

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
 Data File : BG023223.D
 Acq On : 22 Jul 2016 20:01
 Operator : UM/SJ
 Sample : PB92359BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB92359BS

Quant Time: Jul 22 23:40:19 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:46:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	107216	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	509696	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	378507	20.00	ng	0.01
63) Phenanthrene-d10	17.57	188	907893	20.00	ng	0.02
75) Chrysene-d12	21.90	240	947366	20.00	ng	0.02
86) Perylene-d12	25.30	264	979553	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	991456	151.24	ng	0.00
7) Phenol-d6	7.30	99	1482790	144.42	ng	0.00
23) Nitrobenzene-d5	9.32	82	1076100	90.40	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	685580	100.78	ng	0.01
44) 2-Fluorobiphenyl	13.43	172	2054483	85.50	ng	0.01
78) Terphenyl-d14	20.18	244	2826029	102.18	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	88698	34.81	ng	97
3) Pyridine	3.94	79	302155	34.65	ng	93
4) n-Nitrosodimethylamine	3.86	42	166946	44.63	ng	# 93
6) Aniline	7.46	93	527517	37.07	ng	96
8) 2-Chlorophenol	7.70	128	341199	48.91	ng	99
9) Benzaldehyde	7.27	77	96150	14.01	ng	90
10) Phenol	7.33	94	527021	49.89	ng	88
11) bis(2-Chloroethyl)ether	7.56	93	367192	43.85	ng	95
12) 1,3-Dichlorobenzene	8.03	146	341306	39.97	ng	96
13) 1,4-Dichlorobenzene	8.18	146	355660	41.60	ng	98
14) 1,2-Dichlorobenzene	8.50	146	346002	40.71	ng	95
15) Benzyl Alcohol	8.39	79	455187	48.40	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.68	45	497565	48.65	ng	92
17) 2-Methylphenol	8.59	107	341862	49.71	ng	94
18) Hexachloroethane	9.24	117	147797	40.95	ng	94
19) n-Nitroso-di-n-propylamine	8.95	70	391896	42.34	ng	98
20) 3+4-Methylphenols	8.92	107	470866	49.10	ng	97
22) Acetophenone	8.97	105	621710	40.64	ng	# 95
24) Nitrobenzene	9.37	77	559391	44.23	ng	93
25) Isophorone	9.88	82	1008401	42.12	ng	98
26) 2-Nitrophenol	10.08	139	215852	43.49	ng	89
27) 2,4-Dimethylphenol	10.14	122	378007	44.06	ng	90
28) bis(2-Chloroethoxy)methane	10.37	93	562938	42.16	ng	99
29) 2,4-Dichlorophenol	10.62	162	406499	44.43	ng	96
30) 1,2,4-Trichlorobenzene	10.84	180	400179	38.17	ng	95
31) Naphthalene	11.03	128	1088373	41.95	ng	98
32) Benzoic acid	10.27	122	238717	30.58	ng	94
33) 4-Chloroaniline	11.14	127	304360	23.99	ng	98
34) Hexachlorobutadiene	11.31	225	284968	33.53	ng	97
35) Caprolactam	11.96	113	79283	21.06	ng	91
36) 4-Chloro-3-methylphenol	12.26	107	502289	40.14	ng	96
37) 2-Methylnaphthalene	12.63	142	858485	41.86	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	496074	30.41	ng	98
40) Hexachlorocyclopentadiene	12.97	237	697231	74.25	ng	95

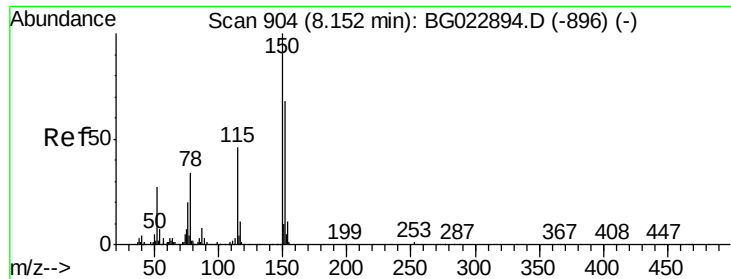
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.24	196	361796	38.59	ng	99
43) 2,4,5-Trichlorophenol	13.32	196	377962	39.26	ng	93
45) 1,1'-Biphenyl	13.64	154	1176569	41.43	ng	96
46) 2-Chloronaphthalene	13.69	162	967893	42.01	ng	96
47) 2-Nitroaniline	13.89	65	432889	44.04	ng	94
48) Acenaphthylene	14.54	152	1489007	43.09	ng	99
49) Dimethylphthalate	14.26	163	1327041	42.92	ng	97
50) 2,6-Dinitrotoluene	14.38	165	305389	43.95	ng	90
51) Acenaphthene	14.88	154	972995	43.09	ng	99
52) 3-Nitroaniline	14.72	138	220865	31.88	ng	89
53) 2,4-Dinitrophenol	14.92	184	384280	80.60	ng	95
54) Dibenzofuran	15.21	168	1545663	45.73	ng	99
55) 4-Nitrophenol	15.04	139	527744	90.87	ng	90
56) 2,4-Dinitrotoluene	15.18	165	442877	43.72	ng	# 97
57) Fluorene	15.87	166	1260518	43.33	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.36	232	393740	40.88	ng	98
59) Diethylphthalate	15.62	149	1392615	44.27	ng	98
60) 4-Chlorophenyl-phenylether	15.85	204	694256	39.18	ng	97
61) 4-Nitroaniline	15.89	138	329345	43.93	ng	# 76
62) Azobenzene	16.15	77	1573090	52.28	ng	94
64) 4,6-Dinitro-2-methylphenol	15.95	198	282567	41.88	ng	97
65) n-Nitrosodiphenylamine	16.07	169	1164342	44.51	ng	96
66) 4-Bromophenyl-phenylether	16.75	248	459333	38.89	ng	99
67) Hexachlorobenzene	16.88	284	455533	35.47	ng	95
68) Atrazine	17.02	200	497192	42.85	ng	94
69) Pentachlorophenol	17.22	266	603920	72.61	ng	99
70) Phenanthrene	17.62	178	2037915	45.80	ng	96
71) Anthracene	17.71	178	2069080	45.92	ng	96
72) Carbazole	17.99	167	1884680	48.41	ng	99
73) Di-n-butylphthalate	18.53	149	2217802	51.23	ng	99
74) Fluoranthene	19.63	202	2346362	42.97	ng	96
76) Benzidine	19.81	184	1155636	42.55	ng	99
77) Pyrene	19.99	202	2357416	44.28	ng	97
79) Butylbenzylphthalate	20.87	149	1109181	52.60	ng	98
80) Benzo(a)anthracene	21.88	228	2369177	44.70	ng	97
81) 3,3'-Dichlorobenzidine	21.79	252	619485	26.63	ng	# 99
82) Chrysene	21.95	228	2219927	44.65	ng	95
83) Bis(2-ethylhexyl)phthalate	21.76	149	1520936	51.94	ng	97
84) Di-n-octyl phthalate	23.03	149	2588986	53.02	ng	99
85) Indeno(1,2,3-cd)pyrene	29.21	276	2743717	43.28	ng	# 100
87) Benzo(b)fluoranthene	24.22	252	2497830	44.20	ng	# 97
88) Benzo(k)fluoranthene	24.29	252	2367089	44.14	ng	# 95
89) Benzo(a)pyrene	25.14	252	2418410	44.64	ng	# 95
90) Dibenzo(a,h)anthracene	29.28	278	2253799	41.92	ng	# 92
91) Benzo(g,h,i)perylene	30.43	276	2270315	42.16	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 903

Delta R.T. 0.00 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Instrument :

BNA_G

ClientSampleId :

