

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110216\
 Data File : BG024634.D
 Acq On : 2 Nov 2016 20:37
 Operator : UM/SJ
 Sample : PB94494BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB94494BS

Quant Time: Nov 03 01:32:18 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	125359	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	472559	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	349067	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	764594	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1019432	20.00	ng	0.00
86) Perylene-d12	25.35	264	1092873	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	951436	124.39	ng	0.00
7) Phenol-d6	7.40	99	1308996	124.76	ng	0.00
23) Nitrobenzene-d5	9.44	82	909242	87.60	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	688542	132.03	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1820566	86.69	ng	0.00
78) Terphenyl-d14	20.21	244	2957131	86.68	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.66	88	96840	30.99	ng	93
3) Pyridine	4.07	79	306268	32.73	ng	90
4) n-Nitrosodimethylamine	3.99	42	174665	36.06	ng	86
6) Aniline	7.59	93	424214	31.92	ng	98
8) 2-Chlorophenol	7.83	128	322744	41.50	ng	93
9) Benzaldehyde	7.40	77	57490	8.87	ng	97
10) Phenol	7.43	94	464635	42.96	ng	89
11) bis(2-Chloroethyl)ether	7.68	93	326159	40.14	ng	88
12) 1,3-Dichlorobenzene	8.16	146	360656	37.46	ng	96
13) 1,4-Dichlorobenzene	8.30	146	373393	39.27	ng	99
14) 1,2-Dichlorobenzene	8.63	146	348724	38.14	ng	93
15) Benzyl Alcohol	8.50	79	380712	39.01	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.79	45	542363	35.98	ng	94
17) 2-Methylphenol	8.70	107	296563	41.38	ng	94
18) Hexachloroethane	9.36	117	143500	39.26	ng	84
19) n-Nitroso-di-n-propylamine	9.07	70	301856	39.04	ng	91
20) 3+4-Methylphenols	9.02	107	410625	42.68	ng	98
22) Acetophenone	9.10	105	512498	42.22	ng	# 91
24) Nitrobenzene	9.49	77	465874	40.35	ng	95
25) Isophorone	10.00	82	799945	41.43	ng	98
26) 2-Nitrophenol	10.20	139	182724	42.64	ng	94
27) 2,4-Dimethylphenol	10.24	122	334344	44.56	ng	95
28) bis(2-Chloroethoxy)methane	10.48	93	450578	45.11	ng	# 98
29) 2,4-Dichlorophenol	10.73	162	346089	43.95	ng	94
30) 1,2,4-Trichlorobenzene	10.95	180	398215	42.63	ng	98
31) Naphthalene	11.15	128	937759	39.78	ng	97
32) Benzoic acid	10.35	122	148492	23.77	ng	95
33) 4-Chloroaniline	11.25	127	277148	27.08	ng	93
34) Hexachlorobutadiene	11.41	225	301139	41.19	ng	94
35) Caprolactam	12.01	113	82851	28.74	ng	# 70
36) 4-Chloro-3-methylphenol	12.34	107	395491	41.60	ng	92
37) 2-Methylnaphthalene	12.73	142	694699	40.39	ng	100
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	488755	41.51	ng	98
40) Hexachlorocyclopentadiene	13.06	237	682048	102.87	ng	96

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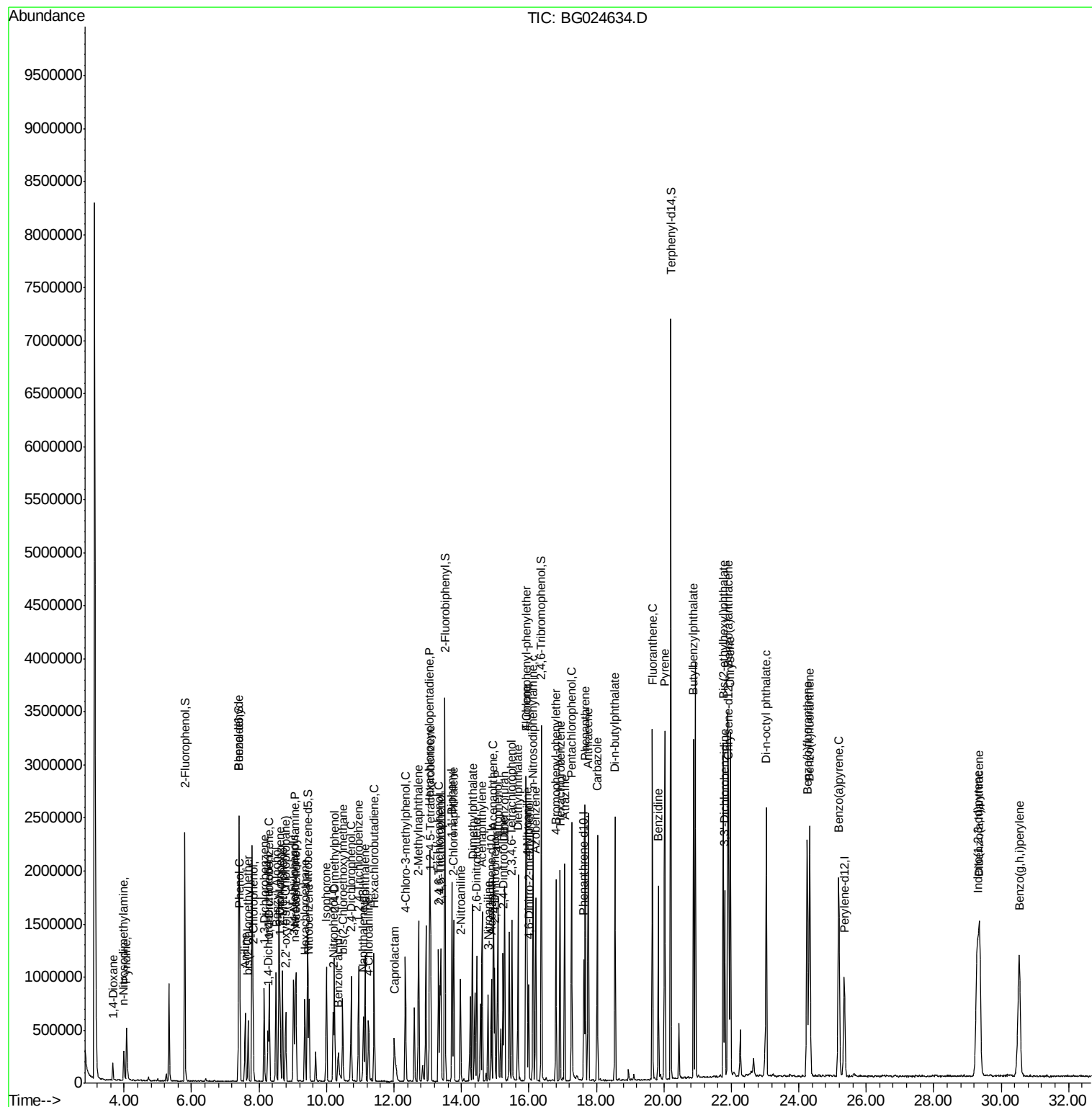
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	308128	43.54	ng	99
43) 2,4,5-Trichlorophenol	13.39	196	326243	42.64	ng	99
45) 1,1'-Biphenyl	13.72	154	975603	40.28	ng	95
46) 2-Chloronaphthalene	13.77	162	798969	43.32	ng	94
47) 2-Nitroaniline	13.97	65	309057	40.92	ng	99
48) Acenaphthylene	14.61	152	1156925	40.90	ng	99
49) Dimethylphthalate	14.33	163	1041980	42.05	ng	98
50) 2,6-Dinitrotoluene	14.46	165	236252	44.66	ng	91
51) Acenaphthene	14.95	154	787190	37.33	ng	97
52) 3-Nitroaniline	14.79	138	172513	31.51	ng	98
53) 2,4-Dinitrophenol	14.99	184	250011	65.21	ng	96
54) Dibenzofuran	15.28	168	1227765	42.11	ng	96
55) 4-Nitrophenol	15.08	139	382921	80.28	ng	# 83
56) 2,4-Dinitrotoluene	15.24	165	342616	44.57	ng	# 90
57) Fluorene	15.92	166	989675	40.94	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.50	232	343970	43.36	ng	94
59) Diethylphthalate	15.68	149	1031735	39.71	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	570017	42.02	ng	92
61) 4-Nitroaniline	15.95	138	233180	38.99	ng	92
62) Azobenzene	16.20	77	1085448	41.89	ng	95
64) 4,6-Dinitro-2-methylphenol	15.99	198	202038	38.35	ng	90
65) n-Nitrosodiphenylamine	16.12	169	913769	43.72	ng	97
66) 4-Bromophenyl-phenylether	16.81	248	406278	43.77	ng	92
67) Hexachlorobenzene	16.92	284	451299	44.00	ng	# 87
68) Atrazine	17.06	200	393759	43.92	ng	97
69) Pentachlorophenol	17.27	266	513970	75.94	ng	97
70) Phenanthrene	17.67	178	1643342	42.17	ng	98
71) Anthracene	17.76	178	1689979	42.98	ng	98
72) Carbazole	18.03	167	1485609	41.43	ng	98
73) Di-n-butylphthalate	18.56	149	1704244	41.22	ng	97
74) Fluoranthene	19.66	202	2091289	42.45	ng	97
76) Benzidine	19.84	184	1082004	45.05	ng	99
77) Pyrene	20.03	202	2124174	42.62	ng	99
79) Butylbenzylphthalate	20.88	149	892330	42.95	ng	100
80) Benzo(a)anthracene	21.90	228	2423402	43.27	ng	99
81) 3,3'-Dichlorobenzidine	21.81	252	705827	31.24	ng	# 97
82) Chrysene	21.97	228	2266592	42.50	ng	99
83) Bis(2-ethylhexyl)phthalate	21.76	149	1258636	42.35	ng	99
84) Di-n-octyl phthalate	23.03	149	2174928	44.10	ng	# 93
85) Indeno(1,2,3-cd)pyrene	29.30	276	3110676	42.25	ng	# 98
87) Benzo(b)fluoranthene	24.25	252	2523111	42.71	ng	99
88) Benzo(k)fluoranthene	24.33	252	2470360	43.30	ng	98
89) Benzo(a)pyrene	25.19	252	2441966	42.30	ng	98
90) Dibenzo(a,h)anthracene	29.36	278	2623995	41.42	ng	97
91) Benzo(g,h,i)perylene	30.53	276	2571607	40.63	ng	99

