

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040918\
 Data File : BG033681.D
 Acq On : 9 Apr 2018 15:23
 Operator : SJ/JU
 Sample : J2227-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 10 05:56:19 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 05 17:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.86
21) Naphthalene-d8	11.42	136	142	20.00	ng	-0.32
38) Acenaphthene-d10	14.90	164	55477	20.00	ng	-0.58
63) Phenanthrene-d10	17.50	188	1925	20.00	ng	-0.71
75) Chrysene-d12	21.46	240	331	20.00	ng	-1.10
86) Perylene-d12	24.94	264	59	20.00	ng	-1.38
System Monitoring Compounds						
5) 2-Fluorophenol	6.28	112	378559	0.00	ng	0.00
7) Phenol-d6	7.97	99	579212	0.00	ng	0.00
23) Nitrobenzene-d5	10.06	82	363491	117607.43	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	19.91	244	66	4.26	ng	-0.82
Target Compounds						
					Qvalue	
22) Acetophenone	9.70	105	220857	56770.948	ng	# 97
24) Nitrobenzene	10.10	77	187058	56543.986	ng	96
25) Isophorone	10.62	82	354914	59166.005	ng	98
26) 2-Nitrophenol	10.62	139	6368	5084.376	ng	# 63
27) 2,4-Dimethylphenol	10.86	122	130342	71637.670	ng	87
28) bis(2-Chloroethoxy)methane	11.10	93	176353	58922.002	ng	97
29) 2,4-Dichlorophenol	11.37	162	137705	61542.028	ng	93
30) 1,2,4-Trichlorobenzene	11.59	180	151500	52112.886	ng	98
31) Naphthalene	11.79	128	413004	56126.303	ng	98
32) Benzoic acid	10.86	122	130342	77062.507	ng	# 14
33) 4-Chloroaniline	11.37	127	2279	691.284	ng	# 76
34) Hexachlorobutadiene	12.05	225	107762	49017.102	ng	98
35) Caprolactam	12.62	113	44047	50247.495	ng	# 86
36) 4-Chloro-3-methylphenol	12.96	107	175346	60083.321	ng	97
37) 2-Methylnaphthalene	13.34	142	302372	52941.608	ng	92
43) 2,4,5-Trichlorophenol	13.92	196	121560	88.085	ng	# 92
46) 2-Chloronaphthalene	13.93	162	11838	3.602	ng	# 61
48) Acenaphthylene	14.32	152	124723	22.737	ng	# 1
49) Dimethylnaphthalate	14.37	163	39514	8.184	ng	# 1
50) 2,6-Dinitrotoluene	14.37	165	11745	11.897	ng	# 1
52) 3-Nitroaniline	14.67	138	4517	4.364	ng	# 37
53) 2,4-Dinitrophenol	15.47	184	77	7.779	ng	# 1
54) Dibenzofuran	15.14	168	43539	8.335	ng	# 55
55) 4-Nitrophenol	15.37	139	4757	6.536	ng	# 1
56) 2,4-Dinitrotoluene	15.03	165	100435	69.097	ng	# 81
61) 4-Nitroaniline	15.87	138	10857	10.359	ng	# 20
62) Azobenzene	16.24	77	25917	5.707	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.01	198	7234	628.176	ng	# 37
65) n-Nitrosodiphenylamine	16.08	169	11949	217.428	ng	# 1
66) 4-Bromophenyl-phenylether	16.95	248	18260	807.701	ng	# 1
68) Atrazine	16.95	200	60	2.694	ng	# 1
70) Phenanthrene	17.50	178	1945	19.401	ng	# 1
71) Anthracene	17.62	178	584	5.753	ng	# 1
72) Carbazole	17.85	167	80426	894.099	ng	# 68

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

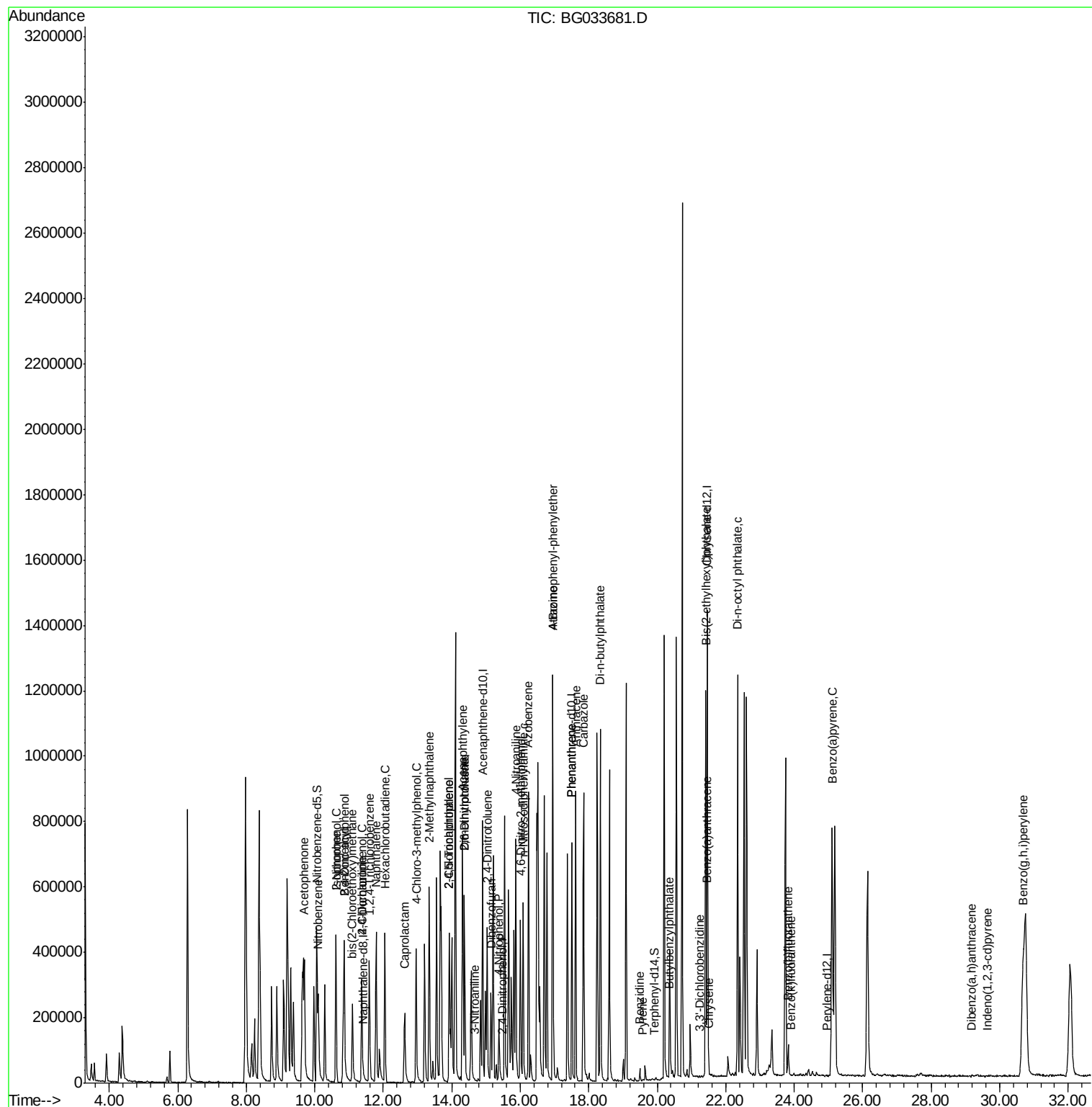
73) Di-n-butylphthalate	18.34	149	7437	71.031	nq	#	1
76) Benzidine	19.49	184	187	20.833	nq	#	1
77) Pyrene	19.57	202	112	5.073	nq	#	57
79) Butylbenzylphthalate	20.34	149	264	32.407	nq	#	9
80) Benzo(a)anthracene	21.44	228	57	2.704	nq	#	50
81) 3,3'-Dichlorobenzidine	21.23	252	79	10.533	nq	#	26
82) Chrysene	21.53	228	54	2.647	nq	#	49
83) Bis(2-ethylhexyl)phthalate	21.41	149	377959	33656.412	nq	#	51
84) Di-n-octyl phthalate	22.35	149	532685	30980.257	nq	#	71
85) Indeno(1,2,3-cd)pyrene	29.63	276	82	3.717	nq	#	34
87) Benzo(b)fluoranthene	23.83	252	113	33.150	nq	#	59
88) Benzo(k)fluoranthene	23.90	252	65	18.854	nq	#	60
89) Benzo(a)pyrene	25.10	252	905297	276554.147	nq	#	97
90) Dibenzo(a,h)anthracene	29.18	278	62	20.107	nq	#	1
91) Benzo(a,h,i)perylene	30.69	276	1026171	336075.553	nq	#	93

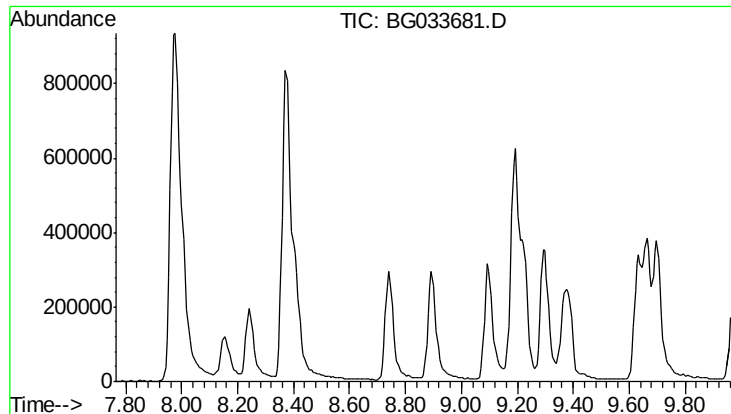
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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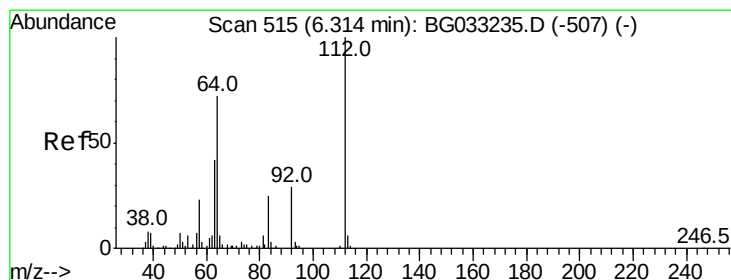
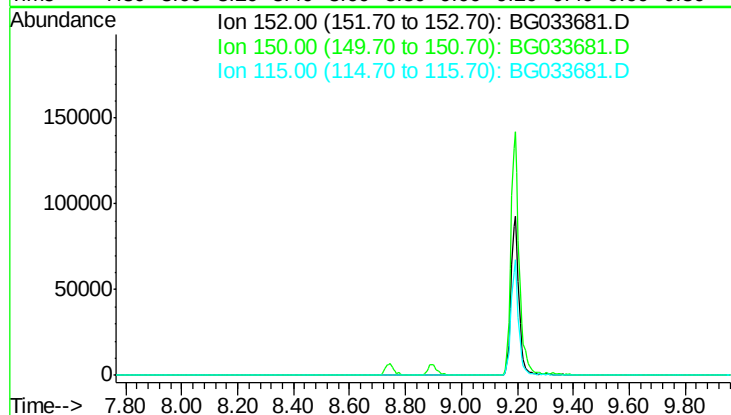




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 8.86 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

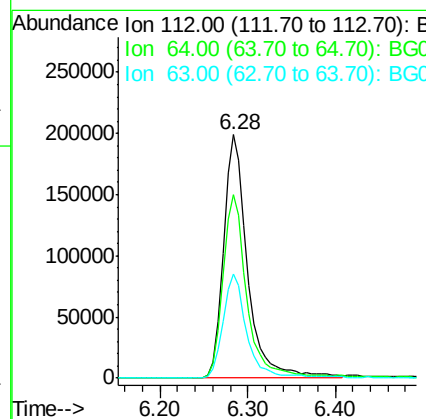
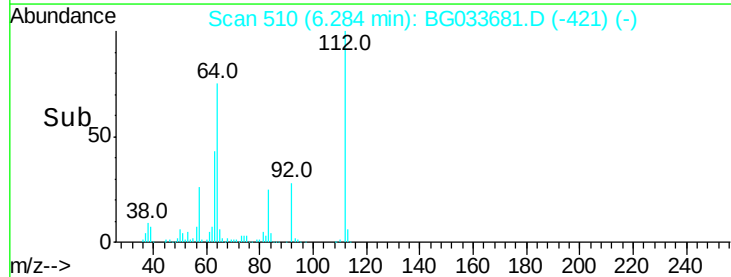
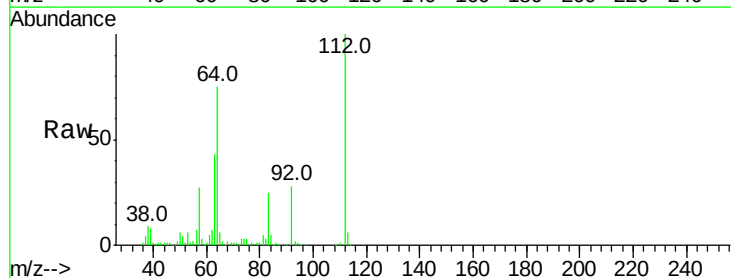
Instrument :
 BNA_G
 ClientSampleId :

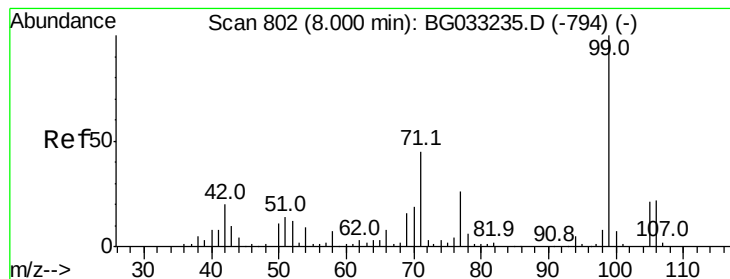
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 158.2
 115 66.2



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 6.28 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Tgt Ion:112 Resp: 378559
 Ion Ratio Lower Upper
 112 100
 64 75.1 56.3 84.5
 63 43.0 30.1 45.1





#7

Phenol-d6

Concen: 0.000 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.00 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

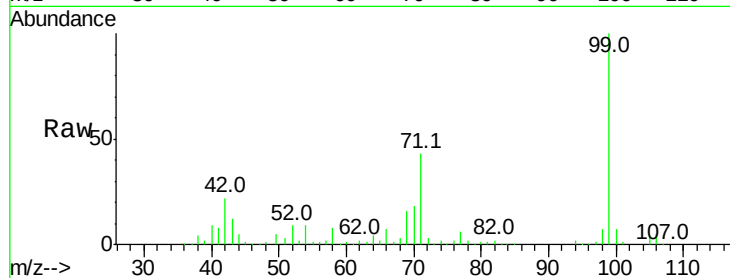
Tot Ion: 99 Resp: 579212

Ion Ratio Lower Upper

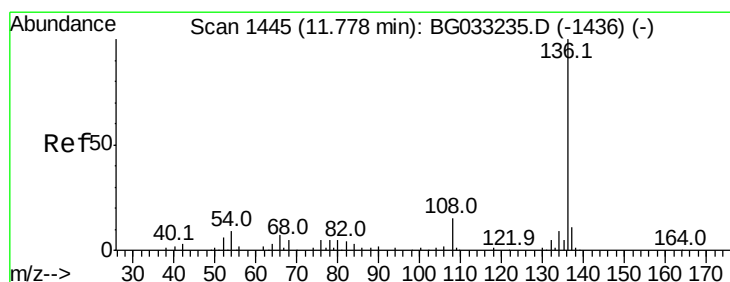
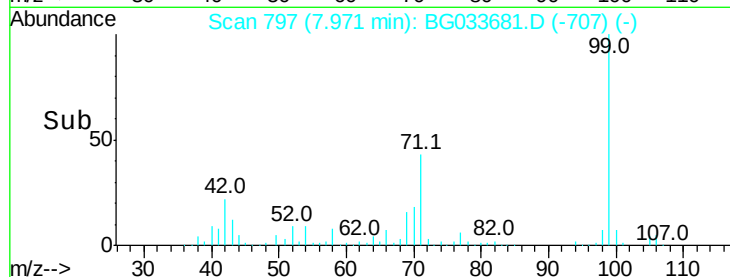
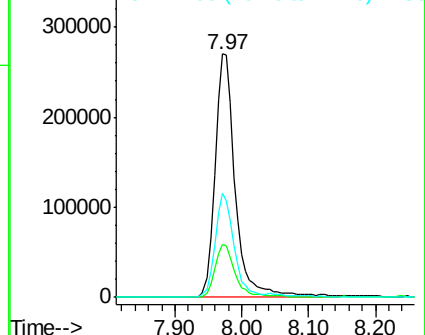
99 100

42 21.6 14.1 21.1#

71 42.7 26.1 39.1#



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.42 min Scan# 1384

Delta R.T. -0.32 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Tgt Ion: 136 Resp: 142

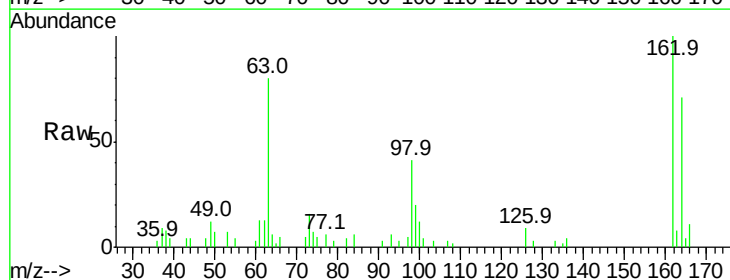
Ion Ratio Lower Upper

136 100

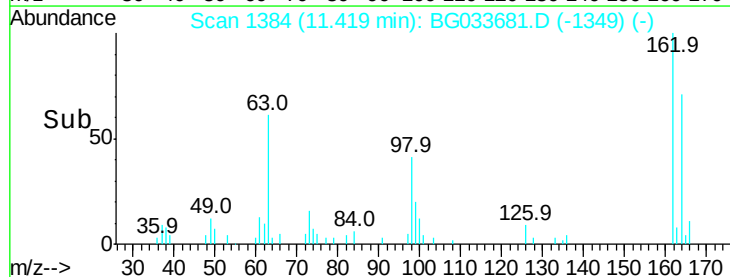
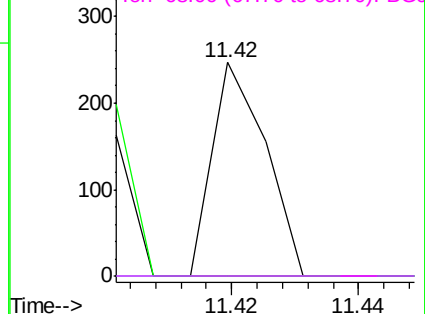
137 0.0 9.2 13.8#

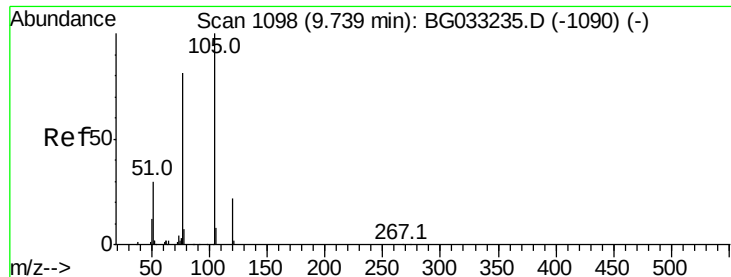
54 0.0 10.3 15.5#

68 0.0 4.5 6.7#



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





#22

Acetophenone

Concen: 56770.948 ng

RT: 9.70 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 220857

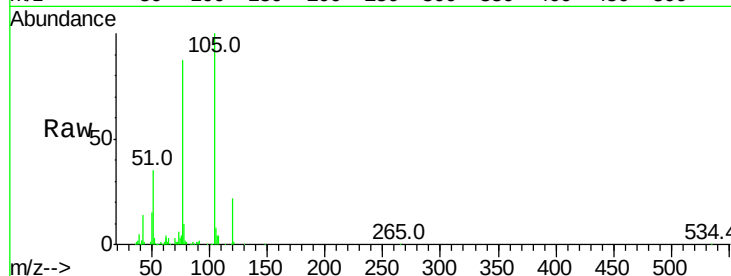
Ion Ratio Lower Upper

105 100

71 0.7 3.0 4.4#

51 34.6 26.1 39.1

120 21.7 17.4 26.2

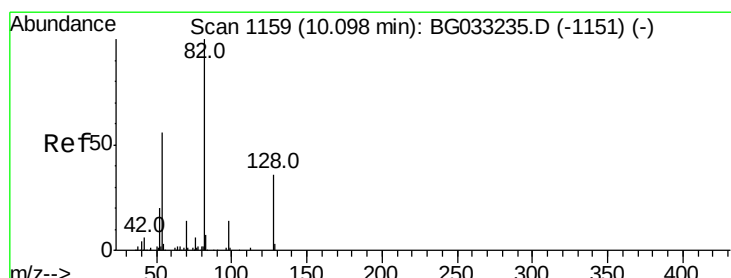
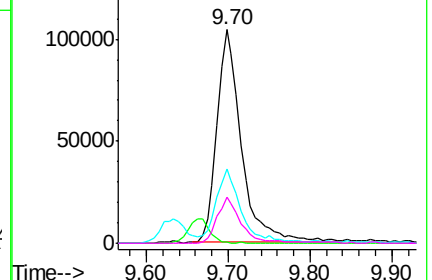
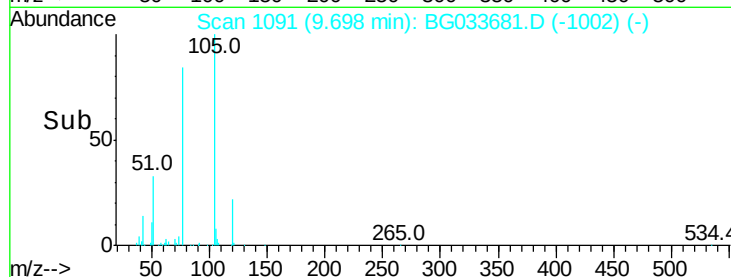


