

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042115\
 Data File : BG016596.D
 Acq On : 21 Apr 2015 22:42
 Operator : TP/IZ
 Sample : PB82885BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB82885BS

Quant Time: Apr 22 04:45:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 02:10:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	55803	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	234419	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	126778	20.00	ng	0.00
63) Phenanthrene-d10	17.02	188	279783	20.00	ng	0.00
75) Chrysene-d12	21.21	240	305838	20.00	ng	0.00
86) Perylene-d12	23.42	264	291519	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	458354	131.64	ng	0.00
7) Phenol-d6	6.83	99	619434	127.34	ng	0.00
23) Nitrobenzene-d5	8.79	82	314748	82.67	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	118130	137.19	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	670561	87.60	ng	0.00
78) Terphenyl-d14	19.66	244	998411	78.65	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.10	88	55579	35.50 ng	94
3) Pyridine	3.49	79	148676	34.33 ng	98
4) n-Nitrosodimethylamine	3.42	42	49560	38.22 ng	99
6) Aniline	6.97	93	165628	24.65 ng	98
8) 2-Chlorophenol	7.21	128	173734	41.80 ng	97
9) Benzaldehyde	6.78	77	14464	6.53 ng	94
10) Phenol	6.85	94	217784	42.33 ng	98
11) bis(2-Chloroethyl)ether	7.07	93	155976	38.72 ng	98
12) 1,3-Dichlorobenzene	7.52	146	169764	39.12 ng	98
13) 1,4-Dichlorobenzene	7.67	146	170358	38.56 ng	99
14) 1,2-Dichlorobenzene	7.98	146	162321	38.62 ng	99
15) Benzyl Alcohol	7.88	79	120857	39.04 ng	98
16) 2,2'-oxybis(1-Chloropropan	8.18	45	154292	39.55 ng	97
17) 2-Methylphenol	8.09	107	141573	40.83 ng	99
18) Hexachloroethane	8.70	117	62469	39.38 ng	97
19) n-Nitroso-di-n-propylamine	8.44	70	107949	34.32 ng	97
20) 3+4-Methylphenols	8.42	107	189703	39.72 ng	99
22) Acetophenone	8.46	105	214425	41.07 ng	98
24) Nitrobenzene	8.83	77	159273	40.20 ng	98
25) Isophorone	9.35	82	290084	37.22 ng	99
26) 2-Nitrophenol	9.54	139	89350	40.84 ng	98
27) 2,4-Dimethylphenol	9.62	122	161748	43.48 ng	97
28) bis(2-Chloroethoxy)methane	9.84	93	187211	40.06 ng	100
29) 2,4-Dichlorophenol	10.08	162	137982	44.86 ng	99
30) 1,2,4-Trichlorobenzene	10.28	180	134070	40.99 ng	97
31) Naphthalene	10.47	128	486532	39.76 ng	99
32) Benzoic acid	9.77	122	29520	28.60 ng	98
33) 4-Chloroaniline	10.59	127	104556	18.68 ng	97
34) Hexachlorobutadiene	10.76	225	58255	40.08 ng	99
35) Caprolactam	11.35	113	35626	20.00 ng	94
36) 4-Chloro-3-methylphenol	11.73	107	155418	41.84 ng	99
37) 2-Methylnaphthalene	12.09	142	349589	39.90 ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.46	216	121623	41.70 ng	99
40) Hexachlorocyclopentadiene	12.44	237	98218	78.41 ng	97

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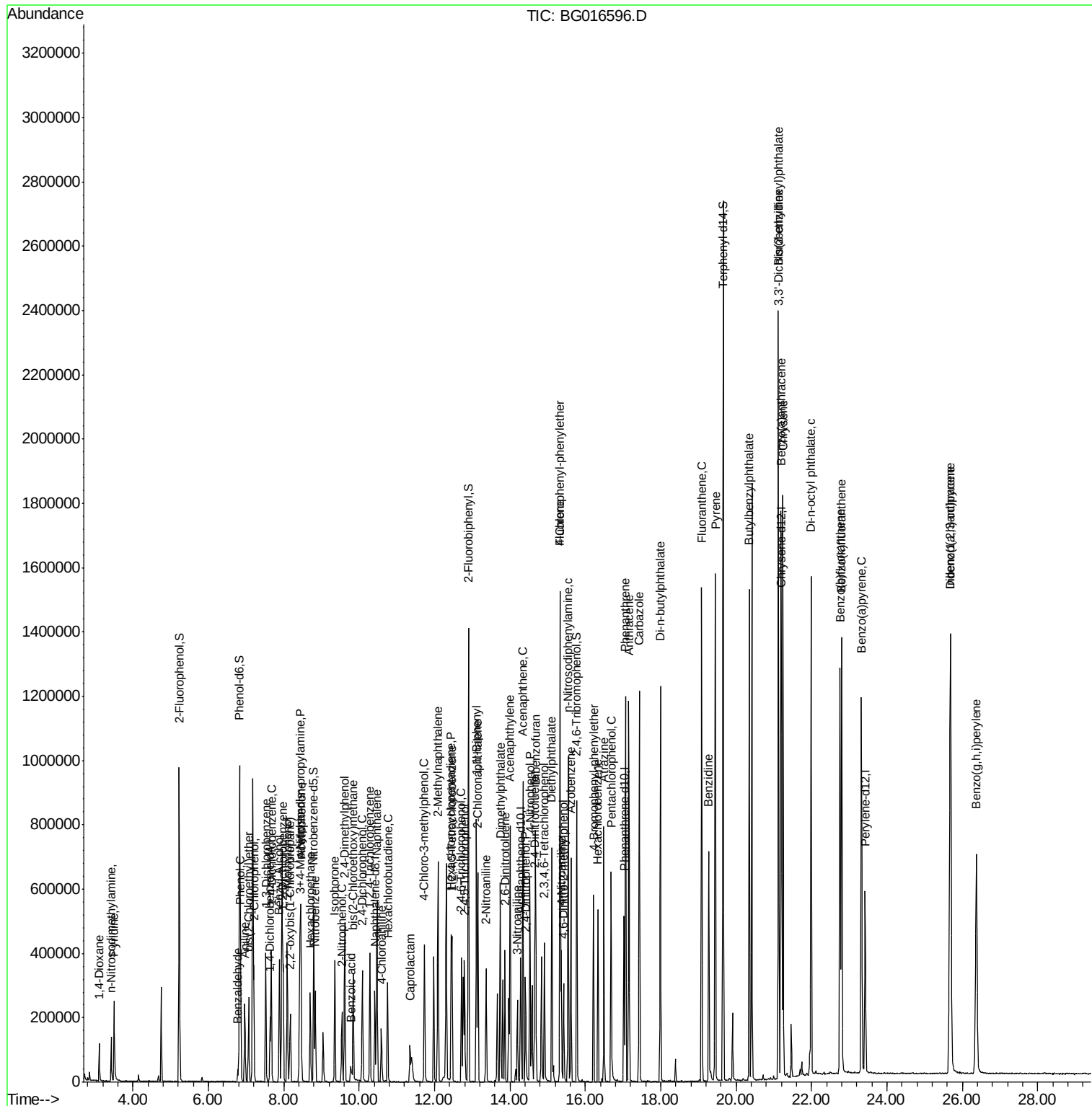
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.71	196	89938	43.55	ng	97
43) 2,4,5-Trichlorophenol	12.79	196	98165	44.58	ng	97
45) 1,1'-Biphenyl	13.11	154	419259	42.94	ng	99
46) 2-Chloronaphthalene	13.15	162	316434	42.32	ng	99
47) 2-Nitroaniline	13.37	65	92283	42.31	ng	98
48) Acenaphthylene	14.00	152	547545	41.25	ng	100
49) Dimethylphthalate	13.75	163	386190	41.19	ng	99
50) 2,6-Dinitrotoluene	13.87	165	96766	42.03	ng	99
51) Acenaphthene	14.34	154	326486	41.22	ng	99
52) 3-Nitroaniline	14.20	138	75381	26.51	ng	100
53) 2,4-Dinitrophenol	14.41	184	90273	84.06	ng	97
54) Dibenzofuran	14.68	168	475726	42.66	ng	100
55) 4-Nitrophenol	14.53	139	211762	98.40	ng	98
56) 2,4-Dinitrotoluene	14.66	165	140364	44.31	ng	98
57) Fluorene	15.33	166	411256	41.85	ng	99
58) 2,3,4,6-Tetrachlorophenol	14.91	232	73063	43.97	ng	99
59) Diethylphthalate	15.11	149	408424	40.89	ng	99
60) 4-Chlorophenyl-phenylether	15.33	204	165199	40.95	ng	98
61) 4-Nitroaniline	15.36	138	136090	41.77	ng	96
62) Azobenzene	15.62	77	403703	43.55	ng	98
64) 4,6-Dinitro-2-methylphenol	15.43	198	75836	40.12	ng	93
65) n-Nitrosodiphenylamine	15.54	169	371771	39.63	ng	98
66) 4-Bromophenyl-phenylether	16.22	248	88501	40.18	ng	98
67) Hexachlorobenzene	16.34	284	92203	40.08	ng	90
68) Atrazine	16.50	200	120159	45.82	ng	96
69) Pentachlorophenol	16.68	266	97009	81.32	ng	99
70) Phenanthrene	17.07	178	663782	41.68	ng	99
71) Anthracene	17.16	178	672955	42.52	ng	99
72) Carbazole	17.43	167	752366	46.59	ng	99
73) Di-n-butylphthalate	17.99	149	896390	45.61	ng	100
74) Fluoranthene	19.09	202	797587	46.49	ng	99
76) Benzidine	19.27	184	404051	35.73	ng	99
77) Pyrene	19.45	202	845735	41.17	ng	99
79) Butylbenzylphthalate	20.35	149	465867	43.32	ng	100
80) Benzo(a)anthracene	21.19	228	761136	41.27	ng	99
81) 3,3'-Dichlorobenzidine	21.13	252	200108	32.77	ng	96
82) Chrysene	21.24	228	719975	40.66	ng	99
83) Bis(2-ethylhexyl)phthalate	21.12	149	633378	42.91	ng	99
84) Di-n-octyl phthalate	21.99	149	1056828	43.11	ng	100
85) Indeno(1,2,3-cd)pyrene	25.68	276	797811	41.06	ng	99
87) Benzo(b)fluoranthene	22.76	252	750267	43.13	ng	99
88) Benzo(k)fluoranthene	22.80	252	689110	40.39	ng	98
89) Benzo(a)pyrene	23.33	252	707759	42.85	ng	99
90) Dibenzo(a,h)anthracene	25.69	278	664481	41.40	ng	97
91) Benzo(g,h,i)perylene	26.38	276	676964	41.81	ng	99