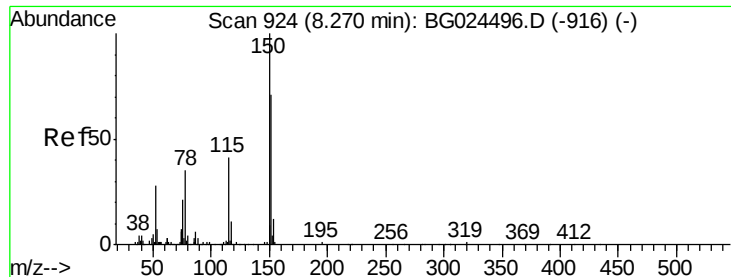
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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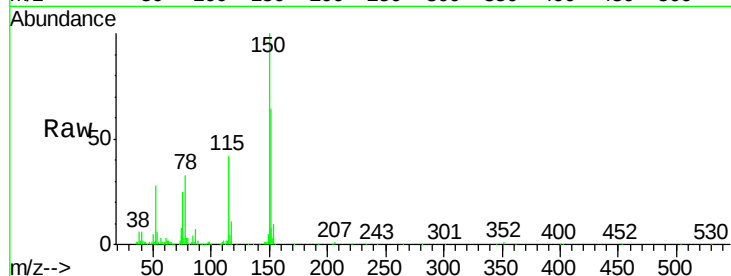


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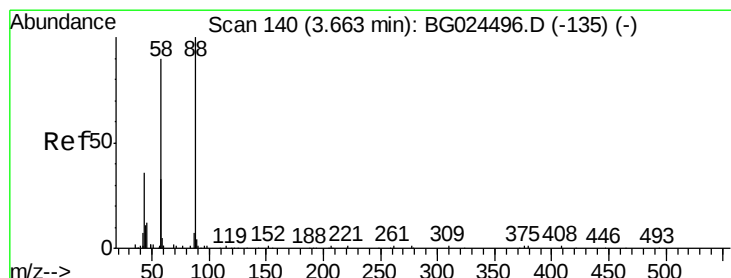
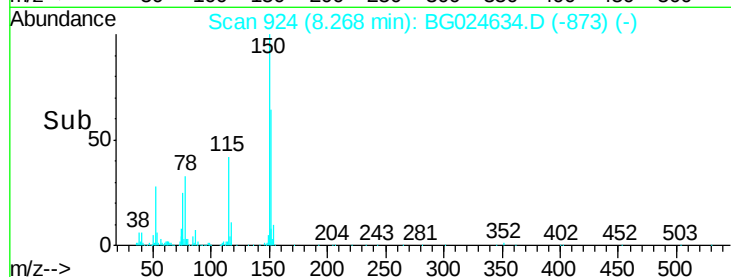
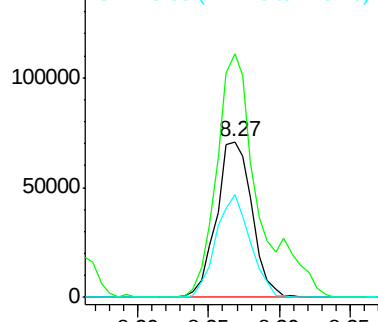
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

Instrument :
BNA_G
ClientSampleId :
PB94494BS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	114.0	171.0
115	66.3	48.1	72.1



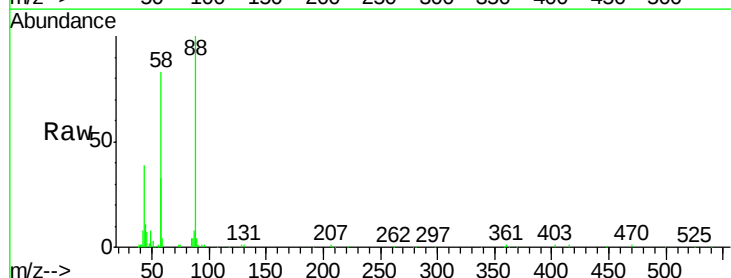
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



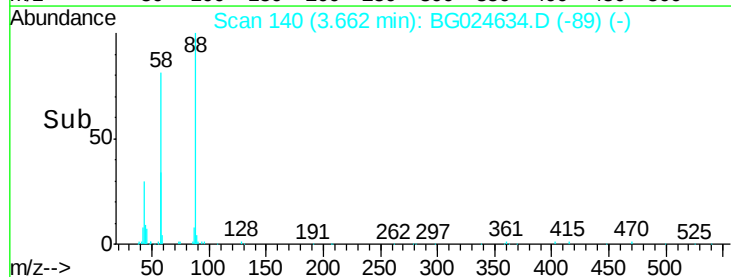
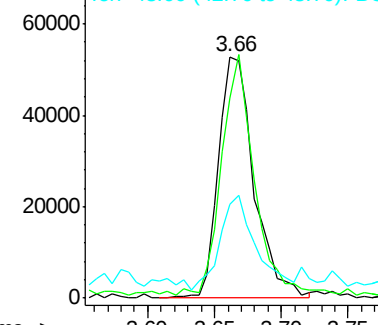
#2

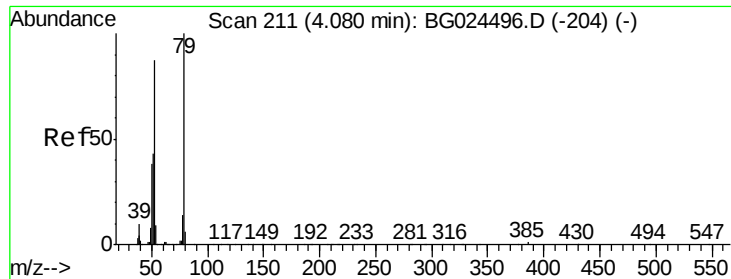
1,4-Dioxane
Concen: 30.99 ng
RT: 3.66 min Scan# 140
Delta R.T. -0.00 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.5	79.4	119.2
43	39.4	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: 32.73 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

Instrument :

BNA_G

ClientSampleId :

PB94494BS

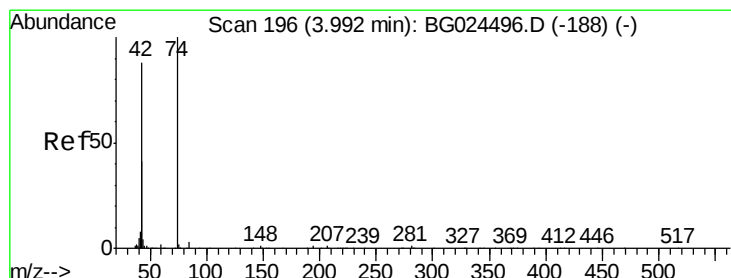
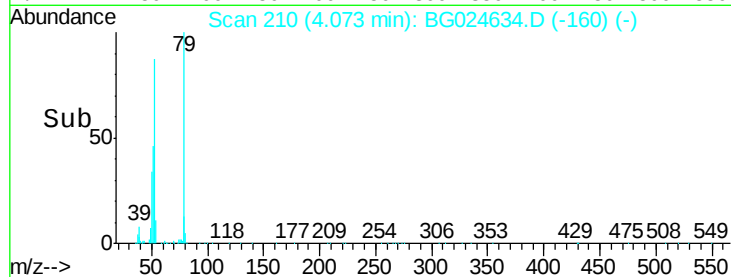
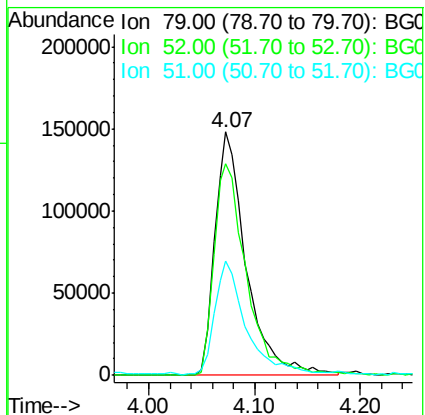
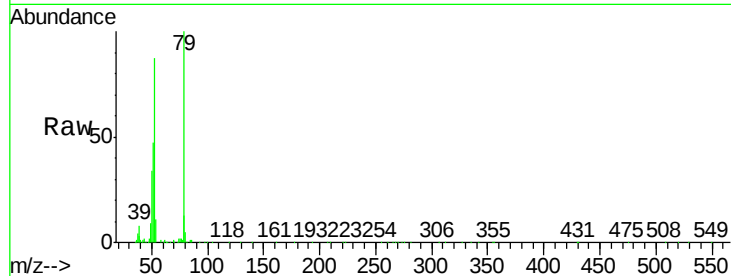
Tgt Ion: 79 Resp: 306268