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 117607.429 ng

RT: 10.06 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

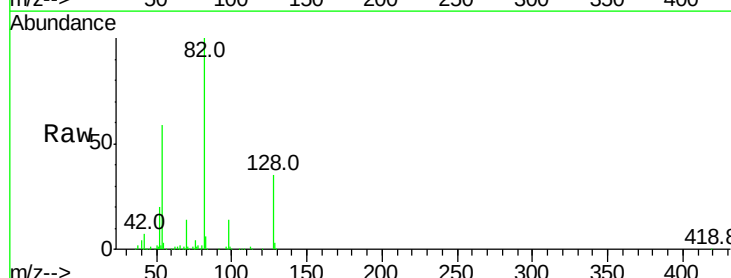
Tgt Ion: 82 Resp: 363491

Ion Ratio Lower Upper

82 100

128 35.2 29.7 44.5

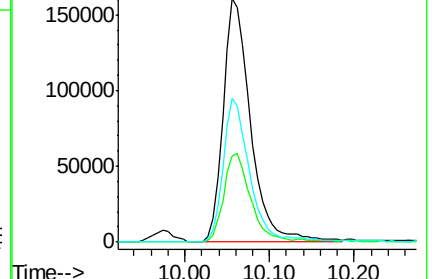
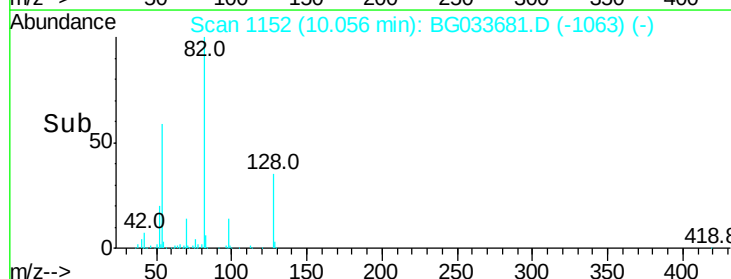
54 59.1 43.1 64.7

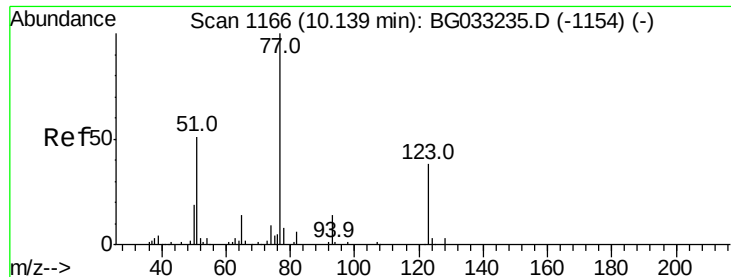


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

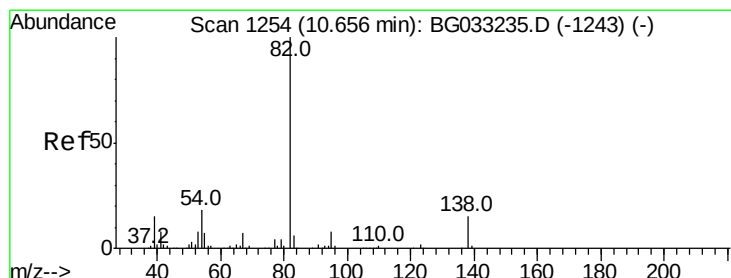
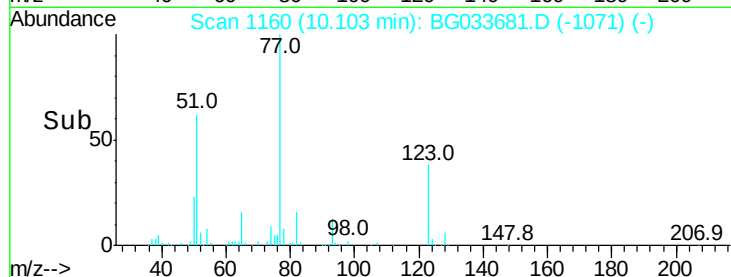
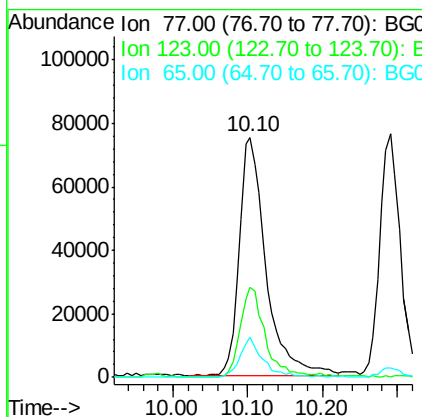
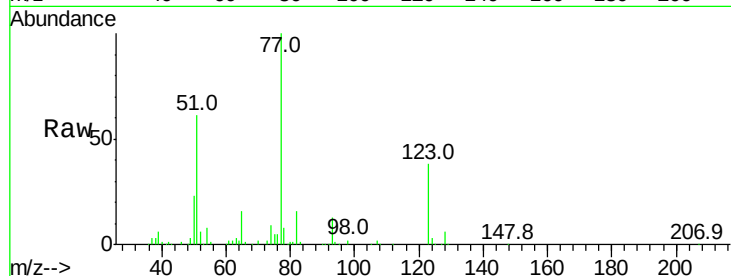




#24
Nitrobenzene
Concen: 56543.986 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

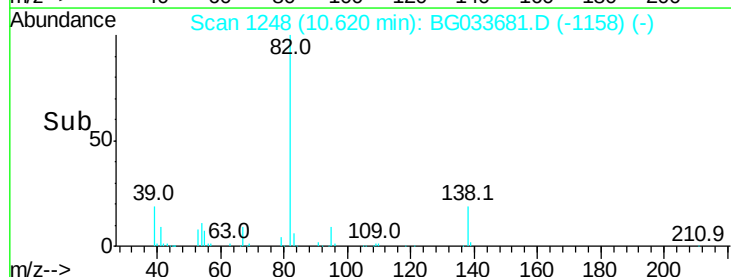
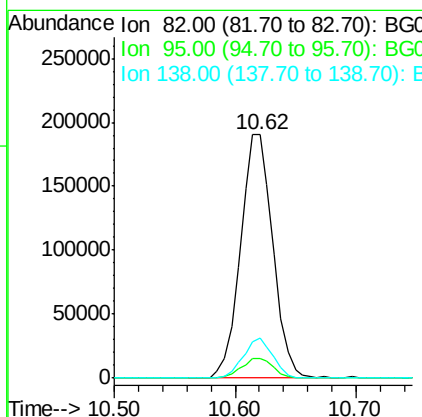
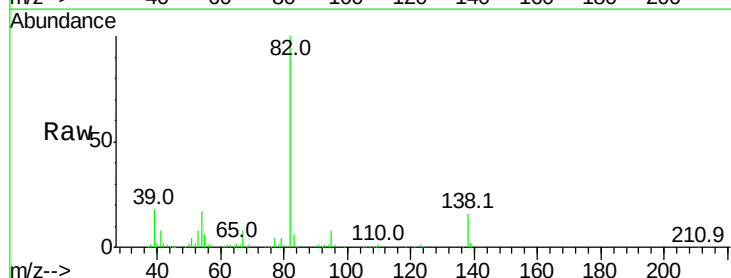
Instrument :
BNA_G
ClientSampleId :

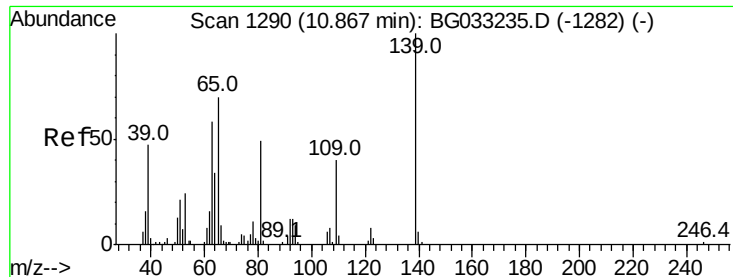
Tot Ion: 77 Resp: 187058
Ion Ratio Lower Upper
77 100
123 37.5 33.0 49.6
65 16.5 13.0 19.6



#25
Isophorone
Concen: 59166.005 ng
RT: 10.62 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

Tgt Ion: 82 Resp: 354914
Ion Ratio Lower Upper
82 100
95 8.0 6.2 9.2
138 16.5 12.1 18.1

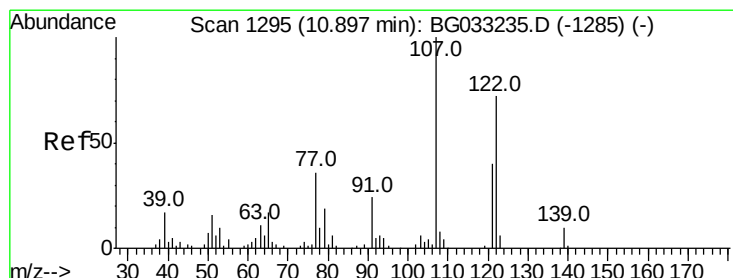
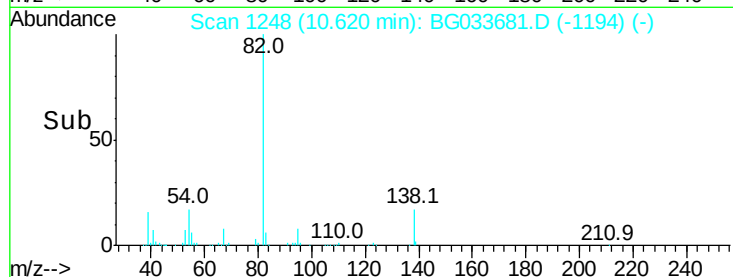
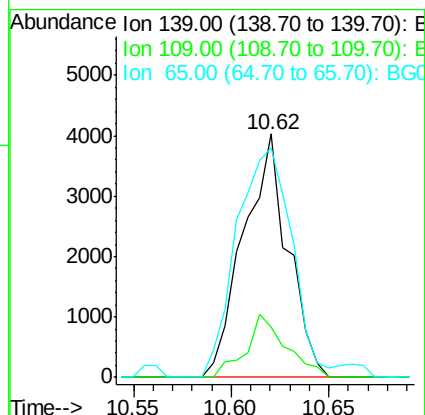
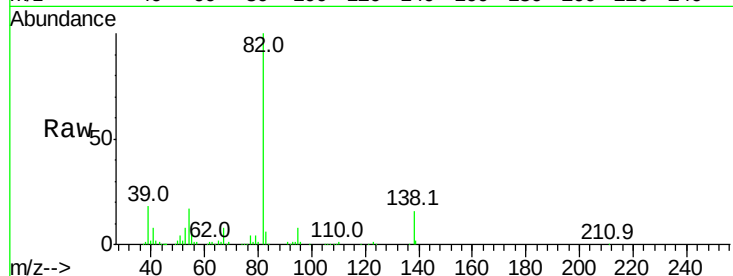




#26
2-Nitrophenol
Concen: 5084.376 ng
RT: 10.62 min Scan# 1248
Delta R.T. -0.21 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

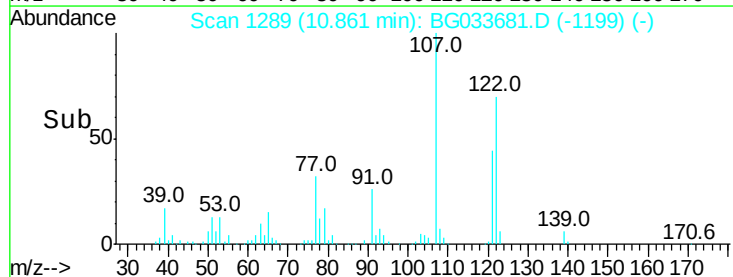
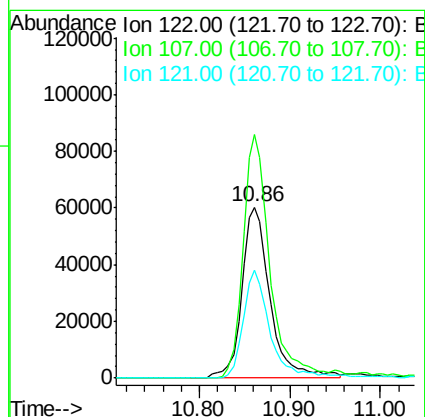
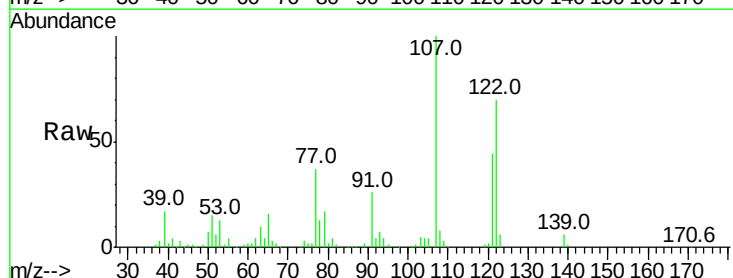
Instrument :
BNA_G
ClientSampled :

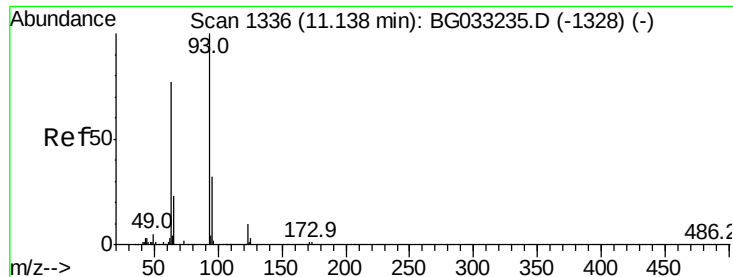
Tot Ion	Ratio	Lower	Upper
139	100		
109	20.5	24.2	36.2#
65	94.5	47.4	71.0#



#27
2,4-Dimethylphenol
Concen: 71637.670 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

Tgt Ion	Ratio	Lower	Upper
122	100		
107	142.2	100.2	150.2
121	63.0	44.4	66.6





#28

bis(2-Chloroethoxy)methane

Concen: 58922.002 ng

RT: 11.10 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

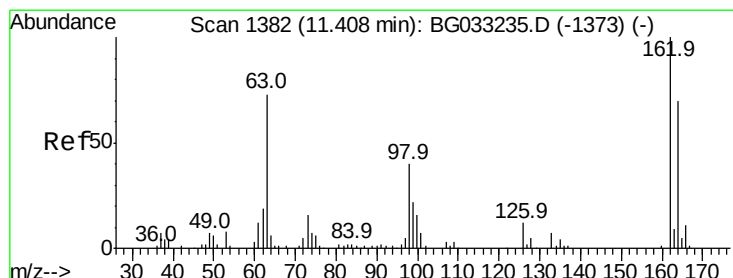
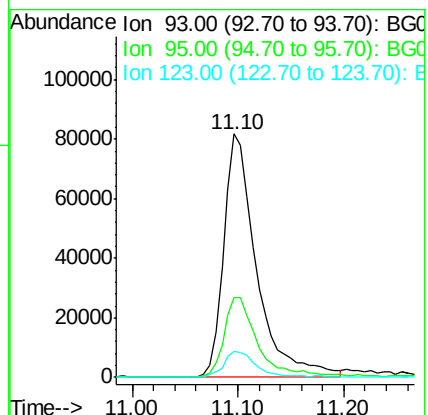
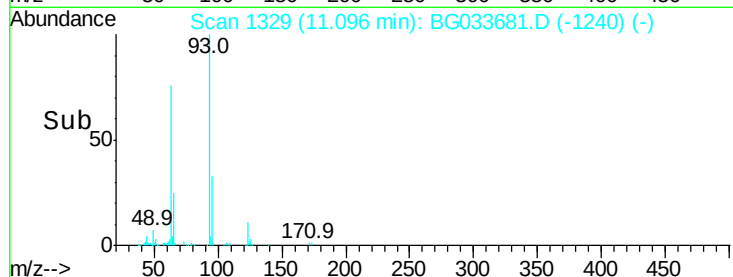
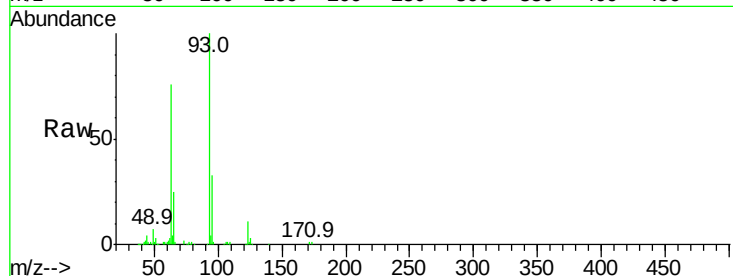
Tot Ion: 93 Resp: 176353

Ion Ratio Lower Upper

93 100

95 32.8 24.3 36.5

123 10.5 8.4 12.6



#29

2,4-Dichlorophenol

Concen: 61542.028 ng

RT: 11.37 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

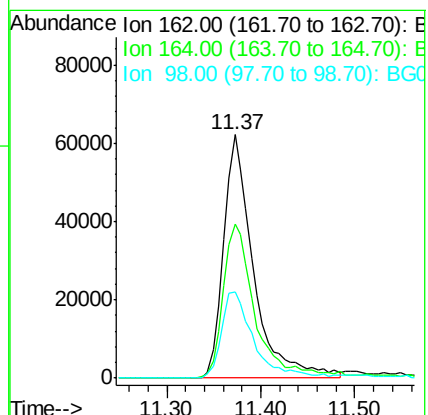
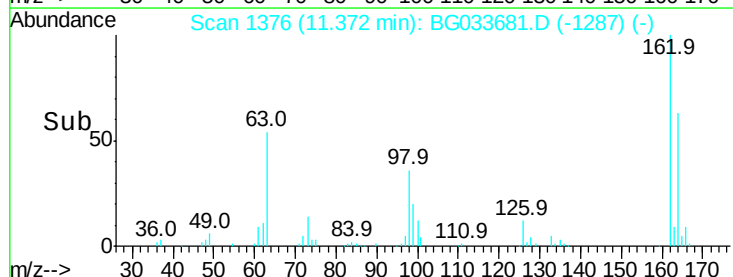
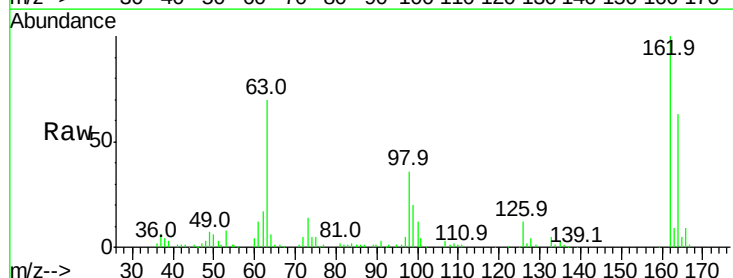
Tgt Ion:162 Resp: 137705

