

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100616\
 Data File : BG024187.D
 Acq On : 6 Oct 2016 2:02
 Operator : UM/SJ
 Sample : SSTDICC02.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC02.5

Quant Time: Oct 06 07:02:57 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG100616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 06 07:02:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	144610	20.00	ng	0.00
21) Naphthalene-d8	11.13	136	621746	20.00	ng	0.00
38) Acenaphthene-d10	14.92	164	518765	20.00	ng	0.00
63) Phenanthrene-d10	17.66	188	1153156	20.00	ng	0.00
75) Chrysene-d12	21.96	240	1243299	20.00	ng	0.00
86) Perylene-d12	25.42	264	1240051	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.83	112	45250	2.78	ng	0.00
7) Phenol-d6	7.43	99	56787	2.38	ng	0.00
23) Nitrobenzene-d5	9.47	82	64005	2.59	ng	0.00
41) 2,4,6-Tribromophenol	16.40	330	32304	2.52	ng	0.00
44) 2-Fluorobiphenyl	13.55	172	163931	2.93	ng	0.00
78) Terphenyl-d14	20.24	244	269047	3.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.70	88	8951	2.87	ng	# 81
3) Pyridine	4.13	79	17098	1.90	ng	# 83
4) n-Nitrosodimethylamine	4.03	42	12996	2.17	ng	# 89
6) Aniline	7.62	93	43160	2.59	ng	# 86
8) 2-Chlorophenol	7.87	128	22742	2.45	ng	94
9) Benzaldehyde	7.44	77	16493	2.59	ng	90
10) Phenol	7.46	94	34514	2.59	ng	88
11) bis(2-Chloroethyl)ether	7.71	93	24716	2.46	ng	92
12) 1,3-Dichlorobenzene	8.19	146	26930	2.59	ng	94
13) 1,4-Dichlorobenzene	8.19	146	26930	2.57	ng	89
14) 1,2-Dichlorobenzene	8.66	146	28006	2.78	ng	88
15) Benzyl Alcohol	8.53	79	24857	2.23	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	8.83	45	54128	2.57	ng	95
17) 2-Methylphenol	8.73	107	20255	2.37	ng	# 89
18) Hexachloroethane	9.40	117	9647	2.28	ng	# 75
19) n-Nitroso-di-n-propylamine	9.11	70	22205	2.18	ng	# 81
20) 3+4-Methylphenols	9.05	107	30839	2.62	ng	94
22) Acetophenone	9.14	105	37215	2.41	ng	# 94
24) Nitrobenzene	9.52	77	34988	2.54	ng	# 92
25) Isophorone	10.04	82	62087	2.41	ng	# 95
26) 2-Nitrophenol	10.24	139	11920	2.42	ng	# 68
27) 2,4-Dimethylphenol	10.27	122	28728	2.77	ng	# 69
28) bis(2-Chloroethoxy)methane	10.53	93	33551	2.43	ng	92
29) 2,4-Dichlorophenol	10.77	162	27350	2.77	ng	93
30) 1,2,4-Trichlorobenzene	10.98	180	29401	2.65	ng	87
31) Naphthalene	11.18	128	82806	2.86	ng	99
32) Benzoic acid	10.32	122	12165	1.58	ng	# 70
33) 4-Chloroaniline	11.28	127	37533	2.81	ng	95
34) Hexachlorobutadiene	11.46	225	20982	2.51	ng	95
35) Caprolactam	12.05	113	6206	1.74	ng	# 85
36) 4-Chloro-3-methylphenol	12.37	107	34103	2.64	ng	# 93
37) 2-Methylnaphthalene	12.77	142	57195	2.66	ng	94
39) 1,2,4,5-Tetrachlorobenzene	13.12	216	35978	2.36	ng	# 92
40) Hexachlorocyclopentadiene	13.11	237	22867	2.23	ng	93

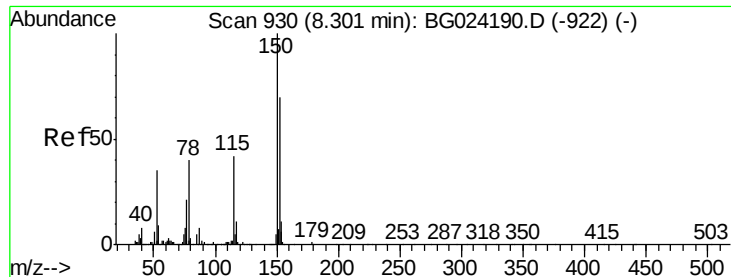
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100616\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.35	196	24178	2.42	ng	# 88
43) 2,4,5-Trichlorophenol	13.42	196	26161	2.57	ng	# 93
45) 1,1'-Biphenyl	13.76	154	91292	2.69	ng	91
46) 2-Chloronaphthalene	13.81	162	67480	2.60	ng	99
47) 2-Nitroaniline	14.00	65	21249	2.21	ng	96
48) Acenaphthylene	14.65	152	109959	2.75	ng	# 93
49) Dimethylphthalate	14.36	163	95758	2.74	ng	99
50) 2,6-Dinitrotoluene	14.49	165	16701	2.36	ng	# 77
51) Acenaphthene	14.98	154	74093	2.65	ng	89
52) 3-Nitroaniline	14.82	138	16170	2.38	ng	# 96
53) 2,4-Dinitrophenol	15.01	184	7725	1.80	ng	# 63
54) Dibenzofuran	15.31	168	109863	2.83	ng	# 91
55) 4-Nitrophenol	15.09	139	12908	2.04	ng	93
56) 2,4-Dinitrotoluene	15.26	165	22407	2.29	ng	# 81
57) Fluorene	15.96	166	92178	2.79	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.53	232	23347	2.44	ng	93
59) Diethylphthalate	15.71	149	100851	2.77	ng	98
60) 4-Chlorophenyl-phenylether	15.94	204	50991	2.69	ng	93
61) 4-Nitroaniline	15.97	138	18667	2.53	ng	# 83
62) Azobenzene	16.24	77	94799	2.59	ng	97
64) 4,6-Dinitro-2-methylphenol	16.01	198	14455	2.23	ng	86
65) n-Nitrosodiphenylamine	16.16	169	88187	2.78	ng	94
66) 4-Bromophenyl-phenylether	16.84	248	34768	2.71	ng	86
67) Hexachlorobenzene	16.95	284	42169	2.88	ng	93
68) Atrazine	17.09	200	29056	2.61	ng	93
69) Pentachlorophenol	17.30	266	19537	2.08	ng	# 87
70) Phenanthrene	17.79	178	162308	3.03	ng	94
71) Anthracene	17.79	178	162308	3.01	ng	97
72) Carbazole	18.05	167	141785	2.91	ng	95
73) Di-n-butylphthalate	18.59	149	153134	2.74	ng	# 92
74) Fluoranthene	19.69	202	185786	3.09	ng	95
76) Benzidine	19.86	184	58440	2.05	ng	# 96
77) Pyrene	20.05	202	195846	3.15	ng	# 93
79) Butylbenzylphthalate	20.93	149	68991	2.47	ng	91
80) Benzo(a)anthracene	22.01	228	187890	2.89	ng	94
81) 3,3'-Dichlorobenzidine	21.84	252	73181	2.75	ng	# 91
82) Chrysene	22.01	228	187890	3.02	ng	92
83) Bis(2-ethylhexyl)phthalate	21.82	149	105453	2.73	ng	96
84) Di-n-octyl phthalate	23.12	149	184441	2.91	ng	99
85) Indeno(1,2,3-cd)pyrene	29.38	276	198544	2.64	ng	# 74
87) Benzo(b)fluoranthene	24.31	252	185590	2.85	ng	99
88) Benzo(k)fluoranthene	24.39	252	183542	2.84	ng	92
89) Benzo(a)pyrene	25.26	252	181967	2.88	ng	# 88
90) Dibenzo(a,h)anthracene	29.46	278	178616	2.82	ng	# 97
91) Benzo(g,h,i)perylene	30.63	276	170652	2.74	ng	# 87

