

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041315\
 Data File : BG016370.D
 Acq On : 13 Apr 2015 20:45
 Operator : TP/IZ
 Sample : PB82658BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB82658BS

Quant Time: Apr 14 02:30:41 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 02:12:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	82560	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	361996	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	209504	20.00	ng	0.00
63) Phenanthrene-d10	17.06	188	429232	20.00	ng	0.00
75) Chrysene-d12	21.24	240	384998	20.00	ng	0.00
86) Perylene-d12	23.47	264	371374	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	638405	122.04	ng	0.01
7) Phenol-d6	6.87	99	883328	112.48	ng	0.00
23) Nitrobenzene-d5	8.83	82	456049	72.98	ng	0.00
41) 2,4,6-Tribromophenol	15.81	330	175588	123.93	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	945009	76.80	ng	0.00
78) Terphenyl-d14	19.69	244	1141961	69.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.15	88	71344	30.00	ng	96
3) Pyridine	3.54	79	205549	28.92	ng	97
4) n-Nitrosodimethylamine	3.46	42	66410	31.43	ng	97
6) Aniline	7.01	93	208515	18.59	ng	97
8) 2-Chlorophenol	7.25	128	238349	37.94	ng	94
9) Benzaldehyde	6.82	77	51473	11.19	ng	96
10) Phenol	6.89	94	303967	36.18	ng	99
11) bis(2-Chloroethyl)ether	7.11	93	217343	32.44	ng	98
12) 1,3-Dichlorobenzene	7.56	146	222479	35.07	ng	97
13) 1,4-Dichlorobenzene	7.71	146	225225	34.22	ng	98
14) 1,2-Dichlorobenzene	8.03	146	218343	34.69	ng	97
15) Benzyl Alcohol	7.92	79	178678	32.64	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.21	45	237481	31.47	ng	99
17) 2-Methylphenol	8.13	107	200097	35.51	ng	99
18) Hexachloroethane	8.75	117	83373	33.12	ng	99
19) n-Nitroso-di-n-propylamine	8.48	70	156686	27.85	ng	95
20) 3+4-Methylphenols	8.46	107	271610	34.80	ng	98
22) Acetophenone	8.50	105	298763	35.59	ng	# 97
24) Nitrobenzene	8.87	77	227854	34.10	ng	93
25) Isophorone	9.39	82	438348	31.59	ng	99
26) 2-Nitrophenol	9.58	139	126557	40.61	ng	98
27) 2,4-Dimethylphenol	9.65	122	228302	39.33	ng	100
28) bis(2-Chloroethoxy)methane	9.88	93	272711	34.43	ng	99
29) 2,4-Dichlorophenol	10.12	162	195430	42.55	ng	97
30) 1,2,4-Trichlorobenzene	10.33	180	184841	38.55	ng	98
31) Naphthalene	10.51	128	674286	35.75	ng	99
32) Benzoic acid	9.78	122	111477	32.82	ng	95
33) 4-Chloroaniline	10.63	127	140351	15.86	ng	99
34) Hexachlorobutadiene	10.80	225	79948	37.96	ng	97
35) Caprolactam	11.39	113	61262	21.19	ng	96
36) 4-Chloro-3-methylphenol	11.77	107	230335	37.96	ng	95
37) 2-Methylnaphthalene	12.13	142	488104	35.97	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	167759	36.37	ng	99
40) Hexachlorocyclopentadiene	12.48	237	165115	78.20	ng	98

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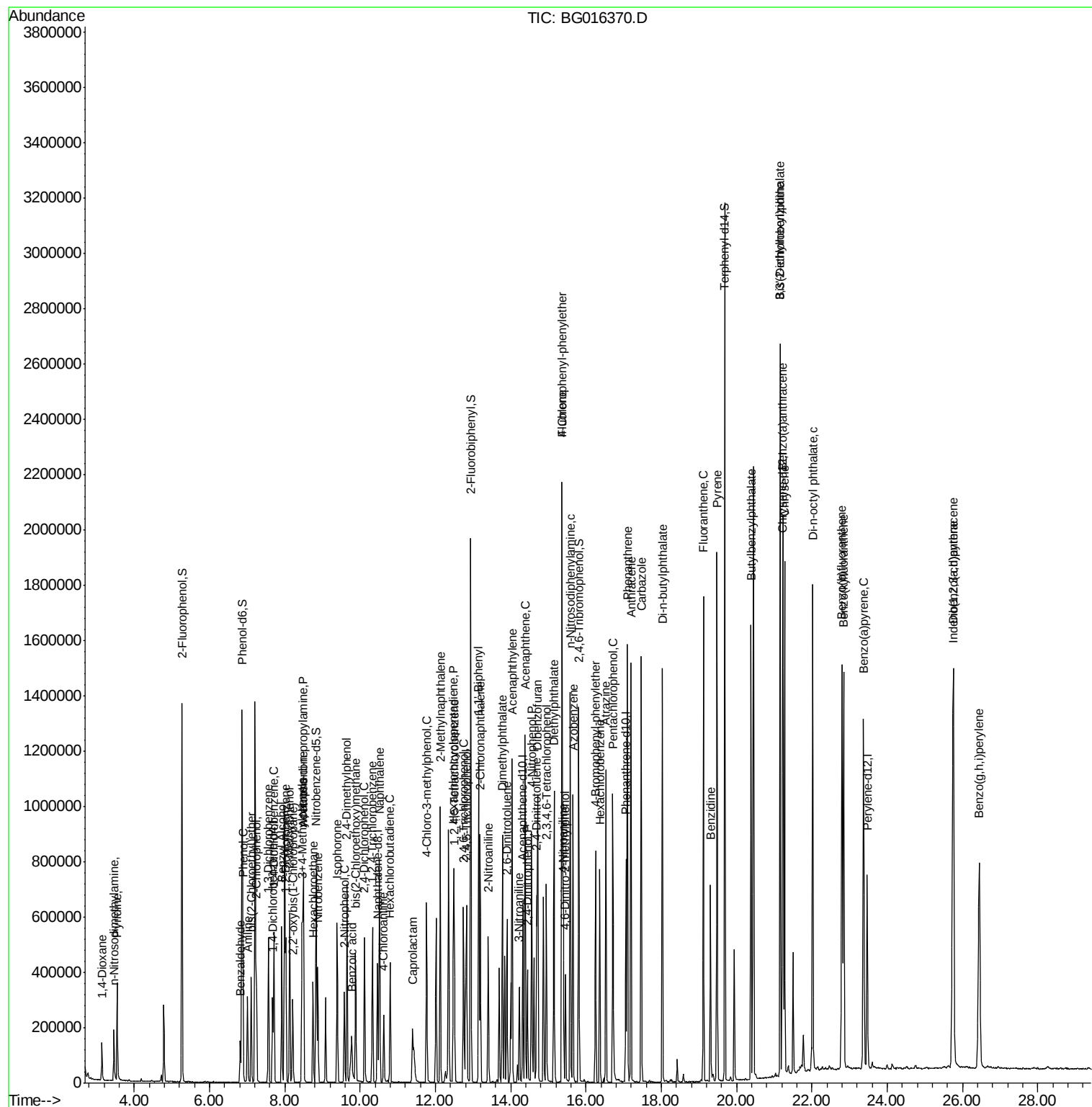
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.75	196	136312	39.77	ng	98
43) 2,4,5-Trichlorophenol	12.82	196	149215	40.74	ng	97
45) 1,1'-Biphenyl	13.15	154	588953	36.65	ng	98
46) 2-Chloronaphthalene	13.19	162	445014	36.35	ng	98
47) 2-Nitroaniline	13.40	65	141164	35.77	ng	95
48) Acenaphthylene	14.04	152	767143	35.24	ng	100
49) Dimethylphthalate	13.78	163	551413	35.91	ng	99
50) 2,6-Dinitrotoluene	13.90	165	137336	36.98	ng	94
51) Acenaphthene	14.39	154	464041	35.67	ng	96
52) 3-Nitroaniline	14.23	138	102375	21.59	ng	92
53) 2,4-Dinitrophenol	14.44	184	102566	51.06	ng	97
54) Dibenzofuran	14.71	168	662733	36.71	ng	99
55) 4-Nitrophenol	14.56	139	299819	76.50	ng	98
56) 2,4-Dinitrotoluene	14.69	165	194240	38.40	ng	94
57) Fluorene	15.37	166	575751	36.15	ng	100
58) 2,3,4,6-Tetrachlorophenol	14.95	232	118652	41.98	ng	94
59) Diethylphthalate	15.15	149	586529	35.89	ng	99
60) 4-Chlorophenyl-phenylether	15.36	204	238801	36.66	ng	97
61) 4-Nitroaniline	15.40	138	189601	35.22	ng	97
62) Azobenzene	15.65	77	597921	34.37	ng	99
64) 4,6-Dinitro-2-methylphenol	15.46	198	95532	32.95	ng	92
65) n-Nitrosodiphenylamine	15.58	169	525806	36.24	ng	99
66) 4-Bromophenyl-phenylether	16.25	248	128506	37.50	ng	96
67) Hexachlorobenzene	16.37	284	130944	36.76	ng	99
68) Atrazine	16.53	200	165096	40.82	ng	99
69) Pentachlorophenol	16.72	266	159303	73.24	ng	97
70) Phenanthrene	17.10	178	877037	36.33	ng	99
71) Anthracene	17.19	178	882507	36.89	ng	99
72) Carbazole	17.46	167	923114	38.44	ng	99
73) Di-n-butylphthalate	18.03	149	1080528	36.77	ng	100
74) Fluoranthene	19.12	202	921373	37.03	ng	97
76) Benzidine	19.31	184	372471	22.81	ng	98
77) Pyrene	19.48	202	961587	35.87	ng	99
79) Butylbenzylphthalate	20.38	149	510479	38.76	ng	95
80) Benzo(a)anthracene	21.22	228	836002	36.74	ng	99
81) 3,3'-Dichlorobenzidine	21.16	252	174733	23.35	ng	99
82) Chrysene	21.28	228	800962	36.46	ng	99
83) Bis(2-ethylhexyl)phthalate	21.15	149	707039	39.65	ng	99
84) Di-n-octyl phthalate	22.02	149	1194272	41.11	ng	98
85) Indeno(1,2,3-cd)pyrene	25.74	276	887851	38.91	ng	99
87) Benzo(b)fluoranthene	22.80	252	823657	37.87	ng	99
88) Benzo(k)fluoranthene	22.84	252	764188	35.90	ng	98
89) Benzo(a)pyrene	23.38	252	781374	38.33	ng	100
90) Dibenzo(a,h)anthracene	25.76	278	741070	37.36	ng	99
91) Benzo(g,h,i)perylene	26.45	276	753760	38.04	ng	98

