

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
 Data File : BG016430.D
 Acq On : 15 Apr 2015 19:19
 Operator : TP/IZ
 Sample : PB82798BS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB82798BS

Quant Time: Apr 16 03:22:55 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 14:00:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	85754	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	403536	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	251922	20.00	ng	0.00
63) Phenanthrene-d10	17.05	188	499732	20.00	ng	0.00
75) Chrysene-d12	21.24	240	404033	20.00	ng	0.00
86) Perylene-d12	23.47	264	384995	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	408481	75.18	ng	0.00
7) Phenol-d6	6.87	99	582066	71.36	ng	0.00
23) Nitrobenzene-d5	8.83	82	384004	55.13	ng	0.00
41) 2,4,6-Tribromophenol	15.81	330	135519	79.54	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	912567	61.68	ng	0.00
78) Terphenyl-d14	19.69	244	1003738	58.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.14	88	61214	24.78	ng	97
3) Pyridine	3.53	79	174292	23.61	ng	99
4) n-Nitrosodimethylamine	3.45	42	57901	26.38	ng	99
6) Aniline	7.00	93	106860	9.17	ng	96
8) 2-Chlorophenol	7.24	128	245898	37.68	ng	95
9) Benzaldehyde	6.81	77	42849	8.97	ng	98
10) Phenol	6.90	94	309724	35.49	ng	99
11) bis(2-Chloroethyl)ether	7.10	93	206039	29.61	ng	98
12) 1,3-Dichlorobenzene	7.55	146	222416	33.75	ng	97
13) 1,4-Dichlorobenzene	7.71	146	229760	33.61	ng	97
14) 1,2-Dichlorobenzene	8.02	146	220454	33.72	ng	98
15) Benzyl Alcohol	7.92	79	183552	32.28	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.21	45	227277	29.00	ng	99
17) 2-Methylphenol	8.14	107	208931	35.70	ng	99
18) Hexachloroethane	8.74	117	83097	31.78	ng	96
19) n-Nitroso-di-n-propylamine	8.48	70	156351	26.75	ng	97
20) 3+4-Methylphenols	8.46	107	285448	35.21	ng	96
22) Acetophenone	8.49	105	300339	32.10	ng	98
24) Nitrobenzene	8.87	77	225050	30.21	ng	89
25) Isophorone	9.39	82	427220	27.62	ng	96
26) 2-Nitrophenol	9.57	139	136742	39.37	ng	98
27) 2,4-Dimethylphenol	9.66	122	250205	38.67	ng	99
28) bis(2-Chloroethoxy)methane	9.87	93	270789	30.67	ng	99
29) 2,4-Dichlorophenol	10.12	162	222561	43.47	ng	97
30) 1,2,4-Trichlorobenzene	10.32	180	197380	36.93	ng	98
31) Naphthalene	10.51	128	712171	33.87	ng	99
32) Benzoic acid	9.82	122	186772	44.93	ng	96
33) 4-Chloroaniline	10.63	127	61054	6.19	ng	96
34) Hexachlorobutadiene	10.79	225	85783	36.53	ng	99
35) Caprolactam	11.41	113	96251	29.86	ng	93
36) 4-Chloro-3-methylphenol	11.78	107	265726	39.29	ng	93
37) 2-Methylnaphthalene	12.12	142	540840	35.76	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	196142	35.36	ng	99
40) Hexachlorocyclopentadiene	12.48	237	174340	68.67	ng	99

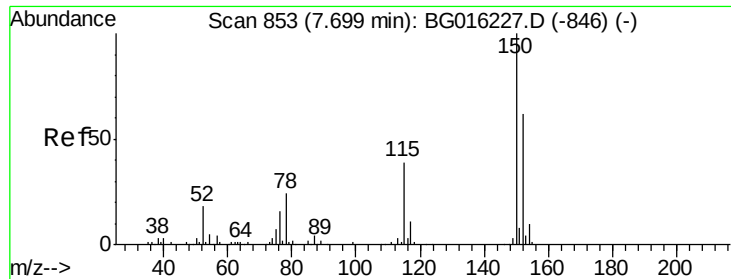
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
 Data File : BG016430.D
 Acq On : 15 Apr 2015 19:19
 Operator : TP/IZ
 Sample : PB82798BS
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Instrument :
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Quant Time: Apr 16 03:22:55 2015
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 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	12.75	196	169253	41.07	ng	98
43) 2,4,5-Trichlorophenol	12.84	196	187433	42.56	ng	93
45) 1,1'-Biphenyl	13.15	154	668307	34.58	ng	98
46) 2-Chloronaphthalene	13.19	162	512830	34.84	ng	99
47) 2-Nitroaniline	13.40	65	155938	32.86	ng	91
48) Acenaphthylene	14.03	152	889512	33.98	ng	98
49) Dimethylphthalate	13.78	163	599720	32.48	ng	100
50) 2,6-Dinitrotoluene	13.90	165	158876	35.58	ng	92
51) Acenaphthene	14.38	154	542034	34.65	ng	99
52) 3-Nitroaniline	14.23	138	97753	17.14	ng	88
53) 2,4-Dinitrophenol	14.44	184	177634	69.90	ng	94
54) Dibenzofuran	14.72	168	778841	35.88	ng	98
55) 4-Nitrophenol	14.57	139	325166	69.00	ng	95
56) 2,4-Dinitrotoluene	14.69	165	223811	36.80	ng	89
57) Fluorene	15.36	166	684058	35.72	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.95	232	142812	42.02	ng	90
59) Diethylphthalate	15.14	149	651388	33.14	ng	98
60) 4-Chlorophenyl-phenylether	15.36	204	287026	36.64	ng	96
61) 4-Nitroaniline	15.40	138	194678	30.08	ng	96
62) Azobenzene	15.65	77	659657	31.54	ng	97
64) 4,6-Dinitro-2-methylphenol	15.45	198	119119	35.01	ng	92
65) n-Nitrosodiphenylamine	15.58	169	614894	36.40	ng	99
66) 4-Bromophenyl-phenylether	16.25	248	152310	38.17	ng	97
67) Hexachlorobenzene	16.37	284	155492	37.50	ng	95
68) Atrazine	16.53	200	185160	39.33	ng	97
69) Pentachlorophenol	16.72	266	199692	78.86	ng	98
70) Phenanthrene	17.10	178	964469	34.31	ng	99
71) Anthracene	17.19	178	990567	35.56	ng	99
72) Carbazole	17.47	167	956145	34.20	ng	99
73) Di-n-butylphthalate	18.02	149	1149762	33.61	ng	100
74) Fluoranthene	19.12	202	959316	33.11	ng	96
76) Benzidine	19.30	184	431928	25.21	ng	98
77) Pyrene	19.48	202	984732	35.00	ng	100
79) Butylbenzylphthalate	20.38	149	520661	37.67	ng	93
80) Benzo(a)anthracene	21.22	228	852107	35.68	ng	99
81) 3,3'-Dichlorobenzidine	21.16	252	153680	19.57	ng	96
82) Chrysene	21.27	228	808461	35.07	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	725849	38.79	ng	97
84) Di-n-octyl phthalate	22.02	149	1226021	40.21	ng	98
85) Indeno(1,2,3-cd)pyrene	25.75	276	900876	37.62	ng	97
87) Benzo(b)fluoranthene	22.80	252	802419	35.59	ng	99
88) Benzo(k)fluoranthene	22.84	252	785703	35.61	ng	99
89) Benzo(a)pyrene	23.37	252	795904	37.66	ng	98
90) Dibenzo(a,h)anthracene	25.76	278	754617	36.70	ng	99
91) Benzo(g,h,i)perylene	26.45	276	768450	37.41	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.67 min Scan# 847

Delta R.T. -0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

Instrument :

BNA_G

ClientSampleId :

