

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033446.D
 Acq On : 30 Mar 2018 9:23
 Operator : SJ/JU
 Sample : J2102-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 10:50:43 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	32944	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	153748	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	113817	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	299423	20.00	ng	0.00
75) Chrysene-d12	22.56	240	321253	20.00	ng	0.00
86) Perylene-d12	26.33	264	343643	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.30	112	282251	160.65	ng	0.00
7) Phenol-d6	7.98	99	433114	143.48	ng	0.00
23) Nitrobenzene-d5	10.07	82	347424	103.82	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	274803	161.43	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	829244	105.18	ng	0.00
78) Terphenyl-d14	20.73	244	1287216	85.69	ng	0.00

Target Compounds

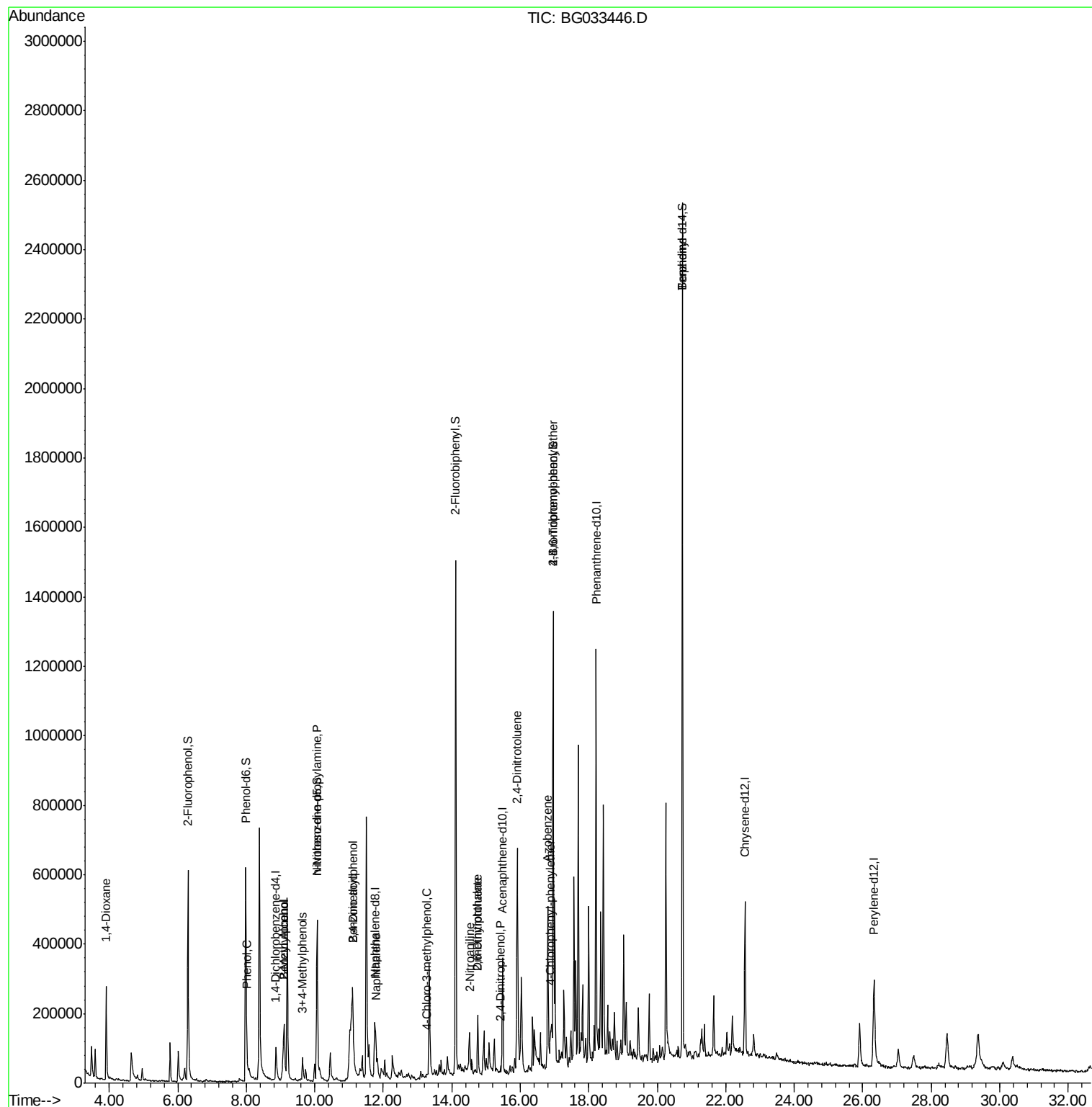
						Qvalue
2) 1,4-Dioxane	3.90	88	19374	21.714	ng	# 1
10) Phenol	8.02	94	11417	3.831	ng	# 61
15) Benzyl Alcohol	9.10	79	75073	31.587	ng	# 85
17) 2-Methylphenol	9.11	107	33223	16.363	ng	# 2
19) n-Nitroso-di-n-propylamine	10.06	70	49752	22.492	ng	# 74
20) 3+4-Methylphenols	9.64	107	41057	14.203	ng	# 88
27) 2,4-Dimethylphenol	11.11	122	240833	122.251	ng	# 1
31) Naphthalene	11.80	128	22897	2.874	ng	# 97
32) Benzoic acid	11.11	122	240833	131.508	ng	# 94
36) 4-Chloro-3-methylphenol	13.28	107	6512	2.061	ng	# 22
47) 2-Nitroaniline	14.53	65	5375	2.128	ng	# 22
49) Dimethylphthalate	14.76	163	24881	2.512	ng	# 1
50) 2,6-Dinitrotoluene	14.75	165	5017	2.477	ng	# 66
53) 2,4-Dinitrophenol	15.43	184	56	7.691	ng	# 1
56) 2,4-Dinitrotoluene	15.91	165	12417	4.164	ng	# 32
60) 4-Chlorophenyl-phenylether	16.88	204	11339	2.161	ng	# 30
62) Azobenzene	16.81	77	34694	3.724	ng	# 20
66) 4-Bromophenyl-phenylether	16.96	248	20241	5.756	ng	# 1
76) Benzidine	20.73	184	21796	2.502	ng	# 88

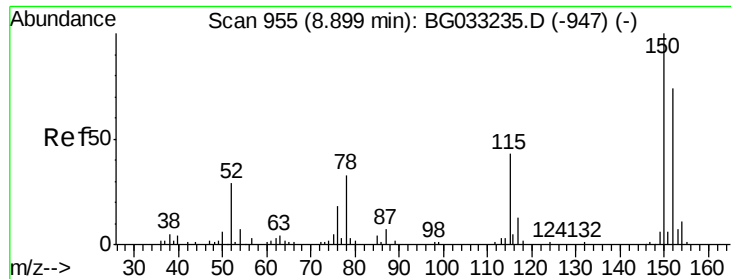
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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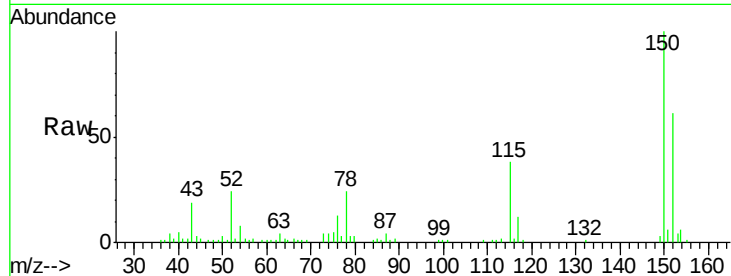


#1

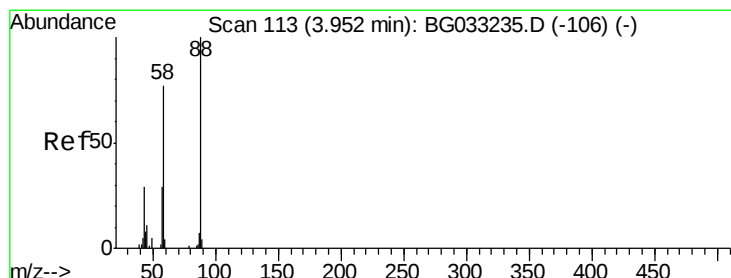
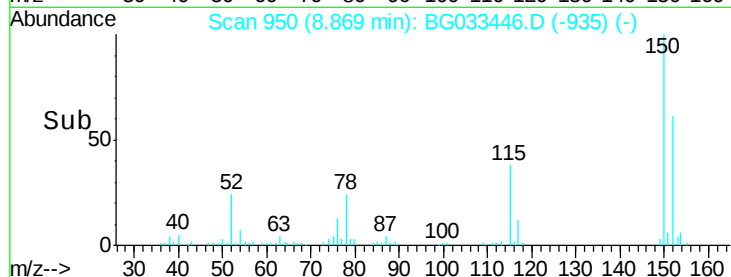
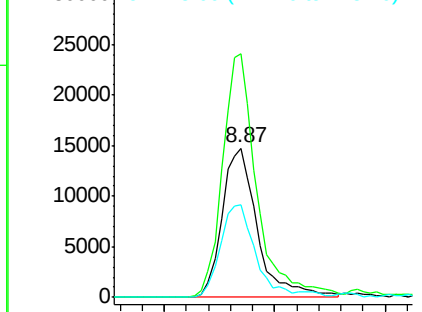
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 950
Delta R.T. -0.01 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 32944
Ion Ratio Lower Upper
152 100
150 163.0 126.6 189.8
115 61.7 53.0 79.4



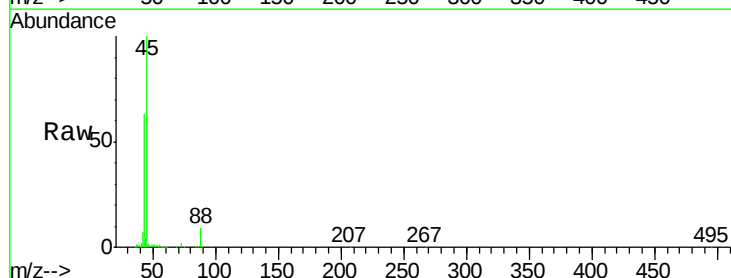
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



