

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102816\
 Data File : BG024544.D
 Acq On : 28 Oct 2016 18:21
 Operator : UM/SJ
 Sample : H5420-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HSR-WC-72-102616MS

Quant Time: Oct 28 23:44:23 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	109019	20.00	ng	0.00
21) Naphthalene-d8	11.10	136	423930	20.00	ng	0.00
38) Acenaphthene-d10	14.89	164	322353	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	718877	20.00	ng	0.00
75) Chrysene-d12	21.93	240	969244	20.00	ng	0.00
86) Perylene-d12	25.36	264	988642	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.81	112	890848	133.93	ng	0.00
7) Phenol-d6	7.41	99	1195469	131.02	ng	0.00
23) Nitrobenzene-d5	9.45	82	943446	101.33	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	761062	158.03	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1831618	94.44	ng	0.00
78) Terphenyl-d14	20.21	244	3197274	98.57	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.68	88	107137	39.43	ng	# 84
3) Pyridine	4.09	79	266546	32.76	ng	89
4) n-Nitrosodimethylamine	4.00	42	189758	45.05	ng	96
6) Aniline	7.60	93	288171	24.93	ng	97
8) 2-Chlorophenol	7.83	128	331415	49.01	ng	95
9) Benzaldehyde	7.41	77	73380	13.01	ng	96
10) Phenol	7.44	94	427517	45.45	ng	97
11) bis(2-Chloroethyl)ether	7.68	93	338381	47.89	ng	87
12) 1,3-Dichlorobenzene	8.16	146	368816	44.05	ng	96
13) 1,4-Dichlorobenzene	8.31	146	367536	44.45	ng	98
14) 1,2-Dichlorobenzene	8.63	146	353034	44.40	ng	95
15) Benzyl Alcohol	8.50	79	394035	46.42	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.80	45	591461	45.12	ng	95
17) 2-Methylphenol	8.70	107	303342	48.67	ng	96
18) Hexachloroethane	9.36	117	141101	44.39	ng	93
19) n-Nitroso-di-n-propylamine	9.07	70	331887	49.36	ng	89
20) 3+4-Methylphenols	9.03	107	418646	50.03	ng	95
22) Acetophenone	9.10	105	534189	49.06	ng	# 96
24) Nitrobenzene	9.49	77	494176	47.71	ng	95
25) Isophorone	10.01	82	887747	51.26	ng	98
26) 2-Nitrophenol	10.20	139	190869	49.64	ng	95
27) 2,4-Dimethylphenol	10.24	122	355540	52.82	ng	94
28) bis(2-Chloroethoxy)methane	10.48	93	484509	54.07	ng	97
29) 2,4-Dichlorophenol	10.74	162	373488	52.87	ng	93
30) 1,2,4-Trichlorobenzene	10.95	180	396193	47.28	ng	97
31) Naphthalene	11.15	128	1024602	48.45	ng	99
32) Benzoic acid	10.35	122	225453	40.22	ng	94
33) 4-Chloroaniline	11.26	127	50370	5.49	ng	# 90
34) Hexachlorobutadiene	11.42	225	314607	47.97	ng	99
35) Caprolactam	12.02	113	65144	25.19	ng	# 76
36) 4-Chloro-3-methylphenol	12.35	107	442841	51.93	ng	99
37) 2-Methylnaphthalene	12.73	142	761578	49.36	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	508577	46.78	ng	99
40) Hexachlorocyclopentadiene	13.06	237	704898	115.13	ng	97

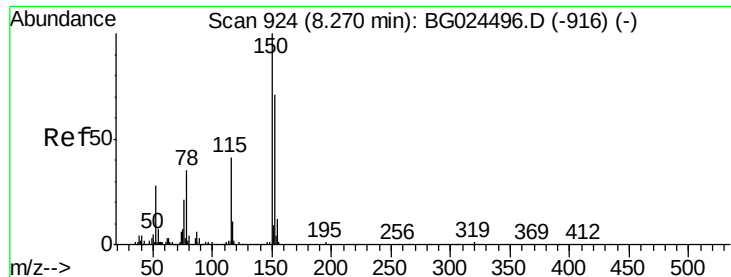
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102816\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.33	196	341014	52.18	ng	98
43) 2,4,5-Trichlorophenol	13.40	196	356263	50.42	ng	94
45) 1,1'-Biphenyl	13.73	154	1061906	47.47	ng	96
46) 2-Chloronaphthalene	13.77	162	842218	49.44	ng	99
47) 2-Nitroaniline	13.97	65	353798	50.73	ng	99
48) Acenaphthylene	14.62	152	1260354	48.25	ng	96
49) Dimethylphthalate	14.33	163	1141340	49.87	ng	98
50) 2,6-Dinitrotoluene	14.46	165	257365	52.68	ng	93
51) Acenaphthene	14.95	154	844056	43.35	ng	100
52) 3-Nitroaniline	14.80	138	71320	14.11	ng	# 90
53) 2,4-Dinitrophenol	14.99	184	362059	102.27	ng	96
54) Dibenzofuran	15.28	168	1345060	49.96	ng	99
55) 4-Nitrophenol	15.08	139	409495	92.97	ng	# 90
56) 2,4-Dinitrotoluene	15.24	165	371029	52.26	ng	# 98
57) Fluorene	15.93	166	1097328	49.15	ng	98
58) 2,3,4,6-Tetrachlorophenol	15.50	232	383537	52.36	ng	95
59) Diethylphthalate	15.68	149	1183461	49.33	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	628607	50.18	ng	97
61) 4-Nitroaniline	15.95	138	215649	39.05	ng	97
62) Azobenzene	16.21	77	1220947	51.02	ng	97
64) 4,6-Dinitro-2-methylphenol	16.00	198	253239	51.13	ng	96
65) n-Nitrosodiphenylamine	16.13	169	938644	47.76	ng	98
66) 4-Bromophenyl-phenylether	16.81	248	448666	51.41	ng	97
67) Hexachlorobenzene	16.93	284	500076	51.86	ng	91
68) Atrazine	17.06	200	251277	29.81	ng	95
69) Pentachlorophenol	17.27	266	650146	102.18	ng	94
70) Phenanthrene	17.67	178	1838294	50.17	ng	97
71) Anthracene	17.76	178	1889847	51.12	ng	99
72) Carbazole	18.03	167	1535533	45.55	ng	98
73) Di-n-butylphthalate	18.56	149	1940632	49.92	ng	98
74) Fluoranthene	19.67	202	2331293	50.33	ng	97
77) Pyrene	20.03	202	2359522	49.80	ng	97
79) Butylbenzylphthalate	20.89	149	1013524	51.31	ng	99
80) Benzo(a)anthracene	21.90	228	2638819	49.56	ng	98
81) 3,3'-Dichlorobenzidine	21.82	252	160234	7.46	ng	# 93
82) Chrysene	21.98	228	2495828	49.22	ng	98
83) Bis(2-ethylhexyl)phthalate	21.77	149	1418566	50.20	ng	99
84) Di-n-octyl phthalate	23.04	149	2418166	51.57	ng	95
85) Indeno(1,2,3-cd)pyrene	29.31	276	3437647	49.11	ng	# 98
87) Benzo(b)fluoranthene	24.26	252	2791936	52.25	ng	98
88) Benzo(k)fluoranthene	24.33	252	2720690	52.72	ng	98
89) Benzo(a)pyrene	25.20	252	2688222	51.48	ng	98
90) Dibenzo(a,h)anthracene	29.38	278	2900328	50.60	ng	97
91) Benzo(g,h,i)perylene	30.55	276	2812142	49.11	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 925

Delta R.T. 0.00 min

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Instrument :

BNA_G

ClientSampleId :

