

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
 Data File : BG016416.D
 Acq On : 15 Apr 2015 11:13
 Operator : TP/IZ
 Sample : G1822-03MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FS-025MS

Quant Time: Apr 16 03:17:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 14:00:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	88238	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	431386	20.00	ng	-0.01
38) Acenaphthene-d10	14.31	164	266144	20.00	ng	0.00
63) Phenanthrene-d10	17.06	188	555702	20.00	ng	0.00
75) Chrysene-d12	21.23	240	470258	20.00	ng	0.00
86) Perylene-d12	23.47	264	426337	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	586947	104.98	ng	-0.01
7) Phenol-d6	6.86	99	863678	102.90	ng	0.00
23) Nitrobenzene-d5	8.82	82	446344	59.94	ng	-0.01
41) 2,4,6-Tribromophenol	15.80	330	179642	99.81	ng	0.00
44) 2-Fluorobiphenyl	12.93	172	934353	59.77	ng	0.00
78) Terphenyl-d14	19.68	244	1118687	55.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.14	88	61432	24.17	ng	100
3) Pyridine	3.53	79	175596	23.12	ng	96
4) n-Nitrosodimethylamine	3.45	42	61207	27.10	ng	99
6) Aniline	7.00	93	258499	21.57	ng	98
8) 2-Chlorophenol	7.23	128	231416	34.47	ng	97
9) Benzaldehyde	6.81	77	64381	13.10	ng	96
10) Phenol	6.88	94	327241	36.44	ng	100
11) bis(2-Chloroethyl)ether	7.10	93	212051	29.61	ng	98
12) 1,3-Dichlorobenzene	7.56	146	203501	30.01	ng	98
13) 1,4-Dichlorobenzene	7.70	146	206768	29.40	ng	99
14) 1,2-Dichlorobenzene	8.01	146	204555	30.41	ng	98
15) Benzyl Alcohol	7.91	79	183776	31.41	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.21	45	227589	28.22	ng	97
17) 2-Methylphenol	8.12	107	203315	33.76	ng	98
18) Hexachloroethane	8.74	117	75823	28.18	ng	99
19) n-Nitroso-di-n-propylamine	8.47	70	164717	27.39	ng	97
20) 3+4-Methylphenols	8.45	107	278771	33.42	ng	98
22) Acetophenone	8.49	105	309371	30.93	ng	98
24) Nitrobenzene	8.87	77	230844	28.99	ng	96
25) Isophorone	9.39	82	462730	27.98	ng	98
26) 2-Nitrophenol	9.58	139	131646	35.45	ng	94
27) 2,4-Dimethylphenol	9.64	122	229187	33.13	ng	98
28) bis(2-Chloroethoxy)methane	9.88	93	280929	29.76	ng	99
29) 2,4-Dichlorophenol	10.11	162	201412	36.80	ng	98
30) 1,2,4-Trichlorobenzene	10.32	180	177870	31.13	ng	99
31) Naphthalene	10.50	128	683831	30.42	ng	99
32) Benzoic acid	9.74	122	42169	16.38	ng	98
33) 4-Chloroaniline	10.62	127	241669	22.91	ng	98
34) Hexachlorobutadiene	10.79	225	75012	29.88	ng	99
35) Caprolactam	11.39	113	74123	21.51	ng	97
36) 4-Chloro-3-methylphenol	11.76	107	248080	34.31	ng	97
37) 2-Methylnaphthalene	12.12	142	503914	31.16	ng	99
39) 1,2,4,5-Tetrachlorobenzene	12.49	216	171726	29.31	ng	99
40) Hexachlorocyclopentadiene	12.47	237	135163	50.39	ng	99

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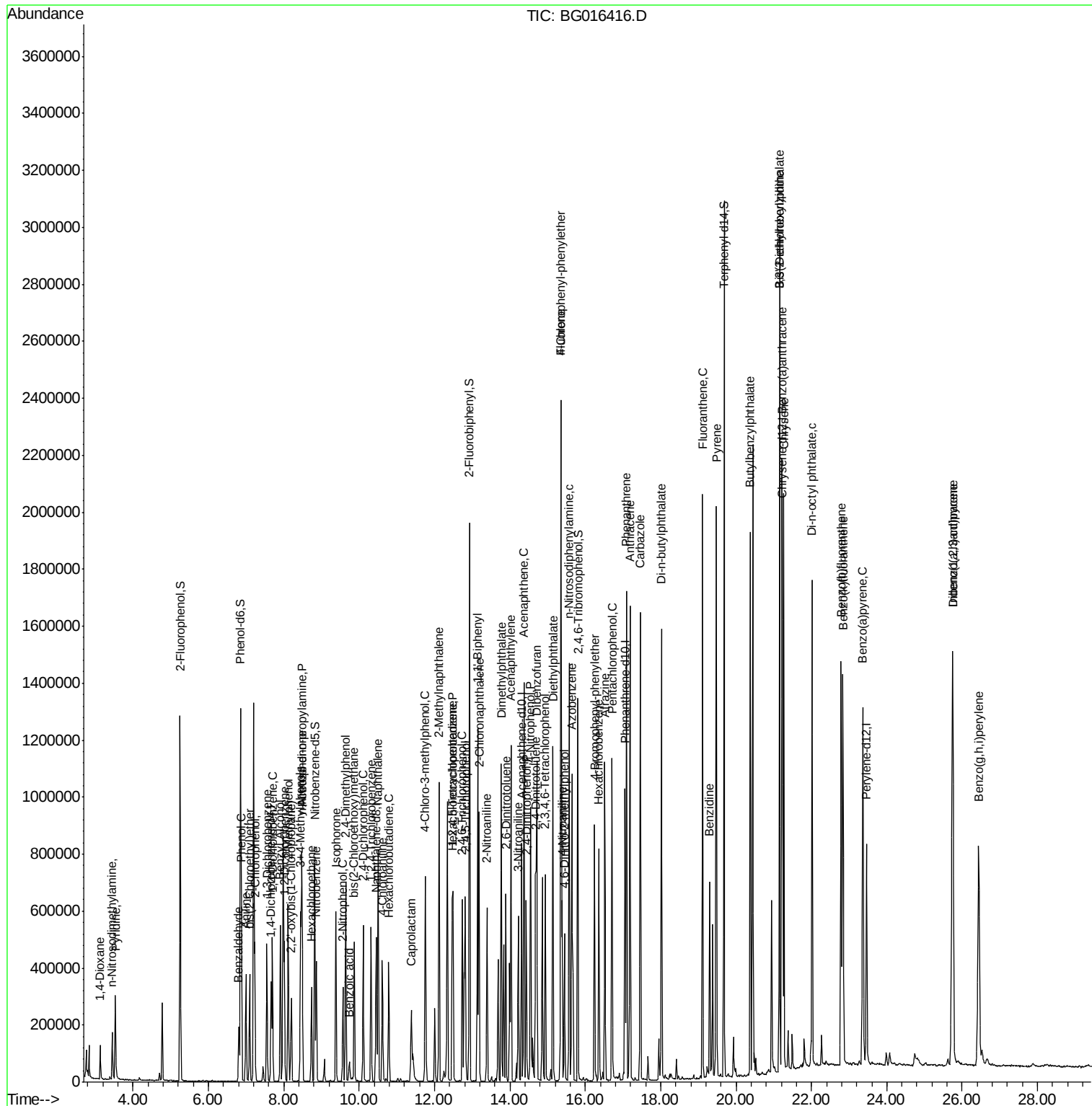
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.74	196	142385	32.70	ng	95
43) 2,4,5-Trichlorophenol	12.82	196	158718	34.12	ng	95
45) 1,1'-Biphenyl	13.14	154	622085	30.47	ng	99
46) 2-Chloronaphthalene	13.18	162	464928	29.89	ng	99
47) 2-Nitroaniline	13.40	65	154432	30.81	ng	93
48) Acenaphthylene	14.03	152	805321	29.12	ng	99
49) Dimethylphthalate	13.77	163	716885	36.75	ng	99
50) 2,6-Dinitrotoluene	13.89	165	152212	32.26	ng	97
51) Acenaphthene	14.38	154	493020	29.83	ng	98
52) 3-Nitroaniline	14.22	138	166885	27.70	ng	94
53) 2,4-Dinitrophenol	14.44	184	156611	59.70	ng	96
54) Dibenzofuran	14.71	168	716757	31.25	ng	99
55) 4-Nitrophenol	14.55	139	324785	65.23	ng	96
56) 2,4-Dinitrotoluene	14.68	165	210933	32.83	ng	95
57) Fluorene	15.36	166	624410	30.86	ng	100
58) 2,3,4,6-Tetrachlorophenol	14.94	232	120573	33.58	ng	96
59) Diethylphthalate	15.14	149	624848	30.09	ng	99
60) 4-Chlorophenyl-phenylether	15.35	204	255960	30.93	ng	97
61) 4-Nitroaniline	15.39	138	206898	30.26	ng	96
62) Azobenzene	15.65	77	789605	35.73	ng	99
64) 4,6-Dinitro-2-methylphenol	15.45	198	115035	30.92	ng	96
65) n-Nitrosodiphenylamine	15.58	169	558016	29.70	ng	99
66) 4-Bromophenyl-phenylether	16.25	248	136438	30.75	ng	97
67) Hexachlorobenzene	16.36	284	135702	29.43	ng	99
68) Atrazine	16.53	200	174434	33.32	ng	99
69) Pentachlorophenol	16.71	266	167180	59.37	ng	98
70) Phenanthrene	17.10	178	935079	29.92	ng	99
71) Anthracene	17.19	178	928240	29.97	ng	100
72) Carbazole	17.46	167	980170	31.53	ng	99
73) Di-n-butylphthalate	18.02	149	1136145	29.87	ng	100
74) Fluoranthene	19.11	202	1000782	31.06	ng	98
76) Benzidine	19.30	184	380806	19.10	ng	100
77) Pyrene	19.48	202	1034985	31.61	ng	99
79) Butylbenzylphthalate	20.38	149	534097	33.20	ng	97
80) Benzo(a)anthracene	21.22	228	849183	30.55	ng	100
81) 3,3'-Dichlorobenzidine	21.16	252	257703	28.20	ng	99
82) Chrysene	21.27	228	806095	30.04	ng	100
83) Bis(2-ethylhexyl)phthalate	21.15	149	720716	33.09	ng	99
84) Di-n-octyl phthalate	22.02	149	1190840	33.56	ng	98
85) Indeno(1,2,3-cd)pyrene	25.74	276	864513	31.01	ng	99
87) Benzo(b)fluoranthene	22.79	252	799555	32.02	ng	99
88) Benzo(k)fluoranthene	22.84	252	770665	31.54	ng	99
89) Benzo(a)pyrene	23.37	252	767578	32.80	ng	99
90) Dibenzo(a,h)anthracene	25.75	278	723296	31.76	ng	99
91) Benzo(g,h,i)perylene	26.44	276	737934	32.44	ng	97

