

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
 Data File : BG024721.D
 Acq On : 5 Nov 2016 20:25
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Nov 06 23:50:49 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	8.26	152	95694	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	375712	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	279444	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	648044	20.00	ng	0.00
75) Chrysene-d12	21.92	240	925204	20.00	ng	0.00
86) Perylene-d12	25.35	264	983656	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.79	112	483587	82.83	ng	0.00
7) Phenol-d6	7.40	99	691997	86.40	ng	0.00
23) Nitrobenzene-d5	9.44	82	707697	85.76	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	370670	88.79	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1451135	86.31	ng	0.00
78) Terphenyl-d14	20.21	244	2559848	82.67	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.67	88	103203	43.27	ng	87
3) Pyridine	4.07	79	295095	41.32	ng	90
4) n-Nitrosodimethylamine	3.99	42	151978	41.11	ng	# 86
6) Aniline	7.59	93	414221	40.83	ng	95
8) 2-Chlorophenol	7.82	128	251264	42.33	ng	98
9) Benzaldehyde	7.40	77	191756	38.74	ng	93
10) Phenol	7.43	94	349721	42.36	ng	98
11) bis(2-Chloroethyl)ether	7.68	93	259348	41.82	ng	88
12) 1,3-Dichlorobenzene	8.15	146	303291	41.27	ng	94
13) 1,4-Dichlorobenzene	8.30	146	311524	42.92	ng	97
14) 1,2-Dichlorobenzene	8.62	146	287786	41.24	ng	98
15) Benzyl Alcohol	8.50	79	310121	41.63	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.79	45	464903	40.40	ng	99
17) 2-Methylphenol	8.70	107	232619	42.52	ng	95
18) Hexachloroethane	9.36	117	119929	42.98	ng	91
19) n-Nitroso-di-n-propylamine	9.07	70	233924	39.63	ng	90
20) 3+4-Methylphenols	9.02	107	319267	43.47	ng	95
22) Acetophenone	9.09	105	398236	41.26	ng	93
24) Nitrobenzene	9.48	77	385624	42.01	ng	98
25) Isophorone	10.00	82	605554	39.45	ng	# 98
26) 2-Nitrophenol	10.20	139	153389	45.02	ng	95
27) 2,4-Dimethylphenol	10.24	122	254870	42.73	ng	93
28) bis(2-Chloroethoxy)methane	10.48	93	319923	40.28	ng	98
29) 2,4-Dichlorophenol	10.73	162	272414	43.51	ng	98
30) 1,2,4-Trichlorobenzene	10.95	180	316219	42.58	ng	95
31) Naphthalene	11.14	128	794515	42.40	ng	98
32) Benzoic acid	10.37	122	183969	37.03	ng	# 91
33) 4-Chloroaniline	11.25	127	342055	42.04	ng	94
34) Hexachlorobutadiene	11.41	225	249799	42.97	ng	98
35) Caprolactam	12.02	113	92795	40.48	ng	# 79
36) 4-Chloro-3-methylphenol	12.34	107	315288	41.71	ng	98
37) 2-Methylnaphthalene	12.73	142	567058	41.47	ng	96
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	404483	42.92	ng	98
40) Hexachlorocyclopentadiene	13.06	237	206490	38.90	ng	99

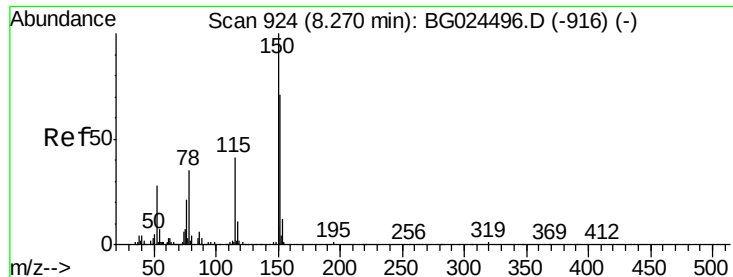
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
 Data File : BG024721.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	259645	45.83	ng	87
43) 2,4,5-Trichlorophenol	13.39	196	273490	44.65	ng	96
45) 1,1'-Biphenyl	13.72	154	832421	42.93	ng	93
46) 2-Chloronaphthalene	13.77	162	623897	42.25	ng	96
47) 2-Nitroaniline	13.97	65	259100	42.86	ng	96
48) Acenaphthylene	14.61	152	950419	41.97	ng	98
49) Dimethylphthalate	14.33	163	811018	40.88	ng	98
50) 2,6-Dinitrotoluene	14.46	165	182479	43.09	ng	89
51) Acenaphthene	14.95	154	650326	38.52	ng	97
52) 3-Nitroaniline	14.79	138	192243	43.87	ng	99
53) 2,4-Dinitrophenol	14.99	184	128491	41.87	ng	96
54) Dibenzofuran	15.28	168	983206	42.13	ng	94
55) 4-Nitrophenol	15.08	139	160961	42.16	ng	# 79
56) 2,4-Dinitrotoluene	15.24	165	276489	44.93	ng	# 94
57) Fluorene	15.92	166	817341	42.23	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.50	232	278099	43.79	ng	# 92
59) Diethylphthalate	15.67	149	822221	39.53	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	458430	42.21	ng	98
61) 4-Nitroaniline	15.95	138	224988	46.99	ng	94
62) Azobenzene	16.20	77	827759	39.90	ng	97
64) 4,6-Dinitro-2-methylphenol	15.99	198	171798	38.48	ng	96
65) n-Nitrosodiphenylamine	16.12	169	720344	40.66	ng	98
66) 4-Bromophenyl-phenylether	16.80	248	338365	43.01	ng	99
67) Hexachlorobenzene	16.92	284	374786	43.12	ng	# 88
68) Atrazine	17.06	200	301691	39.70	ng	99
69) Pentachlorophenol	17.26	266	233294	40.67	ng	96
70) Phenanthrene	17.67	178	1382352	41.85	ng	96
71) Anthracene	17.76	178	1406172	42.20	ng	96
72) Carbazole	18.03	167	1313964	43.23	ng	99
73) Di-n-butylphthalate	18.55	149	1471636	42.00	ng	97
74) Fluoranthene	19.66	202	1881884	45.07	ng	96
76) Benzidine	19.84	184	782874	35.91	ng	99
77) Pyrene	20.03	202	1912598	42.29	ng	98
79) Butylbenzylphthalate	20.88	149	808250	42.86	ng	97
80) Benzo(a)anthracene	21.90	228	2141590	42.14	ng	99
81) 3,3'-Dichlorobenzidine	21.81	252	841662	41.05	ng	100
82) Chrysene	21.97	228	2056281	42.48	ng	99
83) Bis(2-ethylhexyl)phthalate	21.76	149	1112171	41.23	ng	# 98
84) Di-n-octyl phthalate	23.03	149	1926422	43.04	ng	# 93
85) Indeno(1,2,3-cd)pyrene	29.29	276	2676201	40.05	ng	# 98
87) Benzo(b)fluoranthene	24.26	252	2222768	41.81	ng	97
88) Benzo(k)fluoranthene	24.33	252	2207590	42.99	ng	97
89) Benzo(a)pyrene	25.19	252	2164086	41.65	ng	98
90) Dibenzo(a,h)anthracene	29.37	278	2271945	39.84	ng	98
91) Benzo(g,h,i)perylene	30.54	276	2254982	39.58	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

