11	ng	95
13) 1,4-Dichlorobenzene	8.31	146	429236	45.01	ng	99
14) 1,2-Dichlorobenzene	8.63	146	398797	43.49	ng	95
15) Benzyl Alcohol	8.50	79	441354	45.09	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.80	45	614165	40.62	ng	92
17) 2-Methylphenol	8.70	107	344110	47.87	ng	96
18) Hexachloroethane	9.36	117	164961	44.99	ng	97
19) n-Nitroso-di-n-propylamine	9.07	70	346648	44.70	ng	88
20) 3+4-Methylphenols	9.02	107	466020	48.29	ng	96
22) Acetophenone	9.10	105	579642	45.19	ng	# 90
24) Nitrobenzene	9.49	77	534546	43.81	ng	98
25) Isophorone	10.00	82	927582	45.47	ng	99
26) 2-Nitrophenol	10.20	139	208504	46.04	ng	95
27) 2,4-Dimethylphenol	10.24	122	392326	49.49	ng	95
28) bis(2-Chloroethoxy)methane	10.48	93	500861	47.45	ng	97
29) 2,4-Dichlorophenol	10.73	162	410922	49.38	ng	98
30) 1,2,4-Trichlorobenzene	10.95	180	443315	44.91	ng	98
31) Naphthalene	11.15	128	1094350	43.94	ng	99
32) Benzoic acid	10.36	122	192189	29.11	ng	89
33) 4-Chloroaniline	11.25	127	193152	17.86	ng	# 88
34) Hexachlorobutadiene	11.42	225	344875	44.64	ng	97
35) Caprolactam	12.02	113	98382	32.30	ng	95
36) 4-Chloro-3-methylphenol	12.34	107	456955	45.49	ng	97
37) 2-Methylnaphthalene	12.73	142	804517	44.27	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	564015	44.72	ng	98
40) Hexachlorocyclopentadiene	13.06	237	773827	108.96	ng	93

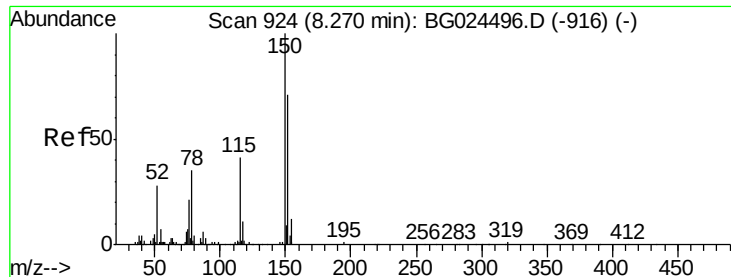
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110116\
 Data File : BG024596.D
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 Operator : UM/SJ
 Sample : PB94460BS
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	358419	47.28	ng	100
43) 2,4,5-Trichlorophenol	13.40	196	382452	46.66	ng	96
45) 1,1'-Biphenyl	13.72	154	1105786	42.62	ng	97
46) 2-Chloronaphthalene	13.77	162	900975	45.60	ng	98
47) 2-Nitroaniline	13.97	65	357979	44.25	ng	95
48) Acenaphthylene	14.61	152	1330722	43.92	ng	98
49) Dimethylphthalate	14.32	163	1176539	44.32	ng	98
50) 2,6-Dinitrotoluene	14.45	165	271865	47.97	ng	87
51) Acenaphthene	14.95	154	891400	39.46	ng	99
52) 3-Nitroaniline	14.79	138	147701	25.19	ng	86
53) 2,4-Dinitrophenol	14.99	184	289371	70.46	ng	94
54) Dibenzofuran	15.28	168	1415007	45.31	ng	99
55) 4-Nitrophenol	15.08	139	446862	87.46	ng	# 80
56) 2,4-Dinitrotoluene	15.24	165	398405	48.38	ng	# 87
57) Fluorene	15.93	166	1142703	44.13	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.50	232	401824	47.29	ng	# 92
59) Diethylphthalate	15.68	149	1193818	42.90	ng	97
60) 4-Chlorophenyl-phenylether	15.91	204	654352	45.03	ng	99
61) 4-Nitroaniline	15.95	138	257356	40.17	ng	96
62) Azobenzene	16.20	77	1252892	45.14	ng	95
64) 4,6-Dinitro-2-methylphenol	15.99	198	238933	42.62	ng	91
65) n-Nitrosodiphenylamine	16.13	169	1059440	47.62	ng	99
66) 4-Bromophenyl-phenylether	16.80	248	461203	46.69	ng	91
67) Hexachlorobenzene	16.92	284	520856	47.72	ng	# 89
68) Atrazine	17.06	200	466519	48.89	ng	97
69) Pentachlorophenol	17.27	266	621036	86.22	ng	98
70) Phenanthrene	17.67	178	1873849	45.18	ng	99
71) Anthracene	17.76	178	1940492	46.37	ng	99
72) Carbazole	18.03	167	1718672	45.03	ng	98
73) Di-n-butylphthalate	18.55	149	1948917	44.29	ng	98
74) Fluoranthene	19.66	202	2354071	44.89	ng	99
76) Benzidine	19.84	184	1039344	41.99	ng	97
77) Pyrene	20.02	202	2355803	45.87	ng	98
79) Butylbenzylphthalate	20.88	149	1014376	47.37	ng	98
80) Benzo(a)anthracene	21.90	228	2640406	45.75	ng	100
81) 3,3'-Dichlorobenzidine	21.81	252	660503	28.37	ng	97
82) Chrysene	21.97	228	2475103	45.03	ng	98
83) Bis(2-ethylhexyl)phthalate	21.76	149	1396528	45.59	ng	# 99
84) Di-n-octyl phthalate	23.04	149	2422153	47.65	ng	# 93
85) Indeno(1,2,3-cd)pyrene	29.30	276	3505692	46.20	ng	99
87) Benzo(b)fluoranthene	24.25	252	2805202	45.72	ng	98
88) Benzo(k)fluoranthene	24.32	252	2699153	45.55	ng	98
89) Benzo(a)pyrene	25.19	252	2756836	45.98	ng	98
90) Dibenzo(a,h)anthracene	29.36	278	2923281	44.42	ng	98
91) Benzo(g,h,i)perylene	30.54	276	2918090	44.39	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