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.31 min Scan# 930

Delta R.T. 0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

Instrument :

BNA_G

ClientSampleId :

SSTDIC02.5

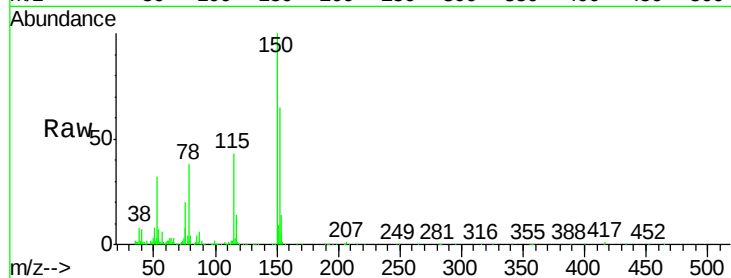
Tgt Ion:152 Resp: 144610

Ion Ratio Lower Upper

152 100

150 154.3 114.0 171.0

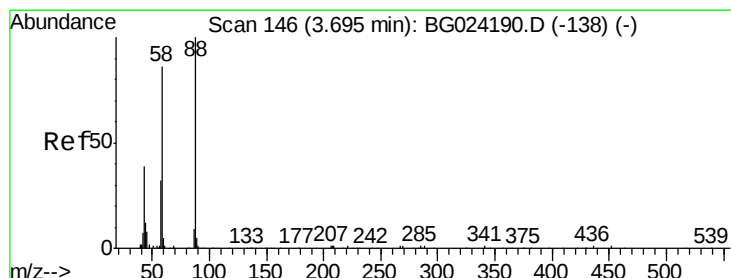
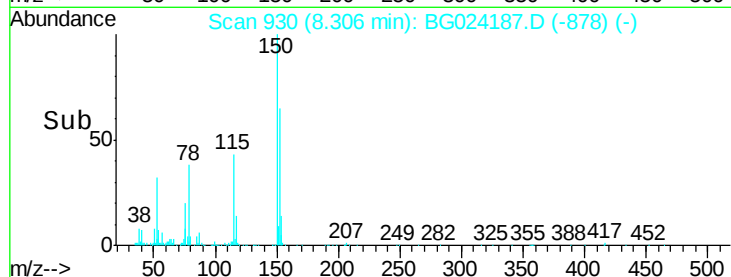
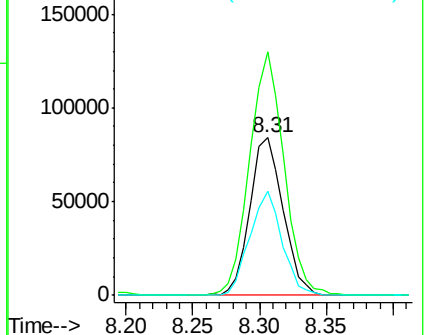
115 65.6 48.1 72.1



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: 2.87 ng

RT: 3.70 min Scan# 146

Delta R.T. 0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

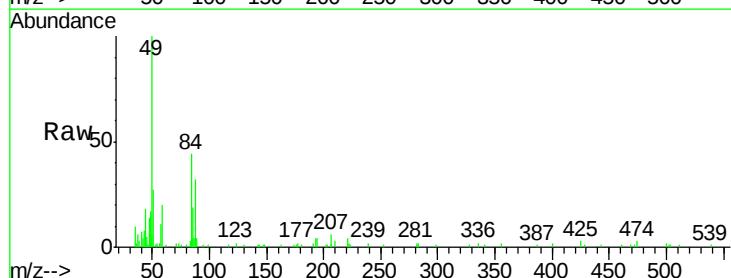
Tgt Ion: 88 Resp: 8951

Ion Ratio Lower Upper

88 100

58 88.2 79.4 119.2

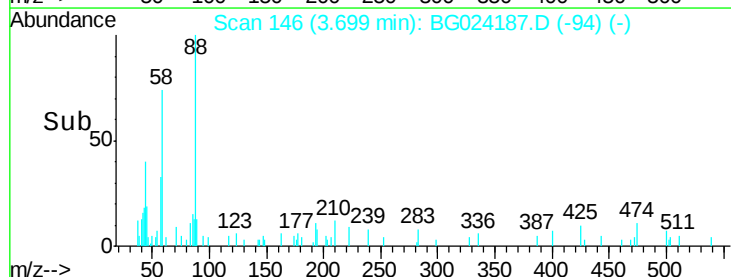
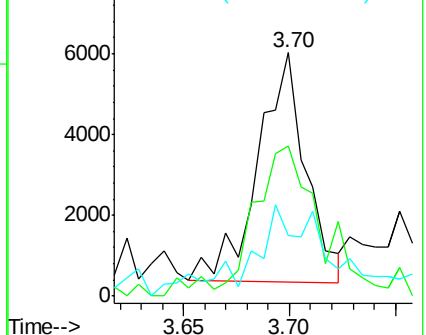
43 66.4 33.8 50.6#

