

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060415\
 Data File : BG017458.D
 Acq On : 5 Jun 2015 2:30
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Jun 05 04:38:24 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 03:51:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	14129	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	62649	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	43295	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	107490	20.00	ng	0.00
75) Chrysene-d12	21.24	240	133348	20.00	ng	0.00
86) Perylene-d12	23.47	264	128456	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	66760	83.25	ng	0.00
7) Phenol-d6	6.82	99	92694	84.84	ng	0.00
23) Nitrobenzene-d5	8.79	82	104708	83.43	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	48581	80.79	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	228319	79.55	ng	0.00
78) Terphenyl-d14	19.68	244	524205	81.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.08	88	14117	39.11	ng	93
3) Pyridine	3.48	79	37012	38.39	ng	90
4) n-Nitrosodimethylamine	3.40	42	28971	45.84	ng	89
6) Aniline	6.96	93	59900	40.84	ng	97
8) 2-Chlorophenol	7.19	128	37549	39.59	ng	90
9) Benzaldehyde	6.77	77	31028	41.84	ng	98
10) Phenol	6.85	94	48499	43.22	ng	97
11) bis(2-Chloroethyl)ether	7.06	93	36716	42.94	ng	96
12) 1,3-Dichlorobenzene	7.51	146	43201	40.75	ng	95
13) 1,4-Dichlorobenzene	7.66	146	44948	40.46	ng	93
14) 1,2-Dichlorobenzene	7.97	146	42328	40.70	ng	100
15) Benzyl Alcohol	7.87	79	42784	42.06	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.17	45	62580	43.42	ng	93
17) 2-Methylphenol	8.09	107	36074	42.37	ng	95
18) Hexachloroethane	8.70	117	18345	41.39	ng	94
19) n-Nitroso-di-n-propylamine	8.43	70	39065	42.26	ng	93
20) 3+4-Methylphenols	8.42	107	48703	41.34	ng	92
22) Acetophenone	8.45	105	62504	40.70	ng	# 96
24) Nitrobenzene	8.83	77	56612	43.45	ng	93
25) Isophorone	9.35	82	101399	38.63	ng	96
26) 2-Nitrophenol	9.54	139	24240	40.12	ng	98
27) 2,4-Dimethylphenol	9.62	122	40100	40.81	ng	92
28) bis(2-Chloroethoxy)methane	9.84	93	48712	40.62	ng	96
29) 2,4-Dichlorophenol	10.09	162	39594	41.35	ng	97
30) 1,2,4-Trichlorobenzene	10.28	180	45962	40.82	ng	96
31) Naphthalene	10.47	128	132905	40.60	ng	96
32) Benzoic acid	9.78	122	20353	32.77	ng	95
33) 4-Chloroaniline	10.59	127	58775	40.47	ng	97
34) Hexachlorobutadiene	10.75	225	30264	41.30	ng	# 82
35) Caprolactam	11.37	113	20057	38.06	ng	97
36) 4-Chloro-3-methylphenol	11.74	107	52097	41.82	ng	87
37) 2-Methylnaphthalene	12.09	142	103689	41.21	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.46	216	53338	40.49	ng	96
40) Hexachlorocyclopentadiene	12.44	237	24687	35.86	ng	94

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Quant Time: Jun 05 04:38:24 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 03:51:43 2015
 Response via : Initial Calibration

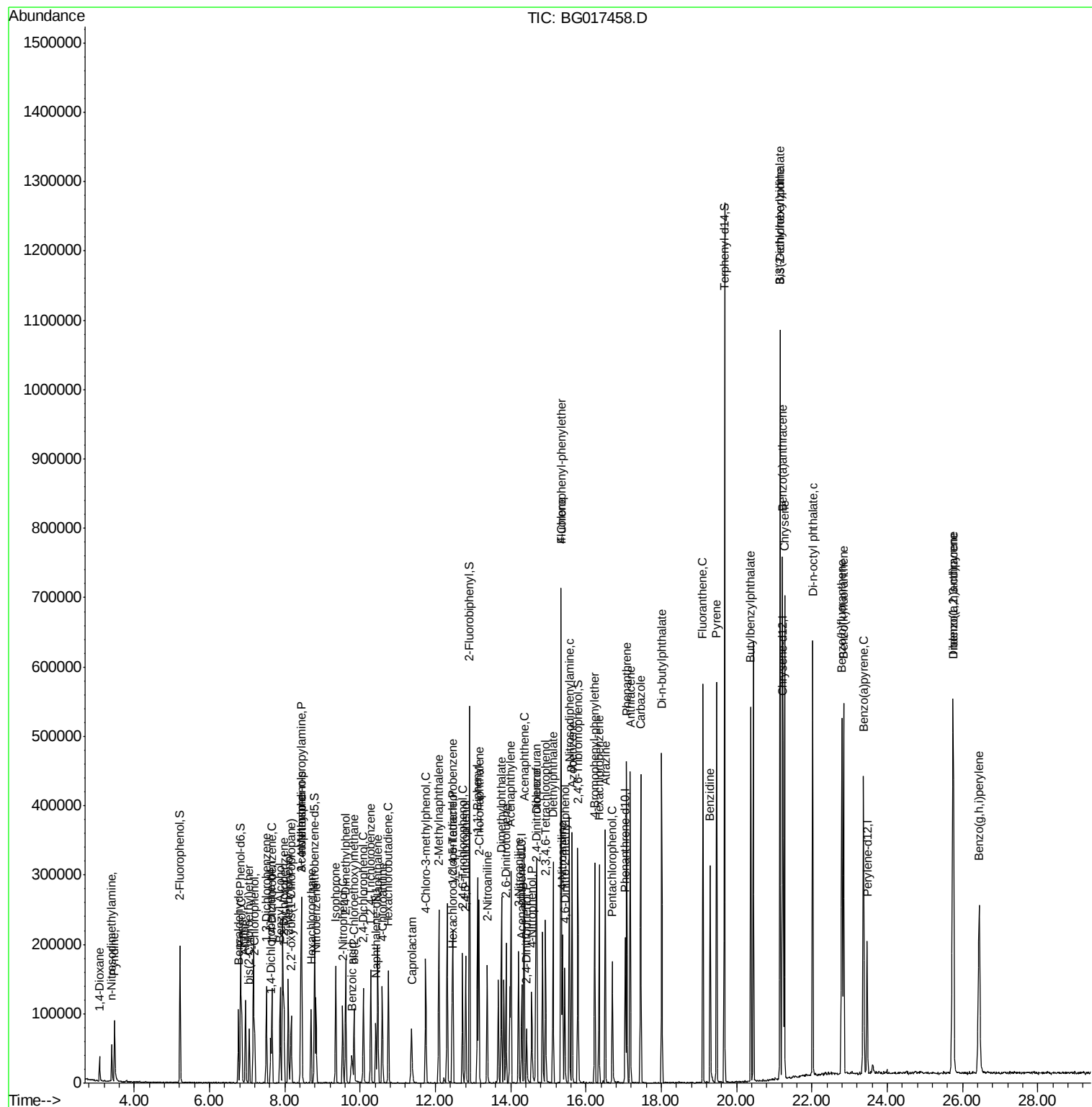
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.72	196	38202	40.50	ng	96
43) 2,4,5-Trichlorophenol	12.81	196	41055	39.73	ng	95
45) 1,1'-Biphenyl	13.12	154	128147	40.50	ng	98
46) 2-Chloronaphthalene	13.16	162	108612	41.05	ng	97
47) 2-Nitroaniline	13.38	65	41123	42.09	ng	97
48) Acenaphthylene	14.01	152	190694	40.91	ng	99
49) Dimethylphthalate	13.76	163	142597	37.84	ng	98
50) 2,6-Dinitrotoluene	13.88	165	34557	40.81	ng	92
51) Acenaphthene	14.36	154	111811	40.69	ng	99
52) 3-Nitroaniline	14.21	138	35384	38.59	ng	# 80
53) 2,4-Dinitrophenol	14.42	184	16358	35.10	ng	93
54) Dibenzofuran	14.69	168	165088	40.73	ng	95
55) 4-Nitrophenol	14.56	139	27822	38.44	ng	96
56) 2,4-Dinitrotoluene	14.67	165	47293	39.21	ng	88
57) Fluorene	15.34	166	151818	41.30	ng	97
58) 2,3,4,6-Tetrachlorophenol	14.93	232	37342	39.62	ng	95
59) Diethylphthalate	15.13	149	154164	37.69	ng	98
60) 4-Chlorophenyl-phenylether	15.34	204	75067	40.30	ng	97
61) 4-Nitroaniline	15.38	138	41704	41.30	ng	89
62) Azobenzene	15.63	77	168193	43.26	ng	96
64) 4,6-Dinitro-2-methylphenol	15.44	198	30419	38.17	ng	94
65) n-Nitrosodiphenylamine	15.56	169	132777	41.42	ng	98
66) 4-Bromophenyl-phenylether	16.24	248	48260	40.56	ng	96
67) Hexachlorobenzene	16.35	284	51575	40.32	ng	95
68) Atrazine	16.51	200	56575	40.10	ng	97
69) Pentachlorophenol	16.70	266	27991	38.79	ng	95
70) Phenanthrene	17.08	178	243190	40.58	ng	99
71) Anthracene	17.17	178	247901	41.40	ng	98
72) Carbazole	17.45	167	238141	40.28	ng	96
73) Di-n-butylphthalate	18.02	149	305800	40.39	ng	99
74) Fluoranthene	19.10	202	320727	40.92	ng	99
76) Benzidine	19.30	184	164932	35.99	ng	99
77) Pyrene	19.47	202	325350	39.61	ng	99
79) Butylbenzylphthalate	20.37	149	143633	40.41	ng	98
80) Benzo(a)anthracene	21.22	228	330383	40.28	ng	97
81) 3,3'-Dichlorobenzidine	21.15	252	123848	40.42	ng	98
82) Chrysene	21.27	228	298378	40.18	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	210167	41.00	ng	99
84) Di-n-octyl phthalate	22.02	149	346820	40.35	ng	98
85) Indeno(1,2,3-cd)pyrene	25.74	276	383115	41.09	ng	99
87) Benzo(b)fluoranthene	22.79	252	333561	40.98	ng	99
88) Benzo(k)fluoranthene	22.84	252	321554	41.28	ng	98
89) Benzo(a)pyrene	23.37	252	304960	40.85	ng	99
90) Dibenzo(a,h)anthracene	25.76	278	320376	41.30	ng	97
91) Benzo(g,h,i)perylene	26.44	276	303877	41.16	ng	97

