

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091217\
 Data File : BG028683.D
 Acq On : 12 Sep 2017 23:48
 Operator : SJ/JU
 Sample : I5189-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 04:08:04 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	28677	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	112350	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	83414	20.00	ng	0.00
63) Phenanthrene-d10	17.70	188	234757	20.00	ng	0.00
75) Chrysene-d12	22.03	240	275141	20.00	ng	0.00
86) Perylene-d12	25.52	264	273748	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.90	112	102056	58.72	ng	0.00
7) Phenol-d6	7.48	99	83575	31.94	ng	0.00
23) Nitrobenzene-d5	9.50	82	231211	98.45	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	231165	167.56	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	604174	96.58	ng	0.00
78) Terphenyl-d14	20.28	244	1252773	97.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.87	88	95	0.135	ng	# 61
3) Pyridine	4.31	79	60	0.030	ng	# 1
4) n-Nitrosodimethylamine	4.11	42	163	0.178	ng	# 7
6) Aniline	7.87	93	415	0.136	ng	# 1
9) Benzaldehyde	7.49	77	88	0.054	ng	# 10
10) Phenol	7.51	94	1514	0.548	ng	# 62
11) bis(2-Chloroethyl)ether	7.87	93	415	0.209	ng	# 1
14) 1,2-Dichlorobenzene	8.69	146	72	0.034	ng	# 21
15) Benzyl Alcohol	8.65	79	3913	1.916	ng	# 56
16) 2,2'-oxybis(1-Chloropropan	8.77	45	67	0.019	ng	# 74
24) Nitrobenzene	9.53	77	55	0.021	ng	# 49
25) Isophorone	9.96	82	65	0.014	ng	# 67
27) 2,4-Dimethylphenol	10.38	122	87	0.043	ng	# 1
28) bis(2-Chloroethoxy)methane	10.27	93	82	0.032	ng	# 50
29) 2,4-Dichlorophenol	10.70	162	62	0.031	ng	# 25
31) Naphthalene	11.41	128	62	0.011	ng	# 67
32) Benzoic acid	10.38	122	87	6.139	ng	# 1
33) 4-Chloroaniline	11.33	127	62	0.025	ng	# 40
34) Hexachlorobutadiene	11.71	225	85	0.050	ng	# 19
45) 1,1'-Biphenyl	13.78	154	564	0.082	ng	# 91
47) 2-Nitroaniline	14.00	65	77	0.041	ng	# 16
48) Acenaphthylene	14.71	152	54	0.007	ng	# 58
49) Dimethylphthalate	14.37	163	63	0.009	ng	# 74
50) 2,6-Dinitrotoluene	14.72	165	68	0.044	ng	# 11
51) Acenaphthene	14.94	154	196	0.040	ng	# 6
52) 3-Nitroaniline	14.57	138	98	0.071	ng	# 1
53) 2,4-Dinitrophenol	15.00	184	54	8.061	ng	# 15
55) 4-Nitrophenol	15.27	139	63	0.062	ng	# 1
56) 2,4-Dinitrotoluene	15.02	165	89	0.041	ng	# 16
59) Diethylphthalate	15.73	149	276	0.038	ng	# 56
62) Azobenzene	16.29	77	1644	0.272	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.92	198	53	0.035	ng	# 36
65) n-Nitrosodiphenylamine	16.43	169	8185	1.216	ng	# 52
69) Pentachlorophenol	17.22	266	53	0.034	ng	# 20

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Phenanthrene	17.73	178	179	0.015	nq	# 56
71) Anthracene	17.91	178	60	0.005	nq	# 58
73) Di-n-butylphthalate	18.61	149	922	0.069	nq	# 73
74) Fluoranthene	19.74	202	724	0.049	nq	# 77
77) Pyrene	20.10	202	488	0.031	nq	# 80
79) Butylbenzylphthalate	20.97	149	477	0.074	nq	# 82
80) Benzo(a)anthracene	22.02	228	959	0.058	nq	# 66
81) 3,3'-Dichlorobenzidine	21.91	252	59	0.009	nq	# 24
82) Chrysene	22.08	228	179	0.011	nq	# 37
83) Bis(2-ethylhexyl)phthalate	21.86	149	948	0.104	nq	# 77
84) Di-n-octyl phthalate	23.15	149	616	0.039	nq	# 1
85) Indeno(1,2,3-cd)pyrene	29.55	276	66	0.003	nq	# 1
87) Benzo(b)fluoranthene	24.40	252	419	0.026	nq	# 58
88) Benzo(k)fluoranthene	24.50	252	66	0.004	nq	# 1
89) Benzo(a)pyrene	25.35	252	359	0.023	nq	# 11

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

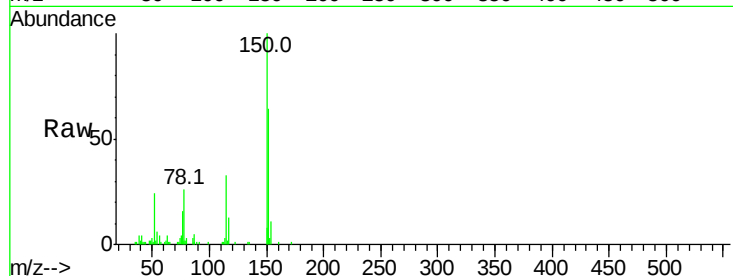
Tot Ion:152 Resp: 28677

Ion Ratio Lower Upper

152 100

150 155.2 114.0 171.0

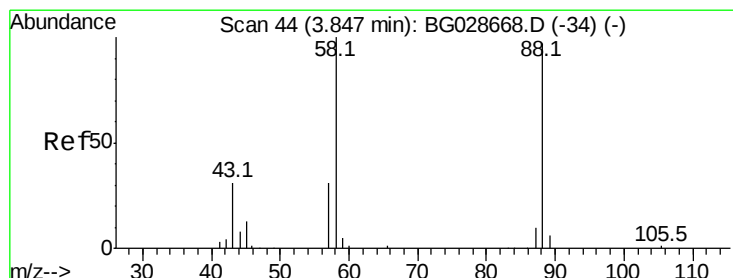
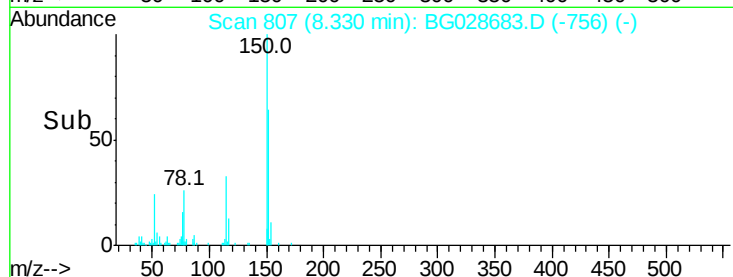
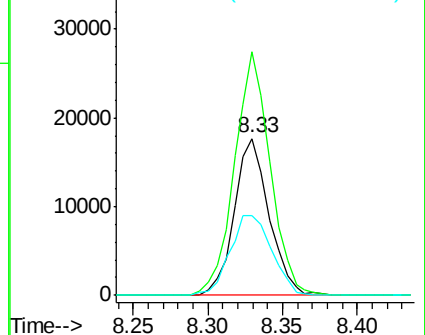
115 51.2 48.1 72.1



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: 0.135 ng

RT: 3.87 min Scan# 48

Delta R.T. 0.02 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

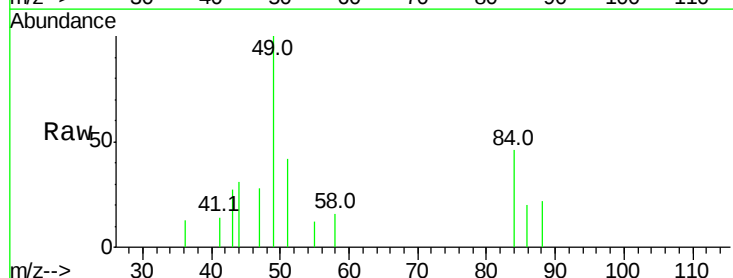
Tgt Ion: 88 Resp: 95

Ion Ratio Lower Upper

88 100

58 72.6 79.4 119.2#

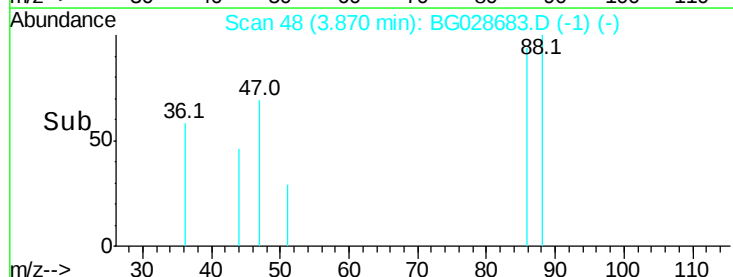
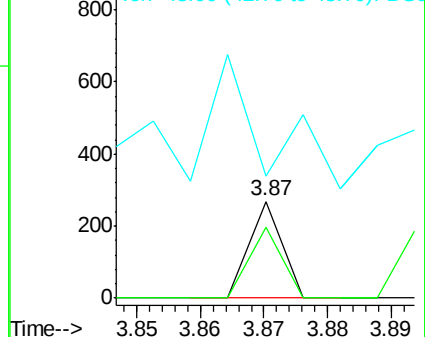
43 0.0 33.8 50.6#

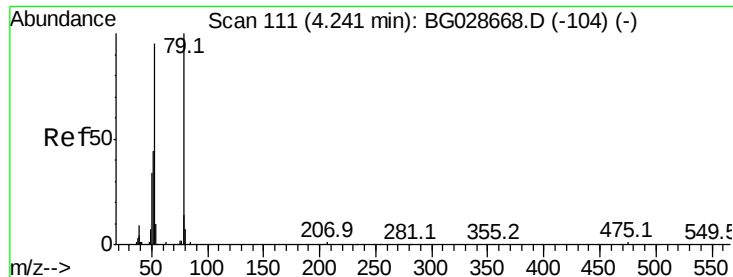


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.030 ng

RT: 4.31 min Scan# 123

Delta R.T. 0.07 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

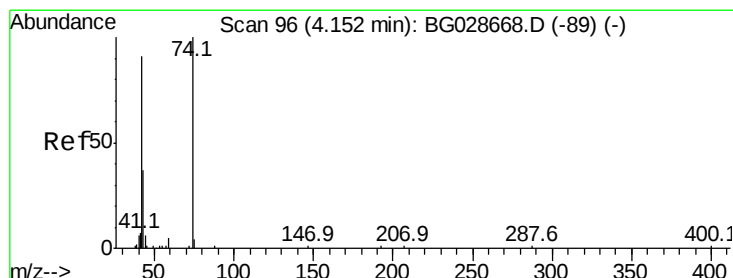
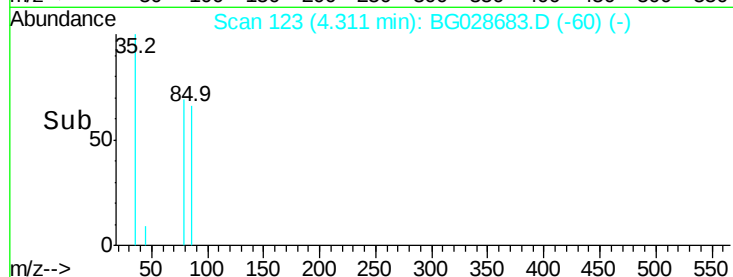
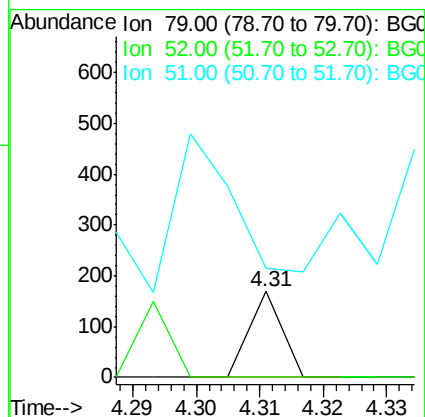
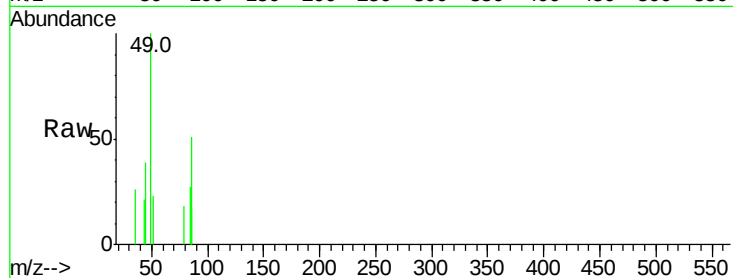
Tot Ion: 79 Resp: 60

Ion Ratio Lower Upper

79 100

52 0.0 77.8 116.6#

51 127.8 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 0.178 ng

RT: 4.11 min Scan# 89

Delta R.T. -0.04 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

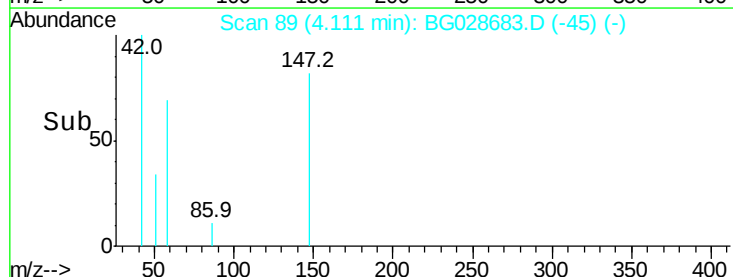
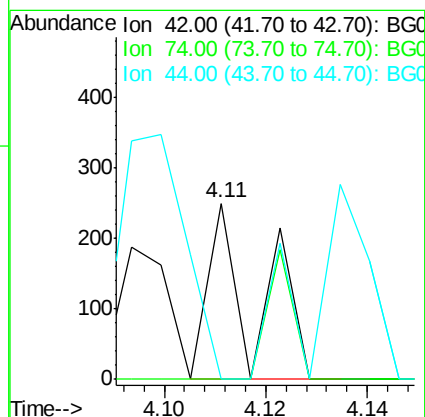
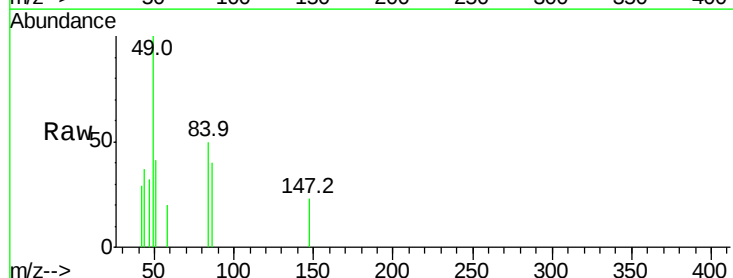
Tgt Ion: 42 Resp: 163

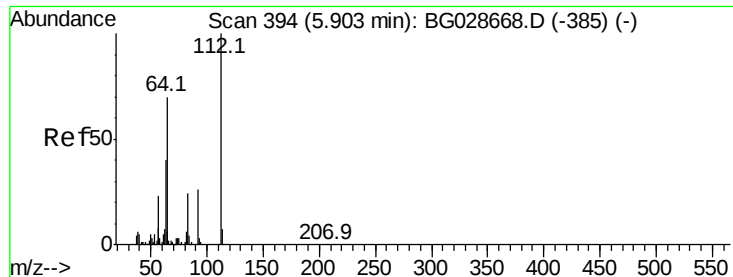
Ion Ratio Lower Upper

42 100

74 0.0 76.7 115.1#

44 0.0 6.1 9.1#





#5

2-Fluorophenol

Concen: 58.722 ng

RT: 5.90 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

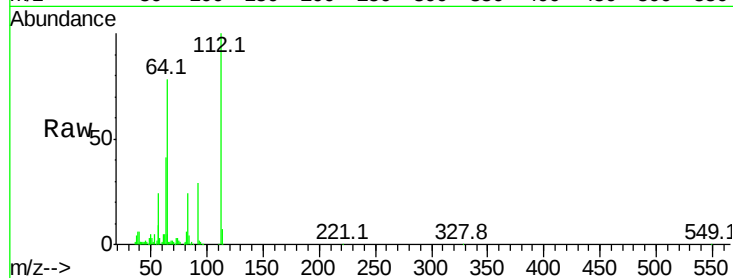
Tot Ion:112 Resp: 102056

Ion Ratio Lower Upper

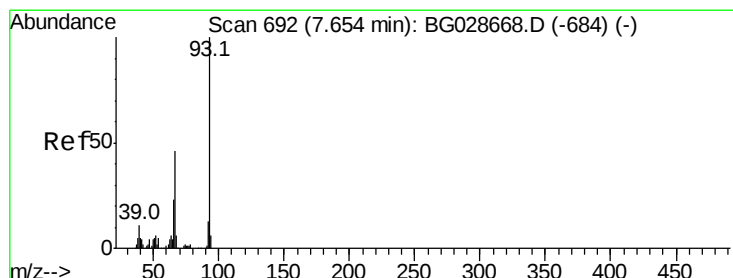
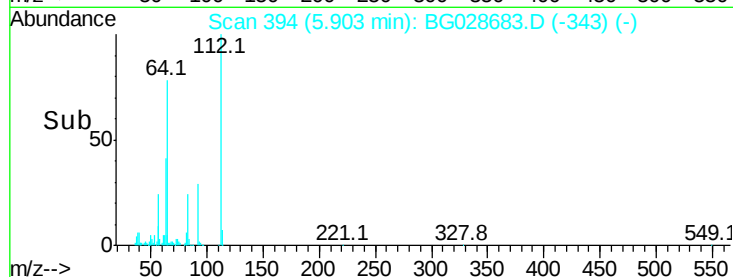
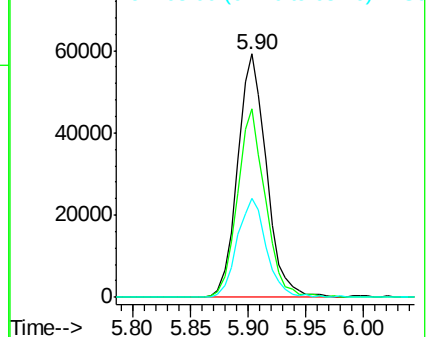
112 100

64 77.6 61.8 92.6

63 40.6 37.2 55.8



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



#6

Aniline

Concen: 0.136 ng

RT: 7.87 min Scan# 728

Delta R.T. 0.21 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

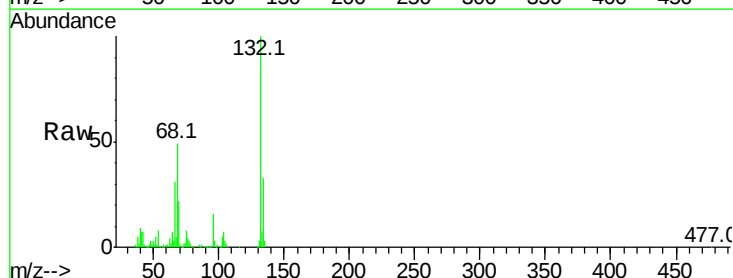
Tgt Ion: 93 Resp: 415

Ion Ratio Lower Upper

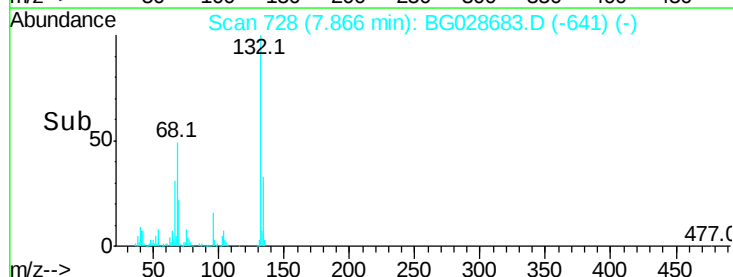
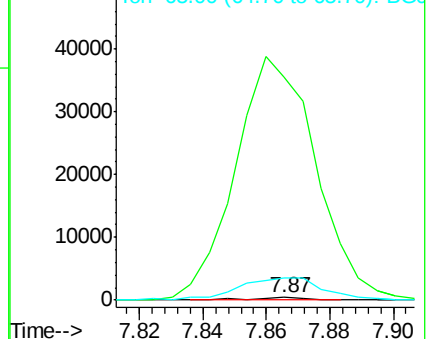
93 100

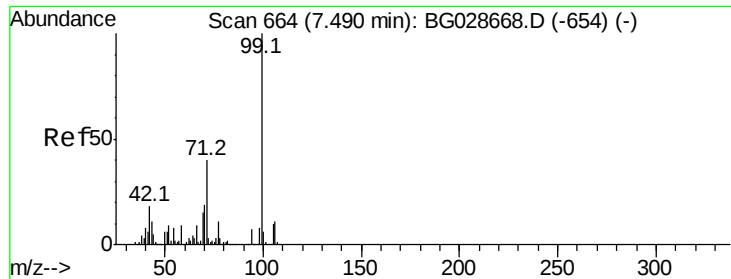
66 7679.7 35.4 53.2#

65 772.9 21.2 31.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 31.939 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampled :

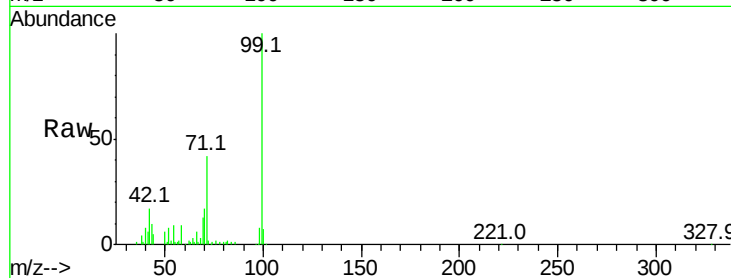
Tot Ion: 99 Resp: 83575

Ion Ratio Lower Upper

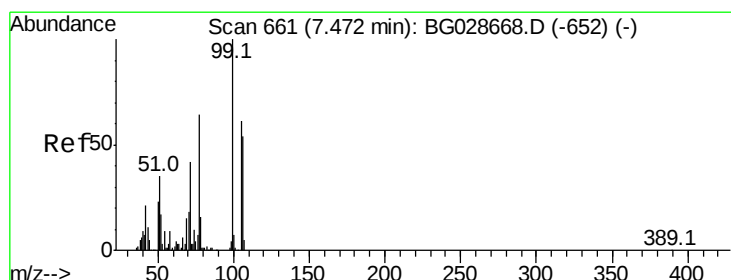
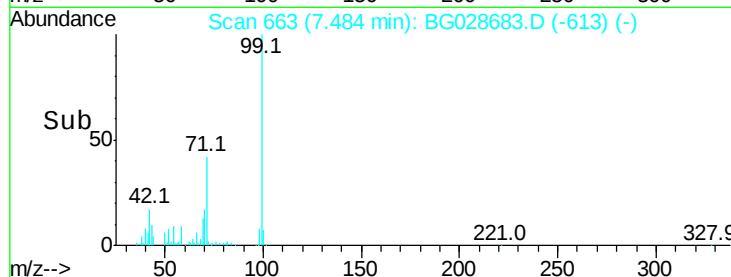
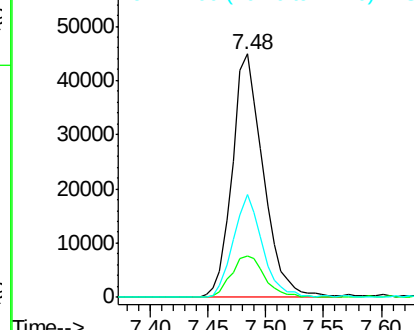
99 100

42 17.2 20.5 30.7#

71 42.3 37.6 56.4



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: 0.054 ng

RT: 7.49 min Scan# 664

Delta R.T. 0.02 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

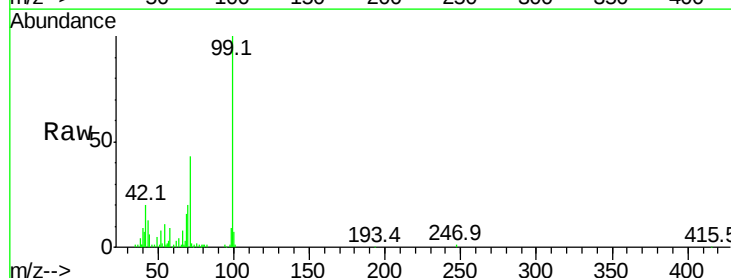
Tgt Ion: 77 Resp: 88

Ion Ratio Lower Upper

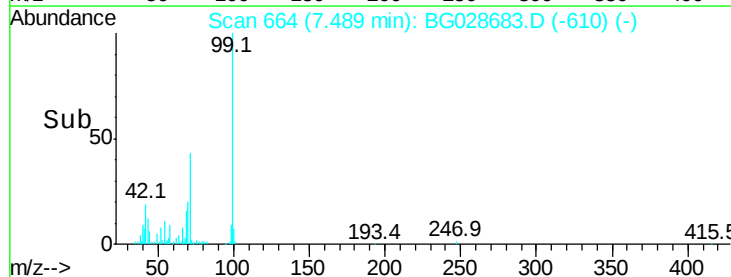
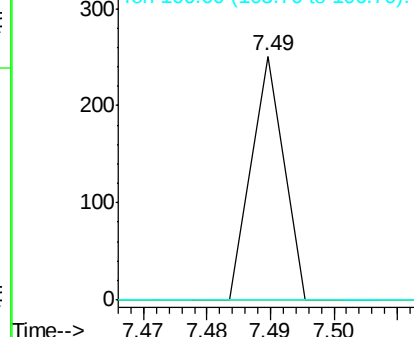
77 100

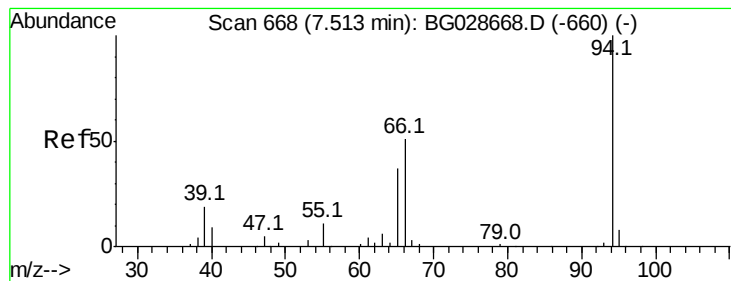
105 0.0 60.9 100.9#

106 0.0 55.1 95.1#



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: 0.548 ng

RT: 7.51 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

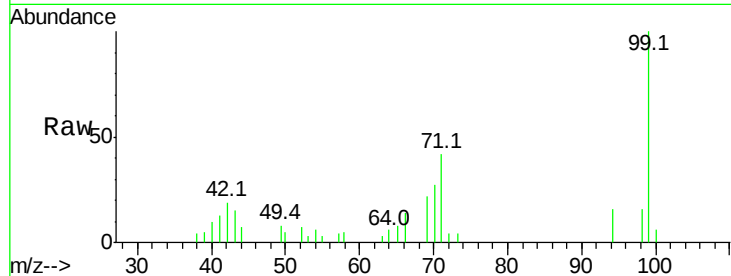
Tot Ion: 94 Resp: 1514

Ion Ratio Lower Upper

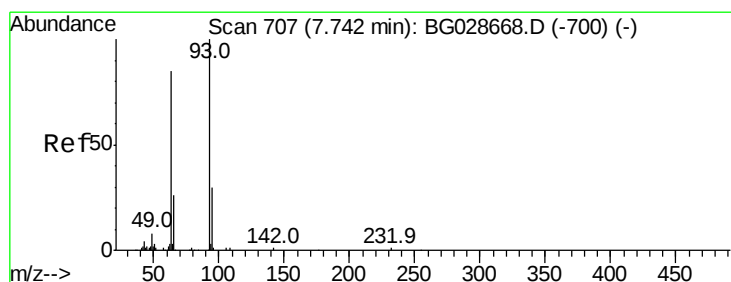
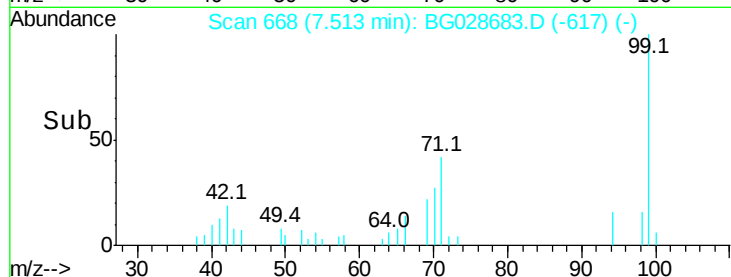
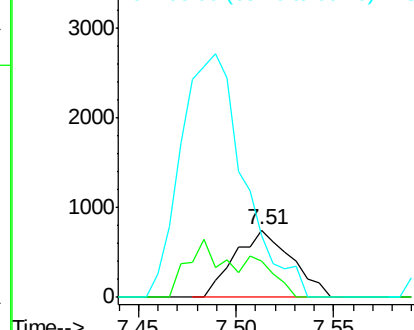
94 100

65 53.1 20.6 60.6

66 92.0 35.5 75.5#



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: 0.209 ng

RT: 7.87 min Scan# 728

Delta R.T. 0.12 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

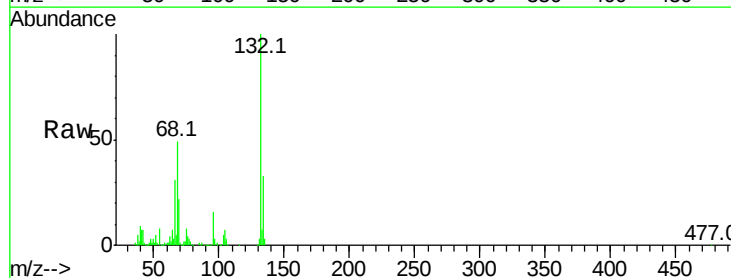
Tgt Ion: 93 Resp: 415

Ion Ratio Lower Upper

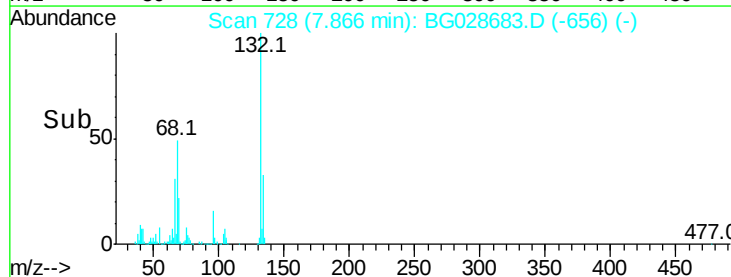
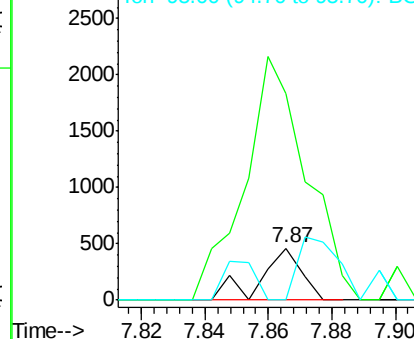
93 100

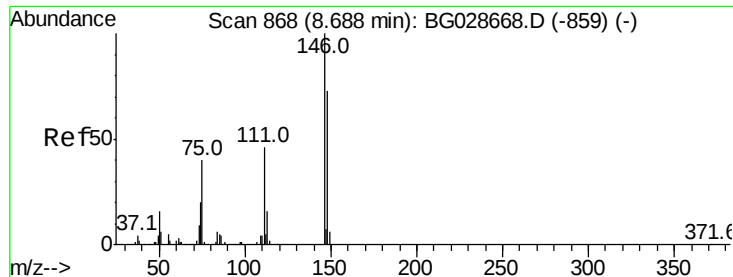
63 396.1 78.5 118.5#

95 0.0 9.8 49.8#



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

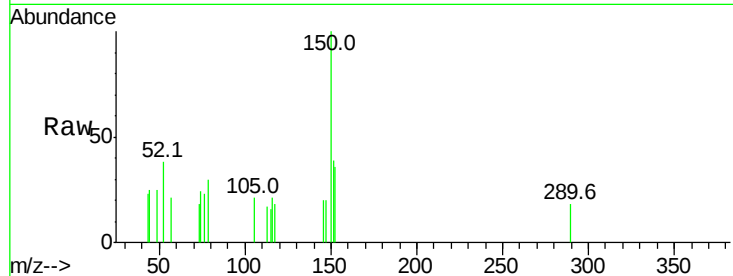




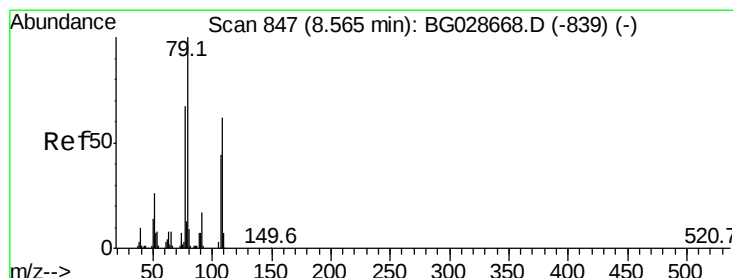
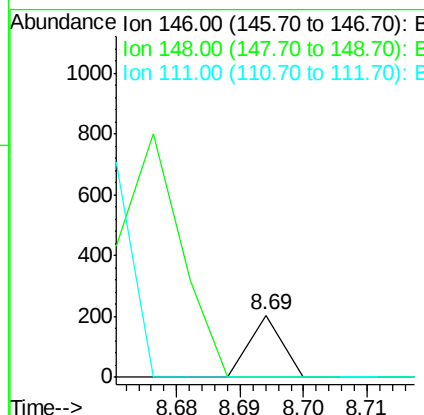
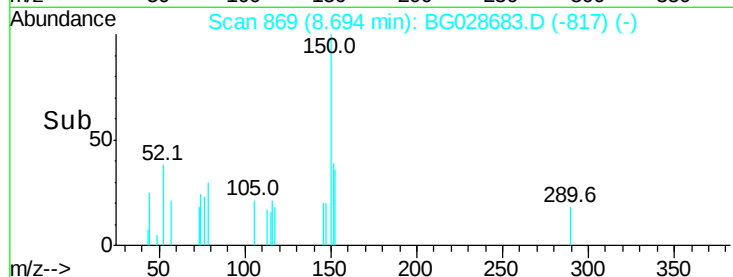
#14
 1,2-Dichlorobenzene
 Concen: 0.034 ng
 RT: 8.69 min Scan# 869
 Delta R.T. 0.01 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:146 Resp: 72
 Ion Ratio Lower Upper
 146 100
 148 0.0 54.6 81.8#
 111 0.0 39.7 59.5#

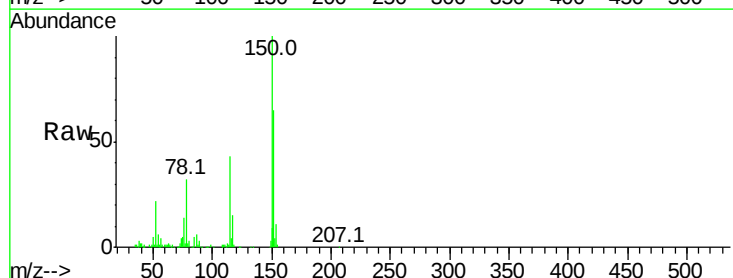


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

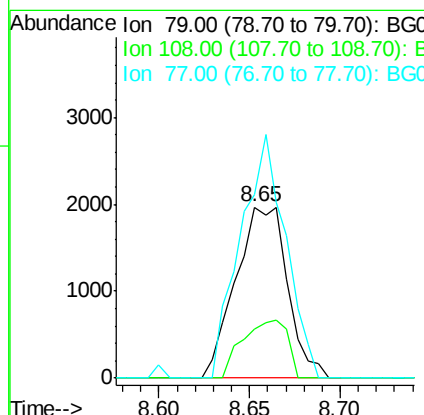
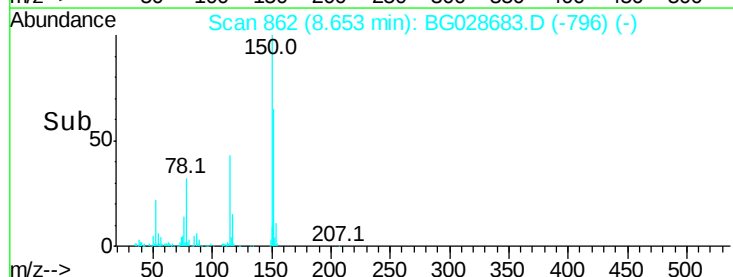


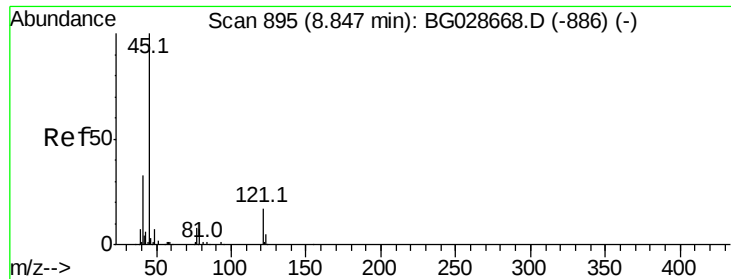
#15
 Benzyl Alcohol
 Concen: 1.916 ng
 RT: 8.65 min Scan# 862
 Delta R.T. 0.09 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Tgt Ion: 79 Resp: 3913
 Ion Ratio Lower Upper
 79 100
 108 29.1 45.5 68.3#
 77 107.2 54.3 81.5#



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

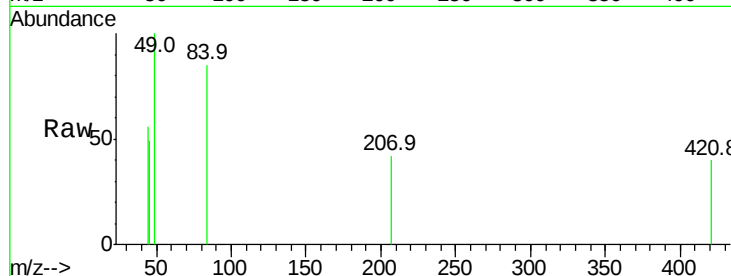




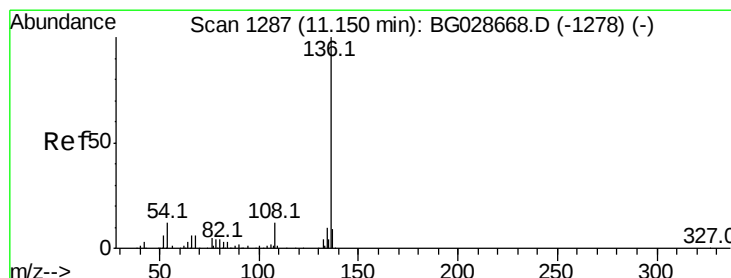
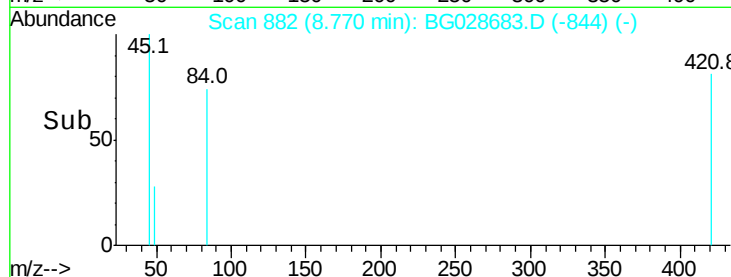
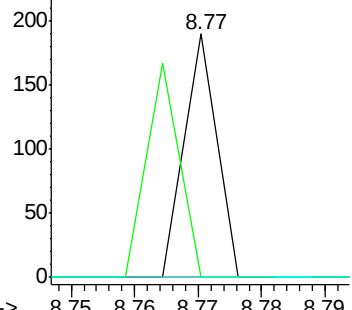
#16
 2,2'-oxvbis(1-Chloropropane)
 Concen: 0.019 ng
 RT: 8.77 min Scan# 882
 Delta R.T. -0.08 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 45 Resp: 67
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 30.6
 79 0.0 0.0 28.5

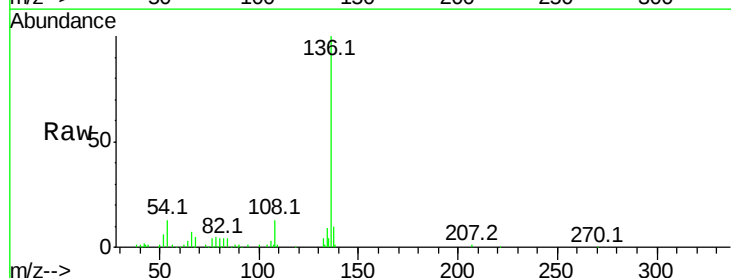


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

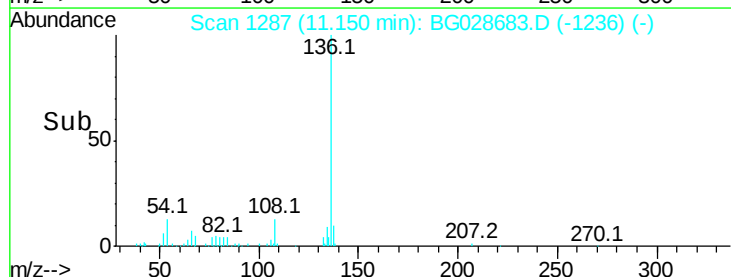
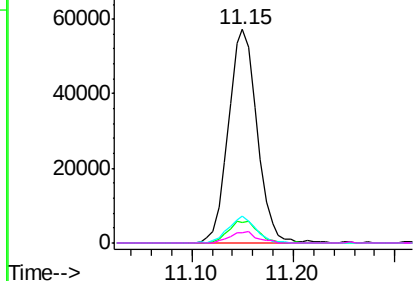