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Acq: 5 Nov 2016 20:25

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

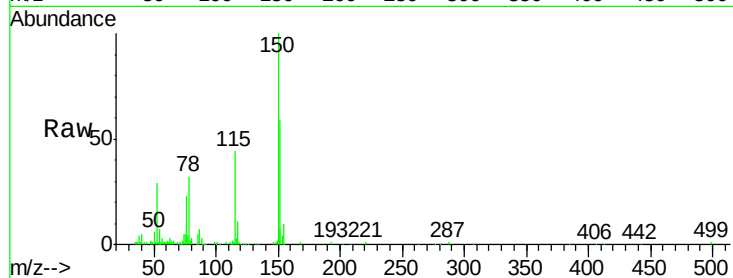
Tgt Ion:152 Resp: 95694

Ion Ratio Lower Upper

152 100

150 168.3 114.0 171.0

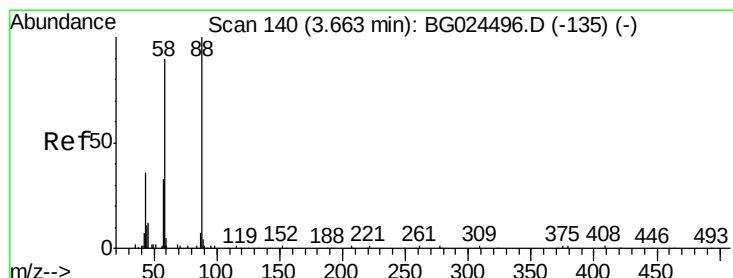
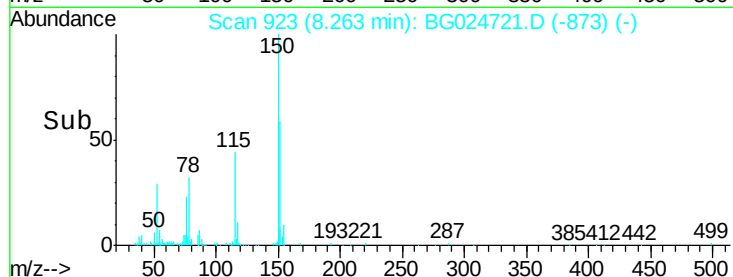
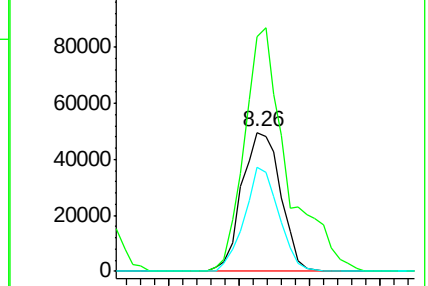
115 74.3 48.1 72.1#



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: 43.27 ng

RT: 3.67 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

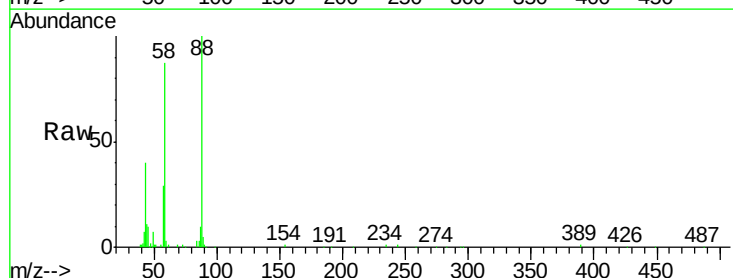
Tgt Ion: 88 Resp: 103203

Ion Ratio Lower Upper

88 100

58 85.9 79.4 119.2

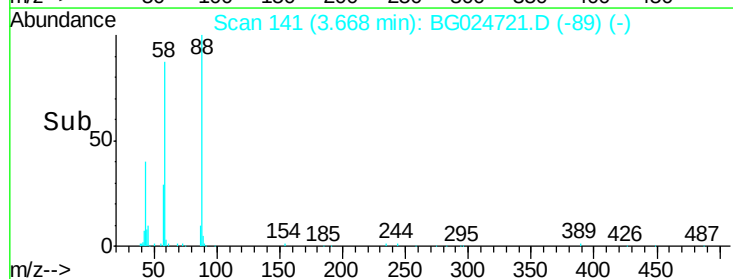
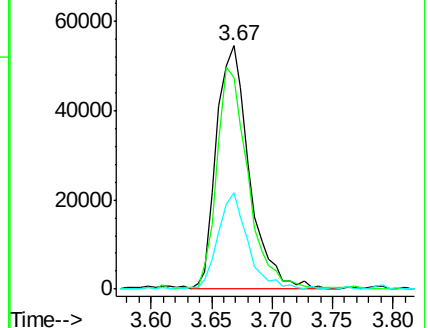
43 35.6 33.8 50.6

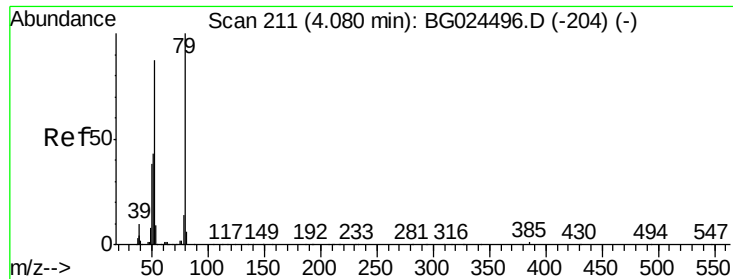


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 41.32 ng

RT: 4.07 min Scan# 210

Delta R.T. -0.01 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

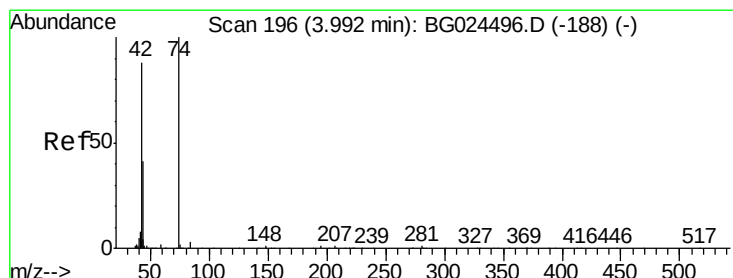
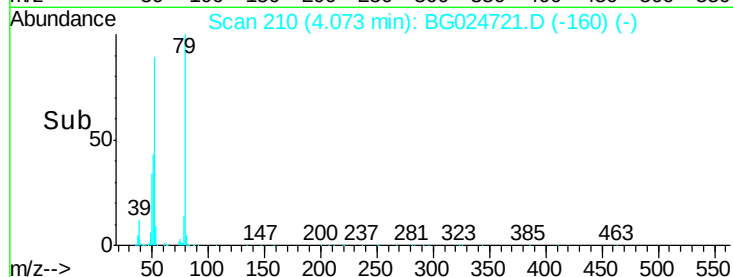
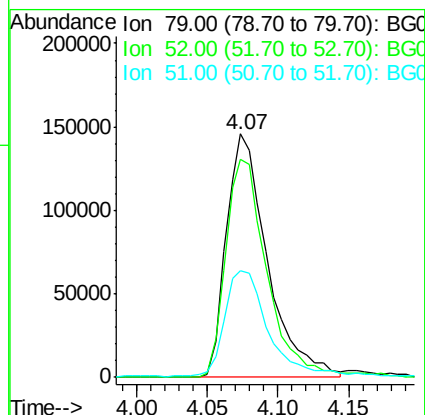
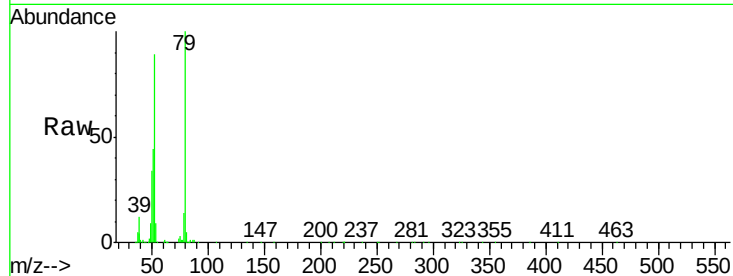
Tgt Ion: 79 Resp: 295095

