

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
 Data File : BG023076.D
 Acq On : 13 Jul 2016 19:10
 Operator : UM/SJ
 Sample : H3946-15MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P7-B5(6-12)CMS

Quant Time: Jul 14 01:00:08 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	97643	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	461359	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	359727	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	890628	20.00	ng	0.00
75) Chrysene-d12	21.87	240	910597	20.00	ng	0.02
86) Perylene-d12	25.26	264	907597	20.00	ng	0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	510103	85.44	ng	0.00
7) Phenol-d6	7.31	99	830945	88.86	ng	0.00
23) Nitrobenzene-d5	9.33	82	573304	53.21	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	454792	70.35	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1170177	51.24	ng	0.00
78) Terphenyl-d14	20.16	244	1787542	53.84	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	90044	38.80	ng	96
3) Pyridine	3.97	79	155916	19.63	ng	99
4) n-Nitrosodimethylamine	3.88	42	83126	24.40	ng	# 99
6) Aniline	7.47	93	218747	16.88	ng	98
8) 2-Chlorophenol	7.71	128	187927	29.58	ng	97
9) Benzaldehyde	7.28	77	107031	17.13	ng	99
10) Phenol	7.34	94	303264	31.52	ng	93
11) bis(2-Chloroethyl)ether	7.56	93	200502	26.29	ng	98
12) 1,3-Dichlorobenzene	8.04	146	186382	23.97	ng	97
13) 1,4-Dichlorobenzene	8.19	146	186441	23.95	ng	93
14) 1,2-Dichlorobenzene	8.51	146	185542	23.97	ng	97
15) Benzyl Alcohol	8.39	79	259274	30.27	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.68	45	242451	26.03	ng	96
17) 2-Methylphenol	8.60	107	194130	31.00	ng	93
18) Hexachloroethane	9.24	117	78714	23.95	ng	95
19) n-Nitroso-di-n-propylamine	8.96	70	219702	26.06	ng	# 91
20) 3+4-Methylphenols	8.93	107	267592	30.64	ng	96
22) Acetophenone	8.98	105	335413	24.22	ng	# 96
24) Nitrobenzene	9.37	77	310321	27.10	ng	96
25) Isophorone	9.89	82	577228	26.64	ng	96
26) 2-Nitrophenol	10.09	139	118951	26.48	ng	88
27) 2,4-Dimethylphenol	10.14	122	201200	25.91	ng	89
28) bis(2-Chloroethoxy)methane	10.37	93	324773	26.87	ng	95
29) 2,4-Dichlorophenol	10.63	162	239052	28.86	ng	97
30) 1,2,4-Trichlorobenzene	10.84	180	233068	24.56	ng	98
31) Naphthalene	11.03	128	602597	25.66	ng	100
32) Benzoic acid	10.14	122	201200	28.48	ng	# 12
33) 4-Chloroaniline	11.15	127	173546	15.11	ng	95
34) Hexachlorobutadiene	11.31	225	176372	22.92	ng	98
35) Caprolactam	11.91	113	77970	22.88	ng	95
36) 4-Chloro-3-methylphenol	12.26	107	306640	27.07	ng	92
37) 2-Methylnaphthalene	12.63	142	500180	26.95	ng	97
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	327009	21.09	ng	99
40) Hexachlorocyclopentadiene	12.97	237	387055	43.37	ng	99

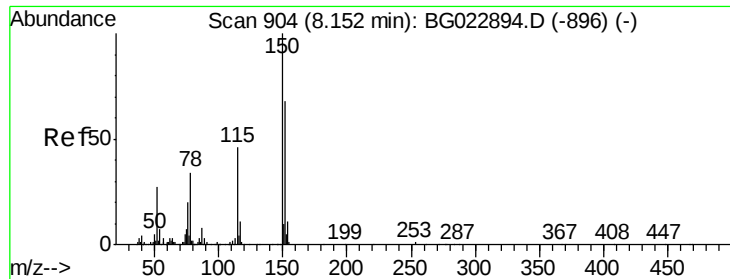
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071316\
 Data File : BG023076.D
 Acq On : 13 Jul 2016 19:10
 Operator : UM/SJ
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Instrument :
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 P7-B5(6-12)CMS

Quant Time: Jul 14 01:00:08 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	232409	26.08	ng	94
43) 2,4,5-Trichlorophenol	13.31	196	250979	27.43	ng	92
45) 1,1'-Biphenyl	13.63	154	710567	26.33	ng	99
46) 2-Chloronaphthalene	13.68	162	589851	26.94	ng	98
47) 2-Nitroaniline	13.88	65	252788	27.06	ng	96
48) Acenaphthylene	14.53	152	892982	27.19	ng	99
49) Dimethylphthalate	14.25	163	1174337	39.96	ng	98
50) 2,6-Dinitrotoluene	14.38	165	184243	27.90	ng	86
51) Acenaphthene	14.86	154	581551	27.10	ng	100
52) 3-Nitroaniline	14.71	138	138103	20.97	ng	92
53) 2,4-Dinitrophenol	14.92	184	45673	10.08	ng	96
54) Dibenzofuran	15.20	168	950022	29.57	ng	98
55) 4-Nitrophenol	15.02	139	259635	47.04	ng	97
56) 2,4-Dinitrotoluene	15.16	165	258967	26.90	ng	92
57) Fluorene	15.85	166	765359	27.68	ng	100
58) 2,3,4,6-Tetrachlorophenol	15.43	232	251337	27.46	ng	98
59) Diethylphthalate	15.60	149	857560	28.68	ng	99
60) 4-Chlorophenyl-phenylether	15.83	204	440473	26.16	ng	99
61) 4-Nitroaniline	15.87	138	177720	24.94	ng	# 82
62) Azobenzene	16.13	77	919133	32.14	ng	93
64) 4,6-Dinitro-2-methylphenol	15.93	198	121088	18.29	ng	98
65) n-Nitrosodiphenylamine	16.06	169	718659	28.01	ng	95
66) 4-Bromophenyl-phenylether	16.74	248	301188	25.99	ng	98
67) Hexachlorobenzene	16.86	284	313199	24.86	ng	98
68) Atrazine	17.00	200	305915	26.88	ng	99
69) Pentachlorophenol	17.20	266	358466	43.94	ng	97
70) Phenanthrene	17.60	178	1243337	28.49	ng	98
71) Anthracene	17.69	178	1267602	28.68	ng	98
72) Carbazole	17.97	167	1102974	28.88	ng	97
73) Di-n-butylphthalate	18.50	149	1346495	31.70	ng	97
74) Fluoranthene	19.61	202	1438677	26.86	ng	95
76) Benzidine	19.79	184	699595	26.80	ng	98
77) Pyrene	19.97	202	1447654	28.29	ng	95
79) Butylbenzylphthalate	20.85	149	616746	30.43	ng	96
80) Benzo(a)anthracene	21.84	228	1462091	28.70	ng	94
81) 3,3'-Dichlorobenzidine	21.76	252	413998	18.51	ng	# 98
82) Chrysene	21.91	228	1367485	28.61	ng	98
83) Bis(2-ethylhexyl)phthalate	21.73	149	845079	30.03	ng	99
84) Di-n-octyl phthalate	23.00	149	1435966	30.59	ng	99
85) Indeno(1,2,3-cd)pyrene	29.13	276	1562102	25.64	ng	# 100
87) Benzo(b)fluoranthene	24.24	252	1430304	27.32	ng	98
88) Benzo(k)fluoranthene	24.24	252	1430304	28.78	ng	# 98
89) Benzo(a)pyrene	25.09	252	1437799	28.64	ng	# 99
90) Dibenzo(a,h)anthracene	29.19	278	1315306	26.40	ng	# 96
91) Benzo(g,h,i)perylene	30.34	276	1282293	25.70	ng	# 97

