

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041615\
 Data File : BG016472.D
 Acq On : 17 Apr 2015 00:53
 Operator : TP/IZ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

Quant Time: Apr 17 04:16:21 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 03:57:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	62795	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	299048	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	177496	20.00	ng	0.00
63) Phenanthrene-d10	17.05	188	361849	20.00	ng	0.00
75) Chrysene-d12	21.22	240	305045	20.00	ng	0.00
86) Perylene-d12	23.45	264	291388	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	323204	81.23	ng	0.00
7) Phenol-d6	6.85	99	462899	77.50	ng	0.00
23) Nitrobenzene-d5	8.82	82	390721	75.69	ng	0.00
41) 2,4,6-Tribromophenol	15.80	330	102961	85.77	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	835447	80.14	ng	0.00
78) Terphenyl-d14	19.67	244	1009578	77.46	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	68083	37.64	ng	98
3) Pyridine	3.53	79	200332	37.06	ng	95
4) n-Nitrosodimethylamine	3.45	42	59198	36.84	ng	93
6) Aniline	6.99	93	315680	37.01	ng	97
8) 2-Chlorophenol	7.23	128	196977	41.22	ng	94
9) Benzaldehyde	6.81	77	115160	32.92	ng	95
10) Phenol	6.88	94	245719	38.45	ng	99
11) bis(2-Chloroethyl)ether	7.09	93	187247	36.75	ng	97
12) 1,3-Dichlorobenzene	7.55	146	197287	40.89	ng	97
13) 1,4-Dichlorobenzene	7.69	146	203324	40.62	ng	96
14) 1,2-Dichlorobenzene	8.01	146	192796	40.27	ng	98
15) Benzyl Alcohol	7.91	79	157664	37.87	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.20	45	189003	32.93	ng	96
17) 2-Methylphenol	8.12	107	166879	38.94	ng	98
18) Hexachloroethane	8.73	117	73863	38.57	ng	96
19) n-Nitroso-di-n-propylamine	8.47	70	153102	35.77	ng	97
20) 3+4-Methylphenols	8.45	107	234172	39.45	ng	97
22) Acetophenone	8.48	105	267956	38.64	ng	# 99
24) Nitrobenzene	8.86	77	205879	37.29	ng	92
25) Isophorone	9.38	82	430173	37.52	ng	97
26) 2-Nitrophenol	9.57	139	121315	47.13	ng	96
27) 2,4-Dimethylphenol	9.64	122	198546	41.41	ng	98
28) bis(2-Chloroethoxy)methane	9.87	93	245361	37.50	ng	99
29) 2,4-Dichlorophenol	10.11	162	171986	45.33	ng	97
30) 1,2,4-Trichlorobenzene	10.31	180	167431	42.27	ng	99
31) Naphthalene	10.50	128	615400	39.49	ng	99
32) Benzoic acid	9.79	122	111802	37.97	ng	96
33) 4-Chloroaniline	10.61	127	294838	40.32	ng	98
34) Hexachlorobutadiene	10.78	225	74526	42.83	ng	99
35) Caprolactam	11.40	113	103585	43.37	ng	94
36) 4-Chloro-3-methylphenol	11.75	107	206152	41.13	ng	97
37) 2-Methylnaphthalene	12.11	142	448827	40.04	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.49	216	161613	41.36	ng	98
40) Hexachlorocyclopentadiene	12.46	237	66063	36.93	ng	98

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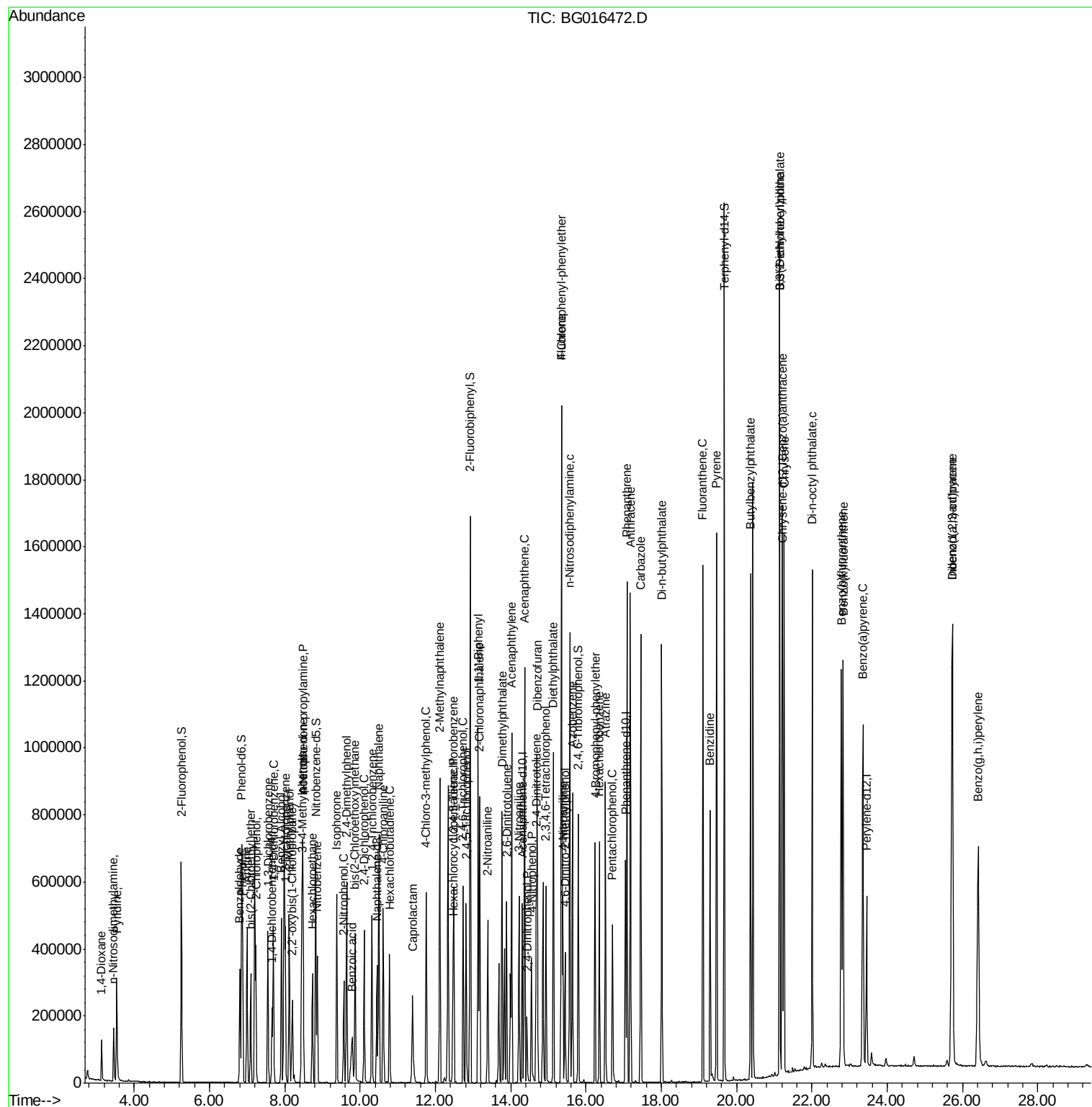
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.73	196	131065	45.13	ng	98
43) 2,4,5-Trichlorophenol	12.81	196	136024	43.84	ng	95
45) 1,1'-Biphenyl	13.13	154	538627	39.56	ng	99
46) 2-Chloronaphthalene	13.18	162	413179	39.84	ng	100
47) 2-Nitroaniline	13.39	65	128842	38.54	ng	94
48) Acenaphthylene	14.03	152	729431	39.55	ng	99
49) Dimethylphthalate	13.77	163	519207	39.91	ng	99
50) 2,6-Dinitrotoluene	13.89	165	131446	41.78	ng	91
51) Acenaphthene	14.37	154	434502	39.42	ng	98
52) 3-Nitroaniline	14.22	138	163434	40.68	ng	90
53) 2,4-Dinitrophenol	14.43	184	53434	34.58	ng	93
54) Dibenzofuran	14.70	168	605201	39.57	ng	99
55) 4-Nitrophenol	14.55	139	130435	39.28	ng	92
56) 2,4-Dinitrotoluene	14.68	165	182563	42.60	ng	91
57) Fluorene	15.36	166	533383	39.53	ng	100
58) 2,3,4,6-Tetrachlorophenol	14.94	232	103629	43.28	ng	95
59) Diethylphthalate	15.13	149	542793	39.20	ng	100
60) 4-Chlorophenyl-phenylether	15.35	204	217769	39.46	ng	96
61) 4-Nitroaniline	15.38	138	181293	39.75	ng	97
62) Azobenzene	15.64	77	510408	34.63	ng	97
64) 4,6-Dinitro-2-methylphenol	15.44	198	97116	38.93	ng	91
65) n-Nitrosodiphenylamine	15.57	169	493880	40.37	ng	99
66) 4-Bromophenyl-phenylether	16.24	248	118408	40.98	ng	93
67) Hexachlorobenzene	16.35	284	119221	39.70	ng	99
68) Atrazine	16.52	200	139082	40.80	ng	99
69) Pentachlorophenol	16.70	266	77272	42.14	ng	99
70) Phenanthrene	17.09	178	792983	38.96	ng	100
71) Anthracene	17.18	178	799242	39.63	ng	99
72) Carbazole	17.45	167	797644	39.40	ng	100
73) Di-n-butylphthalate	18.01	149	977090	39.44	ng	99
74) Fluoranthene	19.10	202	820859	39.13	ng	97
76) Benzidine	19.30	184	450493	34.82	ng	98
77) Pyrene	19.47	202	842803	39.68	ng	100
79) Butylbenzylphthalate	20.37	149	445986	42.74	ng	97
80) Benzo(a)anthracene	21.21	228	719001	39.88	ng	98
81) 3,3'-Dichlorobenzidine	21.15	252	247649	41.77	ng	99
82) Chrysene	21.27	228	689755	39.63	ng	99
83) Bis(2-ethylhexyl)phthalate	21.14	149	609330	43.13	ng	97
84) Di-n-octyl phthalate	22.01	149	1019926	44.31	ng	98
85) Indeno(1,2,3-cd)pyrene	25.73	276	769775	42.57	ng	98
87) Benzo(b)fluoranthene	22.78	252	689779	40.42	ng	99
88) Benzo(k)fluoranthene	22.83	252	653640	39.14	ng	99
89) Benzo(a)pyrene	23.36	252	642070	40.14	ng	99
90) Dibenzo(a,h)anthracene	25.73	278	633593	40.71	ng	97
91) Benzo(g,h,i)perylene	26.42	276	636610	40.95	ng	97