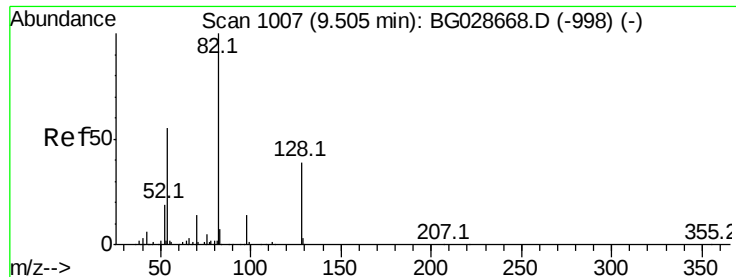
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Tgt Ion: 136 Resp: 112350
 Ion Ratio Lower Upper
 136 100
 137 9.9 8.9 13.3
 54 12.6 9.3 13.9
 68 4.6 5.1 7.7#



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

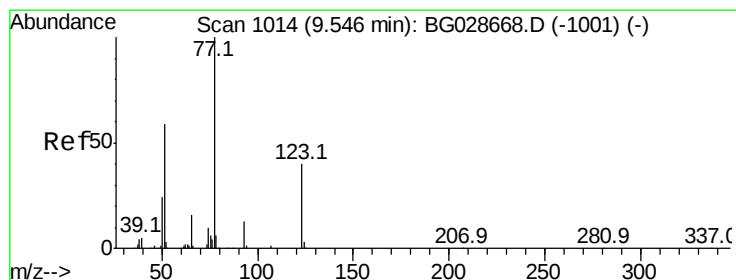
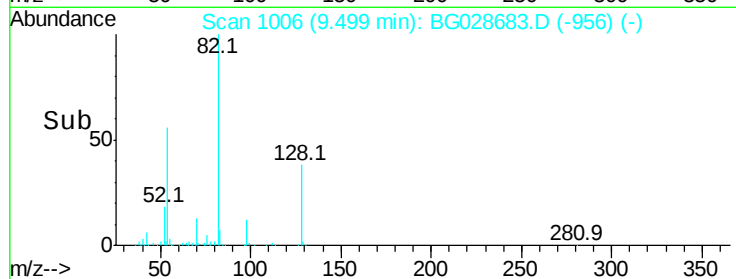
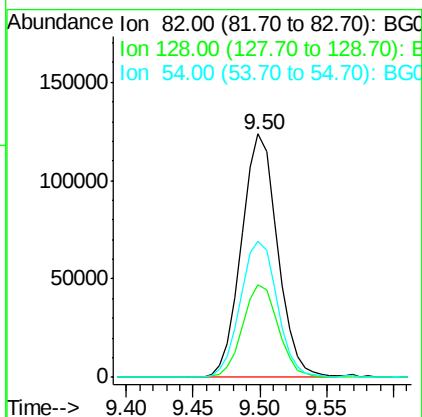
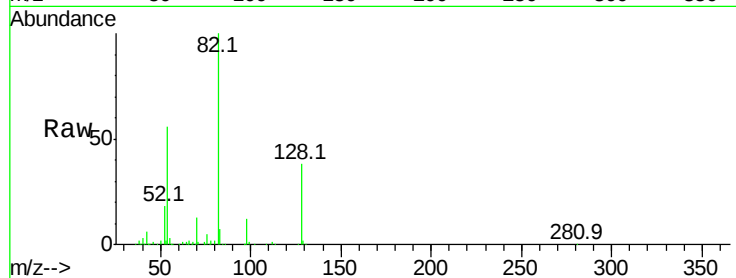




#23
Nitrobenzene-d5
Concen: 98.447 ng
RT: 9.50 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

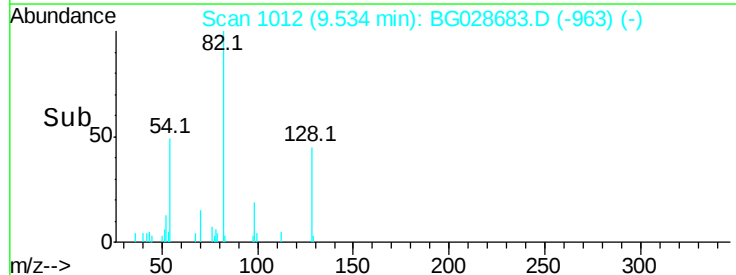
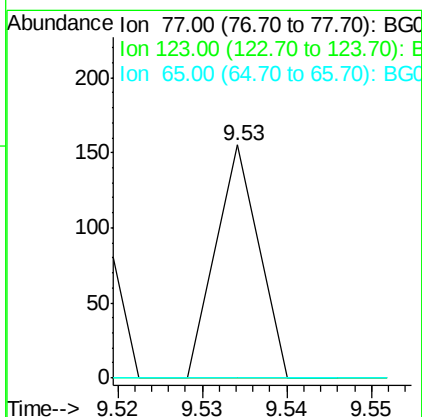
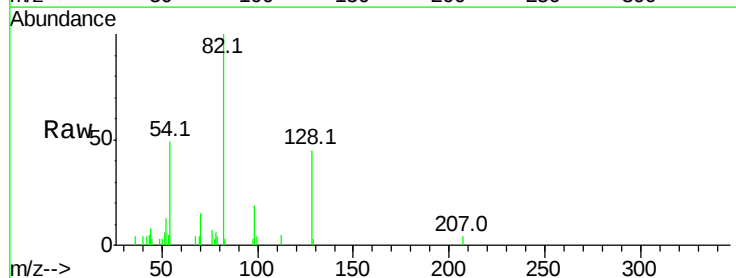
Instrument :
BNA_G
ClientSampleId :

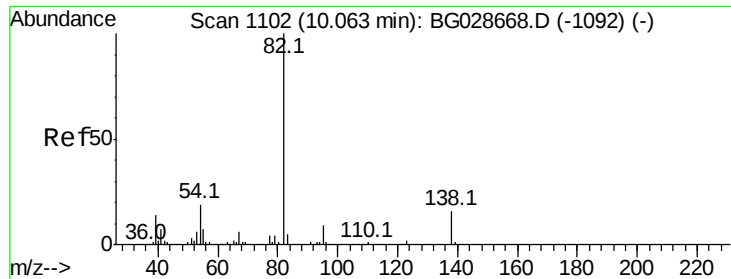
Tot Ion: 82 Resp: 231211
Ion Ratio Lower Upper
82 100
128 38.0 26.4 39.6
54 55.7 49.4 74.2



#24
Nitrobenzene
Concen: 0.021 ng
RT: 9.53 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion: 77 Resp: 55
Ion Ratio Lower Upper
77 100
123 0.0 26.1 39.1#
65 0.0 12.4 18.6#





#25

Isophorone

Concen: 0.014 ng

RT: 9.96 min Scan# 1084

Delta R.T. -0.11 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampled :

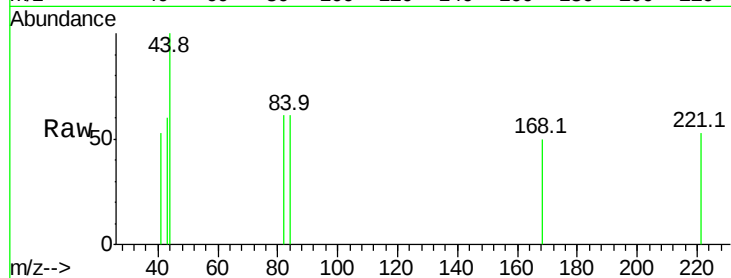
Tot Ion: 82 Resp: 65

Ion Ratio Lower Upper

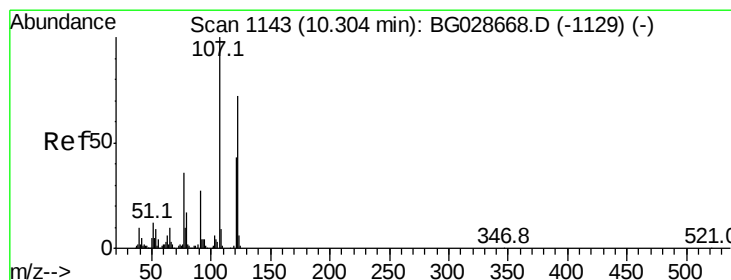
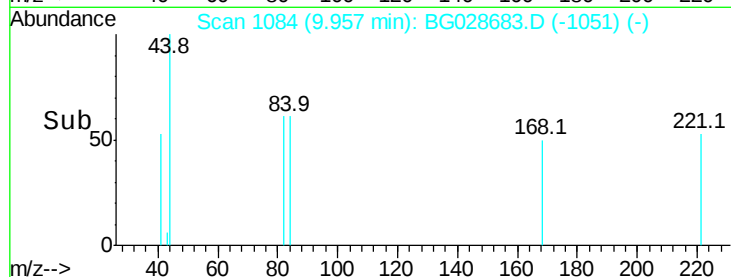
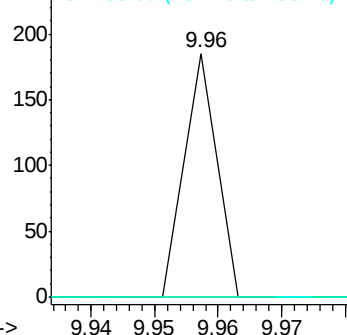
82 100

95 0.0 7.5 11.3#

138 0.0 12.3 18.5#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#27

2,4-Dimethylphenol

Concen: 0.043 ng

RT: 10.38 min Scan# 1156

Delta R.T. 0.08 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

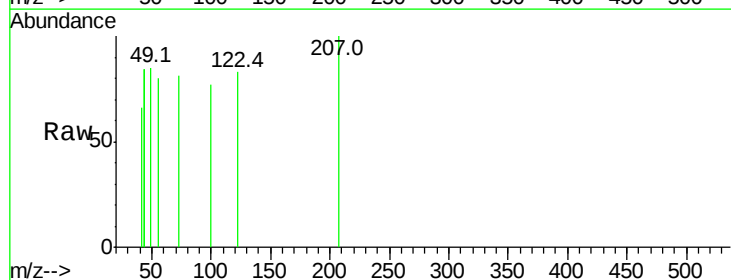
Tgt Ion: 122 Resp: 87

Ion Ratio Lower Upper

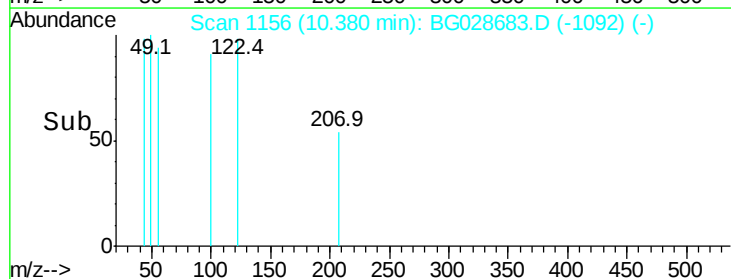
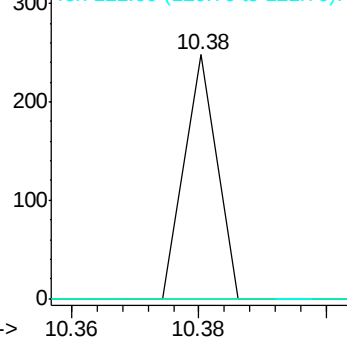
122 100

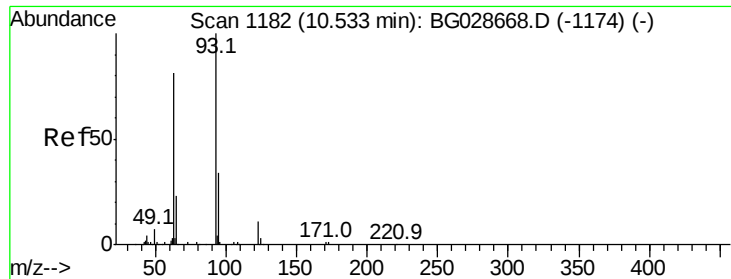
107 0.0 104.2 156.4#

121 0.0 46.0 69.0#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

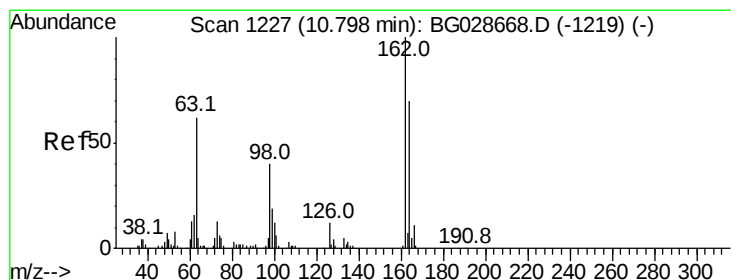
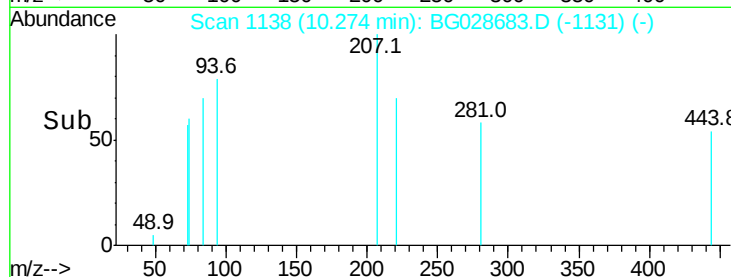
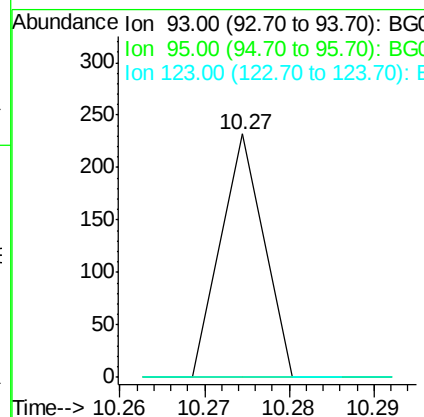
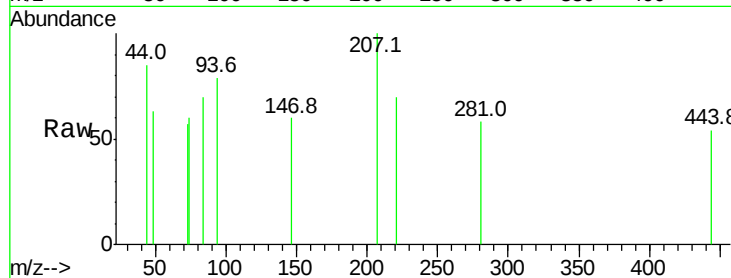




#28
bis(2-Chloroethoxy)methane
Concen: 0.032 ng
RT: 10.27 min Scan# 1138
Delta R.T. -0.26 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

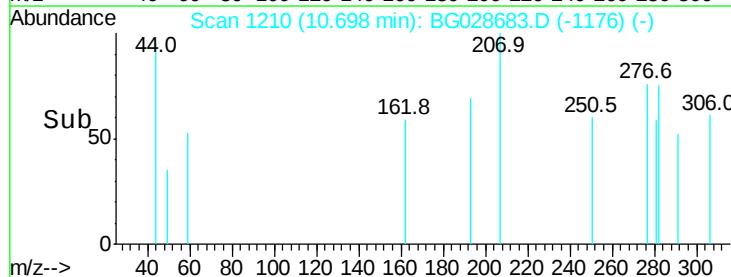
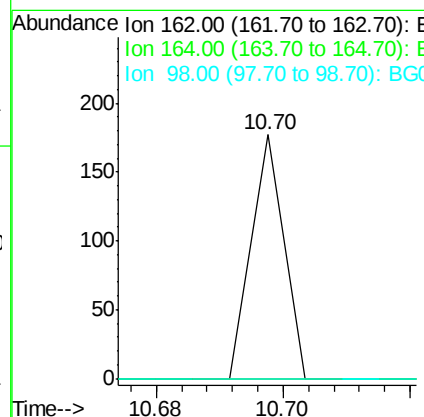
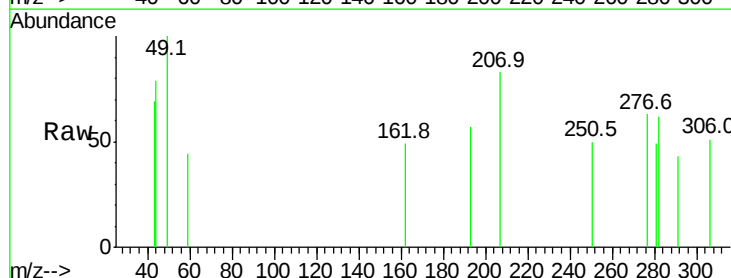
Instrument :
BNA_G
ClientSampled :

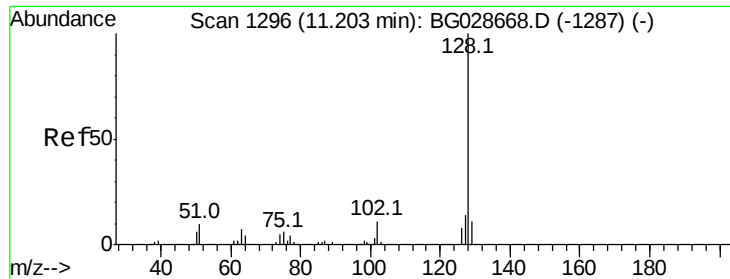
Tot Ion: 93 Resp: 82
Ion Ratio Lower Upper
93 100
95 0.0 25.7 38.5#
123 0.0 8.3 12.5#



#29
2,4-Dichlorophenol
Concen: 0.031 ng
RT: 10.70 min Scan# 1210
Delta R.T. -0.10 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion: 162 Resp: 62
Ion Ratio Lower Upper
162 100
164 0.0 42.4 82.4#
98 0.0 20.3 60.3#

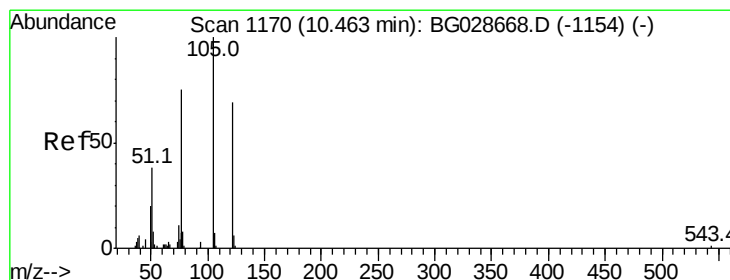
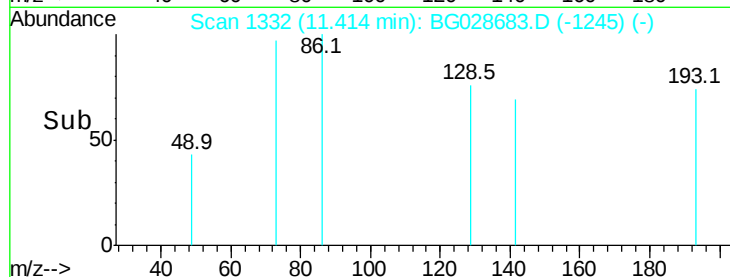
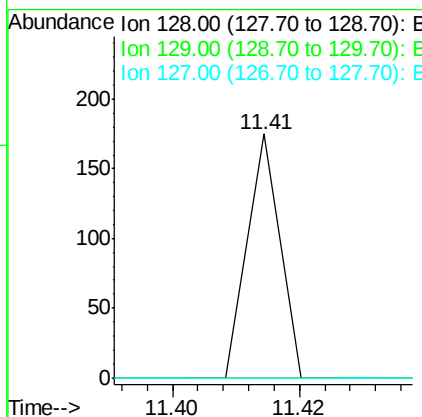
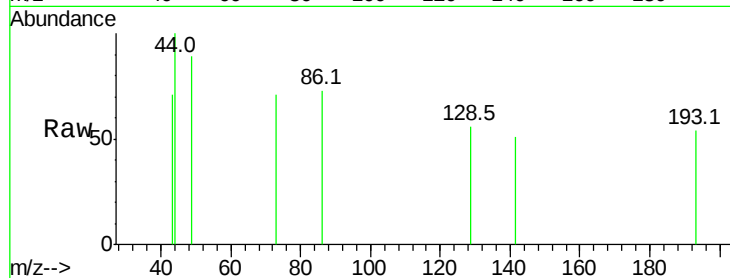




#31
Naphthalene
Concen: 0.011 ng
RT: 11.41 min Scan# 1332
Delta R.T. 0.21 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