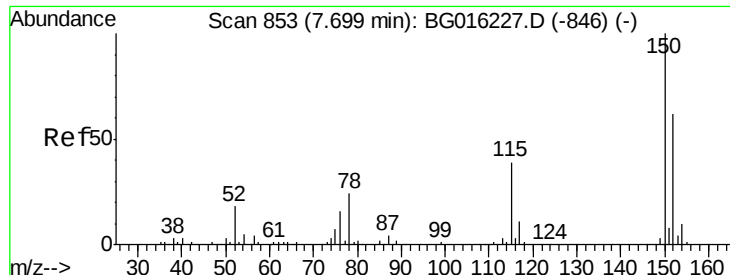
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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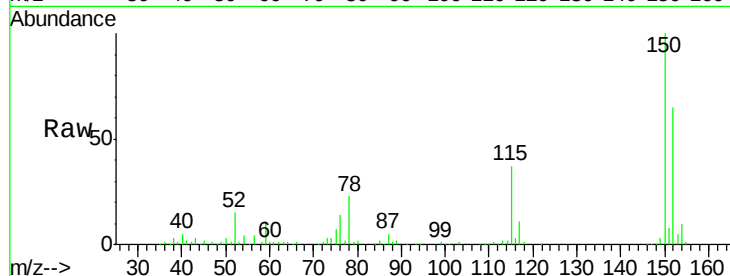


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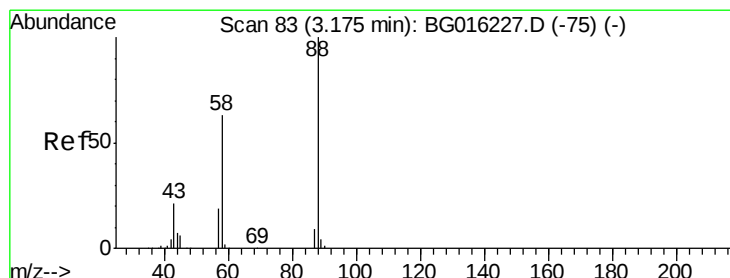
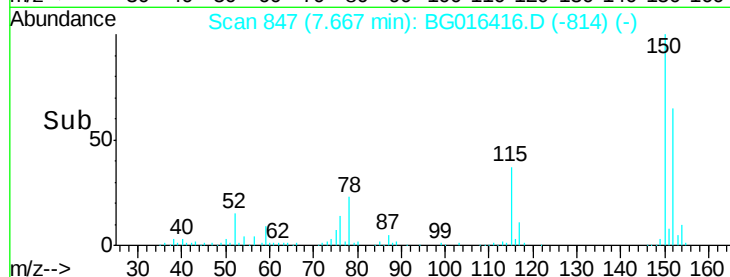
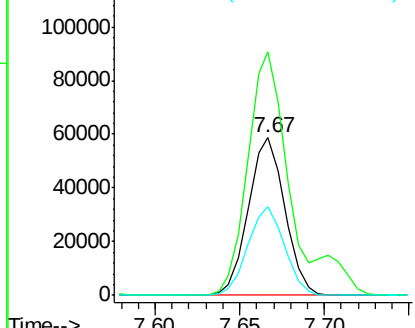
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.67 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BG016416.D
 Acq: 15 Apr 2015 11:13

Instrument :
 BNA_G
 ClientSampleId :
 FS-025MS

Tgt Ion:152 Resp: 88238
 Ion Ratio Lower Upper
 152 100
 150 154.3 130.1 195.1
 115 56.4 50.5 75.7



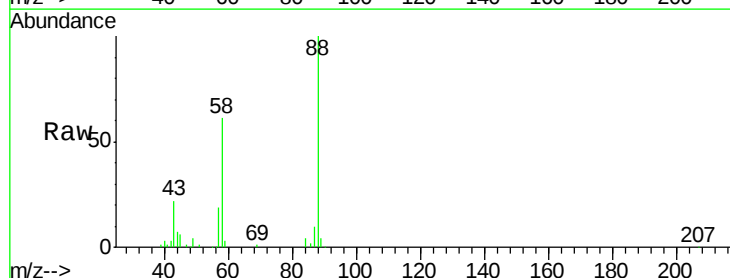
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



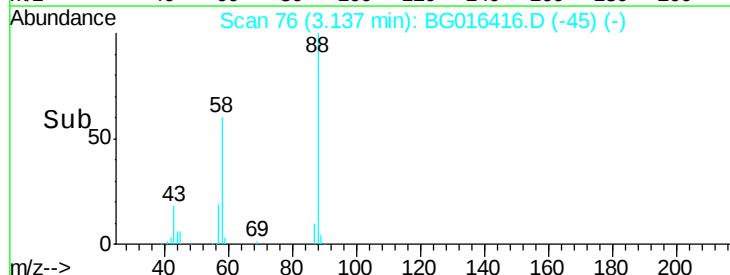
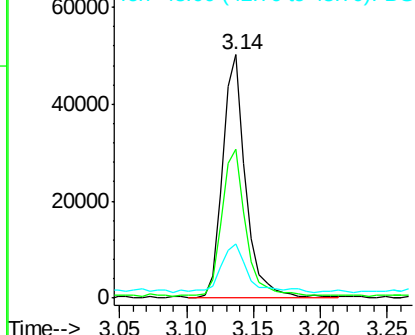
#2

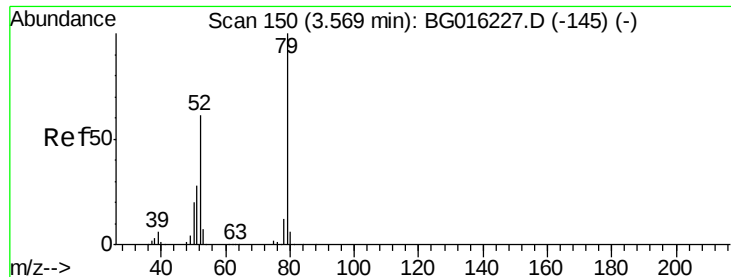
1,4-Dioxane
 Concen: 24.17 ng
 RT: 3.14 min Scan# 76
 Delta R.T. -0.02 min
 Lab File: BG016416.D
 Acq: 15 Apr 2015 11:13

Tgt Ion: 88 Resp: 61432
 Ion Ratio Lower Upper
 88 100
 58 63.3 50.6 76.0
 43 22.1 17.0 25.4



Abundance Ion 88.00 (87.70 to 88.70): BGC
 Ion 58.00 (57.70 to 58.70): BGC
 Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 23.12 ng

RT: 3.53 min Scan# 143

Delta R.T. -0.02 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

Instrument :

BNA_G

ClientSampleId :