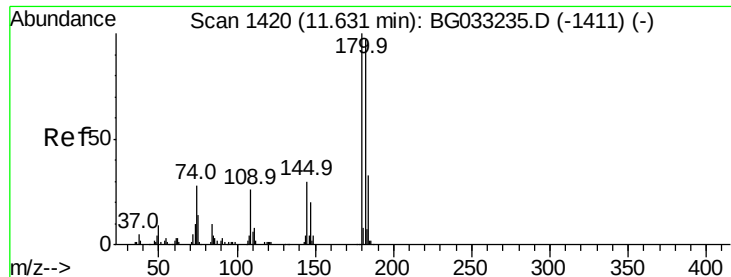
Ion Ratio Lower Upper

162 100

164 63.1 48.0 88.0

98 35.6 21.1 61.1

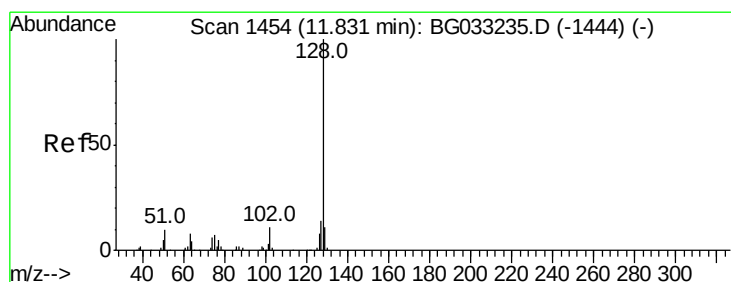
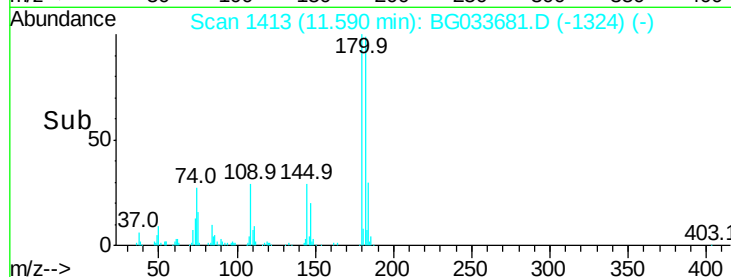
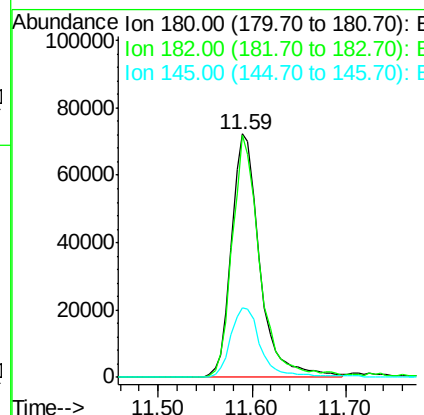
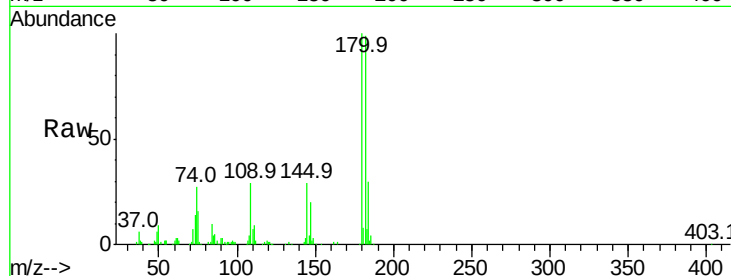




#30
 1,2,4-Trichlorobenzene
 Concen: 52112.886 ng
 RT: 11.59 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

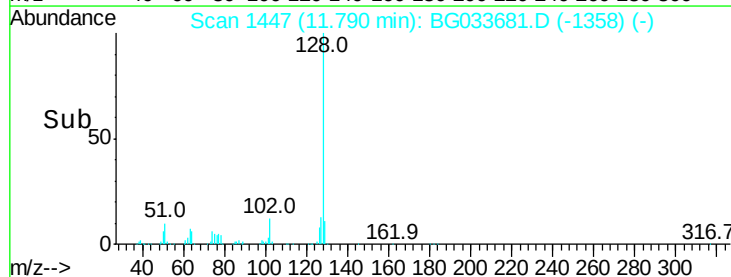
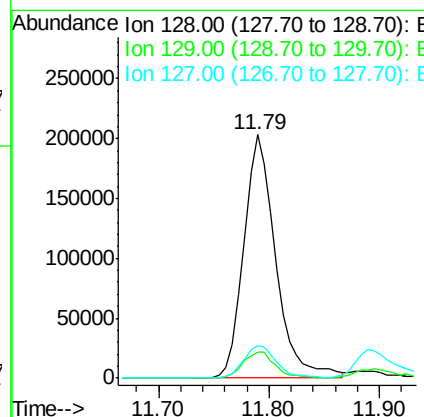
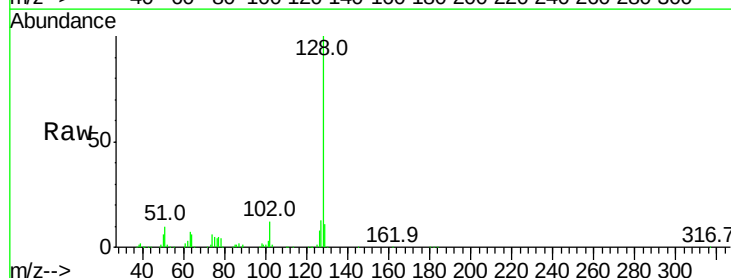
Instrument :
 BNA_G
 ClientSampleId :

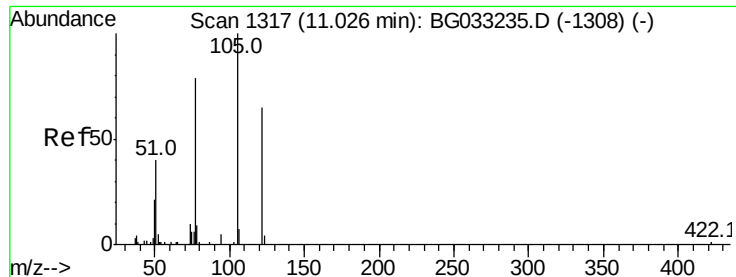
Tot Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.5	116.3
145	28.7	23.4	35.2



#31
 Naphthalene
 Concen: 56126.303 ng
 RT: 11.79 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.4	11.6	17.4





#32

Benzoic acid

Concen: 77062.507 ng

RT: 10.86 min Scan# 1289

Delta R.T. -0.14 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

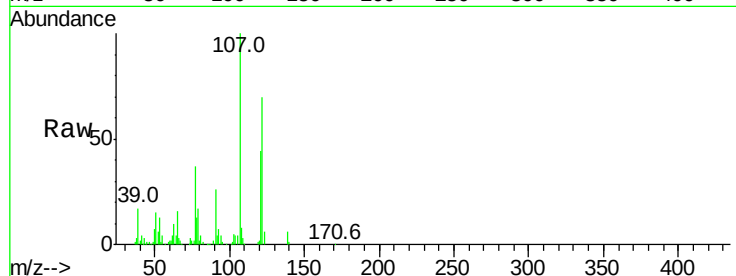
Tot Ion:122 Resp: 130342

Ion Ratio Lower Upper

122 100

105 5.1 123.5 163.5#

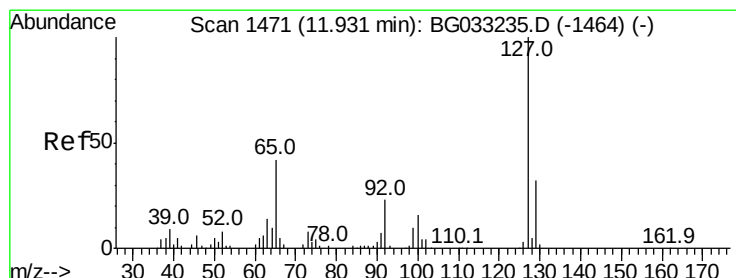
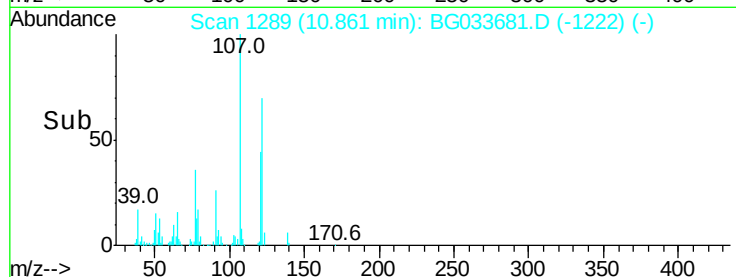
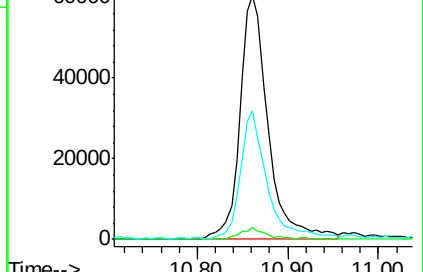
77 52.9 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#33

4-Chloroaniline

Concen: 691.284 ng

RT: 11.37 min Scan# 1376

Delta R.T. -0.52 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Tgt Ion:127 Resp: 2279

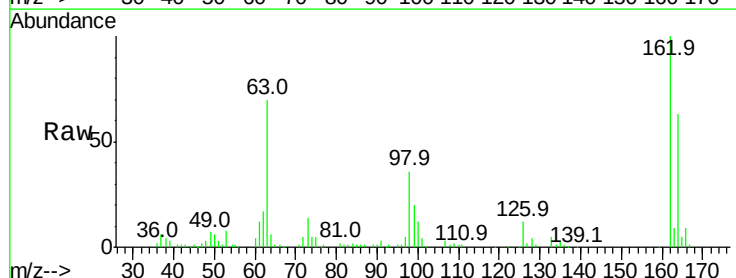
Ion Ratio Lower Upper

127 100

129 28.6 24.0 36.0

65 59.3 27.0 40.4#

92 11.5 16.6 25.0#

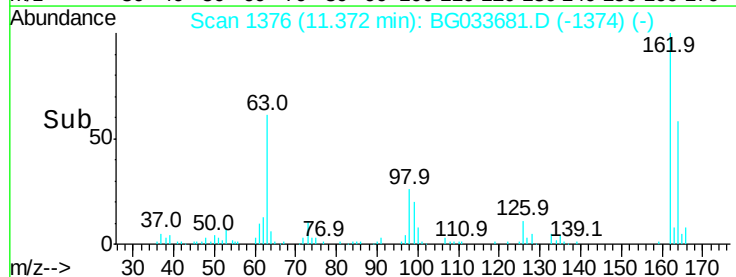
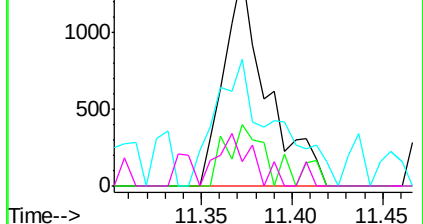


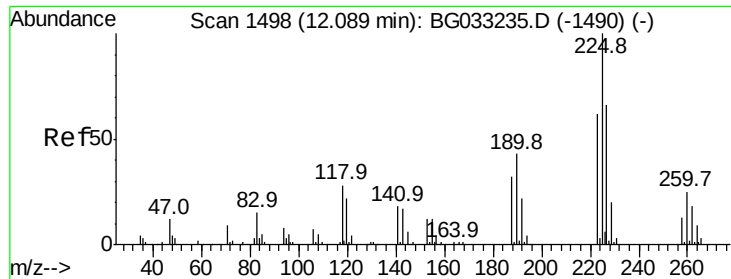
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

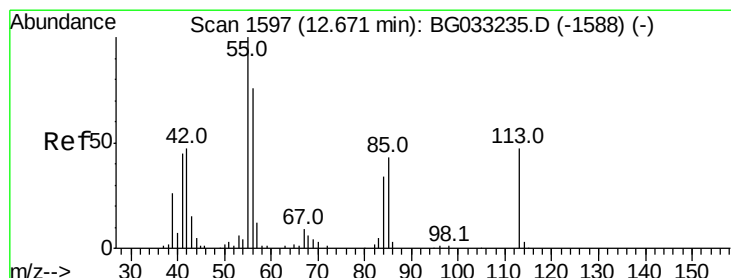
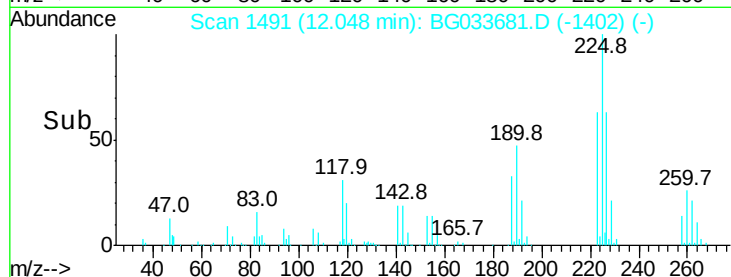
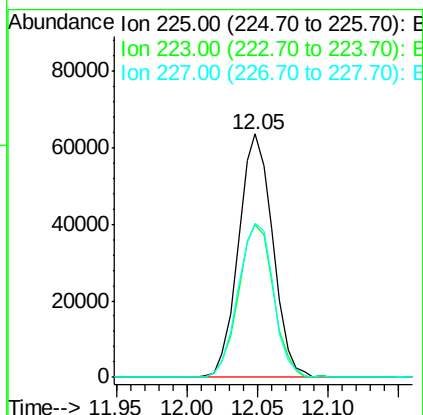
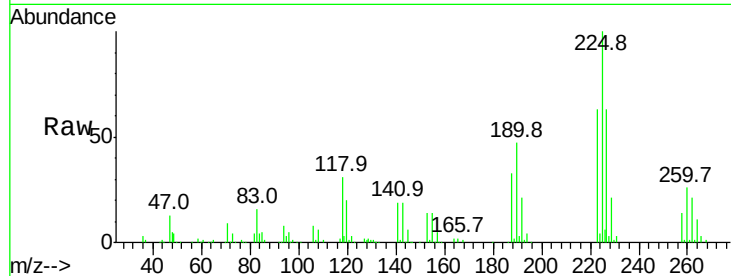




#34
Hexachlorobutadiene
Concen: 49017.102 ng
RT: 12.05 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

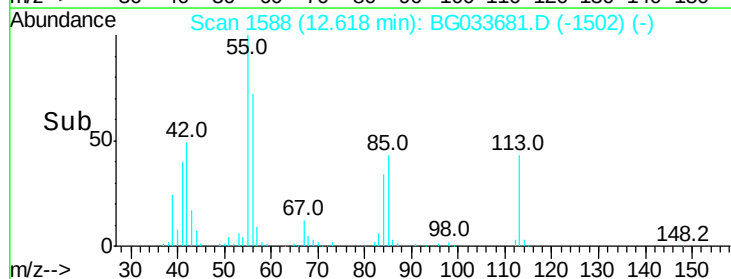
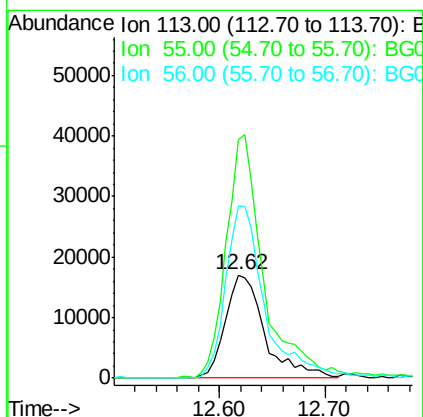
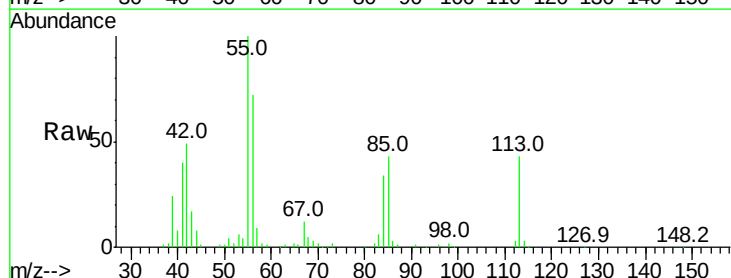
Instrument :
BNA_G
ClientSampleId :

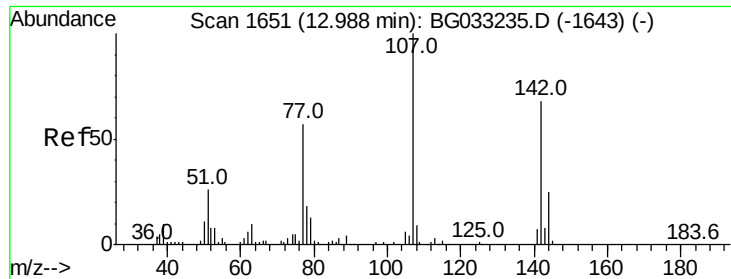
Tot Ion:225 Resp: 107762
Ion Ratio Lower Upper
225 100
223 62.6 49.7 74.5
227 63.2 48.1 72.1



#35
Caprolactam
Concen: 50247.495 ng
RT: 12.62 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

Tgt Ion:113 Resp: 44047
Ion Ratio Lower Upper
113 100
55 231.0 186.9 226.9#
56 166.2 130.9 170.9

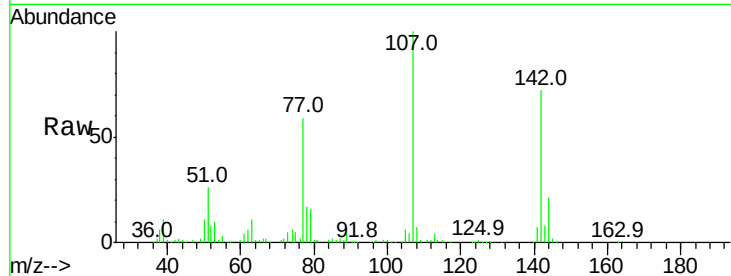




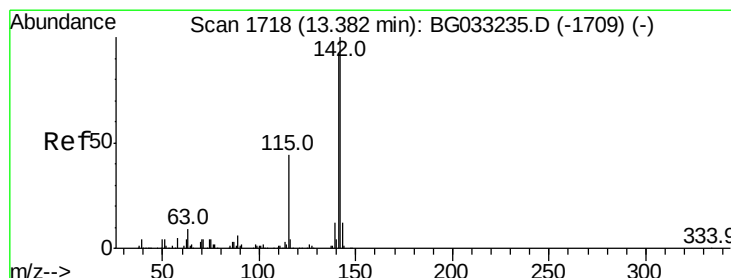
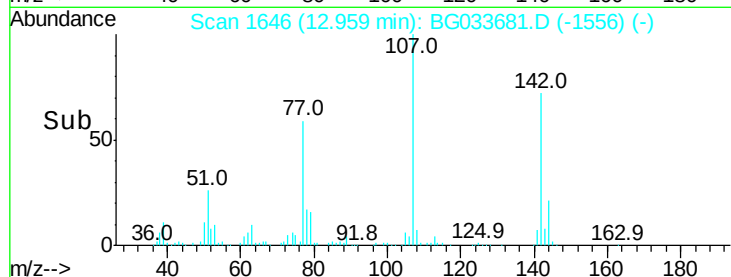
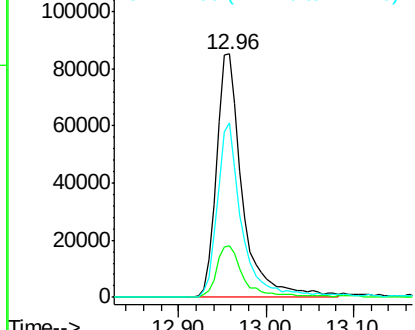
#36
 4-Chloro-3-methylphenol
 Concen: 60083.321 ng
 RT: 12.96 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:107 Resp: 175346
 Ion Ratio Lower Upper
 107 100
 144 21.3 18.2 27.4
 142 71.5 59.0 88.4

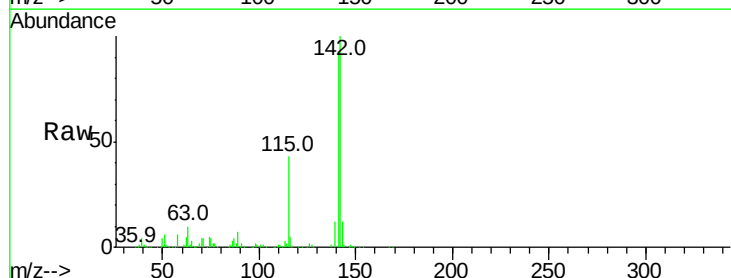


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

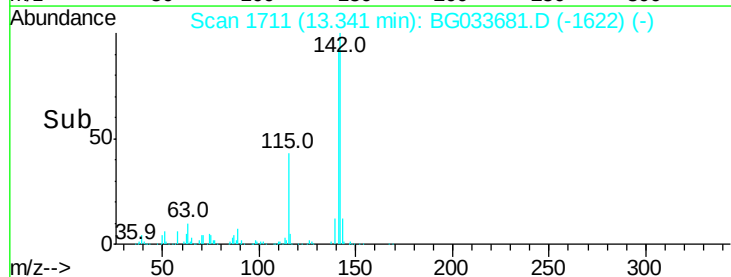
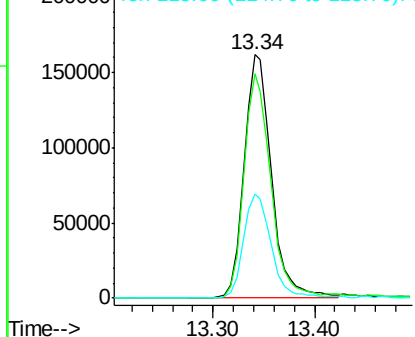


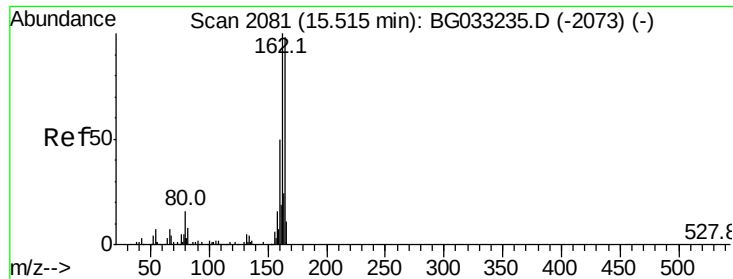
#37
 2-Methylnaphthalene
 Concen: 52941.608 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Tgt Ion:142 Resp: 302372
 Ion Ratio Lower Upper
 142 100
 141 92.2 67.1 100.7
 115 42.6 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.90 min Scan# 1976

