

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
 Data File : BG023085.D
 Acq On : 14 Jul 2016 2:32
 Operator : UM/SJ
 Sample : PB92070BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB92070BS

Quant Time: Jul 14 04:00:09 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	90046	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	453160	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	350881	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	883174	20.00	ng	0.00
75) Chrysene-d12	21.87	240	904869	20.00	ng	0.02
86) Perylene-d12	25.25	264	908479	20.00	ng	0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	832228	151.16	ng	0.00
7) Phenol-d6	7.31	99	1297456	150.46	ng	0.00
23) Nitrobenzene-d5	9.33	82	893391	84.42	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	699274	110.89	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1867791	83.85	ng	0.00
78) Terphenyl-d14	20.16	244	2730523	104.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	110080	51.44	ng	96
3) Pyridine	3.97	79	262607	35.86	ng	# 93
4) n-Nitrosodimethylamine	3.88	42	131141	41.74	ng	# 88
6) Aniline	7.47	93	315289	26.38	ng	95
8) 2-Chlorophenol	7.72	128	297085	50.71	ng	96
9) Benzaldehyde	7.28	77	100292	17.41	ng	94
10) Phenol	7.34	94	454281	51.20	ng	95
11) bis(2-Chloroethyl)ether	7.57	93	303769	43.20	ng	95
12) 1,3-Dichlorobenzene	8.04	146	291504	40.64	ng	94
13) 1,4-Dichlorobenzene	8.19	146	299540	41.72	ng	99
14) 1,2-Dichlorobenzene	8.51	146	289062	40.50	ng	92
15) Benzyl Alcohol	8.40	79	390199	49.40	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.68	45	369844	43.05	ng	96
17) 2-Methylphenol	8.60	107	295588	51.18	ng	95
18) Hexachloroethane	9.24	117	125929	41.55	ng	96
19) n-Nitroso-di-n-propylamine	8.96	70	321318	41.33	ng	97
20) 3+4-Methylphenols	8.93	107	414547	51.47	ng	96
22) Acetophenone	8.98	105	512801	37.71	ng	# 91
24) Nitrobenzene	9.37	77	472934	42.05	ng	95
25) Isophorone	9.89	82	841274	39.52	ng	97
26) 2-Nitrophenol	10.09	139	182933	41.46	ng	87
27) 2,4-Dimethylphenol	10.14	122	330813	43.37	ng	93
28) bis(2-Chloroethoxy)methane	10.38	93	470009	39.59	ng	98
29) 2,4-Dichlorophenol	10.63	162	373698	45.94	ng	94
30) 1,2,4-Trichlorobenzene	10.84	180	353849	37.96	ng	95
31) Naphthalene	11.03	128	918978	39.84	ng	99
32) Benzoic acid	10.28	122	232422	33.49	ng	95
33) 4-Chloroaniline	11.14	127	156533	13.88	ng	96
34) Hexachlorobutadiene	11.31	225	268894	35.58	ng	# 92
35) Caprolactam	11.92	113	99771	29.81	ng	97
36) 4-Chloro-3-methylphenol	12.26	107	473761	42.58	ng	97
37) 2-Methylnaphthalene	12.63	142	751725	41.23	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	491447	32.50	ng	99
40) Hexachlorocyclopentadiene	12.97	237	634900	72.94	ng	99

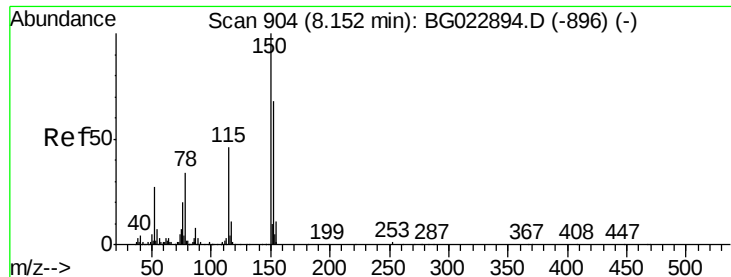
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
 Data File : BG023085.D
 Acq On : 14 Jul 2016 2:32
 Operator : UM/SJ
 Sample : PB92070BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
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Quant Time: Jul 14 04:00:09 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)
42) 2,4,6-Trichlorophenol	13.24	196	357563	41.14	ng	99
43) 2,4,5-Trichlorophenol	13.32	196	388718	43.55	ng	93
45) 1,1'-Biphenyl	13.64	154	1062402	40.35	ng	98
46) 2-Chloronaphthalene	13.68	162	885851	41.48	ng	97
47) 2-Nitroaniline	13.89	65	385600	42.32	ng	99
48) Acenaphthylene	14.53	152	1333933	41.64	ng	99
49) Dimethylphthalate	14.25	163	1209704	42.21	ng	100
50) 2,6-Dinitrotoluene	14.38	165	280554	43.55	ng	85
51) Acenaphthene	14.87	154	879246	42.00	ng	95
52) 3-Nitroaniline	14.71	138	149629	23.30	ng	88
53) 2,4-Dinitrophenol	14.92	184	346680	78.44	ng	93
54) Dibenzofuran	15.21	168	1405002	44.84	ng	98
55) 4-Nitrophenol	15.03	139	422430	78.46	ng	94
56) 2,4-Dinitrotoluene	15.16	165	404278	43.05	ng	96
57) Fluorene	15.85	166	1160905	43.04	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.35	232	397124	44.47	ng	95
59) Diethylphthalate	15.61	149	1245427	42.71	ng	98
60) 4-Chlorophenyl-phenylether	15.84	204	679790	41.38	ng	95
61) 4-Nitroaniline	15.88	138	267691	38.52	ng	# 84
62) Azobenzene	16.13	77	1378642	49.42	ng	93
64) 4,6-Dinitro-2-methylphenol	15.93	198	257397	39.21	ng	98
65) n-Nitrosodiphenylamine	16.06	169	1064189	41.82	ng	97
66) 4-Bromophenyl-phenylether	16.74	248	457096	39.78	ng	97
67) Hexachlorobenzene	16.86	284	475955	38.10	ng	98
68) Atrazine	17.00	200	438507	38.85	ng	97
69) Pentachlorophenol	17.21	266	608964	75.27	ng	100
70) Phenanthrene	17.60	178	1849249	42.73	ng	98
71) Anthracene	17.69	178	1875564	42.79	ng	98
72) Carbazole	17.97	167	1605813	42.40	ng	98
73) Di-n-butylphthalate	18.51	149	1933654	45.91	ng	98
74) Fluoranthene	19.61	202	2117257	39.86	ng	98
76) Benzidine	19.79	184	950709	36.65	ng	98
77) Pyrene	19.97	202	2121725	41.73	ng	99
79) Butylbenzylphthalate	20.84	149	942470	46.79	ng	96
80) Benzo(a)anthracene	21.84	228	2196544	43.39	ng	99
81) 3,3'-Dichlorobenzidine	21.76	252	626610	28.20	ng	# 99
82) Chrysene	21.91	228	2066894	43.52	ng	98
83) Bis(2-ethylhexyl)phthalate	21.72	149	1287811	46.05	ng	99
84) Di-n-octyl phthalate	22.99	149	2119254	45.44	ng	99
85) Indeno(1,2,3-cd)pyrene	29.13	276	2454514	40.54	ng	# 100
87) Benzo(b)fluoranthene	24.17	252	2319475	44.25	ng	99
88) Benzo(k)fluoranthene	24.24	252	2176701	43.76	ng	# 97
89) Benzo(a)pyrene	25.09	252	2232055	44.43	ng	# 99
90) Dibenzo(a,h)anthracene	29.19	278	2065520	41.42	ng	# 98
91) Benzo(g,h,i)perylene	30.34	276	1967965	39.41	ng	# 96