PB82798BS

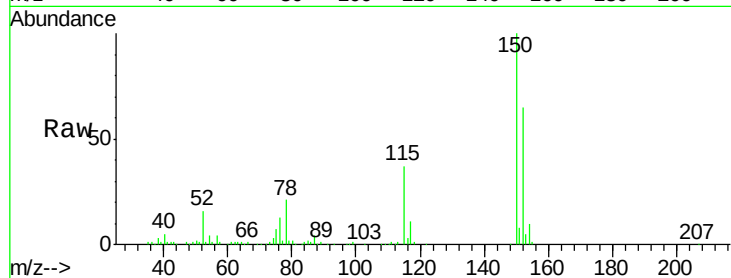
Tgt Ion:152 Resp: 85754

Ion Ratio Lower Upper

152 100

150 153.3 130.1 195.1

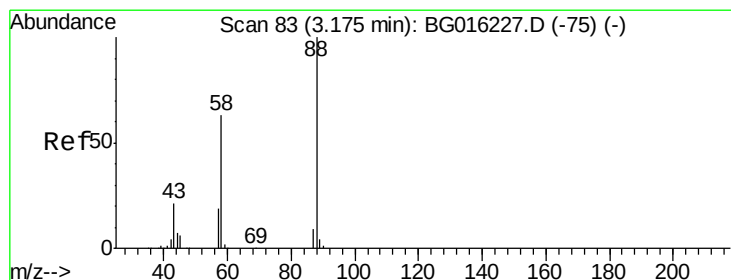
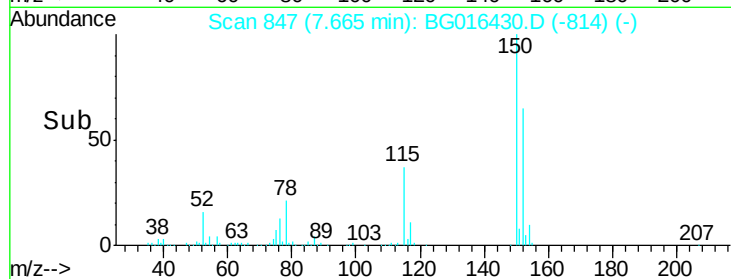
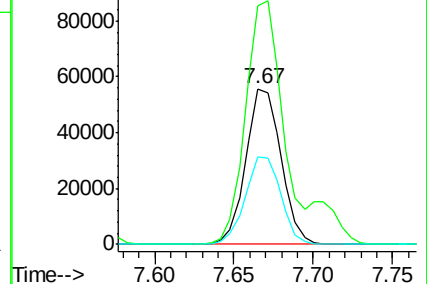
115 56.5 50.5 75.7



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: 24.78 ng

RT: 3.14 min Scan# 76

Delta R.T. -0.02 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

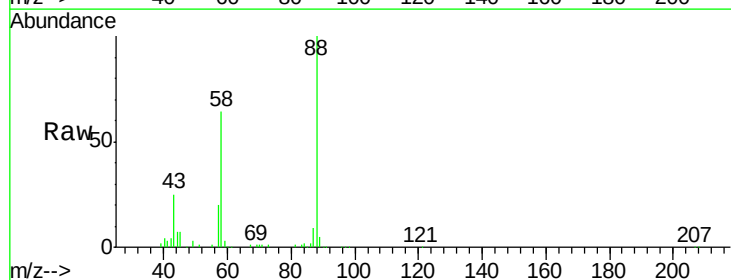
Tgt Ion: 88 Resp: 61214

Ion Ratio Lower Upper

88 100

58 61.0 50.6 76.0

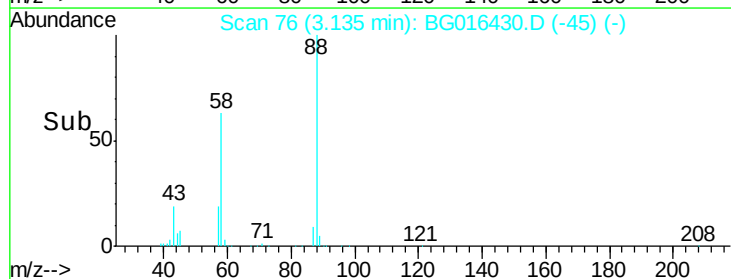
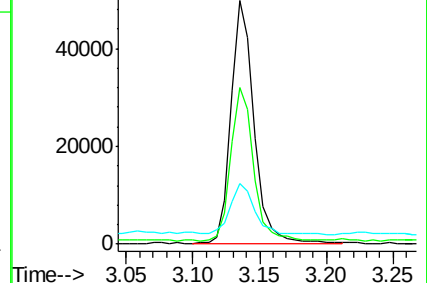
43 22.3 17.0 25.4

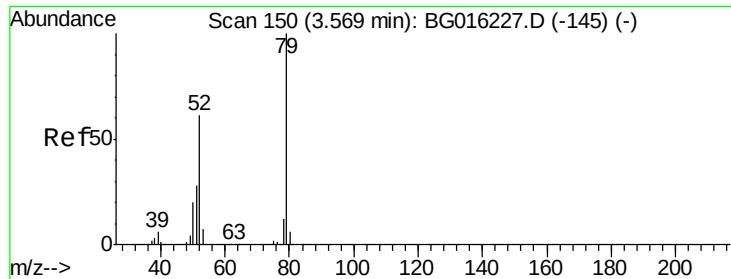


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 23.61 ng

RT: 3.53 min Scan# 144

Delta R.T. -0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

Instrument :

BNA_G

ClientSampleId :

PB82798BS

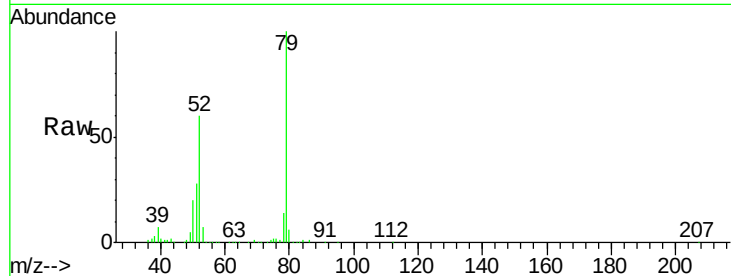
Tgt Ion: 79 Resp: 174292

Ion Ratio Lower Upper

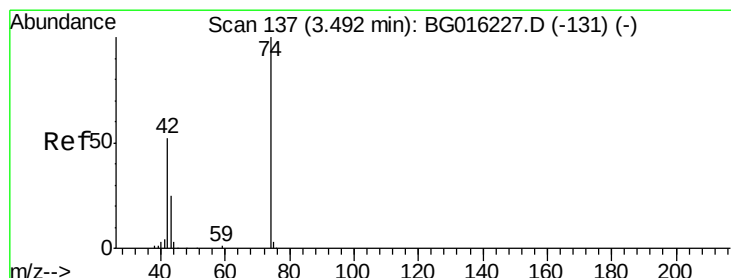
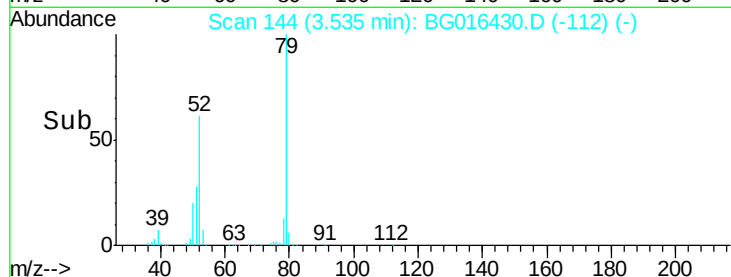
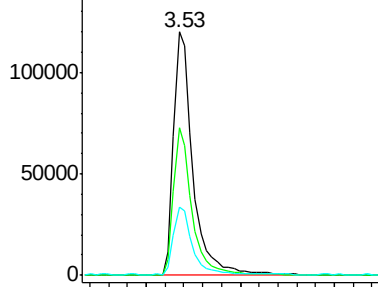
79 100

52 60.5 49.0 73.4

51 28.0 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: 26.38 ng

RT: 3.45 min Scan# 130

Delta R.T. -0.02 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

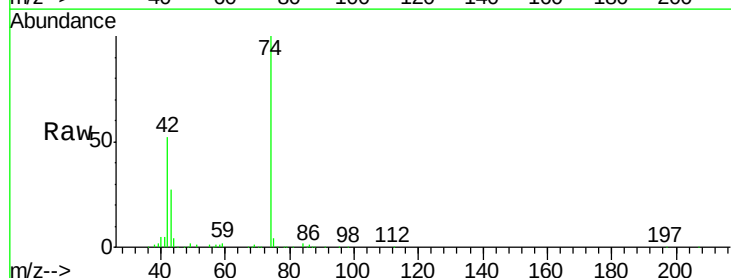
Tgt Ion: 42 Resp: 57901

Ion Ratio Lower Upper

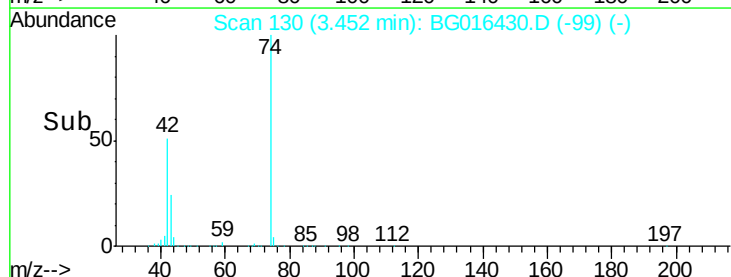
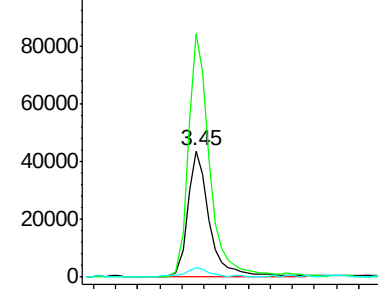
42 100