Instrument :

BNA_G

ClientSampleId :

PB94460BS

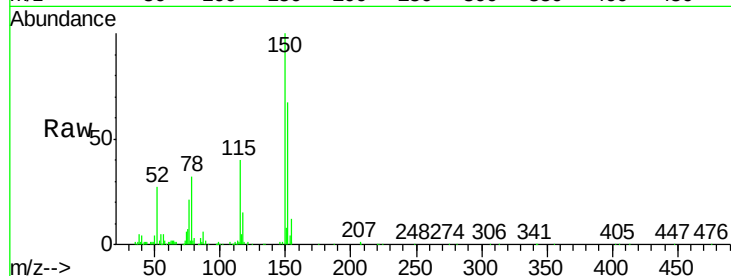
Tgt Ion:152 Resp: 125736

Ion Ratio Lower Upper

152 100

150 148.7 114.0 171.0

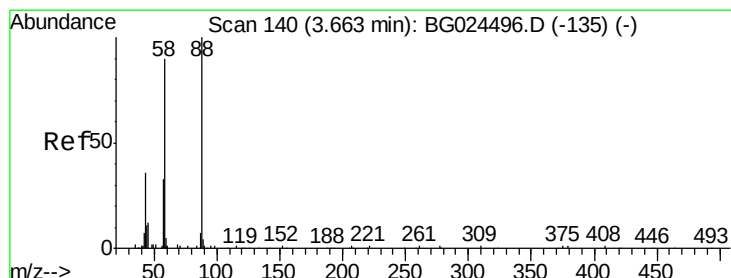
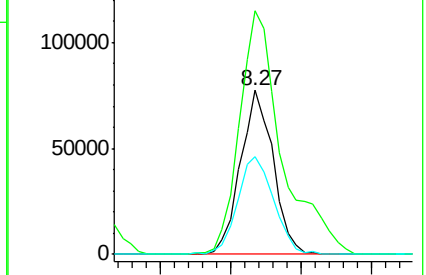
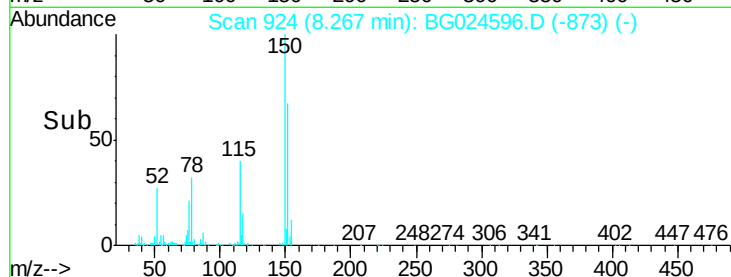
115 59.3 48.1 72.1



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: 36.25 ng

RT: 3.66 min Scan# 140

Delta R.T. -0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

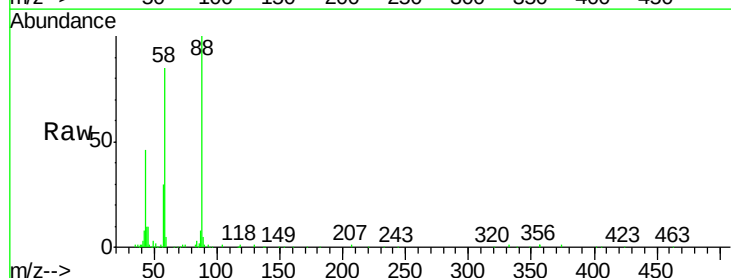
Tgt Ion: 88 Resp: 113611

Ion Ratio Lower Upper

88 100

58 89.7 79.4 119.2

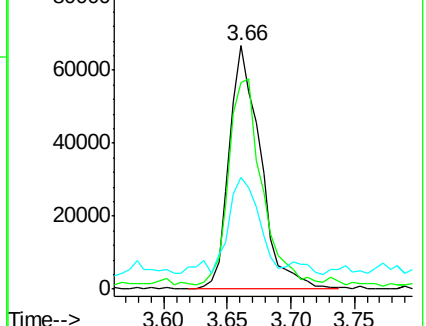
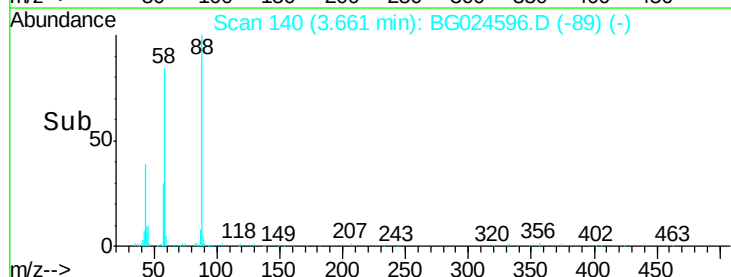
43 43.6 33.8 50.6