Ion Ratio Lower Upper

79 100

52 87.1 77.8 116.6

51 46.8 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 36.06 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

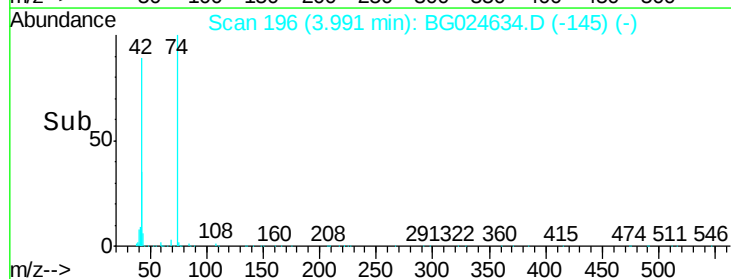
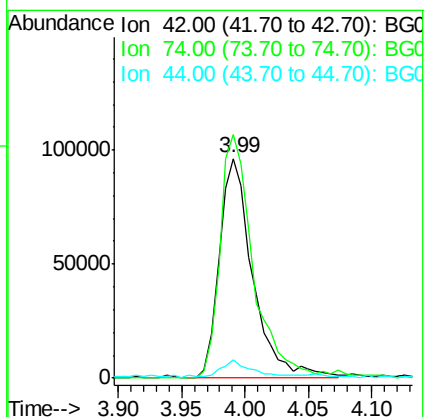
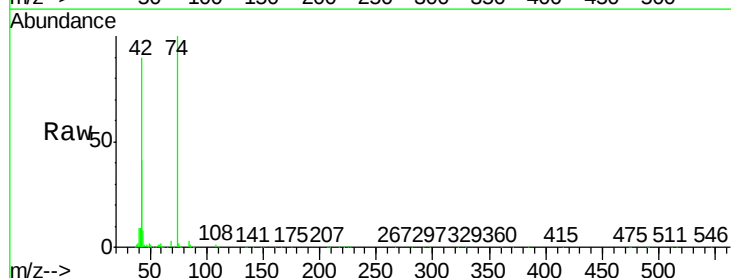
Tgt Ion: 42 Resp: 174665

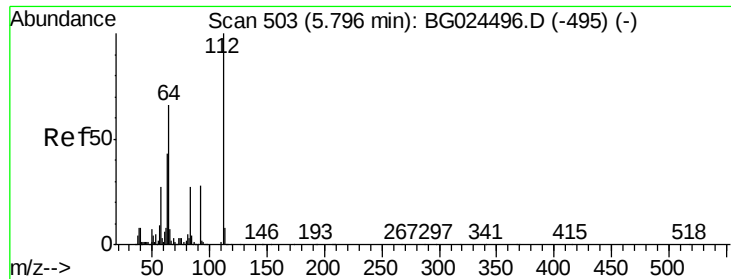
Ion Ratio Lower Upper

42 100

74 110.8 76.7 115.1

44 8.5 6.1 9.1





#5

2-Fluorophenol

Concen: 124.39 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

Instrument :

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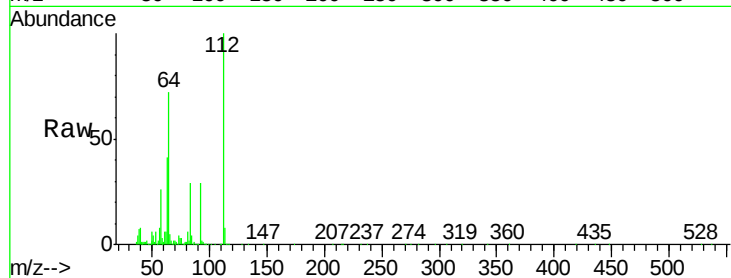
Tgt Ion: 112 Resp: 951436

Ion Ratio Lower Upper

112 100

64 72.0 61.8 92.6

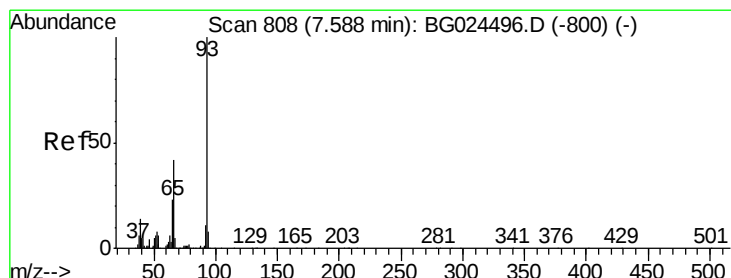
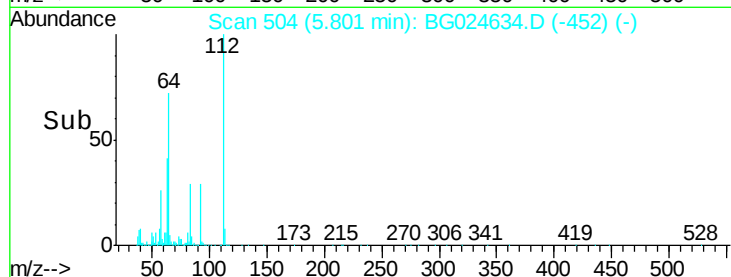
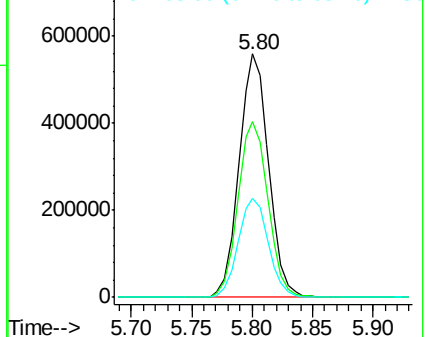
63 40.6 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 31.92 ng

RT: 7.59 min Scan# 809

Delta R.T. 0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

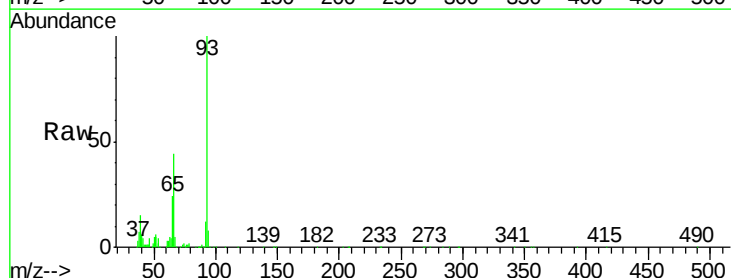
Tgt Ion: 93 Resp: 424214

Ion Ratio Lower Upper

93 100

66 44.3 35.4 53.2

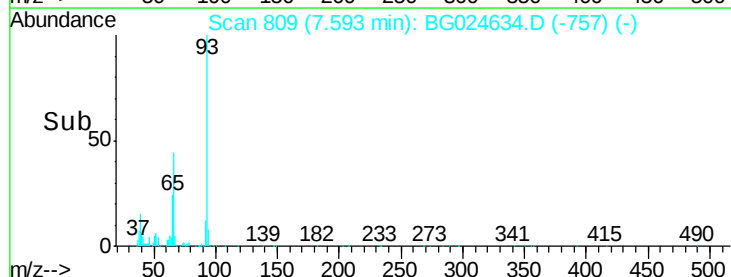
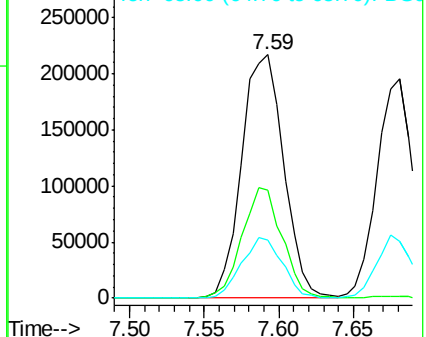
65 24.0 21.2 31.8

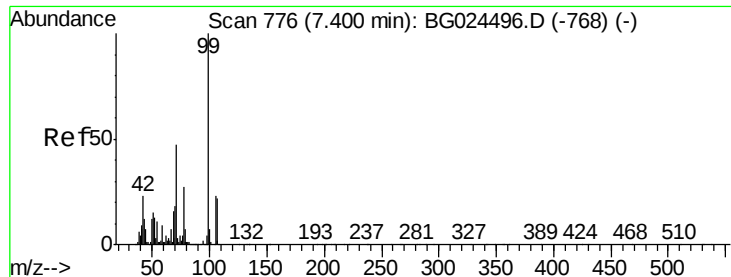


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 124.76 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024634.D