HSR-WC-72-102616MS

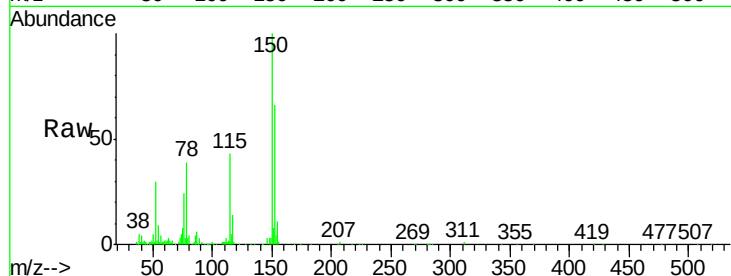
Tgt Ion:152 Resp: 109019

Ion Ratio Lower Upper

152 100

150 150.5 114.0 171.0

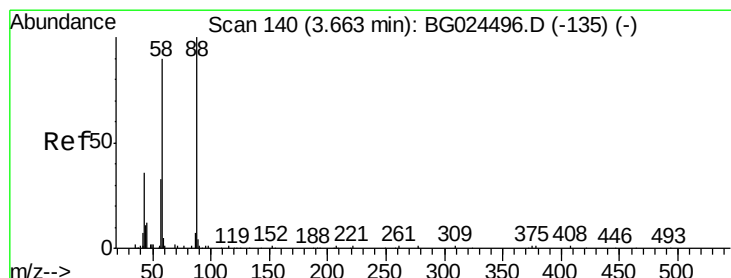
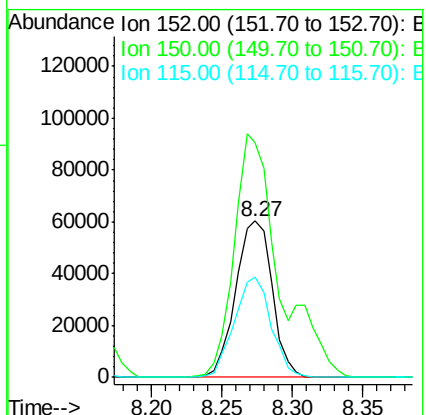
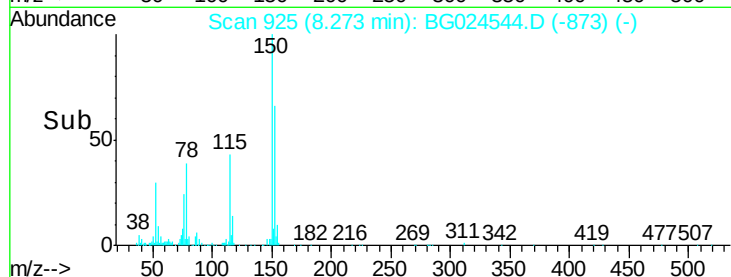
115 64.3 48.1 72.1



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: 39.43 ng

RT: 3.68 min Scan# 143

Delta R.T. 0.02 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

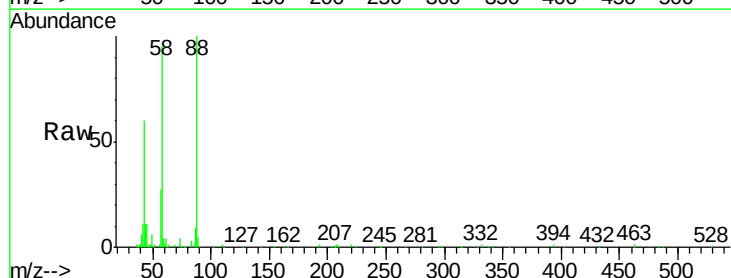
Tgt Ion: 88 Resp: 107137

Ion Ratio Lower Upper

88 100

58 91.9 79.4 119.2

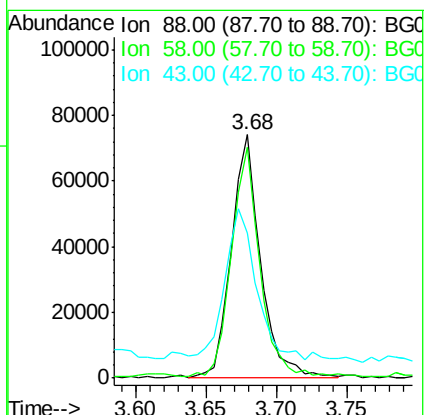
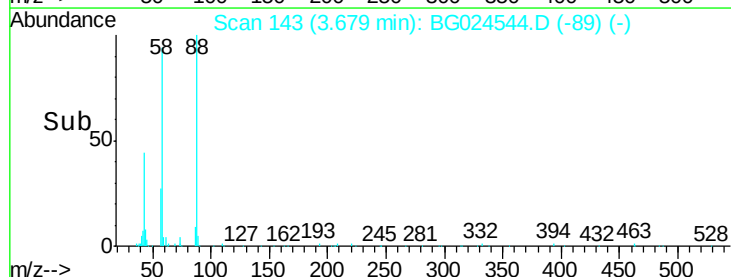
43 65.9 33.8 50.6#

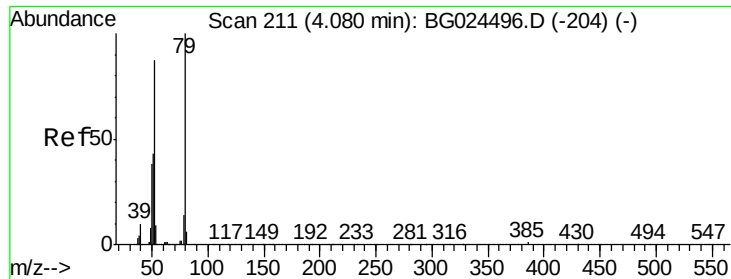


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 32.76 ng

RT: 4.09 min Scan# 213

Delta R.T. 0.01 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

Instrument :

BNA_G

ClientSampleId :

HSR-WC-72-102616MS

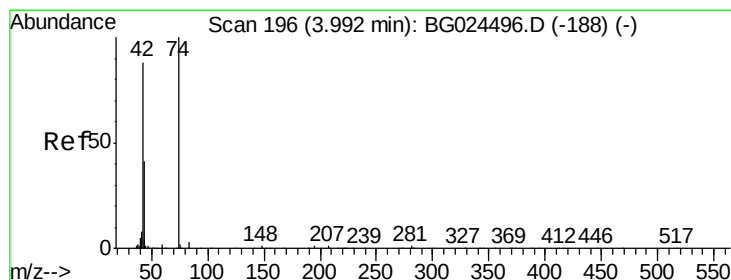
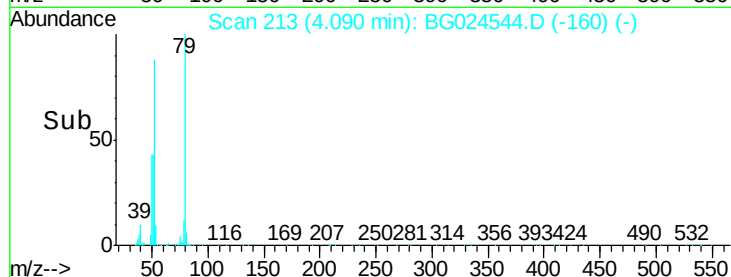
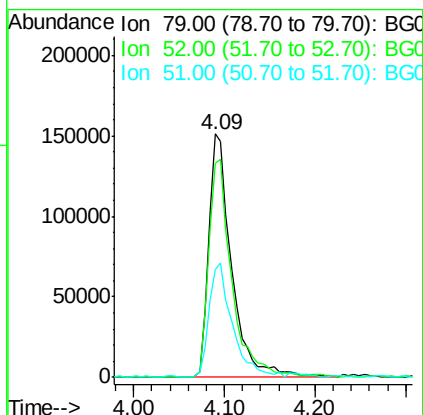
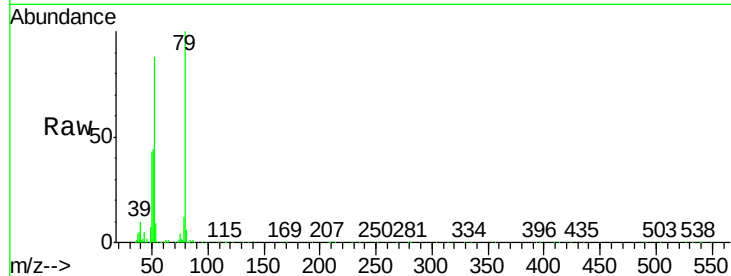
Tgt Ion: 79 Resp: 266546

