

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091217\
 Data File : BG028682.D
 Acq On : 12 Sep 2017 23:08
 Operator : SJ/JU
 Sample : I5189-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 04:07:27 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	25252	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	104995	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	78033	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	229414	20.00	ng	0.00
75) Chrysene-d12	22.02	240	273599	20.00	ng	0.00
86) Perylene-d12	25.53	264	283663	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.90	112	103970	67.94	ng	0.00
7) Phenol-d6	7.49	99	81842	35.52	ng	0.00
23) Nitrobenzene-d5	9.50	82	225337	102.67	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	239595	185.64	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	577151	98.62	ng	0.00
78) Terphenyl-d14	20.28	244	1279423	99.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.84	88	60	0.097	ng	# 1
3) Pyridine	4.25	79	60	0.034	ng	# 1
4) n-Nitrosodimethylamine	4.14	42	88	0.109	ng	# 7
6) Aniline	7.68	93	60	0.022	ng	# 38
9) Benzaldehyde	7.47	77	63	0.044	ng	# 10
10) Phenol	7.50	94	103	0.042	ng	# 1
11) bis(2-Chloroethyl)ether	7.68	93	60	0.034	ng	# 11
12) 1,3-Dichlorobenzene	8.10	146	57	0.031	ng	# 25
13) 1,4-Dichlorobenzene	8.10	146	57	0.030	ng	# 23
15) Benzyl Alcohol	8.65	79	3599	2.001	ng	# 71
16) 2,2'-oxybis(1-Chloropropan	8.85	45	53	0.017	ng	# 74
24) Nitrobenzene	9.50	77	992	0.408	ng	# 49
25) Isophorone	10.02	82	55	0.012	ng	# 67
26) 2-Nitrophenol	10.16	139	72	0.070	ng	# 20
28) bis(2-Chloroethoxy)methane	10.59	93	81	0.034	ng	# 50
30) 1,2,4-Trichlorobenzene	11.25	180	60	0.028	ng	# 12
31) Naphthalene	11.23	128	58	0.011	ng	# 67
33) 4-Chloroaniline	11.54	127	96	0.042	ng	# 40
36) 4-Chloro-3-methylphenol	12.47	107	65	0.027	ng	# 25
39) 1,2,4,5-Tetrachlorobenzene	13.01	216	58	0.018	ng	# 25
45) 1,1'-Biphenyl	13.78	154	530	0.082	ng	# 88
48) Acenaphthylene	14.86	152	73	0.010	ng	# 1
51) Acenaphthene	15.01	154	55	0.012	ng	# 6
56) 2,4-Dinitrotoluene	15.08	165	60	0.029	ng	# 16
59) Diethylphthalate	15.73	149	270	0.040	ng	# 56
62) Azobenzene	16.16	77	57	0.010	ng	# 47
65) n-Nitrosodiphenylamine	16.43	169	7700	1.171	ng	# 44
67) Hexachlorobenzene	16.89	284	58	0.017	ng	# 38
68) Atrazine	17.09	200	63	0.022	ng	# 36
69) Pentachlorophenol	17.38	266	94	0.062	ng	# 20
70) Phenanthrene	17.73	178	201	0.017	ng	# 56
71) Anthracene	17.73	178	201	0.017	ng	# 58
72) Carbazole	18.15	167	53	0.005	ng	# 55
73) Di-n-butylphthalate	18.63	149	1067	0.082	ng	# 73

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 Sample : I5189-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

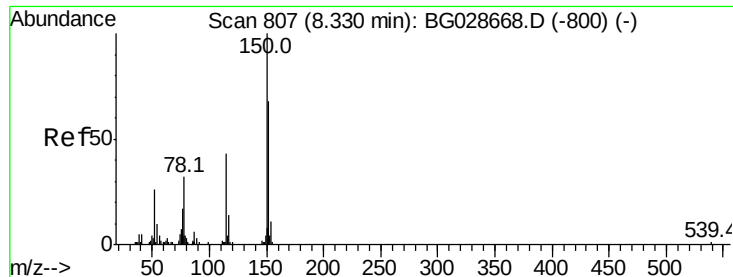
Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 04:07:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) Fluoranthene	19.74	202	73	0.005	ng	# 61
76) Benzidine	19.93	184	59	0.008	ng	# 64
77) Pyrene	20.28	202	4317	0.274	ng	# 39
79) Butylbenzylphthalate	20.95	149	497	0.078	ng	# 67
80) Benzo(a)anthracene	22.02	228	314	0.019	ng	# 28
81) 3,3'-Dichlorobenzidine	21.92	252	75	0.011	ng	# 38
82) Chrysene	22.03	228	428	0.027	ng	# 46
83) Bis(2-ethylhexyl)phthalate	21.86	149	1435	0.158	ng	# 92
84) Di-n-octyl phthalate	23.16	149	265	0.017	ng	# 1
85) Indeno(1,2,3-cd)pyrene	29.55	276	71	0.004	ng	# 20
87) Benzo(b)fluoranthene	24.41	252	245	0.014	ng	# 58
88) Benzo(k)fluoranthene	24.49	252	58	0.003	ng	# 56
89) Benzo(a)pyrene	25.33	252	122	0.008	ng	# 58
90) Dibenzo(a,h)anthracene	29.71	278	67	0.004	ng	# 58
91) Benzo(a,h,i)perylene	30.82	276	68	0.004	ng	# 59

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 806

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

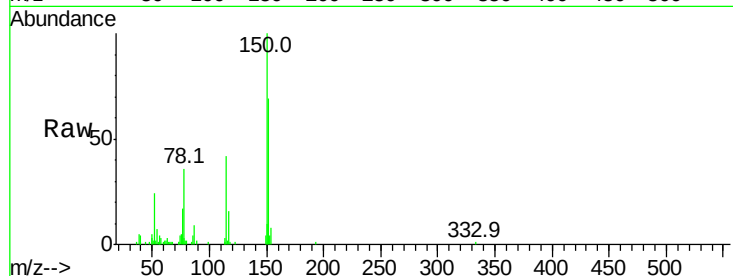
Tot Ion:152 Resp: 25252

Ion Ratio Lower Upper

152 100

150 144.6 114.0 171.0

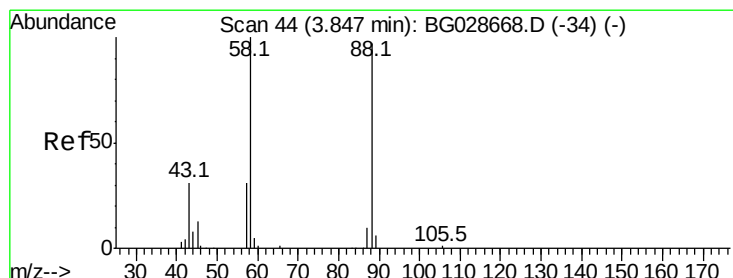
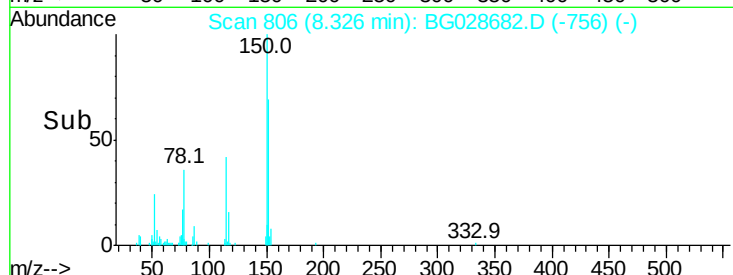
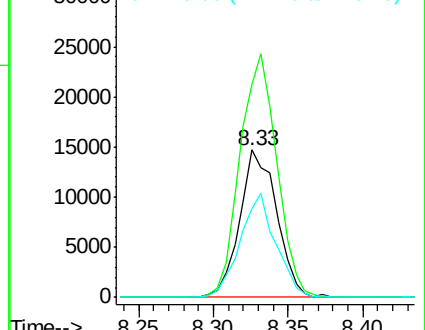
115 60.1 48.1 72.1



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: 0.097 ng

RT: 3.84 min Scan# 43

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

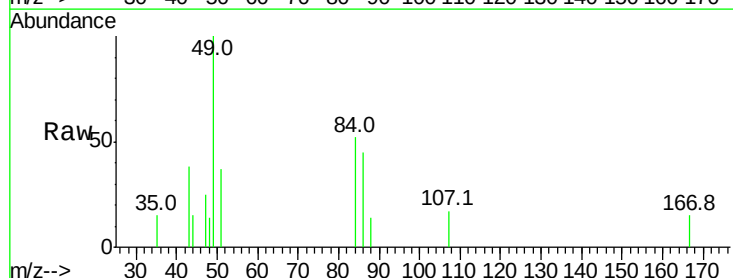
Tgt Ion: 88 Resp: 60

Ion Ratio Lower Upper

88 100

58 0.0 79.4 119.2#

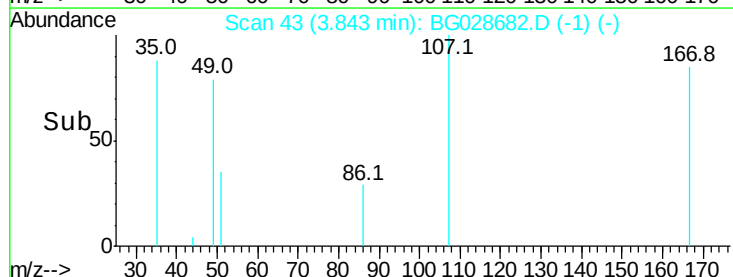
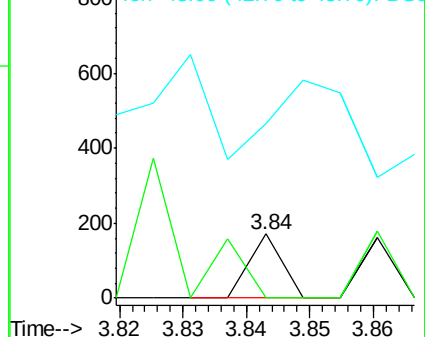
43 193.3 33.8 50.6#

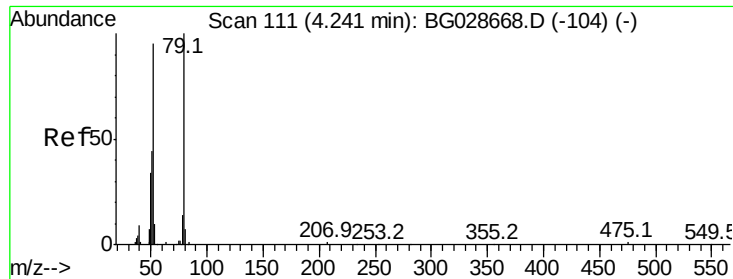


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.034 ng

RT: 4.25 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

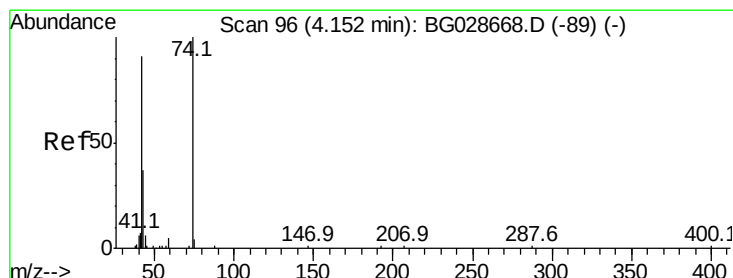
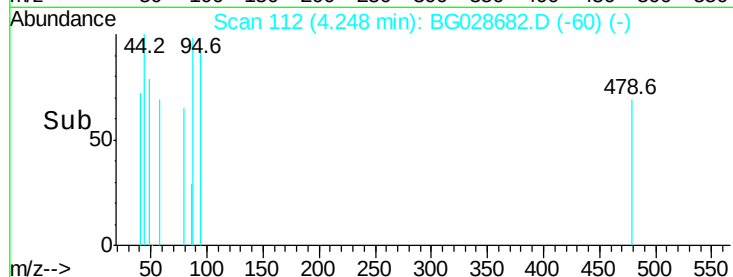
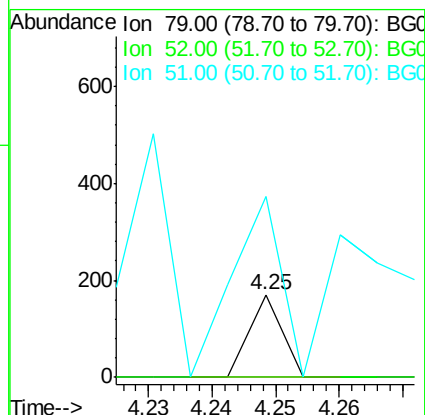
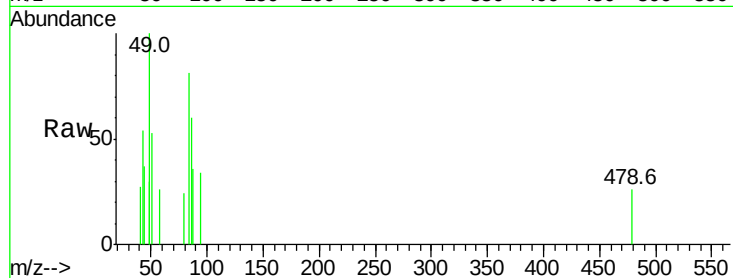
Tot Ion: 79 Resp: 60

Ion Ratio Lower Upper

79 100

52 0.0 77.8 116.6#

51 220.0 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 0.109 ng

RT: 4.14 min Scan# 94

Delta R.T. -0.01 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

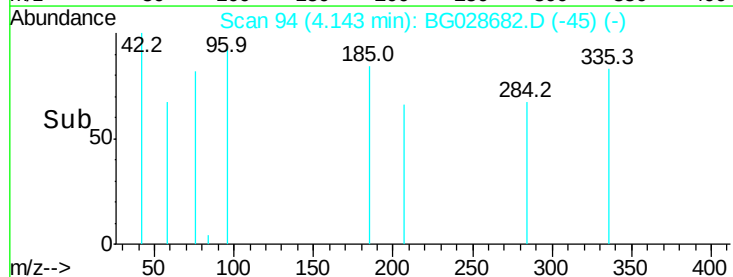
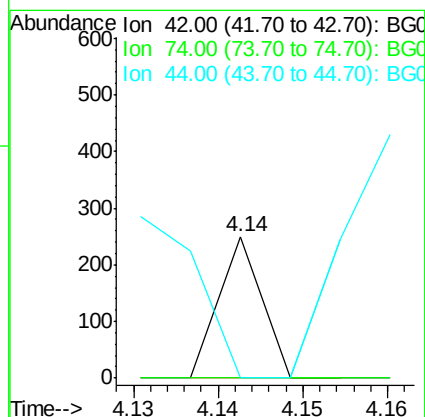
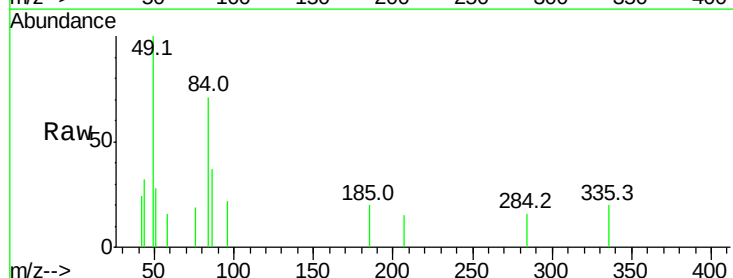
Tgt Ion: 42 Resp: 88

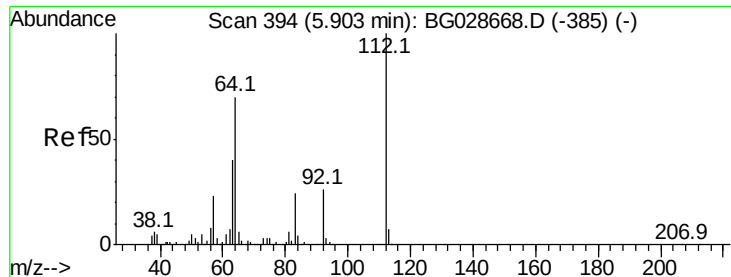
Ion Ratio Lower Upper

42 100

74 0.0 76.7 115.1#

44 0.0 6.1 9.1#





#5

2-Fluorophenol

Concen: 67.937 ng

RT: 5.90 min Scan# 393

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

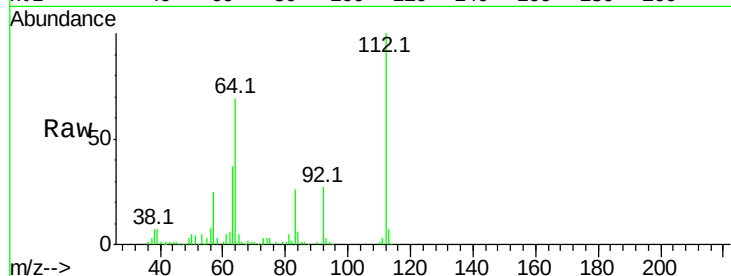
Tot Ion:112 Resp: 103970

Ion Ratio Lower Upper

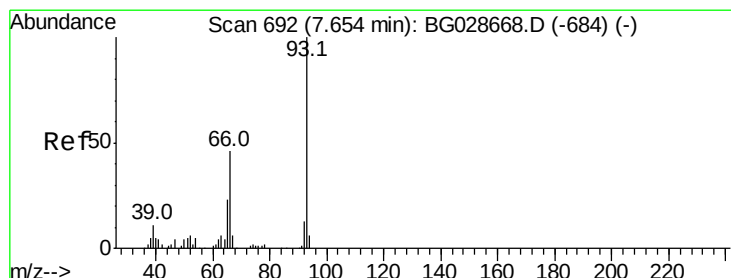
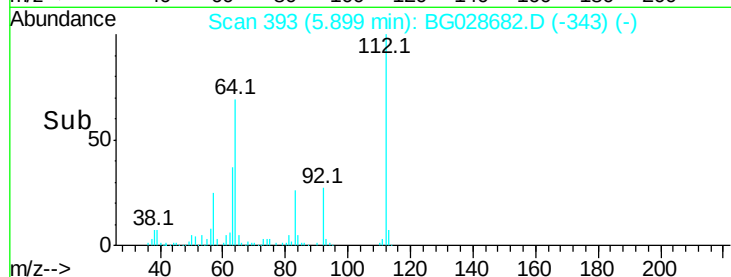
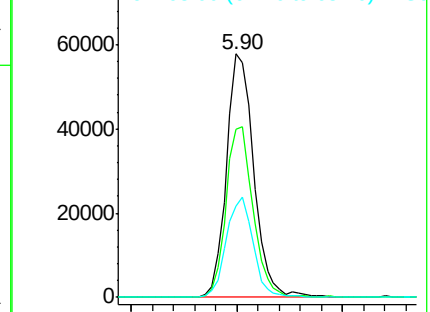
112 100

64 69.1 61.8 92.6

63 37.4 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: 0.022 ng

RT: 7.68 min Scan# 696

Delta R.T. 0.03 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

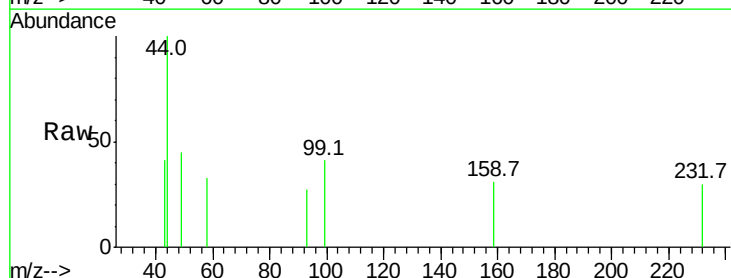
Tgt Ion: 93 Resp: 60

Ion Ratio Lower Upper

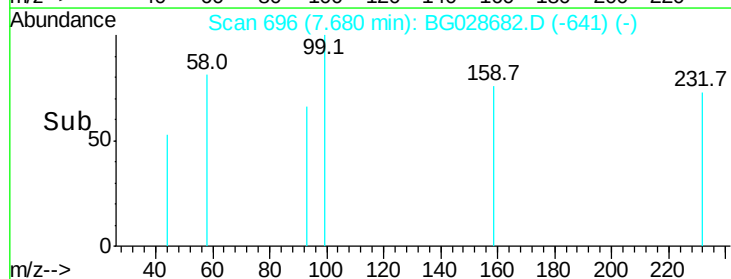
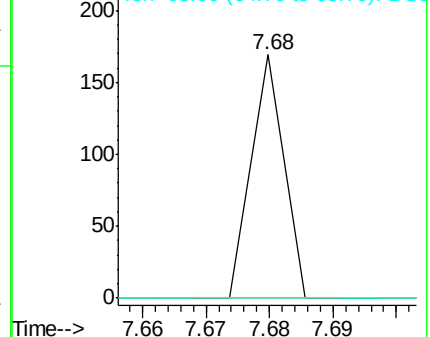
93 100