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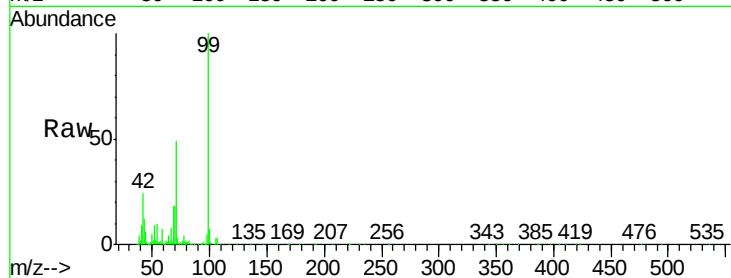
Tgt Ion: 99 Resp: 1308996

Ion Ratio Lower Upper

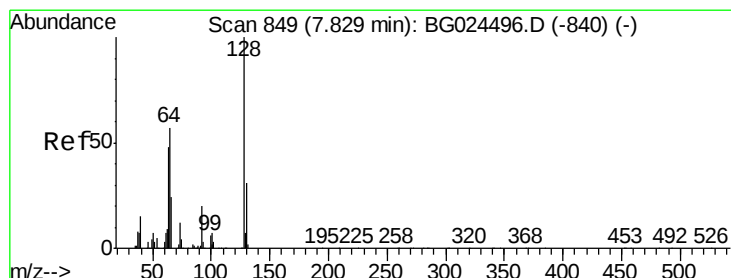
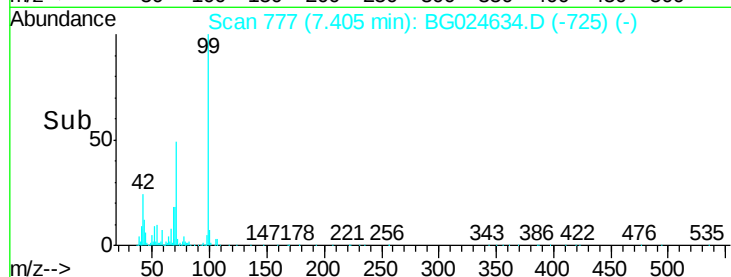
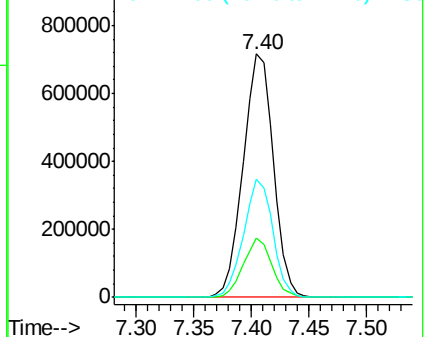
99 100

42 24.1 20.5 30.7

71 48.5 37.6 56.4



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: 41.50 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

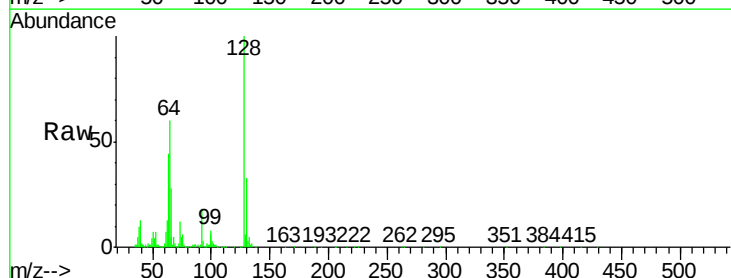
Tgt Ion: 128 Resp: 322744

Ion Ratio Lower Upper

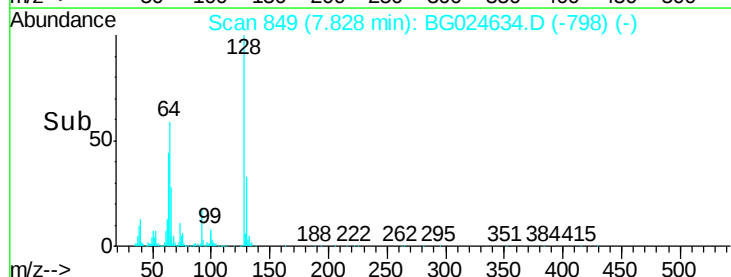
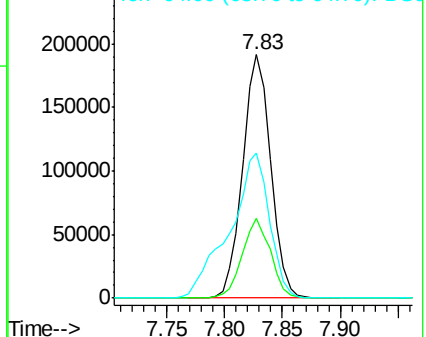
128 100

130 32.9 11.4 51.4

64 59.5 46.6 86.6



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: 8.87 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

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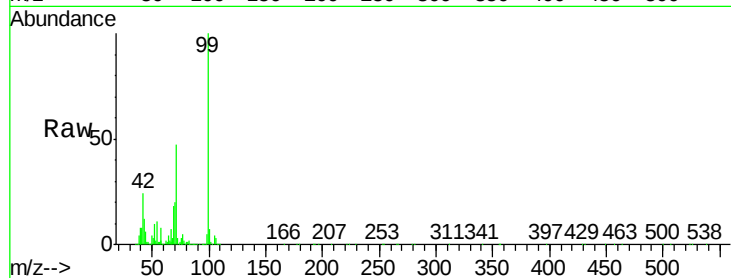
Tgt Ion: 77 Resp: 57490

Ion Ratio Lower Upper

77 100

105 84.3 60.9 100.9

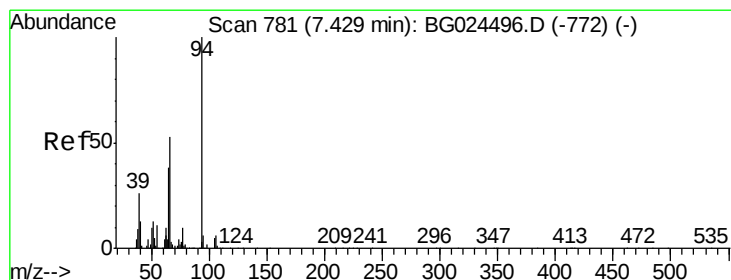
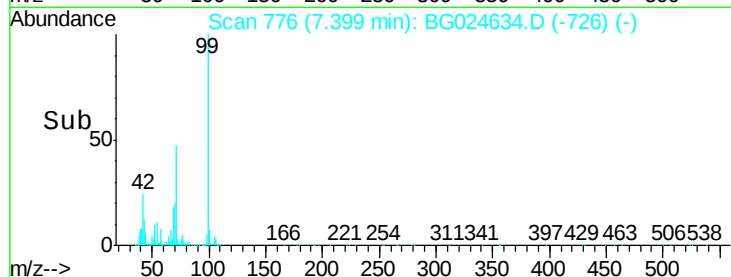
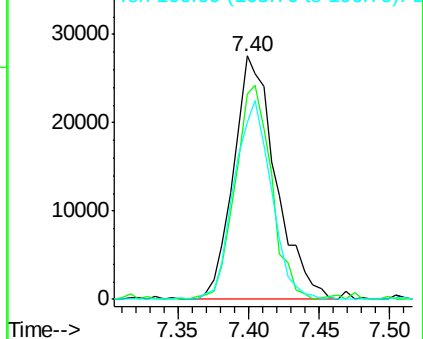
106 73.0 55.1 95.1



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: 42.96 ng

RT: 7.43 min Scan# 782

Delta R.T. 0.00 min

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Acq: 2 Nov 2016 20:37

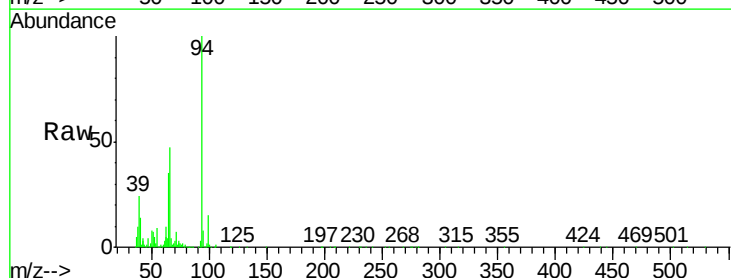
Tgt Ion: 94 Resp: 464635

Ion Ratio Lower Upper

94 100

65 35.2 20.6 60.6

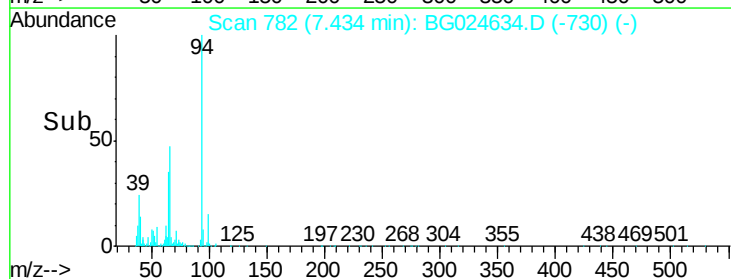
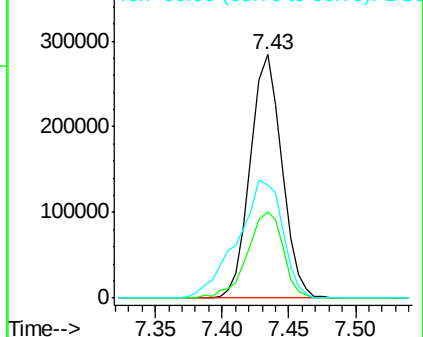
66 46.6 35.5 75.5