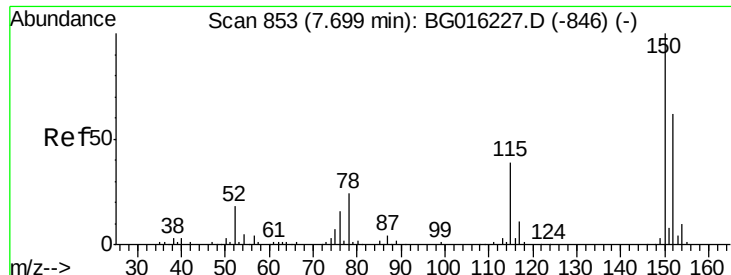
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.66 min Scan# 846

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

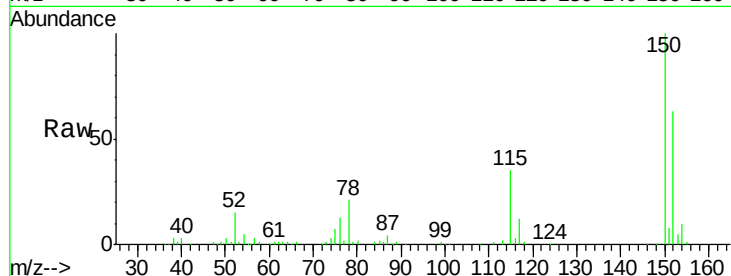
Tgt Ion:152 Resp: 62795

Ion Ratio Lower Upper

152 100

150 158.7 130.1 195.1

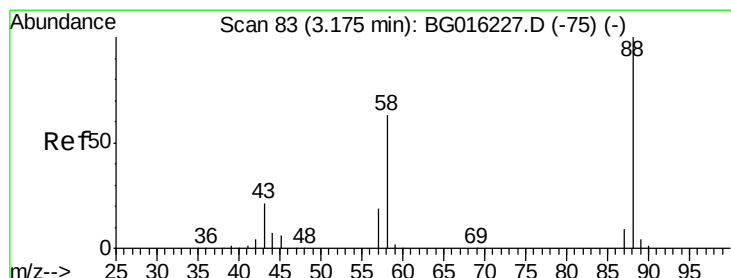
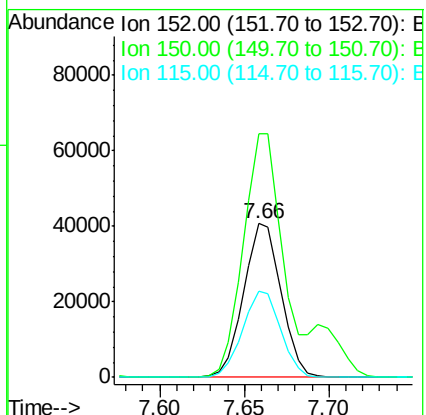
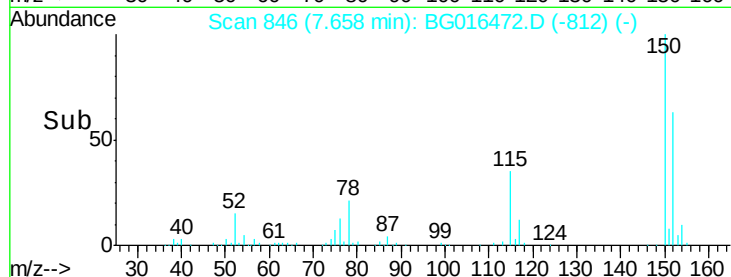
115 56.2 50.5 75.7



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: 37.64 ng

RT: 3.13 min Scan# 76

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

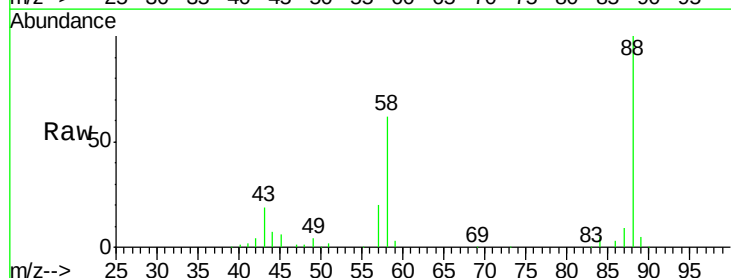
Tgt Ion: 88 Resp: 68083

Ion Ratio Lower Upper

88 100

58 61.7 50.6 76.0

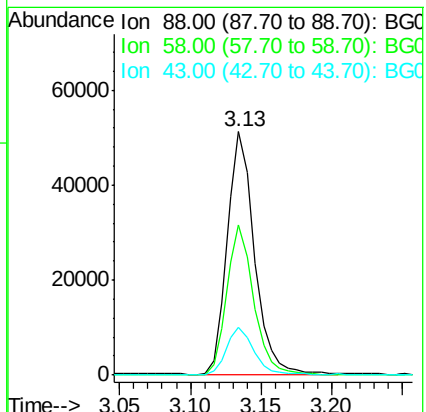
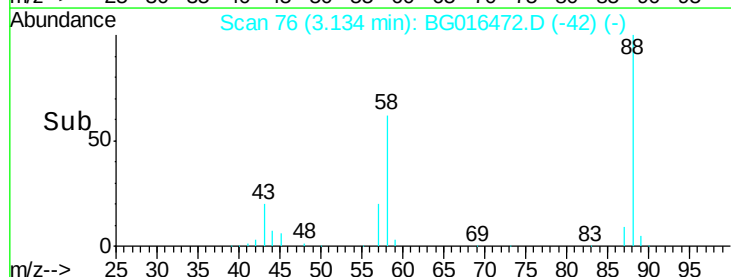
43 20.3 17.0 25.4