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

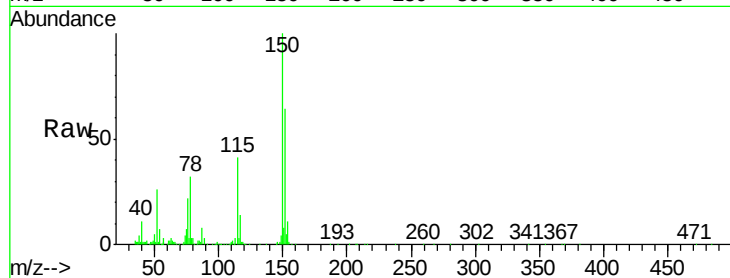


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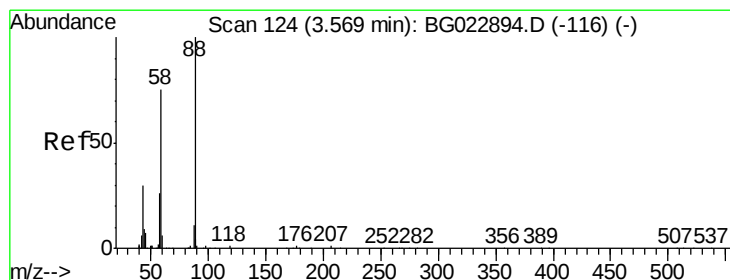
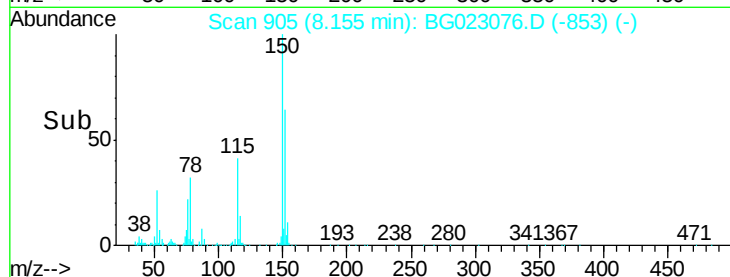
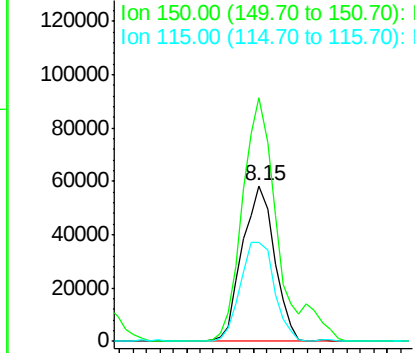
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 905
Delta R.T. 0.00 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

Instrument :
BNA_G
ClientSampleId :
P7-B5(6-12)CMS

Tgt Ion:152 Resp: 97643
Ion Ratio Lower Upper
152 100
150 156.5 144.7 217.1
115 63.9 64.0 96.0#



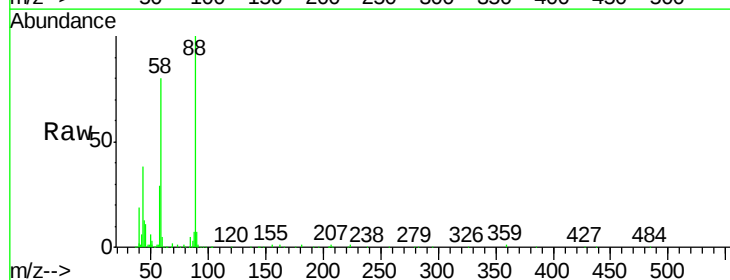
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



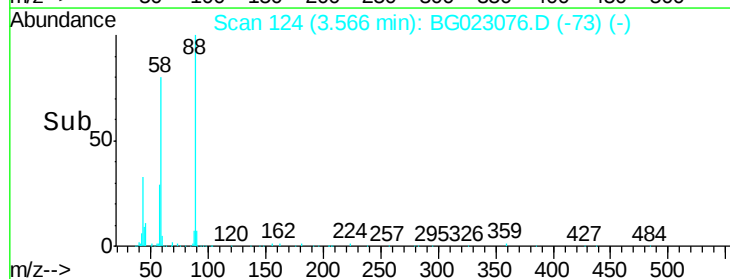
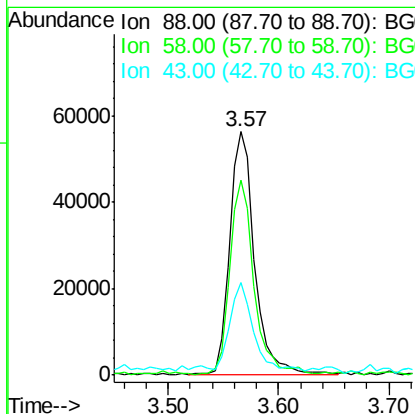
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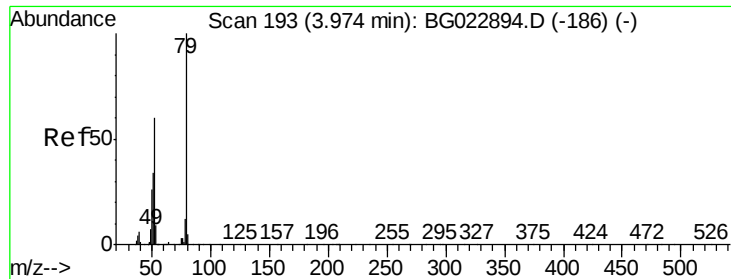
1,4-Dioxane
Concen: 38.80 ng
RT: 3.57 min Scan# 124
Delta R.T. -0.00 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

Tgt Ion: 88 Resp: 90044
Ion Ratio Lower Upper
88 100
58 77.9 60.4 90.6
43 35.8 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: 19.63 ng

RT: 3.97 min Scan# 193

Delta R.T. -0.00 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

Instrument :

BNA_G

ClientSampleId :

P7-B5(6-12)CMS

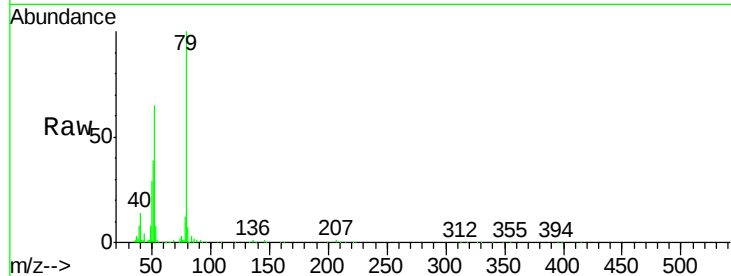
Tgt Ion: 79 Resp: 155916

Ion Ratio Lower Upper

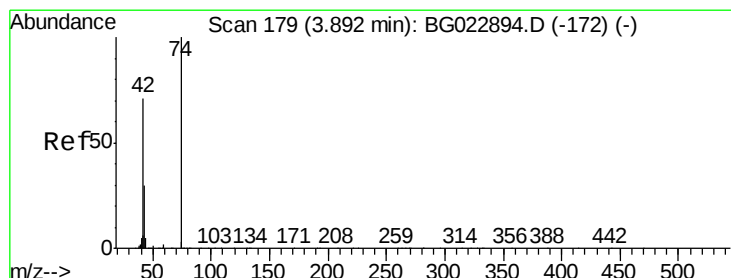
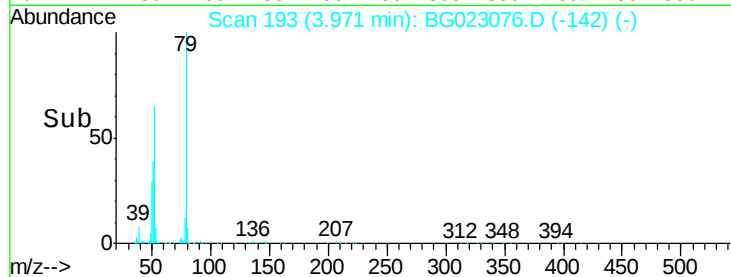
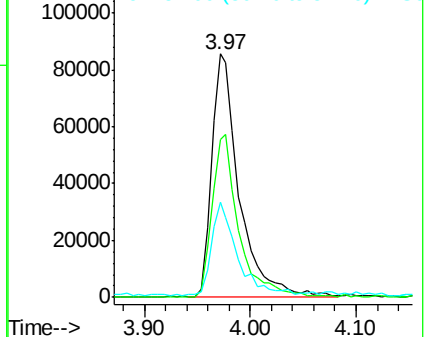
79 100

