

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041416\
 Data File : BG021670.D
 Acq On : 15 Apr 2016 2:30
 Operator : UM/SJ
 Sample : H2517-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S8-0573

Quant Time: Apr 15 04:03:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	36414	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	172607	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	108935	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	221630	20.00	ng	0.00
75) Chrysene-d12	21.84	240	249157	20.00	ng	0.00
86) Perylene-d12	25.18	264	244043	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.77	112	159840	73.10	ng	0.01
7) Phenol-d6	7.37	99	149058	45.63	ng	0.01
23) Nitrobenzene-d5	9.39	82	324299	96.57	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	178761	152.26	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	711952	95.76	ng	0.00
78) Terphenyl-d14	20.15	244	656961	65.79	ng	0.00

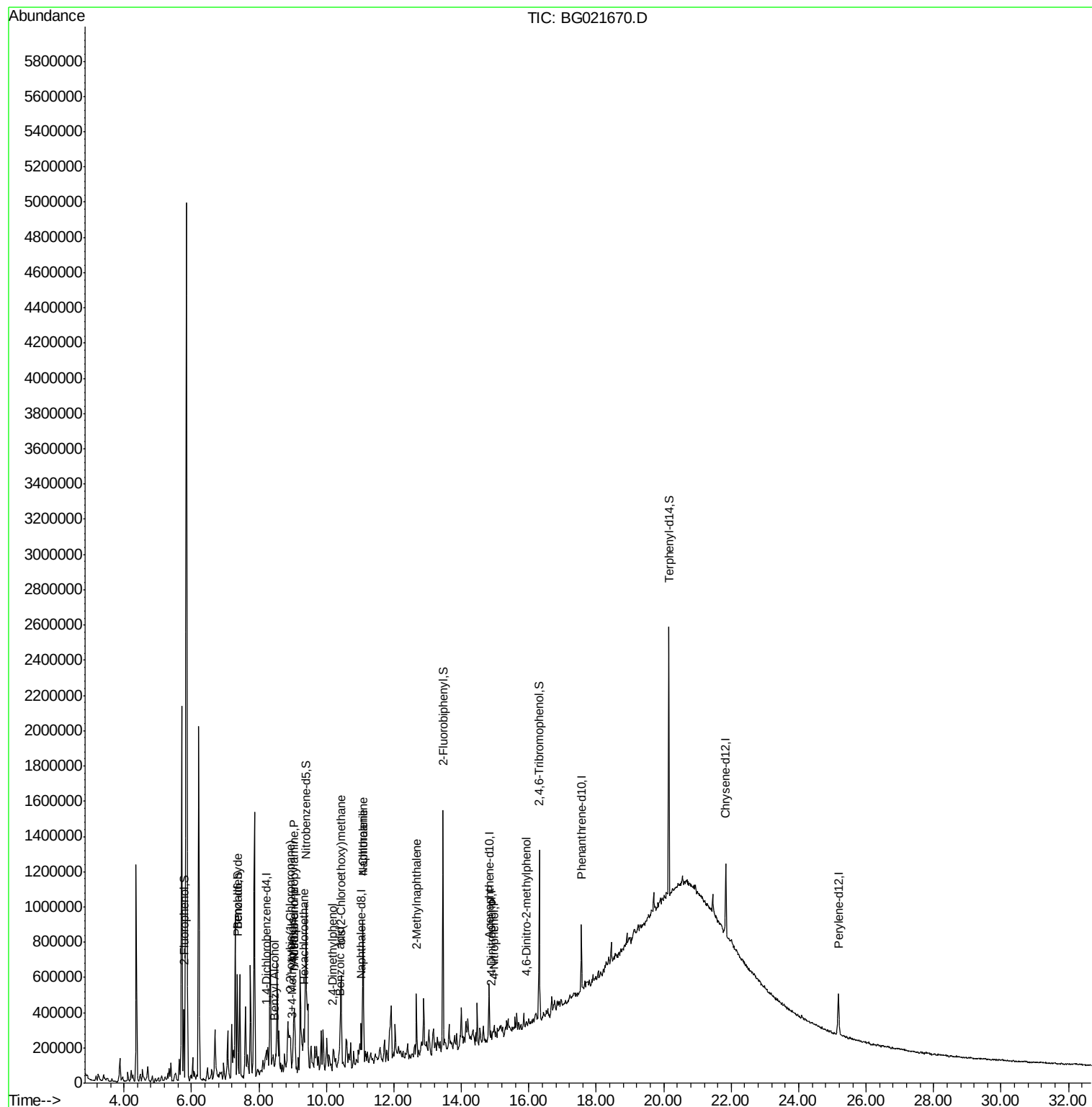
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.35	77	30251	16.02	ng	# 1
15) Benzyl Alcohol	8.45	79	7995	3.20	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	8.92	45	46598	7.74	ng	71
18) Hexachloroethane	9.33	117	21508	19.83	ng	# 1
19) n-Nitroso-di-n-propylamine	9.06	70	10703	4.22	ng	# 1
20) 3+4-Methylphenols	8.98	107	13954	4.20	ng	93
22) Acetophenone	9.04	105	169774	35.31	ng	# 96
27) 2,4-Dimethylphenol	10.19	122	35456	11.37	ng	96
28) bis(2-Chloroethoxy)methane	10.45	93	10209	2.61	ng	# 1
31) Naphthalene	11.08	128	651513	70.53	ng	# 93
32) Benzoic acid	10.39	122	35876	24.97	ng	# 83
33) 4-Chloroaniline	11.08	127	96030	24.01	ng	# 40
37) 2-Methylnaphthalene	12.67	142	171716	27.08	ng	97
53) 2,4-Dinitrophenol	14.89	184	378	7.95	ng	# 1
55) 4-Nitrophenol	14.97	139	8143	4.77	ng	# 40
64) 4,6-Dinitro-2-methylphenol	15.94	198	215	5.61	ng	# 1

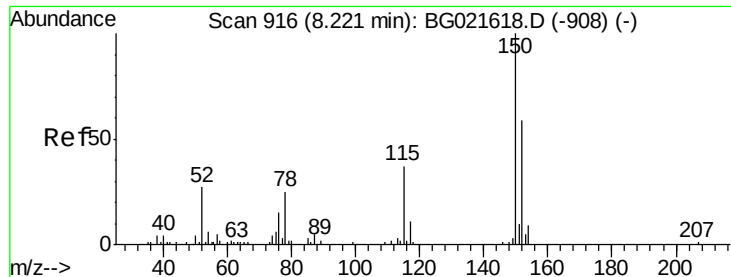
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

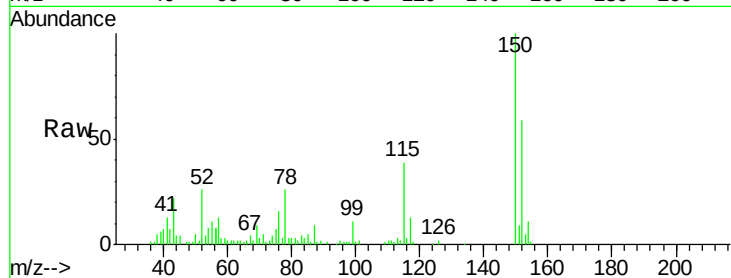
Tgt Ion:152 Resp: 36414

Ion Ratio Lower Upper

152 100

150 168.5 130.1 195.1

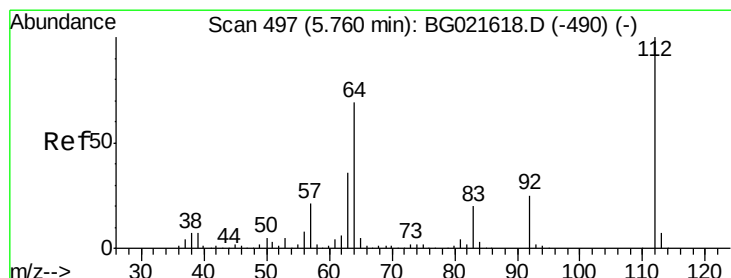
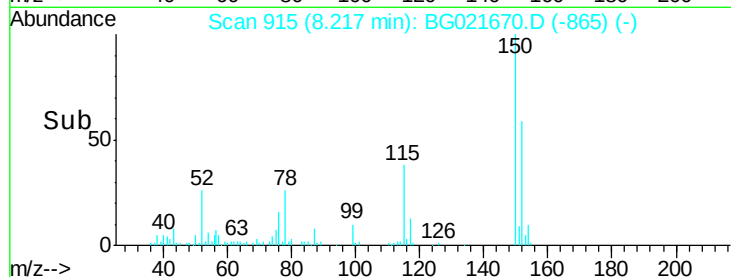
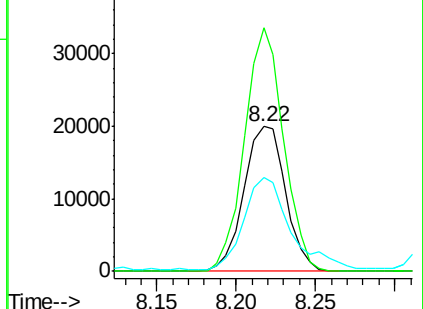
115 65.3 62.2 93.2



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



#5

2-Fluorophenol

Concen: 73.10 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

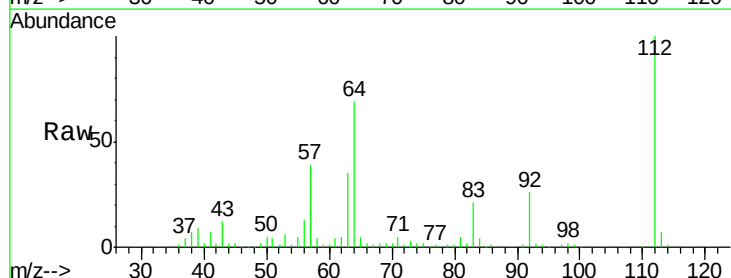
Tgt Ion:112 Resp: 159840

Ion Ratio Lower Upper

112 100

64 68.7 51.1 76.7

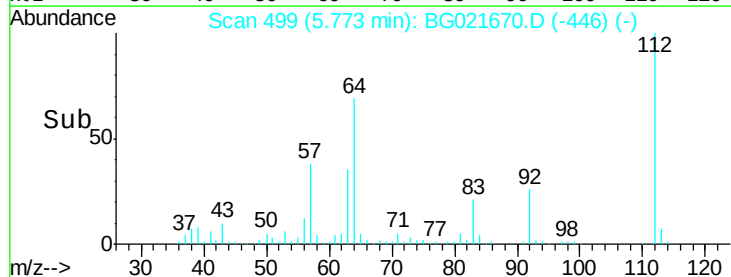
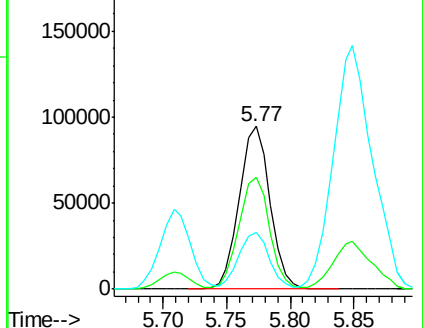
63 34.8 24.6 37.0