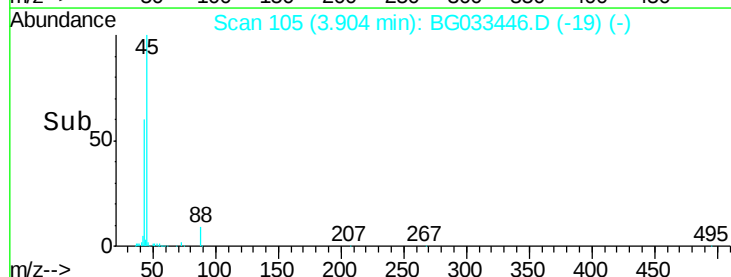
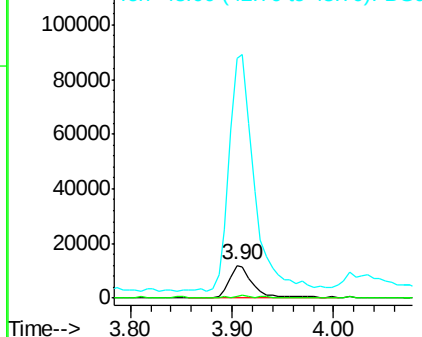
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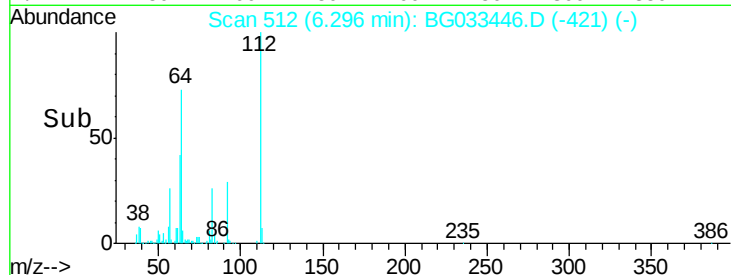
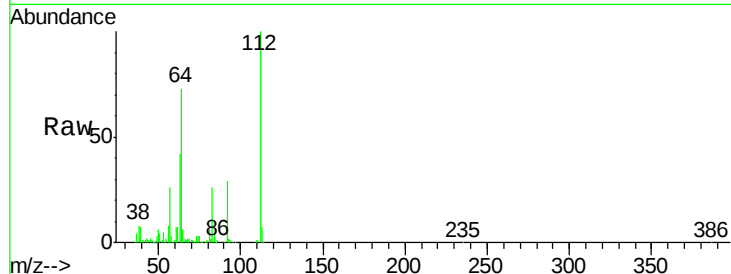
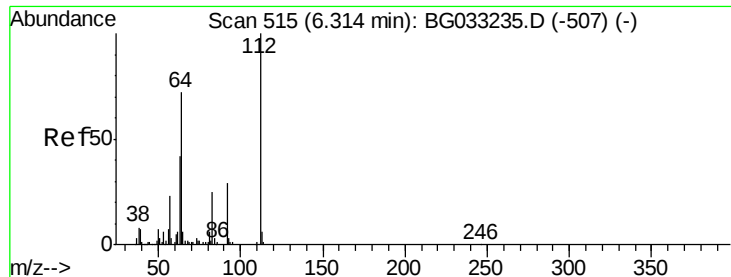
1,4-Dioxane
Concen: 21.714 ng
RT: 3.90 min Scan# 105
Delta R.T. -0.03 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion: 88 Resp: 19374
Ion Ratio Lower Upper
88 100
58 6.2 79.6 119.4#
43 774.0 27.4 41.0#



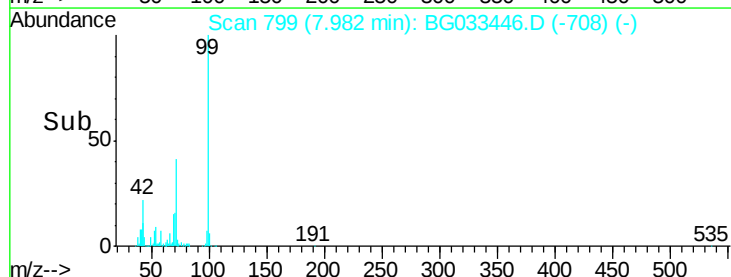
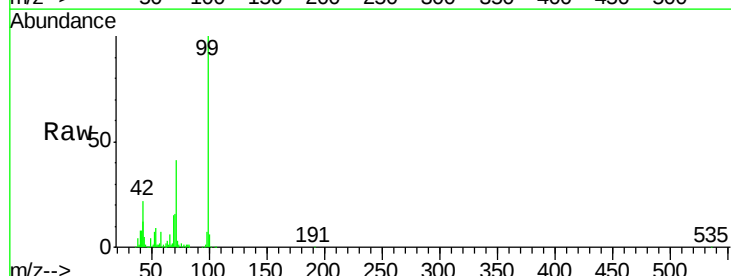
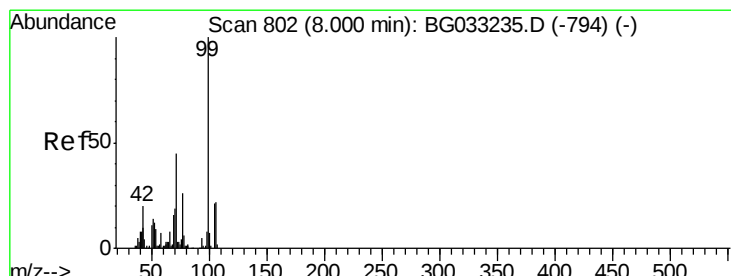
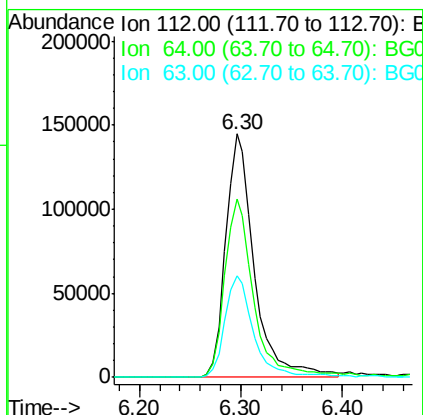
Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





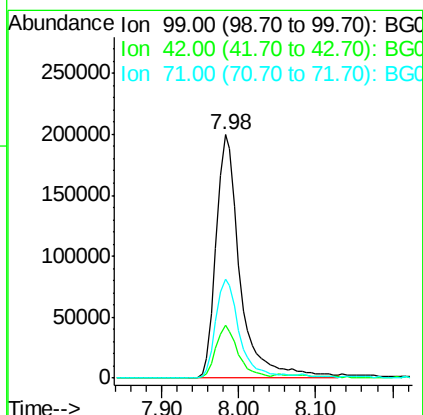
#5
2-Fluorophenol
Concen: 160.653 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

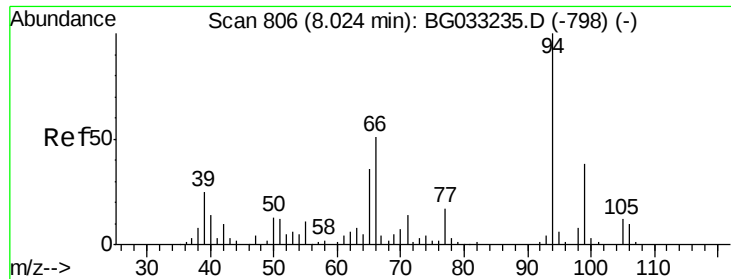
Tot Ion:	112	Resp:	282251
Ion	Ratio	Lower	Upper
112	100		
64	73.1	56.3	84.5
63	41.9	30.1	45.1



#7
Phenol-d6
Concen: 143.476 ng
RT: 7.98 min Scan# 799
Delta R.T. 0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion:	99	Resp:	433114
Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.1	21.1#
71	40.7	26.1	39.1#





#10

Phenol

Concen: 3.831 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033446.D

Acq: 30 Mar 2018 9:23

Instrument :

BNA_G

ClientSampleId :

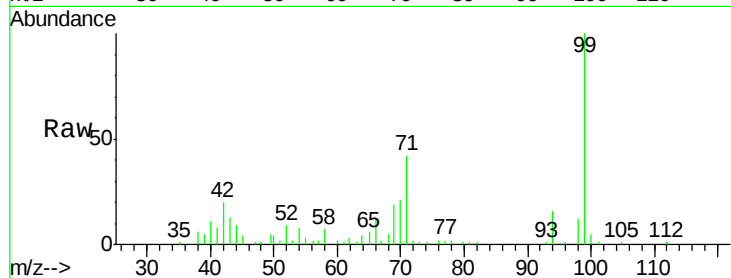
Tot Ion: 94 Resp: 11417

Ion Ratio Lower Upper

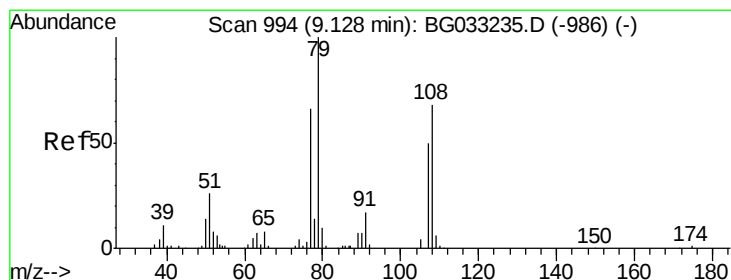
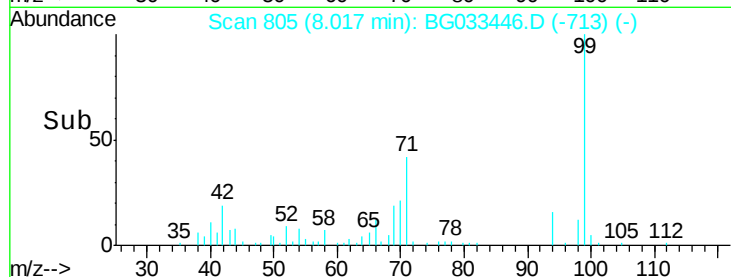
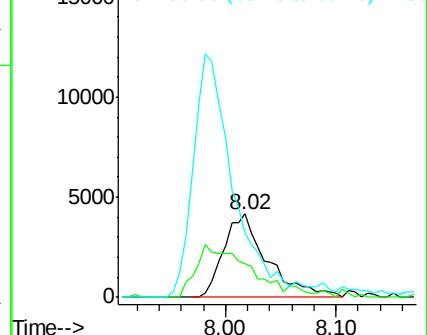
94 100