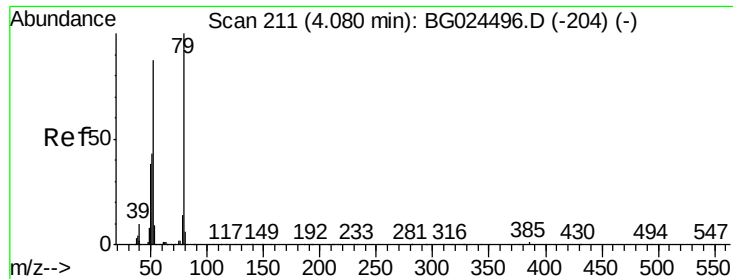


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 38.80 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

Instrument :

BNA_G

ClientSampleId :

PB94460BS

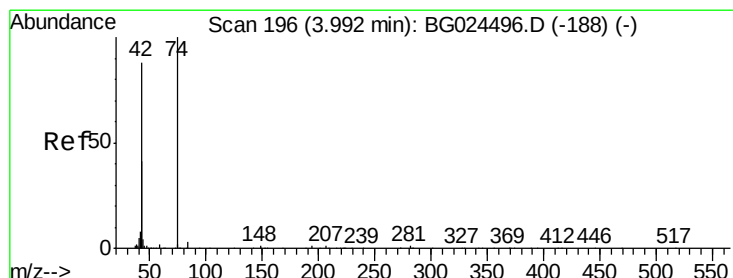
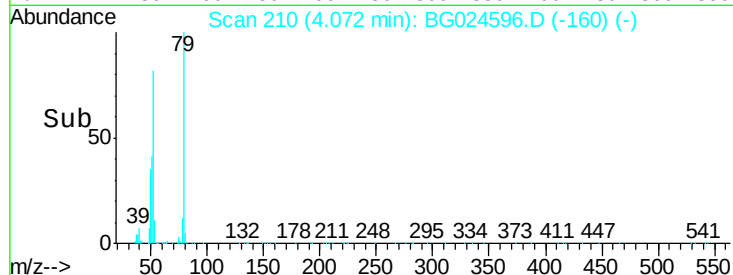
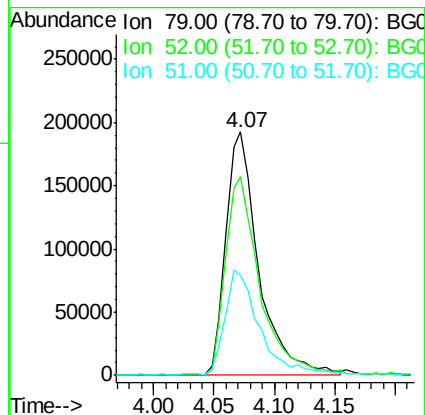
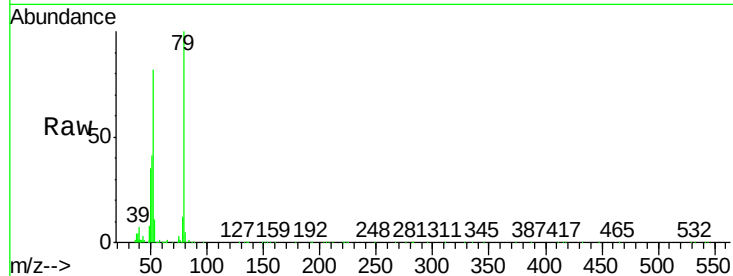
Tgt Ion: 79 Resp: 364091

Ion Ratio Lower Upper

79 100

52 81.7 77.8 116.6

51 41.3 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 39.95 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

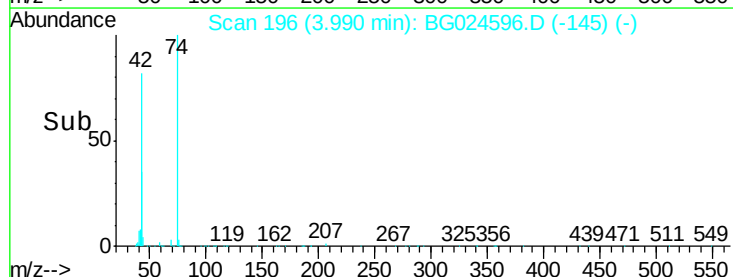
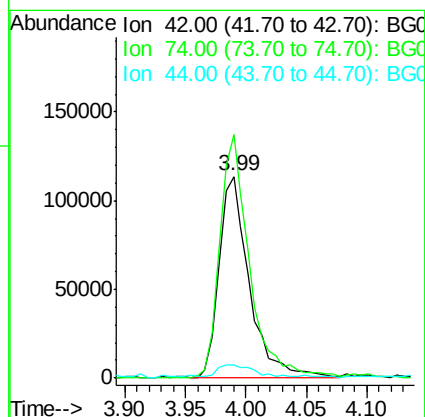
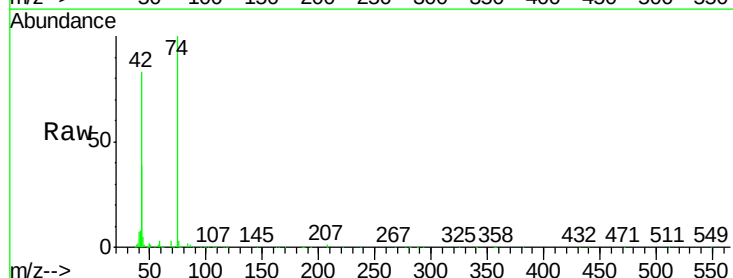
Tgt Ion: 42 Resp: 194064