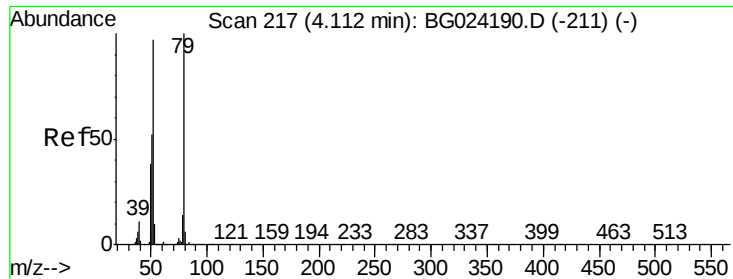


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

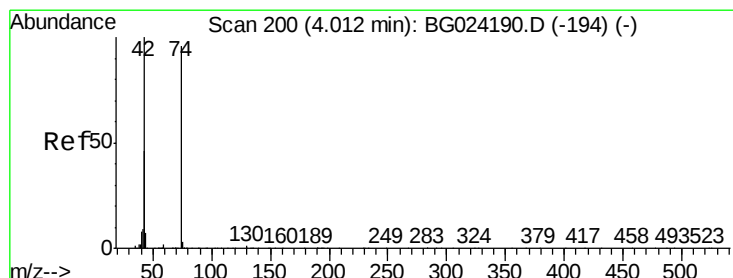
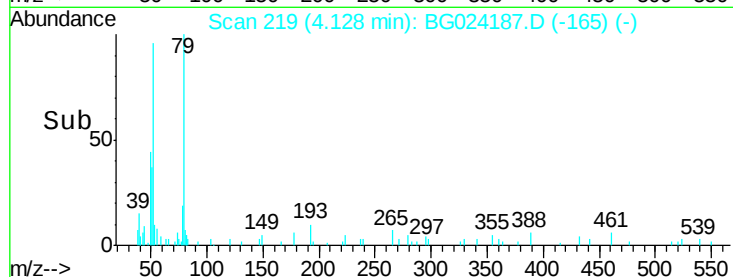
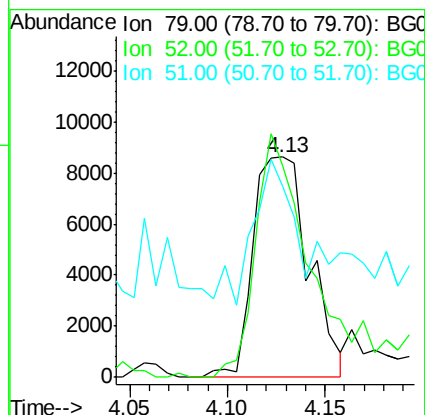
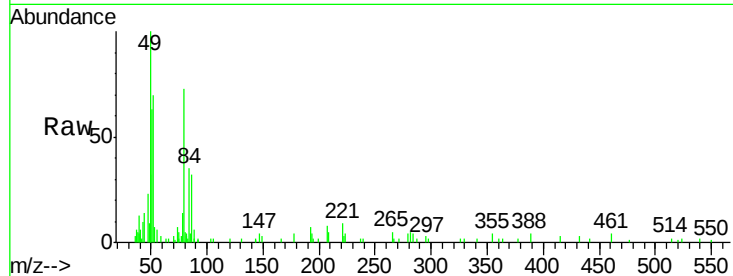




#3
Pyridine
Concen: 1.90 ng
RT: 4.13 min Scan# 219
Delta R.T. 0.02 min
Lab File: BG024187.D
Acq: 6 Oct 2016 2:02

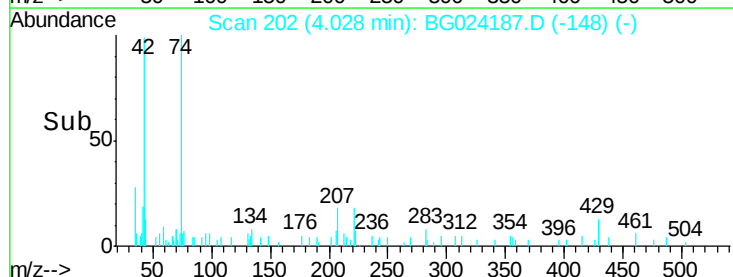
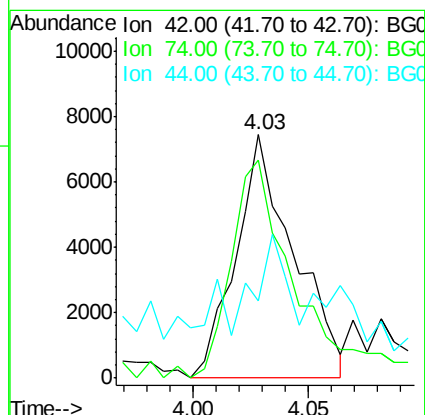
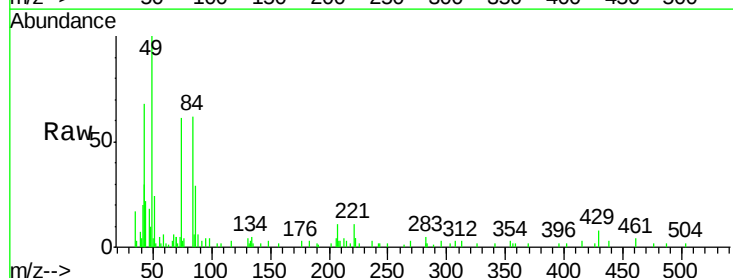
Instrument :
BNA_G
ClientSampleId :
SSTDIC02.5

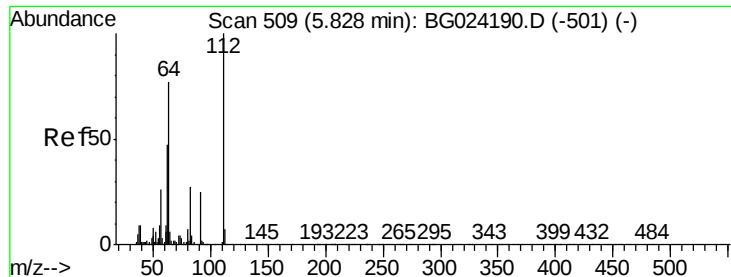
Tgt Ion: 79 Resp: 17098
Ion Ratio Lower Upper
79 100
52 96.1 77.8 116.6
51 87.1 43.2 64.8#



#4
n-Nitrosodimethylamine
Concen: 2.17 ng
RT: 4.03 min Scan# 202
Delta R.T. 0.02 min
Lab File: BG024187.D
Acq: 6 Oct 2016 2:02

Tgt Ion: 42 Resp: 12996
Ion Ratio Lower Upper
42 100
74 89.3 76.7 115.1
44 31.9 6.1 9.1#





#5

2-Fluorophenol

Concen: 2.78 ng

RT: 5.83 min Scan# 508

Delta R.T. -0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

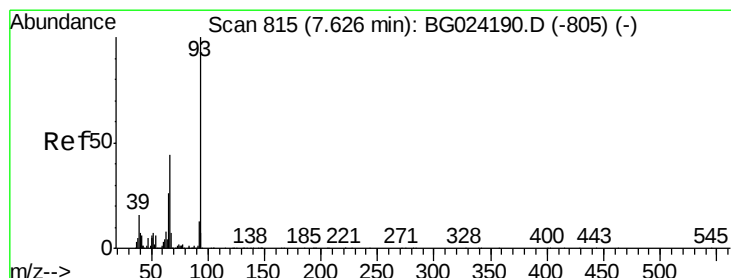
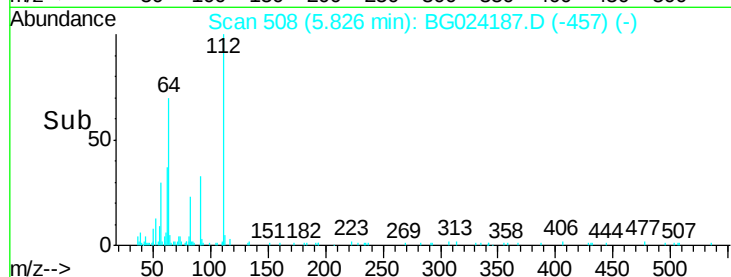
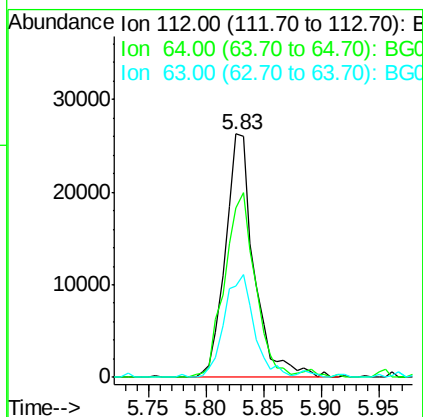
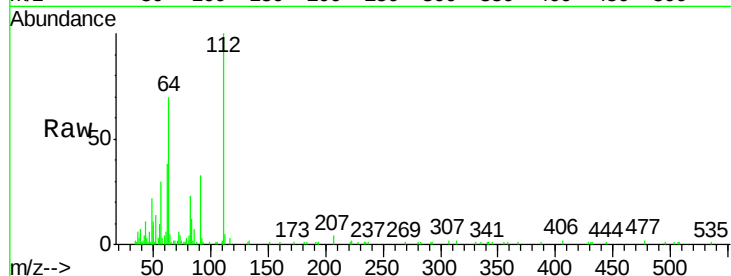
Instrument :

