

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071516\
 Data File : BG023111.D
 Acq On : 15 Jul 2016 13:09
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Jul 15 23:11:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	92677	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	431834	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	337319	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	784465	20.00	ng	0.00
75) Chrysene-d12	21.86	240	848643	20.00	ng	0.01
86) Perylene-d12	25.23	264	864962	20.00	ng	0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	464098	81.90	ng	0.00
7) Phenol-d6	7.31	99	743302	83.75	ng	0.00
23) Nitrobenzene-d5	9.33	82	836862	82.98	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	394304	65.04	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1684427	78.66	ng	0.00
78) Terphenyl-d14	20.15	244	2368198	90.85	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	96381	43.76	ng	# 95
3) Pyridine	3.97	79	316390	41.98	ng	95
4) n-Nitrosodimethylamine	3.89	42	134884	41.71	ng	# 95
6) Aniline	7.47	93	501068	40.74	ng	98
8) 2-Chlorophenol	7.72	128	245178	40.66	ng	96
9) Benzaldehyde	7.29	77	239407	40.37	ng	94
10) Phenol	7.33	94	385677	42.24	ng	90
11) bis(2-Chloroethyl)ether	7.56	93	283047	39.11	ng	85
12) 1,3-Dichlorobenzene	8.04	146	301583	40.86	ng	97
13) 1,4-Dichlorobenzene	8.19	146	303261	41.04	ng	94
14) 1,2-Dichlorobenzene	8.51	146	291615	39.69	ng	96
15) Benzyl Alcohol	8.39	79	329699	40.56	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.67	45	367065	41.52	ng	99
17) 2-Methylphenol	8.60	107	244306	41.10	ng	94
18) Hexachloroethane	9.24	117	123049	39.45	ng	95
19) n-Nitroso-di-n-propylamine	8.96	70	304762	38.09	ng	98
20) 3+4-Methylphenols	8.93	107	348290	42.01	ng	98
22) Acetophenone	8.98	105	506491	39.08	ng	# 95
24) Nitrobenzene	9.37	77	442453	41.29	ng	99
25) Isophorone	9.89	82	770910	38.01	ng	97
26) 2-Nitrophenol	10.08	139	165523	39.36	ng	94
27) 2,4-Dimethylphenol	10.14	122	287647	39.57	ng	87
28) bis(2-Chloroethoxy)methane	10.37	93	441092	38.99	ng	99
29) 2,4-Dichlorophenol	10.62	162	312799	40.35	ng	97
30) 1,2,4-Trichlorobenzene	10.84	180	348038	39.18	ng	98
31) Naphthalene	11.03	128	893233	40.63	ng	98
32) Benzoic acid	10.28	122	227212	34.36	ng	# 86
33) 4-Chloroaniline	11.14	127	438467	40.79	ng	95
34) Hexachlorobutadiene	11.31	225	273510	37.98	ng	96
35) Caprolactam	11.92	113	111370	34.92	ng	97
36) 4-Chloro-3-methylphenol	12.26	107	424657	40.05	ng	96
37) 2-Methylnaphthalene	12.63	142	708361	40.77	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	562546	38.70	ng	99
40) Hexachlorocyclopentadiene	12.97	237	445740	53.27	ng	99

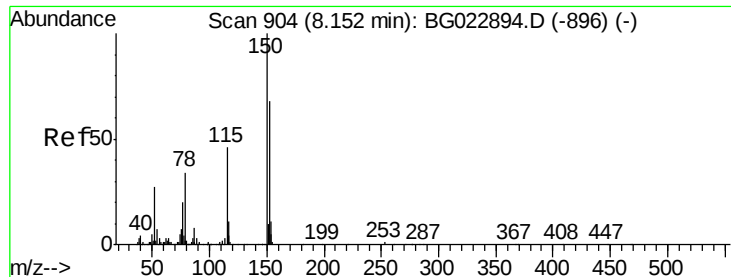
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071516\
 Data File : BG023111.D
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 Sample : SSTDCCC040
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Quant Time: Jul 15 23:11:55 2016
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 Quant Title : ASP BNA 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	13.23	196	320371	38.34	ng	98
43) 2,4,5-Trichlorophenol	13.32	196	322398	37.58	ng	92
45) 1,1'-Biphenyl	13.63	154	1029437	40.67	ng	96
46) 2-Chloronaphthalene	13.68	162	837965	40.82	ng	97
47) 2-Nitroaniline	13.89	65	351151	40.08	ng	98
48) Acenaphthylene	14.53	152	1224887	39.77	ng	97
49) Dimethylphthalate	14.25	163	1008916	36.62	ng	99
50) 2,6-Dinitrotoluene	14.37	165	230895	37.29	ng	85
51) Acenaphthene	14.87	154	804045	39.95	ng	99
52) 3-Nitroaniline	14.71	138	234948	38.05	ng	96
53) 2,4-Dinitrophenol	14.91	184	160029	37.66	ng	93
54) Dibenzofuran	15.20	168	1173561	38.96	ng	98
55) 4-Nitrophenol	15.02	139	159269	30.77	ng	92
56) 2,4-Dinitrotoluene	15.16	165	328843	36.43	ng	# 98
57) Fluorene	15.85	166	1000701	38.60	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.43	232	295084	34.38	ng	98
59) Diethylphthalate	15.61	149	1034785	36.91	ng	98
60) 4-Chlorophenyl-phenylether	15.84	204	582771	36.90	ng	99
61) 4-Nitroaniline	15.88	138	256751	38.43	ng	# 75
62) Azobenzene	16.13	77	1115534	41.60	ng	94
64) 4,6-Dinitro-2-methylphenol	15.92	198	202623	34.75	ng	97
65) n-Nitrosodiphenylamine	16.05	169	934573	41.35	ng	98
66) 4-Bromophenyl-phenylether	16.74	248	379969	37.23	ng	95
67) Hexachlorobenzene	16.86	284	420552	37.90	ng	96
68) Atrazine	17.00	200	374902	37.40	ng	98
69) Pentachlorophenol	17.21	266	228178	31.75	ng	96
70) Phenanthrene	17.60	178	1574543	40.96	ng	99
71) Anthracene	17.69	178	1603600	41.19	ng	100
72) Carbazole	17.96	167	1375344	40.89	ng	98
73) Di-n-butylphthalate	18.50	149	1637177	43.77	ng	99
74) Fluoranthene	19.60	202	1842938	39.06	ng	99
76) Benzidine	19.78	184	914331	37.58	ng	99
77) Pyrene	19.97	202	1946473	40.82	ng	98
79) Butylbenzylphthalate	20.84	149	811326	42.95	ng	96
80) Benzo(a)anthracene	21.84	228	1958297	41.24	ng	98
81) 3,3'-Dichlorobenzidine	21.75	252	811041	38.92	ng	# 97
82) Chrysene	21.91	228	1836743	41.24	ng	99
83) Bis(2-ethylhexyl)phthalate	21.71	149	1116246	42.56	ng	# 99
84) Di-n-octyl phthalate	22.98	149	1892586	43.27	ng	99
85) Indeno(1,2,3-cd)pyrene	29.09	276	1986959	34.99	ng	# 100
87) Benzo(b)fluoranthene	24.16	252	1986022	39.80	ng	99
88) Benzo(k)fluoranthene	24.22	252	1986209	41.94	ng	# 99
89) Benzo(a)pyrene	25.07	252	1929625	40.34	ng	# 98
90) Dibenzo(a,h)anthracene	29.16	278	1680611	35.40	ng	# 95
91) Benzo(g,h,i)perylene	30.29	276	1697789	35.71	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