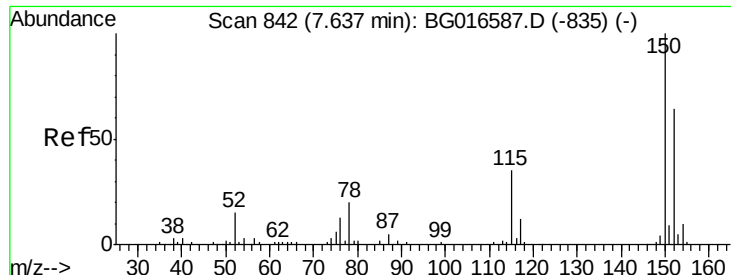
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.64 min Scan# 842

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

Instrument :

BNA_G

ClientSampleId :

PB82885BS

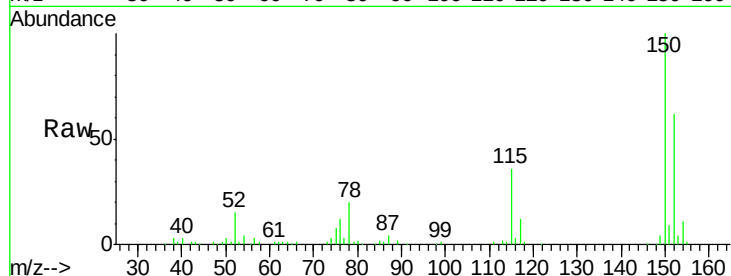
Tgt Ion:152 Resp: 55803

Ion Ratio Lower Upper

152 100

150 162.3 125.5 188.3

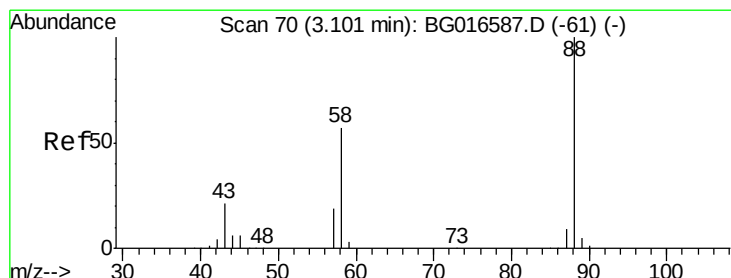
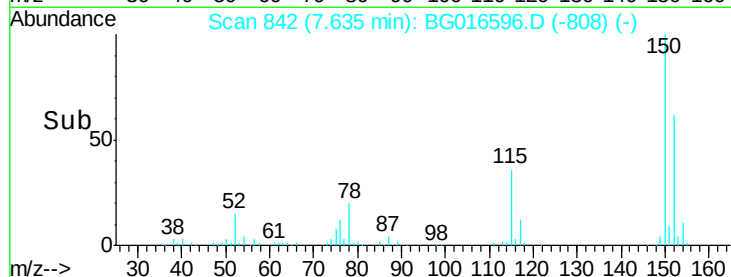
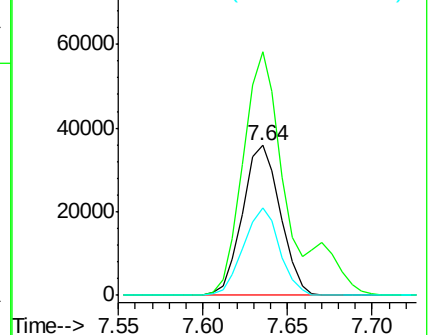
115 58.7 44.5 66.7



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: 35.50 ng

RT: 3.10 min Scan# 70

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

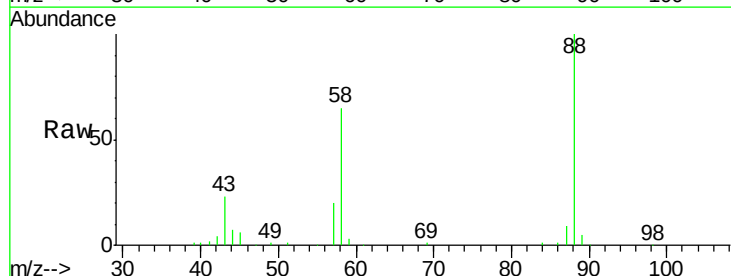
Tgt Ion: 88 Resp: 55579

Ion Ratio Lower Upper

88 100

58 62.2 46.0 69.0

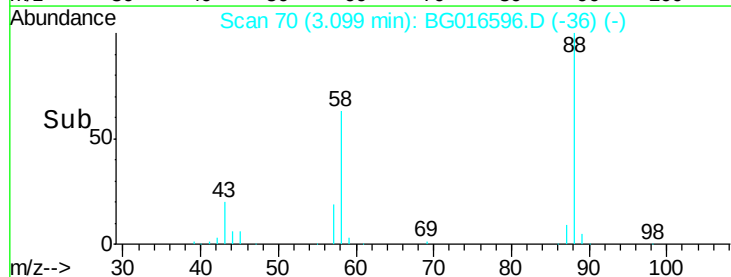
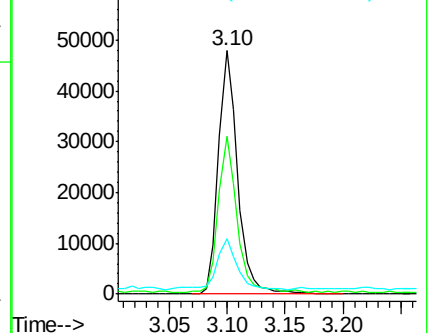
43 22.1 16.2 24.4