BNA_G

ClientSampleId :

SSTDICC02.5

Tgt Ion:	112	Resp:	45250
Ion	Ratio	Lower	Upper
112	100		
64	69.6	61.8	92.6
63	37.6	37.2	55.8



#6

Aniline

Concen: 2.59 ng

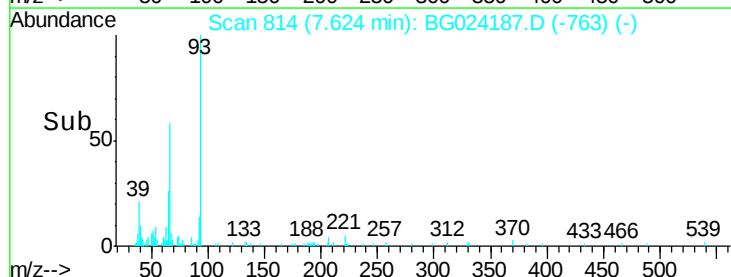
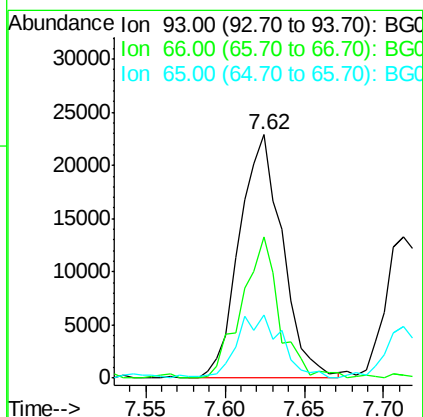
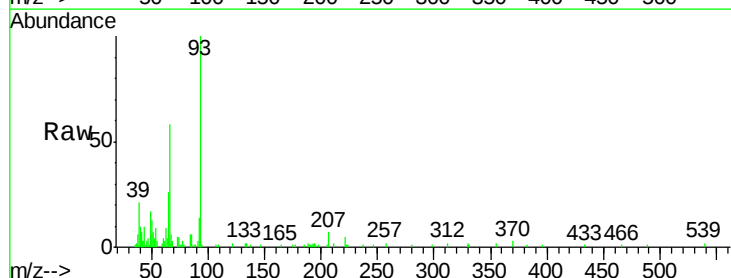
RT: 7.62 min Scan# 814

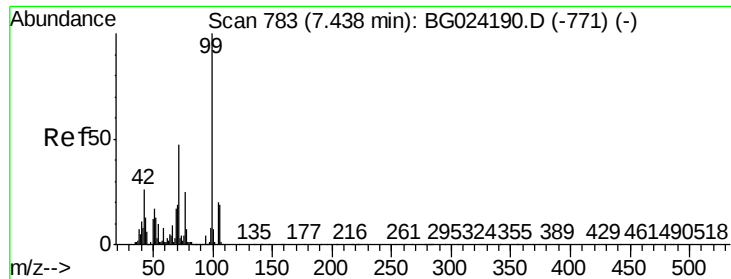
Delta R.T. -0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

Tgt Ion:	93	Resp:	43160
Ion	Ratio	Lower	Upper
93	100		
66	58.1	35.4	53.2#
65	25.9	21.2	31.8





#7

Phenol-d6

Concen: 2.38 ng

RT: 7.43 min Scan# 781

Delta R.T. -0.01 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC02.5

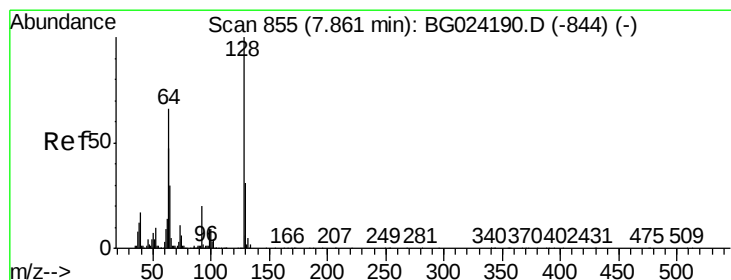
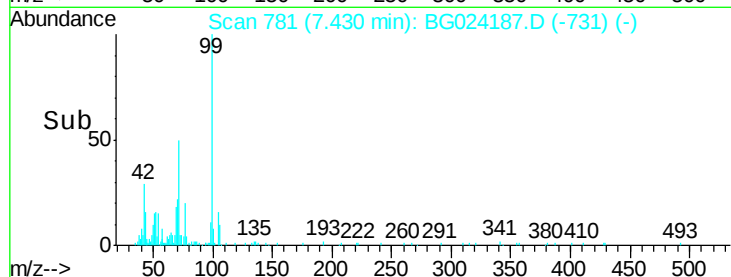
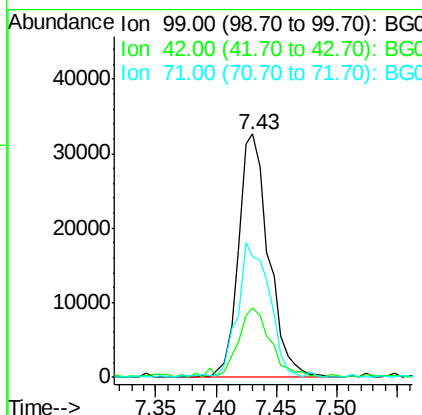
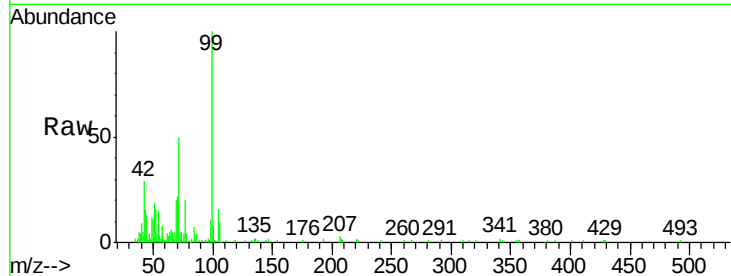
Tgt Ion: 99 Resp: 56787