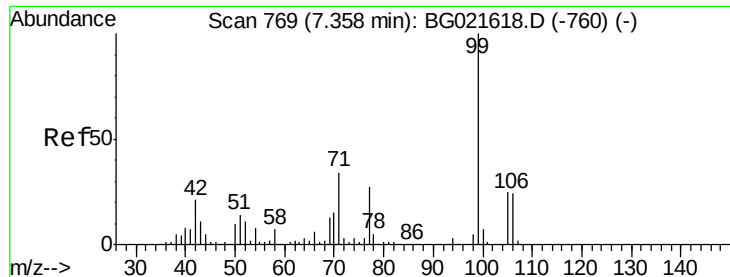


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 45.63 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampled :

S8-0573

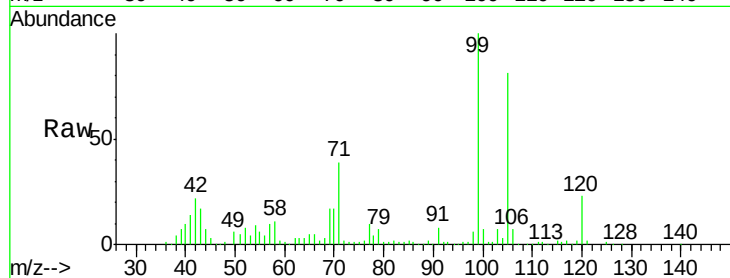
Tgt Ion: 99 Resp: 149058

Ion Ratio Lower Upper

99 100

42 22.1 16.4 24.6

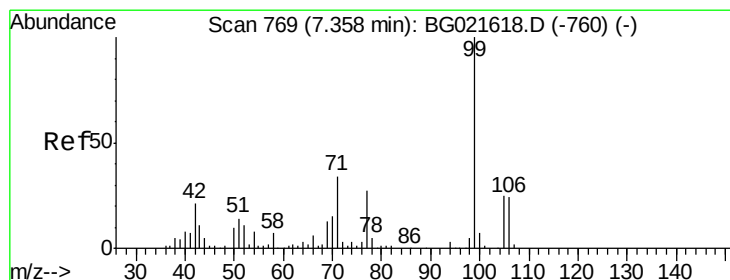
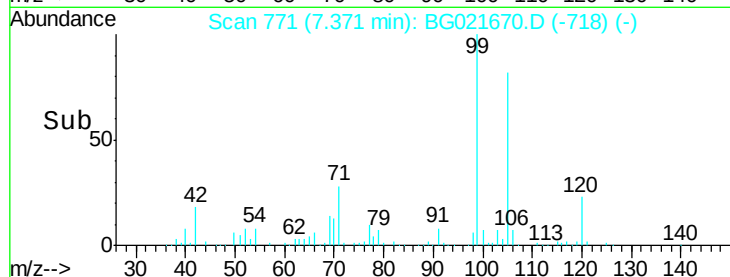
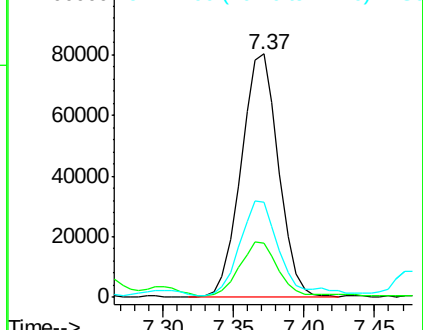
71 38.9 25.0 37.4#



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



#9

Benzaldehyde

Concen: 16.02 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

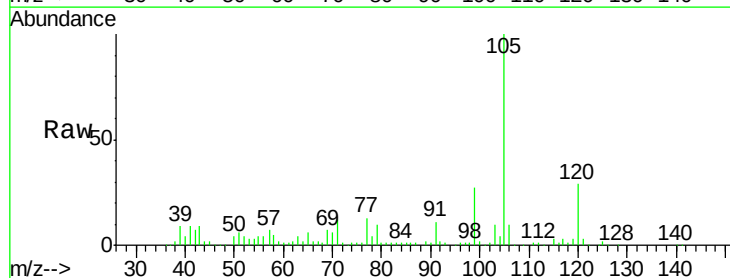
Tgt Ion: 77 Resp: 30251

Ion Ratio Lower Upper

77 100

105 768.8 62.1 102.1#

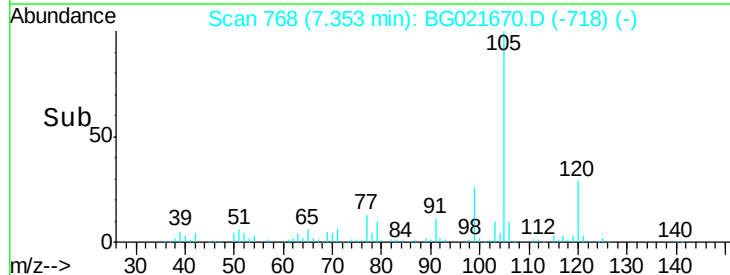
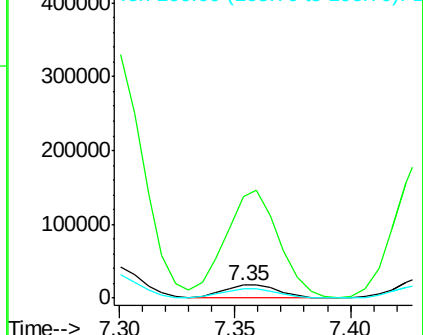
106 75.1 65.6 105.6

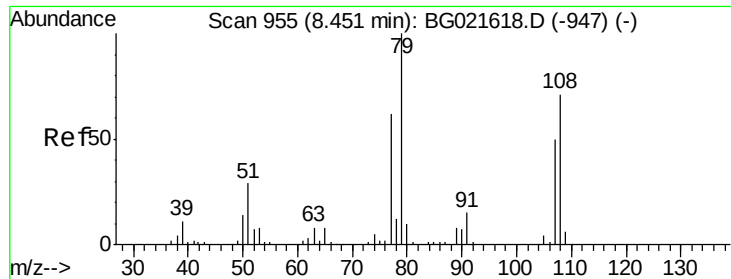


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 3.20 ng

RT: 8.45 min Scan# 955

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

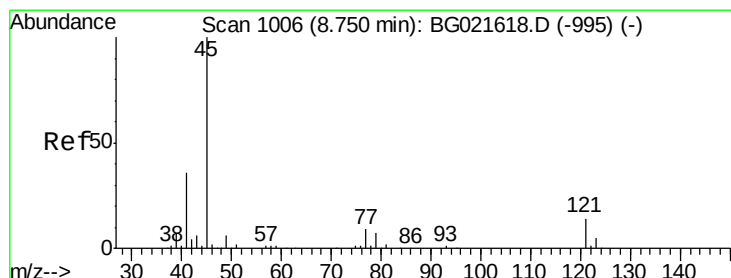
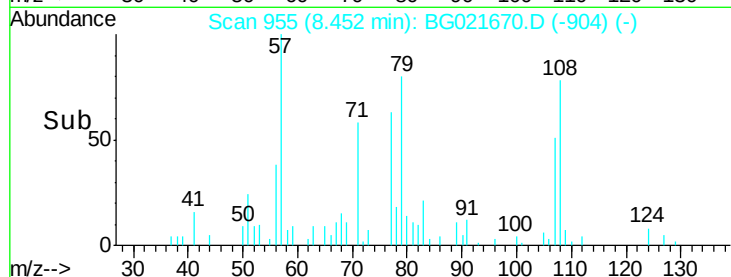
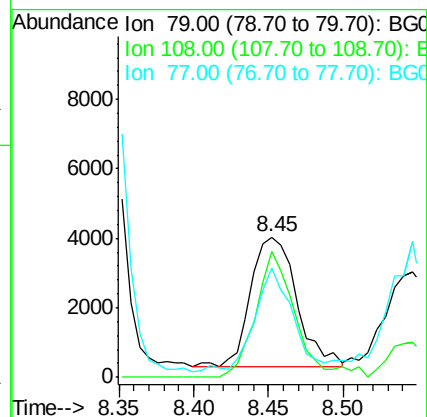
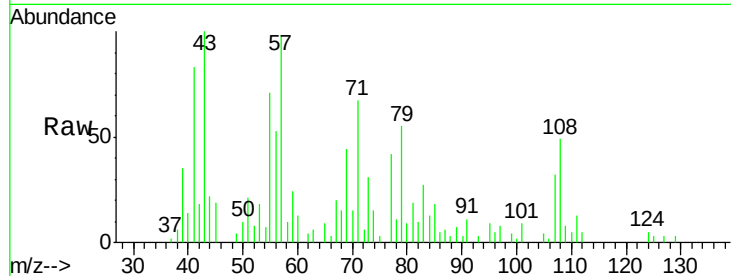
Tgt Ion: 79 Resp: 7995