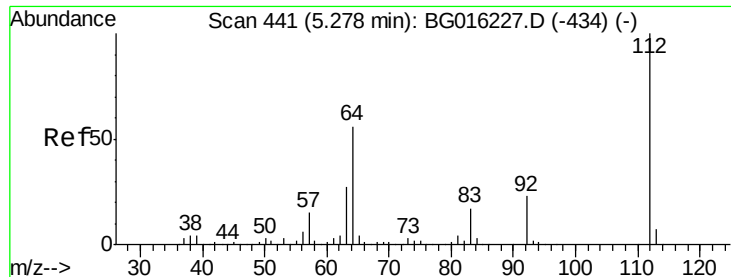
74 193.3 153.7 230.5

44 7.9 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: 75.18 ng

RT: 5.27 min Scan# 439

Delta R.T. 0.00 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

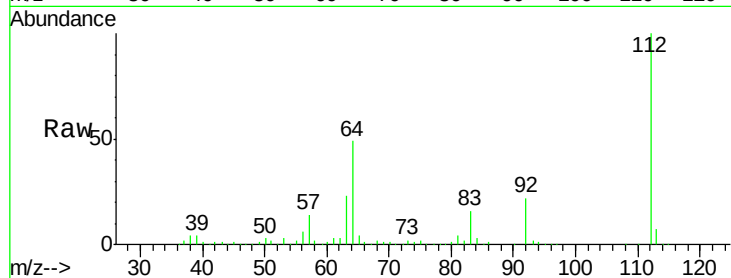
Instrument :

BNA_G

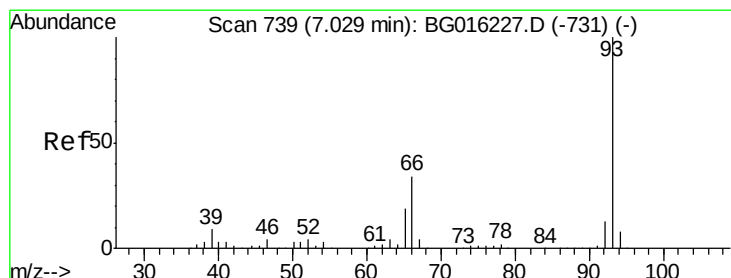
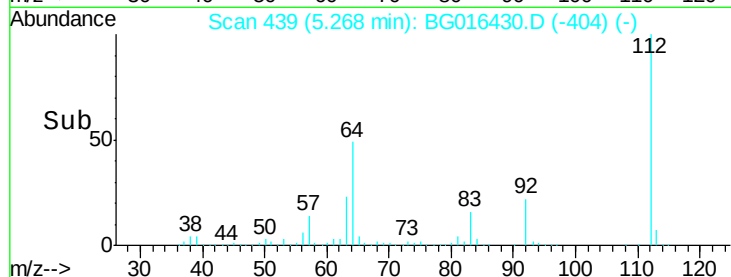
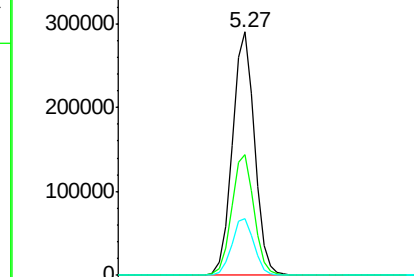
ClientSampleId :

PB82798BS

Tgt Ion:	112	Resp:	408481
Ion	Ratio	Lower	Upper
112	100		
64	49.4	44.5	66.7
63	23.3	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: 9.17 ng

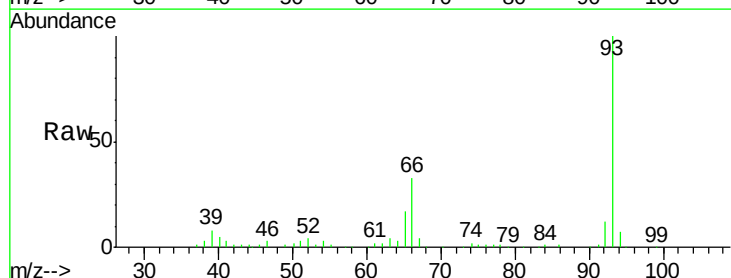
RT: 7.00 min Scan# 734

Delta R.T. -0.01 min

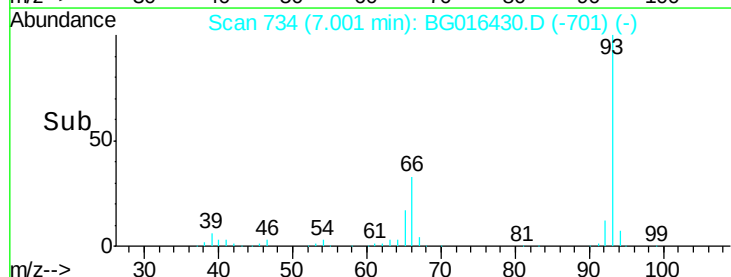
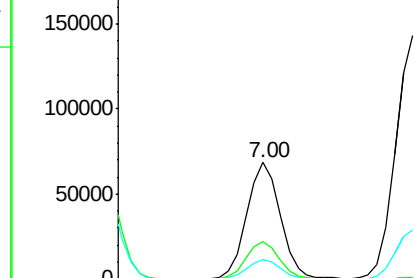
Lab File: BG016430.D

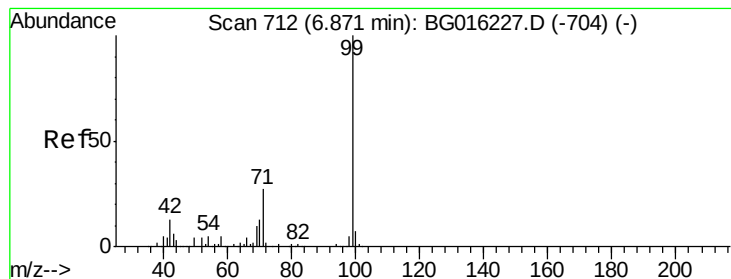
Acq: 15 Apr 2015 19:19

Tgt Ion:	93	Resp:	106860
Ion	Ratio	Lower	Upper
93	100		
66	32.6	27.5	41.3
65	16.6	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: 71.36 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

Instrument :

BNA_G

ClientSampleId :