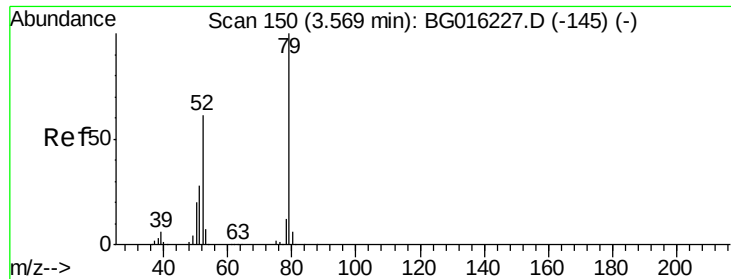


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 37.06 ng

RT: 3.53 min Scan# 144

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

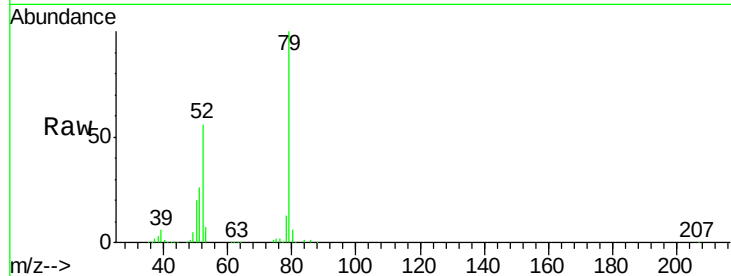
Tgt Ion: 79 Resp: 200332

Ion Ratio Lower Upper

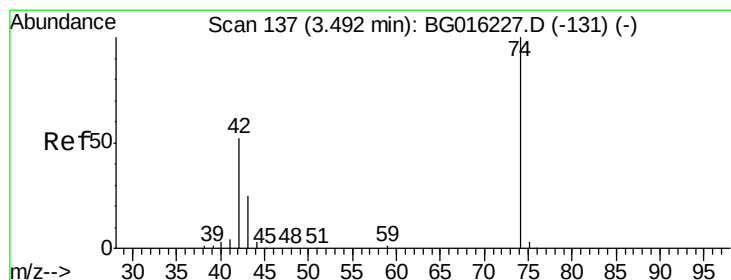
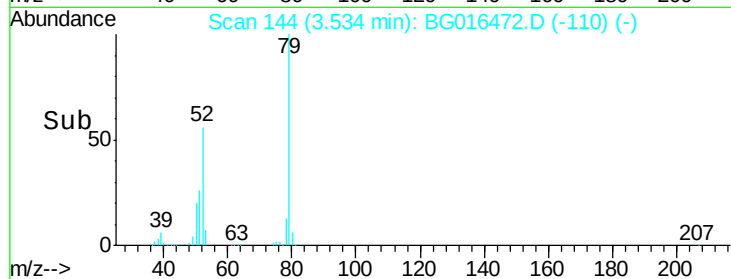
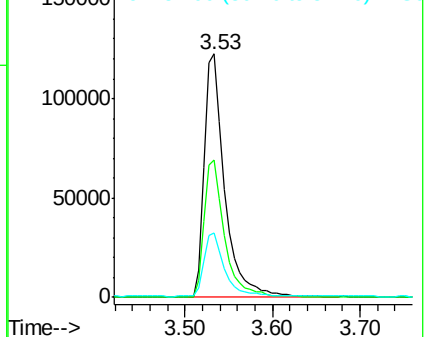
79 100

52 56.4 49.0 73.4

51 26.4 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: 36.84 ng

RT: 3.45 min Scan# 130

Delta R.T. 0.01 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

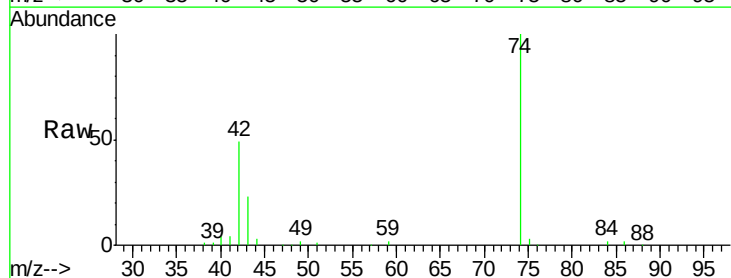
Tgt Ion: 42 Resp: 59198

Ion Ratio Lower Upper

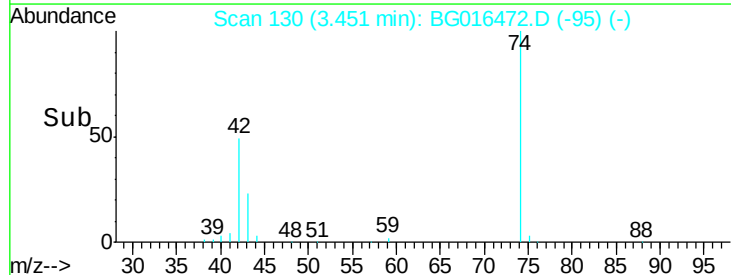
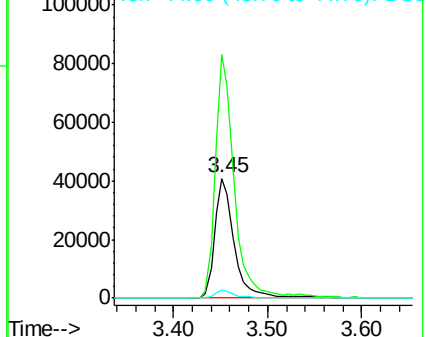
42 100

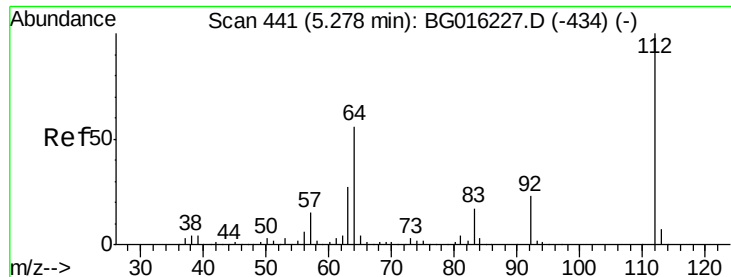
74 203.1 153.7 230.5

44 6.3 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: 81.23 ng

RT: 5.25 min Scan# 436

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

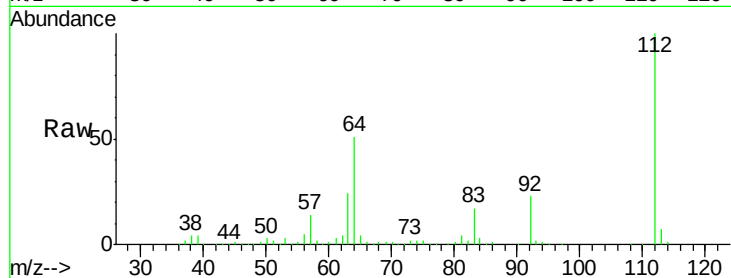
Instrument :

BNA_G

ClientSampleId :

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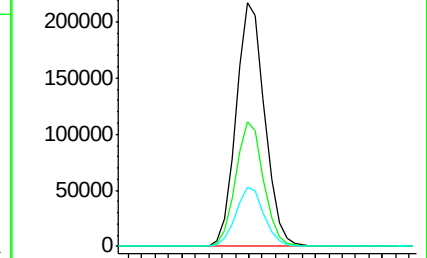
Tgt Ion:	112	Resp:	323204
Ion	Ratio	Lower	Upper
112	100		
64	51.2	44.5	66.7
63	24.3	21.4	32.0



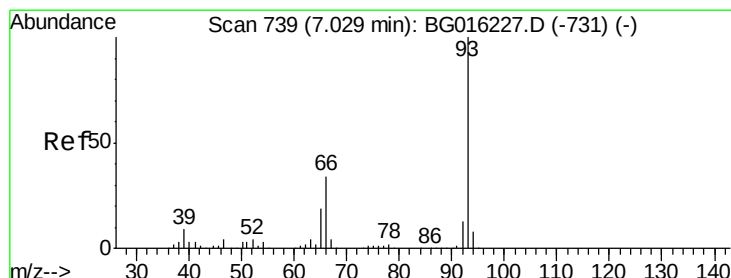
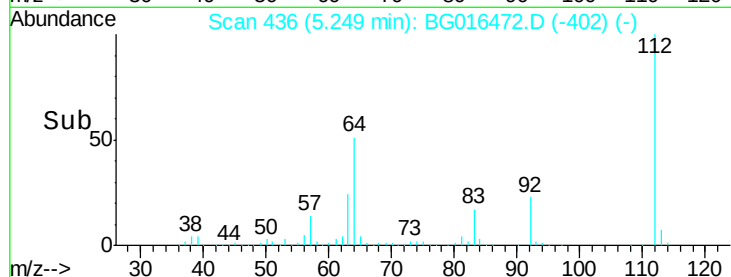
Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