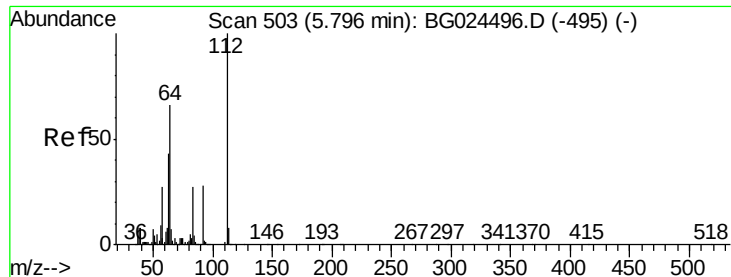
Ion Ratio Lower Upper

42 100

74 120.6 76.7 115.1#

44 6.6 6.1 9.1





#5

2-Fluorophenol

Concen: 130.65 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

Instrument :

BNA_G

ClientSampleId :

PB94460BS

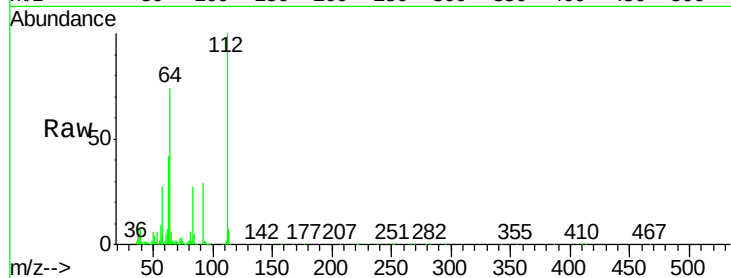
Tgt Ion:112 Resp: 1002272

Ion Ratio Lower Upper

112 100

64 74.1 61.8 92.6

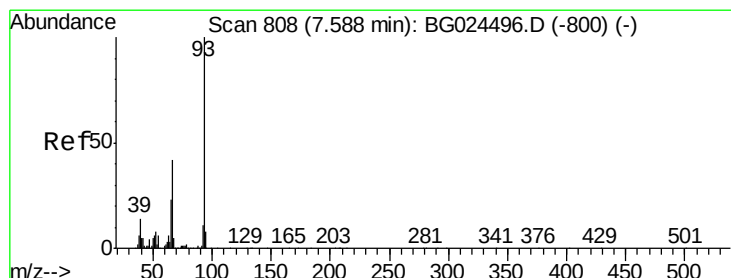
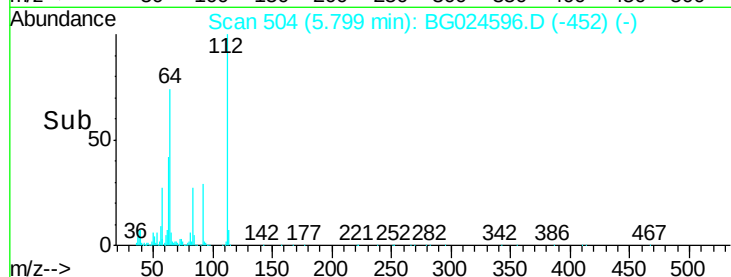
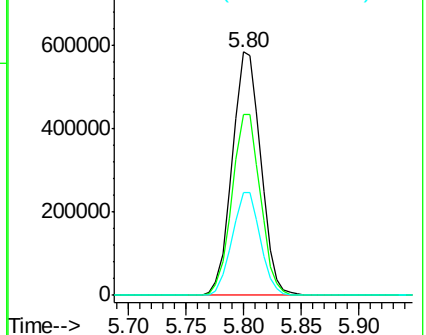
63 42.1 37.2 55.8



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: 27.89 ng

RT: 7.59 min Scan# 808

Delta R.T. -0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

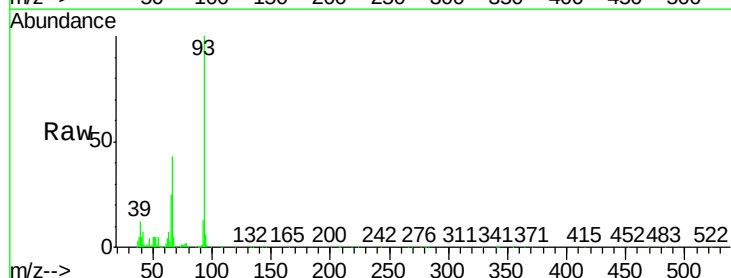
Tgt Ion: 93 Resp: 371778

Ion Ratio Lower Upper

93 100

66 42.8 35.4 53.2

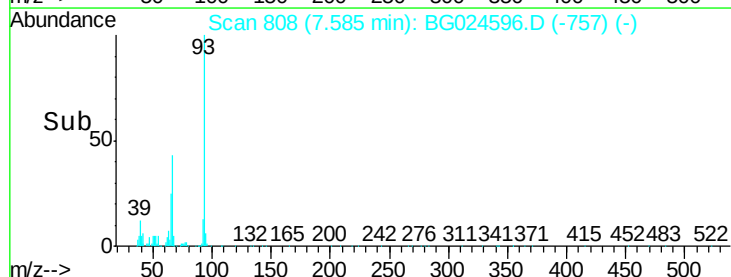
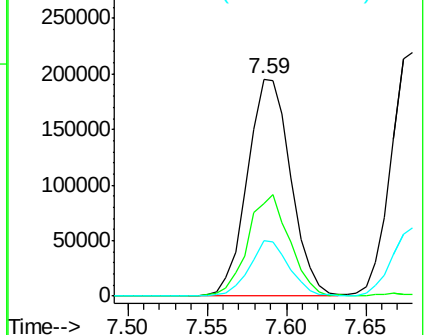
65 25.3 21.2 31.8

