

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031518\
 Data File : BG033186.D
 Acq On : 15 Mar 2018 21:02
 Operator : SJ/JU
 Sample : J1913-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

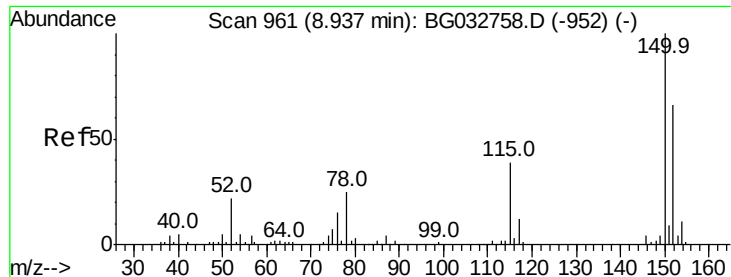
Quant Time: Mar 16 04:54:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	30185	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	129509	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	80937	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	209402	20.00	ng	0.00
75) Chrysene-d12	22.60	240	216112	20.00	ng	0.00
86) Perylene-d12	26.40	264	239057	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	265885	140.92	ng	0.00
7) Phenol-d6	8.00	99	329182	125.17	ng	-0.01
23) Nitrobenzene-d5	10.10	82	237535	122.35	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	209863	246.60	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	551445	98.26	ng	0.00
78) Terphenyl-d14	20.76	244	1036339	107.74	ng	0.00

Target Compounds				Qvalue		
15) Benzyl Alcohol	9.23	79	3932	2.034	ng	# 39
19) n-Nitroso-di-n-propylamine	10.10	70	33088	17.822	ng	# 81
24) Nitrobenzene	10.14	77	55	6.403	ng	# 42
31) Naphthalene	11.83	128	15517	2.293	ng	# 94
32) Benzoic acid	10.98	122	922	6.726	ng	# 47
47) 2-Nitroaniline	15.00	65	211	9.962	ng	# 25
50) 2,6-Dinitrotoluene	15.00	165	3350	11.297	ng	# 22
52) 3-Nitroaniline	15.50	138	61	7.580	ng	# 1
55) 4-Nitrophenol	15.90	139	59	7.128	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	10101	14.328	ng	# 16
58) 2,3,4,6-Tetrachlorophenol	16.12	232	4999	3.672	ng	# 92
61) 4-Nitroaniline	16.98	138	117	5.370	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.99	198	351	5.661	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	12940	5.844	ng	# 1
69) Pentachlorophenol	17.89	266	18132	12.030	ng	97
76) Benzidine	20.76	184	17414	2.364	ng	# 92

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

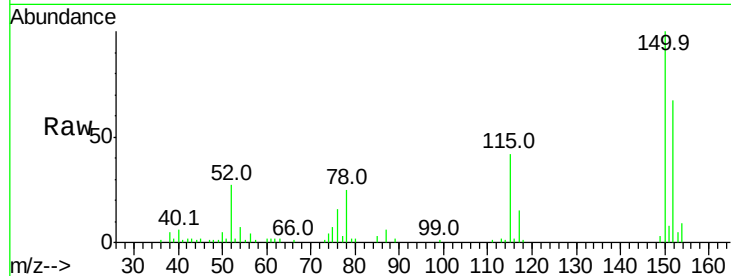


#1

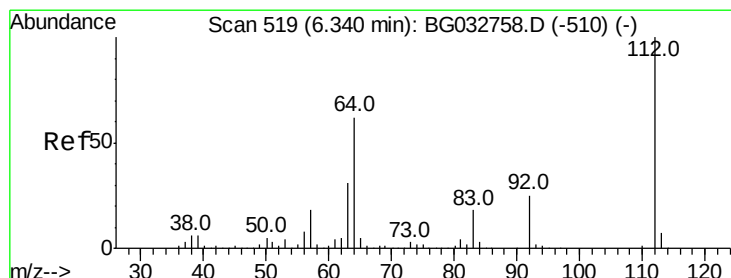
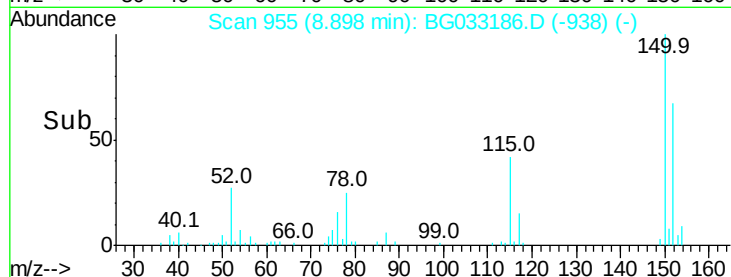
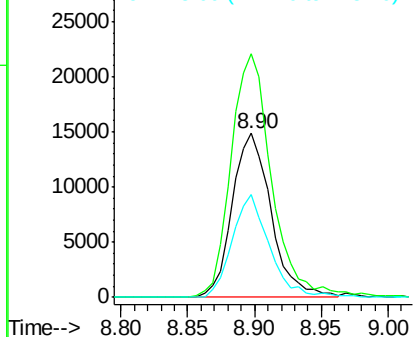
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30185
Ion Ratio Lower Upper
152 100
150 148.4 126.6 189.8
115 62.5 53.0 79.4



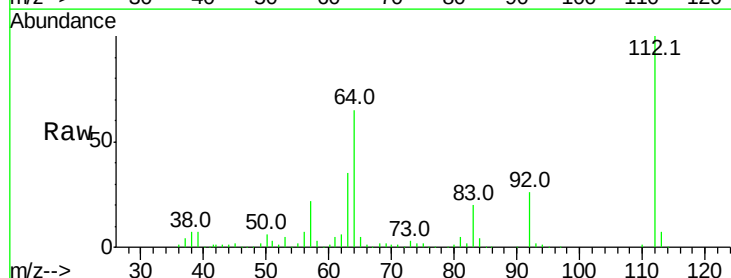
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



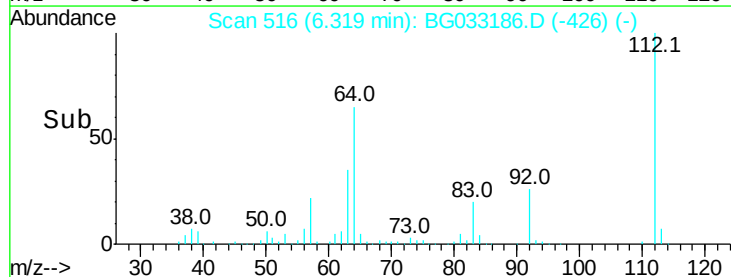
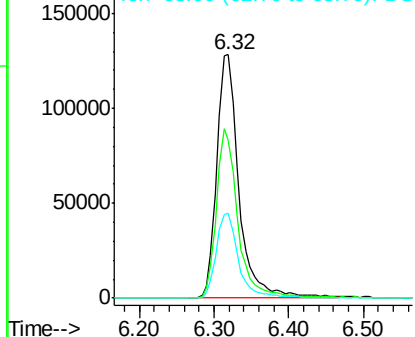
#5

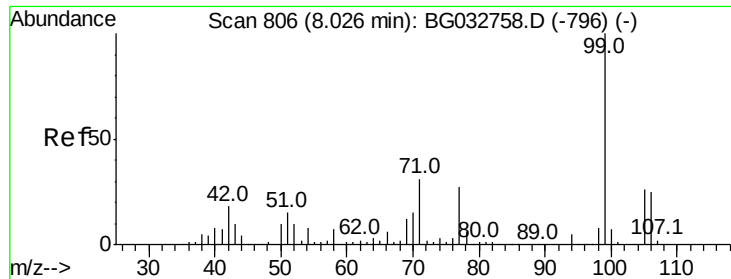
2-Fluorophenol
Concen: 140.923 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion:112 Resp: 265885
Ion Ratio Lower Upper
112 100
64 64.6 56.3 84.5
63 35.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 125.172 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

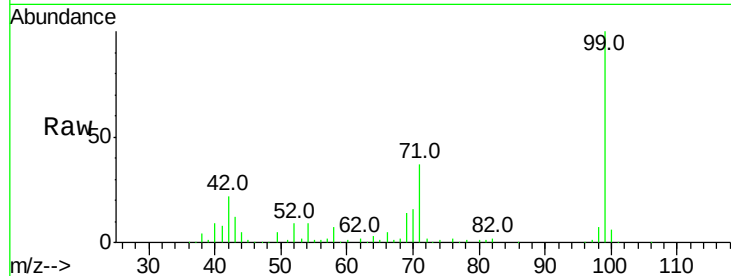
Instrument :

BNA_G

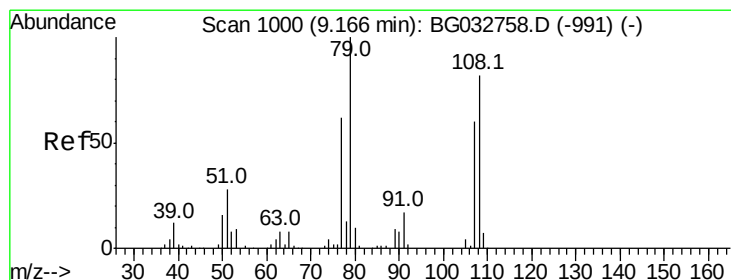
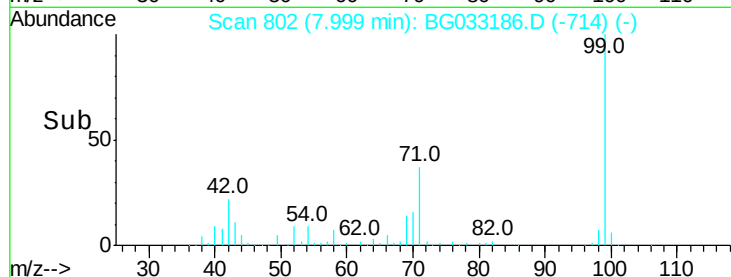
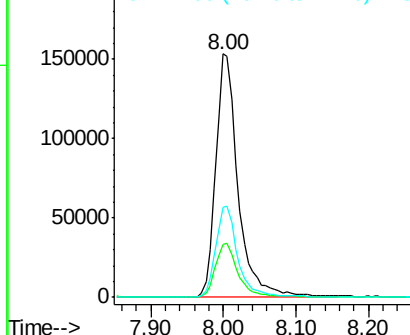
ClientSampleId :