65 40.8 11.9 51.9

66 77.7 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#15

Benzyl Alcohol

Concen: 31.587 ng

RT: 9.10 min Scan# 990

Delta R.T. -0.00 min

Lab File: BG033446.D

Acq: 30 Mar 2018 9:23

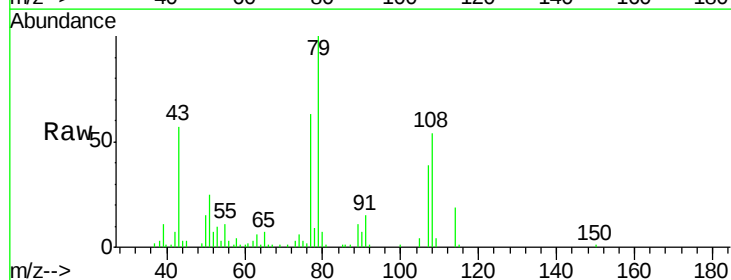
Tgt Ion: 79 Resp: 75073

Ion Ratio Lower Upper

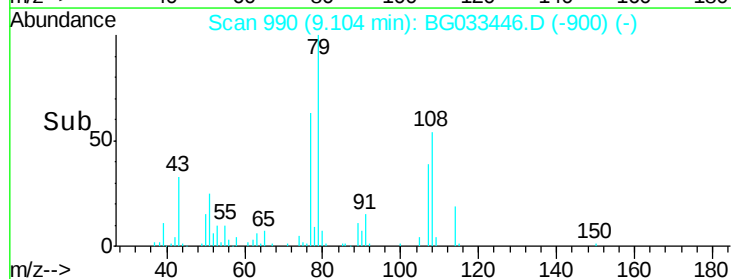
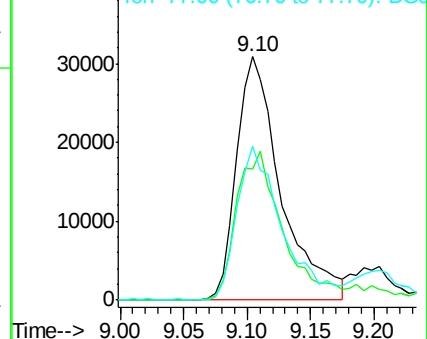
79 100

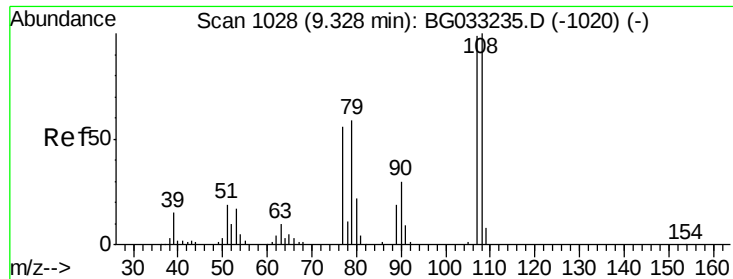
108 53.7 57.2 85.8#

77 63.4 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

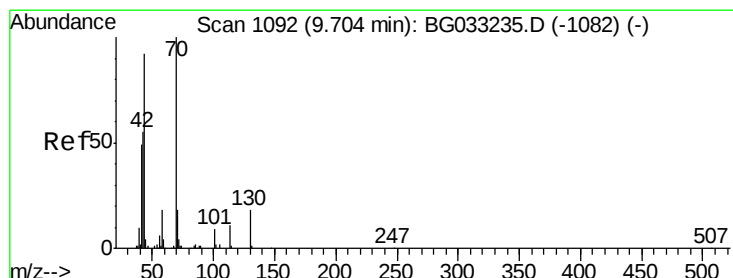
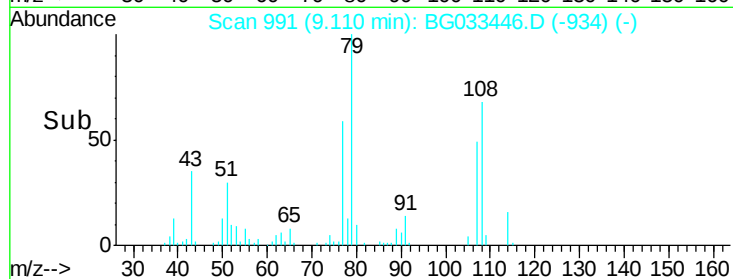
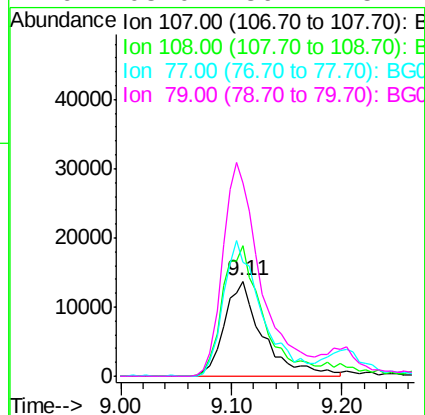
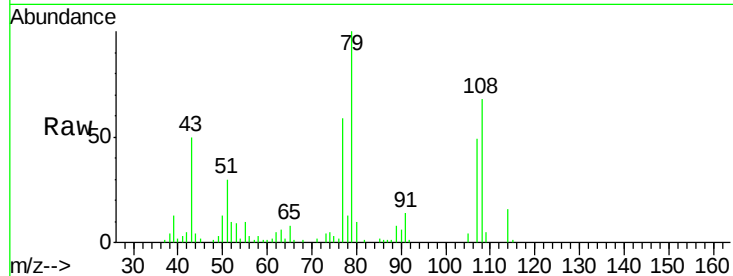




#17
2-Methylphenol
Concen: 16.363 ng
RT: 9.11 min Scan# 991
Delta R.T. -0.20 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

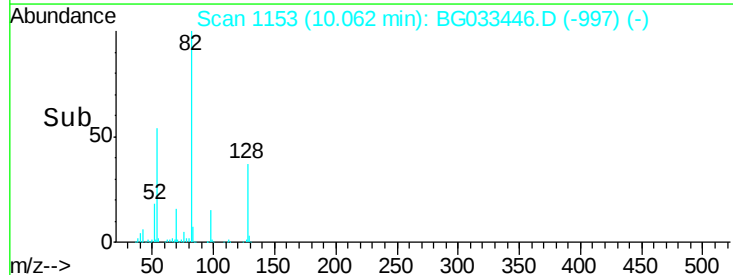
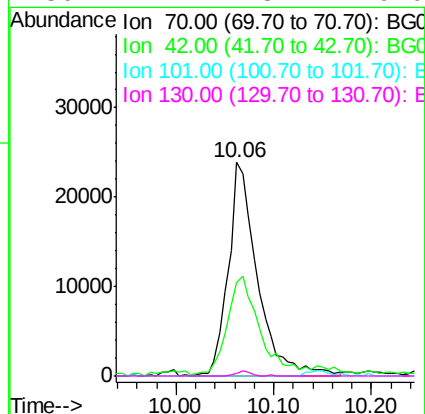
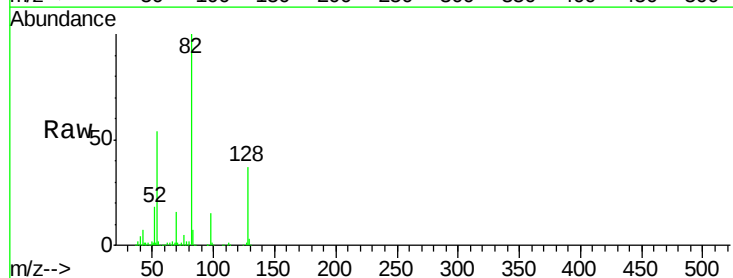
Instrument :
BNA_G
ClientSampled :

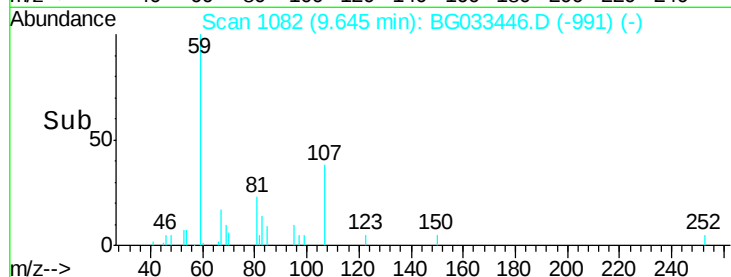
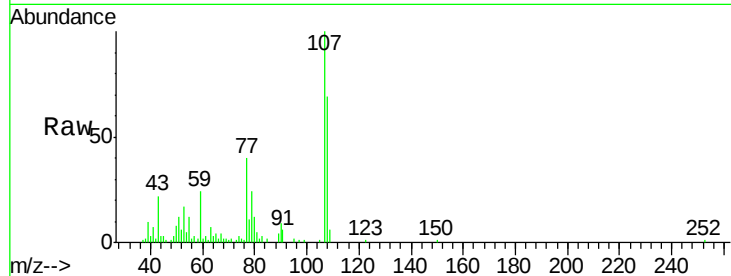
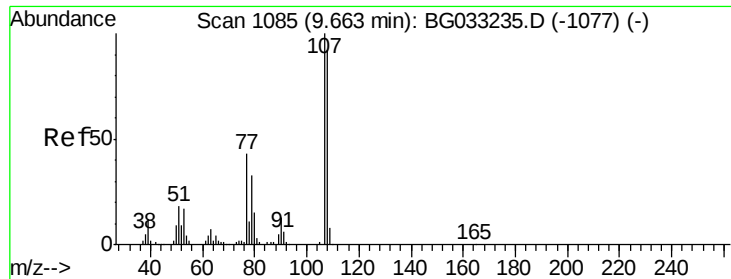
Tot Ion:107 Resp: 33223
Ion Ratio Lower Upper
107 100
108 137.2 83.9 125.9#
77 119.6 37.2 55.8#
79 203.0 36.2 54.2#



#19
n-Nitroso-di-n-propylamine
Concen: 22.492 ng
RT: 10.06 min Scan# 1153
Delta R.T. 0.38 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion: 70 Resp: 49752
Ion Ratio Lower Upper
70 100
42 43.8 49.1 73.7#
101 0.0 8.5 12.7#
130 1.1 13.4 20.0#