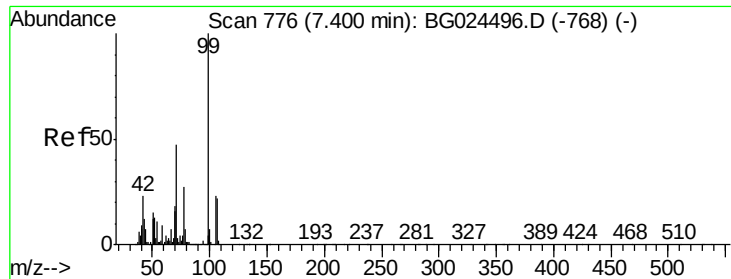


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 132.05 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.01 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

Instrument :

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ClientSampleId :

PB94460BS

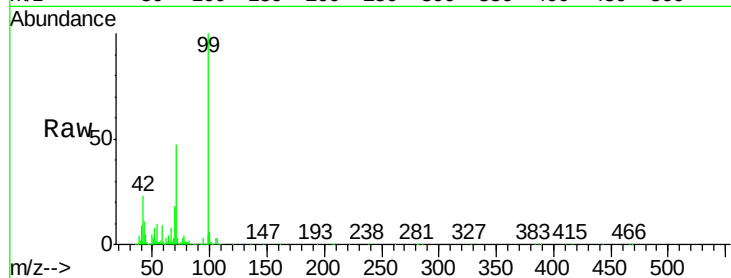
Tgt Ion: 99 Resp: 1389639

Ion Ratio Lower Upper

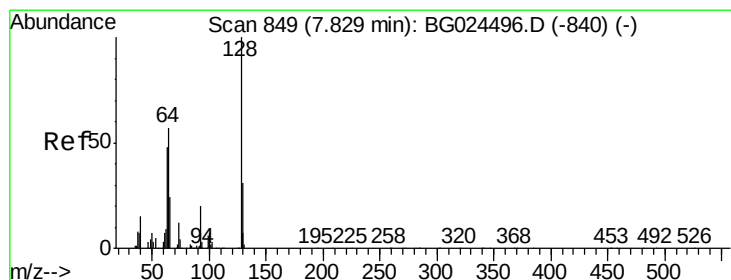
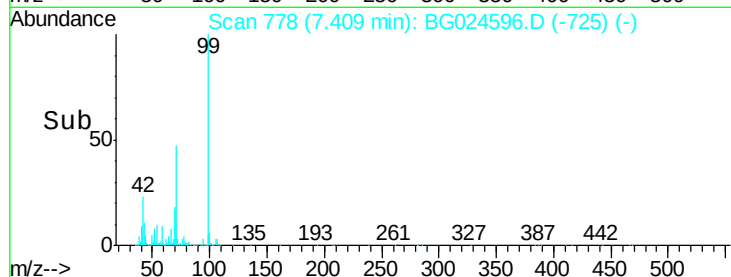
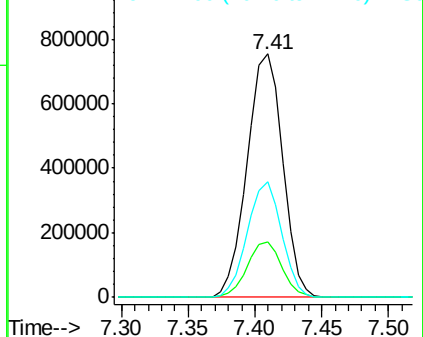
99 100

42 22.9 20.5 30.7

71 47.4 37.6 56.4



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: 46.72 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

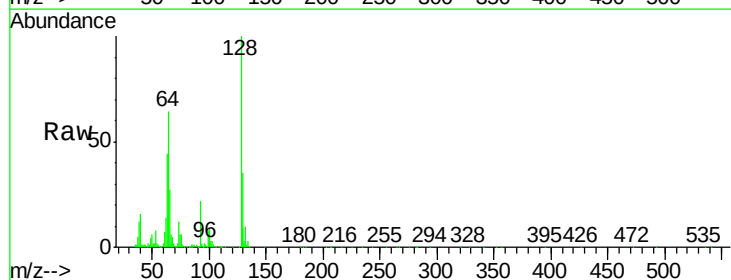
Tgt Ion: 128 Resp: 364376

Ion Ratio Lower Upper

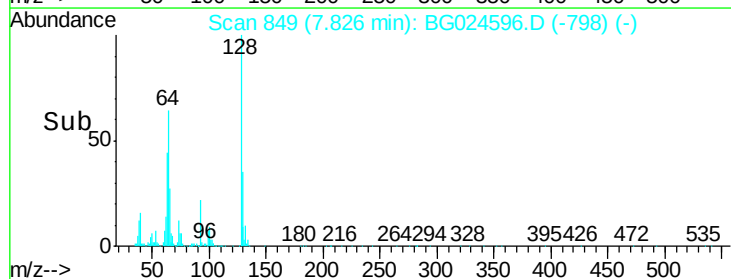
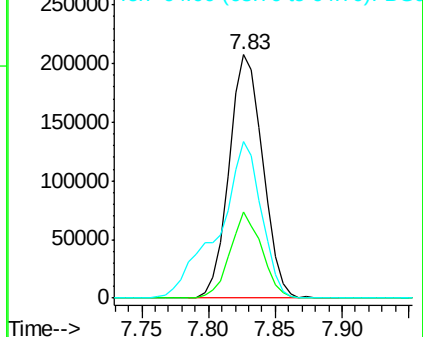
128 100