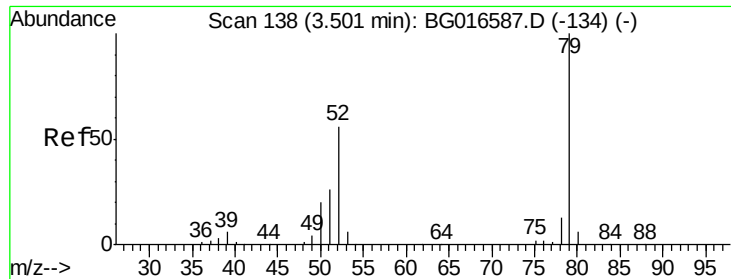


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 34.33 ng

RT: 3.49 min Scan# 137

Delta R.T. -0.01 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

Instrument :

BNA_G

ClientSampleId :

PB82885BS

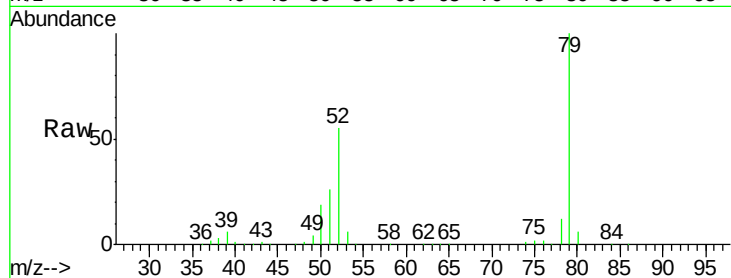
Tgt Ion: 79 Resp: 148676

Ion Ratio Lower Upper

79 100

52 54.8 45.0 67.4

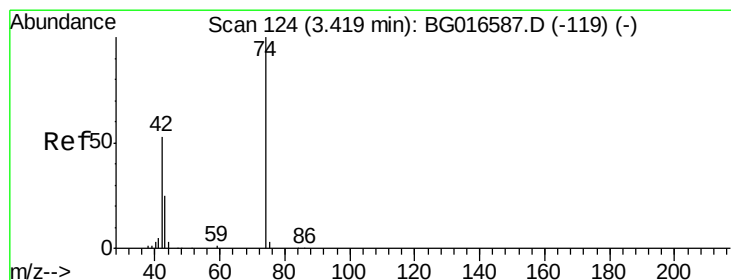
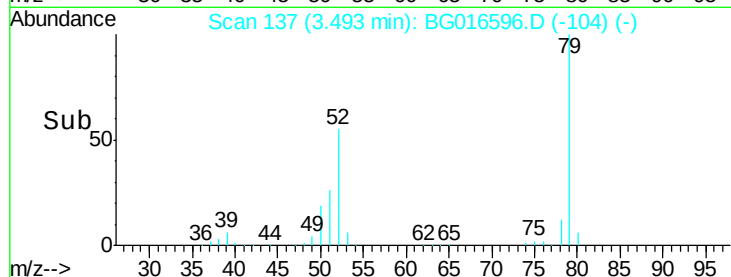
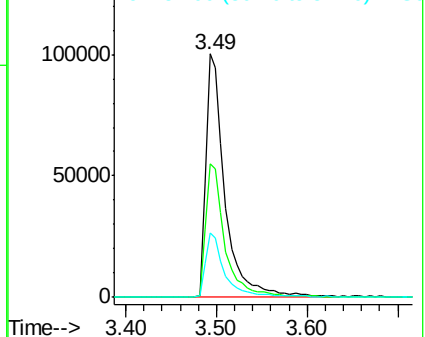
51 26.2 21.4 32.0



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: 38.22 ng

RT: 3.42 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

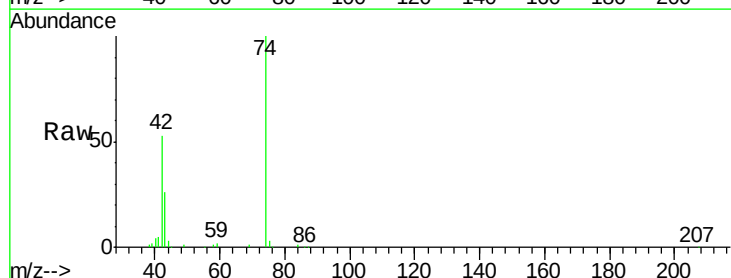
Tgt Ion: 42 Resp: 49560

Ion Ratio Lower Upper

42 100

74 187.4 151.6 227.4

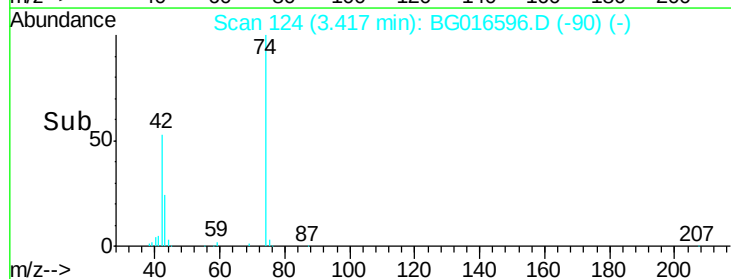
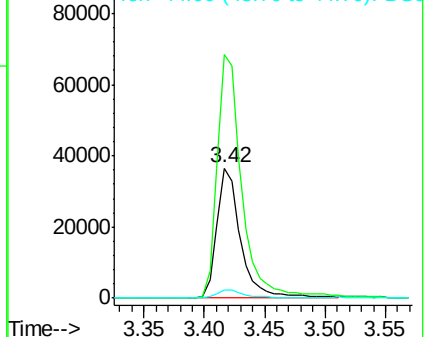
44 6.3 4.9 7.3

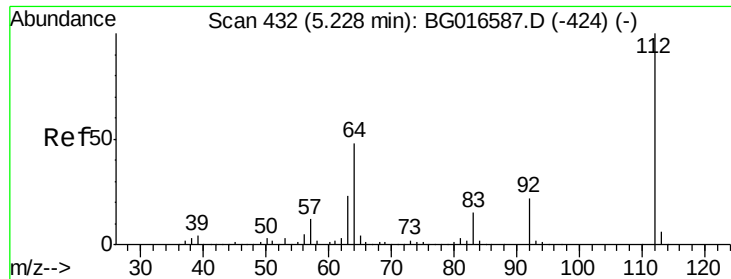


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 131.64 ng

RT: 5.23 min Scan# 432

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

Instrument :

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ClientSampleId :

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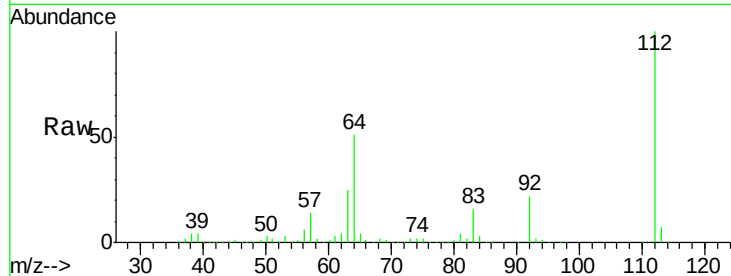
Tgt Ion: 112 Resp: 458354

Ion Ratio Lower Upper

112 100

64 51.0 38.5 57.7

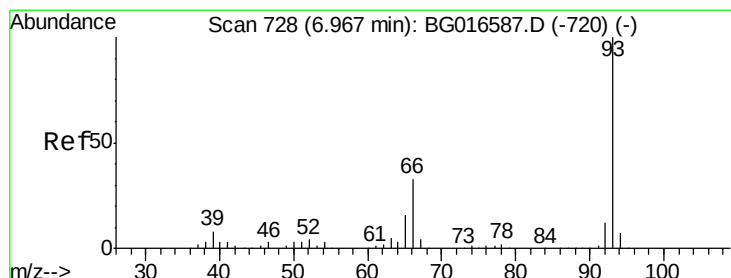
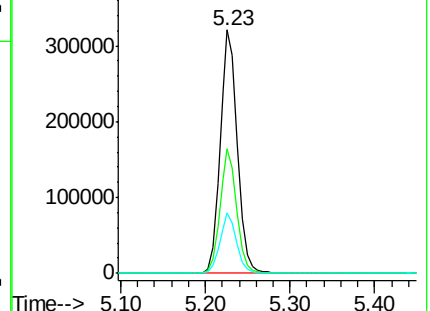
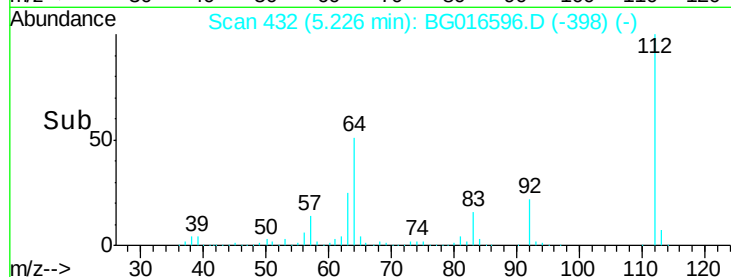
63 24.8 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 24.65 ng