Time-->



#6

Aniline

Concen: 37.01 ng

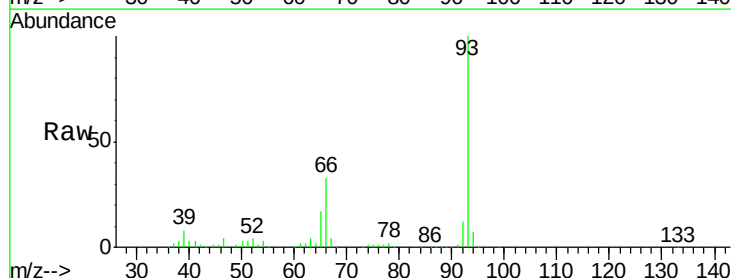
RT: 6.99 min Scan# 733

Delta R.T. 0.01 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

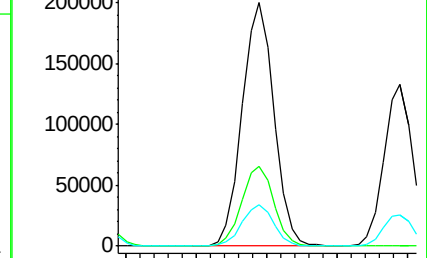
Tgt Ion:	93	Resp:	315680
Ion	Ratio	Lower	Upper
93	100		
66	32.8	27.5	41.3
65	17.1	15.1	22.7



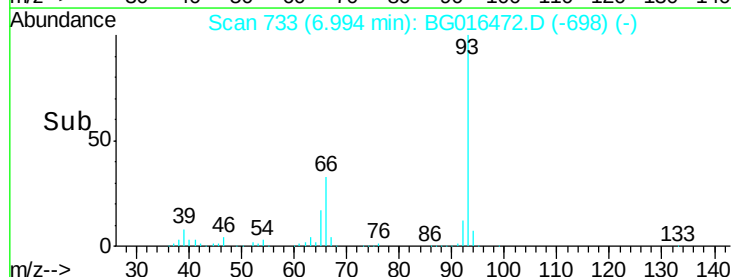
Abundance Ion 93.00 (92.70 to 93.70): BGC

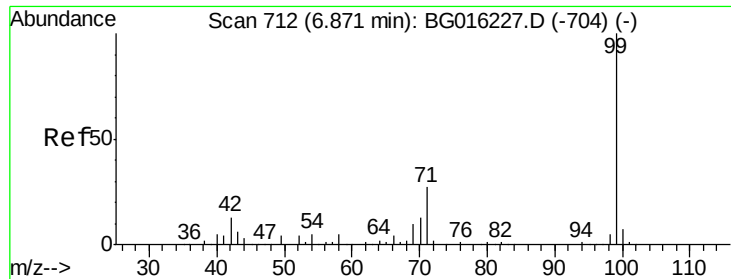
Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



Time-->





#7

Phenol-d6

Concen: 77.50 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.00 min

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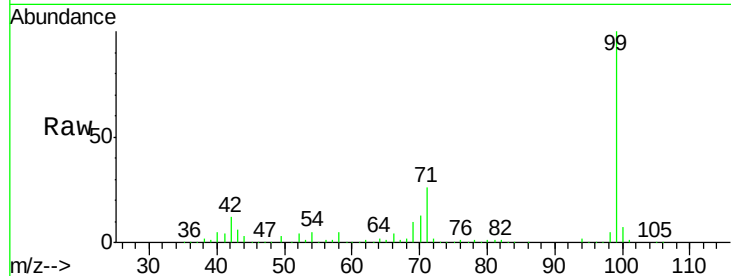
Tgt Ion: 99 Resp: 462899

Ion Ratio Lower Upper

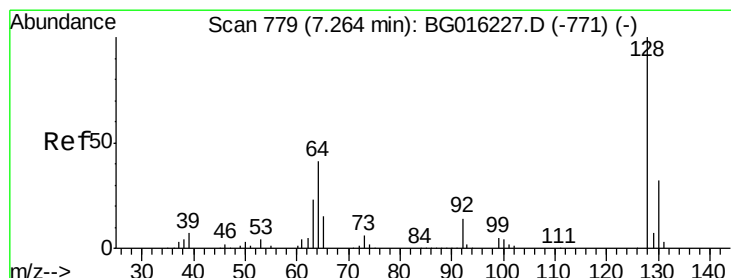
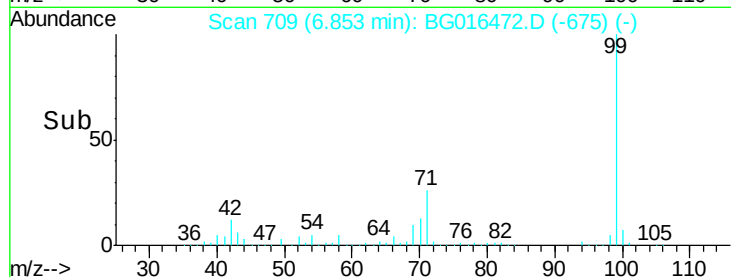
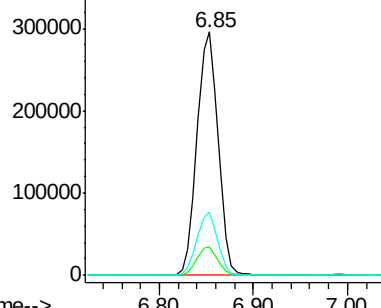
99 100

42 11.5 10.0 15.0

71 26.0 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: 41.22 ng

RT: 7.23 min Scan# 773

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

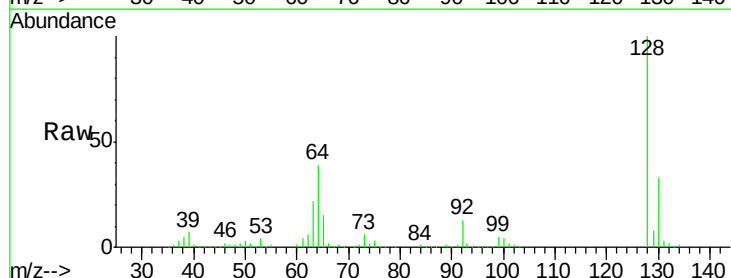
Tgt Ion: 128 Resp: 196977

Ion Ratio Lower Upper

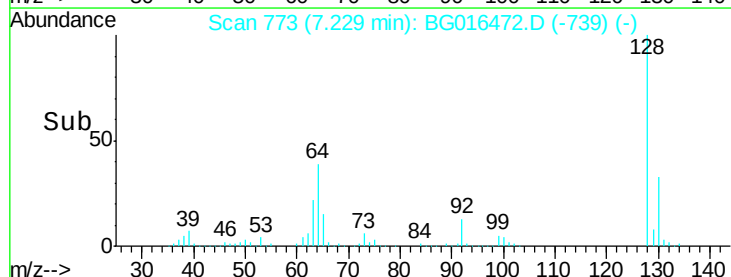
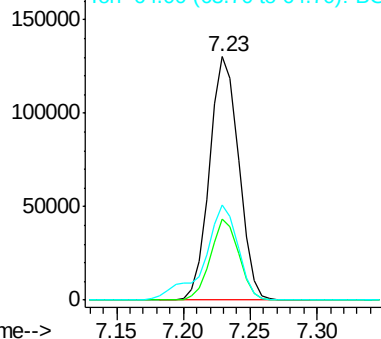
128 100