Ion Ratio Lower Upper

79 100

52 89.4 77.8 116.6

51 43.7 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 41.11 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

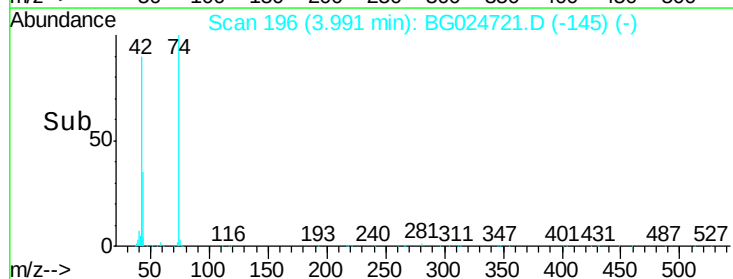
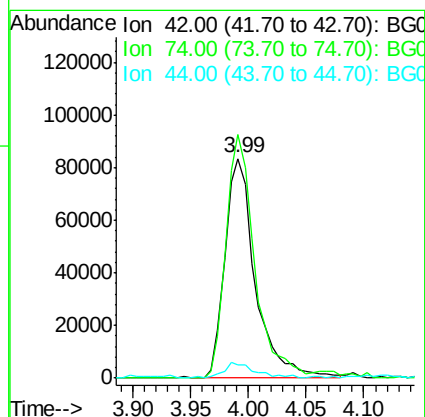
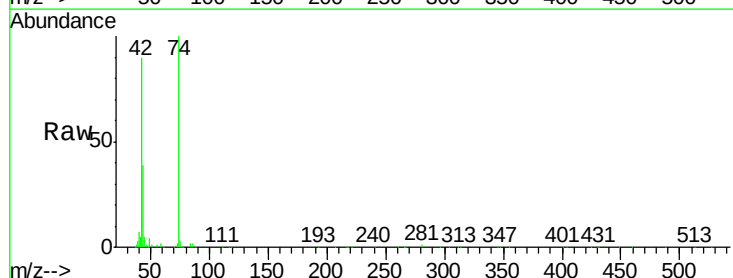
Tgt Ion: 42 Resp: 151978

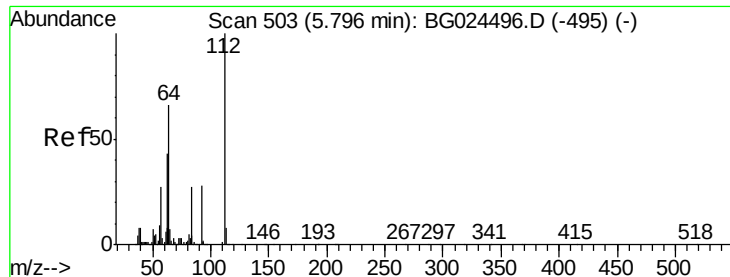
Ion Ratio Lower Upper

42 100

74 110.8 76.7 115.1

44 6.1 6.1 9.1#





#5

2-Fluorophenol

Concen: 82.83 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

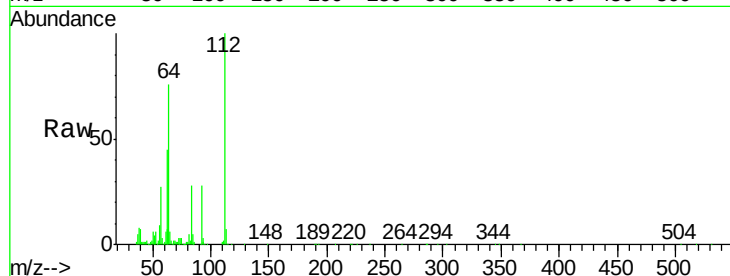
Tgt Ion: 112 Resp: 483587

Ion Ratio Lower Upper

112 100

64 76.1 61.8 92.6

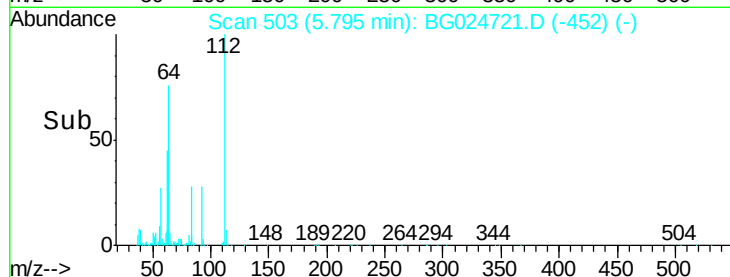
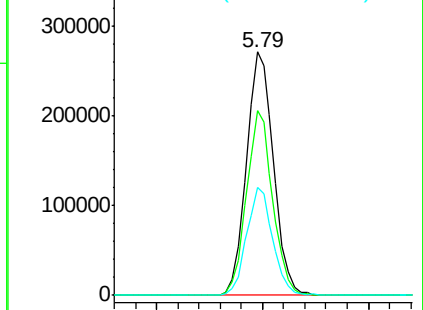
63 44.5 37.2 55.8



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: 40.83 ng

RT: 7.59 min Scan# 808

Delta R.T. -0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

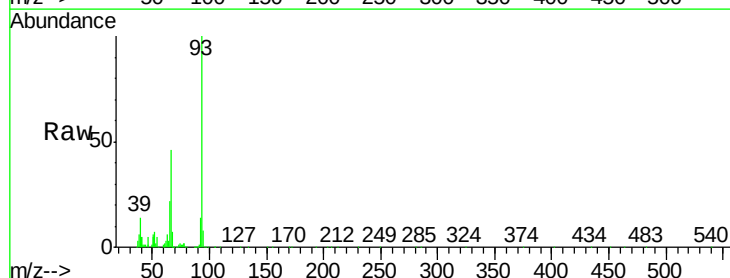
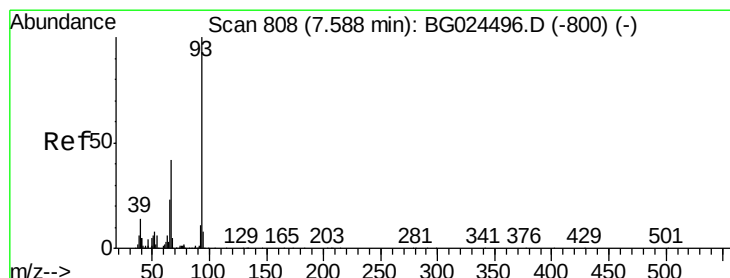
Tgt Ion: 93 Resp: 414221

Ion Ratio Lower Upper

93 100

66 46.3 35.4 53.2

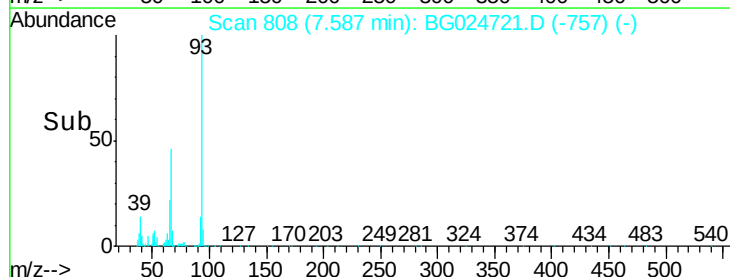
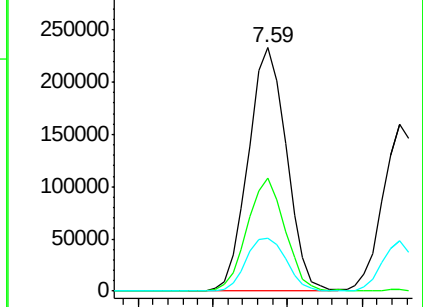
65 21.8 21.2 31.8