Tot Ion: 99 Resp: 329182

Ion	Ratio	Lower	Upper
99	100		
42	21.8	14.1	21.1#
71	37.2	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



#15

Benzyl Alcohol

Concen: 2.034 ng

RT: 9.23 min Scan# 1012

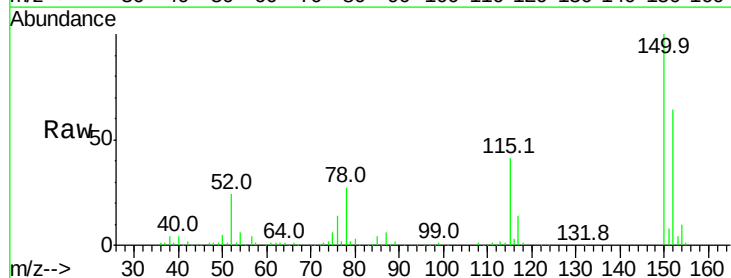
Delta R.T. 0.10 min

Lab File: BG033186.D

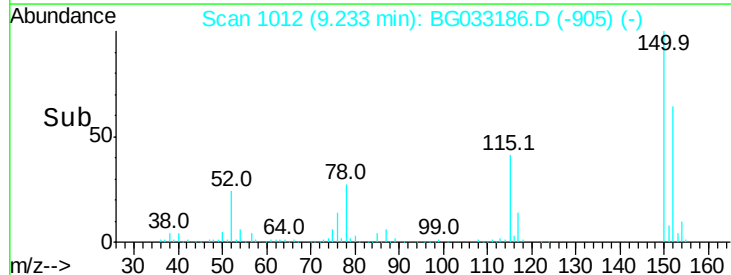
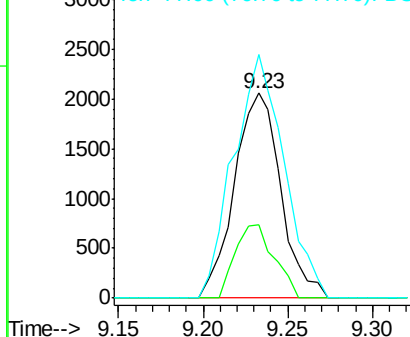
Acq: 15 Mar 2018 21:02

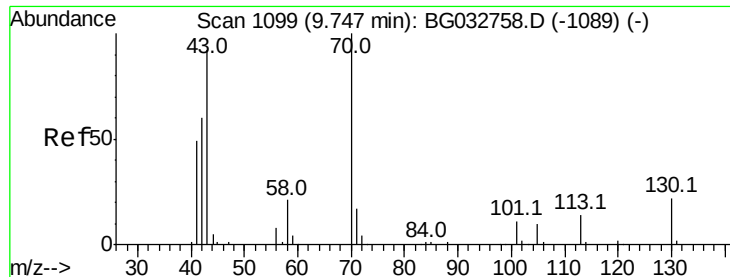
Tgt Ion: 79 Resp: 3932

Ion	Ratio	Lower	Upper
79	100		
108	35.6	57.2	85.8#
77	119.0	46.1	69.1#



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

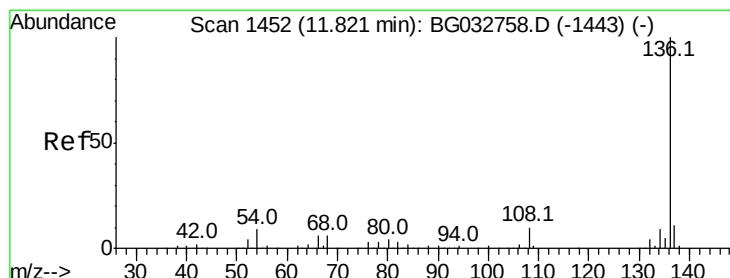
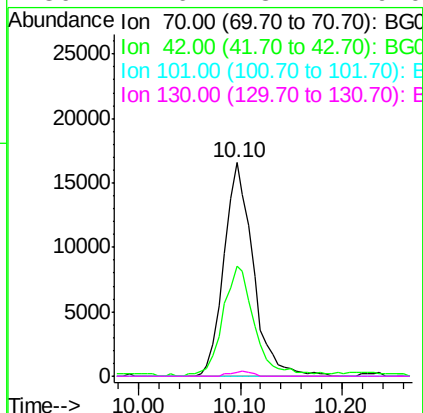
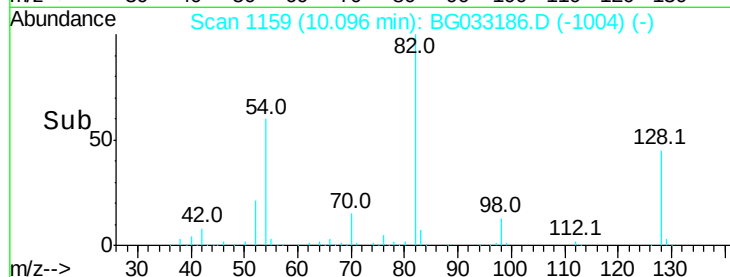
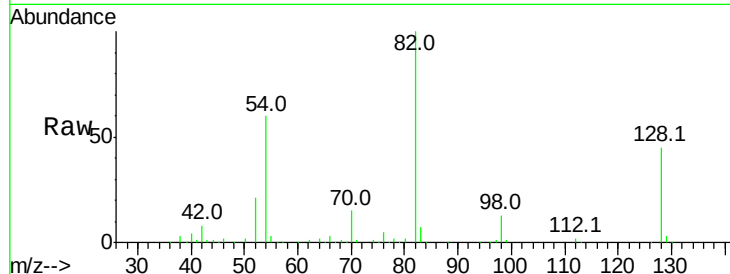




#19
n-Nitroso-di-n-propylamine
Concen: 17.822 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.38 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

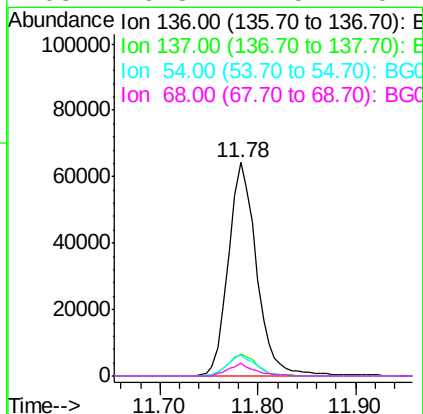
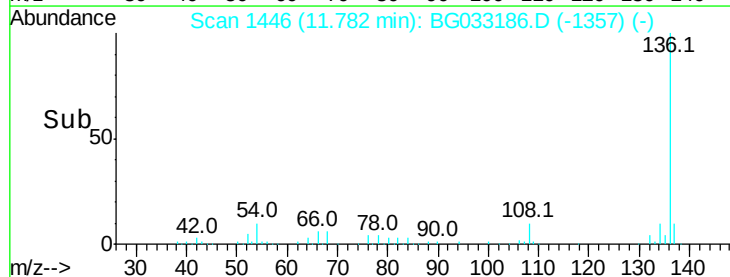
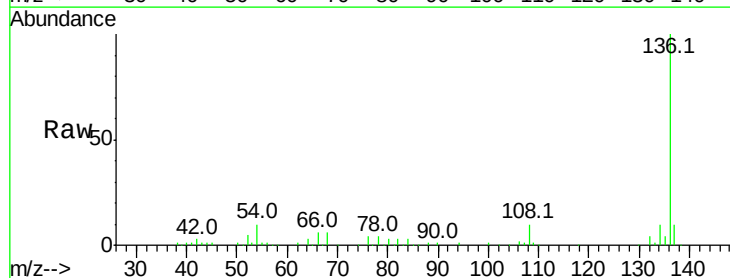
Instrument :
BNA_G
ClientSampled :

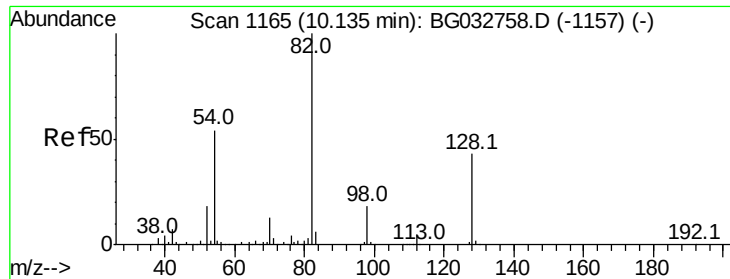
Tot Ion: 70 Resp: 33088
Ion Ratio Lower Upper
70 100
42 51.8 49.1 73.7
101 0.0 8.5 12.7#
130 1.6 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion: 136 Resp: 129509
Ion Ratio Lower Upper
136 100
137 10.1 9.2 13.8
54 9.5 10.3 15.5#
68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 122.348 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.01 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

Instrument :

BNA_G

ClientSampled :