Ion Ratio Lower Upper

99 100

42 28.7 20.5 30.7

71 49.8 37.6 56.4



#8

2-Chlorophenol

Concen: 2.45 ng

RT: 7.87 min Scan# 855

Delta R.T. 0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

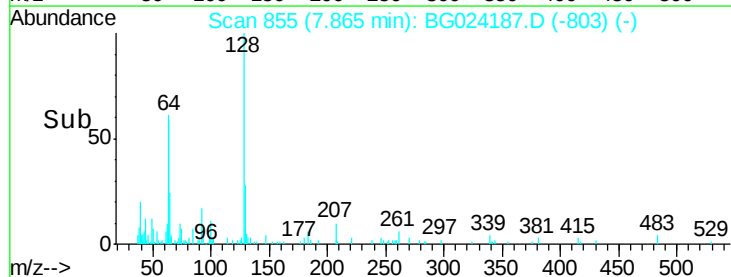
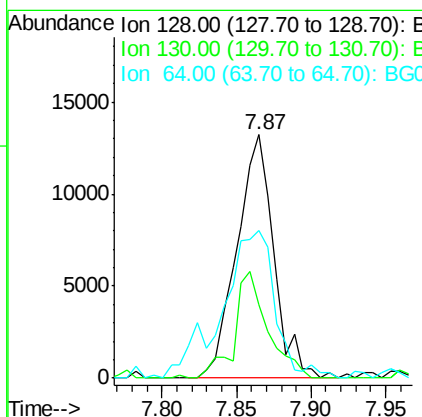
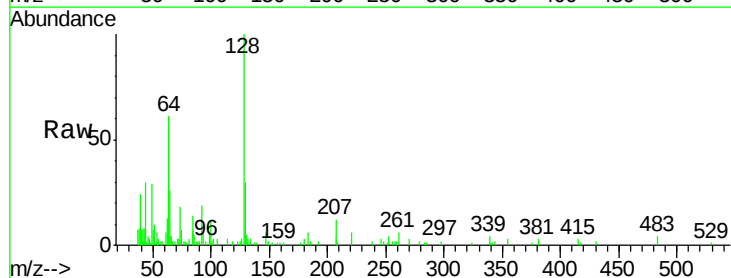
Tgt Ion: 128 Resp: 22742

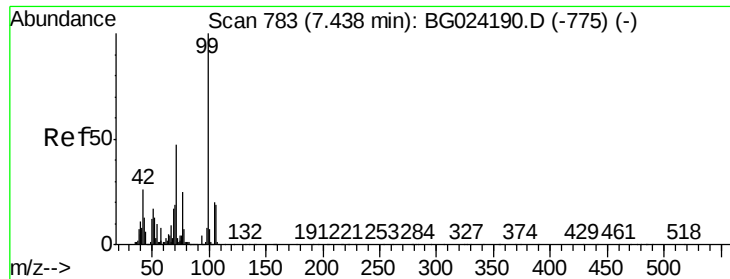
Ion Ratio Lower Upper

128 100

130 30.3 11.4 51.4

64 60.8 46.6 86.6





#9

Benzaldehyde

Concen: 2.59 ng

RT: 7.44 min Scan# 782

Delta R.T. -0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC02.5

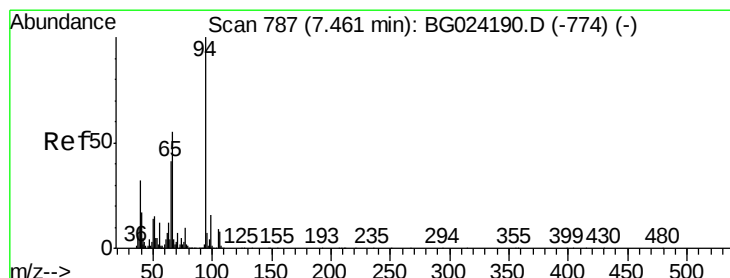
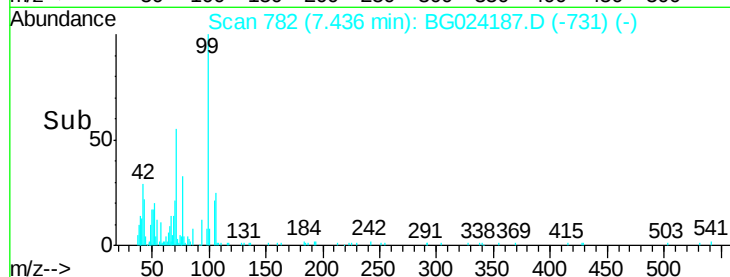
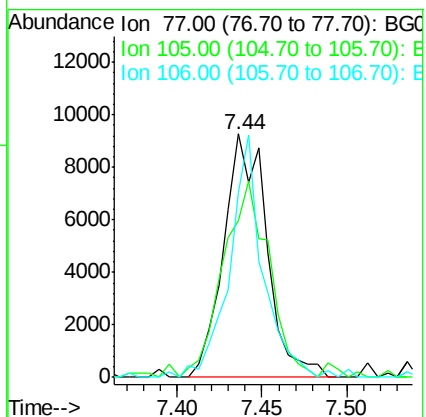
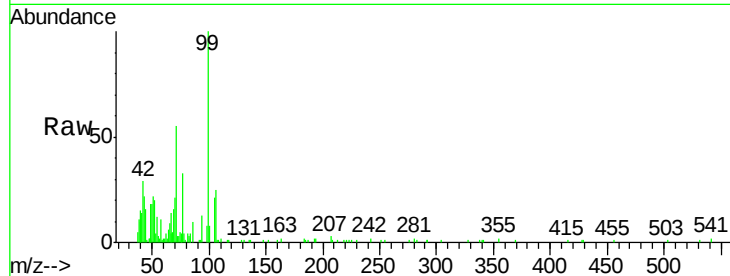
Tgt Ion: 77 Resp: 16493

Ion Ratio Lower Upper

77 100

105 64.2 60.9 100.9

106 75.9 55.1 95.1



#10

Phenol

Concen: 2.59 ng

RT: 7.46 min Scan# 786

Delta R.T. -0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

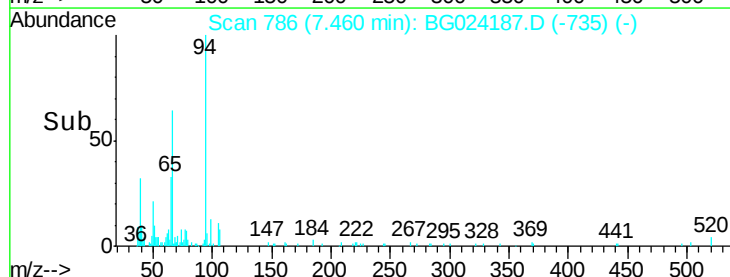
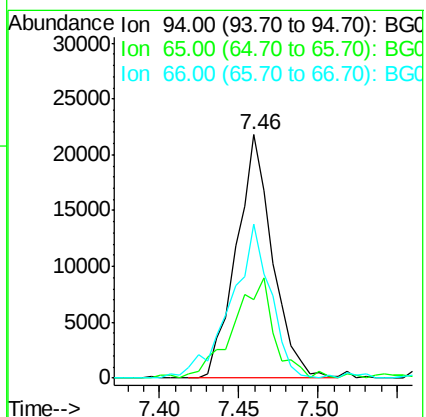
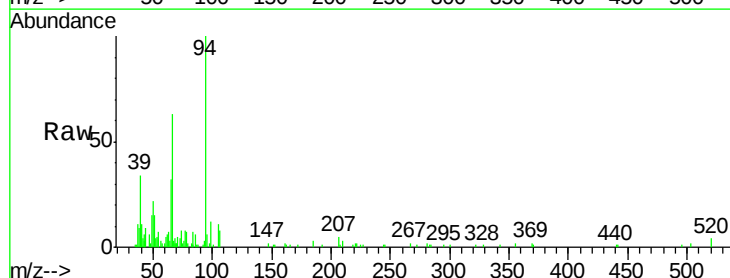
Tgt Ion: 94 Resp: 34514