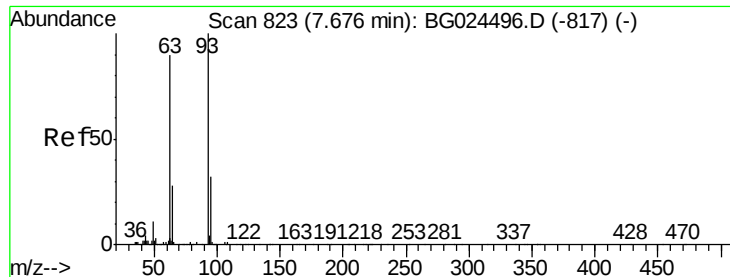


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

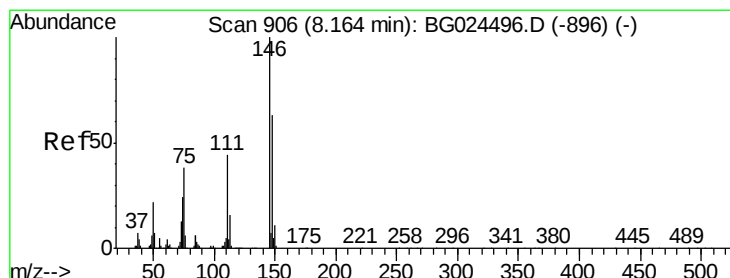
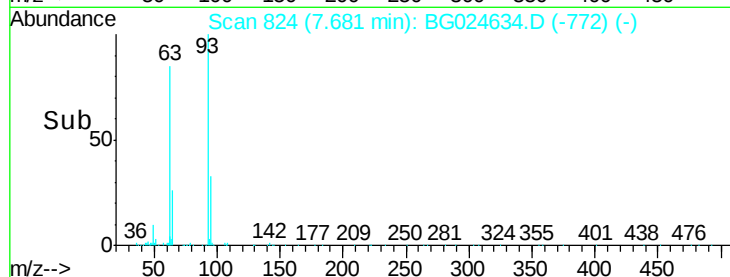
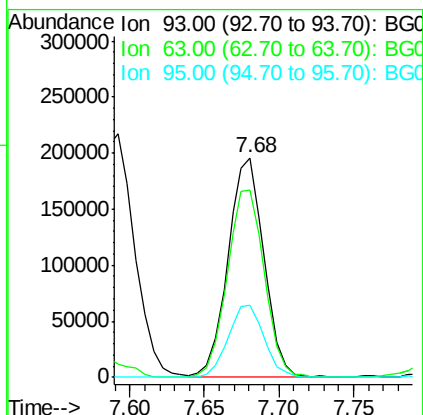
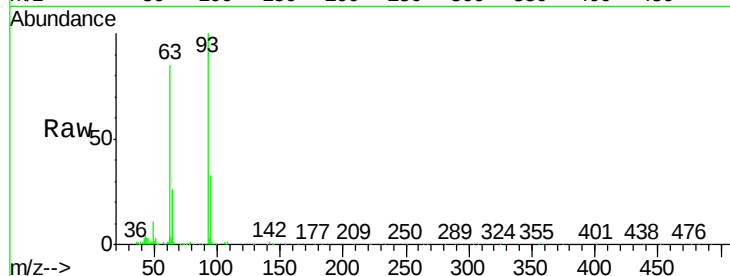




#11
bis(2-Chloroethyl)ether
Concen: 40.14 ng
RT: 7.68 min Scan# 824
Delta R.T. 0.00 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

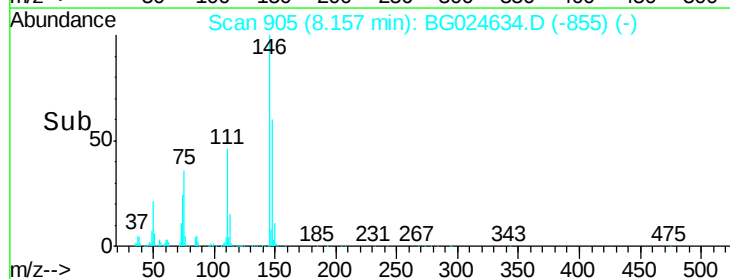
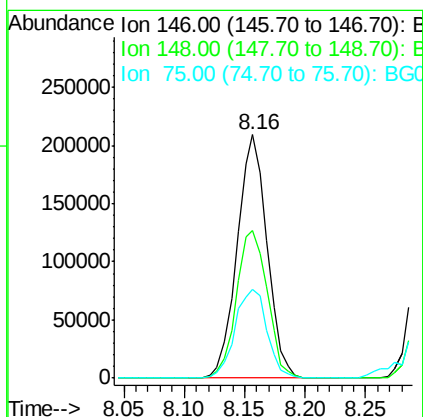
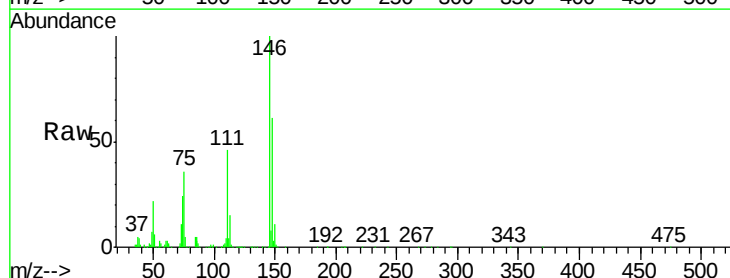
Instrument :
BNA_G
ClientSampleId :
PB94494BS

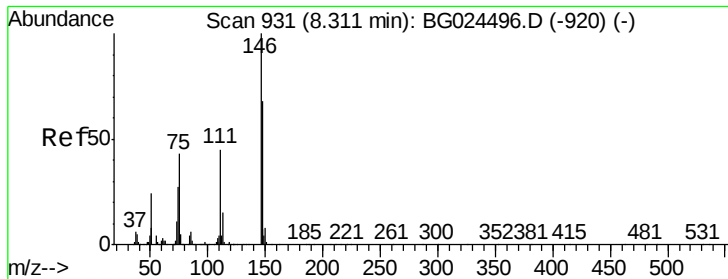
Tgt Ion: 93 Resp: 326159
Ion Ratio Lower Upper
93 100
63 85.1 78.5 118.5
95 33.0 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 37.46 ng
RT: 8.16 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

Tgt Ion: 146 Resp: 360656
Ion Ratio Lower Upper
146 100
148 60.6 49.2 73.8
75 36.3 33.4 50.2





#13

1,4-Dichlorobenzene

Concen: 39.27 ng

RT: 8.30 min Scan# 930

Delta R.T. -0.01 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

Instrument :

BNA_G

ClientSampleId :

PB94494BS

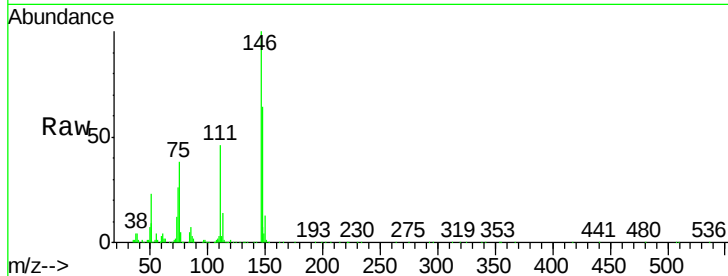
Tgt Ion:146 Resp: 373393

Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

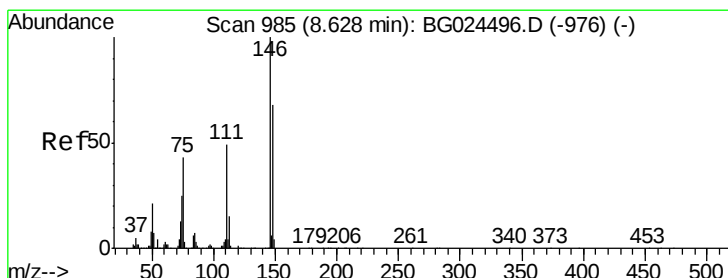
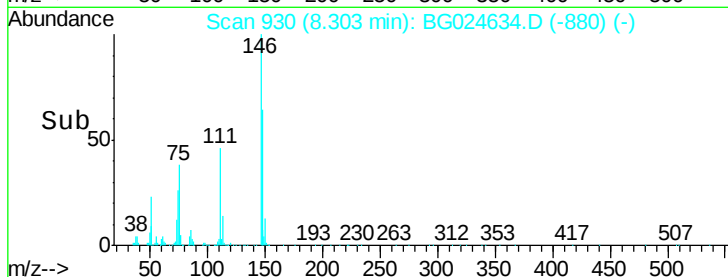
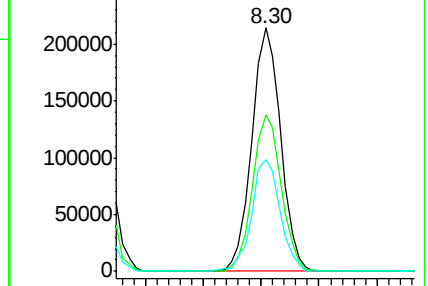
111 46.0 37.0 55.6