Ion Ratio Lower Upper

79 100

52 87.7 77.8 116.6

51 44.4 43.2 64.8



#4

n-Nitrosodimethylamine

Concen: 45.05 ng

RT: 4.00 min Scan# 197

Delta R.T. 0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

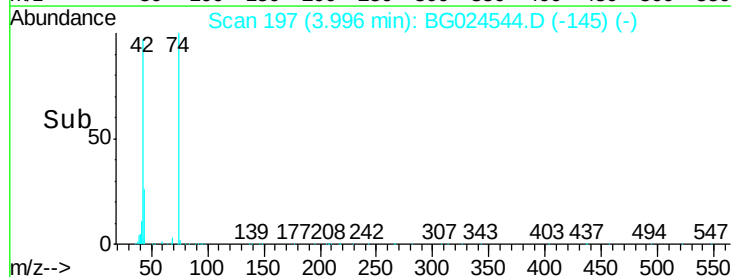
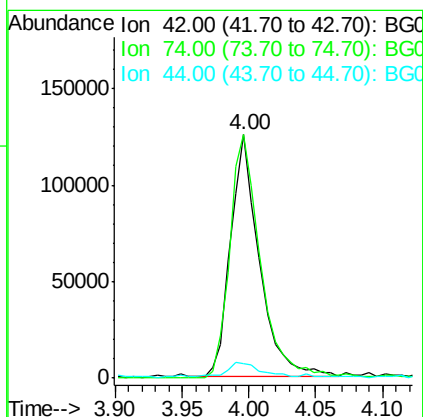
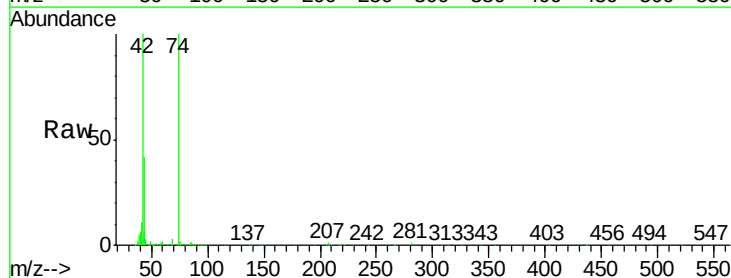
Tgt Ion: 42 Resp: 189758

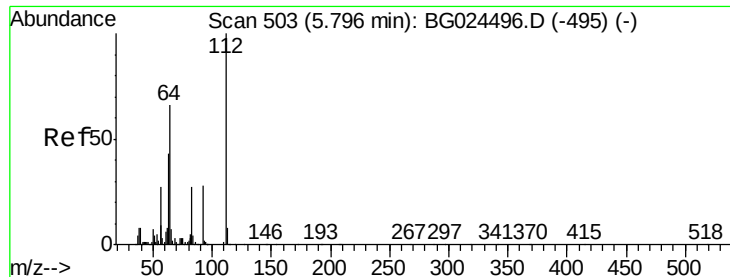
Ion Ratio Lower Upper

42 100

74 100.1 76.7 115.1

44 6.1 6.1 9.1





#5

2-Fluorophenol

Concen: 133.93 ng

RT: 5.81 min Scan# 505

Delta R.T. 0.01 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

Instrument :

BNA_G

ClientSampleId :

HSR-WC-72-102616MS

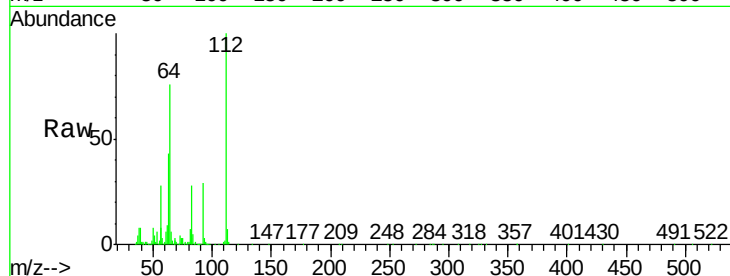
Tgt Ion: 112 Resp: 890848

Ion Ratio Lower Upper

112 100

64 76.5 61.8 92.6

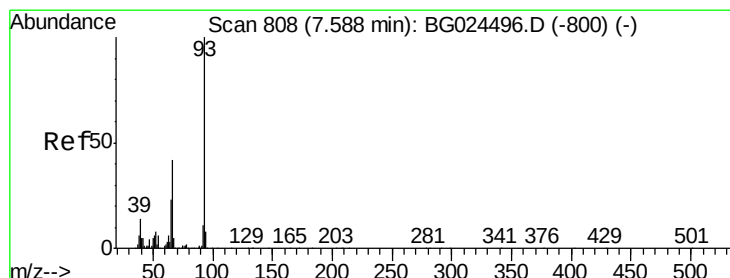
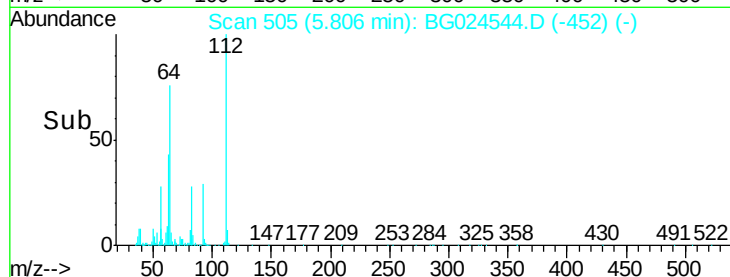
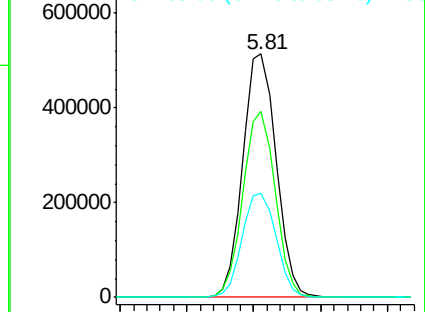
63 42.7 37.2 55.8



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: 24.93 ng

RT: 7.60 min Scan# 810

Delta R.T. 0.01 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

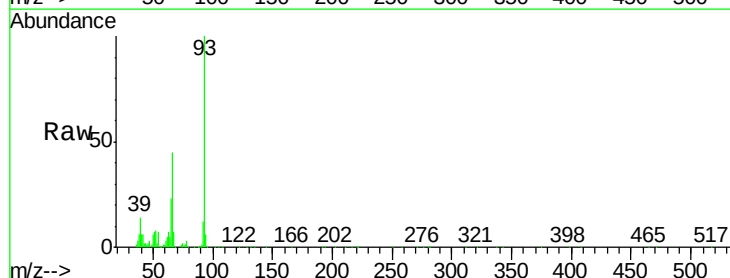
Tgt Ion: 93 Resp: 288171

Ion Ratio Lower Upper

93 100

66 45.3 35.4 53.2

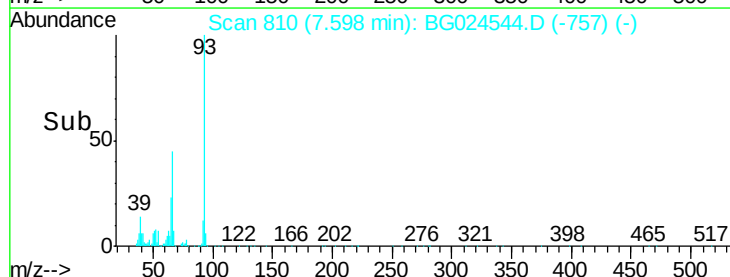
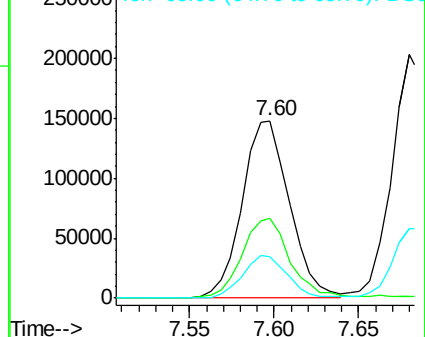
65 23.1 21.2 31.8

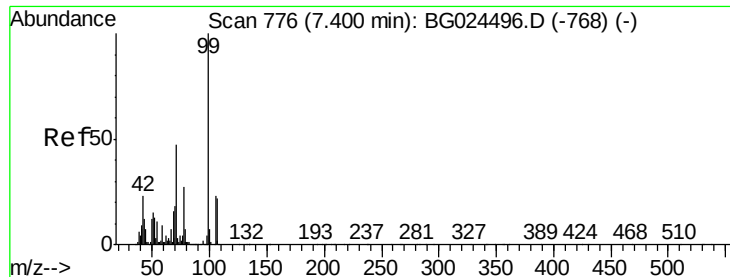


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 131.02 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.01 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

Instrument :

BNA_G

ClientSampleId :