FS-025MS

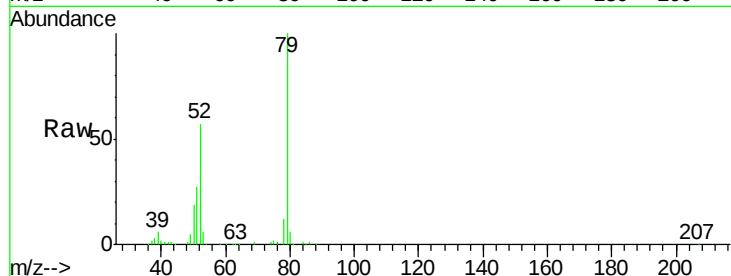
Tgt Ion: 79 Resp: 175596

Ion Ratio Lower Upper

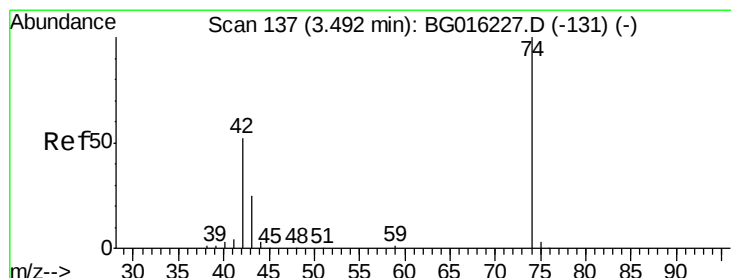
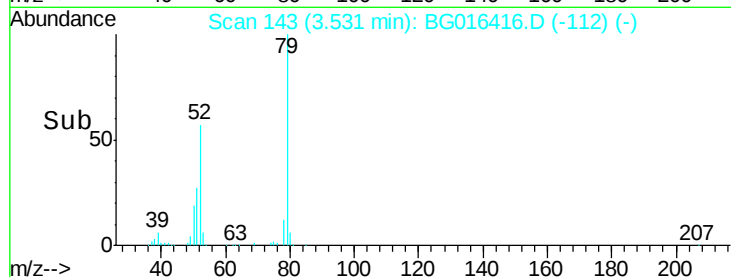
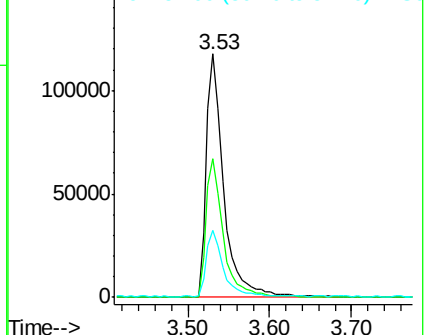
79 100

52 56.9 49.0 73.4

51 27.3 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: 27.10 ng

RT: 3.45 min Scan# 129

Delta R.T. -0.02 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

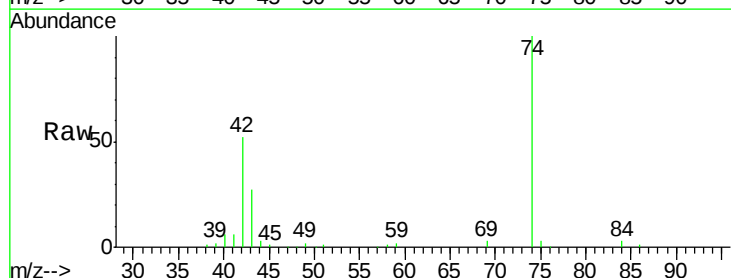
Tgt Ion: 42 Resp: 61207

Ion Ratio Lower Upper

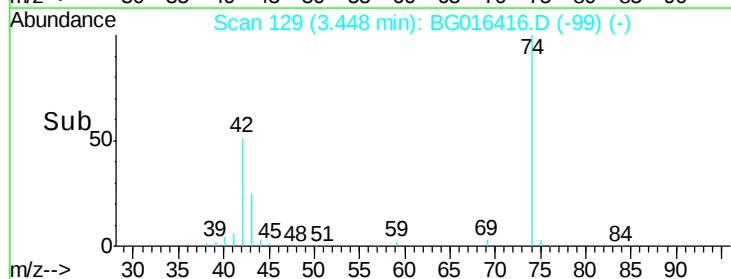
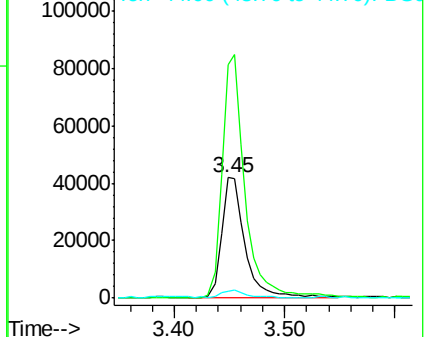
42 100

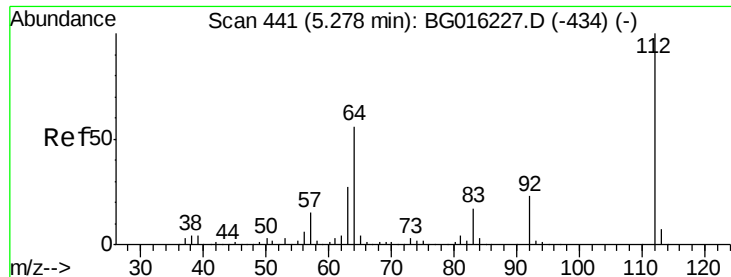
74 193.1 153.7 230.5

44 5.9 5.3 7.9



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 104.98 ng

RT: 5.25 min Scan# 436

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

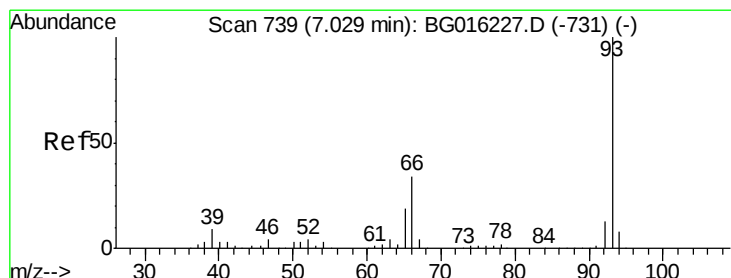
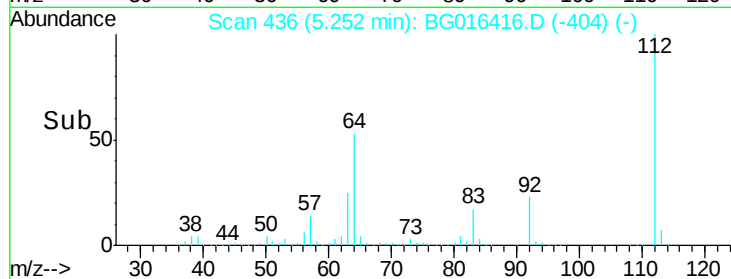
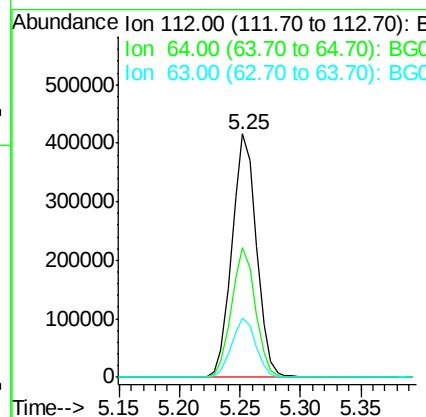
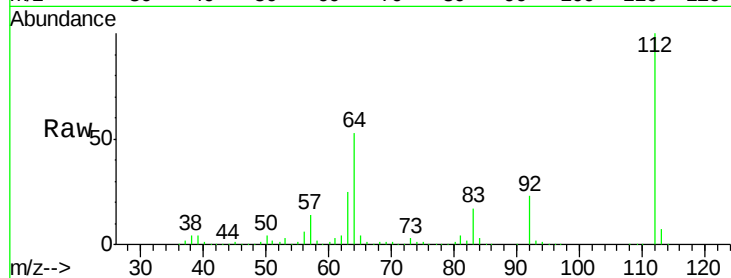
Instrument :

BNA_G

ClientSampleId :

FS-025MS

Tgt Ion:	112	Resp:	586947
Ion	Ratio	Lower	Upper
112	100		
64	53.2	44.5	66.7
63	24.6	21.4	32.0



