

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042015\
 Data File : BG016554.D
 Acq On : 20 Apr 2015 16:57
 Operator : TP/IZ
 Sample : G1868-04MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P5-28(0-5)MS

Quant Time: Apr 21 01:51:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 01:34:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	76433	20.00	ng	0.01
21) Naphthalene-d8	10.44	136	350176	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	212548	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	439941	20.00	ng	0.00
75) Chrysene-d12	21.21	240	375816	20.00	ng	0.00
86) Perylene-d12	23.44	264	354272	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	546967	112.94	ng	0.01
7) Phenol-d6	6.84	99	779952	107.28	ng	0.01
23) Nitrobenzene-d5	8.81	82	398724	65.96	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	168483	117.21	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	890649	71.34	ng	0.00
78) Terphenyl-d14	19.66	244	1029827	64.13	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.12	88	57426	26.08	ng	98
3) Pyridine	3.52	79	162998	24.77	ng	95
4) n-Nitrosodimethylamine	3.44	42	56654	28.96	ng	97
6) Aniline	6.98	93	140676	13.55	ng	96
8) 2-Chlorophenol	7.23	128	212280	36.50	ng	93
9) Benzaldehyde	6.80	77	34719	8.15	ng	88
10) Phenol	6.87	94	269503	34.65	ng	98
11) bis(2-Chloroethyl)ether	7.08	93	187127	30.17	ng	97
12) 1,3-Dichlorobenzene	7.54	146	193760	32.99	ng	96
13) 1,4-Dichlorobenzene	7.69	146	200004	32.83	ng	96
14) 1,2-Dichlorobenzene	8.00	146	194168	33.32	ng	97
15) Benzyl Alcohol	7.90	79	155731	30.73	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.19	45	194415	27.83	ng	96
17) 2-Methylphenol	8.11	107	179526	34.42	ng	98
18) Hexachloroethane	8.72	117	72152	30.96	ng	95
19) n-Nitroso-di-n-propylamine	8.46	70	143718	27.59	ng	96
20) 3+4-Methylphenols	8.44	107	244043	33.78	ng	99
22) Acetophenone	8.48	105	273671	33.70	ng	# 98
24) Nitrobenzene	8.85	77	200713	31.05	ng	92
25) Isophorone	9.37	82	400307	29.82	ng	97
26) 2-Nitrophenol	9.56	139	118329	39.26	ng	95
27) 2,4-Dimethylphenol	9.63	122	209395	37.29	ng	97
28) bis(2-Chloroethoxy)methane	9.86	93	243286	31.75	ng	99
29) 2,4-Dichlorophenol	10.10	162	185125	41.67	ng	98
30) 1,2,4-Trichlorobenzene	10.30	180	169407	36.52	ng	98
31) Naphthalene	10.49	128	615226	33.72	ng	100
32) Benzoic acid	9.74	122	19989	13.20	ng	95
33) 4-Chloroaniline	10.60	127	86074	10.05	ng	96
34) Hexachlorobutadiene	10.77	225	73906	36.27	ng	100
35) Caprolactam	11.37	113	56231	20.10	ng	91
36) 4-Chloro-3-methylphenol	11.75	107	219240	37.36	ng	94
37) 2-Methylnaphthalene	12.10	142	458837	34.96	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.48	216	162244	34.67	ng	99
40) Hexachlorocyclopentadiene	12.45	237	114832	53.61	ng	99

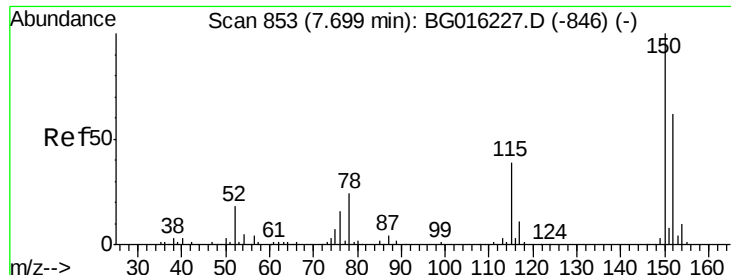
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042015\
 Data File : BG016554.D
 Acq On : 20 Apr 2015 16:57
 Operator : TP/IZ
 Sample : G1868-04MS
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Quant Time: Apr 21 01:51:19 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 01:34:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.73	196	131459	37.80	ng	97
43) 2,4,5-Trichlorophenol	12.81	196	145109	39.06	ng	94
45) 1,1'-Biphenyl	13.12	154	562835	34.52	ng	98
46) 2-Chloronaphthalene	13.17	162	422225	33.99	ng	99
47) 2-Nitroaniline	13.38	65	130103	32.50	ng	86
48) Acenaphthylene	14.02	152	728316	32.98	ng	99
49) Dimethylphthalate	13.76	163	580420	37.26	ng	100
50) 2,6-Dinitrotoluene	13.88	165	135187	35.88	ng	90
51) Acenaphthene	14.36	154	442991	33.57	ng	100
52) 3-Nitroaniline	14.21	138	80799	16.79	ng	88
53) 2,4-Dinitrophenol	14.42	184	89528	45.08	ng	# 91
54) Dibenzofuran	14.69	168	642715	35.09	ng	97
55) 4-Nitrophenol	14.55	139	266851	67.11	ng	94
56) 2,4-Dinitrotoluene	14.67	165	187867	36.61	ng	90
57) Fluorene	15.35	166	557693	34.52	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.93	232	108783	37.94	ng	94
59) Diethylphthalate	15.12	149	564372	34.04	ng	99
60) 4-Chlorophenyl-phenylether	15.34	204	232506	35.18	ng	95
61) 4-Nitroaniline	15.38	138	167486	30.67	ng	95
62) Azobenzene	15.63	77	551179	31.23	ng	97
64) 4,6-Dinitro-2-methylphenol	15.43	198	93397	31.61	ng	96
65) n-Nitrosodiphenylamine	15.56	169	504694	33.93	ng	99
66) 4-Bromophenyl-phenylether	16.23	248	123537	35.17	ng	94
67) Hexachlorobenzene	16.34	284	125857	34.47	ng	99
68) Atrazine	16.51	200	159085	38.38	ng	98
69) Pentachlorophenol	16.70	266	134016	60.12	ng	99
70) Phenanthrene	17.08	178	839037	33.91	ng	99
71) Anthracene	17.17	178	846493	34.52	ng	99
72) Carbazole	17.44	167	866890	35.22	ng	99
73) Di-n-butylphthalate	18.00	149	1035630	34.39	ng	99
74) Fluoranthene	19.09	202	866981	33.99	ng	96
76) Benzidine	19.29	184	264021	16.57	ng	98
77) Pyrene	19.46	202	899177	34.36	ng	100
79) Butylbenzylphthalate	20.36	149	465515	36.21	ng	95
80) Benzo(a)anthracene	21.20	228	764682	34.43	ng	100
81) 3,3'-Dichlorobenzidine	21.14	252	115308	15.79	ng	97
82) Chrysene	21.26	228	717215	33.45	ng	99
83) Bis(2-ethylhexyl)phthalate	21.13	149	650937	37.40	ng	98
84) Di-n-octyl phthalate	22.00	149	1095032	38.62	ng	97
85) Indeno(1,2,3-cd)pyrene	25.70	276	804006	36.09	ng	97
87) Benzo(b)fluoranthene	22.77	252	724945	34.94	ng	98
88) Benzo(k)fluoranthene	22.81	252	696219	34.29	ng	98
89) Benzo(a)pyrene	23.34	252	696741	35.83	ng	99
90) Dibenzo(a,h)anthracene	25.71	278	671323	35.48	ng	97
91) Benzo(g,h,i)perylene	26.40	276	678274	35.88	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.65 min Scan# 845

Delta R.T. 0.01 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

Instrument :

BNA_G

ClientSampleId :