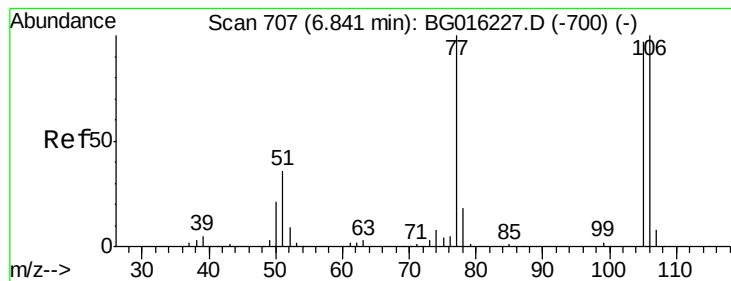
130 33.5 11.6 51.6

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: 32.92 ng

RT: 6.81 min Scan# 701

Delta R.T. 0.01 min

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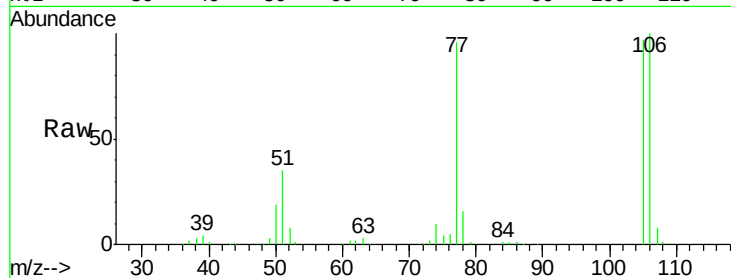
Tgt Ion: 77 Resp: 115160

Ion Ratio Lower Upper

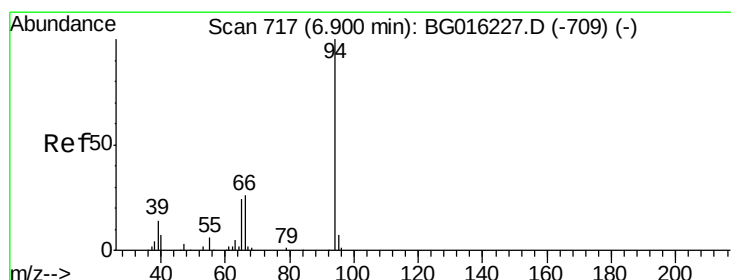
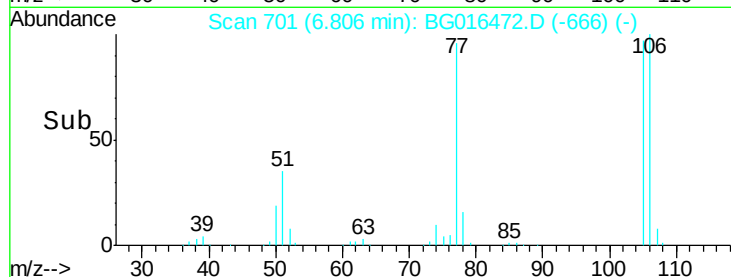
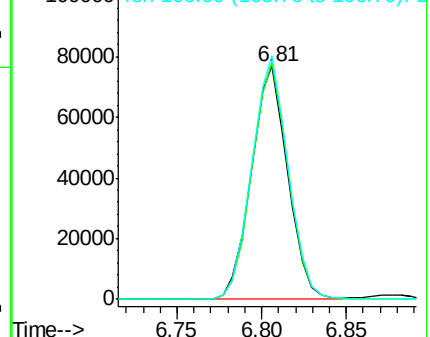
77 100

105 101.8 76.8 116.8

106 104.6 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: 38.45 ng

RT: 6.88 min Scan# 713

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

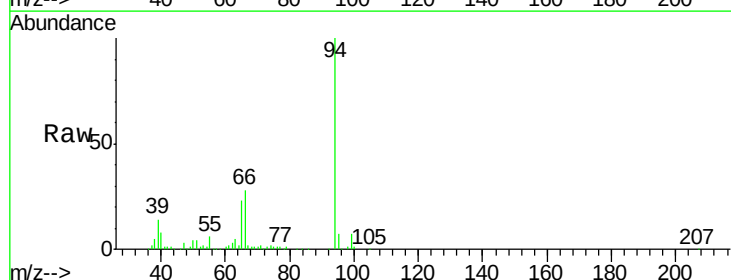
Tgt Ion: 94 Resp: 245719

Ion Ratio Lower Upper

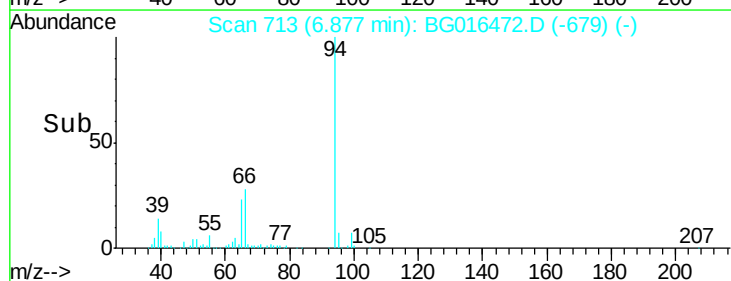
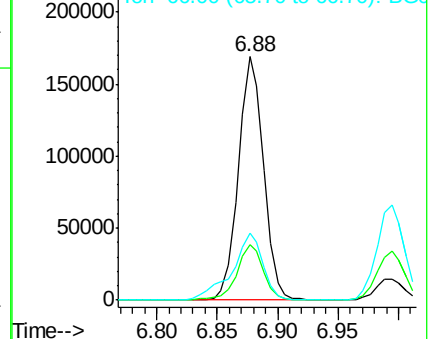
94 100

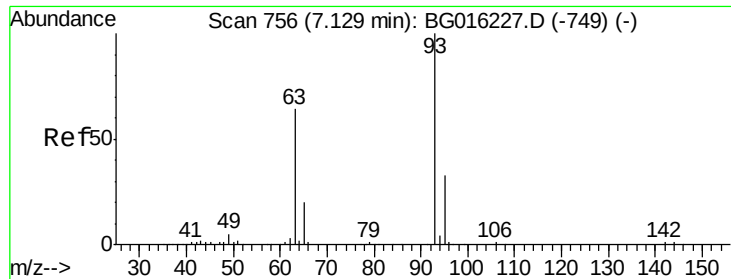
65 22.8 3.8 43.8

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

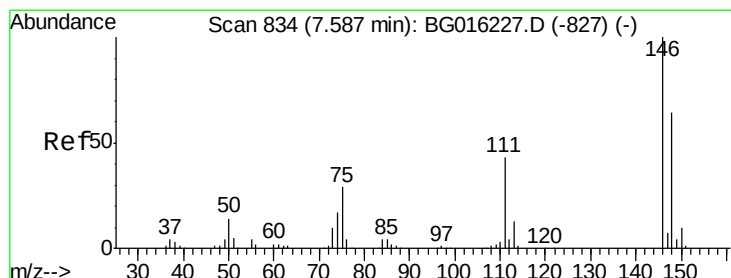
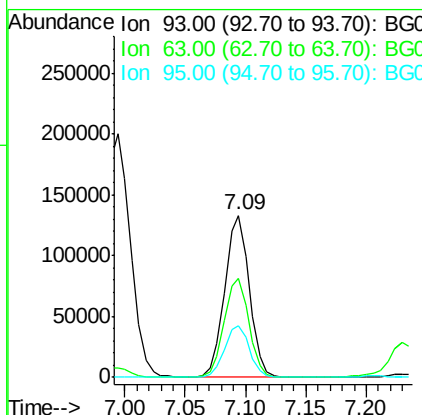
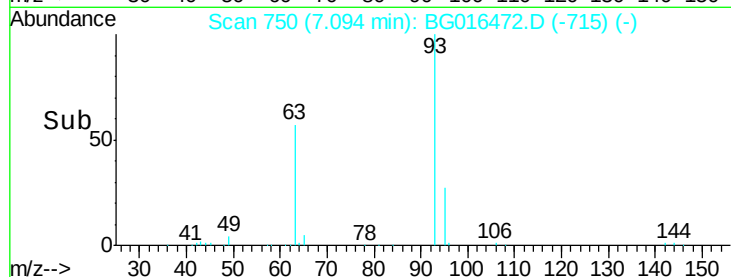
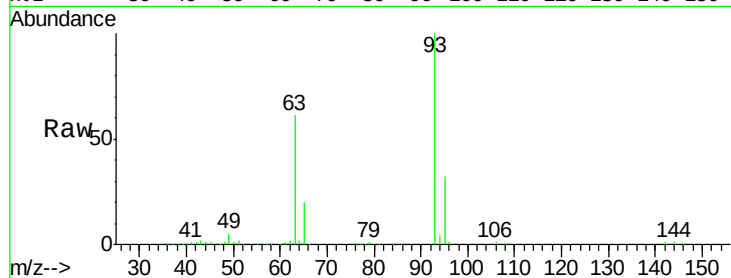