PB92359BS

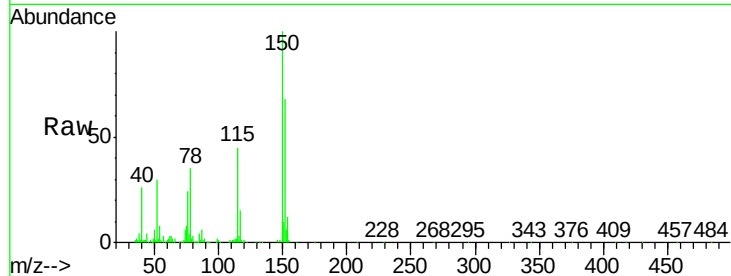
Tgt Ion:152 Resp: 107216

Ion Ratio Lower Upper

152 100

150 146.3 144.7 217.1

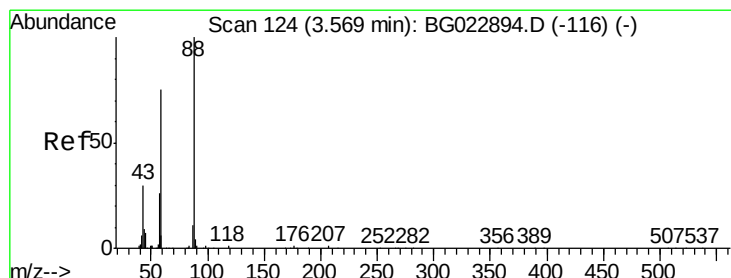
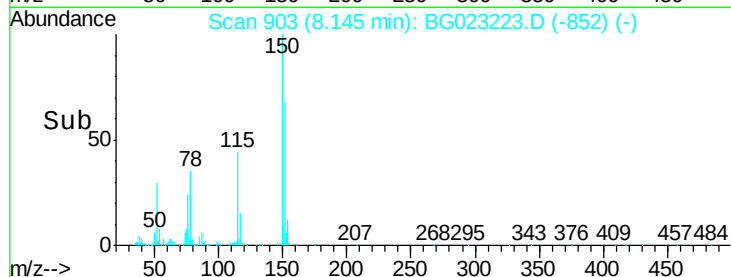
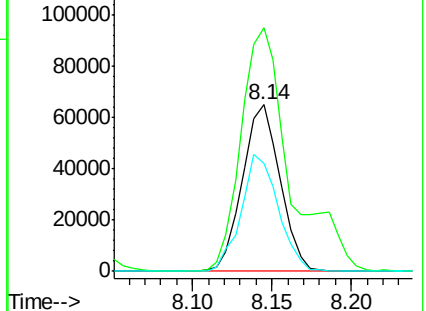
115 65.1 64.0 96.0



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: 34.81 ng

RT: 3.53 min Scan# 118

Delta R.T. -0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

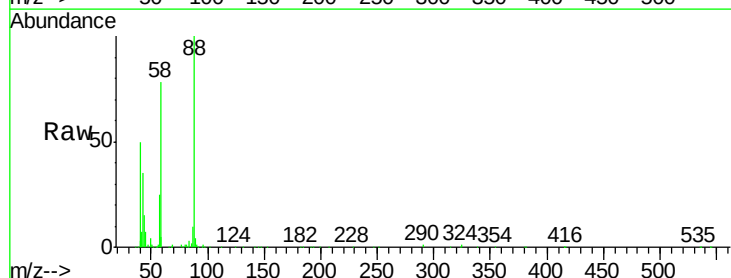
Tgt Ion: 88 Resp: 88698

Ion Ratio Lower Upper

88 100

58 75.7 60.4 90.6

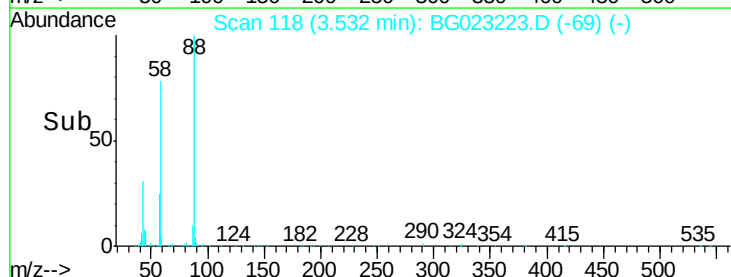
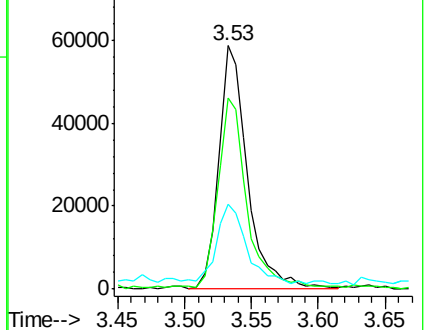
43 34.1 31.1 46.7

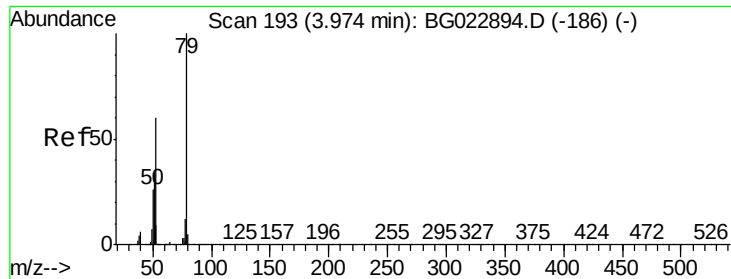


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 34.65 ng

RT: 3.94 min Scan# 187

Delta R.T. -0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Instrument :

BNA_G

ClientSampleId :

PB92359BS

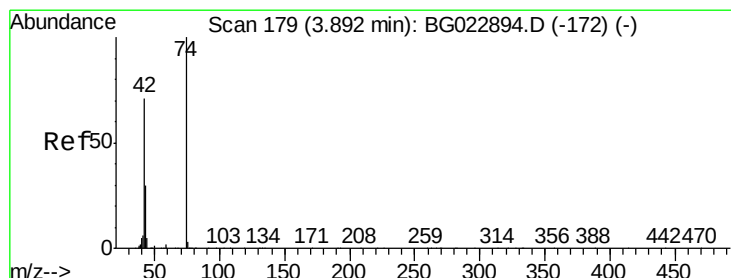
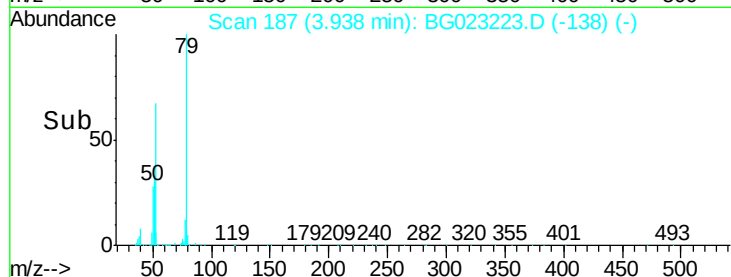
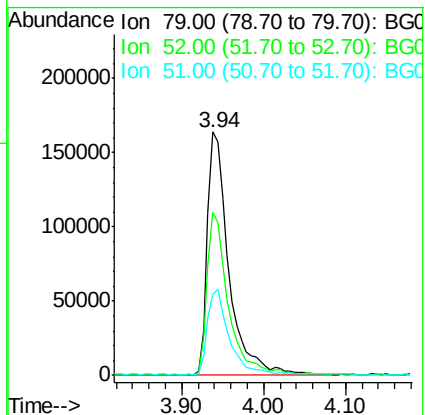
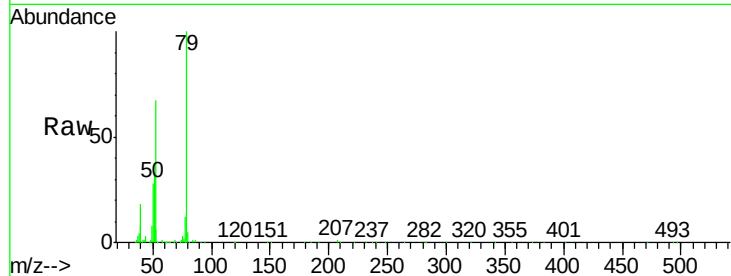
Tgt Ion: 79 Resp: 302155