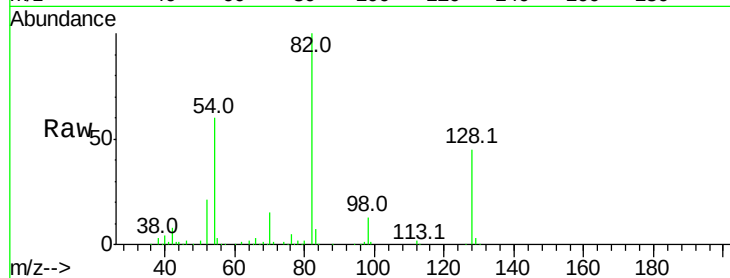
Tot Ion: 82 Resp: 237535

Ion Ratio Lower Upper

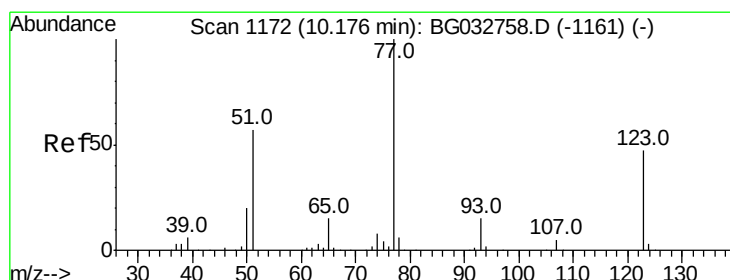
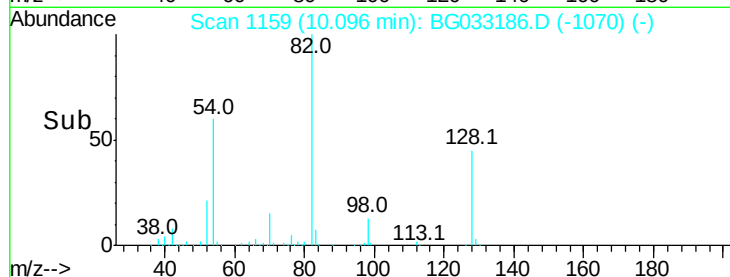
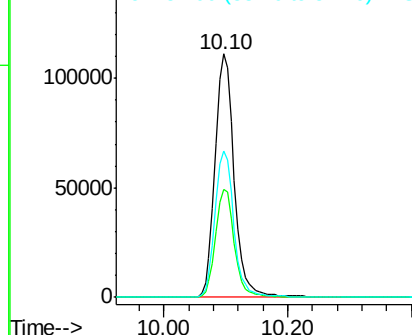
82 100

128 44.6 29.7 44.5#

54 60.3 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#24

Nitrobenzene

Concen: 6.403 ng

RT: 10.14 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

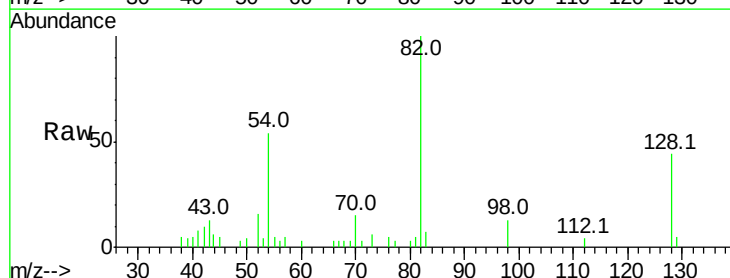
Tgt Ion: 77 Resp: 55

Ion Ratio Lower Upper

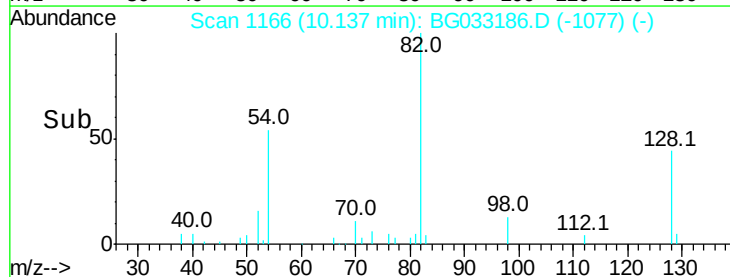
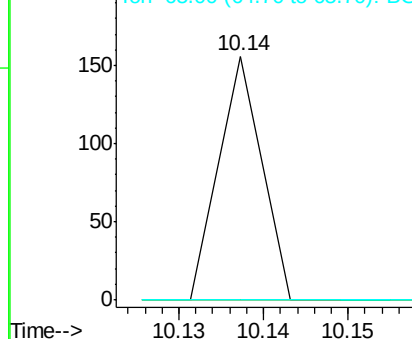
77 100

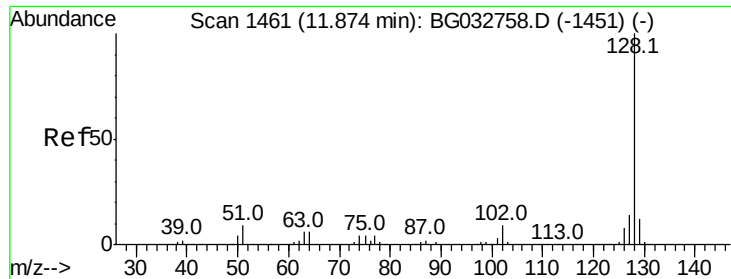
123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

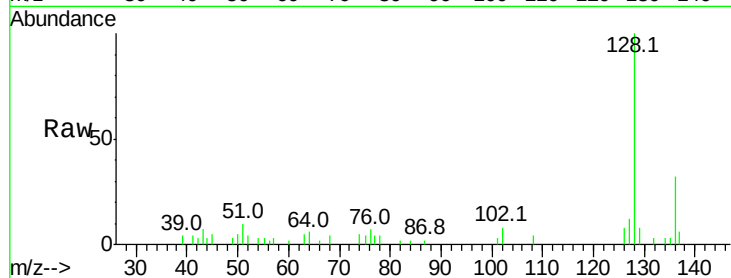




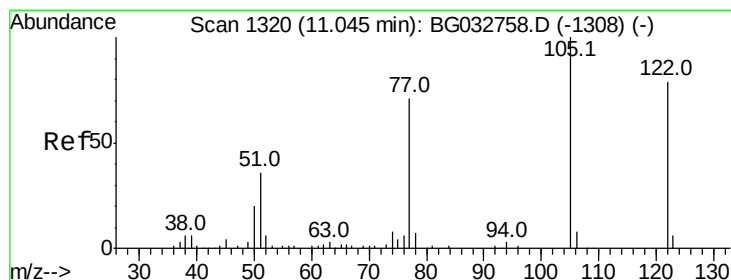
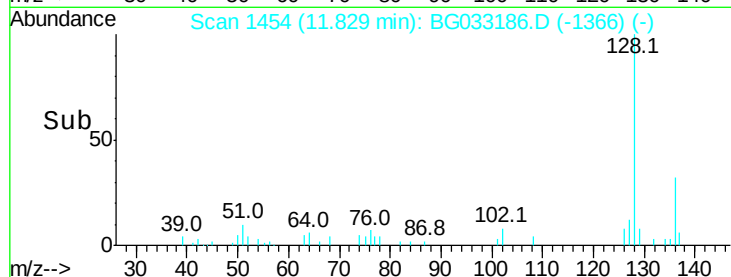
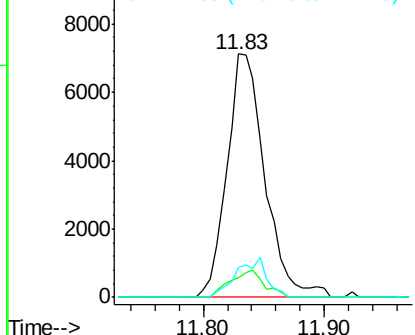
#31
Naphthalene
Concen: 2.293 ng
RT: 11.83 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 15517
Ion Ratio Lower Upper
128 100
129 8.1 8.6 12.8#
127 12.4 11.6 17.4

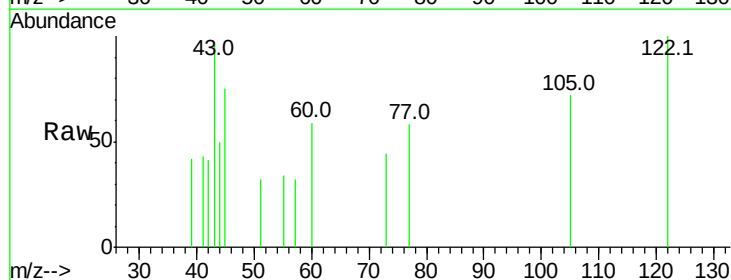


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

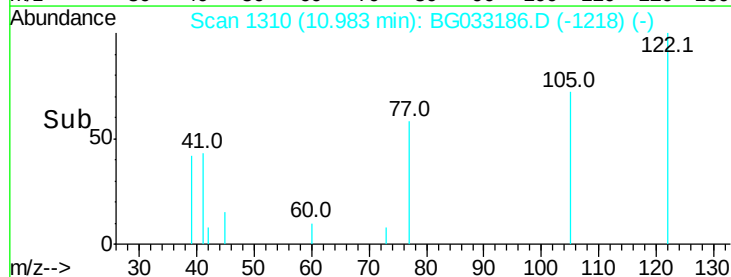
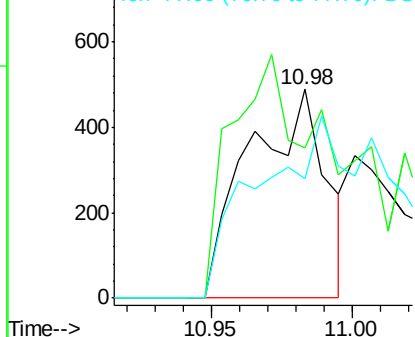