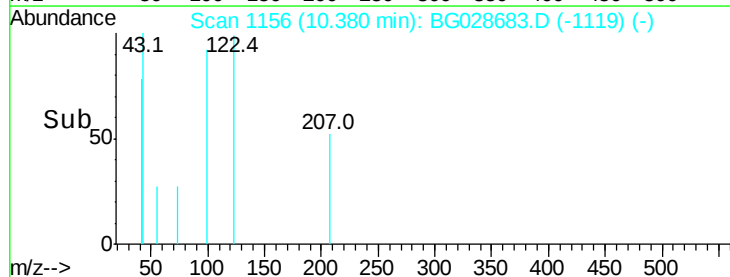
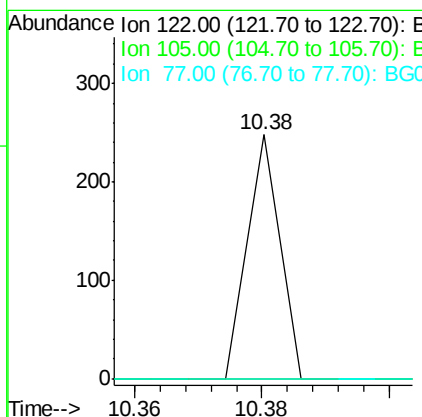
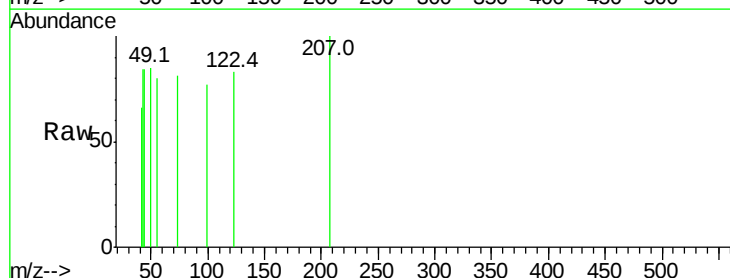
Instrument :
BNA_G
ClientSampleId :

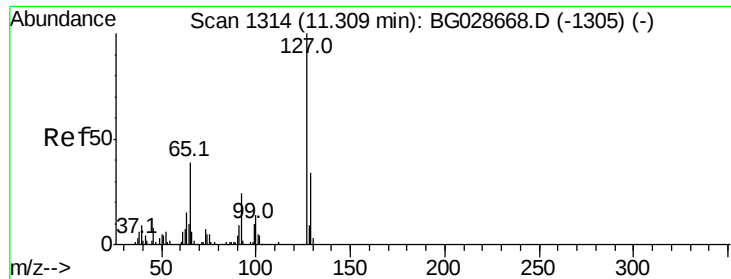
Tot Ion:128 Resp: 62
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 11.4 17.0#



#32
Benzoic acid
Concen: 6.139 ng
RT: 10.38 min Scan# 1156
Delta R.T. -0.08 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion:122 Resp: 87
Ion Ratio Lower Upper
122 100
105 0.0 120.1 160.1#
77 0.0 104.6 144.6#

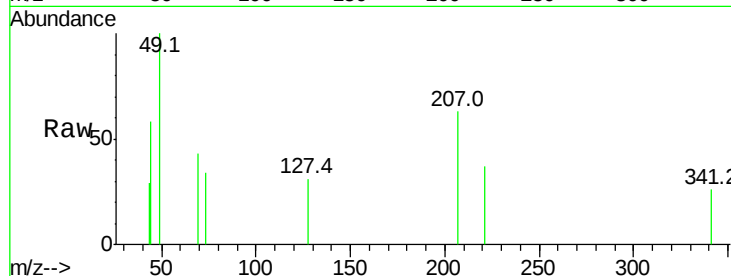




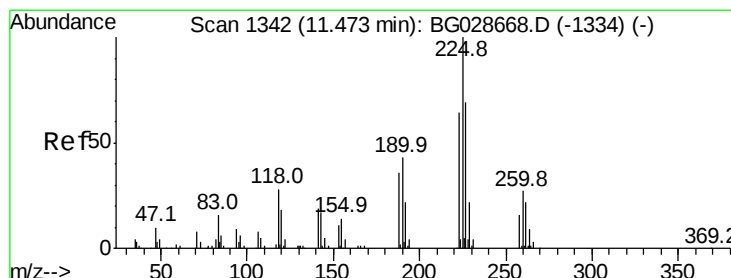
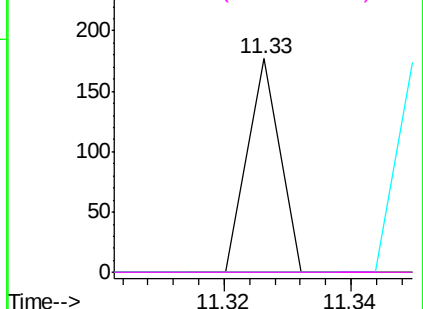
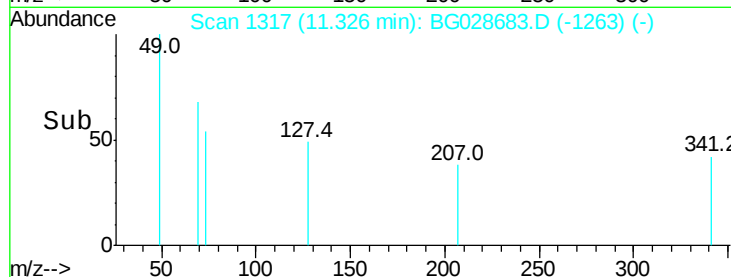
#33
4-Chloroaniline
Concen: 0.025 ng
RT: 11.33 min Scan# 1317
Delta R.T. 0.02 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Instrument :
BNA_G
ClientSampled :

Tot Ion:127 Resp: 62
Ion Ratio Lower Upper
127 100
129 0.0 23.6 35.4#
65 0.0 37.7 56.5#
92 0.0 17.6 26.4#

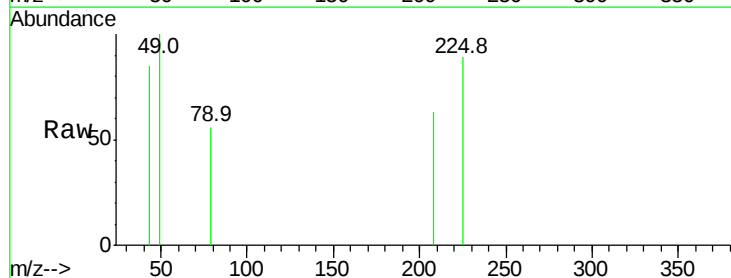


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

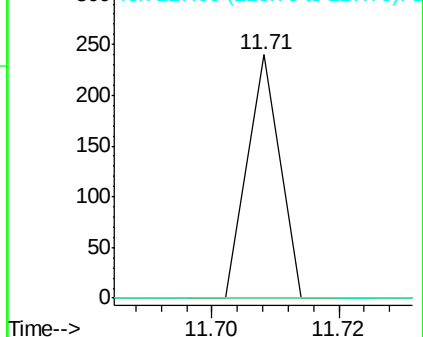
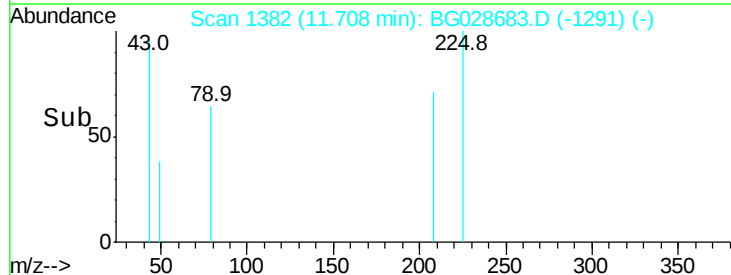


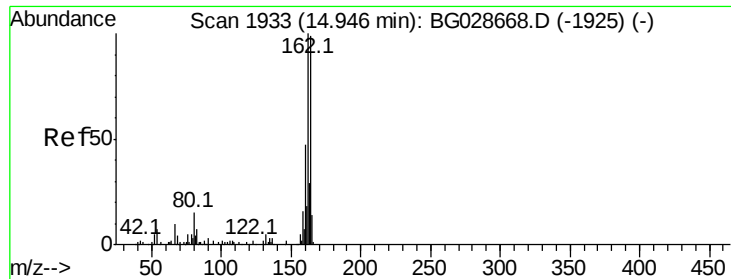
#34
Hexachlorobutadiene
Concen: 0.050 ng
RT: 11.71 min Scan# 1382
Delta R.T. 0.23 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion:225 Resp: 85
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 49.0 73.6#



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.94 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

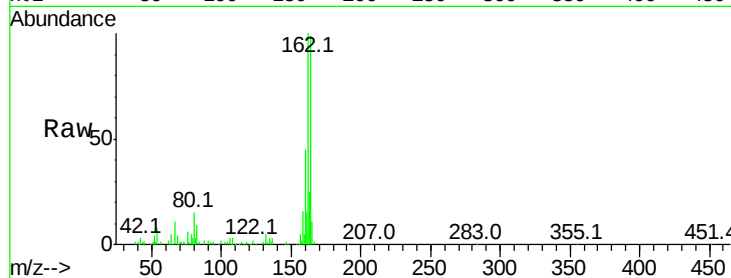
Tot Ion:164 Resp: 83414

Ion Ratio Lower Upper

164 100

162 101.3 85.1 127.7

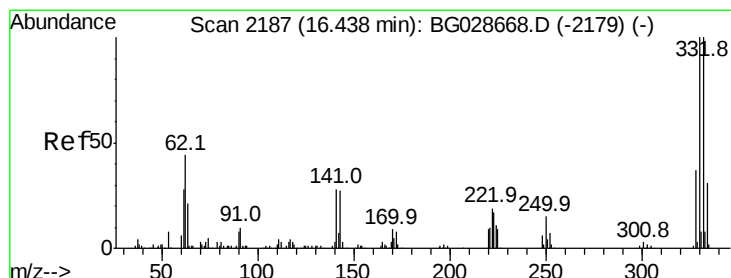
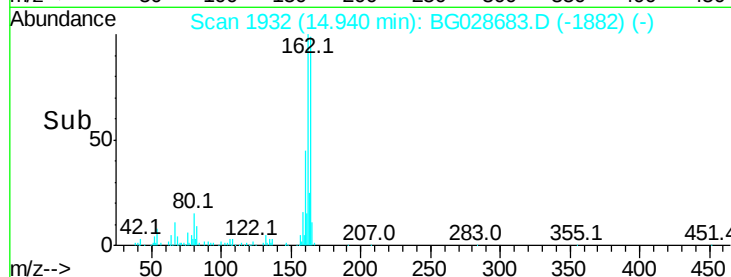
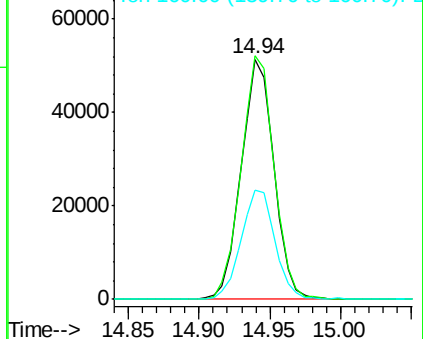
160 45.3 34.7 52.1



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: 167.557 ng

RT: 16.43 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

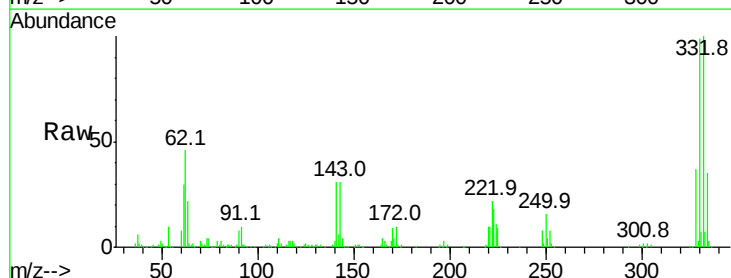
Tgt Ion:330 Resp: 231165

Ion Ratio Lower Upper

330 100

332 97.5 77.3 115.9

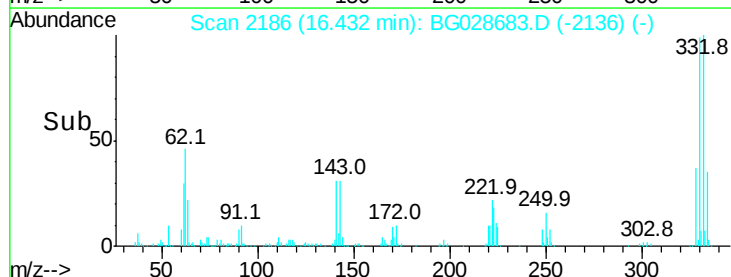
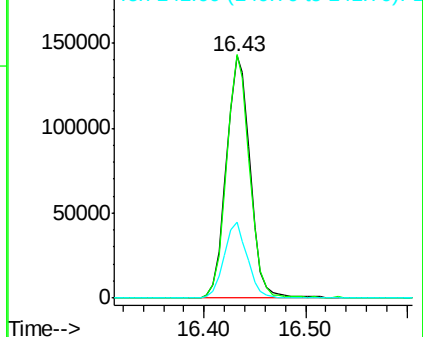
141 30.8 32.1 48.1#

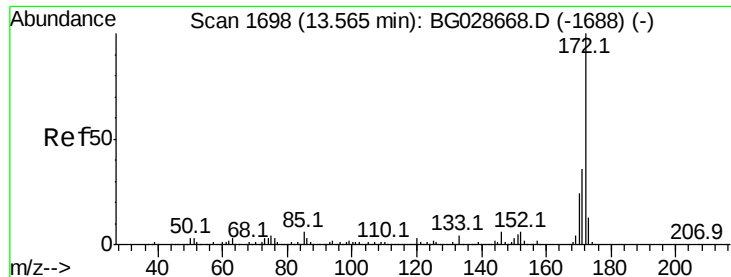


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

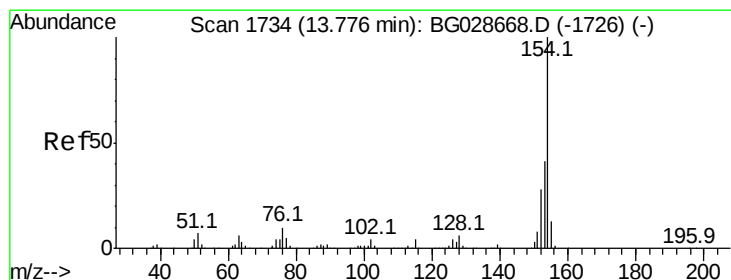
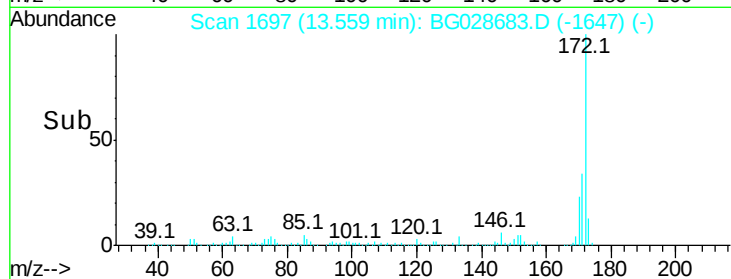
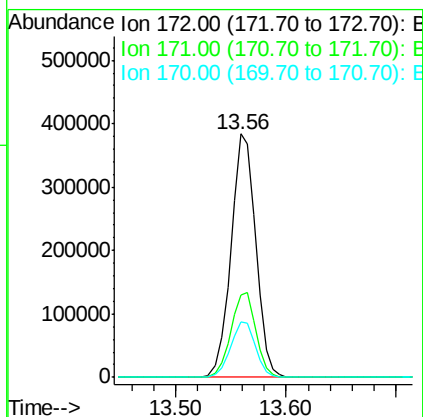
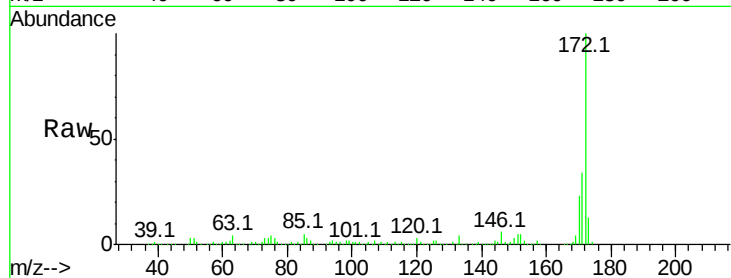




#44
2-Fluorobiphenyl
Concen: 96.581 ng
RT: 13.56 min Scan# 1697
Delta R.T. -0.01 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

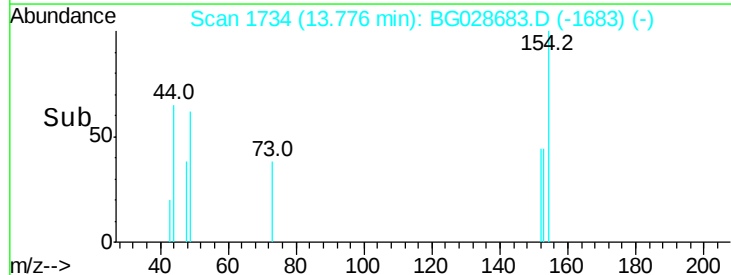
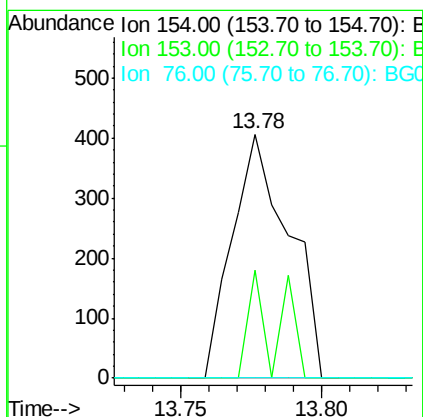
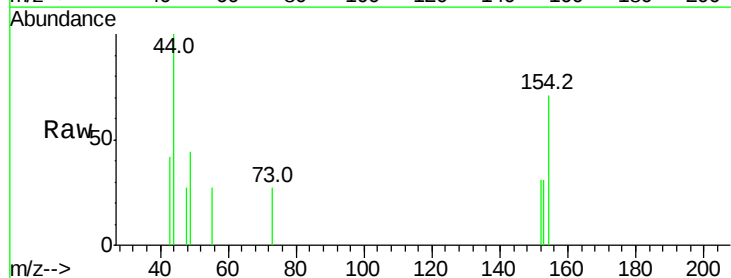
Instrument :
BNA_G
ClientSampleId :

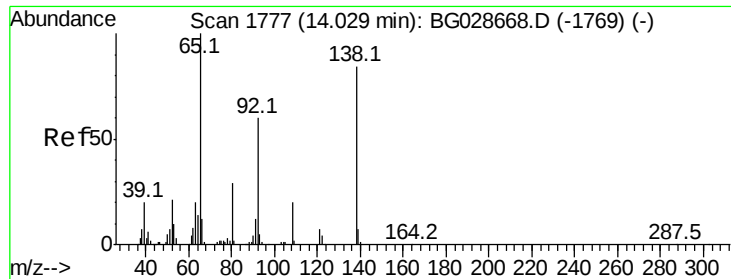
Tot Ion:172 Resp: 604174
Ion Ratio Lower Upper
172 100
171 33.9 32.2 48.2
170 22.9 21.8 32.6



#45
1,1'-Biphenyl
Concen: 0.082 ng
RT: 13.78 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion:154 Resp: 564
Ion Ratio Lower Upper
154 100
153 44.1 23.0 63.0
76 0.0 0.0 33.5





#47

2-Nitroaniline

Concen: 0.041 ng

RT: 14.00 min Scan# 1772

Delta R.T. -0.03 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

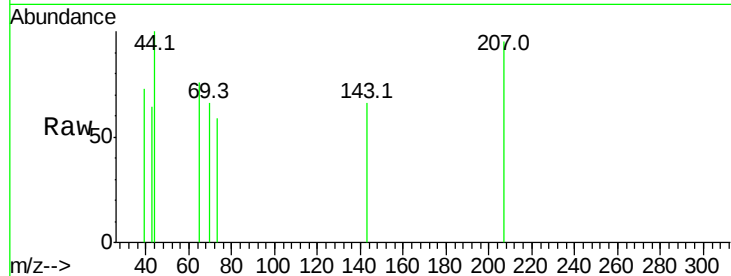
Tot Ion: 65 Resp: 77

Ion Ratio Lower Upper

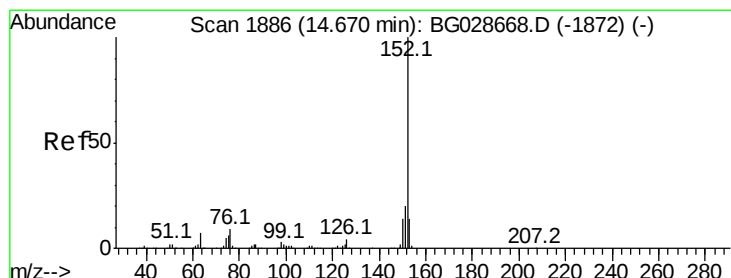
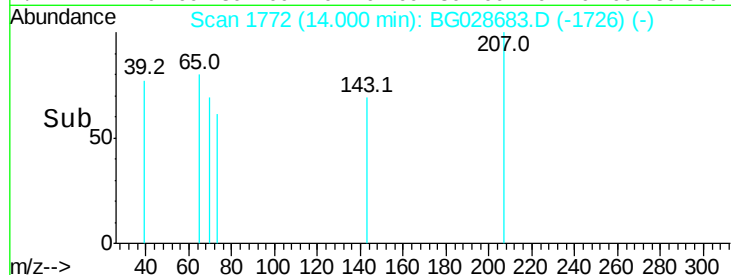
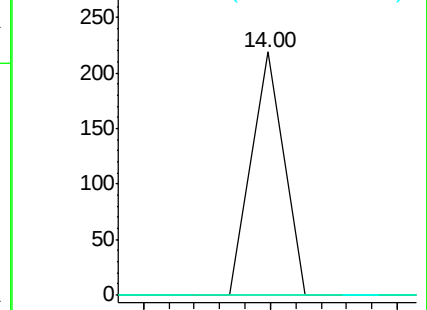
65 100