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BNA_G

ClientSampleId :

SSTDCCC040

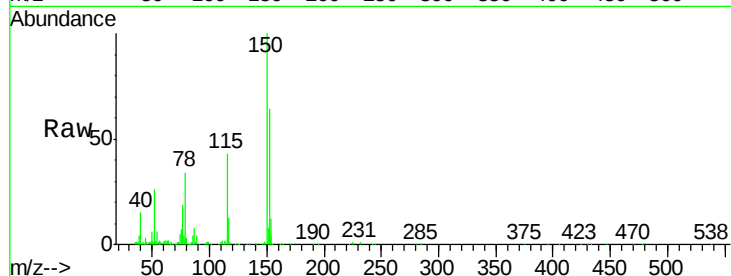
Tgt Ion:152 Resp: 92677

Ion Ratio Lower Upper

152 100

150 156.9 144.7 217.1

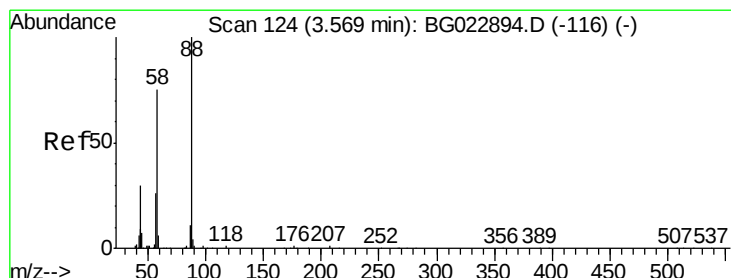
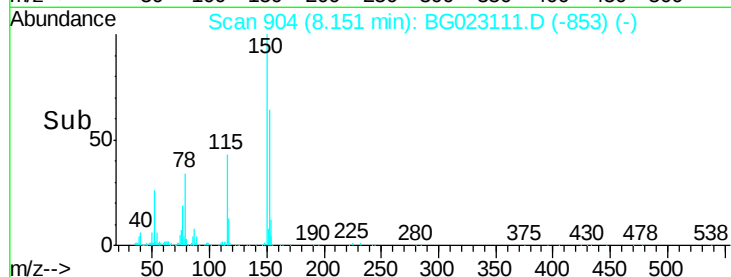
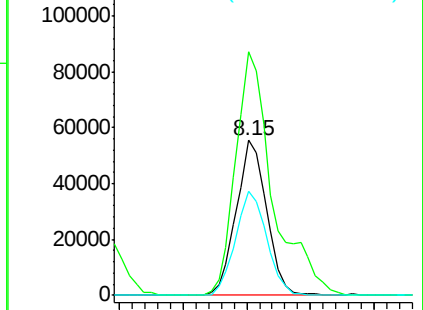
115 66.8 64.0 96.0



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: 43.76 ng

RT: 3.57 min Scan# 125

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

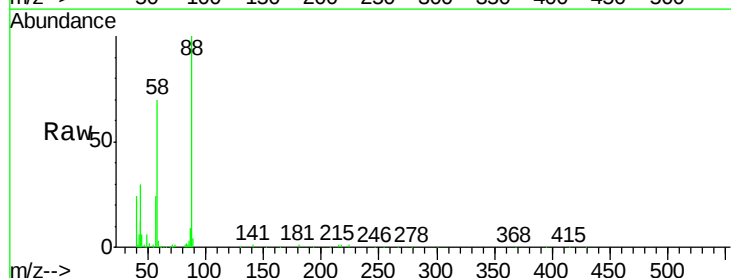
Tgt Ion: 88 Resp: 96381

Ion Ratio Lower Upper

88 100

58 75.2 60.4 90.6

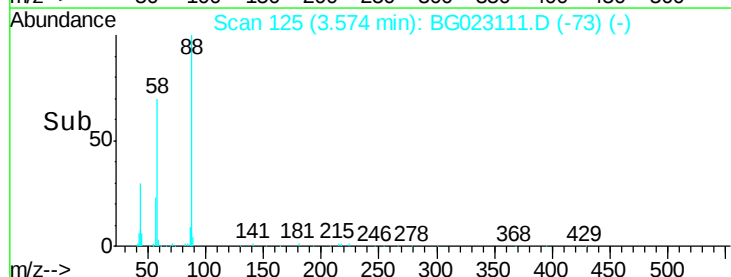
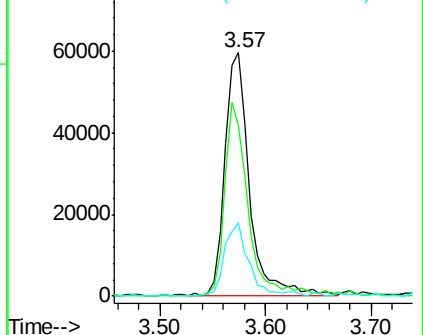
43 30.0 31.1 46.7#