Ion Ratio Lower Upper

79 100

52 67.1 51.8 77.8

51 33.2 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 44.63 ng

RT: 3.86 min Scan# 173

Delta R.T. -0.00 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

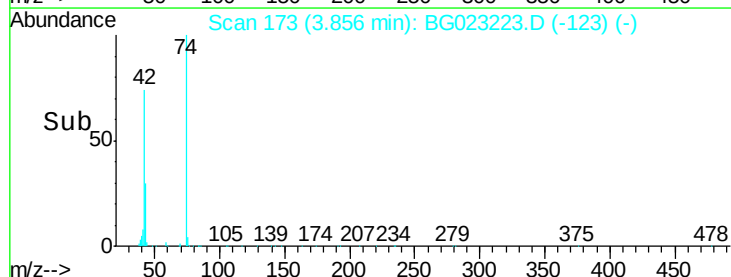
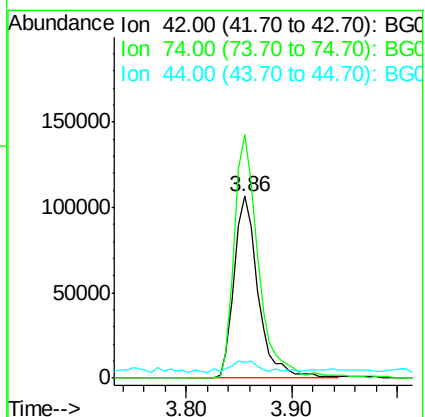
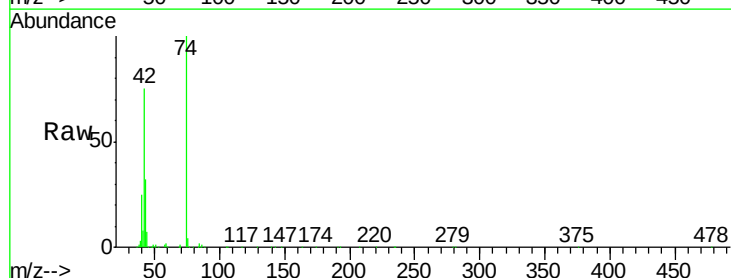
Tgt Ion: 42 Resp: 166946

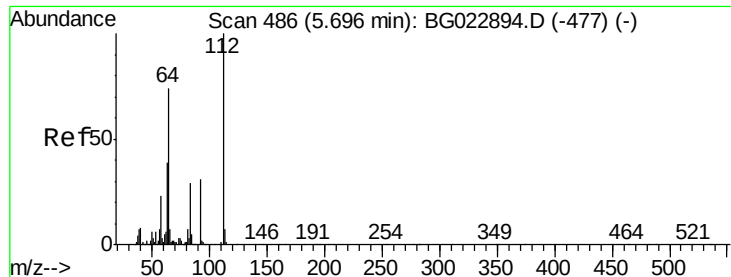
Ion Ratio Lower Upper

42 100

74 134.1 100.6 150.8

44 8.9 4.5 6.7#





#5

2-Fluorophenol

Concen: 151.24 ng

RT: 5.68 min Scan# 484

Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

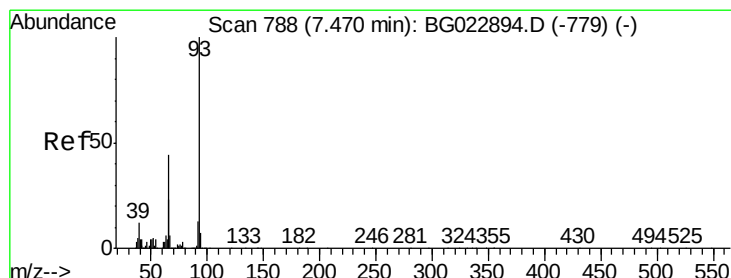
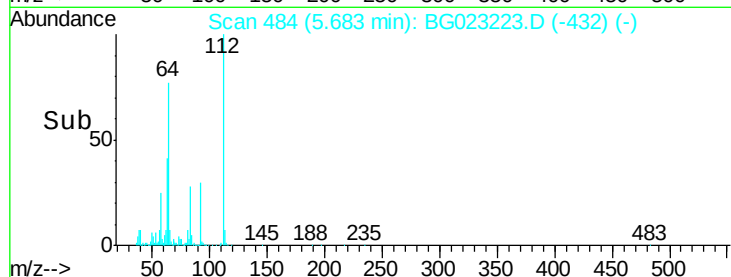
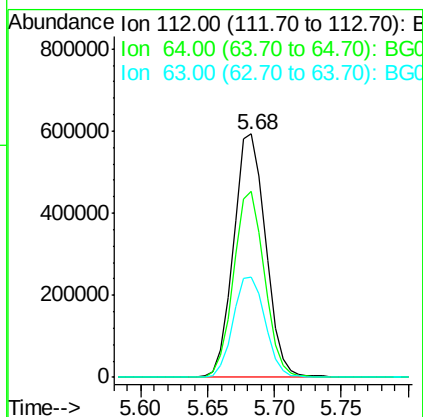
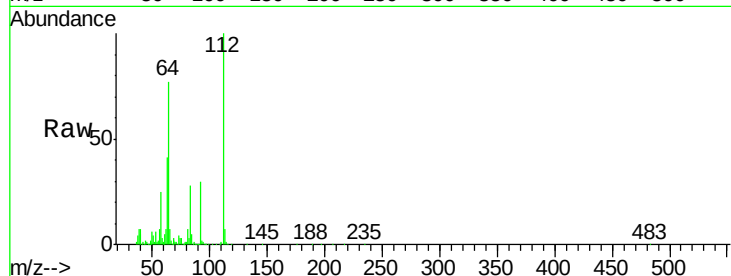
Instrument :

BNA_G

ClientSampleId :

PB92359BS

Tgt Ion:	112	Resp:	991456
Ion	Ratio	Lower	Upper
112	100		
64	76.6	59.0	88.4
63	41.0	37.8	56.8



#6

Aniline

Concen: 37.07 ng

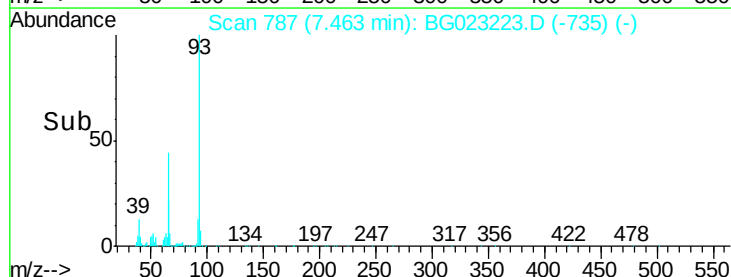
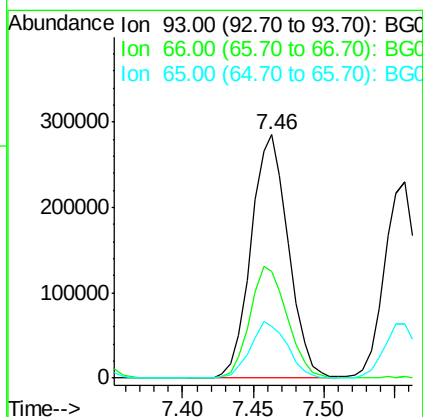
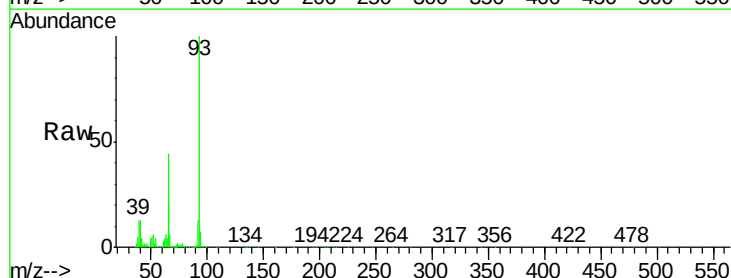
RT: 7.46 min Scan# 787