PB82798BS

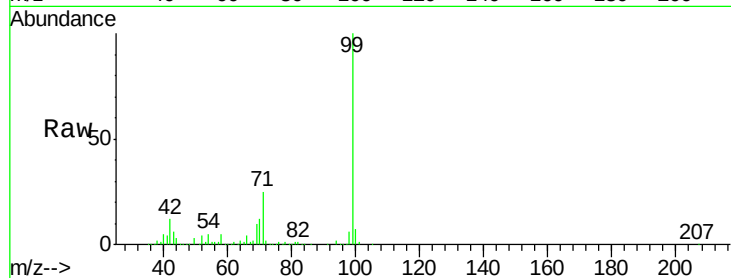
Tgt Ion: 99 Resp: 582066

Ion Ratio Lower Upper

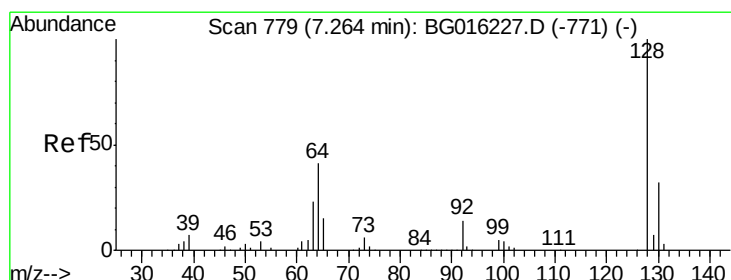
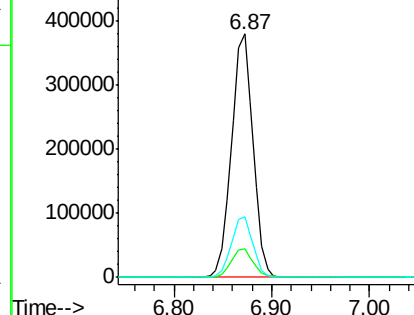
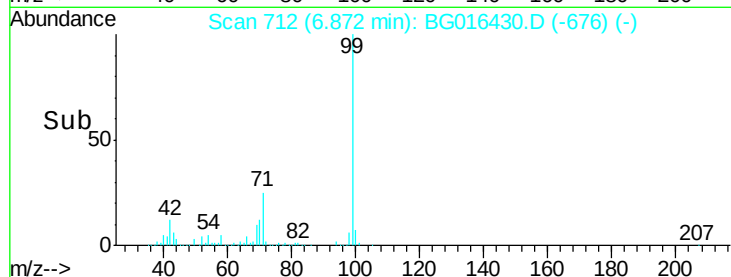
99 100

42 11.6 10.0 15.0

71 25.0 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: 37.68 ng

RT: 7.24 min Scan# 775

Delta R.T. -0.00 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

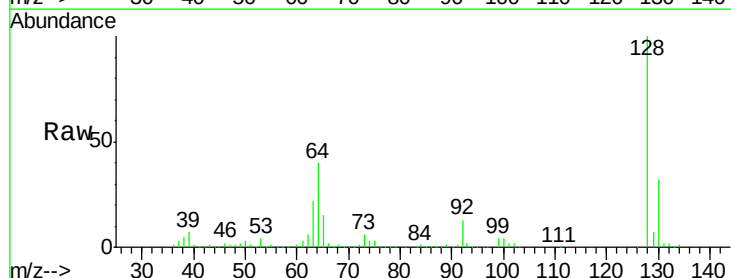
Tgt Ion: 128 Resp: 245898

Ion Ratio Lower Upper

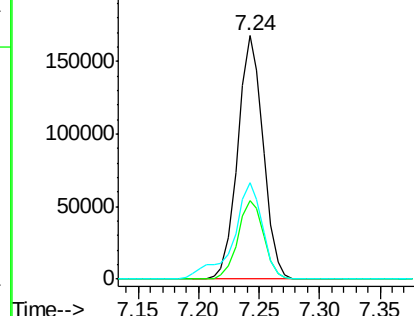
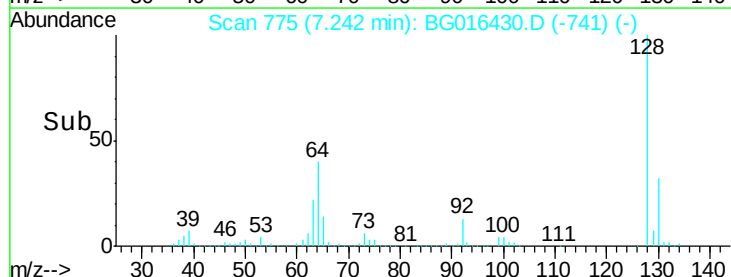
128 100

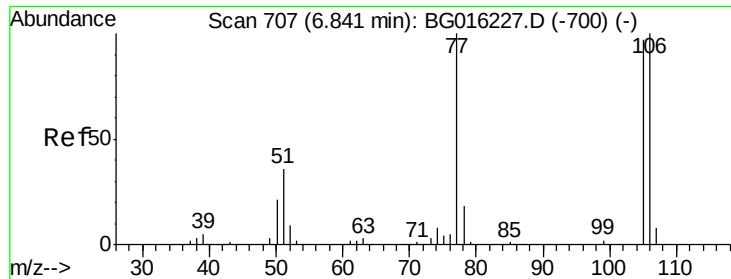
130 32.4 11.6 51.6

64 39.6 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: 8.97 ng

RT: 6.81 min Scan# 702

Delta R.T. -0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

Instrument :

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ClientSampleId :

PB82798BS

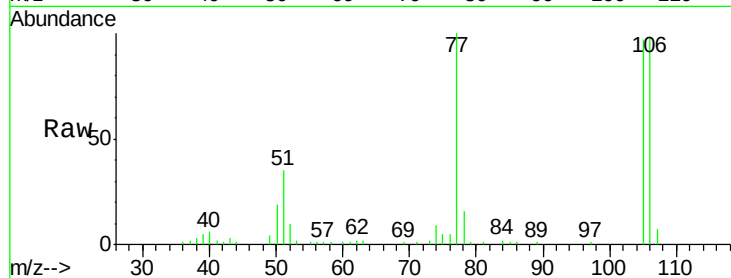
Tgt Ion: 77 Resp: 42849

Ion Ratio Lower Upper

77 100

105 97.2 76.8 116.8

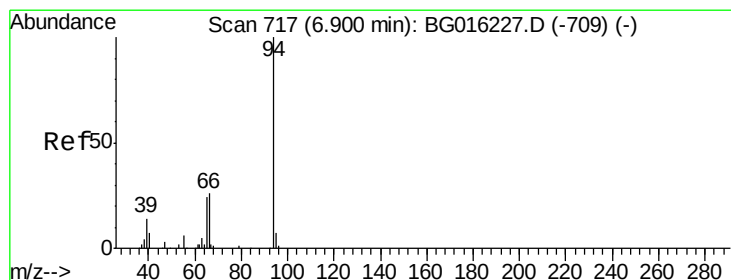
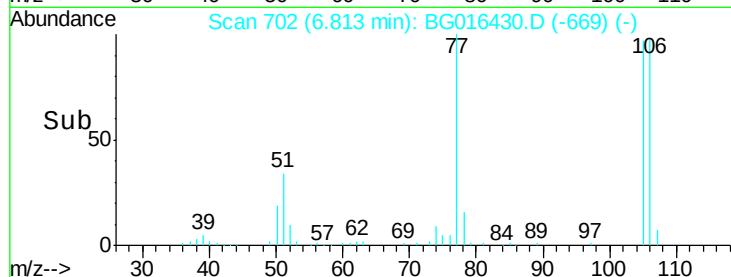
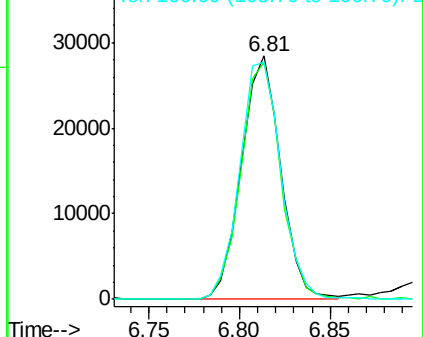
106 97.6 80.1 120.1



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: 35.49 ng

RT: 6.90 min Scan# 716

Delta R.T. 0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

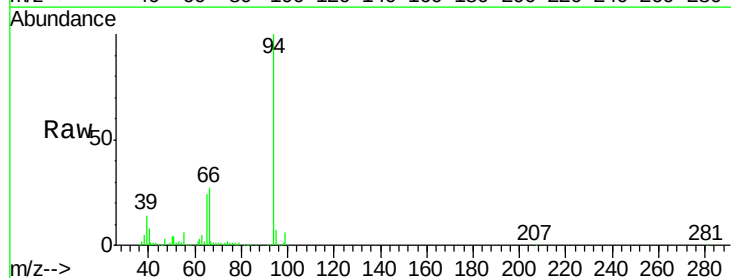
Tgt Ion: 94 Resp: 309724

Ion Ratio Lower Upper

94 100

65 23.5 3.8 43.8

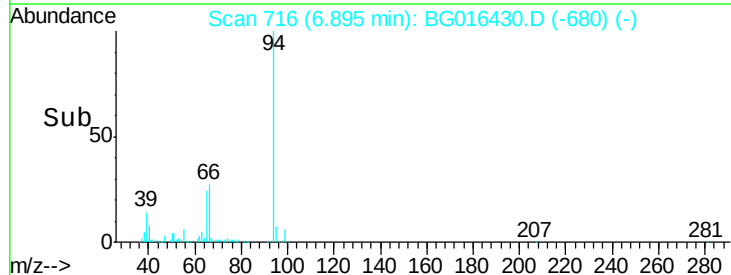
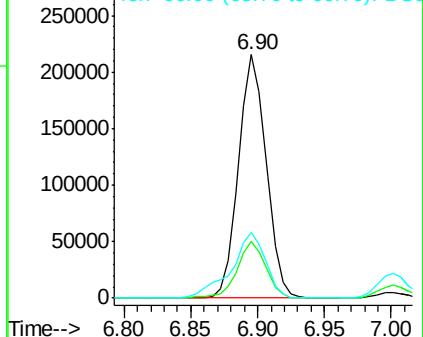
66 26.8 7.4 47.4