#11
bis(2-Chloroethyl)ether
Concen: 36.75 ng
RT: 7.09 min Scan# 750
Delta R.T. 0.01 min
Lab File: BG016472.D
Acq: 17 Apr 2015 00:53

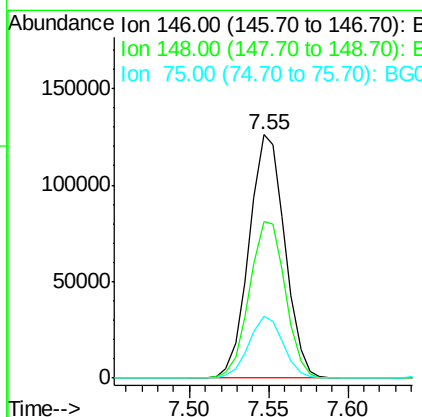
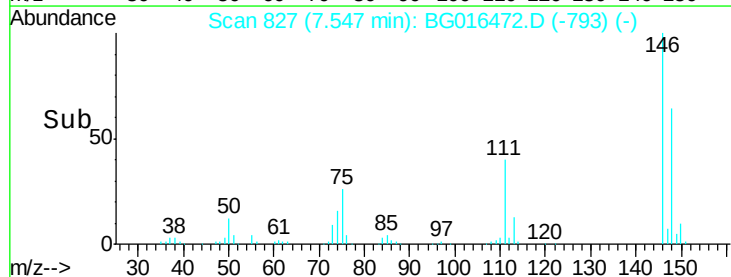
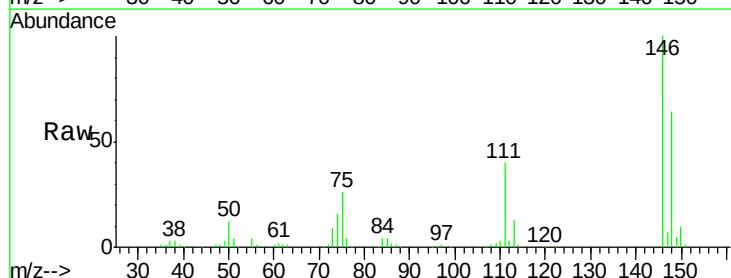
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

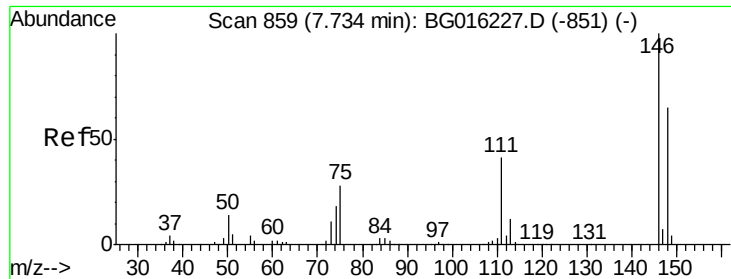
Tgt Ion:	93	Resp:	187247
Ion	Ratio	Lower	Upper
93	100		
63	60.9	44.1	84.1
95	31.6	12.5	52.5



#12
1,3-Dichlorobenzene
Concen: 40.89 ng
RT: 7.55 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG016472.D
Acq: 17 Apr 2015 00:53

Tgt Ion:	146	Resp:	197287
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.9	76.3
75	25.6	23.3	34.9

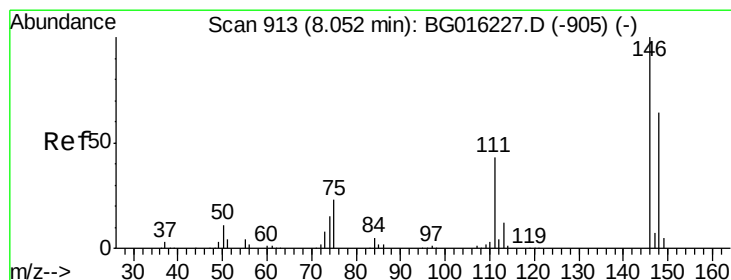
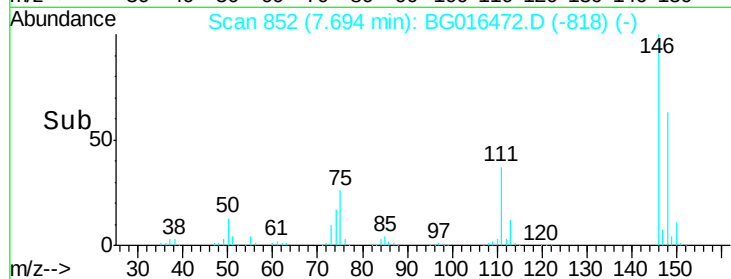
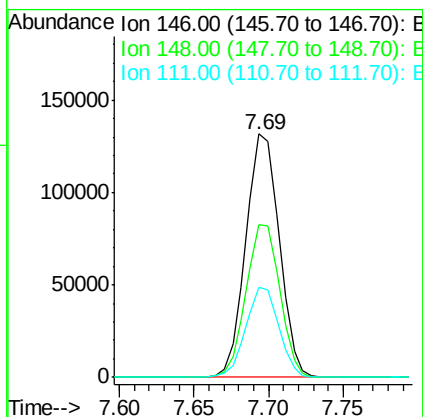
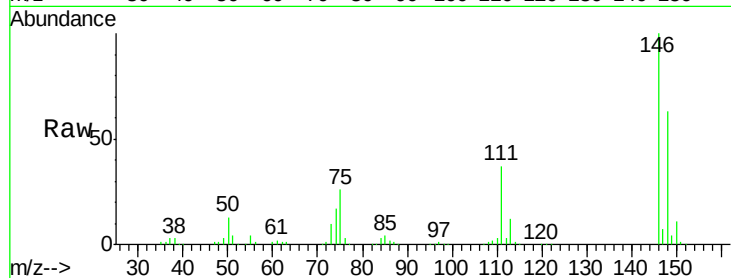




#13
 1,4-Dichlorobenzene
 Concen: 40.62 ng
 RT: 7.69 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BG016472.D
 Acq: 17 Apr 2015 00:53

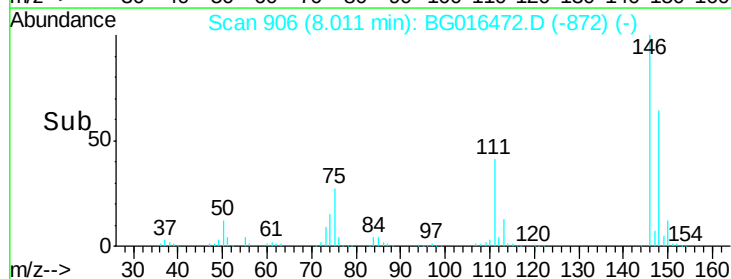
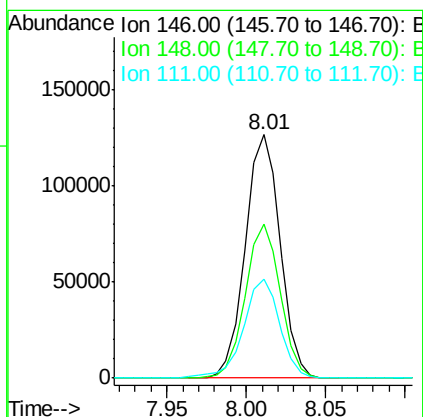
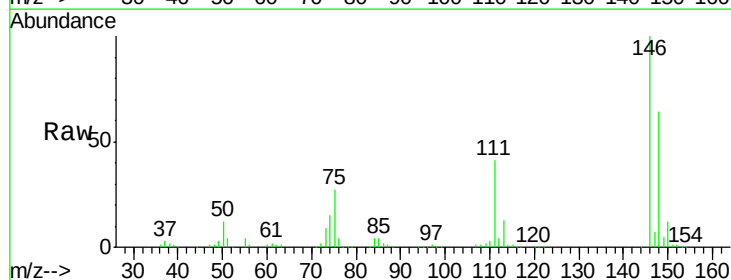
Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040EC