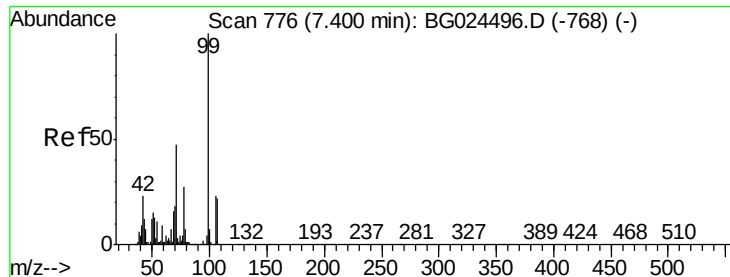


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 86.40 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

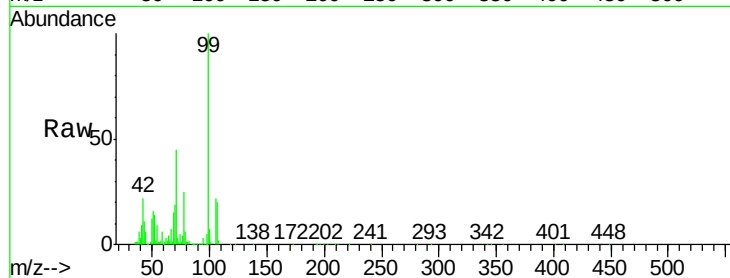
Tgt Ion: 99 Resp: 691997

Ion Ratio Lower Upper

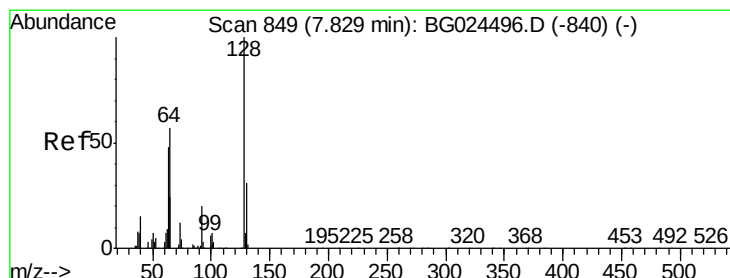
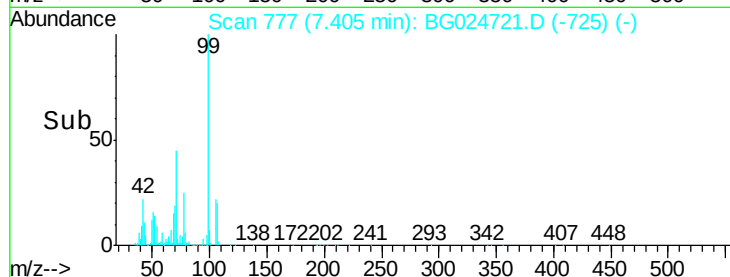
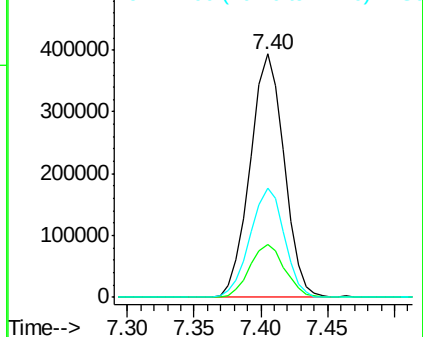
99 100

42 22.0 20.5 30.7

71 44.6 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: 42.33 ng

RT: 7.82 min Scan# 848

Delta R.T. -0.01 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

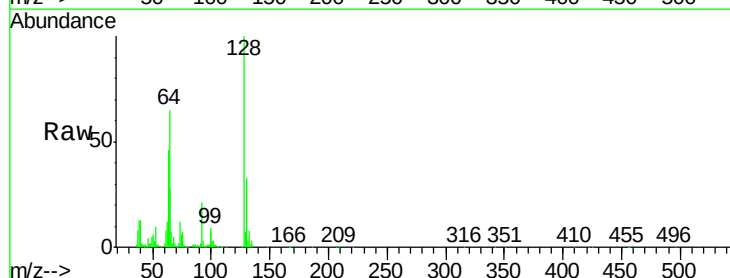
Tgt Ion: 128 Resp: 251264

Ion Ratio Lower Upper

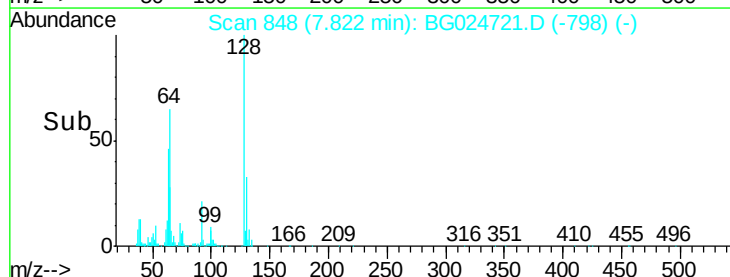
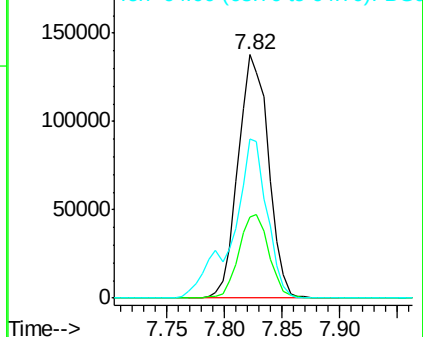
128 100

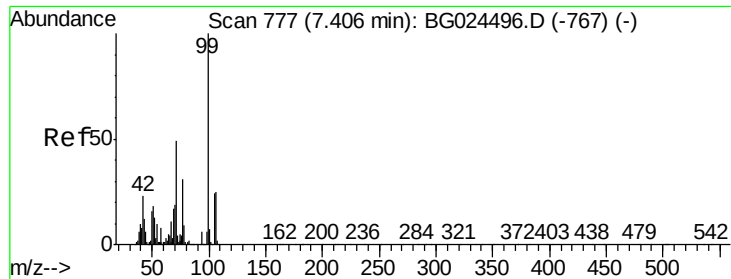
130 33.3 11.4 51.4

64 65.2 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: 38.74 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

Instrument :