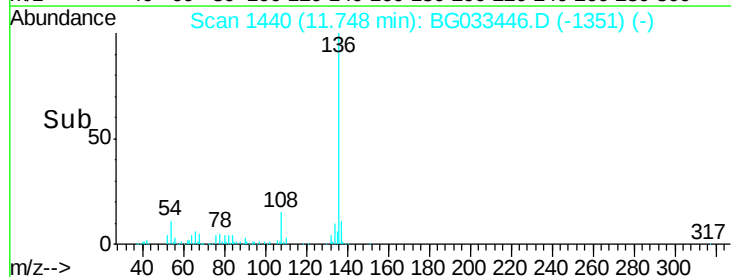
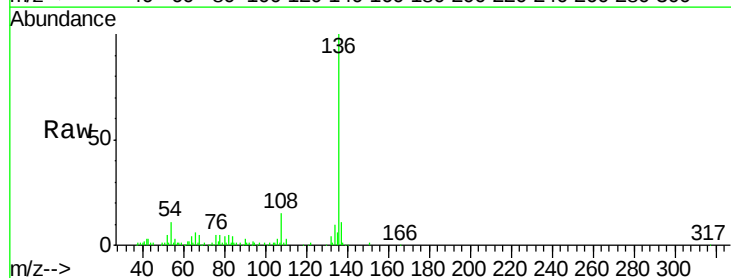
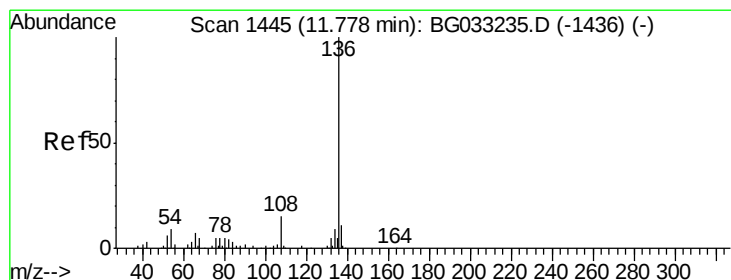
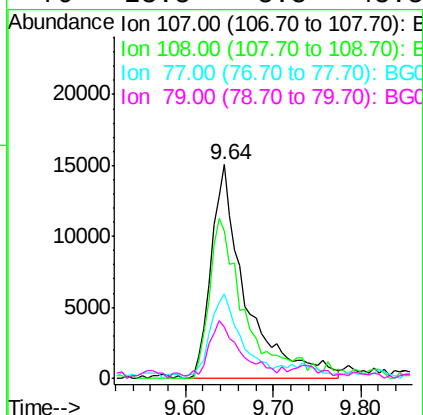




#20
3+4-Methylphenols
Concen: 14.203 ng
RT: 9.64 min Scan# 1082
Delta R.T. 0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

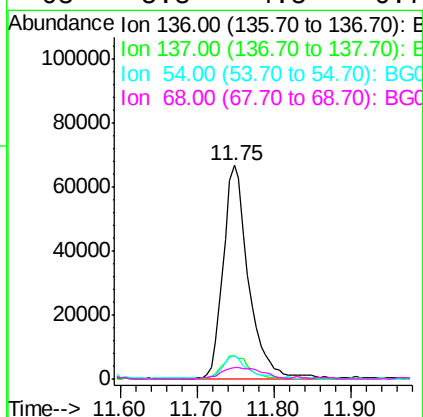
Instrument :
BNA_G
ClientSampleId :

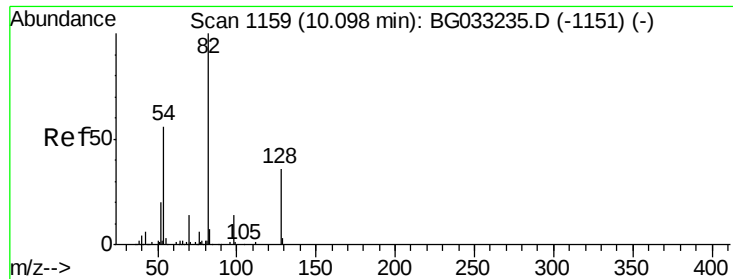
Tot Ion:	107	Resp:	41057
Ion	Ratio	Lower	Upper
107	100		
108	69.0	61.6	101.6
77	39.9	13.9	53.9
79	23.8	8.8	48.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion:	136	Resp:	153748
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	10.6	10.3	15.5
68	5.8	4.5	6.7

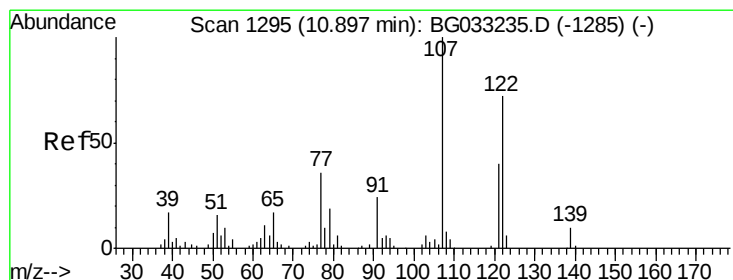
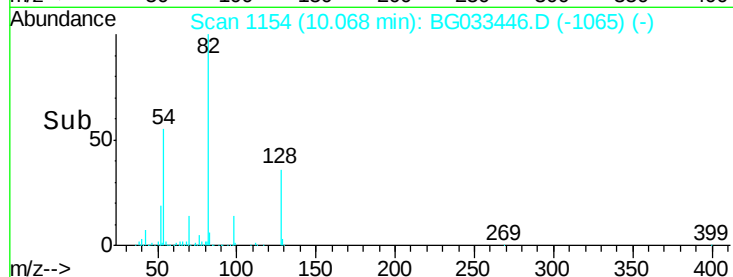
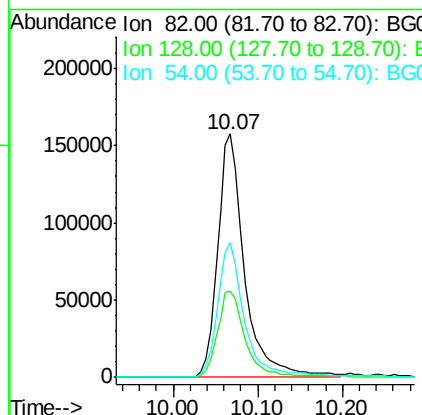
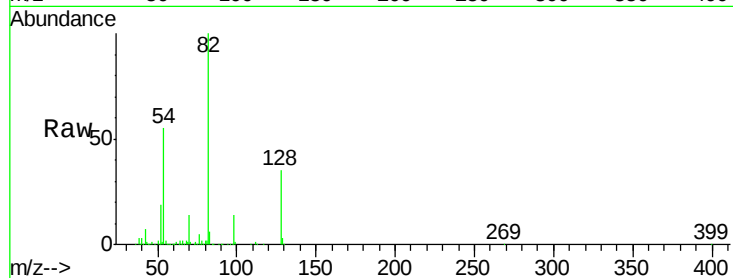




#23
 Nitrobenzene-d5
 Concen: 103.820 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

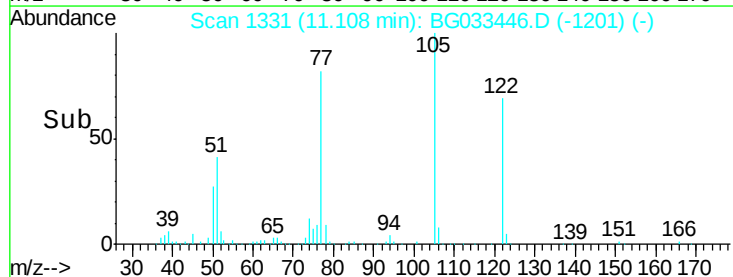
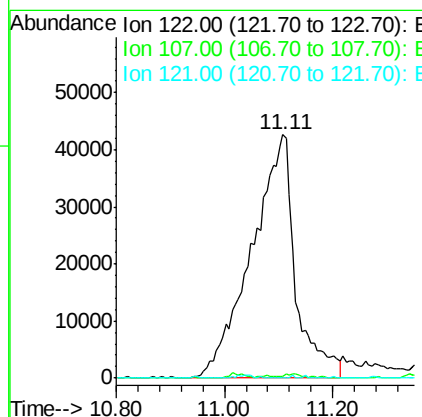
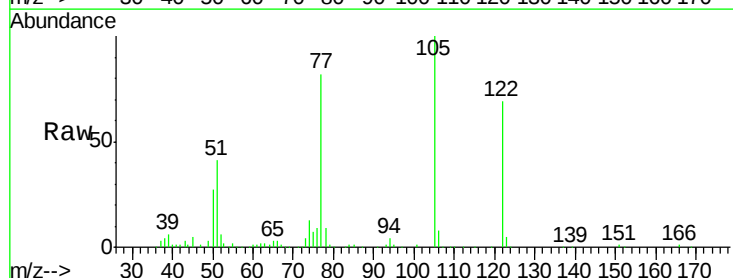
Instrument :
 BNA_G
 ClientSampleId :

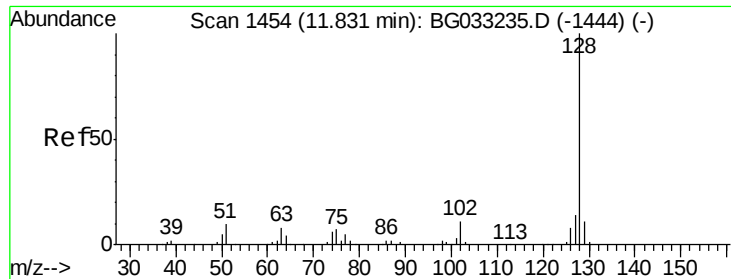
Tot Ion	82	Resp	347424
Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.7	44.5
54	55.3	43.1	64.7



#27
 2,4-Dimethylphenol
 Concen: 122.251 ng
 RT: 11.11 min Scan# 1331
 Delta R.T. 0.23 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

Tgt Ion	122	Resp	240833
Ion	Ratio	Lower	Upper
122	100		
107	0.7	100.2	150.2#
121	0.0	44.4	66.6#