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: 38.14 ng

RT: 8.63 min Scan# 985

Delta R.T. -0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

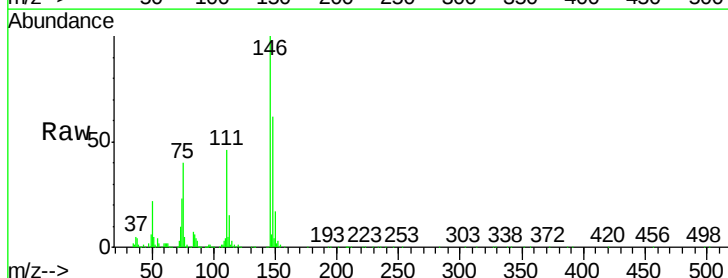
Tgt Ion:146 Resp: 348724

Ion Ratio Lower Upper

146 100

148 62.1 54.6 81.8

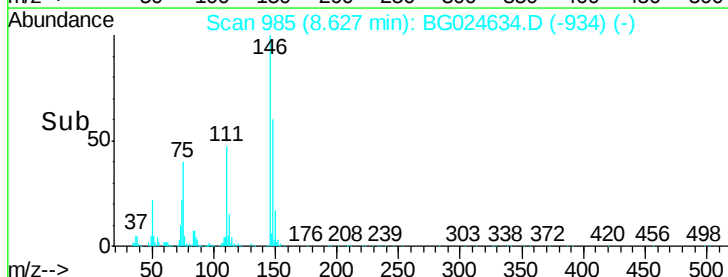
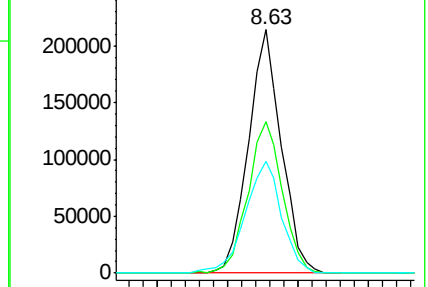
111 46.1 39.7 59.5

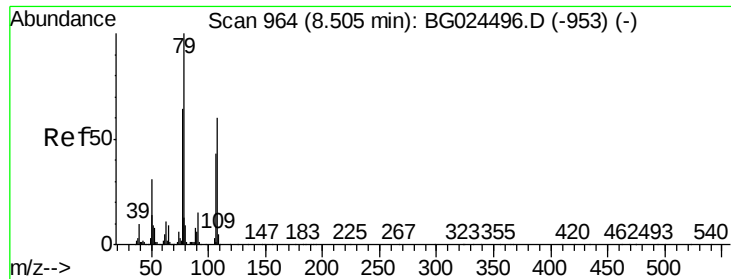


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.01 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

Instrument :

BNA_G

ClientSampleId :

PB94494BS

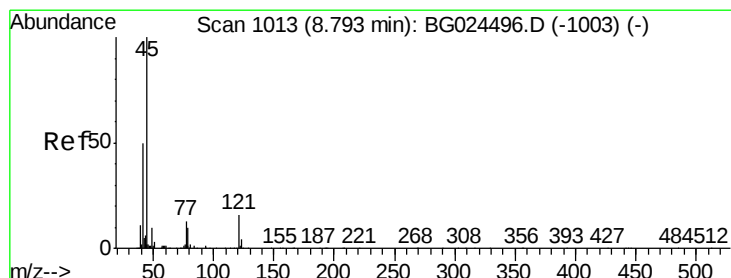
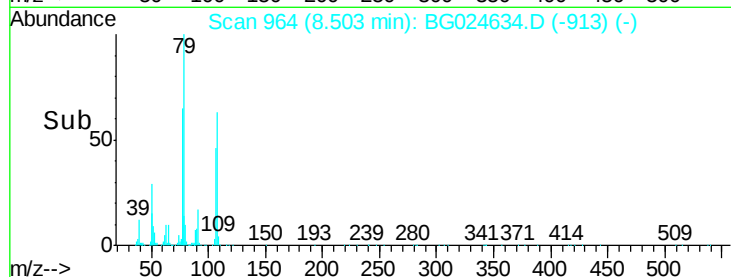
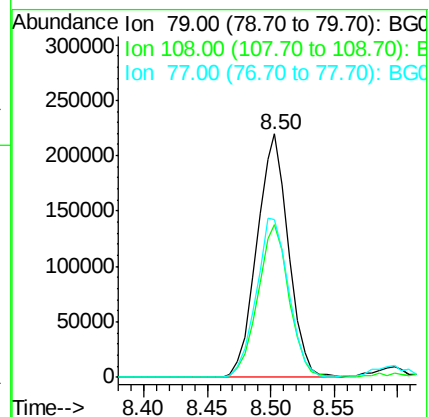
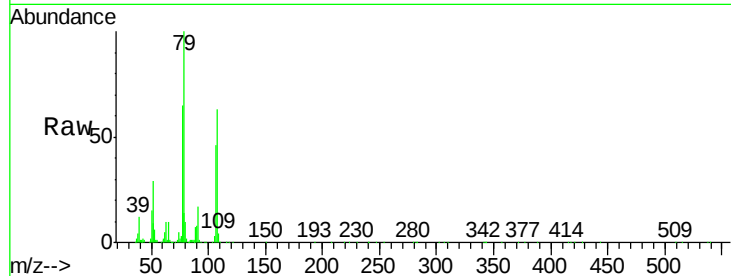
Tgt Ion: 79 Resp: 380712

Ion Ratio Lower Upper

79 100

108 62.7 45.5 68.3

77 64.7 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.98 ng

RT: 8.79 min Scan# 1013

Delta R.T. -0.00 min

Lab File: BG024634.D

Acq: 2 Nov 2016 20:37

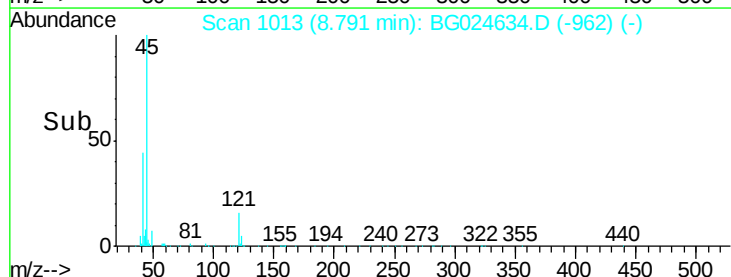
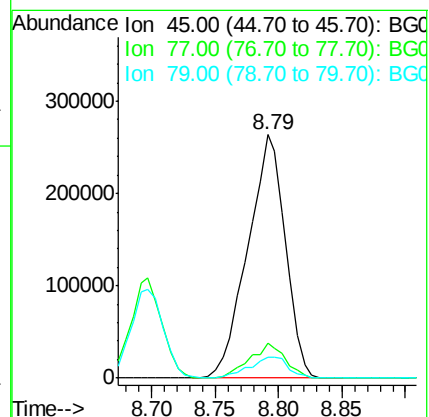
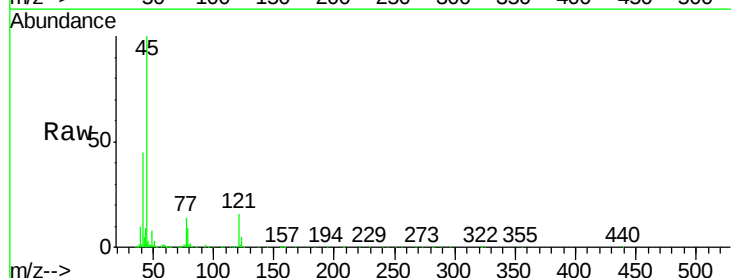
Tgt Ion: 45 Resp: 542363

Ion Ratio Lower Upper

45 100

77 14.2 0.0 30.6

79 8.7 0.0 28.5

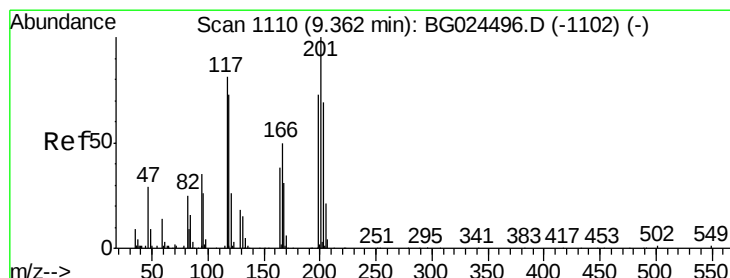
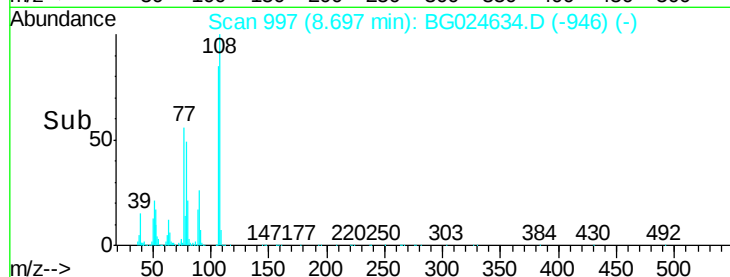
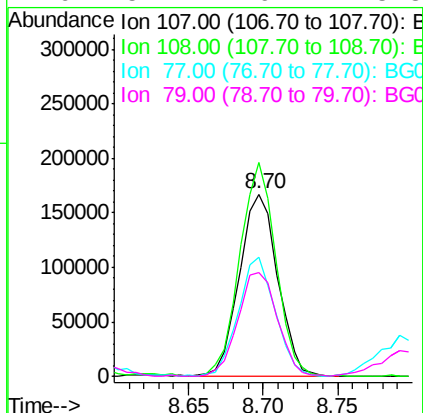
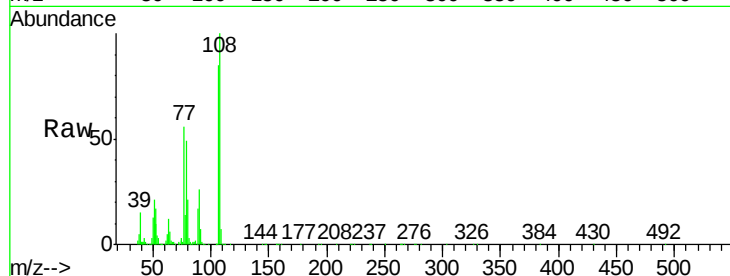