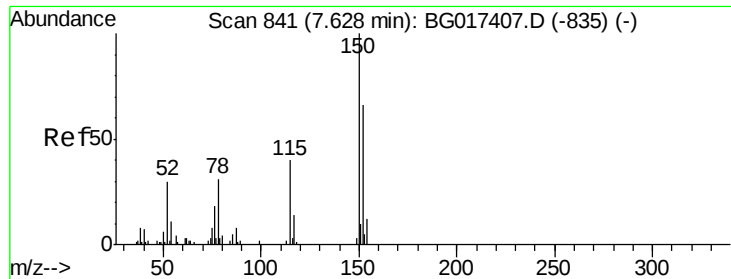
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jun 05 04:38:24 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 05 03:51:43 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.62 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

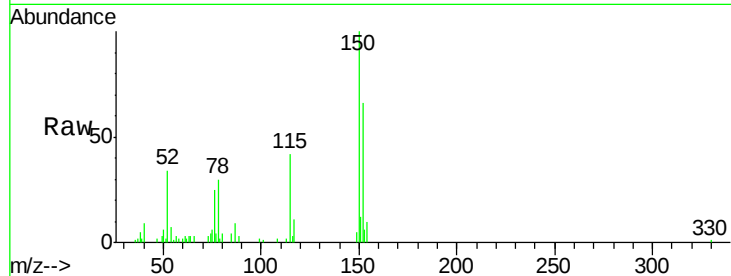
Tgt Ion:152 Resp: 14129

Ion Ratio Lower Upper

152 100

150 151.4 121.7 182.5

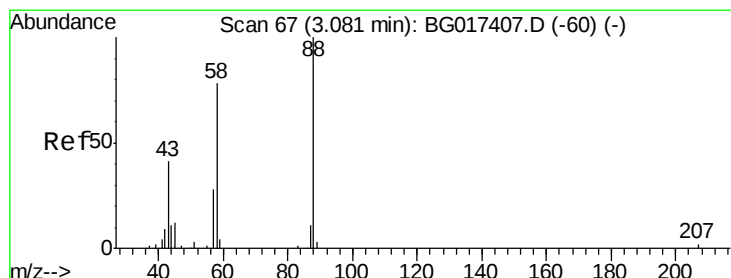
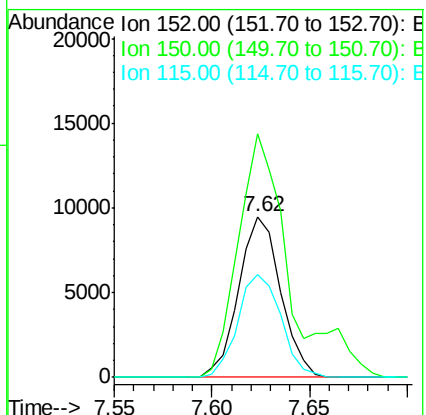
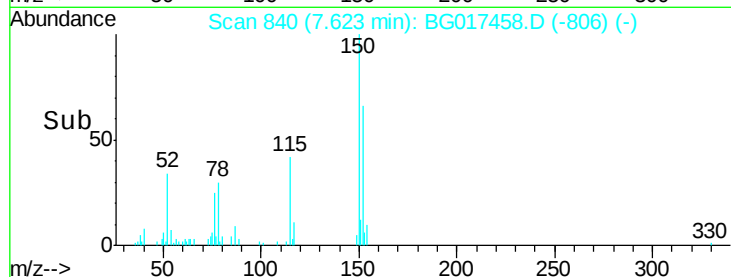
115 64.0 48.6 73.0



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: 39.11 ng

RT: 3.08 min Scan# 66

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

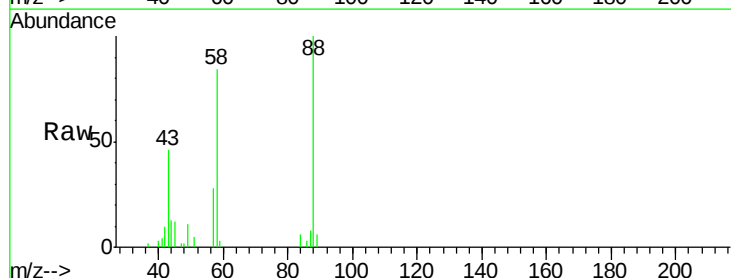
Tgt Ion: 88 Resp: 14117

Ion Ratio Lower Upper

88 100

58 82.1 59.0 88.6

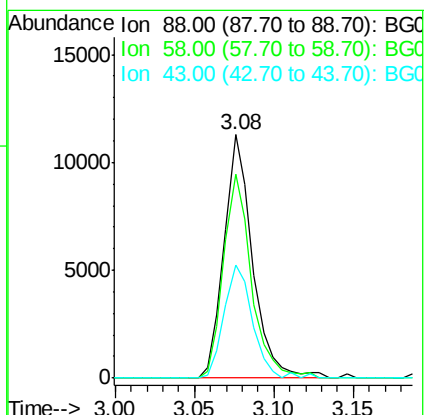
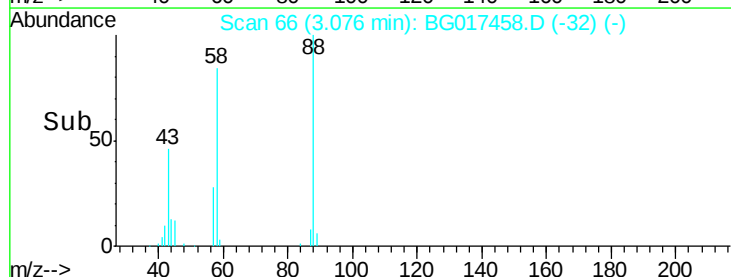
43 45.3 34.5 51.7