Ion Ratio Lower Upper

79 100

108 89.2 59.4 89.0#

77 77.4 52.2 78.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.74 ng

RT: 8.92 min Scan# 1035

Delta R.T. 0.17 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

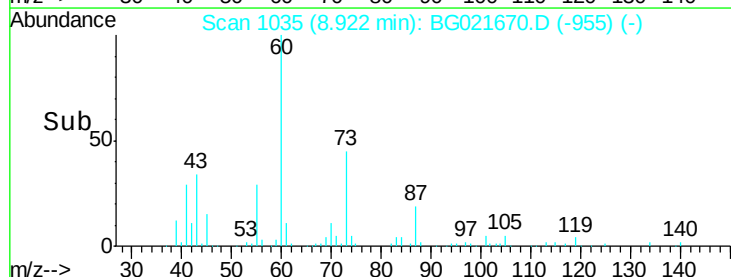
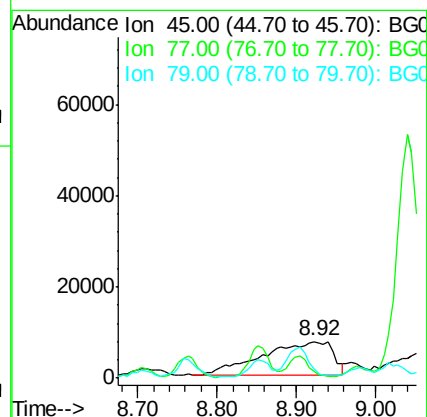
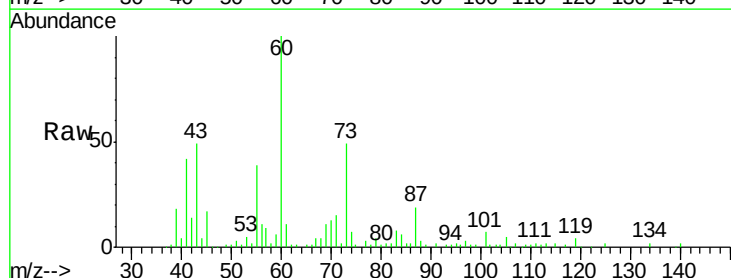
Tgt Ion: 45 Resp: 46598

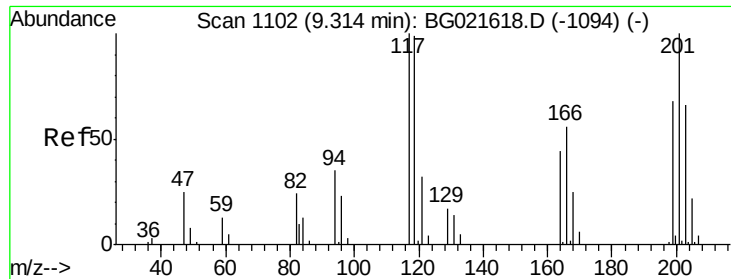
Ion Ratio Lower Upper

45 100

77 17.7 0.0 31.2

79 24.9 0.0 29.0

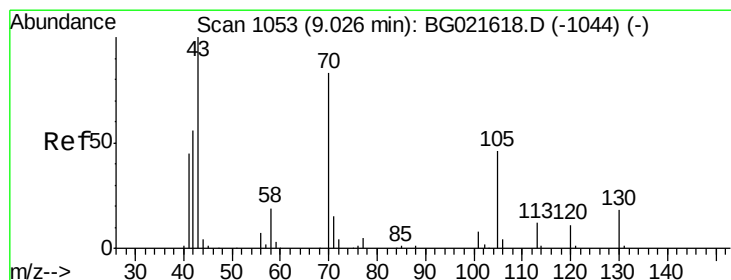
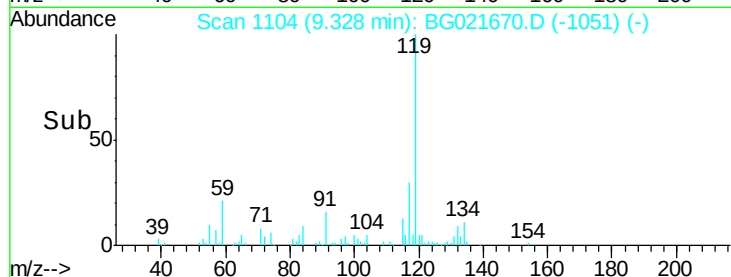
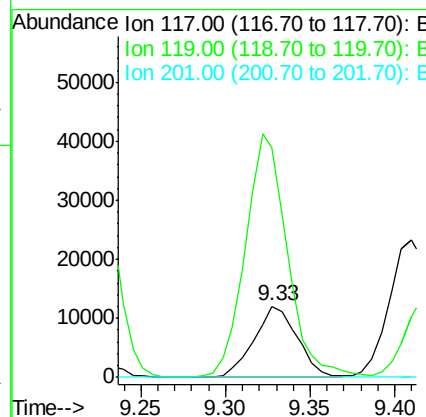
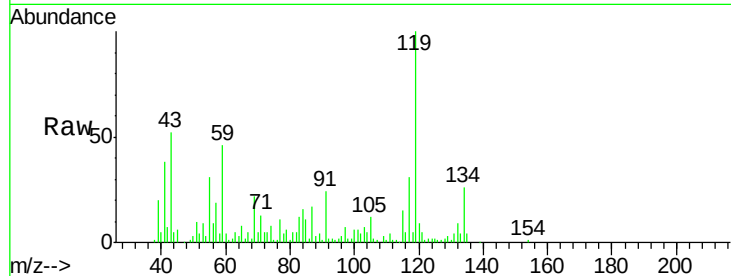




#18
Hexachloroethane
Concen: 19.83 ng
RT: 9.33 min Scan# 1104
Delta R.T. 0.01 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

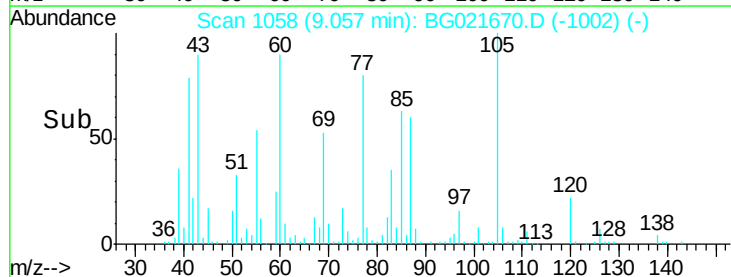
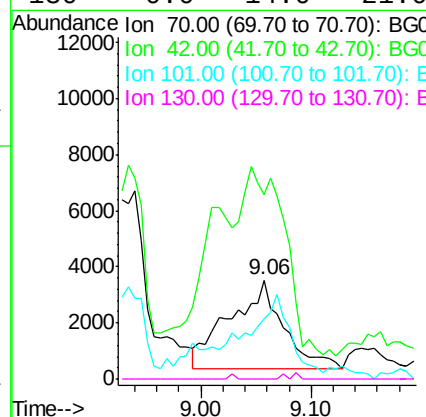
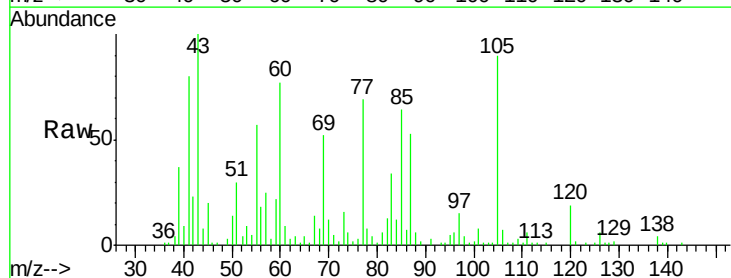
Instrument :
BNA_G
ClientSampled :
S8-0573

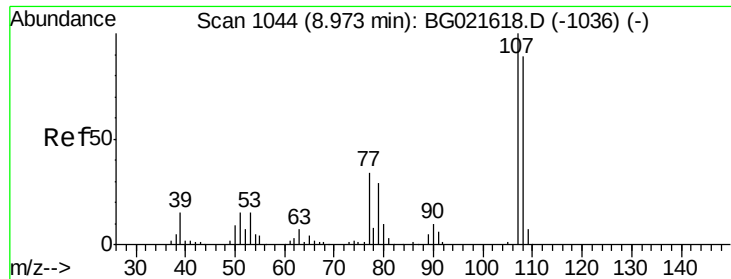
Tgt Ion: 117 Resp: 21508
Ion Ratio Lower Upper
117 100
119 324.6 63.9 95.9#
201 0.0 61.2 91.8#



#19
n-Nitroso-di-n-propylamine
Concen: 4.22 ng
RT: 9.06 min Scan# 1058
Delta R.T. 0.03 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Tgt Ion: 70 Resp: 10703
Ion Ratio Lower Upper
70 100
42 186.9 56.7 85.1#
101 61.3 8.2 12.4#
130 0.0 14.0 21.0#

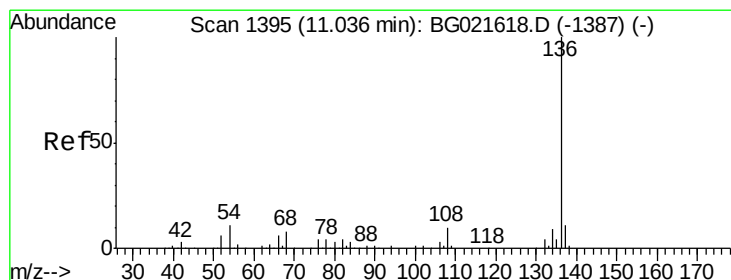
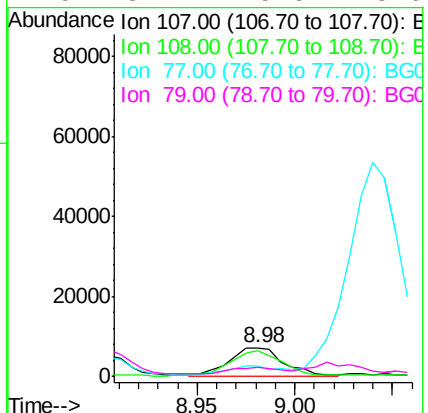
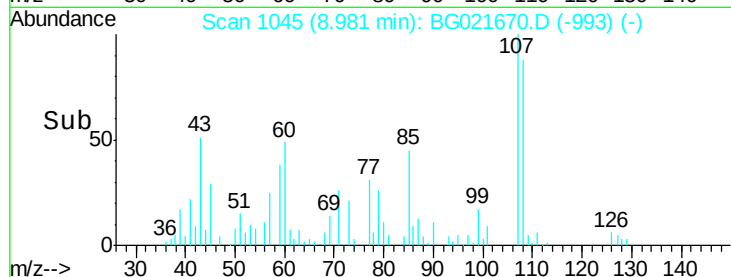
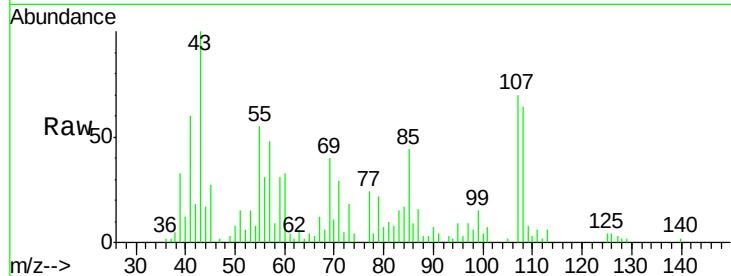