P5-28(0-5)MS

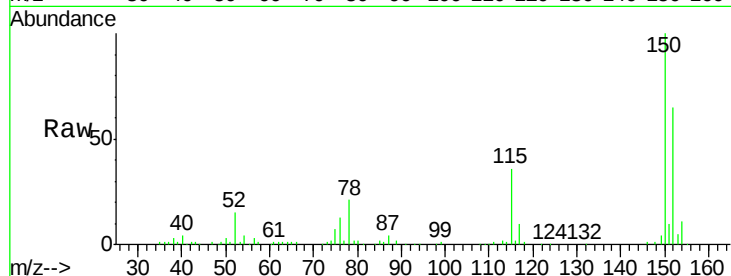
Tgt Ion:152 Resp: 76433

Ion Ratio Lower Upper

152 100

150 153.9 130.1 195.1

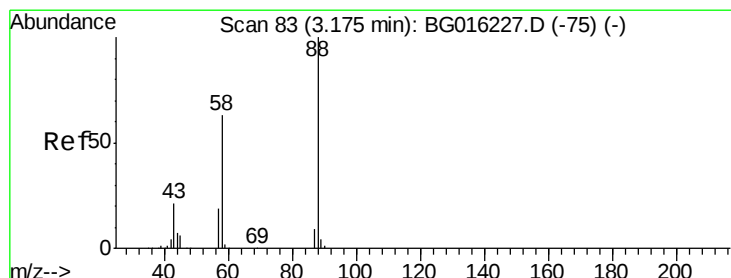
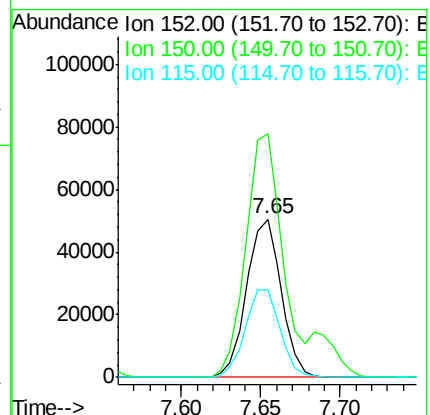
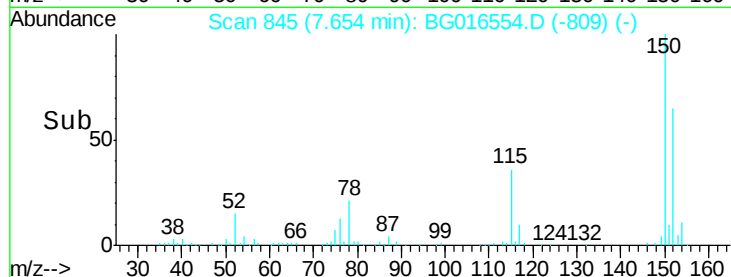
115 55.3 50.5 75.7



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: 26.08 ng

RT: 3.12 min Scan# 73

Delta R.T. -0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

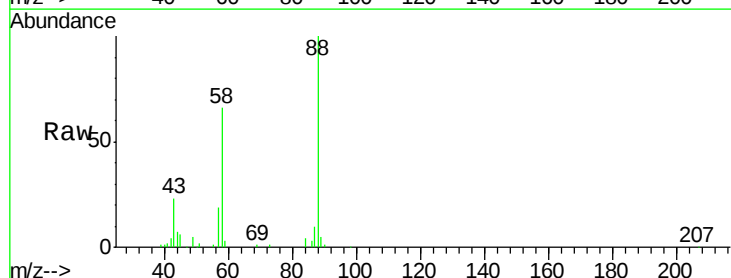
Tgt Ion: 88 Resp: 57426

Ion Ratio Lower Upper

88 100

58 61.1 50.6 76.0

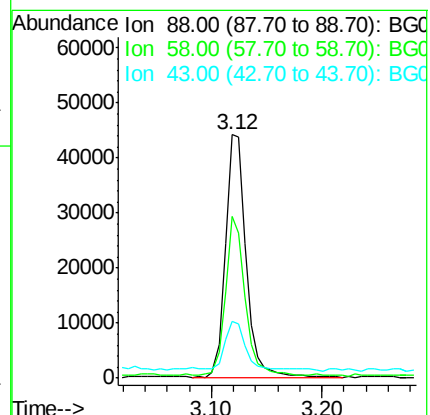
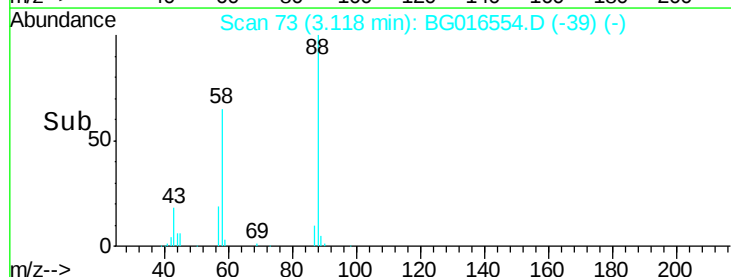
43 21.5 17.0 25.4

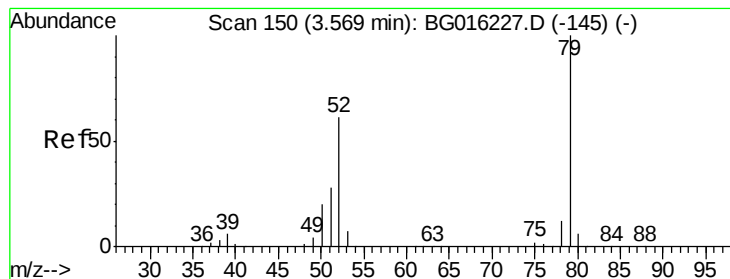


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 24.77 ng

RT: 3.52 min Scan# 141

Delta R.T. 0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

Instrument :

BNA_G

ClientSampleId :

P5-28(0-5)MS

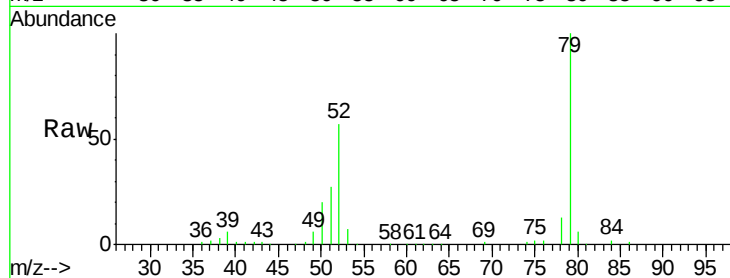
Tgt Ion: 79 Resp: 162998

Ion Ratio Lower Upper

79 100

52 56.5 49.0 73.4

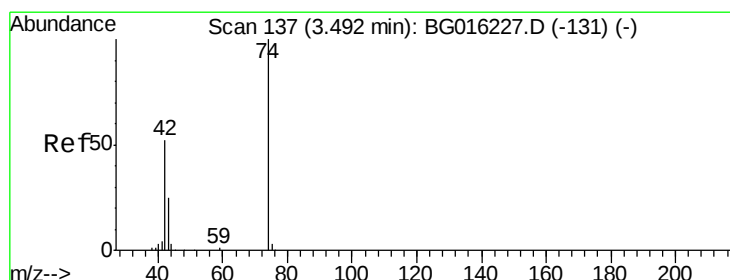
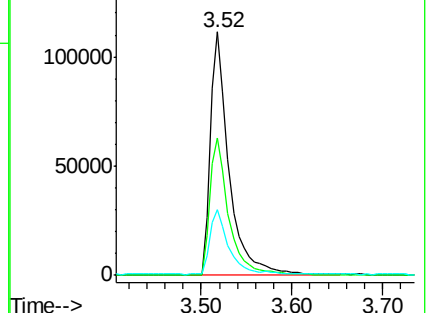
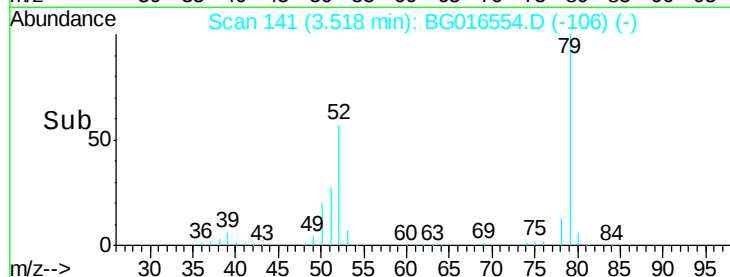
51 27.2 22.5 33.7