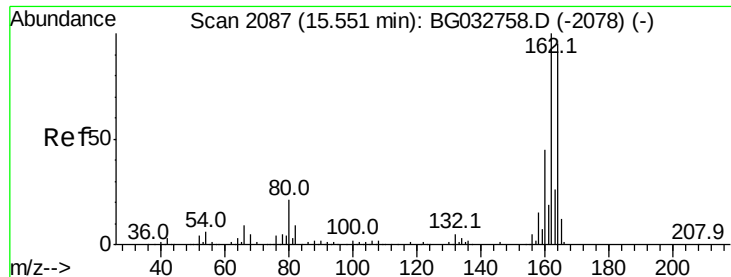
#32
Benzoic acid
Concen: 6.726 ng
RT: 10.98 min Scan# 1310
Delta R.T. 0.01 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion:122 Resp: 922
Ion Ratio Lower Upper
122 100
105 71.9 123.5 163.5#
77 57.6 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): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

Instrument :

BNA_G

ClientSampleId :

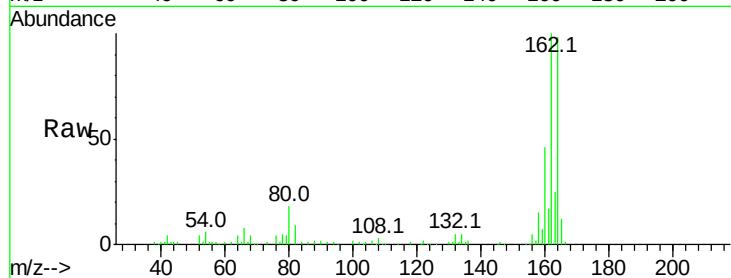
Tot Ion:164 Resp: 80937

Ion Ratio Lower Upper

164 100

162 102.2 78.8 118.2

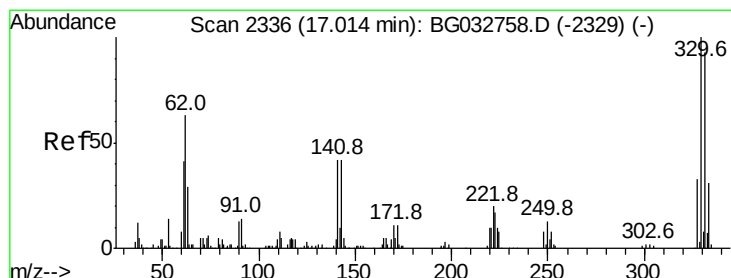
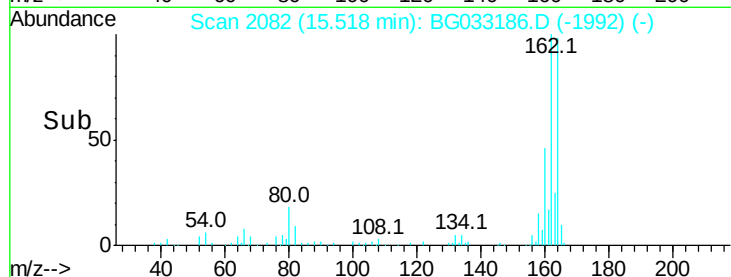
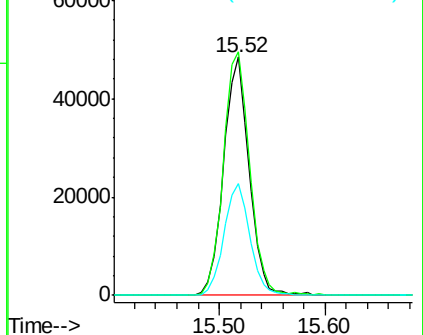
160 47.1 35.4 53.0



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: 246.600 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

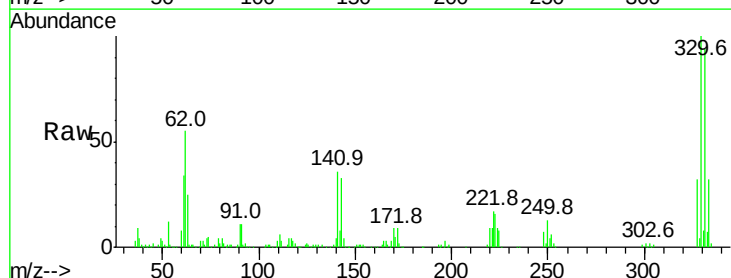
Tgt Ion:330 Resp: 209863

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

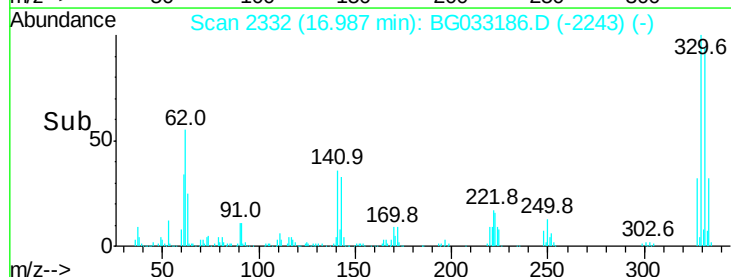
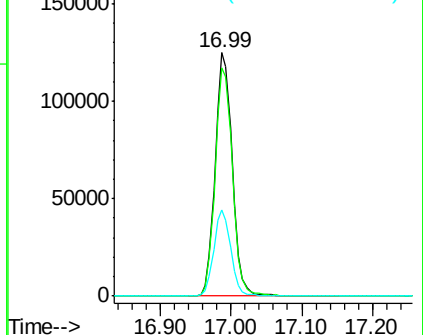
141 35.1 25.2 37.8

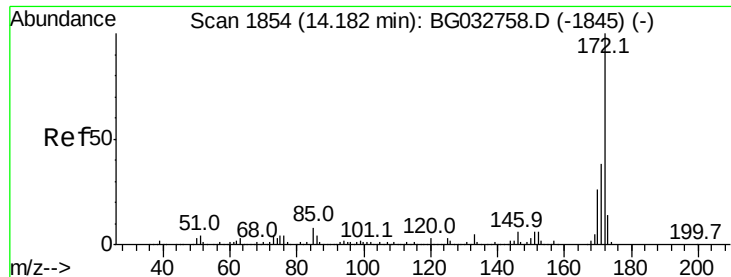


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

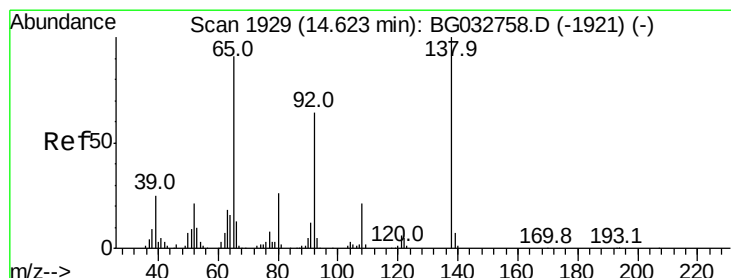
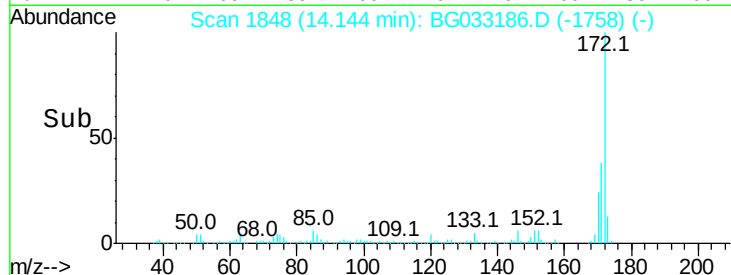
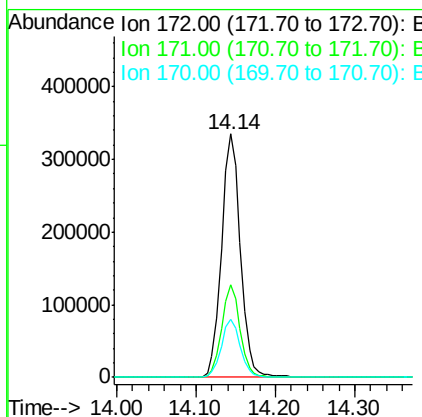
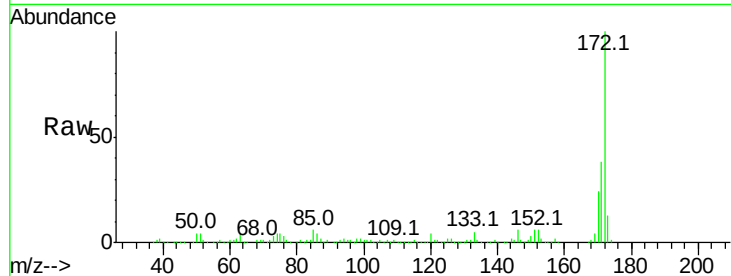




#44
2-Fluorobiphenyl
Concen: 98.264 ng
RT: 14.14 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