92 0.0 49.0 73.4#

138 0.0 58.6 87.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 0.007 ng

RT: 14.71 min Scan# 1893

Delta R.T. 0.04 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

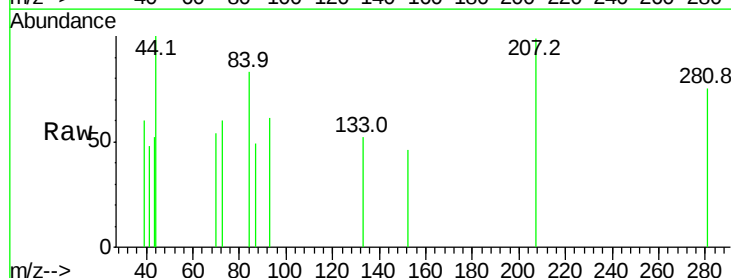
Tgt Ion: 152 Resp: 54

Ion Ratio Lower Upper

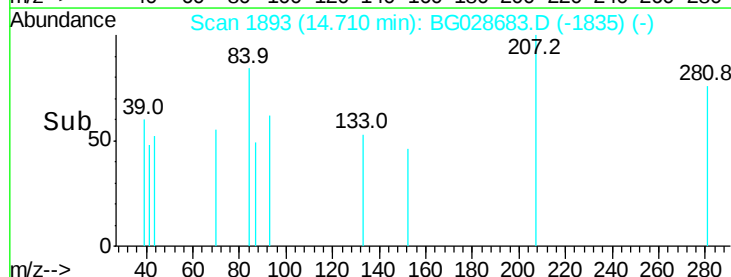
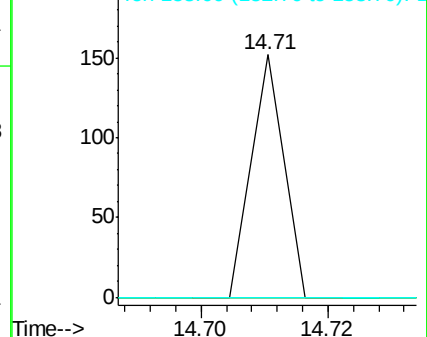
152 100

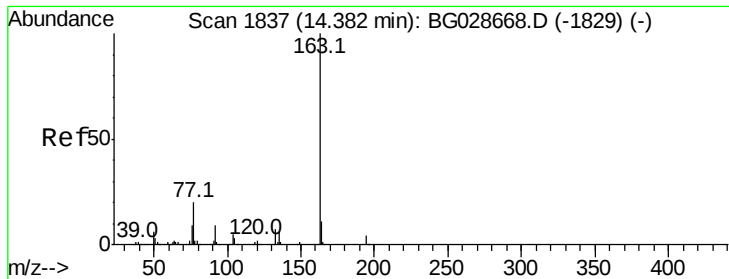
151 0.0 18.2 27.2#

153 0.0 11.3 16.9#



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 0.009 ng

RT: 14.37 min Scan# 1835

Delta R.T. -0.01 min

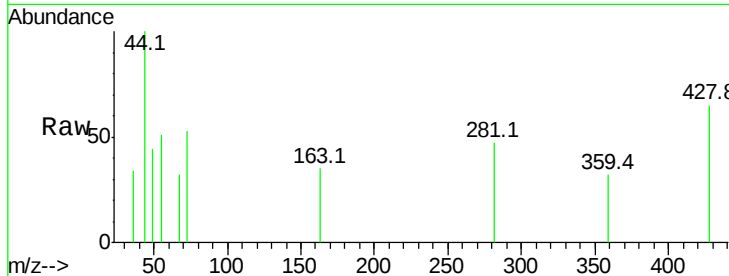
Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

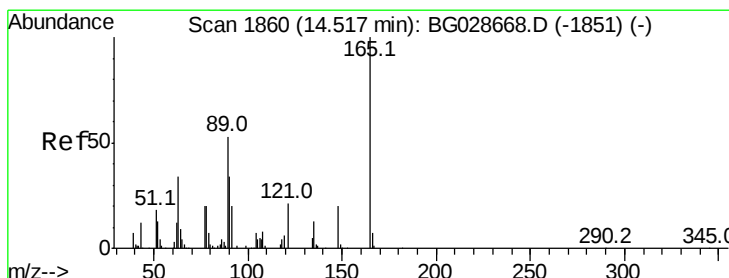
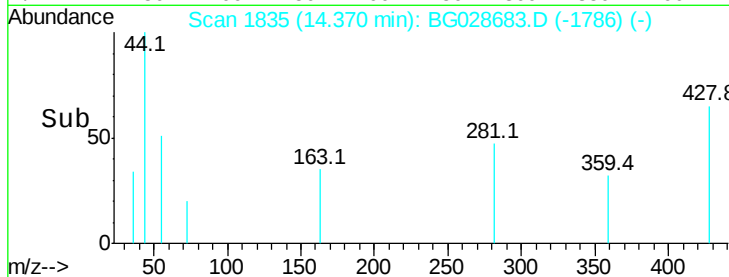
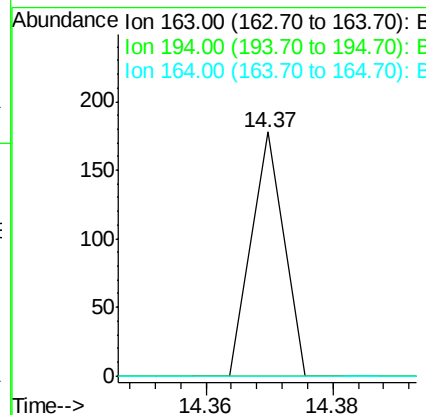
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	163	Resp:	63
Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.8	5.6#
164	0.0	9.3	13.9#



#50

2,6-Dinitrotoluene

Concen: 0.044 ng

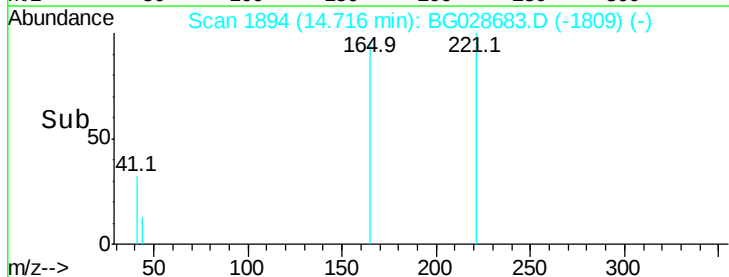
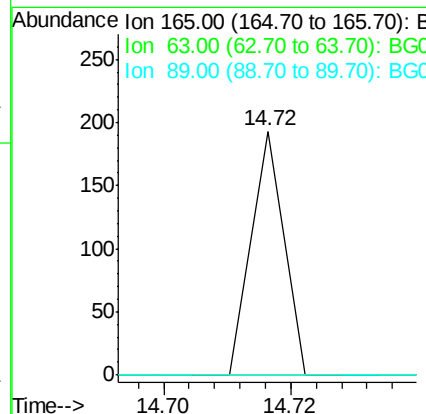
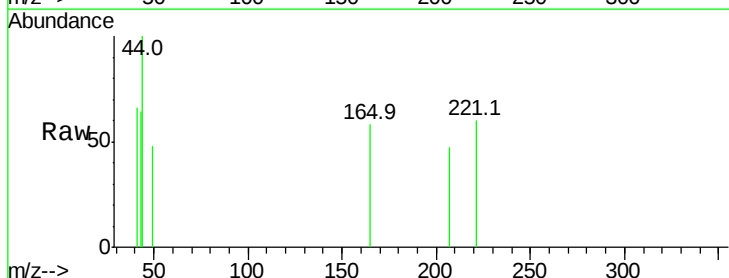
RT: 14.72 min Scan# 1894

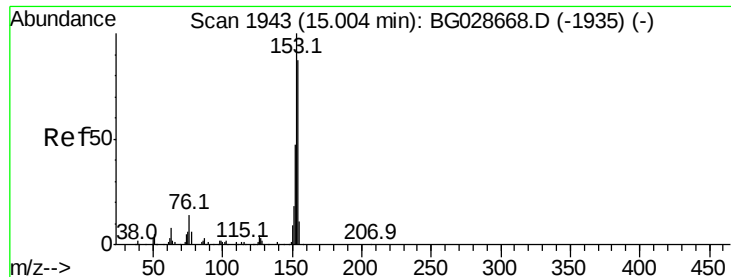
Delta R.T. 0.20 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Tgt Ion:	165	Resp:	68
Ion	Ratio	Lower	Upper
165	100		
63	0.0	63.9	95.9#
89	0.0	58.6	88.0#





#51

Acenaphthene

Concen: 0.040 ng

RT: 14.94 min Scan# 1932

Delta R.T. -0.06 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

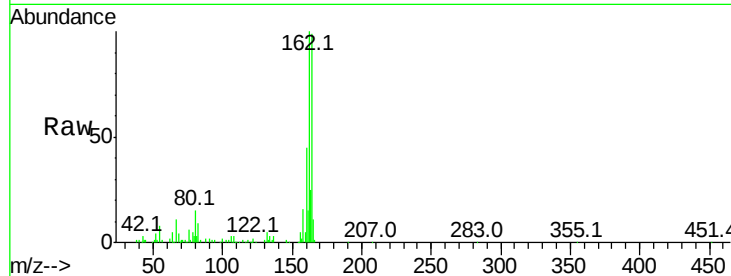
Tot Ion:154 Resp: 196

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

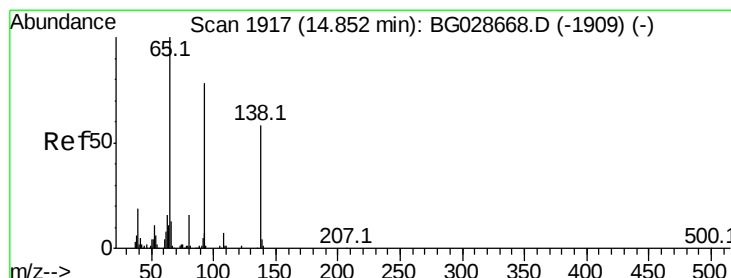
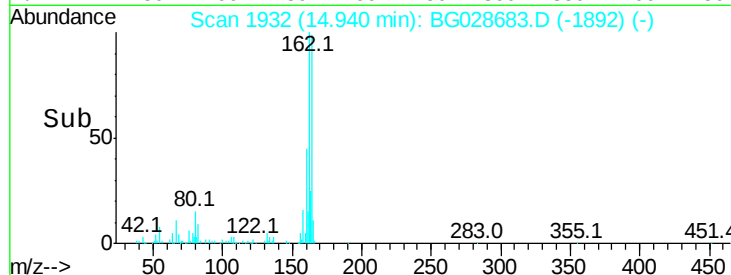
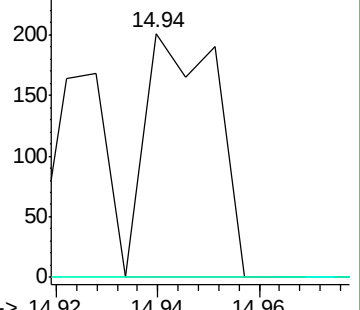
152 0.0 42.2 63.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 0.071 ng

RT: 14.57 min Scan# 1869

Delta R.T. -0.28 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

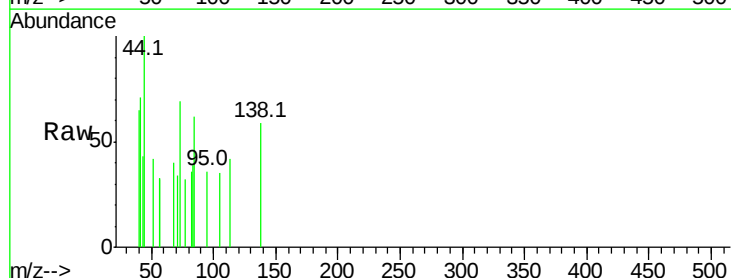
Tgt Ion:138 Resp: 98

Ion Ratio Lower Upper

138 100

108 0.0 10.9 16.3#

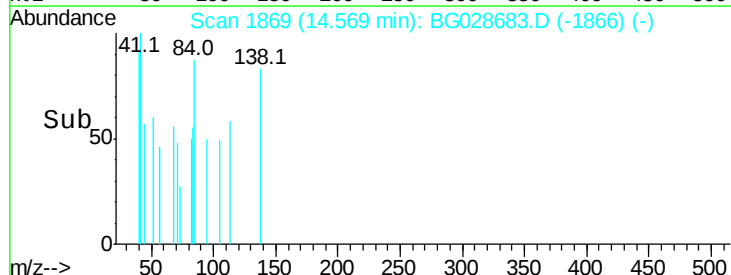
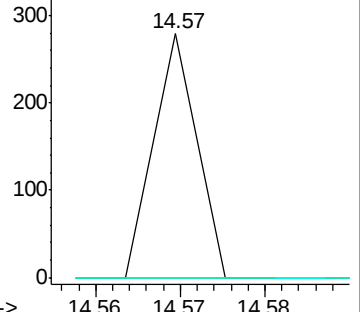
92 0.0 115.3 172.9#

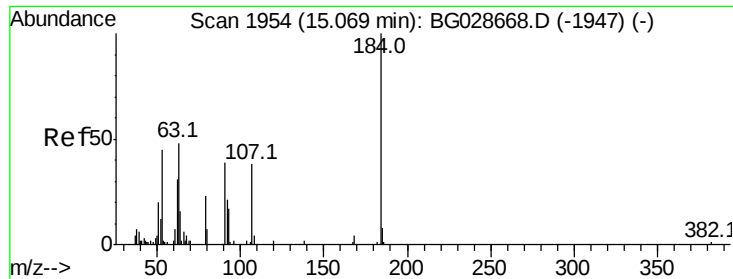


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

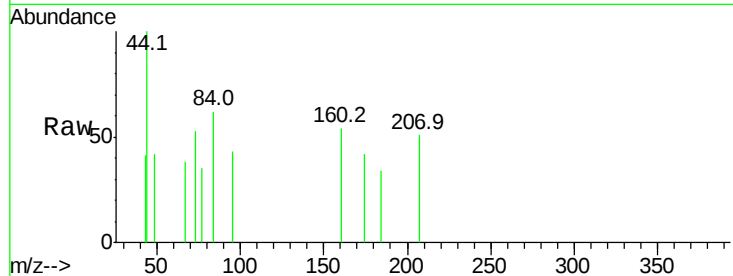




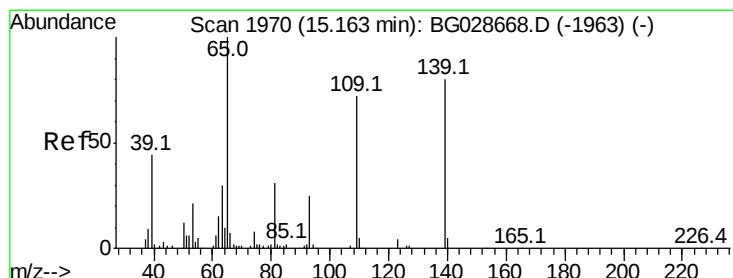
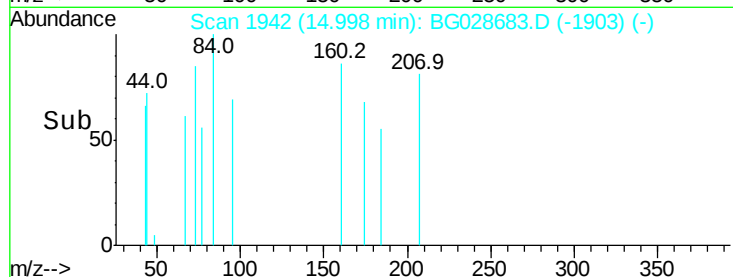
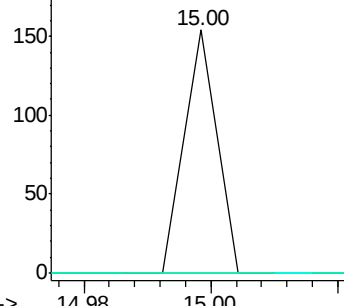
#53
2,4-Dinitrophenol
Concen: 8.061 ng
RT: 15.00 min Scan# 1942
Delta R.T. -0.07 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 52.7 79.1#
154 0.0 57.3 85.9#

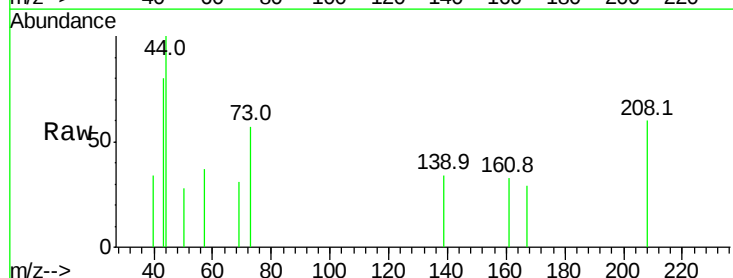


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

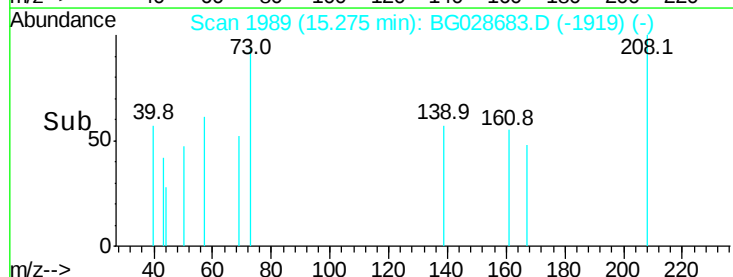
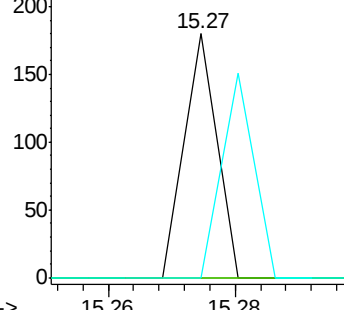


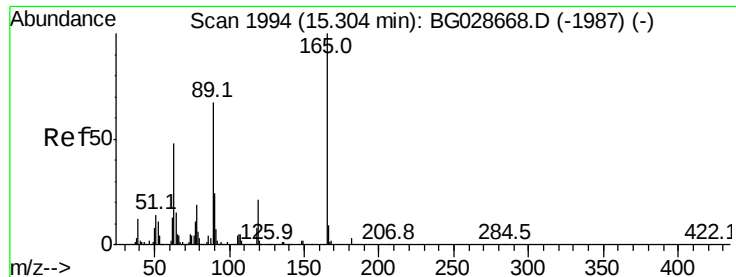
#55
4-Nitrophenol
Concen: 0.062 ng
RT: 15.27 min Scan# 1989
Delta R.T. 0.11 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 0.0 101.2 141.2#
65 0.0 135.3 175.3#



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): BG

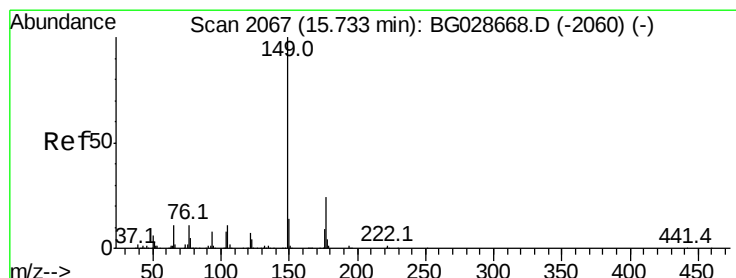
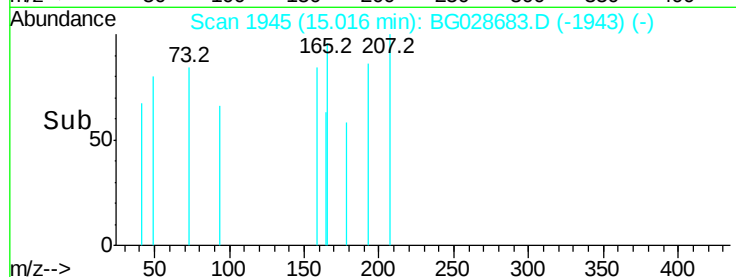
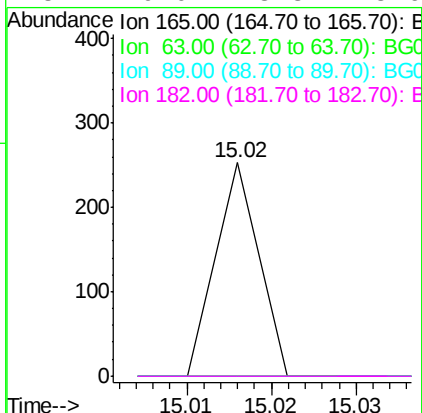
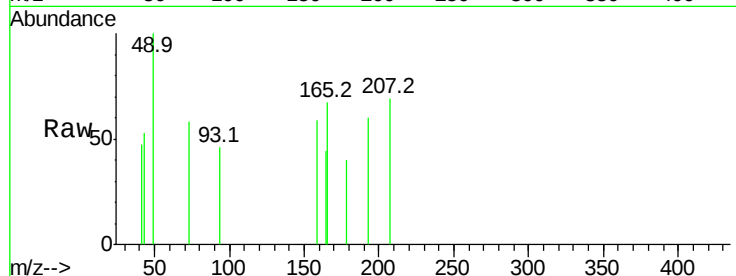