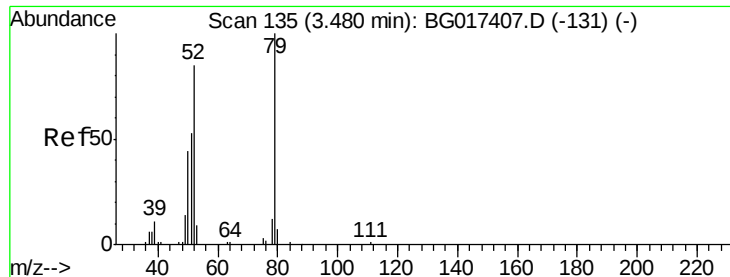


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 38.39 ng

RT: 3.48 min Scan# 134

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

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SSTDCCC040

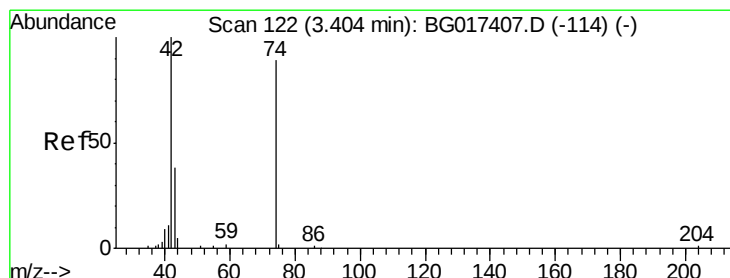
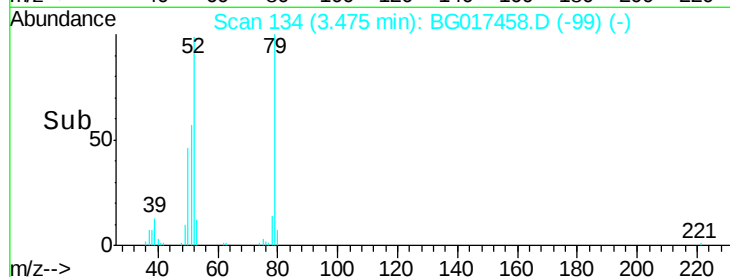
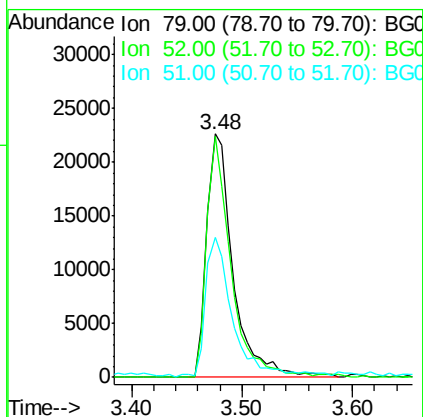
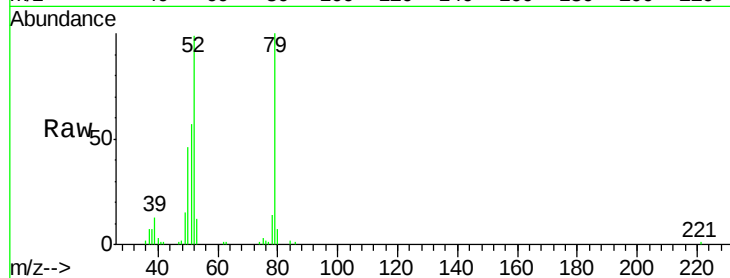
Tgt Ion: 79 Resp: 37012

Ion Ratio Lower Upper

79 100

52 98.9 68.3 102.5

51 57.3 45.0 67.4



#4

n-Nitrosodimethylamine

Concen: 45.84 ng

RT: 3.40 min Scan# 121

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

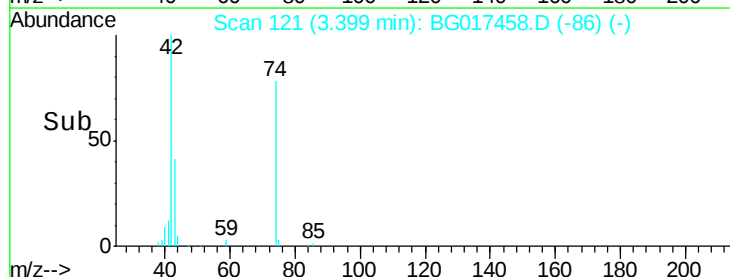
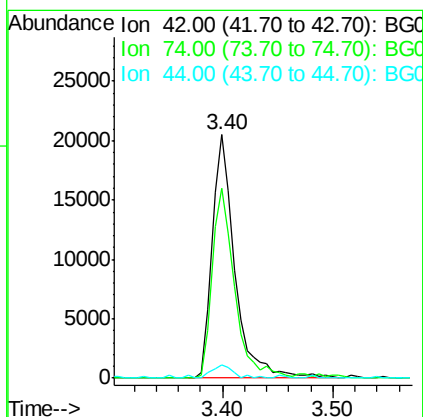
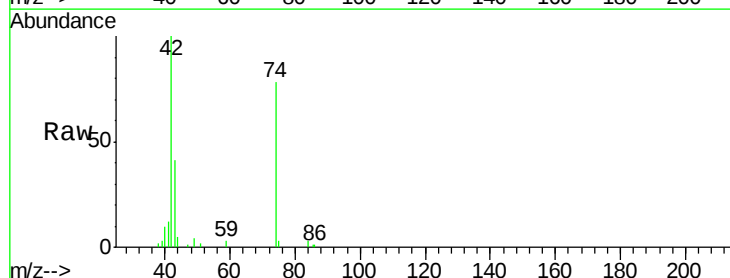
Tgt Ion: 42 Resp: 28971

Ion Ratio Lower Upper

42 100

74 78.0 71.4 107.2

44 5.5 4.5 6.7





#5

2-Fluorophenol

Concen: 83.25 ng

RT: 5.21 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

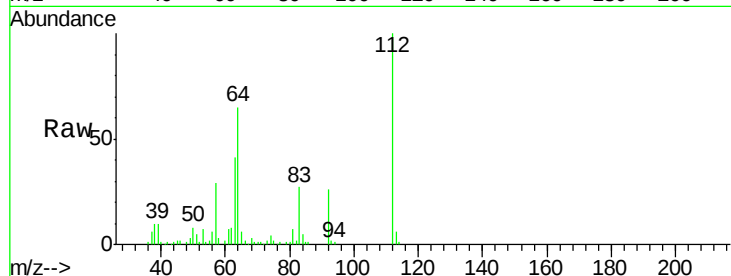
Tgt Ion: 112 Resp: 66760

Ion Ratio Lower Upper

112 100

64 64.9 51.6 77.4

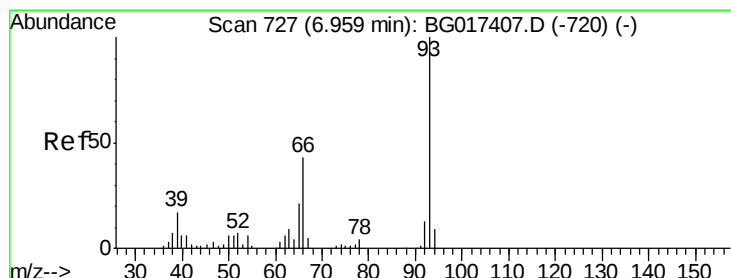
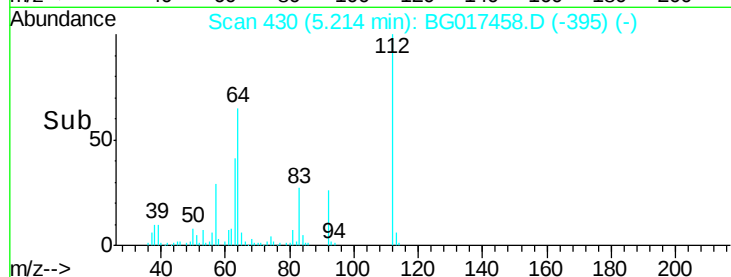
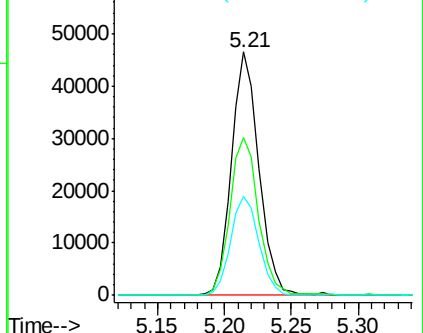
63 40.6 33.3 49.9



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: 40.84 ng

RT: 6.96 min Scan# 727

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

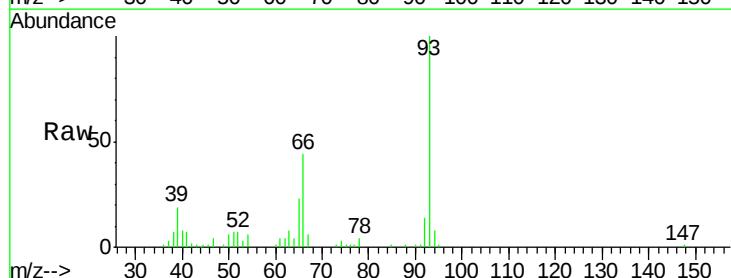
Tgt Ion: 93 Resp: 59900

Ion Ratio Lower Upper

93 100

66 44.3 34.3 51.5

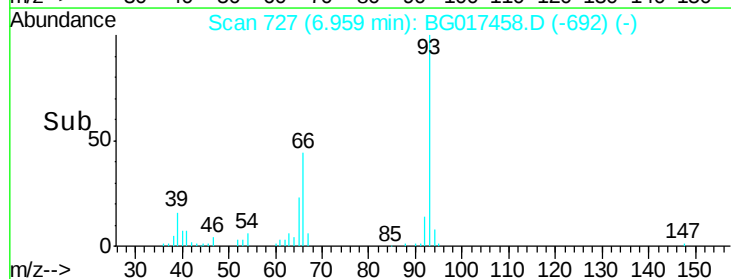
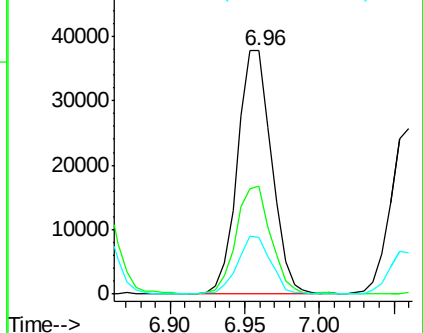
65 23.1 17.0 25.4