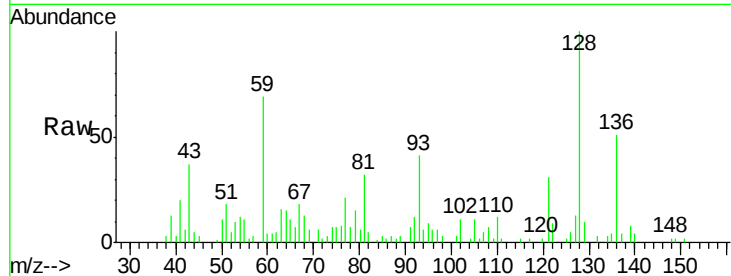




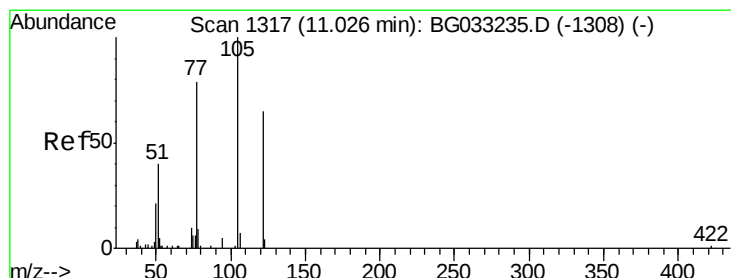
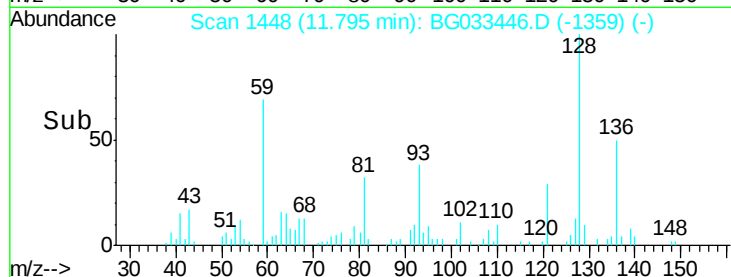
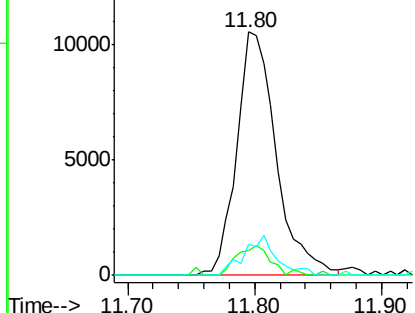
#31
Naphthalene
Concen: 2.874 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 22897
Ion Ratio Lower Upper
128 100
129 9.9 8.6 12.8
127 13.0 11.6 17.4

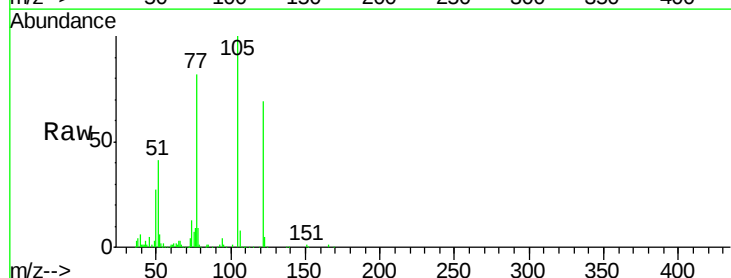


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

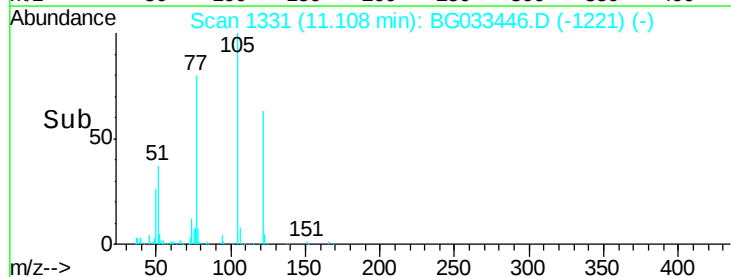
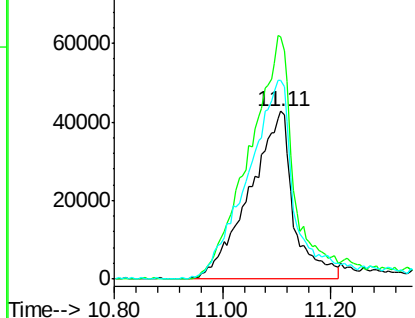


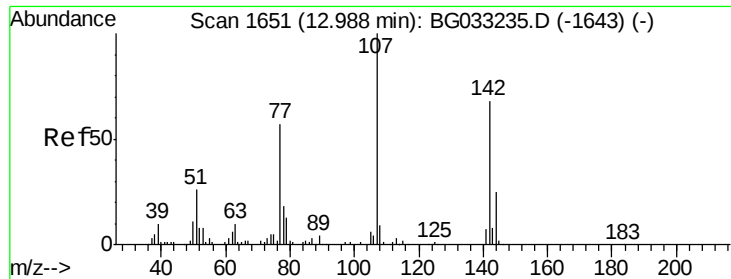
#32
Benzoic acid
Concen: 131.508 ng
RT: 11.11 min Scan# 1331
Delta R.T. 0.11 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion:122 Resp: 240833
Ion Ratio Lower Upper
122 100
105 144.6 123.5 163.5
77 118.5 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

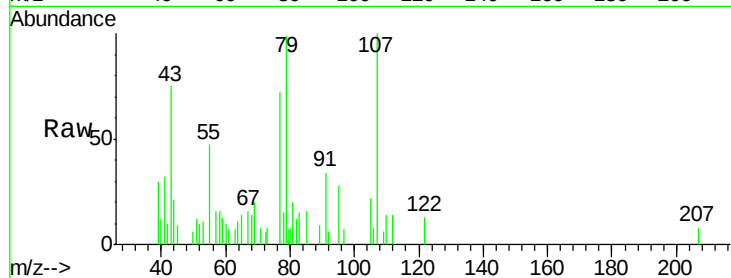




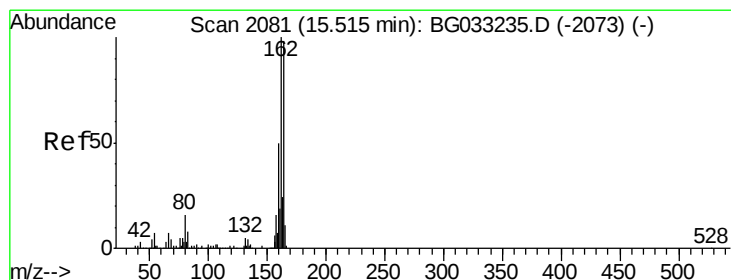
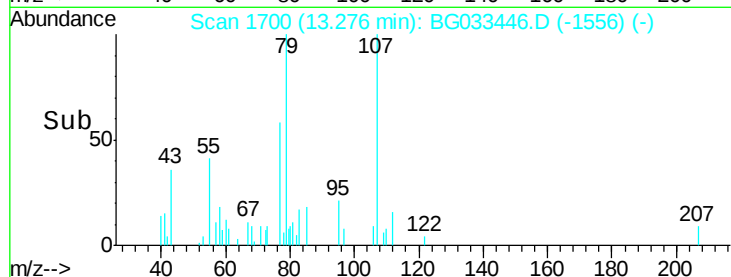
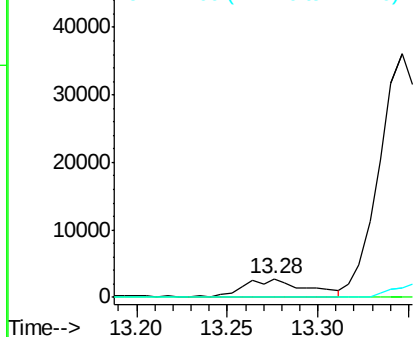
#36
4-Chloro-3-methylphenol
Concen: 2.061 ng
RT: 13.28 min Scan# 1700
Delta R.T. 0.31 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:107 Resp: 6512
Ion Ratio Lower Upper
107 100
144 0.0 18.2 27.4#
142 0.0 59.0 88.4#

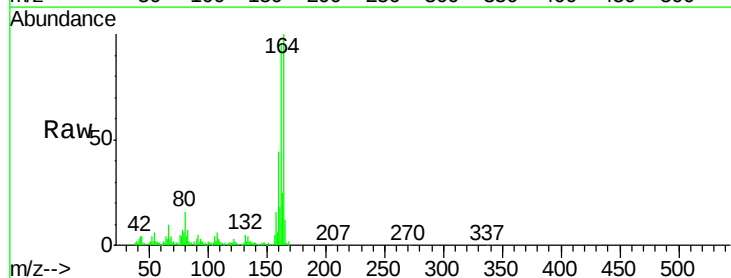


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

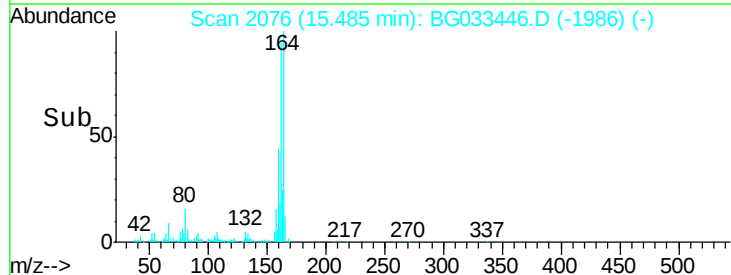
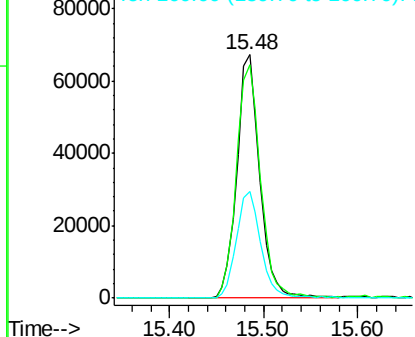


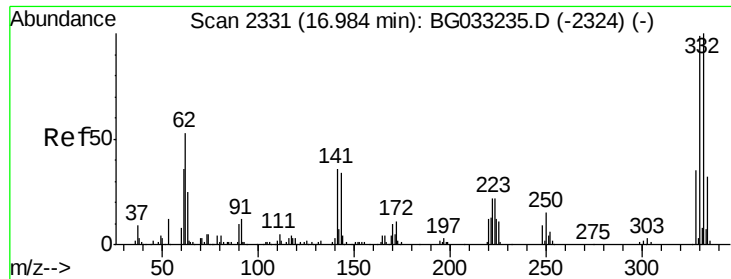
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2076
Delta R.T. -0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion:164 Resp: 113817
Ion Ratio Lower Upper
164 100
162 95.7 78.8 118.2
160 43.9 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