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: 28.96 ng

RT: 3.44 min Scan# 128

Delta R.T. 0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

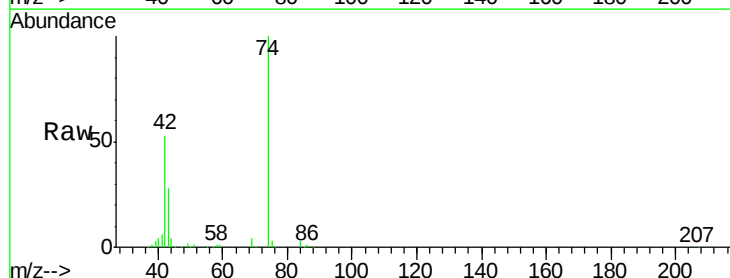
Tgt Ion: 42 Resp: 56654

Ion Ratio Lower Upper

42 100

74 187.4 153.7 230.5

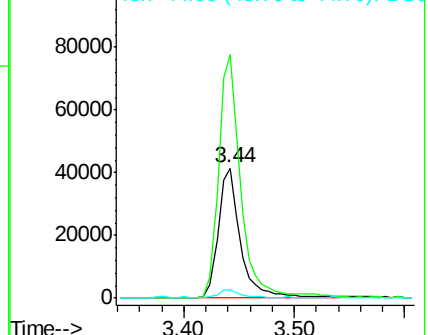
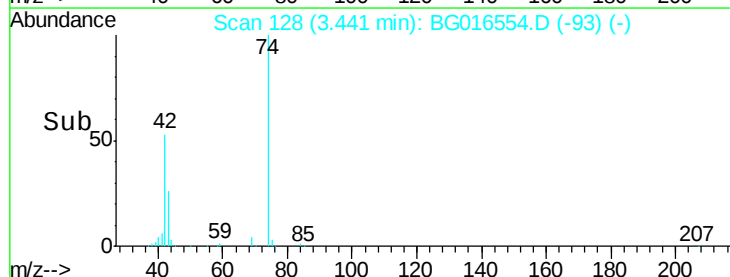
44 6.7 5.3 7.9



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: 112.94 ng

RT: 5.25 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

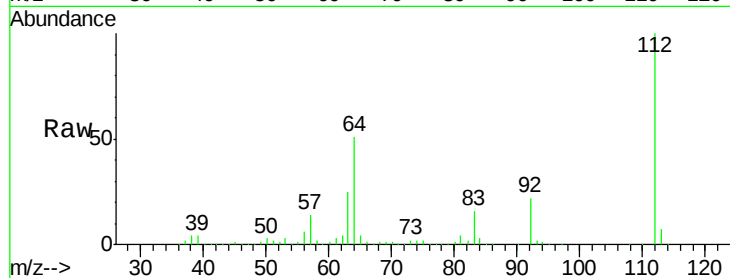
Instrument :

BNA_G

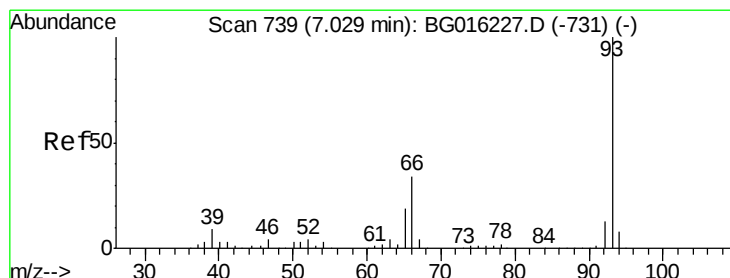
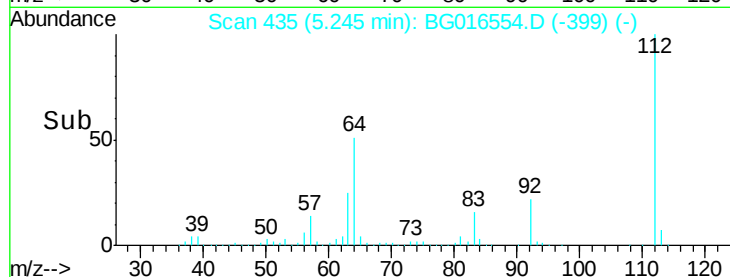
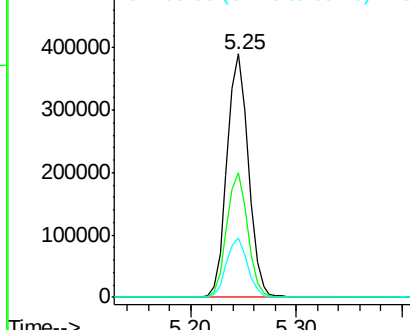
ClientSampleId :

P5-28(0-5)MS

Tgt Ion:	112	Resp:	546967
Ion	Ratio	Lower	Upper
112	100		
64	50.9	44.5	66.7
63	24.5	21.4	32.0



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: 13.55 ng

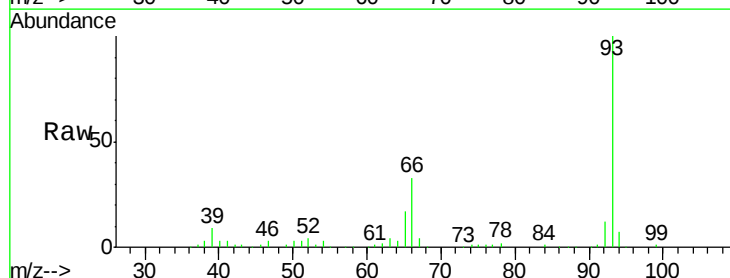
RT: 6.98 min Scan# 731

Delta R.T. 0.01 min

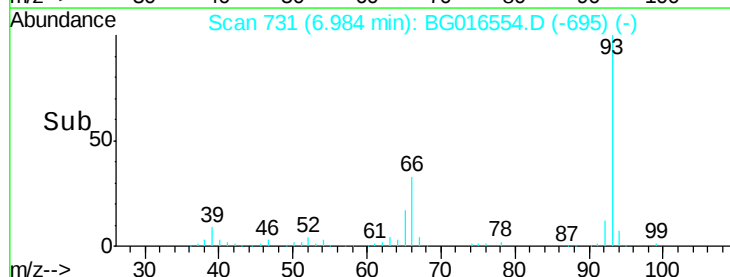
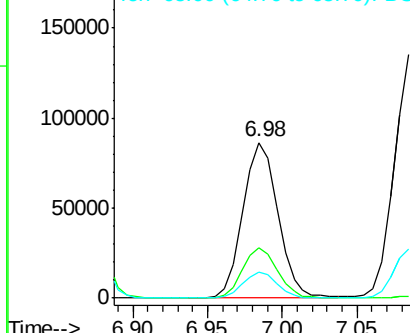
Lab File: BG016554.D

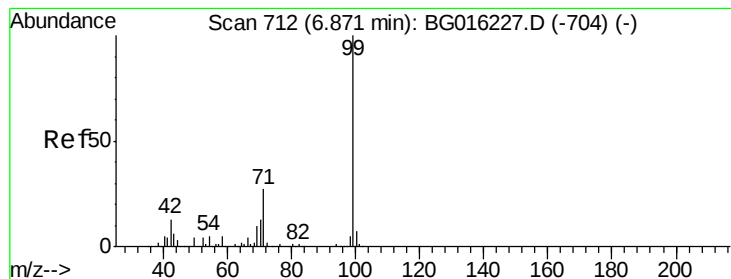
Acq: 20 Apr 2015 16:57

Tgt Ion:	93	Resp:	140676
Ion	Ratio	Lower	Upper
93	100		
66	32.7	27.5	41.3
65	16.7	15.1	22.7



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: 107.28 ng

RT: 6.84 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

Instrument :

BNA_G

ClientSampleId :