HSR-WC-72-102616MS

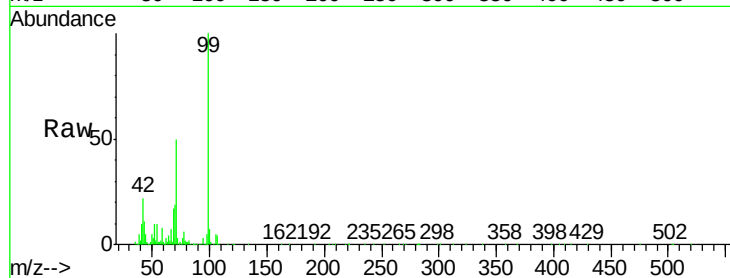
Tgt Ion: 99 Resp: 1195469

Ion Ratio Lower Upper

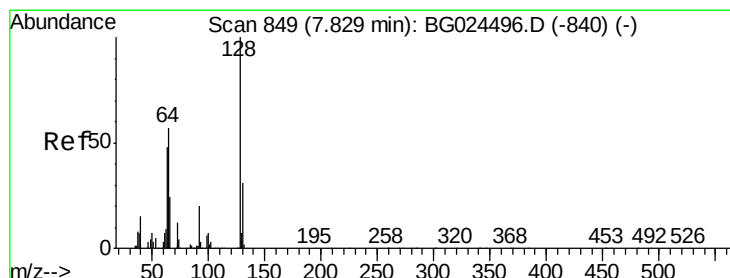
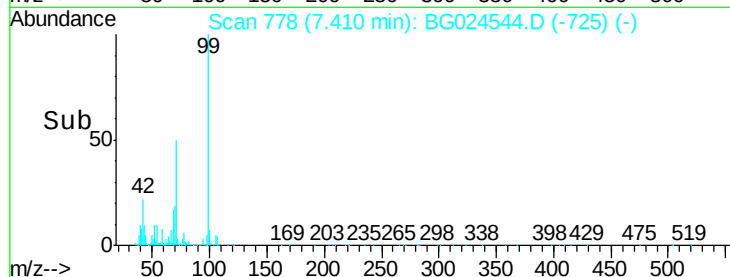
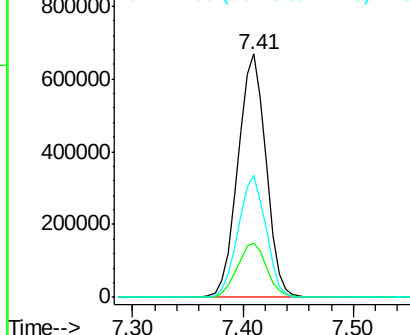
99 100

42 22.5 20.5 30.7

71 49.9 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: 49.01 ng

RT: 7.83 min Scan# 850

Delta R.T. 0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

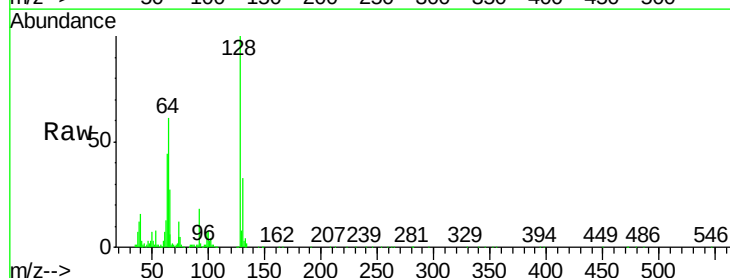
Tgt Ion: 128 Resp: 331415

Ion Ratio Lower Upper

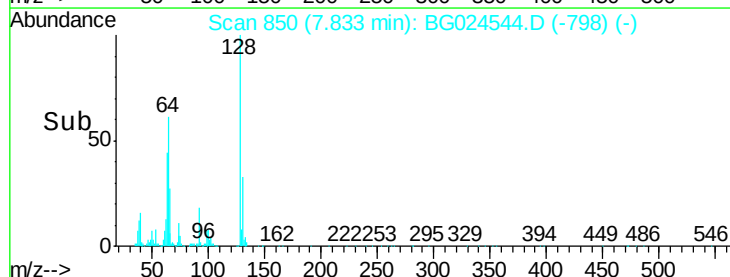
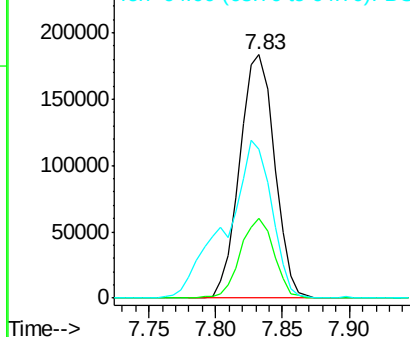
128 100

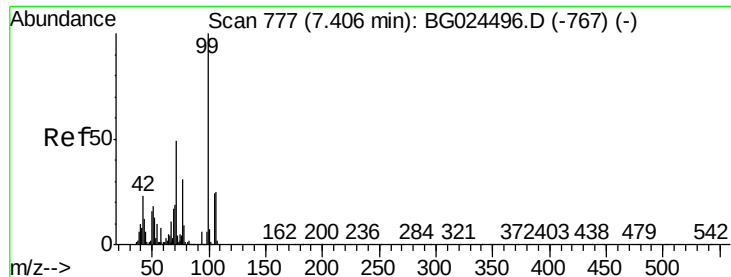
130 33.0 11.4 51.4

64 61.3 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: 13.01 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

Instrument :

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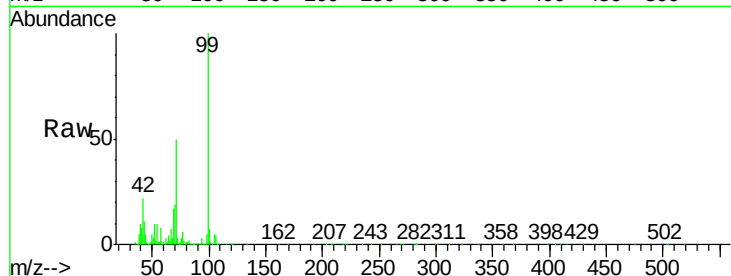
Tgt Ion: 77 Resp: 73380

Ion Ratio Lower Upper

77 100

105 85.5 60.9 100.9

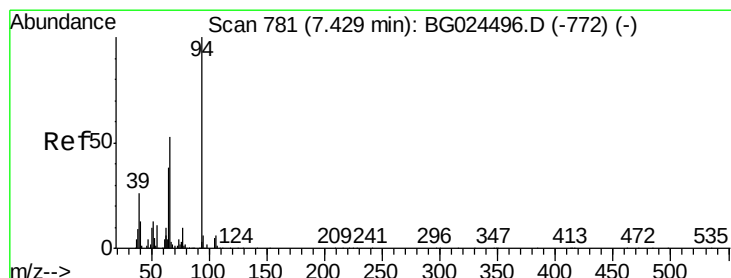
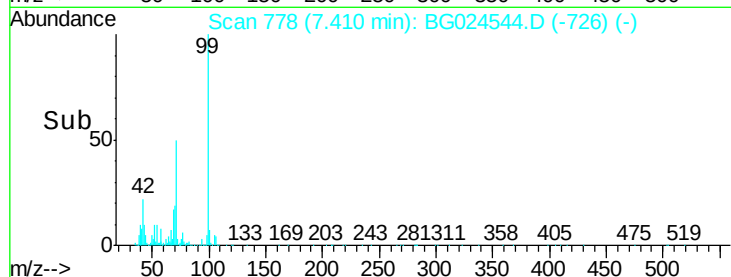
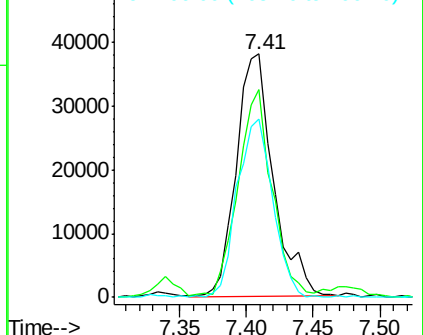
106 73.1 55.1 95.1