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

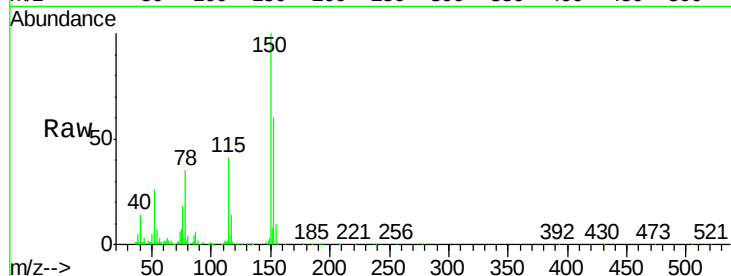


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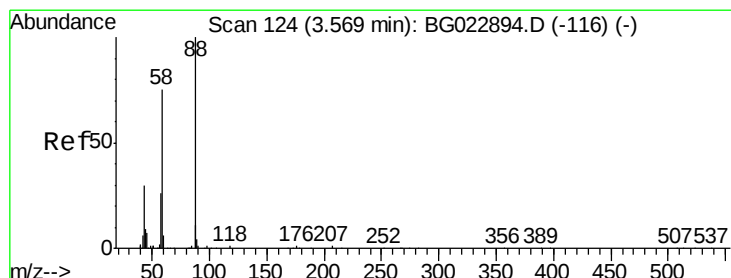
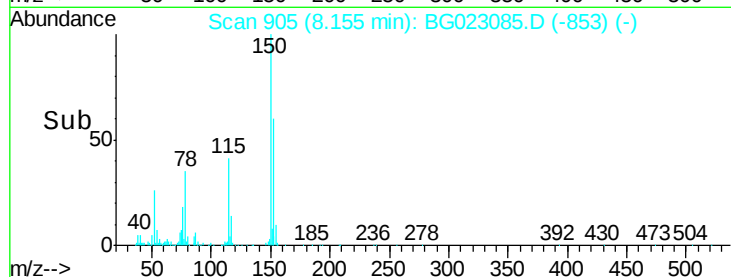
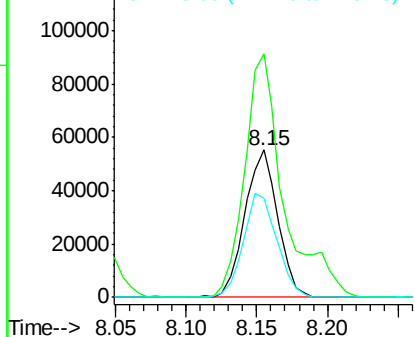
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG023085.D
Acq: 14 Jul 2016 2:32

Instrument :
BNA_G
ClientSampleId :
PB92070BS

Tgt Ion:152 Resp: 90046
Ion Ratio Lower Upper
152 100
150 165.6 144.7 217.1
115 67.4 64.0 96.0



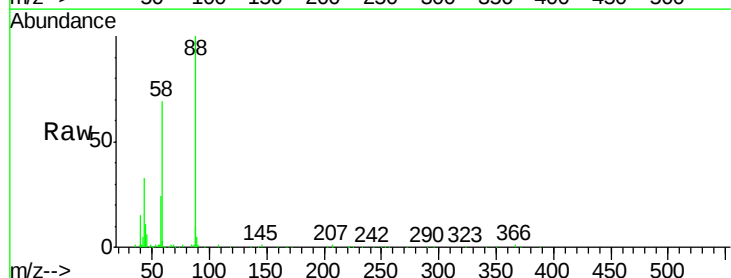
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



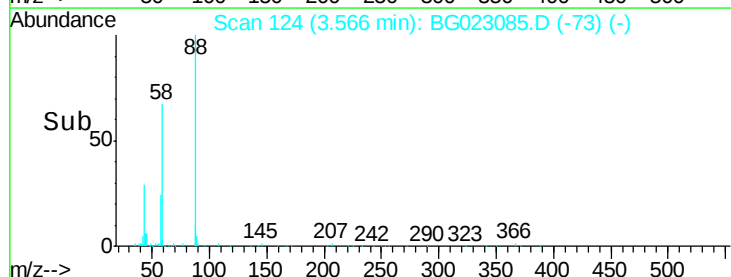
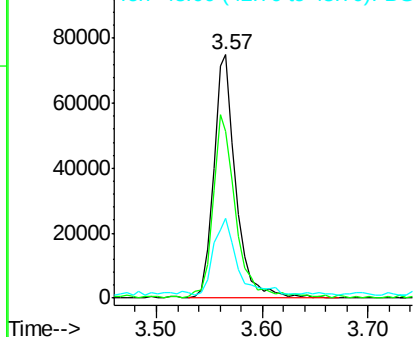
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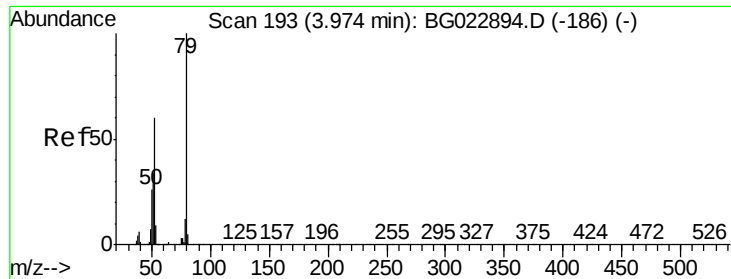
1,4-Dioxane
Concen: 51.44 ng
RT: 3.57 min Scan# 124
Delta R.T. -0.00 min
Lab File: BG023085.D
Acq: 14 Jul 2016 2:32

Tgt Ion: 88 Resp: 110080
Ion Ratio Lower Upper
88 100
58 76.7 60.4 90.6
43 33.0 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: 35.86 ng

RT: 3.97 min Scan# 193

Delta R.T. -0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

Instrument :

BNA_G

ClientSampleId :