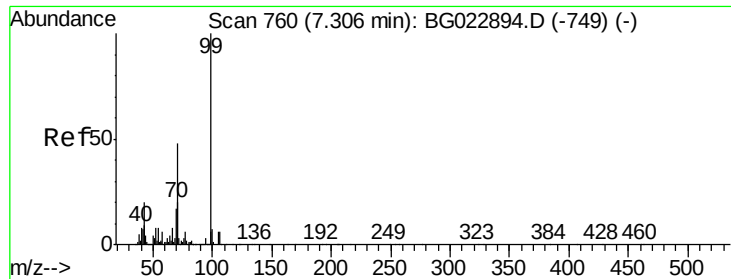
Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Tgt Ion:	93	Resp:	527517
Ion	Ratio	Lower	Upper
93	100		
66	44.0	37.5	56.3
65	21.4	17.9	26.9





#7

Phenol-d6

Concen: 144.42 ng

RT: 7.30 min Scan# 759

Delta R.T. 0.00 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Instrument :

BNA_G

ClientSampleId :

PB92359BS

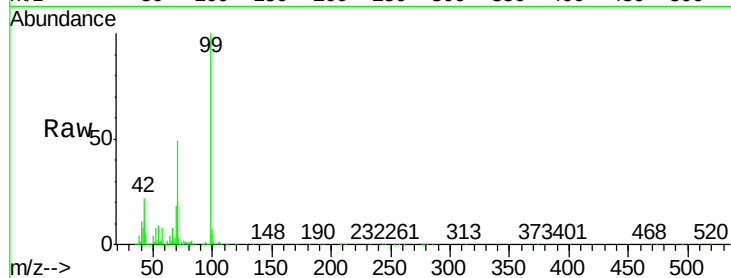
Tgt Ion: 99 Resp: 1482790

Ion Ratio Lower Upper

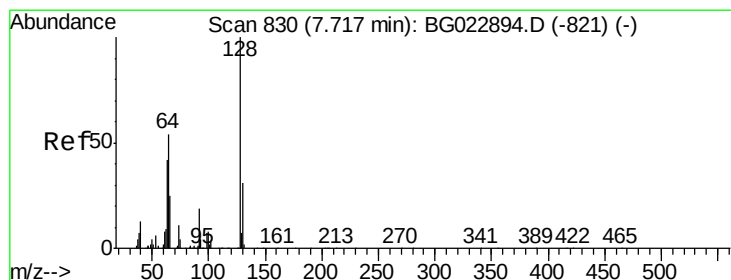
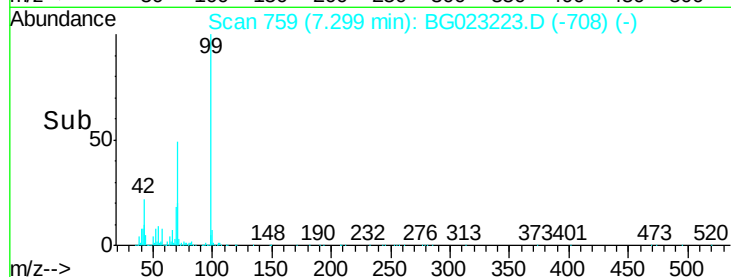
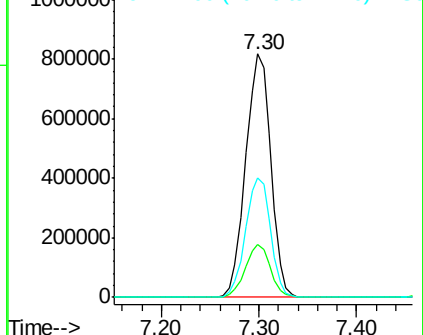
99 100

42 22.0 17.8 26.6

71 49.0 41.5 62.3



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: 48.91 ng

RT: 7.70 min Scan# 828

Delta R.T. 0.00 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

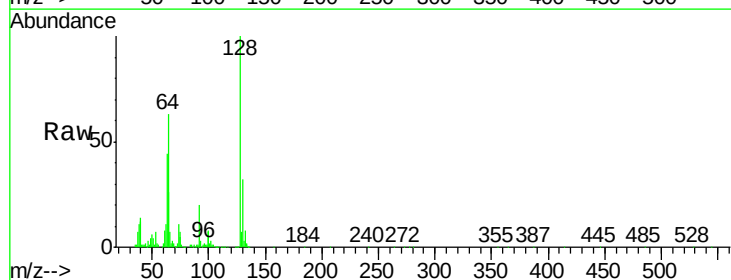
Tgt Ion: 128 Resp: 341199

Ion Ratio Lower Upper

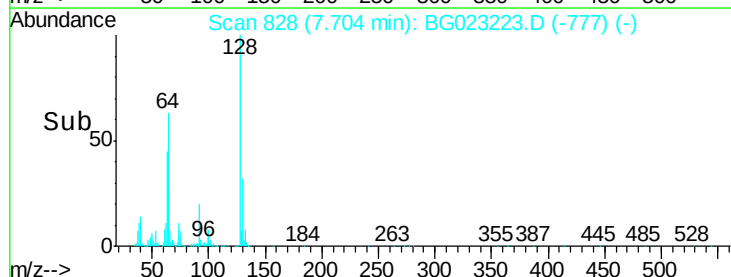
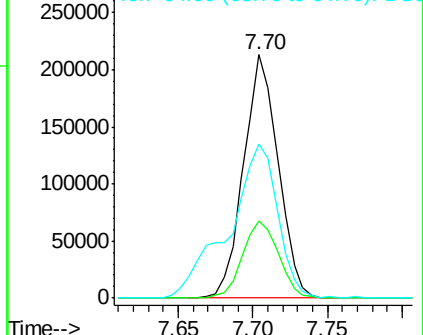
128 100

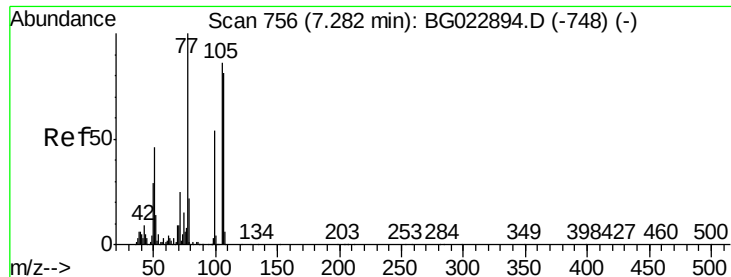
130 32.0 12.9 52.9

64 63.0 42.0 82.0



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: 14.01 ng

RT: 7.27 min Scan# 754

Delta R.T. 0.00 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Instrument :