Delta R.T. -0.58 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

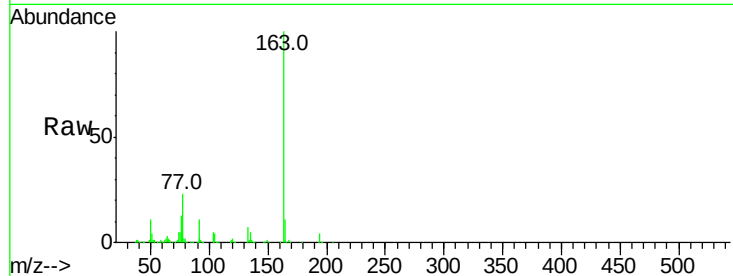
Tot Ion:164 Resp: 55477

Ion Ratio Lower Upper

164 100

162 0.0 78.8 118.2#

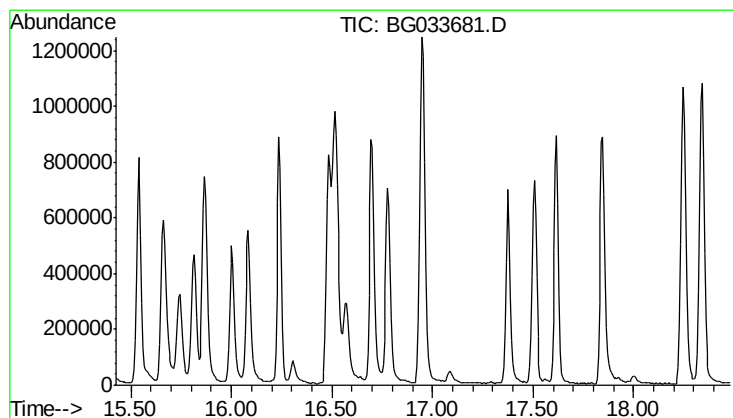
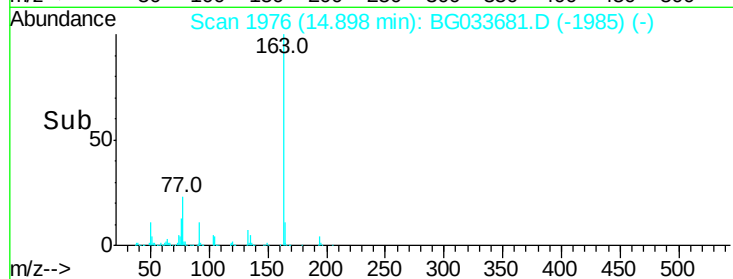
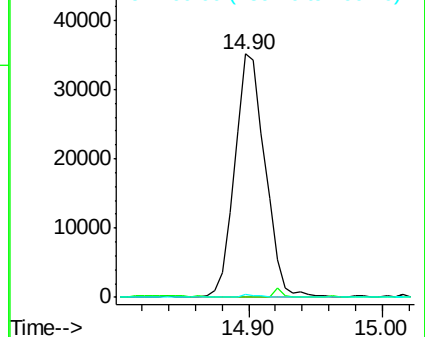
160 1.4 35.4 53.0#



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: 0.000 ng

Expected RT: 16.95 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

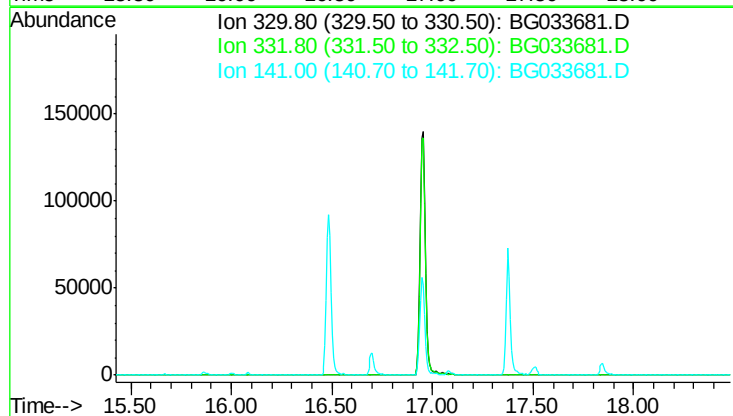
Tgt Ion: 330

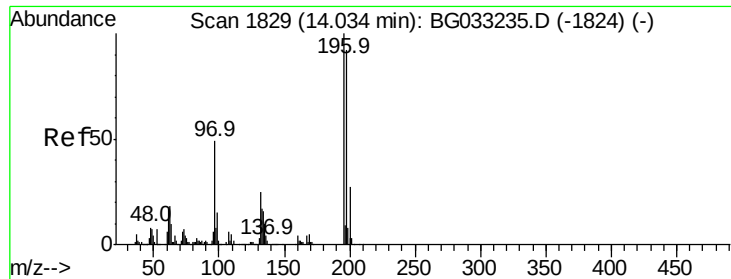
Sig Exp Ratio

330 100

332 96.3

141 31.5

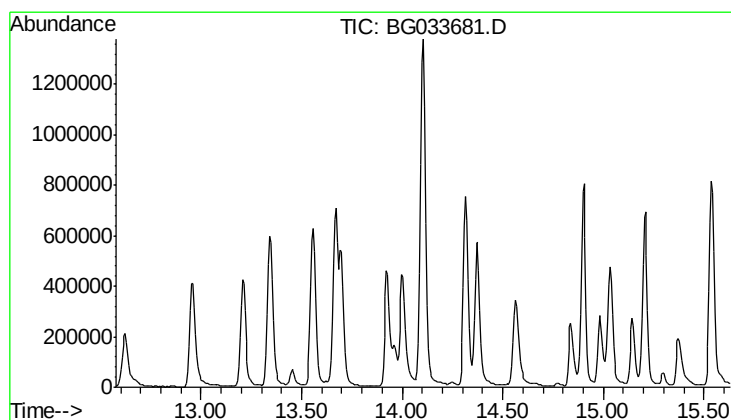
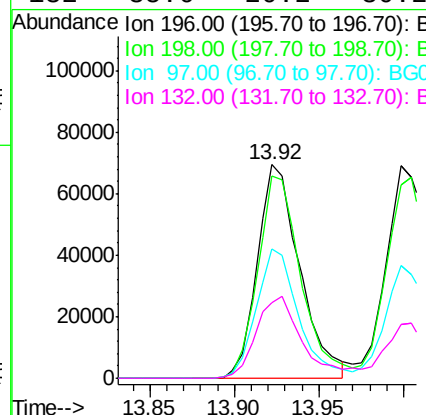
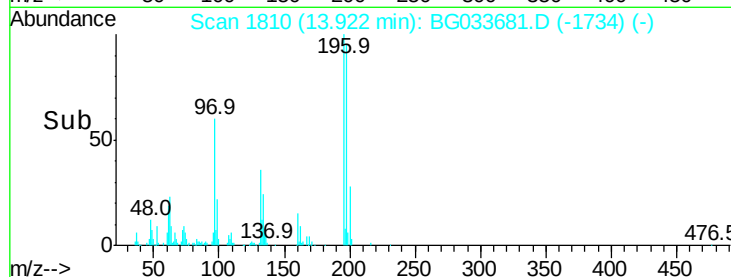
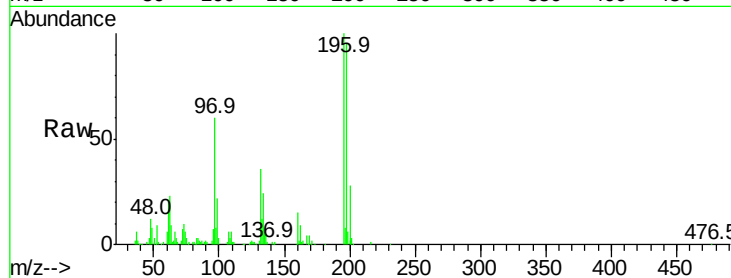




#43
 2,4,5-Trichlorophenol
 Concen: 88.085 ng
 RT: 13.92 min Scan# 1810
 Delta R.T. -0.08 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

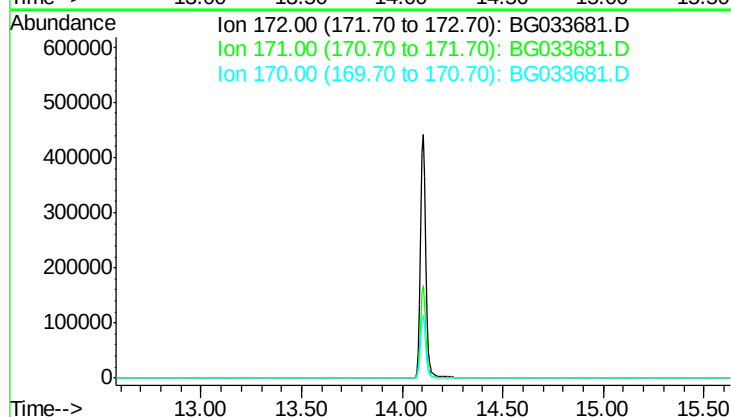
Instrument :
 BNA_G
 ClientSampleId :

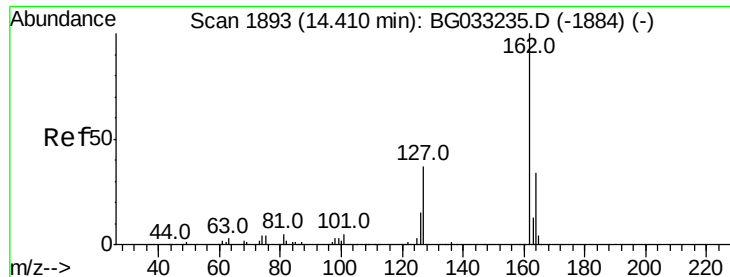
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.2	114.4
97	60.4	38.7	58.1#
132	35.6	20.2	30.2#



#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 14.10 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Tgt Ion	Sig	Exp Ratio
172	100	
171	37.5	
170	24.4	

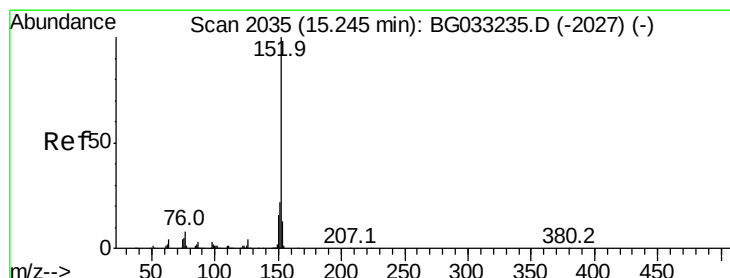
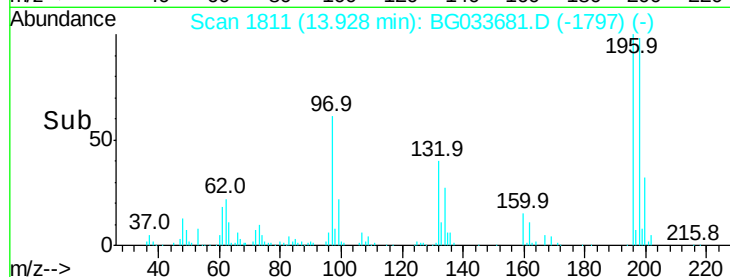
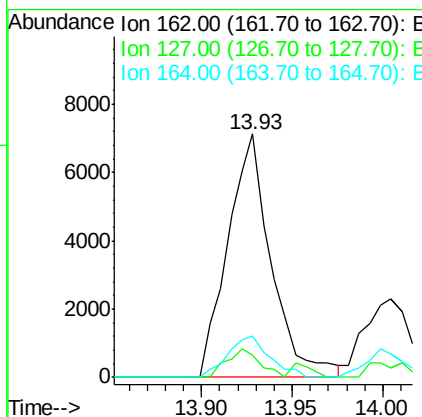
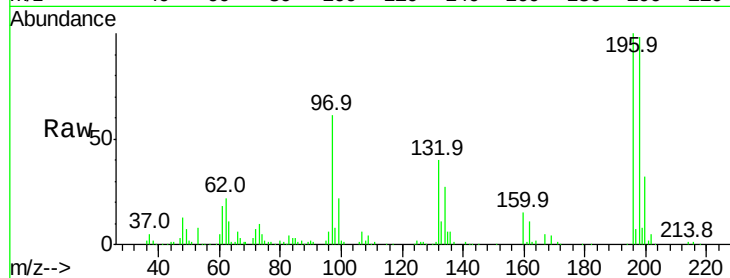




#46
 2-Chloronaphthalene
 Concen: 3.602 ng
 RT: 13.93 min Scan# 1811
 Delta R.T. -0.45 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

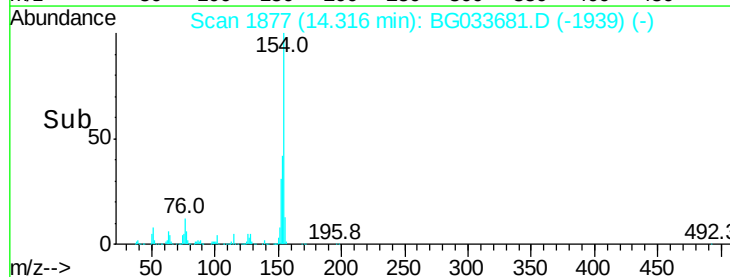
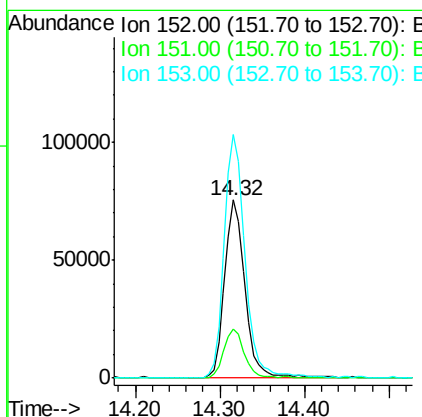
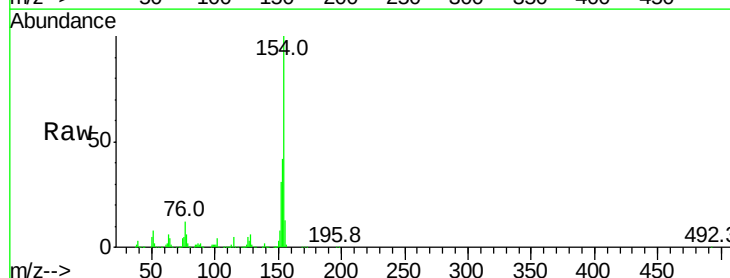
Instrument :
 BNA_G
 ClientSampleId :

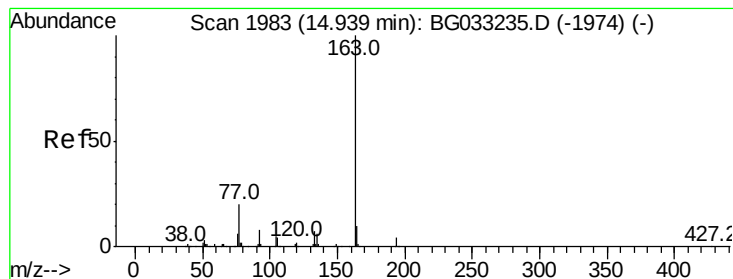
Tot Ion:162 Resp: 11838
 Ion Ratio Lower Upper
 162 100
 127 9.1 30.7 46.1#
 164 17.2 26.0 39.0#



#48
 Acenaphthylene
 Concen: 22.737 ng
 RT: 14.32 min Scan# 1877
 Delta R.T. -0.89 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Tgt Ion:152 Resp: 124723
 Ion Ratio Lower Upper
 152 100
 151 27.6 17.2 25.8#
 153 136.7 10.2 15.4#





#49

Dimethylphthalate

Concen: 8.184 ng

RT: 14.37 min Scan# 1887

Delta R.T. -0.53 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

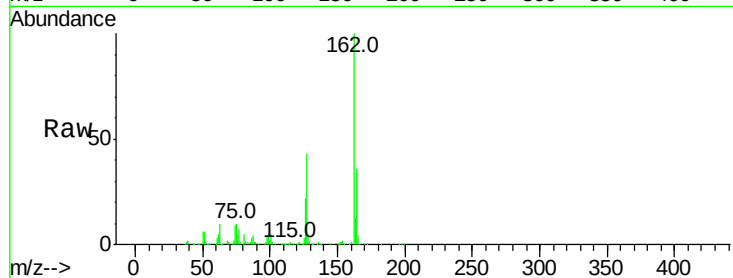
Tot Ion:163 Resp: 39514

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

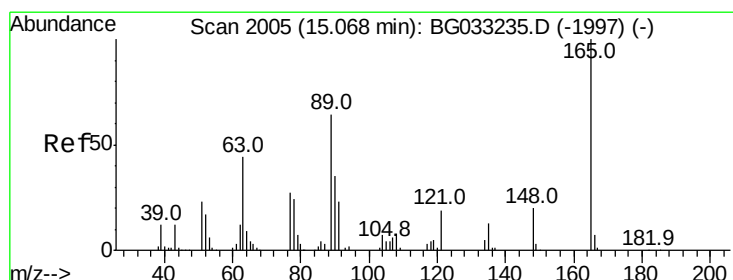
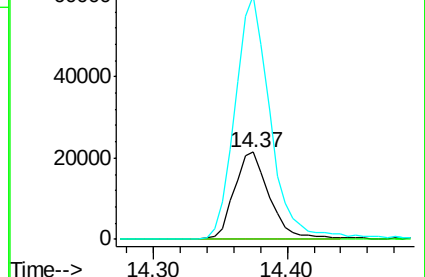
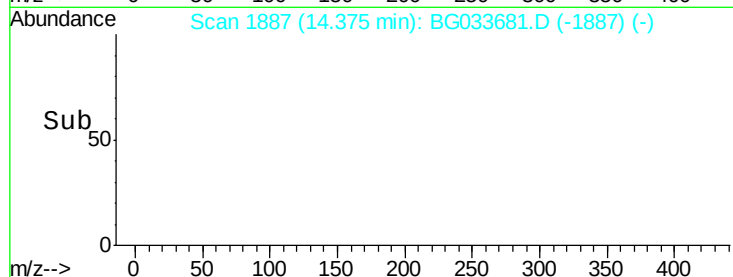
164 279.0 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 11.897 ng

RT: 14.37 min Scan# 1886

Delta R.T. -0.67 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

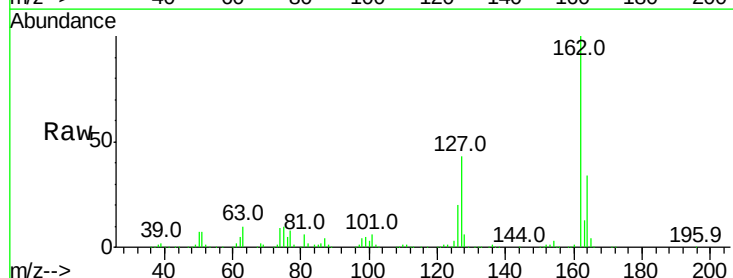
Tgt Ion:165 Resp: 11745

Ion Ratio Lower Upper

165 100

63 234.6 52.7 79.1#

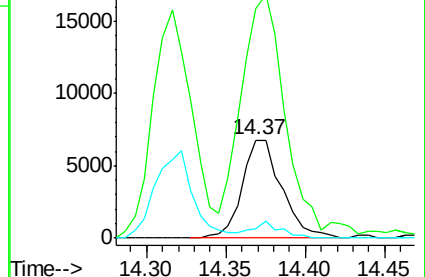
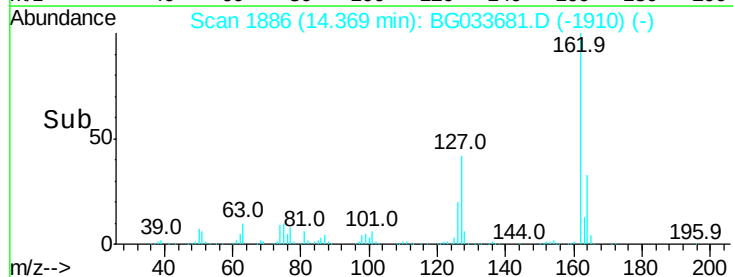
89 9.3 49.2 73.8#

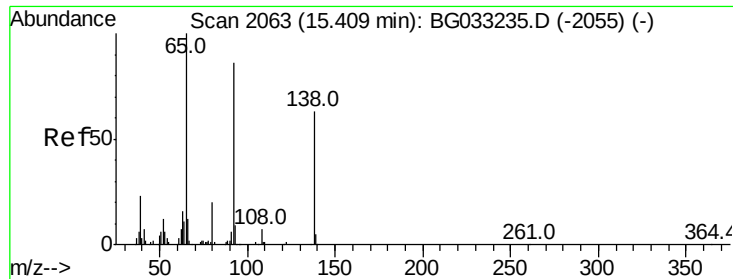


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 4.364 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.71 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