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: 45.45 ng

RT: 7.44 min Scan# 783

Delta R.T. 0.01 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

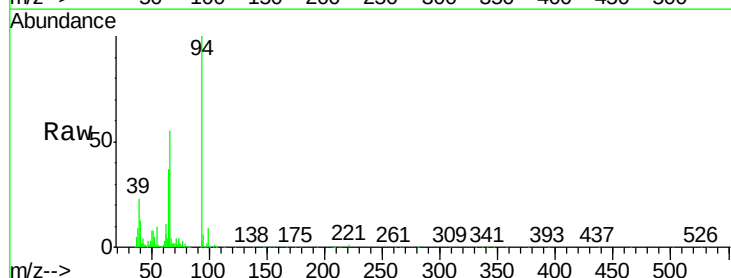
Tgt Ion: 94 Resp: 427517

Ion Ratio Lower Upper

94 100

65 37.4 20.6 60.6

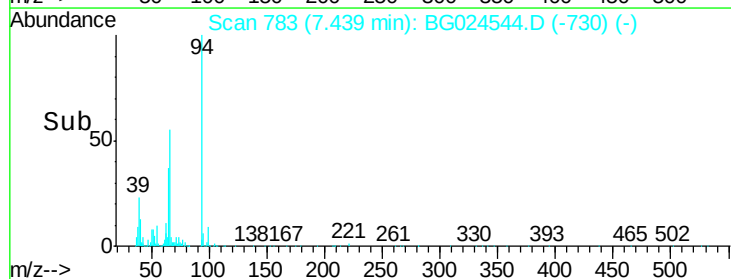
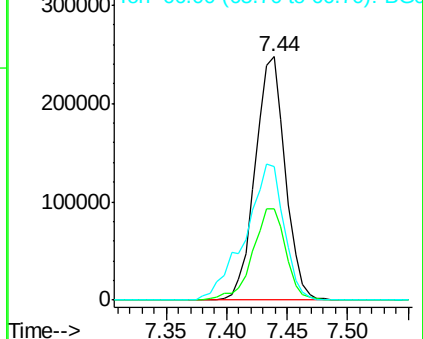
66 54.9 35.5 75.5

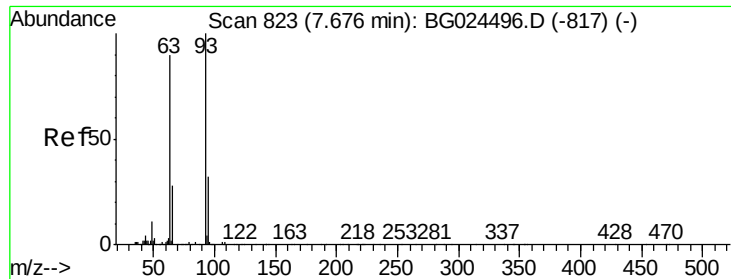


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

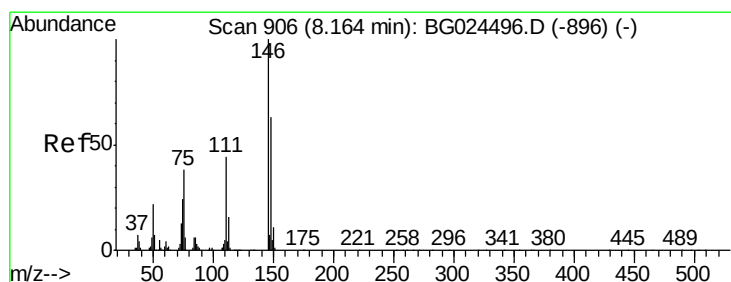
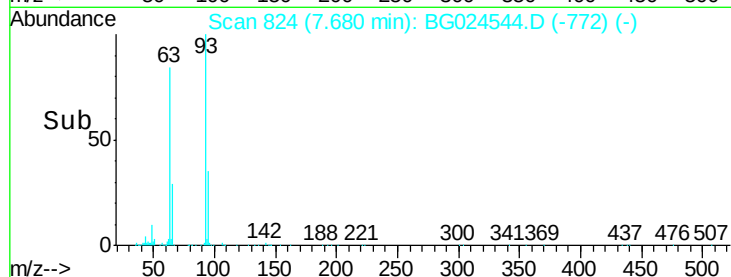
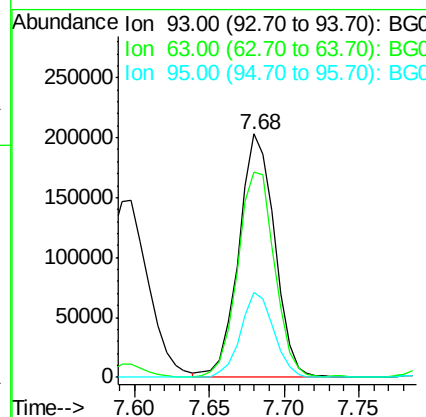
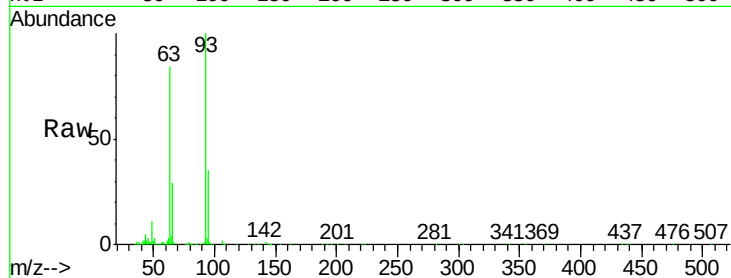




#11
bis(2-Chloroethyl)ether
Concen: 47.89 ng
RT: 7.68 min Scan# 824
Delta R.T. 0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

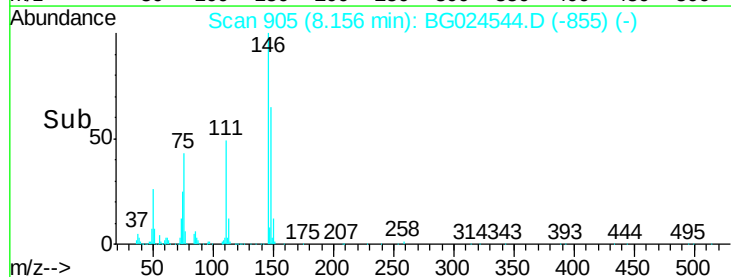
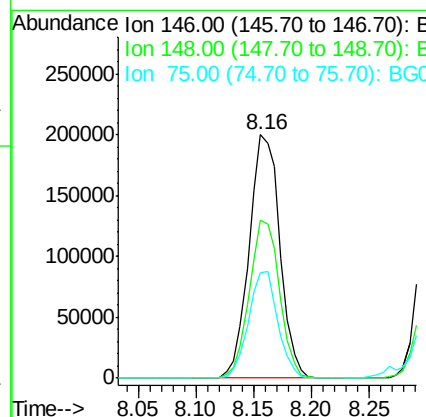
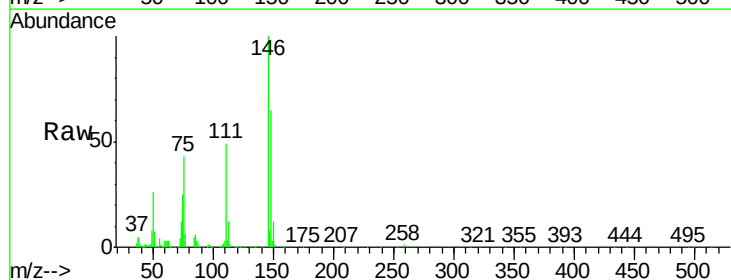
Instrument :
BNA_G
ClientSampleId :
HSR-WC-72-102616MS

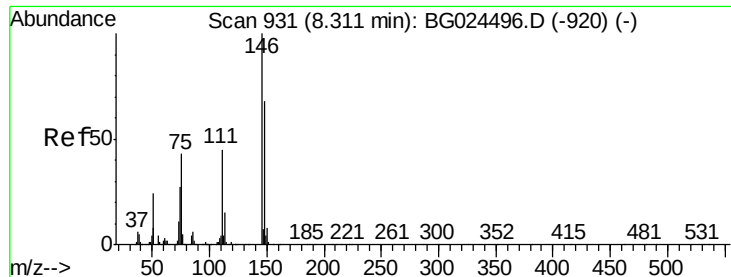
Tgt Ion: 93 Resp: 338381
Ion Ratio Lower Upper
93 100
63 84.1 78.5 118.5
95 34.7 9.8 49.8



#12
1,3-Dichlorobenzene
Concen: 44.05 ng
RT: 8.16 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

Tgt Ion: 146 Resp: 368816
Ion Ratio Lower Upper
146 100
148 65.0 49.2 73.8
75 43.0 33.4 50.2





#13

1,4-Dichlorobenzene

Concen: 44.45 ng

RT: 8.31 min Scan# 931

Delta R.T. -0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

Instrument :

BNA_G

ClientSampleId :