P5-28(0-5)MS

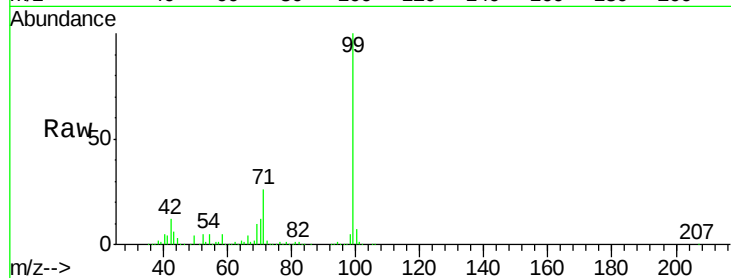
Tgt Ion: 99 Resp: 779952

Ion Ratio Lower Upper

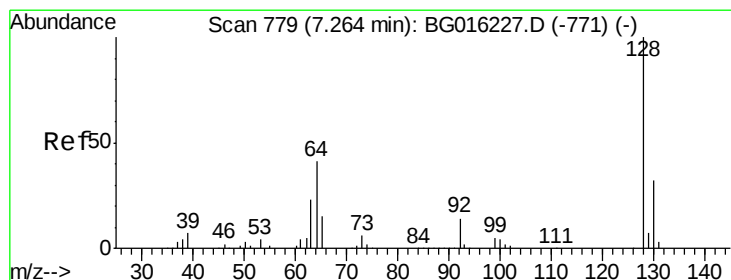
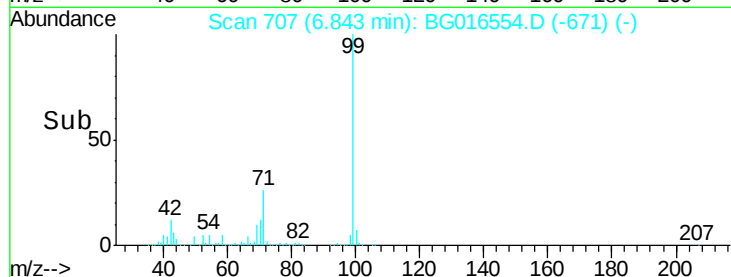
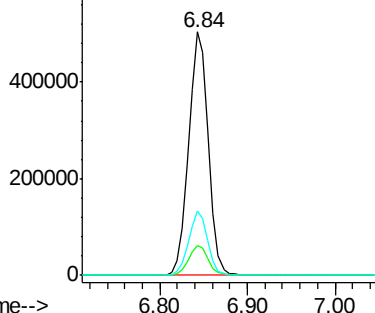
99 100

42 12.5 10.0 15.0

71 26.3 21.5 32.3



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: 36.50 ng

RT: 7.23 min Scan# 772

Delta R.T. 0.01 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

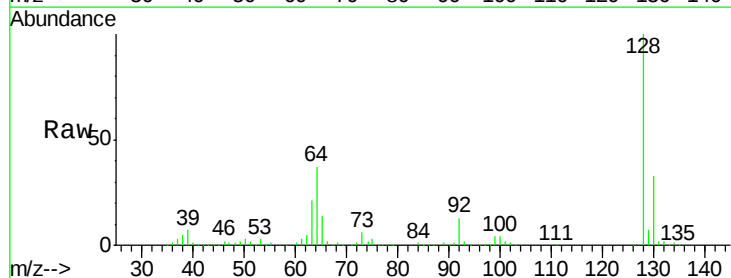
Tgt Ion: 128 Resp: 212280

Ion Ratio Lower Upper

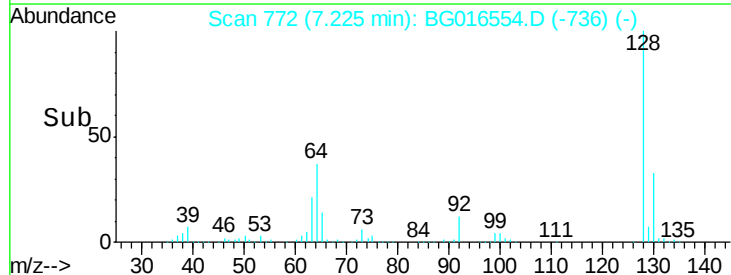
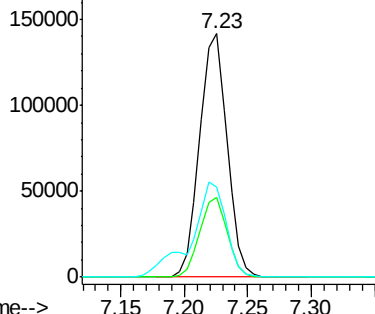
128 100

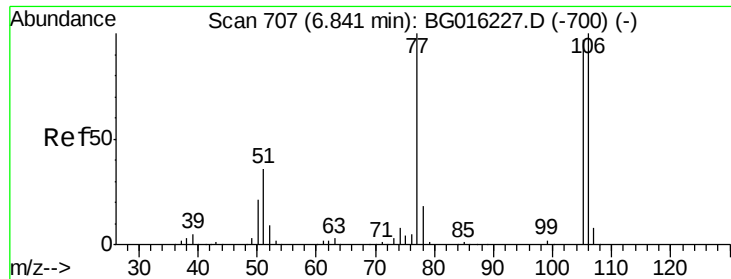
130 33.0 11.6 51.6

64 37.1 24.2 64.2



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: 8.15 ng

RT: 6.80 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

Instrument :

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ClientSampleId :

P5-28(0-5)MS

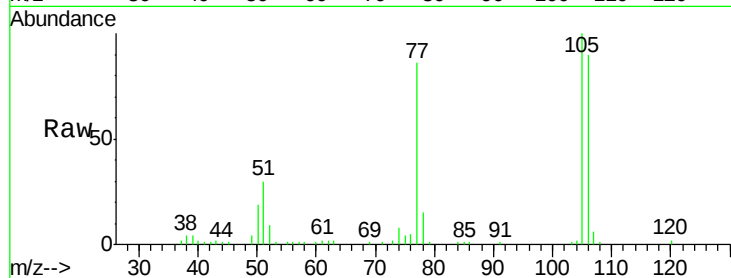
Tgt Ion: 77 Resp: 34719

Ion Ratio Lower Upper

77 100

105 116.1 76.8 116.8

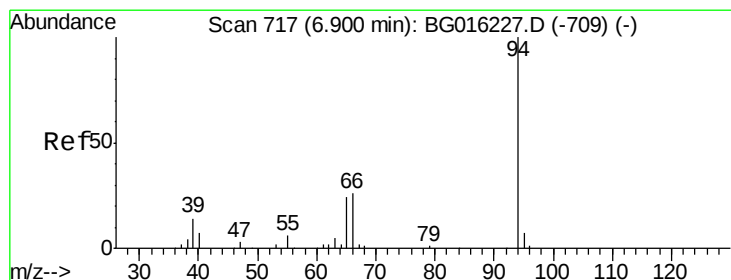
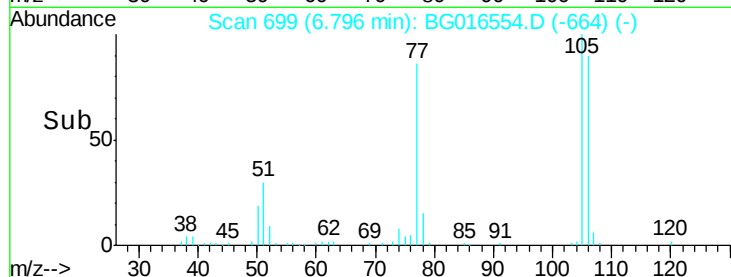
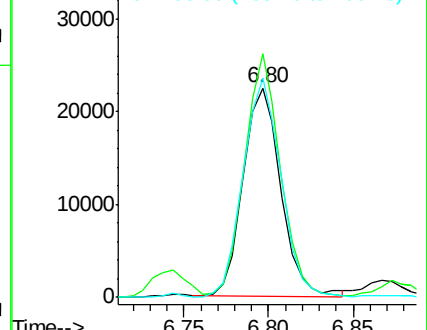
106 104.8 80.1 120.1



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: 34.65 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.01 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

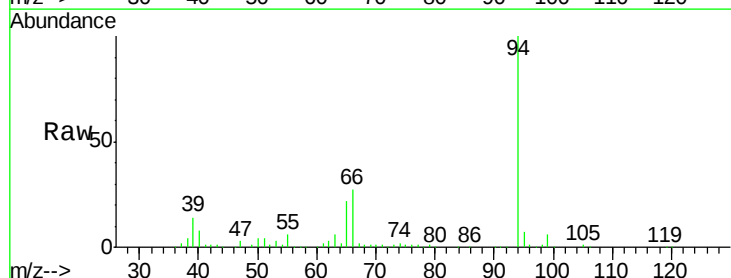
Tgt Ion: 94 Resp: 269503

Ion Ratio Lower Upper

94 100

65 22.3 3.8 43.8

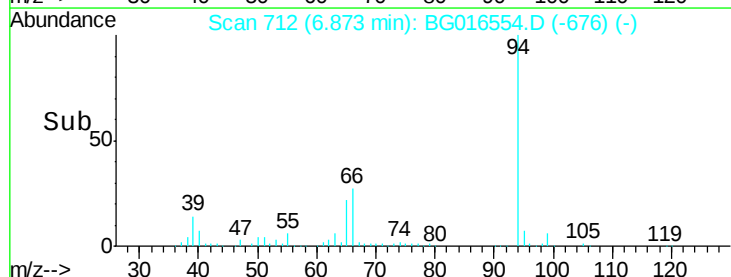
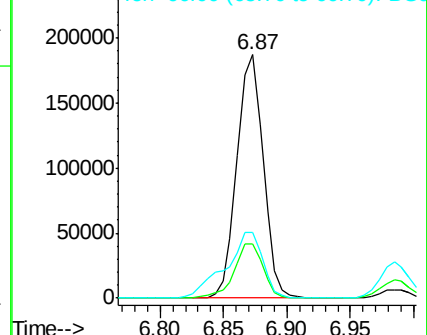
66 26.8 7.4 47.4