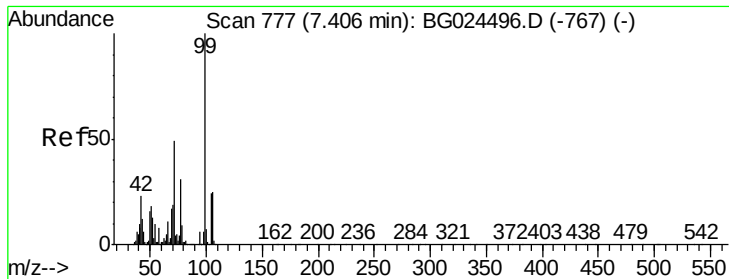
130 35.4 11.4 51.4

64 64.2 46.6 86.6



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: 10.30 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

Instrument :

BNA_G

ClientSampleId :

PB94460BS

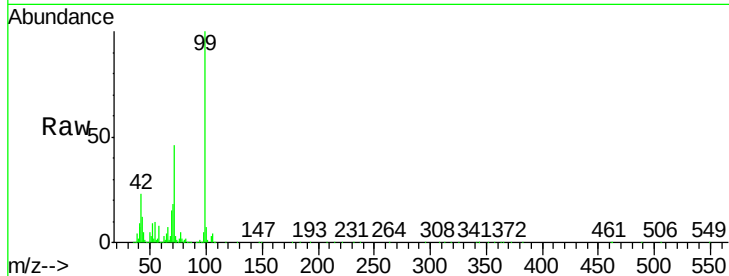
Tgt Ion: 77 Resp: 67005

Ion Ratio Lower Upper

77 100

105 73.8 60.9 100.9

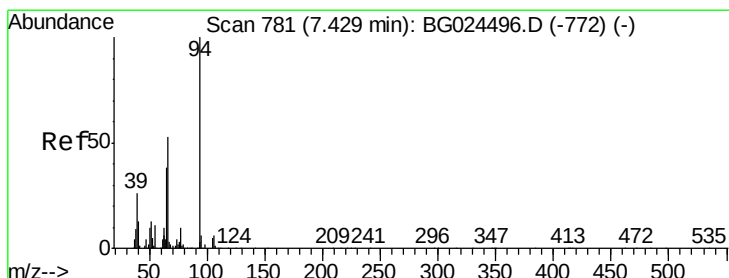
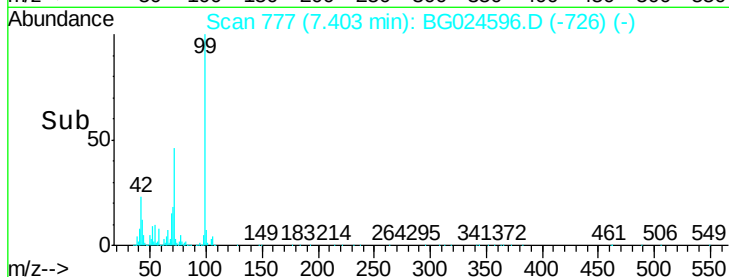
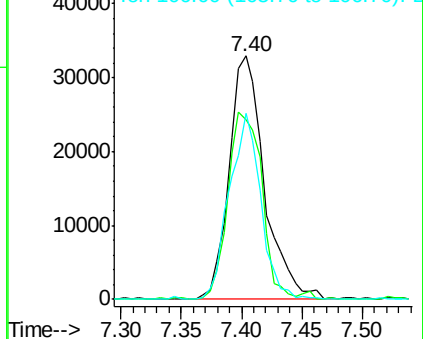
106 76.6 55.1 95.1



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: 49.37 ng

RT: 7.44 min Scan# 783

Delta R.T. 0.01 min

Lab File: BG024596.D

Acq: 1 Nov 2016 17:14

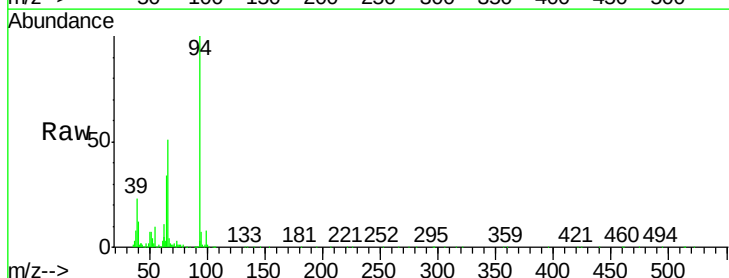
Tgt Ion: 94 Resp: 535592

Ion Ratio Lower Upper

94 100

65 33.8 20.6 60.6

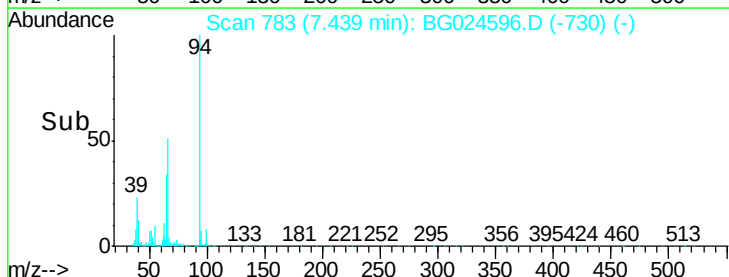
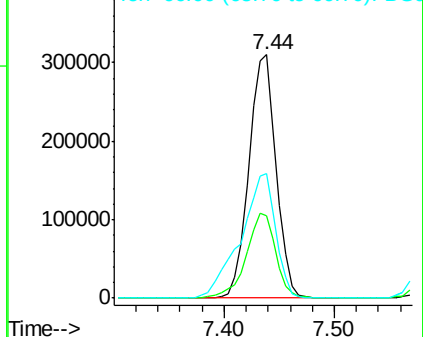
66 51.0 35.5 75.5