#20
3+4-Methylphenols
Concen: 4.20 ng
RT: 8.98 min Scan# 1045
Delta R.T. 0.01 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

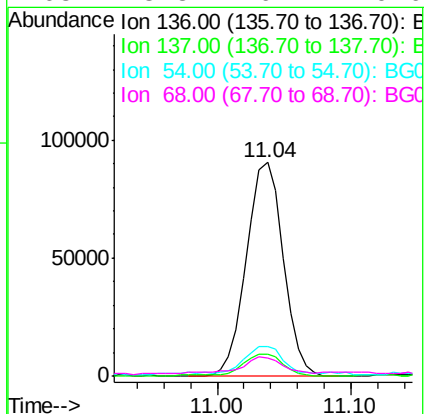
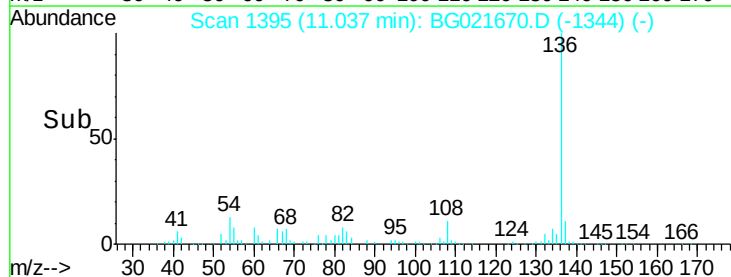
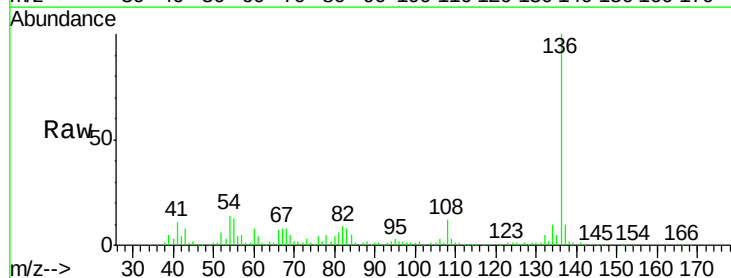
Instrument :
BNA_G
ClientSampleId :
S8-0573

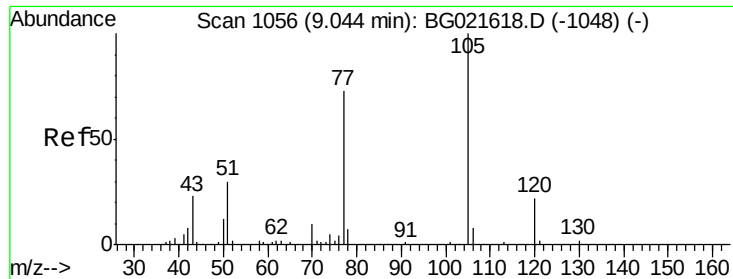
Tgt Ion:	107	Resp:	13954
Ion	Ratio	Lower	Upper
107	100		
108	91.5	66.2	106.2
77	34.8	11.5	51.5
79	31.7	5.6	45.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.04 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Tgt Ion:	136	Resp:	172607
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	13.9	9.6	14.4
68	8.3	6.4	9.6





#22

Acetophenone

Concen: 35.31 ng

RT: 9.04 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

Tgt Ion:105 Resp: 169774

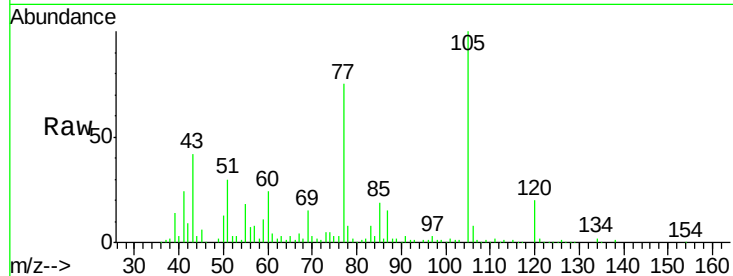
Ion Ratio Lower Upper

105 100

71 1.5 0.0 0.0#

51 29.6 25.7 38.5

120 20.1 17.0 25.6

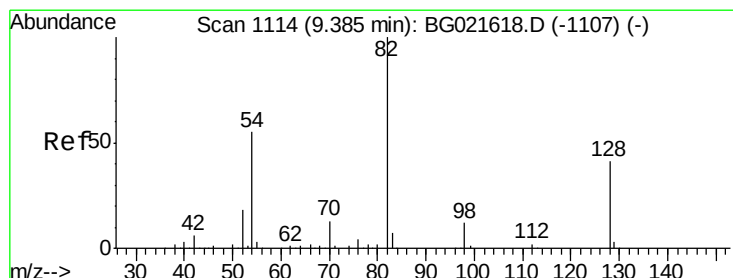
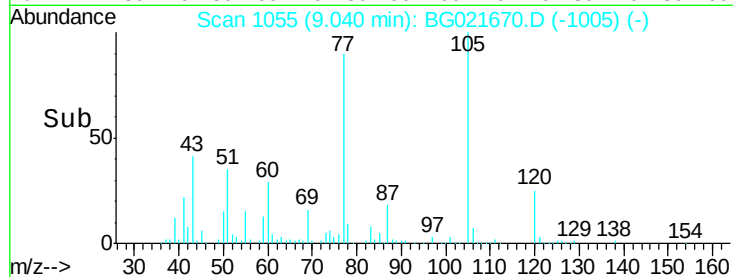
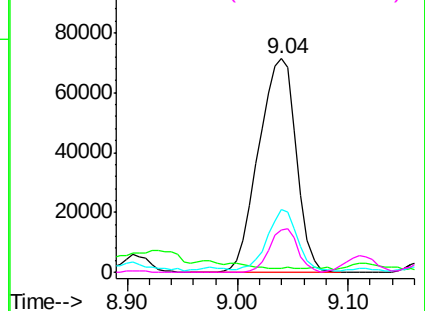


Abundance Ion 105.00 (104.70 to 105.70): E

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



#23

Nitrobenzene-d5

Concen: 96.57 ng

RT: 9.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

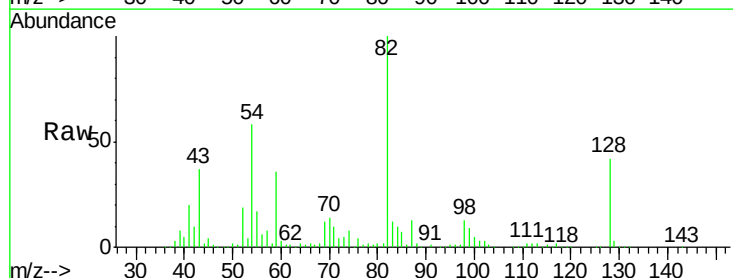
Tgt Ion: 82 Resp: 324299

Ion Ratio Lower Upper

82 100

128 41.9 33.4 50.0

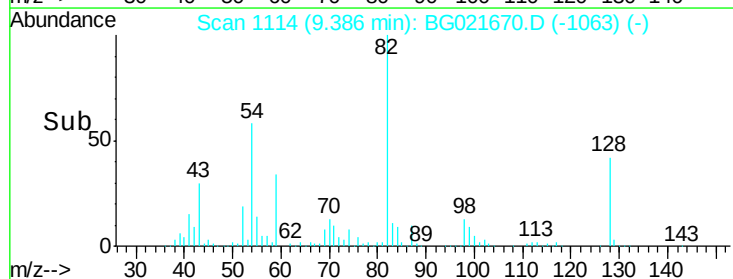
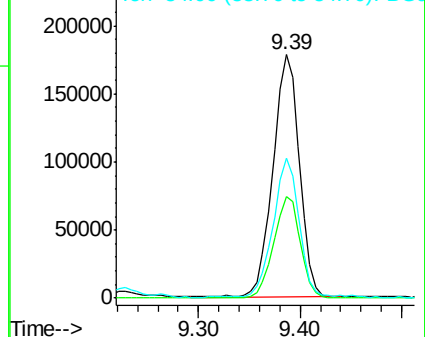
54 57.7 46.1 69.1

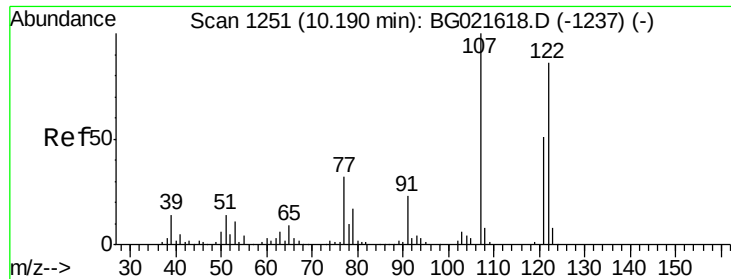


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

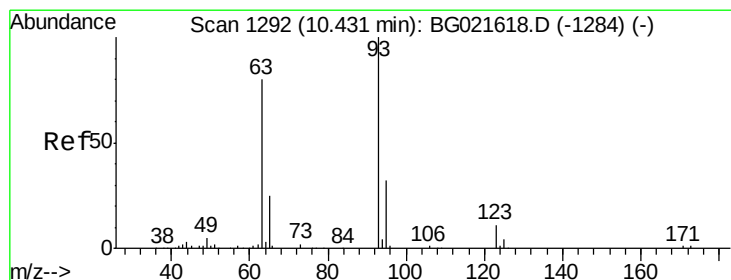
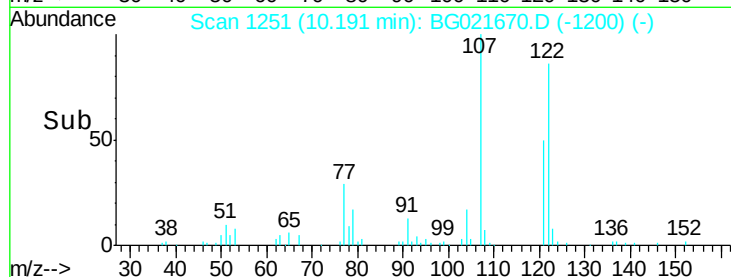
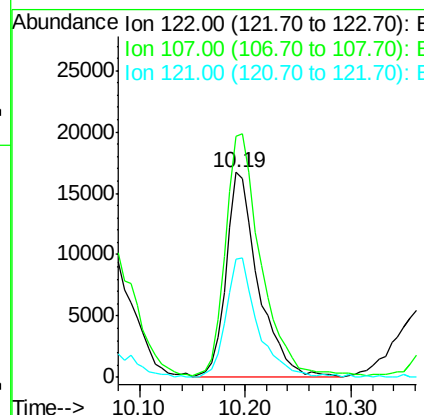
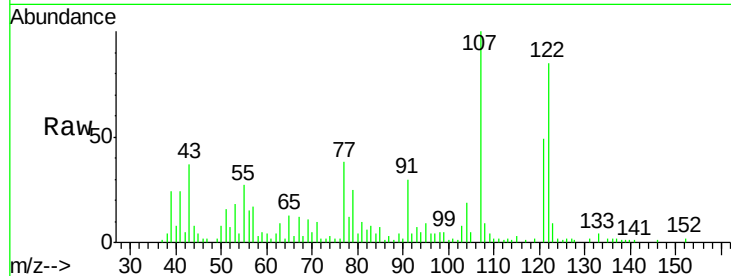