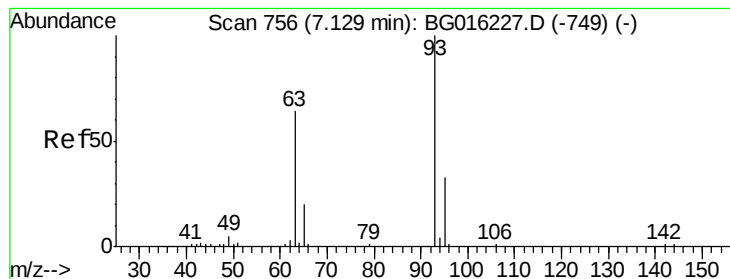


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 30.17 ng

RT: 7.08 min Scan# 748

Delta R.T. 0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

Instrument :

BNA_G

ClientSampleId :

P5-28(0-5)MS

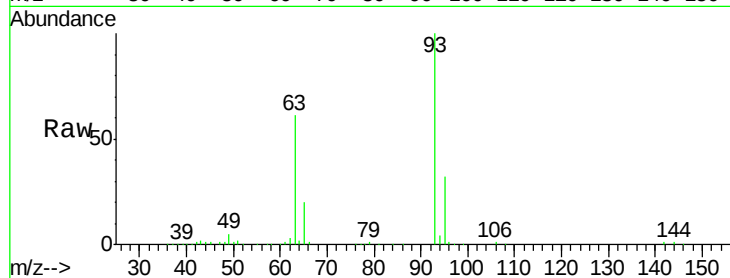
Tgt Ion: 93 Resp: 187127

Ion Ratio Lower Upper

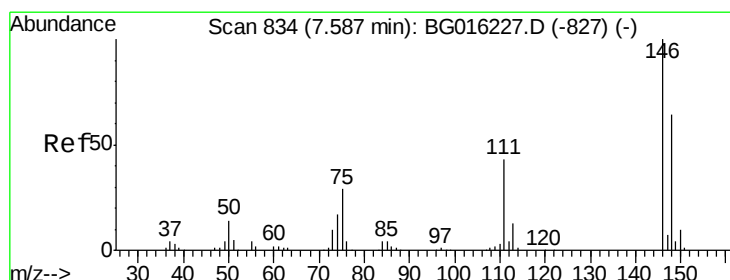
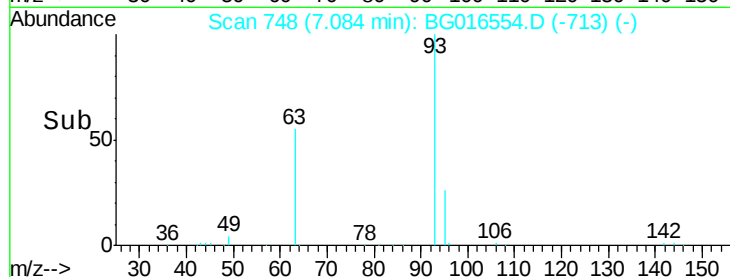
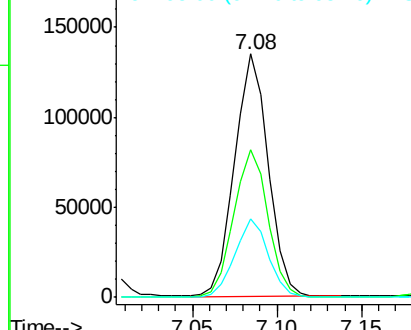
93 100

63 60.5 44.1 84.1

95 32.2 12.5 52.5



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



#12

1,3-Dichlorobenzene

Concen: 32.99 ng

RT: 7.54 min Scan# 826

Delta R.T. 0.01 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

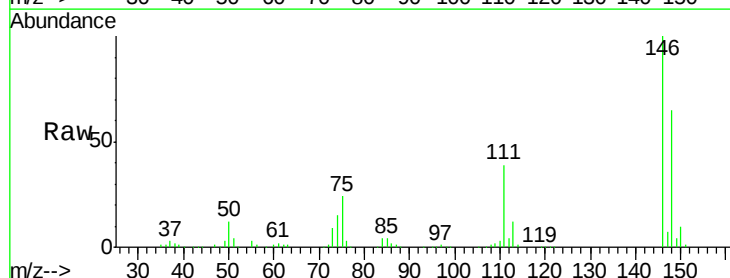
Tgt Ion: 146 Resp: 193760

Ion Ratio Lower Upper

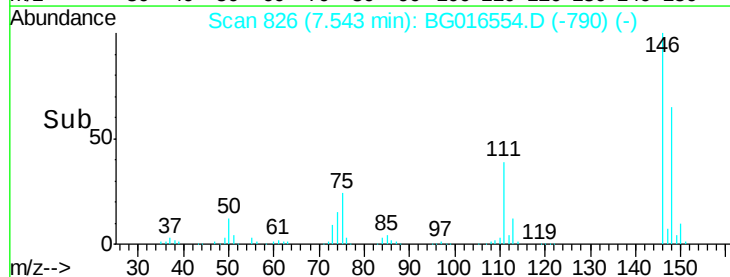
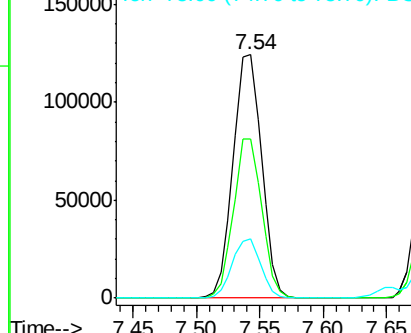
146 100

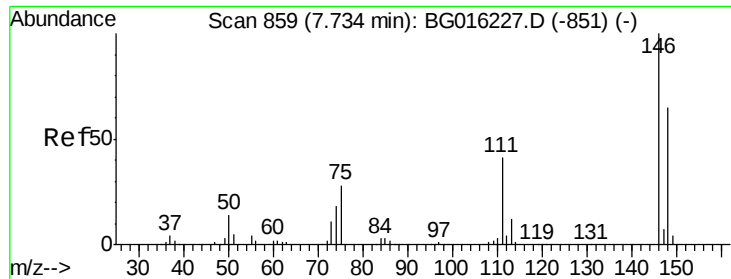
148 65.4 50.9 76.3

75 24.2 23.3 34.9



Abundance Ion 146.00 (145.70 to 146.70): BGC
Ion 148.00 (147.70 to 148.70): BGC
Ion 75.00 (74.70 to 75.70): BGC