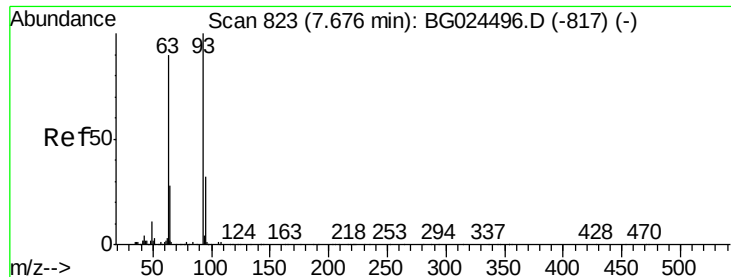


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

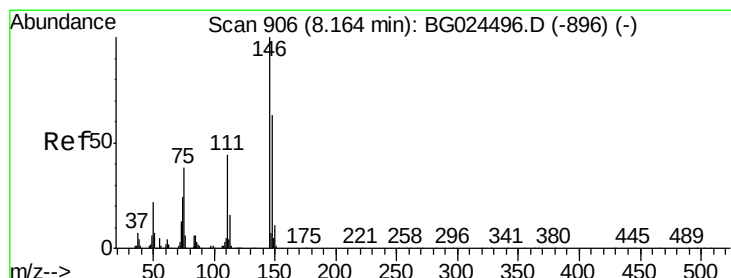
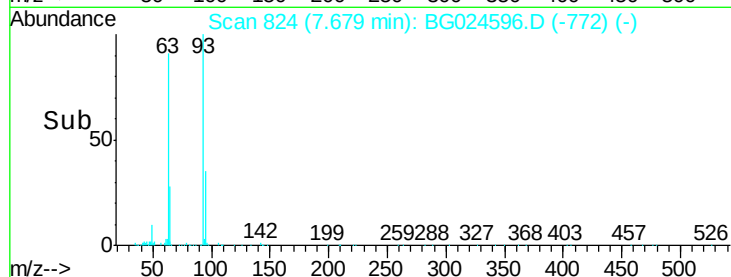
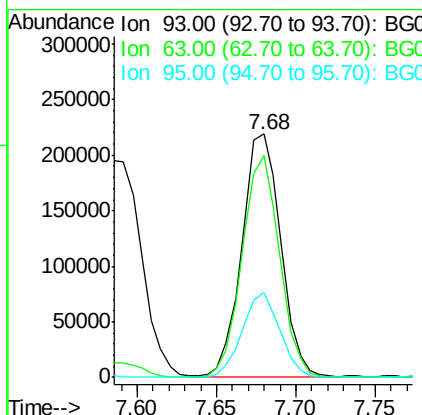
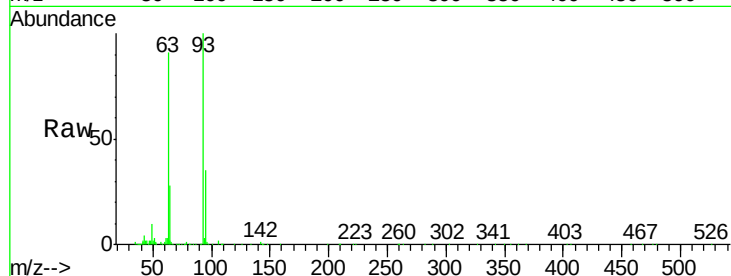




#11
bis(2-Chloroethyl)ether
Concen: 45.74 ng
RT: 7.68 min Scan# 824
Delta R.T. 0.00 min
Lab File: BG024596.D
Acq: 1 Nov 2016 17:14

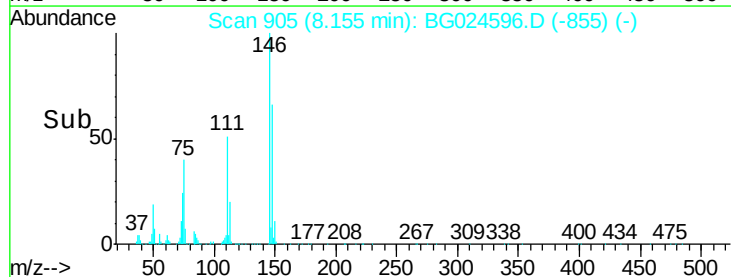
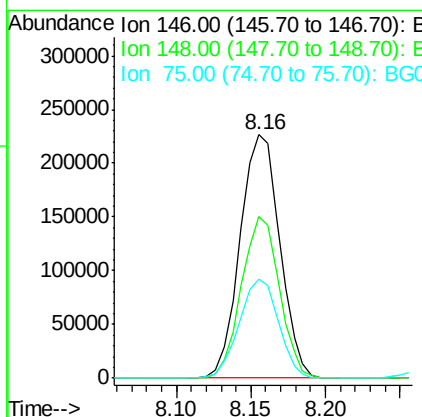
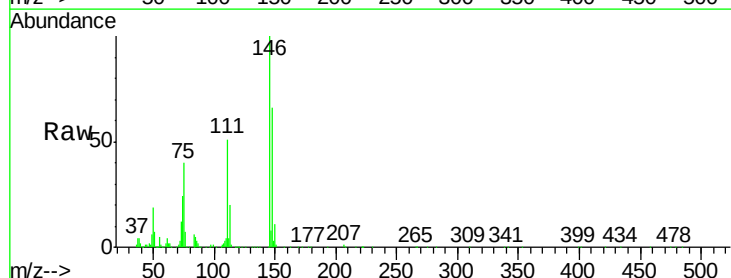
Instrument :
BNA_G
ClientSampleId :
PB94460BS