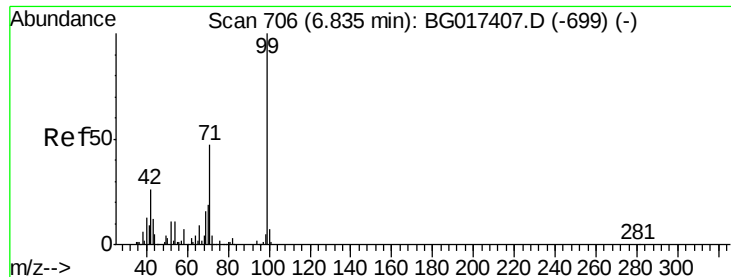


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 84.84 ng

RT: 6.82 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

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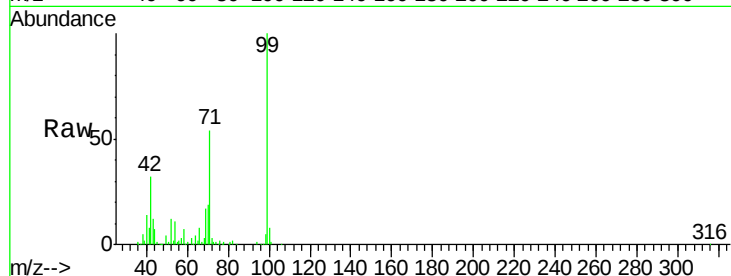
Tgt Ion: 99 Resp: 92694

Ion Ratio Lower Upper

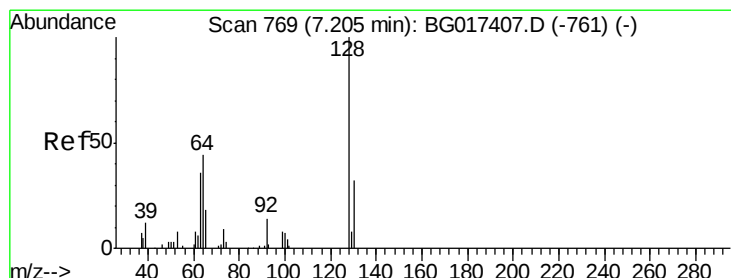
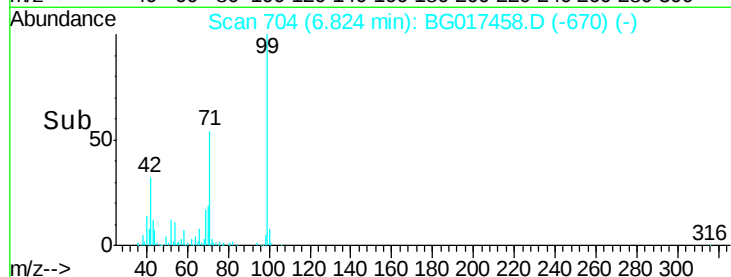
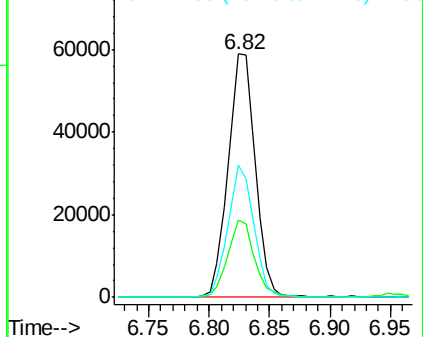
99 100

42 31.8 21.0 31.6#

71 54.4 37.2 55.8



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: 39.59 ng

RT: 7.19 min Scan# 767

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

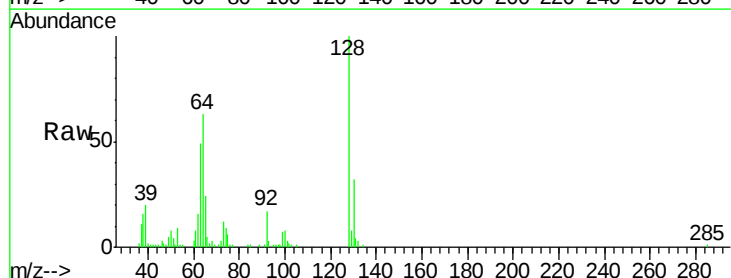
Tgt Ion: 128 Resp: 37549

Ion Ratio Lower Upper

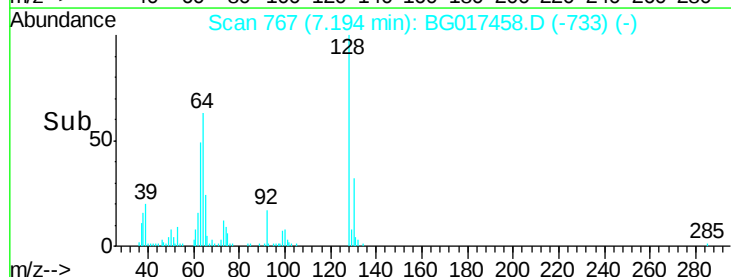
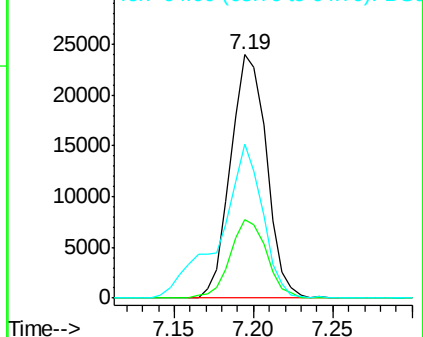
128 100

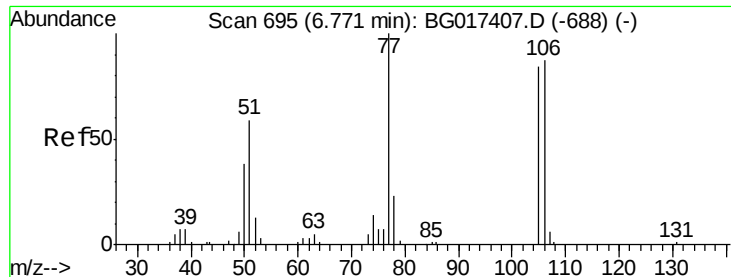
130 32.1 11.7 51.7

64 63.3 32.5 72.5



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: 41.84 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

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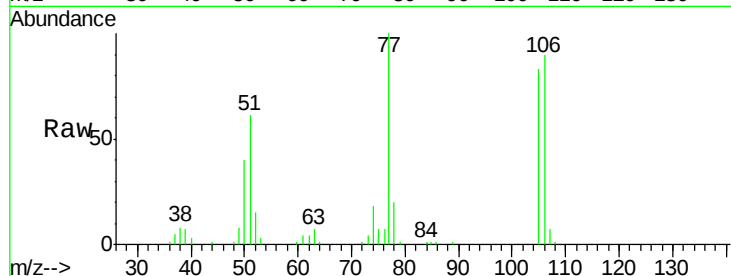
Tgt Ion: 77 Resp: 31028

Ion Ratio Lower Upper

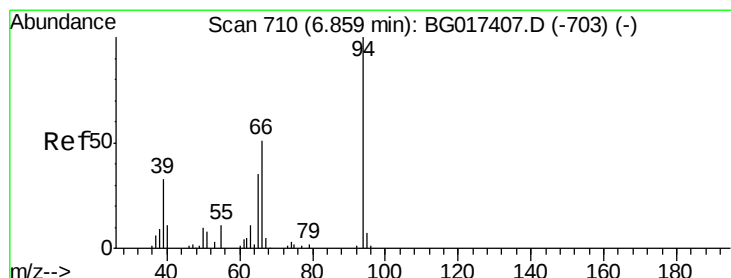
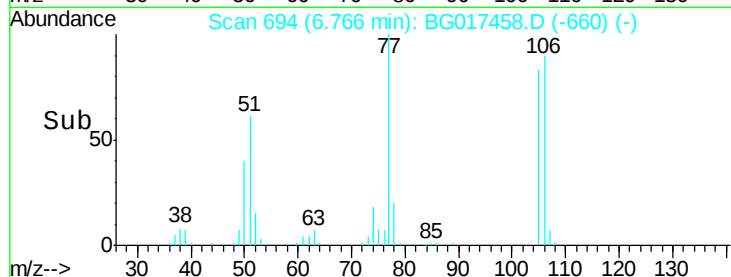
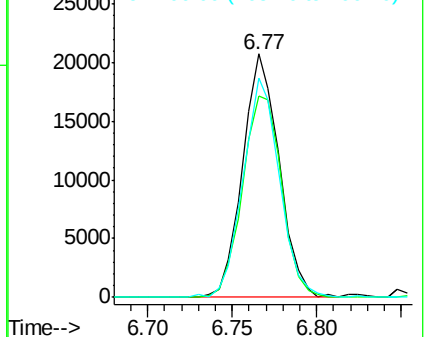
77 100