#27
 2,4-Dimethylphenol
 Concen: 11.37 ng
 RT: 10.19 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: BG021670.D
 Acq: 15 Apr 2016 2:30

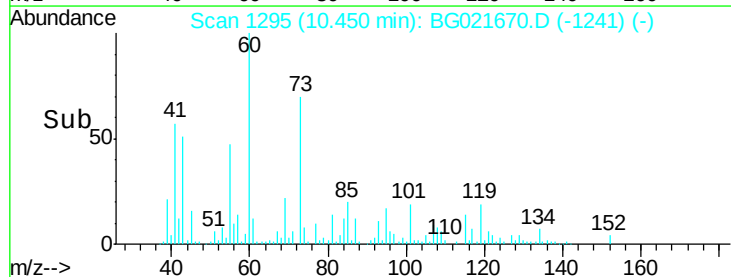
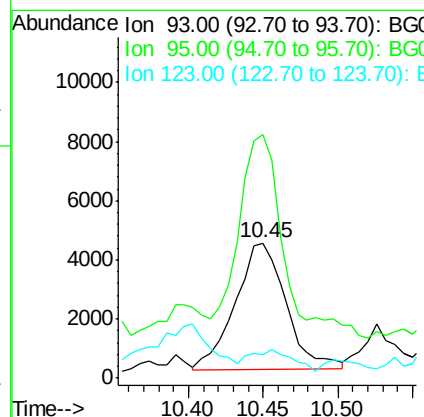
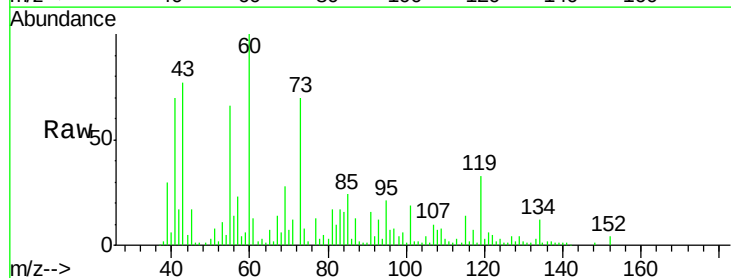
Instrument :
 BNA_G
 ClientSampleId :
 S8-0573

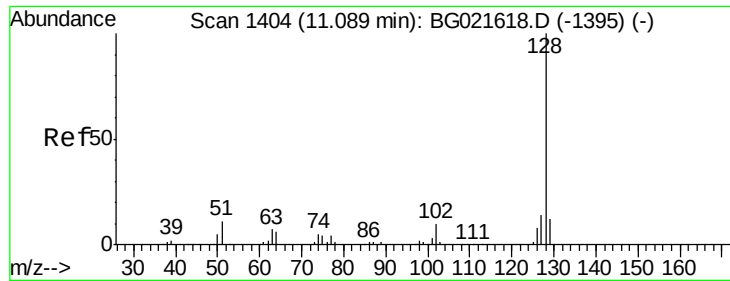
Tgt Ion:122 Resp: 35456
 Ion Ratio Lower Upper
 122 100
 107 117.5 97.2 145.8
 121 57.6 49.0 73.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.61 ng
 RT: 10.45 min Scan# 1295
 Delta R.T. 0.02 min
 Lab File: BG021670.D
 Acq: 15 Apr 2016 2:30

Tgt Ion: 93 Resp: 10209
 Ion Ratio Lower Upper
 93 100
 95 180.0 30.1 45.1#
 123 17.0 10.2 15.4#

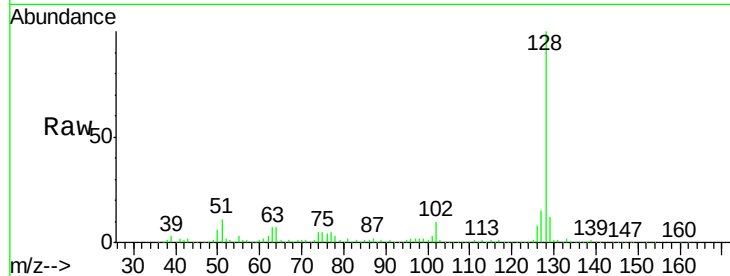




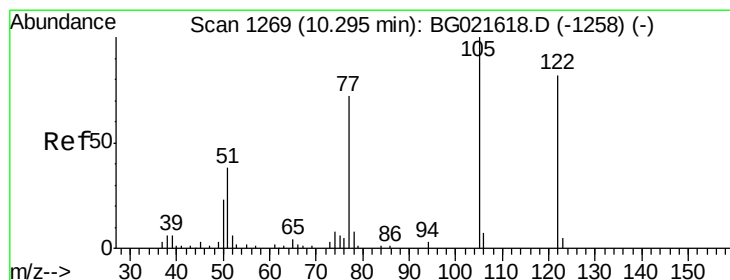
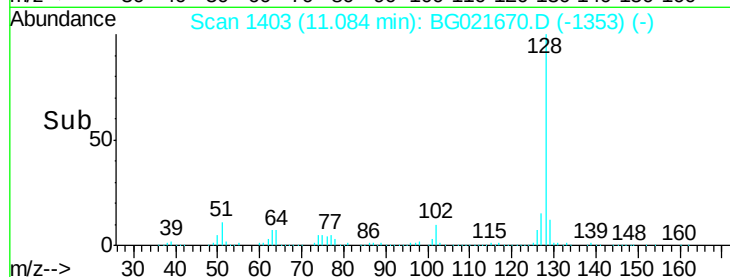
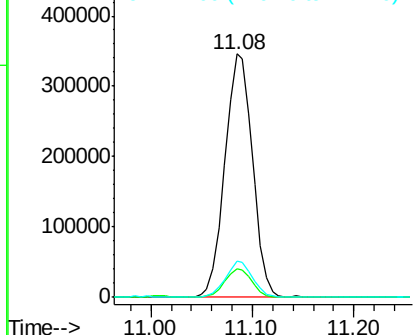
#31
Naphthalene
Concen: 70.53 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Instrument :
BNA_G
ClientSampleId :
S8-0573

Tgt Ion:128 Resp: 651513
Ion Ratio Lower Upper
128 100
129 11.7 7.0 10.6#
127 15.0 10.1 15.1

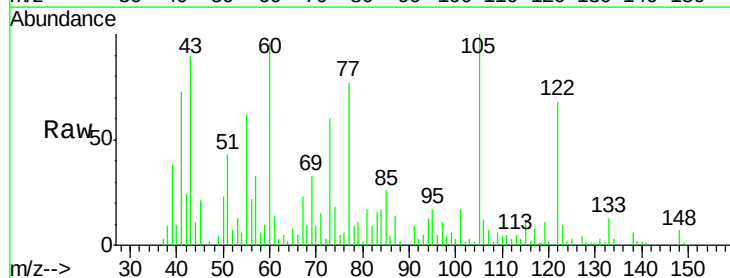


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

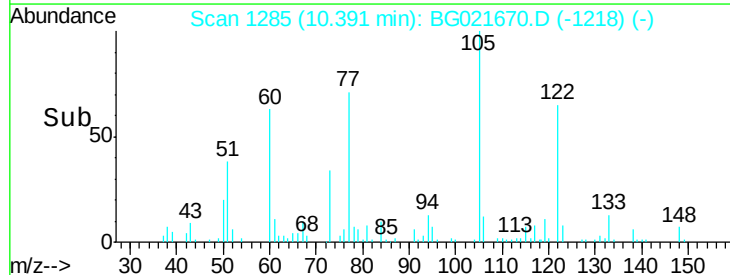
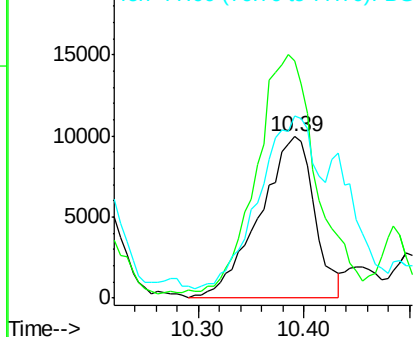


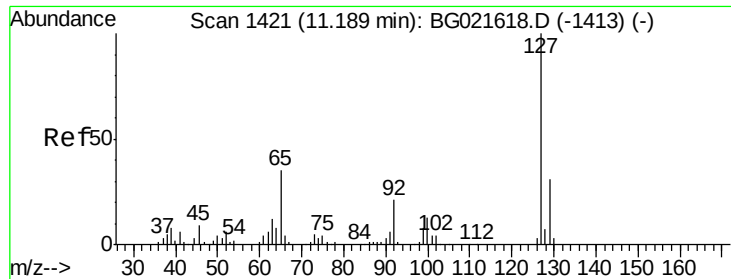
#32
Benzoic acid
Concen: 24.97 ng
RT: 10.39 min Scan# 1285
Delta R.T. 0.10 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Tgt Ion:122 Resp: 35876
Ion Ratio Lower Upper
122 100
105 146.7 104.5 144.5#
77 112.7 79.9 119.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO

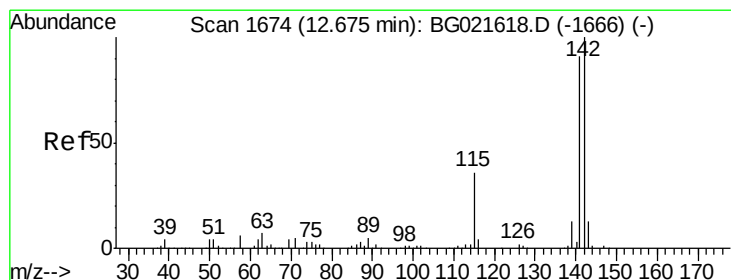
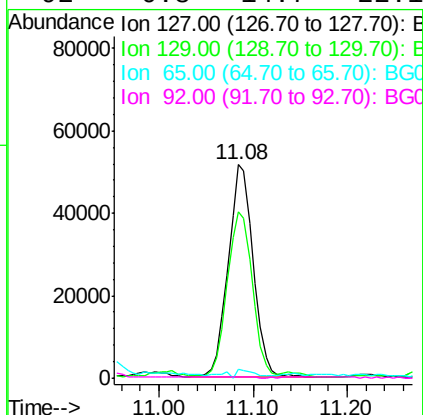
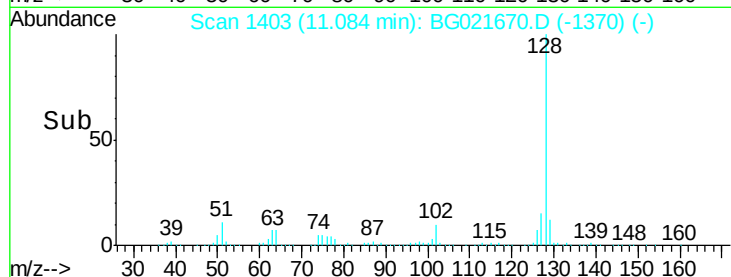
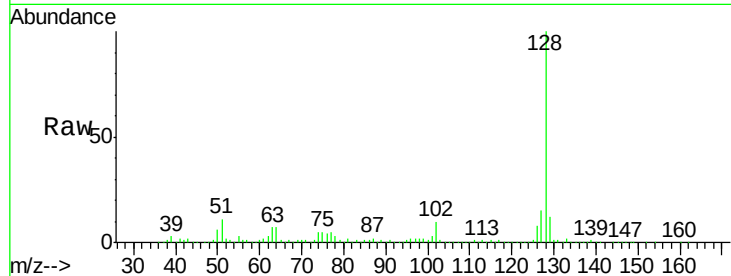




#33
4-Chloroaniline
Concen: 24.01 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.10 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

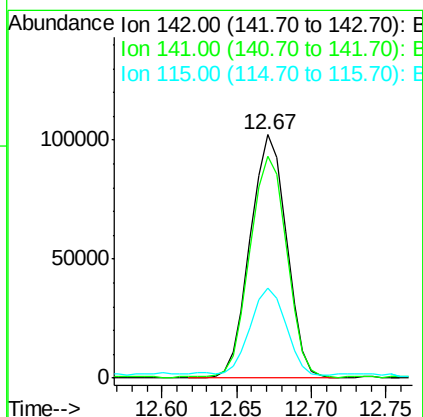
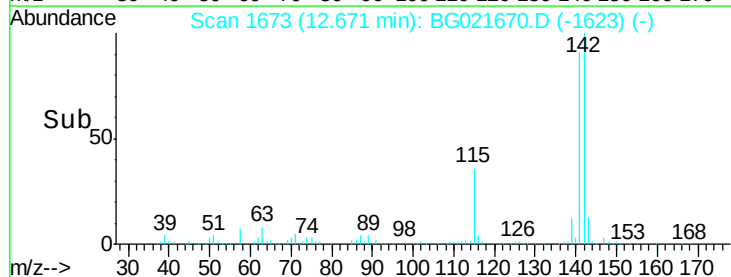
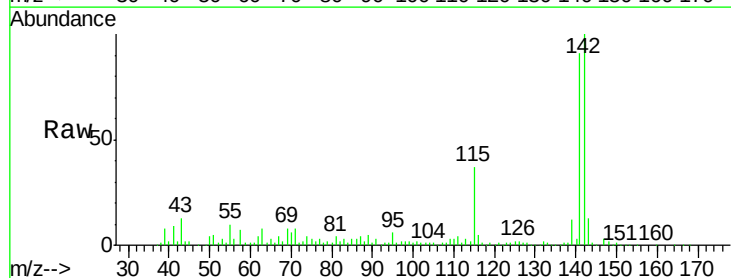
Instrument :
BNA_G
ClientSampleId :
S8-0573

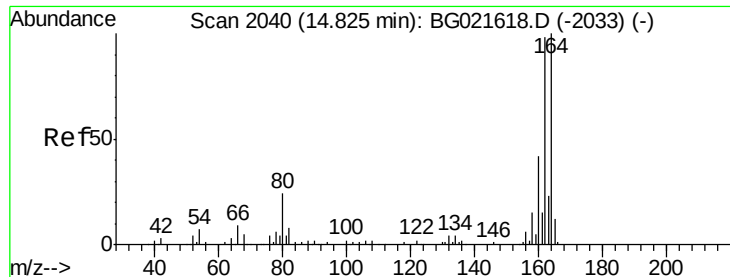
Tgt Ion:	127	Resp:	96030
Ion	Ratio	Lower	Upper
127	100		
129	77.9	26.6	39.8#
65	4.0	27.5	41.3#
92	0.8	14.7	22.1#



#37
2-Methylnaphthalene
Concen: 27.08 ng
RT: 12.67 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BG021670.D
Acq: 15 Apr 2016 2:30

Tgt Ion:	142	Resp:	171716
Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.4	107.0
115	37.2	27.4	41.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

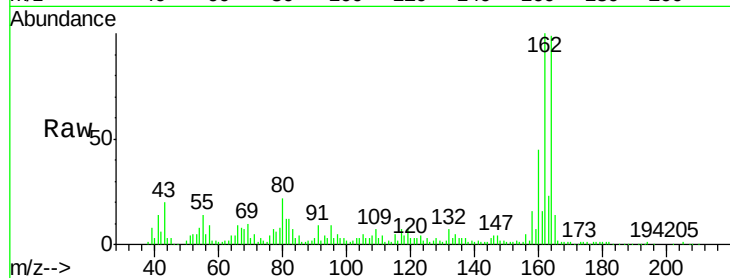
Tgt Ion:164 Resp: 108935

Ion Ratio Lower Upper

164 100

162 101.2 78.0 117.0

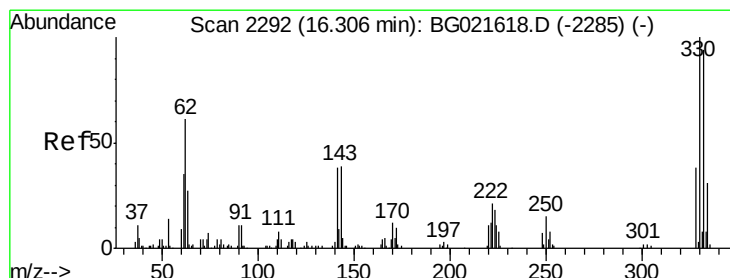
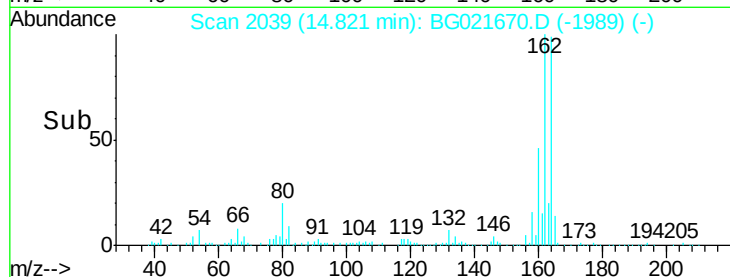
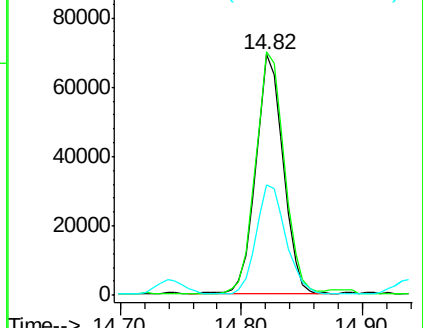
160 46.0 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 152.26 ng

RT: 16.31 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

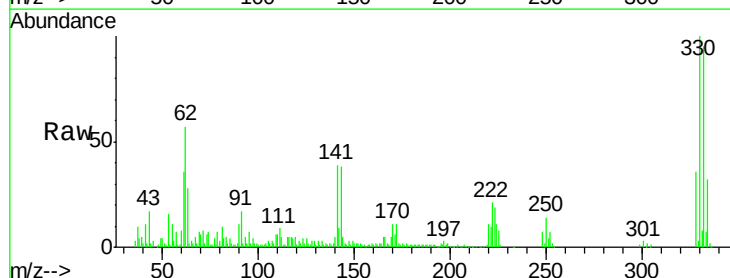
Tgt Ion:330 Resp: 178761

Ion Ratio Lower Upper

330 100

332 96.7 78.0 117.0

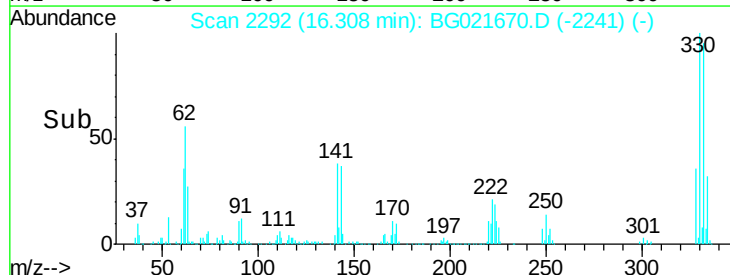
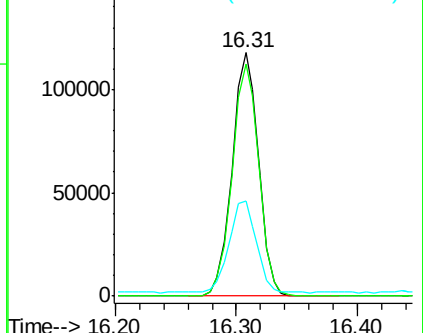
141 39.6 33.8 50.8

