

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062916\
 Data File : BG022706.D
 Acq On : 29 Jun 2016 23:19
 Operator : UM/SJ
 Sample : H3828-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S8-0581MS

Quant Time: Jun 30 04:28:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	89961	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	440970	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	365264	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	1002529	20.00	ng	0.00
75) Chrysene-d12	21.84	240	1117186	20.00	ng	0.00
86) Perylene-d12	25.20	264	1176689	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	392441	69.97	ng	0.00
7) Phenol-d6	7.30	99	422106	53.39	ng	0.00
23) Nitrobenzene-d5	9.33	82	822274	78.92	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	848399	147.67	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1903848	82.66	ng	0.00
78) Terphenyl-d14	20.15	244	2884425	68.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	38336	16.86	ng	94
3) Pyridine	3.98	79	42447	6.68	ng	90
4) n-Nitrosodimethylamine	3.90	42	30901	8.50	ng	# 95
6) Aniline	7.48	93	149453	14.26	ng	90
8) 2-Chlorophenol	7.71	128	113512	19.54	ng	98
9) Benzaldehyde	7.29	77	109276	39.28	ng	92
10) Phenol	7.33	94	75272	9.01	ng	93
11) bis(2-Chloroethyl)ether	7.57	93	138888	20.19	ng	95
12) 1,3-Dichlorobenzene	8.05	146	120156	17.00	ng	97
13) 1,4-Dichlorobenzene	8.20	146	123025	17.36	ng	99
14) 1,2-Dichlorobenzene	8.51	146	122578	18.19	ng	96
15) Benzyl Alcohol	8.40	79	123345	16.86	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.69	45	154577	20.32	ng	99
17) 2-Methylphenol	8.59	107	100324	18.22	ng	# 86
18) Hexachloroethane	9.25	117	47367	16.15	ng	# 83
19) n-Nitroso-di-n-propylamine	8.96	70	151573	23.02	ng	95
20) 3+4-Methylphenols	8.92	107	122868	16.20	ng	91
22) Acetophenone	8.98	105	252666	19.82	ng	# 95
24) Nitrobenzene	9.37	77	218340	18.96	ng	91
25) Isophorone	9.89	82	439655	21.74	ng	99
26) 2-Nitrophenol	10.09	139	82116	19.80	ng	# 81
27) 2,4-Dimethylphenol	10.13	122	146039	18.43	ng	97
28) bis(2-Chloroethoxy)methane	10.38	93	233503	21.14	ng	96
29) 2,4-Dichlorophenol	10.62	162	163715	21.20	ng	96
30) 1,2,4-Trichlorobenzene	10.85	180	161164	17.58	ng	93
31) Naphthalene	11.03	128	431307	19.46	ng	98
32) Benzoic acid	10.21	122	36702	11.44	ng	# 81
33) 4-Chloroaniline	11.14	127	158583	16.61	ng	96
34) Hexachlorobutadiene	11.32	225	121284	17.02	ng	92
35) Caprolactam	11.94	113	11861	4.88	ng	# 57
36) 4-Chloro-3-methylphenol	12.24	107	204174	21.54	ng	94
37) 2-Methylnaphthalene	12.63	142	367606	21.39	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.00	216	239586	17.37	ng	99
40) Hexachlorocyclopentadiene	12.97	237	438136	39.80	ng	95

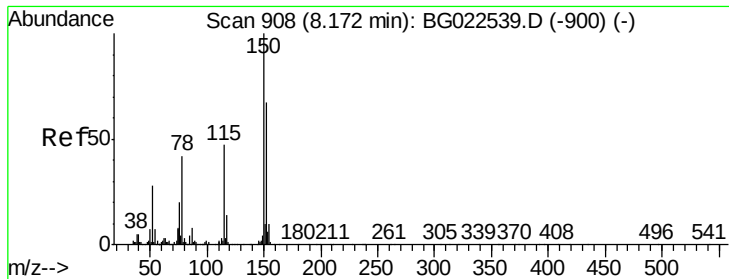
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062916\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.23	196	180967	20.47	ng	90
43) 2,4,5-Trichlorophenol	13.30	196	202831	21.92	ng	95
45) 1,1'-Biphenyl	13.63	154	550268	19.78	ng	99
46) 2-Chloronaphthalene	13.68	162	439677	19.20	ng	95
47) 2-Nitroaniline	13.88	65	186643	21.12	ng	89
48) Acenaphthylene	14.52	152	704939	21.23	ng	99
49) Dimethylphthalate	14.24	163	766962	25.31	ng	98
50) 2,6-Dinitrotoluene	14.37	165	151844	23.06	ng	87
51) Acenaphthene	14.86	154	452849	18.51	ng	97
52) 3-Nitroaniline	14.70	138	111548	18.11	ng	# 96
53) 2,4-Dinitrophenol	14.91	184	270589	66.72	ng	91
54) Dibenzofuran	15.20	168	777121	21.93	ng	97
55) 4-Nitrophenol	14.99	139	160650	30.84	ng	95
56) 2,4-Dinitrotoluene	15.15	165	217371	23.83	ng	97
57) Fluorene	15.85	166	651909	23.06	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.33	232	226960	23.66	ng	91
59) Diethylphthalate	15.60	149	758000	24.33	ng	98
60) 4-Chlorophenyl-phenylether	15.83	204	389114	23.12	ng	95
61) 4-Nitroaniline	15.86	138	144954	22.80	ng	# 81
62) Azobenzene	16.13	77	751009	22.26	ng	93
64) 4,6-Dinitro-2-methylphenol	15.92	198	140193	20.85	ng	96
65) n-Nitrosodiphenylamine	16.05	169	609299	20.89	ng	98
66) 4-Bromophenyl-phenylether	16.73	248	273634	21.04	ng	95
67) Hexachlorobenzene	16.85	284	295546	21.49	ng	98
68) Atrazine	16.99	200	269055	21.84	ng	97
69) Pentachlorophenol	17.20	266	575916	60.85	ng	98
70) Phenanthrene	17.60	178	1144007	22.38	ng	98
71) Anthracene	17.68	178	1155777	21.96	ng	98
72) Carbazole	17.96	167	1002874	22.48	ng	96
73) Di-n-butylphthalate	18.50	149	1155846	22.25	ng	96
74) Fluoranthene	19.60	202	1382456	23.47	ng	96
76) Benzidine	19.78	184	398657	33.52	ng	99
77) Pyrene	19.96	202	1384851	23.27	ng	95
79) Butylbenzylphthalate	20.83	149	545932	21.19	ng	93
80) Benzo(a)anthracene	21.82	228	1448153	23.43	ng	94
81) 3,3'-Dichlorobenzidine	21.73	252	433676	16.98	ng	99
82) Chrysene	21.89	228	1375768	23.68	ng	99
83) Bis(2-ethylhexyl)phthalate	21.71	149	753787	20.78	ng	98
84) Di-n-octyl phthalate	22.97	149	1281854	21.44	ng	96
85) Indeno(1,2,3-cd)pyrene	29.04	276	1691774	22.16	ng	# 100
87) Benzo(b)fluoranthene	24.12	252	1557815	22.02	ng	99
88) Benzo(k)fluoranthene	24.19	252	1481663	22.15	ng	# 97
89) Benzo(a)pyrene	25.04	252	1422237	20.62	ng	98
90) Dibenzo(a,h)anthracene	29.10	278	1438869	22.16	ng	# 95
91) Benzo(g,h,i)perylene	30.23	276	1419351	21.47	ng	# 97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

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ClientSampleId :

S8-0581MS

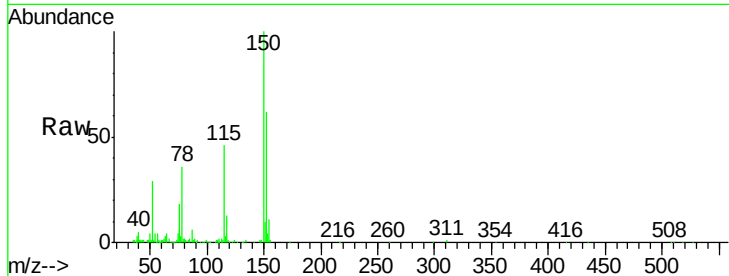
Tgt Ion:152 Resp: 89961

Ion Ratio Lower Upper

152 100

150 162.4 144.7 217.1

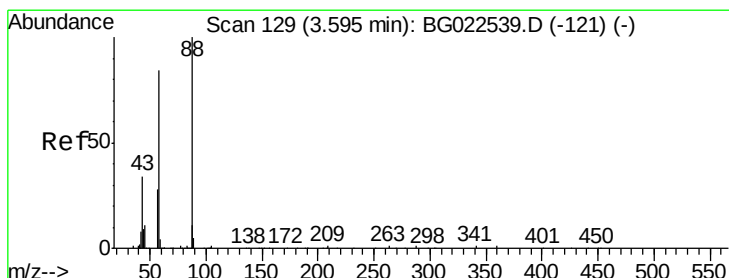
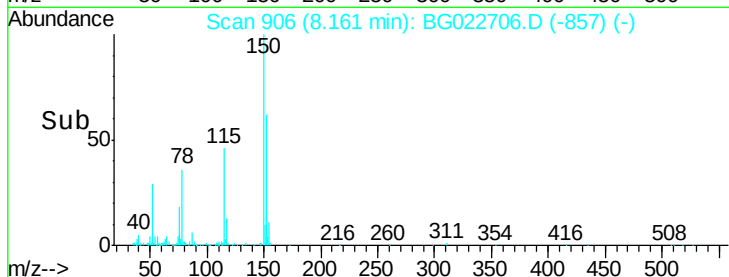
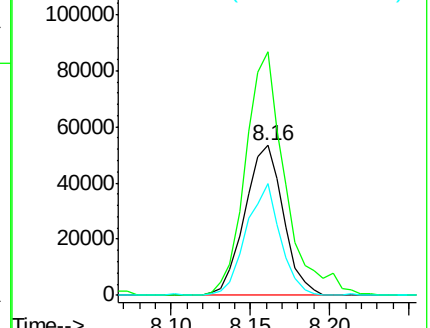
115 74.3 64.0 96.0