105 82.9 64.0 104.0

106 90.0 67.2 107.2



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: 43.22 ng

RT: 6.85 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

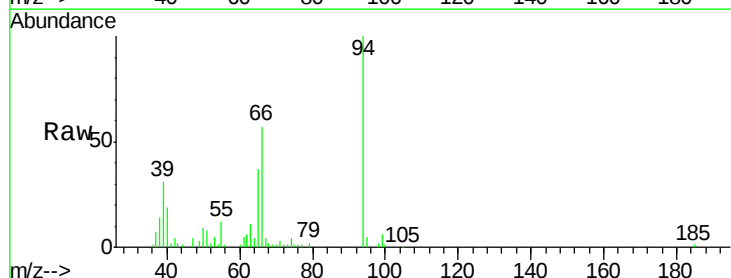
Tgt Ion: 94 Resp: 48499

Ion Ratio Lower Upper

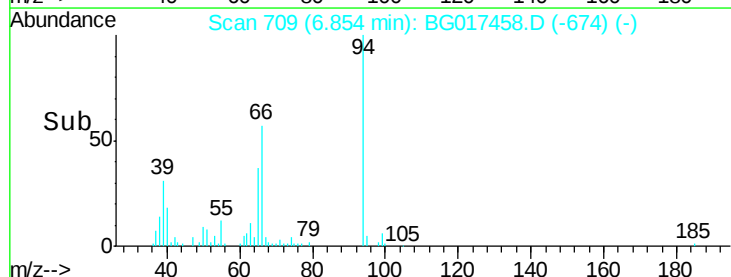
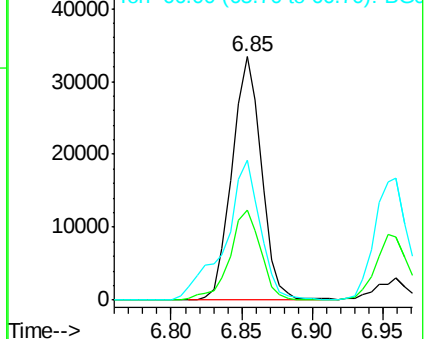
94 100

65 36.8 15.9 55.9

66 57.3 34.9 74.9



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: 42.94 ng

RT: 7.06 min Scan# 744

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

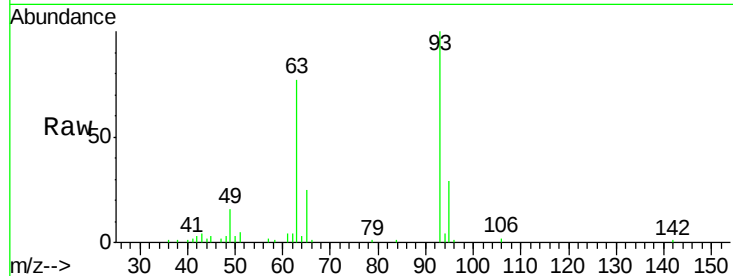
Tgt Ion: 93 Resp: 36716

Ion Ratio Lower Upper

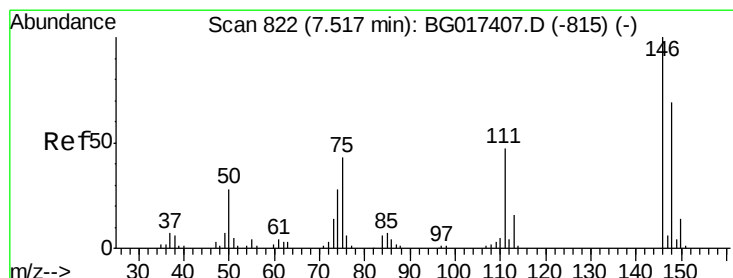
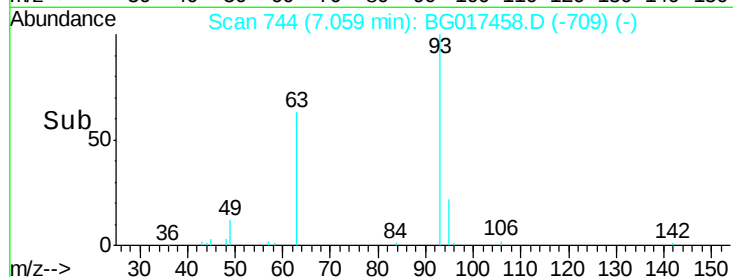
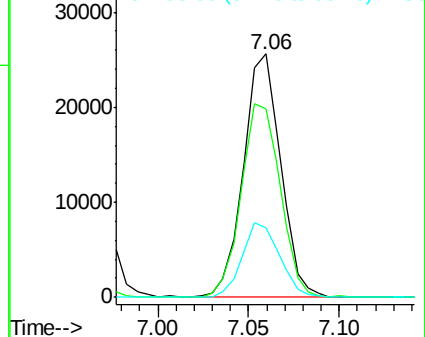
93 100

63 77.4 59.7 99.7

95 28.8 13.2 53.2



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: 40.75 ng

RT: 7.51 min Scan# 821

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

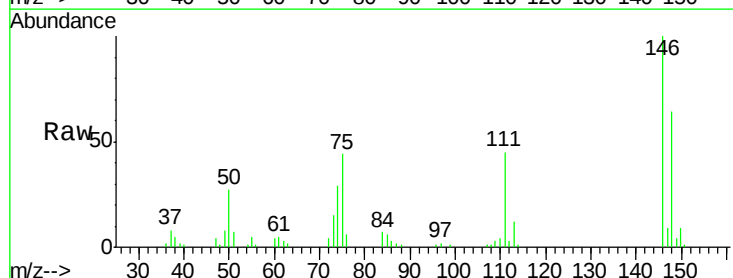
Tgt Ion: 146 Resp: 43201

Ion Ratio Lower Upper

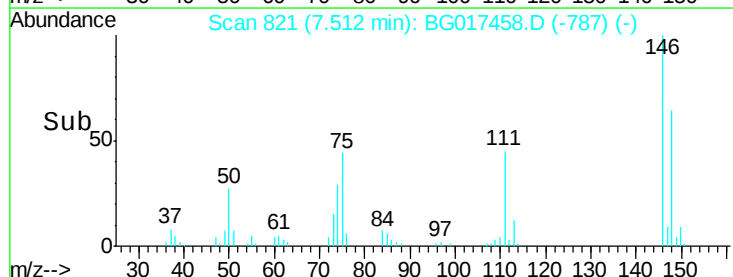
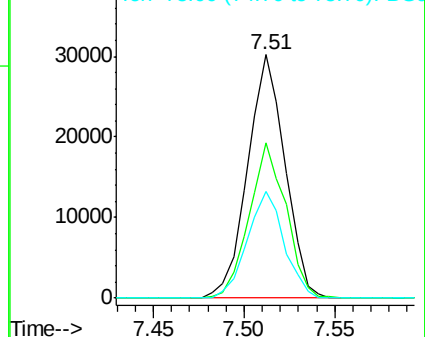
146 100