PB92070BS

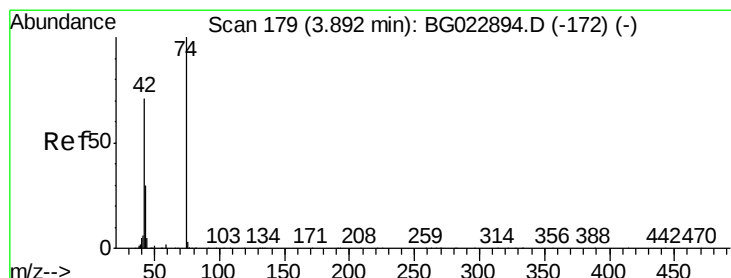
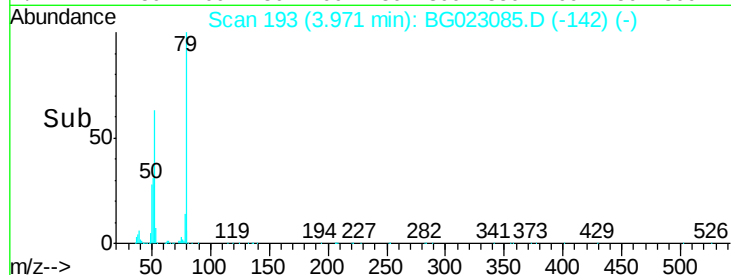
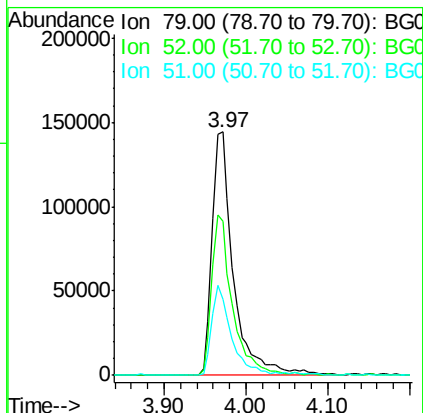
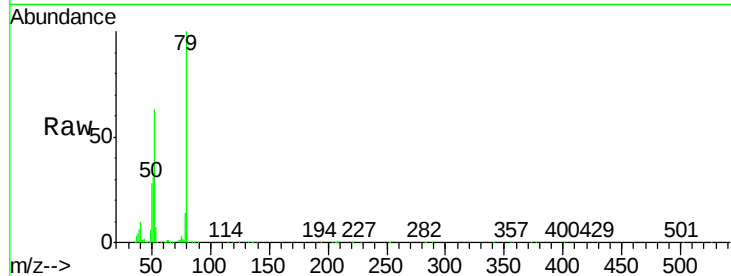
Tgt Ion: 79 Resp: 262607

Ion Ratio Lower Upper

79 100

52 63.3 51.8 77.8

51 30.9 32.7 49.1#



#4

n-Nitrosodimethylamine

Concen: 41.74 ng

RT: 3.88 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

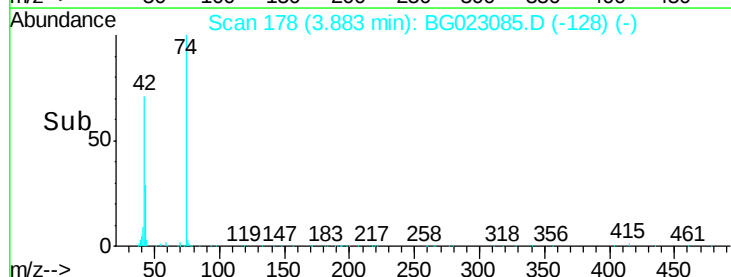
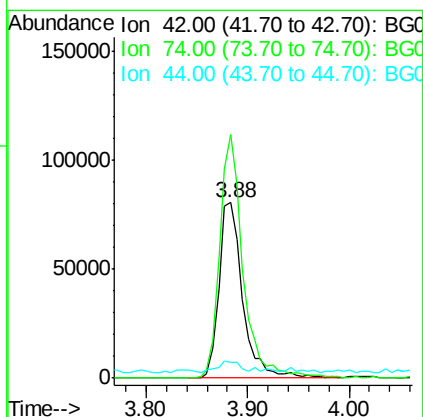
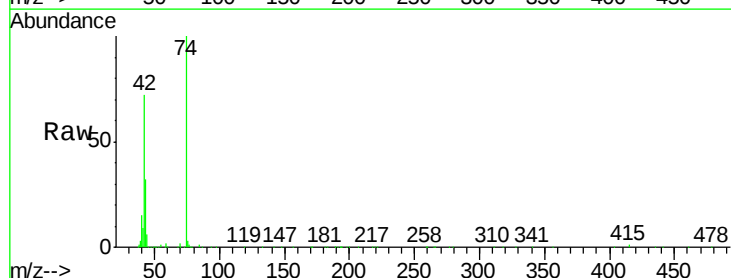
Tgt Ion: 42 Resp: 131141

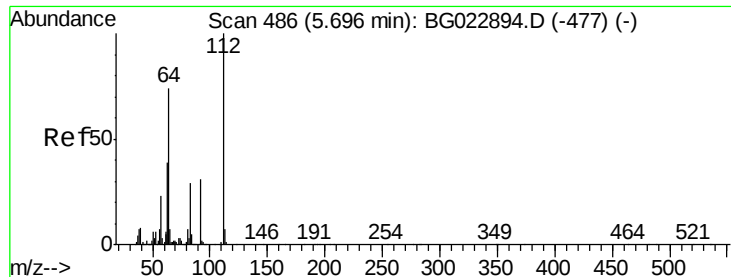
Ion Ratio Lower Upper

42 100

74 139.0 100.6 150.8

44 8.8 4.5 6.7#





#5

2-Fluorophenol

Concen: 151.16 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

Instrument :

BNA_G

ClientSampleId :

PB92070BS

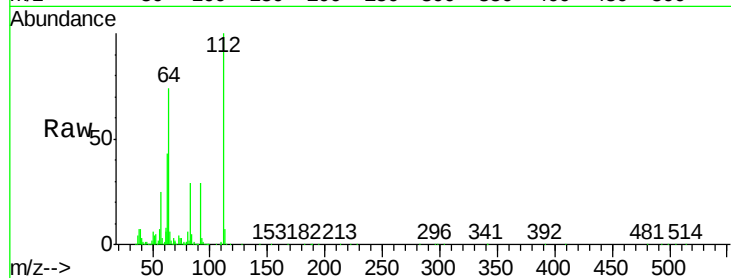
Tgt Ion: 112 Resp: 832228

Ion Ratio Lower Upper

112 100

64 74.4 59.0 88.4

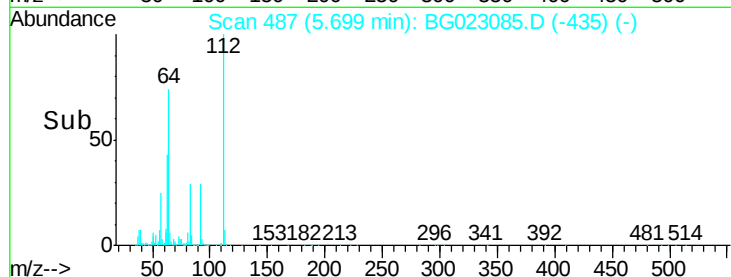
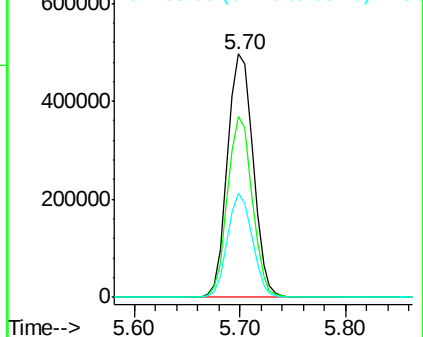
63 42.5 37.8 56.8