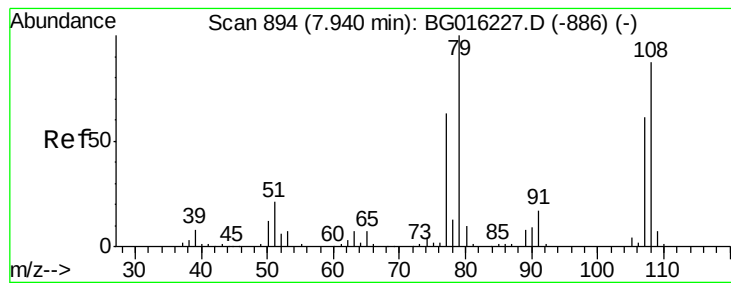
Tgt Ion:146 Resp: 203324
 Ion Ratio Lower Upper
 146 100
 148 62.8 52.0 78.0
 111 37.2 32.6 49.0



#14
 1,2-Dichlorobenzene
 Concen: 40.27 ng
 RT: 8.01 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BG016472.D
 Acq: 17 Apr 2015 00:53

Tgt Ion:146 Resp: 192796
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.9 76.3
 111 40.6 34.7 52.1





#15

Benzyl Alcohol

Concen: 37.87 ng

RT: 7.91 min Scan# 888

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040EC

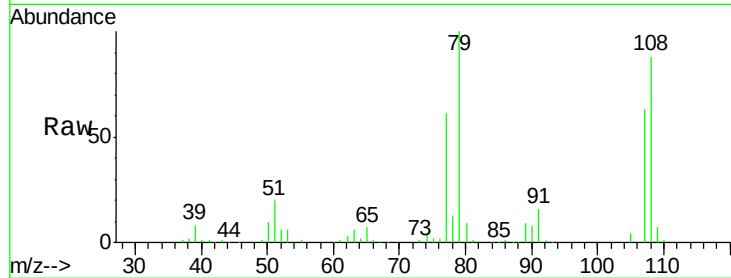
Tgt Ion: 79 Resp: 157664

Ion Ratio Lower Upper

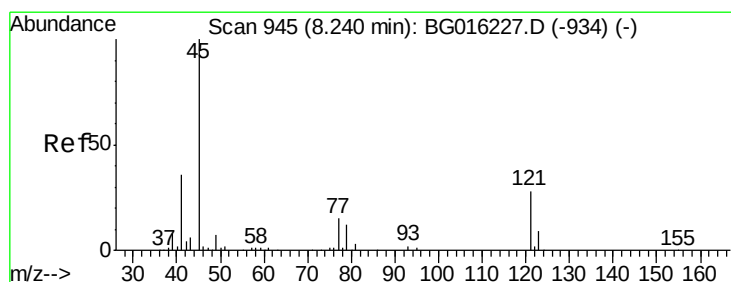
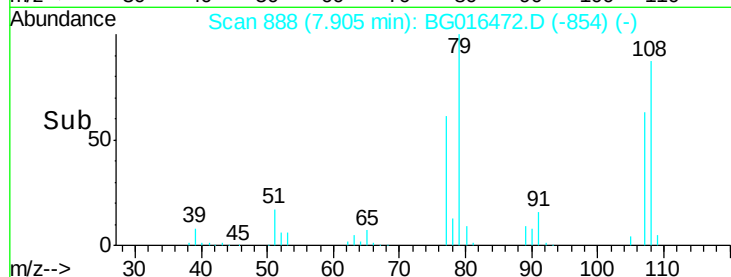
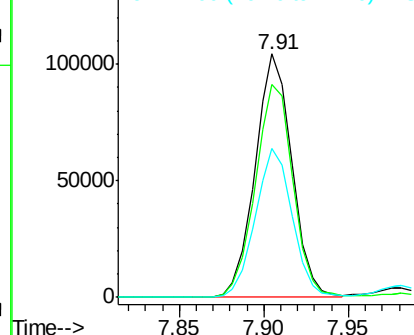
79 100

108 87.6 69.3 103.9

77 61.4 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: 32.93 ng

RT: 8.20 min Scan# 938

Delta R.T. -0.00 min

Lab File: BG016472.D

Acq: 17 Apr 2015 00:53

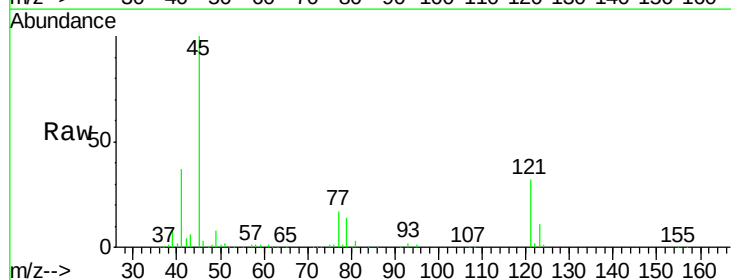
Tgt Ion: 45 Resp: 189003

Ion Ratio Lower Upper

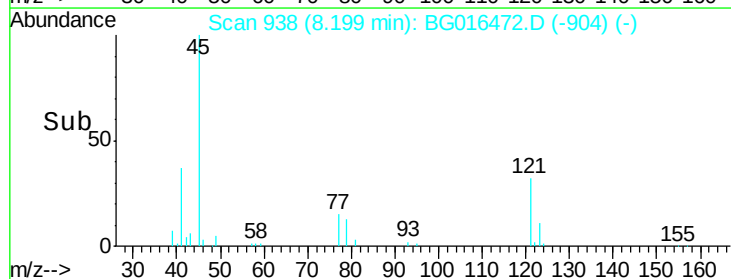
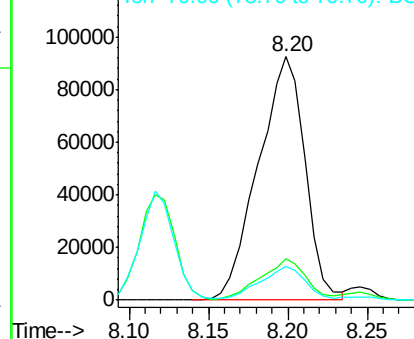
45 100