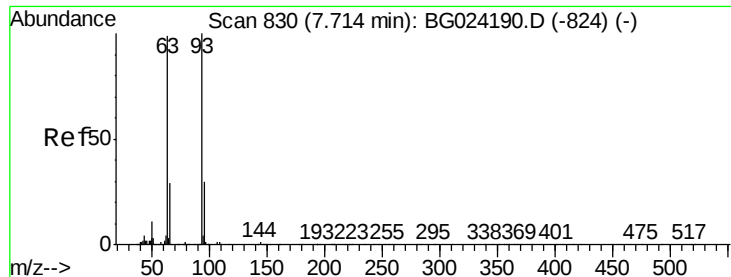
Ion Ratio Lower Upper

94 100

65 32.4 20.6 60.6

66 63.0 35.5 75.5

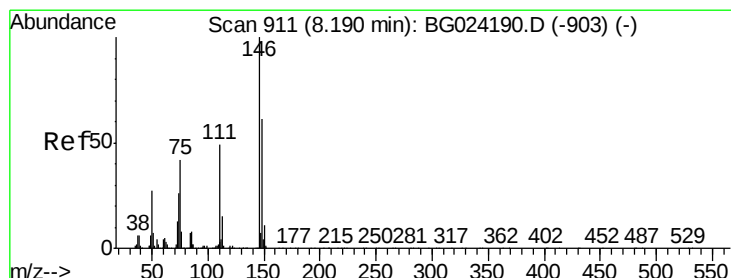
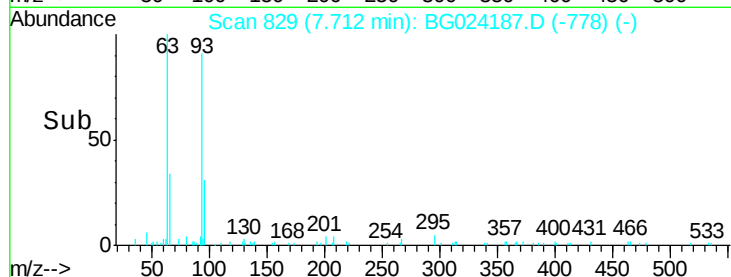
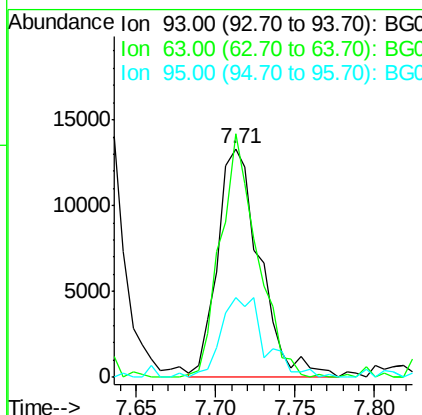
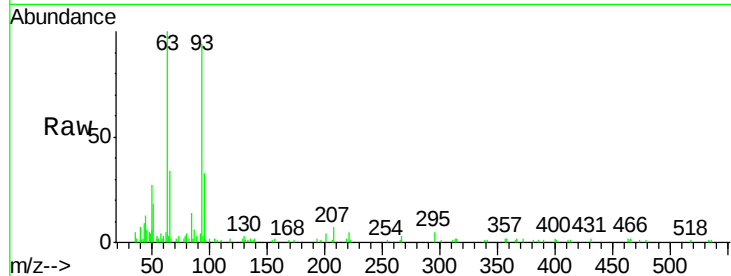




#11
bis(2-Chloroethyl)ether
Concen: 2.46 ng
RT: 7.71 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG024187.D
Acq: 6 Oct 2016 2:02

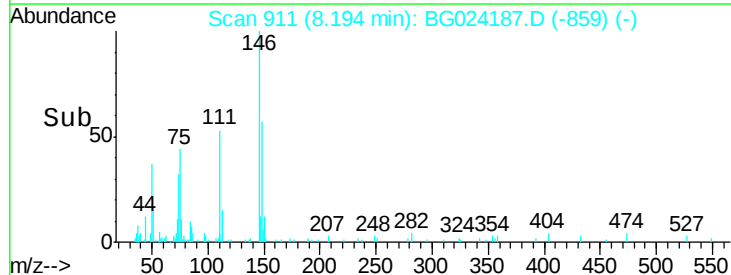
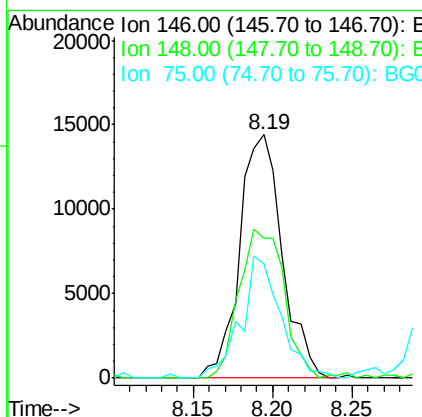
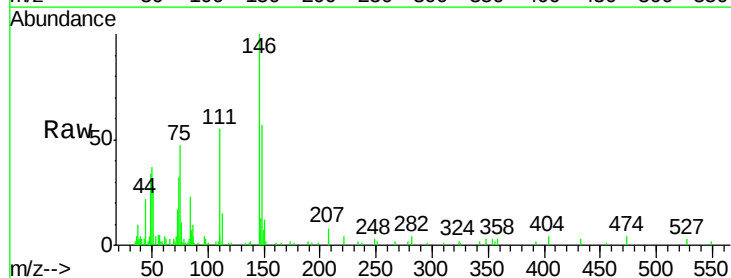
Instrument :
BNA_G
ClientSampleId :
SSTDICC02.5

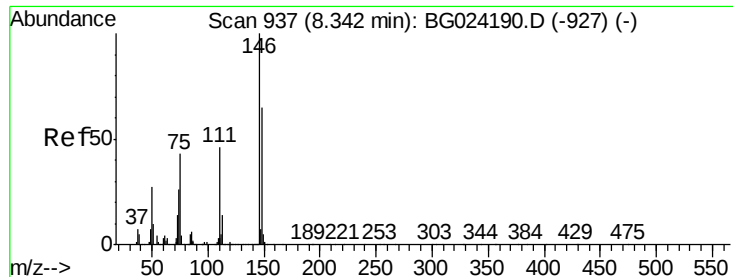
Tgt Ion	Ratio	Lower	Upper
93	100		
63	106.6	78.5	118.5
95	35.0	9.8	49.8



#12
1,3-Dichlorobenzene
Concen: 2.59 ng
RT: 8.19 min Scan# 911
Delta R.T. 0.00 min
Lab File: BG024187.D
Acq: 6 Oct 2016 2:02