#17
2-Methylphenol
Concen: 41.38 ng
RT: 8.70 min Scan# 997
Delta R.T. -0.00 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

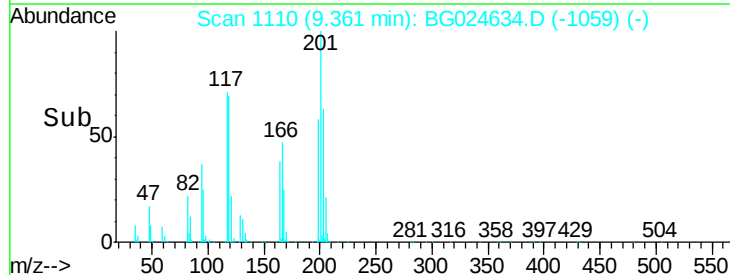
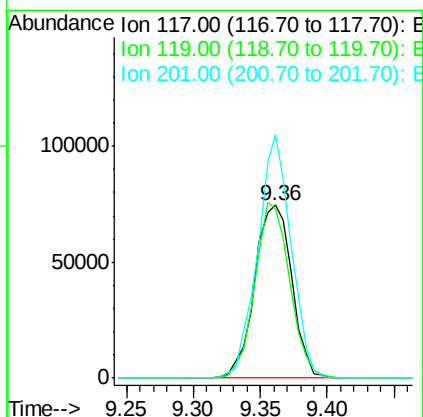
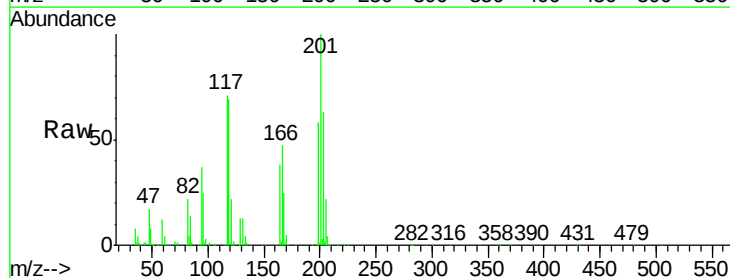
Instrument :
BNA_G
ClientSampleId :
PB94494BS

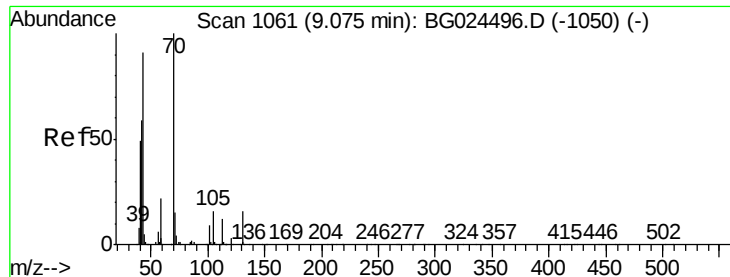
Tgt Ion:	107	Resp:	296563
Ion	Ratio	Lower	Upper
107	100		
108	117.2	85.6	128.4
77	65.1	51.4	77.2
79	57.1	49.2	73.8



#18
Hexachloroethane
Concen: 39.26 ng
RT: 9.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

Tgt Ion:	117	Resp:	143500
Ion	Ratio	Lower	Upper
117	100		
119	97.7	69.8	104.6
201	141.0	95.4	143.0

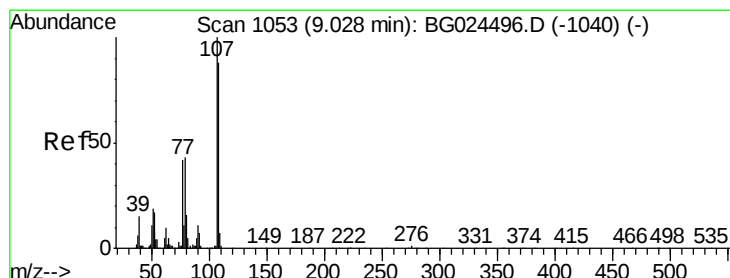
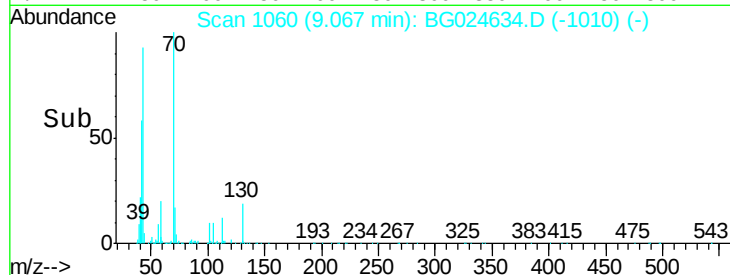
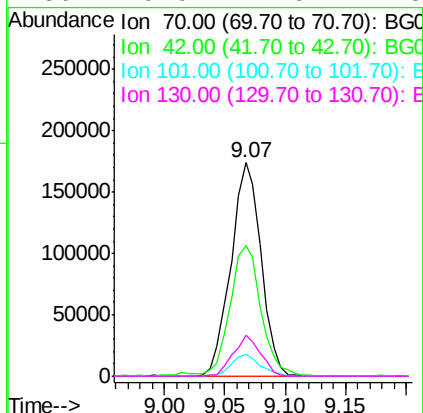
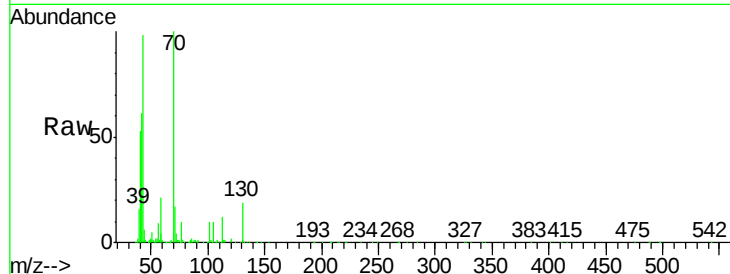




#19
n-Nitroso-di-n-propylamine
Concen: 39.04 ng
RT: 9.07 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

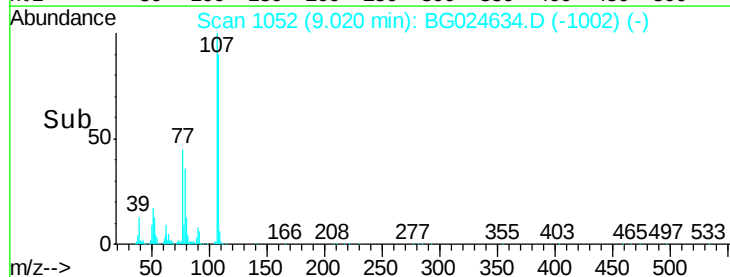
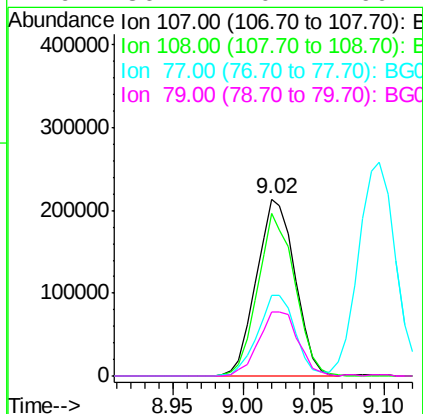
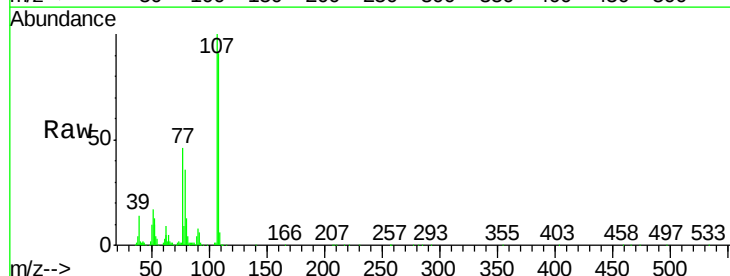
Instrument :
BNA_G
ClientSampleId :
PB94494BS

Tgt Ion:	70	Resp:	301856
Ion	Ratio	Lower	Upper
70	100		
42	60.8	56.1	84.1
101	10.3	7.5	11.3
130	19.0	14.6	21.8



#20
3+4-Methylphenols
Concen: 42.68 ng
RT: 9.02 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