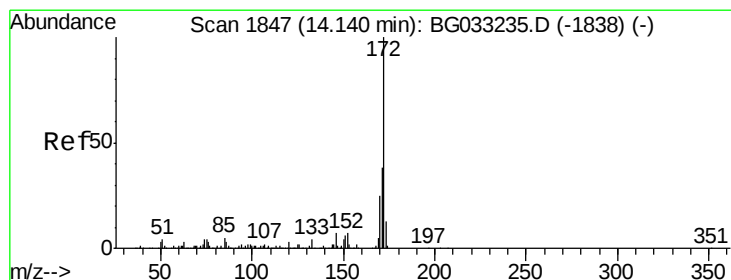
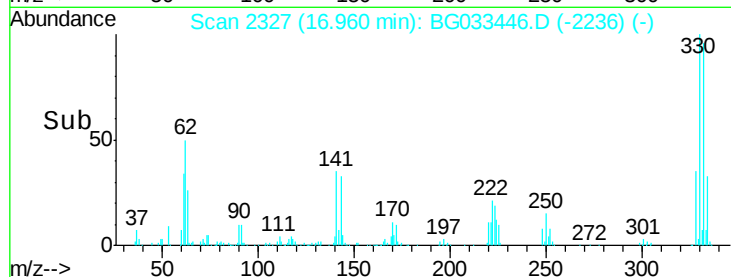
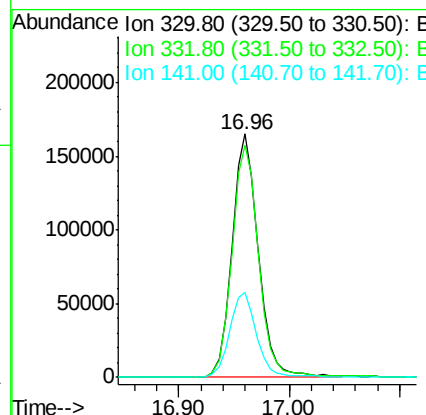
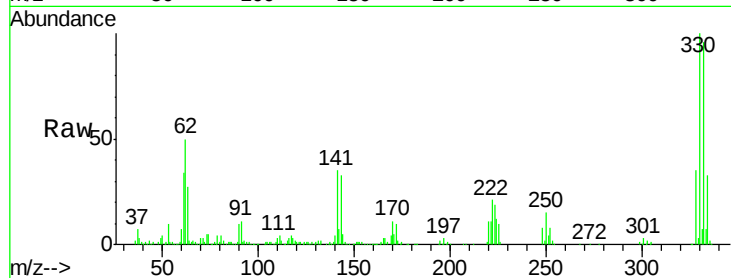




#41
 2,4,6-Tribromophenol
 Concen: 161.434 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

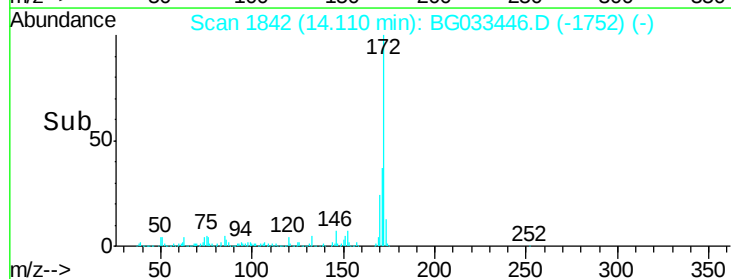
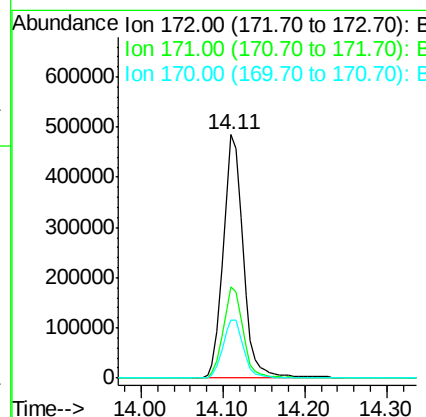
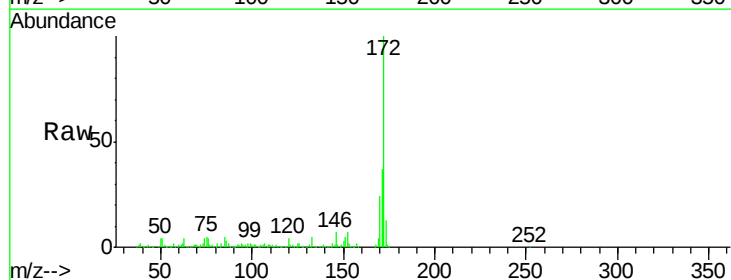
Instrument :
 BNA_G
 ClientSampled :

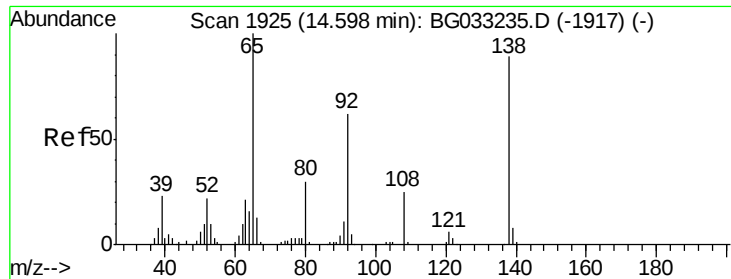
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	35.5	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 105.180 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	24.0	19.5	29.3

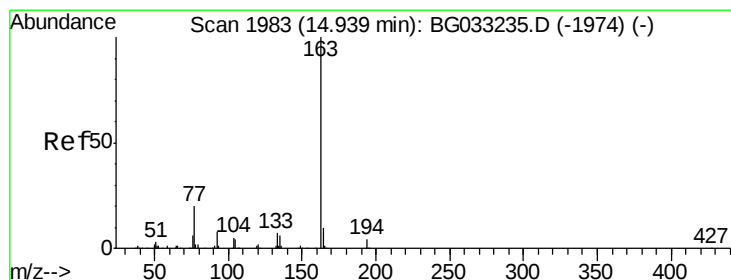
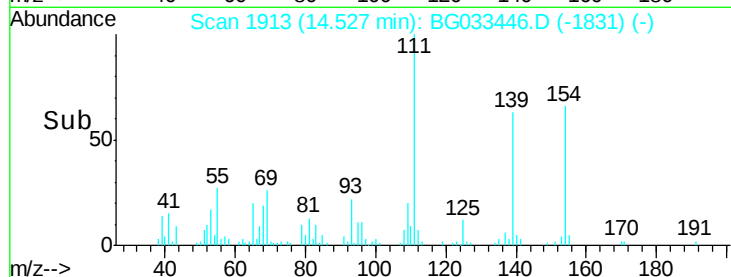
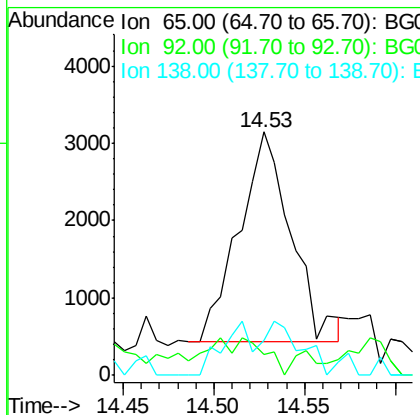
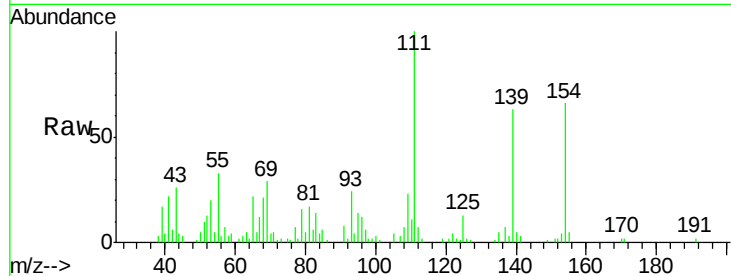




#47
2-Nitroaniline
Concen: 2.128 ng
RT: 14.53 min Scan# 1913
Delta R.T. -0.05 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

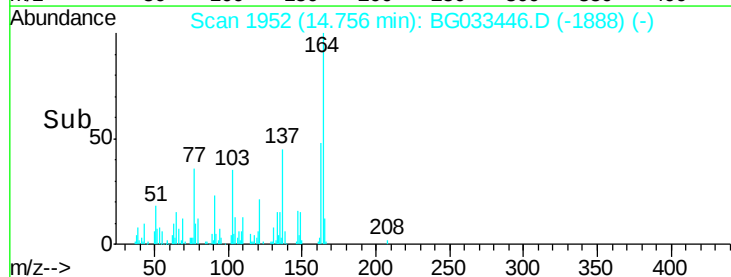
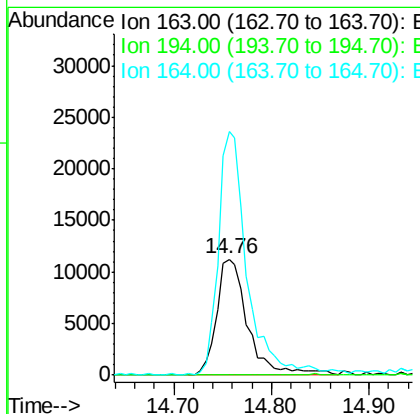
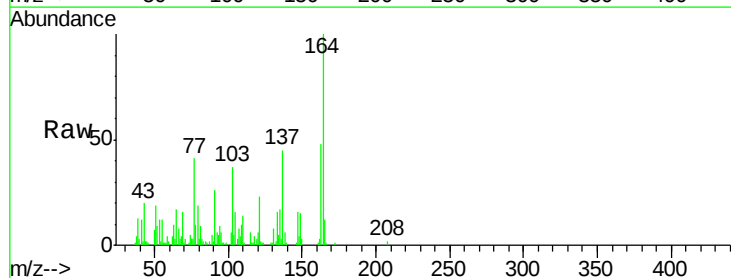
Instrument :
BNA_G
ClientSampled :

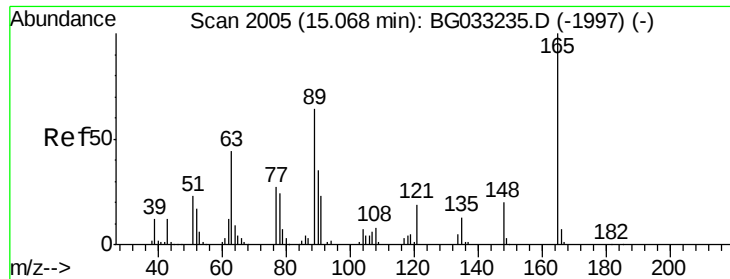
Tot Ion: 65 Resp: 5375
Ion Ratio Lower Upper
65 100
92 8.7 54.6 82.0#
138 14.3 72.9 109.3#



#49
Dimethylphthalate
Concen: 2.512 ng
RT: 14.76 min Scan# 1952
Delta R.T. -0.16 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion:163 Resp: 24881
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.2#
164 210.5 8.2 12.4#