52 64.6 51.8 77.8

51 39.1 32.7 49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 24.40 ng

RT: 3.88 min Scan# 178

Delta R.T. -0.01 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

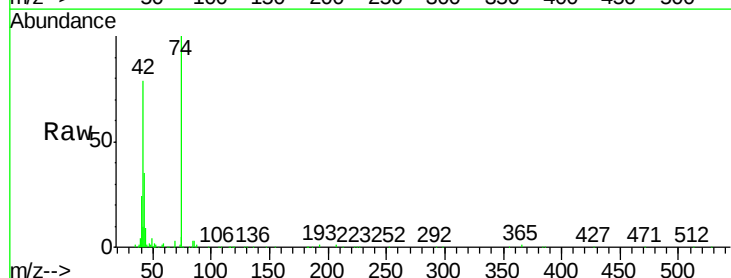
Tgt Ion: 42 Resp: 83126

Ion Ratio Lower Upper

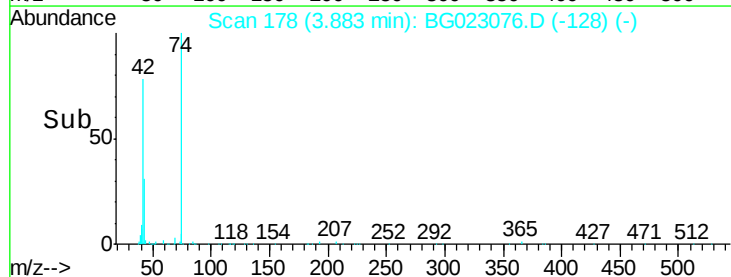
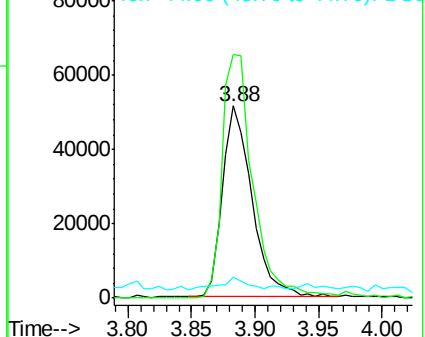
42 100

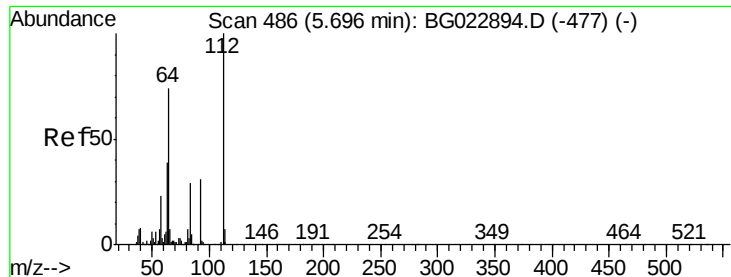
74 126.7 100.6 150.8

44 10.9 4.5 6.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 85.44 ng

RT: 5.70 min Scan# 487

Delta R.T. 0.00 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

Instrument :

BNA_G

ClientSampleId :

P7-B5(6-12)CMS

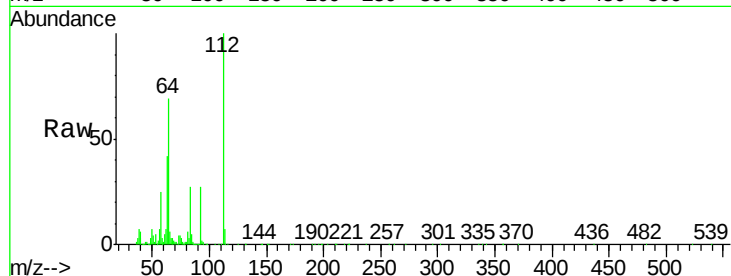
Tgt Ion: 112 Resp: 510103

Ion Ratio Lower Upper

112 100

64 69.0 59.0 88.4

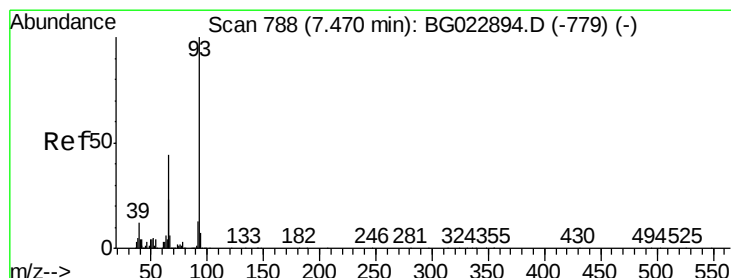
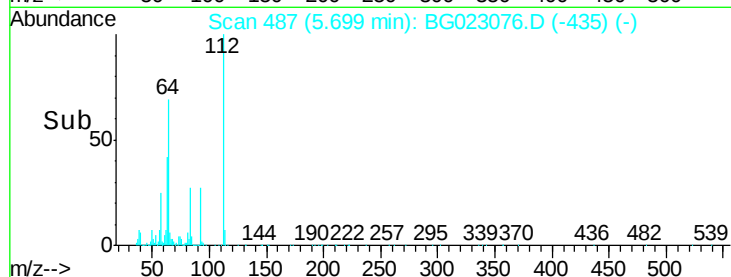
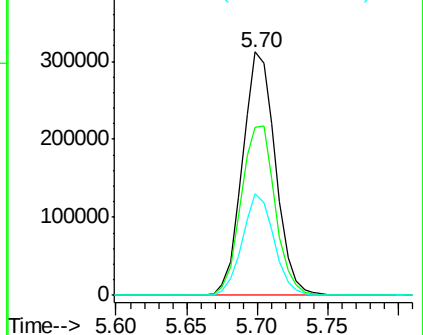
63 41.7 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 16.88 ng

RT: 7.47 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

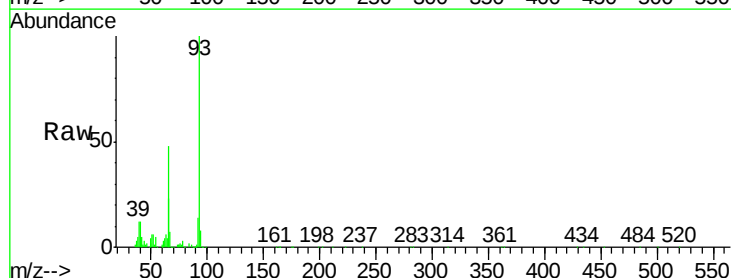
Tgt Ion: 93 Resp: 218747

Ion Ratio Lower Upper

93 100

66 48.2 37.5 56.3

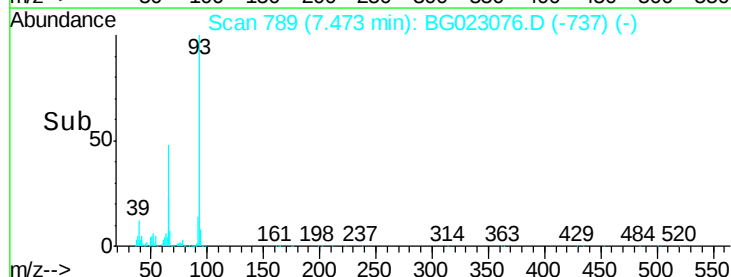
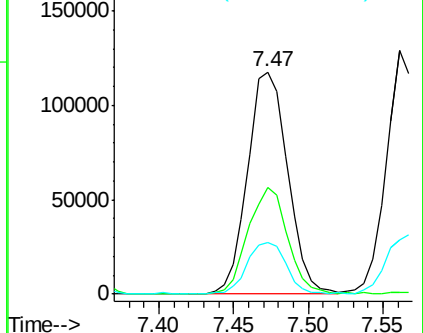
65 23.0 17.9 26.9