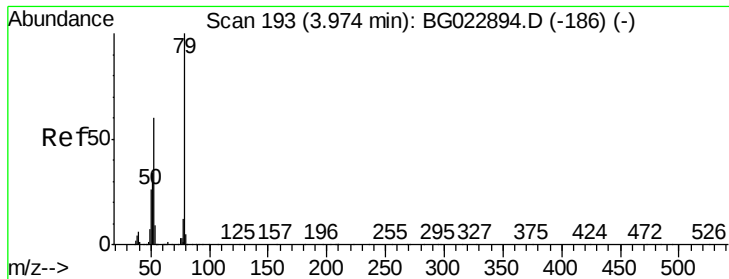


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 41.98 ng

RT: 3.97 min Scan# 193

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

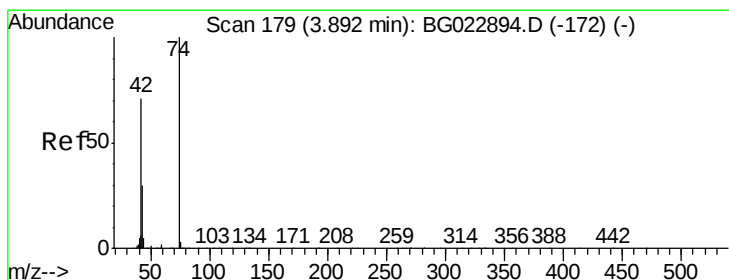
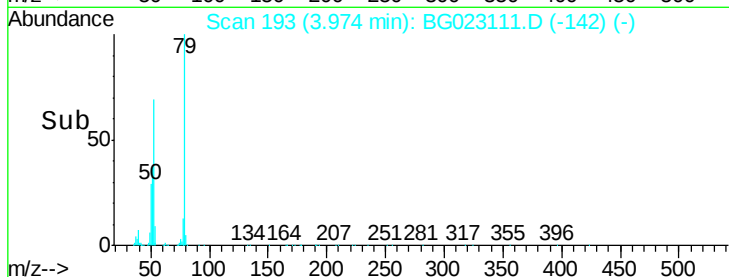
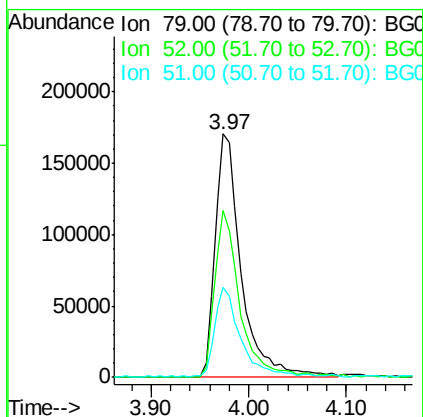
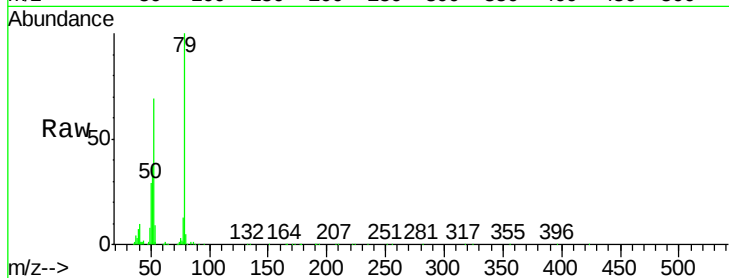
Tgt Ion: 79 Resp: 316390

Ion Ratio Lower Upper

79 100

52 68.6 51.8 77.8

51 37.1 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 41.71 ng

RT: 3.89 min Scan# 179

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

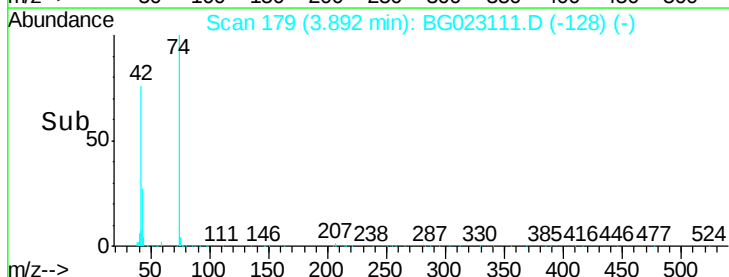
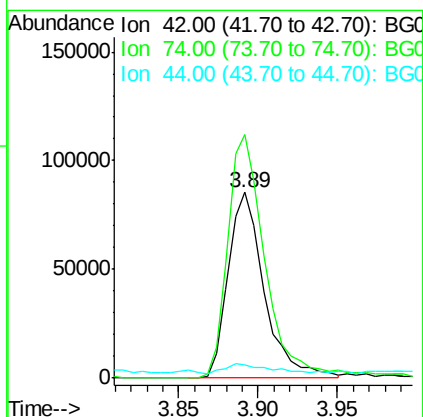
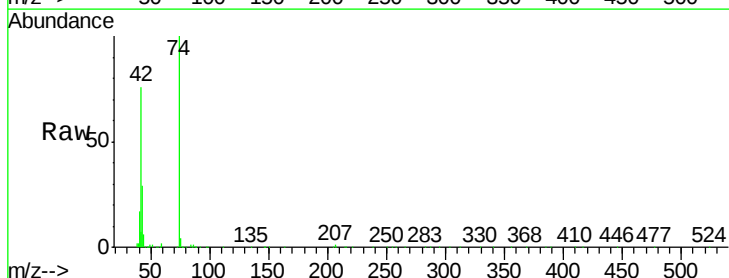
Tgt Ion: 42 Resp: 134884

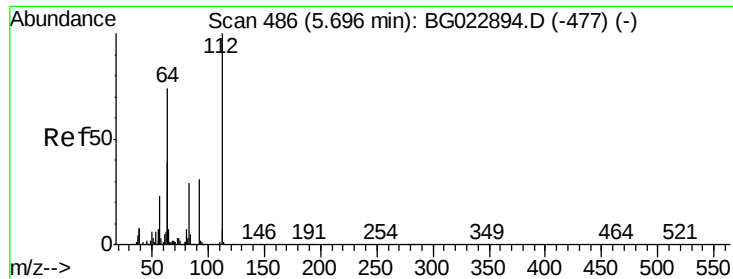
Ion Ratio Lower Upper

42 100

74 131.3 100.6 150.8

44 7.4 4.5 6.7#





#5

2-Fluorophenol

Concen: 81.90 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

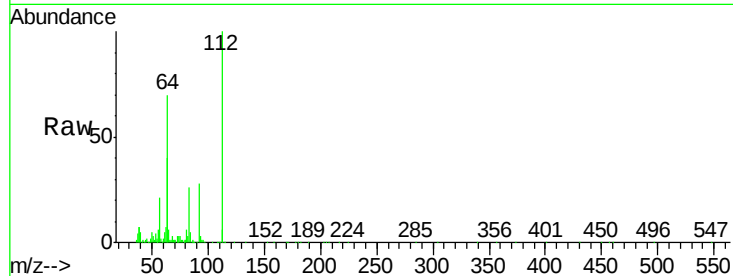
Tgt Ion: 112 Resp: 464098

Ion Ratio Lower Upper

112 100

64 69.9 59.0 88.4

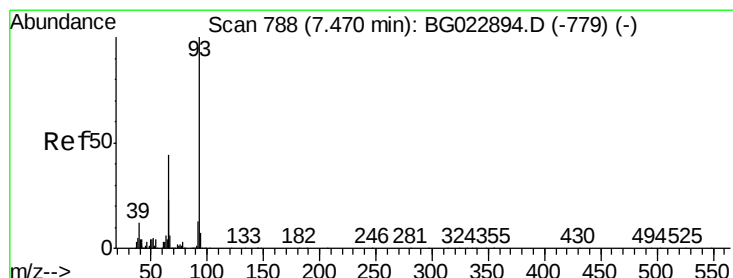
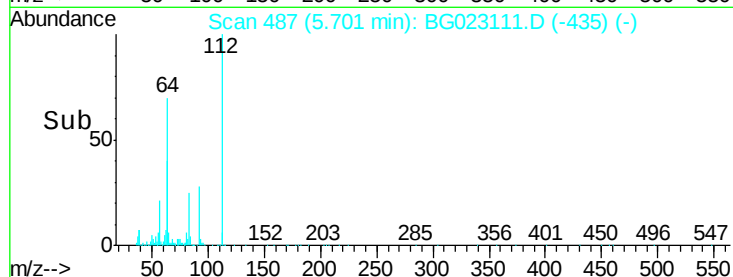
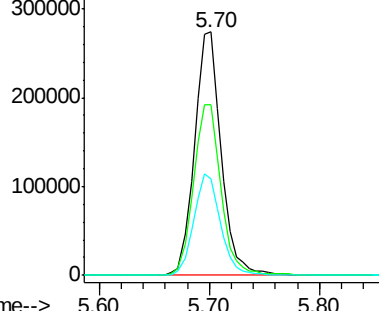
63 39.5 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 40.74 ng