RT: 6.97 min Scan# 728

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

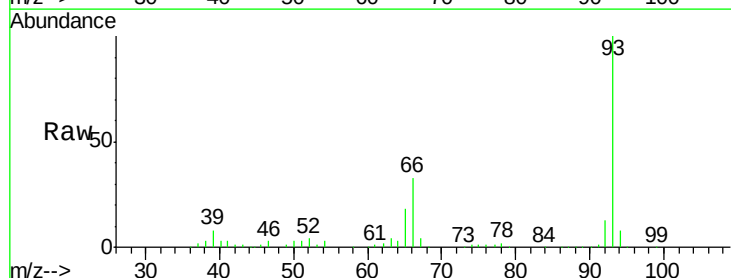
Tgt Ion: 93 Resp: 165628

Ion Ratio Lower Upper

93 100

66 32.9 26.1 39.1

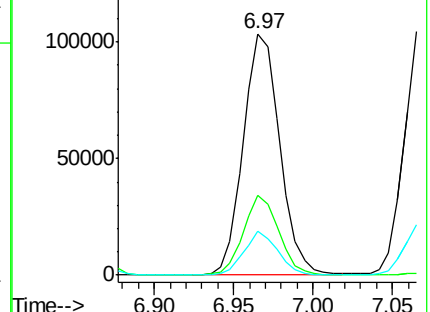
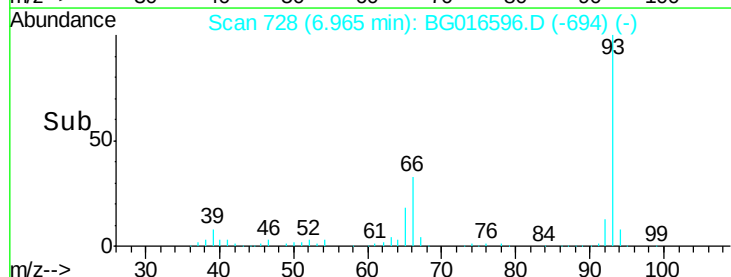
65 17.9 13.0 19.6

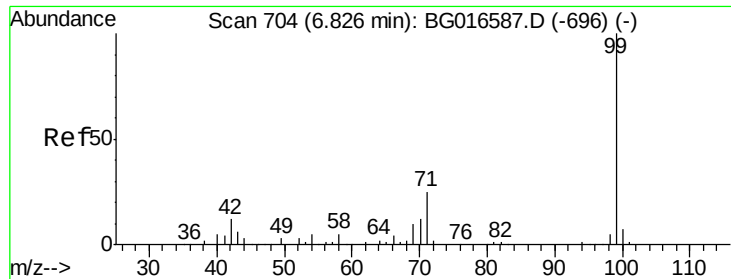


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 127.34 ng

RT: 6.83 min Scan# 705

Delta R.T. 0.00 min

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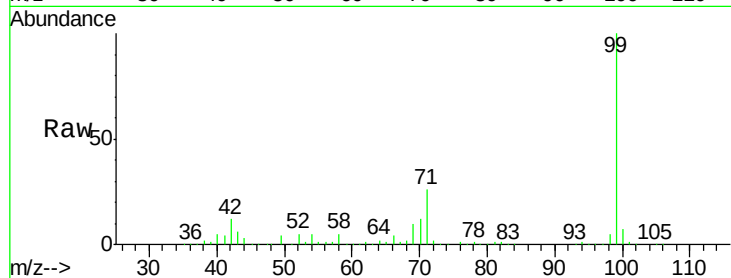
Tgt Ion: 99 Resp: 619434

Ion Ratio Lower Upper

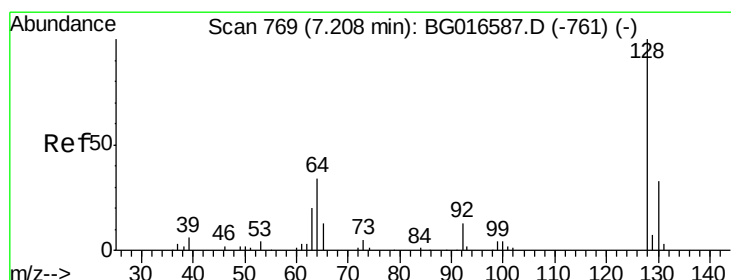
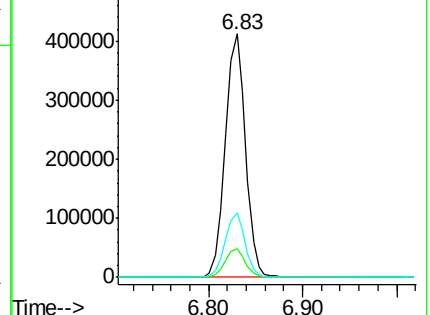
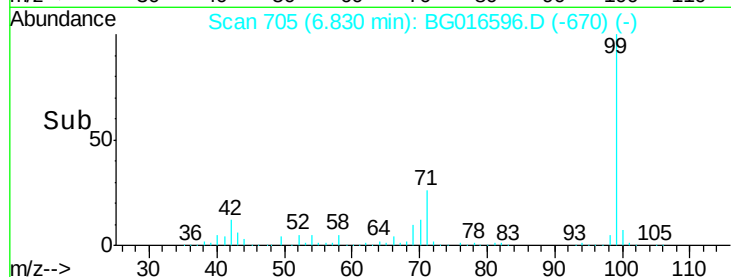
99 100

42 11.8 9.5 14.3

71 26.3 20.2 30.2



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: 41.80 ng

RT: 7.21 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

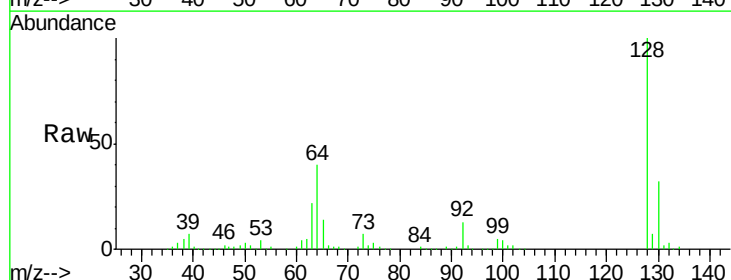
Tgt Ion: 128 Resp: 173734

Ion Ratio Lower Upper

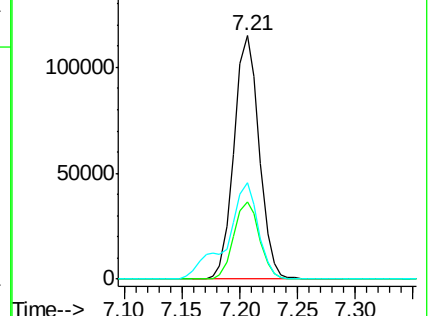
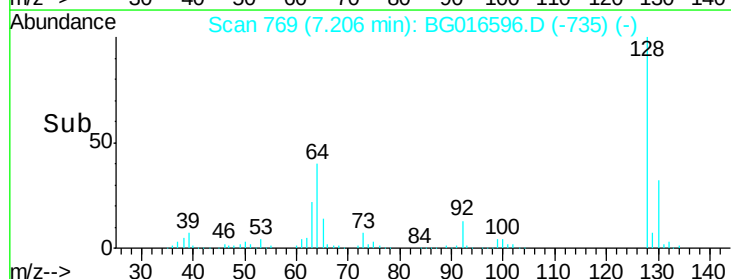
128 100