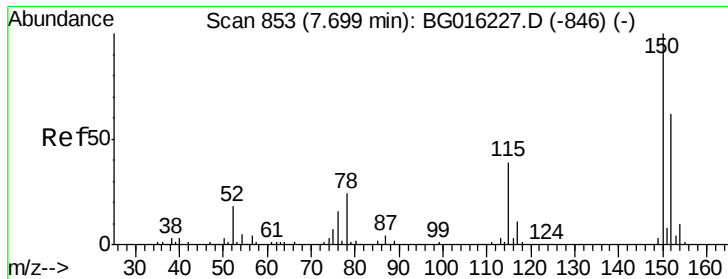
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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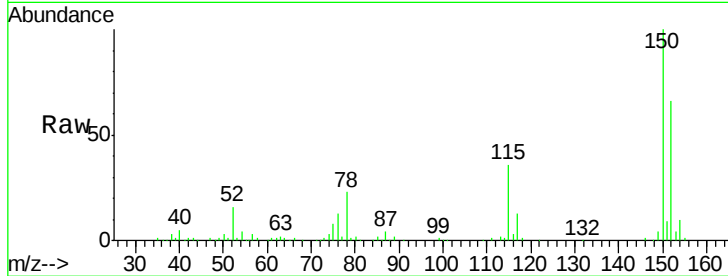


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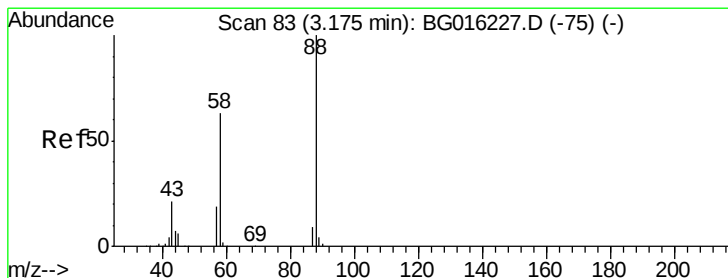
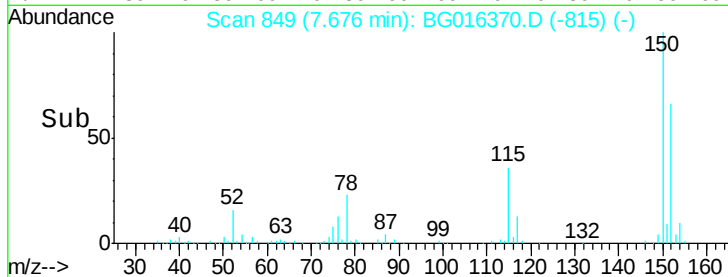
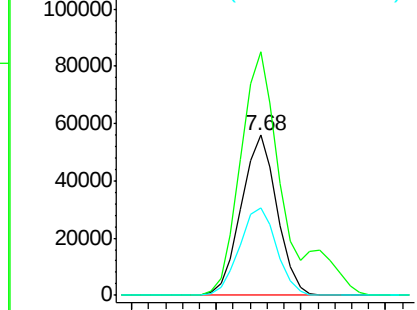
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.68 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BG016370.D
 Acq: 13 Apr 2015 20:45

Instrument :
 BNA_G
 ClientSampleId :
 PB82658BS

Tgt Ion:152 Resp: 82560
 Ion Ratio Lower Upper
 152 100
 150 152.4 130.1 195.1
 115 54.3 50.5 75.7



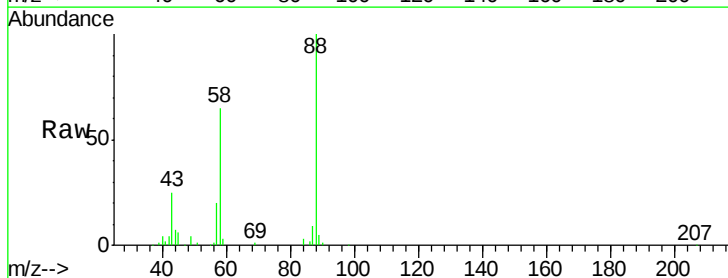
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



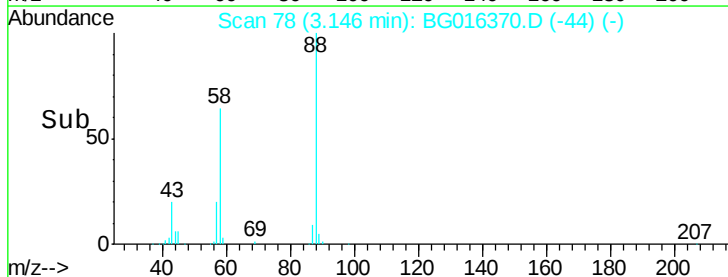
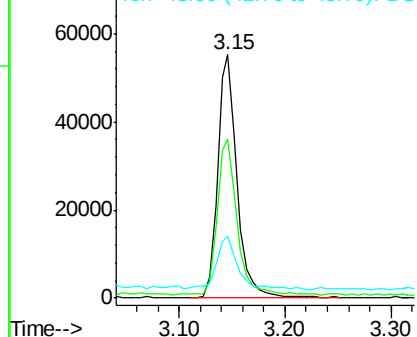
#2