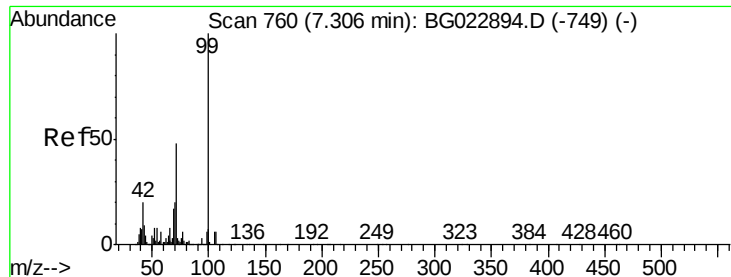


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 88.86 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023076.D

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Instrument :

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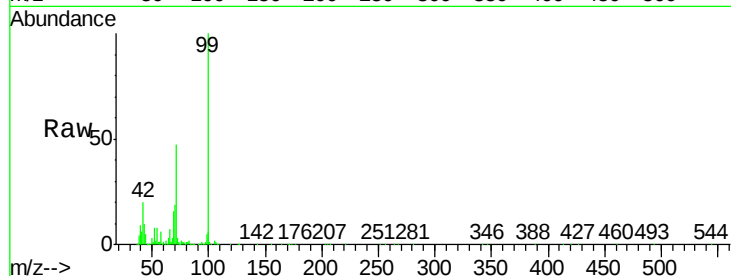
Tgt Ion: 99 Resp: 830945

Ion Ratio Lower Upper

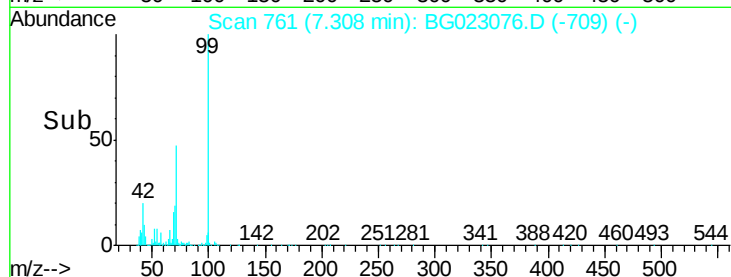
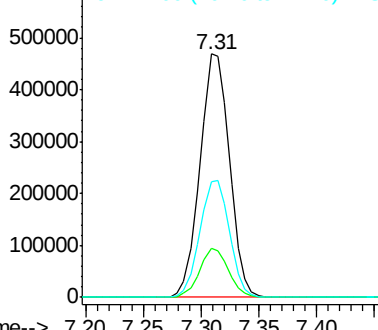
99 100

42 19.9 17.8 26.6

71 47.3 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: 29.58 ng

RT: 7.71 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

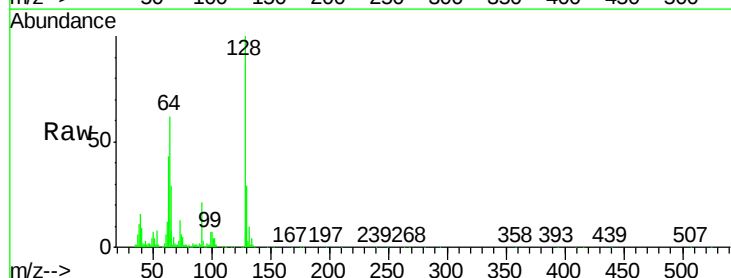
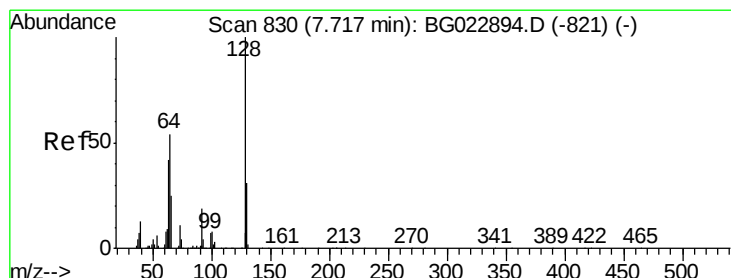
Tgt Ion: 128 Resp: 187927

Ion Ratio Lower Upper

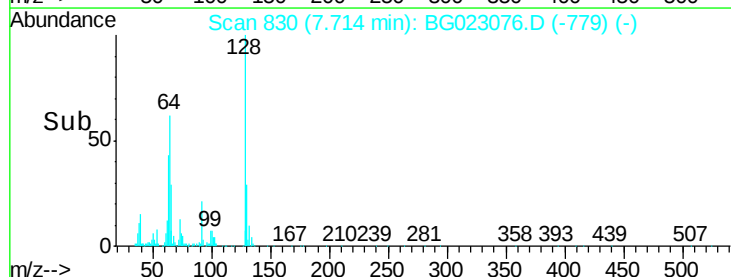
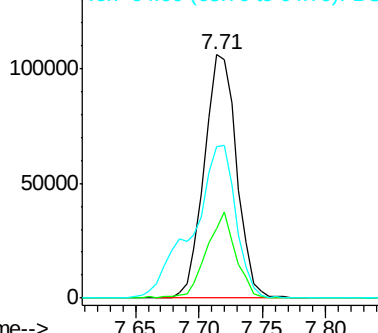
128 100

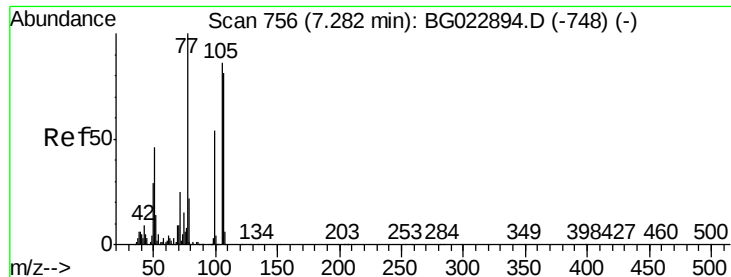
130 28.6 12.9 52.9

64 62.1 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: 17.13 ng

RT: 7.28 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

Instrument :

BNA_G

ClientSampleId :