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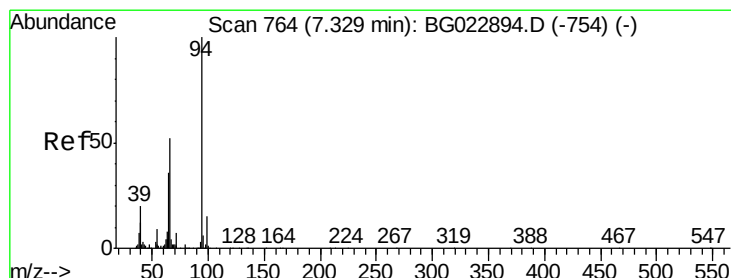
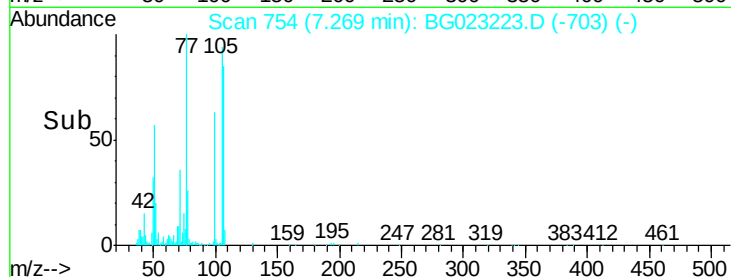
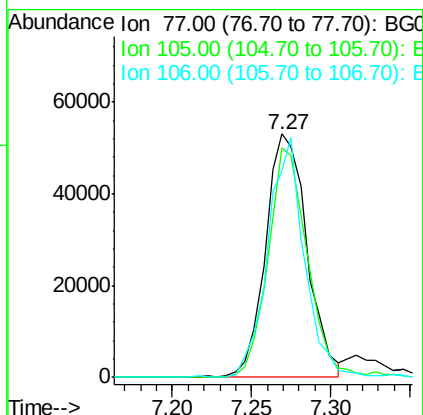
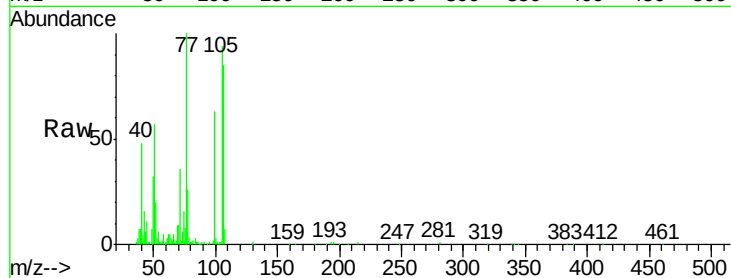
Tgt Ion: 77 Resp: 96150

Ion Ratio Lower Upper

77 100

105 94.0 58.7 98.7

106 85.0 67.5 107.5



#10

Phenol

Concen: 49.89 ng

RT: 7.33 min Scan# 764

Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

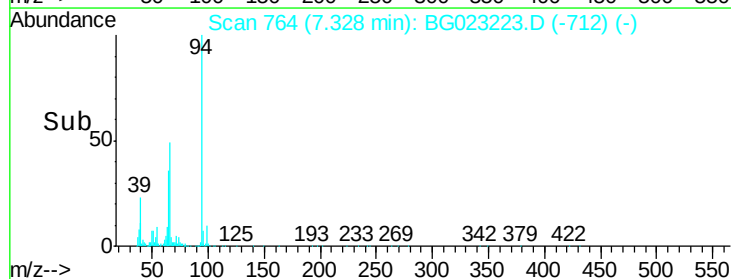
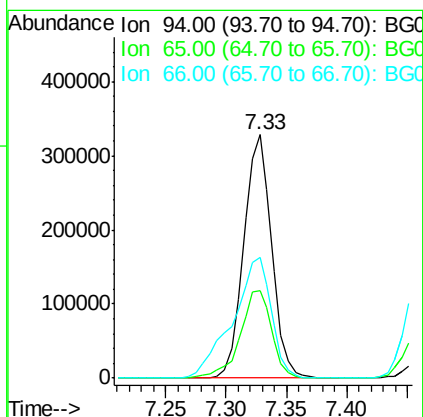
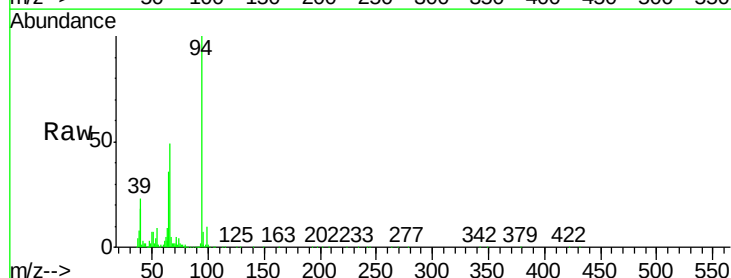
Tgt Ion: 94 Resp: 527021

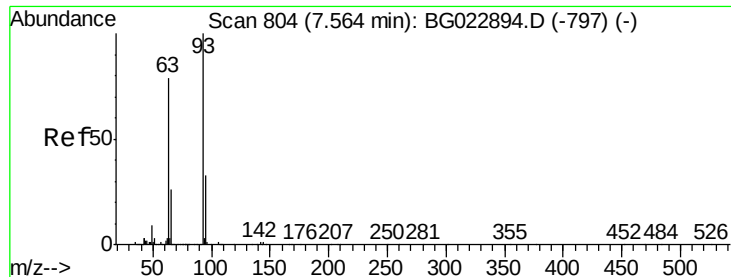
Ion Ratio Lower Upper

94 100

65 35.9 18.1 58.1

66 49.5 42.1 82.1

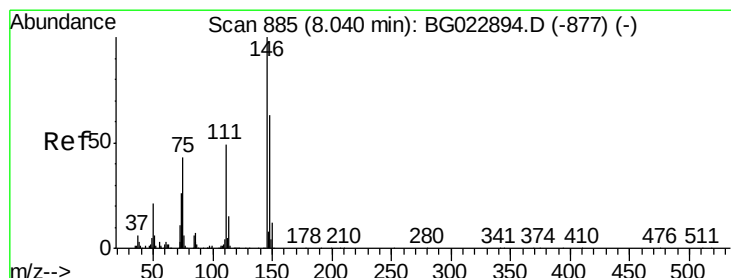
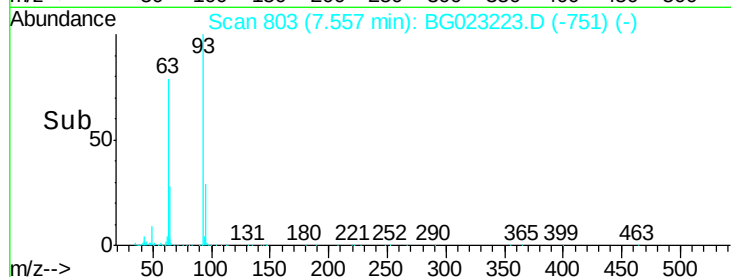
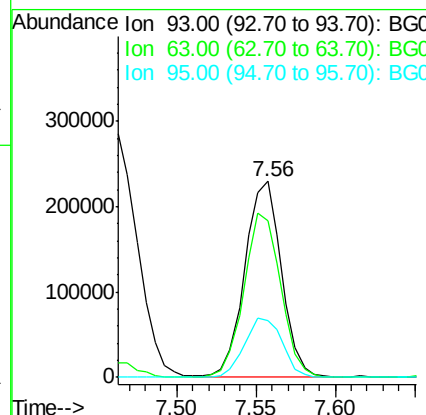
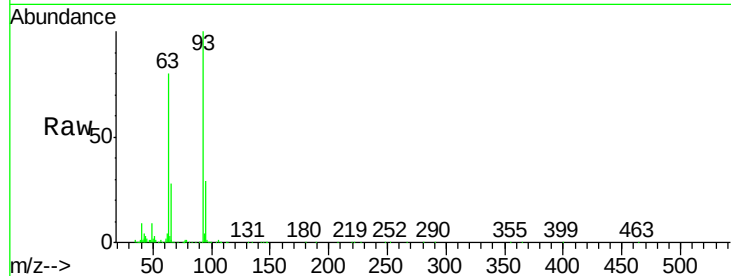




#11
bis(2-Chloroethyl)ether
Concen: 43.85 ng
RT: 7.56 min Scan# 803
Delta R.T. 0.01 min
Lab File: BG023223.D
Acq: 22 Jul 2016 20:01