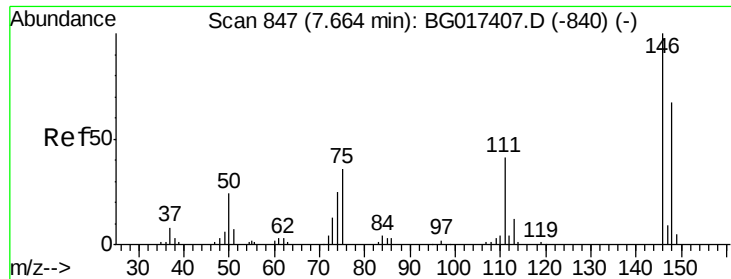
148 63.8 55.2 82.8

75 44.1 34.1 51.1



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

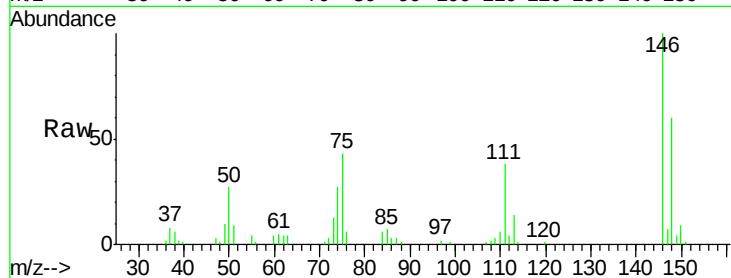




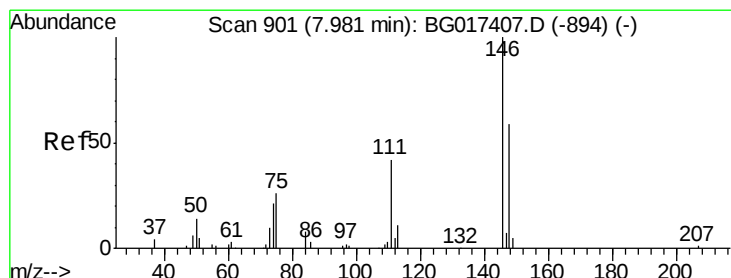
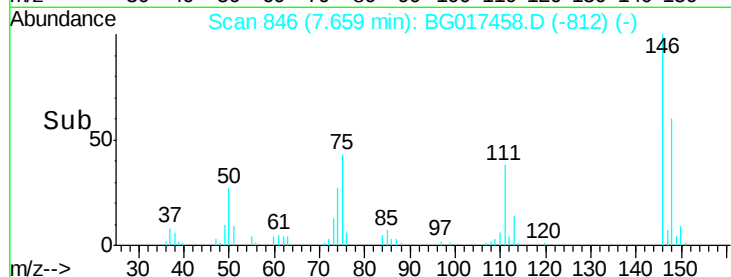
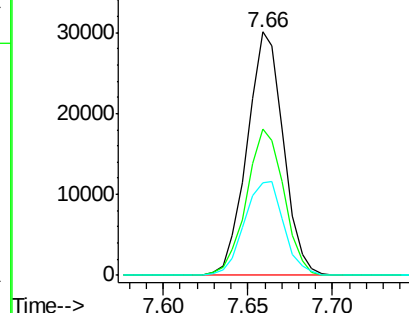
#13
 1,4-Dichlorobenzene
 Concen: 40.46 ng
 RT: 7.66 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG017458.D
 Acq: 5 Jun 2015 2:30

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Tgt Ion:146 Resp: 44948
 Ion Ratio Lower Upper
 146 100
 148 60.3 53.2 79.8
 111 38.0 33.2 49.8

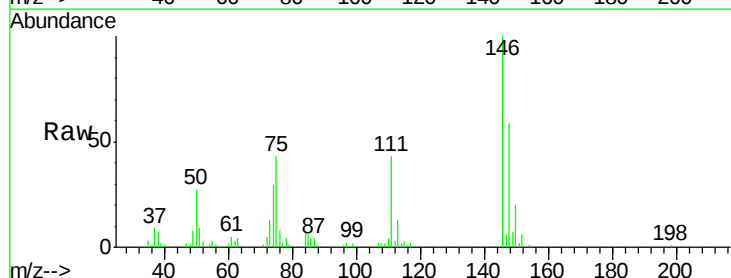


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

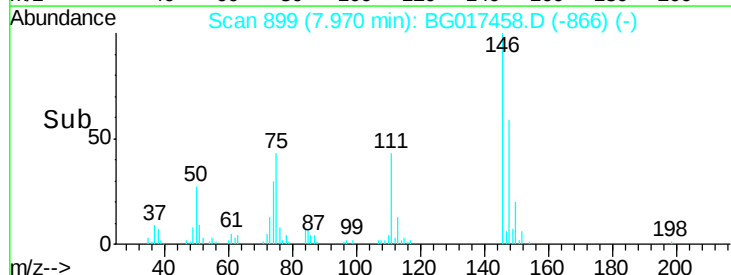
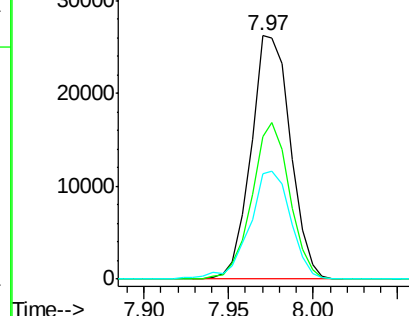


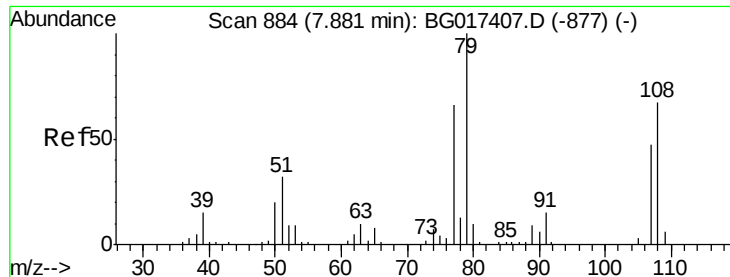
#14
 1,2-Dichlorobenzene
 Concen: 40.70 ng
 RT: 7.97 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BG017458.D
 Acq: 5 Jun 2015 2:30

Tgt Ion:146 Resp: 42328
 Ion Ratio Lower Upper
 146 100
 148 58.7 46.9 70.3
 111 43.3 35.0 52.4



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: 42.06 ng

RT: 7.87 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

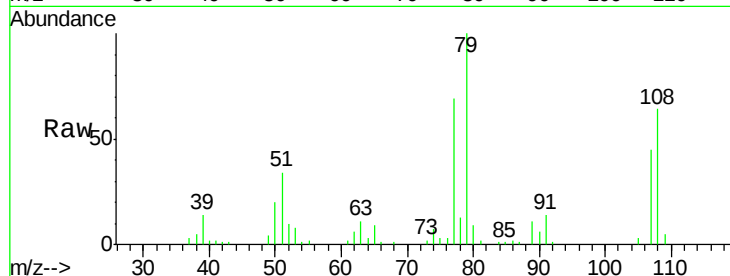
Tgt Ion: 79 Resp: 42784

Ion Ratio Lower Upper

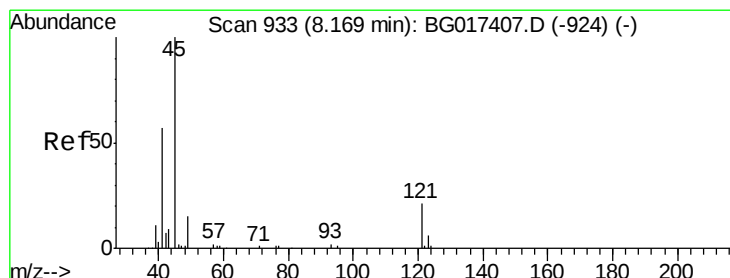
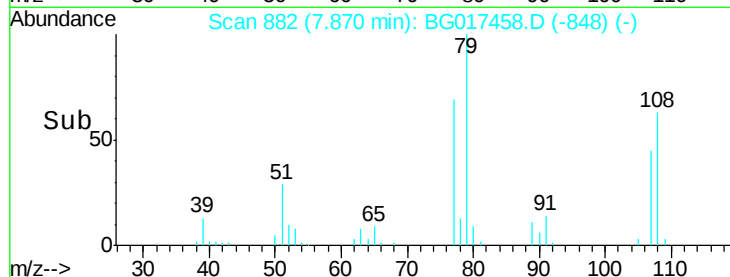
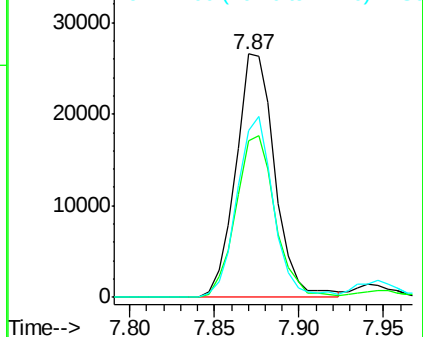
79 100