P7-B5(6-12)CMS

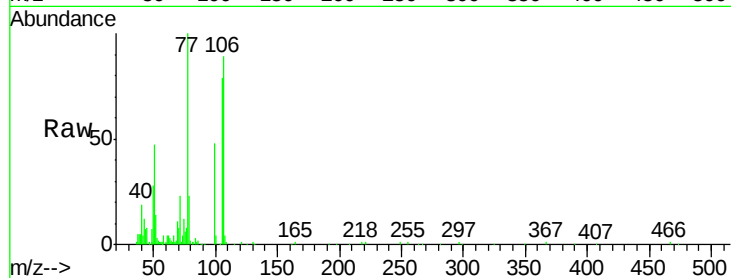
Tgt Ion: 77 Resp: 107031

Ion Ratio Lower Upper

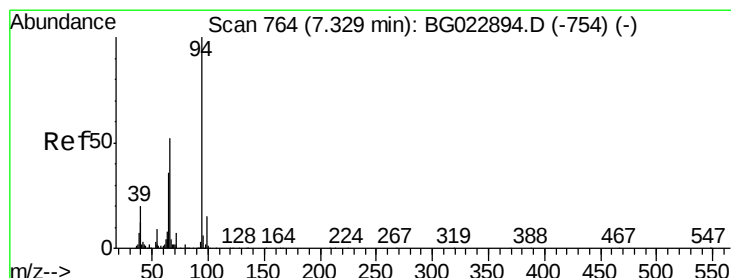
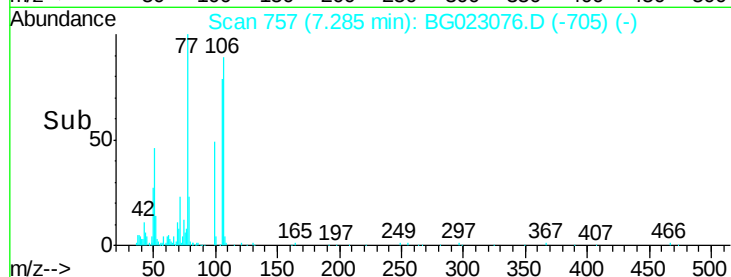
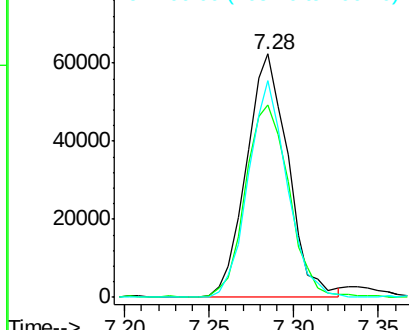
77 100

105 78.9 58.7 98.7

106 89.0 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: 31.52 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

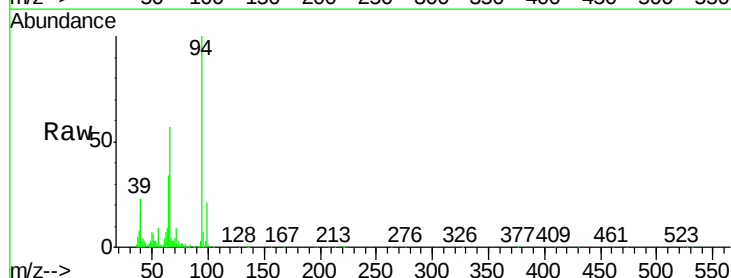
Tgt Ion: 94 Resp: 303264

Ion Ratio Lower Upper

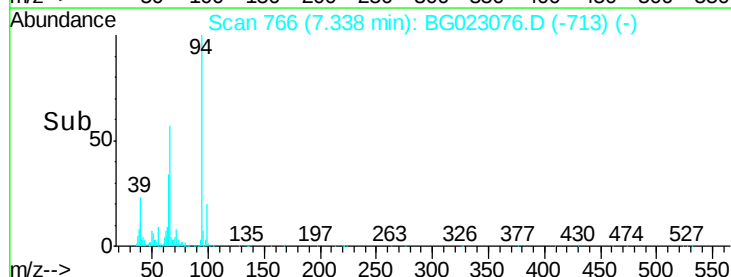
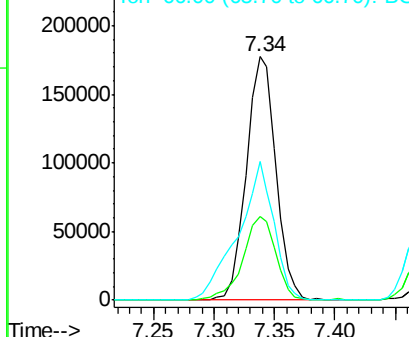
94 100

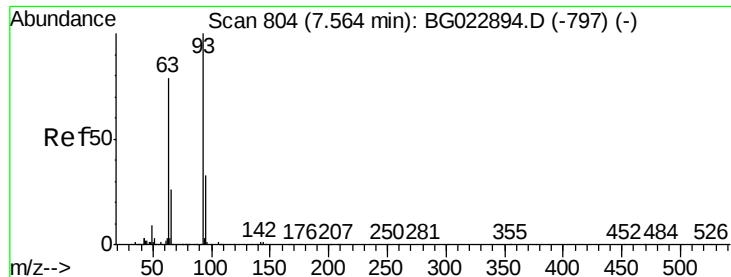
65 34.3 18.1 58.1

66 56.9 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

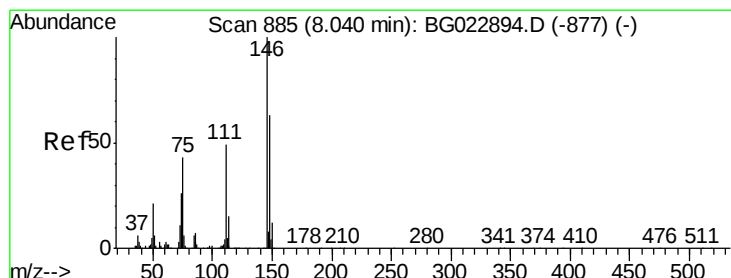
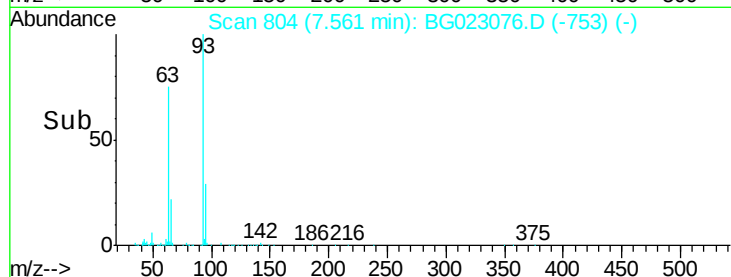
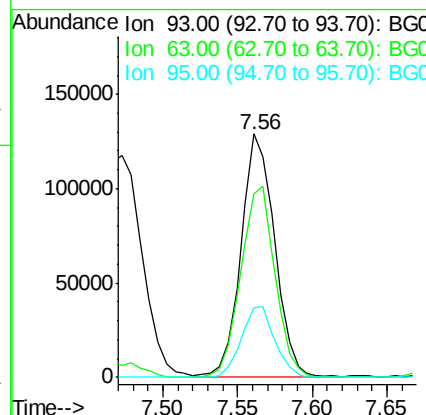
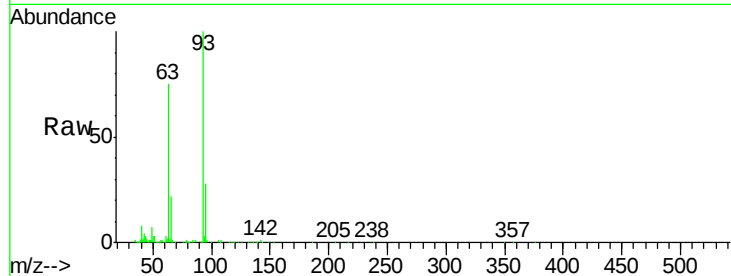




#11
bis(2-Chloroethyl)ether
Concen: 26.29 ng
RT: 7.56 min Scan# 804
Delta R.T. -0.00 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