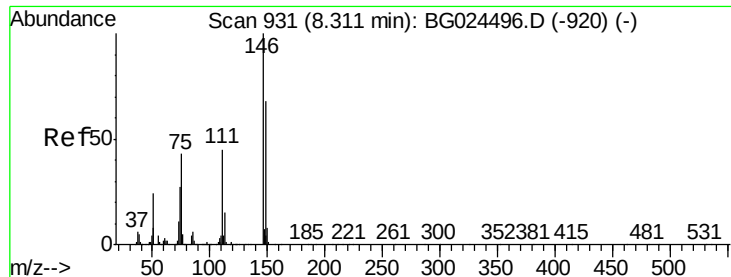
Tgt Ion: 93 Resp: 372742
Ion Ratio Lower Upper
93 100
63 91.3 78.5 118.5
95 34.7 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 43.11 ng
RT: 8.16 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG024596.D
Acq: 1 Nov 2016 17:14

Tgt Ion: 146 Resp: 416234
Ion Ratio Lower Upper
146 100
148 66.3 49.2 73.8
75 40.5 33.4 50.2

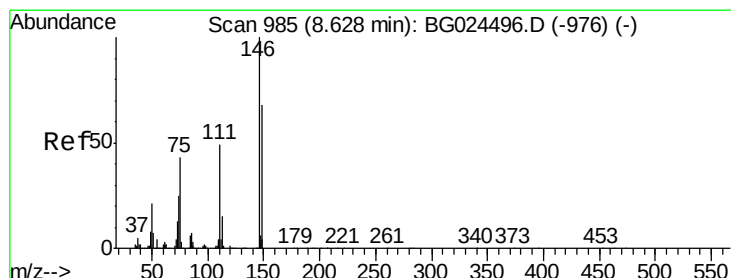
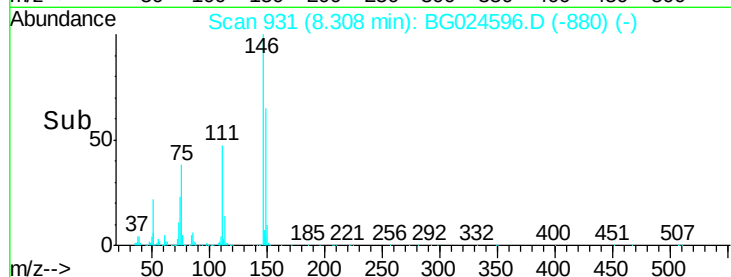
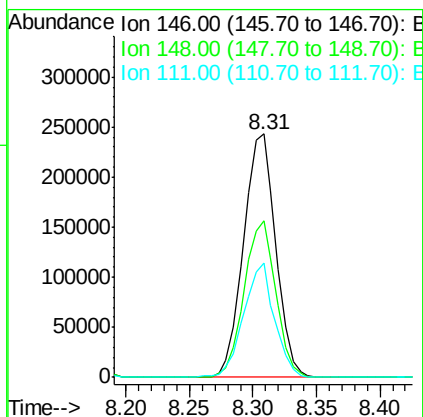
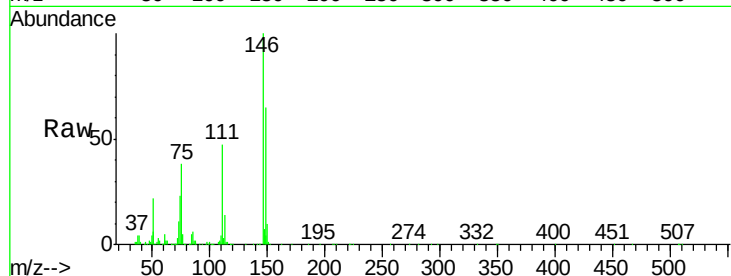




#13
1,4-Dichlorobenzene
Concen: 45.01 ng
RT: 8.31 min Scan# 931
Delta R.T. -0.00 min
Lab File: BG024596.D
Acq: 1 Nov 2016 17:14

Instrument :
BNA_G
ClientSampleId :
PB94460BS

Tgt Ion:146 Resp: 429236
Ion Ratio Lower Upper
146 100
148 64.5 52.2 78.2
111 46.8 37.0 55.6



#14
1,2-Dichlorobenzene
Concen: 43.49 ng
RT: 8.63 min Scan# 985
Delta R.T. -0.00 min
Lab File: BG024596.D
Acq: 1 Nov 2016 17:14

Tgt Ion:146 Resp: 398797
Ion Ratio Lower Upper
146 100
148 61.9 54.6 81.8
111 49.8 39.7 59.5