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: 16.86 ng

RT: 3.57 min Scan# 125

Delta R.T. -0.02 min

Lab File: BG022706.D

Acq: 29 Jun 2016 23:19

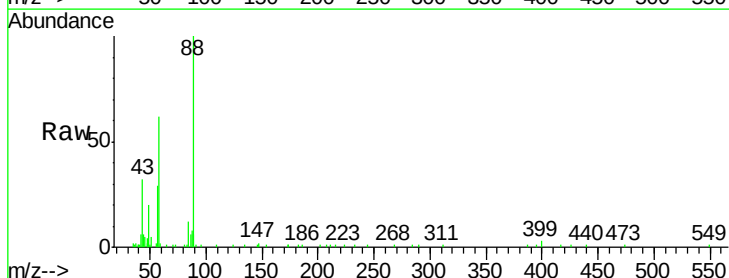
Tgt Ion: 88 Resp: 38336

Ion Ratio Lower Upper

88 100

58 70.4 60.4 90.6

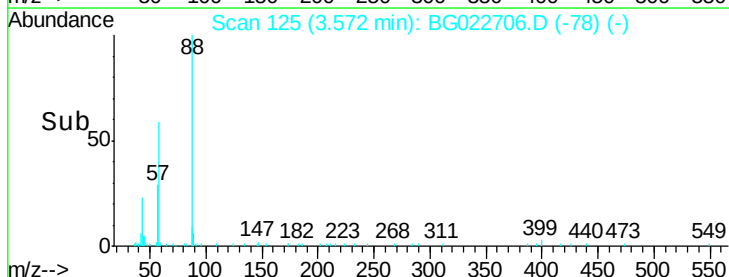
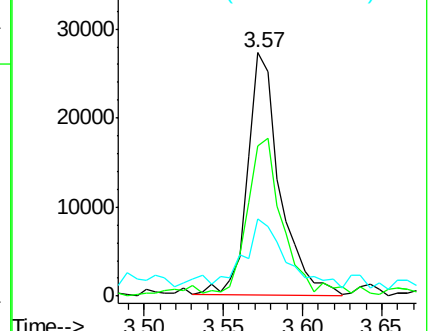
43 35.9 31.1 46.7

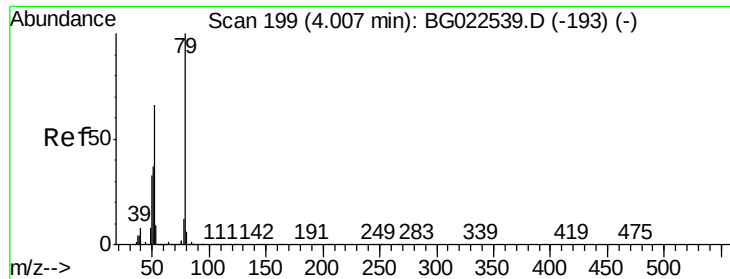


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 6.68 ng

RT: 3.98 min Scan# 195

Delta R.T. -0.02 min

Lab File: BG022706.D

Acq: 29 Jun 2016 23:19

Instrument :

BNA_G

ClientSampleId :

S8-0581MS

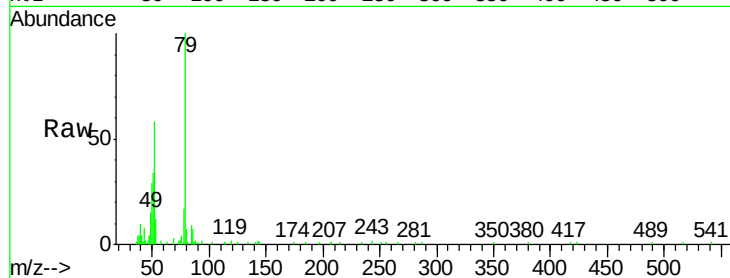
Tgt Ion: 79 Resp: 42447

Ion Ratio Lower Upper

79 100

52 57.8 51.8 77.8

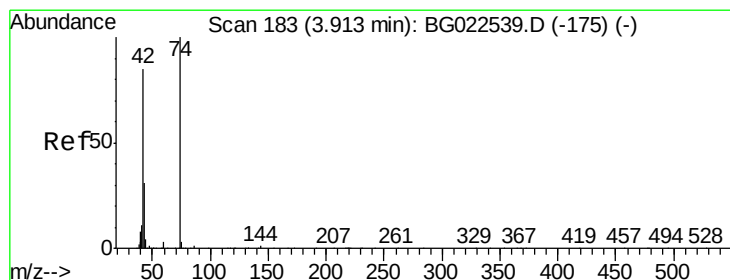
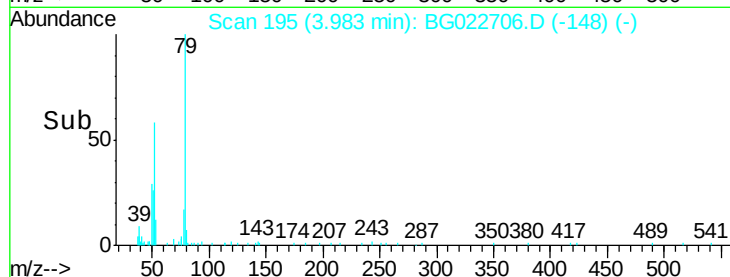
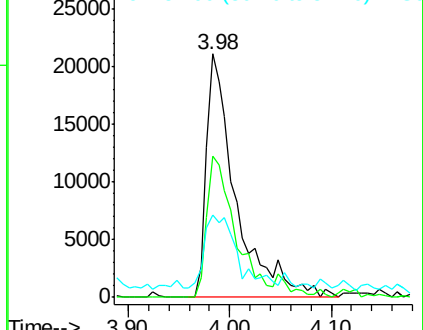
51 34.0 32.7 49.1



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: 8.50 ng

RT: 3.90 min Scan# 180

Delta R.T. -0.02 min

Lab File: BG022706.D

Acq: 29 Jun 2016 23:19

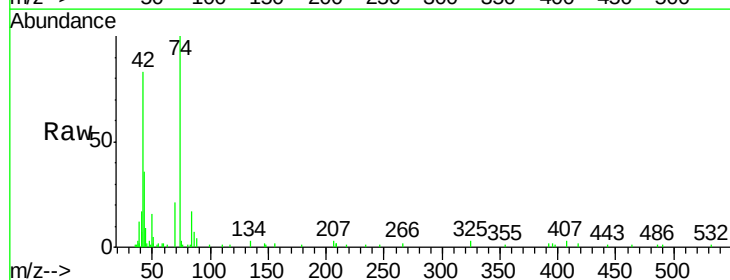
Tgt Ion: 42 Resp: 30901

Ion Ratio Lower Upper

42 100

74 120.0 100.6 150.8

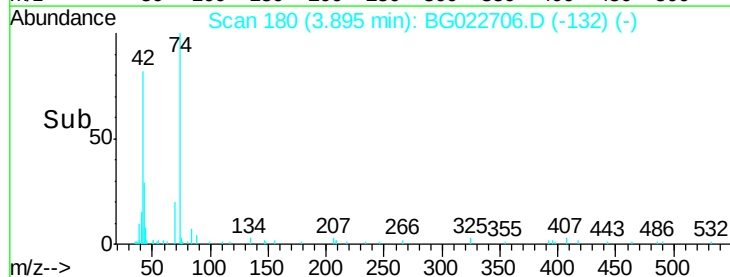
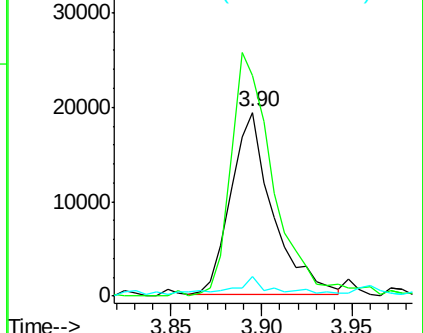
44 10.4 4.5 6.7#