#6

Aniline

Concen: 21.57 ng

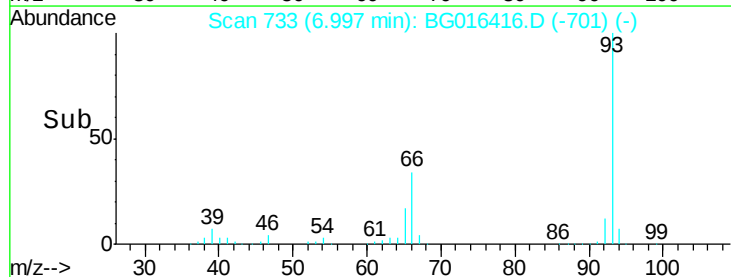
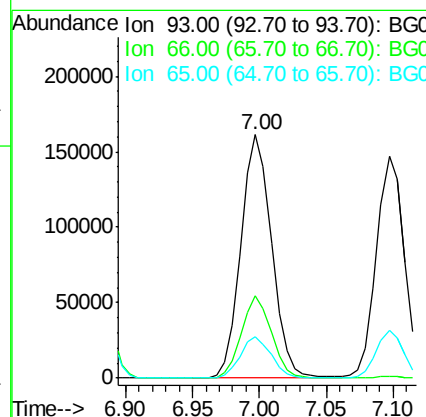
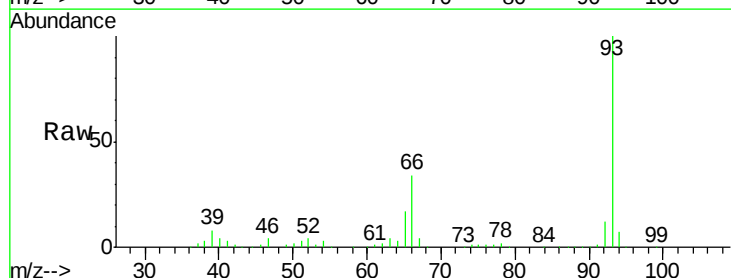
RT: 7.00 min Scan# 733

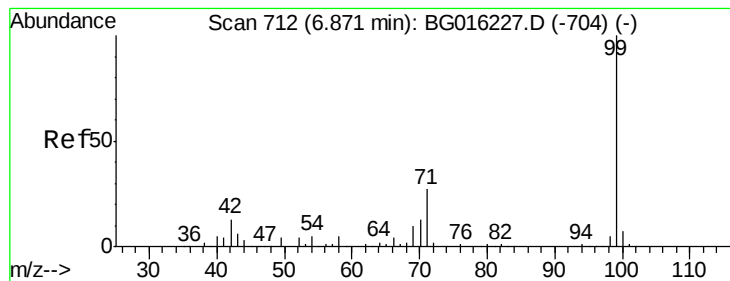
Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

Tgt Ion:	93	Resp:	258499
Ion	Ratio	Lower	Upper
93	100		
66	33.9	27.5	41.3
65	16.8	15.1	22.7





#7

Phenol-d6

Concen: 102.90 ng

RT: 6.86 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

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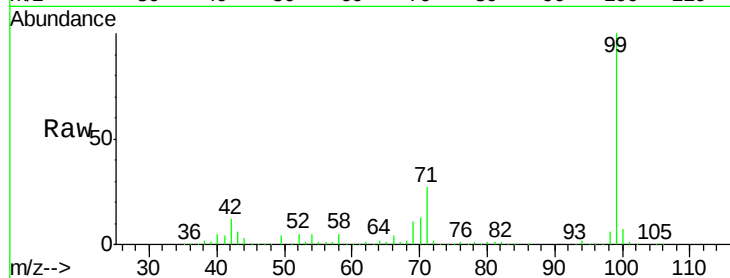
Tgt Ion: 99 Resp: 863678

Ion Ratio Lower Upper

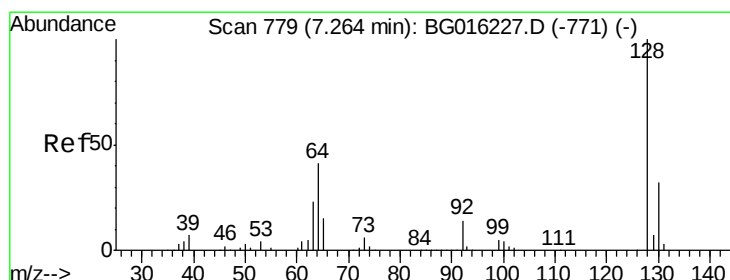
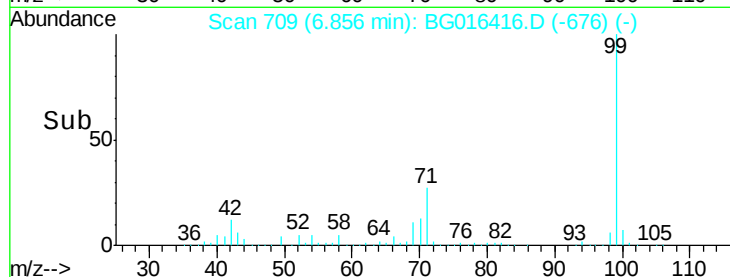
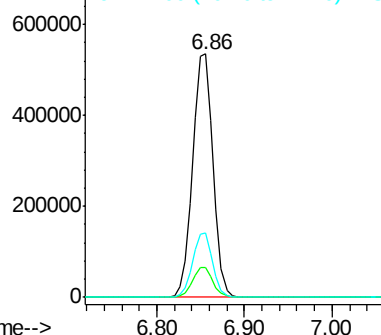
99 100

42 12.3 10.0 15.0

71 26.5 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: 34.47 ng

RT: 7.23 min Scan# 773

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

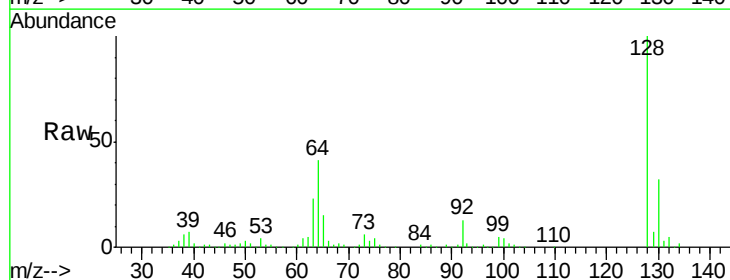
Tgt Ion: 128 Resp: 231416

Ion Ratio Lower Upper

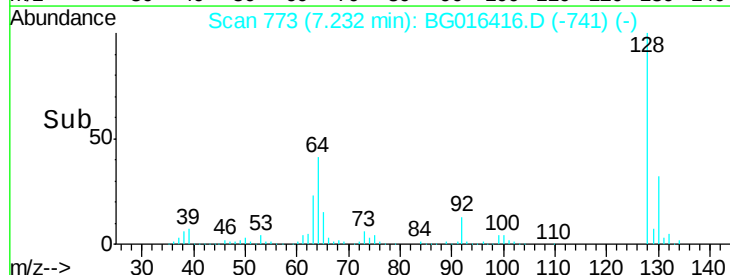
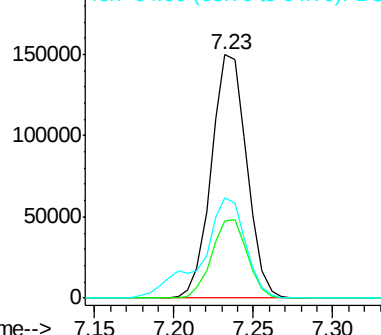
128 100

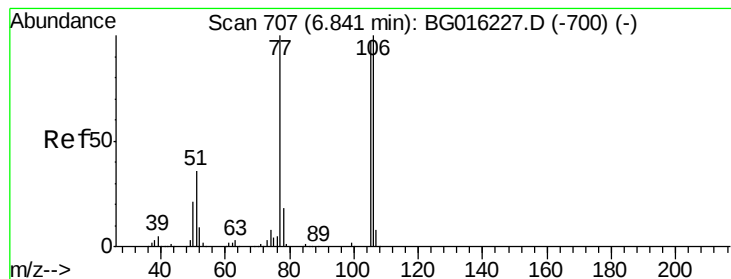
130 31.9 11.6 51.6

64 41.0 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: 13.10 ng

RT: 6.81 min Scan# 701

Delta R.T. -0.01 min

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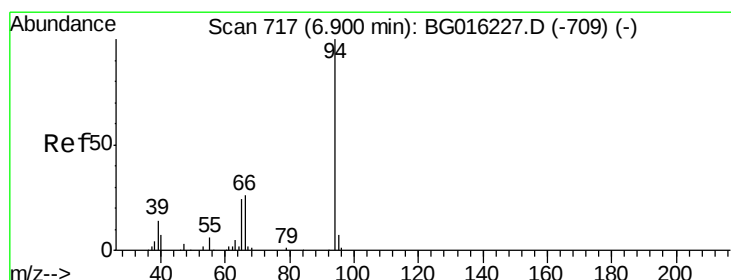
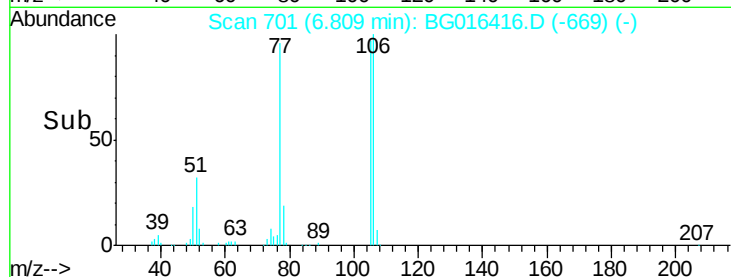
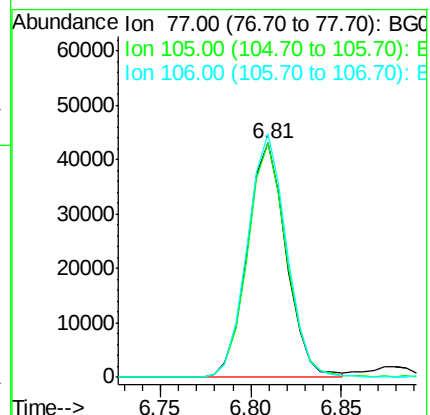
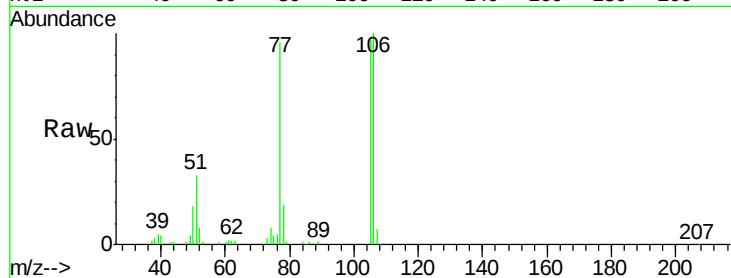
Tgt Ion: 77 Resp: 64381