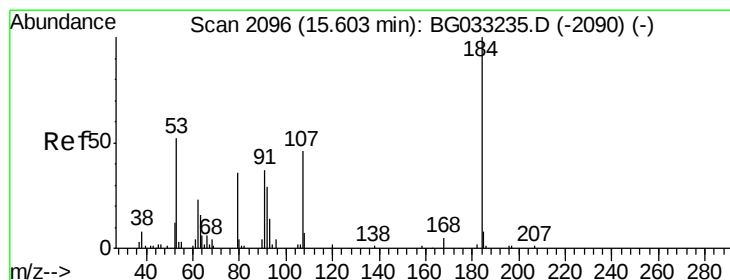
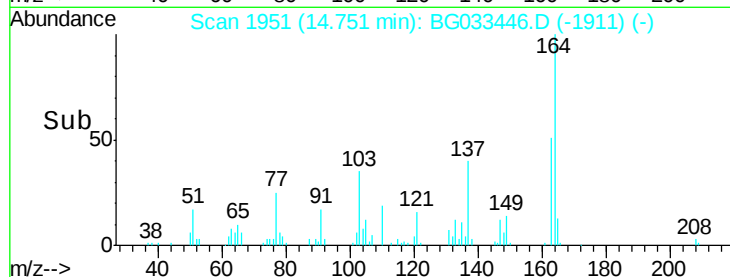
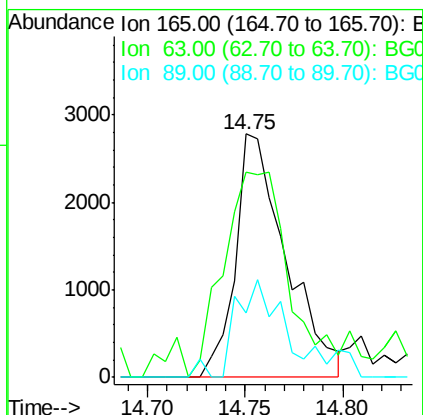
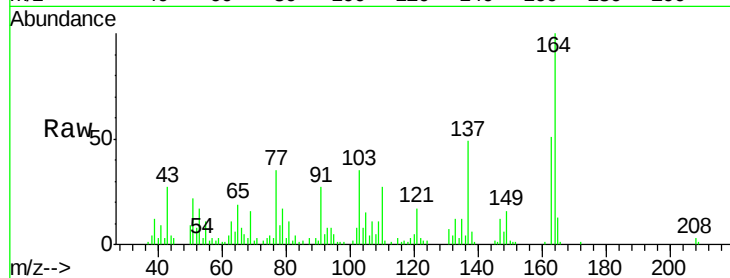




#50
 2,6-Dinitrotoluene
 Concen: 2.477 ng
 RT: 14.75 min Scan# 1951
 Delta R.T. -0.30 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

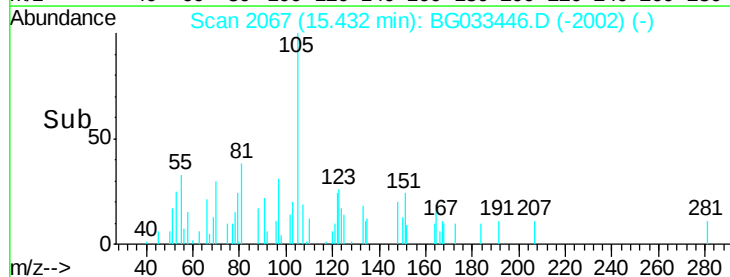
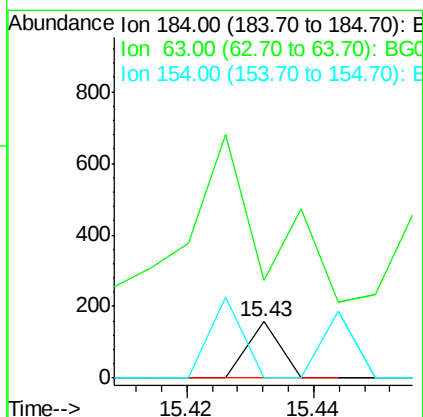
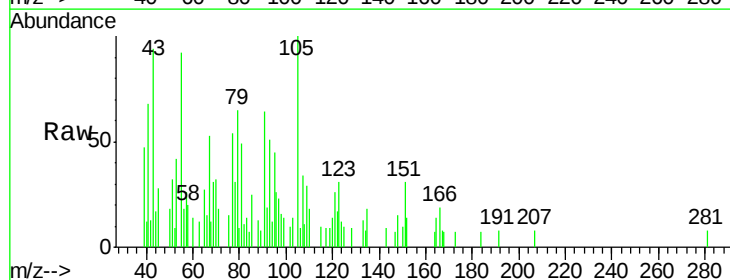
Instrument :
 BNA_G
 ClientSampleId :

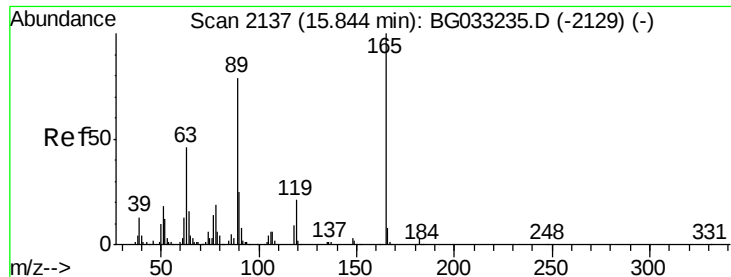
Tot Ion:165 Resp: 5017
 Ion Ratio Lower Upper
 165 100
 63 84.4 52.7 79.1#
 89 26.5 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.691 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.15 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

Tgt Ion:184 Resp: 56
 Ion Ratio Lower Upper
 184 100
 63 172.2 59.8 89.8#
 154 0.0 101.8 152.8#

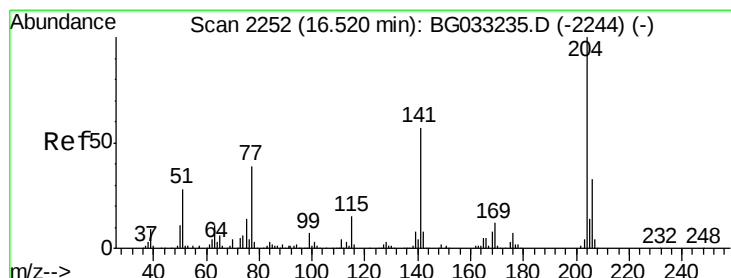
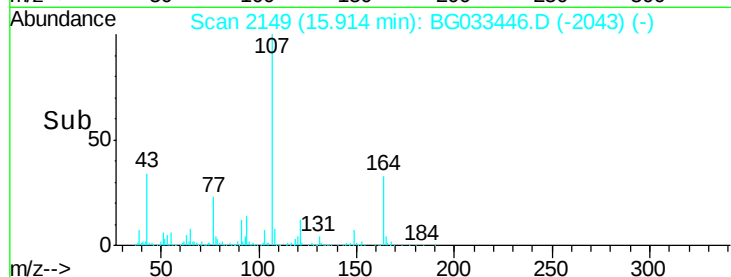
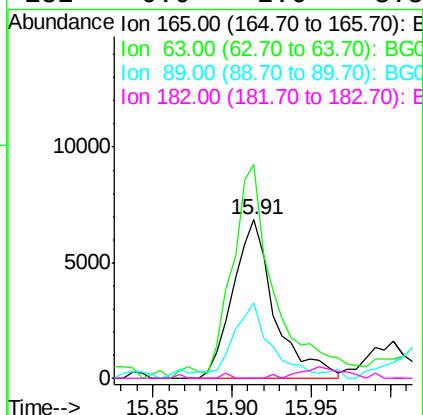
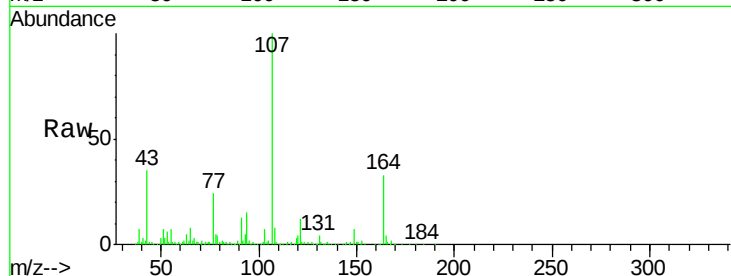




#56
 2,4-Dinitrotoluene
 Concen: 4.164 ng
 RT: 15.91 min Scan# 2149
 Delta R.T. 0.09 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

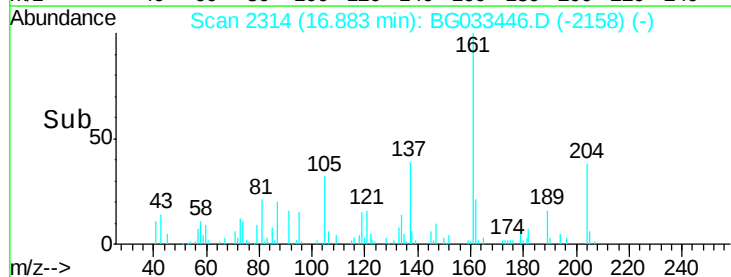
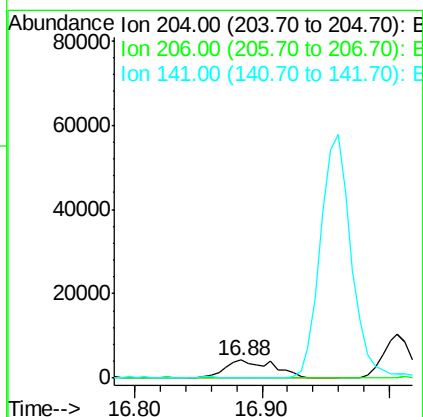
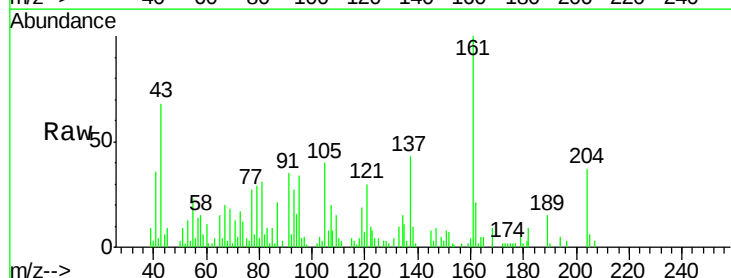
Instrument :
 BNA_G
 ClientSampleId :

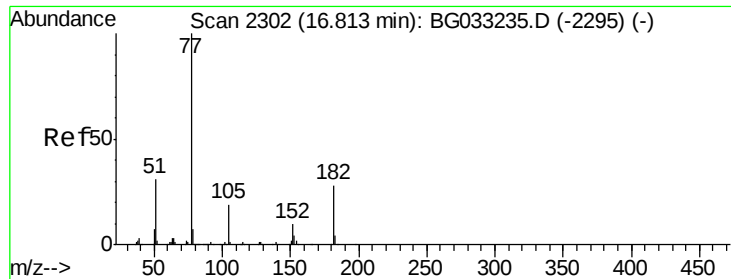
Tot Ion:165 Resp: 12417
 Ion Ratio Lower Upper
 165 100
 63 134.8 42.0 63.0#
 89 47.5 66.9 100.3#
 182 0.0 2.6 3.8#