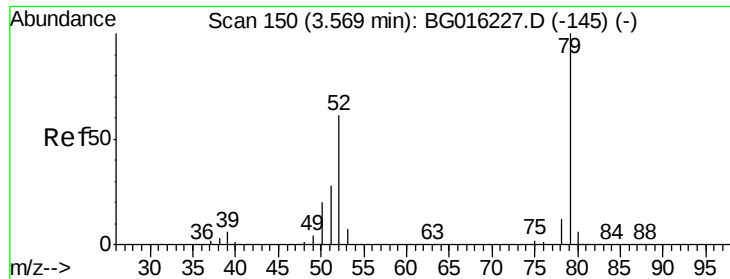
1,4-Dioxane
 Concen: 30.00 ng
 RT: 3.15 min Scan# 78
 Delta R.T. 0.00 min
 Lab File: BG016370.D
 Acq: 13 Apr 2015 20:45

Tgt Ion: 88 Resp: 71344
 Ion Ratio Lower Upper
 88 100
 58 65.6 50.6 76.0
 43 24.3 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: 28.92 ng

RT: 3.54 min Scan# 145

Delta R.T. 0.00 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

Instrument :

BNA_G

ClientSampleId :

PB82658BS

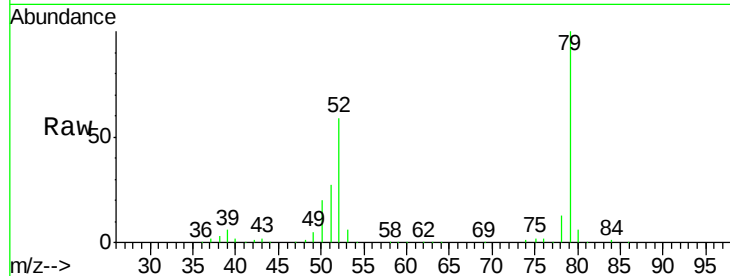
Tgt Ion: 79 Resp: 205549

Ion Ratio Lower Upper

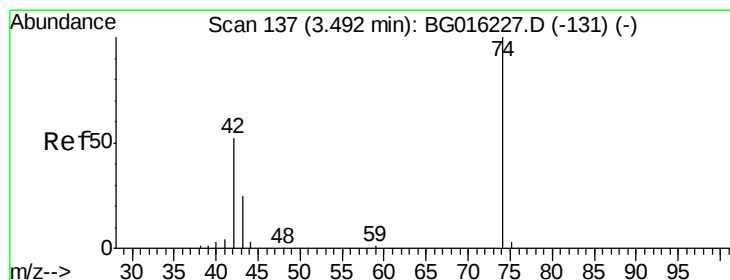
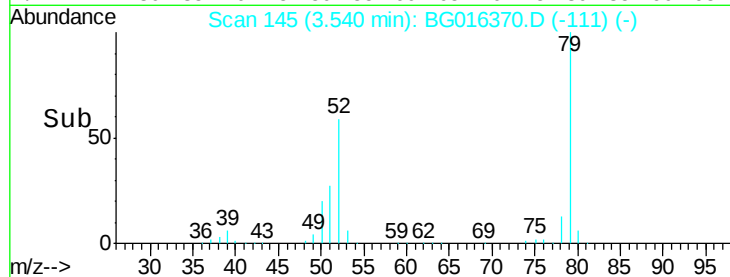
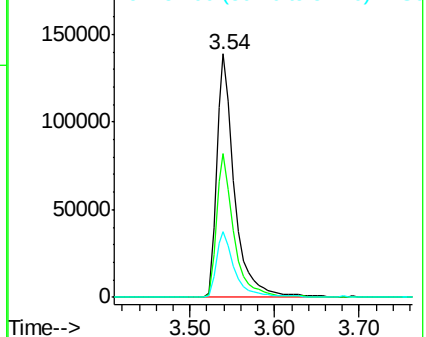
79 100

52 59.0 49.0 73.4

51 27.1 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: 31.43 ng

RT: 3.46 min Scan# 132

Delta R.T. 0.00 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

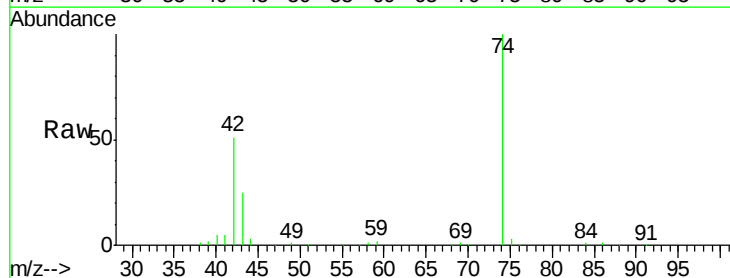
Tgt Ion: 42 Resp: 66410

Ion Ratio Lower Upper

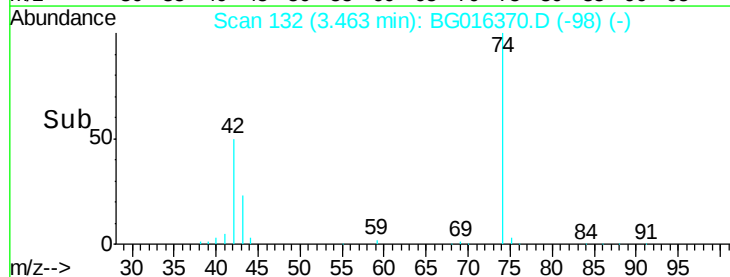
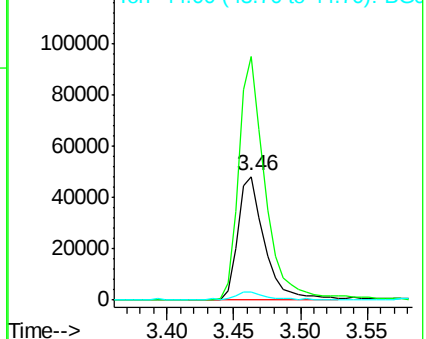
42 100

74 197.2 153.7 230.5

44 6.2 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: 122.04 ng

RT: 5.27 min Scan# 439

Delta R.T. 0.01 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

Instrument :

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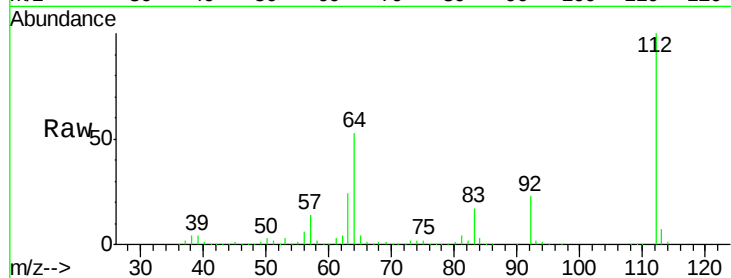
Tgt Ion: 112 Resp: 638405

Ion Ratio Lower Upper

112 100

64 53.3 44.5 66.7

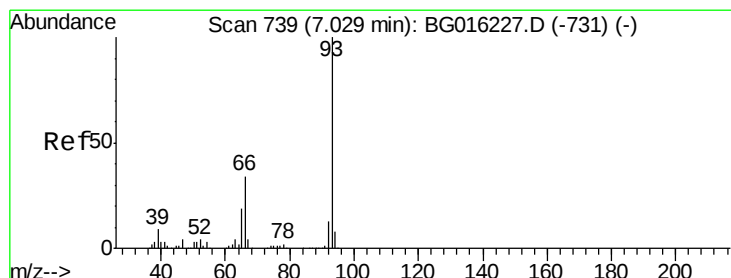
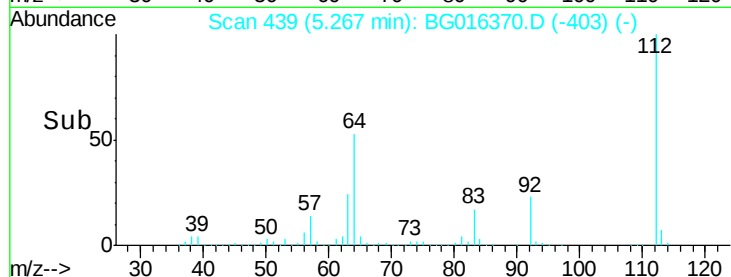
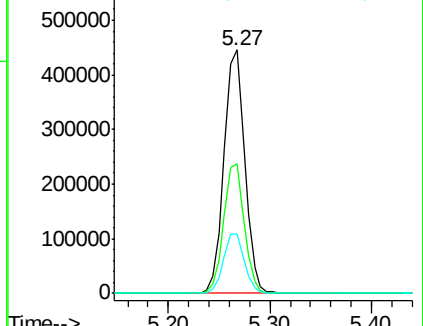
63 24.5 21.4 32.0