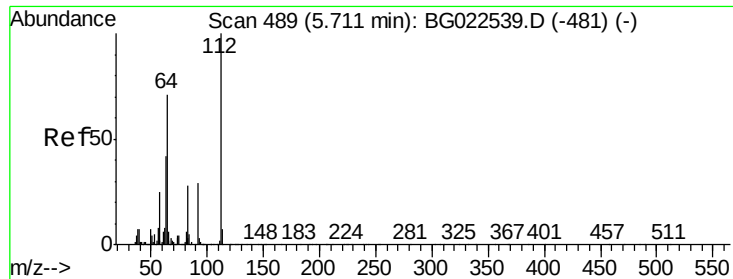


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 69.97 ng

RT: 5.70 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG022706.D

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S8-0581MS

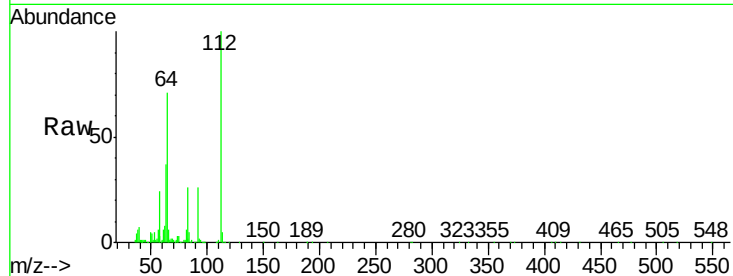
Tgt Ion: 112 Resp: 392441

Ion Ratio Lower Upper

112 100

64 70.8 59.0 88.4

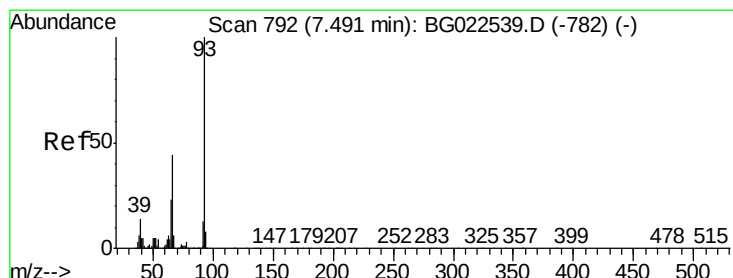
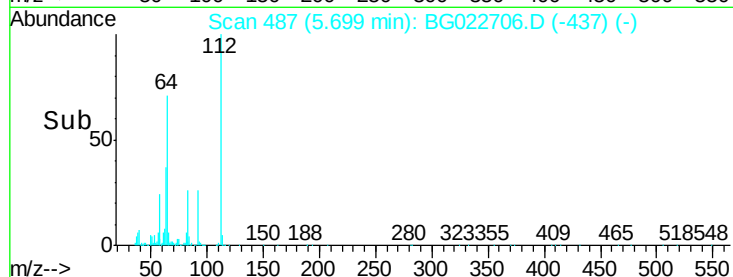
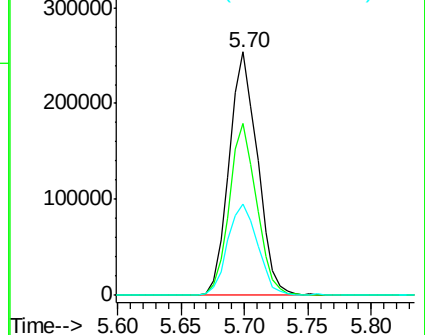
63 37.3 37.8 56.8#



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: 14.26 ng

RT: 7.48 min Scan# 790

Delta R.T. -0.01 min

Lab File: BG022706.D

Acq: 29 Jun 2016 23:19

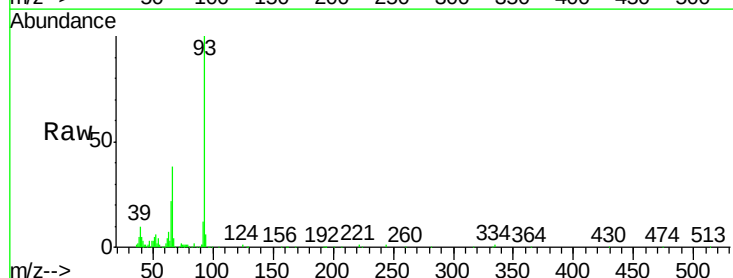
Tgt Ion: 93 Resp: 149453

Ion Ratio Lower Upper

93 100

66 37.8 37.5 56.3

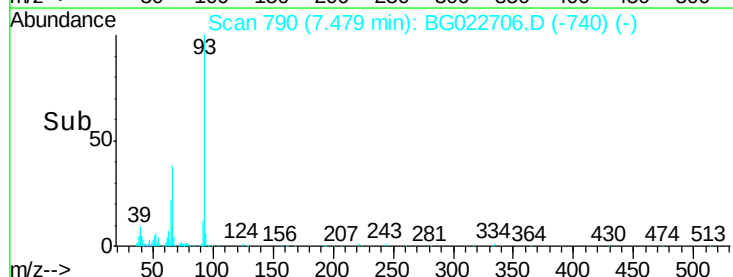
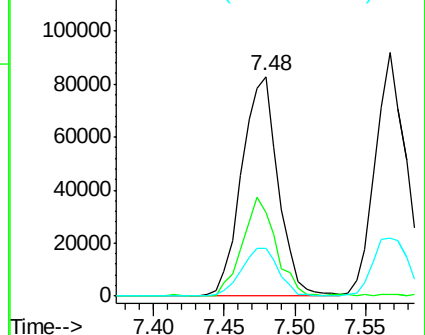
65 21.8 17.9 26.9

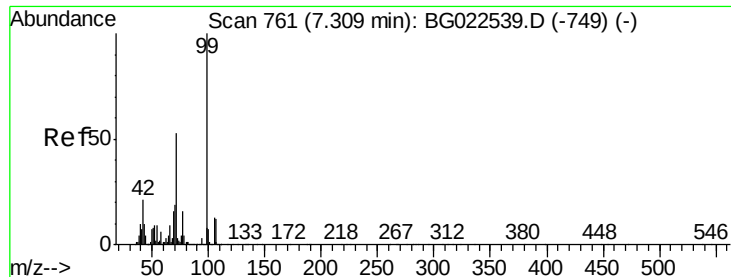


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 53.39 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

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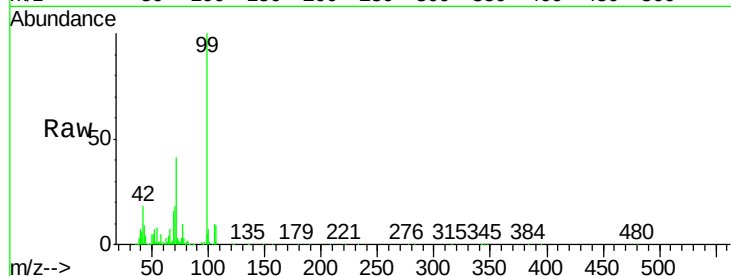
Tgt Ion: 99 Resp: 422106

Ion Ratio Lower Upper

99 100

42 18.0 17.8 26.6

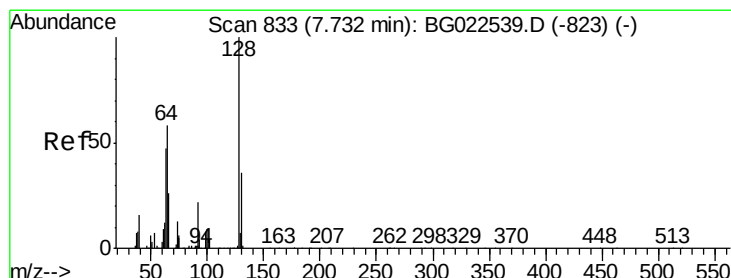
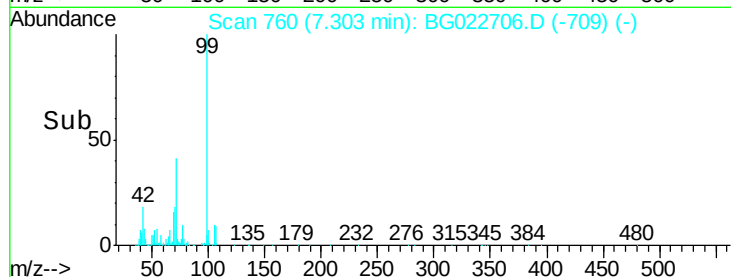
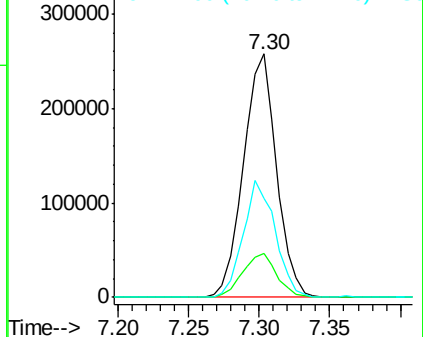
71 40.5 41.5 62.3#