HSR-WC-72-102616MS

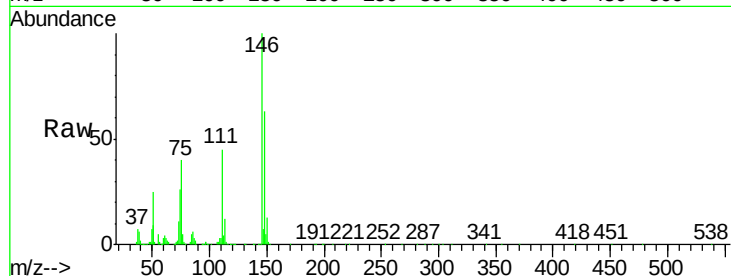
Tgt Ion:146 Resp: 367536

Ion Ratio Lower Upper

146 100

148 63.2 52.2 78.2

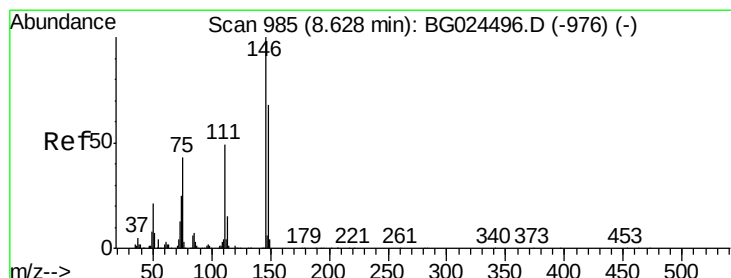
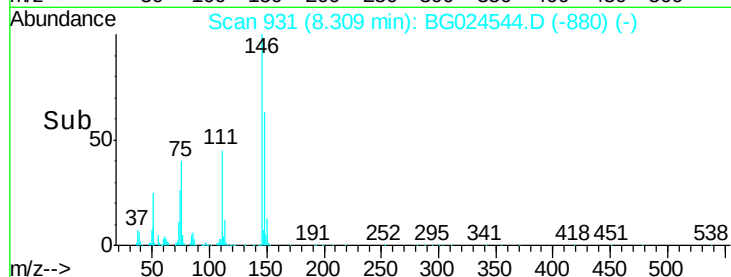
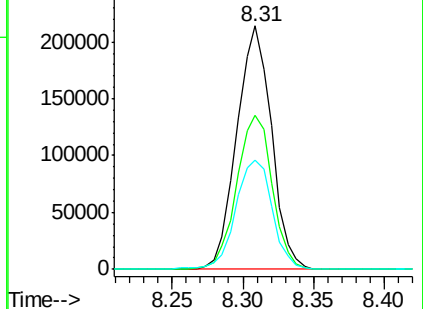
111 44.8 37.0 55.6



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: 44.40 ng

RT: 8.63 min Scan# 986

Delta R.T. 0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

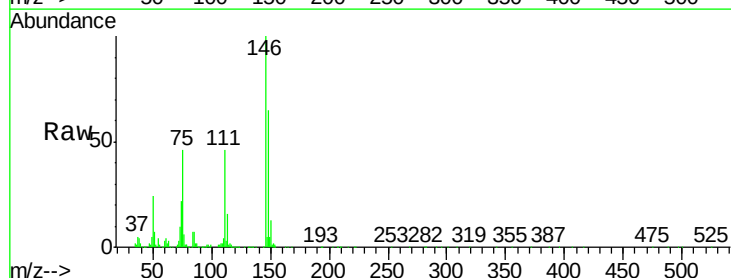
Tgt Ion:146 Resp: 353034

Ion Ratio Lower Upper

146 100

148 64.8 54.6 81.8

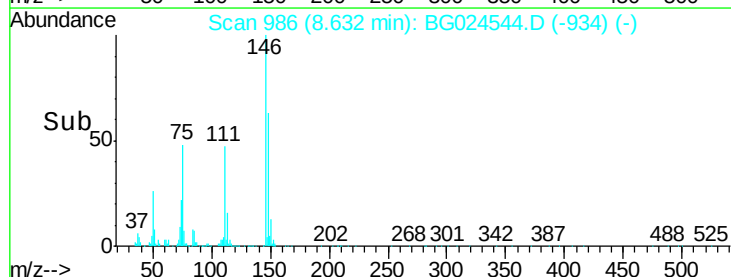
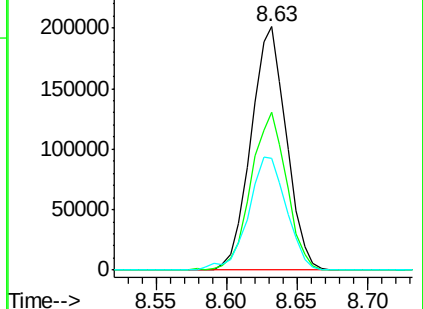
111 45.9 39.7 59.5

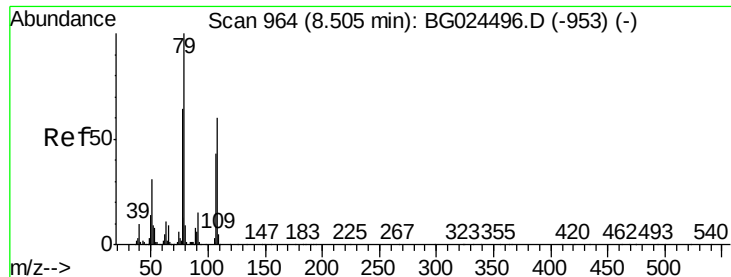


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 46.42 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

Instrument :

BNA_G

ClientSampleId :

HSR-WC-72-102616MS

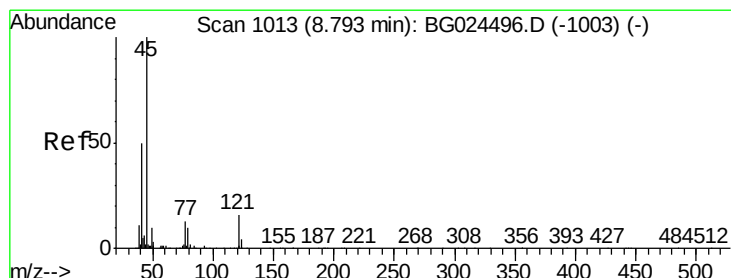
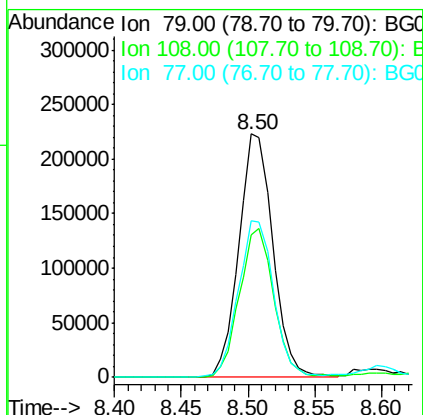
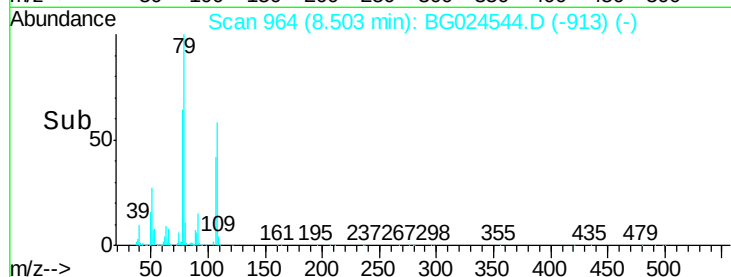
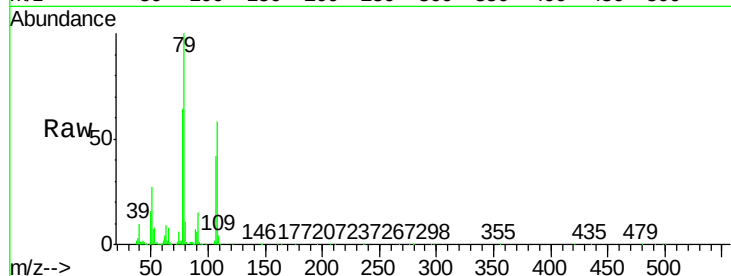
Tgt Ion: 79 Resp: 394035