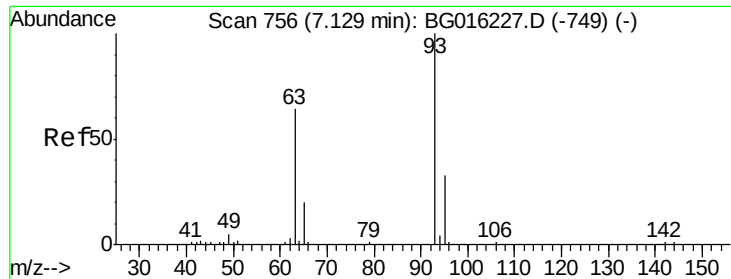


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

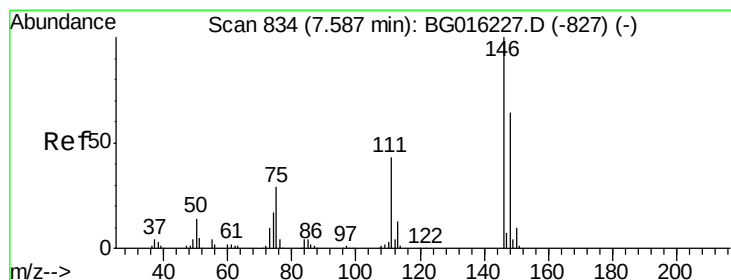
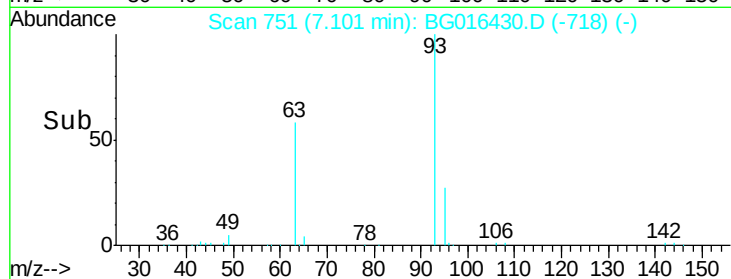
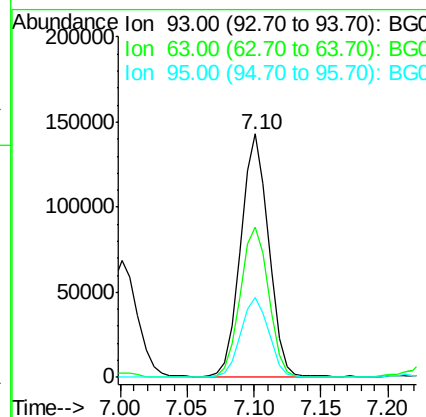
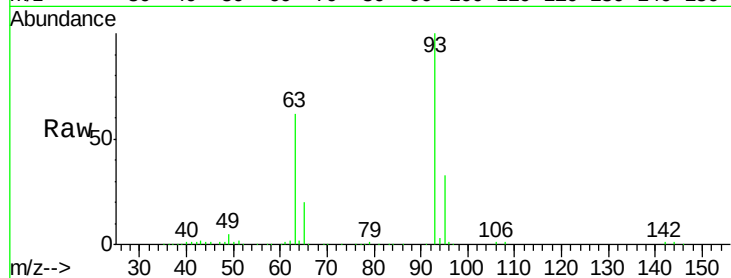




#11
bis(2-Chloroethyl)ether
Concen: 29.61 ng
RT: 7.10 min Scan# 751
Delta R.T. -0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

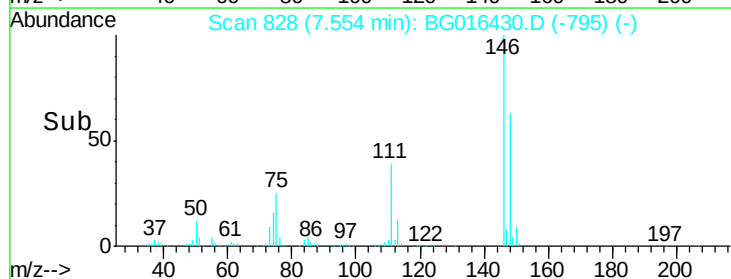
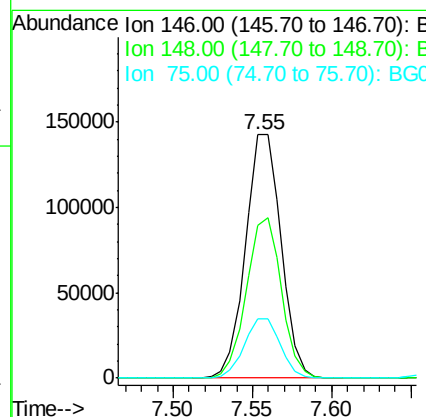
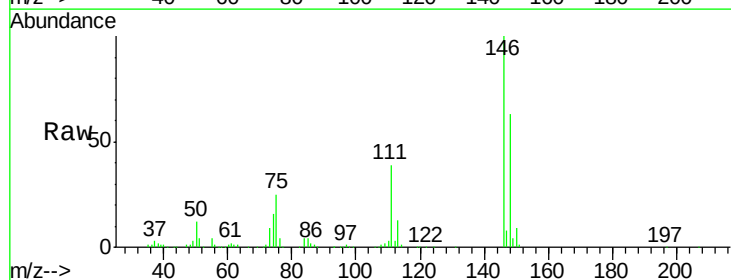
Instrument :
BNA_G
ClientSampleId :
PB82798BS

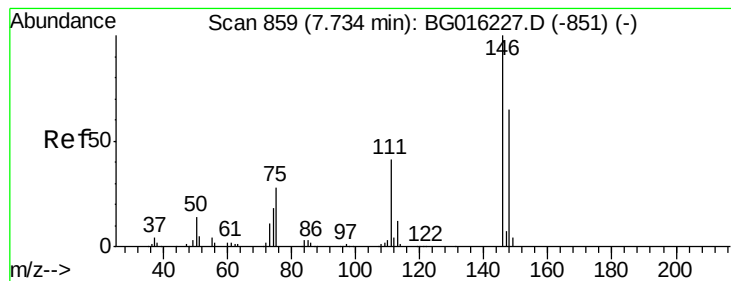
Tgt Ion:	93	Resp:	206039
Ion	Ratio	Lower	Upper
93	100		
63	61.8	44.1	84.1
95	32.8	12.5	52.5



#12
1,3-Dichlorobenzene
Concen: 33.75 ng
RT: 7.55 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Tgt Ion:	146	Resp:	222416
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.9	76.3
75	24.6	23.3	34.9





#13

1,4-Dichlorobenzene

Concen: 33.61 ng

RT: 7.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

Instrument :

BNA_G

ClientSampleId :