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: 19.54 ng

RT: 7.71 min Scan# 830

Delta R.T. -0.01 min

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Acq: 29 Jun 2016 23:19

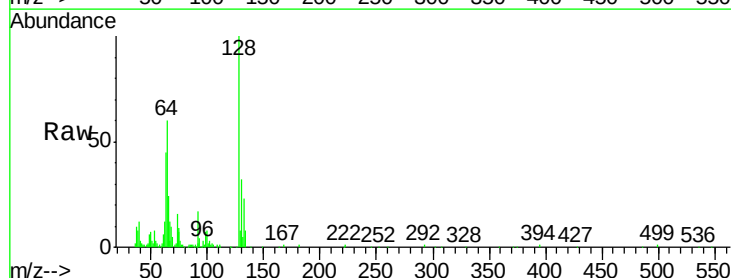
Tgt Ion: 128 Resp: 113512

Ion Ratio Lower Upper

128 100

130 31.7 12.9 52.9

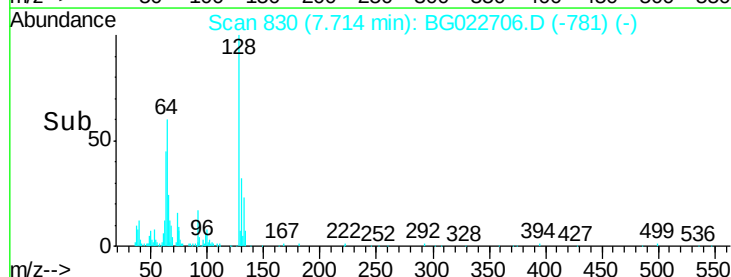
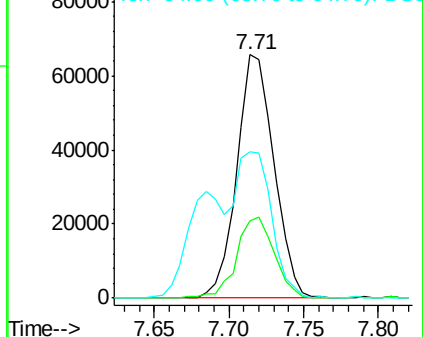
64 60.3 42.0 82.0

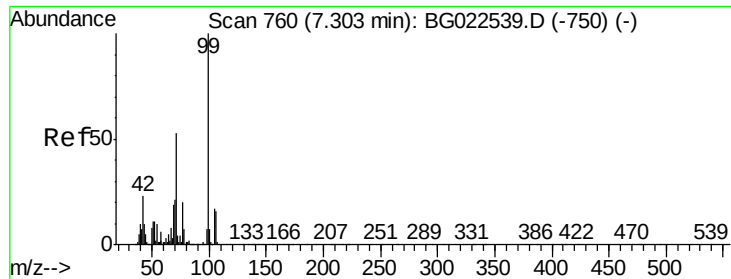


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 39.28 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

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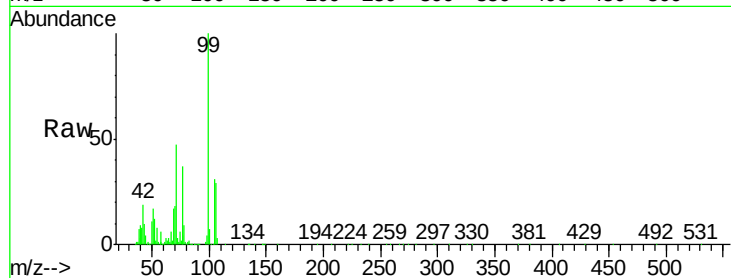
Tgt Ion: 77 Resp: 109276

Ion Ratio Lower Upper

77 100

105 81.6 58.7 98.7

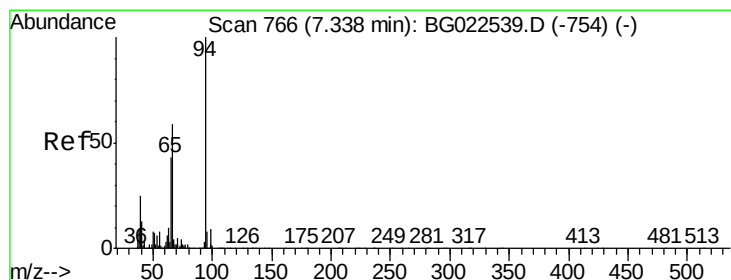
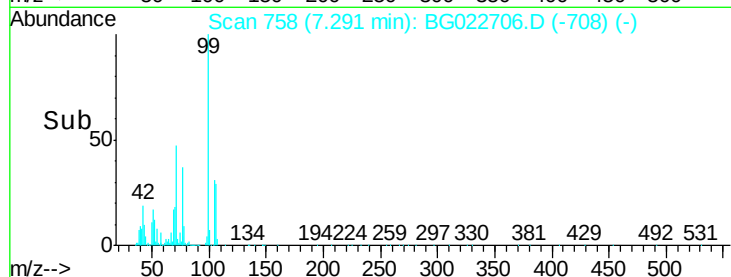
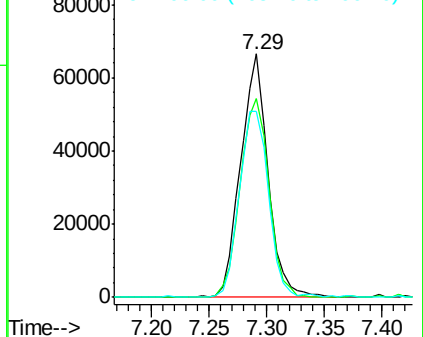
106 76.5 67.5 107.5



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: 9.01 ng

RT: 7.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BG022706.D

Acq: 29 Jun 2016 23:19

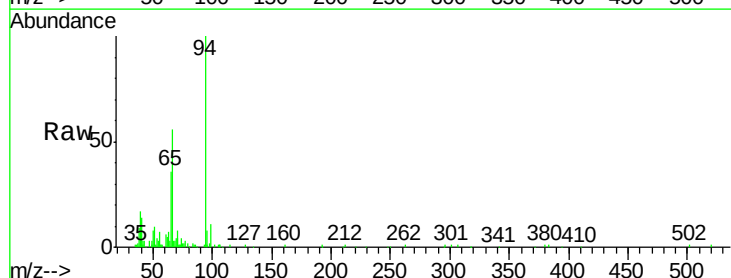
Tgt Ion: 94 Resp: 75272

Ion Ratio Lower Upper

94 100

65 35.9 18.1 58.1

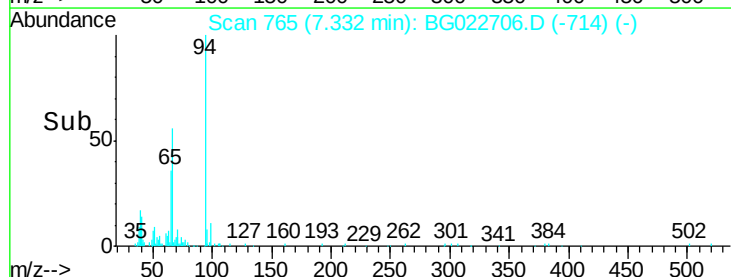
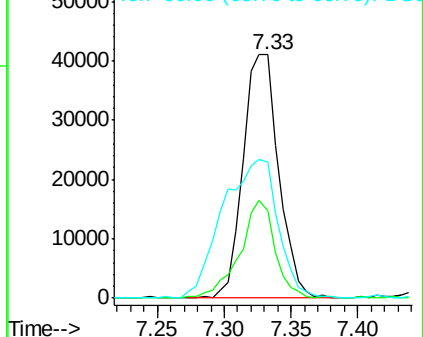
66 55.7 42.1 82.1