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SSTDCCC040EC

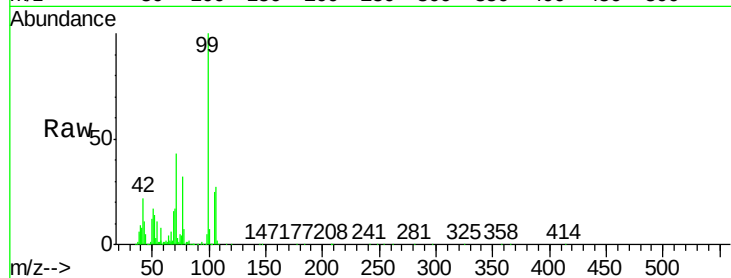
Tgt Ion: 77 Resp: 191756

Ion Ratio Lower Upper

77 100

105 79.7 60.9 100.9

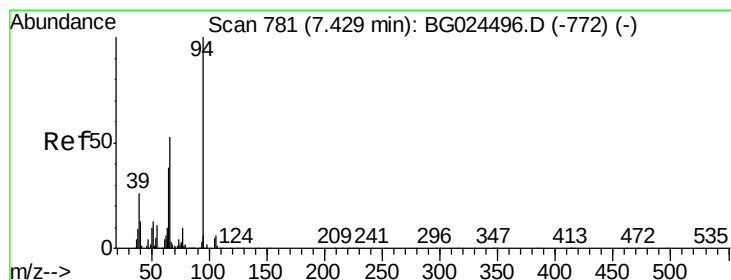
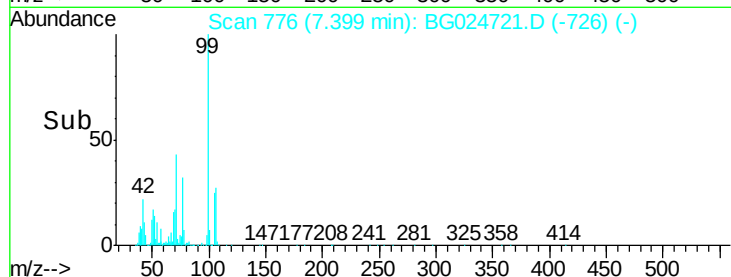
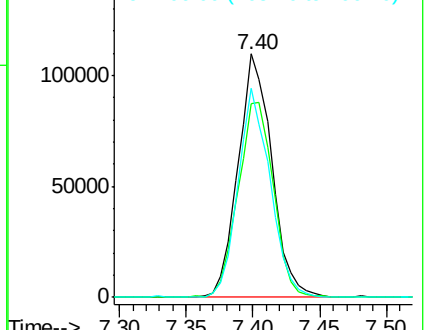
106 86.1 55.1 95.1



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: 42.36 ng

RT: 7.43 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

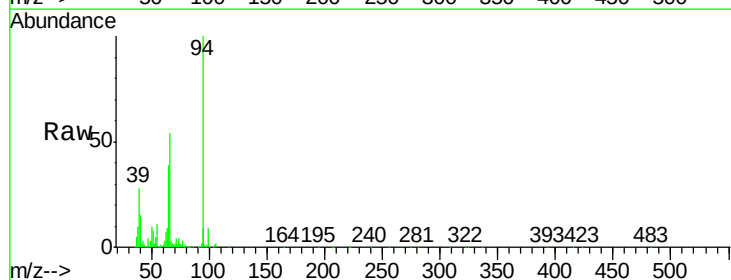
Tgt Ion: 94 Resp: 349721

Ion Ratio Lower Upper

94 100

65 39.4 20.6 60.6

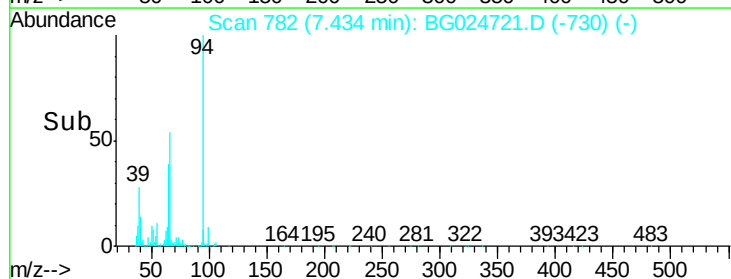
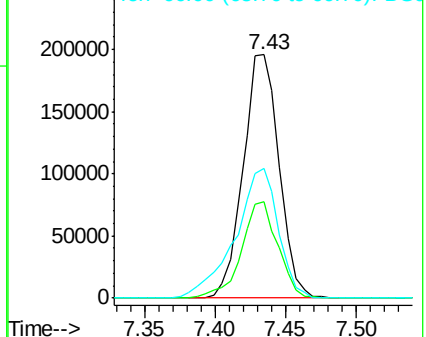
66 53.5 35.5 75.5

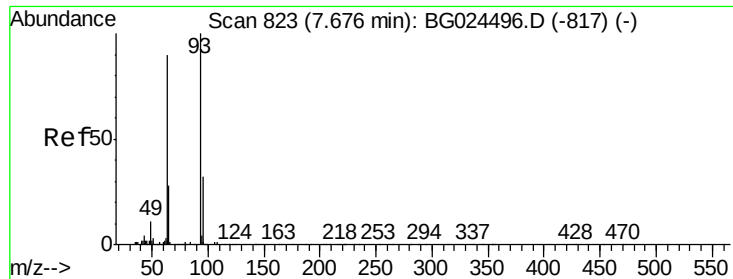


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

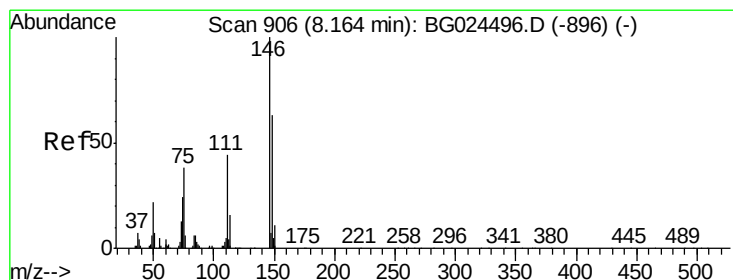
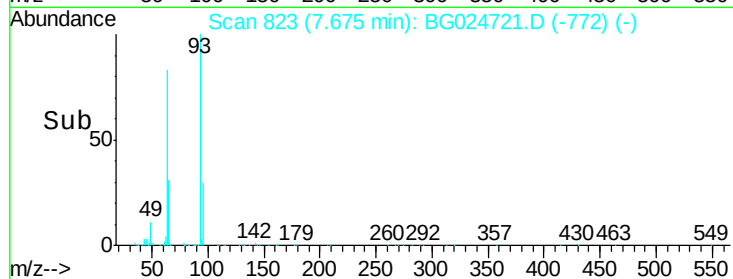
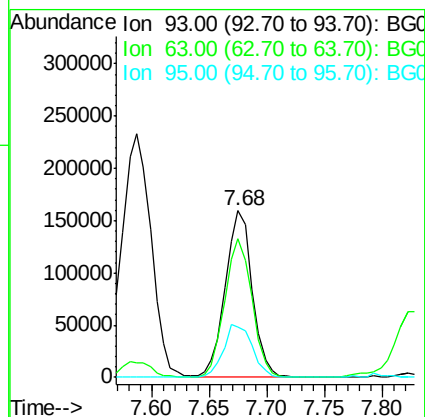
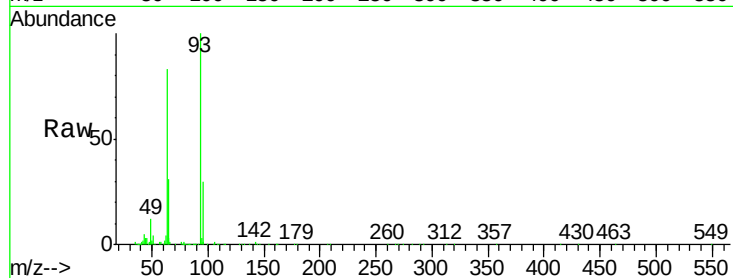




#11
 bis(2-Chloroethyl)ether
 Concen: 41.82 ng
 RT: 7.68 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BG024721.D
 Acq: 5 Nov 2016 20:25