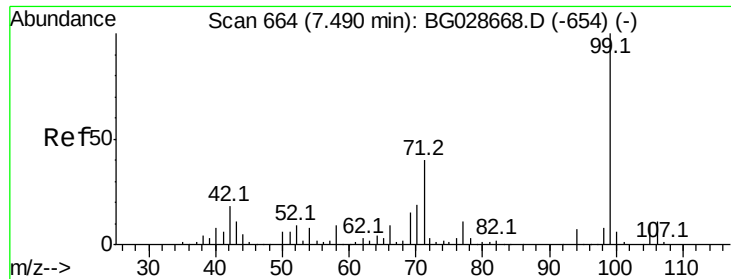
66 0.0 35.4 53.2#

65 0.0 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: 35.519 ng

RT: 7.49 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

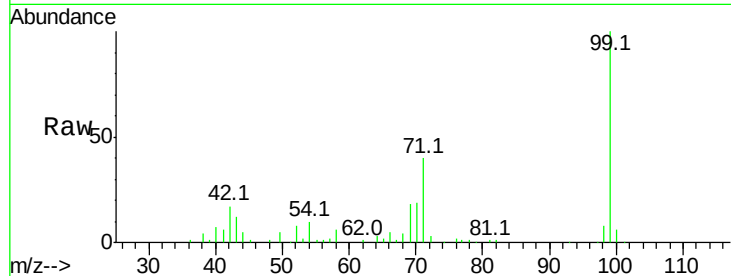
Tot Ion: 99 Resp: 81842

Ion Ratio Lower Upper

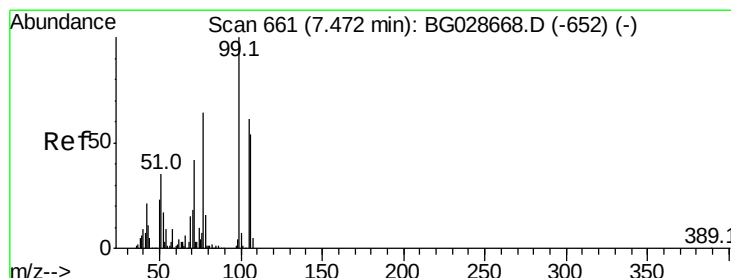
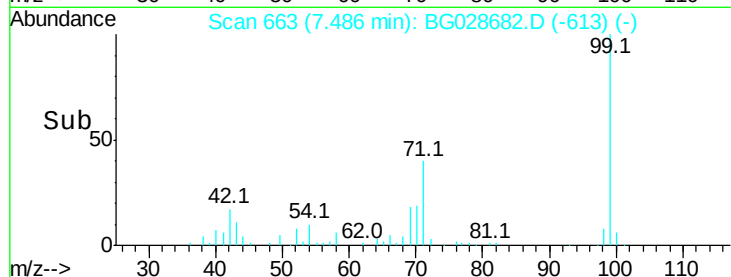
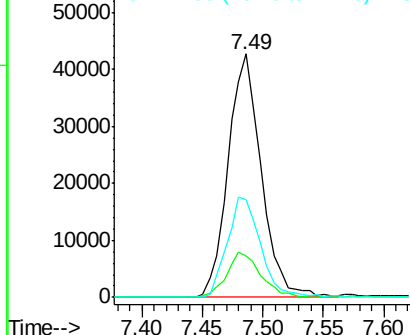
99 100

42 17.0 20.5 30.7#

71 40.0 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: 0.044 ng

RT: 7.47 min Scan# 660

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

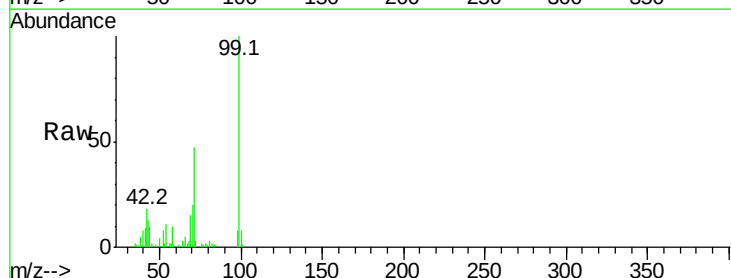
Tgt Ion: 77 Resp: 63

Ion Ratio Lower Upper

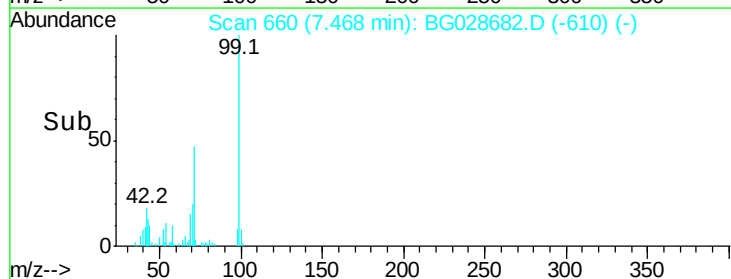
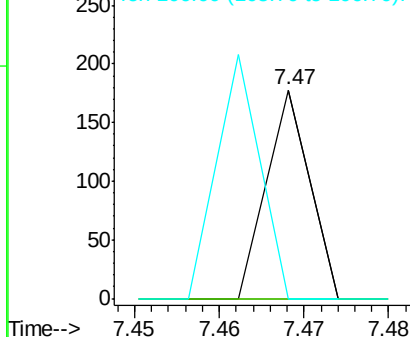
77 100

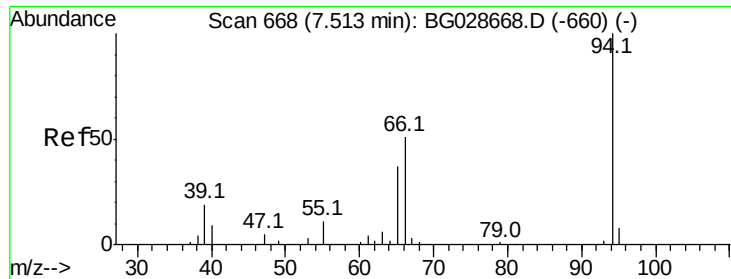
105 0.0 60.9 100.9#

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: 0.042 ng

RT: 7.50 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

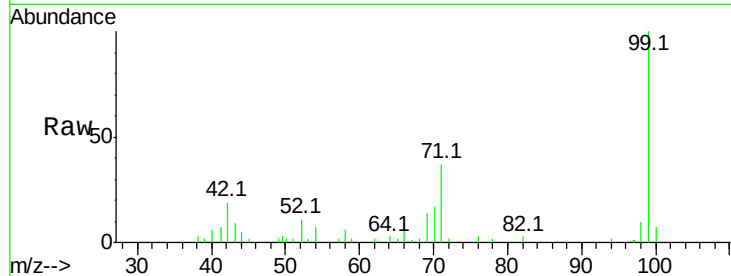
Tot Ion: 94 Resp: 103

Ion Ratio Lower Upper

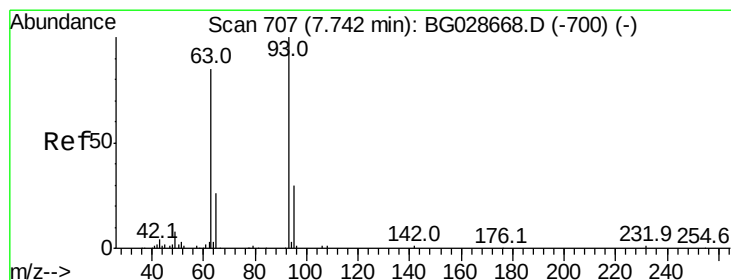
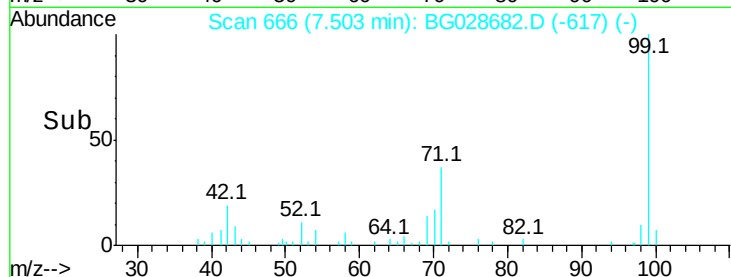
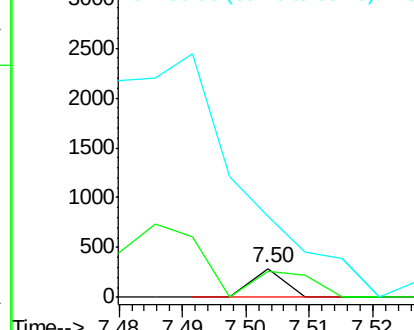
94 100

65 88.3 20.6 60.6#

66 279.0 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: 0.034 ng

RT: 7.68 min Scan# 696

Delta R.T. -0.06 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

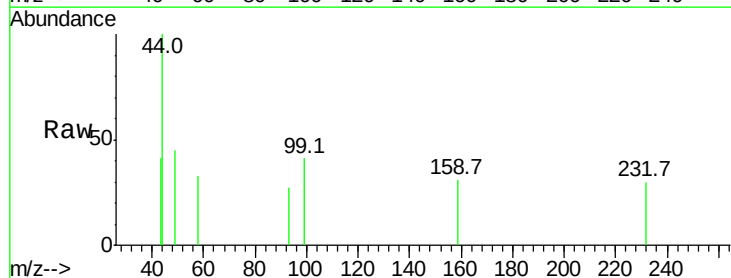
Tgt Ion: 93 Resp: 60

Ion Ratio Lower Upper

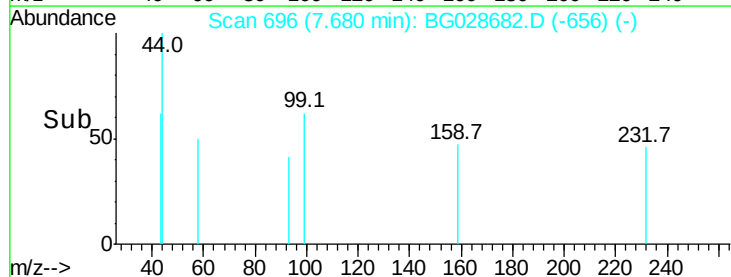
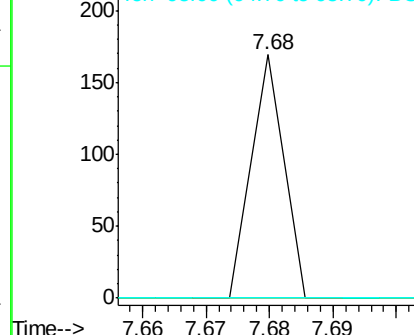
93 100

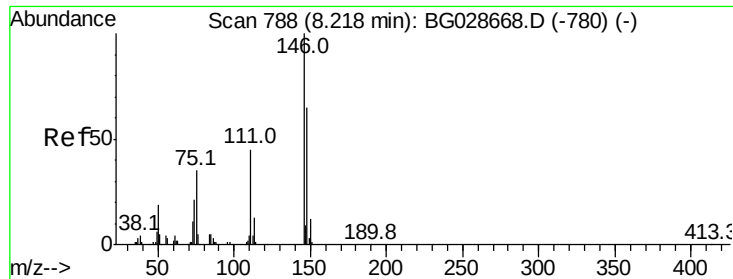
63 0.0 78.5 118.5#

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





#12

1,3-Dichlorobenzene

Concen: 0.031 ng

RT: 8.10 min Scan# 767

Delta R.T. -0.12 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

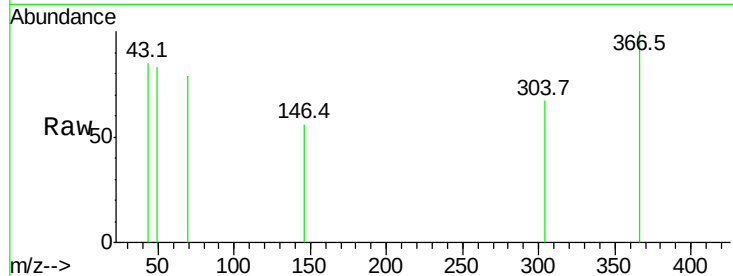
Tot Ion:146 Resp: 57

Ion Ratio Lower Upper

146 100

148 0.0 49.2 73.8#

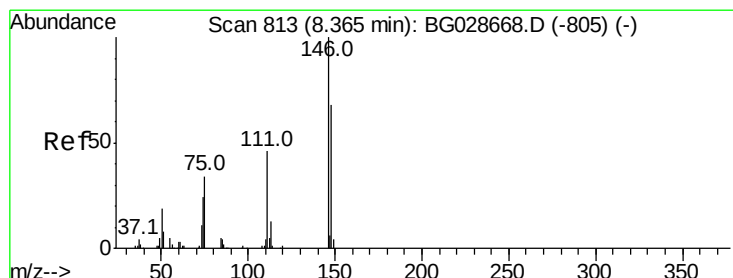
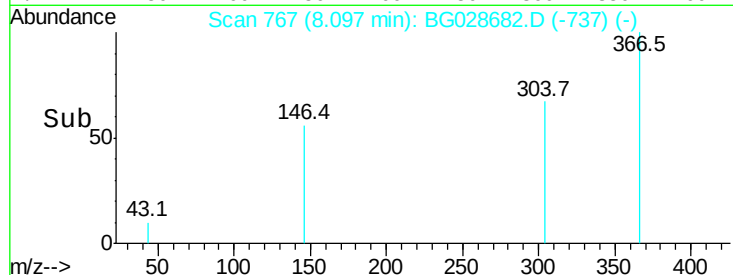
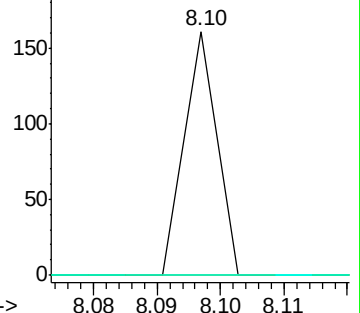
75 0.0 33.4 50.2#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 0.030 ng

RT: 8.10 min Scan# 767

Delta R.T. -0.27 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

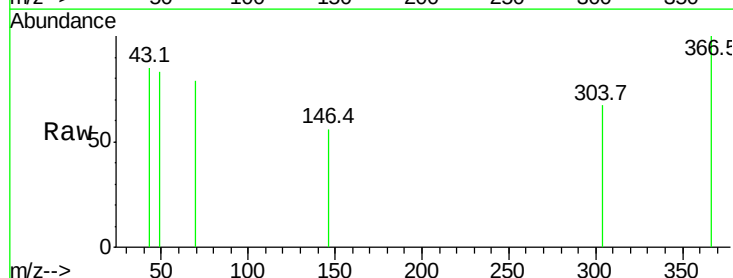
Tgt Ion:146 Resp: 57

Ion Ratio Lower Upper

146 100

148 0.0 52.2 78.2#

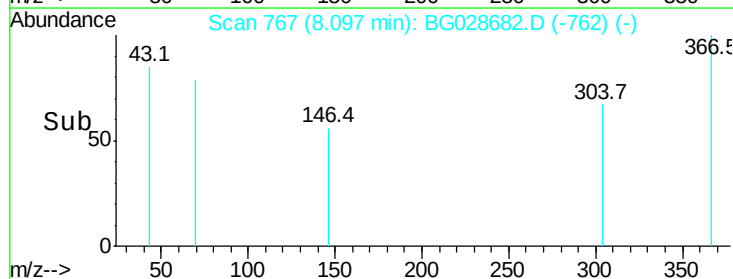
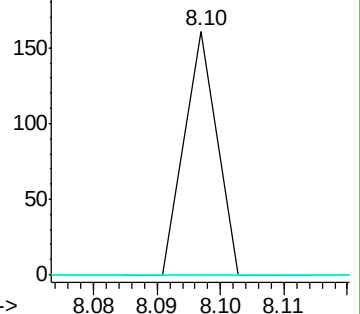
111 0.0 37.0 55.6#

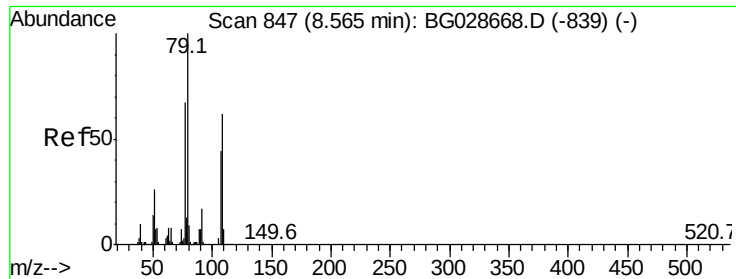


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 2.001 ng

RT: 8.65 min Scan# 862

Delta R.T. 0.09 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

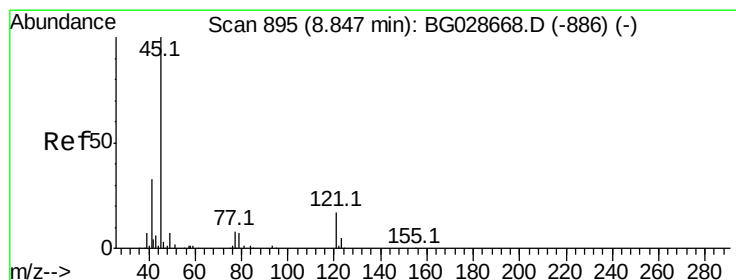
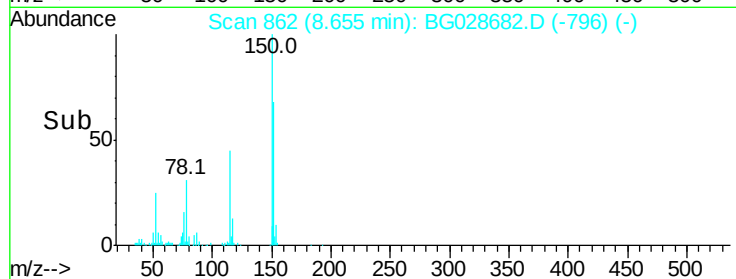
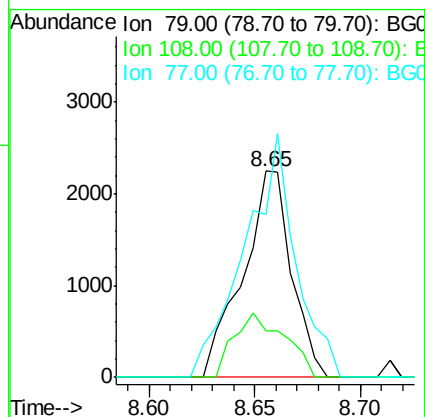
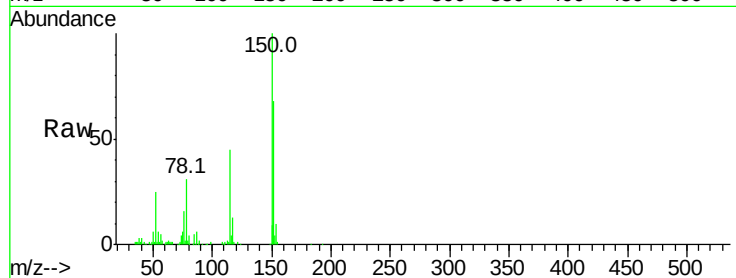
Tot Ion: 79 Resp: 3599

Ion Ratio Lower Upper

79 100

108 22.7 45.5 68.3#

77 78.8 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.017 ng

RT: 8.85 min Scan# 895

Delta R.T. 0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

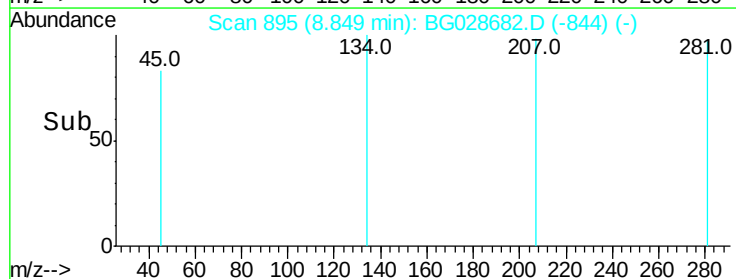
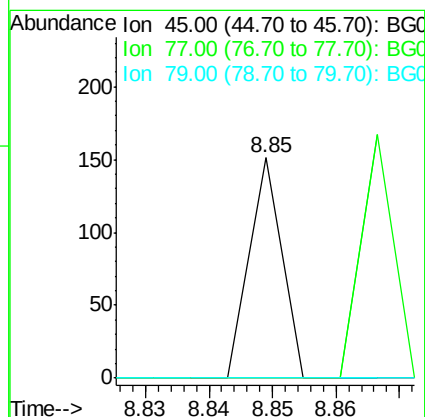
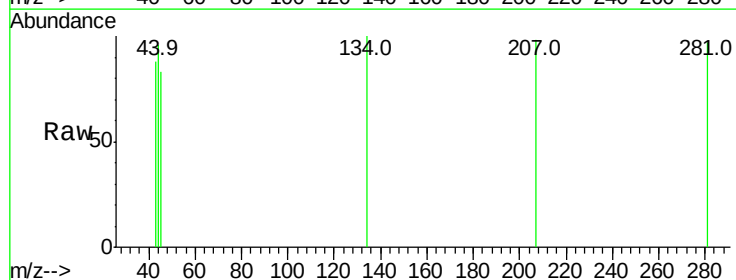
Tgt Ion: 45 Resp: 53