Ion Ratio Lower Upper

77 100

105 100.4 76.8 116.8

106 104.0 80.1 120.1



#10

Phenol

Concen: 36.44 ng

RT: 6.88 min Scan# 713

Delta R.T. -0.01 min

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Acq: 15 Apr 2015 11:13

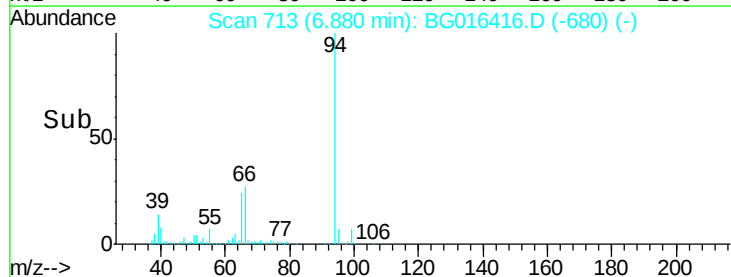
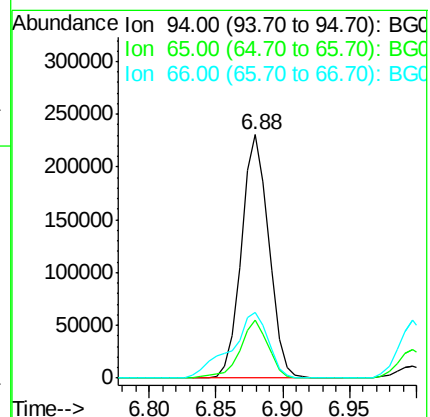
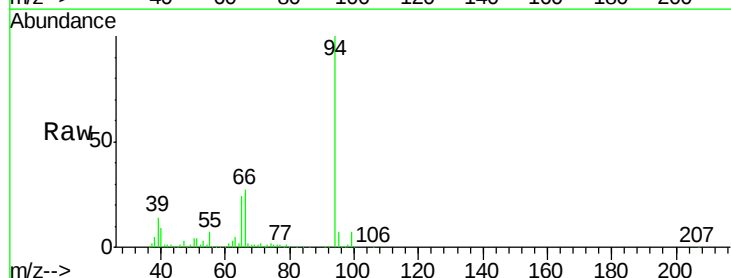
Tgt Ion: 94 Resp: 327241

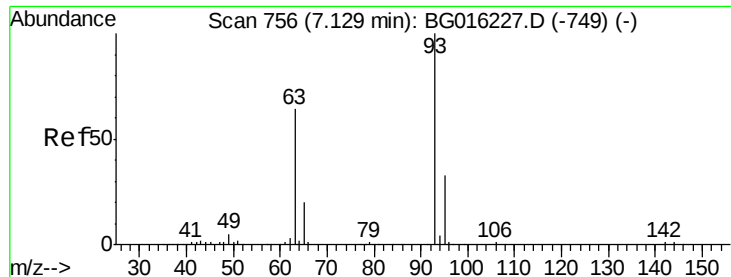
Ion Ratio Lower Upper

94 100

65 23.8 3.8 43.8

66 27.2 7.4 47.4





#11

bis(2-Chloroethyl)ether

Concen: 29.61 ng

RT: 7.10 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

Instrument :

BNA_G

ClientSampleId :

FS-025MS

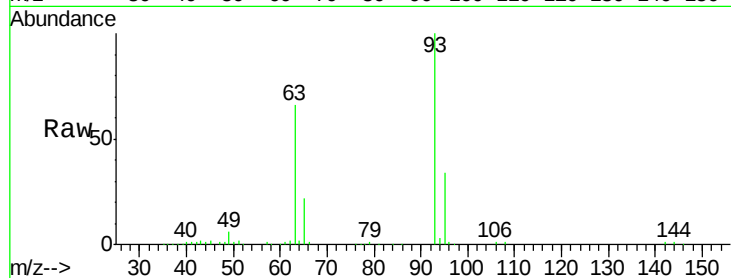
Tgt Ion: 93 Resp: 212051

Ion Ratio Lower Upper

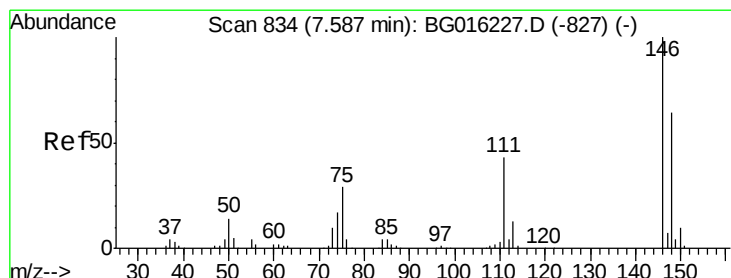
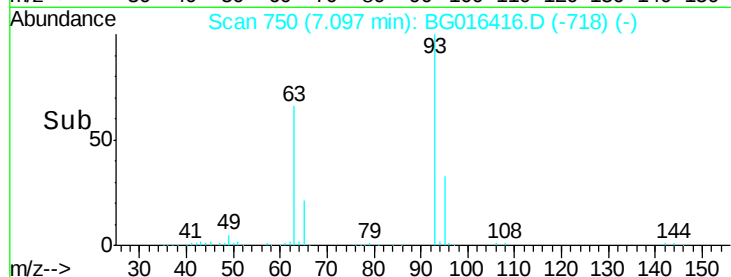
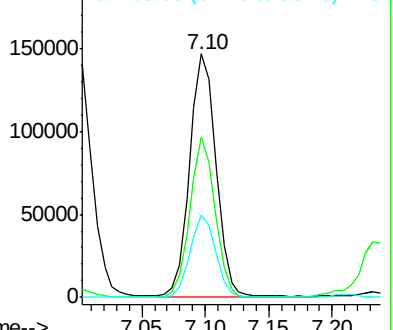
93 100

63 65.8 44.1 84.1

95 33.6 12.5 52.5



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: 30.01 ng

RT: 7.56 min Scan# 828

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

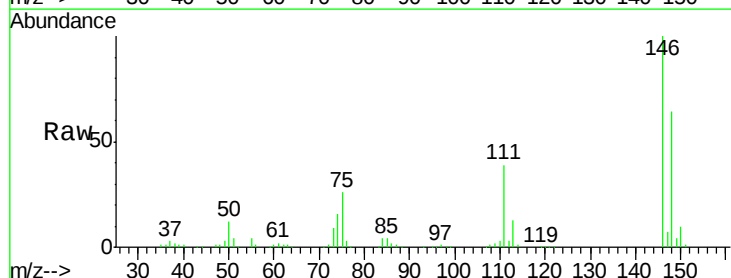
Tgt Ion: 146 Resp: 203501

Ion Ratio Lower Upper

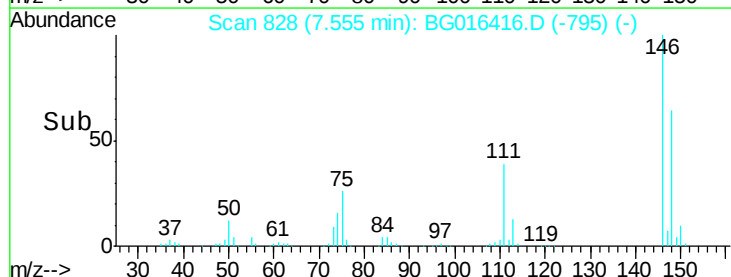
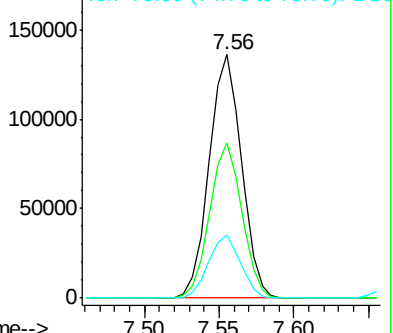
146 100