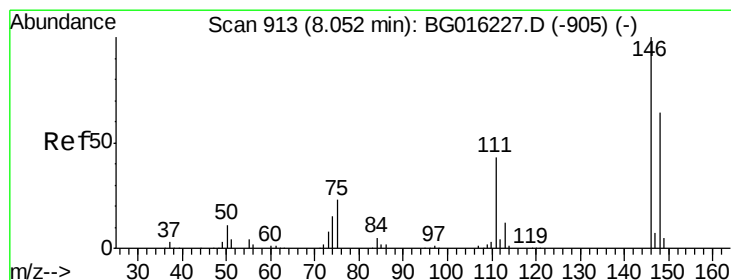
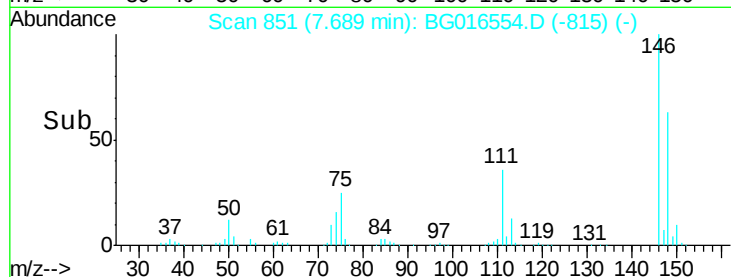
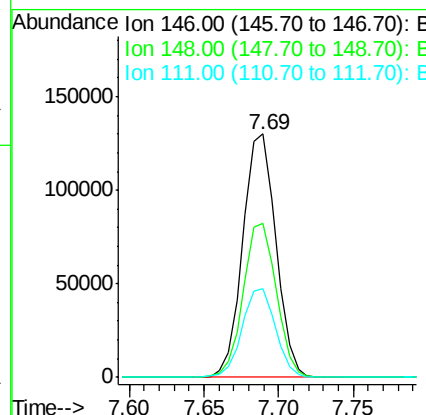
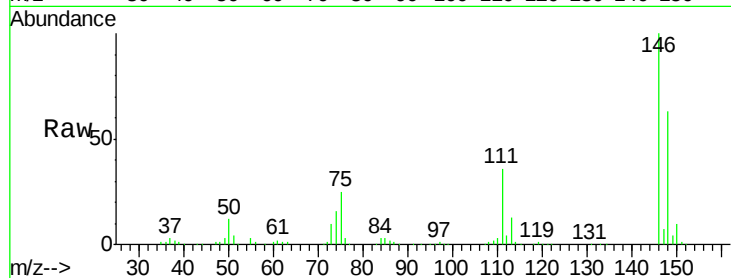




#13
 1,4-Dichlorobenzene
 Concen: 32.83 ng
 RT: 7.69 min Scan# 851
 Delta R.T. 0.01 min
 Lab File: BG016554.D
 Acq: 20 Apr 2015 16:57

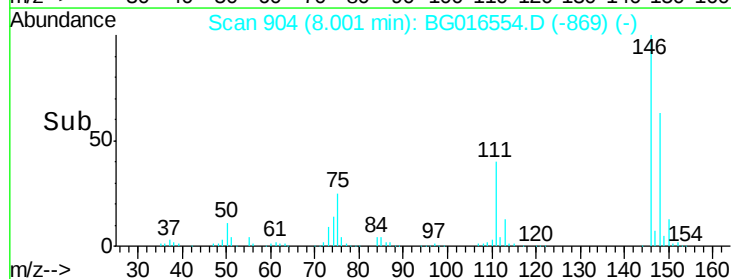
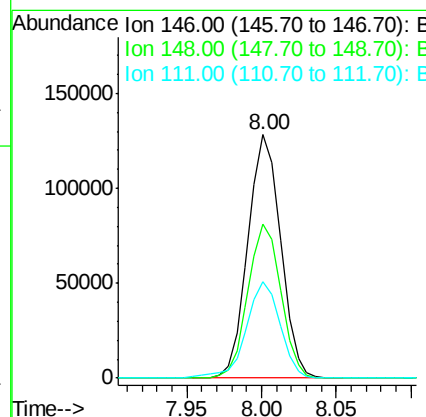
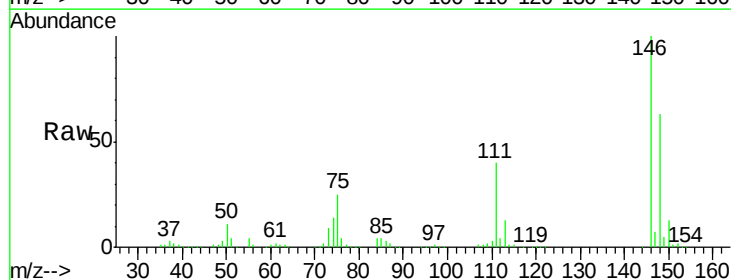
Instrument :
 BNA_G
 ClientSampleId :
 P5-28(0-5)MS

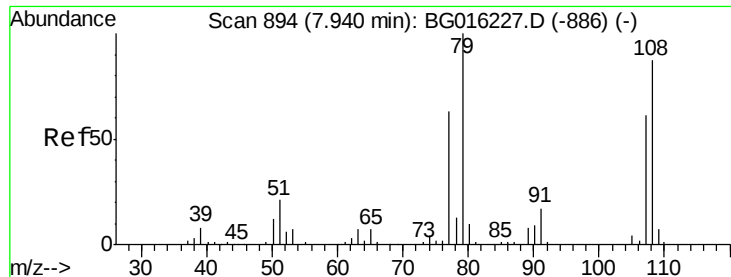
Tgt Ion:146 Resp: 200004
 Ion Ratio Lower Upper
 146 100
 148 63.2 52.0 78.0
 111 36.3 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 33.32 ng
 RT: 8.00 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BG016554.D
 Acq: 20 Apr 2015 16:57

Tgt Ion:146 Resp: 194168
 Ion Ratio Lower Upper
 146 100
 148 63.2 50.9 76.3
 111 39.8 34.7 52.1





#15

Benzyl Alcohol

Concen: 30.73 ng

RT: 7.90 min Scan# 886

Delta R.T. 0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

Instrument :

BNA_G

ClientSampleId :

P5-28(0-5)MS

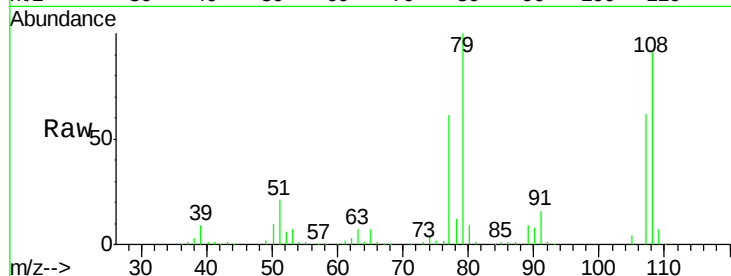
Tgt Ion: 79 Resp: 155731

Ion Ratio Lower Upper

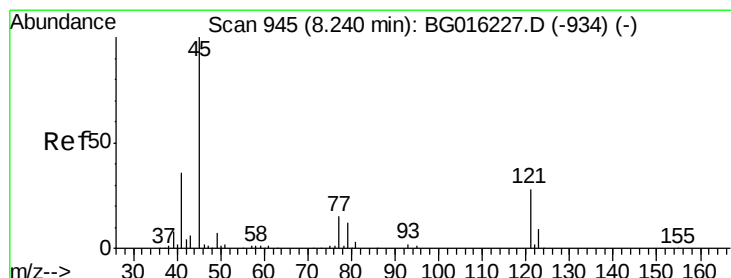
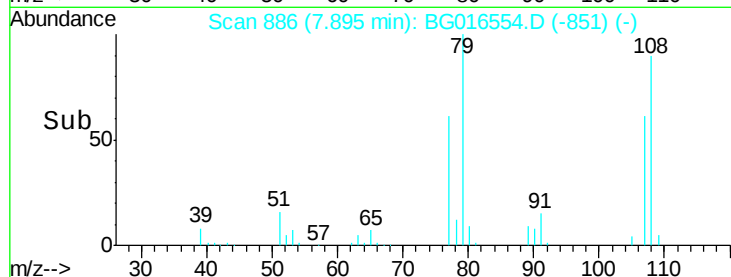
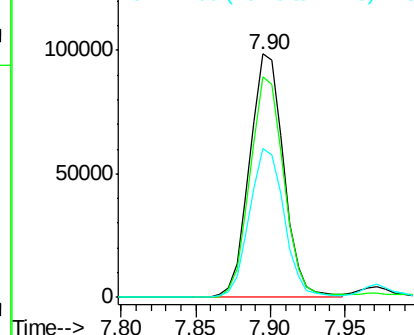
79 100