108 64.2 53.7 80.5

77 68.6 53.0 79.4



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: 43.42 ng

RT: 8.17 min Scan# 933

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

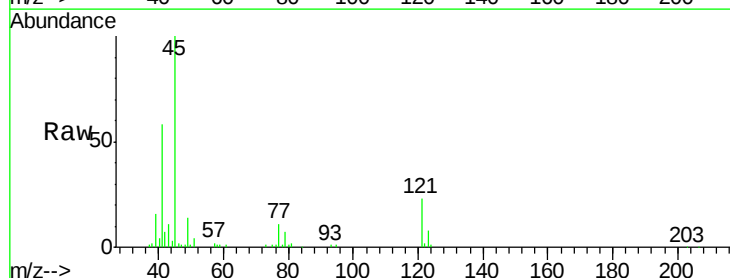
Tgt Ion: 45 Resp: 62580

Ion Ratio Lower Upper

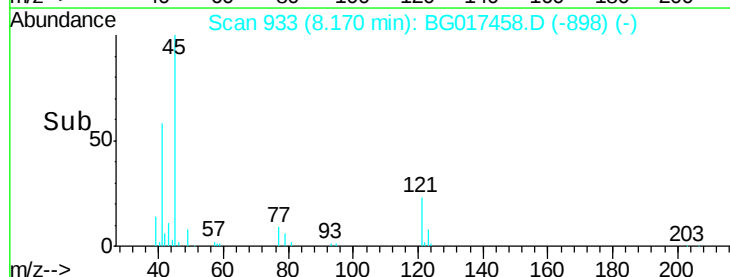
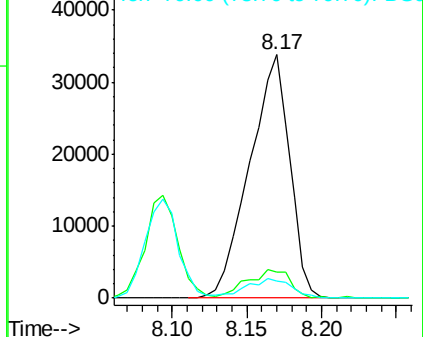
45 100

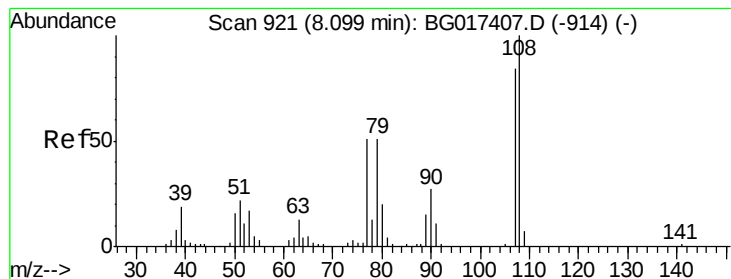
77 10.8 0.0 33.9

79 7.1 0.0 29.0



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: 42.37 ng

RT: 8.09 min Scan# 920

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 36074

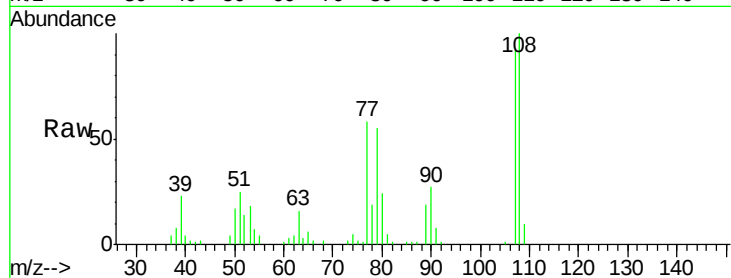
Ion Ratio Lower Upper

107 100

108 108.8 95.4 143.0

77 62.6 48.8 73.2

79 60.2 48.2 72.4

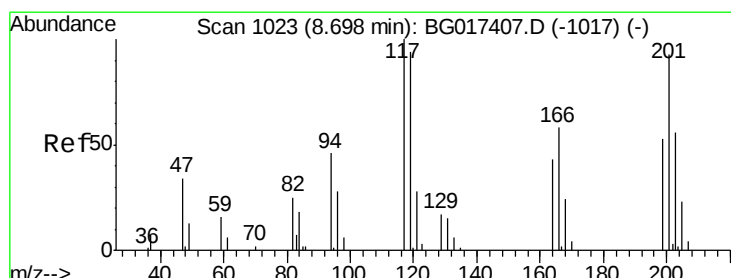
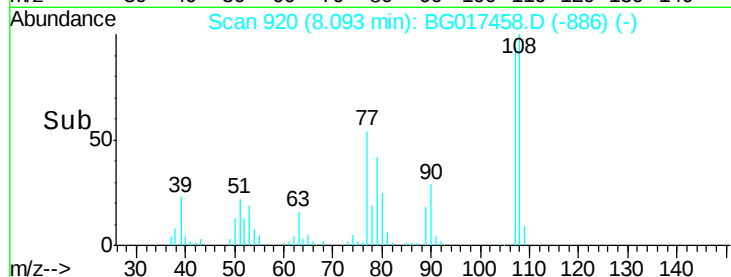
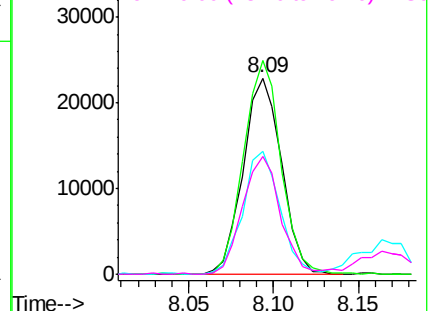


Abundance Ion 107.00 (106.70 to 107.70): E

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: 41.39 ng

RT: 8.70 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

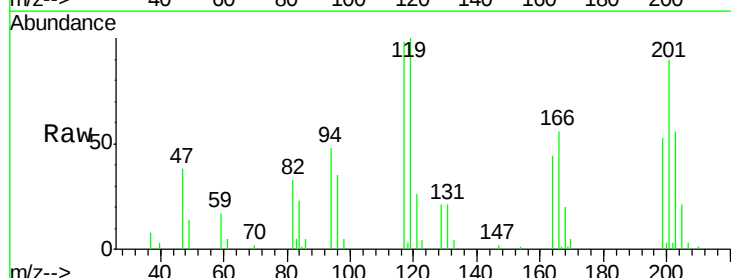
Tgt Ion:117 Resp: 18345

Ion Ratio Lower Upper

117 100

119 102.1 75.0 112.4

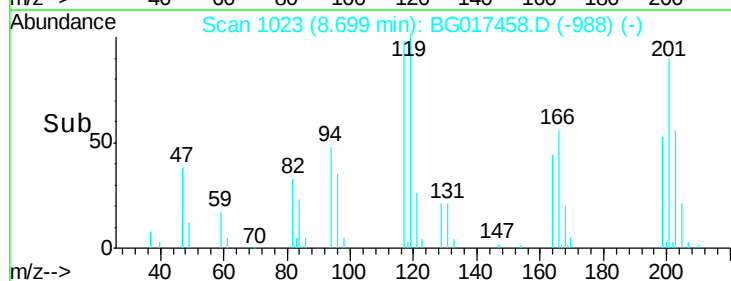
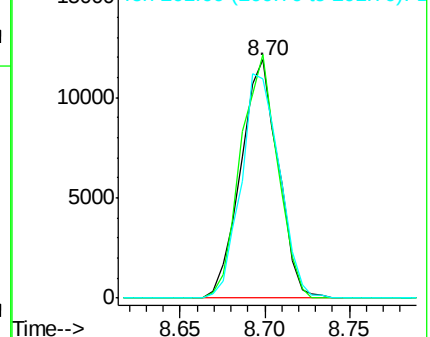
201 95.6 74.2 111.2

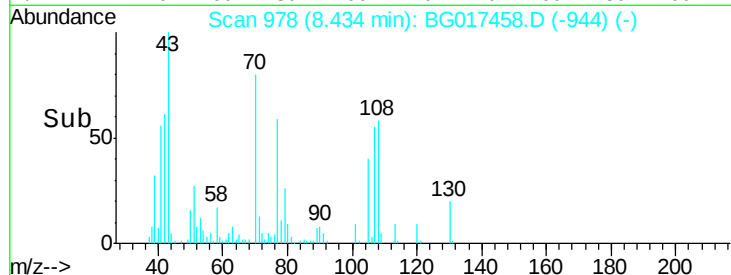
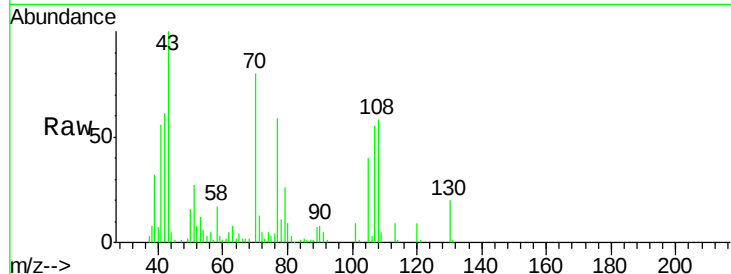
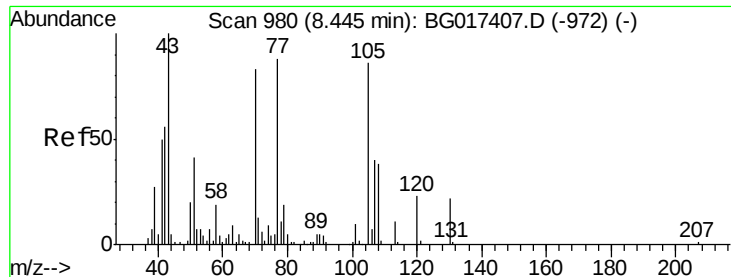