Tgt Ion	Ratio	Lower	Upper
146	100		
148	57.5	49.2	73.8
75	46.8	33.4	50.2





#13

1,4-Dichlorobenzene

Concen: 2.57 ng

RT: 8.19 min Scan# 911

Delta R.T. -0.15 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC02.5

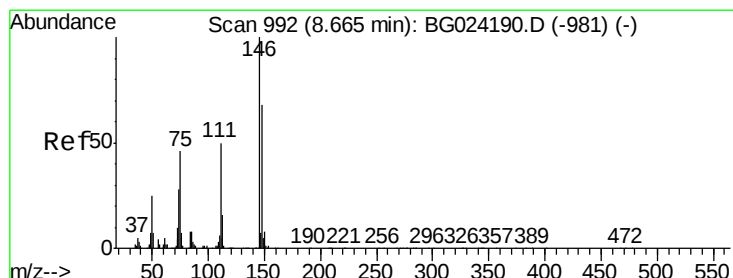
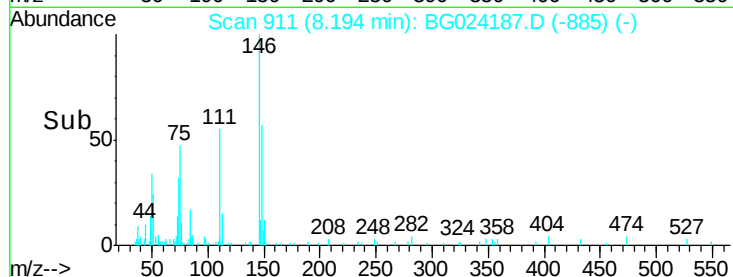
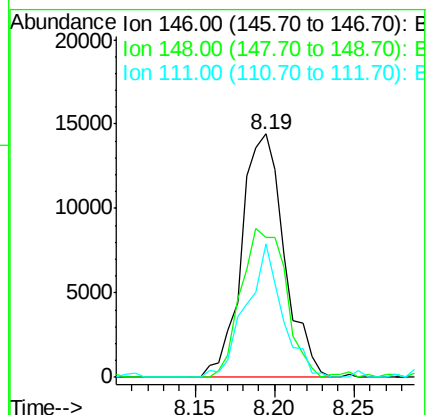
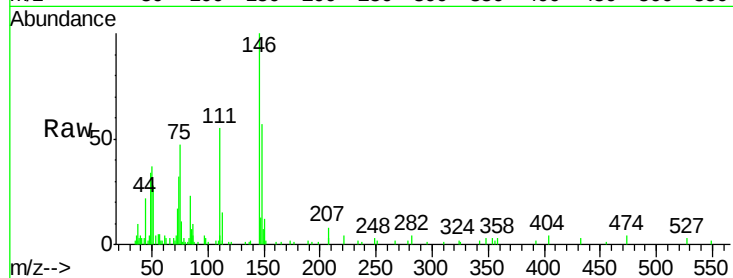
Tgt Ion:146 Resp: 26930

Ion Ratio Lower Upper

146 100

148 57.5 52.2 78.2

111 54.7 37.0 55.6



#14

1,2-Dichlorobenzene

Concen: 2.78 ng

RT: 8.66 min Scan# 991

Delta R.T. -0.00 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

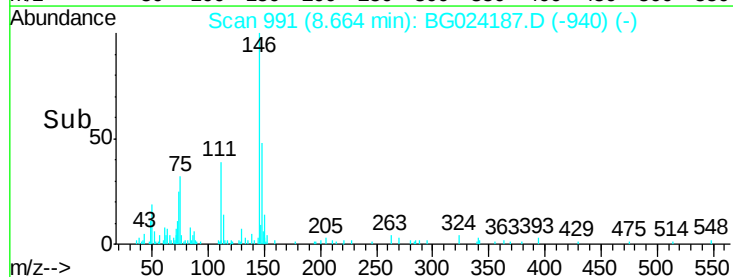
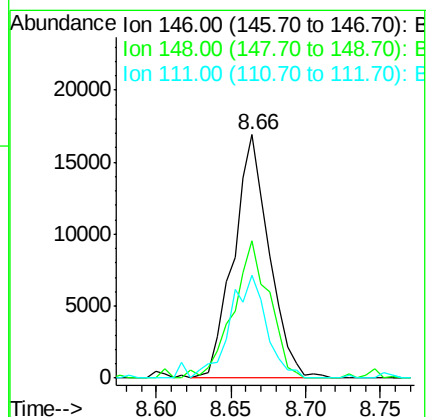
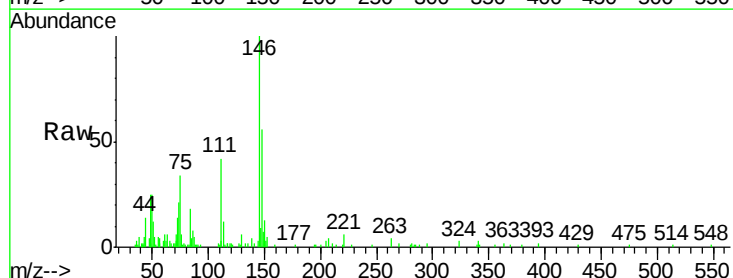
Tgt Ion:146 Resp: 28006

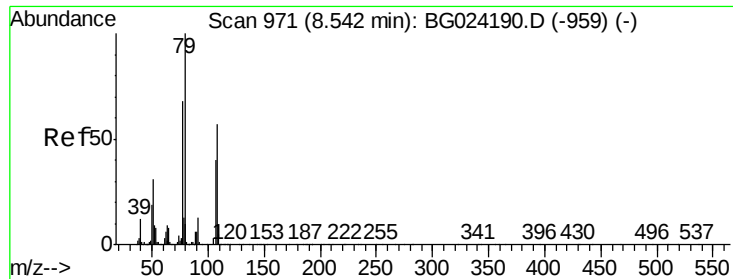
Ion Ratio Lower Upper

146 100

148 56.2 54.6 81.8

111 44.6 39.7 59.5





#15

Benzyl Alcohol

Concen: 2.23 ng

RT: 8.53 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC02.5

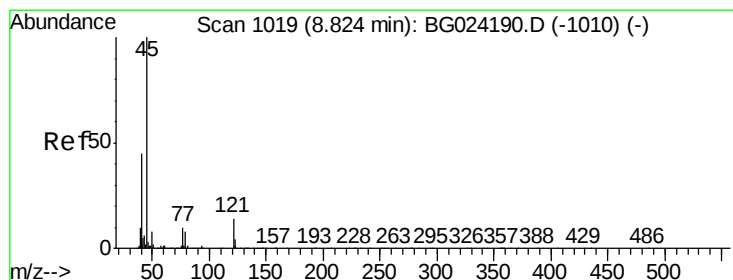
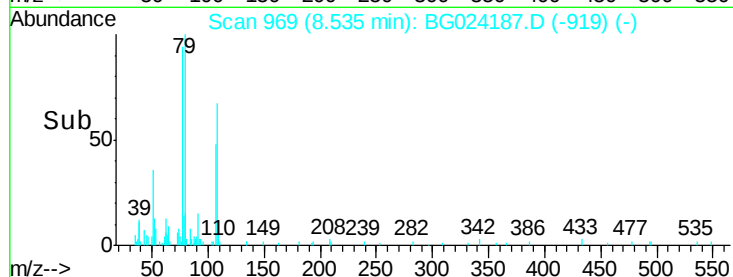
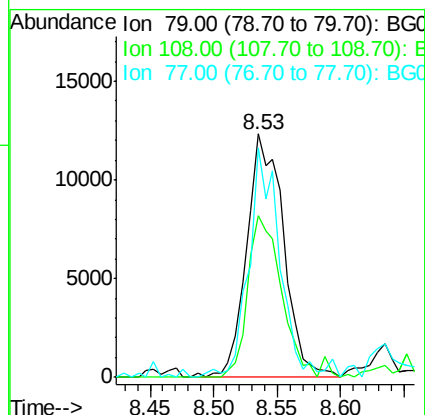
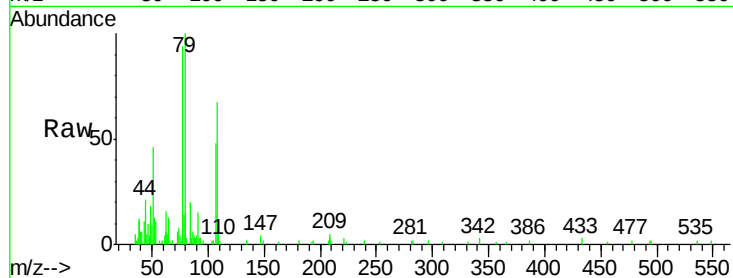
Tgt Ion: 79 Resp: 24857