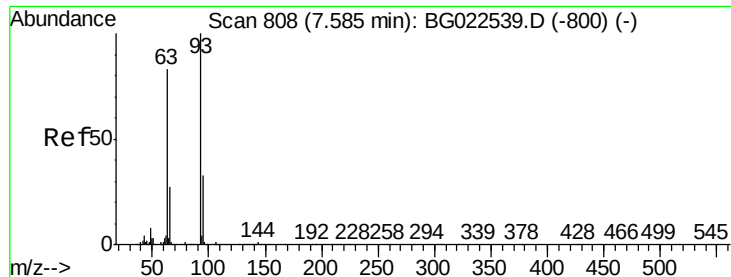


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

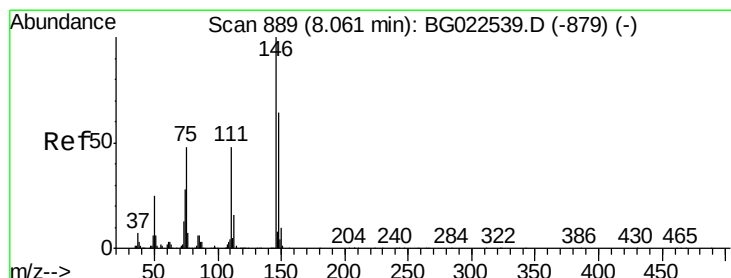
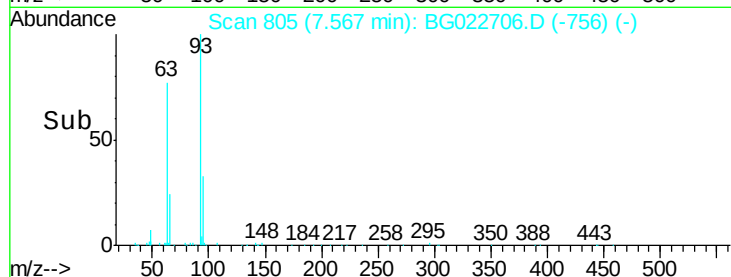
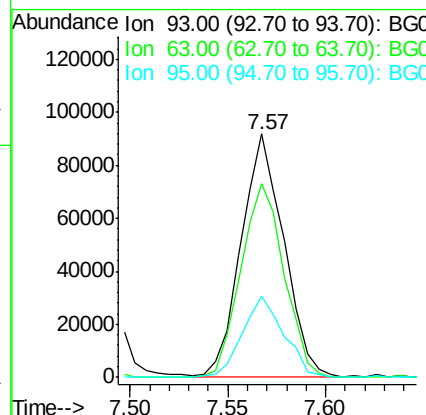
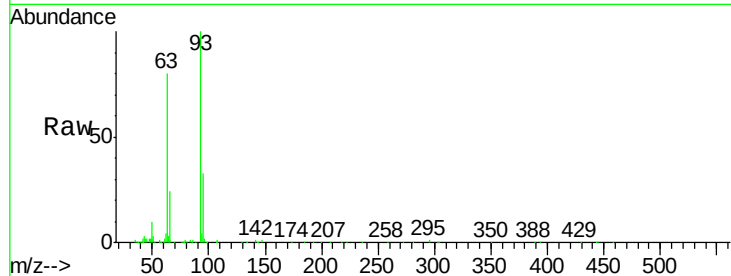




#11
bis(2-Chloroethyl)ether
Concen: 20.19 ng
RT: 7.57 min Scan# 805
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

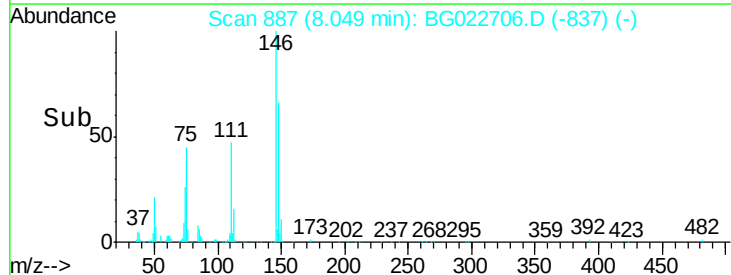
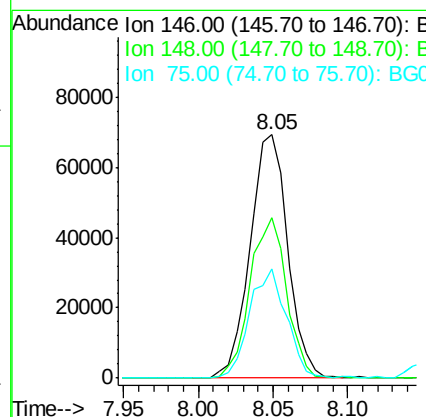
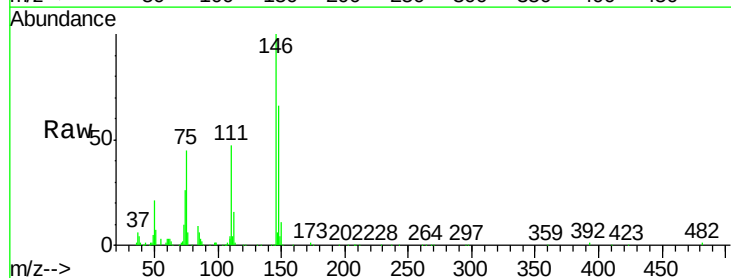
Instrument :
BNA_G
ClientSampleId :
S8-0581MS

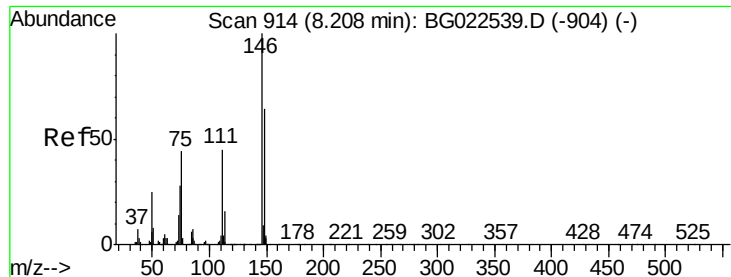
Tgt Ion: 93 Resp: 138888
Ion Ratio Lower Upper
93 100
63 79.5 55.0 95.0
95 33.4 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 17.00 ng
RT: 8.05 min Scan# 887
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Tgt Ion: 146 Resp: 120156
Ion Ratio Lower Upper
146 100
148 65.7 50.3 75.5
75 44.9 37.0 55.6

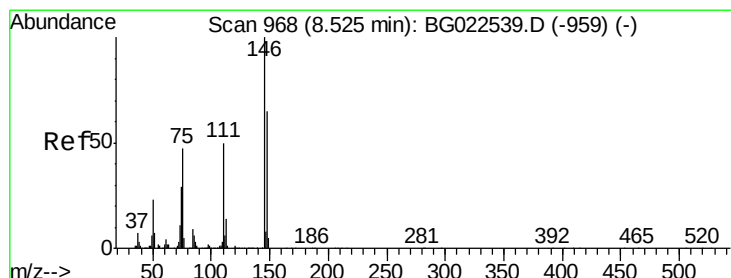
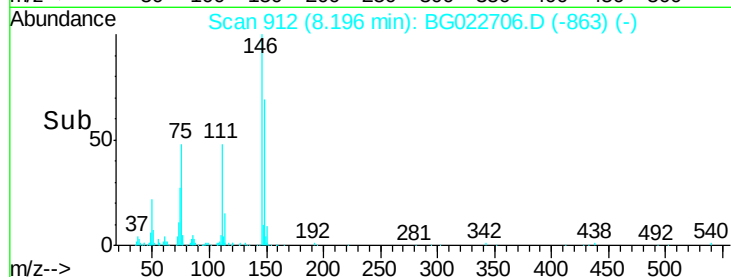
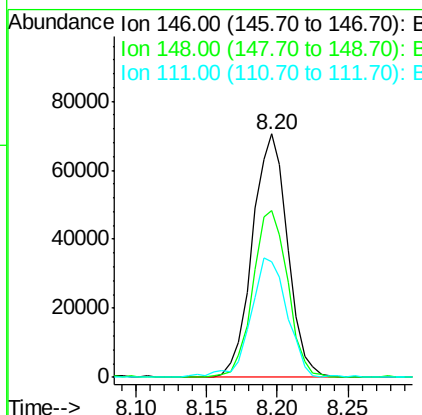
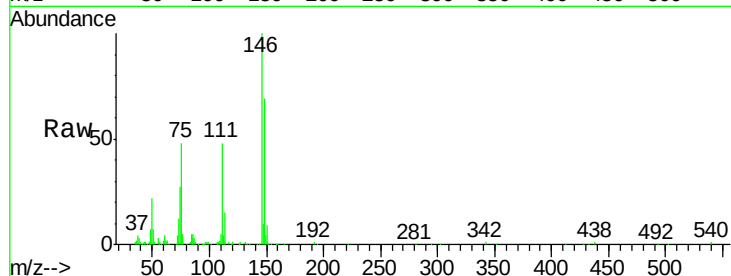




#13
 1,4-Dichlorobenzene
 Concen: 17.36 ng
 RT: 8.20 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BG022706.D
 Acq: 29 Jun 2016 23:19

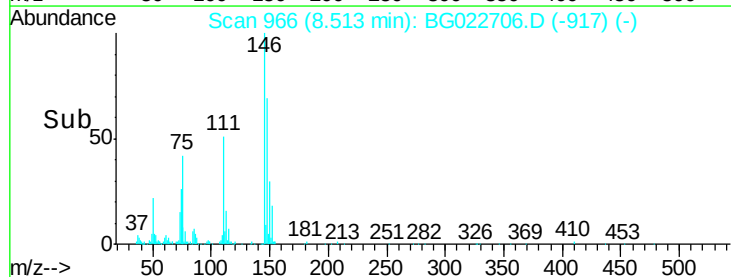
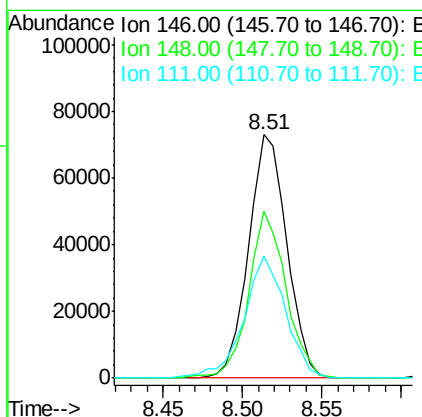
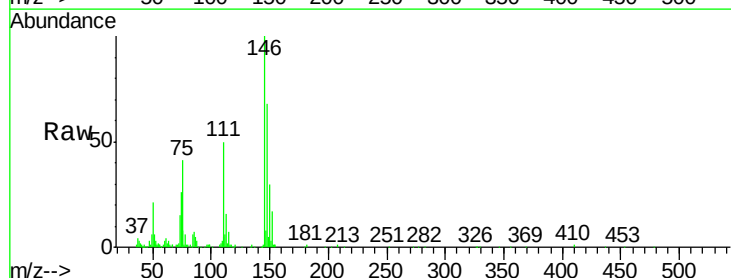
Instrument :
 BNA_G
 ClientSampleId :
 S8-0581MS