108 90.7 69.3 103.9

77 61.1 50.3 75.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 27.83 ng

RT: 8.19 min Scan# 936

Delta R.T. 0.00 min

Lab File: BG016554.D

Acq: 20 Apr 2015 16:57

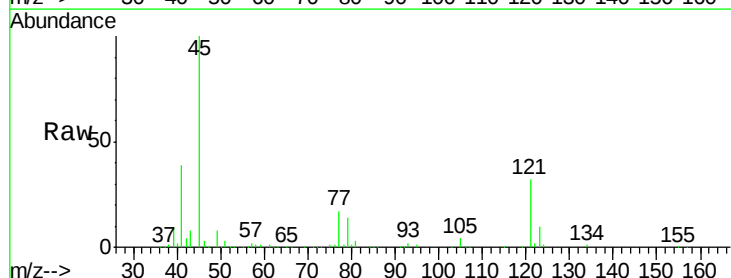
Tgt Ion: 45 Resp: 194415

Ion Ratio Lower Upper

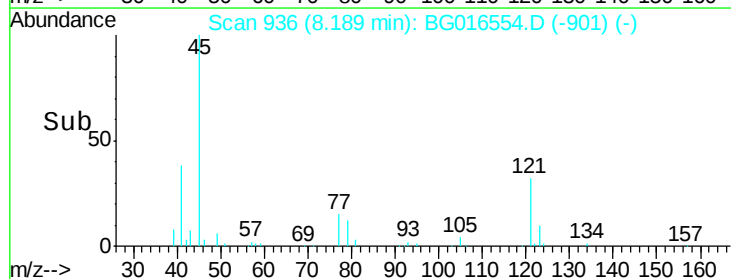
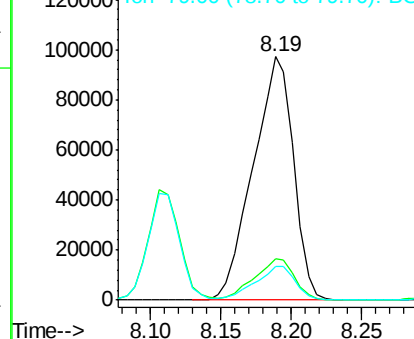
45 100

77 17.0 0.0 35.3

79 13.7 0.0 32.3



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

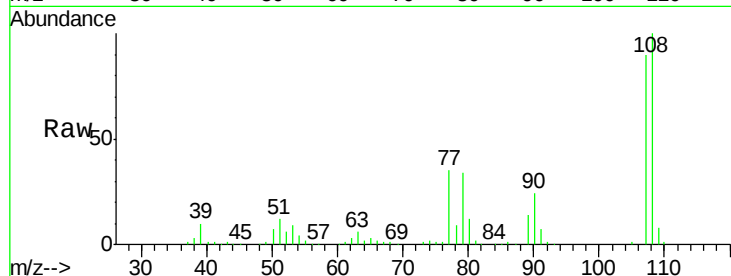




#17
2-Methylphenol
Concen: 34.42 ng
RT: 8.11 min Scan# 922
Delta R.T. 0.00 min
Lab File: BG016554.D
Acq: 20 Apr 2015 16:57

Instrument :
BNA_G
ClientSampleId :
P5-28(0-5)MS

Tgt Ion:	107	Resp:	179526
Ion	Ratio	Lower	Upper
107	100		
108	111.2	87.2	130.8
77	39.2	31.1	46.7
79	38.1	29.7	44.5



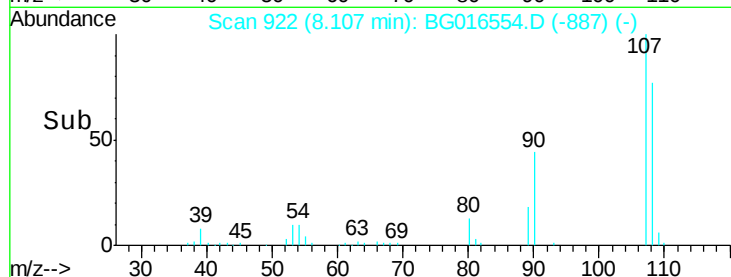
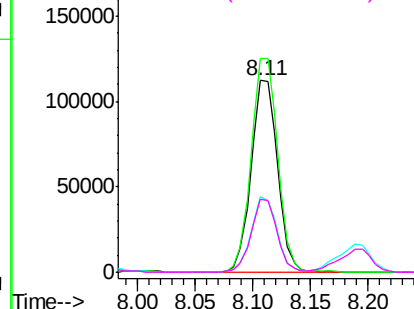
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

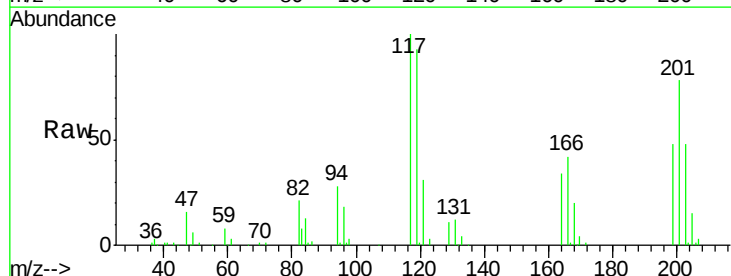
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 30.96 ng
RT: 8.72 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BG016554.D
Acq: 20 Apr 2015 16:57

Tgt Ion:	117	Resp:	72152
Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.8	118.2
201	77.7	59.0	88.4

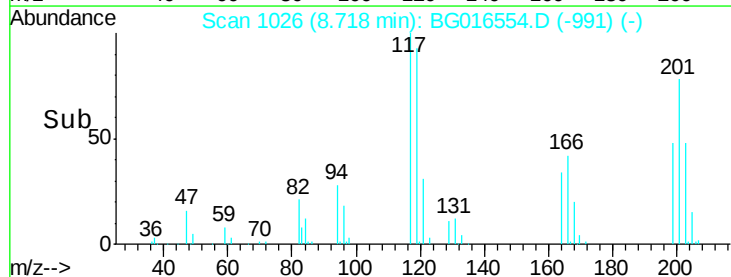
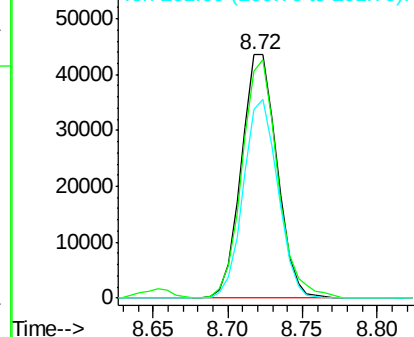


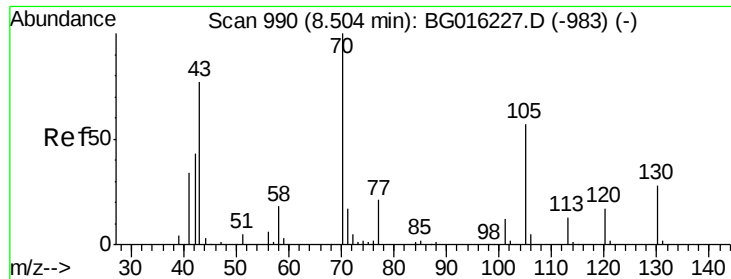
Abundance

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

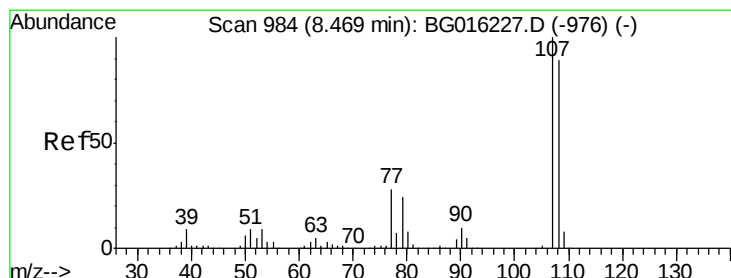
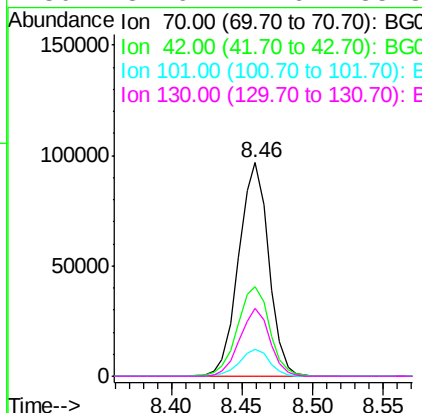
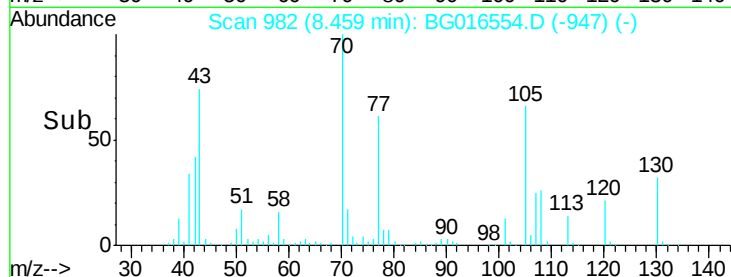
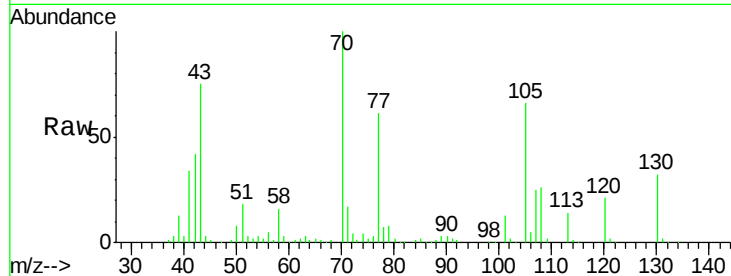