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: 18.59 ng

RT: 7.01 min Scan# 735

Delta R.T. 0.00 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

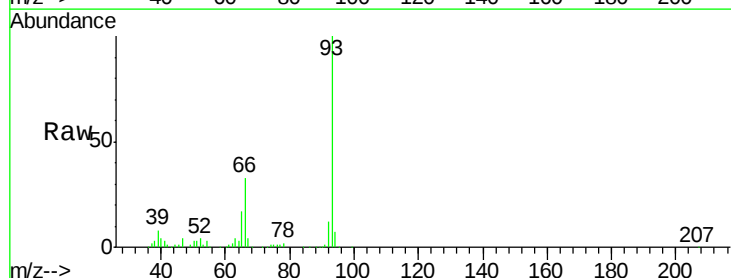
Tgt Ion: 93 Resp: 208515

Ion Ratio Lower Upper

93 100

66 33.1 27.5 41.3

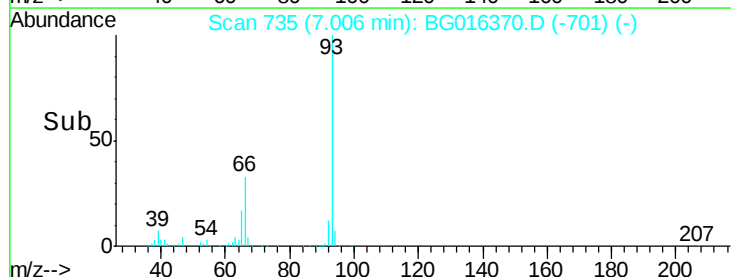
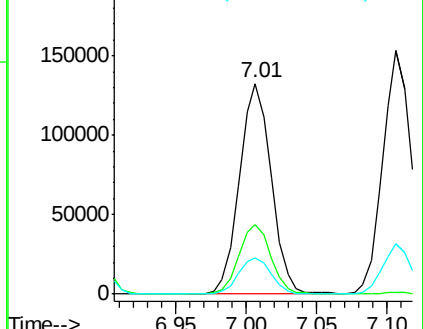
65 17.3 15.1 22.7

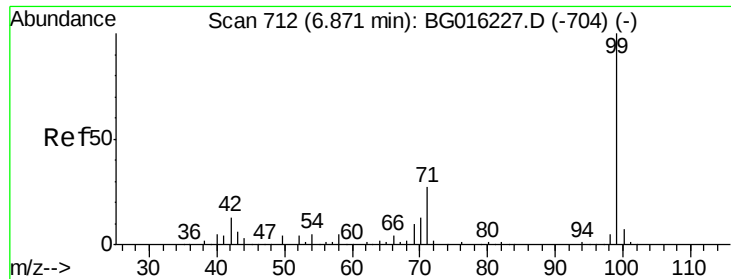


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 112.48 ng

RT: 6.87 min Scan# 711

Delta R.T. 0.01 min

Lab File: BG016370.D

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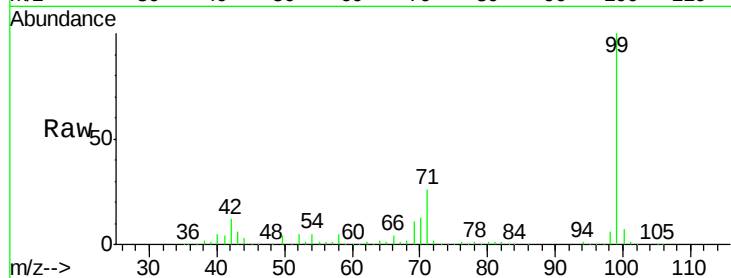
Tgt Ion: 99 Resp: 883328

Ion Ratio Lower Upper

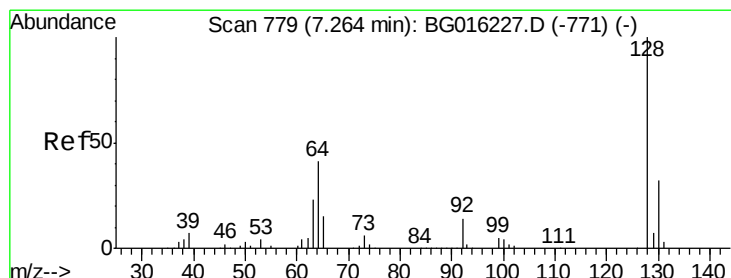
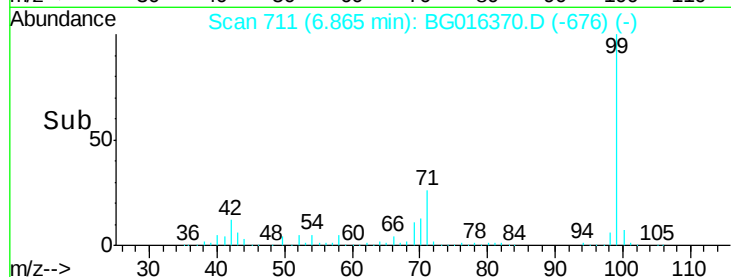
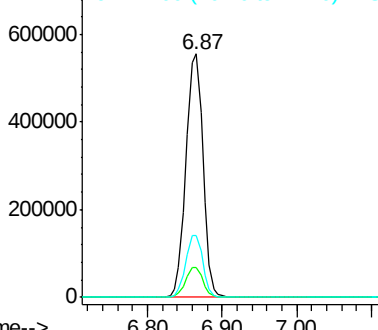
99 100

42 12.4 10.0 15.0

71 25.6 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: 37.94 ng

RT: 7.25 min Scan# 776

Delta R.T. 0.01 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

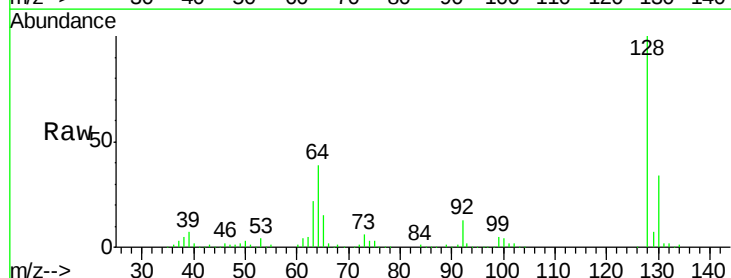
Tgt Ion: 128 Resp: 238349

Ion Ratio Lower Upper

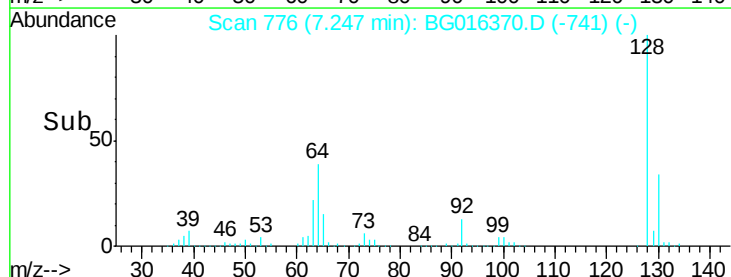
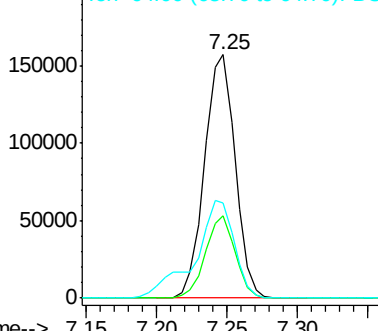
128 100

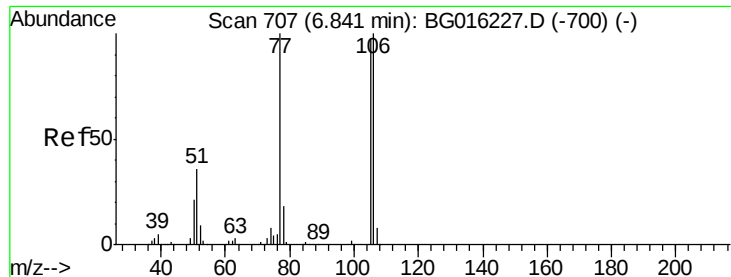
130 33.6 11.6 51.6

64 39.2 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: 11.19 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG016370.D