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: 26.38 ng

RT: 7.47 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

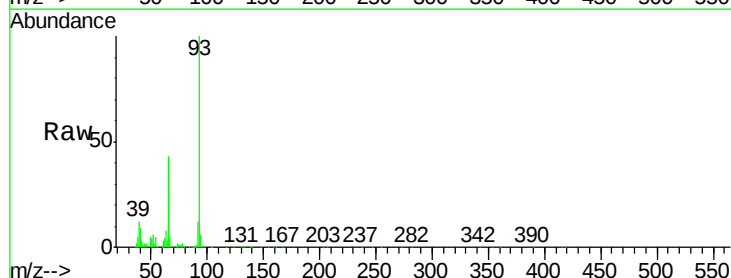
Tgt Ion: 93 Resp: 315289

Ion Ratio Lower Upper

93 100

66 43.4 37.5 56.3

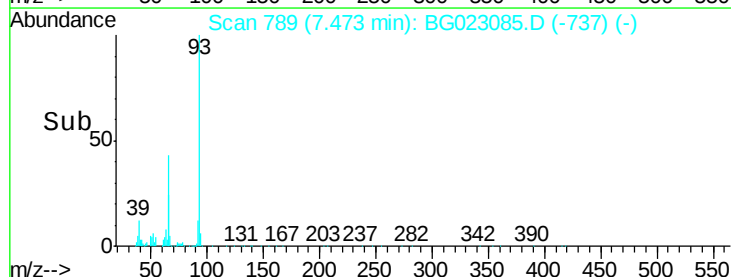
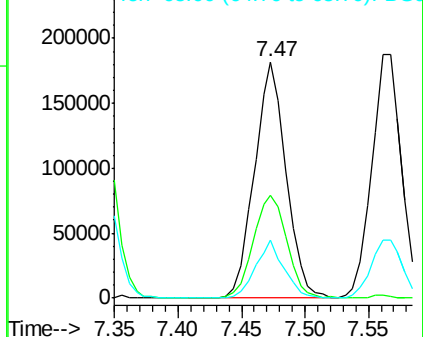
65 24.3 17.9 26.9

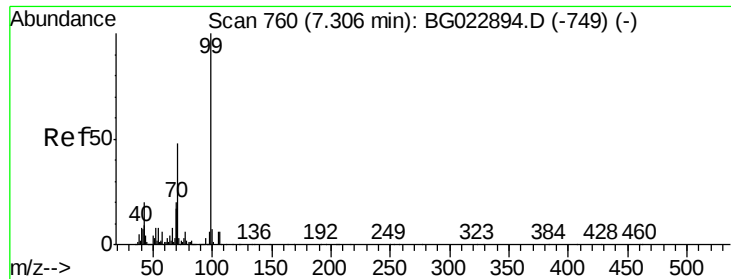


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 150.46 ng

RT: 7.31 min Scan# 762

Delta R.T. 0.01 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

Instrument :

BNA_G

ClientSampleId :

PB92070BS

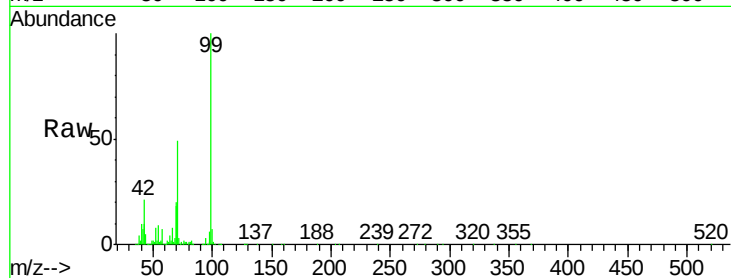
Tgt Ion: 99 Resp: 1297456

Ion Ratio Lower Upper

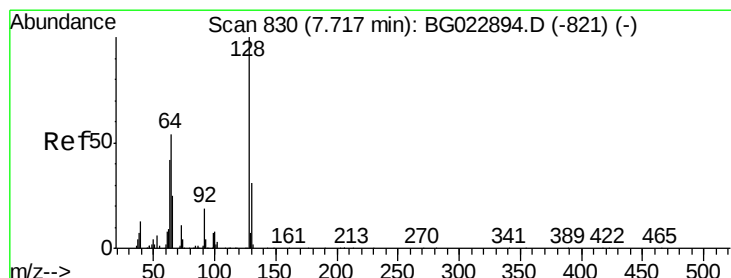
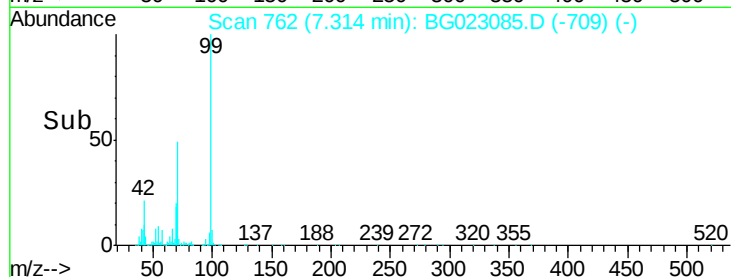
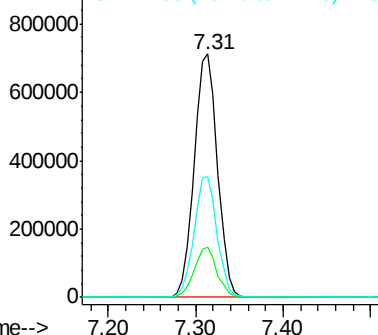
99 100

42 20.8 17.8 26.6

71 49.4 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: 50.71 ng

RT: 7.72 min Scan# 831

Delta R.T. 0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

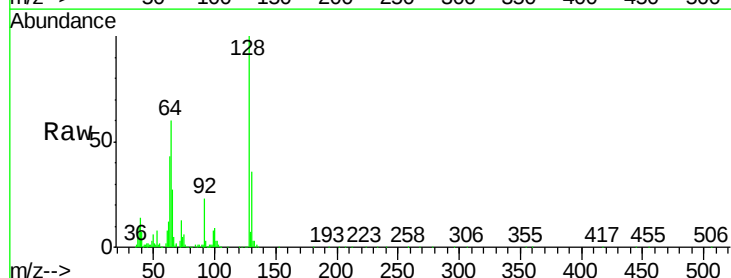
Tgt Ion: 128 Resp: 297085

Ion Ratio Lower Upper

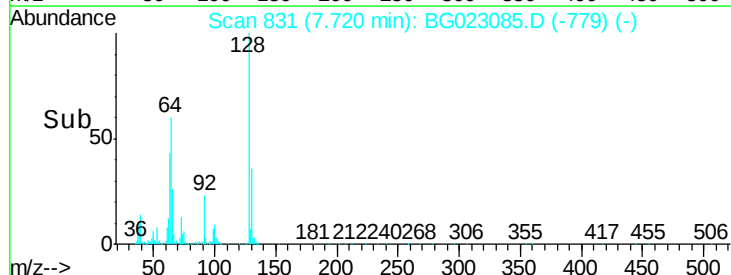
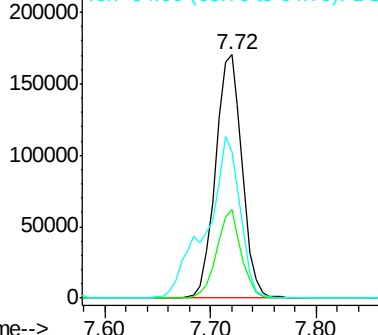
128 100