#19
n-Nitroso-di-n-propylamine
Concen: 27.59 ng
RT: 8.46 min Scan# 982
Delta R.T. 0.00 min
Lab File: BG016554.D
Acq: 20 Apr 2015 16:57

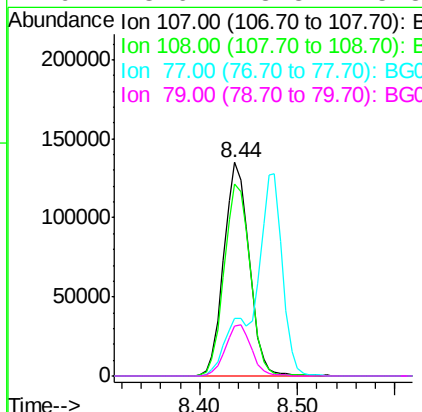
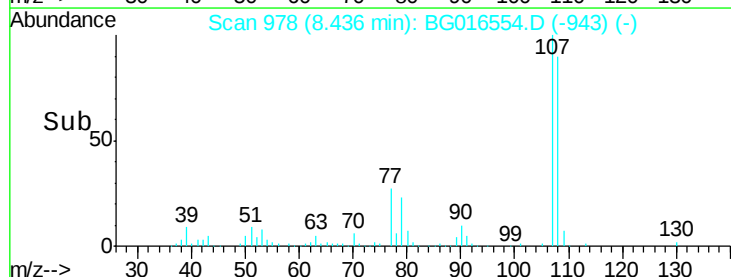
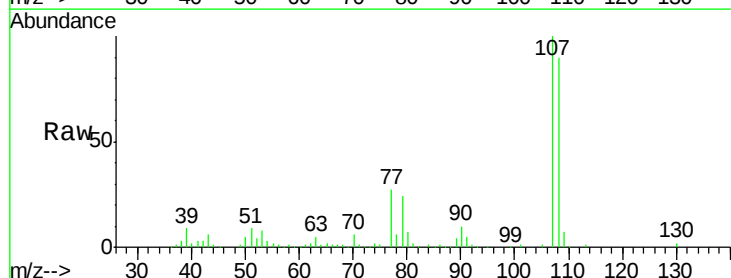
Instrument :
BNA_G
ClientSampleId :
P5-28(0-5)MS

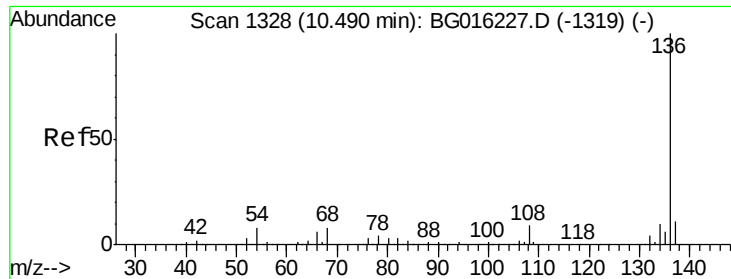
Tgt Ion: 70 Resp: 143718
Ion Ratio Lower Upper
70 100
42 41.9 34.7 52.1
101 12.7 9.2 13.8
130 31.6 22.6 33.8



#20
3+4-Methylphenols
Concen: 33.78 ng
RT: 8.44 min Scan# 978
Delta R.T. 0.00 min
Lab File: BG016554.D
Acq: 20 Apr 2015 16:57

Tgt Ion: 107 Resp: 244043
Ion Ratio Lower Upper
107 100
108 89.7 69.5 109.5
77 26.8 8.2 48.2
79 23.6 3.8 43.8

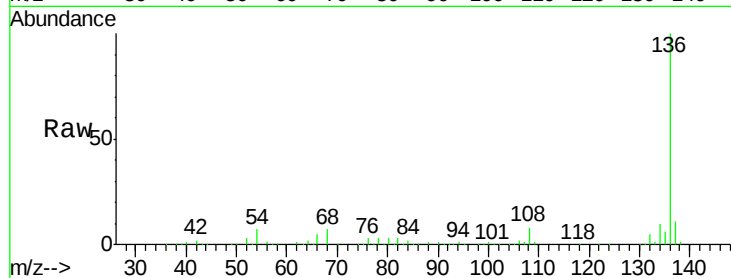




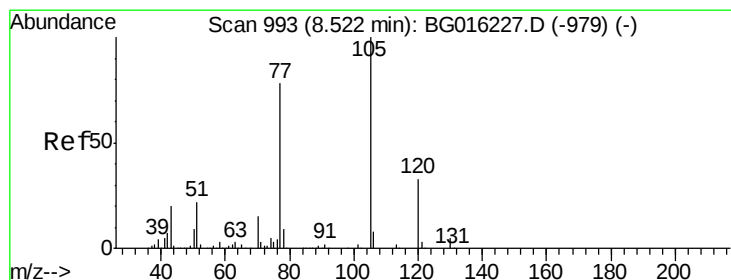
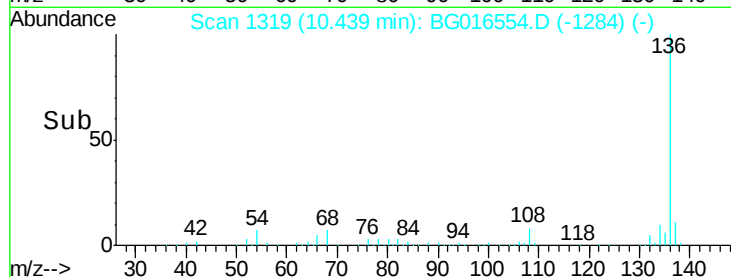
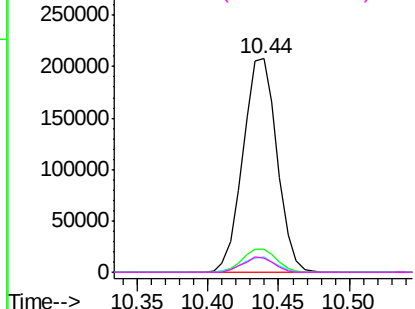
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.44 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BG016554.D
Acq: 20 Apr 2015 16:57

Instrument :
BNA_G
ClientSampleId :
P5-28(0-5)MS

Tgt Ion:	136	Resp:	350176
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.3	6.3	9.5
68	6.8	6.5	9.7

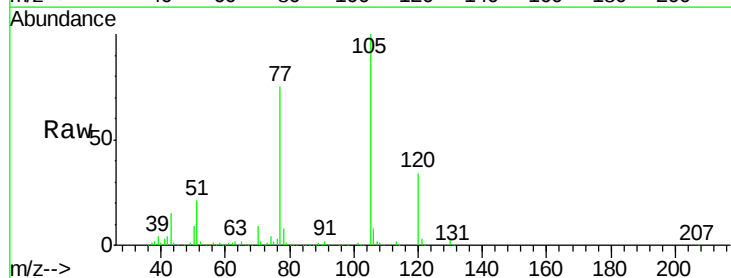


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 33.70 ng
RT: 8.48 min Scan# 985
Delta R.T. 0.01 min
Lab File: BG016554.D
Acq: 20 Apr 2015 16:57

Tgt Ion:	105	Resp:	273671
Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.0	3.0#
51	21.2	17.9	26.9
120	33.6	26.3	39.5



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