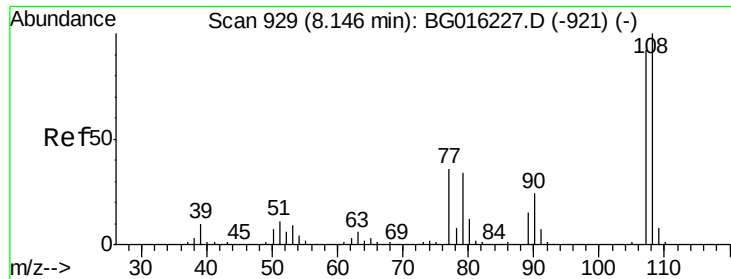
77 17.2 0.0 35.3

79 13.8 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

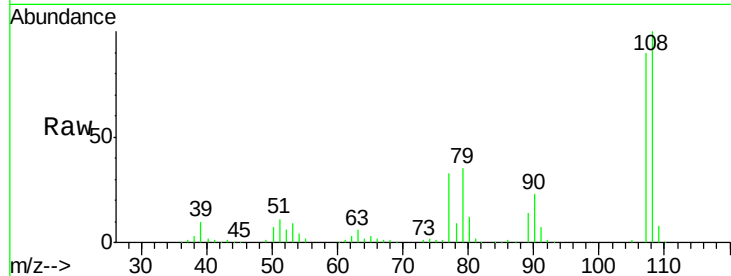




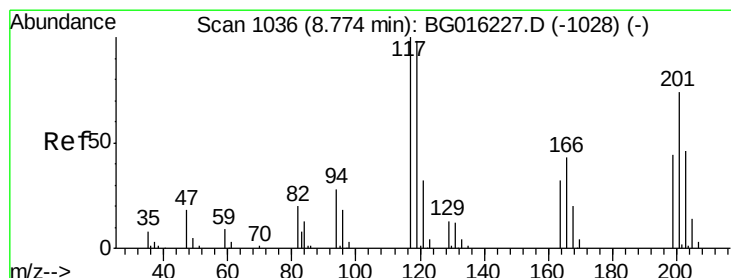
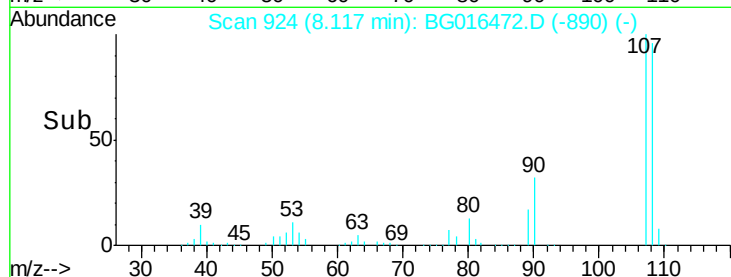
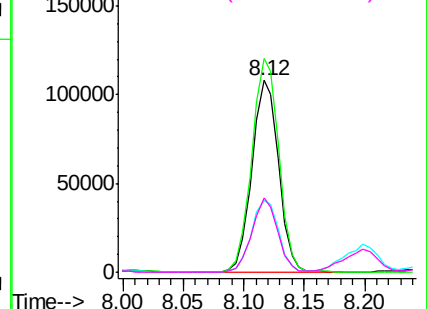
#17
2-Methylphenol
Concen: 38.94 ng
RT: 8.12 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG016472.D
Acq: 17 Apr 2015 00:53

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion:	107	Resp:	166879
Ion	Ratio	Lower	Upper
107	100		
108	111.4	87.2	130.8
77	37.2	31.1	46.7
79	38.5	29.7	44.5

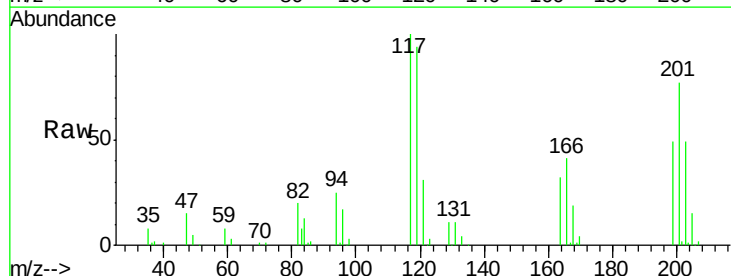


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

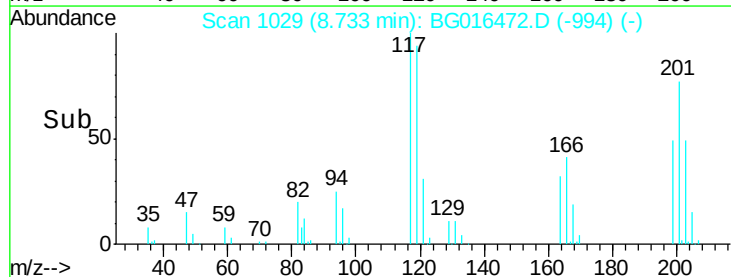
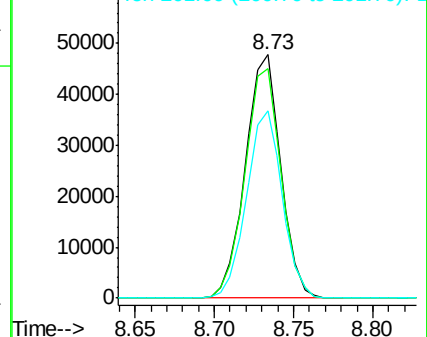


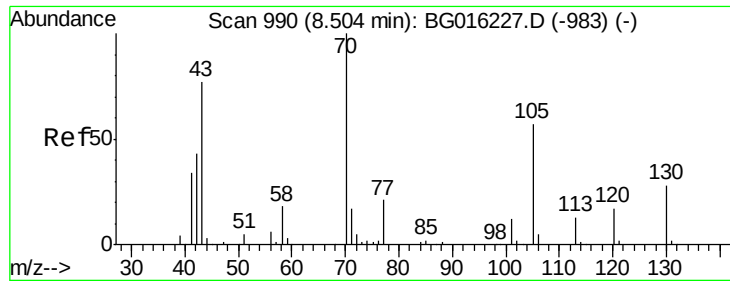
#18
Hexachloroethane
Concen: 38.57 ng
RT: 8.73 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BG016472.D
Acq: 17 Apr 2015 00:53

Tgt Ion:	117	Resp:	73863
Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.8	118.2
201	77.1	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

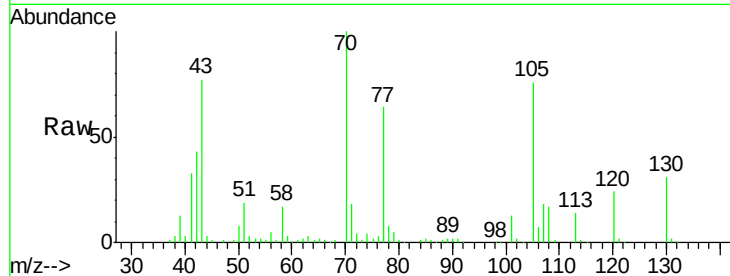




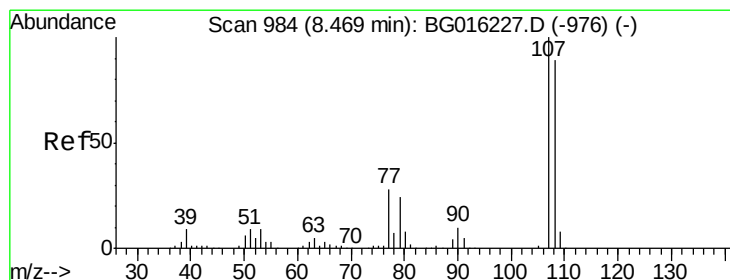
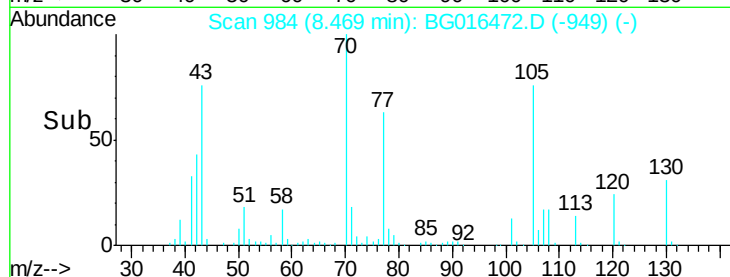
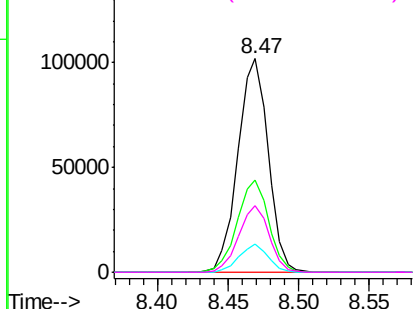
#19
n-Nitroso-di-n-propylamine
Concen: 35.77 ng
RT: 8.47 min Scan# 984
Delta R.T. 0.01 min
Lab File: BG016472.D
Acq: 17 Apr 2015 00:53

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 153102
Ion Ratio Lower Upper
70 100
42 43.3 34.7 52.1
101 13.1 9.2 13.8
130 31.2 22.6 33.8

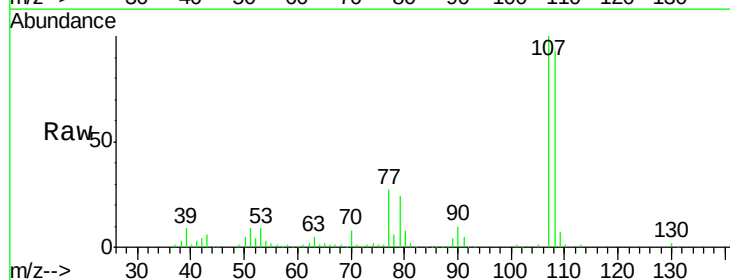


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 39.45 ng
RT: 8.45 min Scan# 980
Delta R.T. -0.00 min
Lab File: BG016472.D
Acq: 17 Apr 2015 00:53

Tgt Ion: 107 Resp: 234172
Ion Ratio Lower Upper
107 100
108 93.1 69.5 109.5
77 27.0 8.2 48.2
79 23.6 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