RT: 7.47 min Scan# 788

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

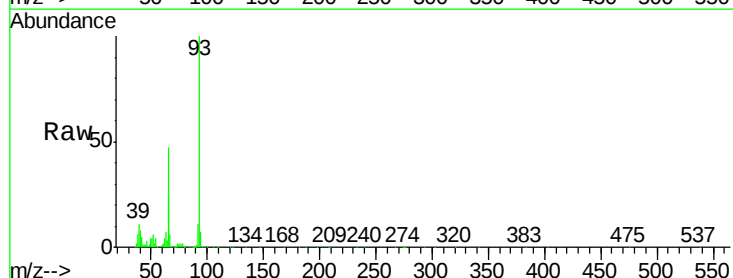
Tgt Ion: 93 Resp: 501068

Ion Ratio Lower Upper

93 100

66 47.0 37.5 56.3

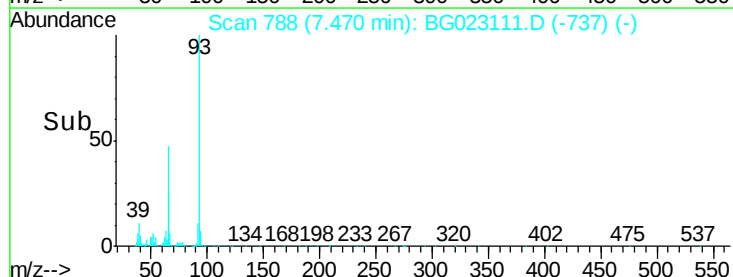
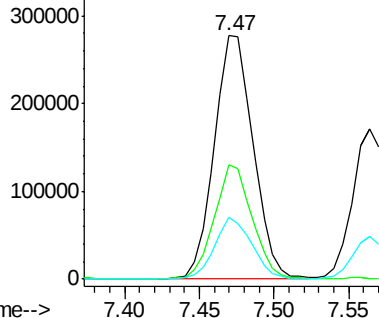
65 25.5 17.9 26.9

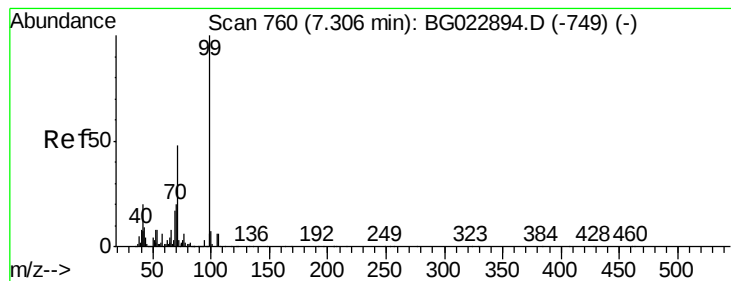


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 83.75 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

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ClientSampleId :

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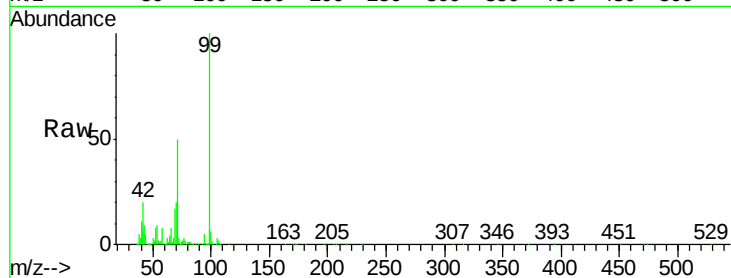
Tgt Ion: 99 Resp: 743302

Ion Ratio Lower Upper

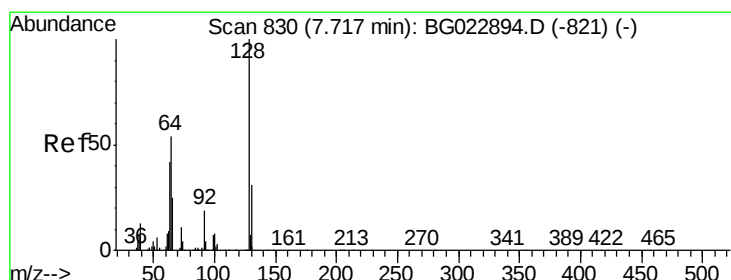
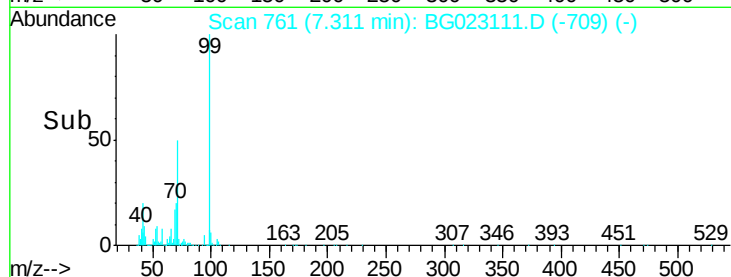
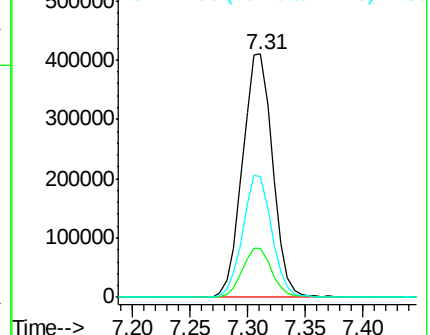
99 100

42 19.9 17.8 26.6

71 49.7 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: 40.66 ng

RT: 7.72 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

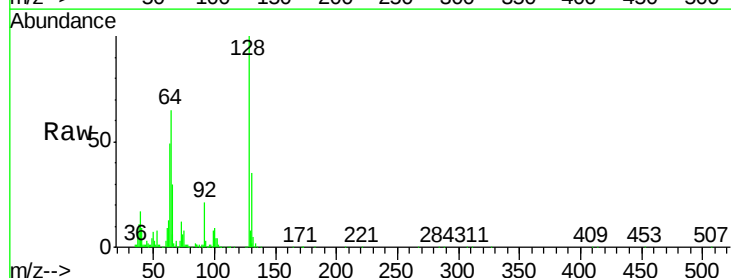
Tgt Ion: 128 Resp: 245178

Ion Ratio Lower Upper

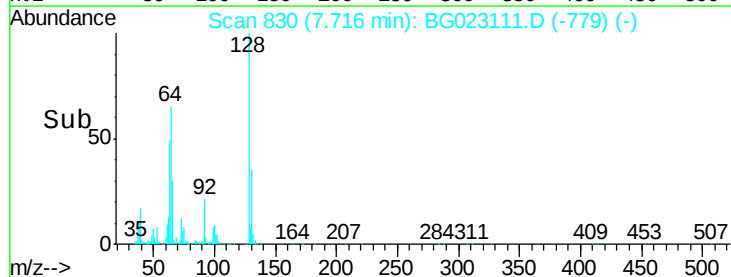
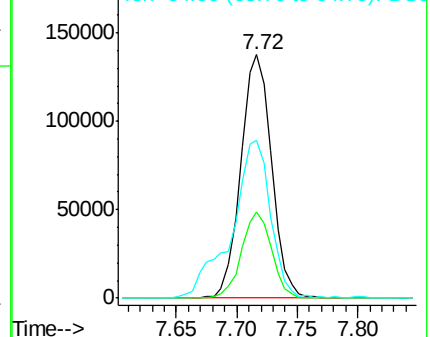
128 100