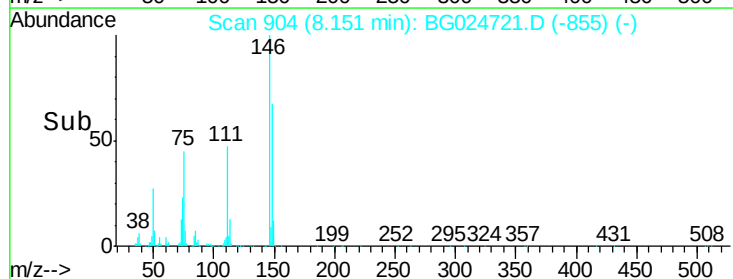
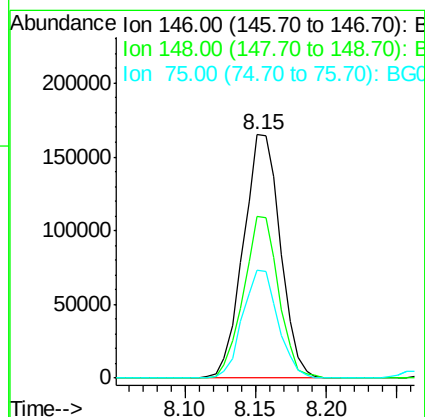
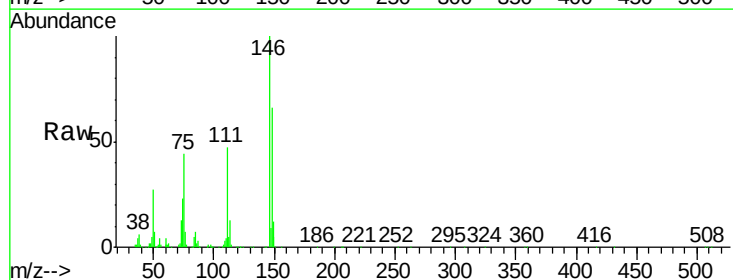
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

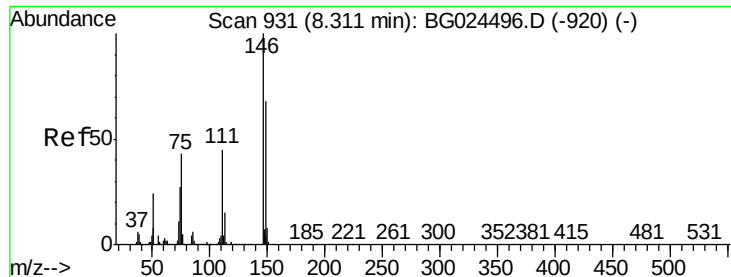
Tgt Ion: 93 Resp: 259348
 Ion Ratio Lower Upper
 93 100
 63 83.1 78.5 118.5
 95 30.4 9.8 49.8



#12
 1,3-Dichlorobenzene
 Concen: 41.27 ng
 RT: 8.15 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BG024721.D
 Acq: 5 Nov 2016 20:25

Tgt Ion: 146 Resp: 303291
 Ion Ratio Lower Upper
 146 100
 148 66.4 49.2 73.8
 75 44.5 33.4 50.2

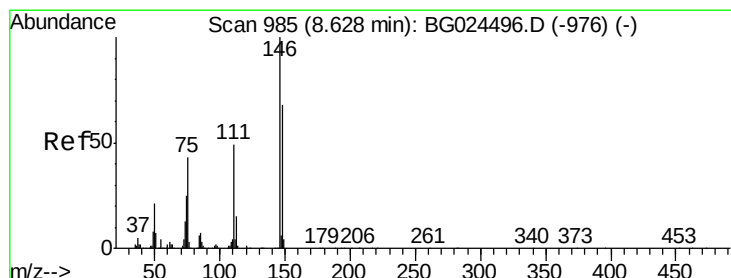
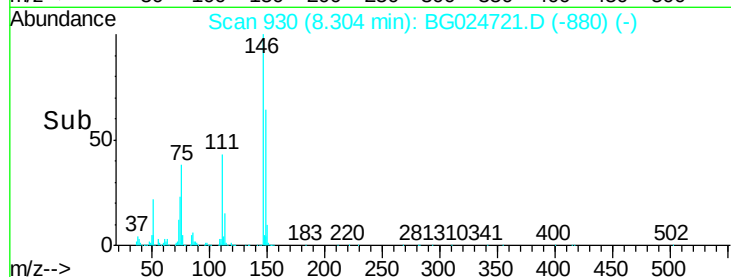
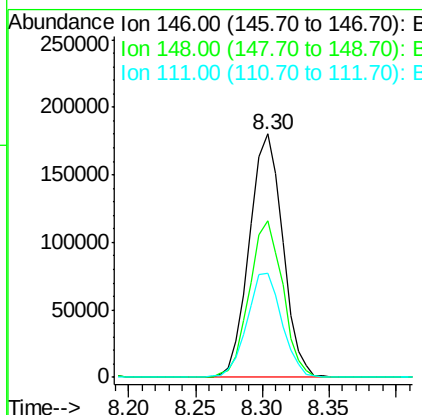
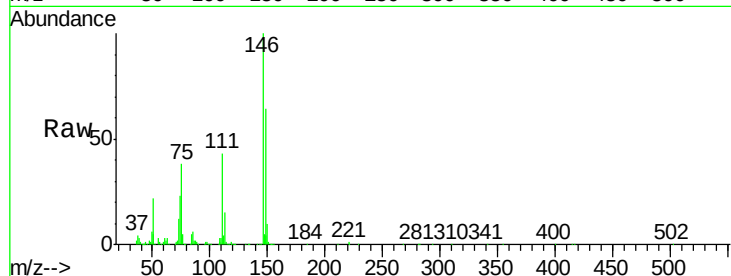




#13
 1,4-Dichlorobenzene
 Concen: 42.92 ng
 RT: 8.30 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BG024721.D
 Acq: 5 Nov 2016 20:25

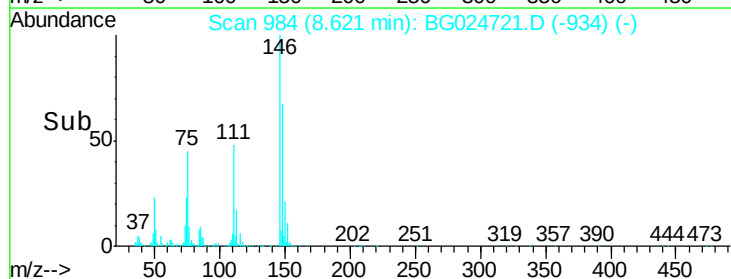
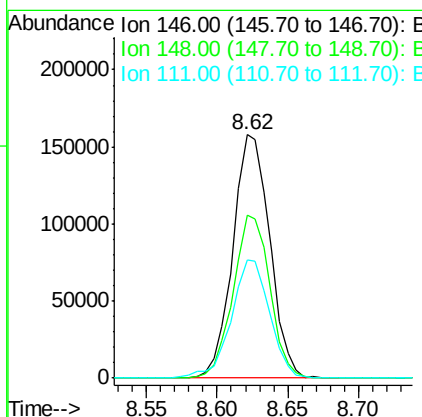
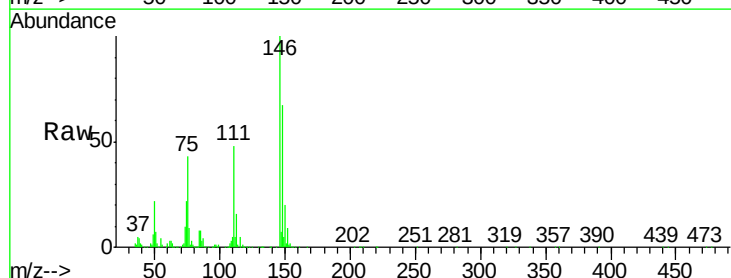
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

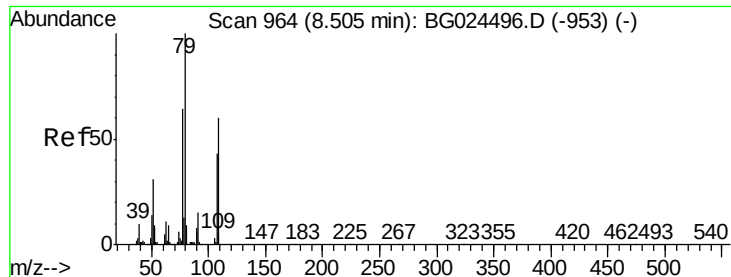
Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.2	78.2
111	42.7	37.0	55.6