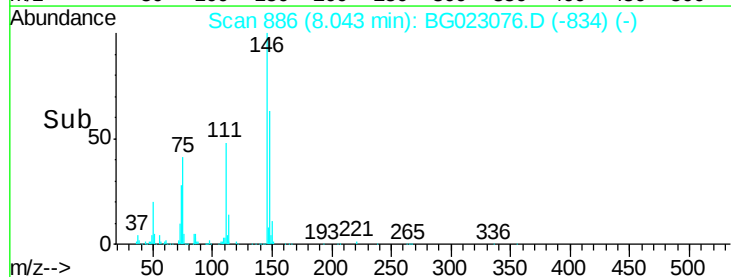
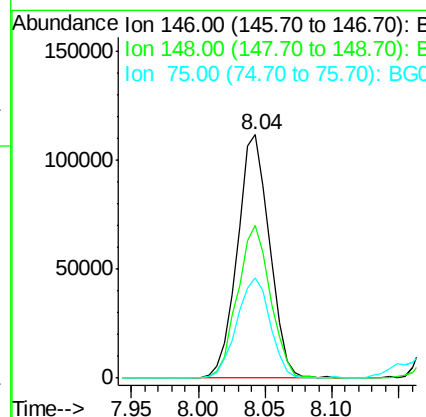
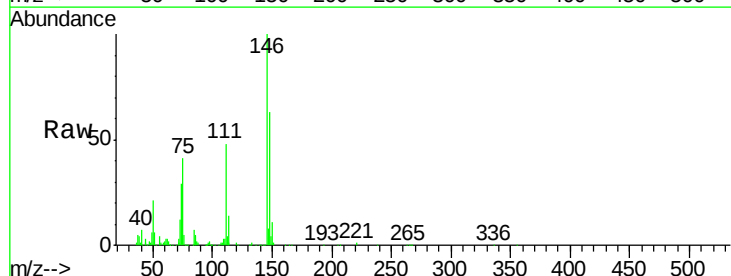
Instrument :
BNA_G
ClientSampleId :
P7-B5(6-12)CMS

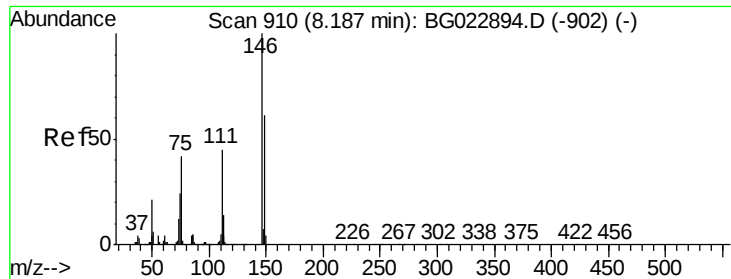
Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.4	55.0	95.0
95	28.5	11.0	51.0



#12
1,3-Dichlorobenzene
Concen: 23.97 ng
RT: 8.04 min Scan# 886
Delta R.T. 0.00 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
75	41.4	37.0	55.6

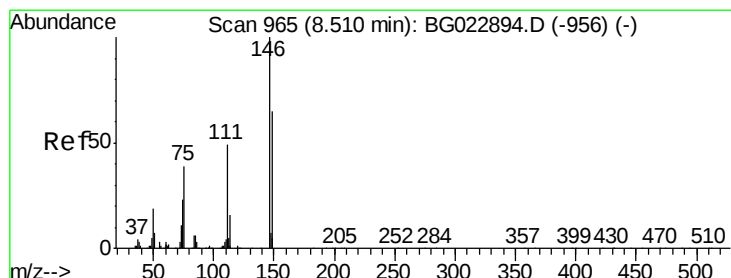
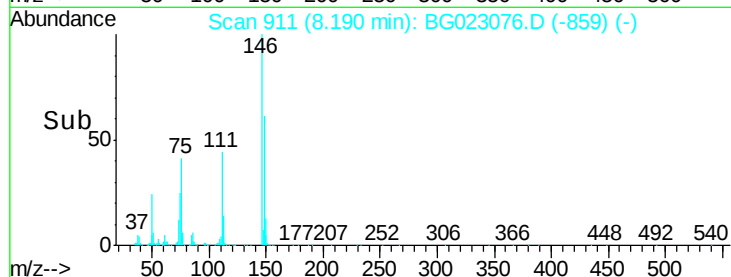
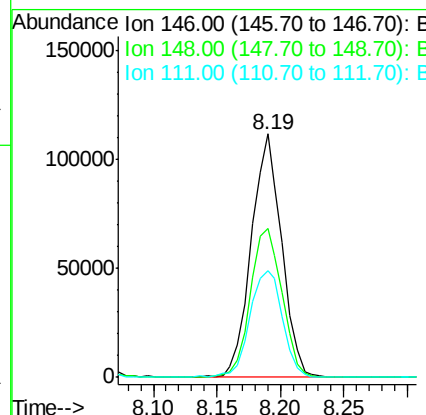
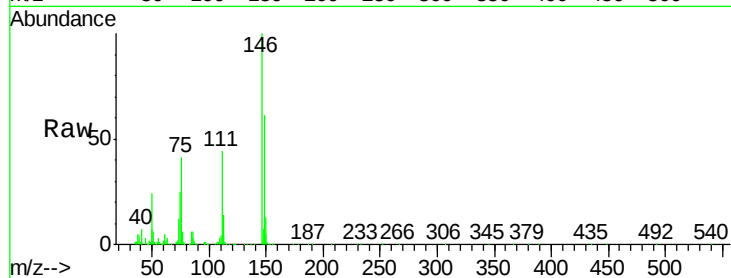




#13
 1,4-Dichlorobenzene
 Concen: 23.95 ng
 RT: 8.19 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BG023076.D
 Acq: 13 Jul 2016 19:10

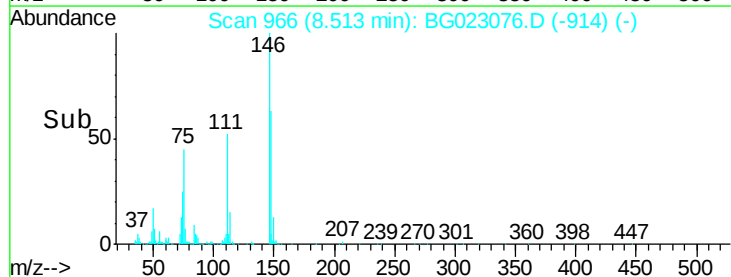
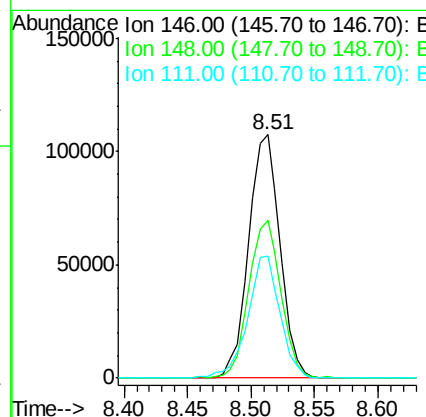
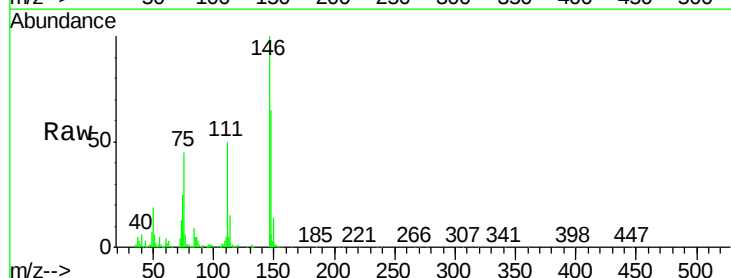
Instrument :
 BNA_G
 ClientSampleId :
 P7-B5(6-12)CMS