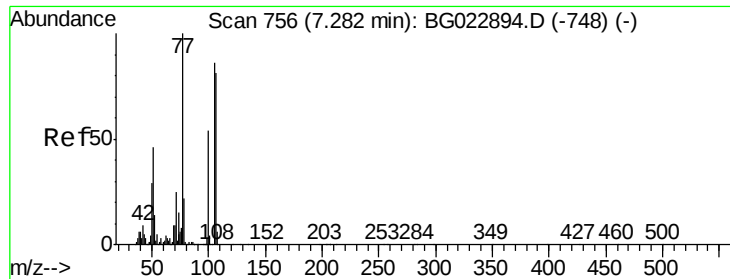
130 35.2 12.9 52.9

64 64.7 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: 40.37 ng

RT: 7.29 min Scan# 757

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

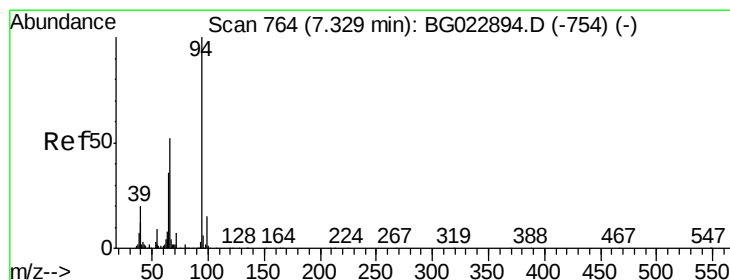
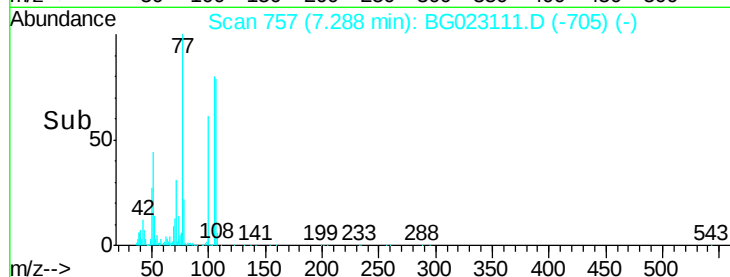
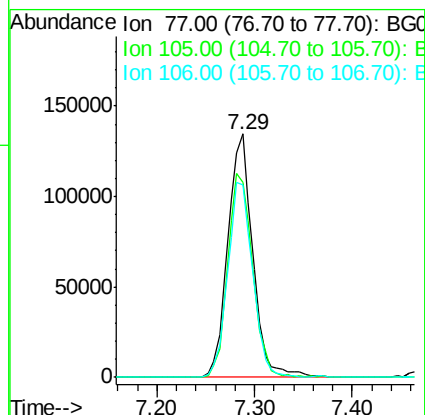
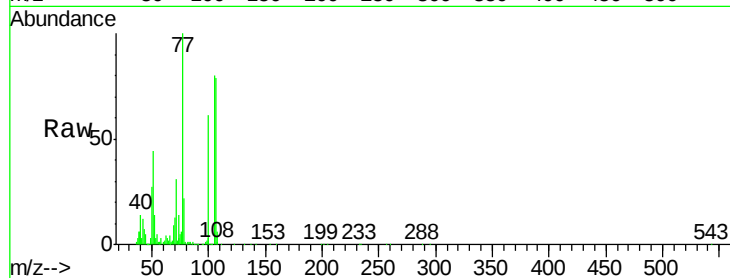
Tgt Ion: 77 Resp: 239407

Ion Ratio Lower Upper

77 100

105 80.0 58.7 98.7

106 78.8 67.5 107.5



#10

Phenol

Concen: 42.24 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

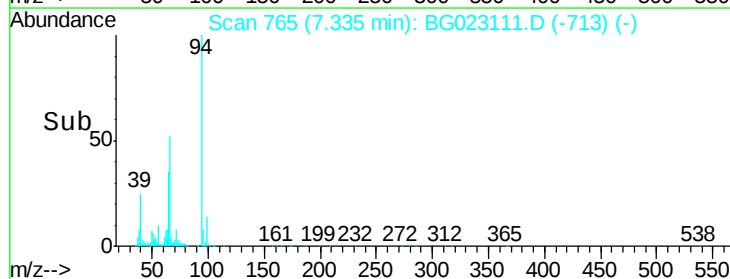
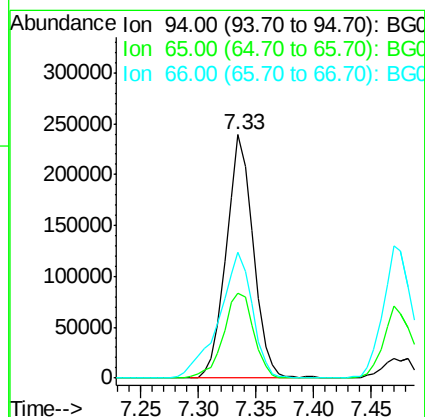
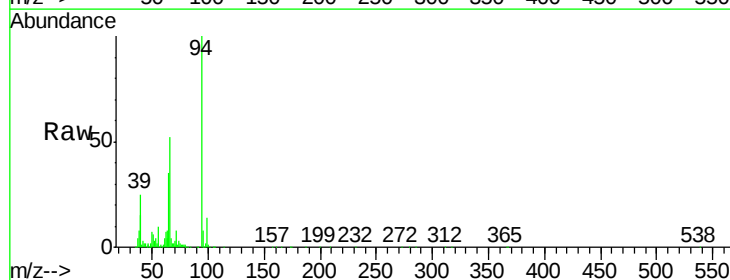
Tgt Ion: 94 Resp: 385677