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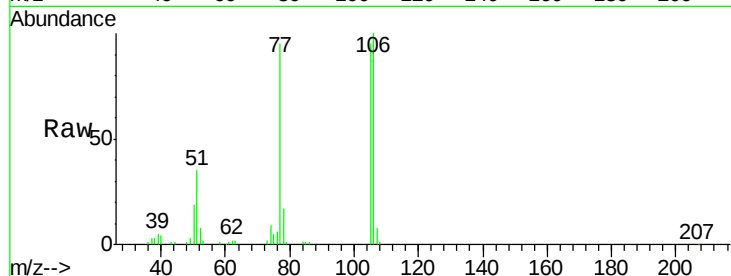
Tgt Ion: 77 Resp: 51473

Ion Ratio Lower Upper

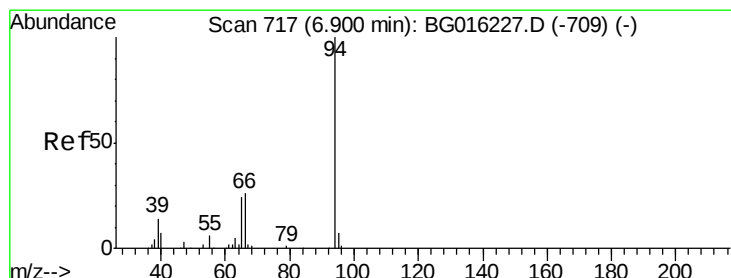
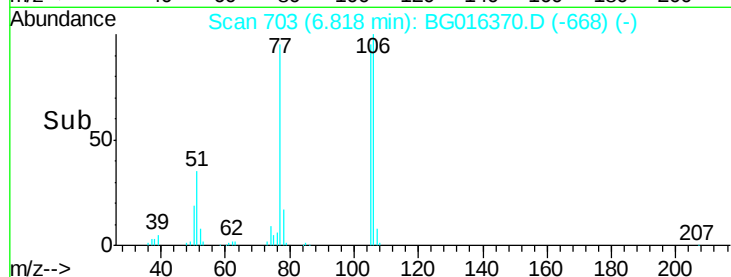
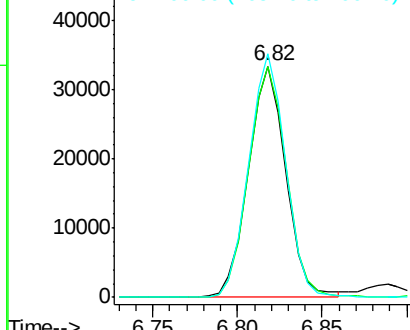
77 100

105 99.9 76.8 116.8

106 105.2 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: 36.18 ng

RT: 6.89 min Scan# 715

Delta R.T. 0.01 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

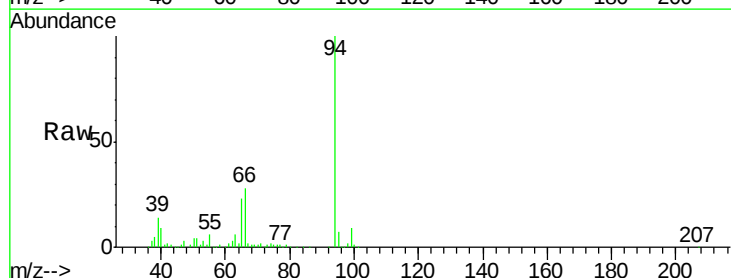
Tgt Ion: 94 Resp: 303967

Ion Ratio Lower Upper

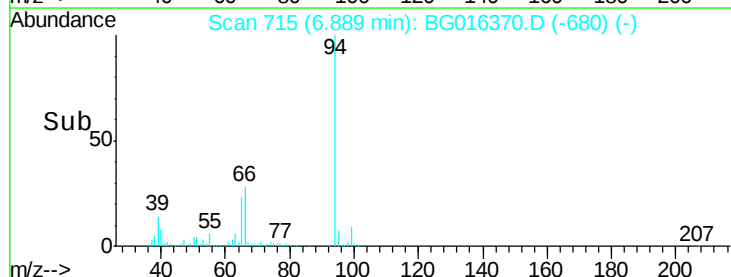
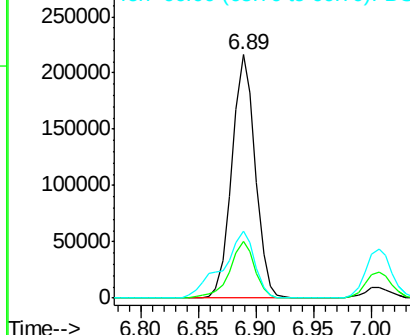
94 100

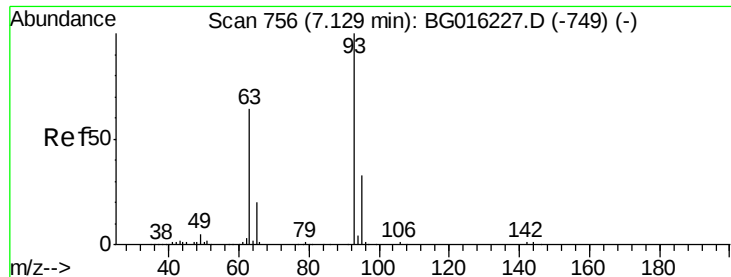
65 23.4 3.8 43.8

66 27.6 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

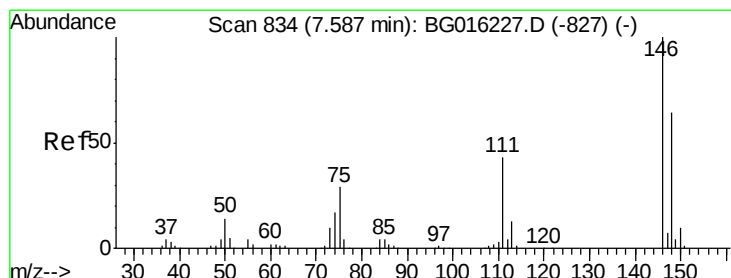
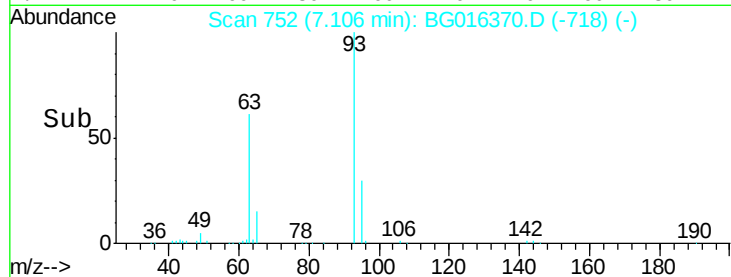
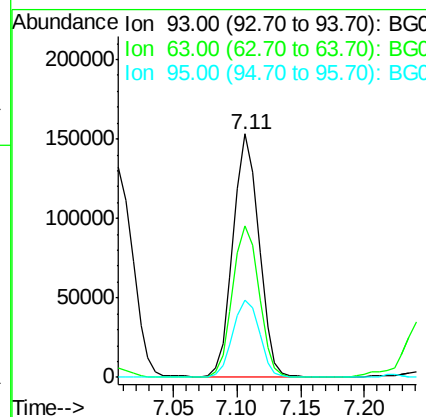
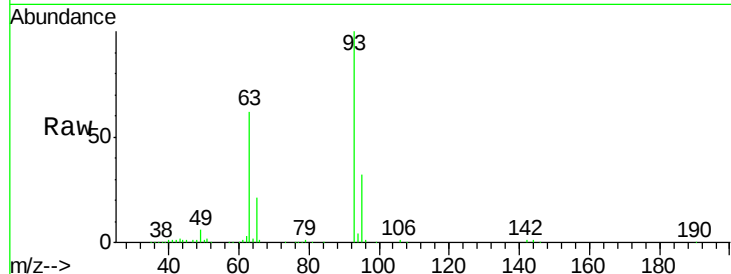