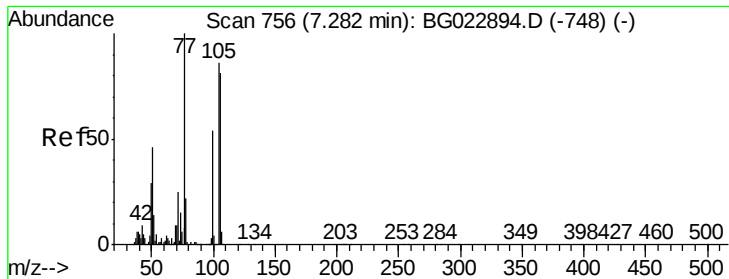
130 36.4 12.9 52.9

64 60.2 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: 17.41 ng

RT: 7.28 min Scan# 756

Delta R.T. -0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

Instrument :

BNA_G

ClientSampleId :

PB92070BS

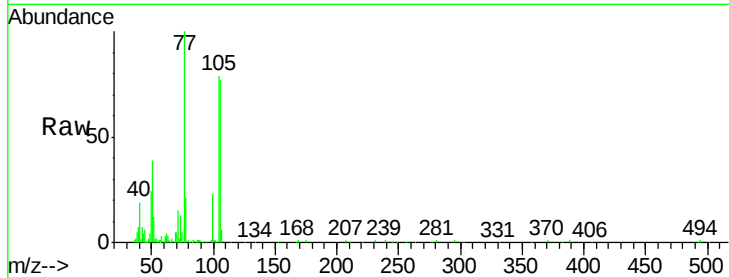
Tgt Ion: 77 Resp: 100292

Ion Ratio Lower Upper

77 100

105 78.7 58.7 98.7

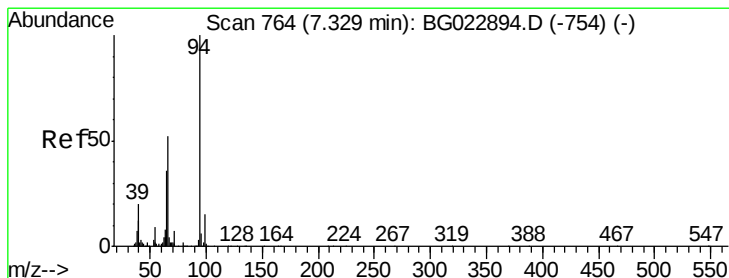
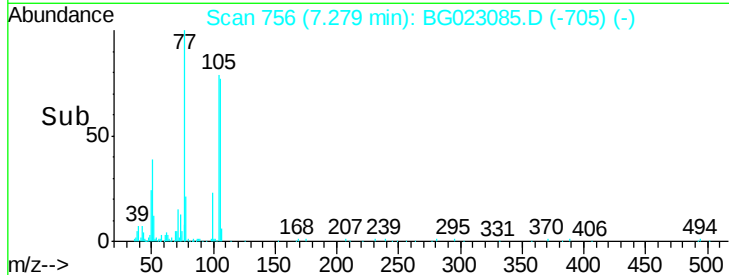
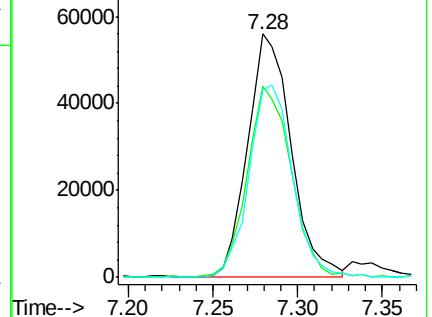
106 77.0 67.5 107.5



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: 51.20 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

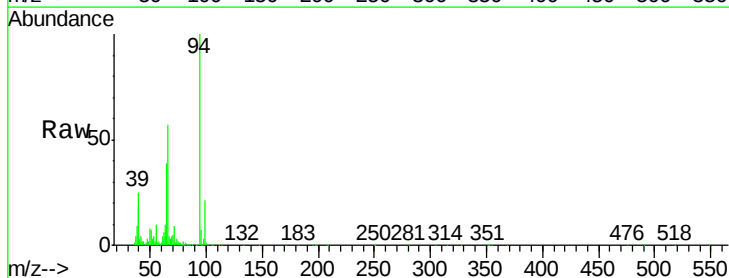
Tgt Ion: 94 Resp: 454281

Ion Ratio Lower Upper

94 100

65 38.5 18.1 58.1

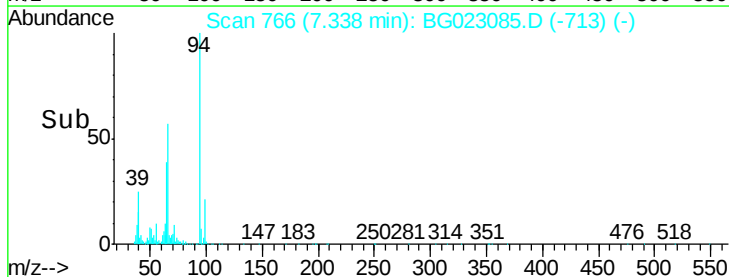
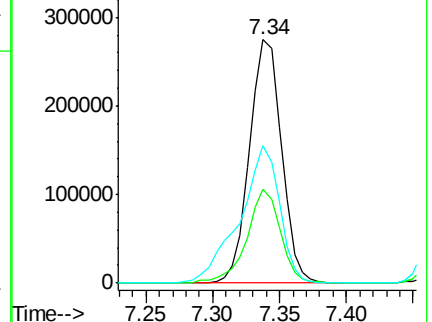
66 56.5 42.1 82.1