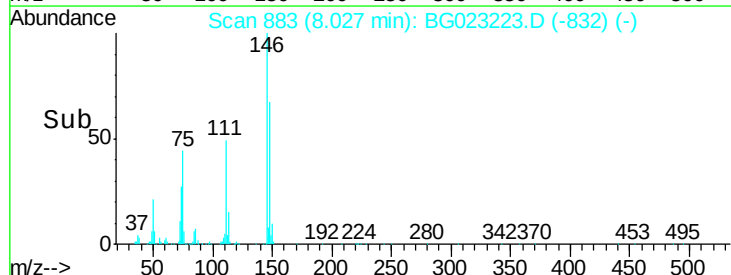
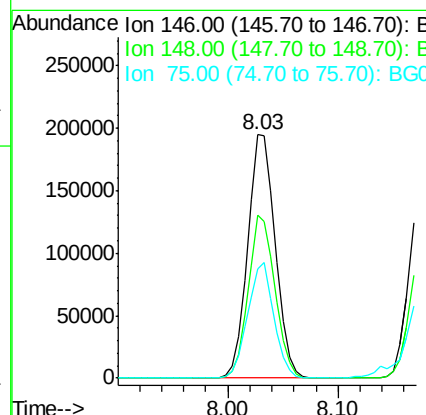
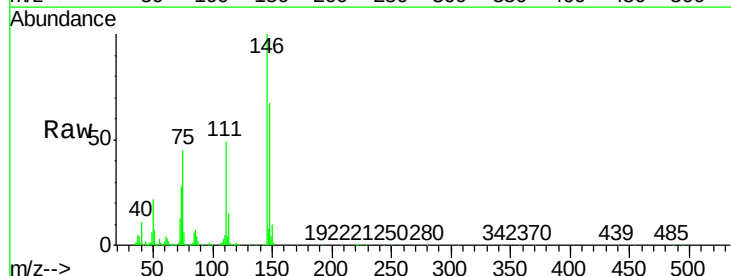
Instrument :
BNA_G
ClientSampleId :
PB92359BS

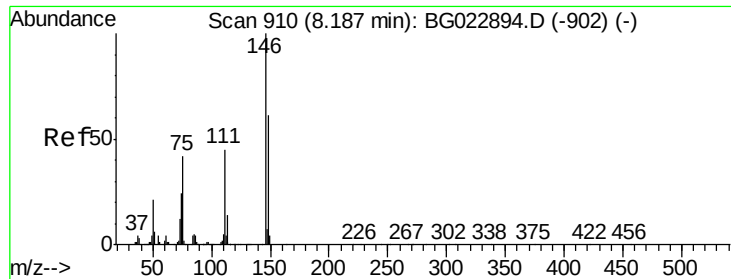
Tgt Ion: 93 Resp: 367192
Ion Ratio Lower Upper
93 100
63 79.5 55.0 95.0
95 29.0 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 39.97 ng
RT: 8.03 min Scan# 883
Delta R.T. 0.00 min
Lab File: BG023223.D
Acq: 22 Jul 2016 20:01

Tgt Ion: 146 Resp: 341306
Ion Ratio Lower Upper
146 100
148 67.0 50.3 75.5
75 44.8 37.0 55.6

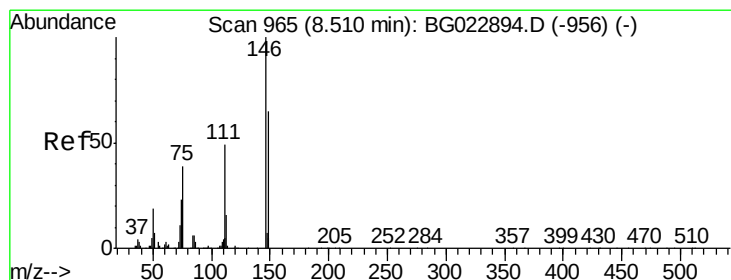
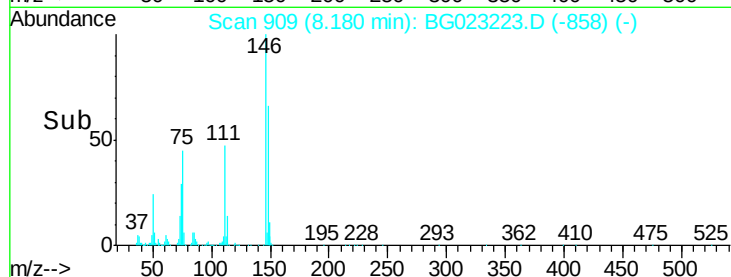
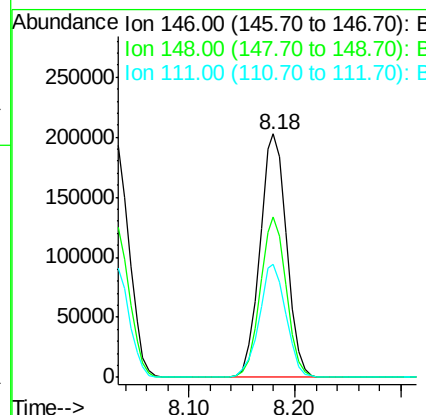
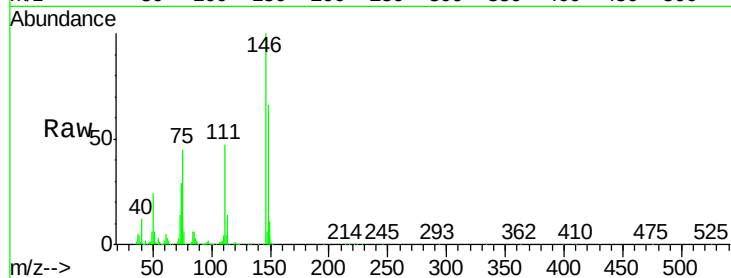




#13
 1,4-Dichlorobenzene
 Concen: 41.60 ng
 RT: 8.18 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BG023223.D
 Acq: 22 Jul 2016 20:01

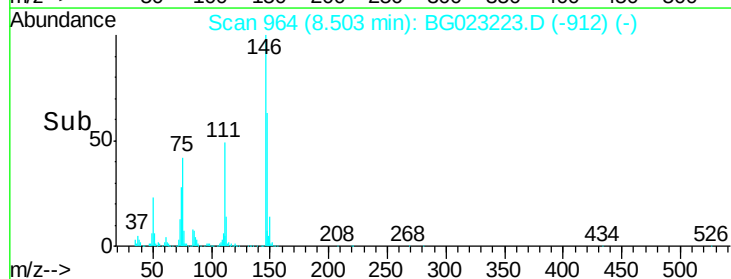
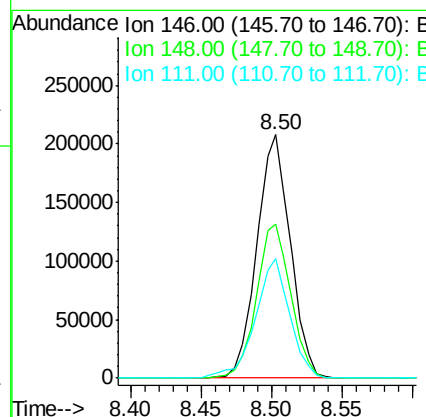
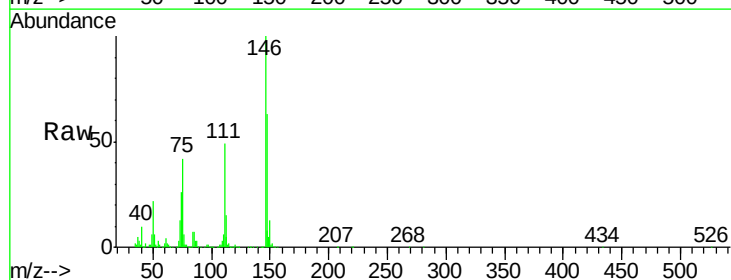
Instrument :
 BNA_G
 ClientSampleId :
 PB92359BS

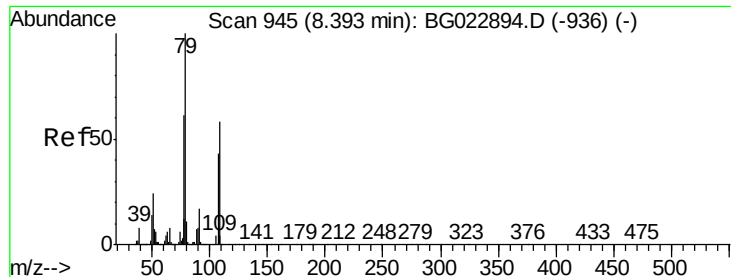
Tgt Ion:146 Resp: 355660
 Ion Ratio Lower Upper
 146 100
 148 65.8 54.5 81.7
 111 46.5 37.8 56.8