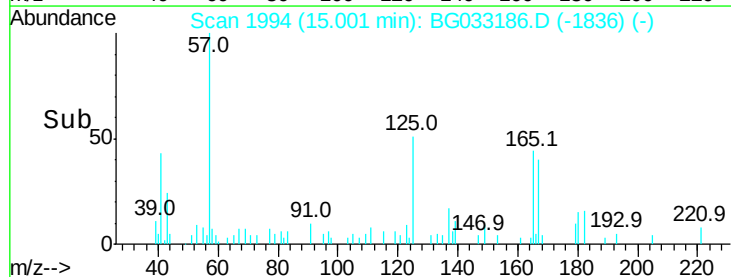
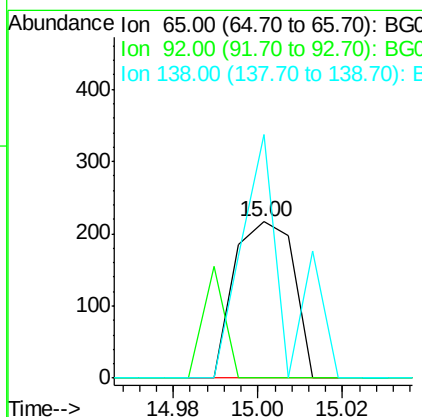
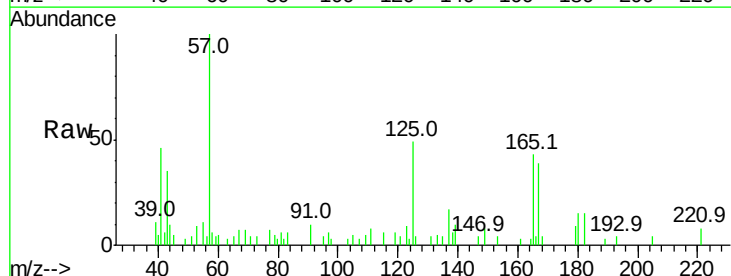
Instrument :
BNA_G
ClientSampleId :

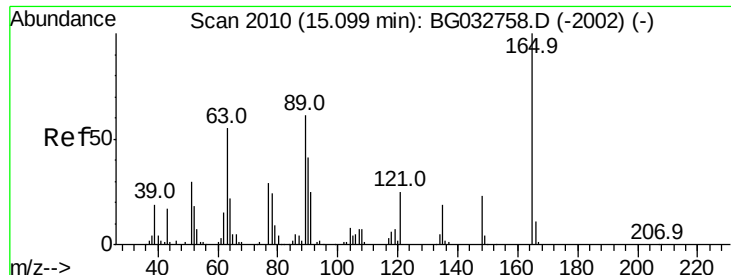
Tot Ion:172 Resp: 551445
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 23.8 19.5 29.3



#47
2-Nitroaniline
Concen: 9.962 ng
RT: 15.00 min Scan# 1994
Delta R.T. 0.40 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion: 65 Resp: 211
Ion Ratio Lower Upper
65 100
92 0.0 54.6 82.0#
138 156.0 72.9 109.3#

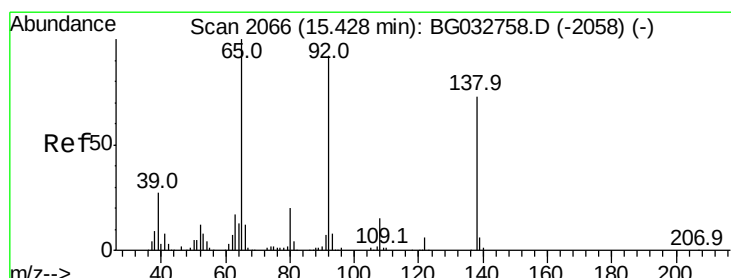
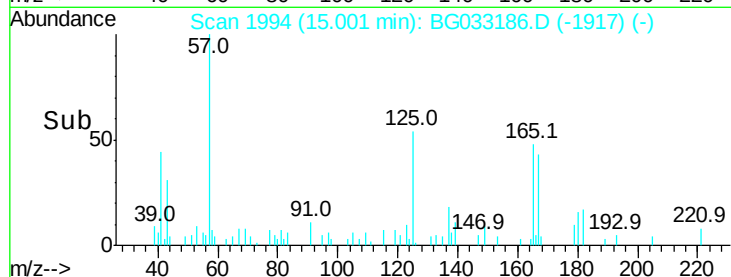
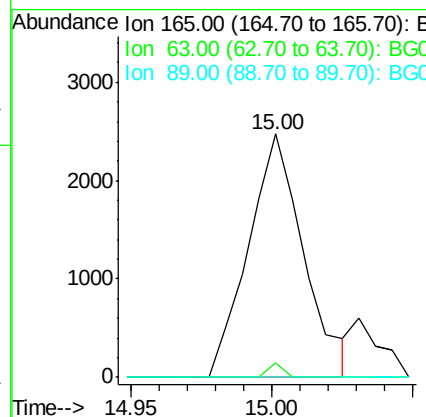
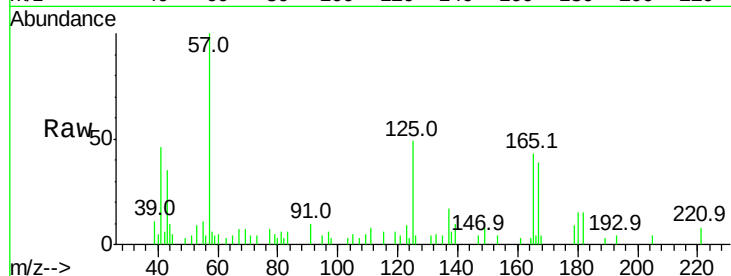




#50
2,6-Dinitrotoluene
Concen: 11.297 ng
RT: 15.00 min Scan# 1994
Delta R.T. -0.08 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

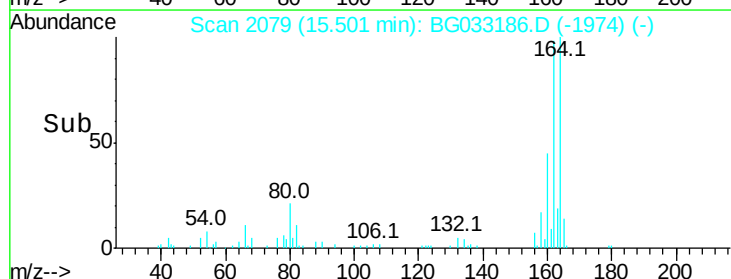
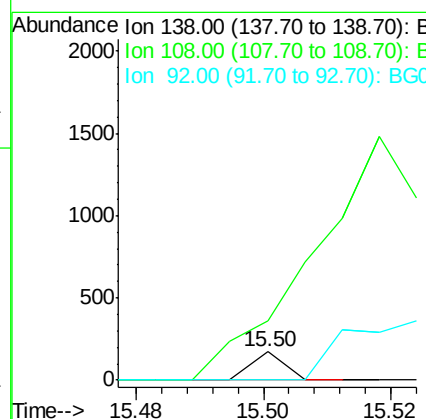
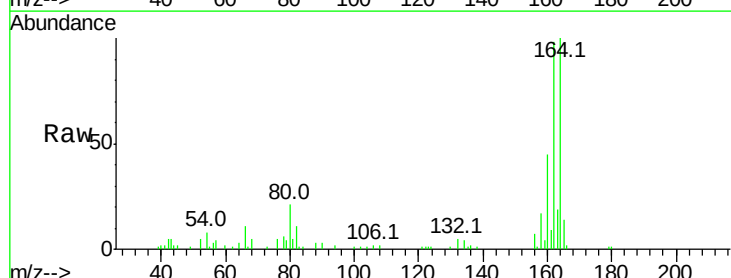
Instrument :
BNA_G
ClientSampleId :

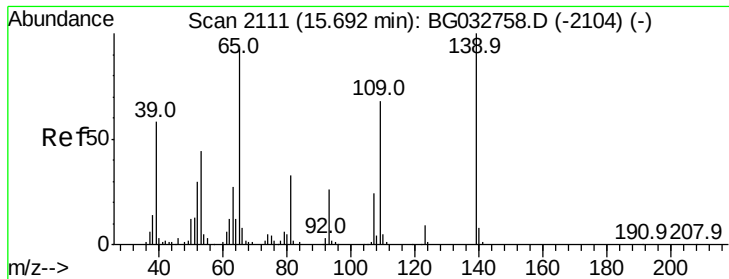
Tot Ion:165 Resp: 3350
Ion Ratio Lower Upper
165 100
63 6.1 52.7 79.1#
89 0.0 49.2 73.8#



#52
3-Nitroaniline
Concen: 7.580 ng
RT: 15.50 min Scan# 2079
Delta R.T. 0.09 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
108 208.7 17.5 26.3#
92 0.0 105.8 158.8#

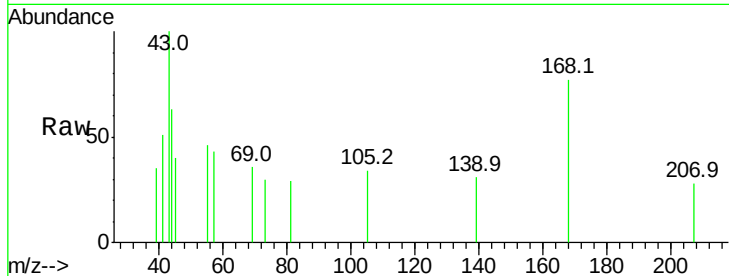




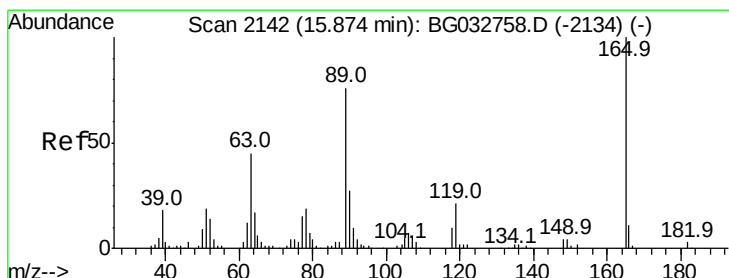
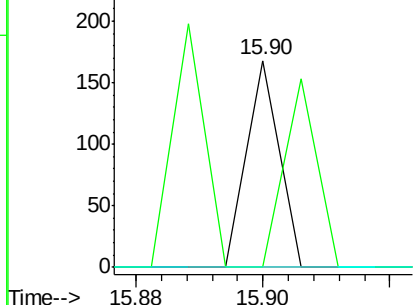
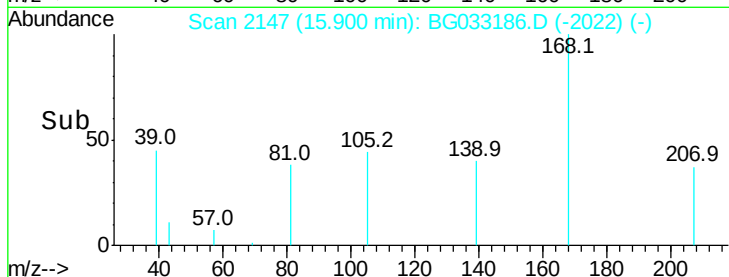
#55
4-Nitrophenol
Concen: 7.128 ng
RT: 15.90 min Scan# 2147
Delta R.T. 0.21 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#