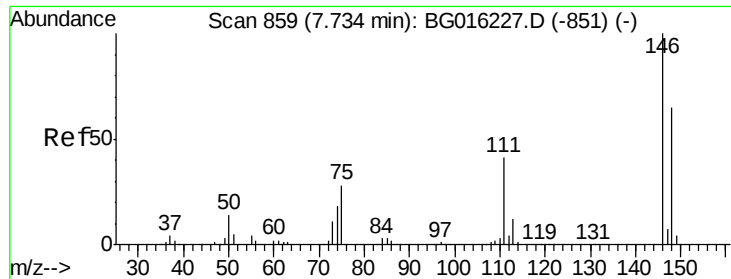
148 63.7 50.9 76.3

75 26.1 23.3 34.9



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

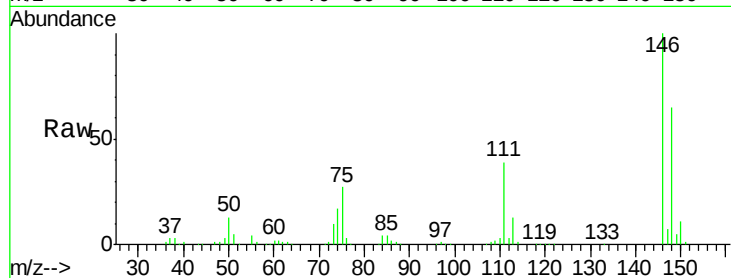




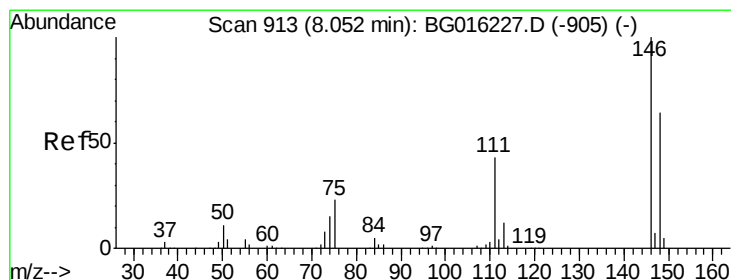
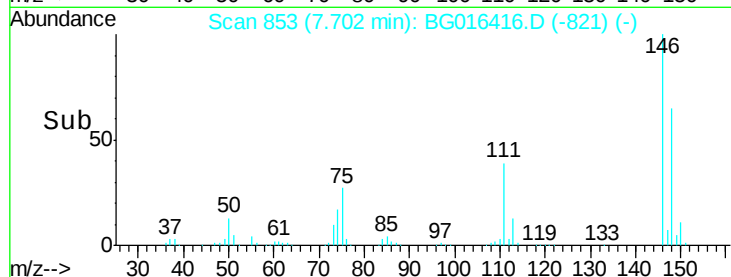
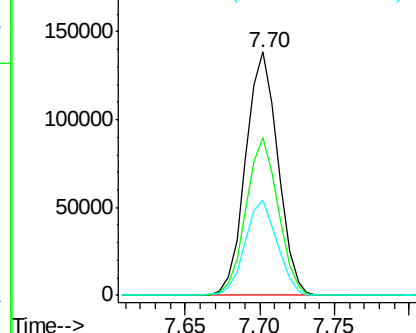
#13
 1,4-Dichlorobenzene
 Concen: 29.40 ng
 RT: 7.70 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: BG016416.D
 Acq: 15 Apr 2015 11:13

Instrument :
 BNA_G
 ClientSampleId :
 FS-025MS

Tgt Ion:146 Resp: 206768
 Ion Ratio Lower Upper
 146 100
 148 64.8 52.0 78.0
 111 39.0 32.6 49.0

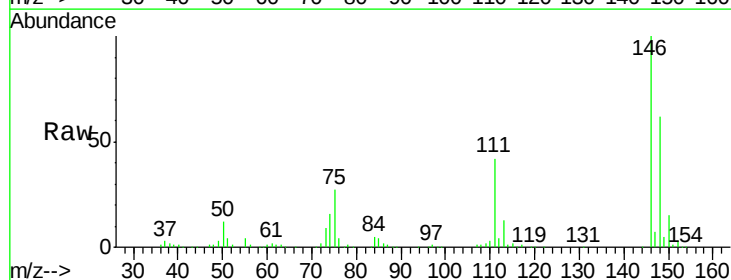


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

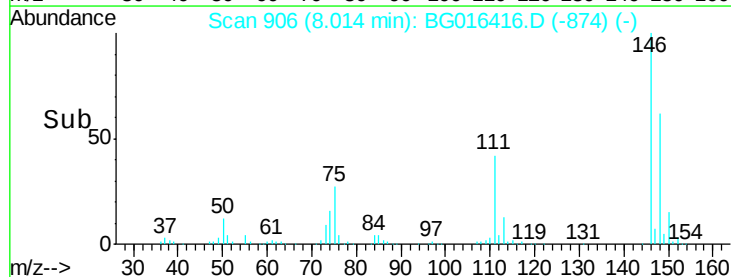
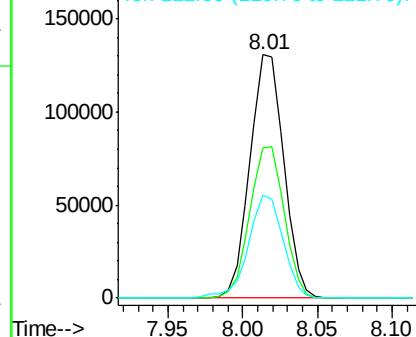


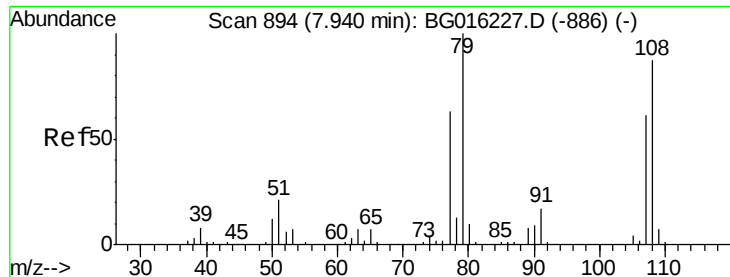
#14
 1,2-Dichlorobenzene
 Concen: 30.41 ng
 RT: 8.01 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BG016416.D
 Acq: 15 Apr 2015 11:13

Tgt Ion:146 Resp: 204555
 Ion Ratio Lower Upper
 146 100
 148 61.8 50.9 76.3
 111 42.2 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: 31.41 ng

RT: 7.91 min Scan# 888

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

Instrument :

BNA_G

ClientSampleId :

FS-025MS

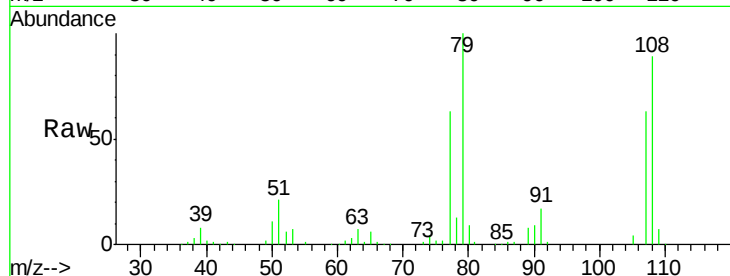
Tgt Ion: 79 Resp: 183776

Ion Ratio Lower Upper

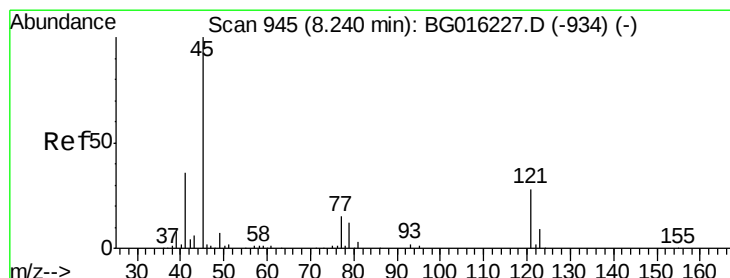
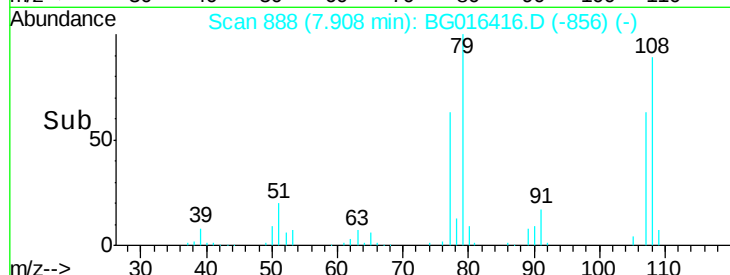
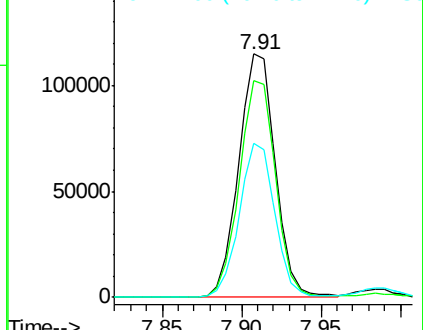
79 100