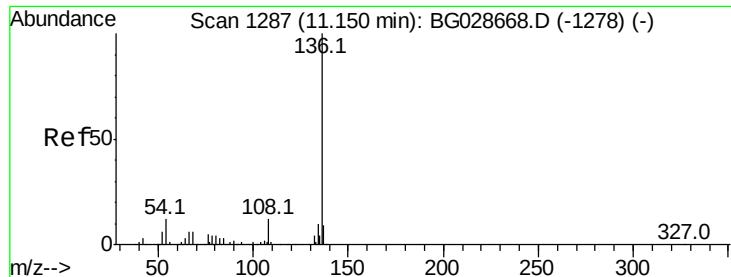
Ion Ratio Lower Upper

45 100

77 0.0 0.0 30.6

79 0.0 0.0 28.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.15 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

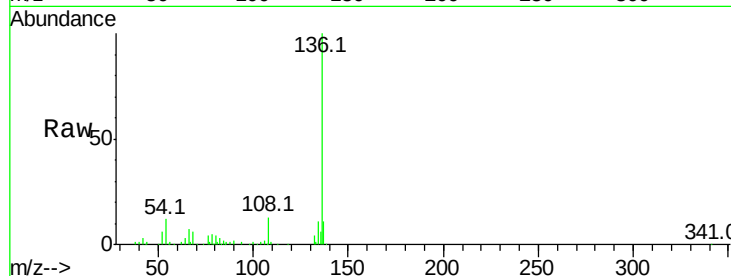
Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 104995

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	12.1	9.3	13.9
68	5.8	5.1	7.7

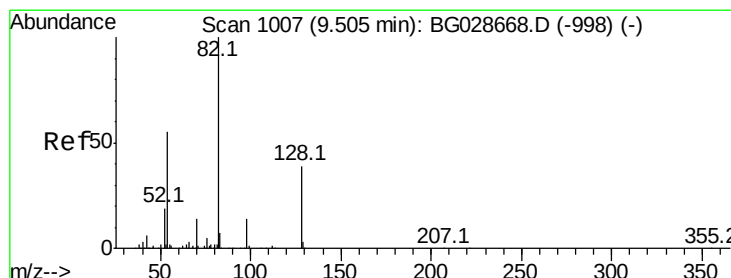
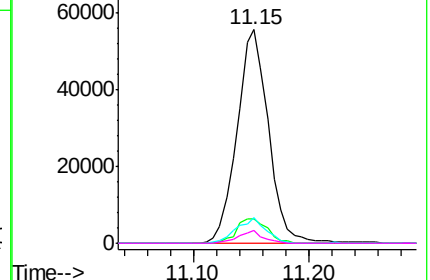
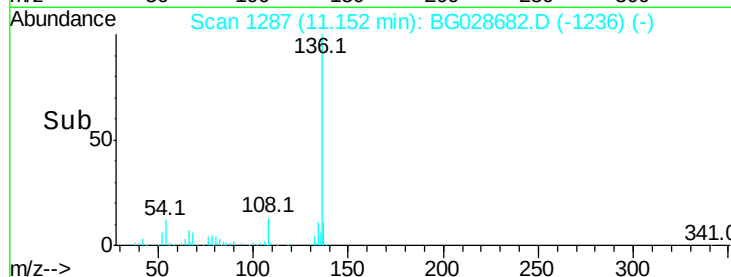


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 102.667 ng

RT: 9.50 min Scan# 1006

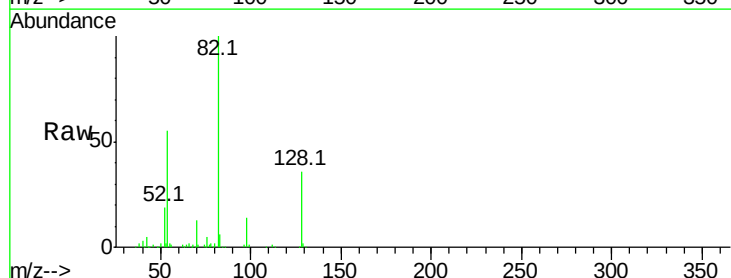
Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Tgt Ion: 82 Resp: 225337

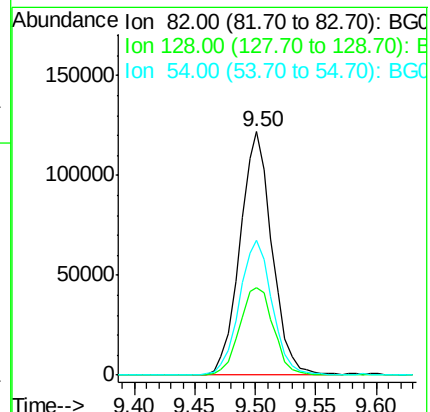
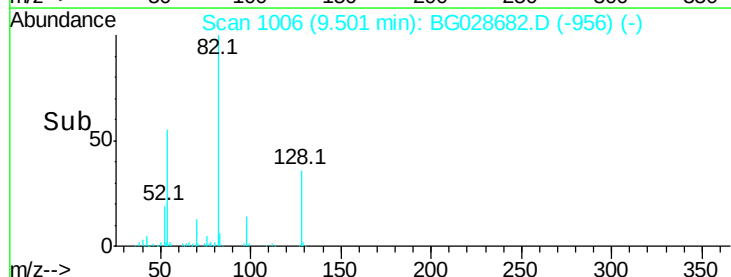
Ion	Ratio	Lower	Upper
82	100		
128	35.8	26.4	39.6
54	55.5	49.4	74.2

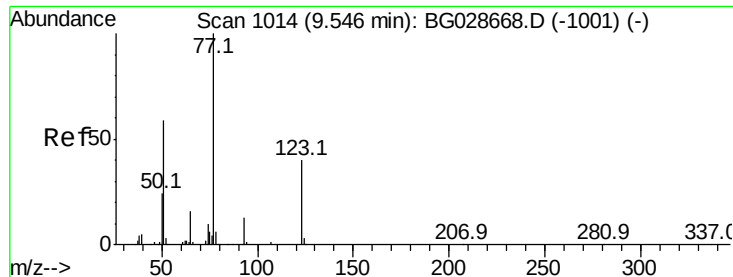


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

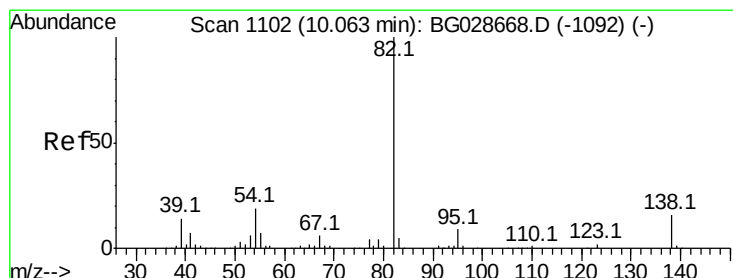
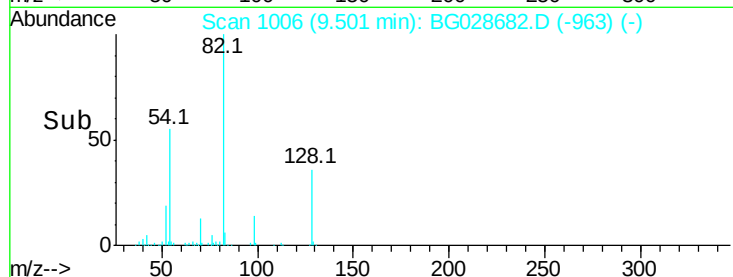
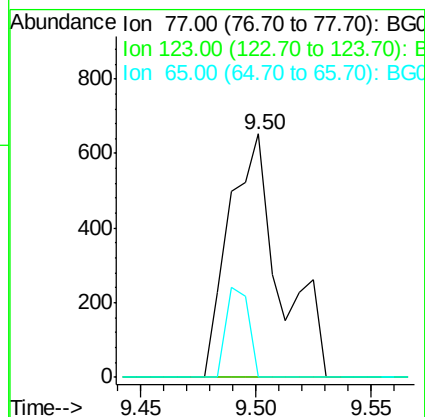
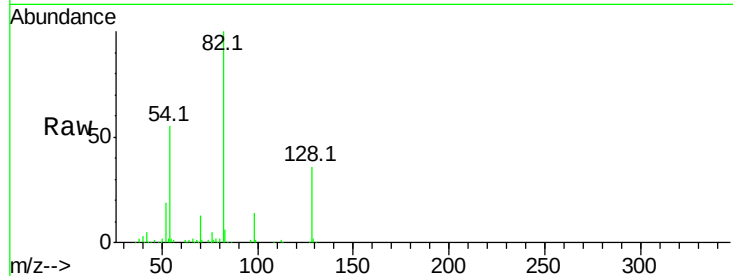




#24
 Nitrobenzene
 Concen: 0.408 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.05 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

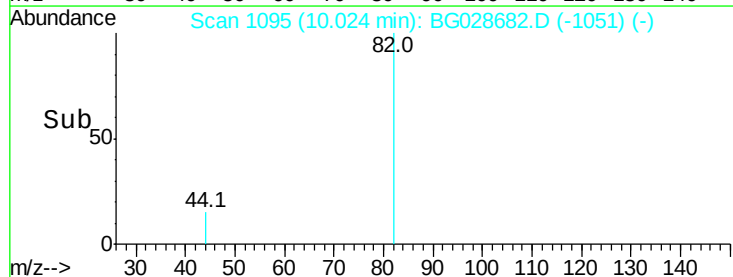
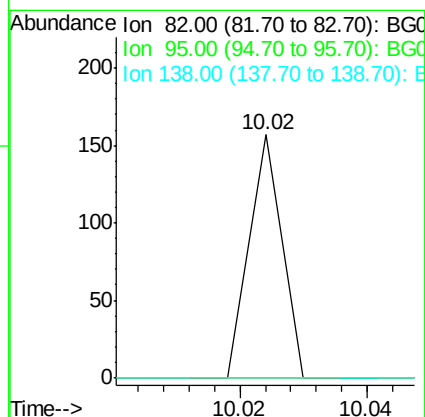
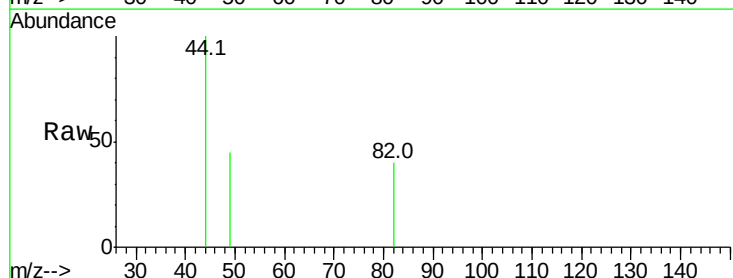
Instrument :
 BNA_G
 ClientSampled :

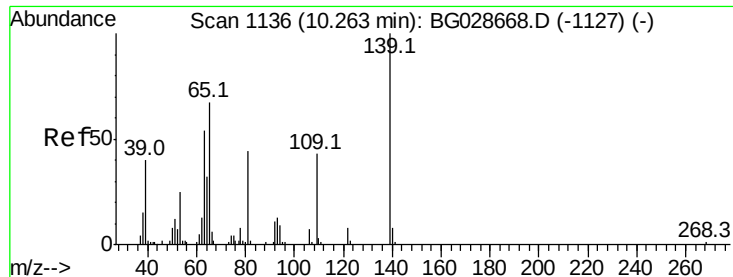
Tot Ion: 77 Resp: 992
 Ion Ratio Lower Upper
 77 100
 123 0.0 26.1 39.1#
 65 0.0 12.4 18.6#



#25
 Isophorone
 Concen: 0.012 ng
 RT: 10.02 min Scan# 1095
 Delta R.T. -0.04 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Tgt Ion: 82 Resp: 55
 Ion Ratio Lower Upper
 82 100
 95 0.0 7.5 11.3#
 138 0.0 12.3 18.5#





#26

2-Nitrophenol

Concen: 0.070 ng

RT: 10.16 min Scan# 1118

Delta R.T. -0.10 min

Lab File: BG028682.D

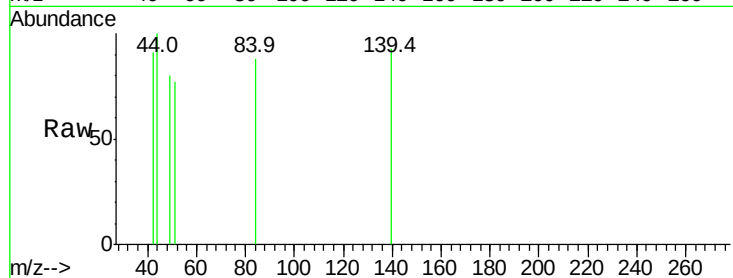
Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampled :

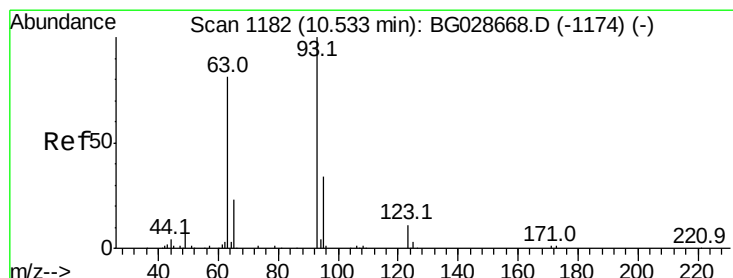
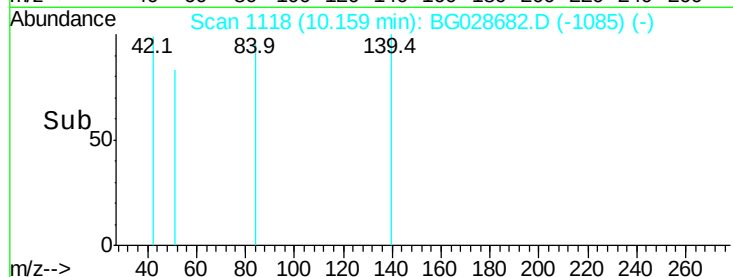
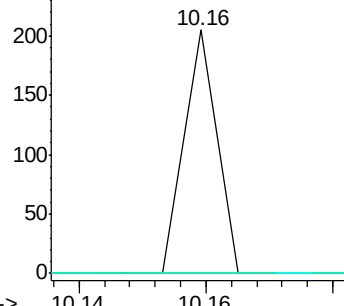
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	38.6	58.0#
65	0.0	57.1	85.7#



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



#28

bis(2-Chloroethoxy)methane

Concen: 0.034 ng

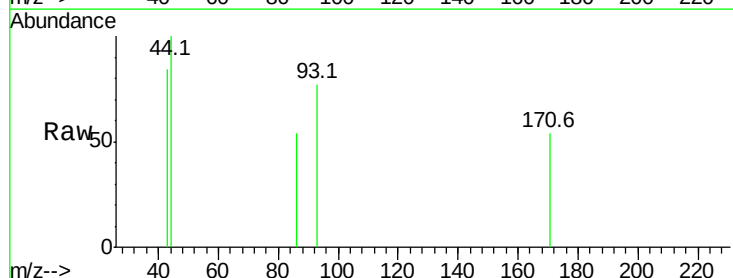
RT: 10.59 min Scan# 1192

Delta R.T. 0.06 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

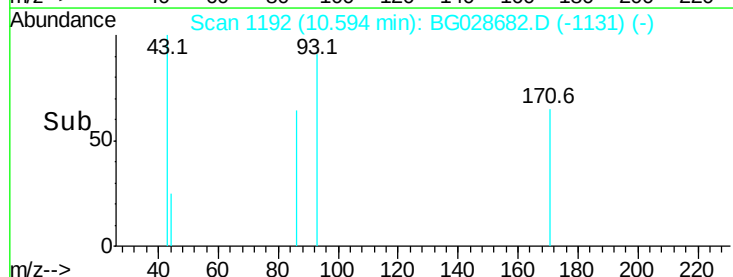
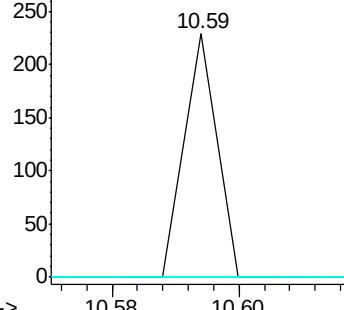
Tgt Ion	Ratio	Lower	Upper
93	100		
95	0.0	25.7	38.5#
123	0.0	8.3	12.5#

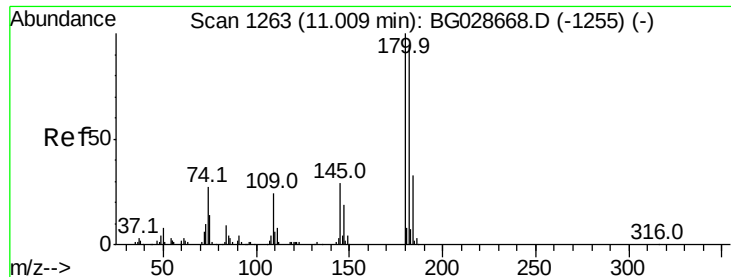


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

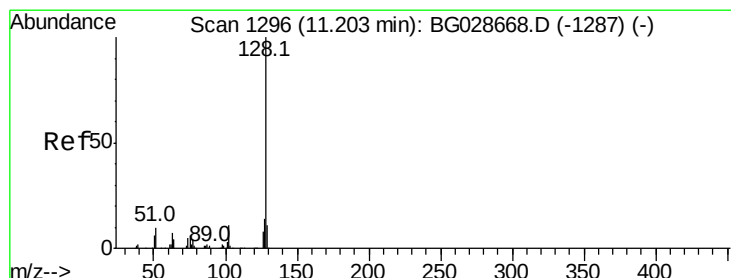
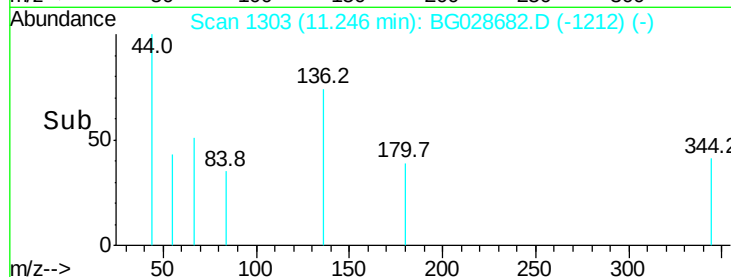
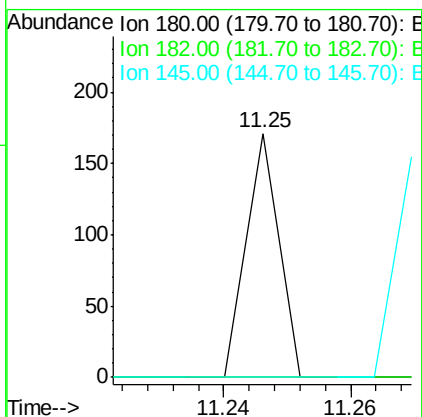
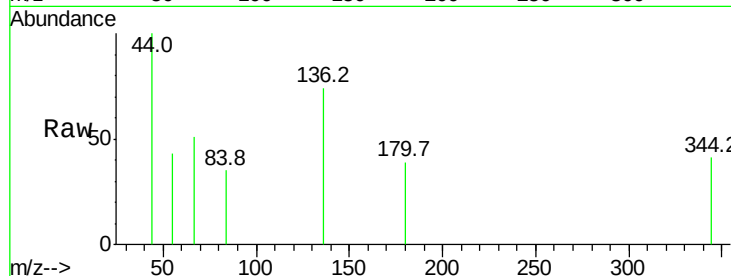




#30
 1,2,4-Trichlorobenzene
 Concen: 0.028 ng
 RT: 11.25 min Scan# 1303
 Delta R.T. 0.24 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