PB82798BS

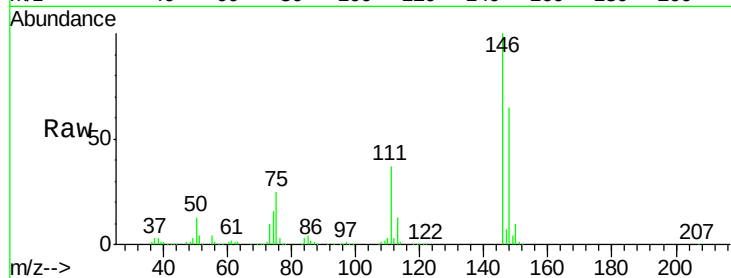
Tgt Ion:146 Resp: 229760

Ion Ratio Lower Upper

146 100

148 64.6 52.0 78.0

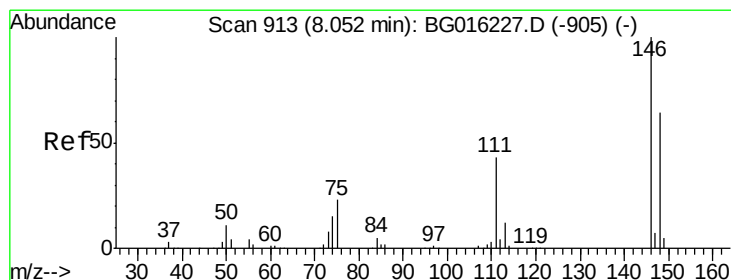
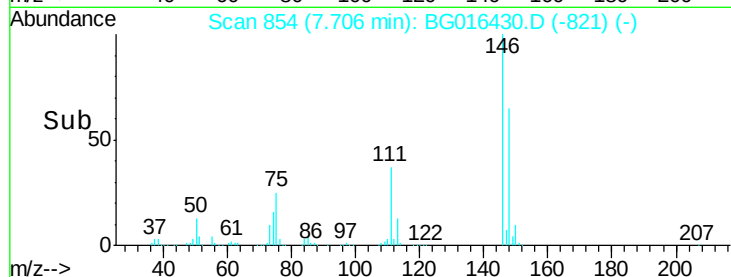
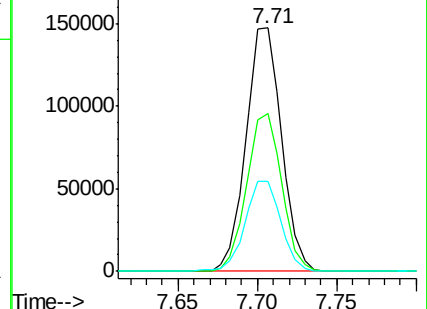
111 37.2 32.6 49.0



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: 33.72 ng

RT: 8.02 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

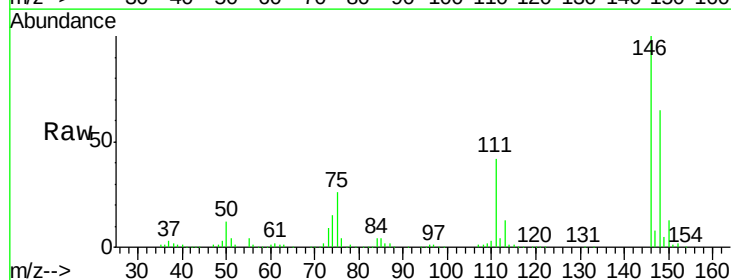
Tgt Ion:146 Resp: 220454

Ion Ratio Lower Upper

146 100

148 64.8 50.9 76.3

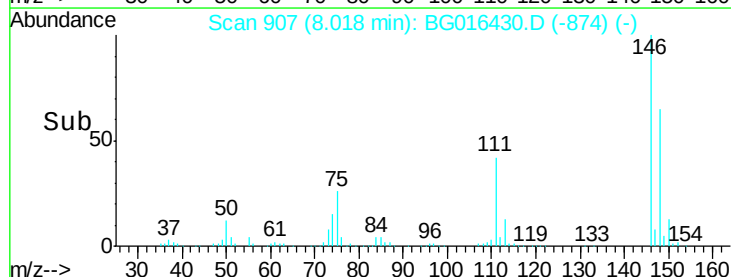
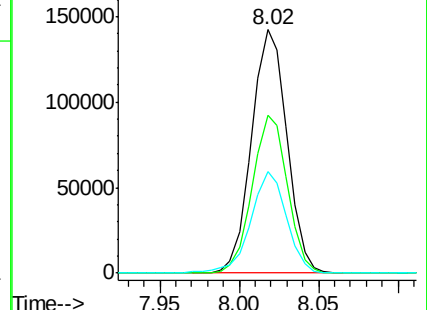
111 41.6 34.7 52.1

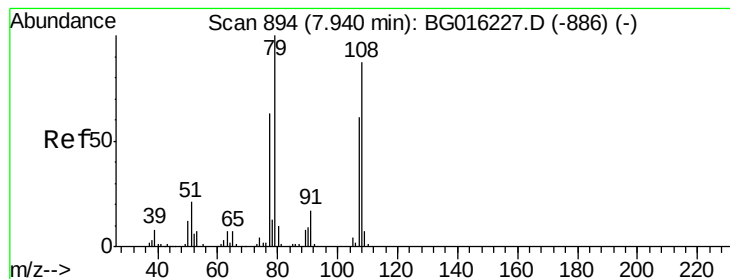


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 32.28 ng

RT: 7.92 min Scan# 890

Delta R.T. -0.00 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

Instrument :

BNA_G

ClientSampleId :

PB82798BS

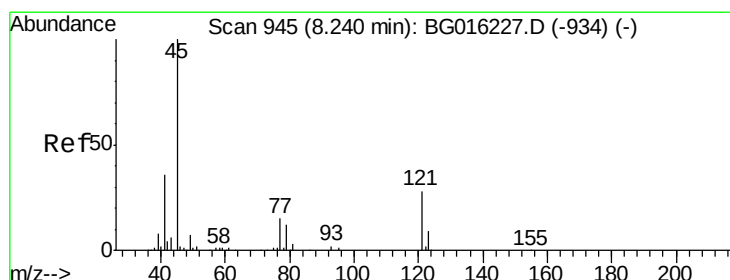
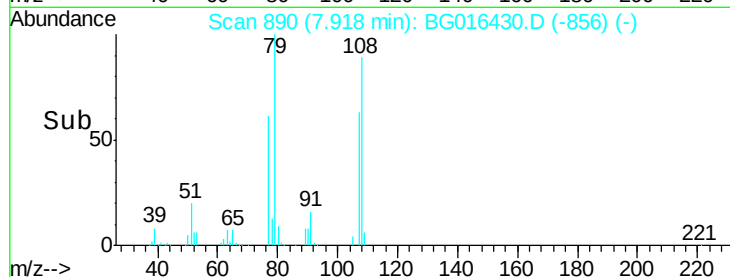
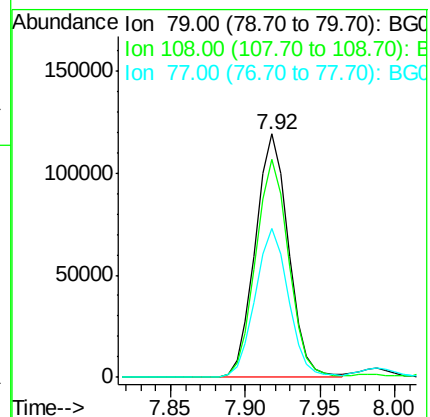
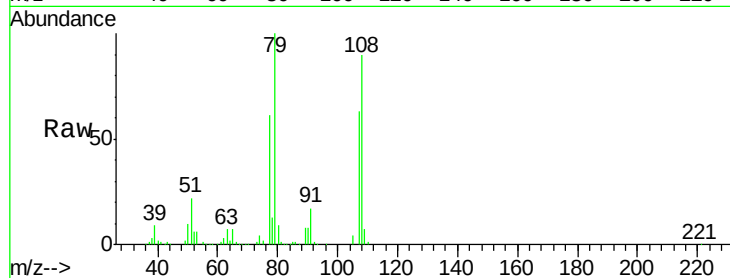
Tgt Ion: 79 Resp: 183552

Ion Ratio Lower Upper

79 100

108 89.7 69.3 103.9

77 61.3 50.3 75.5



#16

2,2'-oxybis(1-chloropropane)

Concen: 29.00 ng

RT: 8.21 min Scan# 939

Delta R.T. -0.01 min

Lab File: BG016430.D

Acq: 15 Apr 2015 19:19

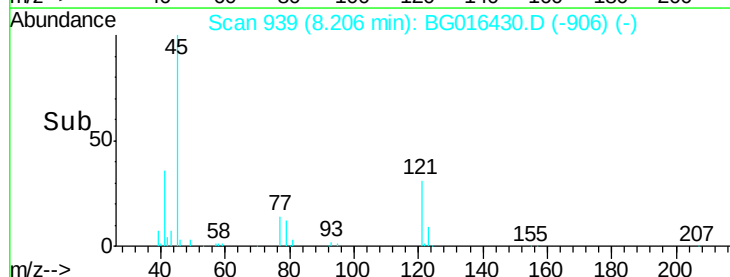
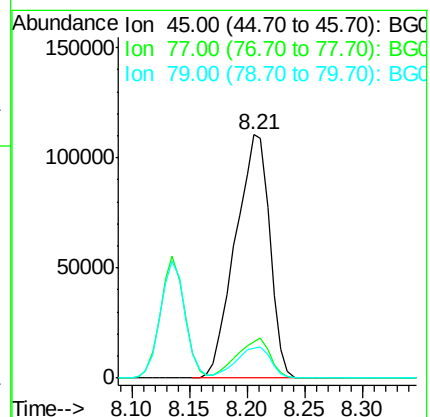
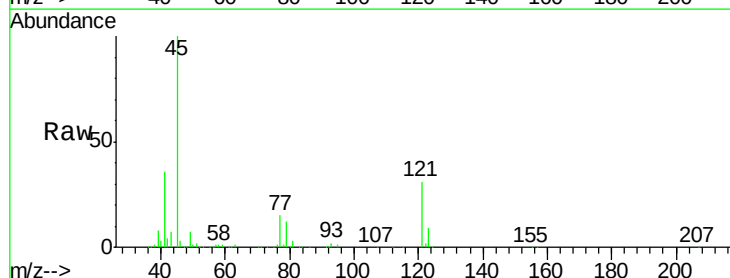
Tgt Ion: 45 Resp: 227277