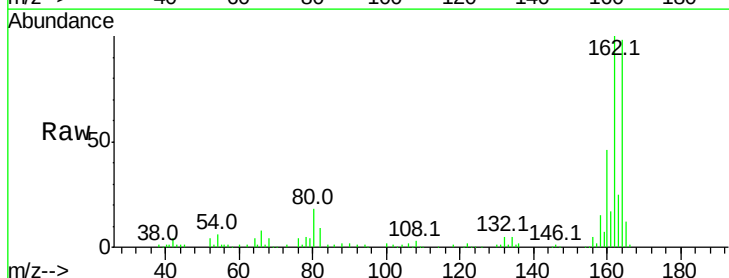


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

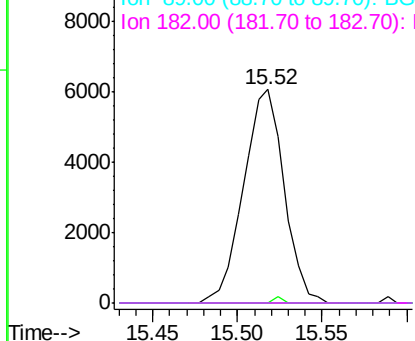
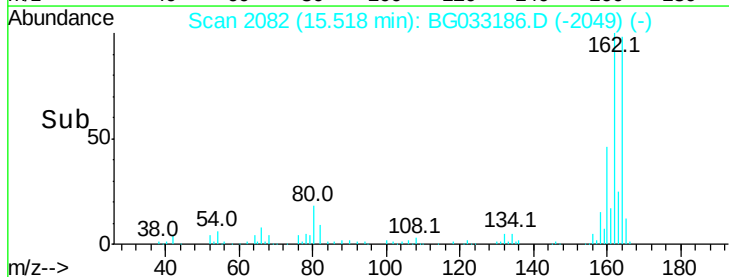


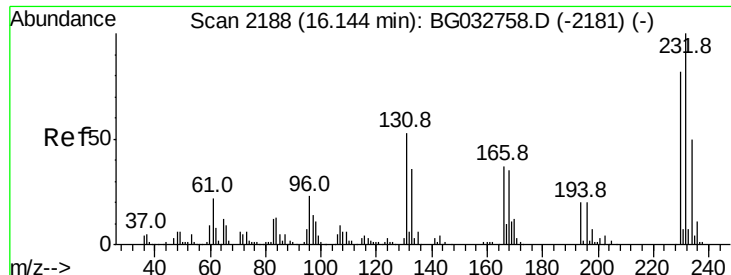
#56
2,4-Dinitrotoluene
Concen: 14.328 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.33 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	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

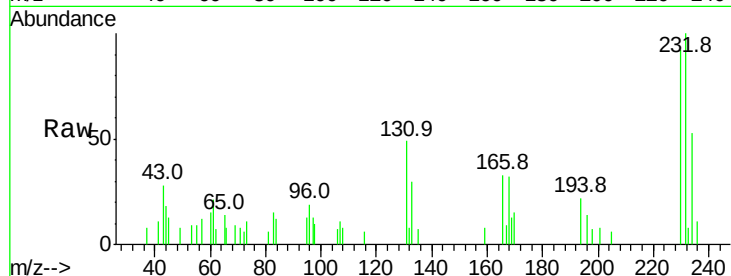




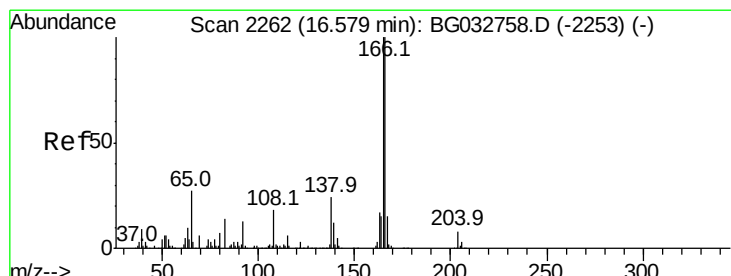
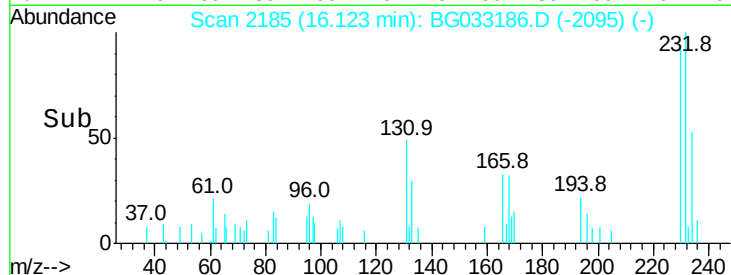
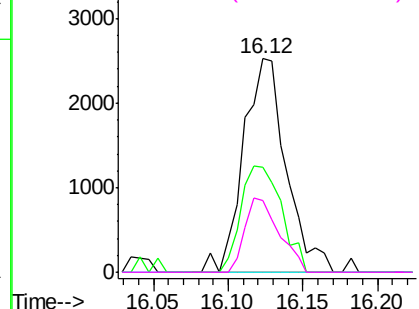
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 3.672 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. 0.00 min
 Lab File: BG033186.D
 Acq: 15 Mar 2018 21:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:232 Resp: 4999
 Ion Ratio Lower Upper
 232 100
 131 47.8 33.5 50.3
 130 0.0 2.2 3.2#
 166 27.9 24.8 37.2

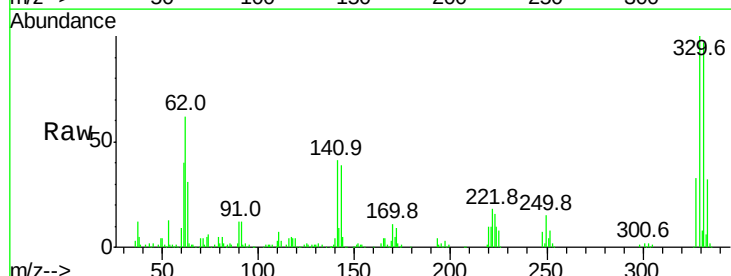


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

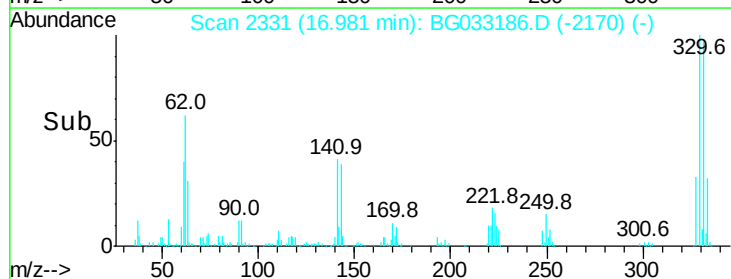
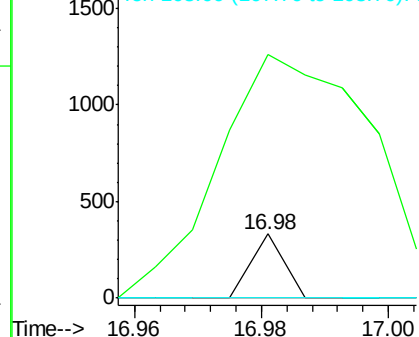


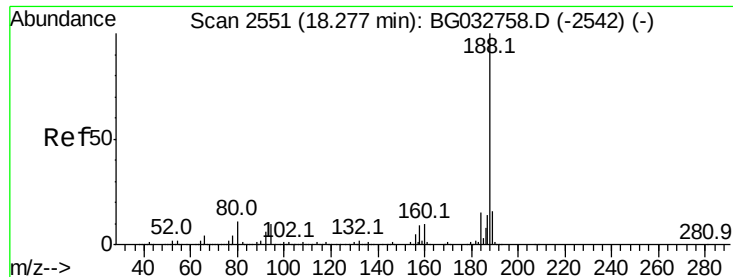
#61
 4-Nitroaniline
 Concen: 5.370 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.42 min
 Lab File: BG033186.D
 Acq: 15 Mar 2018 21:02

Tgt Ion:138 Resp: 117
 Ion Ratio Lower Upper
 138 100
 92 378.7 40.1 80.1#
 108 0.0 65.4 105.4#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E