#14
 1,2-Dichlorobenzene
 Concen: 41.24 ng
 RT: 8.62 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BG024721.D
 Acq: 5 Nov 2016 20:25

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.7	54.6	81.8
111	48.4	39.7	59.5





#15

Benzyl Alcohol

Concen: 41.63 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

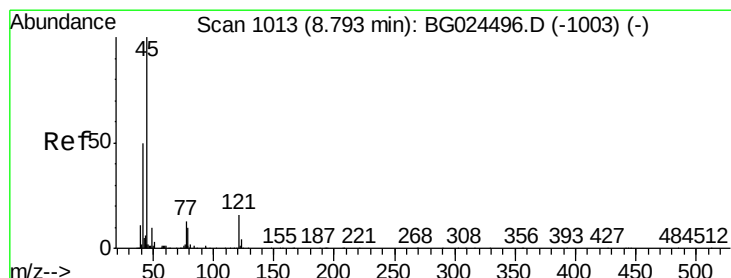
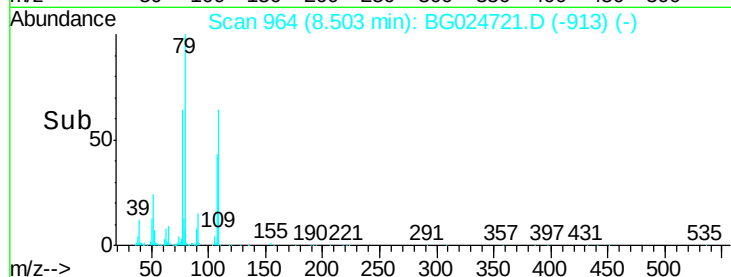
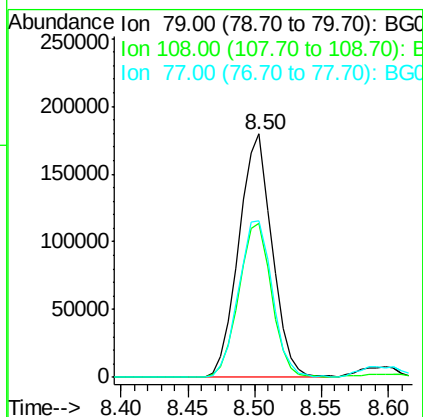
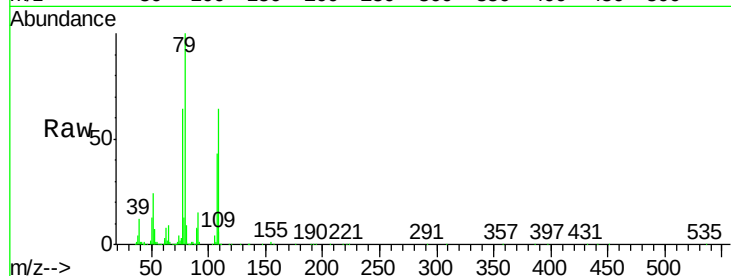
Tgt Ion: 79 Resp: 310121

Ion Ratio Lower Upper

79 100

108 63.5 45.5 68.3

77 64.1 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.40 ng

RT: 8.79 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BG024721.D

Acq: 5 Nov 2016 20:25

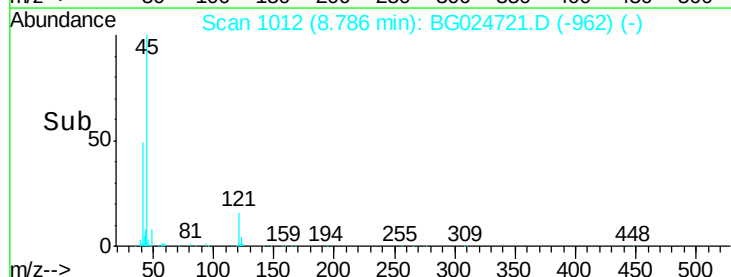
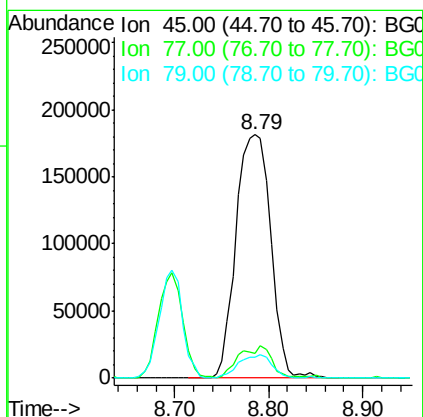
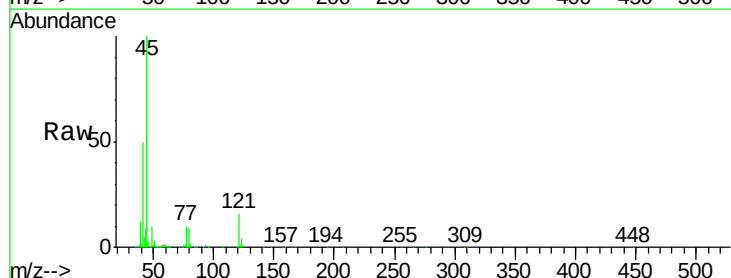
Tgt Ion: 45 Resp: 464903