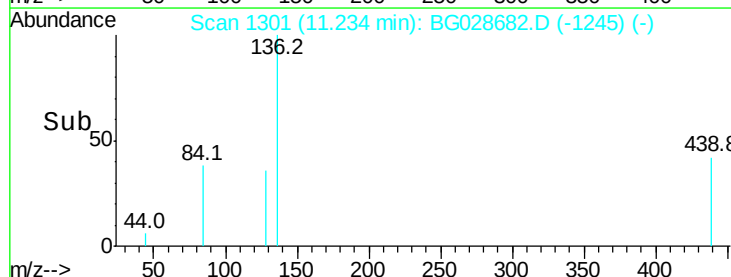
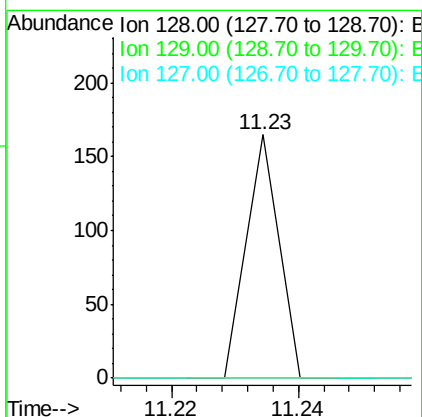
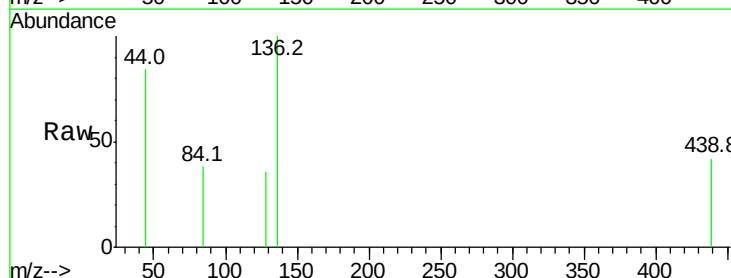
Instrument :
 BNA_G
 ClientSampleId :

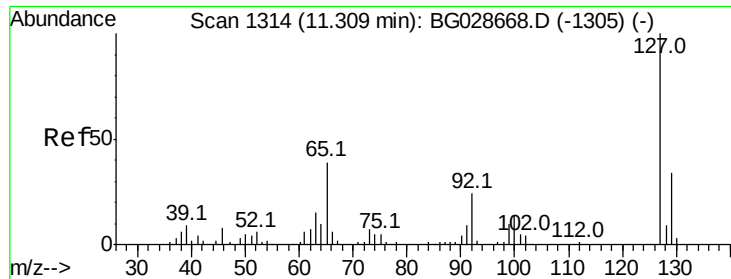
Tot Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.0 115.4#
 145 0.0 23.4 35.0#



#31
 Naphthalene
 Concen: 0.011 ng
 RT: 11.23 min Scan# 1301
 Delta R.T. 0.03 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Tgt Ion:128 Resp: 58
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.3 13.9#
 127 0.0 11.4 17.0#

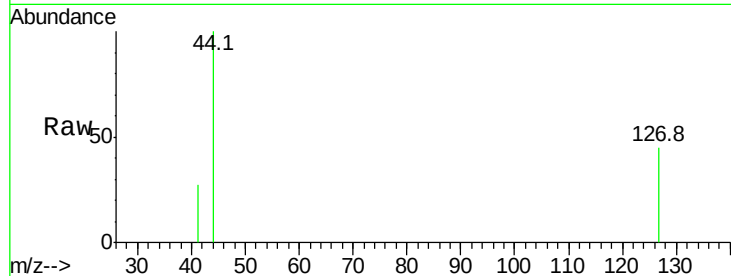




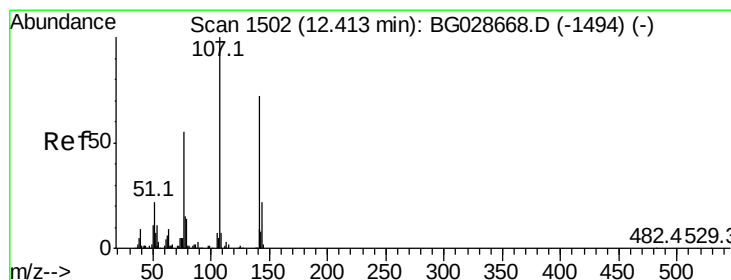
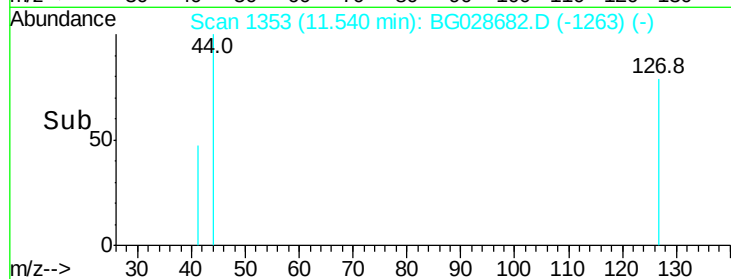
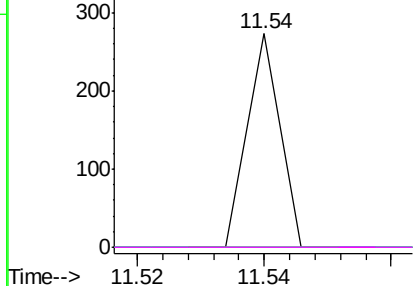
#33
4-Chloroaniline
Concen: 0.042 ng
RT: 11.54 min Scan# 1353
Delta R.T. 0.23 min
Lab File: BG028682.D
Acq: 12 Sep 2017 23:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	127	Resp:	96
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#

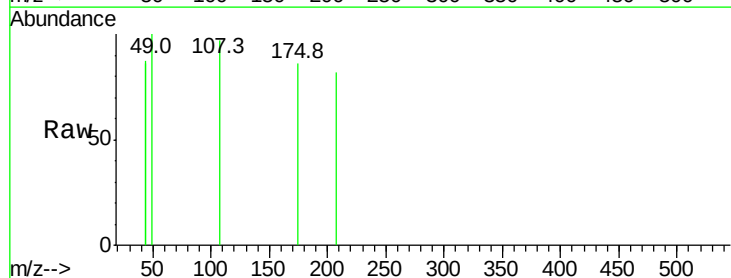


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

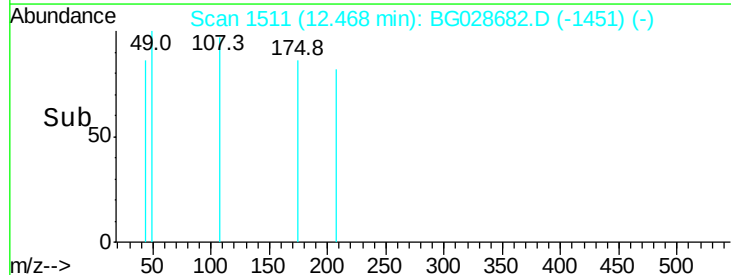
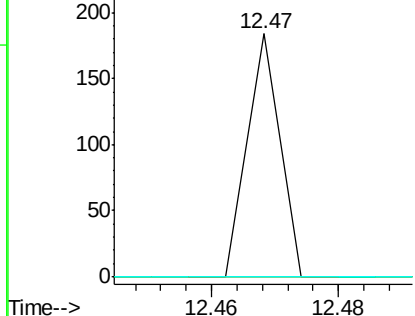


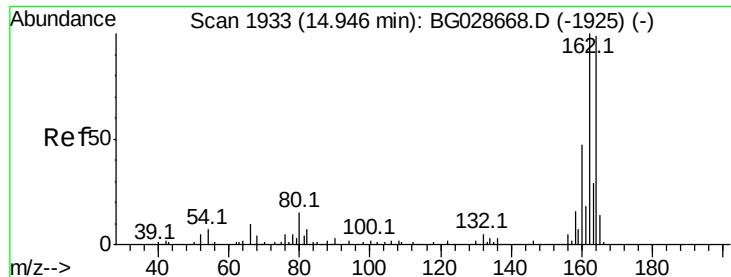
#36
4-Chloro-3-methylphenol
Concen: 0.027 ng
RT: 12.47 min Scan# 1511
Delta R.T. 0.05 min
Lab File: BG028682.D
Acq: 12 Sep 2017 23:08

Tgt Ion:	107	Resp:	65
Ion	Ratio	Lower	Upper
107	100		
144	0.0	17.4	26.0#
142	0.0	54.1	81.1#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.94 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

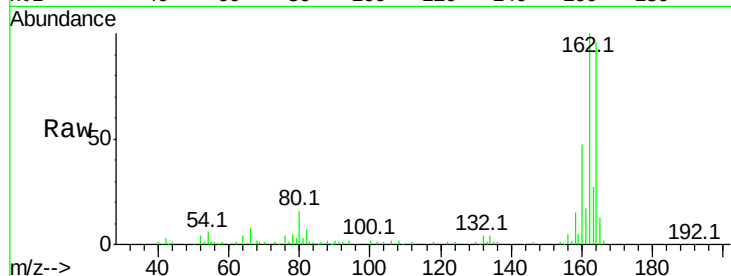
Tot Ion:164 Resp: 78033

Ion Ratio Lower Upper

164 100

162 103.7 85.1 127.7

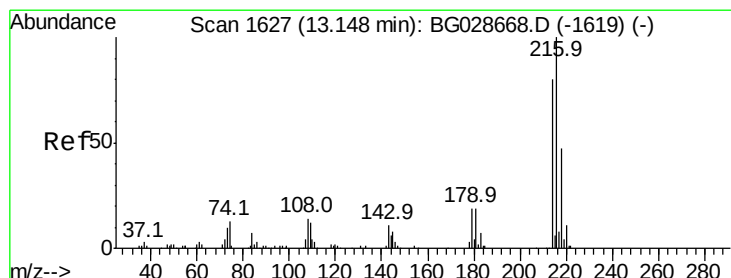
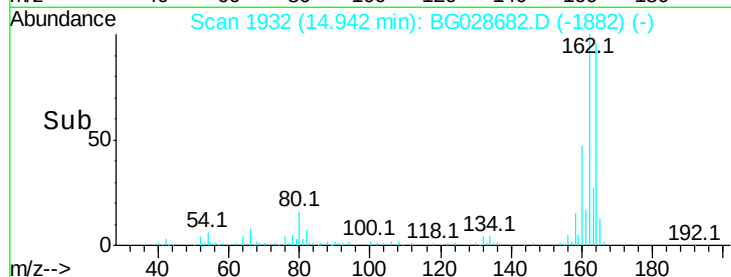
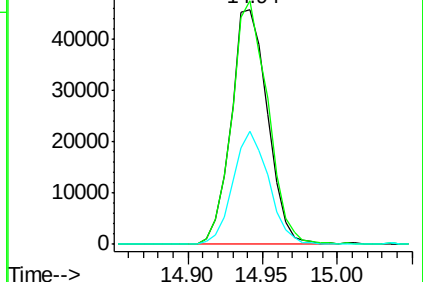
160 48.2 34.7 52.1



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.018 ng

RT: 13.01 min Scan# 1603

Delta R.T. -0.14 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Tgt Ion:216 Resp: 58

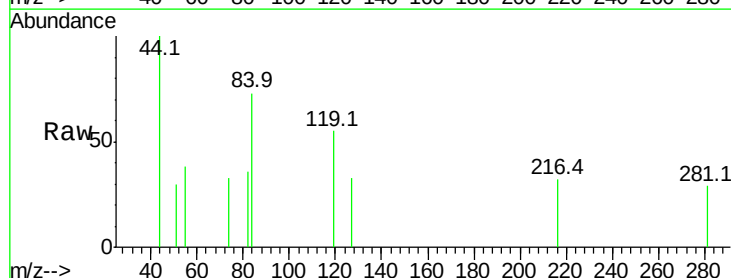
Ion Ratio Lower Upper

216 100

214 0.0 64.4 96.6#

179 0.0 17.4 26.0#

108 0.0 15.6 23.4#

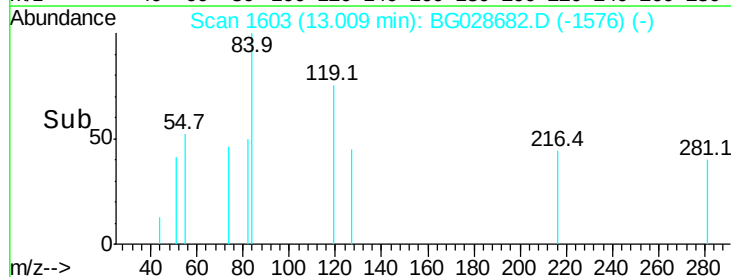
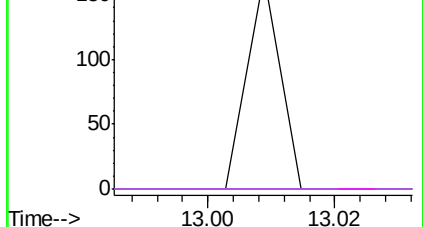


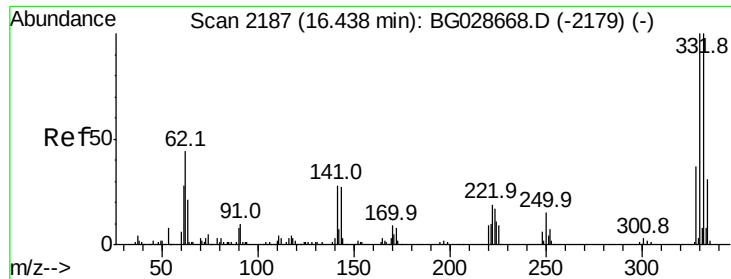
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

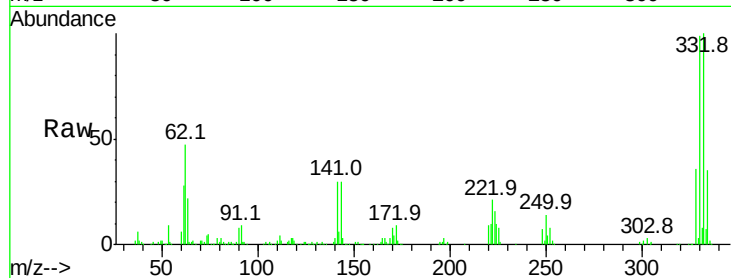




#41
 2,4,6-Tribromophenol
 Concen: 185.644 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	30.4	32.1	48.1#

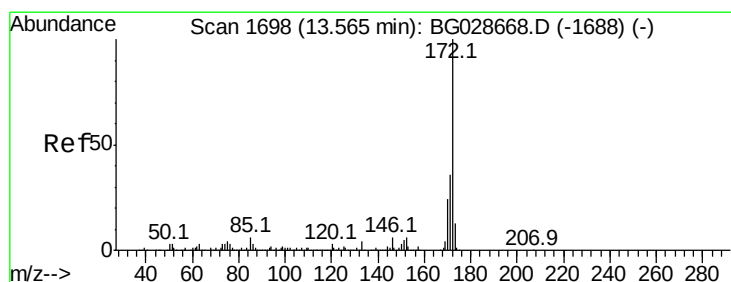
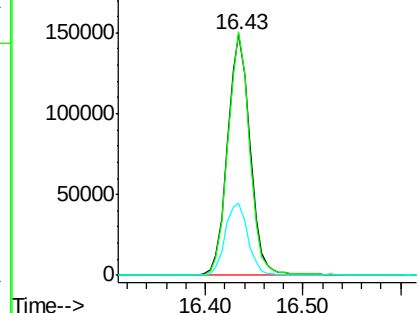
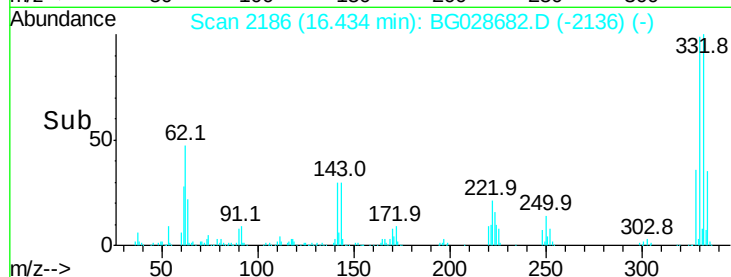


Abundance

Ion 329.80 (329.50 to 330.50): E

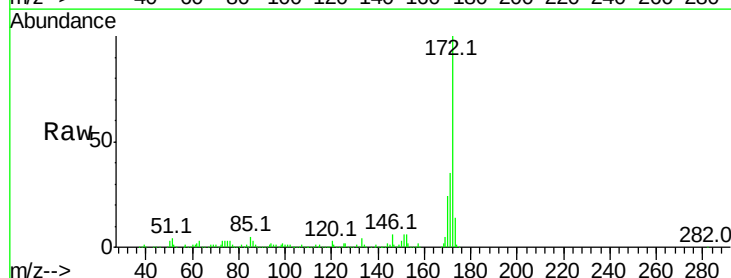
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 98.623 ng
 RT: 13.56 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	32.2	48.2
170	24.4	21.8	32.6

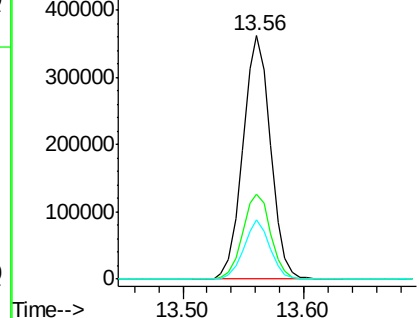
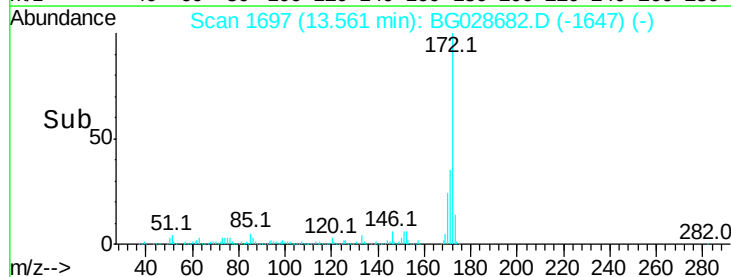


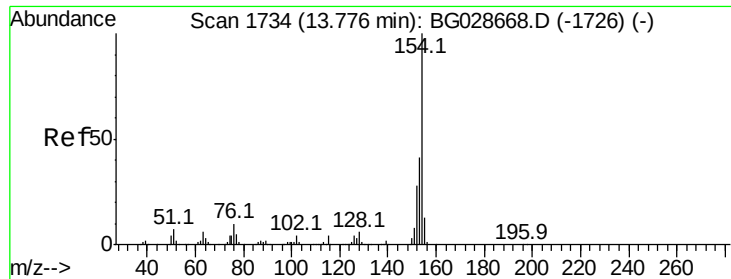
Abundance

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





#45

1,1'-Biphenyl

Concen: 0.082 ng

RT: 13.78 min Scan# 1735

Delta R.T. 0.01 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

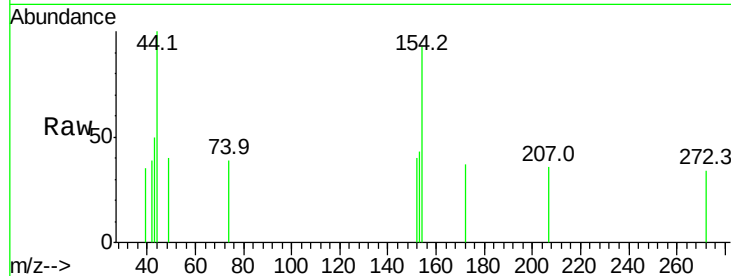
Tot Ion:154 Resp: 530

Ion Ratio Lower Upper

154 100

153 46.1 23.0 63.0

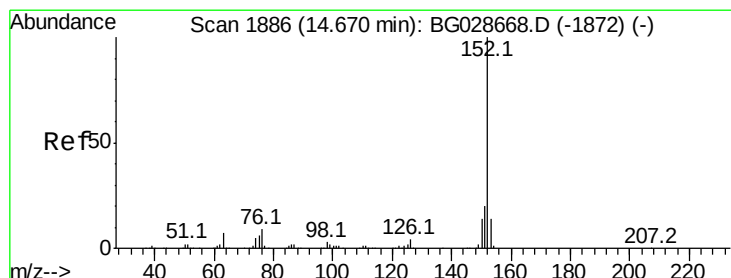
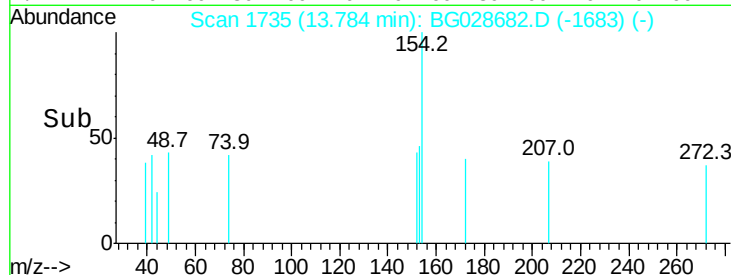
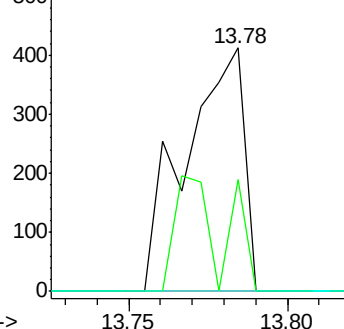
76 0.0 0.0 33.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#48