#14
 1,2-Dichlorobenzene
 Concen: 40.71 ng
 RT: 8.50 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: BG023223.D
 Acq: 22 Jul 2016 20:01

Tgt Ion:146 Resp: 346002
 Ion Ratio Lower Upper
 146 100
 148 63.0 52.9 79.3
 111 49.1 43.5 65.3





#15

Benzyl Alcohol

Concen: 48.40 ng

RT: 8.39 min Scan# 944

Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Instrument :

BNA_G

ClientSampleId :

PB92359BS

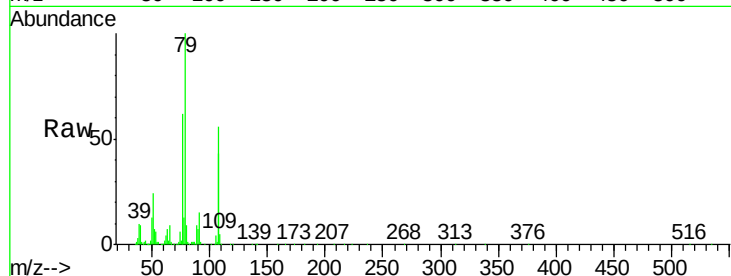
Tgt Ion: 79 Resp: 455187

Ion Ratio Lower Upper

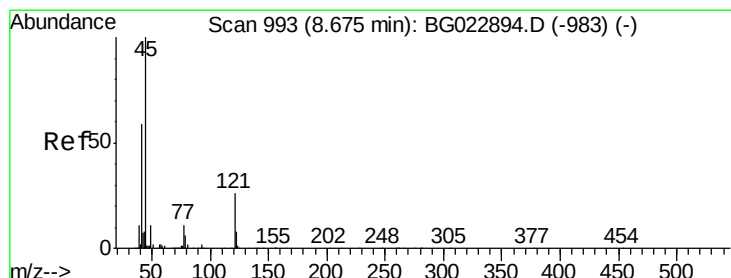
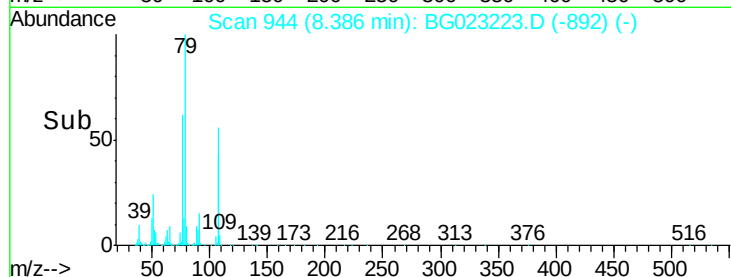
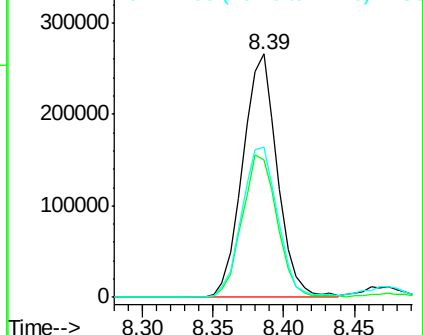
79 100

108 56.4 46.5 69.7

77 61.9 52.3 78.5



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: 48.65 ng

RT: 8.68 min Scan# 994

Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

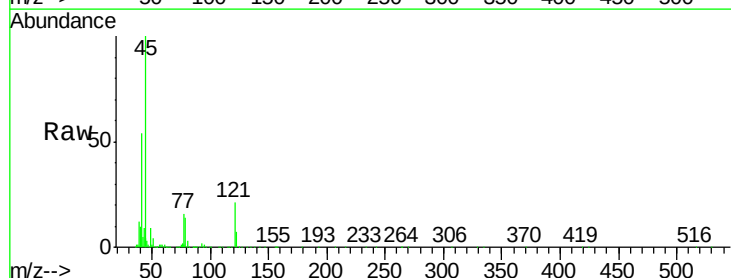
Tgt Ion: 45 Resp: 497565

Ion Ratio Lower Upper

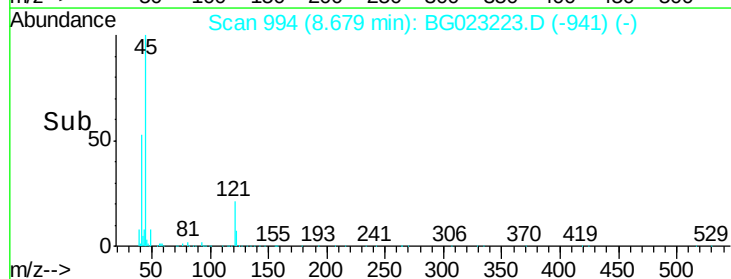
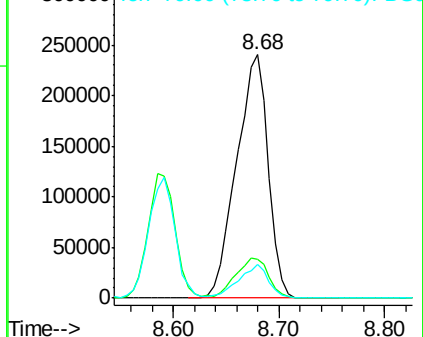
45 100

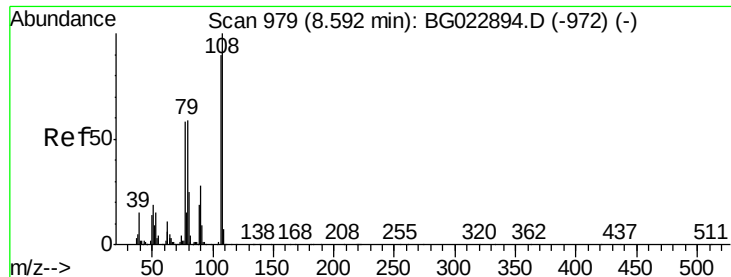
77 16.2 0.6 40.6

79 13.7 0.0 36.2



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: 49.71 ng

RT: 8.59 min Scan# 979

Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

Instrument :

BNA_G

ClientSampleId :

PB92359BS

Tgt Ion:107 Resp: 341862

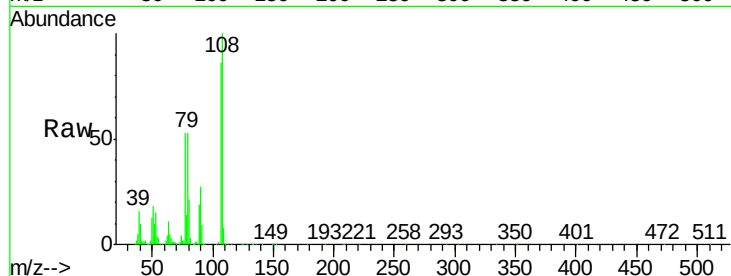
Ion Ratio Lower Upper

107 100

108 115.9 92.0 138.0

77 61.7 55.8 83.6

79 61.3 55.0 82.6

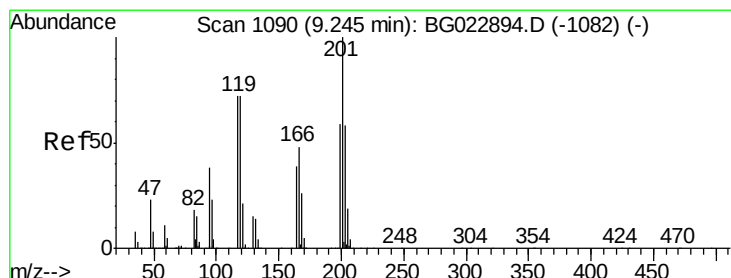
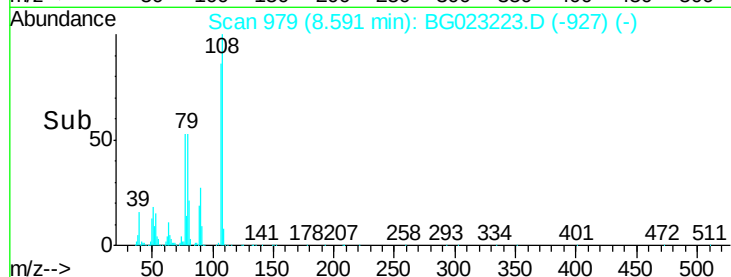
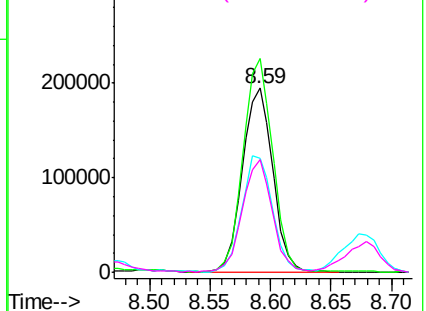