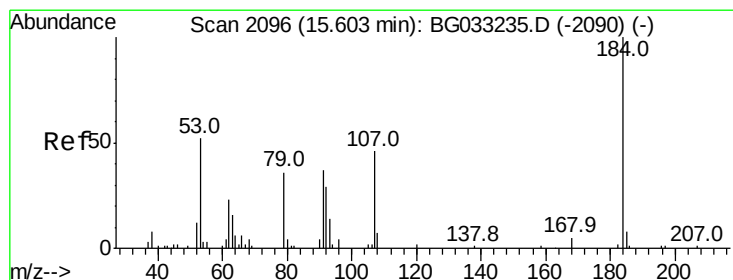
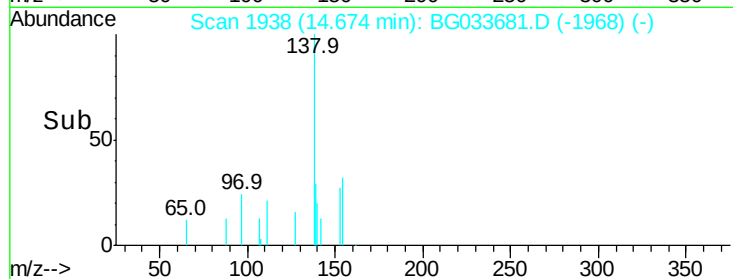
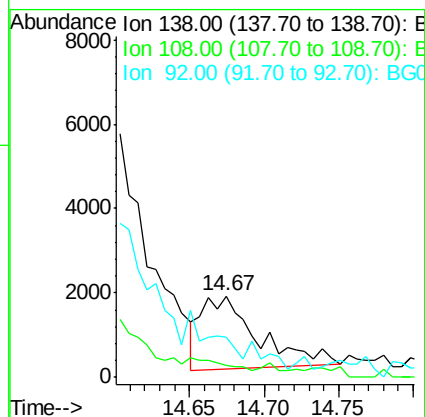
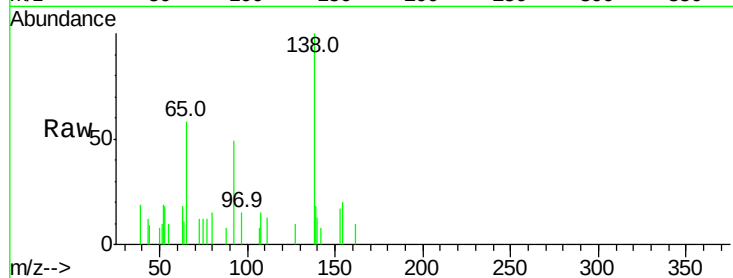
Tot Ion:138 Resp: 4517

Ion Ratio Lower Upper

138 100

108 15.1 17.5 26.3#

92 49.3 105.8 158.8#



#53

2,4-Dinitrophenol

Concen: 7.779 ng

RT: 15.47 min Scan# 2074

Delta R.T. -0.11 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

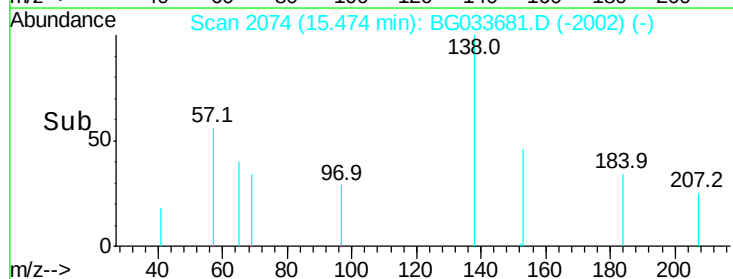
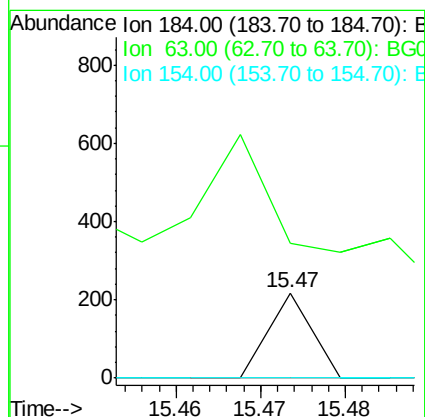
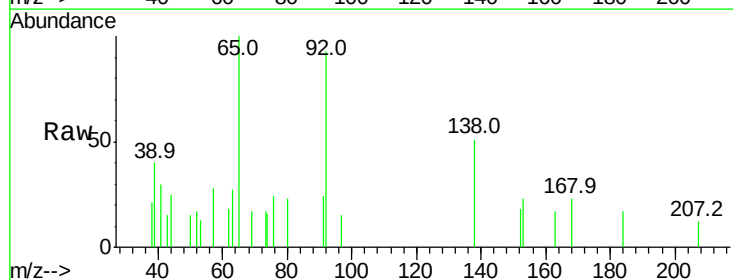
Tgt Ion:184 Resp: 77

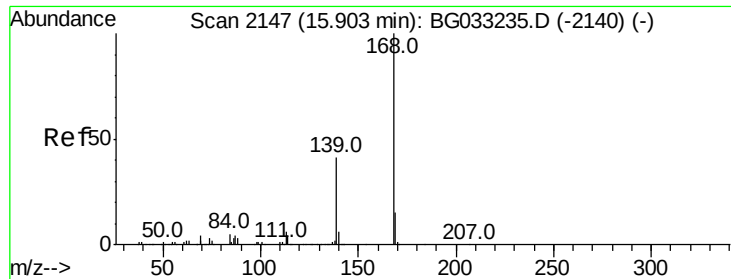
Ion Ratio Lower Upper

184 100

63 157.8 59.8 89.8#

154 0.0 101.8 152.8#





#54

Dibenzenofuran

Concen: 8.335 ng

RT: 15.14 min Scan# 2018

Delta R.T. -0.73 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

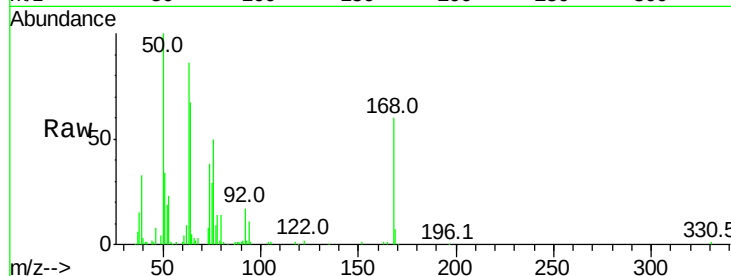
Tot Ion:168 Resp: 43539

Ion Ratio Lower Upper

168 100

139 0.0 28.6 43.0#

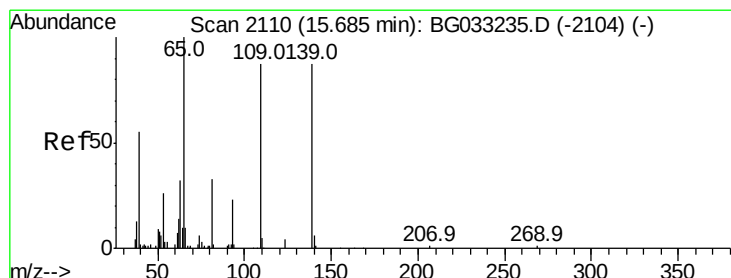
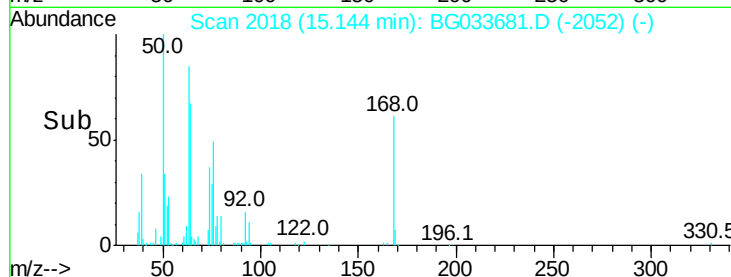
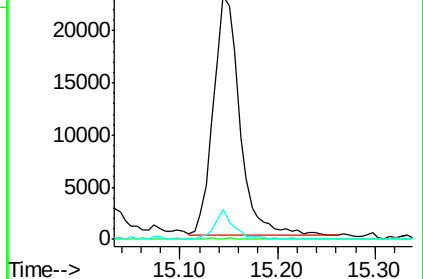
169 12.0 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 6.536 ng

RT: 15.37 min Scan# 2057

Delta R.T. -0.29 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

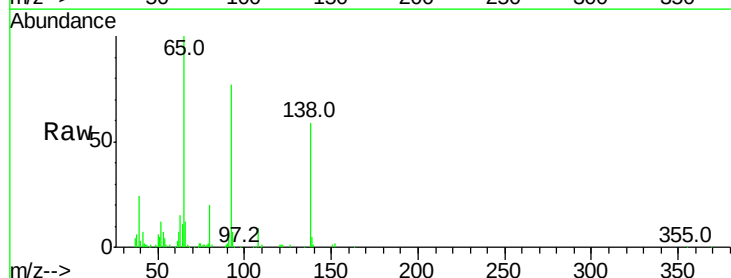
Tgt Ion:139 Resp: 4757

Ion Ratio Lower Upper

139 100

109 8.1 62.2 102.2#

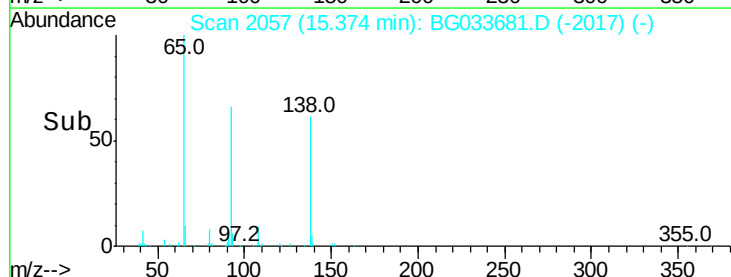
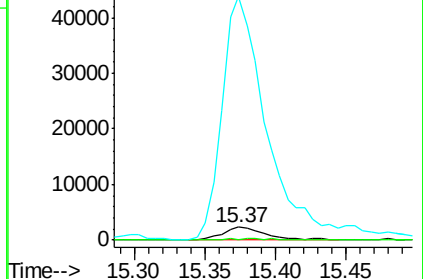
65 1930.9 97.2 137.2#

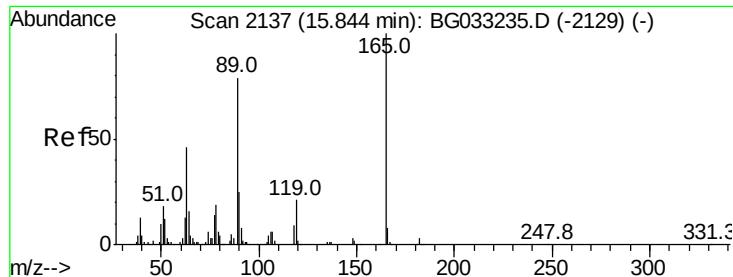


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 69.097 ng

RT: 15.03 min Scan# 1999

Delta R.T. -0.78 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 100435

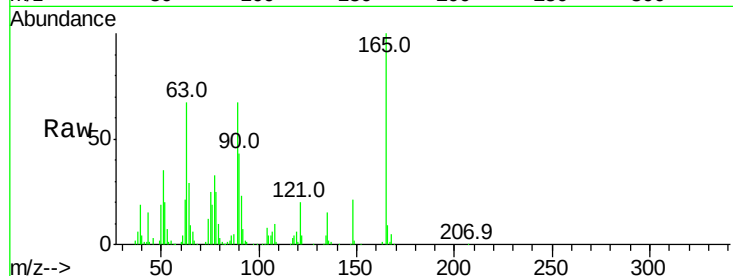
Ion Ratio Lower Upper

165 100

63 66.8 42.0 63.0#

89 67.3 66.9 100.3

182 0.0 2.6 3.8#

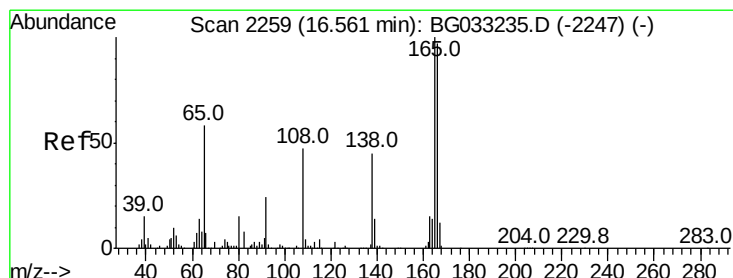
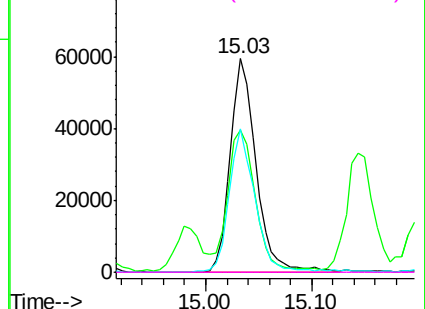
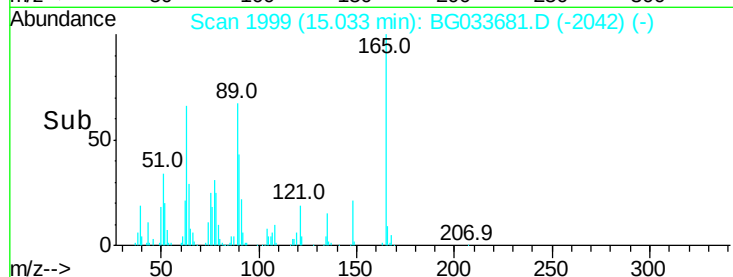


Abundance Ion 165.00 (164.70 to 165.70): E

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



#61

4-Nitroaniline

Concen: 10.359 ng

RT: 15.87 min Scan# 2141

Delta R.T. -0.66 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

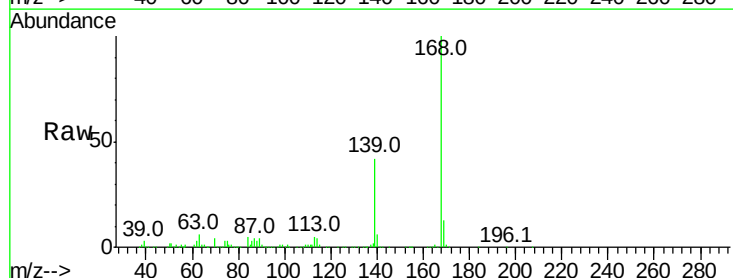
Tgt Ion:138 Resp: 10857

Ion Ratio Lower Upper

138 100

92 9.0 40.1 80.1#

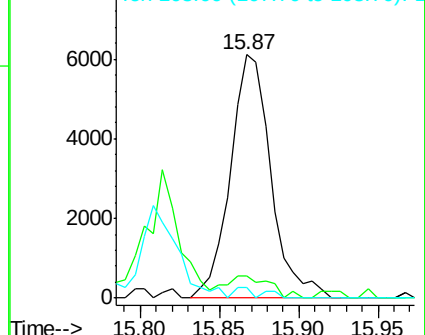
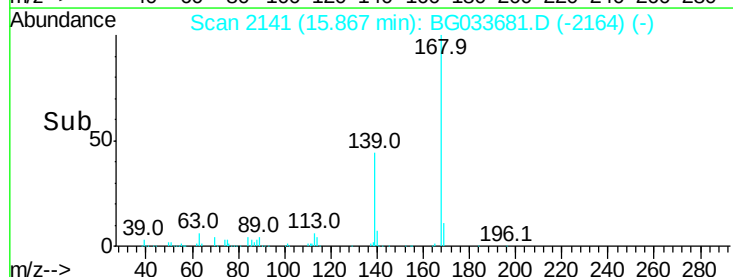
108 4.5 65.4 105.4#

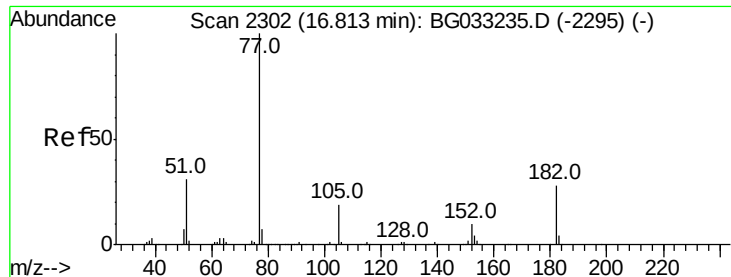


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 5.707 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.54 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 25917

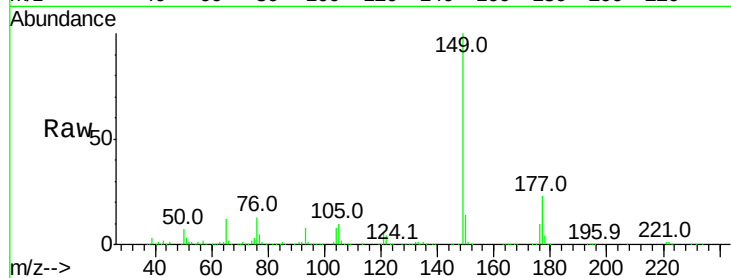
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 190.2 0.3 40.3#

51 49.8 11.6 51.6

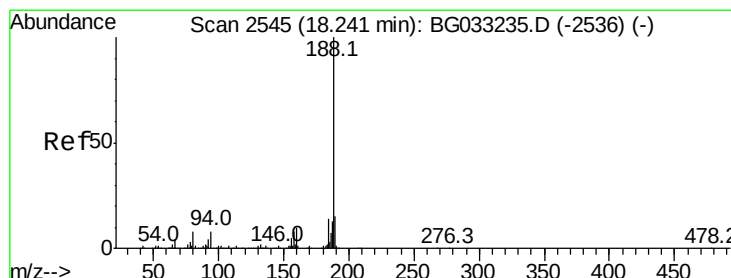
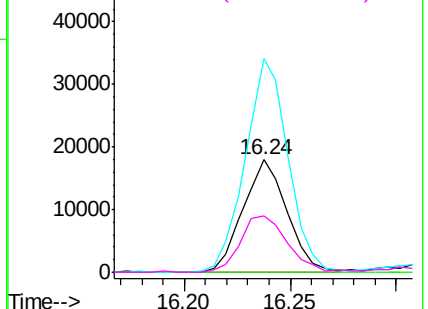
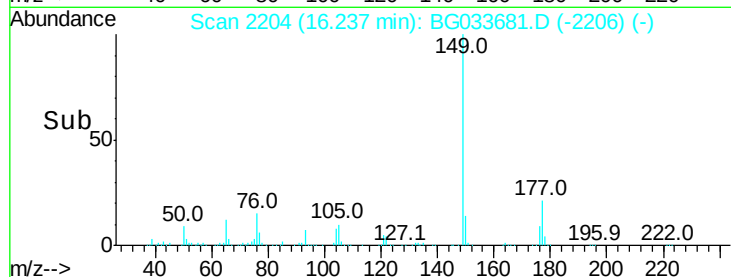


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.50 min Scan# 2419

Delta R.T. -0.71 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

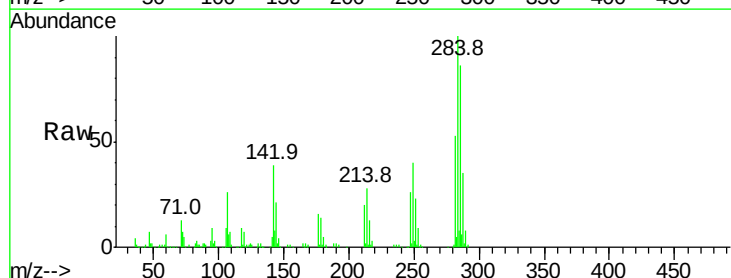
Tgt Ion: 188 Resp: 1925

Ion Ratio Lower Upper

188 100

94 165.3 6.9 10.3#

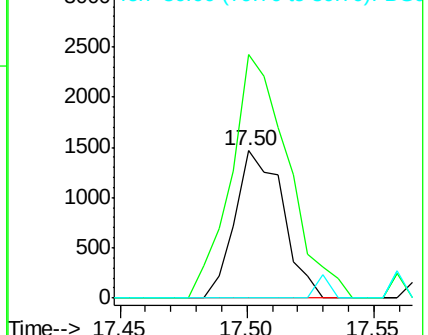
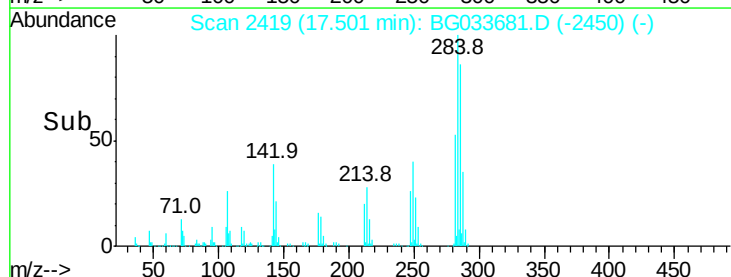
80 0.0 7.7 11.5#