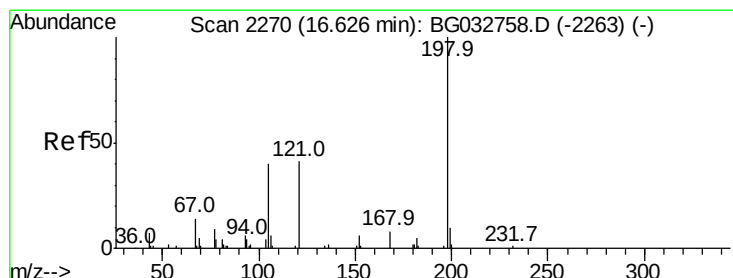
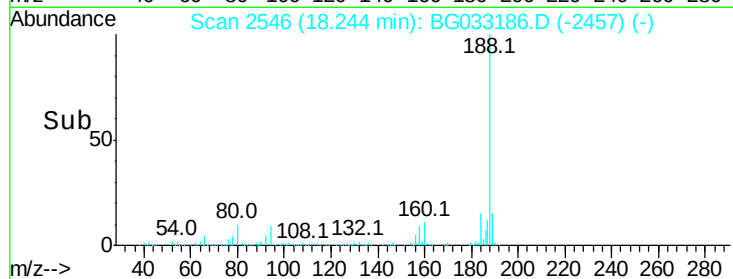
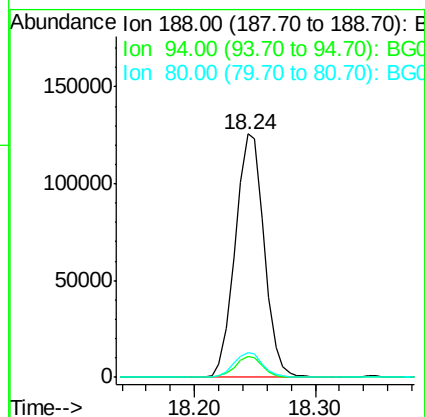
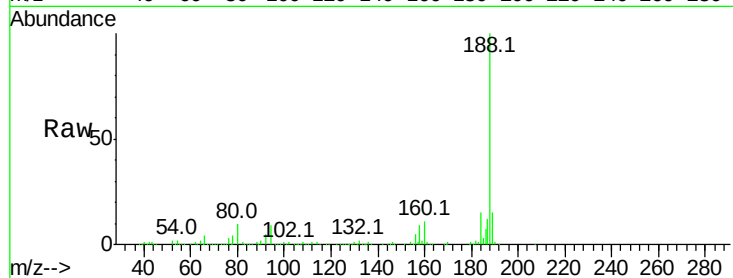




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

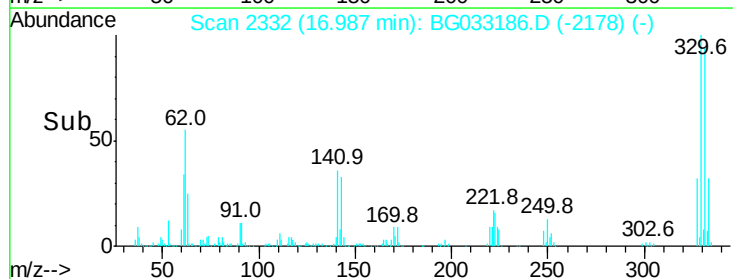
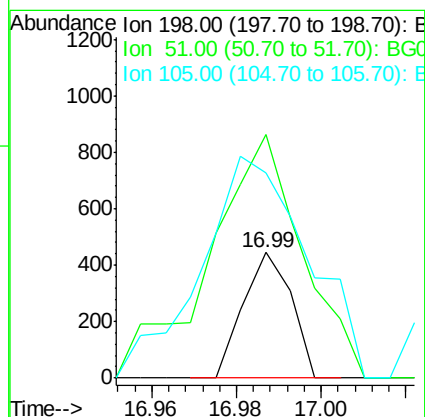
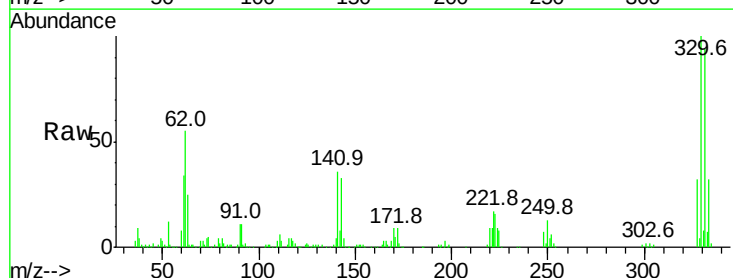
Instrument :
BNA_G
ClientSampleId :

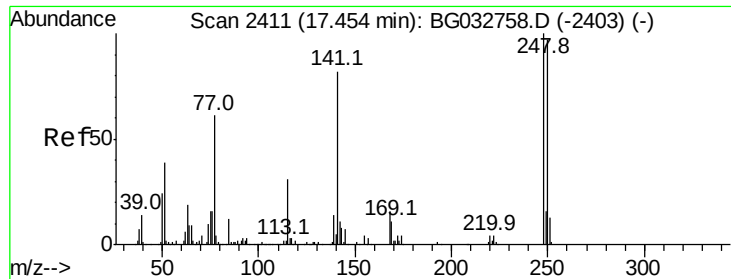
Tot Ion:188 Resp: 209402
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 10.1 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.661 ng
RT: 16.99 min Scan# 2332
Delta R.T. 0.38 min
Lab File: BG033186.D
Acq: 15 Mar 2018 21:02

Tgt Ion:198 Resp: 351
Ion Ratio Lower Upper
198 100
51 194.4 30.6 70.6#
105 163.3 23.8 63.8#

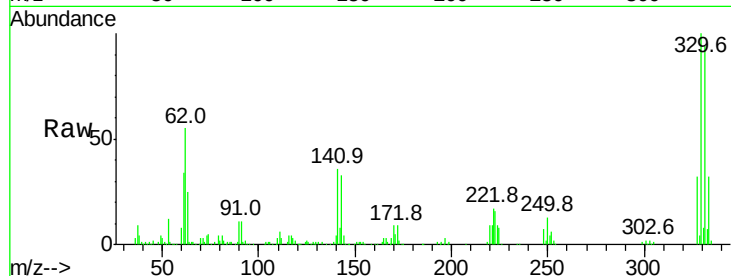




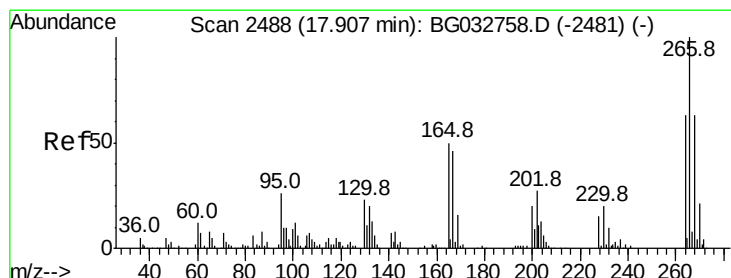
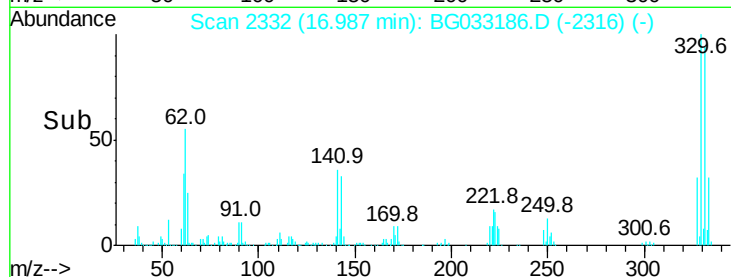
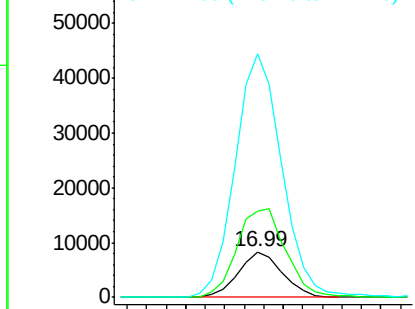
#66
 4-Bromophenyl-phenylether
 Concen: 5.844 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033186.D
 Acq: 15 Mar 2018 21:02

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12940
 Ion Ratio Lower Upper
 248 100
 250 190.3 77.1 115.7#
 141 536.6 50.8 76.2#

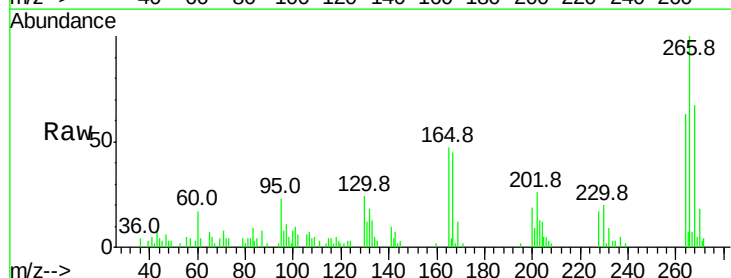


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

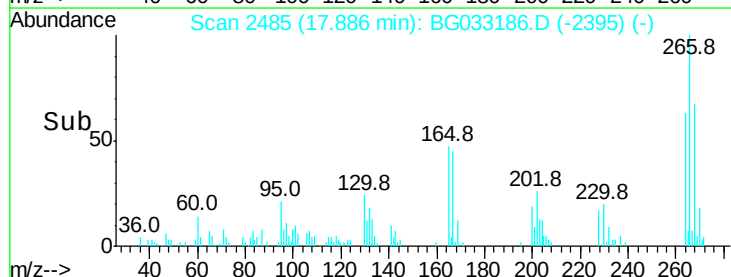
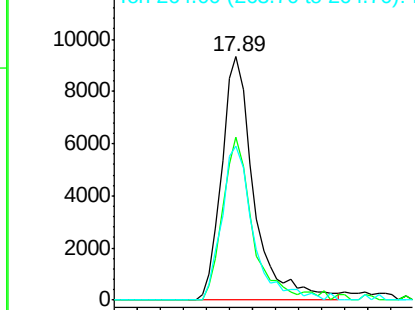