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

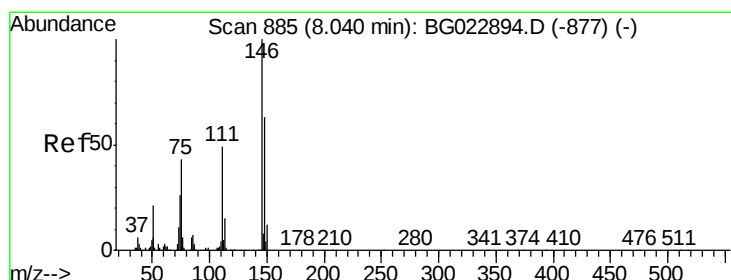
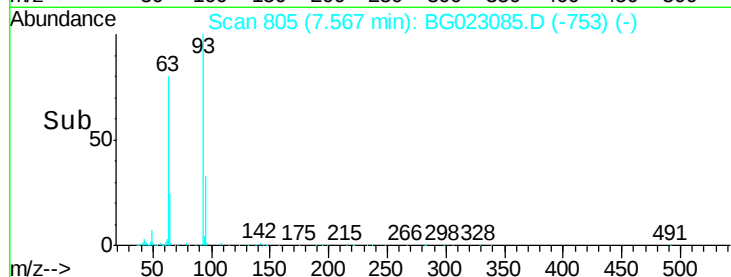
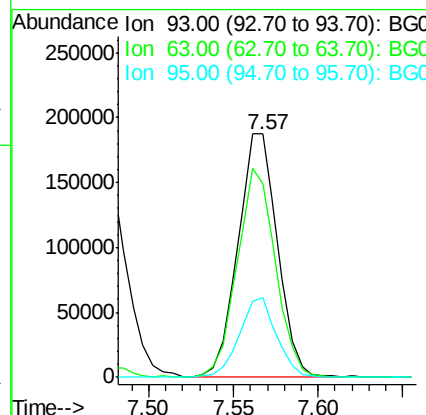
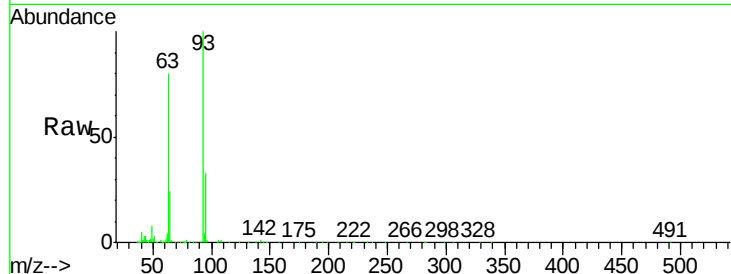




#11
 bis(2-Chloroethyl)ether
 Concen: 43.20 ng
 RT: 7.57 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BG023085.D
 Acq: 14 Jul 2016 2:32

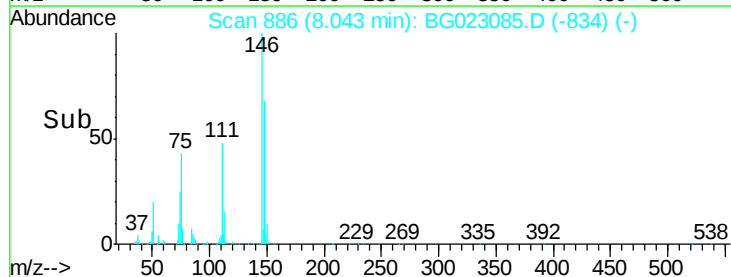
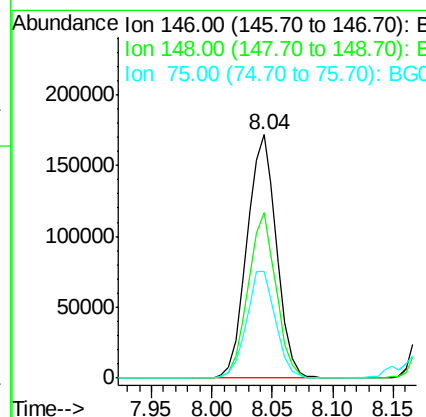
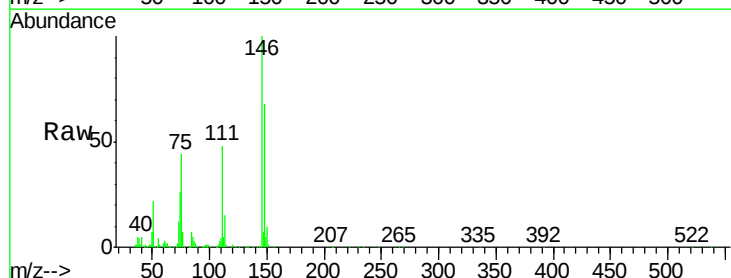
Instrument :
 BNA_G
 ClientSampleId :
 PB92070BS

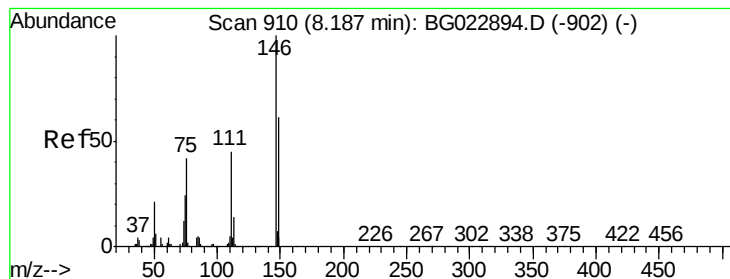
Tgt Ion: 93 Resp: 303769
 Ion Ratio Lower Upper
 93 100
 63 79.7 55.0 95.0
 95 33.0 11.0 51.0



#12
 1,3-Dichlorobenzene
 Concen: 40.64 ng
 RT: 8.04 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BG023085.D
 Acq: 14 Jul 2016 2:32

Tgt Ion: 146 Resp: 291504
 Ion Ratio Lower Upper
 146 100
 148 68.2 50.3 75.5
 75 43.6 37.0 55.6





#13

1,4-Dichlorobenzene

Concen: 41.72 ng

RT: 8.19 min Scan# 911

Delta R.T. 0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

Instrument :

BNA_G

ClientSampleId :

PB92070BS

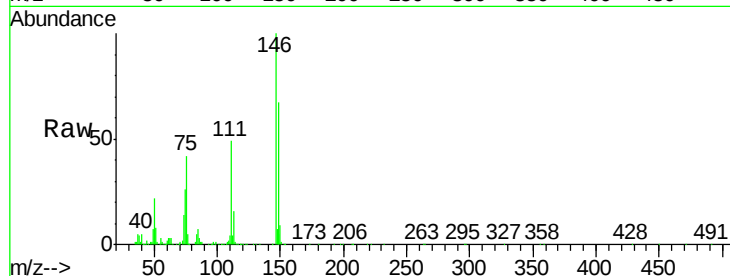
Tgt Ion:146 Resp: 299540

Ion Ratio Lower Upper

146 100

148 67.3 54.5 81.7

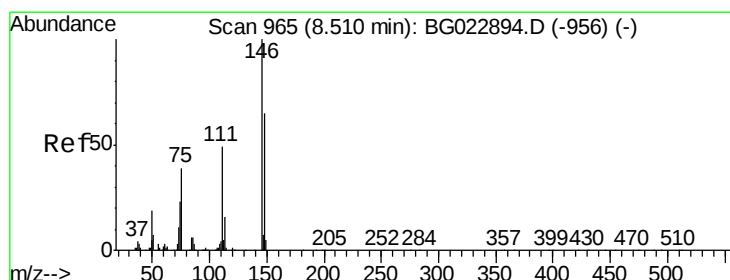
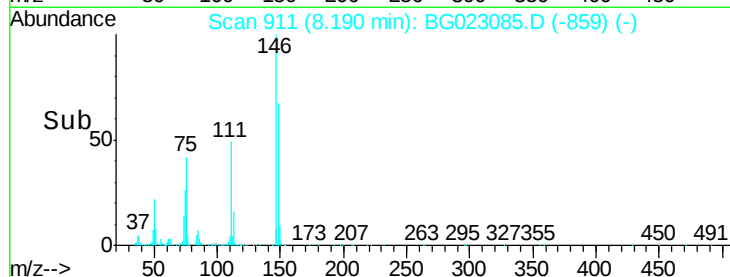
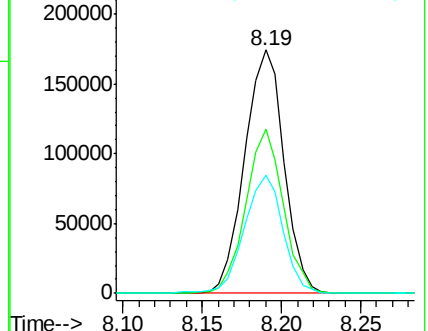
111 48.5 37.8 56.8