#56
2,4-Dinitrotoluene
Concen: 0.041 ng
RT: 15.02 min Scan# 1945
Delta R.T. -0.29 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

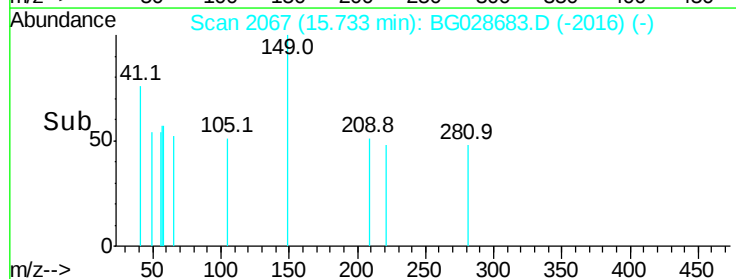
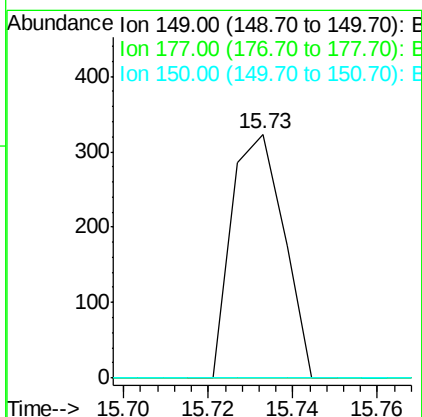
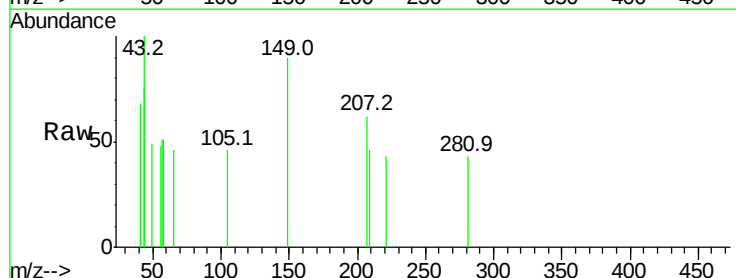
Instrument :
BNA_G
ClientSampleId :

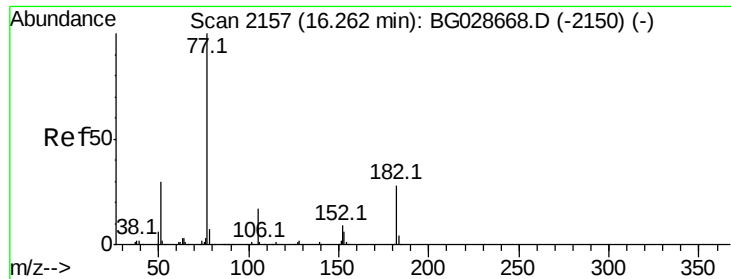
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.0	66.0#
89	0.0	67.3	100.9#
182	0.0	3.8	5.6#



#59
Diethylphthalate
Concen: 0.038 ng
RT: 15.73 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	20.1	30.1#
150	0.0	10.2	15.2#





#62

Azobenzene

Concen: 0.272 ng

RT: 16.29 min Scan# 2162

Delta R.T. 0.03 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 1644

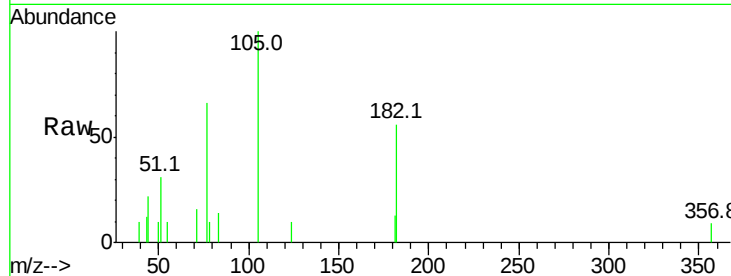
Ion Ratio Lower Upper

77 100

182 85.3 4.7 44.7#

105 151.0 0.0 36.3#

51 47.2 16.4 56.4

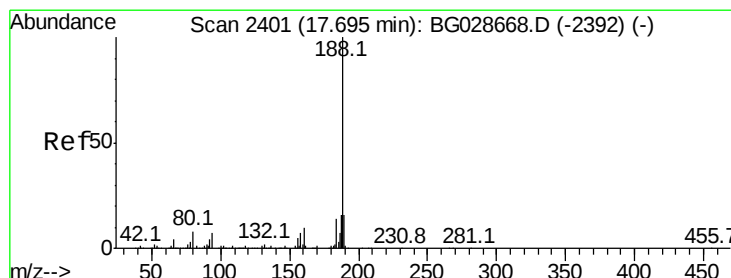
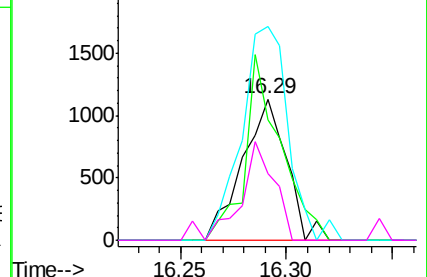
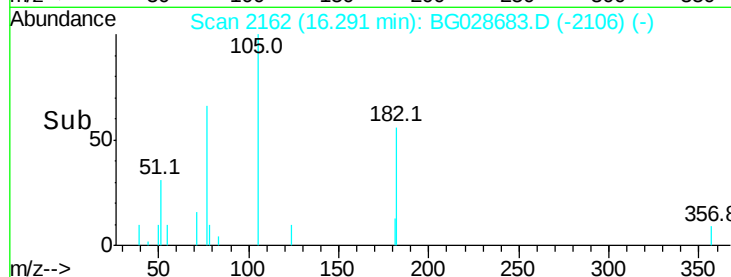


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.70 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

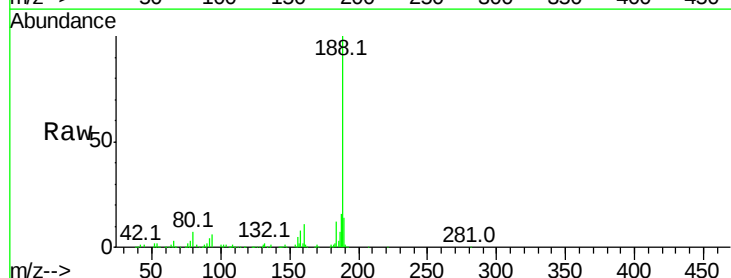
Tgt Ion: 188 Resp: 234757

Ion Ratio Lower Upper

188 100

94 5.9 5.8 8.8

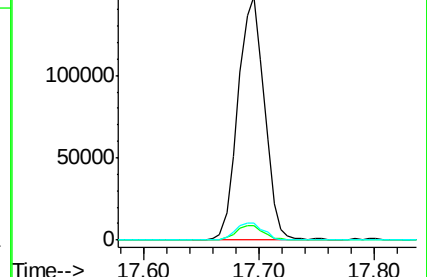
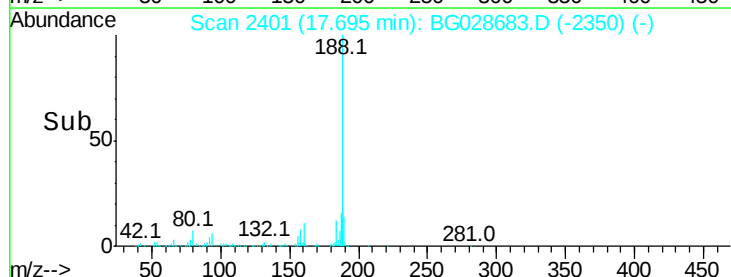
80 7.2 7.5 11.3#

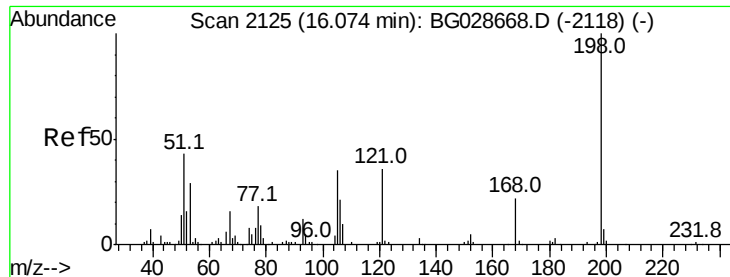


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

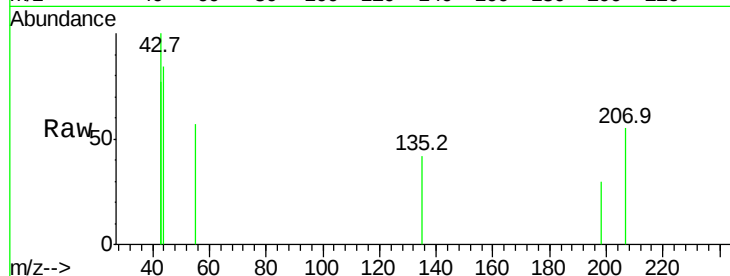




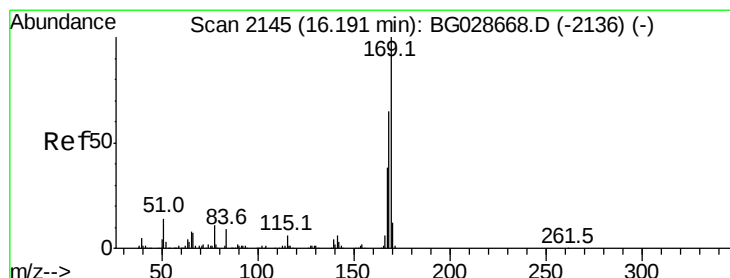
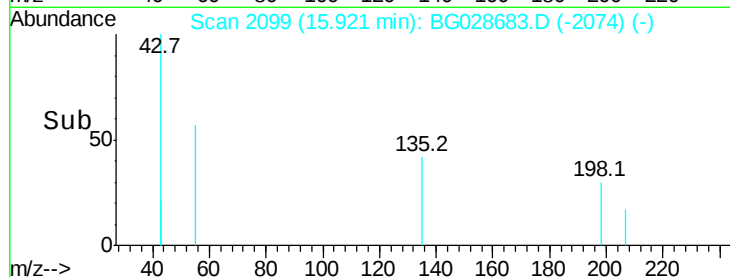
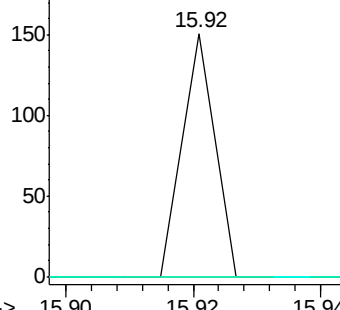
#64
4,6-Dinitro-2-methylphenol
Concen: 0.035 ng
RT: 15.92 min Scan# 2099
Delta R.T. -0.15 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 0.0 22.6 62.6#
105 0.0 14.4 54.4#

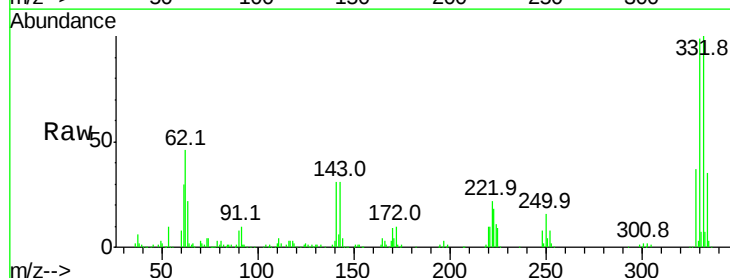


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

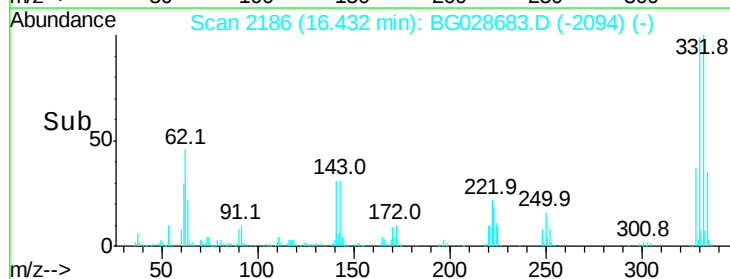
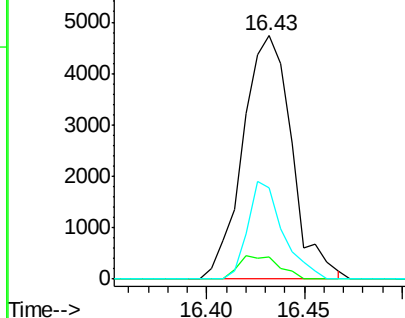


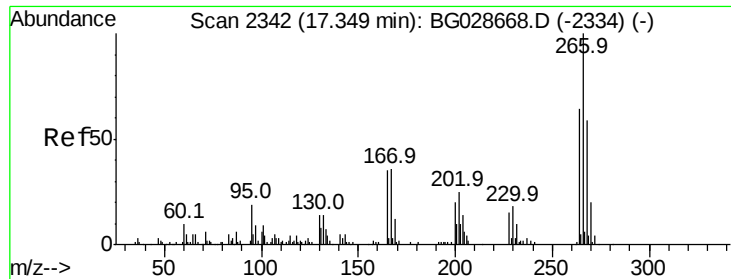
#65
n-Nitrosodiphenylamine
Concen: 1.216 ng
RT: 16.43 min Scan# 2186
Delta R.T. 0.24 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion:169 Resp: 8185
Ion Ratio Lower Upper
169 100
168 9.1 55.7 83.5#
167 37.3 29.8 44.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

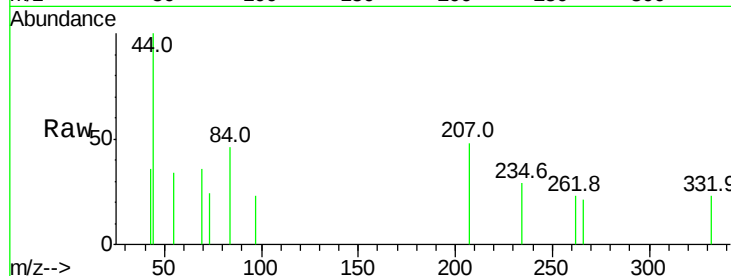




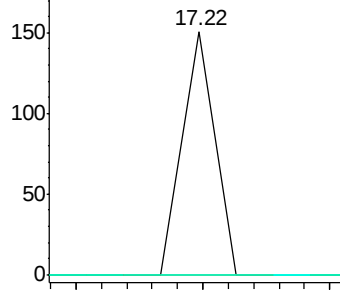
#69
 Pentachlorophenol
 Concen: 0.034 ng
 RT: 17.22 min Scan# 2320
 Delta R.T. -0.13 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Instrument :
 BNA_G
 ClientSampleId :

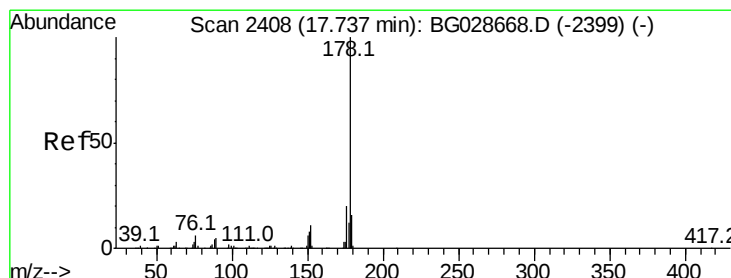
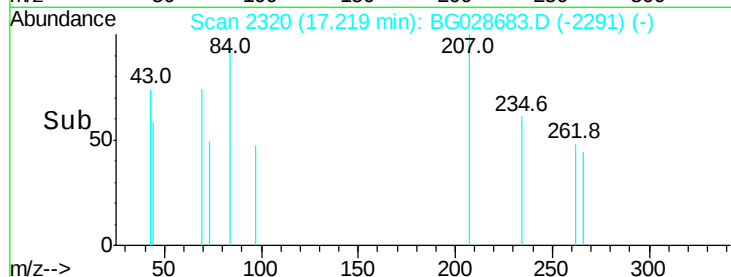
Tot Ion:266 Resp: 53
 Ion Ratio Lower Upper
 266 100
 268 0.0 48.6 72.8#
 264 0.0 50.1 75.1#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

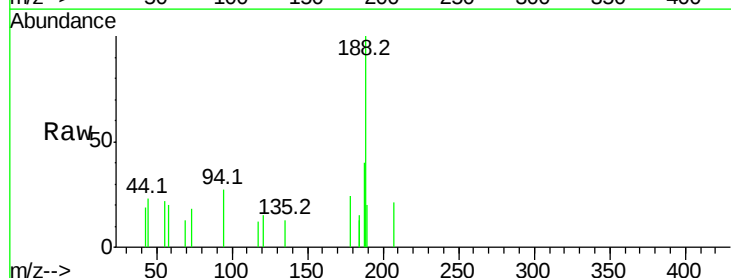


Time--> 17.20 17.22

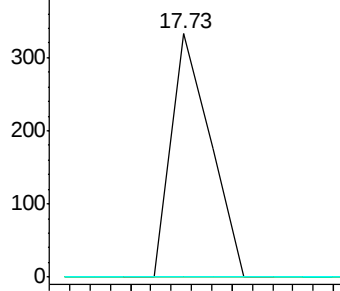


#70
 Phenanthrene
 Concen: 0.015 ng
 RT: 17.73 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

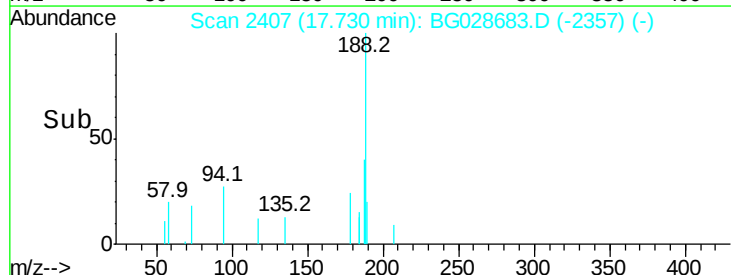
Tgt Ion:178 Resp: 179
 Ion Ratio Lower Upper
 178 100
 176 0.0 17.7 26.5#
 179 0.0 15.0 22.6#

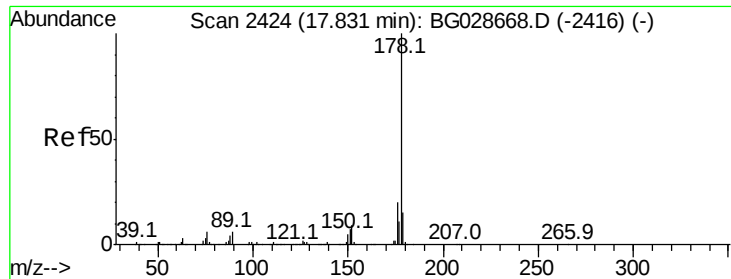


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time--> 17.72 17.74

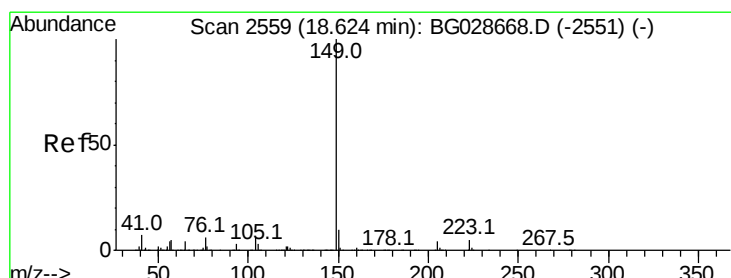
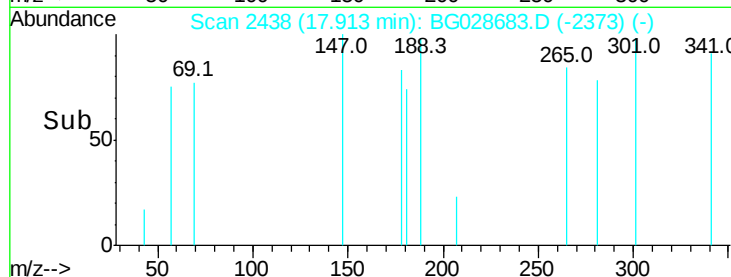
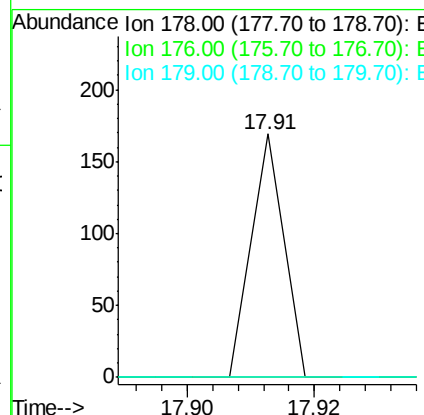
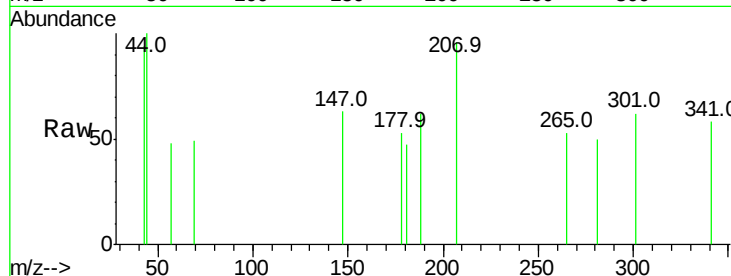