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

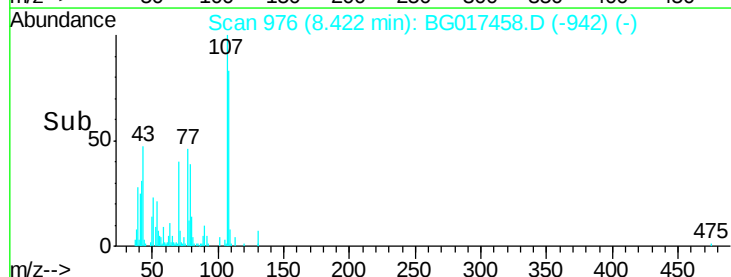
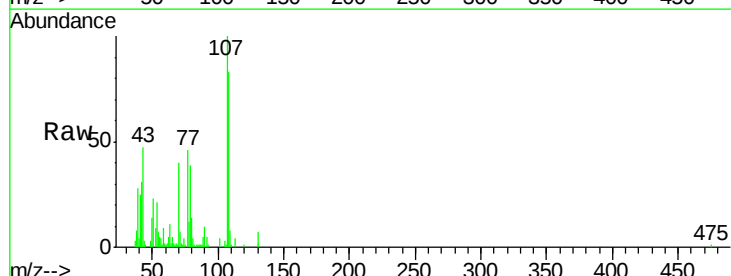
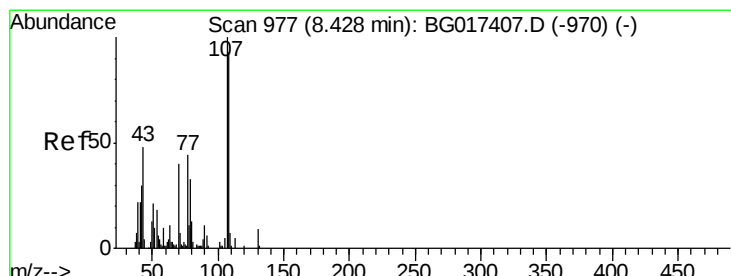
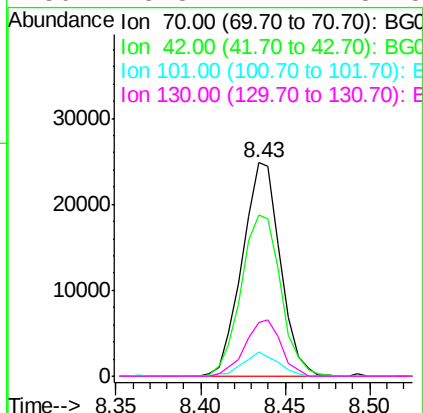




#19
n-Nitroso-di-n-propylamine
Concen: 42.26 ng
RT: 8.43 min Scan# 978
Delta R.T. -0.00 min
Lab File: BG017458.D
Acq: 5 Jun 2015 2:30

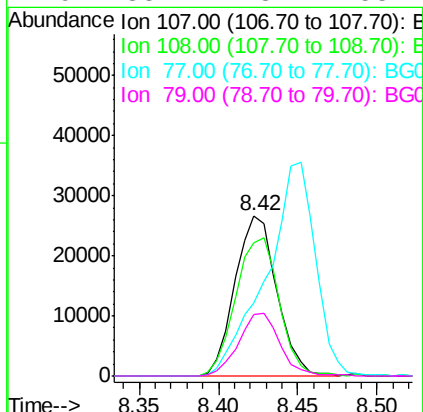
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

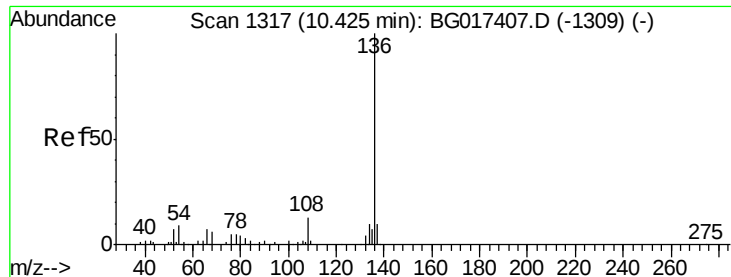
Tgt Ion:	70	Resp:	39065
Ion	Ratio	Lower	Upper
70	100		
42	75.5	53.8	80.8
101	11.5	9.5	14.3
130	25.3	21.2	31.8



#20
3+4-Methylphenols
Concen: 41.34 ng
RT: 8.42 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG017458.D
Acq: 5 Jun 2015 2:30

Tgt Ion:	107	Resp:	48703
Ion	Ratio	Lower	Upper
107	100		
108	82.9	73.0	113.0
77	45.6	23.9	63.9
79	38.7	13.4	53.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.42 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 62649

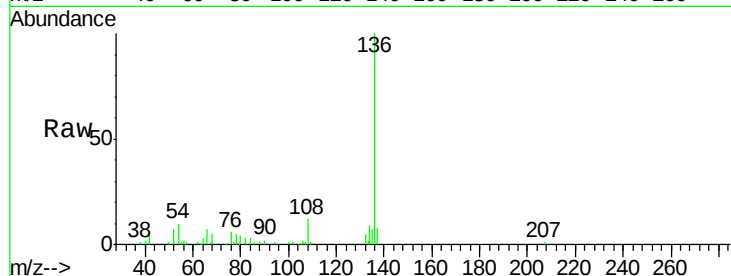
Ion Ratio Lower Upper

136 100

137 8.4 7.9 11.9

54 9.9 7.2 10.8

68 5.2 4.5 6.7

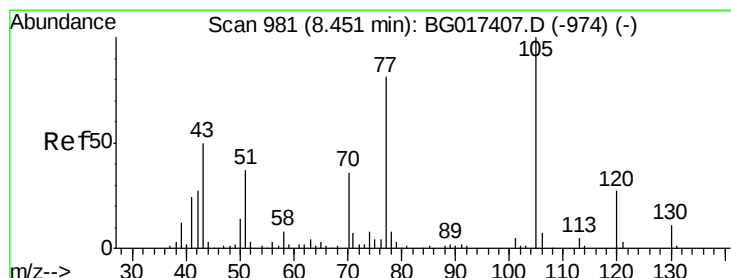
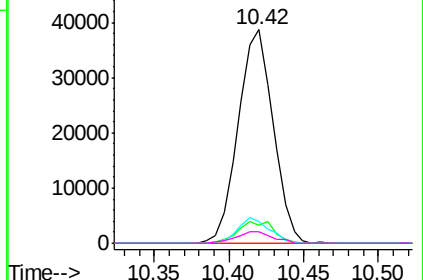
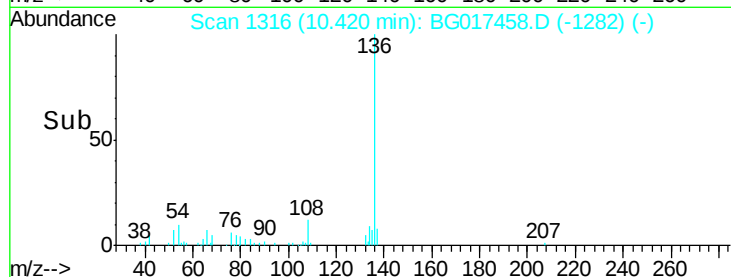


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.70 ng

RT: 8.45 min Scan# 981

Delta R.T. -0.00 min

Lab File: BG017458.D

Acq: 5 Jun 2015 2:30

Tgt Ion:105 Resp: 62504

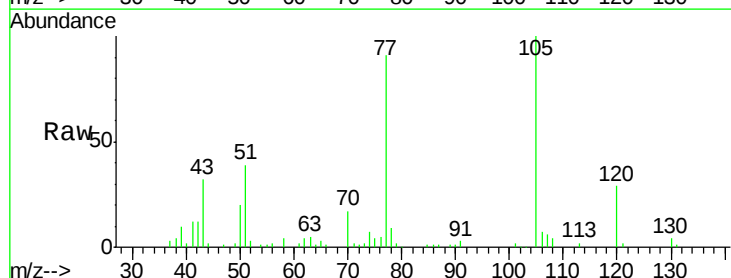
Ion Ratio Lower Upper

105 100

71 2.5 5.3 7.9#

51 39.1 32.4 48.6

120 29.1 21.4 32.2



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