Acenaphthylene

Concen: 0.010 ng

RT: 14.86 min Scan# 1918

Delta R.T. 0.19 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

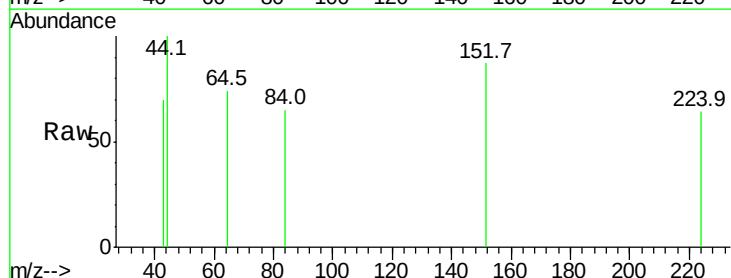
Tgt Ion:152 Resp: 73

Ion Ratio Lower Upper

152 100

151 100.0 18.2 27.2#

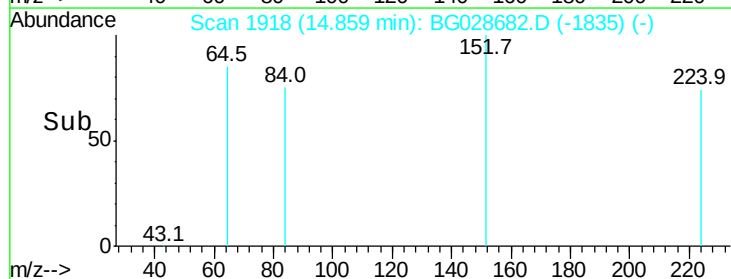
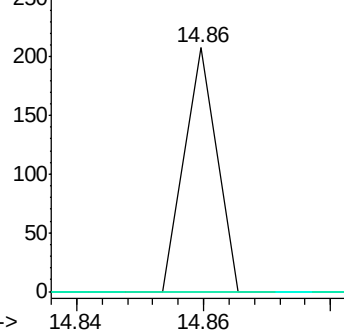
153 0.0 11.3 16.9#

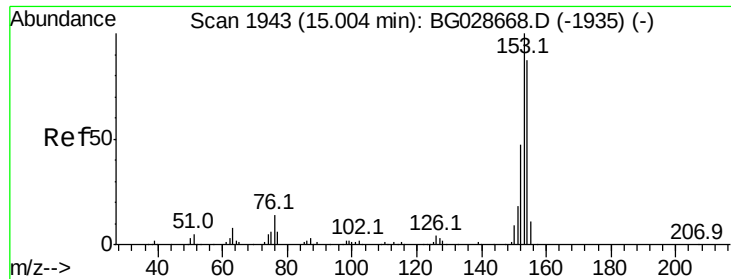


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 0.012 ng

RT: 15.01 min Scan# 1943

Delta R.T. 0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

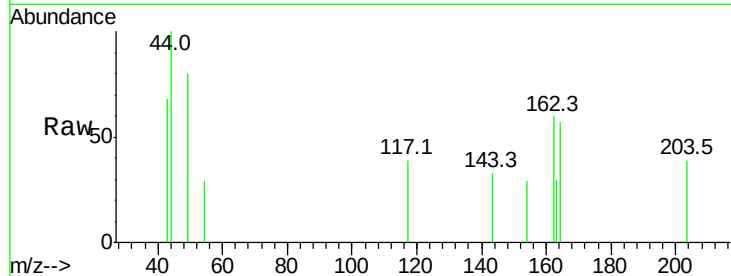
Tot Ion:154 Resp: 55

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

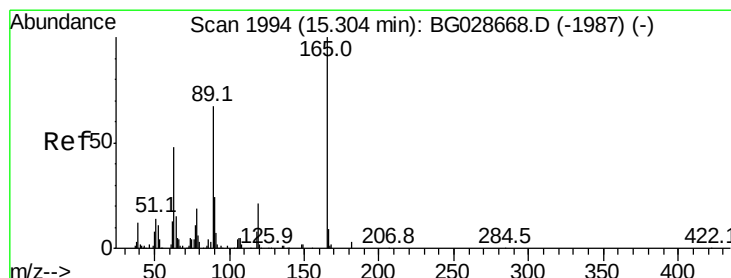
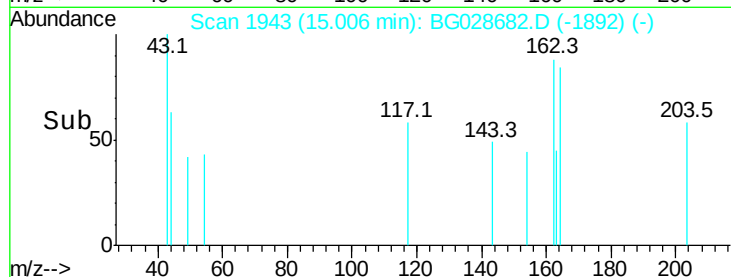
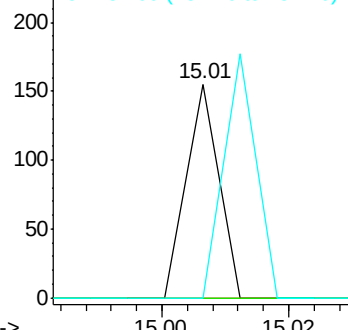
152 0.0 42.2 63.4#



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



#56

2,4-Dinitrotoluene

Concen: 0.029 ng

RT: 15.08 min Scan# 1956

Delta R.T. -0.22 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Tgt Ion:165 Resp: 60

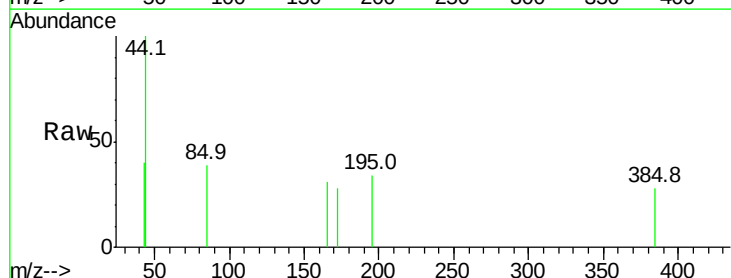
Ion Ratio Lower Upper

165 100

63 0.0 44.0 66.0#

89 0.0 67.3 100.9#

182 0.0 3.8 5.6#

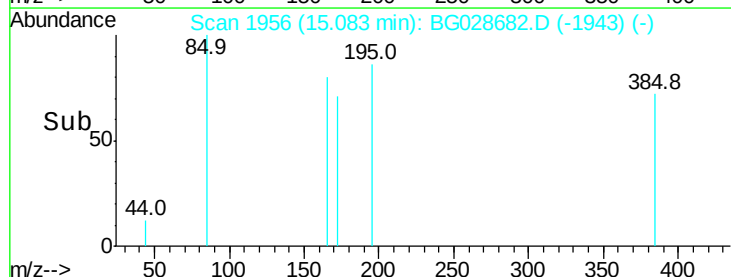
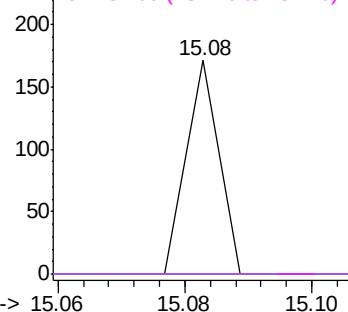


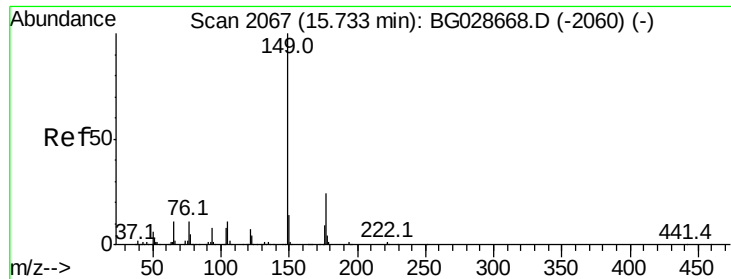
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#59

Diethylphthalate

Concen: 0.040 ng

RT: 15.73 min Scan# 2067

Delta R.T. 0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

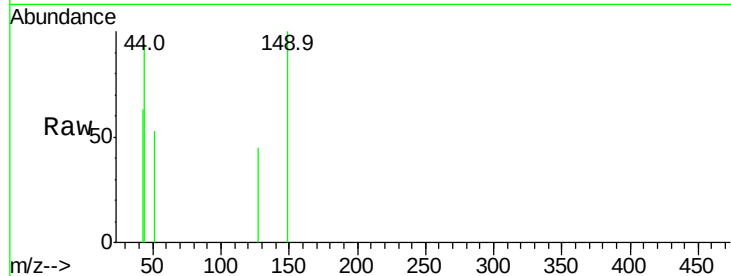
Tot Ion:149 Resp: 270

Ion Ratio Lower Upper

149 100

177 0.0 20.1 30.1#

150 0.0 10.2 15.2#



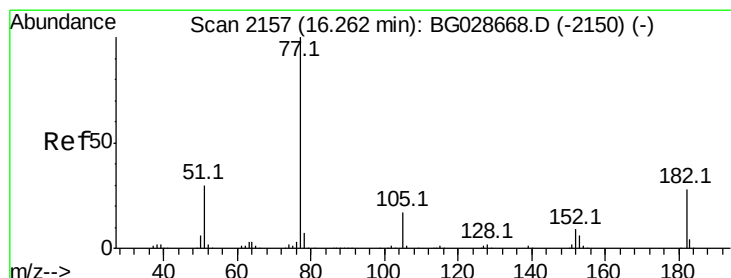
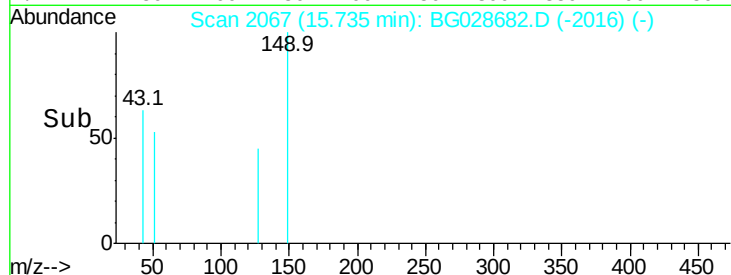
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.73

Time-->



#62

Azobenzene

Concen: 0.010 ng

RT: 16.16 min Scan# 2139

Delta R.T. -0.10 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Tgt Ion: 77 Resp: 57

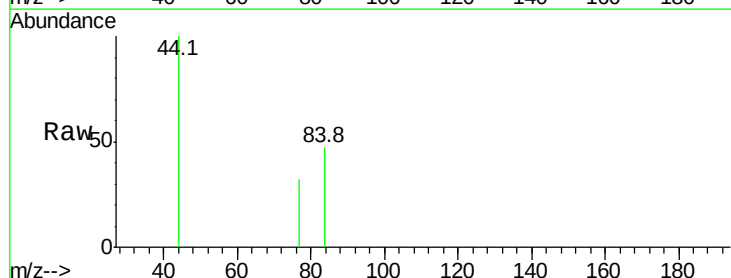
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 0.0 0.0 36.3

51 0.0 16.4 56.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

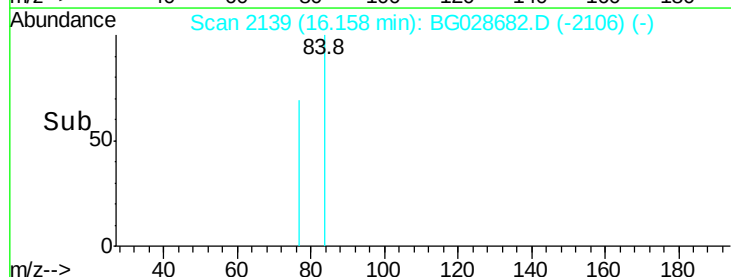
Ion 182.00 (181.70 to 182.70): E

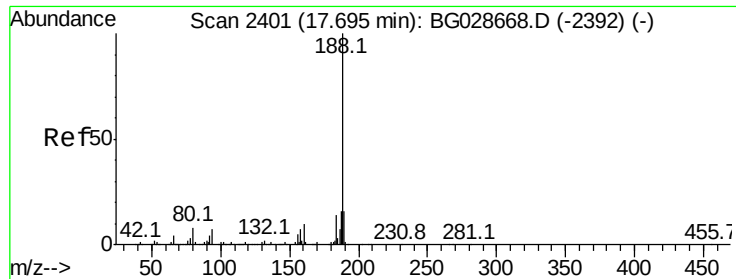
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

16.16

Time-->





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

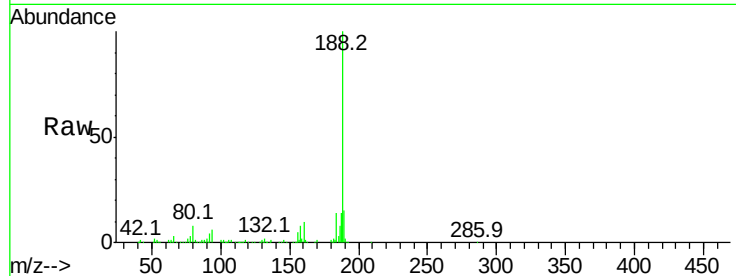
Tot Ion:188 Resp: 229414

Ion Ratio Lower Upper

188 100

94 6.3 5.8 8.8

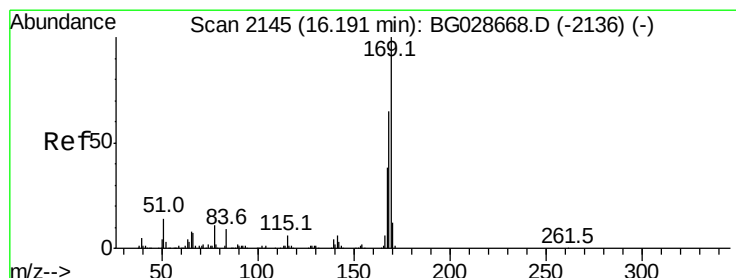
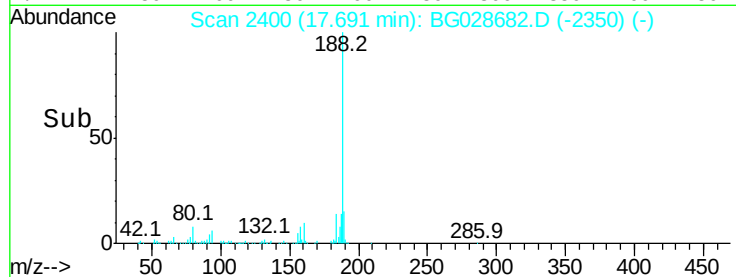
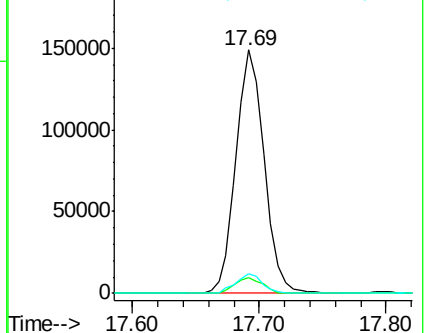
80 8.0 7.5 11.3



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



#65

n-Nitrosodiphenylamine

Concen: 1.171 ng

RT: 16.43 min Scan# 2186

Delta R.T. 0.24 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

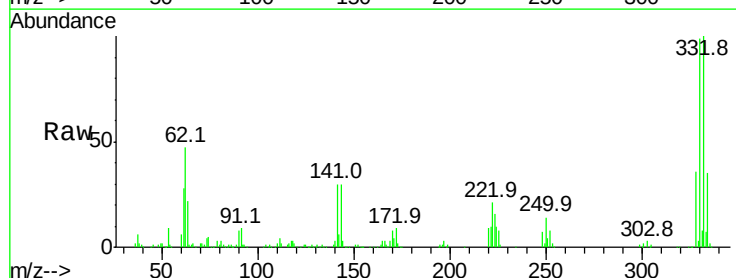
Tgt Ion:169 Resp: 7700

Ion Ratio Lower Upper

169 100

168 0.0 55.7 83.5#

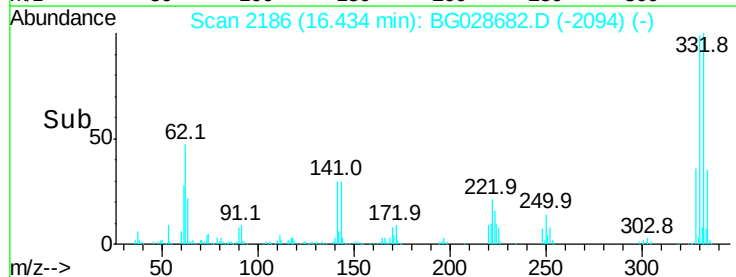
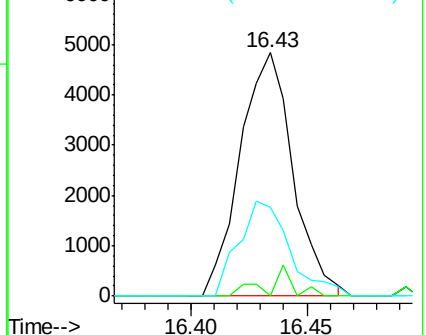
167 36.2 29.8 44.6

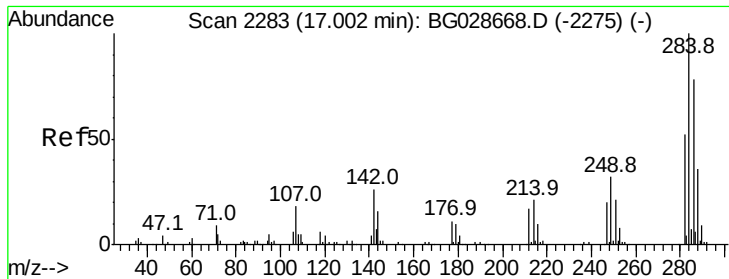


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

Hexachlorobenzene

Concen: 0.017 ng

RT: 16.89 min Scan# 2263

Delta R.T. -0.12 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

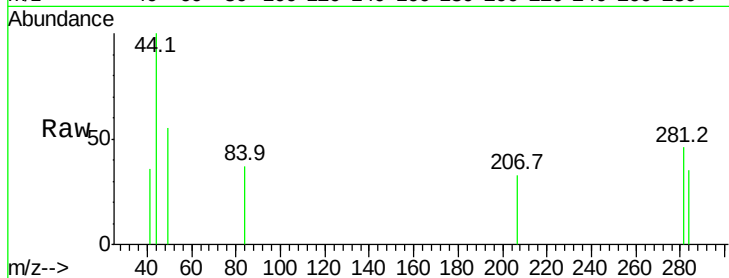
Tot Ion:284 Resp: 58

Ion Ratio Lower Upper

284 100

142 0.0 29.9 44.9#

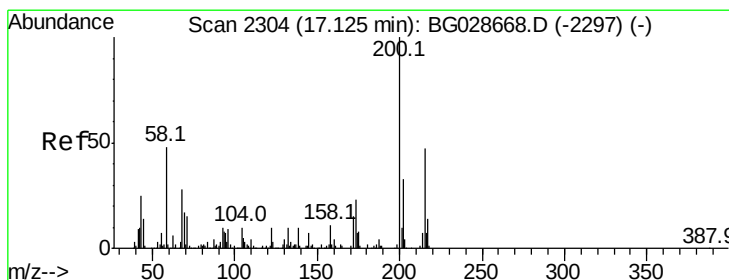
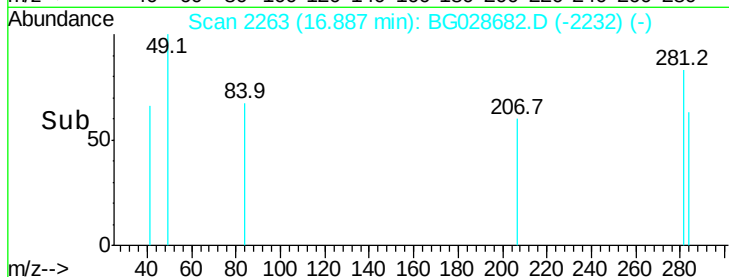
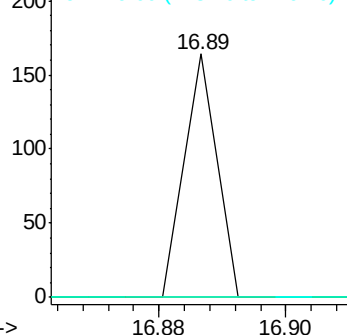
249 0.0 29.2 43.8#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 0.022 ng