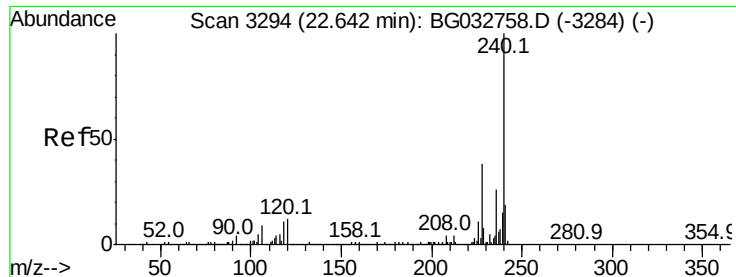
#69
 Pentachlorophenol
 Concen: 12.030 ng
 RT: 17.89 min Scan# 2485
 Delta R.T. 0.00 min
 Lab File: BG033186.D
 Acq: 15 Mar 2018 21:02

Tgt Ion:266 Resp: 18132
 Ion Ratio Lower Upper
 266 100
 268 67.1 51.1 76.7
 264 63.2 49.6 74.4



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

Instrument :

BNA_G

ClientSampleId :

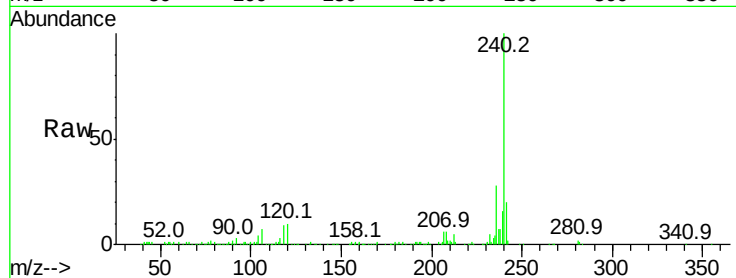
Tot Ion:240 Resp: 216112

Ion Ratio Lower Upper

240 100

120 10.0 6.8 10.2

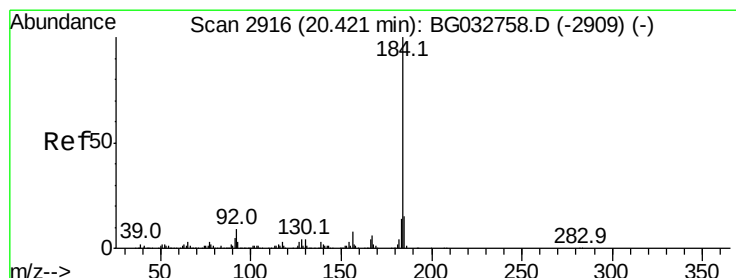
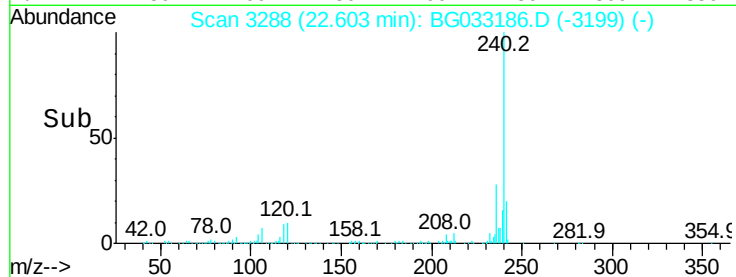
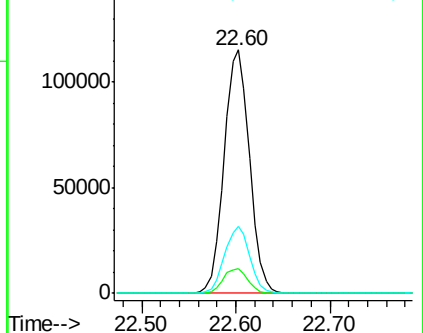
236 27.6 20.9 31.3



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: 2.364 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.36 min

Lab File: BG033186.D

Acq: 15 Mar 2018 21:02

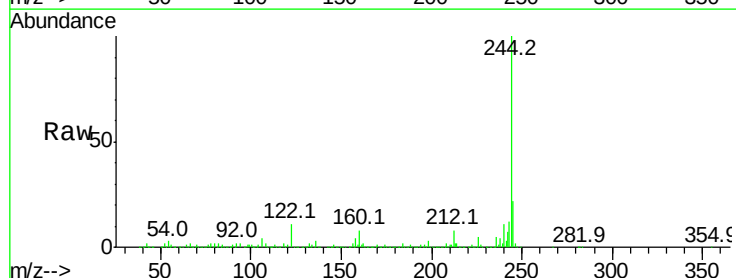
Tgt Ion:184 Resp: 17414

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

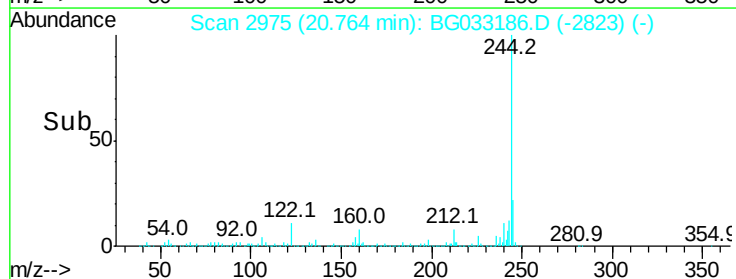
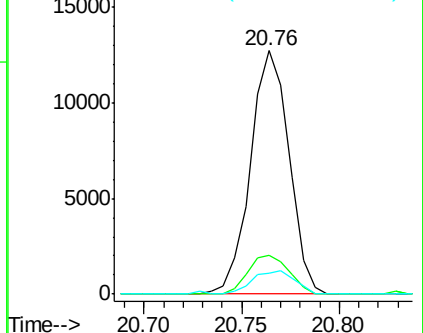
183 8.8 10.6 16.0#

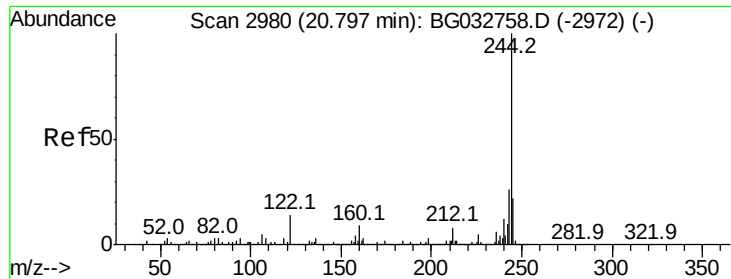


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

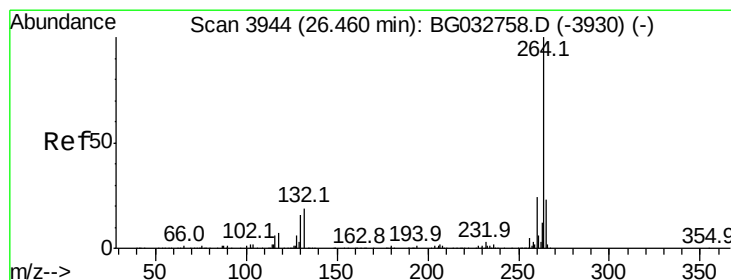
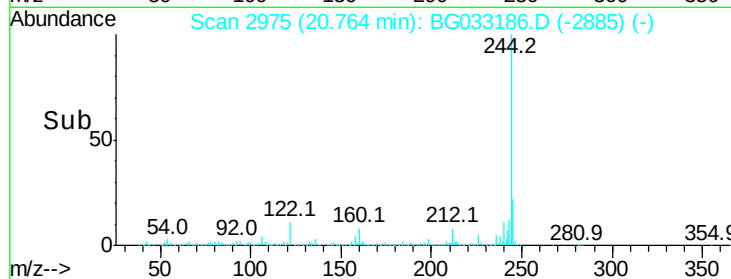
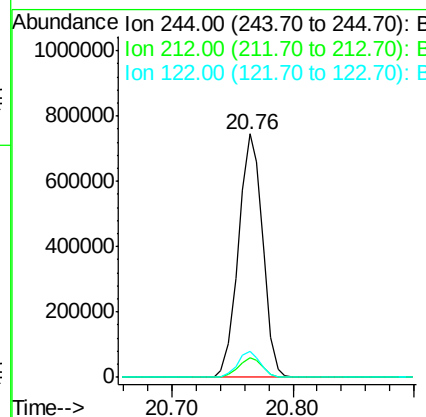
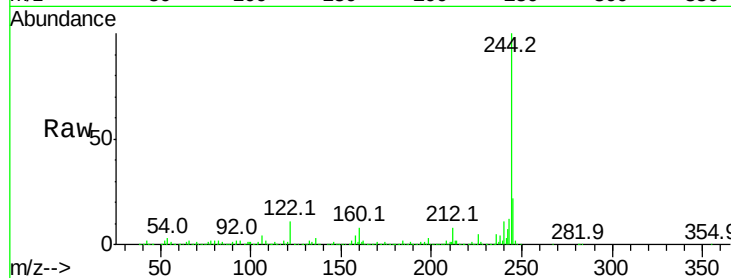




#78
 Terphenyl-d14
 Concen: 107.739 ng
 RT: 20.76 min Scan# 2975
 Delta R.T. 0.00 min
 Lab File: BG033186.D
 Acq: 15 Mar 2018 21:02

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1036339
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.8 8.8
 122 10.6 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.40 min Scan# 3935
 Delta R.T. -0.01 min
 Lab File: BG033186.D
 Acq: 15 Mar 2018 21:02

Tgt Ion:264 Resp: 239057
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.4 26.0
 265 22.2 17.7 26.5