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: 40.50 ng

RT: 8.51 min Scan# 966

Delta R.T. 0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

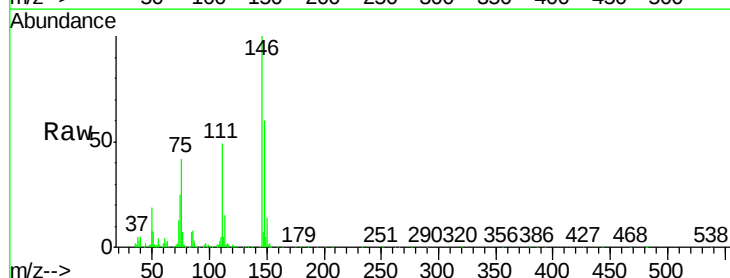
Tgt Ion:146 Resp: 289062

Ion Ratio Lower Upper

146 100

148 60.0 52.9 79.3

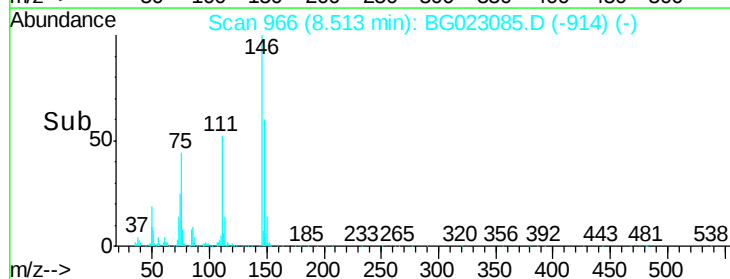
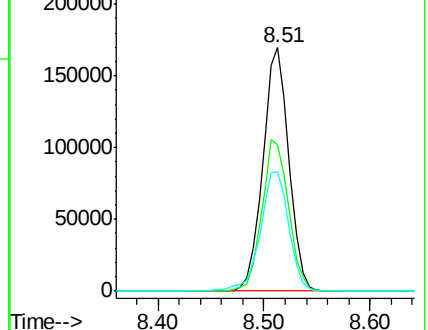
111 49.1 43.5 65.3

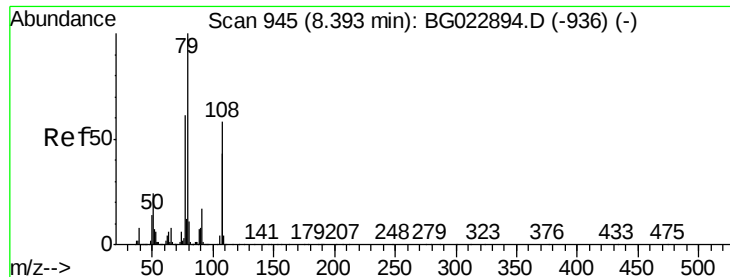


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 49.40 ng

RT: 8.40 min Scan# 946

Delta R.T. 0.00 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

Instrument :

BNA_G

ClientSampleId :

PB92070BS

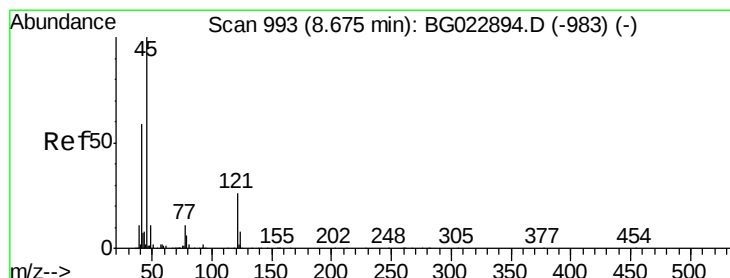
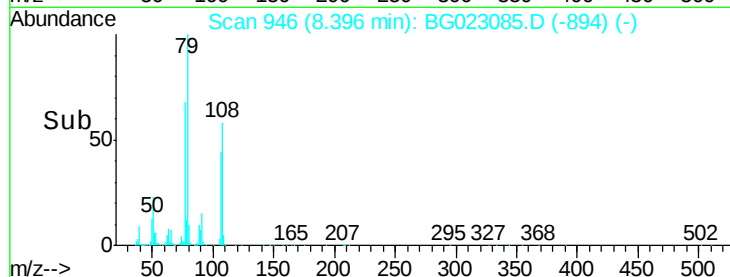
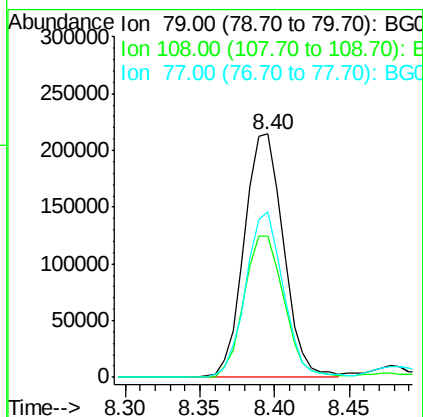
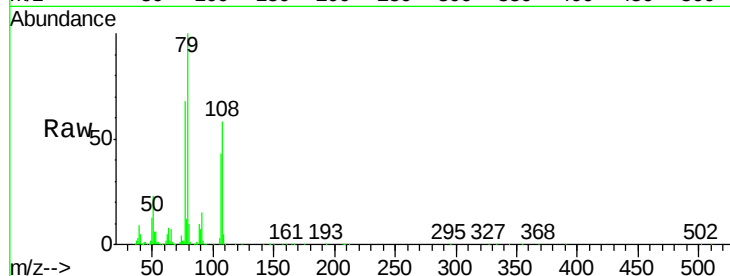
Tgt Ion: 79 Resp: 390199