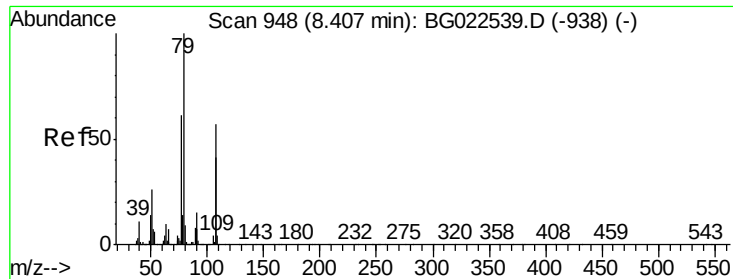
Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.6	54.5	81.7
111	47.7	37.8	56.8



#14
 1,2-Dichlorobenzene
 Concen: 18.19 ng
 RT: 8.51 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BG022706.D
 Acq: 29 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.3	52.9	79.3
111	50.1	43.5	65.3

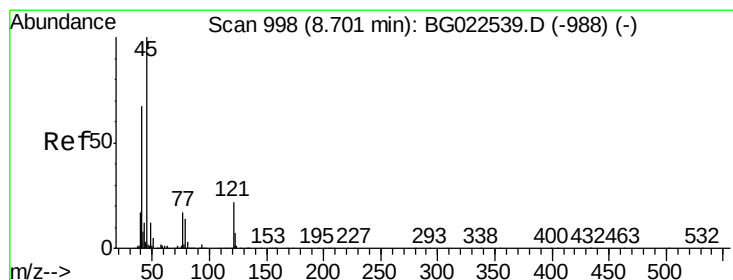
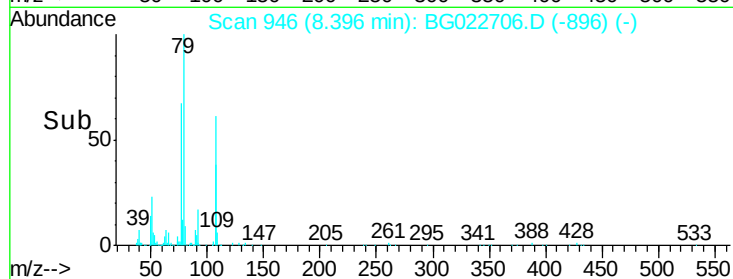
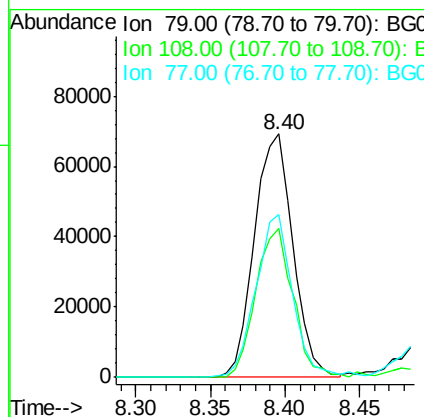
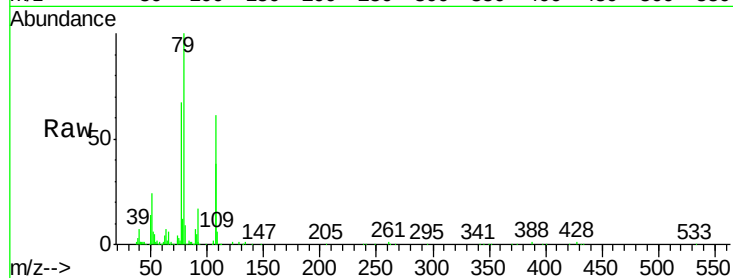




#15
Benzyl Alcohol
Concen: 16.86 ng
RT: 8.40 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

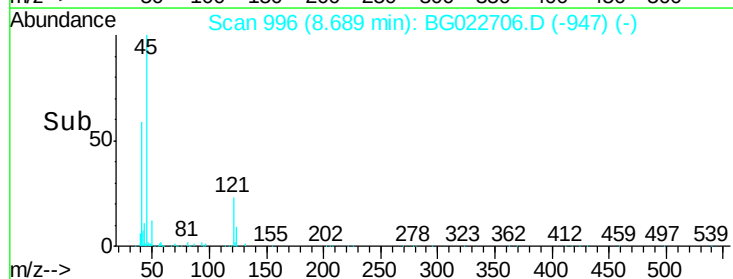
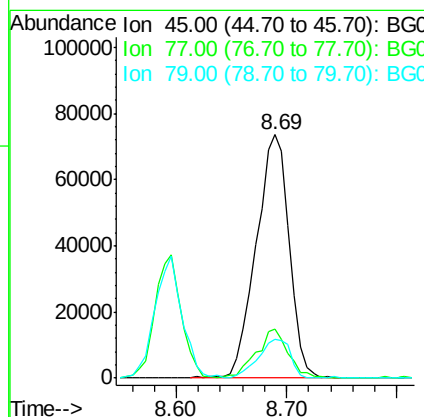
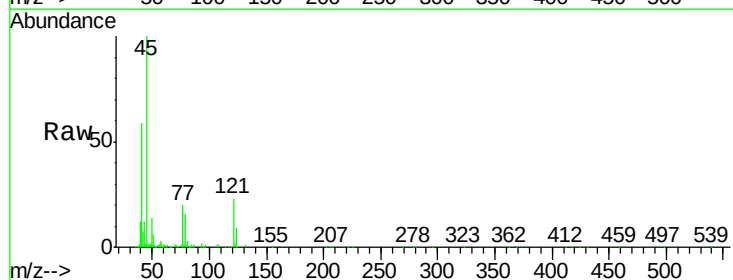
Instrument :
BNA_G
ClientSampleId :
S8-0581MS

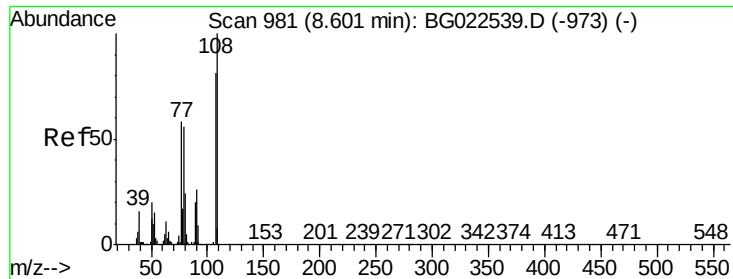
Tgt Ion	Ratio	Lower	Upper
79	100		
108	61.2	46.5	69.7
77	67.0	52.3	78.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.32 ng
RT: 8.69 min Scan# 996
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Tgt Ion	Ratio	Lower	Upper
45	100		
77	20.0	0.6	40.6
79	15.7	0.0	36.2

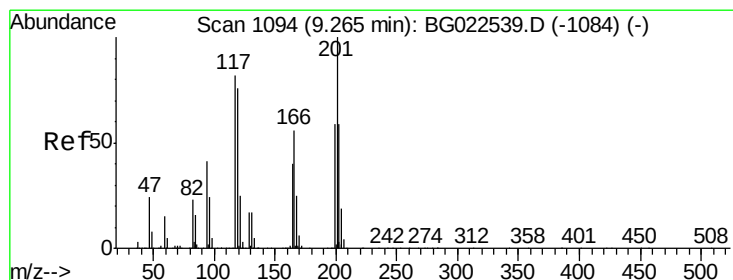
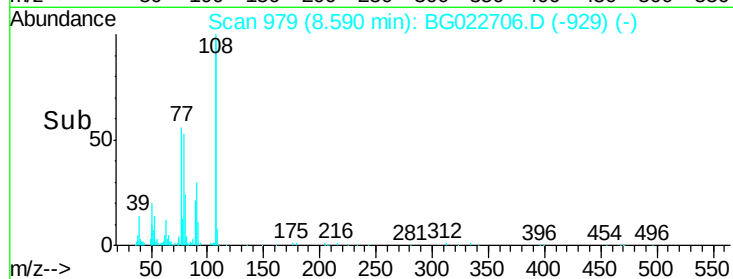
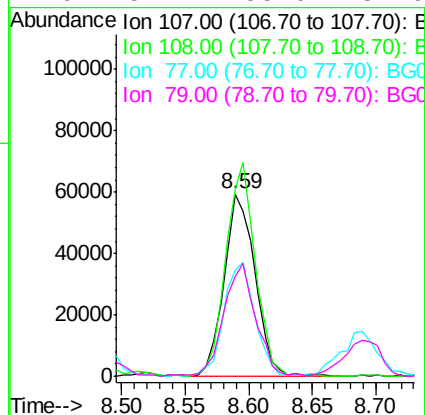
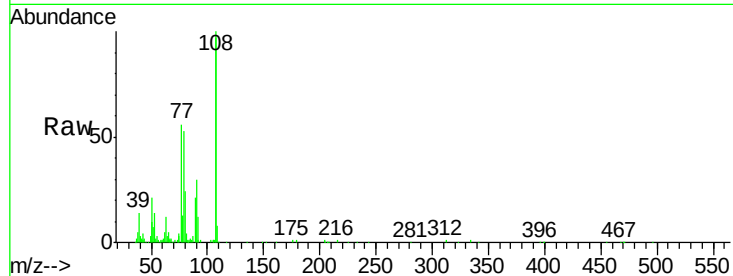