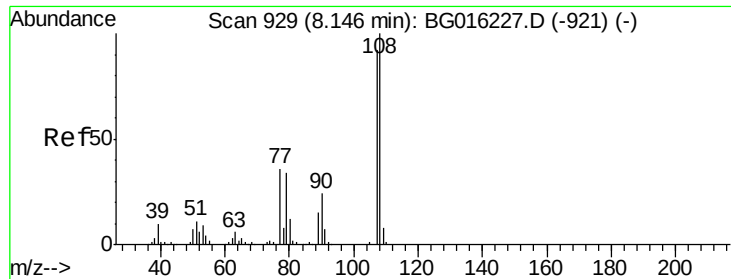
Ion Ratio Lower Upper

45 100

77 15.0 0.0 35.3

79 12.5 0.0 32.3

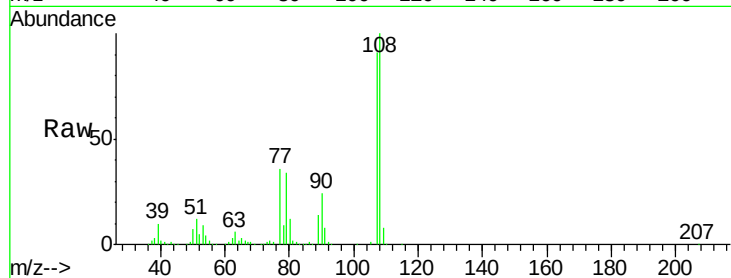




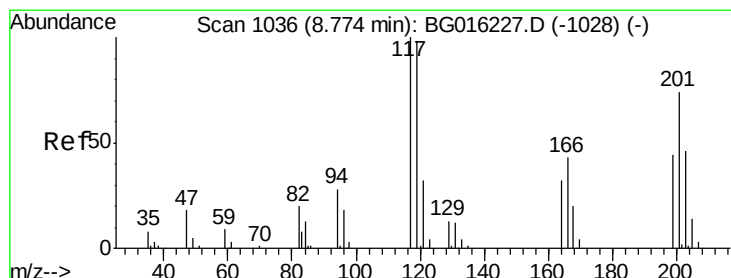
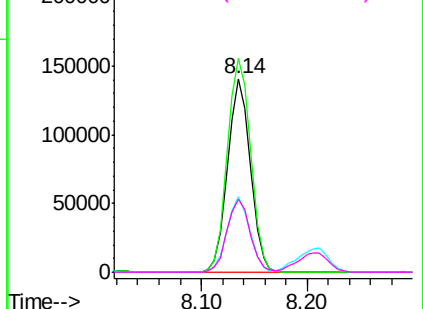
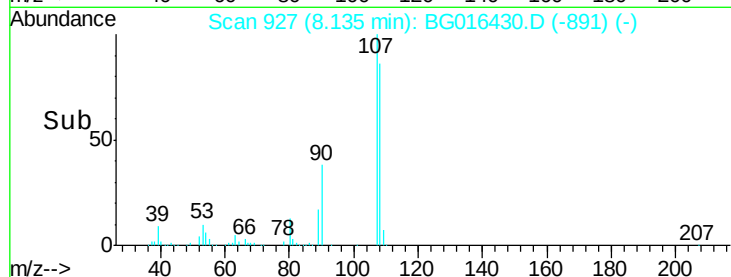
#17
2-Methylphenol
Concen: 35.70 ng
RT: 8.14 min Scan# 927
Delta R.T. 0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Instrument :
BNA_G
ClientSampleId :
PB82798BS

Tgt Ion:	107	Resp:	208931
Ion	Ratio	Lower	Upper
107	100		
108	110.2	87.2	130.8
77	39.1	31.1	46.7
79	37.4	29.7	44.5

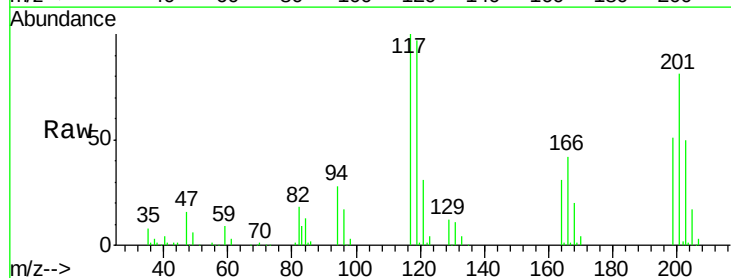


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

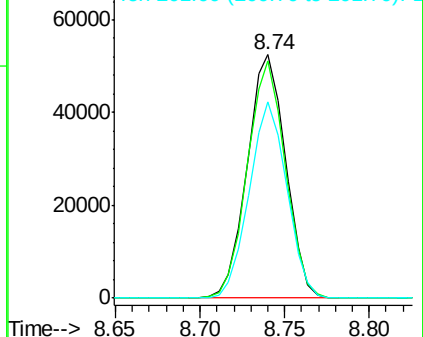
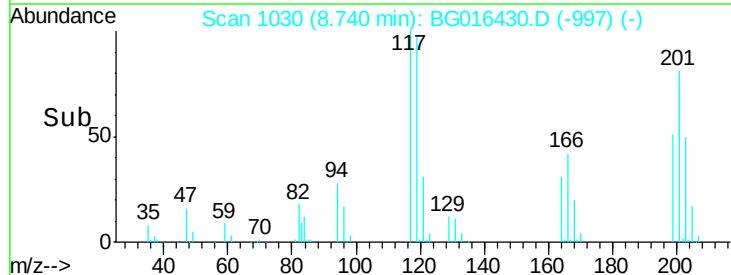


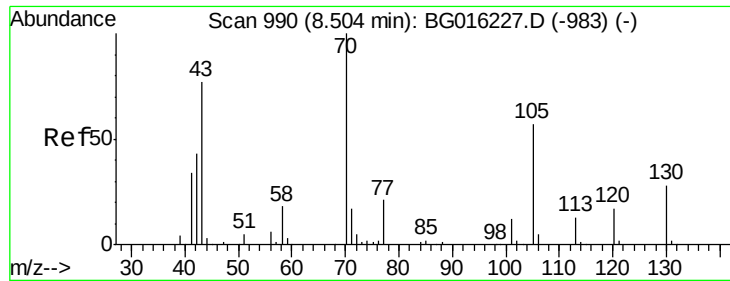
#18
Hexachloroethane
Concen: 31.78 ng
RT: 8.74 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Tgt Ion:	117	Resp:	83097
Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.8	118.2
201	80.8	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