#11
 bis(2-Chloroethyl)ether
 Concen: 32.44 ng
 RT: 7.11 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BG016370.D
 Acq: 13 Apr 2015 20:45

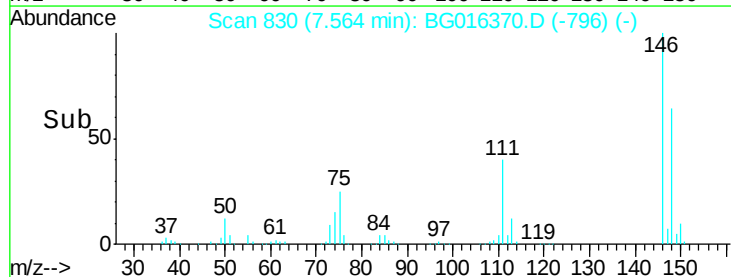
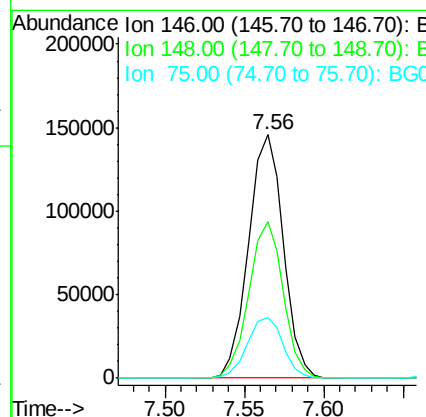
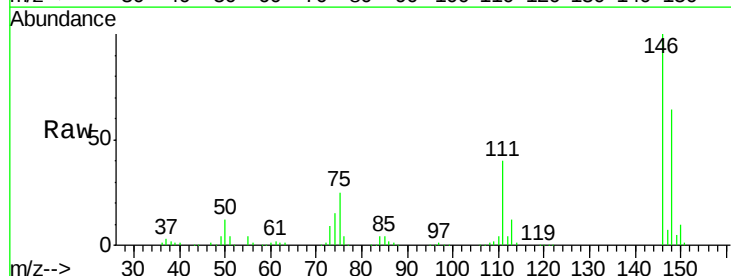
Instrument :
 BNA_G
 ClientSampleId :
 PB82658BS

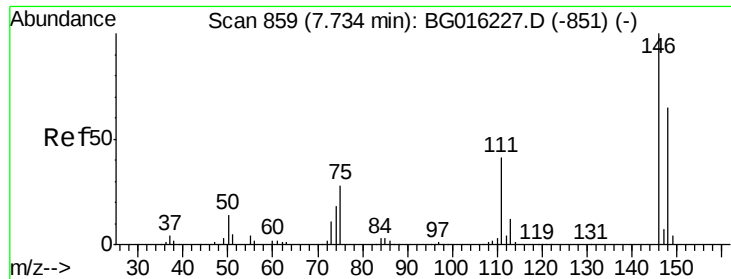
Tgt Ion: 93 Resp: 217343
 Ion Ratio Lower Upper
 93 100
 63 62.2 44.1 84.1
 95 31.5 12.5 52.5



#12
 1,3-Dichlorobenzene
 Concen: 35.07 ng
 RT: 7.56 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BG016370.D
 Acq: 13 Apr 2015 20:45

Tgt Ion: 146 Resp: 222479
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.9 76.3
 75 25.0 23.3 34.9

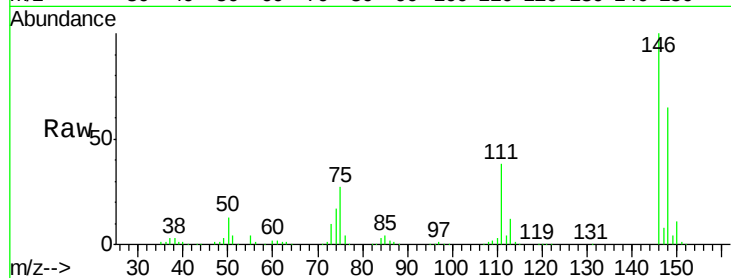




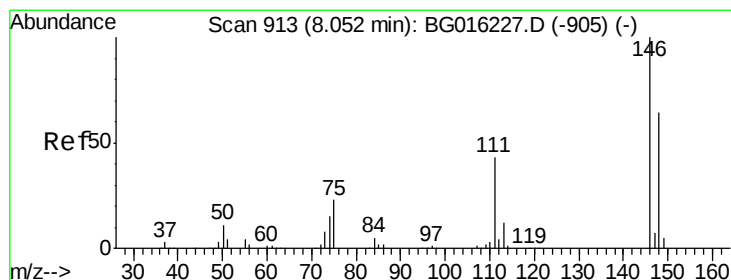
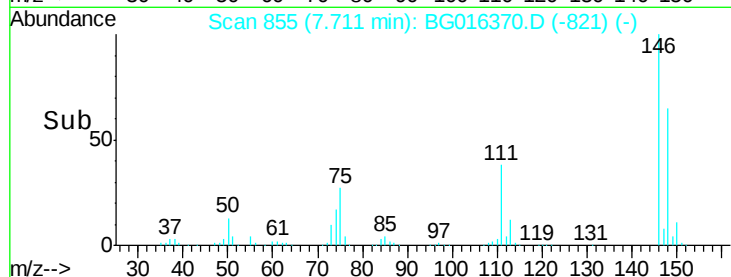
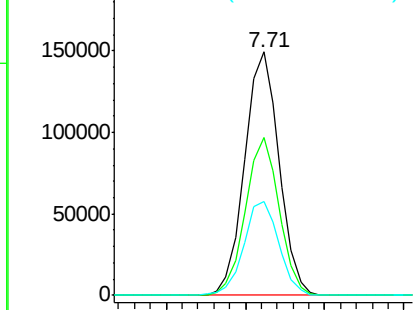
#13
 1,4-Dichlorobenzene
 Concen: 34.22 ng
 RT: 7.71 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: BG016370.D
 Acq: 13 Apr 2015 20:45

Instrument :
 BNA_G
 ClientSampleId :
 PB82658BS

Tgt Ion:146 Resp: 225225
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.0 78.0
 111 38.5 32.6 49.0

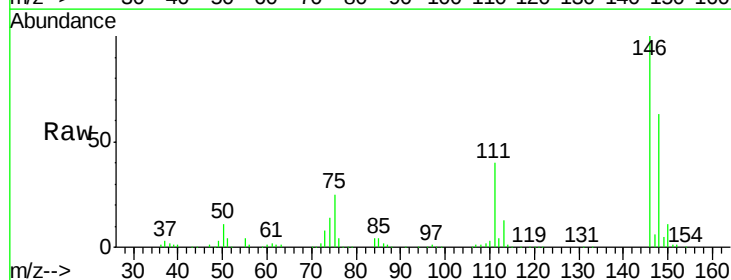


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

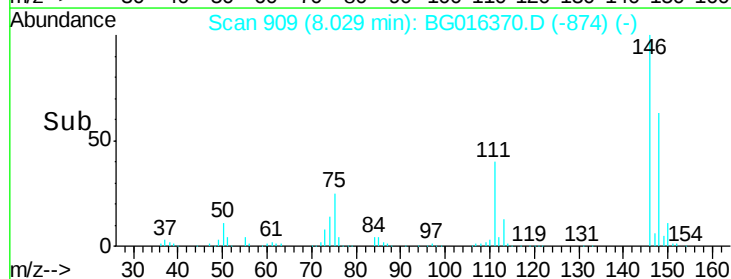
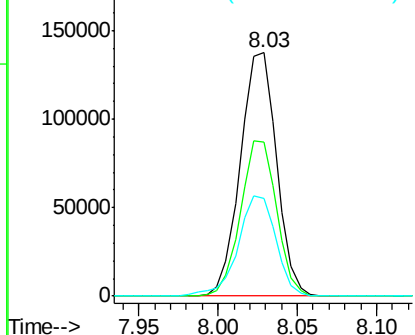