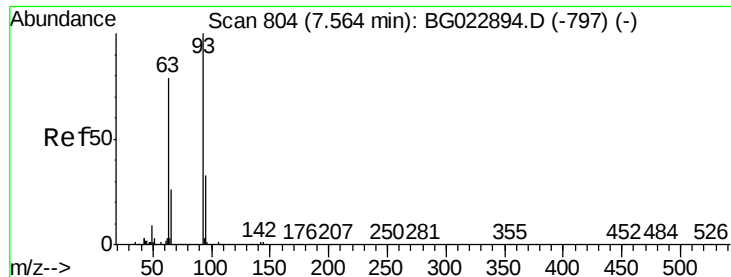
Ion Ratio Lower Upper

94 100

65 34.7 18.1 58.1

66 51.8 42.1 82.1

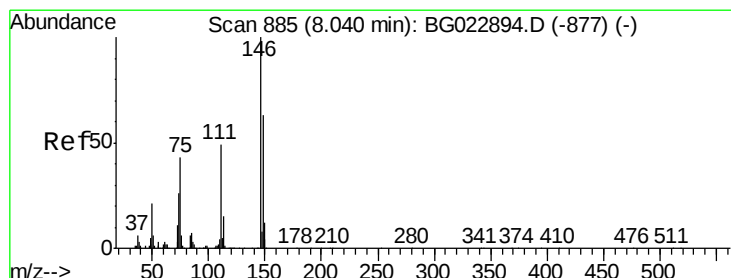
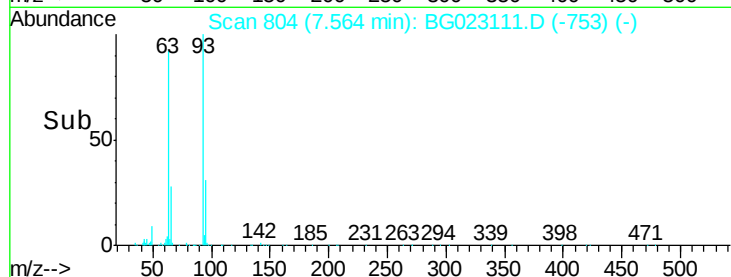
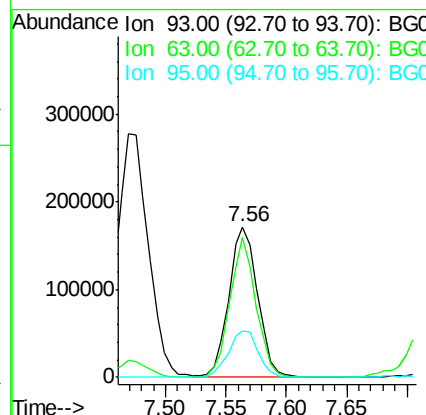
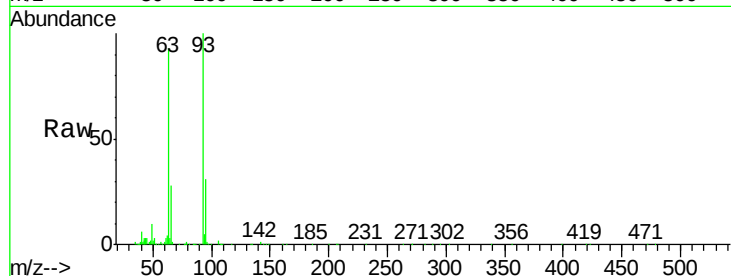




#11
bis(2-Chloroethyl)ether
Concen: 39.11 ng
RT: 7.56 min Scan# 804
Delta R.T. -0.00 min
Lab File: BG023111.D
Acq: 15 Jul 2016 13:09

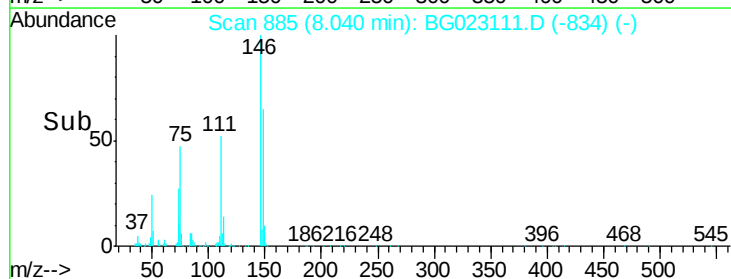
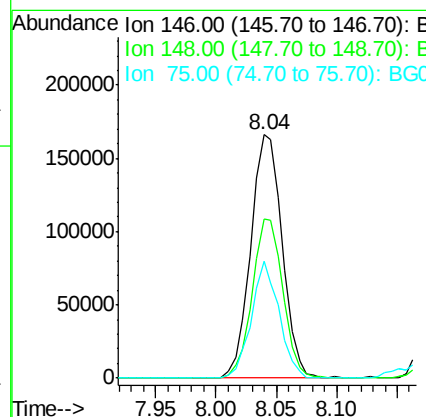
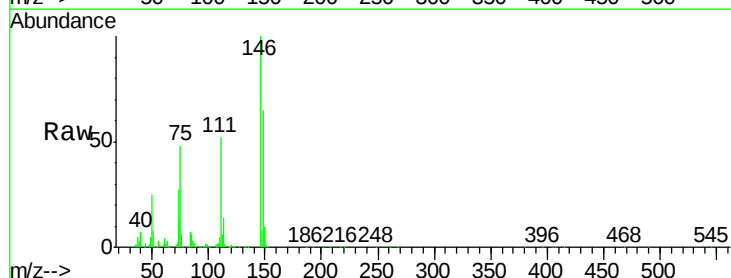
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

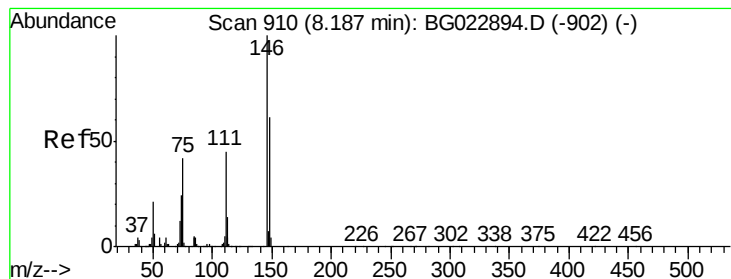
Tgt Ion	Ratio	Lower	Upper
93	100		
63	92.8	55.0	95.0
95	31.3	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 40.86 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.00 min
Lab File: BG023111.D
Acq: 15 Jul 2016 13:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	50.3	75.5
75	47.9	37.0	55.6