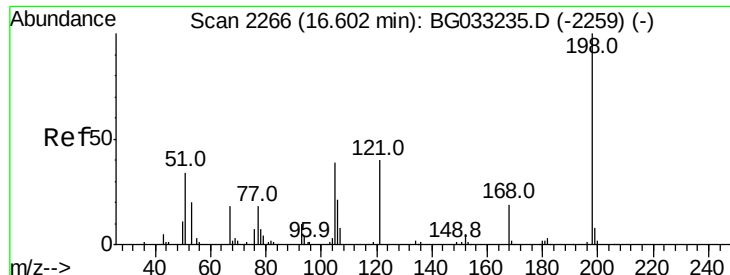


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 628.176 ng

RT: 16.01 min Scan# 2165

Delta R.T. -0.56 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

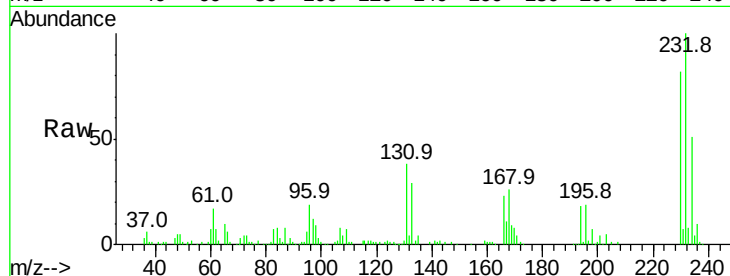
Tot Ion:198 Resp: 7234

Ion Ratio Lower Upper

198 100

51 3.3 30.6 70.6#

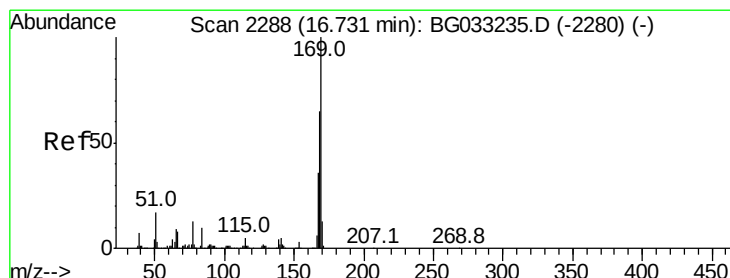
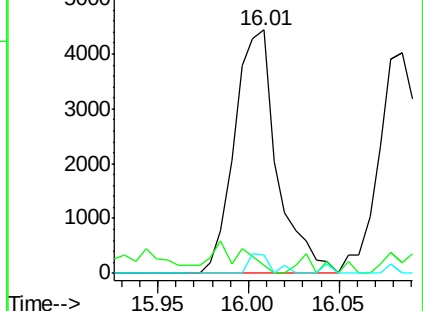
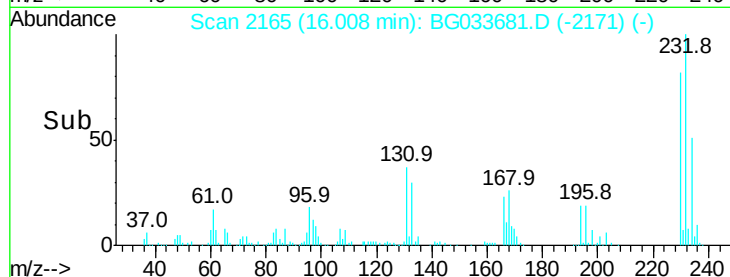
105 7.2 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG033235.D (-2259) (-)

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 217.428 ng

RT: 16.08 min Scan# 2178

Delta R.T. -0.62 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

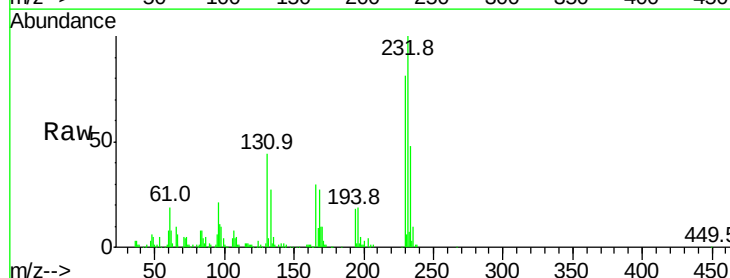
Tgt Ion:169 Resp: 11949

Ion Ratio Lower Upper

169 100

168 266.6 55.7 83.5#

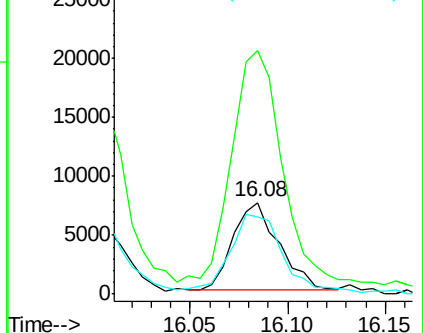
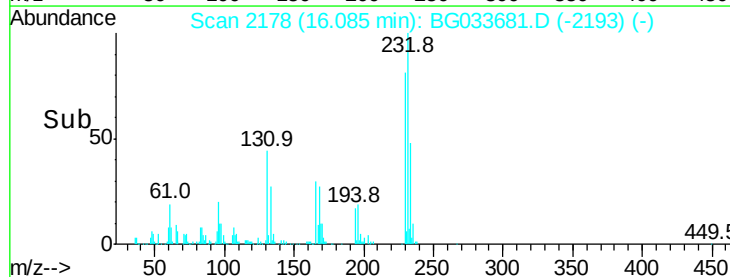
167 84.4 30.1 45.1#

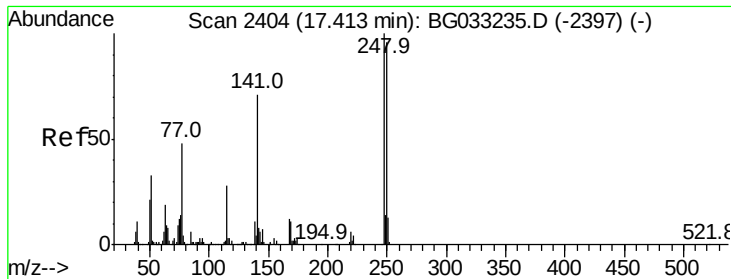


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

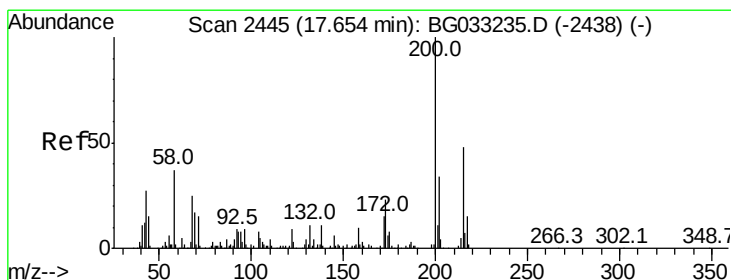
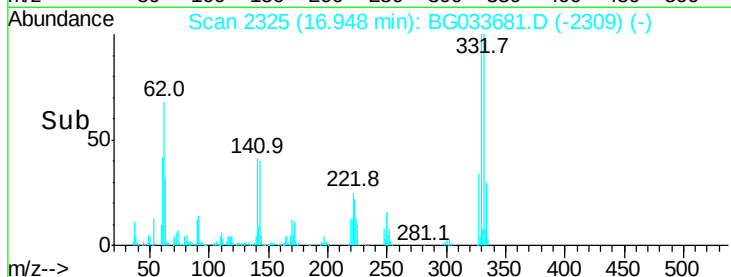
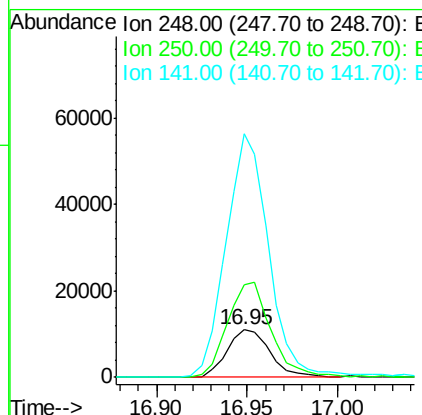
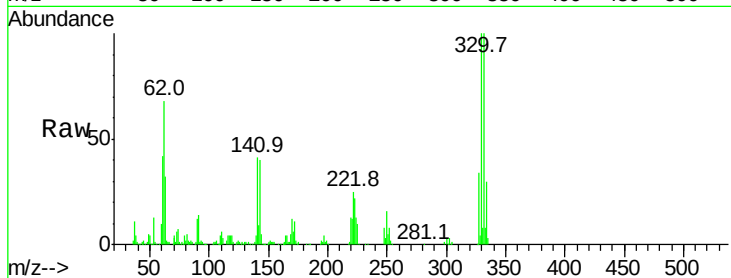




#66
4-Bromophenyl-phenylether
Concen: 807.701 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.43 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

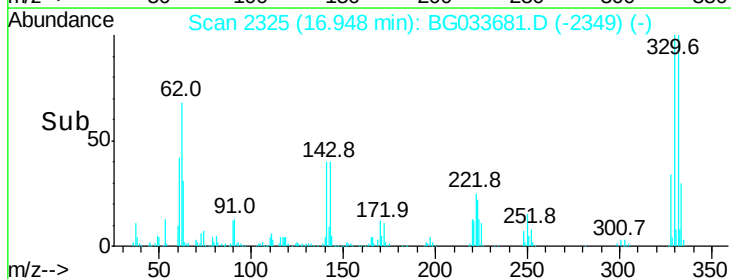
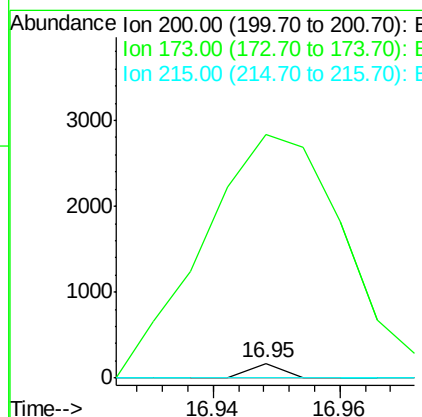
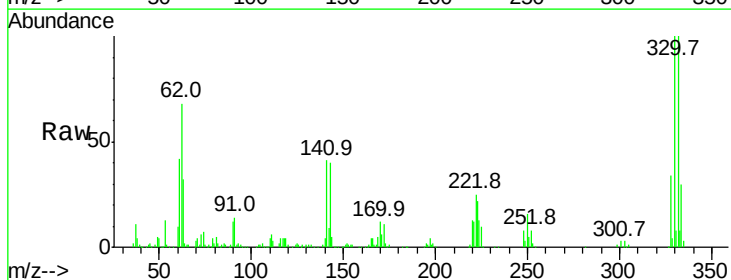
Instrument :
BNA_G
ClientSampleId :

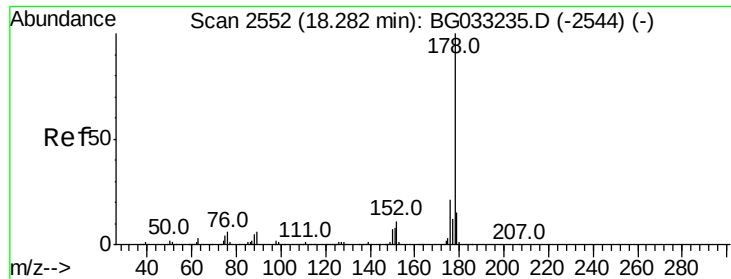
Tot Ion:248 Resp: 18260
Ion Ratio Lower Upper
248 100
250 196.1 77.1 115.7#
141 512.7 50.8 76.2#



#68
Atrazine
Concen: 2.694 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.67 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

Tgt Ion:200 Resp: 60
Ion Ratio Lower Upper
200 100
173 1968.4 5.2 45.2#
215 0.0 30.4 70.4#





#70

Phenanthrene

Concen: 19.401 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.75 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

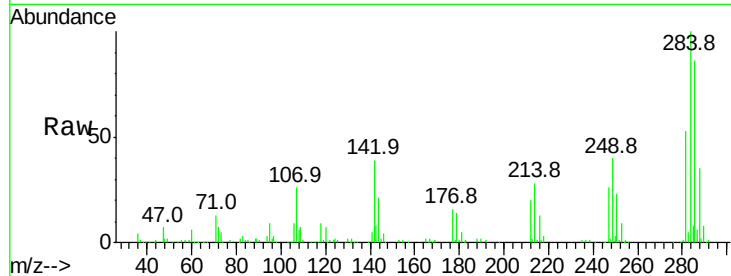
Tot Ion:178 Resp: 1945

Ion Ratio Lower Upper

178 100

176 0.0 15.7 23.5#

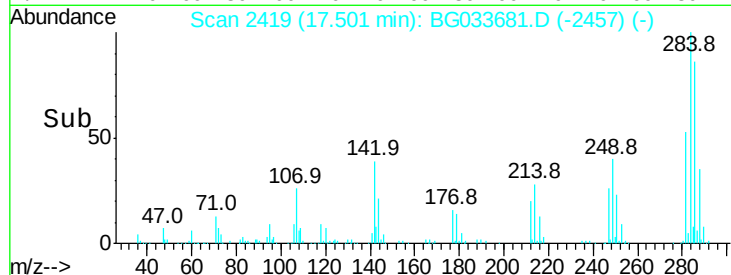
179 1028.8 12.5 18.7#



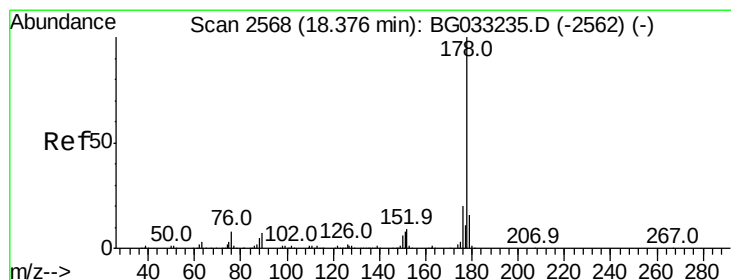
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 5.753 ng

RT: 17.62 min Scan# 2439

Delta R.T. -0.72 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

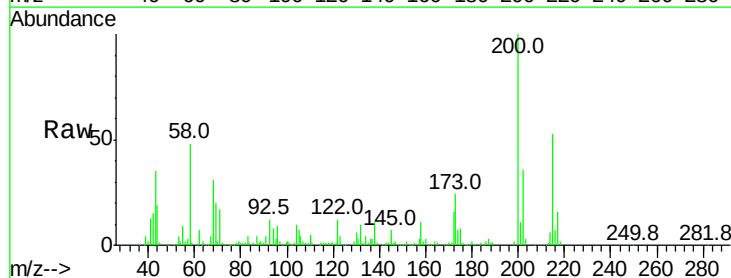
Tgt Ion:178 Resp: 584

Ion Ratio Lower Upper

178 100

176 132.3 16.0 24.0#

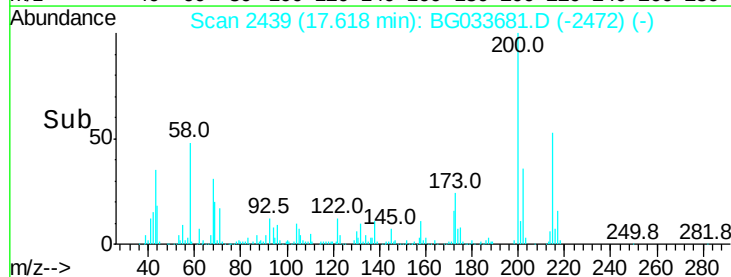
179 38.6 12.5 18.7#



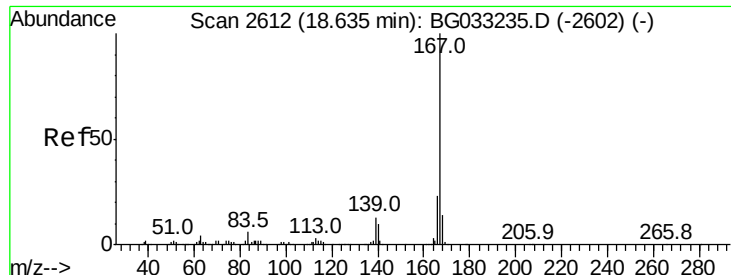
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 894.099 ng

RT: 17.85 min Scan# 2478

Delta R.T. -0.75 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

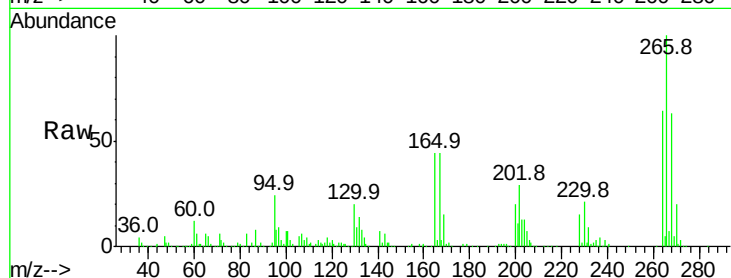
Tot Ion:167 Resp: 80426

Ion Ratio Lower Upper

167 100

166 7.3 18.2 27.4#

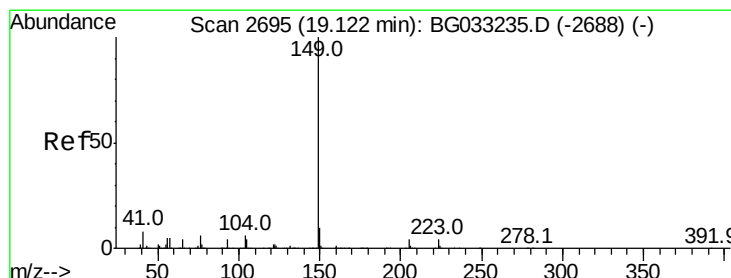
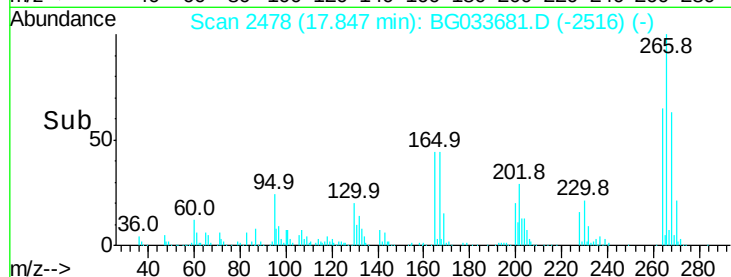
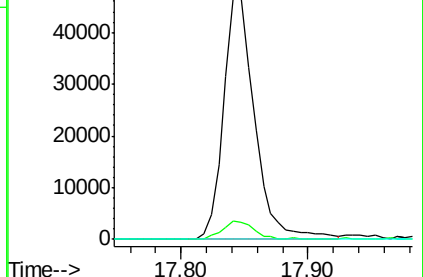
139 0.0 9.4 14.2#



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



#73

Di-n-butylphthalate

Concen: 71.031 ng

RT: 18.34 min Scan# 2562

Delta R.T. -0.75 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

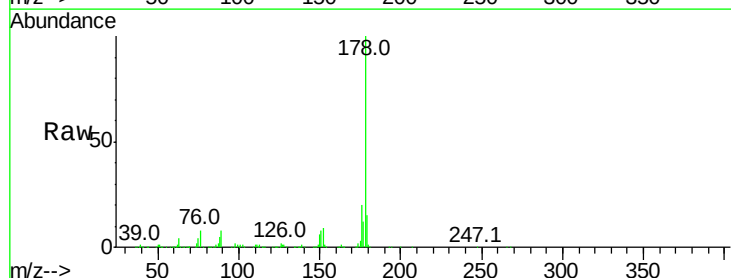
Tgt Ion:149 Resp: 7437

Ion Ratio Lower Upper

149 100

150 649.0 7.8 11.6#

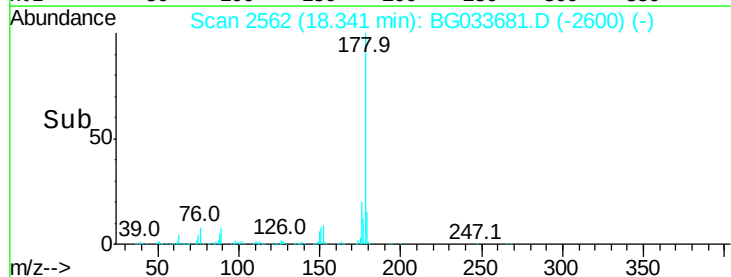
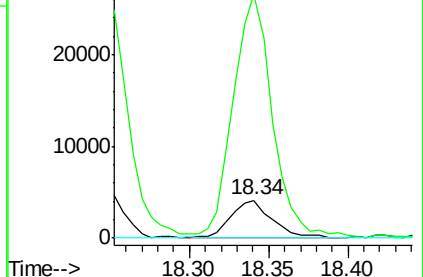
104 0.0 3.9 5.9#

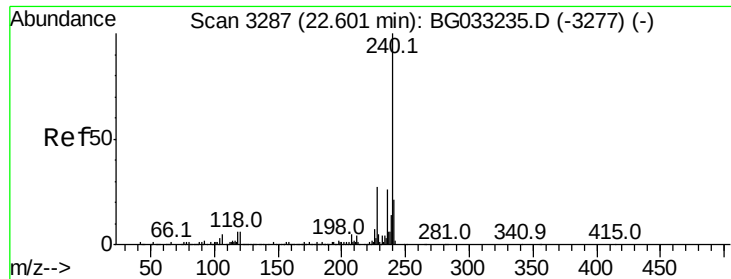


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.46 min Scan# 3093

Delta R.T. -1.10 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

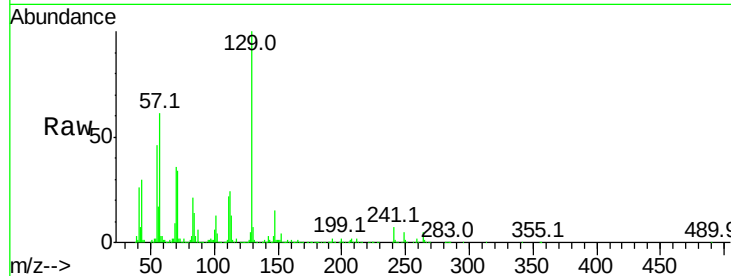
Tot Ion:240 Resp: 331

Ion Ratio Lower Upper

240 100

120 58.6 6.8 10.2#

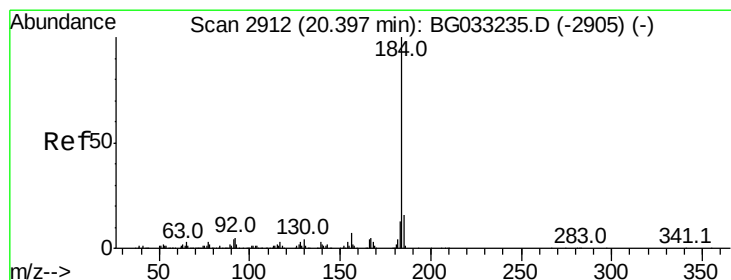
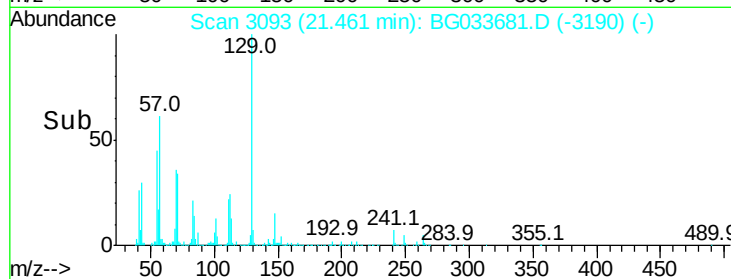
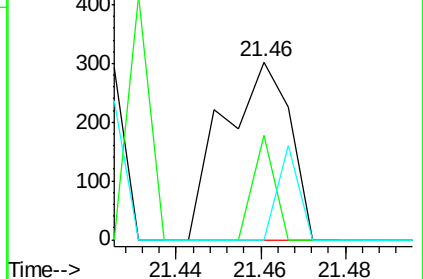
236 0.0 20.9 31.3#