Ion Ratio Lower Upper

79 100

108 58.3 45.5 68.3

77 64.1 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.12 ng

RT: 8.80 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BG024544.D

Acq: 28 Oct 2016 18:21

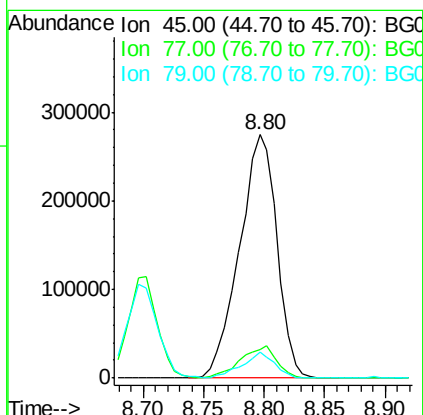
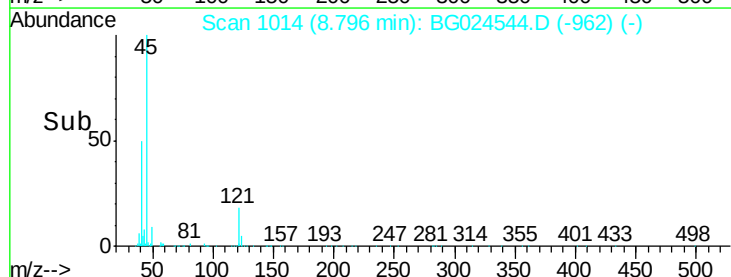
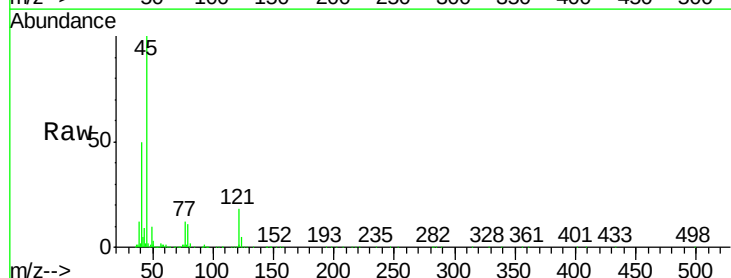
Tgt Ion: 45 Resp: 591461

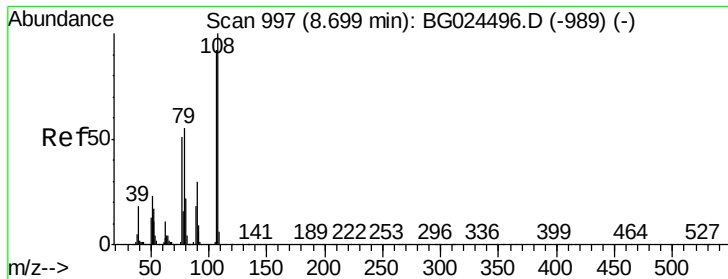
Ion Ratio Lower Upper

45 100

77 12.0 0.0 30.6

79 10.7 0.0 28.5

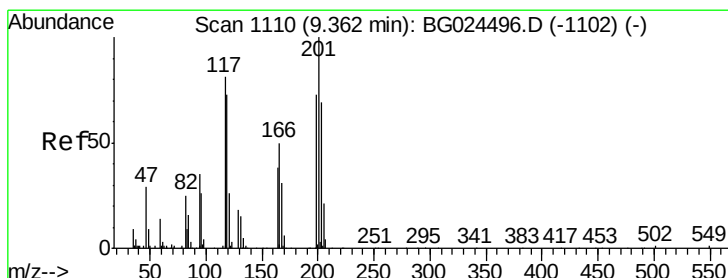
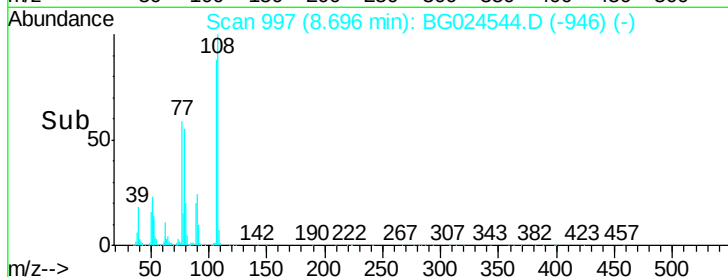
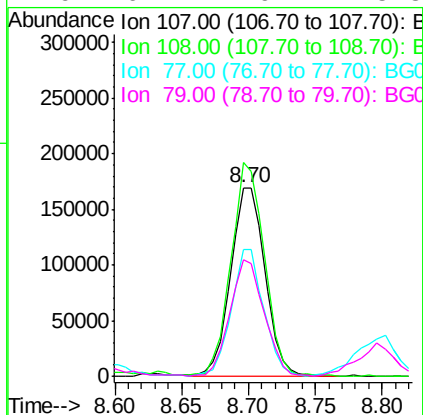
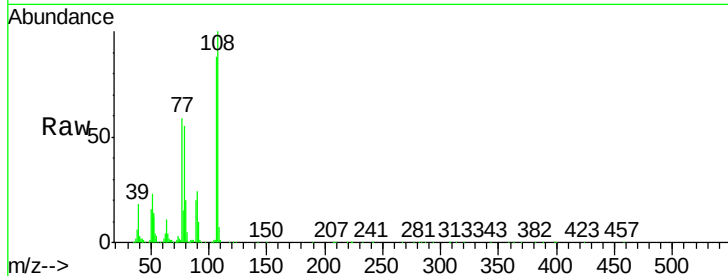




#17
2-Methylphenol
Concen: 48.67 ng
RT: 8.70 min Scan# 997
Delta R.T. -0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

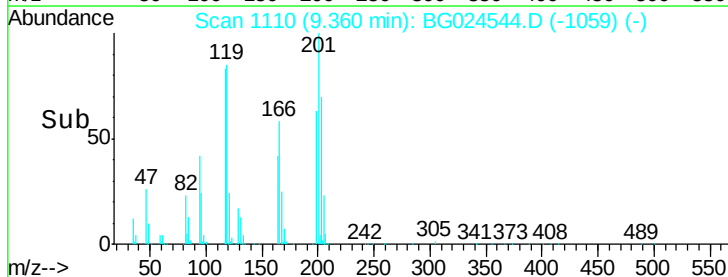
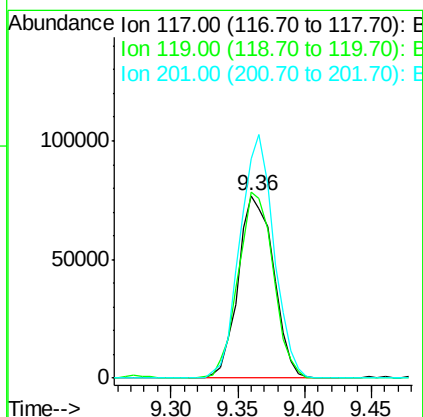
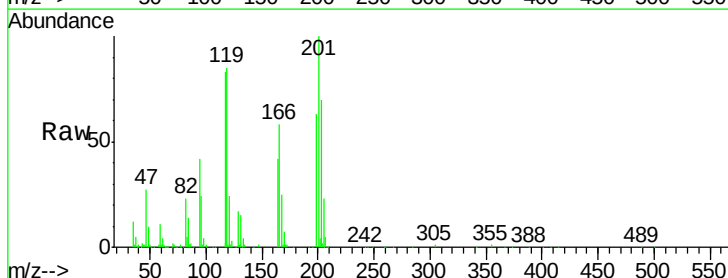
Instrument :
BNA_G
ClientSampleId :
HSR-WC-72-102616MS

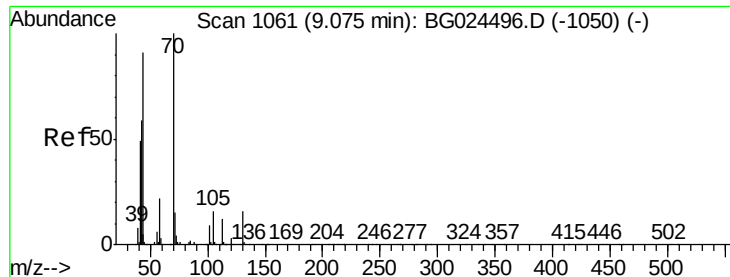
Tgt Ion:	107	Resp:	303342
Ion	Ratio	Lower	Upper
107	100		
108	113.2	85.6	128.4
77	67.0	51.4	77.2
79	62.1	49.2	73.8



#18
Hexachloroethane
Concen: 44.39 ng
RT: 9.36 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

Tgt Ion:	117	Resp:	141101
Ion	Ratio	Lower	Upper
117	100		
119	101.8	69.8	104.6
201	120.3	95.4	143.0