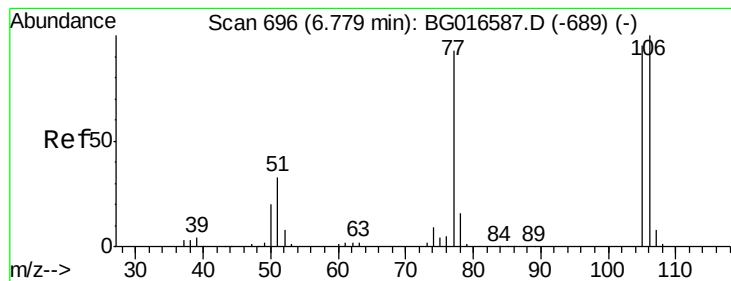
130 31.7 13.5 53.5

64 39.6 17.9 57.9



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: 6.53 ng

RT: 6.78 min Scan# 697

Delta R.T. 0.00 min

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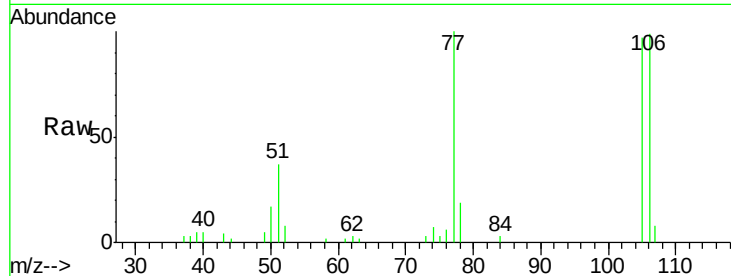
Tgt Ion: 77 Resp: 14464

Ion Ratio Lower Upper

77 100

105 97.4 81.6 121.6

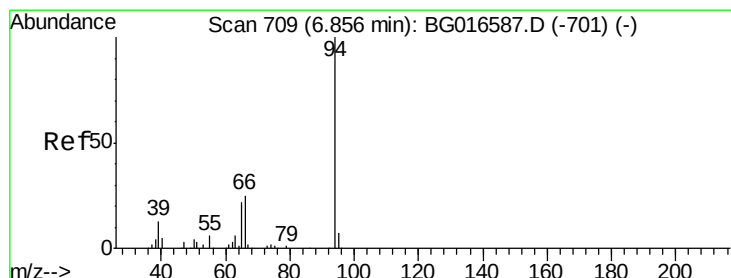
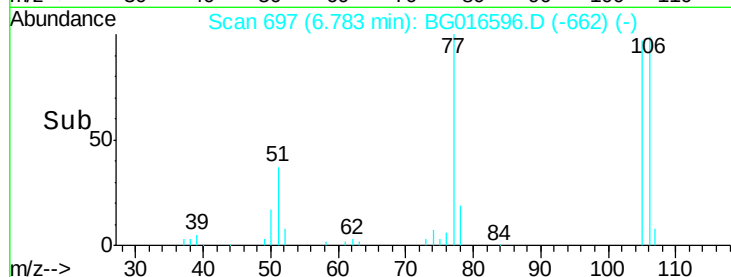
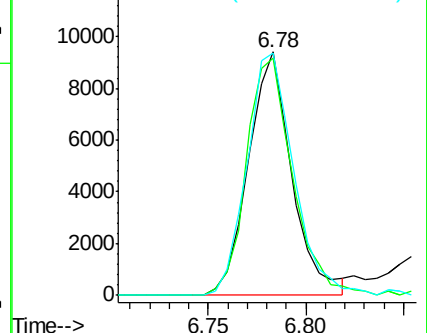
106 99.3 87.4 127.4



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: 42.33 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

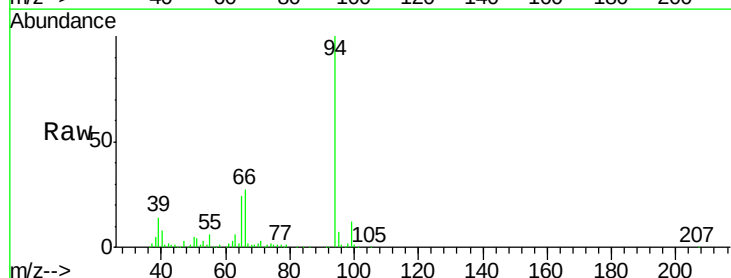
Tgt Ion: 94 Resp: 217784

Ion Ratio Lower Upper

94 100

65 23.8 2.6 42.6

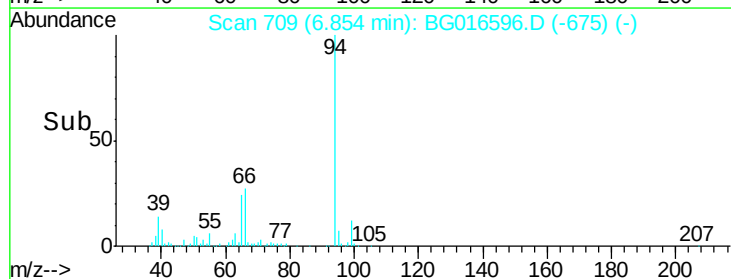
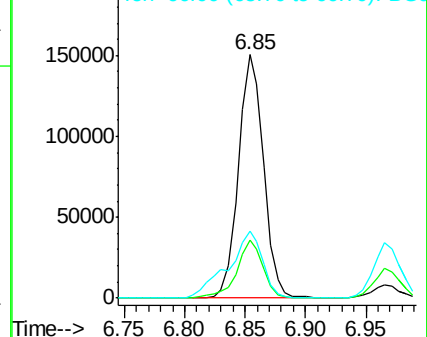
66 27.4 6.3 46.3

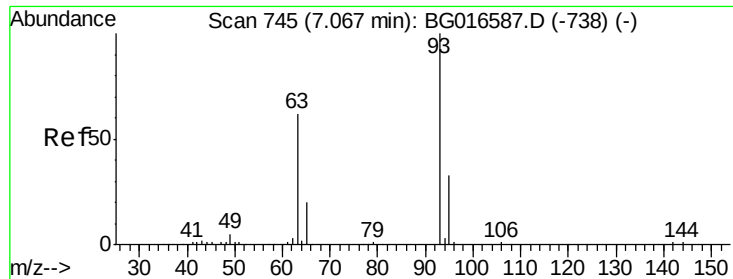


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

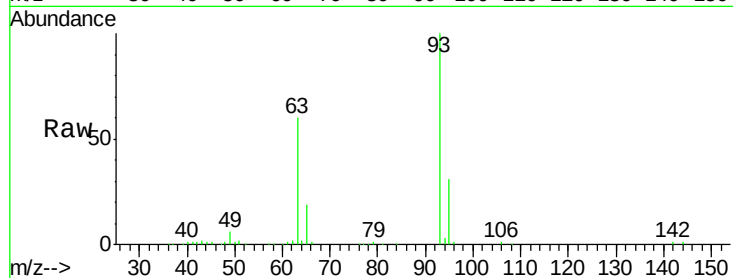




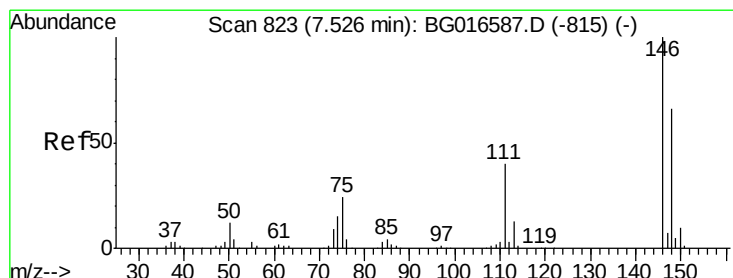
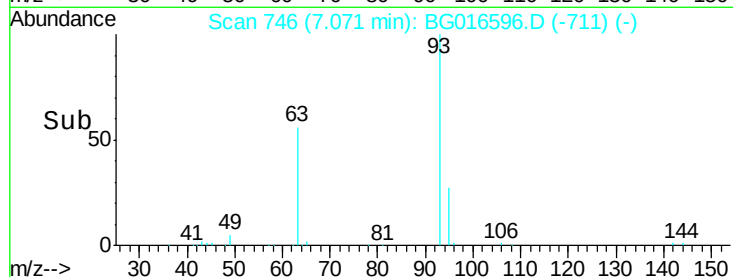
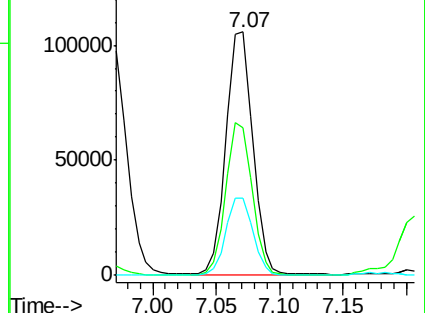
#11
bis(2-Chloroethyl)ether
Concen: 38.72 ng
RT: 7.07 min Scan# 746
Delta R.T. 0.00 min
Lab File: BG016596.D
Acq: 21 Apr 2015 22:42