108 89.1 69.3 103.9

77 63.1 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: 28.22 ng

RT: 8.21 min Scan# 939

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

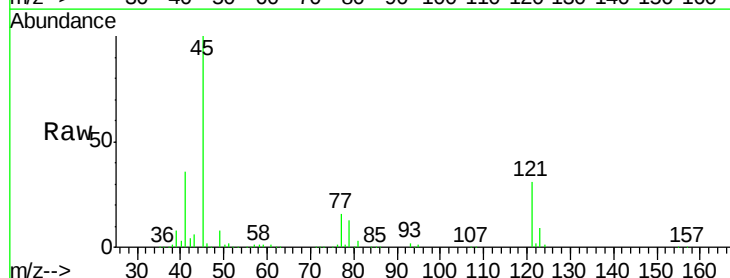
Tgt Ion: 45 Resp: 227589

Ion Ratio Lower Upper

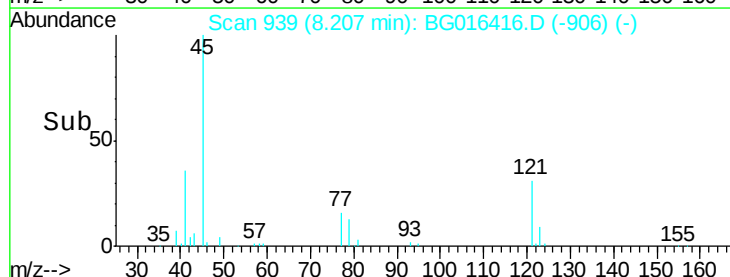
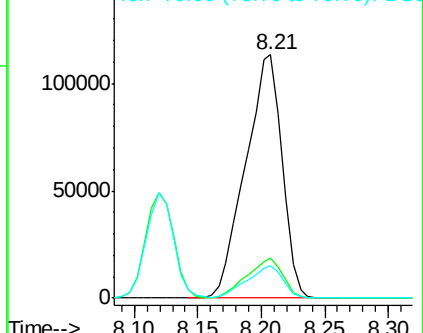
45 100

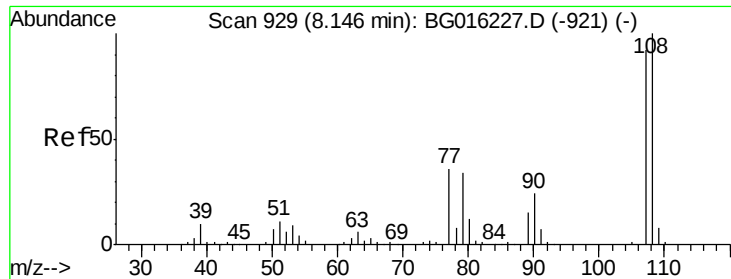
77 16.5 0.0 35.3

79 13.2 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

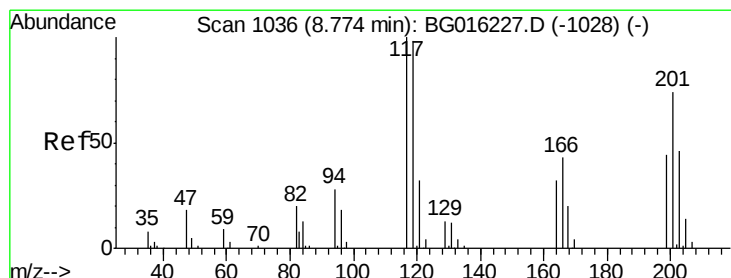
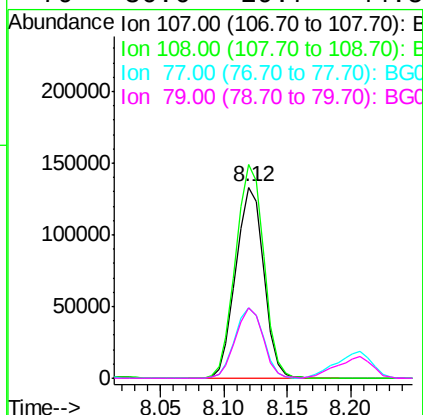
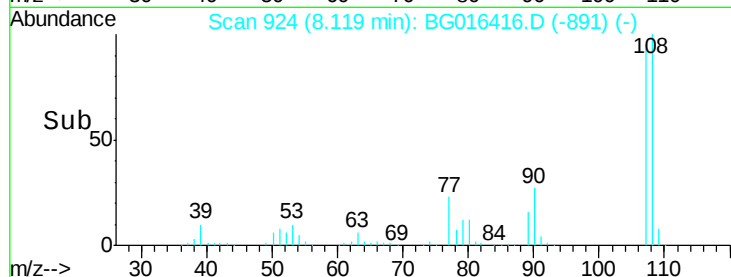
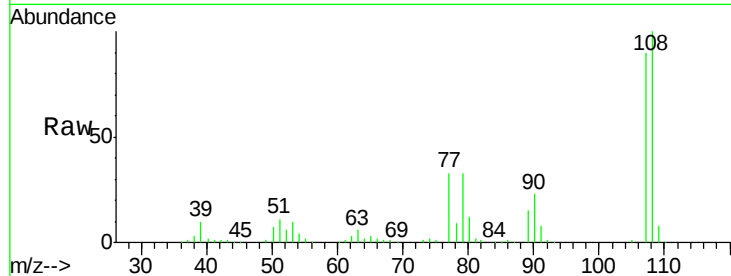




#17
2-Methylphenol
Concen: 33.76 ng
RT: 8.12 min Scan# 924
Delta R.T. -0.01 min
Lab File: BG016416.D
Acq: 15 Apr 2015 11:13

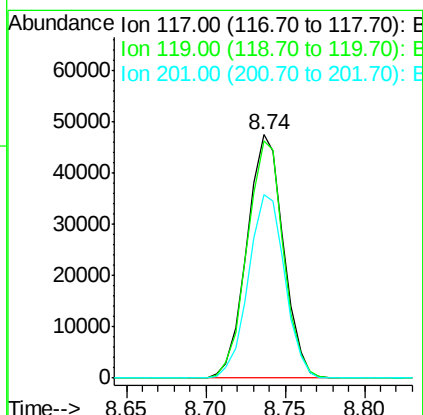
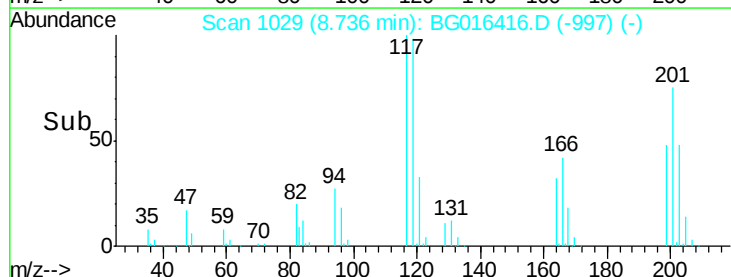
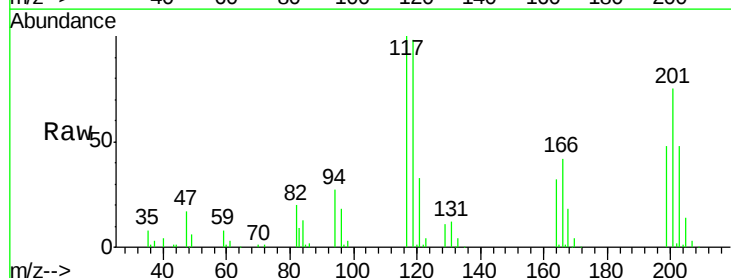
Instrument :
BNA_G
ClientSampleId :
FS-025MS

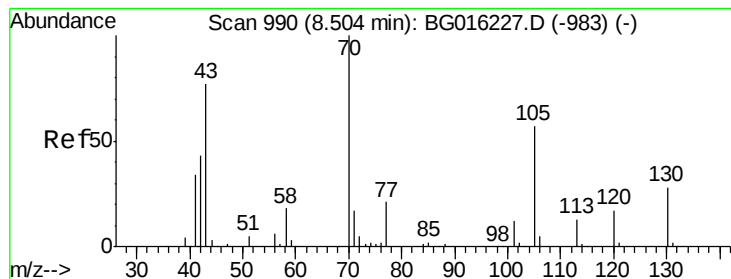
Tgt Ion:	107	Resp:	203315
Ion	Ratio	Lower	Upper
107	100		
108	111.7	87.2	130.8
77	36.8	31.1	46.7
79	36.6	29.7	44.5



#18
Hexachloroethane
Concen: 28.18 ng
RT: 8.74 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG016416.D
Acq: 15 Apr 2015 11:13