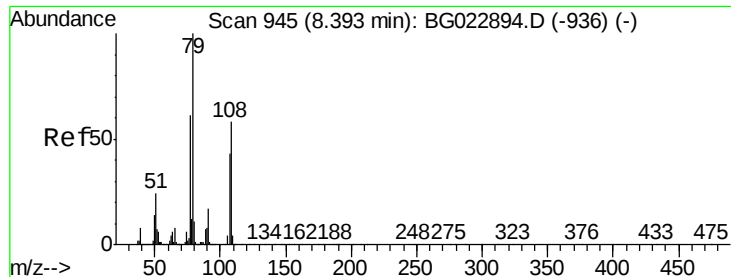
Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.0	54.5	81.7
111	44.1	37.8	56.8



#14
 1,2-Dichlorobenzene
 Concen: 23.97 ng
 RT: 8.51 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BG023076.D
 Acq: 13 Jul 2016 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.9	79.3
111	50.1	43.5	65.3





#15

Benzyl Alcohol

Concen: 30.27 ng

RT: 8.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

Instrument :

BNA_G

ClientSampleId :

P7-B5(6-12)CMS

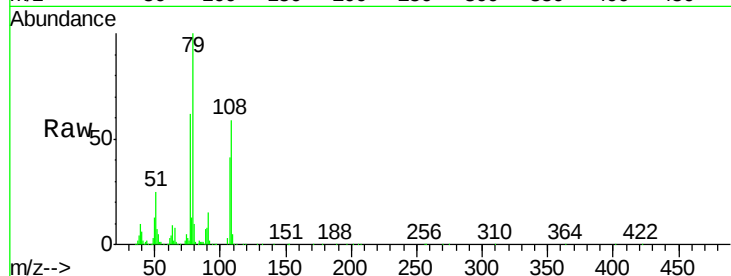
Tgt Ion: 79 Resp: 259274

Ion Ratio Lower Upper

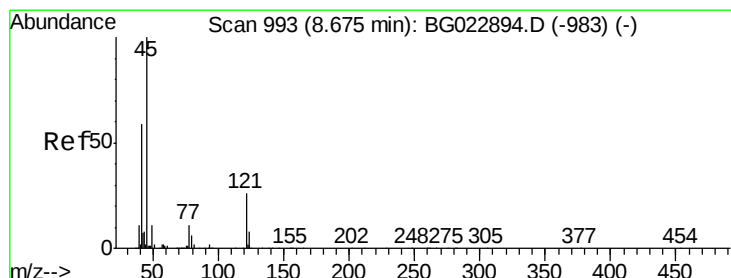
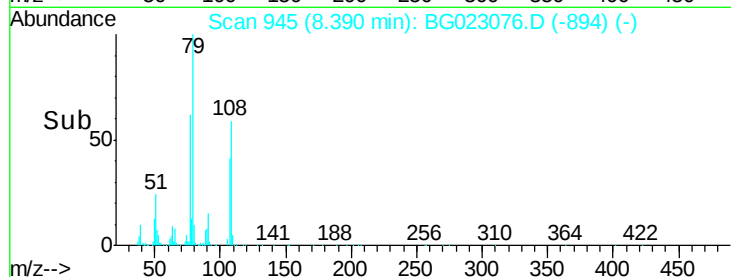
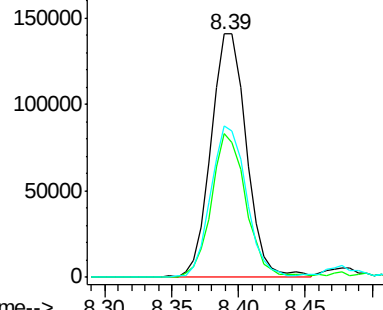
79 100

108 58.8 46.5 69.7

77 62.4 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: 26.03 ng

RT: 8.68 min Scan# 995

Delta R.T. 0.01 min

Lab File: BG023076.D

Acq: 13 Jul 2016 19:10

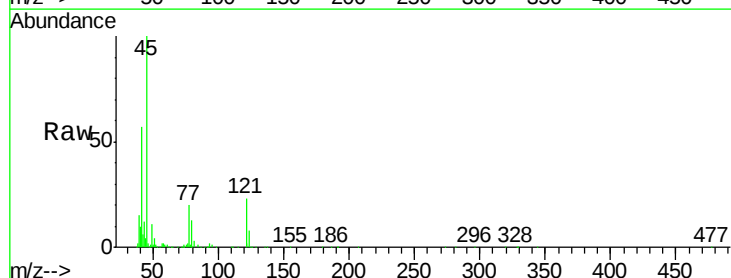
Tgt Ion: 45 Resp: 242451

Ion Ratio Lower Upper

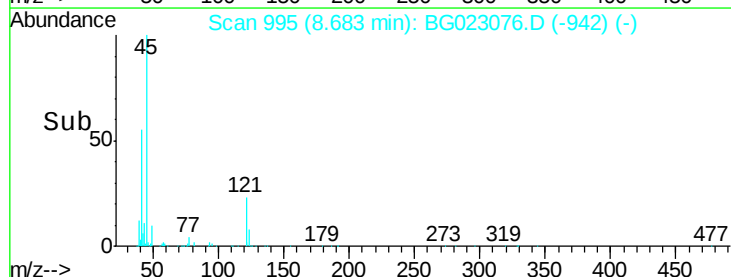
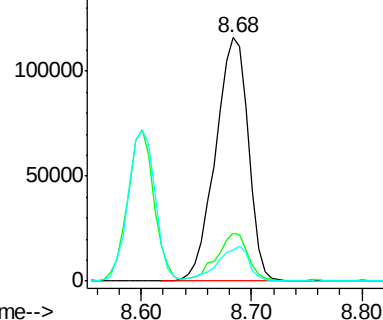
45 100

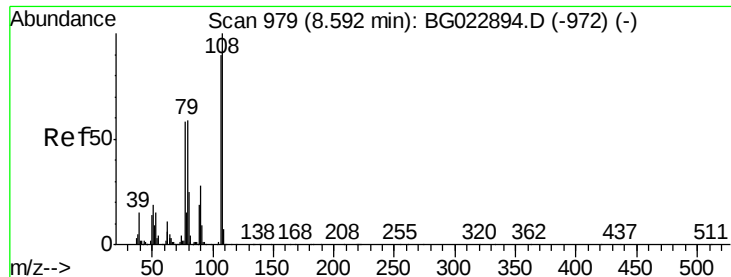
77 19.6 0.6 40.6

79 13.0 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

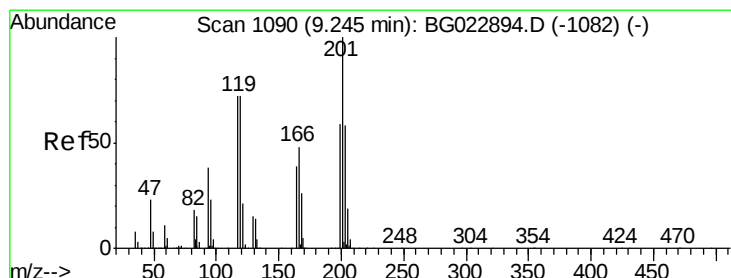
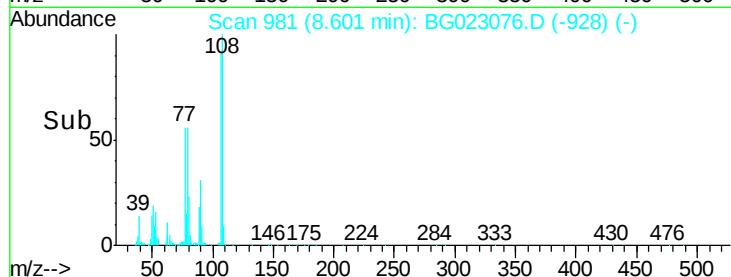
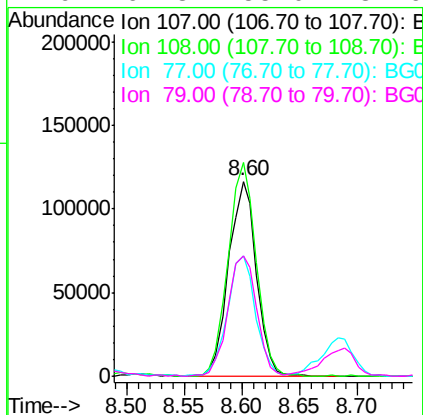
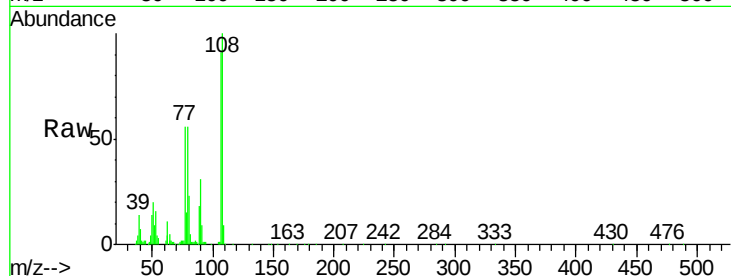