RT: 17.09 min Scan# 2297

Delta R.T. -0.04 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

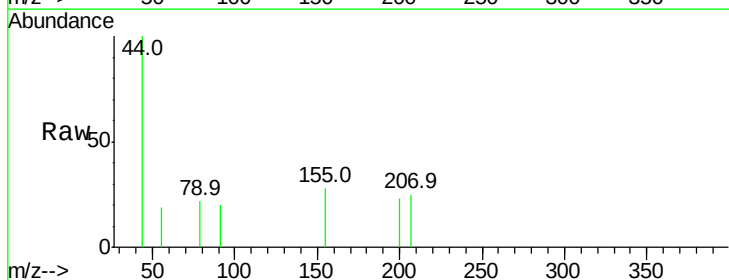
Tgt Ion:200 Resp: 63

Ion Ratio Lower Upper

200 100

173 0.0 3.0 43.0#

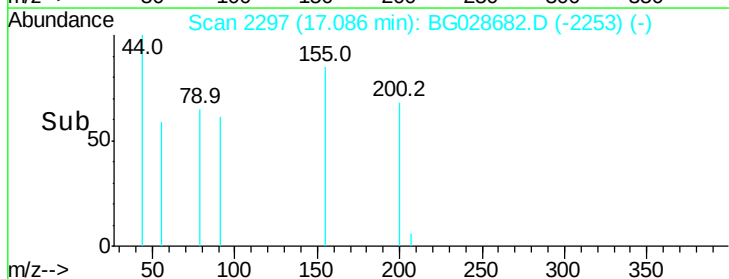
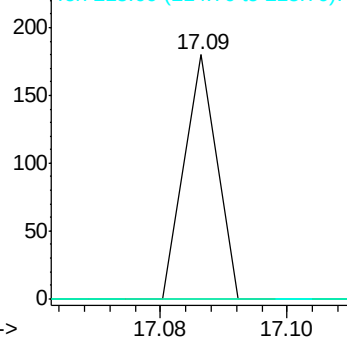
215 0.0 28.4 68.4#

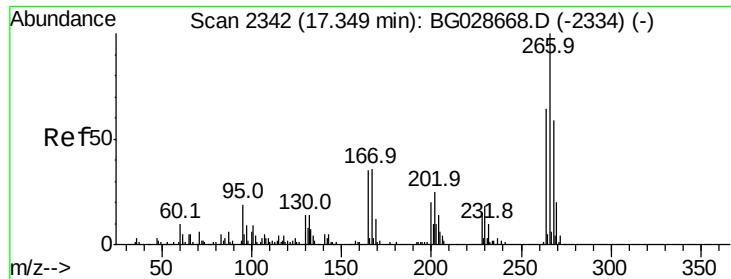


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

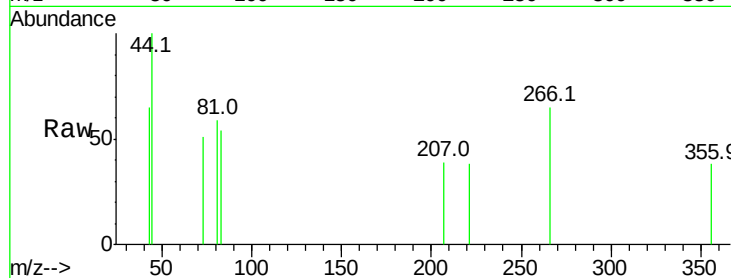




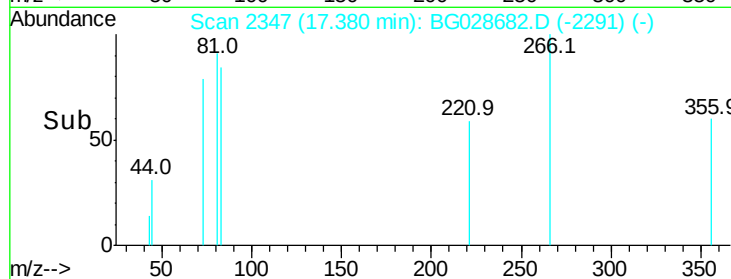
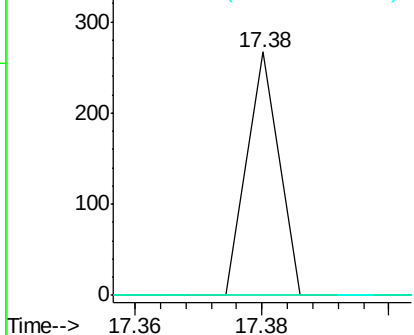
#69
 Pentachlorophenol
 Concen: 0.062 ng
 RT: 17.38 min Scan# 2347
 Delta R.T. 0.03 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:266 Resp: 94
 Ion Ratio Lower Upper
 266 100
 268 0.0 48.6 72.8#
 264 0.0 50.1 75.1#

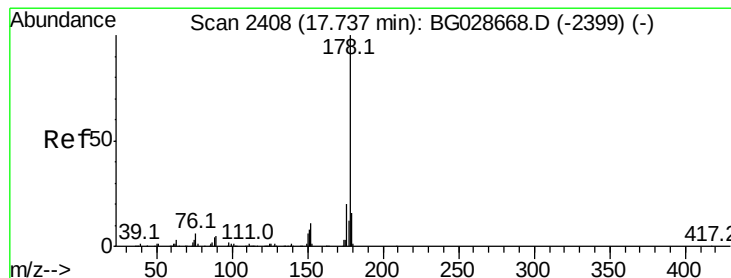


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

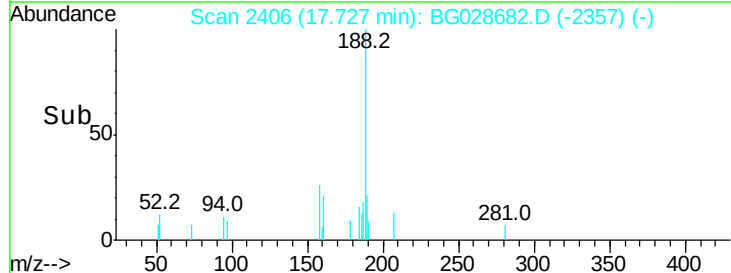
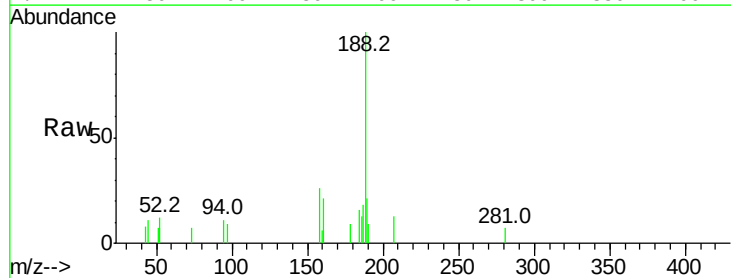
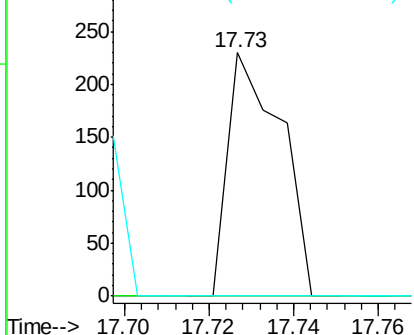


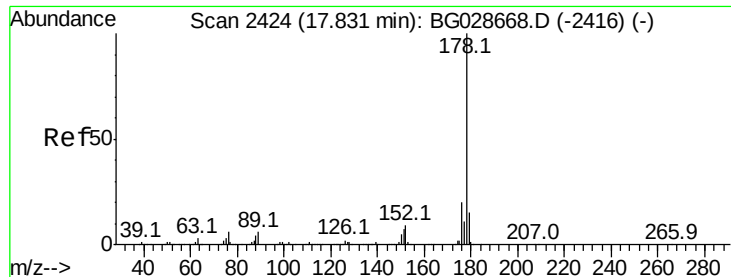
#70
 Phenanthrene
 Concen: 0.017 ng
 RT: 17.73 min Scan# 2406
 Delta R.T. -0.01 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Tgt Ion:178 Resp: 201
 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

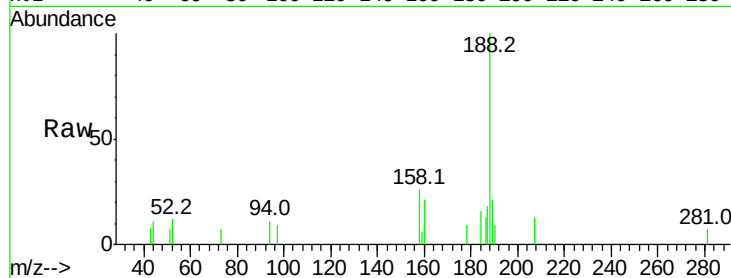




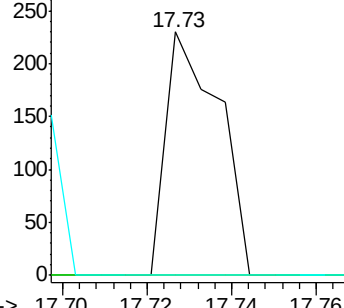
#71
 Anthracene
 Concen: 0.017 ng
 RT: 17.73 min Scan# 2406
 Delta R.T. -0.10 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Instrument :
 BNA_G
 ClientSampleId :

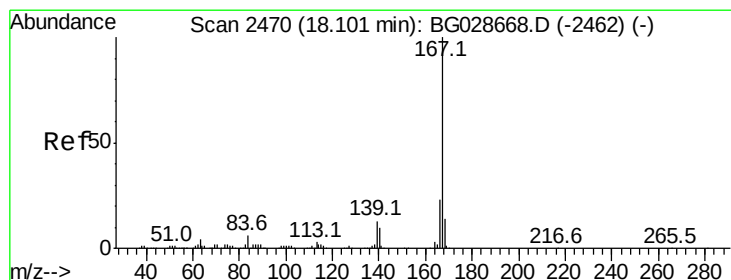
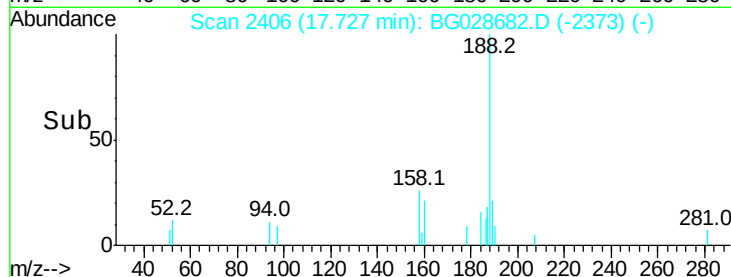
Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.4	24.6#
179	0.0	13.8	20.8#



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

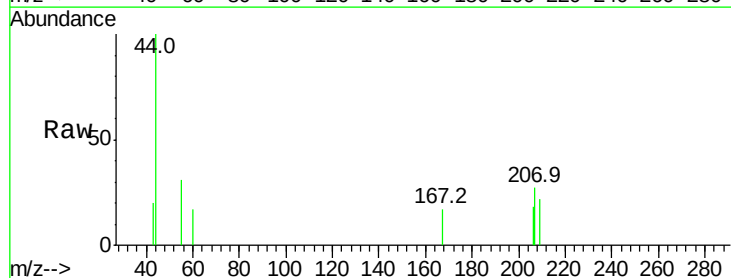


Time--> 17.70 17.72 17.74 17.76

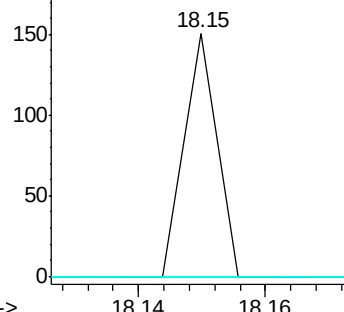


#72
 Carbazole
 Concen: 0.005 ng
 RT: 18.15 min Scan# 2478
 Delta R.T. 0.05 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

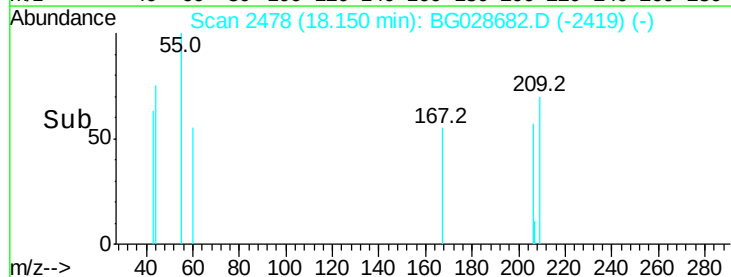
Tgt Ion	Ratio	Lower	Upper
167	100		
166	0.0	20.2	30.2#
139	0.0	12.8	19.2#

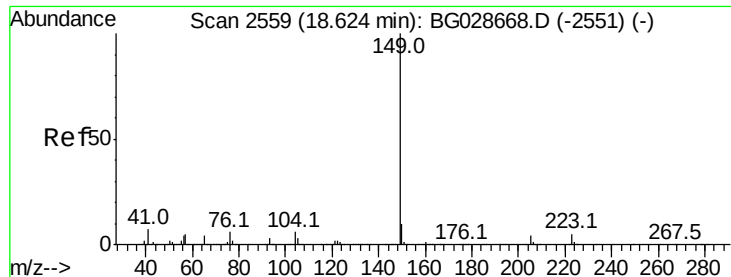


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



Time--> 18.14 18.16





#73

Di-n-butylphthalate

Concen: 0.082 ng

RT: 18.63 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

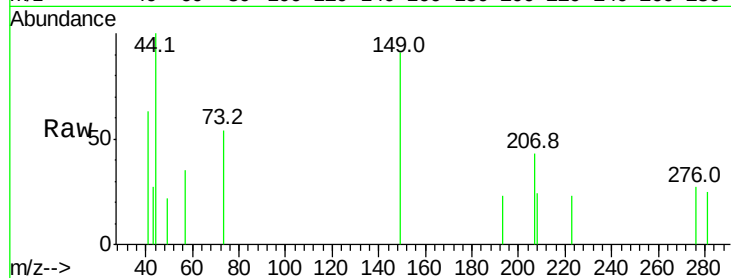
Tot Ion:149 Resp: 1067

Ion Ratio Lower Upper

149 100

150 0.0 9.1 13.7#

104 0.0 6.7 10.1#

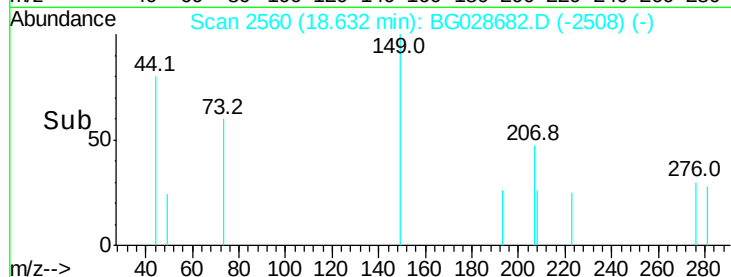


Abundance Ion 149.00 (148.70 to 149.70): E

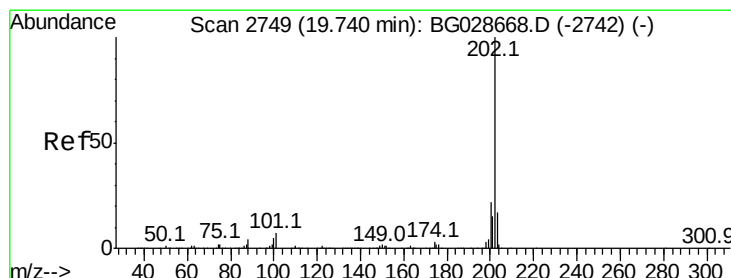
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



Time-->



#74

Fluoranthene

Concen: 0.005 ng

RT: 19.74 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

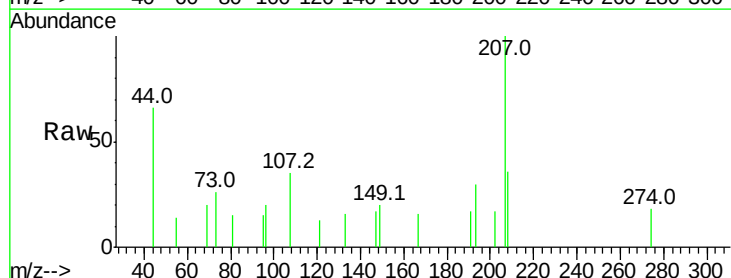
Tgt Ion:202 Resp: 73

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.1

203 0.0 1.3 41.3#

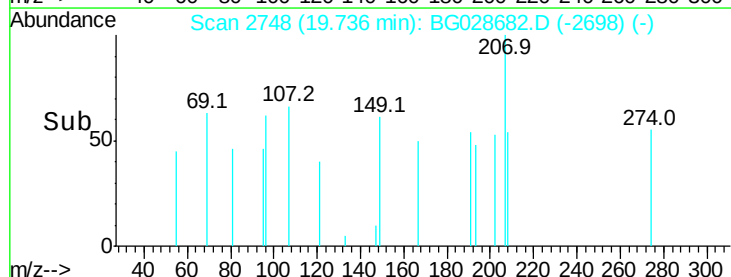


Abundance Ion 202.00 (201.70 to 202.70): E

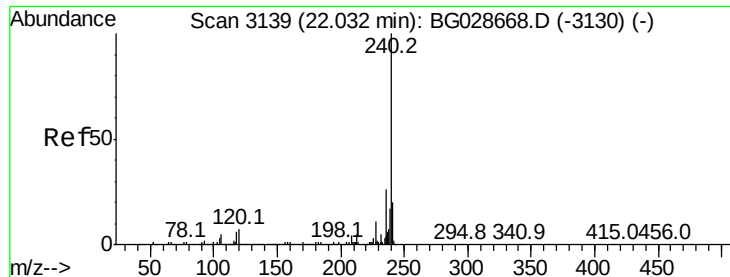
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

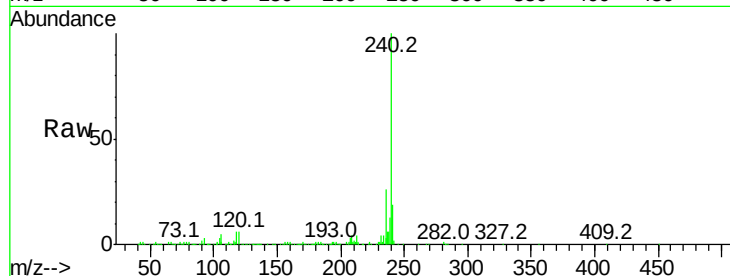
Tot Ion:240 Resp: 273599

Ion Ratio Lower Upper

240 100

120 5.6 5.7 8.5#

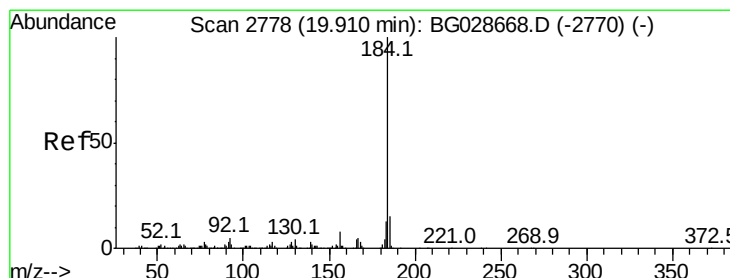
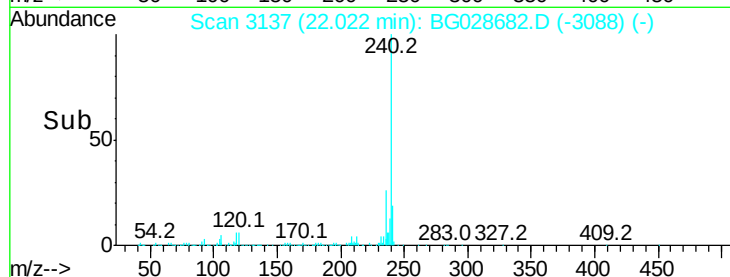
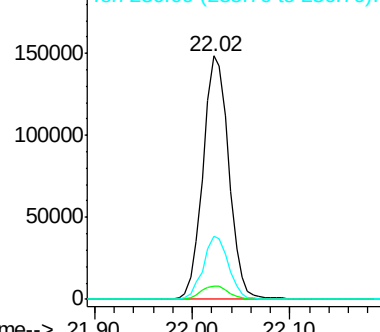
236 26.2 22.2 33.4