Instrument :
BNA_G
ClientSampleId :
PB82885BS

Tgt Ion: 93 Resp: 155976
Ion Ratio Lower Upper
93 100
63 60.4 42.0 82.0
95 31.5 12.6 52.6

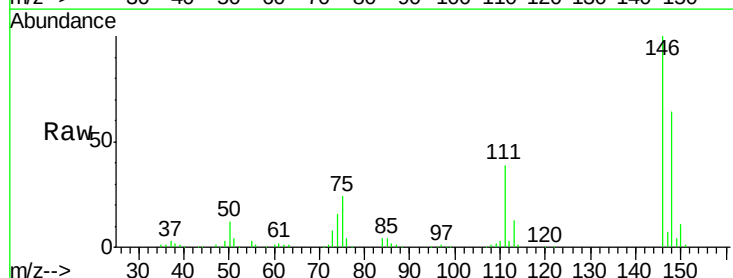


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

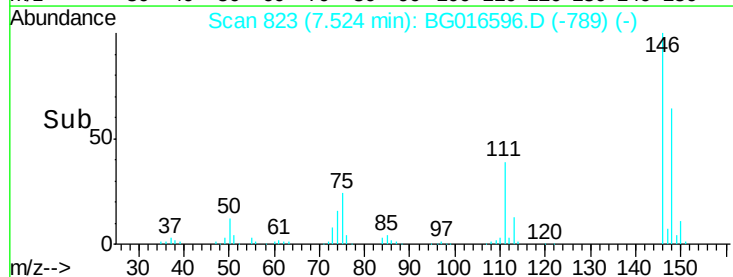
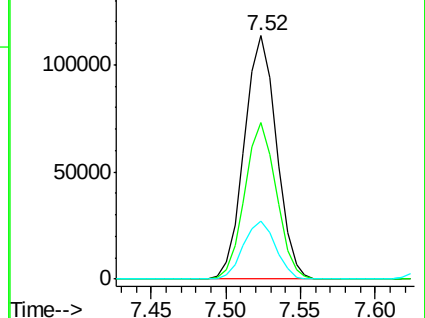


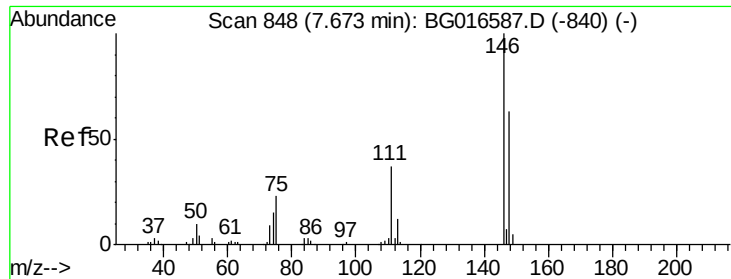
#12
1,3-Dichlorobenzene
Concen: 39.12 ng
RT: 7.52 min Scan# 823
Delta R.T. -0.00 min
Lab File: BG016596.D
Acq: 21 Apr 2015 22:42

Tgt Ion: 146 Resp: 169764
Ion Ratio Lower Upper
146 100
148 64.1 52.6 79.0
75 24.1 19.5 29.3



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

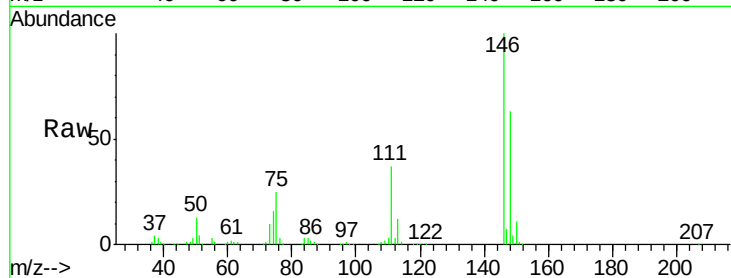




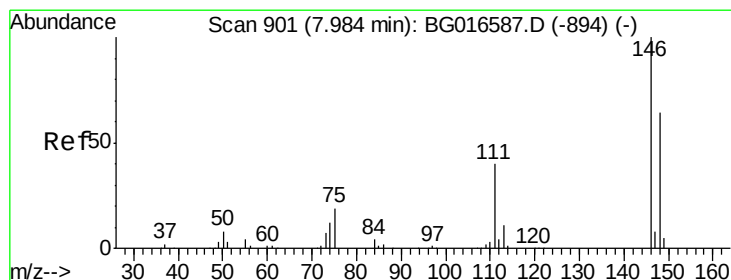
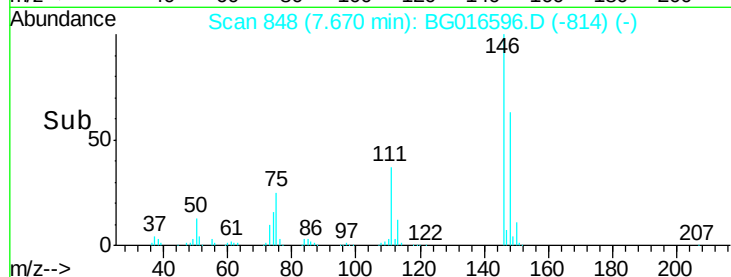
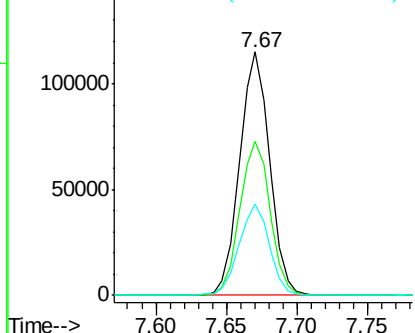
#13
 1,4-Dichlorobenzene
 Concen: 38.56 ng
 RT: 7.67 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BG016596.D
 Acq: 21 Apr 2015 22:42

Instrument :
 BNA_G
 ClientSampleId :
 PB82885BS

Tgt Ion:146 Resp: 170358
 Ion Ratio Lower Upper
 146 100
 148 63.4 50.5 75.7
 111 37.4 29.6 44.4

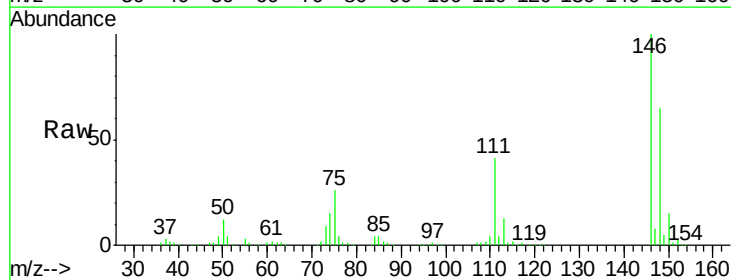


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

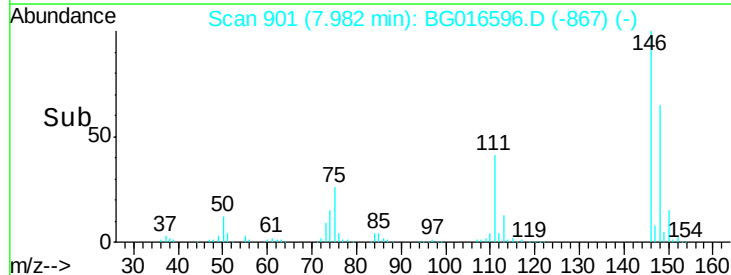
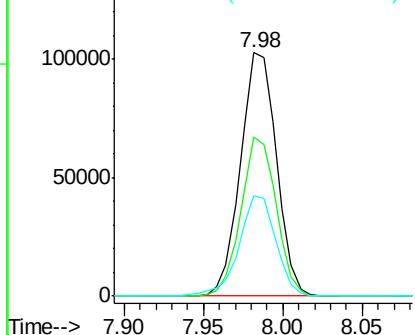