#71
 Anthracene
 Concen: 0.005 ng
 RT: 17.91 min Scan# 2438
 Delta R.T. 0.08 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

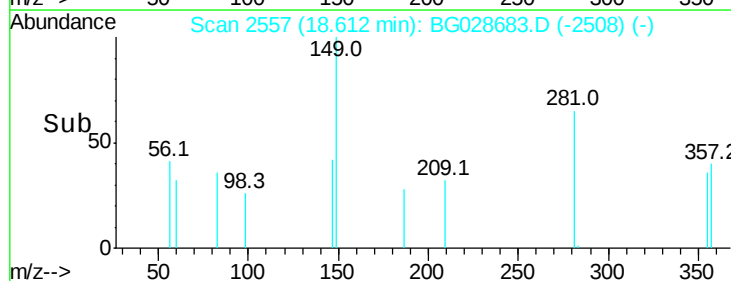
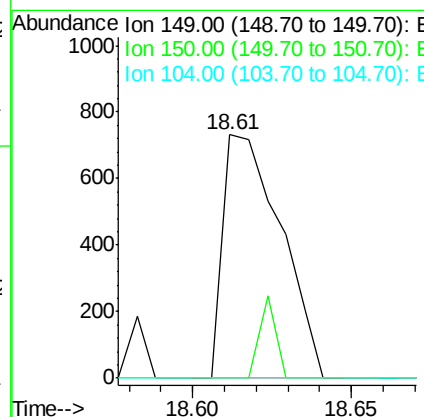
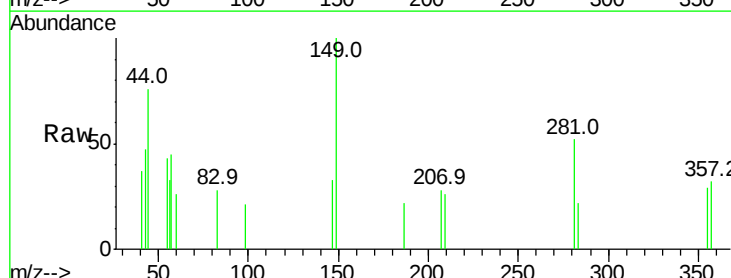
Instrument :
 BNA_G
 ClientSampleId :

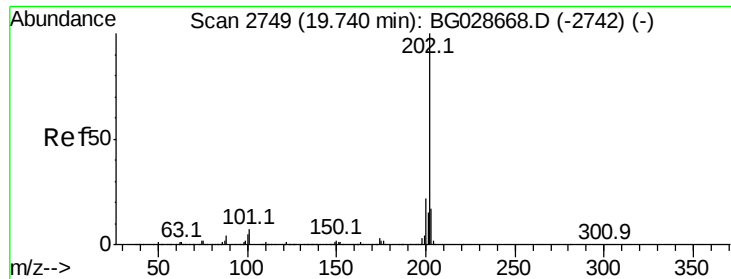
Tot Ion:178 Resp: 60
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.4 24.6#
 179 0.0 13.8 20.8#



#73
 Di-n-butylphthalate
 Concen: 0.069 ng
 RT: 18.61 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Tgt Ion:149 Resp: 922
 Ion Ratio Lower Upper
 149 100
 150 0.0 9.1 13.7#
 104 0.0 6.7 10.1#





#74

Fluoranthene

Concen: 0.049 ng

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

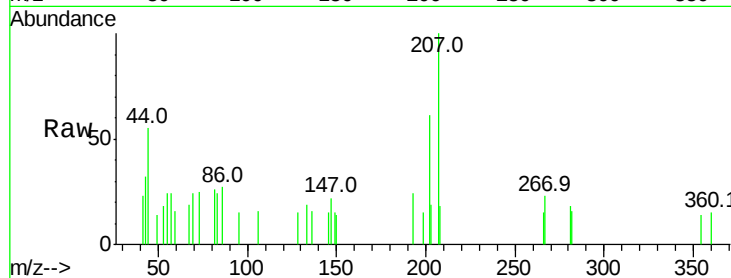
Tot Ion:202 Resp: 724

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.1

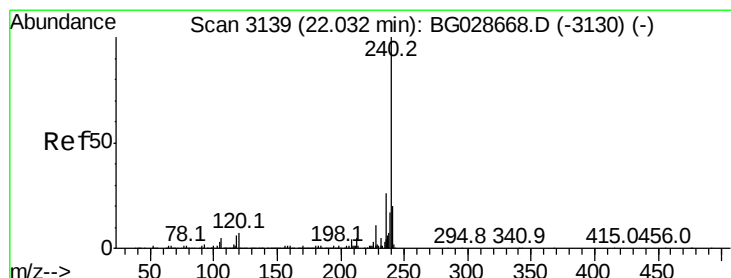
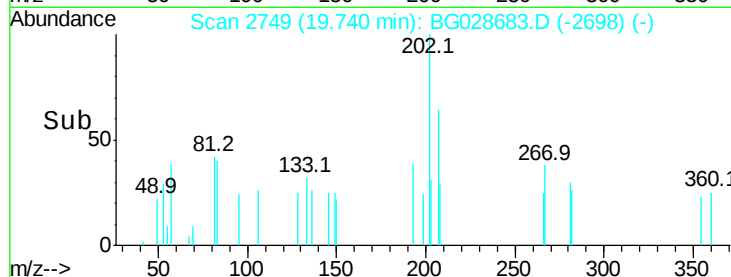
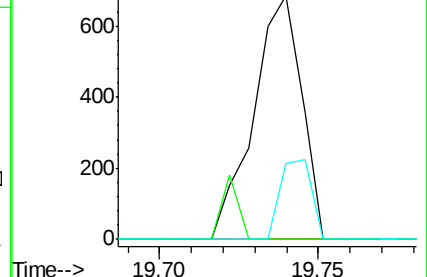
203 30.9 1.3 41.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

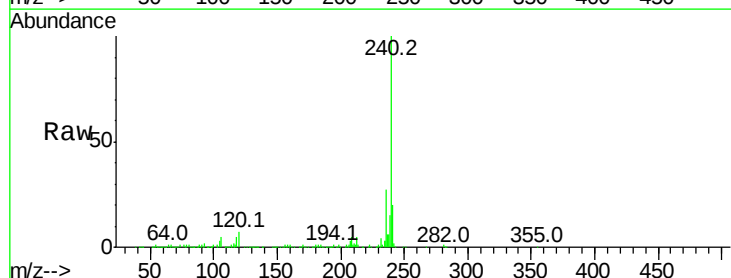
Tgt Ion:240 Resp: 275141

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

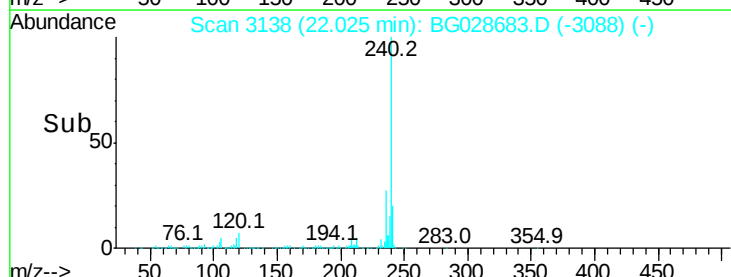
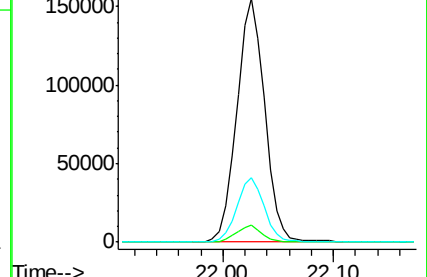
236 26.6 22.2 33.4

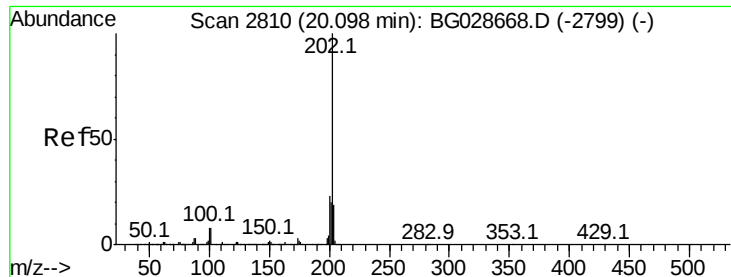


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.031 ng

RT: 20.10 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

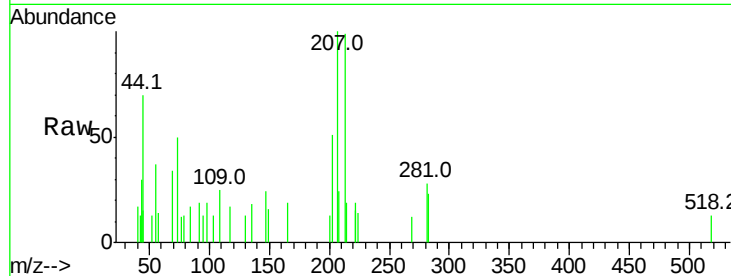
Tot Ion:202 Resp: 488

Ion Ratio Lower Upper

202 100

200 25.5 19.6 29.4

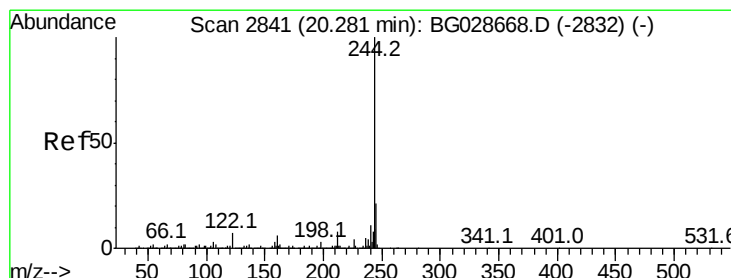
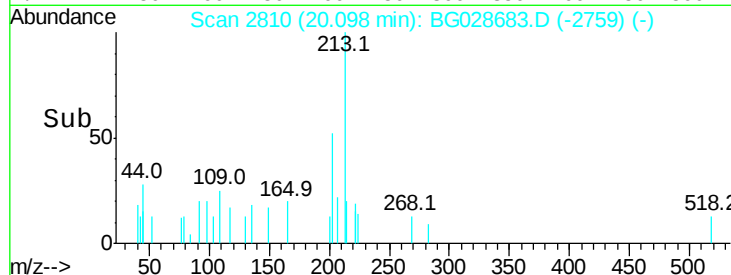
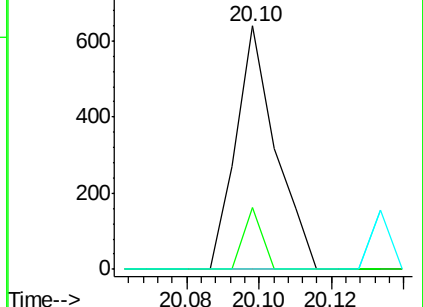
203 0.0 15.8 23.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 97.100 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

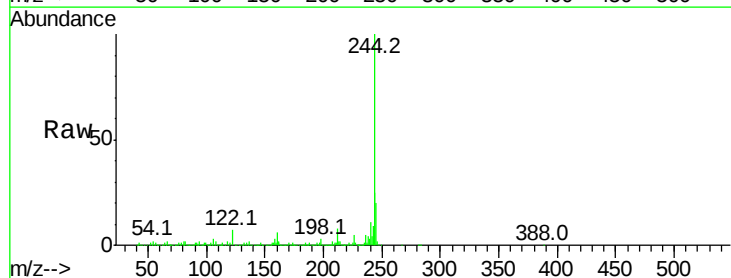
Tgt Ion:244 Resp: 1252773

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

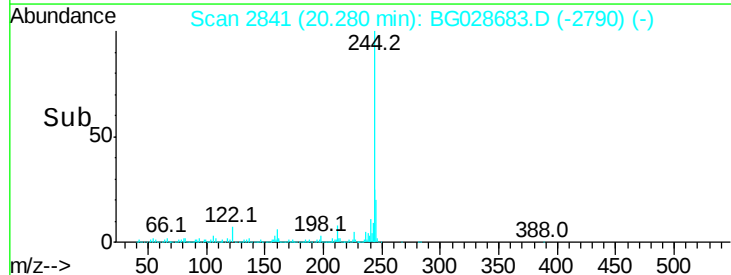
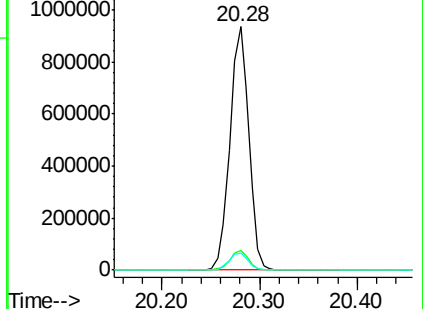
122 7.2 8.6 12.8#

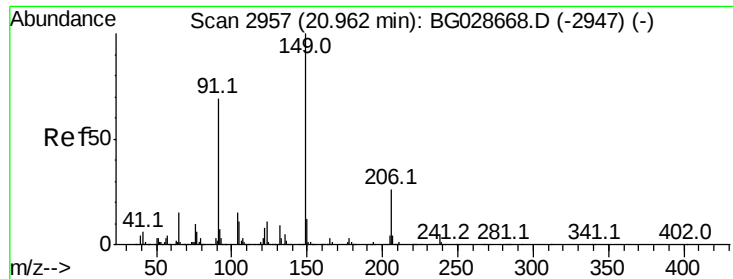


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.074 ng

RT: 20.97 min Scan# 2959

Delta R.T. 0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampled :

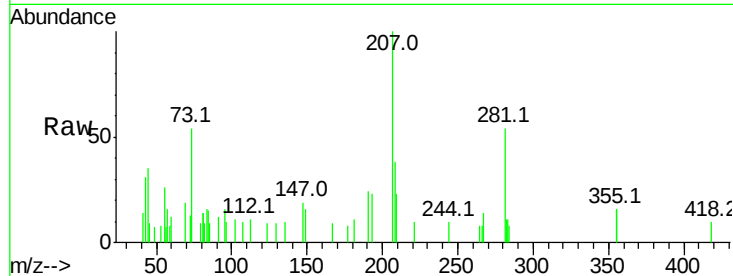
Tot Ion:149 Resp: 477

Ion Ratio Lower Upper

149 100

91 72.9 63.5 95.3

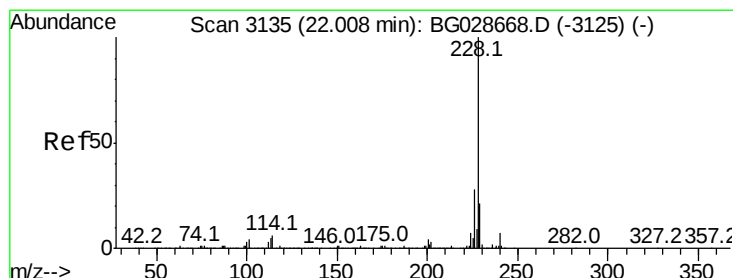
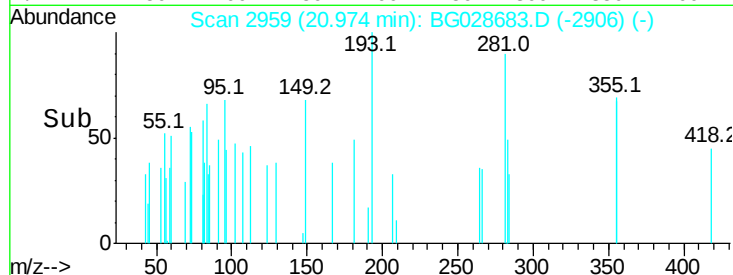
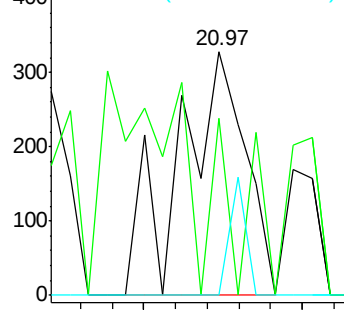
206 0.0 21.0 31.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BGC

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.058 ng

RT: 22.02 min Scan# 3137

Delta R.T. 0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

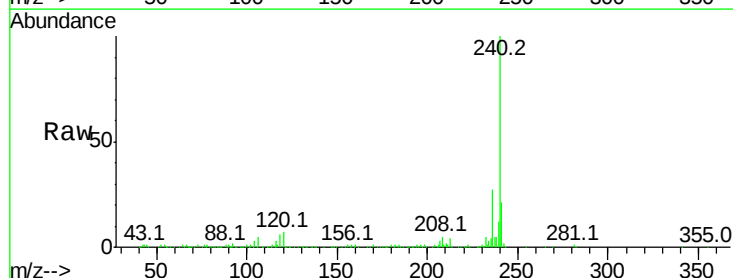
Tgt Ion:228 Resp: 959

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

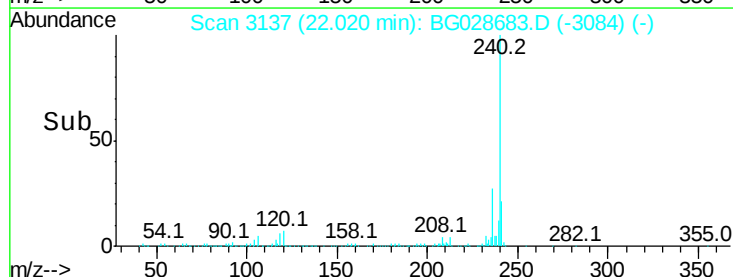
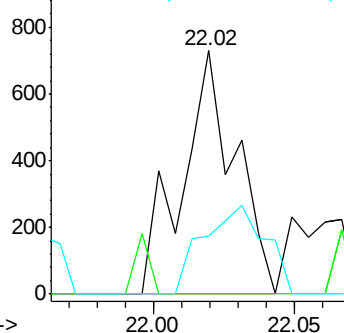
229 23.8 18.2 27.2

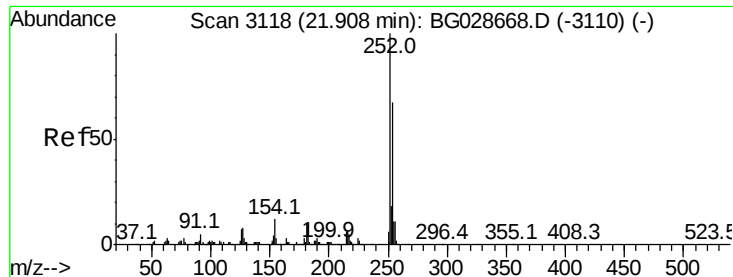


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

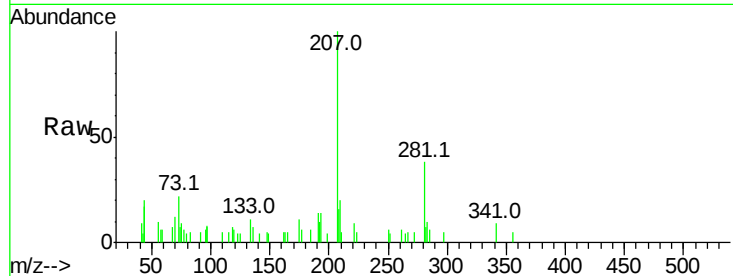




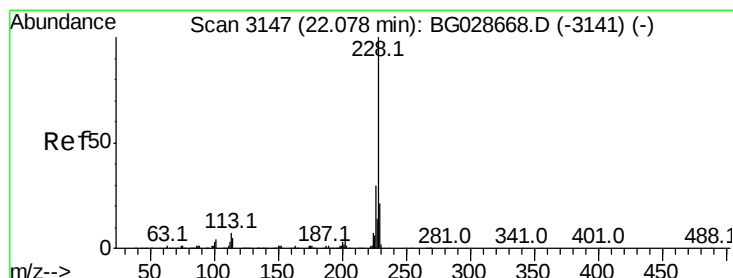
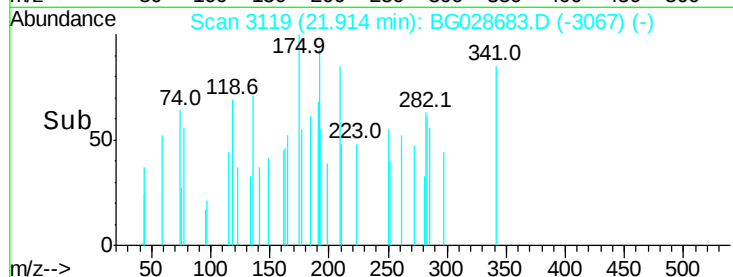
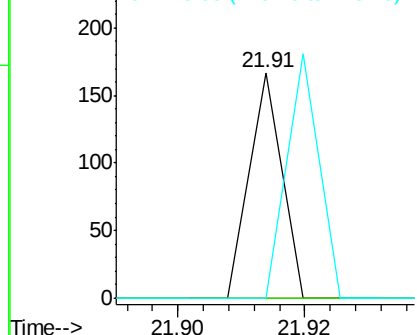
#81
 3,3'-Dichlorobenzidine
 Concen: 0.009 ng
 RT: 21.91 min Scan# 3119
 Delta R.T. 0.01 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	53.1	79.7#
126	0.0	7.0	10.4#