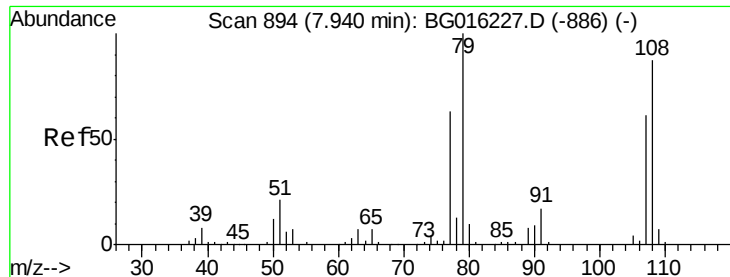
#14
 1,2-Dichlorobenzene
 Concen: 34.69 ng
 RT: 8.03 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: BG016370.D
 Acq: 13 Apr 2015 20:45

Tgt Ion:146 Resp: 218343
 Ion Ratio Lower Upper
 146 100
 148 63.1 50.9 76.3
 111 40.0 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: 32.64 ng

RT: 7.92 min Scan# 890

Delta R.T. 0.00 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

Instrument :

BNA_G

ClientSampleId :

PB82658BS

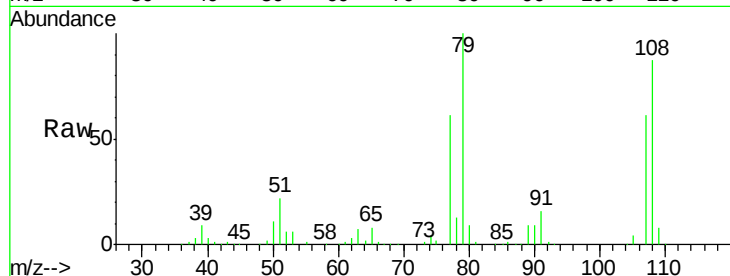
Tgt Ion: 79 Resp: 178678

Ion Ratio Lower Upper

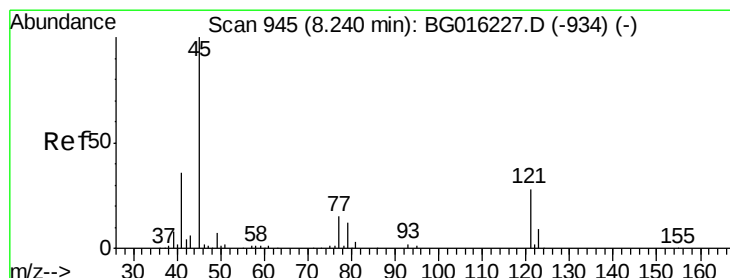
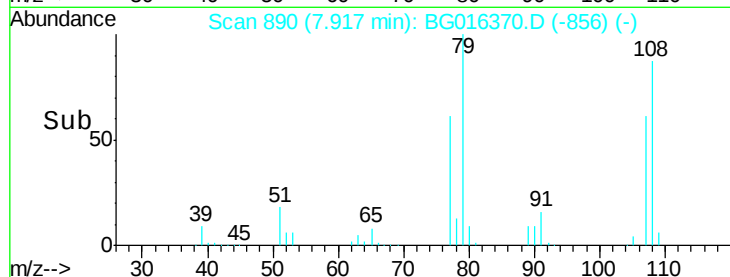
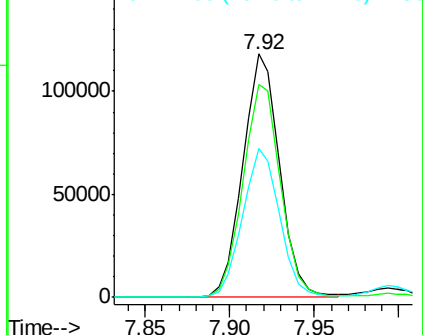
79 100

108 87.2 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: 31.47 ng

RT: 8.21 min Scan# 940

Delta R.T. 0.00 min

Lab File: BG016370.D

Acq: 13 Apr 2015 20:45

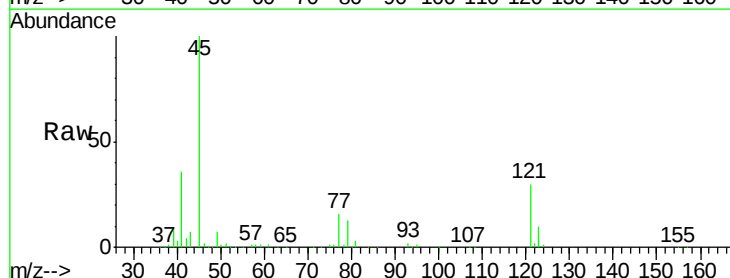
Tgt Ion: 45 Resp: 237481

Ion Ratio Lower Upper

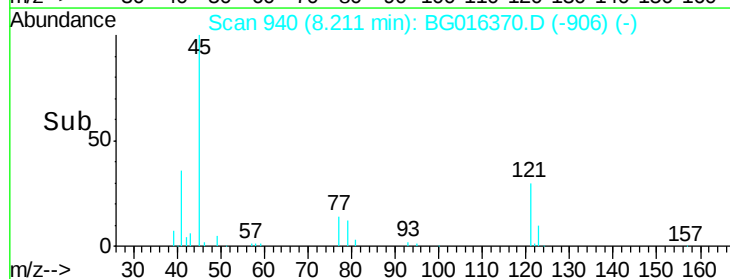
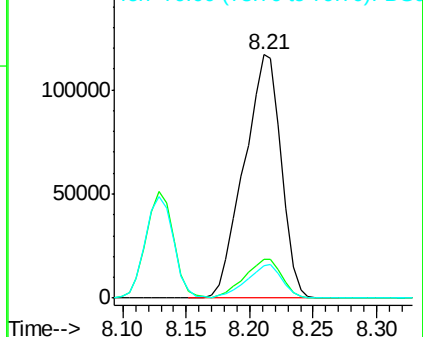
45 100

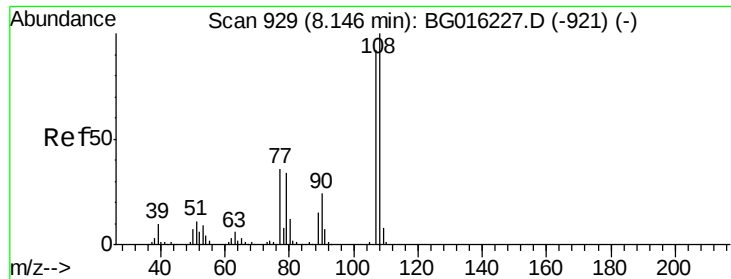
77 15.7 0.0 35.3

79 13.1 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

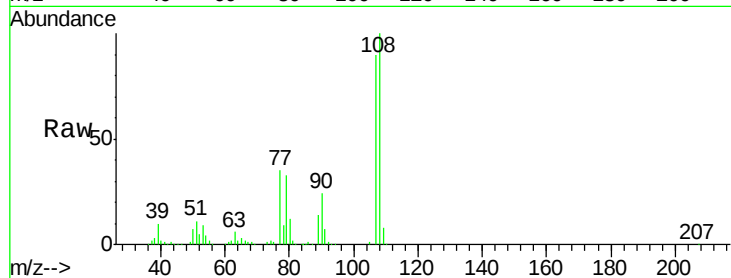




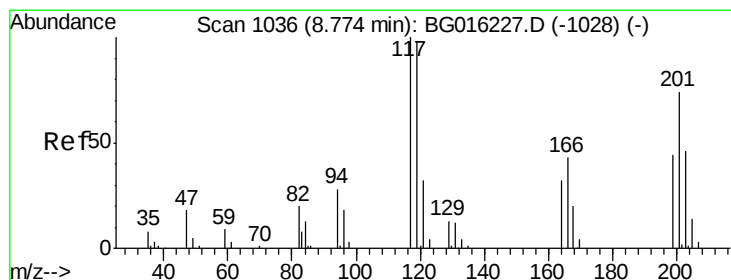
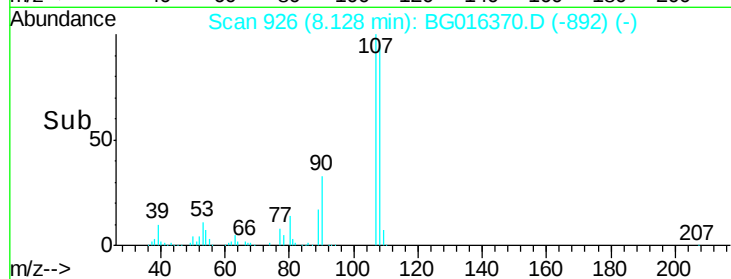
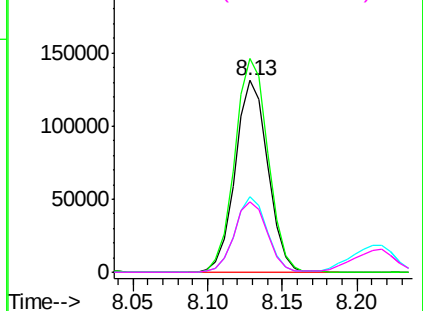
#17
2-Methylphenol
Concen: 35.51 ng
RT: 8.13 min Scan# 926
Delta R.T. 0.00 min
Lab File: BG016370.D
Acq: 13 Apr 2015 20:45