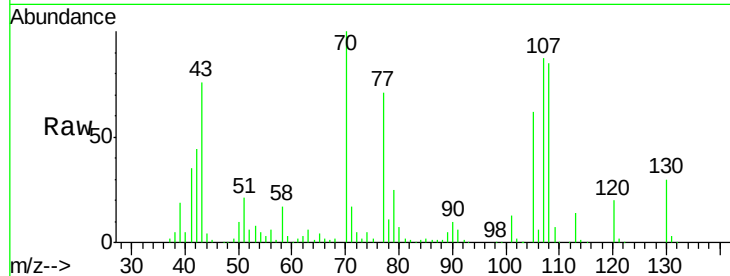




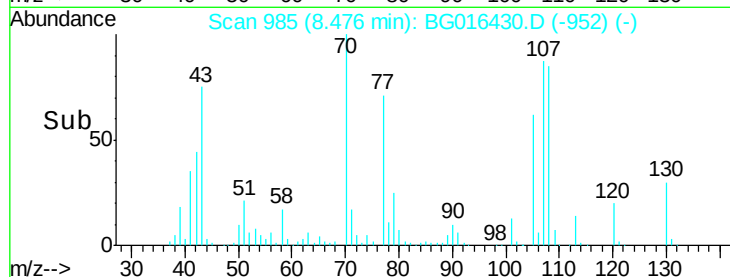
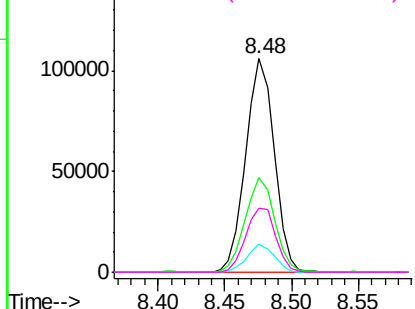
#19
n-Nitroso-di-n-propylamine
Concen: 26.75 ng
RT: 8.48 min Scan# 985
Delta R.T. -0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Instrument :
BNA_G
ClientSampleId :
PB82798BS

Tgt Ion: 70 Resp: 156351
Ion Ratio Lower Upper
70 100
42 44.3 34.7 52.1
101 13.3 9.2 13.8
130 30.2 22.6 33.8



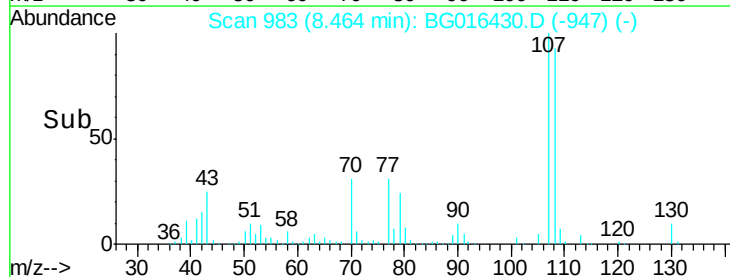
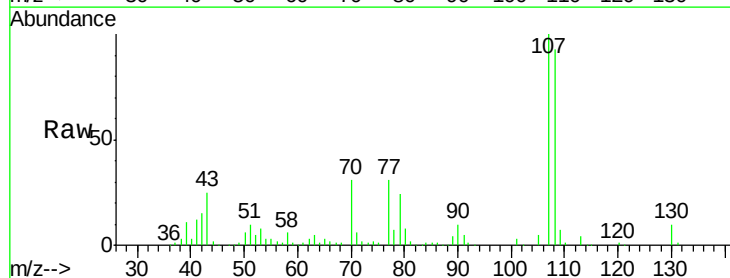
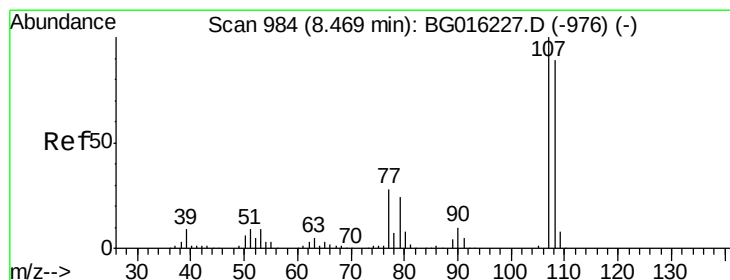
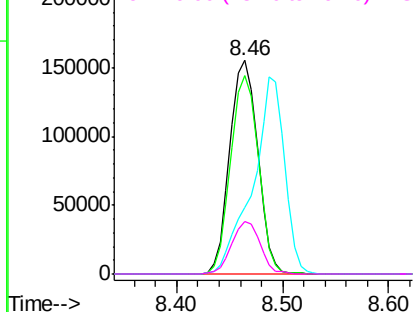
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

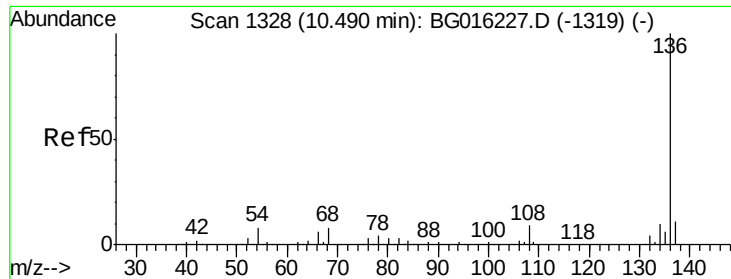


#20
3+4-Methylphenols
Concen: 35.21 ng
RT: 8.46 min Scan# 983
Delta R.T. 0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Tgt Ion: 107 Resp: 285448
Ion Ratio Lower Upper
107 100
108 92.9 69.5 109.5
77 31.4 8.2 48.2
79 24.4 3.8 43.8

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

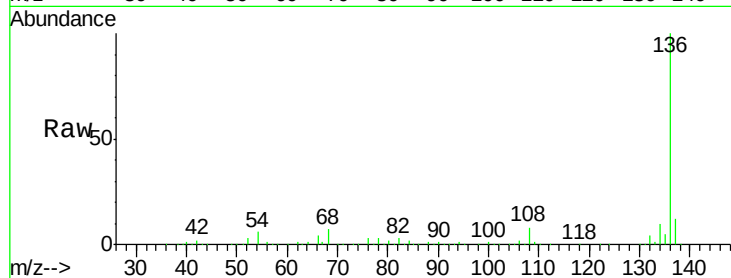




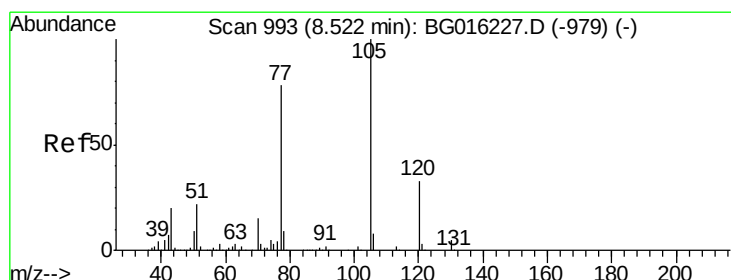
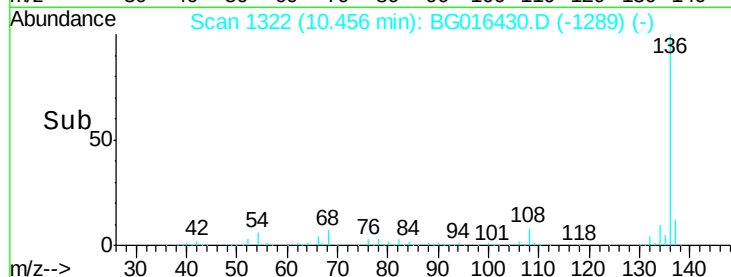
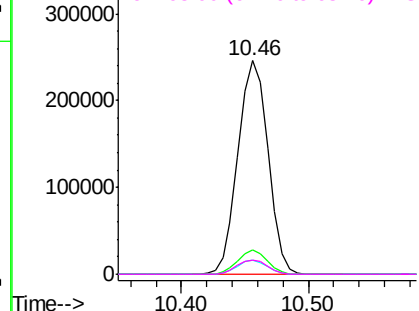
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.46 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Instrument :
BNA_G
ClientSampleId :
PB82798BS

Tgt Ion:	136	Resp:	403536
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	6.5	6.3	9.5
68	6.9	6.5	9.7

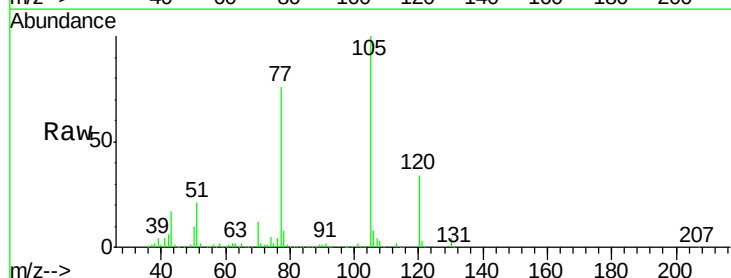


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 32.10 ng
RT: 8.49 min Scan# 988
Delta R.T. -0.00 min
Lab File: BG016430.D
Acq: 15 Apr 2015 19:19

Tgt Ion:	105	Resp:	300339
Ion	Ratio	Lower	Upper
105	100		
71	2.1	2.0	3.0
51	21.1	17.9	26.9
120	34.1	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