#17
2-Methylphenol
Concen: 18.22 ng
RT: 8.59 min Scan# 979
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

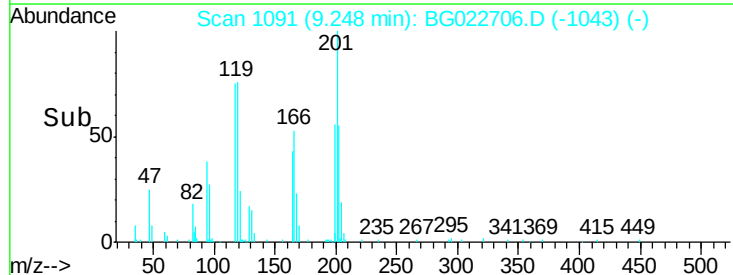
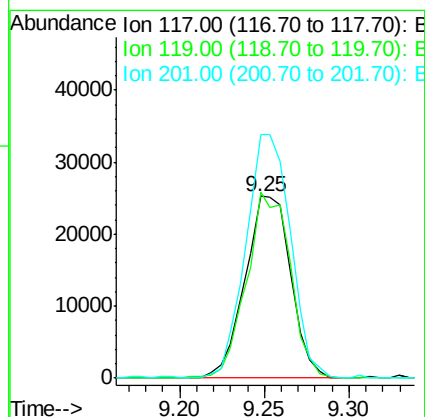
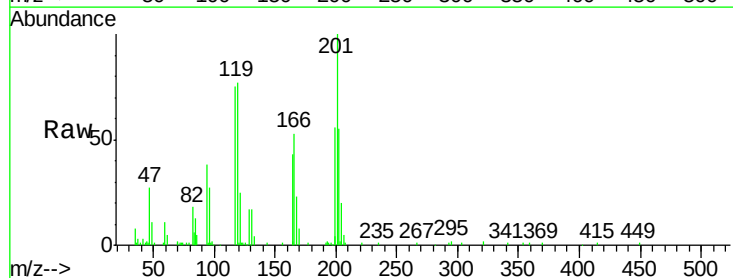
Instrument :
BNA_G
ClientSampleId :
S8-0581MS

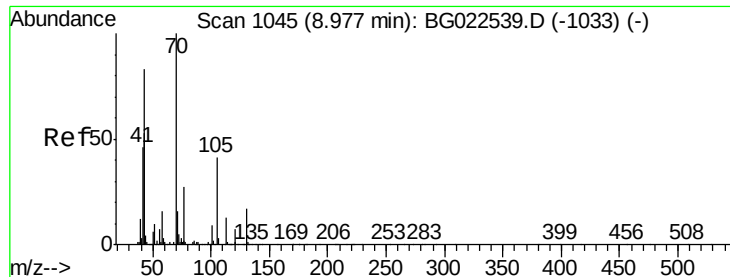
Tgt Ion:	107	Resp:	100324
Ion	Ratio	Lower	Upper
107	100		
108	102.8	92.0	138.0
77	58.1	55.8	83.6
79	54.7	55.0	82.6#



#18
Hexachloroethane
Concen: 16.15 ng
RT: 9.25 min Scan# 1091
Delta R.T. -0.02 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Tgt Ion:	117	Resp:	47367
Ion	Ratio	Lower	Upper
117	100		
119	102.7	73.7	110.5
201	134.0	88.7	133.1#

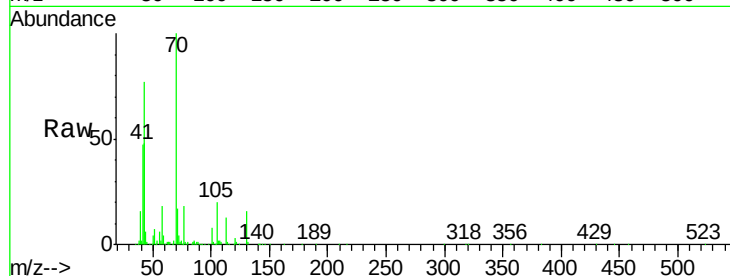




#19
n-Nitroso-di-n-propylamine
Concen: 23.02 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Instrument :
BNA_G
ClientSampleId :
S8-0581MS

Tgt Ion:	70	Resp:	151573
Ion	Ratio	Lower	Upper
70	100		
42	48.1	42.1	63.1
101	8.3	7.2	10.8
130	16.4	14.2	21.2



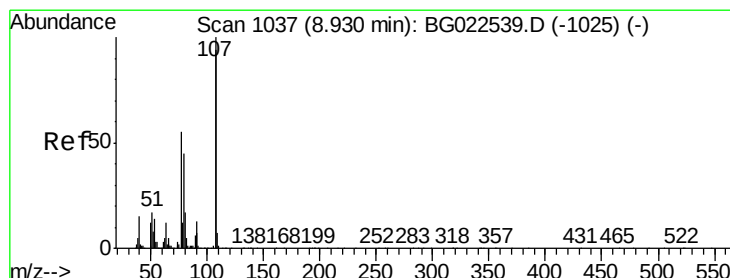
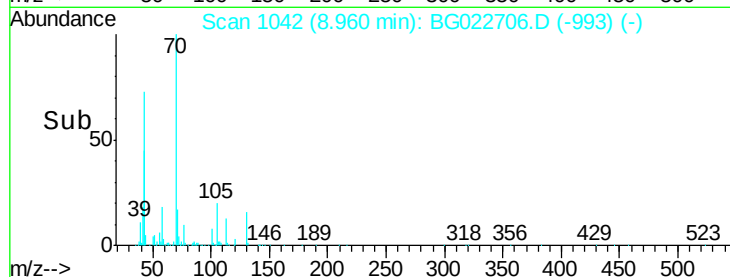
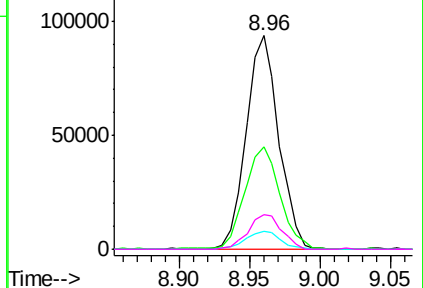
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

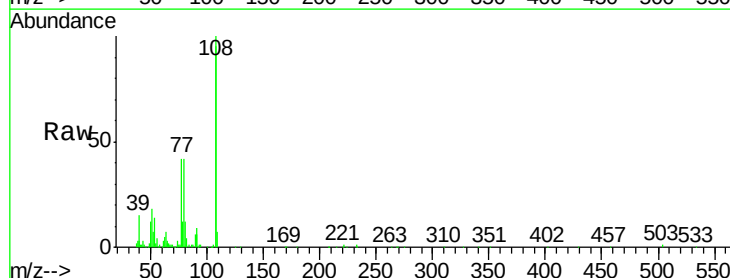
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 16.20 ng
RT: 8.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Tgt Ion:	107	Resp:	122868
Ion	Ratio	Lower	Upper
107	100		
108	105.2	72.5	112.5
77	44.1	30.1	70.1
79	43.8	24.2	64.2



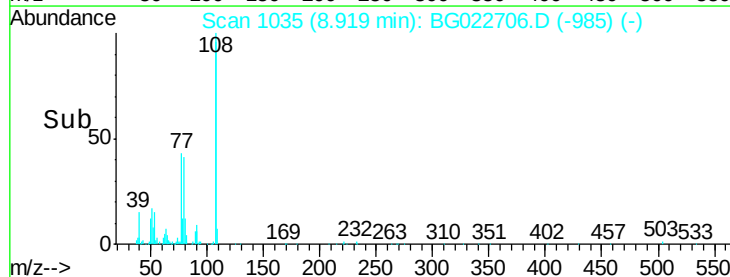
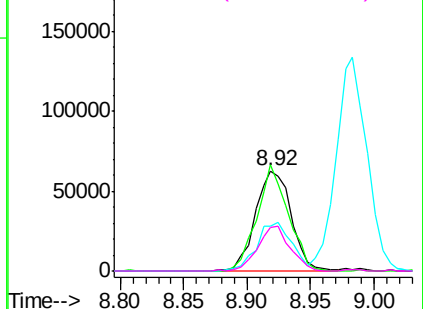
Abundance