Abundance Ion 107.00 (106.70 to 107.70): E

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: 40.95 ng

RT: 9.24 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BG023223.D

Acq: 22 Jul 2016 20:01

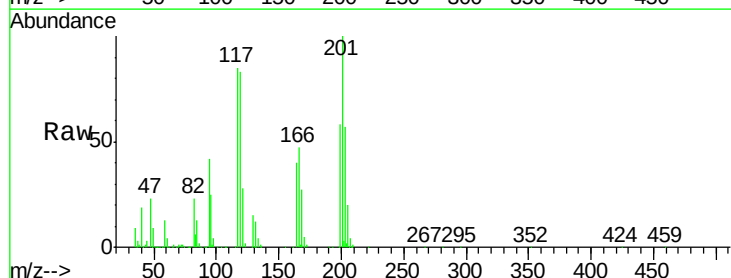
Tgt Ion:117 Resp: 147797

Ion Ratio Lower Upper

117 100

119 97.7 73.7 110.5

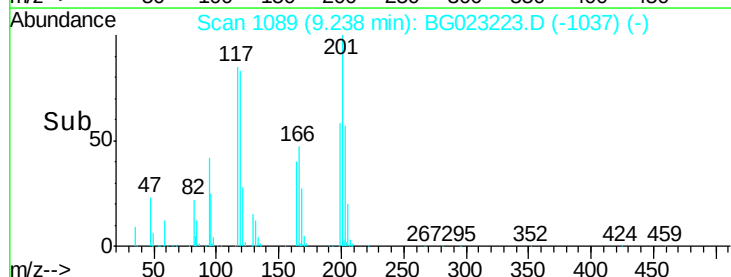
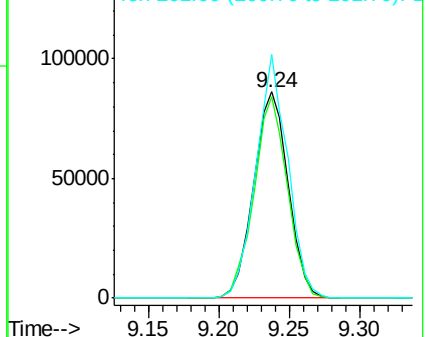
201 117.9 88.7 133.1

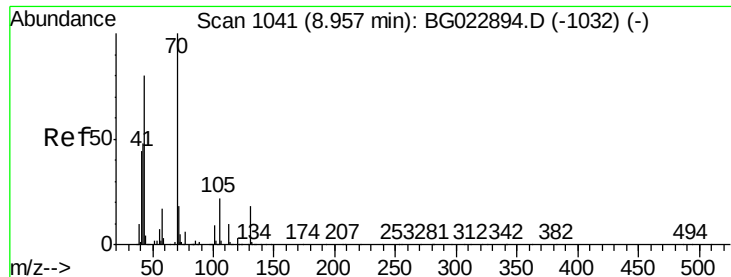


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

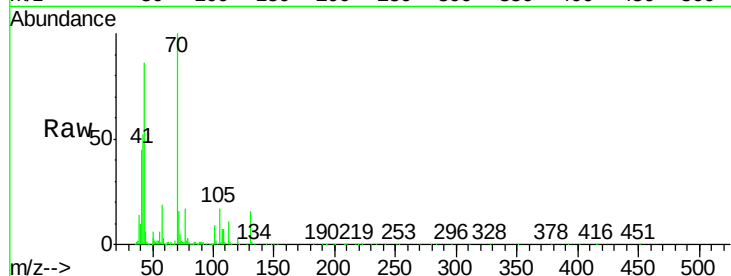




#19
n-Nitroso-di-n-propylamine
Concen: 42.34 ng
RT: 8.95 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BG023223.D
Acq: 22 Jul 2016 20:01

Instrument :
BNA_G
ClientSampleId :
PB92359BS

Tgt Ion:	70	Resp:	391896
Ion	Ratio	Lower	Upper
70	100		
42	52.1	42.1	63.1
101	8.5	7.2	10.8
130	15.7	14.2	21.2



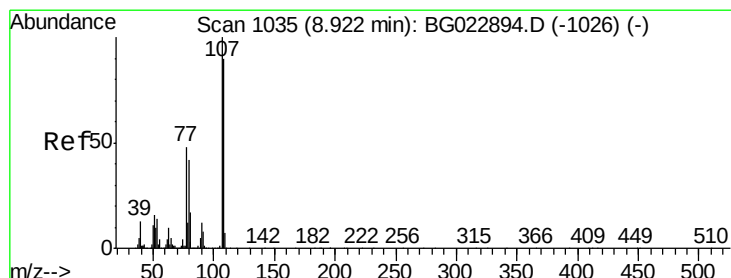
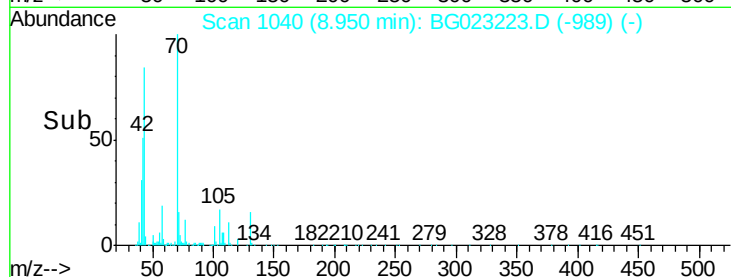
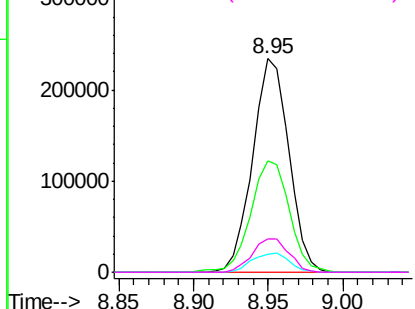
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

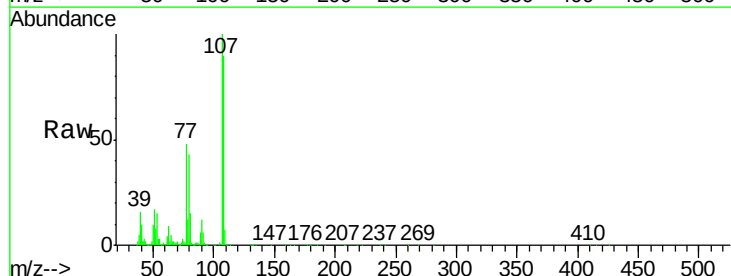
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 49.10 ng
RT: 8.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG023223.D
Acq: 22 Jul 2016 20:01

Tgt Ion:	107	Resp:	470866
Ion	Ratio	Lower	Upper
107	100		
108	89.7	72.5	112.5
77	48.1	30.1	70.1
79	42.7	24.2	64.2



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