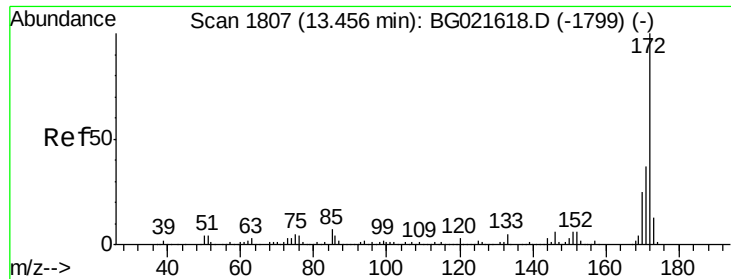


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

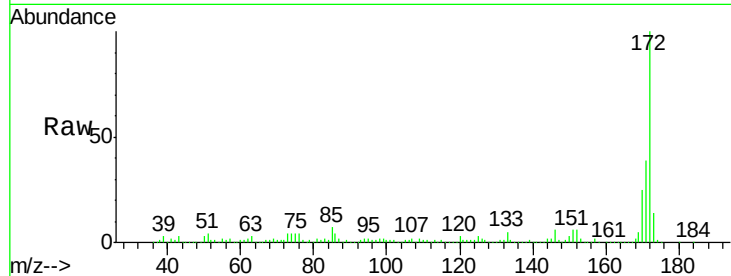




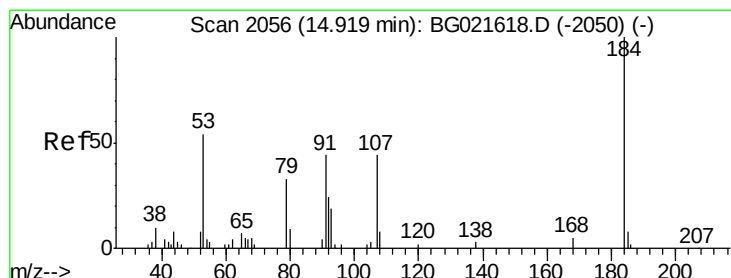
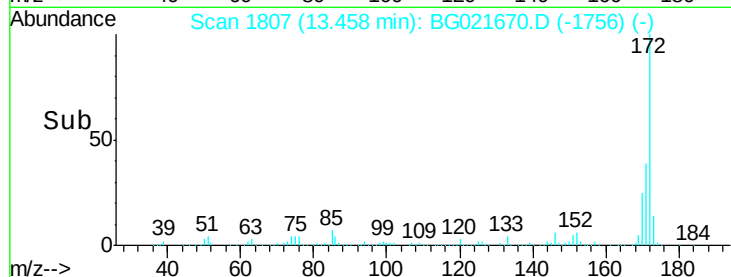
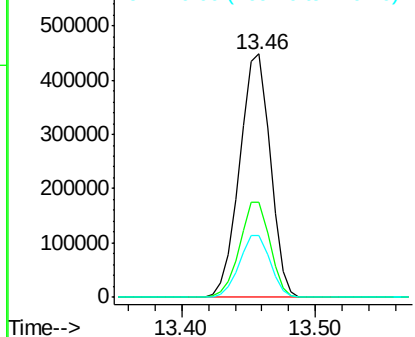
#44
 2-Fluorobiphenyl
 Concen: 95.76 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BG021670.D
 Acq: 15 Apr 2016 2:30

Instrument :
 BNA_G
 ClientSampleId :
 S8-0573

Tgt Ion:172 Resp: 711952
 Ion Ratio Lower Upper
 172 100
 171 39.0 27.8 41.6
 170 25.3 19.6 29.4

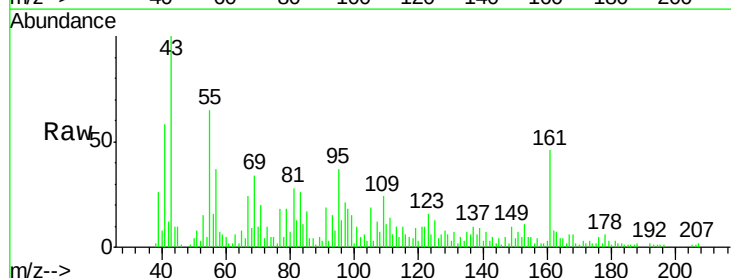


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

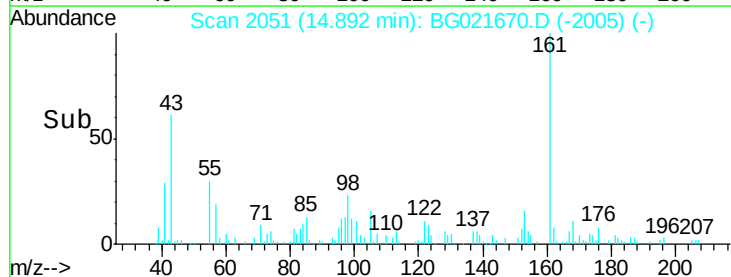
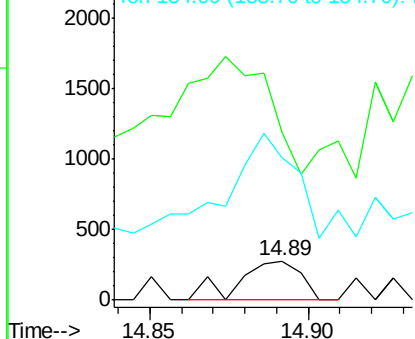


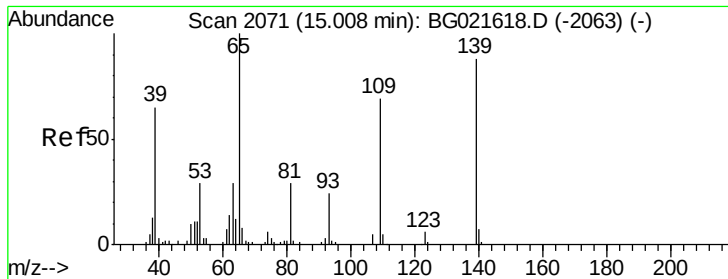
#53
 2,4-Dinitrophenol
 Concen: 7.95 ng
 RT: 14.89 min Scan# 2051
 Delta R.T. -0.03 min
 Lab File: BG021670.D
 Acq: 15 Apr 2016 2:30

Tgt Ion:184 Resp: 378
 Ion Ratio Lower Upper
 184 100
 63 430.7 57.3 85.9#
 154 363.9 55.2 82.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 4.77 ng

RT: 14.97 min Scan# 2065

Delta R.T. -0.03 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

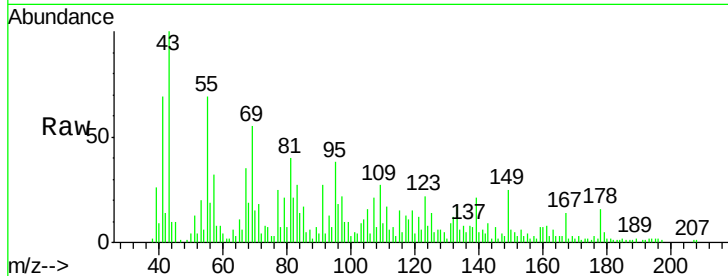
Tgt Ion:139 Resp: 8143

Ion Ratio Lower Upper

139 100

109 127.8 49.2 89.2#

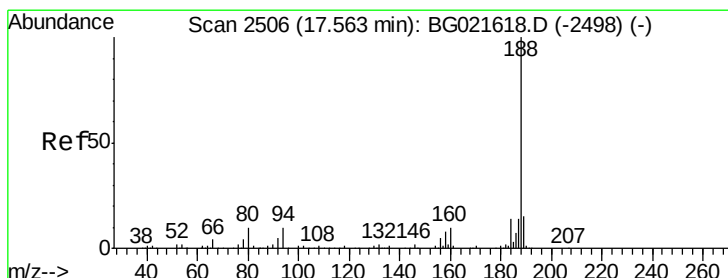
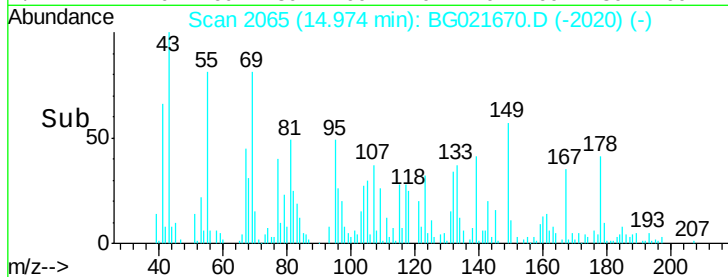
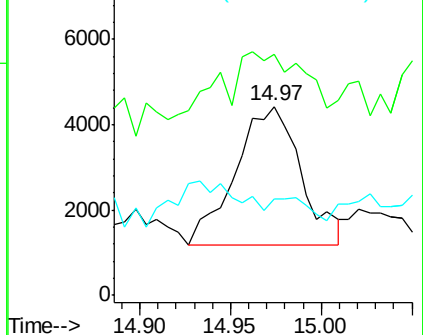
65 50.9 83.2 123.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

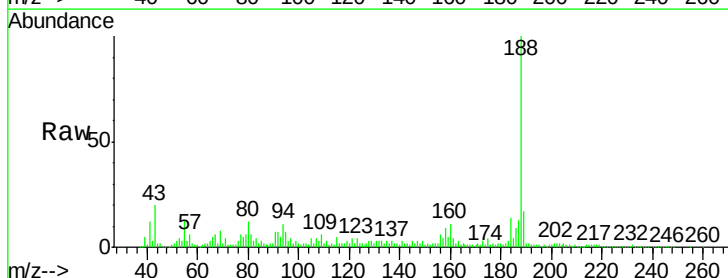
Tgt Ion:188 Resp: 221630

Ion Ratio Lower Upper

188 100

94 10.8 7.5 11.3

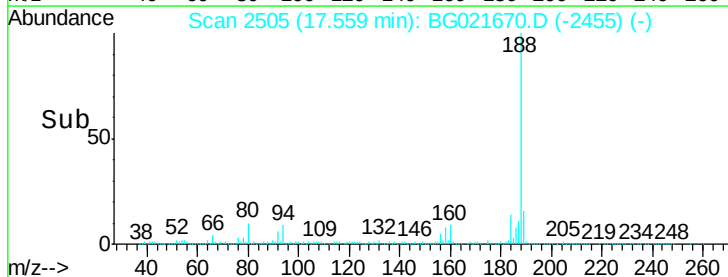
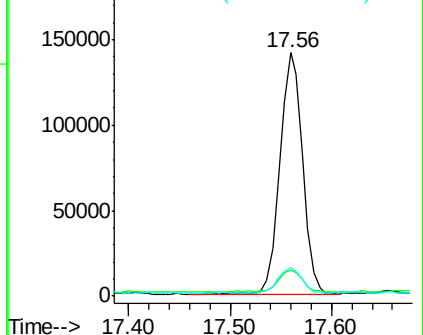
80 11.5 8.6 13.0