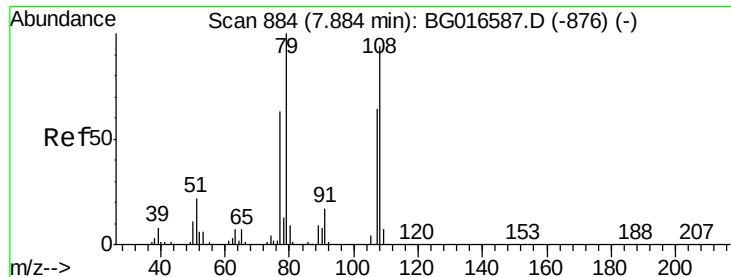
#14
 1,2-Dichlorobenzene
 Concen: 38.62 ng
 RT: 7.98 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BG016596.D
 Acq: 21 Apr 2015 22:42

Tgt Ion:146 Resp: 162321
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.4 77.2
 111 41.1 32.6 48.8



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





#15

Benzyl Alcohol

Concen: 39.04 ng

RT: 7.88 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

Instrument :

BNA_G

ClientSampleId :

PB82885BS

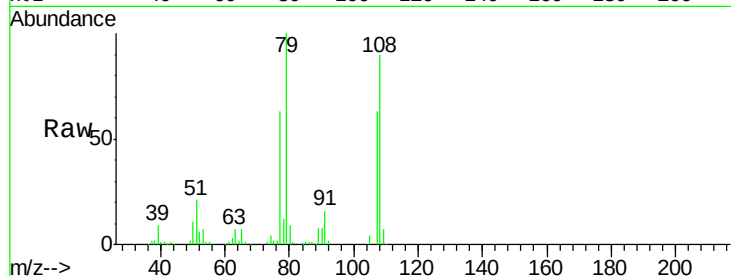
Tgt Ion: 79 Resp: 120857

Ion Ratio Lower Upper

79 100

108 89.8 74.8 112.2

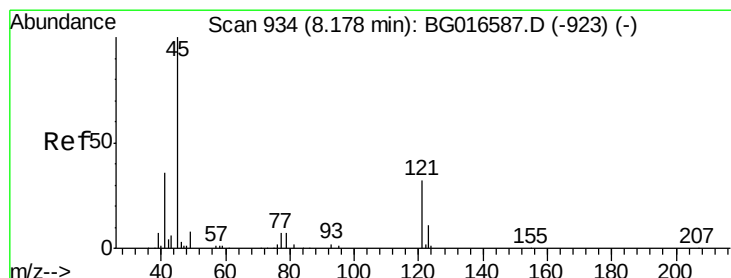
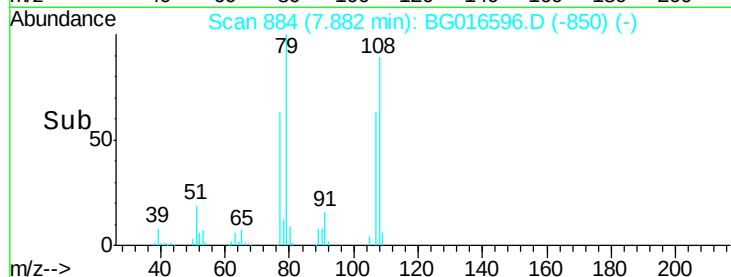
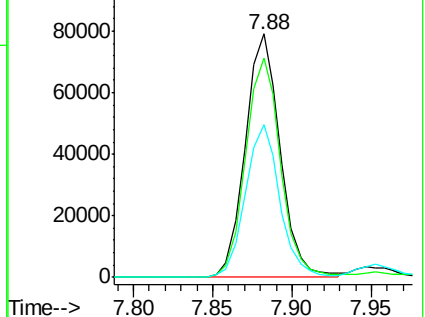
77 62.9 50.0 75.0



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: 39.55 ng

RT: 8.18 min Scan# 934

Delta R.T. -0.00 min

Lab File: BG016596.D

Acq: 21 Apr 2015 22:42

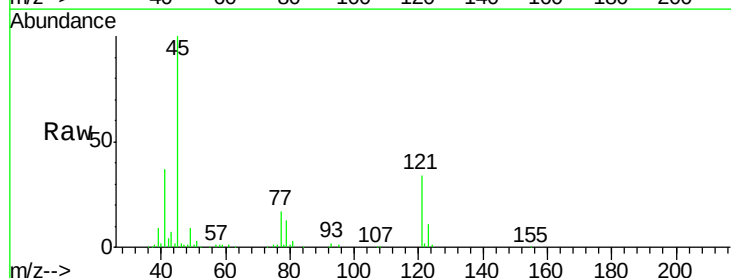
Tgt Ion: 45 Resp: 154292

Ion Ratio Lower Upper

45 100

77 17.3 0.0 35.7

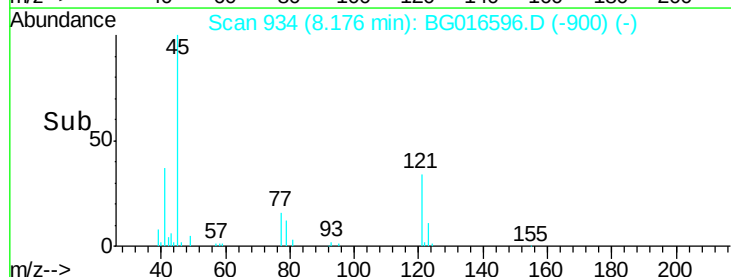
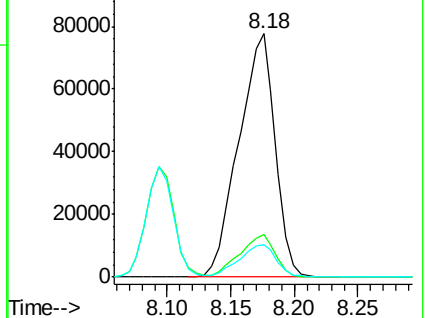
79 13.2 0.0 34.3