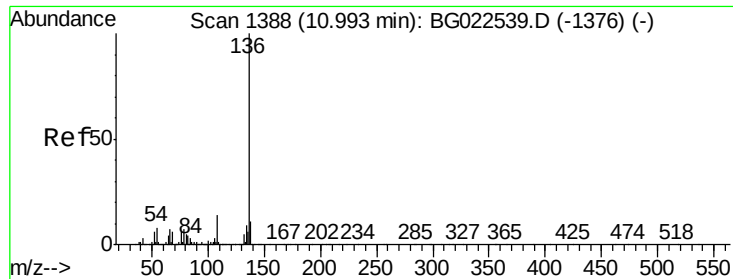
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

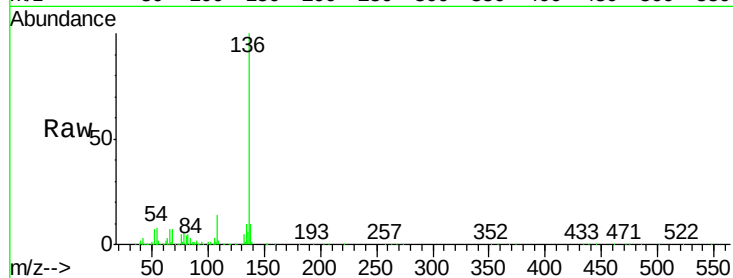




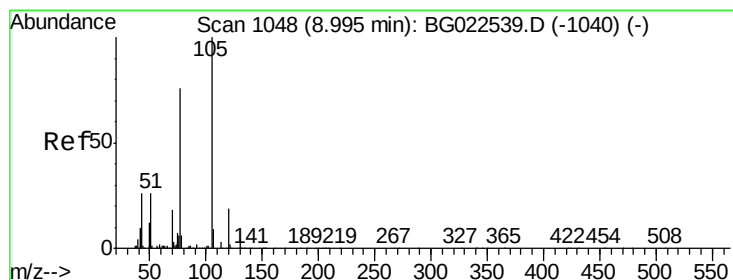
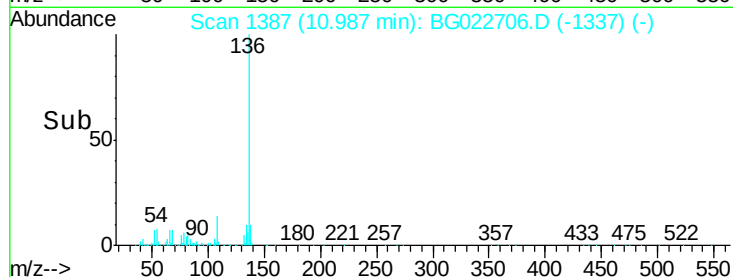
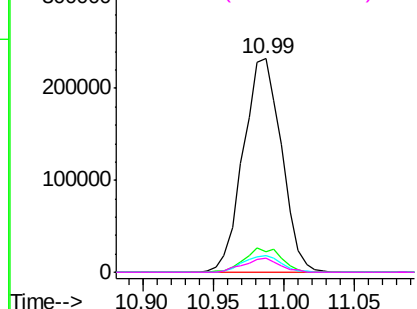
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Instrument :
BNA_G
ClientSampleId :
S8-0581MS

Tgt Ion:	136	Resp:	440970
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.6	14.4
54	7.8	7.3	10.9
68	6.7	5.3	7.9

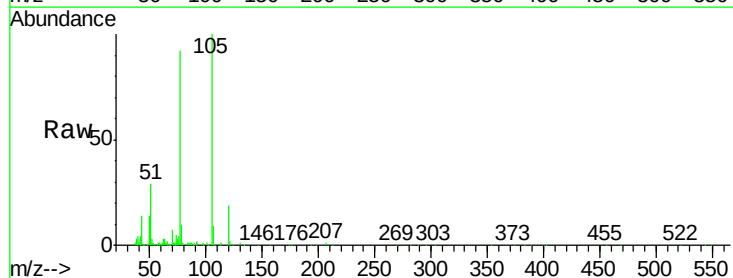


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

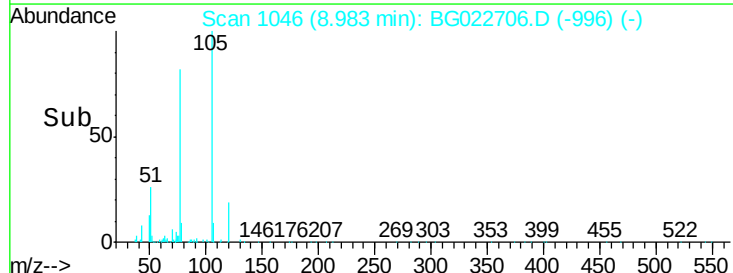
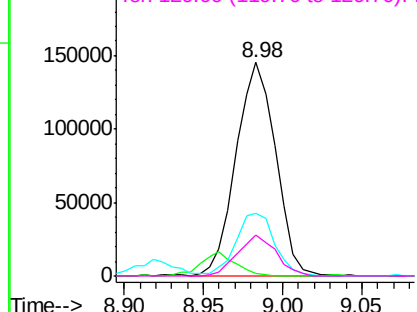


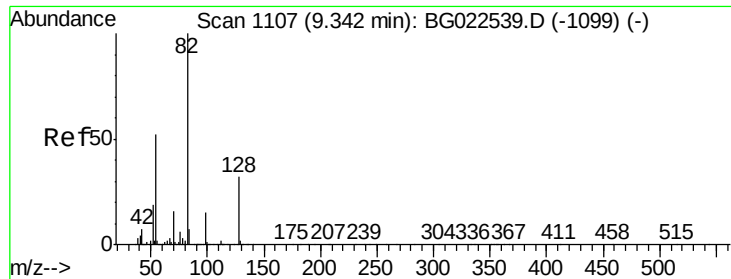
#22
Acetophenone
Concen: 19.82 ng
RT: 8.98 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG022706.D
Acq: 29 Jun 2016 23:19

Tgt Ion:	105	Resp:	252666
Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.6	3.8#
51	29.2	27.1	40.7
120	19.0	15.1	22.7



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

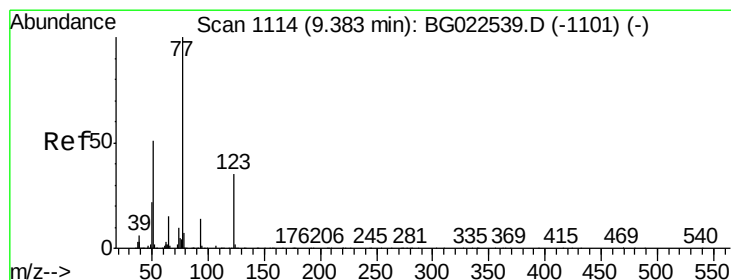
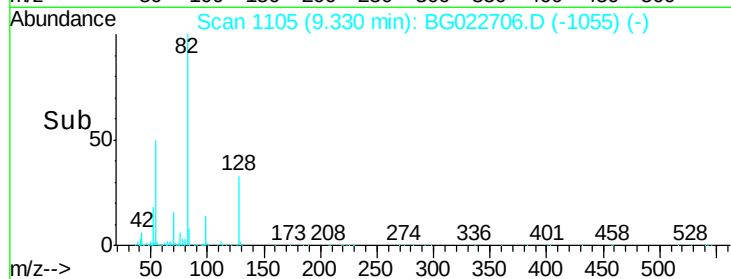
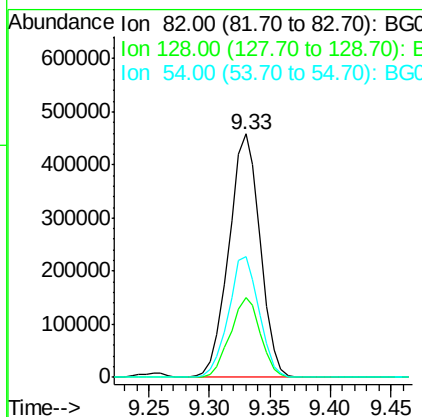
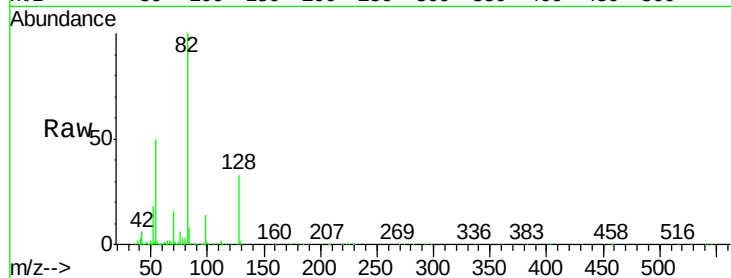




#23
 Nitrobenzene-d5
 Concen: 78.92 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: BG022706.D
 Acq: 29 Jun 2016 23:19

Instrument :
 BNA_G
 ClientSampleId :
 S8-0581MS

Tgt Ion: 82 Resp: 822274
 Ion Ratio Lower Upper
 82 100
 128 32.6 24.4 36.6
 54 49.8 41.4 62.0



#24
 Nitrobenzene
 Concen: 18.96 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BG022706.D
 Acq: 29 Jun 2016 23:19

Tgt Ion: 77 Resp: 218340
 Ion Ratio Lower Upper
 77 100
 123 36.6 25.0 37.6
 65 13.7 13.4 20.0