Ion Ratio Lower Upper

79 100

108 58.2 46.5 69.7

77 67.8 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.05 ng

RT: 8.68 min Scan# 995

Delta R.T. 0.01 min

Lab File: BG023085.D

Acq: 14 Jul 2016 2:32

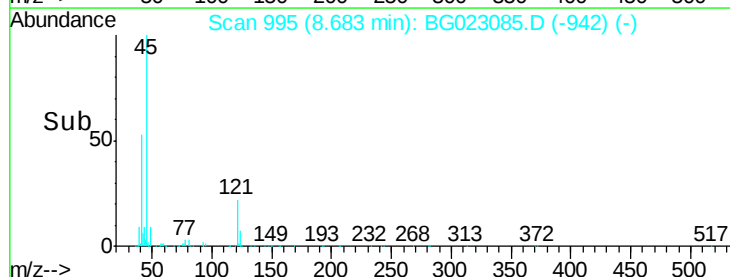
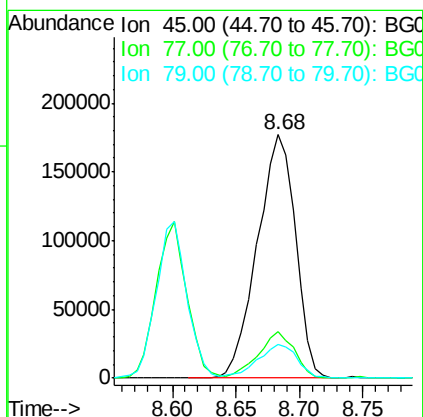
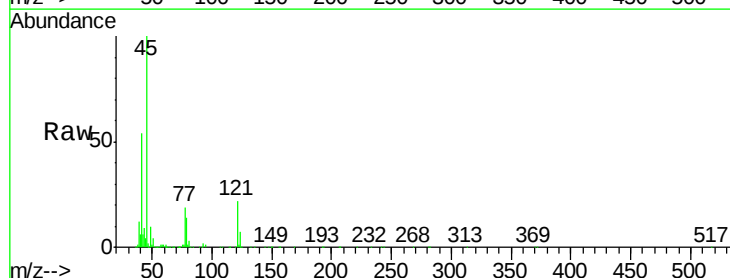
Tgt Ion: 45 Resp: 369844

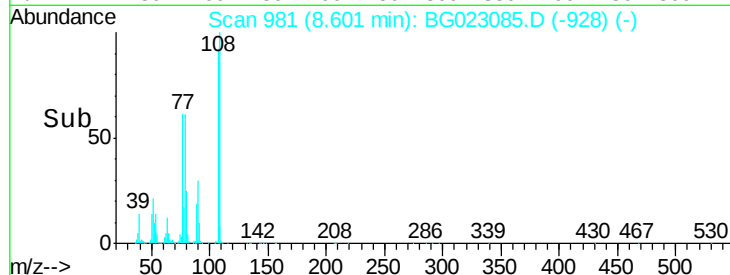
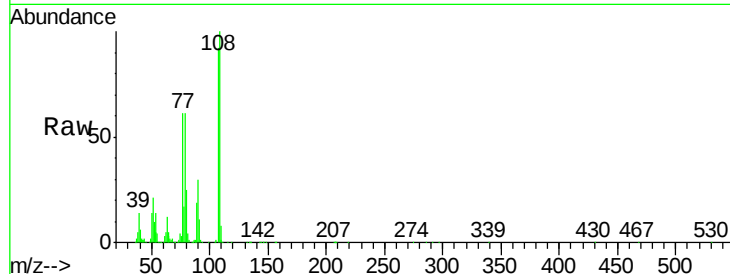
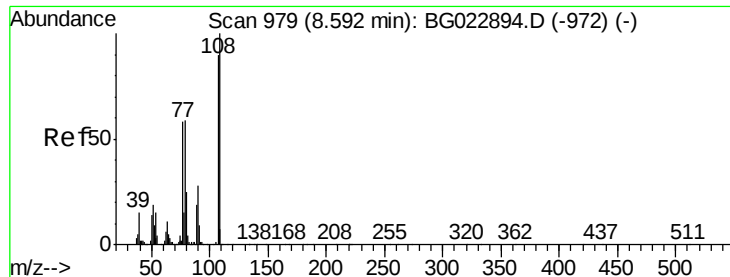
Ion Ratio Lower Upper

45 100

77 18.8 0.6 40.6

79 13.9 0.0 36.2

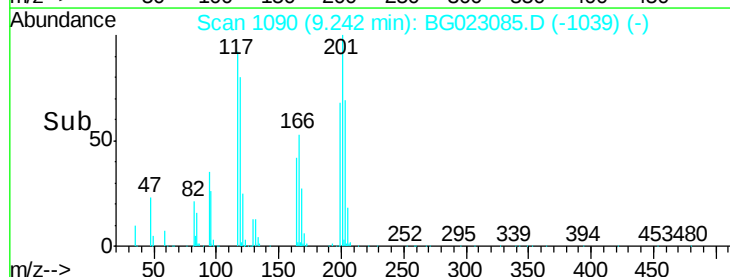
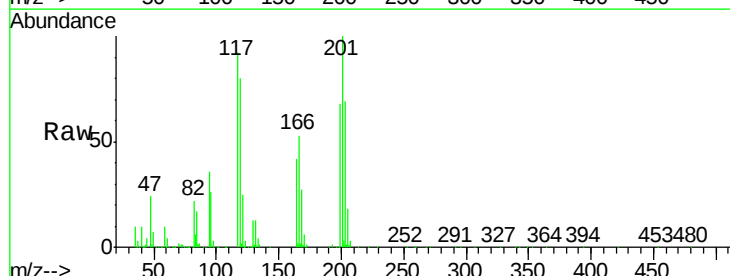
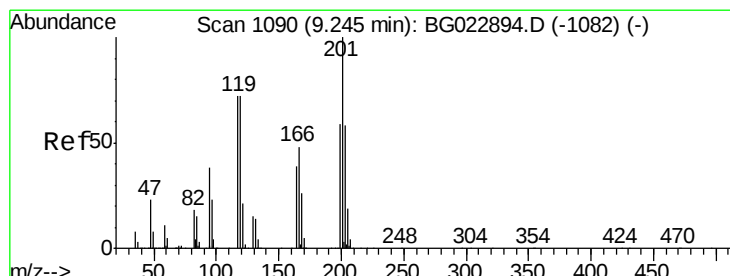
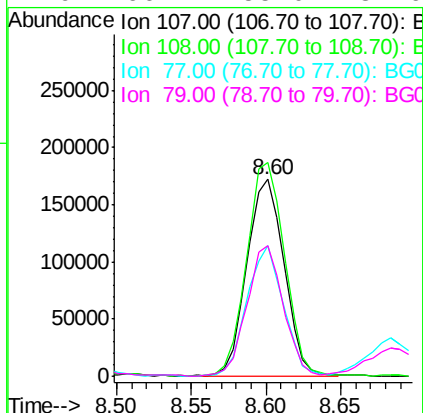




#17
2-Methylphenol
Concen: 51.18 ng
RT: 8.60 min Scan# 981
Delta R.T. 0.01 min
Lab File: BG023085.D
Acq: 14 Jul 2016 2:32

Instrument :
BNA_G
ClientSampleId :
PB92070BS

Tgt Ion:	107	Resp:	295588
Ion Ratio	Lower	Upper	
107	100		
108	108.5	92.0	138.0
77	66.1	55.8	83.6
79	66.2	55.0	82.6



#18
Hexachloroethane
Concen: 41.55 ng
RT: 9.24 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BG023085.D
Acq: 14 Jul 2016 2:32

Tgt Ion:	117	Resp:	125929
Ion Ratio	Lower	Upper	
117	100		
119	86.5	73.7	110.5
201	108.5	88.7	133.1