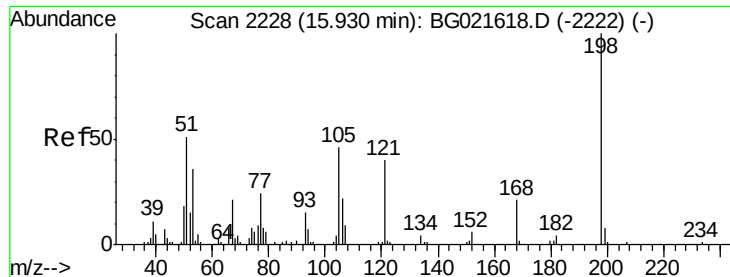


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

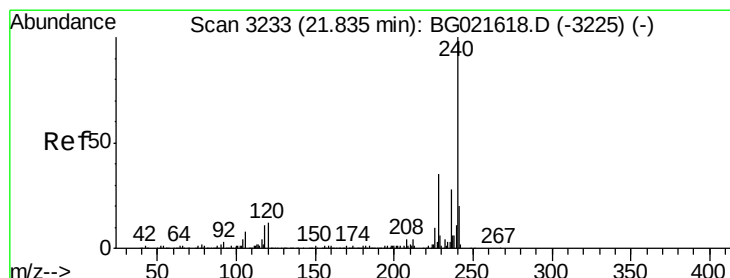
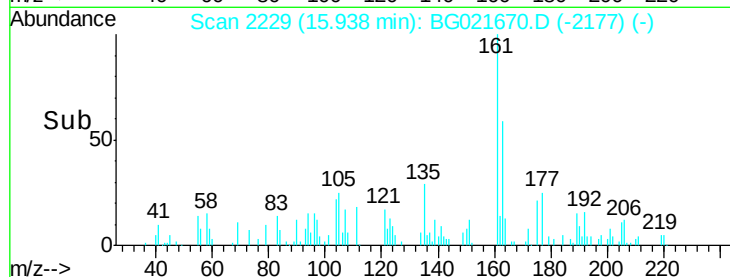
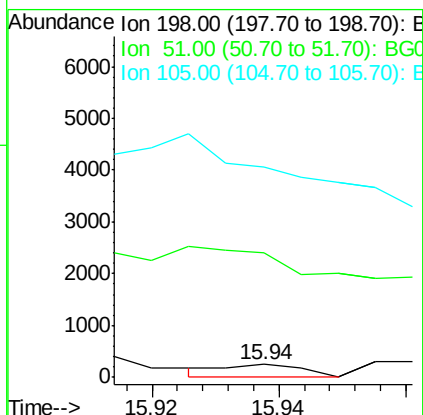
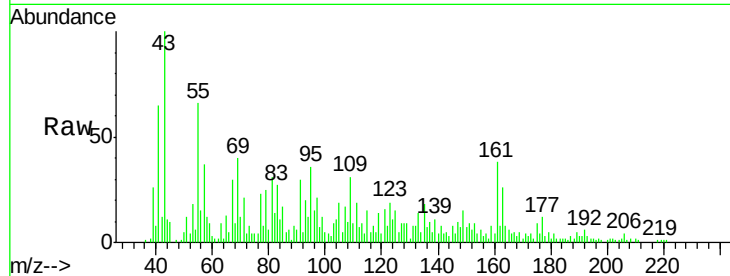




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.61 ng
 RT: 15.94 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BG021670.D
 Acq: 15 Apr 2016 2:30

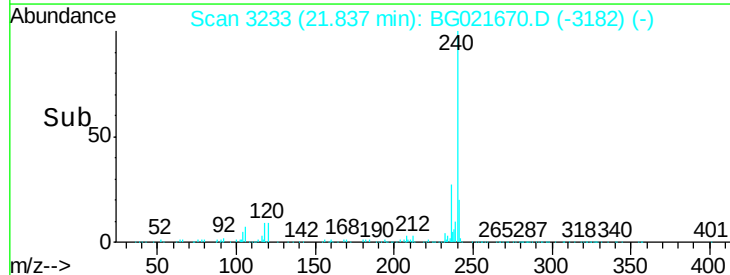
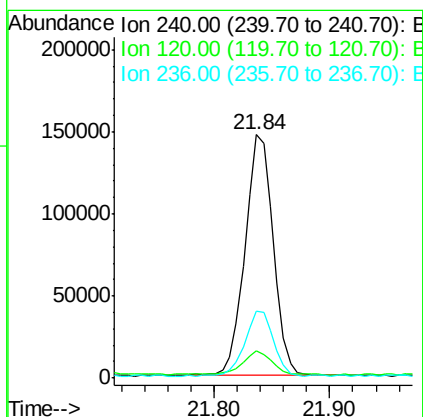
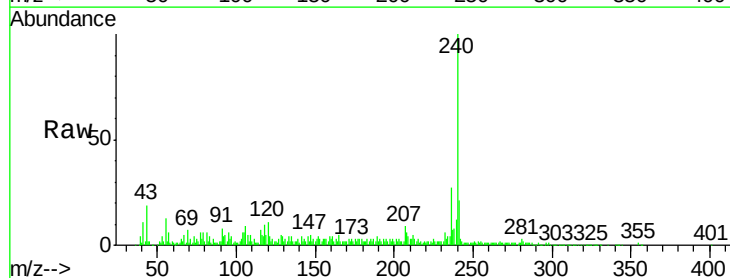
Instrument :
 BNA_G
 ClientSampleId :
 S8-0573

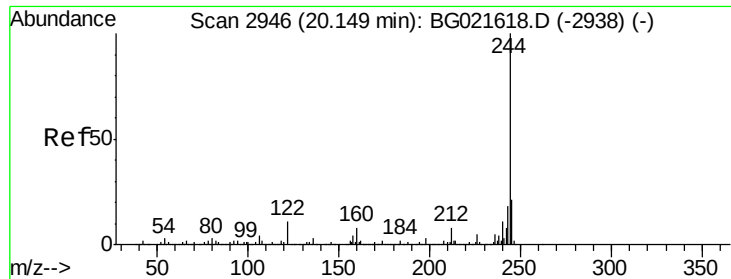
Tgt Ion:198 Resp: 215
 Ion Ratio Lower Upper
 198 100
 51 952.8 29.2 69.2#
 105 1609.5 24.0 64.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.84 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: BG021670.D
 Acq: 15 Apr 2016 2:30

Tgt Ion:240 Resp: 249157
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.4 12.6
 236 27.4 19.6 29.4





#78

Terphenyl-d14

Concen: 65.79 ng

RT: 20.15 min Scan# 2946

Delta R.T. 0.00 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

Instrument :

BNA_G

ClientSampleId :

S8-0573

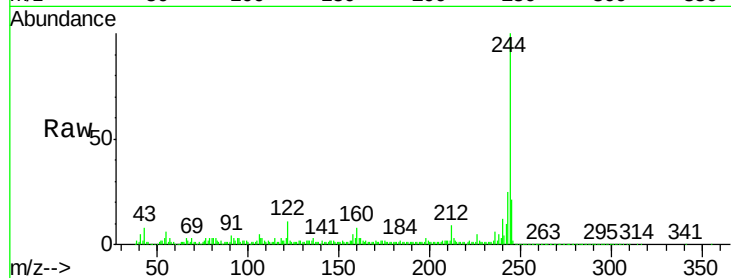
Tgt Ion:244 Resp: 656961

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

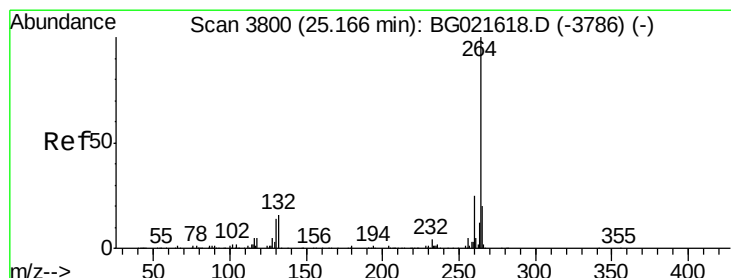
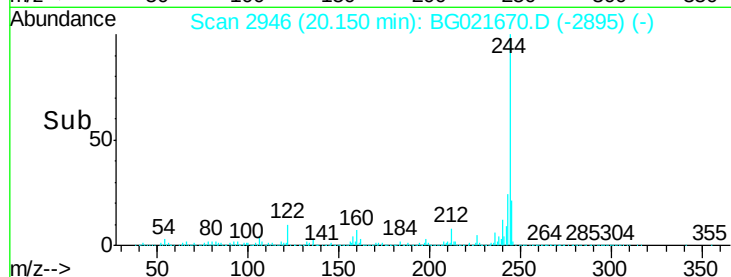
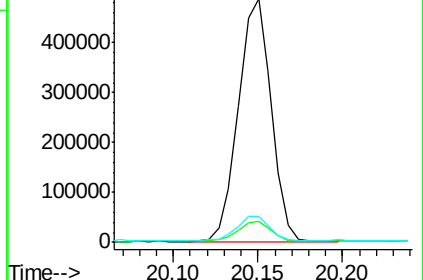
122 10.9 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.18 min Scan# 3802

Delta R.T. 0.01 min

Lab File: BG021670.D

Acq: 15 Apr 2016 2:30

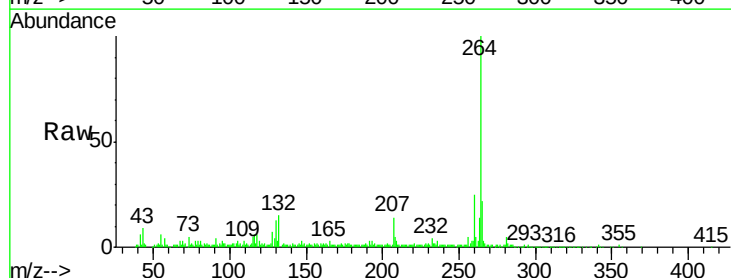
Tgt Ion:264 Resp: 244043

Ion Ratio Lower Upper

264 100

260 24.5 20.2 30.4

265 22.5 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