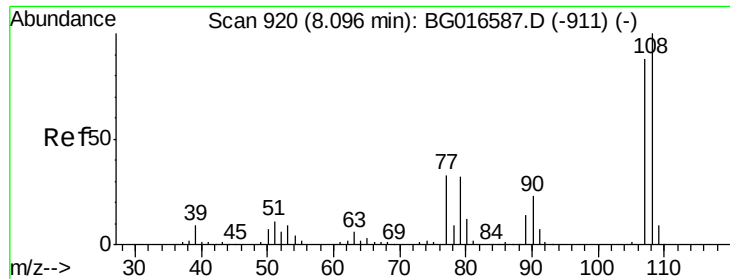


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

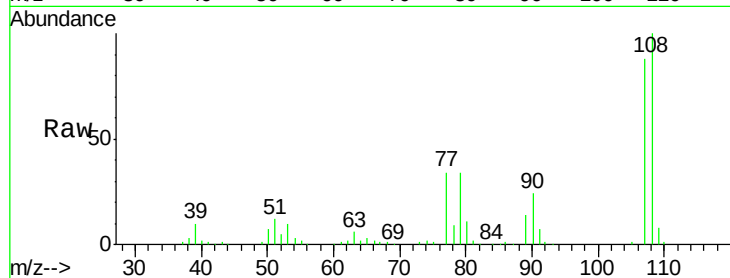




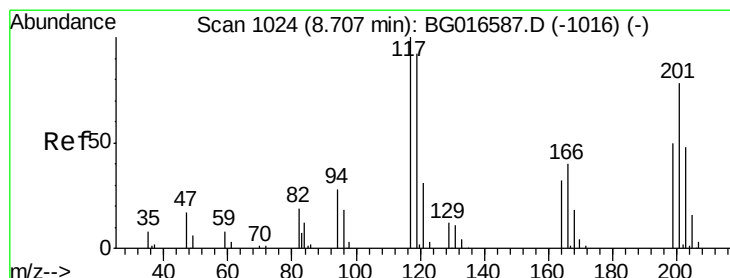
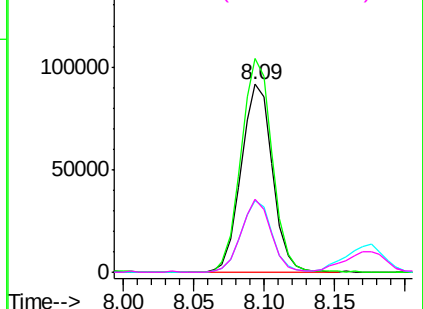
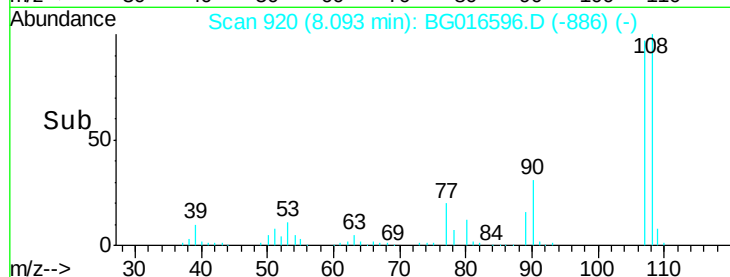
#17
2-Methylphenol
Concen: 40.83 ng
RT: 8.09 min Scan# 920
Delta R.T. -0.00 min
Lab File: BG016596.D
Acq: 21 Apr 2015 22:42

Instrument :
BNA_G
ClientSampleId :
PB82885BS

Tgt Ion:107 Resp: 141573
Ion Ratio Lower Upper
107 100
108 113.9 91.6 137.4
77 38.4 30.2 45.4
79 38.8 29.4 44.2

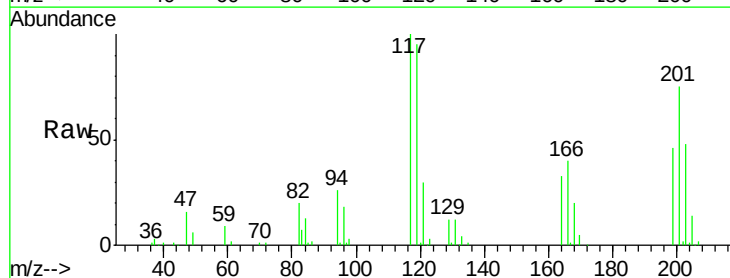


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

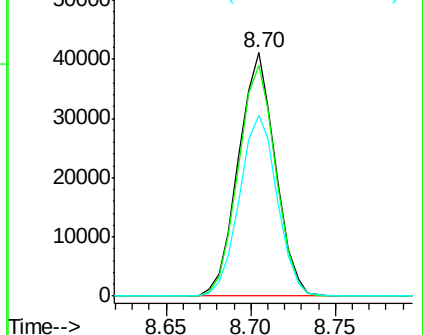
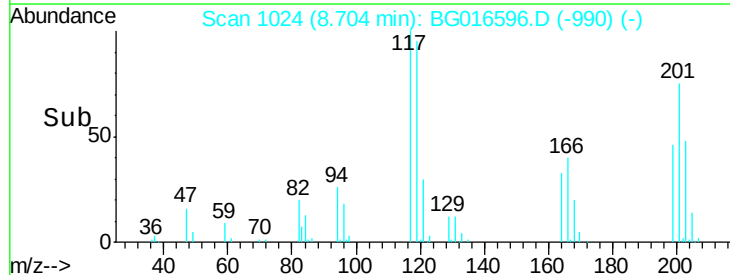


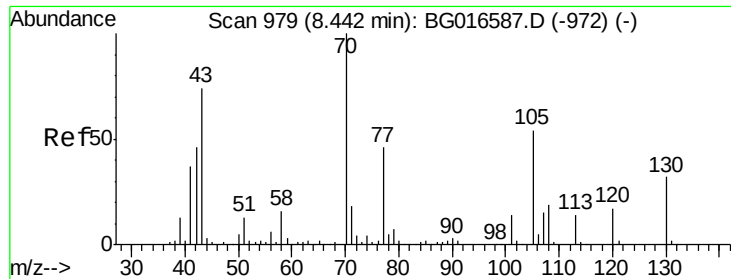
#18
Hexachloroethane
Concen: 39.38 ng
RT: 8.70 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG016596.D
Acq: 21 Apr 2015 22:42

Tgt Ion:117 Resp: 62469
Ion Ratio Lower Upper
117 100
119 94.9 73.8 110.8
201 74.6 62.2 93.2



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

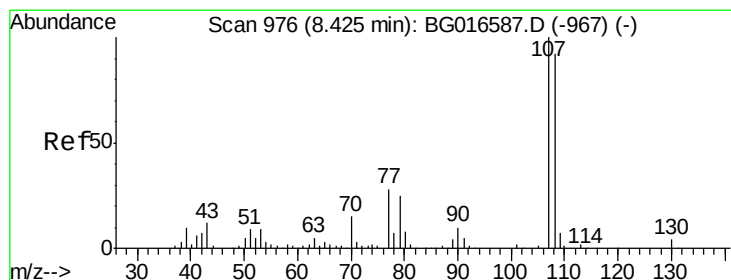
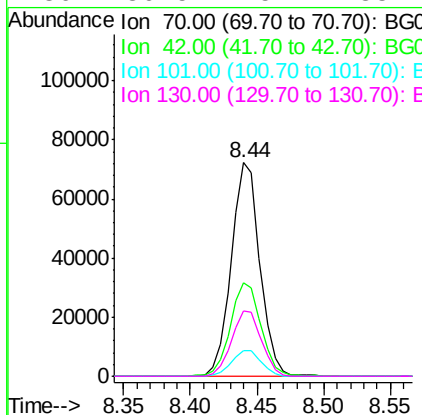
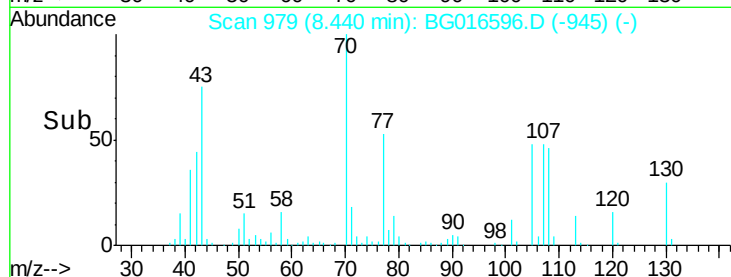
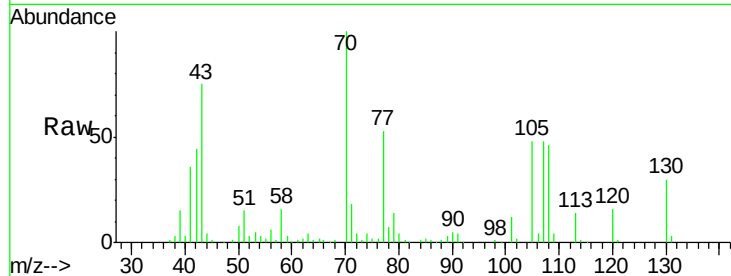




#19
n-Nitroso-di-n-propylamine
Concen: 34.32 ng
RT: 8.44 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG016596.D
Acq: 21 Apr 2015 22:42

Instrument :
BNA_G
ClientSampleId :
PB82885BS

Tgt Ion:	70	Resp:	107949
Ion	Ratio	Lower	Upper
70	100		
42	43.8	36.9	55.3
101	12.0	10.8	16.2
130	30.5	25.4	38.2



#20
3+4-Methylphenols
Concen: 39.72 ng
RT: 8.42 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG016596.D
Acq: 21 Apr 2015 22:42

Tgt Ion:	107	Resp:	189703
Ion	Ratio	Lower	Upper
107	100		
108	91.4	71.6	111.6
77	28.4	7.6	47.6
79	25.3	5.1	45.1