Instrument :
BNA_G
ClientSampleId :
PB82658BS

Tgt Ion:	107	Resp:	200097
Ion	Ratio	Lower	Upper
107	100		
108	111.4	87.2	130.8
77	39.1	31.1	46.7
79	37.0	29.7	44.5

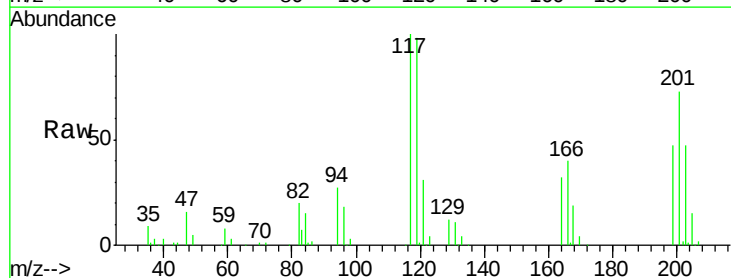


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

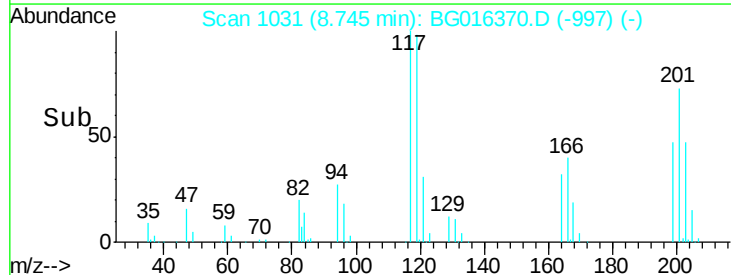
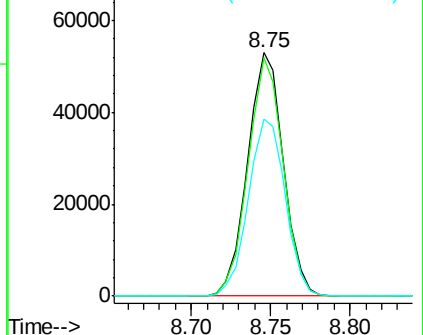


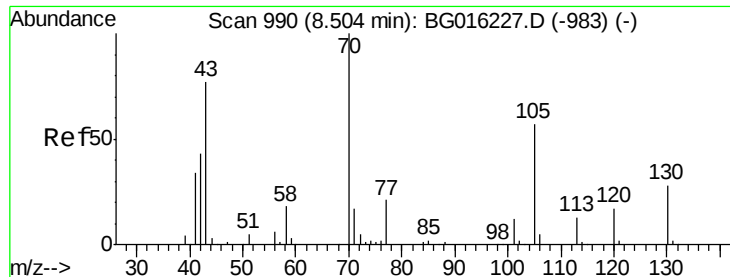
#18
Hexachloroethane
Concen: 33.12 ng
RT: 8.75 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BG016370.D
Acq: 13 Apr 2015 20:45

Tgt Ion:	117	Resp:	83373
Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.8	118.2
201	73.0	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

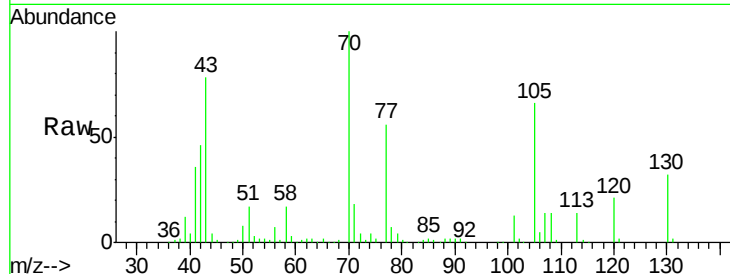




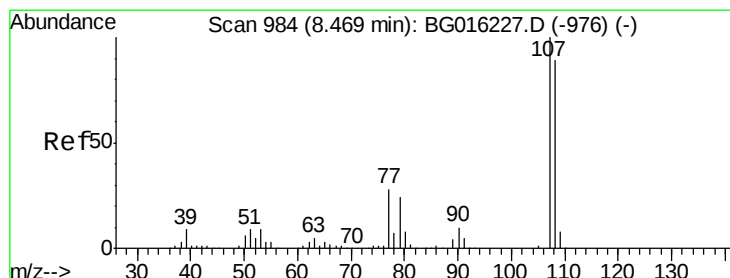
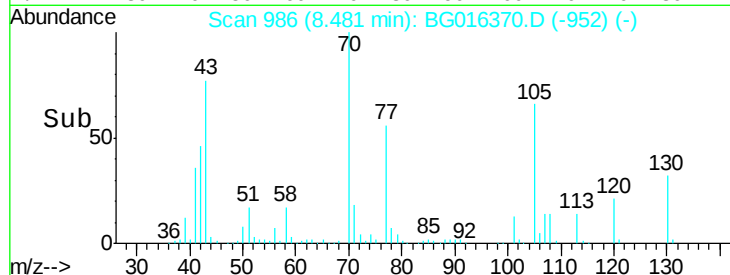
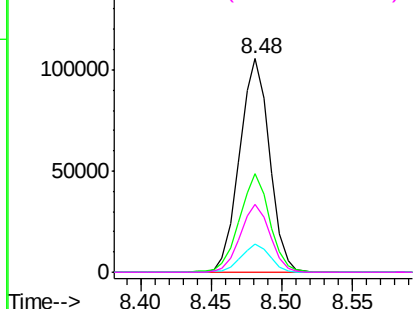
#19
n-Nitroso-di-n-propylamine
Concen: 27.85 ng
RT: 8.48 min Scan# 986
Delta R.T. 0.00 min
Lab File: BG016370.D
Acq: 13 Apr 2015 20:45

Instrument :
BNA_G
ClientSampleId :
PB82658BS

Tgt Ion: 70 Resp: 156686
Ion Ratio Lower Upper
70 100
42 45.9 34.7 52.1
101 13.4 9.2 13.8
130 31.8 22.6 33.8

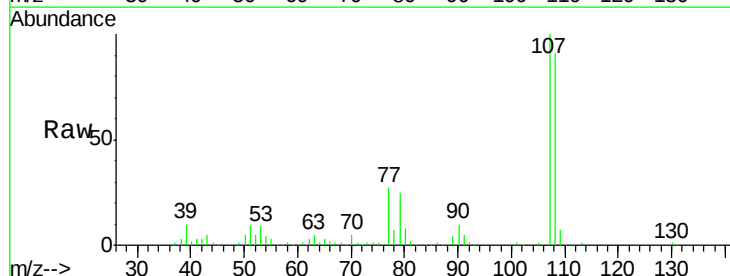


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 34.80 ng
RT: 8.46 min Scan# 982
Delta R.T. 0.00 min
Lab File: BG016370.D
Acq: 13 Apr 2015 20:45

Tgt Ion: 107 Resp: 271610
Ion Ratio Lower Upper
107 100
108 90.7 69.5 109.5
77 26.8 8.2 48.2
79 25.2 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