#17
2-Methylphenol
Concen: 31.00 ng
RT: 8.60 min Scan# 981
Delta R.T. 0.01 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

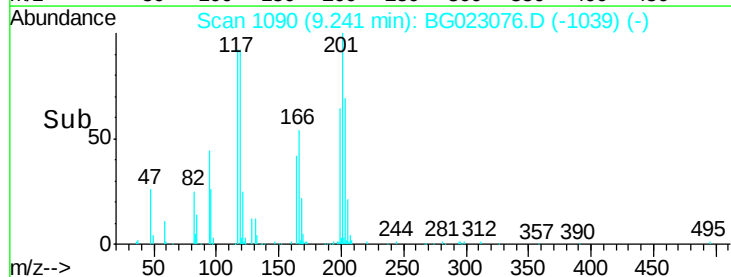
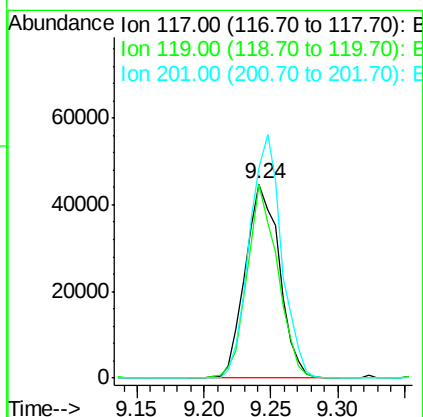
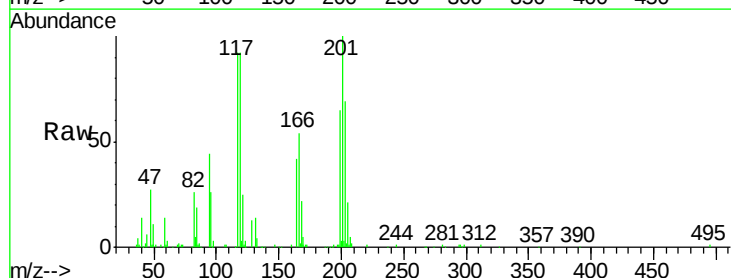
Instrument :
BNA_G
ClientSampleId :
P7-B5(6-12)CMS

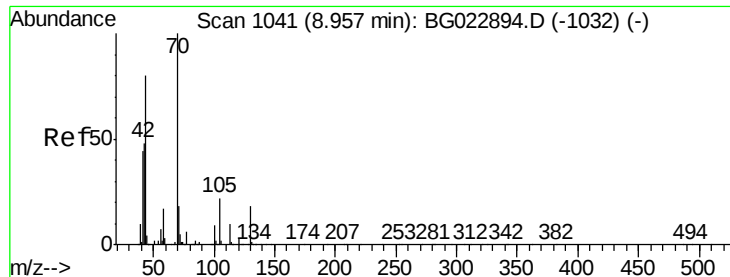
Tgt Ion:	107	Resp:	194130
Ion	Ratio	Lower	Upper
107	100		
108	109.7	92.0	138.0
77	61.9	55.8	83.6
79	61.8	55.0	82.6



#18
Hexachloroethane
Concen: 23.95 ng
RT: 9.24 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

Tgt Ion:	117	Resp:	78714
Ion	Ratio	Lower	Upper
117	100		
119	100.3	73.7	110.5
201	108.8	88.7	133.1

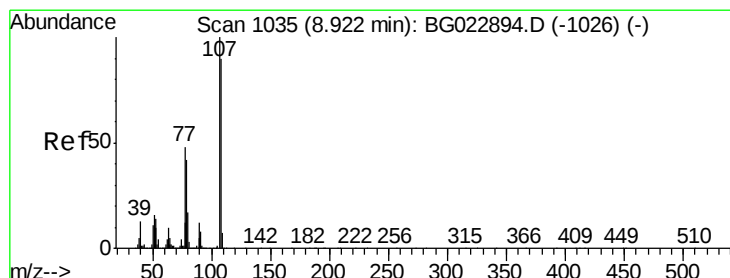
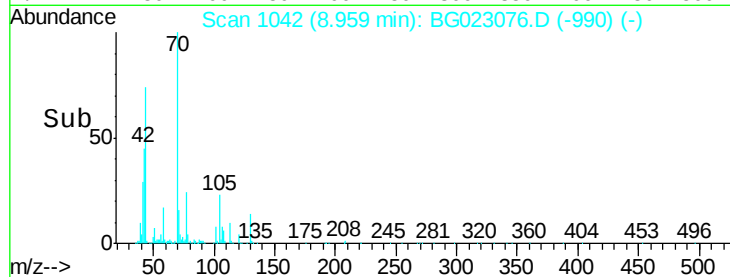
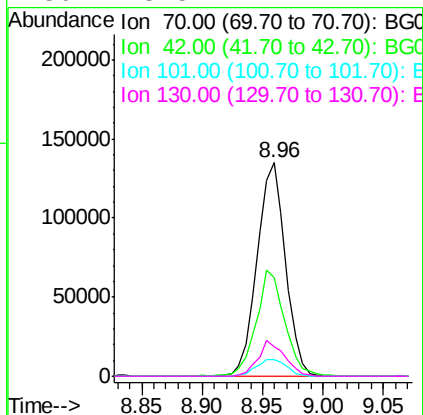
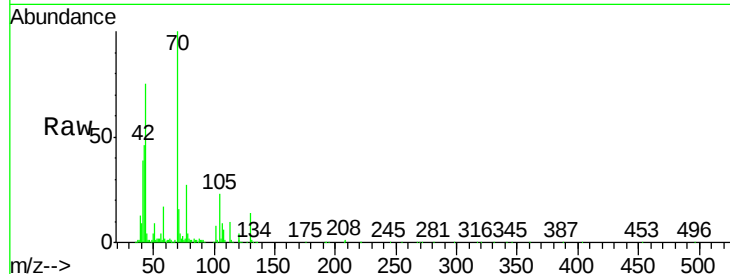




#19
n-Nitroso-di-n-propylamine
Concen: 26.06 ng
RT: 8.96 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

Instrument :
BNA_G
ClientSampleId :
P7-B5(6-12)CMS

Tgt Ion:	70	Resp:	219702
Ion	Ratio	Lower	Upper
70	100		
42	45.9	42.1	63.1
101	8.0	7.2	10.8
130	13.5	14.2	21.2#



#20
3+4-Methylphenols
Concen: 30.64 ng
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG023076.D
Acq: 13 Jul 2016 19:10

Tgt Ion:	107	Resp:	267592
Ion	Ratio	Lower	Upper
107	100		
108	90.6	72.5	112.5
77	44.2	30.1	70.1
79	41.7	24.2	64.2