#13

1,4-Dichlorobenzene

Concen: 41.04 ng

RT: 8.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

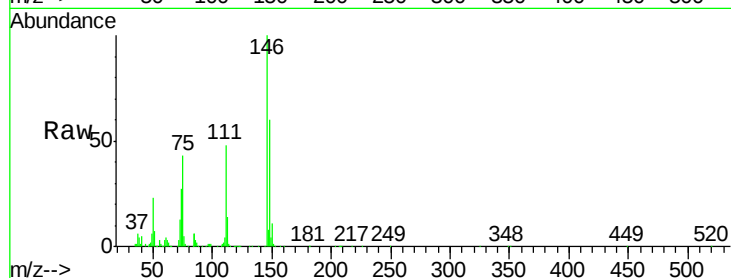
Tgt Ion:146 Resp: 303261

Ion Ratio Lower Upper

146 100

148 59.8 54.5 81.7

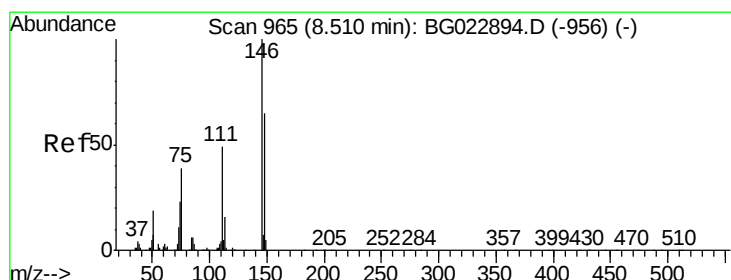
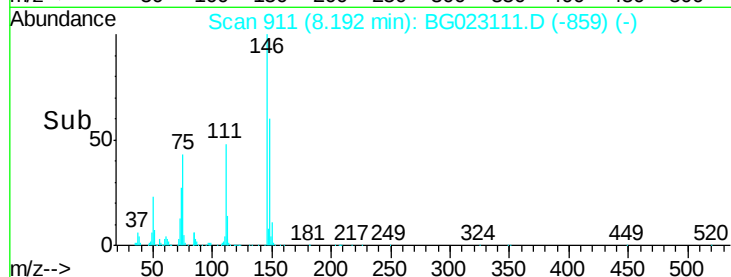
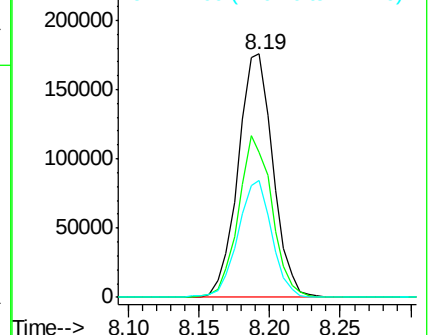
111 47.8 37.8 56.8



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



#14

1,2-Dichlorobenzene

Concen: 39.69 ng

RT: 8.51 min Scan# 965

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

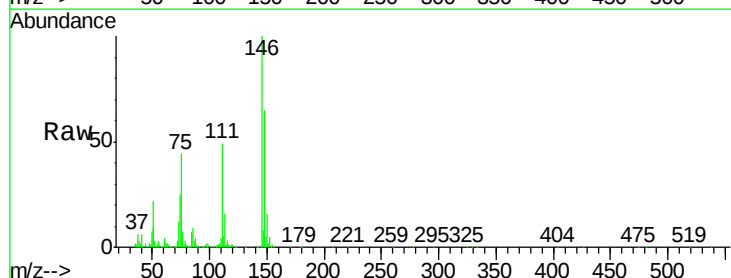
Tgt Ion:146 Resp: 291615

Ion Ratio Lower Upper

146 100

148 65.5 52.9 79.3

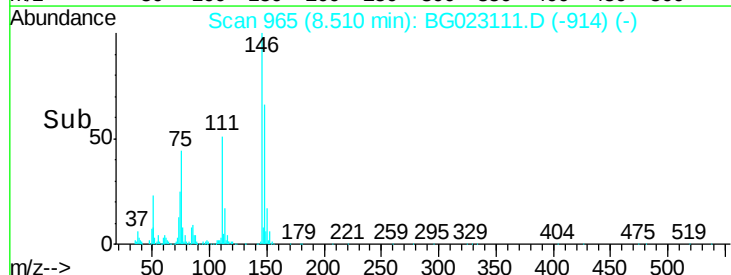
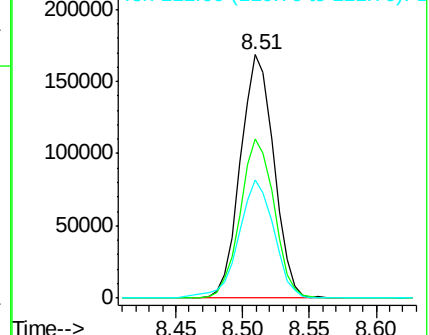
111 48.7 43.5 65.3

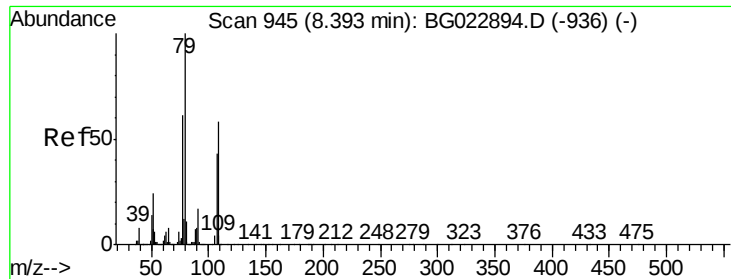


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.56 ng

RT: 8.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

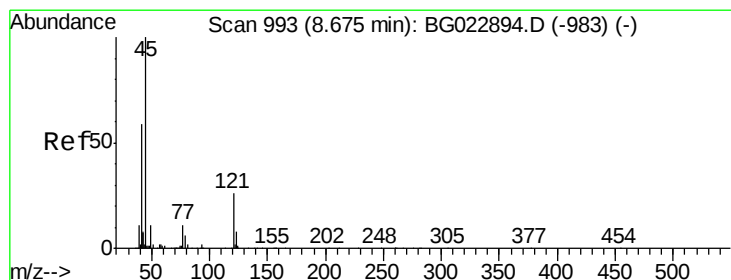
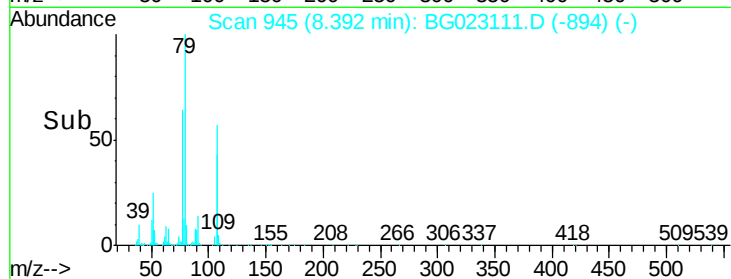
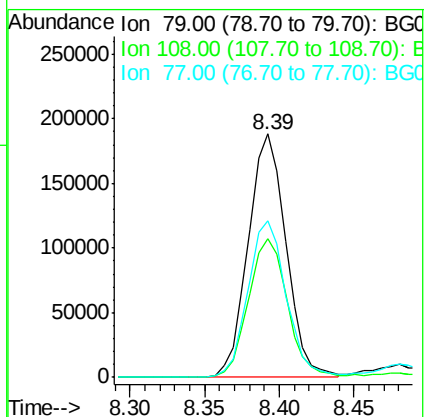
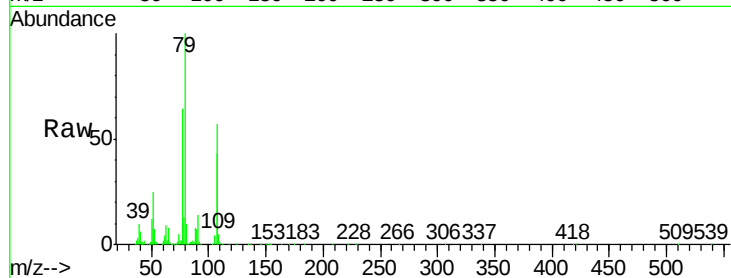
Tgt Ion: 79 Resp: 329699