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



#76

Benzidine

Concen: 0.008 ng

RT: 19.93 min Scan# 2781

Delta R.T. 0.02 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

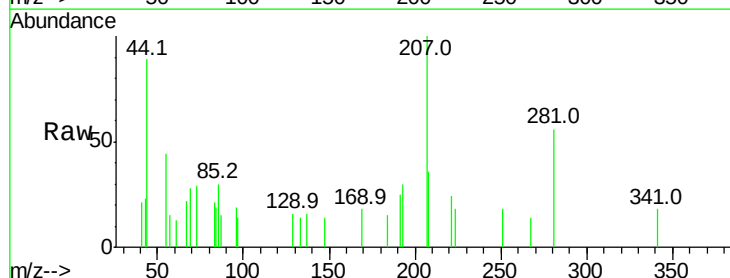
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

185 0.0 13.0 19.6#

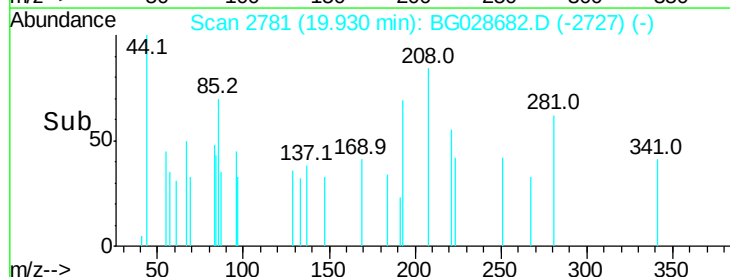
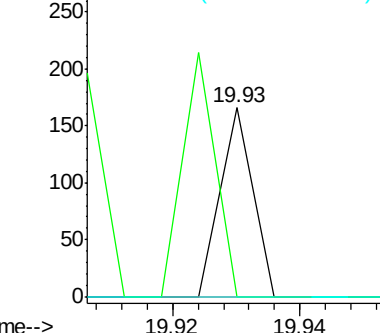
183 0.0 11.0 16.6#

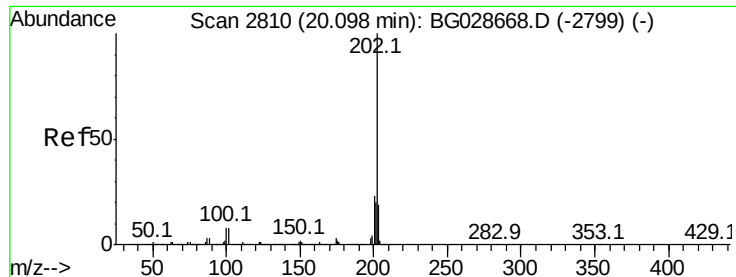


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.274 ng

RT: 20.28 min Scan# 2840

Delta R.T. 0.18 min

Lab File: BG028682.D

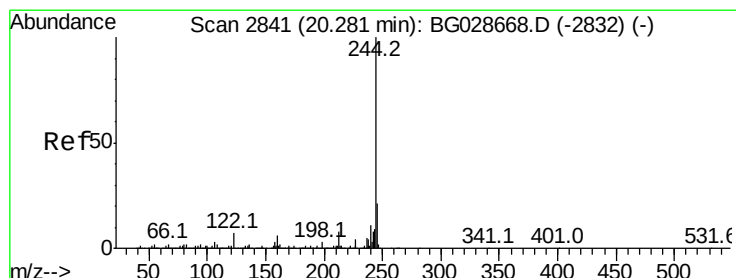
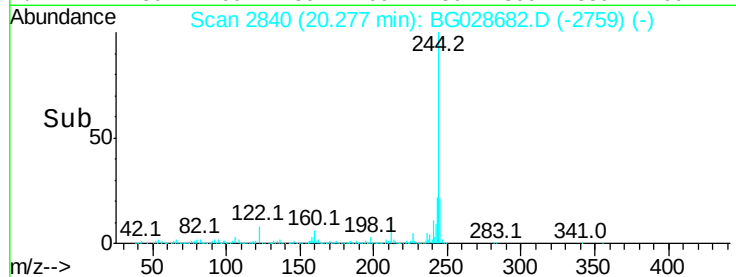
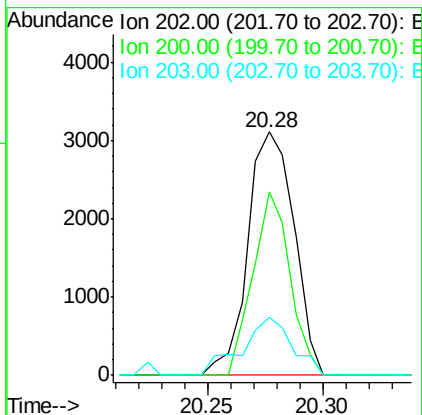
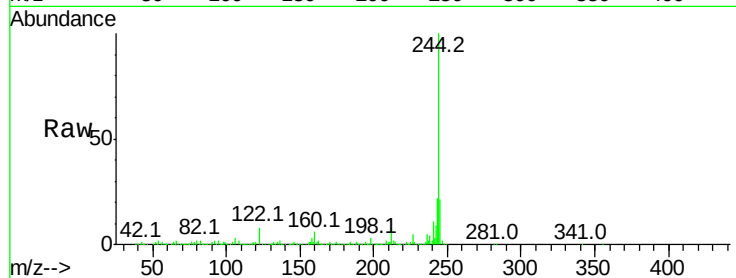
Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	4317
Ion	Ratio	Lower	Upper
202	100		
200	75.4	19.6	29.4#
203	23.8	15.8	23.8#



#78

Terphenyl-d14

Concen: 99.725 ng

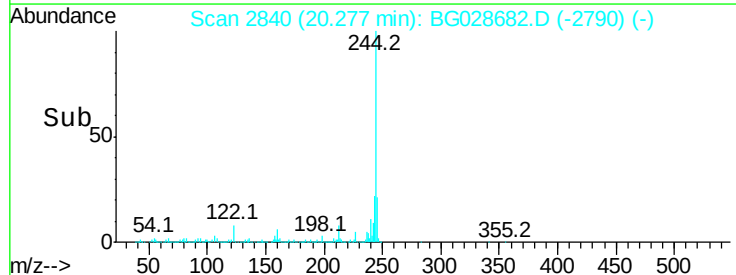
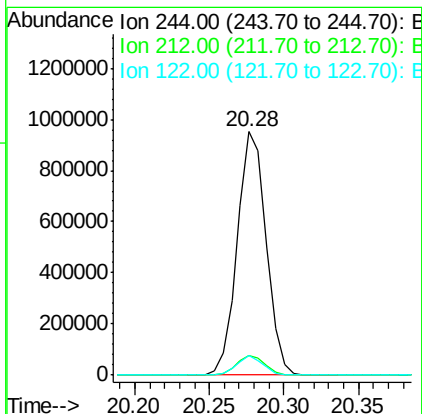
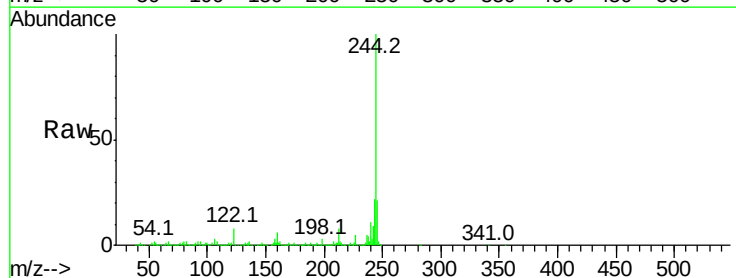
RT: 20.28 min Scan# 2840

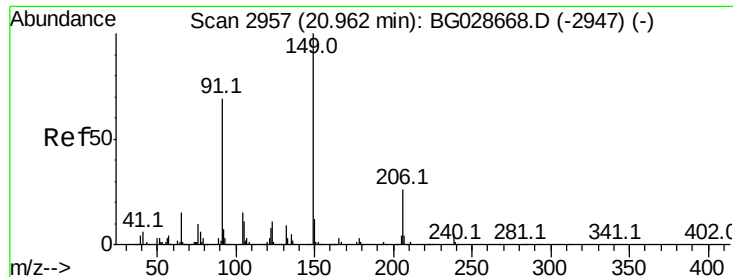
Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Tgt Ion:	244	Resp:	1279423
Ion	Ratio	Lower	Upper
244	100		
212	7.8	10.0	15.0#
122	7.8	8.6	12.8#

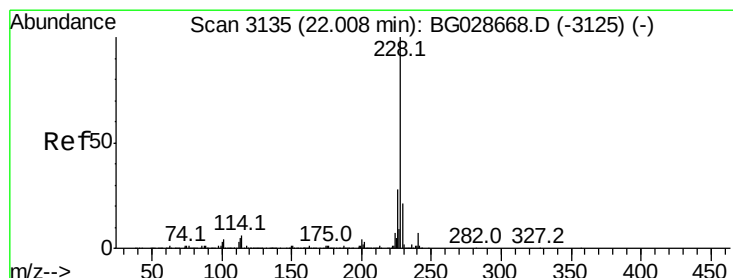
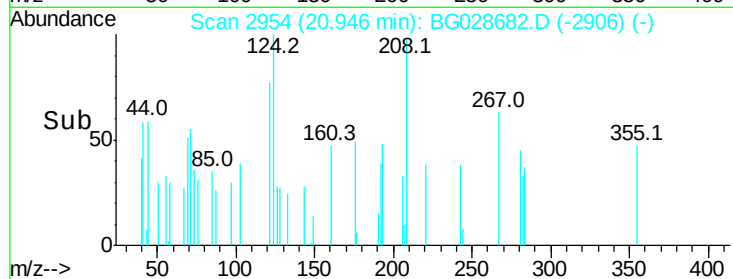
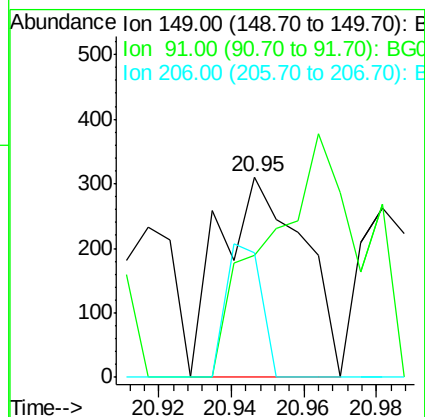
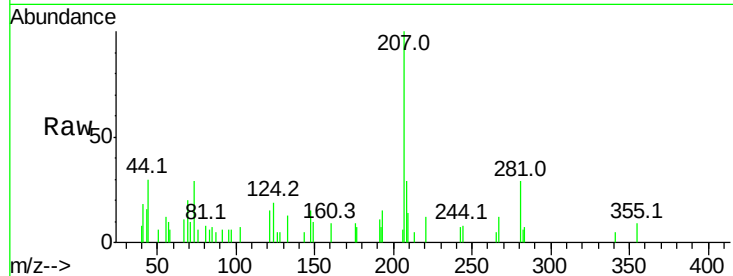




#79
Butylbenzylphthalate
Concen: 0.078 ng
RT: 20.95 min Scan# 2954
Delta R.T. -0.02 min
Lab File: BG028682.D
Acq: 12 Sep 2017 23:08

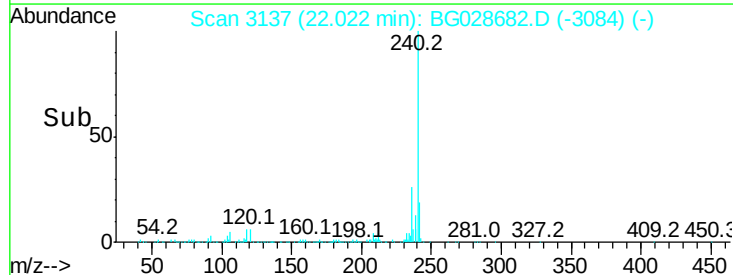
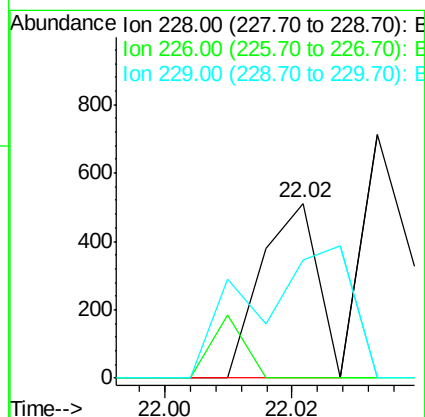
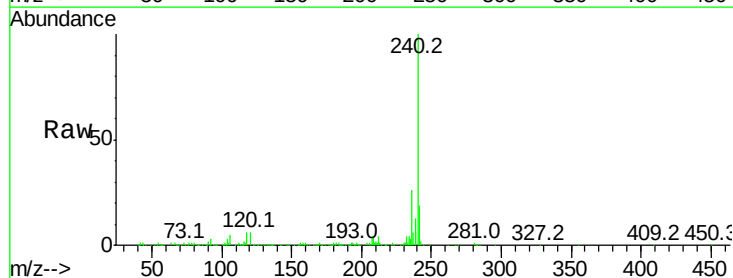
Instrument :
BNA_G
ClientSampled :

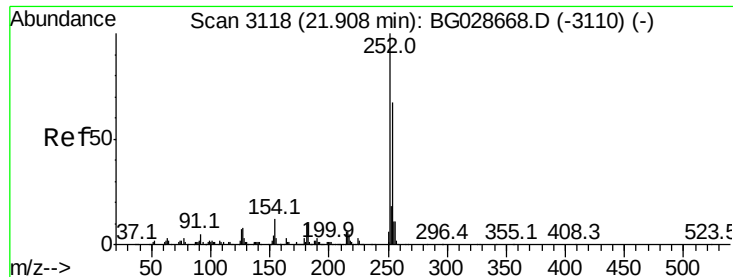
Tot Ion	Ratio	Lower	Upper
149	100		
91	60.8	63.5	95.3#
206	62.4	21.0	31.6#



#80
Benzo(a)anthracene
Concen: 0.019 ng
RT: 22.02 min Scan# 3137
Delta R.T. 0.01 min
Lab File: BG028682.D
Acq: 12 Sep 2017 23:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	67.6	18.2	27.2#

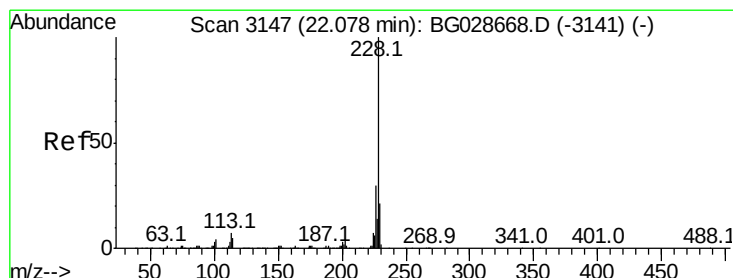
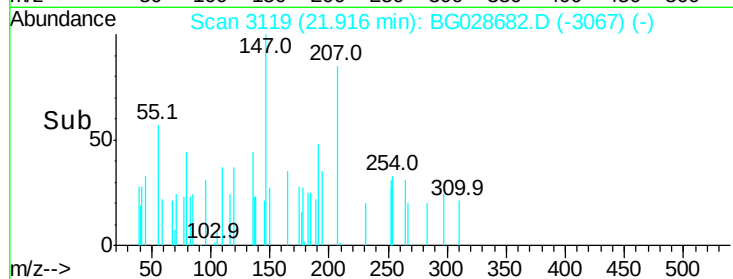
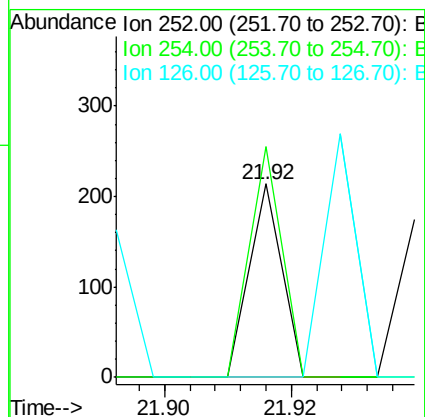
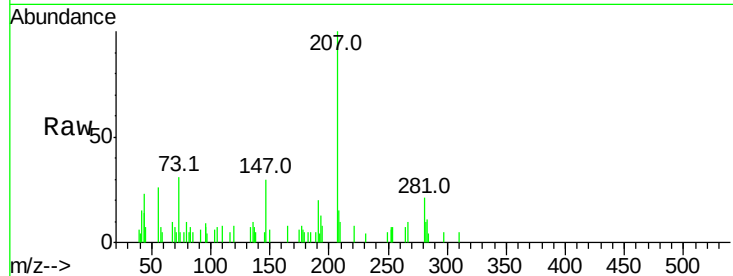




#81
 3,3'-Dichlorobenzidine
 Concen: 0.011 ng
 RT: 21.92 min Scan# 3119
 Delta R.T. 0.01 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

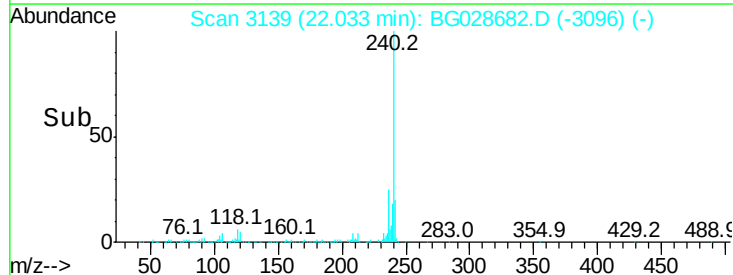
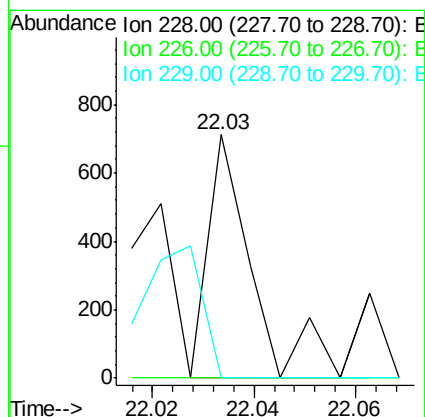
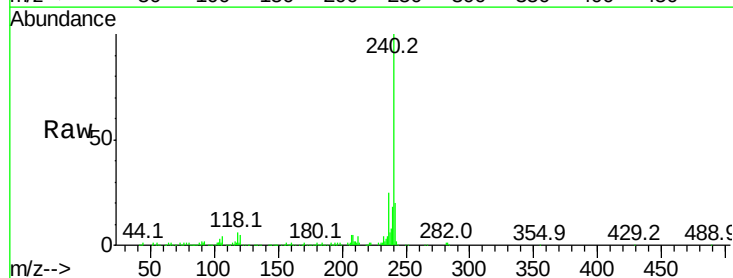
Instrument :
 BNA_G
 ClientSampleId :

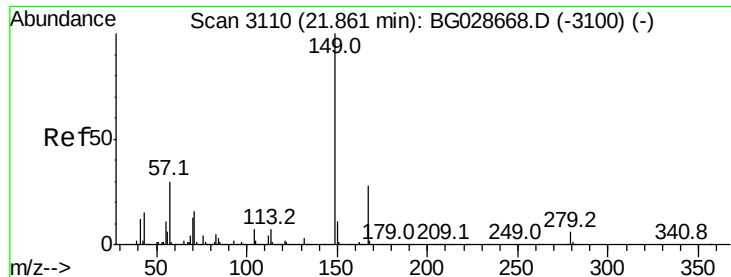
Tot Ion	Ratio	Lower	Upper
252	100		
254	119.6	53.1	79.7#
126	0.0	7.0	10.4#



#82
 Chrysene
 Concen: 0.027 ng
 RT: 22.03 min Scan# 3139
 Delta R.T. -0.05 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

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

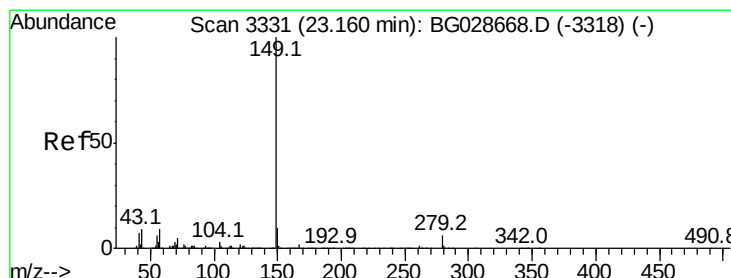
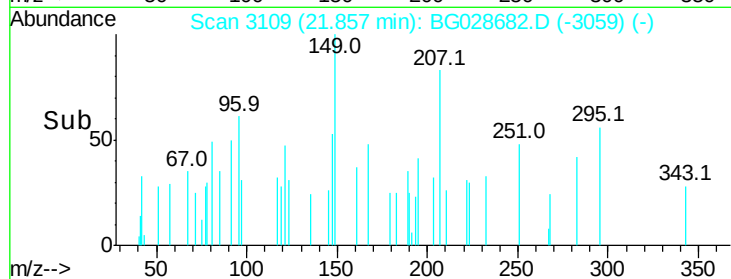
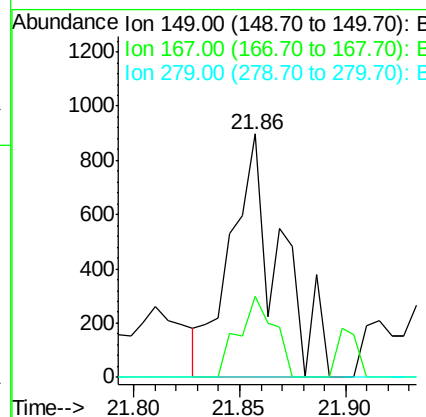
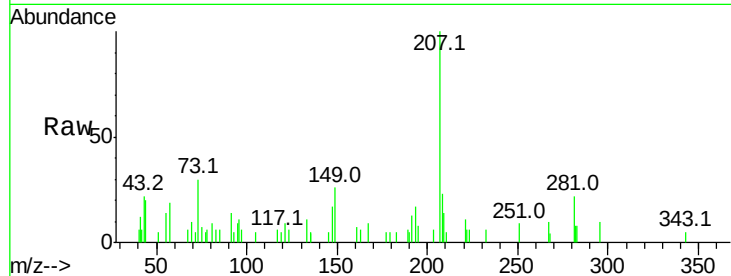