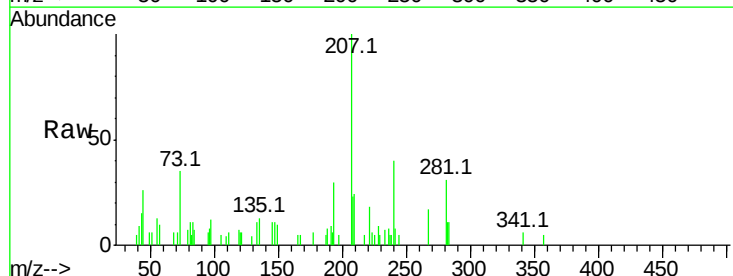


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

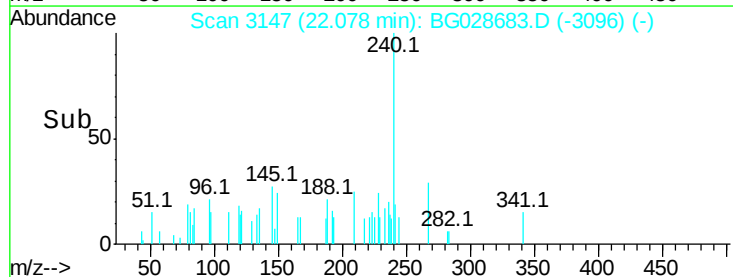
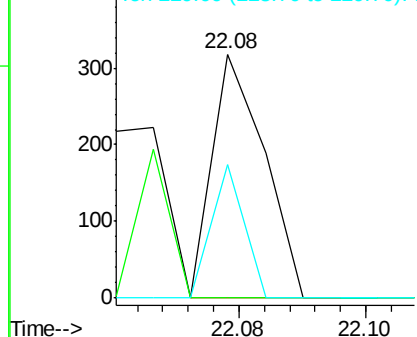


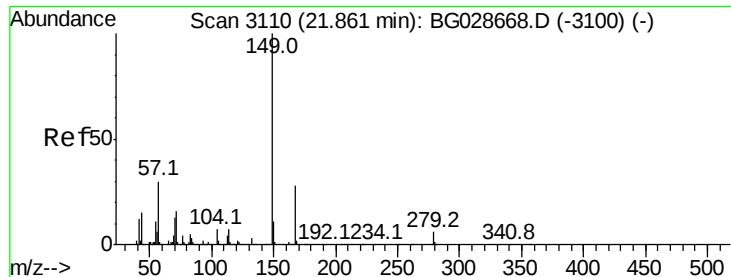
#82
 Chrysene
 Concen: 0.011 ng
 RT: 22.08 min Scan# 3147
 Delta R.T. -0.00 min
 Lab File: BG028683.D
 Acq: 12 Sep 2017 23:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	27.0	40.4#
229	54.7	17.8	26.6#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.104 ng

RT: 21.86 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampled :

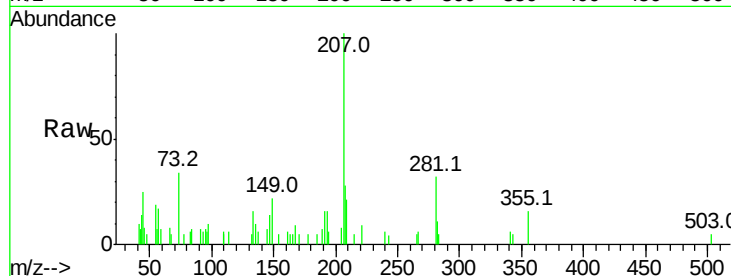
Tot Ion:149 Resp: 948

Ion Ratio Lower Upper

149 100

167 42.4 23.7 35.5#

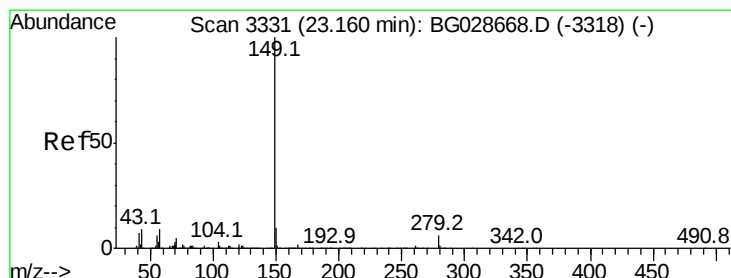
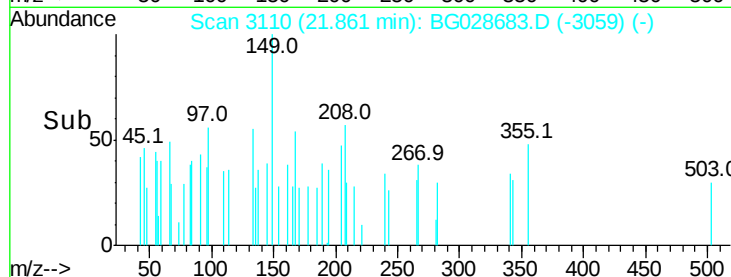
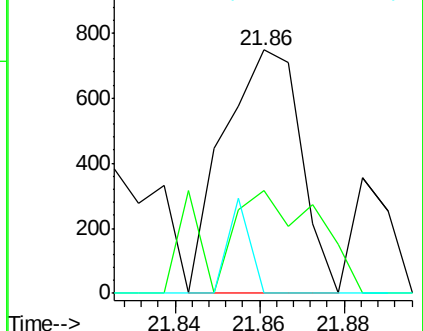
279 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.039 ng

RT: 23.15 min Scan# 3330

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

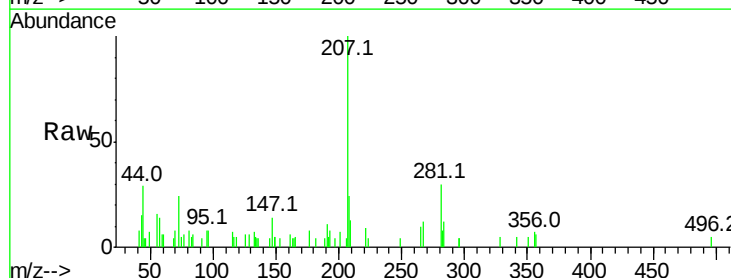
Tgt Ion:149 Resp: 616

Ion Ratio Lower Upper

149 100

167 14.1 1.4 2.2#

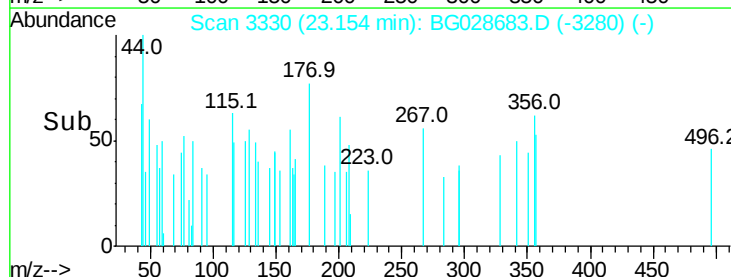
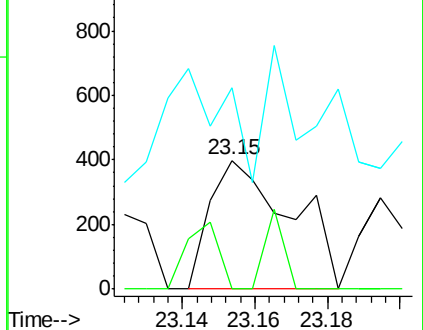
43 65.1 11.8 17.6#

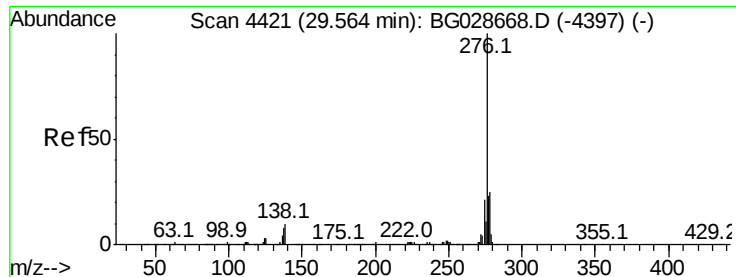


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

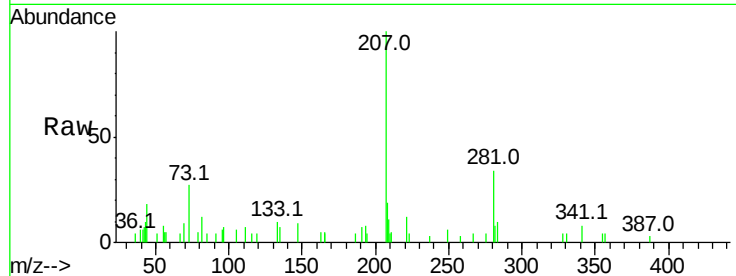




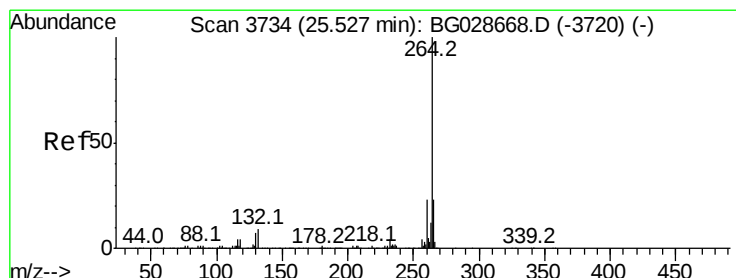
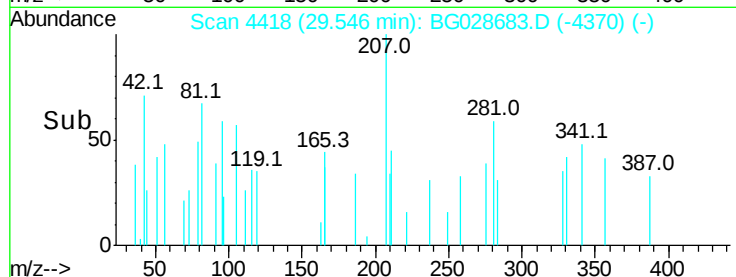
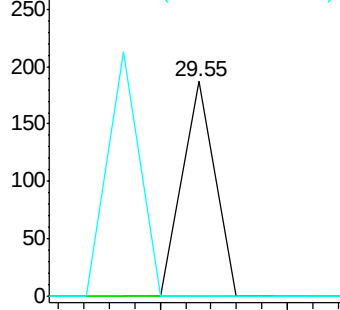
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.003 ng
RT: 29.55 min Scan# 4418
Delta R.T. -0.02 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion:276 Resp: 66
Ion Ratio Lower Upper
276 100
138 0.0 4.7 7.1#
277 113.6 20.6 31.0#

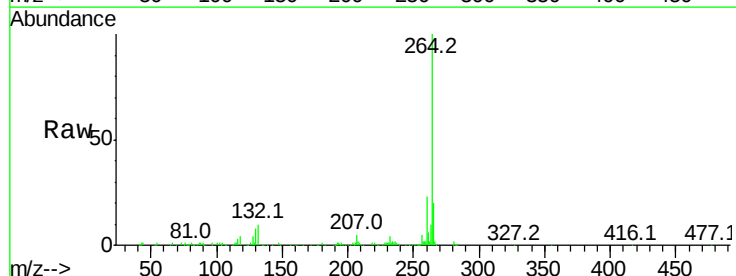


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

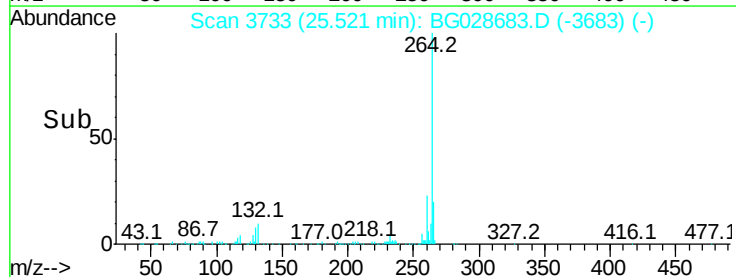
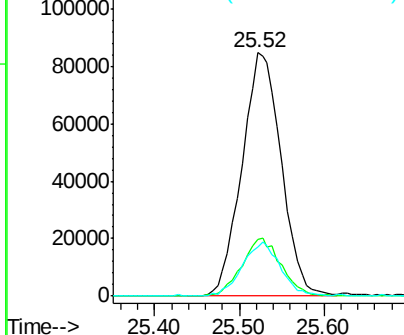


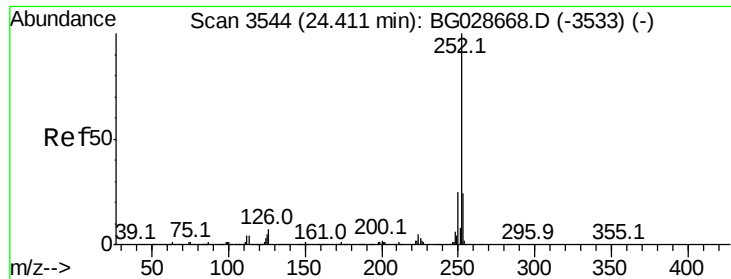
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.52 min Scan# 3733
Delta R.T. -0.01 min
Lab File: BG028683.D
Acq: 12 Sep 2017 23:48

Tgt Ion:264 Resp: 273748
Ion Ratio Lower Upper
264 100
260 23.4 21.8 32.8
265 20.2 18.2 27.4



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





#87

Benzo(b)fluoranthene

Concen: 0.026 ng

RT: 24.40 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampled :

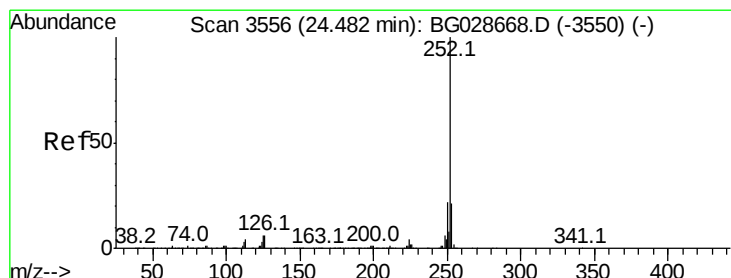
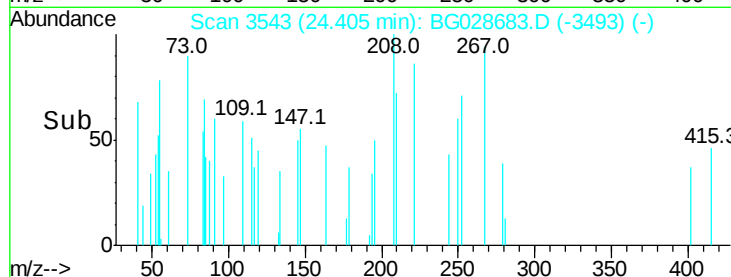
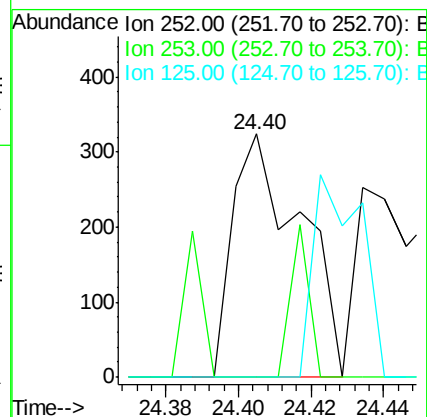
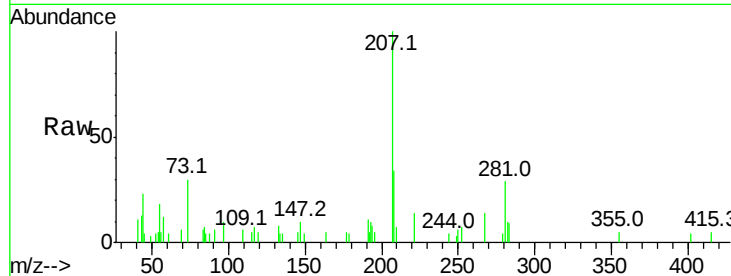
Tot Ion:252 Resp: 419

Ion Ratio Lower Upper

252 100

253 0.0 18.7 28.1#

125 0.0 5.3 7.9#



#88

Benzo(k)fluoranthene

Concen: 0.004 ng

RT: 24.50 min Scan# 3560

Delta R.T. 0.02 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

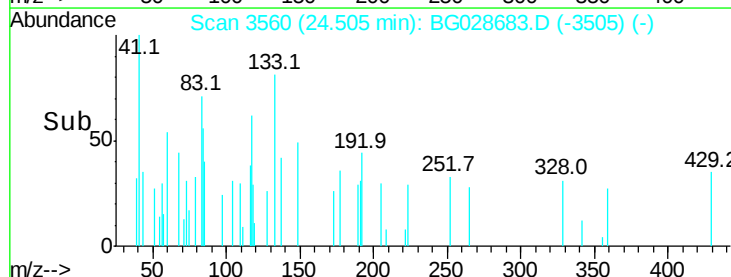
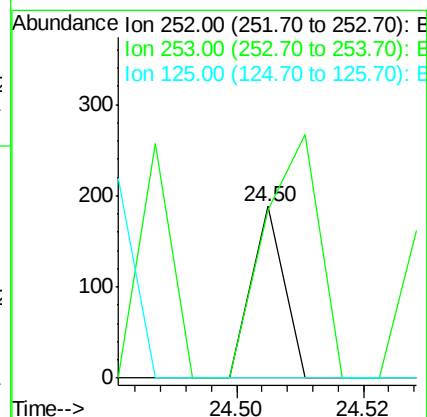
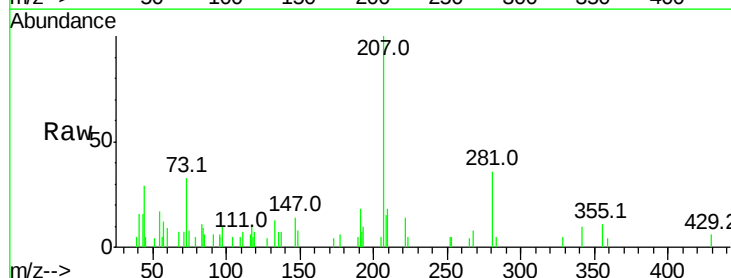
Tgt Ion:252 Resp: 66

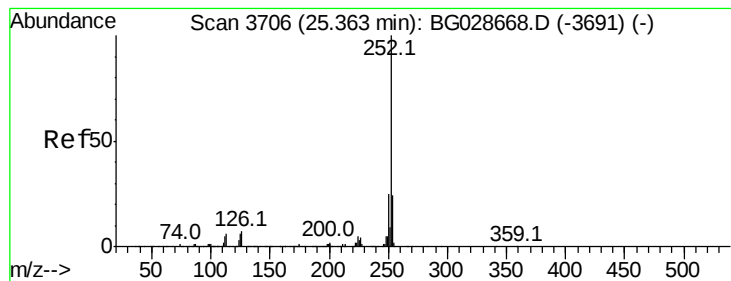
Ion Ratio Lower Upper

252 100

253 97.9 20.2 30.2#

125 0.0 5.1 7.7#





#89

Benzo(a)pyrene

Concen: 0.023 ng

RT: 25.35 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG028683.D

Acq: 12 Sep 2017 23:48

Instrument :

BNA_G

ClientSampleId :

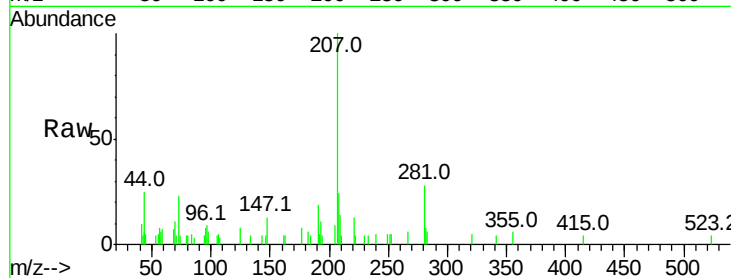
Tot Ion:252 Resp: 359

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

125 87.0 5.4 8.0#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