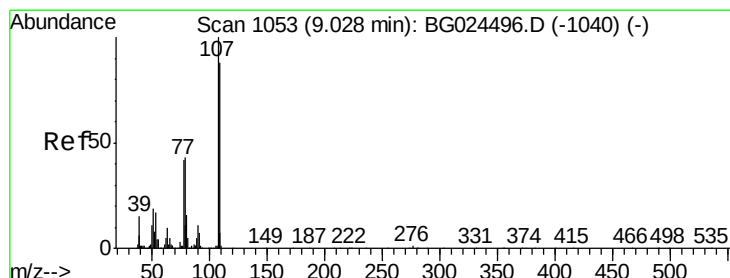
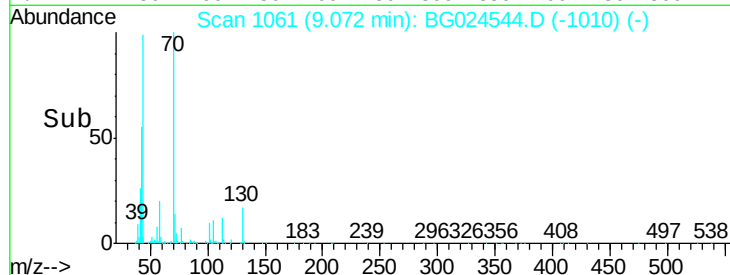
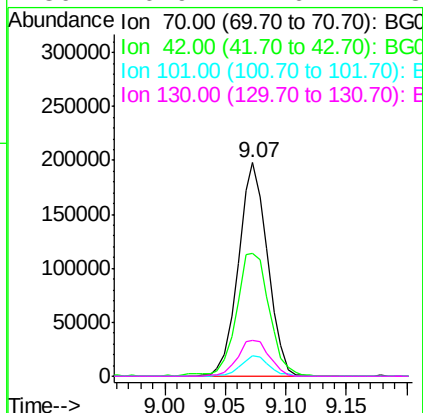
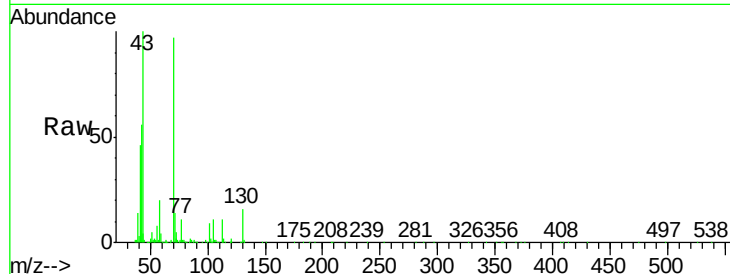




#19
n-Nitroso-di-n-propylamine
Concen: 49.36 ng
RT: 9.07 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

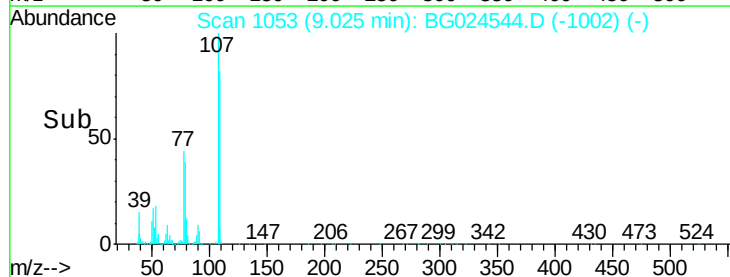
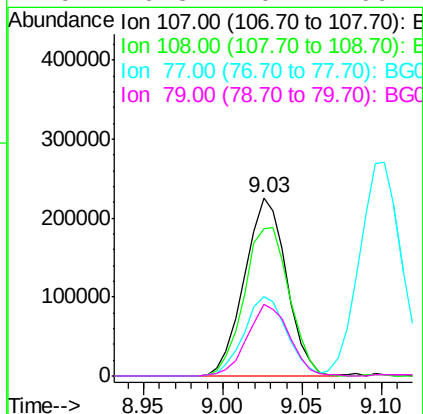
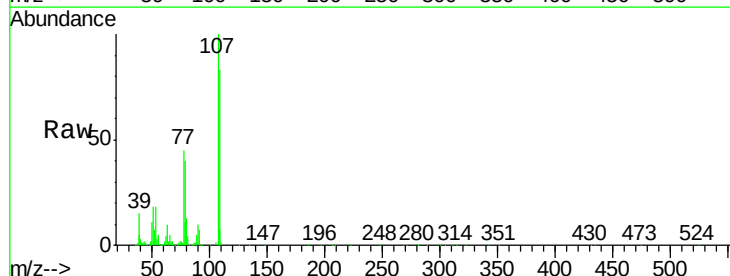
Instrument :
BNA_G
ClientSampleId :
HSR-WC-72-102616MS

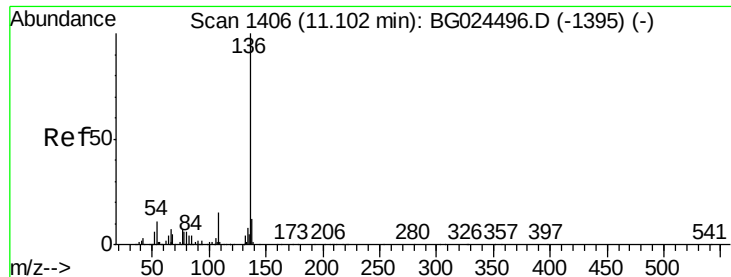
Tgt Ion:	70	Resp:	331887
Ion	Ratio	Lower	Upper
70	100		
42	57.8	56.1	84.1
101	9.7	7.5	11.3
130	16.9	14.6	21.8



#20
3+4-Methylphenols
Concen: 50.03 ng
RT: 9.03 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

Tgt Ion:	107	Resp:	418646
Ion	Ratio	Lower	Upper
107	100		
108	82.8	70.8	110.8
77	44.9	25.8	65.8
79	40.3	20.1	60.1

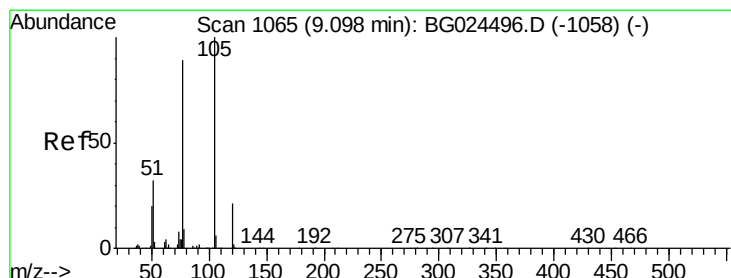
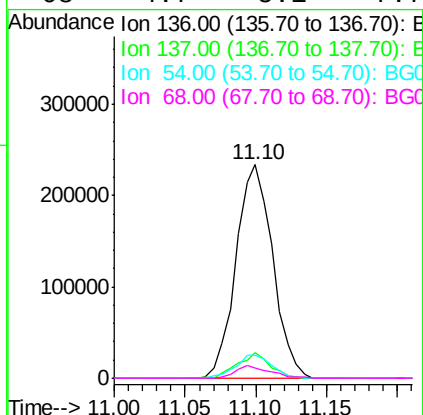
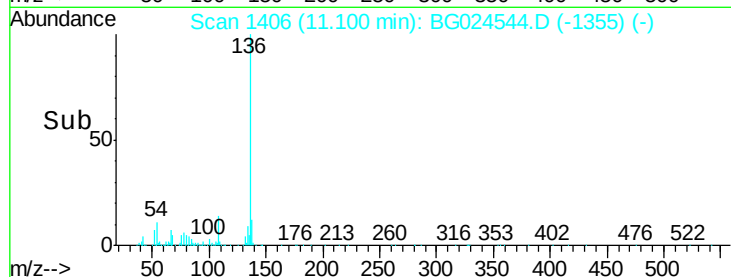
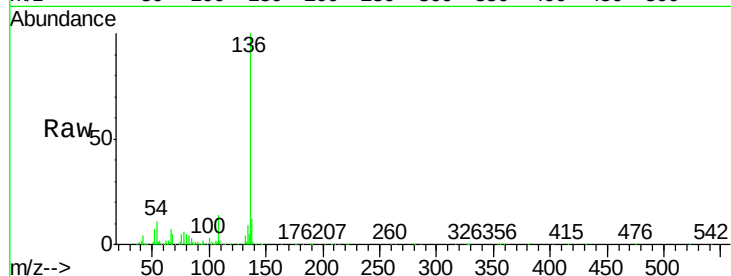




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.10 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

Instrument :
BNA_G
ClientSampleId :
HSR-WC-72-102616MS

Tgt Ion:	136	Resp:	423930
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	10.8	9.3	13.9
68	4.7	5.1	7.7#



#22
Acetophenone
Concen: 49.06 ng
RT: 9.10 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BG024544.D
Acq: 28 Oct 2016 18:21

Tgt Ion:	105	Resp:	534189
Ion	Ratio	Lower	Upper
105	100		
71	0.3	0.9	1.3#
51	39.4	34.0	51.0
120	22.8	17.3	25.9