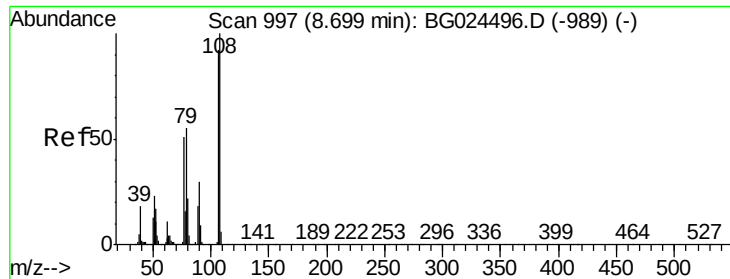
Ion Ratio Lower Upper

45 100

77 10.0 0.0 30.6

79 8.8 0.0 28.5

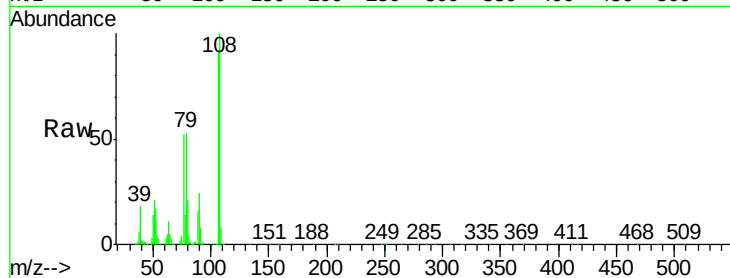




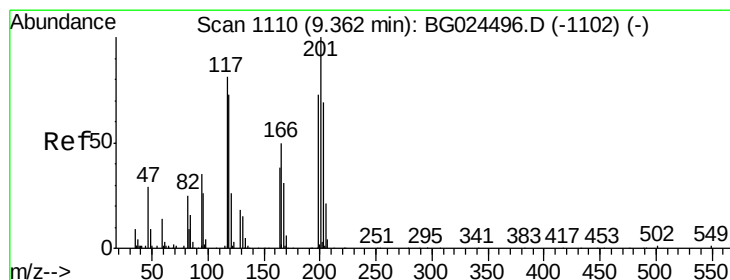
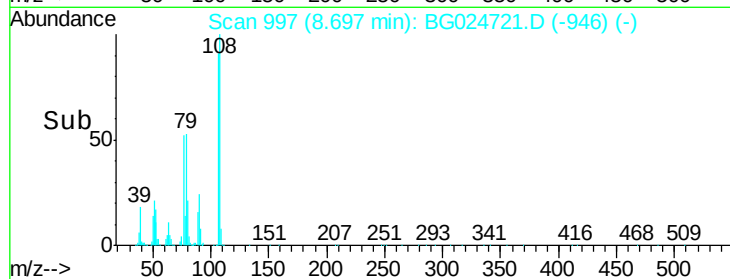
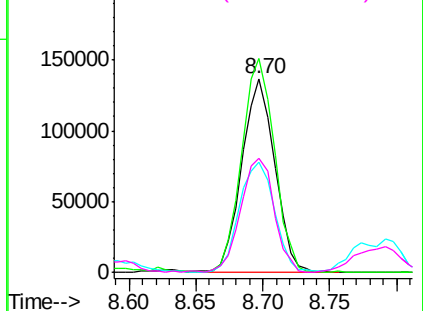
#17
2-Methylphenol
Concen: 42.52 ng
RT: 8.70 min Scan# 997
Delta R.T. -0.00 min
Lab File: BG024721.D
Acq: 5 Nov 2016 20:25

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	107	Resp:	232619
Ion	Ratio	Lower	Upper
107	100		
108	110.5	85.6	128.4
77	57.2	51.4	77.2
79	59.0	49.2	73.8

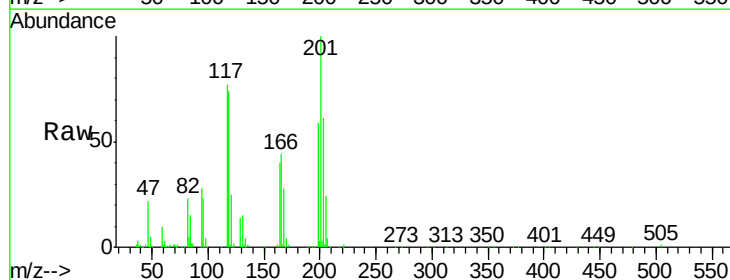


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

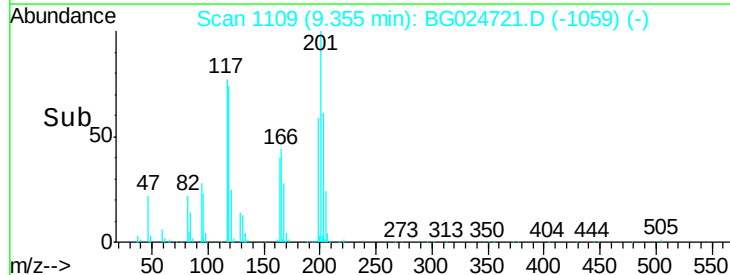
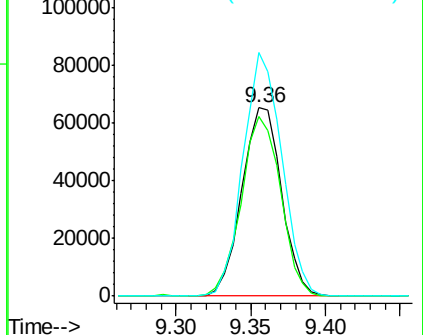


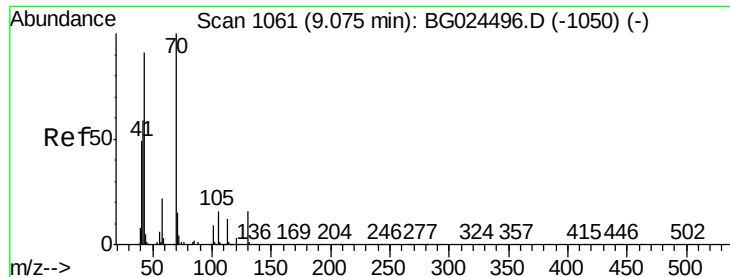
#18
Hexachloroethane
Concen: 42.98 ng
RT: 9.36 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BG024721.D
Acq: 5 Nov 2016 20:25

Tgt Ion:	117	Resp:	119929
Ion	Ratio	Lower	Upper
117	100		
119	95.0	69.8	104.6
201	129.2	95.4	143.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

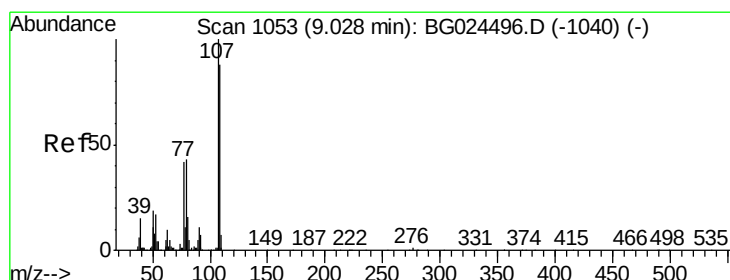
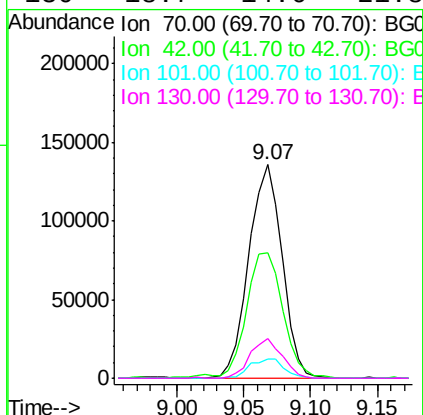
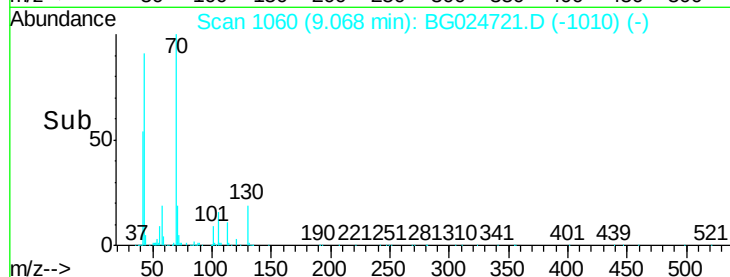
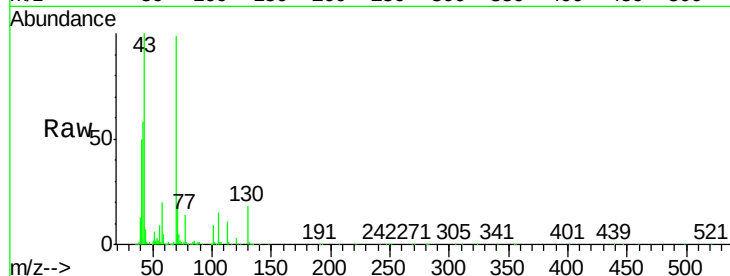




#19
n-Nitroso-di-n-propylamine
Concen: 39.63 ng
RT: 9.07 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG024721.D
Acq: 5 Nov 2016 20:25

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	70	Resp:	233924
Ion	Ratio	Lower	Upper
70	100		
42	58.8	56.1	84.1
101	9.0	7.5	11.3
130	18.7	14.6	21.8



#20
3+4-Methylphenols
Concen: 43.47 ng
RT: 9.02 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BG024721.D
Acq: 5 Nov 2016 20:25

Tgt Ion:	107	Resp:	319267
Ion	Ratio	Lower	Upper
107	100		
108	84.9	70.8	110.8
77	44.5	25.8	65.8
79	36.8	20.1	60.1