Tgt Ion:	117	Resp:	75823
Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.8	118.2
201	75.5	59.0	88.4





#19

n-Nitroso-di-n-propylamine

Concen: 27.39 ng

RT: 8.47 min Scan# 984

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

Instrument :

BNA_G

ClientSampleId :

FS-025MS

Tgt Ion: 70 Resp: 164717

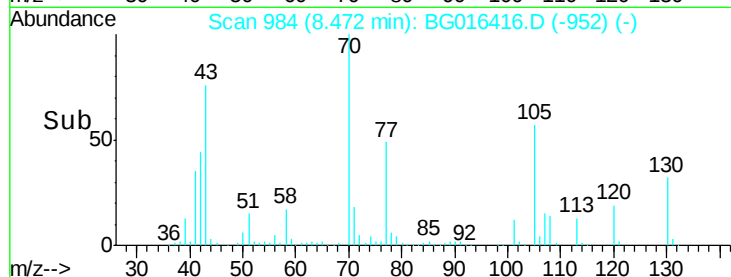
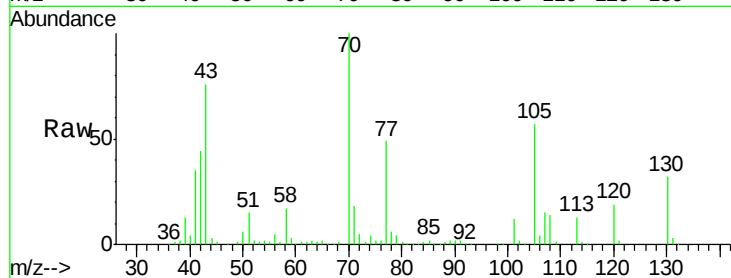
Ion Ratio Lower Upper

70 100

42 44.3 34.7 52.1

101 11.7 9.2 13.8

130 31.9 22.6 33.8



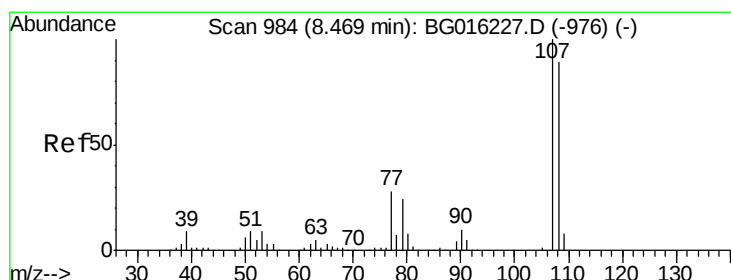
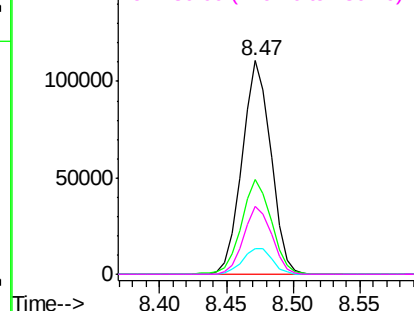
Abundance

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: 33.42 ng

RT: 8.45 min Scan# 980

Delta R.T. -0.01 min

Lab File: BG016416.D

Acq: 15 Apr 2015 11:13

Tgt Ion: 107 Resp: 278771

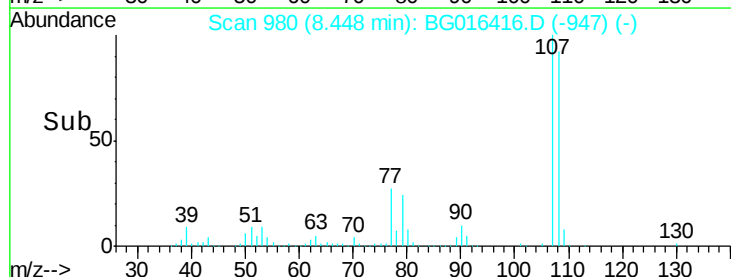
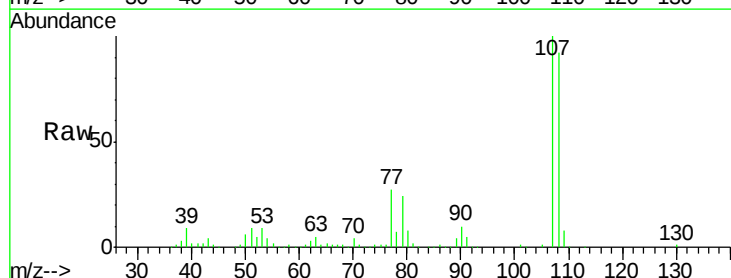
Ion Ratio Lower Upper

107 100

108 92.2 69.5 109.5

77 27.1 8.2 48.2

79 24.2 3.8 43.8



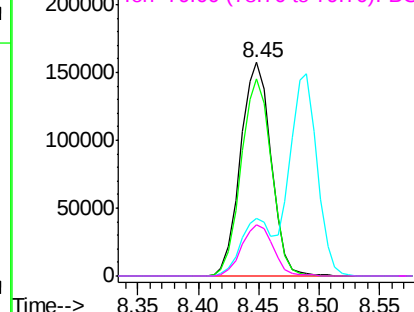
Abundance

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

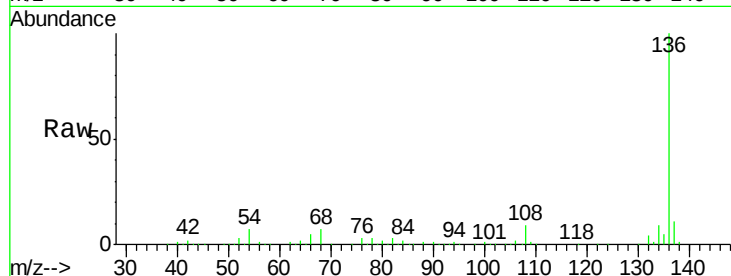




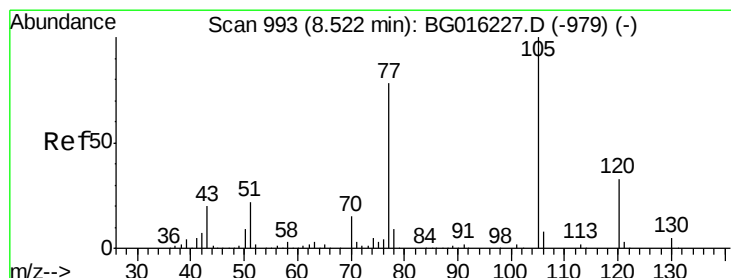
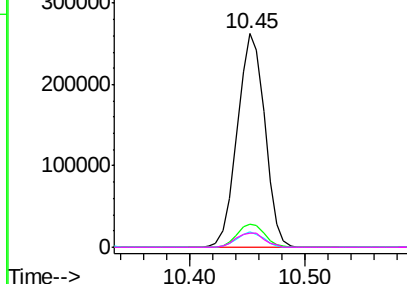
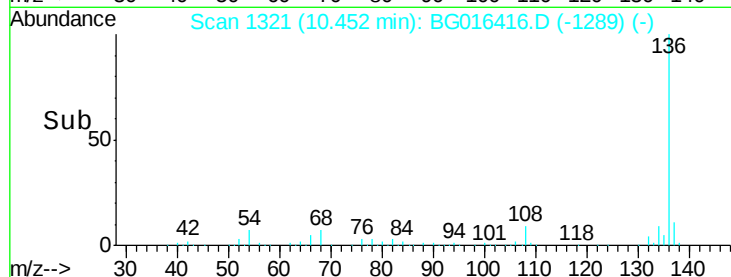
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.45 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG016416.D
Acq: 15 Apr 2015 11:13

Instrument :
BNA_G
ClientSampleId :
FS-025MS

Tgt Ion:	136	Resp:	431386
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.4	6.3	9.5
68	6.7	6.5	9.7

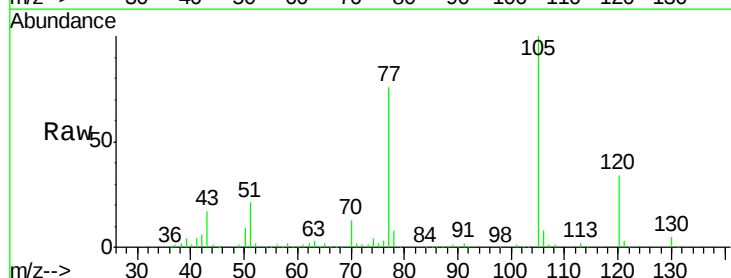


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 30.93 ng
RT: 8.49 min Scan# 987
Delta R.T. -0.01 min
Lab File: BG016416.D
Acq: 15 Apr 2015 11:13

Tgt Ion:	105	Resp:	309371
Ion	Ratio	Lower	Upper
105	100		
71	2.4	2.0	3.0
51	21.0	17.9	26.9
120	33.6	26.3	39.5



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