Ion Ratio Lower Upper

79 100

108 57.1 46.5 69.7

77 64.1 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.52 ng

RT: 8.67 min Scan# 993

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

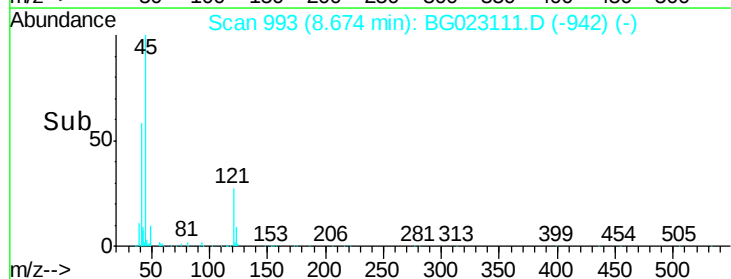
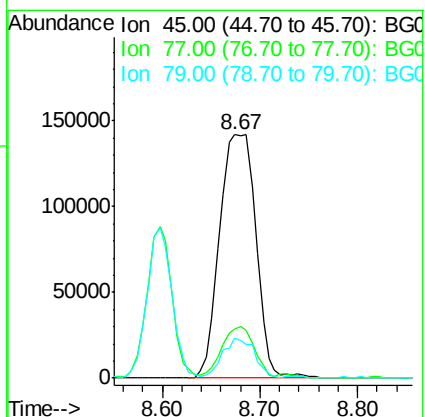
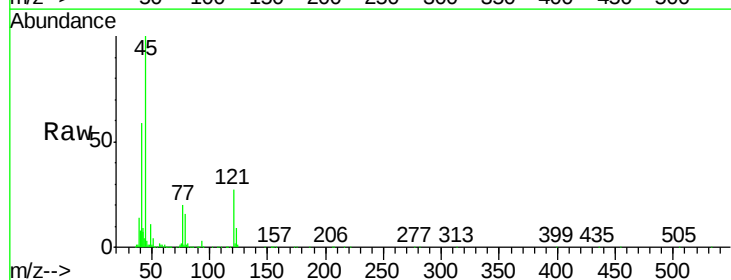
Tgt Ion: 45 Resp: 367065

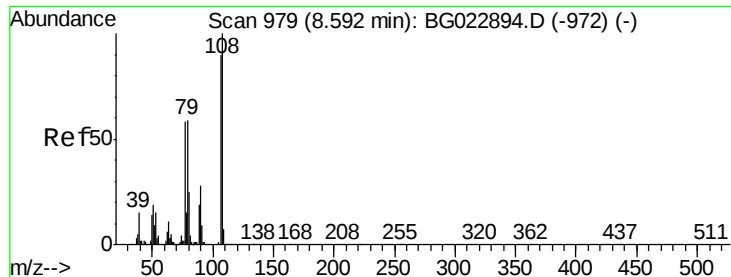
Ion Ratio Lower Upper

45 100

77 20.2 0.6 40.6

79 16.3 0.0 36.2





#17

2-Methylphenol

Concen: 41.10 ng

RT: 8.60 min Scan# 980

Delta R.T. 0.01 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 244306

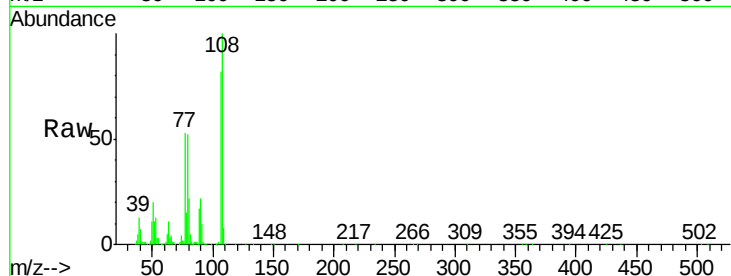
Ion Ratio Lower Upper

107 100

108 122.4 92.0 138.0

77 64.9 55.8 83.6

79 64.2 55.0 82.6

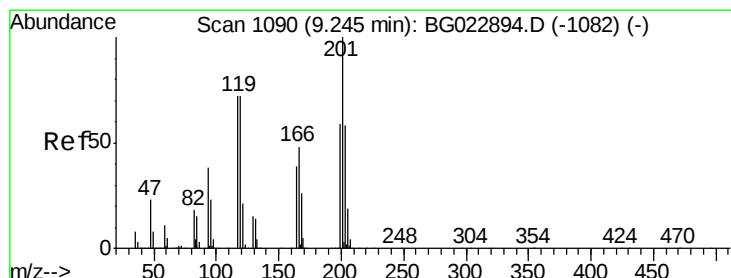
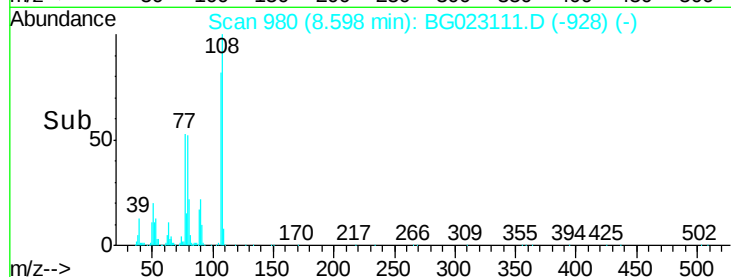
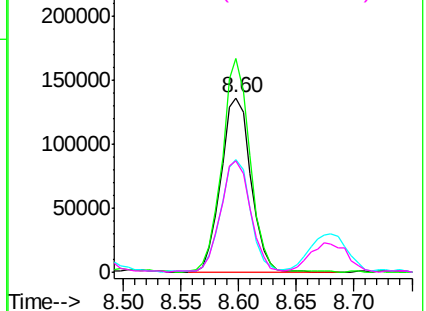


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 39.45 ng

RT: 9.24 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BG023111.D

Acq: 15 Jul 2016 13:09

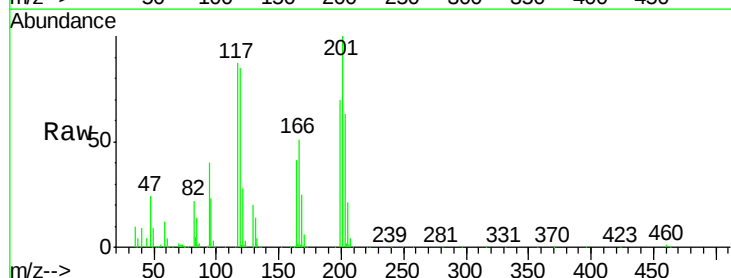
Tgt Ion:117 Resp: 123049

Ion Ratio Lower Upper

117 100

119 98.1 73.7 110.5

201 114.8 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