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: 20.833 ng

RT: 19.49 min Scan# 2757

Delta R.T. -0.88 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

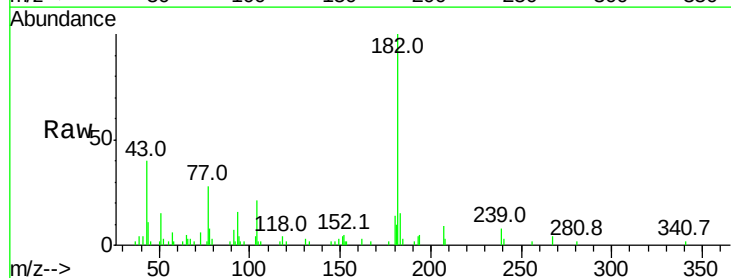
Tgt Ion:184 Resp: 187

Ion Ratio Lower Upper

184 100

185 0.0 11.1 16.7#

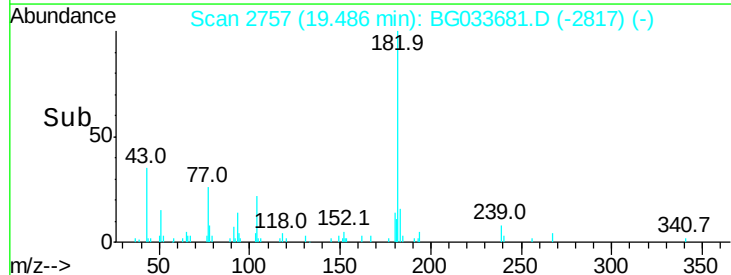
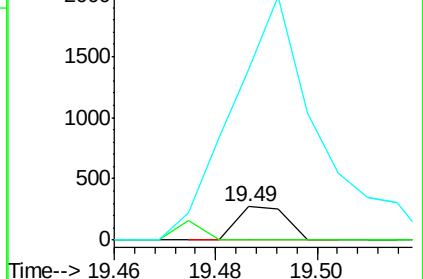
183 510.3 10.6 16.0#

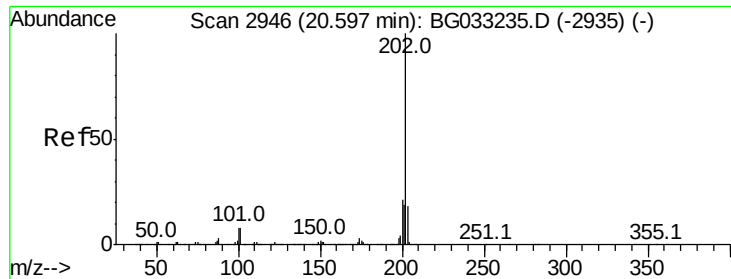


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

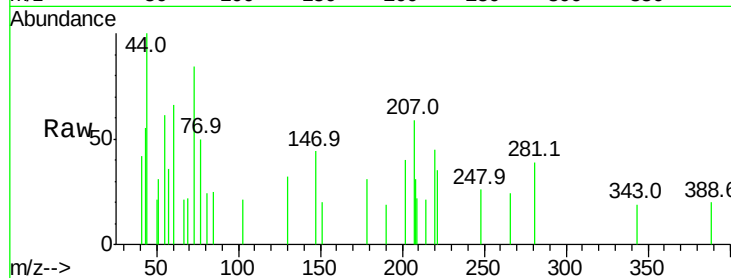




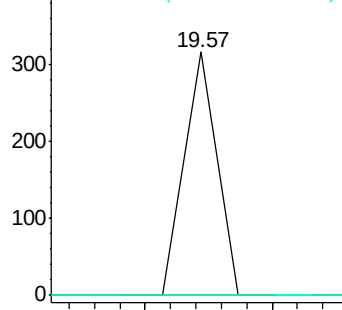
#77
Pvrene
Concen: 5.073 ng
RT: 19.57 min Scan# 2771
Delta R.T. -0.99 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

Instrument :
BNA_G
ClientSampleId :

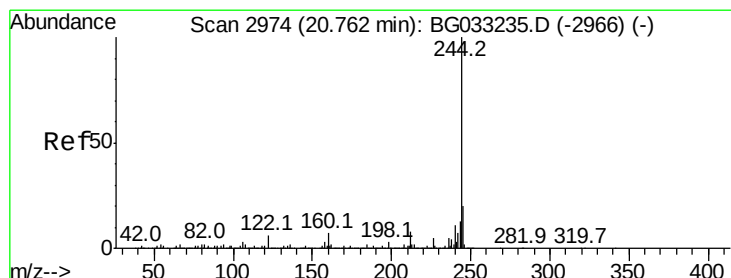
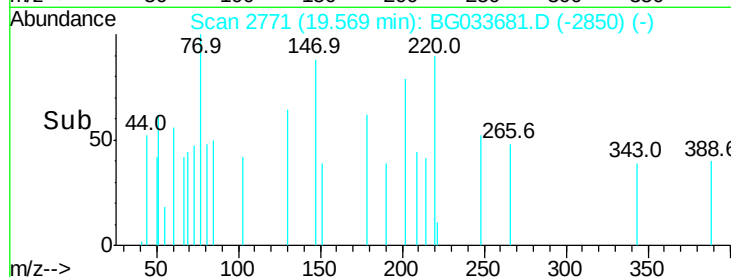
Tot Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	0.0	13.9	20.9#



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

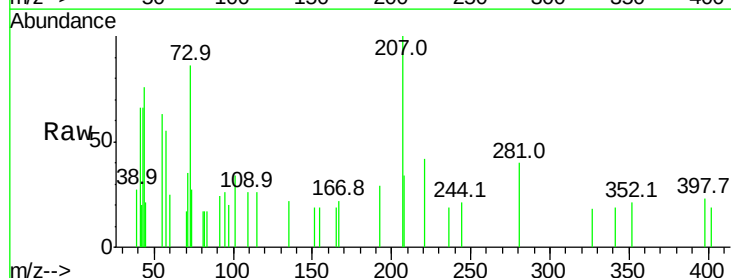


Time-->

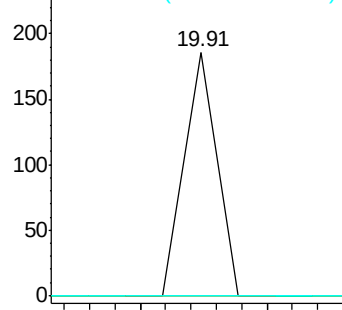


#78
Terphenyl-d14
Concen: 4.264 ng
RT: 19.91 min Scan# 2829
Delta R.T. -0.82 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

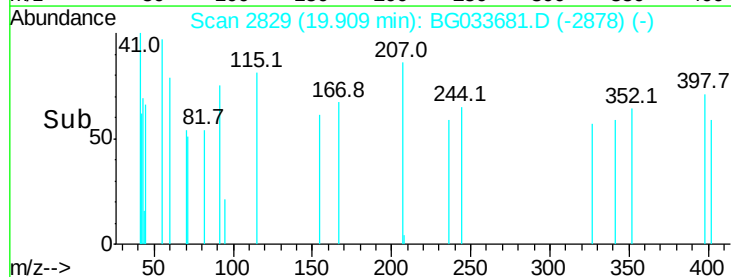
Tgt Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.8	8.8#
122	0.0	7.0	10.4#

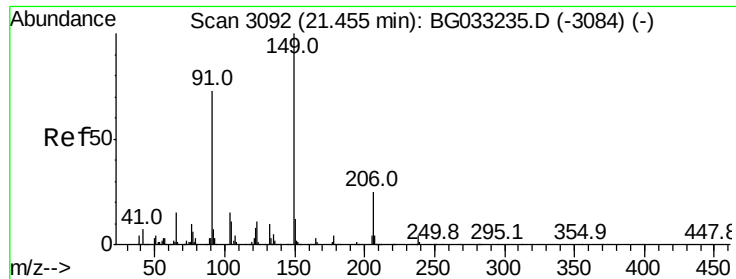


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->

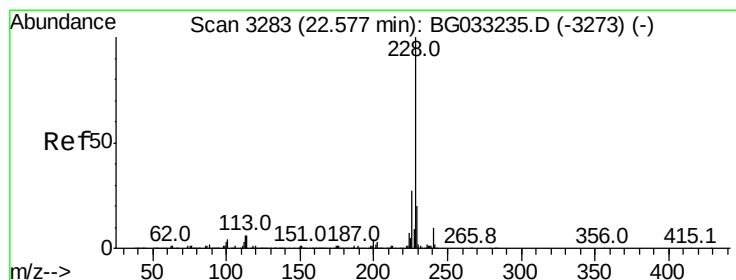
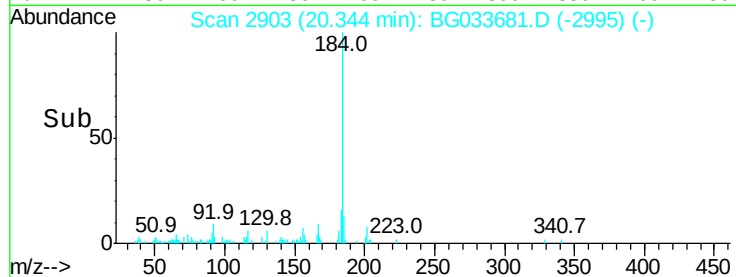
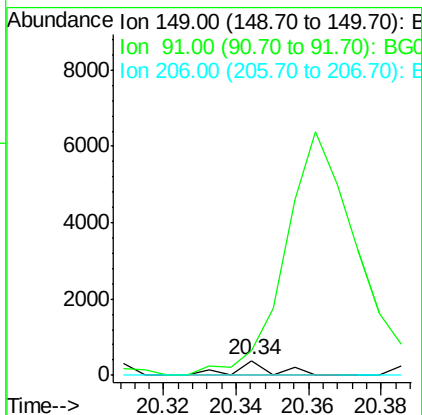
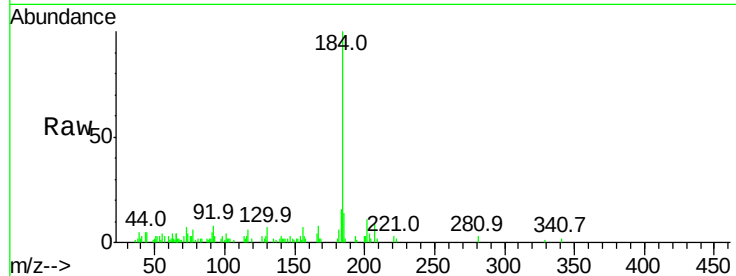




#79
Butylbenzylphthalate
Concen: 32.407 ng
RT: 20.34 min Scan# 2903
Delta R.T. -1.07 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

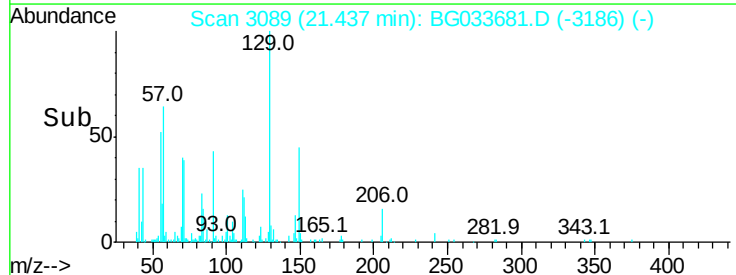
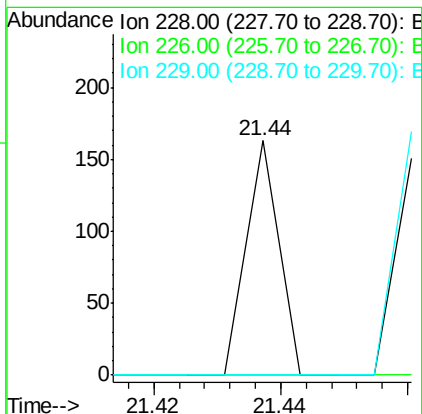
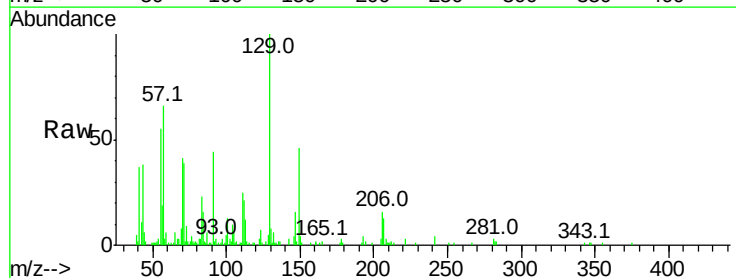
Instrument :
BNA_G
ClientSampleId :

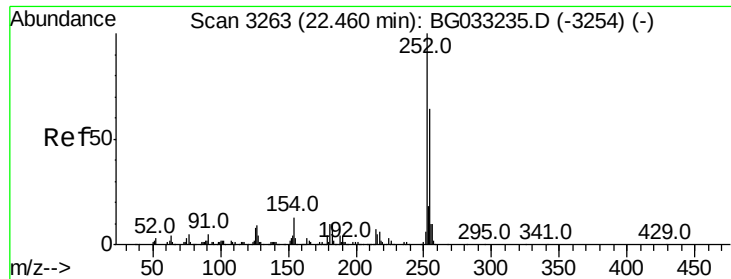
Tot Ion:149 Resp: 264
Ion Ratio Lower Upper
149 100
91 168.4 62.2 93.2#
206 0.0 18.6 27.8#



#80
Benzo(a)anthracene
Concen: 2.704 ng
RT: 21.44 min Scan# 3089
Delta R.T. -1.10 min
Lab File: BG033681.D
Acq: 9 Apr 2018 15:23

Tgt Ion:228 Resp: 57
Ion Ratio Lower Upper
228 100
226 0.0 22.7 34.1#
229 0.0 16.2 24.2#

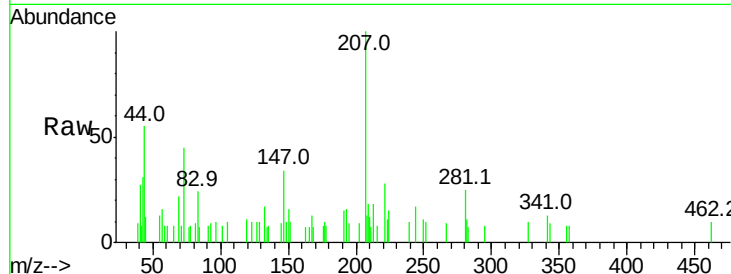




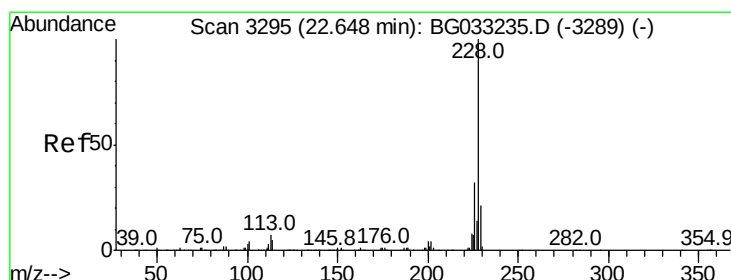
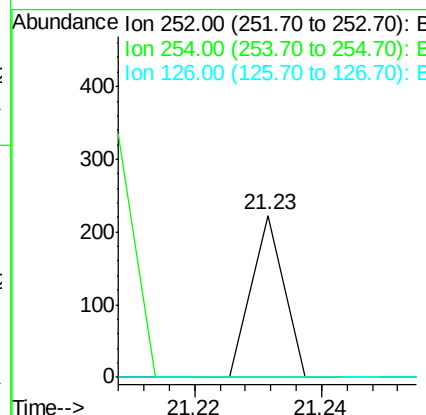
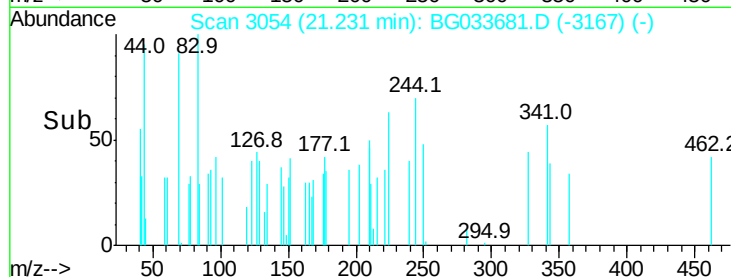
#81
 3,3'-Dichlorobenzidine
 Concen: 10.533 ng
 RT: 21.23 min Scan# 3054
 Delta R.T. -1.19 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:252 Resp: 79
 Ion Ratio Lower Upper
 252 100
 254 0.0 50.8 76.2#
 126 0.0 7.4 11.2#

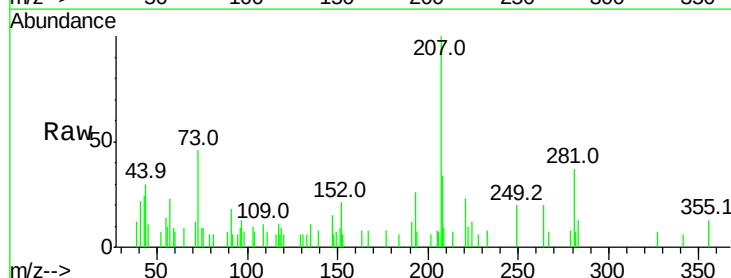


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

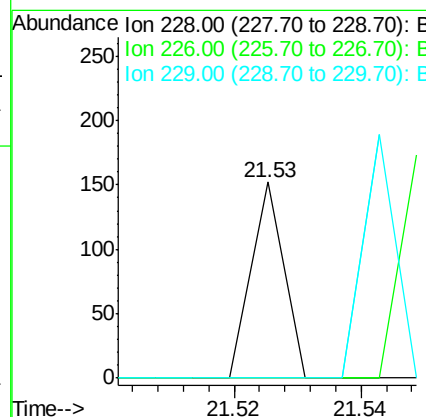
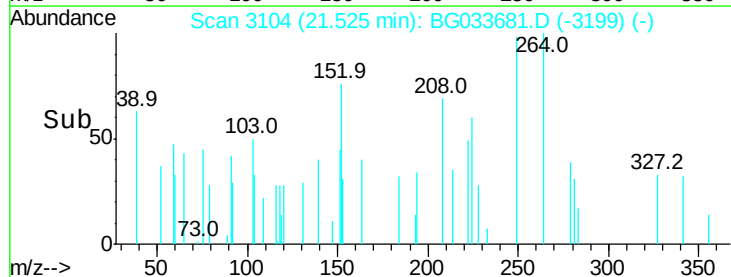


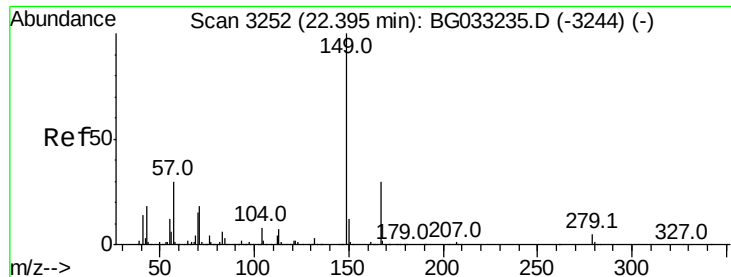
#82
 Chrysene
 Concen: 2.647 ng
 RT: 21.53 min Scan# 3104
 Delta R.T. -1.09 min
 Lab File: BG033681.D
 Acq: 9 Apr 2018 15:23

Tgt Ion:228 Resp: 54
 Ion Ratio Lower Upper
 228 100
 226 0.0 24.9 37.3#
 229 0.0 15.0 22.4#