Tgt Ion:	107	Resp:	410625
Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.8	110.8
77	45.6	25.8	65.8
79	36.4	20.1	60.1

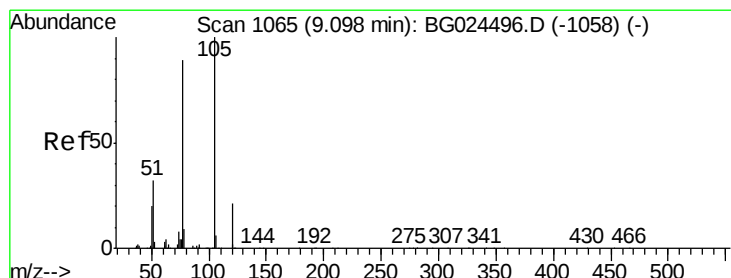
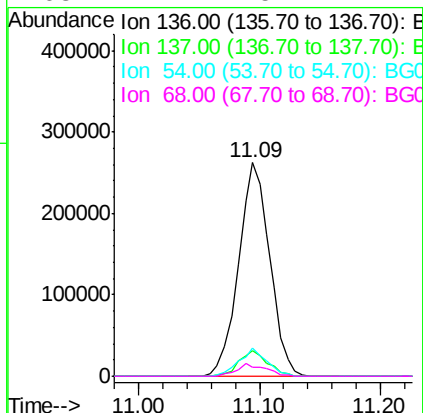
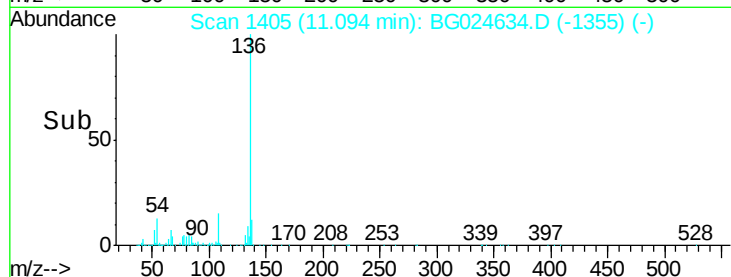
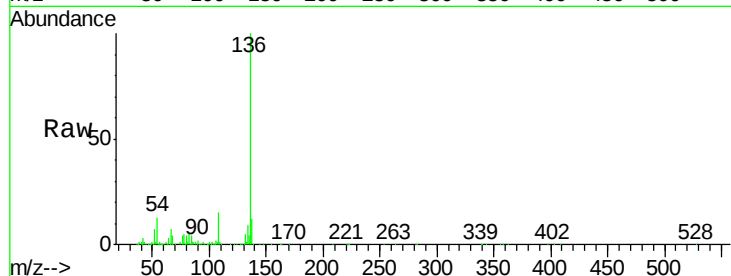




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

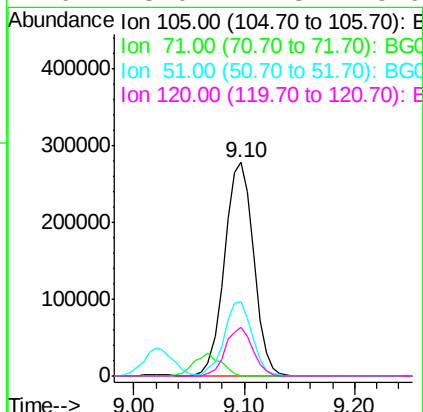
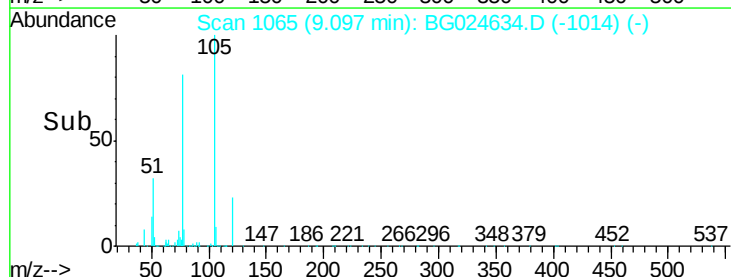
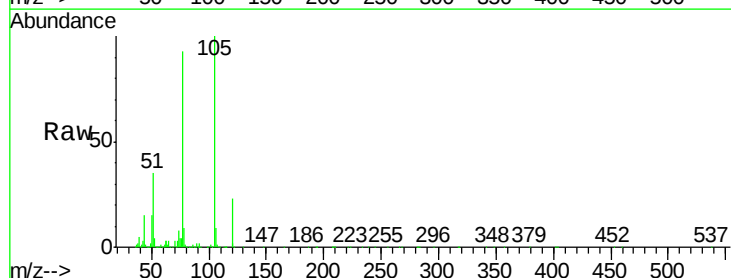
Instrument :
BNA_G
ClientSampleId :
PB94494BS

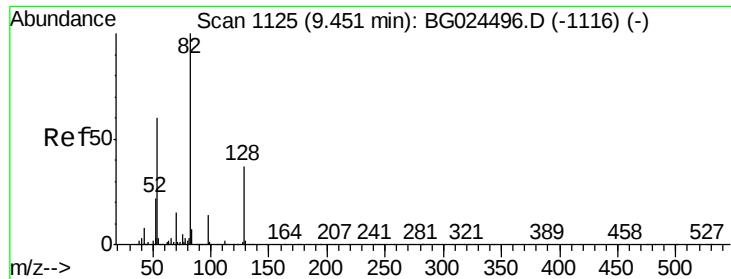
Tgt Ion:	136	Resp:	472559
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.9	13.3
54	13.0	9.3	13.9
68	4.2	5.1	7.7#



#22
Acetophenone
Concen: 42.22 ng
RT: 9.10 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BG024634.D
Acq: 2 Nov 2016 20:37

Tgt Ion:	105	Resp:	512498
Ion	Ratio	Lower	Upper
105	100		
71	0.1	0.9	1.3#
51	34.5	34.0	51.0
120	23.0	17.3	25.9

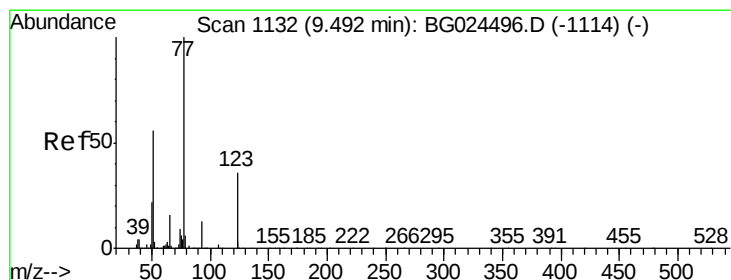
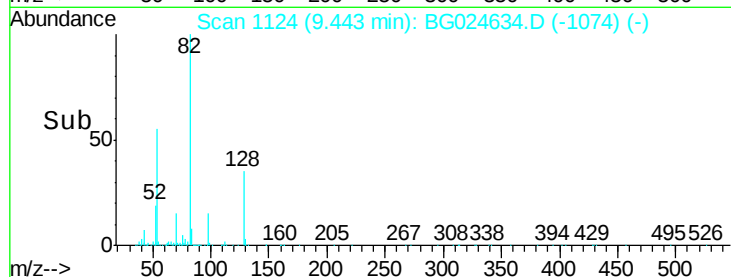
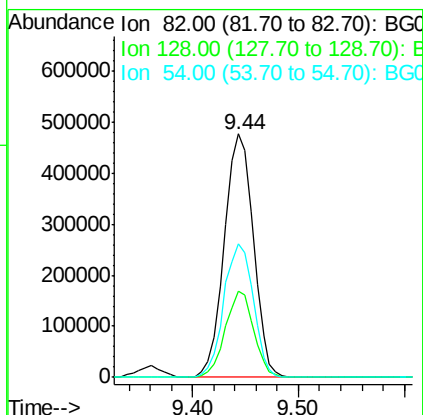
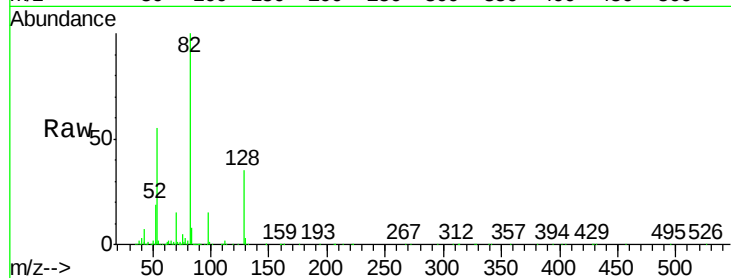




#23
 Nitrobenzene-d5
 Concen: 87.60 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BG024634.D
 Acq: 2 Nov 2016 20:37

Instrument :
 BNA_G
 ClientSampleId :
 PB94494BS

Tgt Ion: 82 Resp: 909242
 Ion Ratio Lower Upper
 82 100
 128 35.3 26.4 39.6
 54 55.1 49.4 74.2



#24
 Nitrobenzene
 Concen: 40.35 ng
 RT: 9.49 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: BG024634.D
 Acq: 2 Nov 2016 20:37

Tgt Ion: 77 Resp: 465874
 Ion Ratio Lower Upper
 77 100
 123 35.9 26.1 39.1
 65 14.2 12.4 18.6