Ion Ratio Lower Upper

79 100

108 66.5 45.5 68.3

77 94.1 54.3 81.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.57 ng

RT: 8.83 min Scan# 1020

Delta R.T. 0.01 min

Lab File: BG024187.D

Acq: 6 Oct 2016 2:02

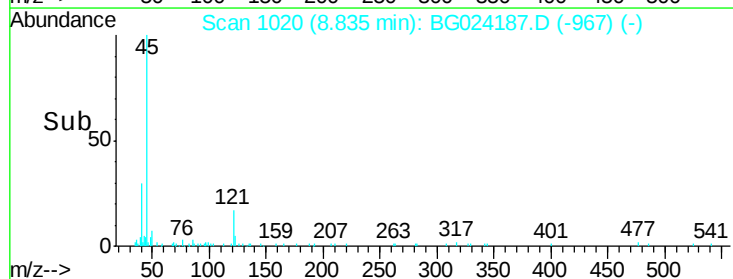
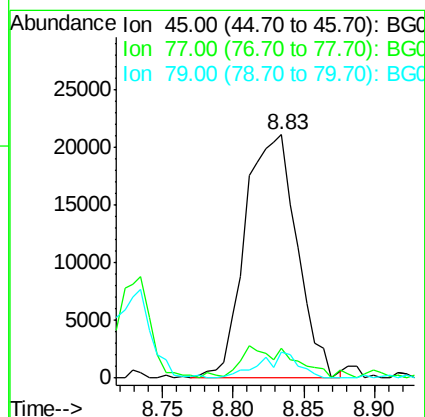
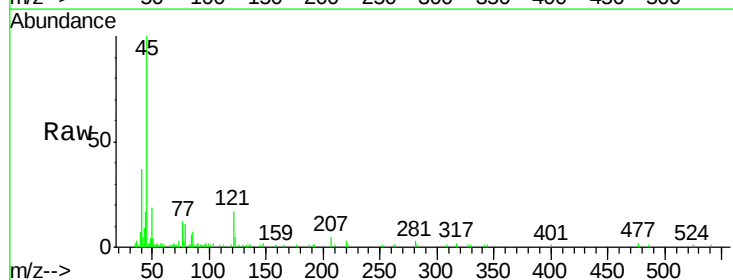
Tgt Ion: 45 Resp: 54128

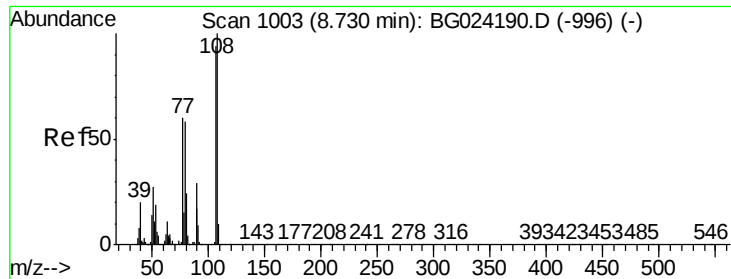
Ion Ratio Lower Upper

45 100

77 12.0 0.0 30.6

79 10.6 0.0 28.5

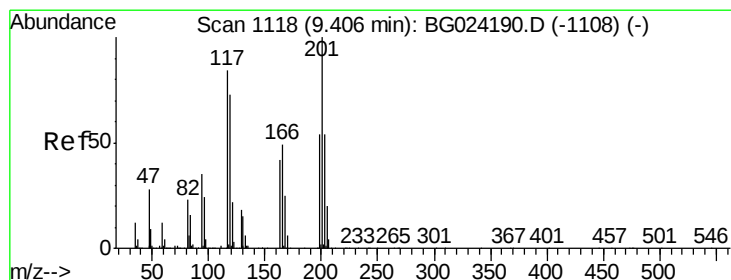
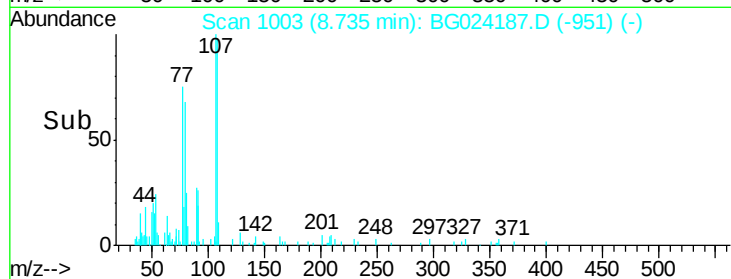
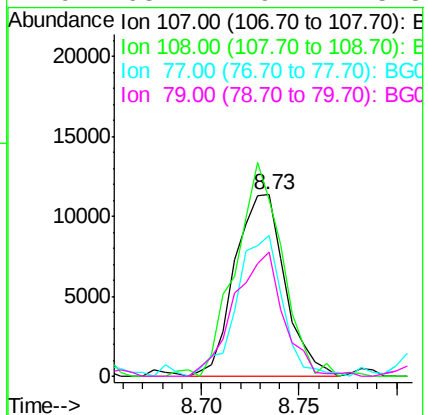
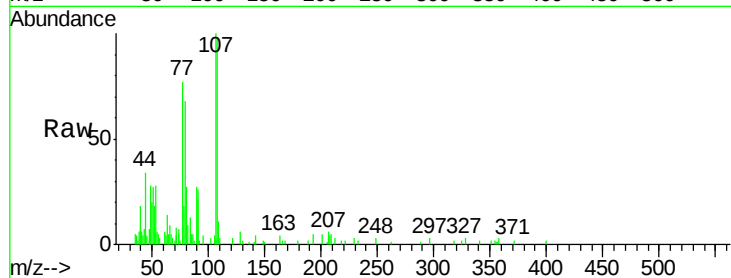




#17
2-Methylphenol
Concen: 2.37 ng
RT: 8.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BG024187.D
Acq: 6 Oct 2016 2:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC02.5

Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.7	85.6	128.4
77	77.4	51.4	77.2#
79	68.2	49.2	73.8



#18
Hexachloroethane
Concen: 2.28 ng
RT: 9.40 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BG024187.D
Acq: 6 Oct 2016 2:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	58.2	69.8	104.6#
201	96.6	95.4	143.0