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: 33656.412 ng

RT: 21.41 min Scan# 3085

Delta R.T. -0.94 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

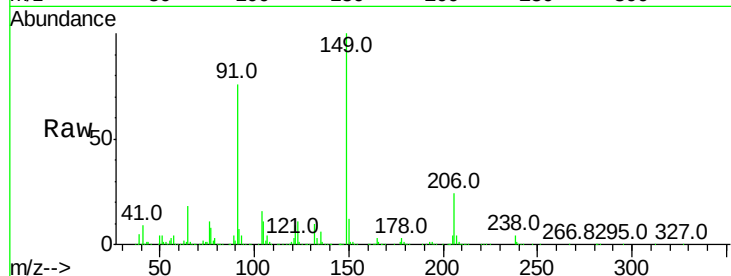
Tot Ion:149 Resp: 377959

Ion Ratio Lower Upper

149 100

167 0.3 24.3 36.5#

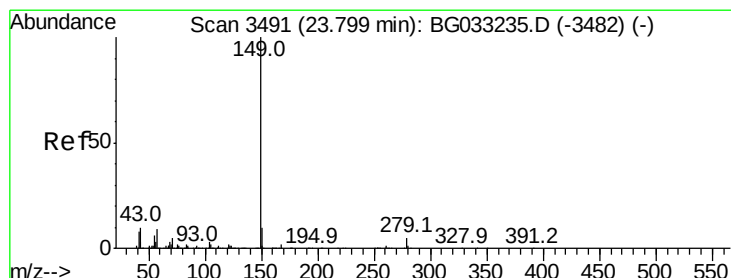
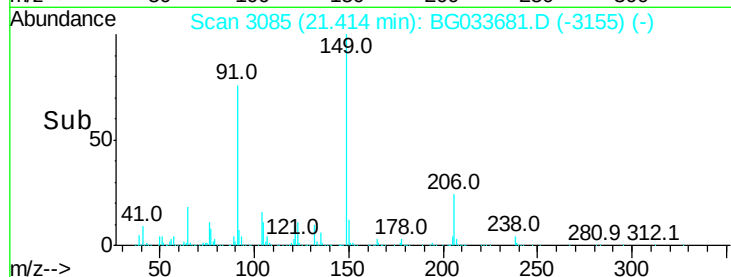
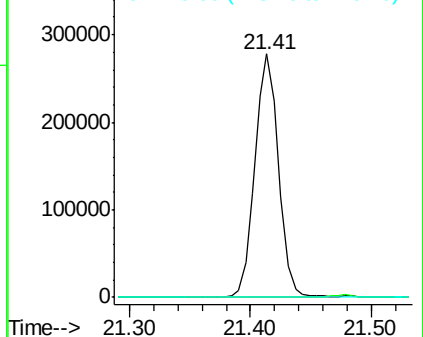
279 0.0 4.0 6.0#



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: 30980.257 ng

RT: 22.35 min Scan# 3244

Delta R.T. -1.40 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

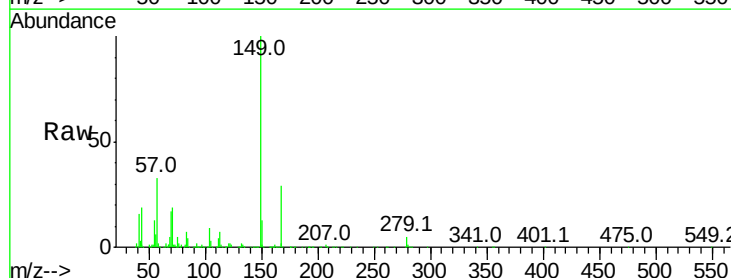
Tgt Ion:149 Resp: 532685

Ion Ratio Lower Upper

149 100

167 28.8 1.4 2.0#

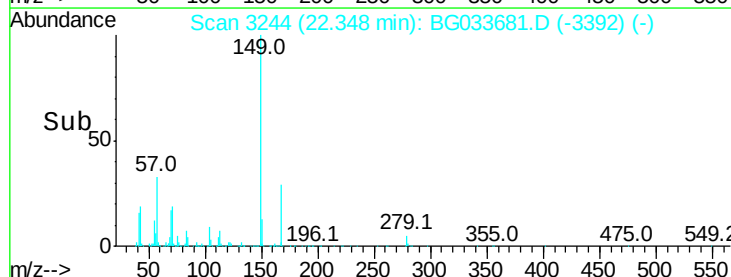
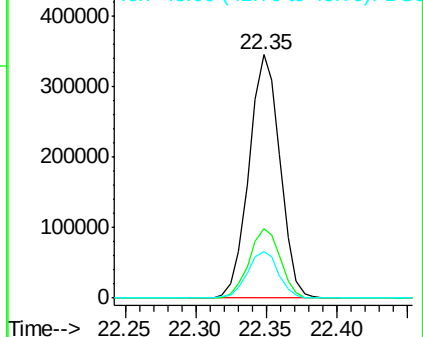
43 19.5 8.9 13.3#

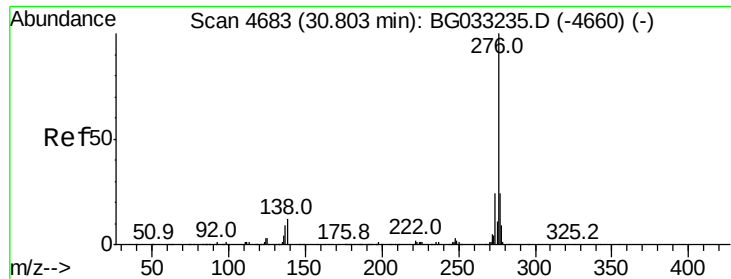


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.717 ng

RT: 29.63 min Scan# 4484

Delta R.T. -1.06 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

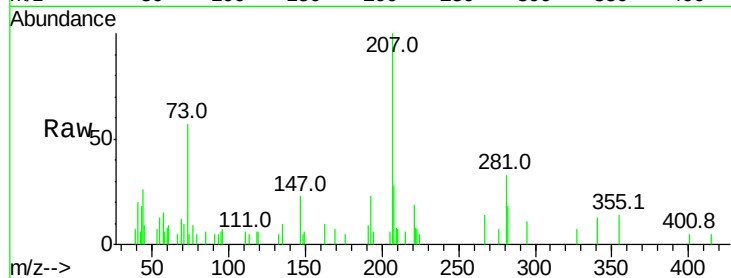
Tot Ion:276 Resp: 82

Ion Ratio Lower Upper

276 100

138 0.0 16.0 24.0#

277 67.1 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

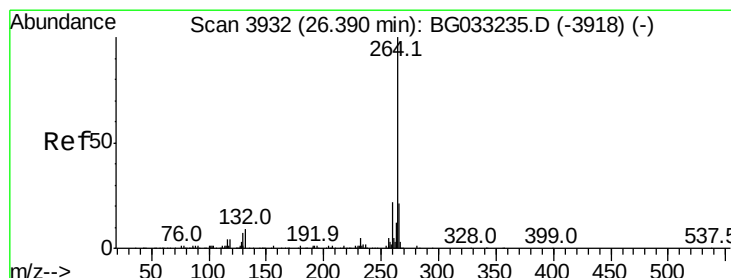
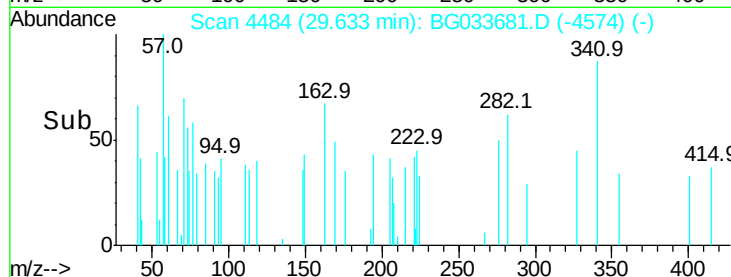
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

29.63

29.62 29.64

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3685

Delta R.T. -1.38 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

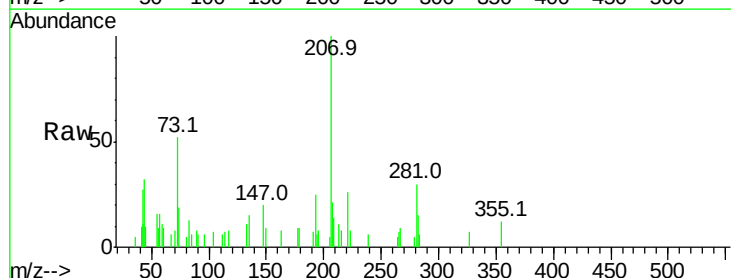
Tgt Ion:264 Resp: 59

Ion Ratio Lower Upper

264 100

260 0.0 17.4 26.0#

265 138.1 17.7 26.5#



Abundance Ion 264.00 (263.70 to 264.70): E

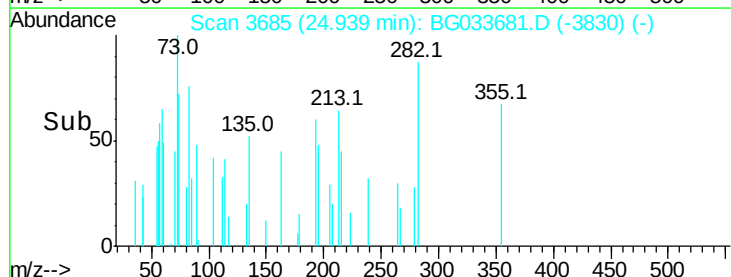
Ion 260.00 (259.70 to 260.70): E

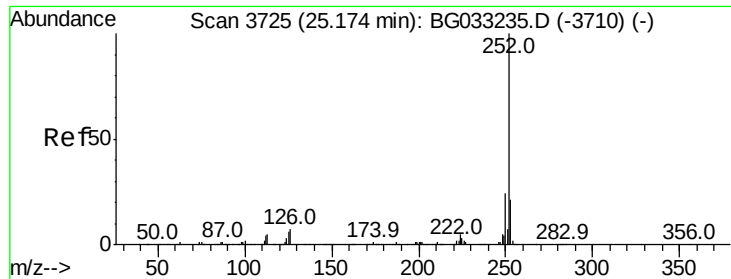
Ion 265.00 (264.70 to 265.70): E

24.94

24.92 24.94

Time-->





#87

Benzo(b)fluoranthene

Concen: 33.150 ng

RT: 23.83 min Scan# 3496

Delta R.T. -1.28 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

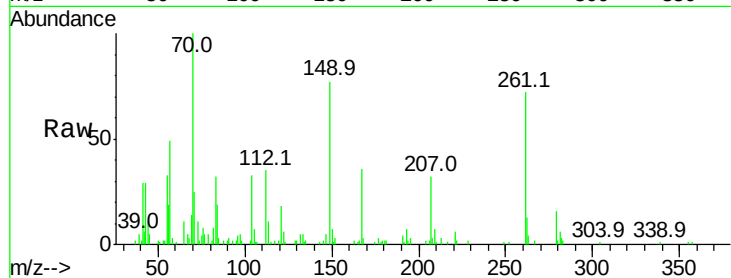
Tot Ion:252 Resp: 113

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.4#

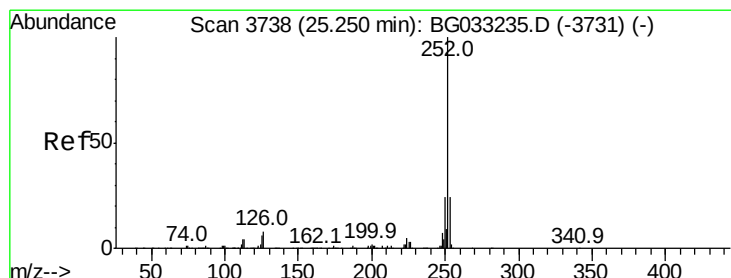
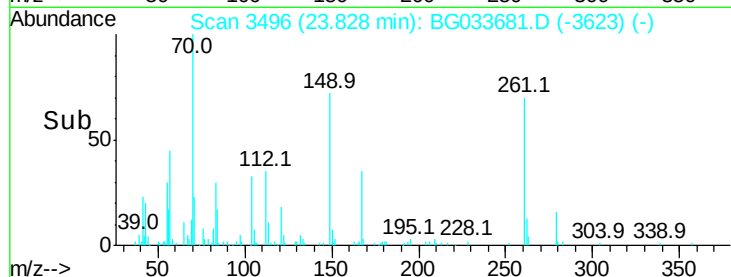
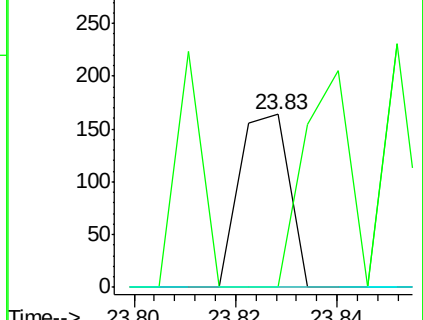
125 0.0 7.2 10.8#



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: 18.854 ng

RT: 23.90 min Scan# 3508

Delta R.T. -1.29 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

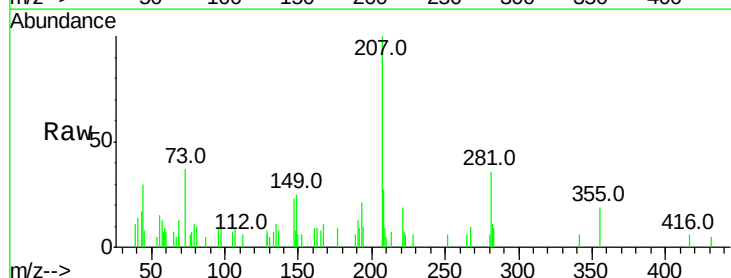
Tgt Ion:252 Resp: 65

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

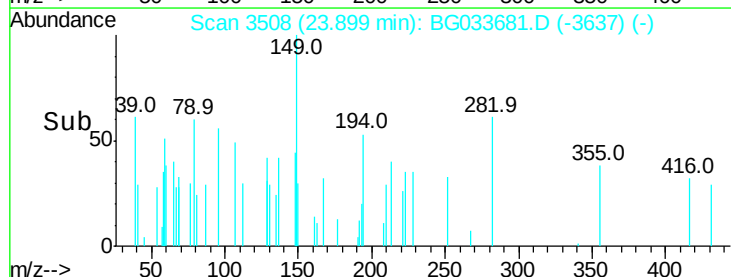
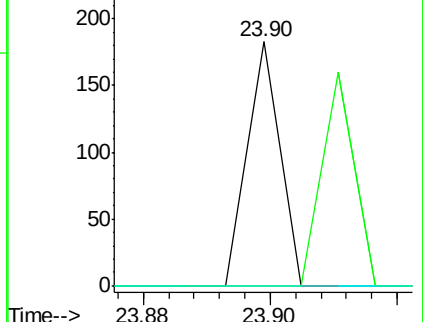
125 0.0 6.6 9.8#

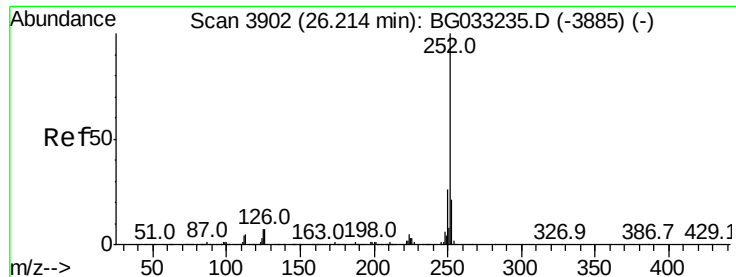


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 276554.147 ng

RT: 25.10 min Scan# 3713

Delta R.T. -1.04 min

Lab File: BG033681.D

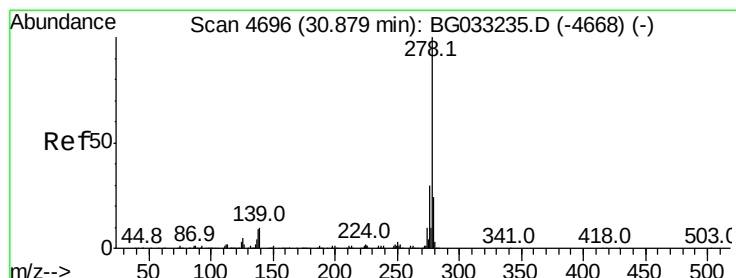
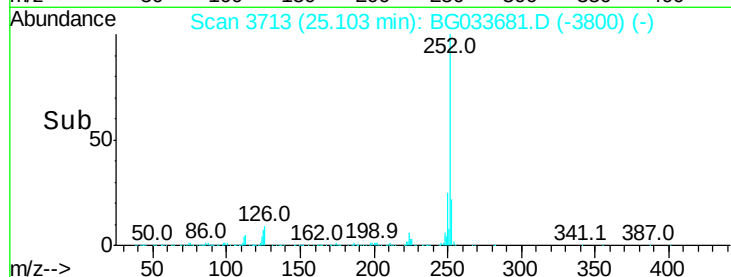
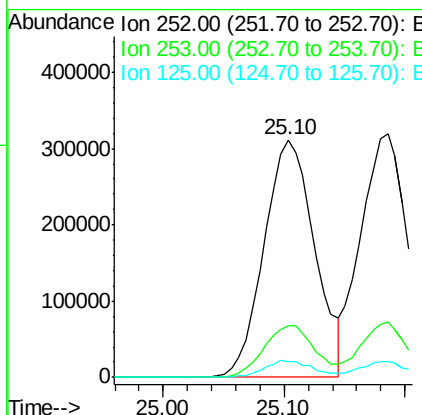
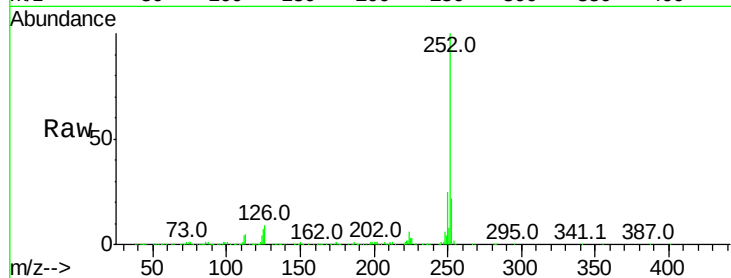
Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	905297
Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.3	27.5
125	6.6	7.3	10.9#



#90

Dibenzo(a,h)anthracene

Concen: 20.107 ng

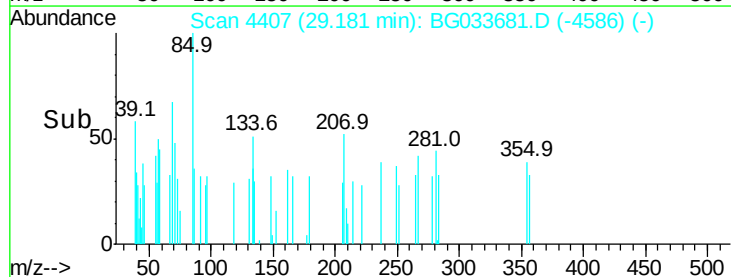
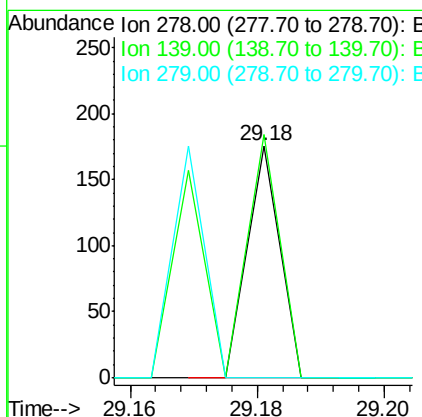
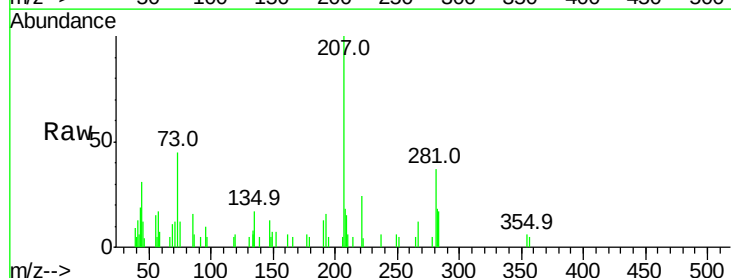
RT: 29.18 min Scan# 4407

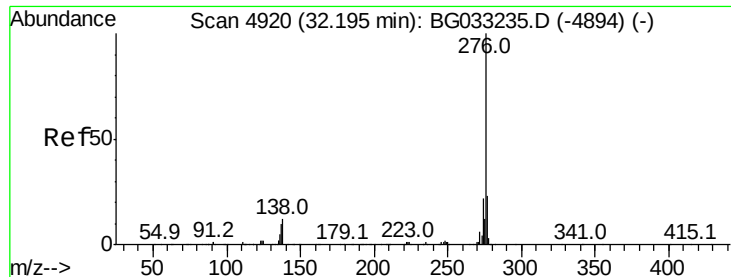
Delta R.T. -1.58 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Tgt Ion:	278	Resp:	62
Ion	Ratio	Lower	Upper
278	100		
139	104.5	9.8	14.6#
279	0.0	18.4	27.6#





#91

Benzo(a,h,i)perylene

Concen: 336075.553 ng

RT: 30.69 min Scan# 4663

Delta R.T. -1.39 min

Lab File: BG033681.D

Acq: 9 Apr 2018 15:23

Instrument :

BNA_G

ClientSampleId :

Tot Ion:276 Resp: 1026171

Ion Ratio Lower Upper

276 100

277 25.2 18.3 27.5

138 13.4 13.9 20.9#