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.158 ng
 RT: 21.86 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

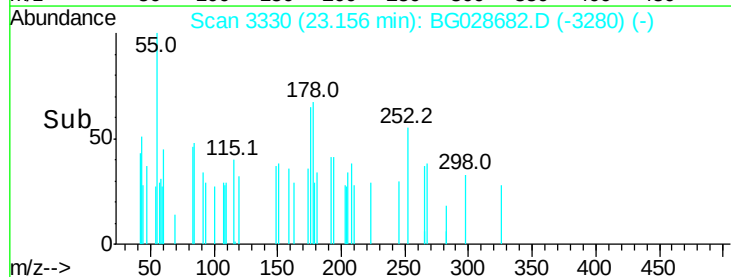
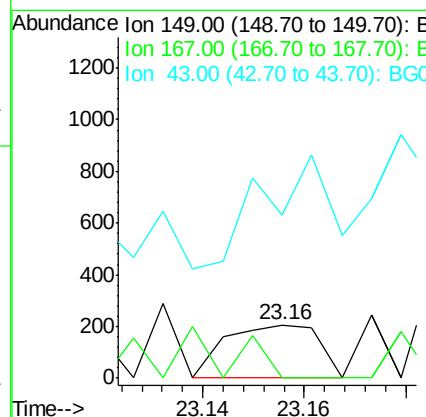
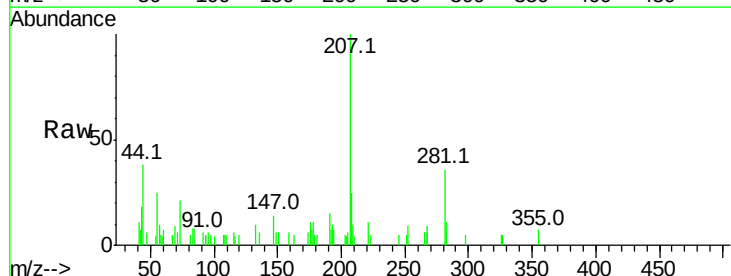
Instrument :
 BNA_G
 ClientSampled :

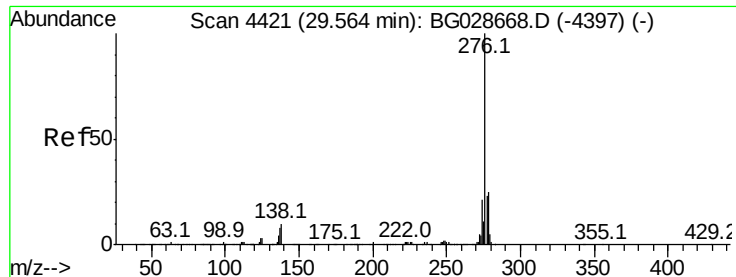
Tot Ion	Ratio	Lower	Upper
149	100		
167	33.1	23.7	35.5
279	0.0	4.6	6.8#



#84
 Di-n-octyl phthalate
 Concen: 0.017 ng
 RT: 23.16 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: BG028682.D
 Acq: 12 Sep 2017 23:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.2#
43	156.2	11.8	17.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 0.004 ng

RT: 29.55 min Scan# 4418

Delta R.T. -0.02 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampled :

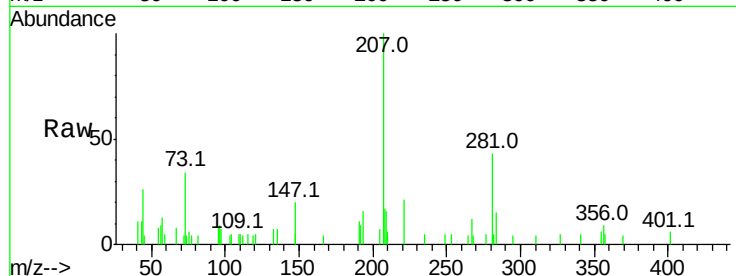
Tot Ion:276 Resp: 71

Ion Ratio Lower Upper

276 100

138 76.1 4.7 7.1#

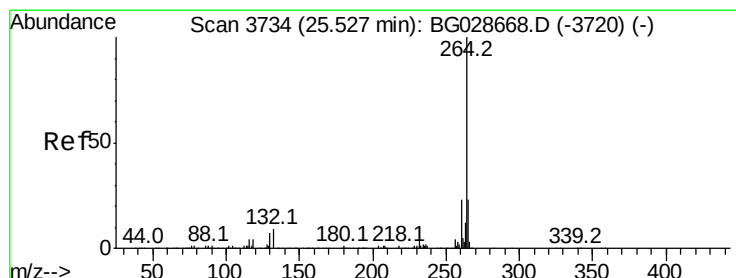
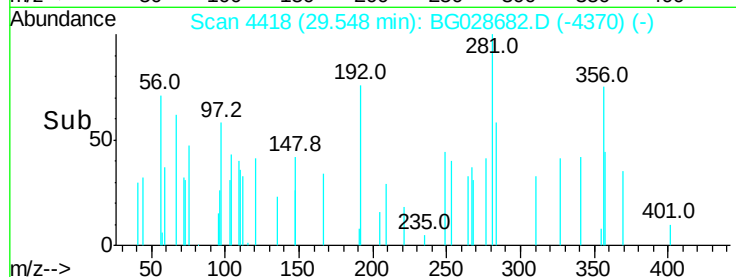
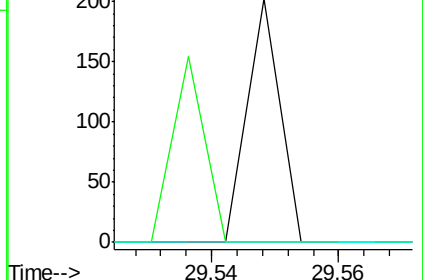
277 0.0 20.6 31.0#



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: 25.53 min Scan# 3734

Delta R.T. 0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

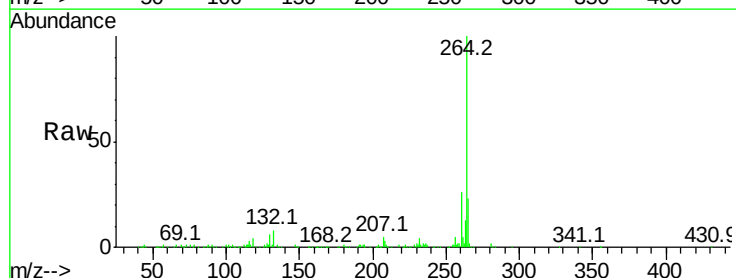
Tgt Ion:264 Resp: 283663

Ion Ratio Lower Upper

264 100

260 25.6 21.8 32.8

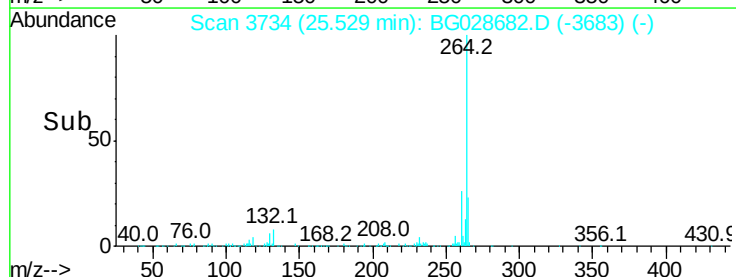
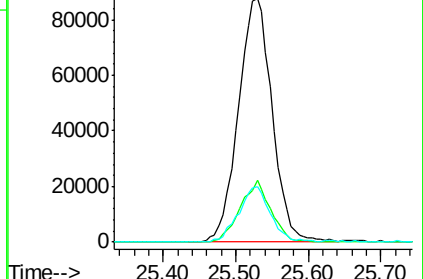
265 22.6 18.2 27.4

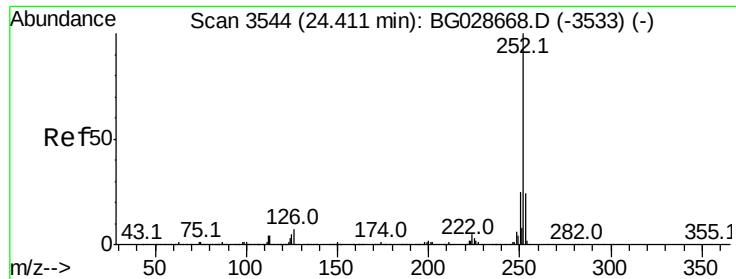


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

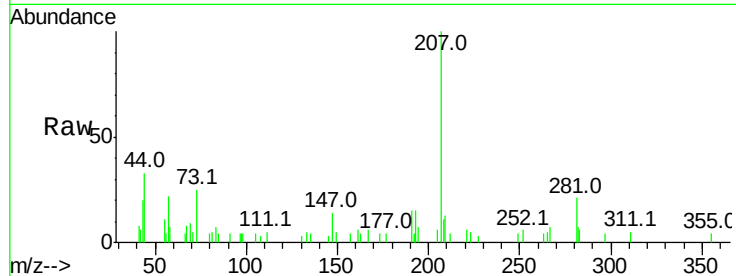




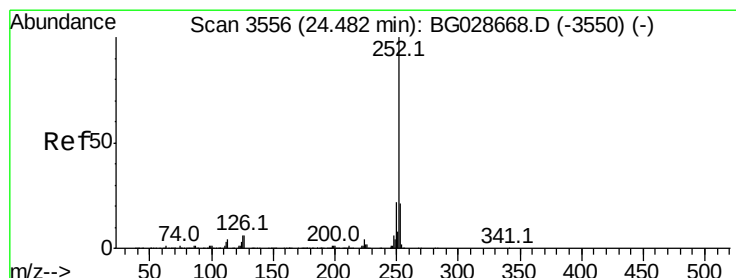
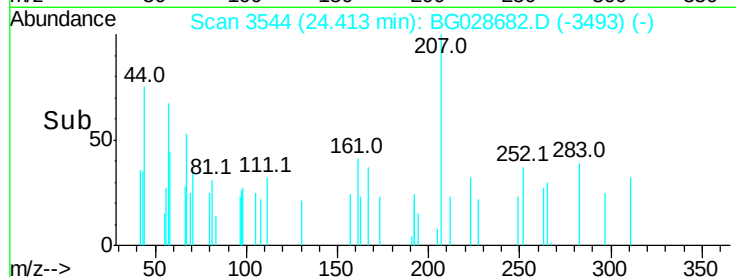
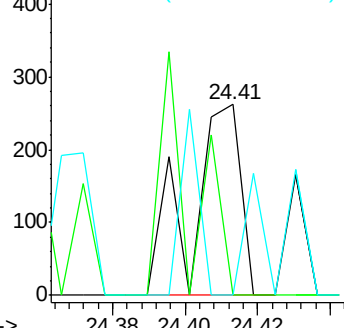
#87
Benzo(b)fluoranthene
Concen: 0.014 ng
RT: 24.41 min Scan# 3544
Delta R.T. 0.00 min
Lab File: BG028682.D
Acq: 12 Sep 2017 23:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.7	28.1#
125	0.0	5.3	7.9#

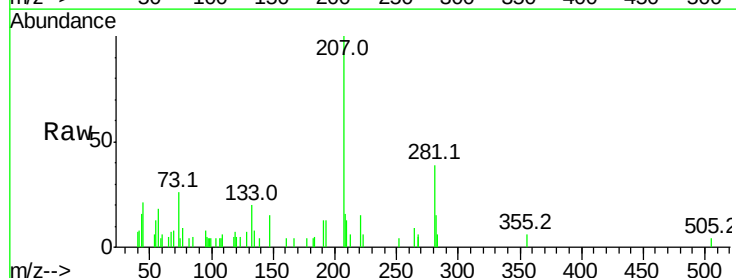


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

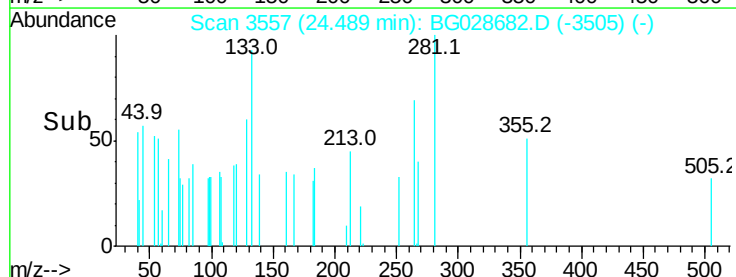
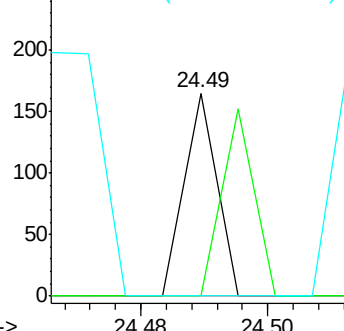


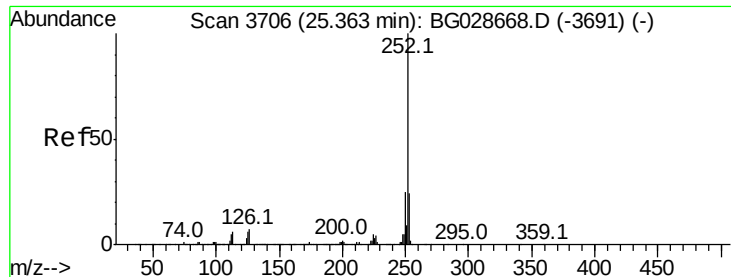
#88
Benzo(k)fluoranthene
Concen: 0.003 ng
RT: 24.49 min Scan# 3557
Delta R.T. 0.01 min
Lab File: BG028682.D
Acq: 12 Sep 2017 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	0.0	20.2	30.2#
125	0.0	5.1	7.7#



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





#89

Benzo(a)pyrene

Concen: 0.008 ng

RT: 25.33 min Scan# 3700

Delta R.T. -0.03 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampled :

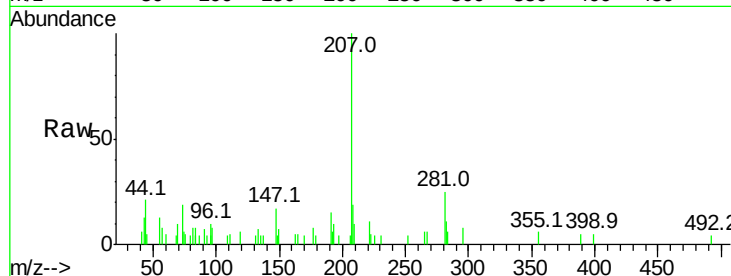
Tot Ion:252 Resp: 122

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

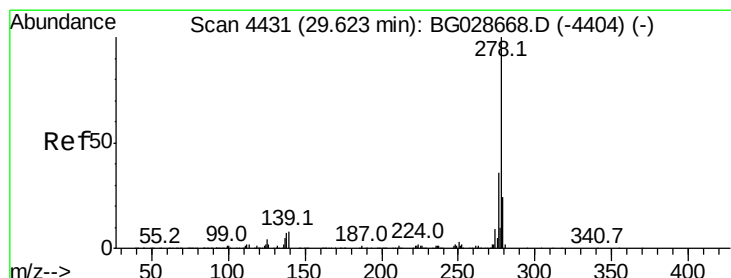
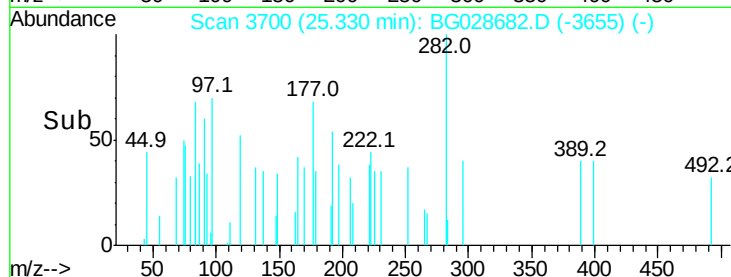
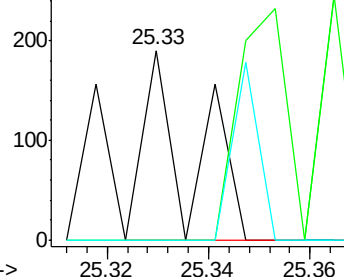
125 0.0 5.4 8.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 0.004 ng

RT: 29.71 min Scan# 4445

Delta R.T. 0.08 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

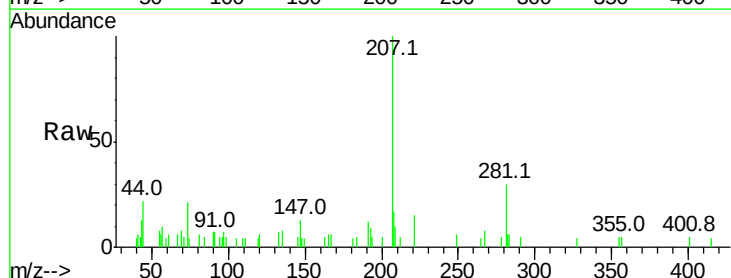
Tgt Ion:278 Resp: 67

Ion Ratio Lower Upper

278 100

139 0.0 7.7 11.5#

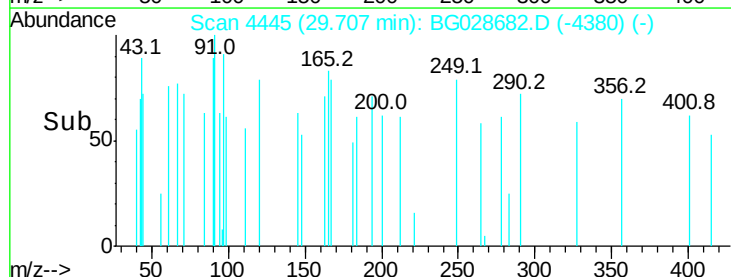
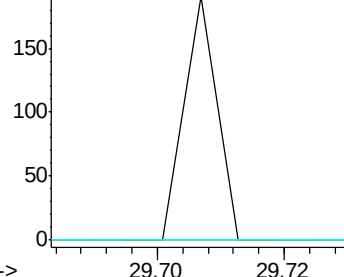
279 0.0 19.1 28.7#

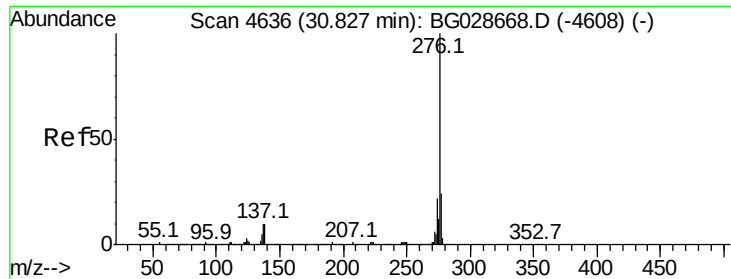


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.004 ng

RT: 30.82 min Scan# 4635

Delta R.T. -0.00 min

Lab File: BG028682.D

Acq: 12 Sep 2017 23:08

Instrument :

BNA_G

ClientSampleId :

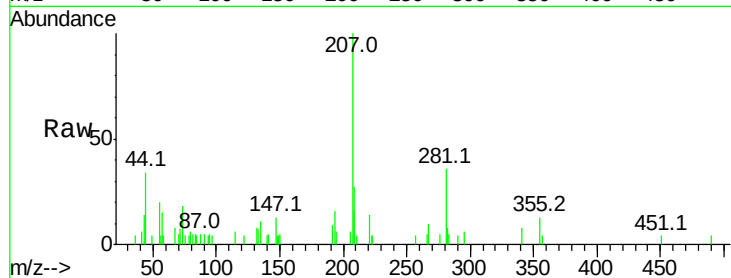
Tot Ion: 276 Resp: 68

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 0.0 8.1 12.1#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