#60
 4-Chlorophenyl-phenylether
 Concen: 2.161 ng
 RT: 16.88 min Scan# 2314
 Delta R.T. 0.38 min
 Lab File: BG033446.D
 Acq: 30 Mar 2018 9:23

Tgt Ion:204 Resp: 11339
 Ion Ratio Lower Upper
 204 100
 206 0.0 26.2 39.2#
 141 0.0 45.8 68.6#

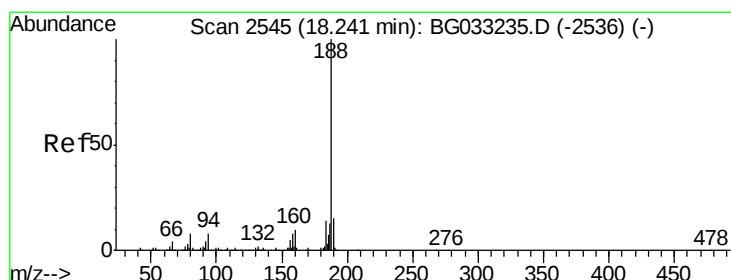
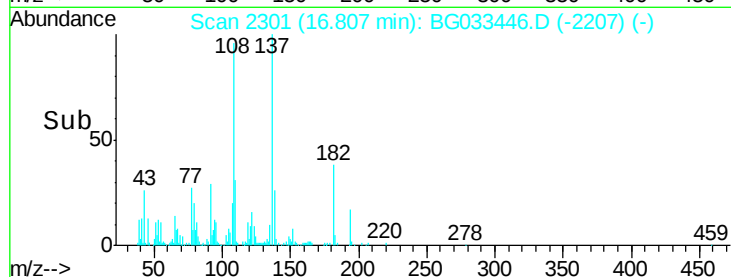
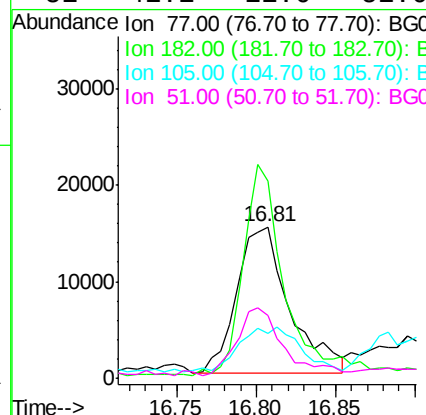
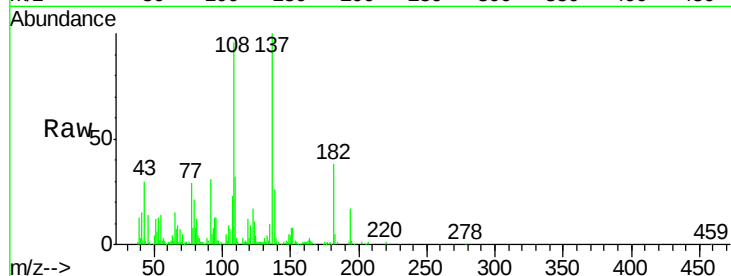




#62
Azobenzene
Concen: 3.724 ng
RT: 16.81 min Scan# 2301
Delta R.T. 0.02 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

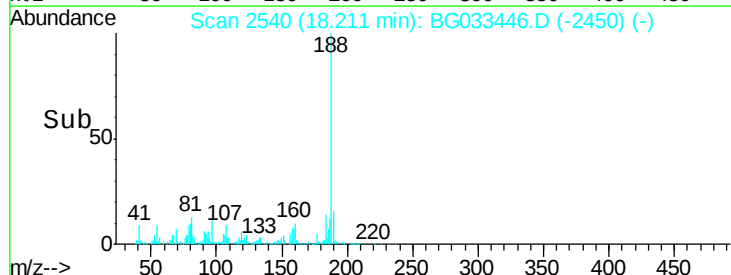
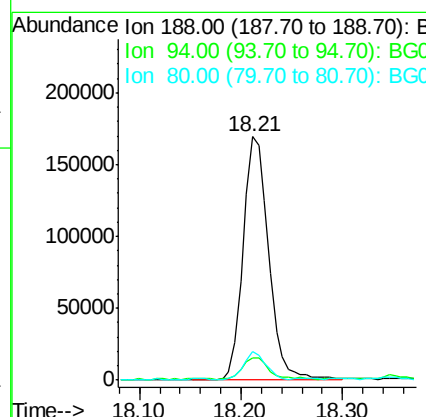
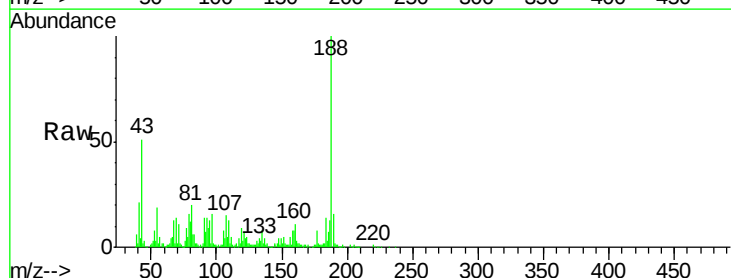
Instrument :
BNA_G
ClientSampleId :

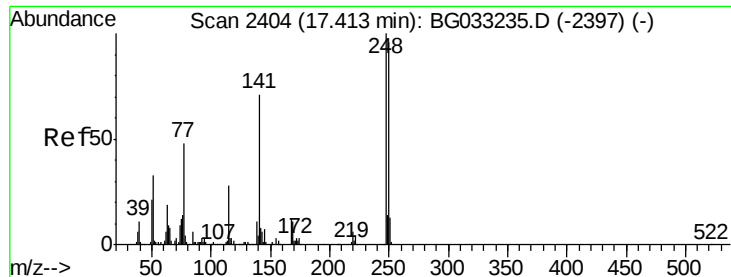
Tot Ion: 77 Resp: 34694
Ion Ratio Lower Upper
77 100
182 129.9 7.4 47.4#
105 29.9 0.3 40.3
51 41.1 11.6 51.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion: 188 Resp: 299423
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 11.8 7.7 11.5#

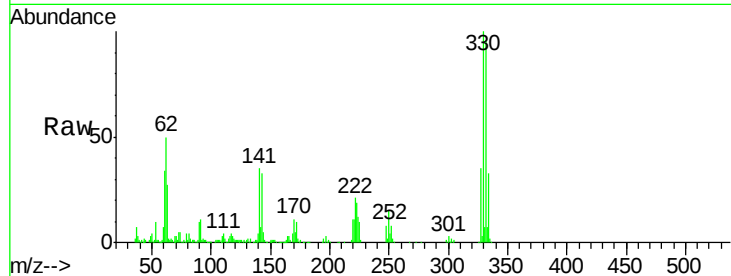




#66
4-Bromophenyl-phenylether
Concen: 5.756 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.43 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.7	77.1	115.7#
141	426.8	50.8	76.2#

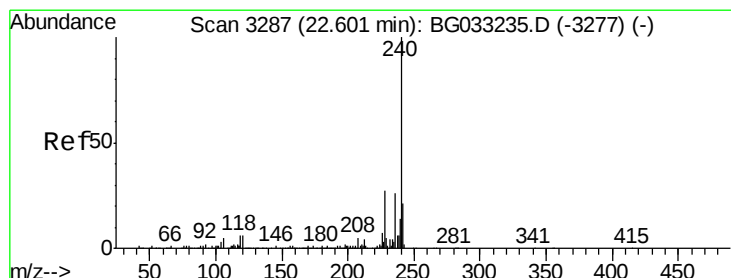
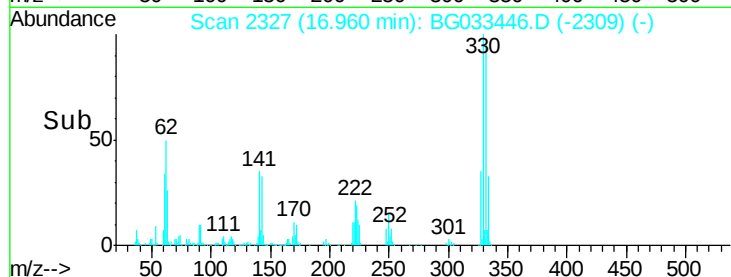
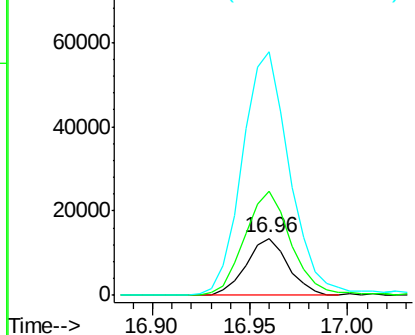


Abundance

Ion 248.00 (247.70 to 248.70): E

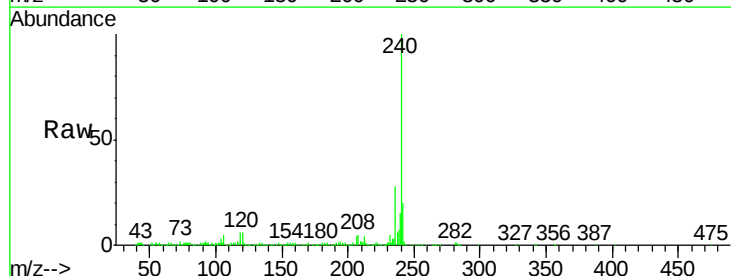
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.7	6.8	10.2#
236	27.6	20.9	31.3

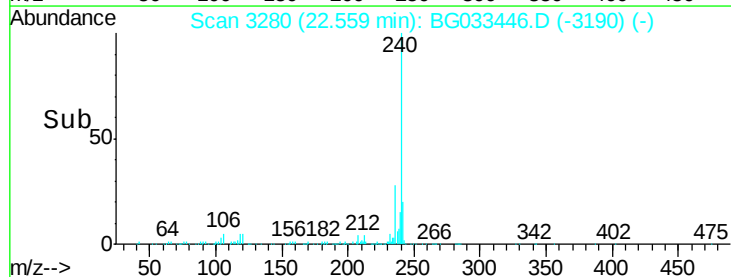
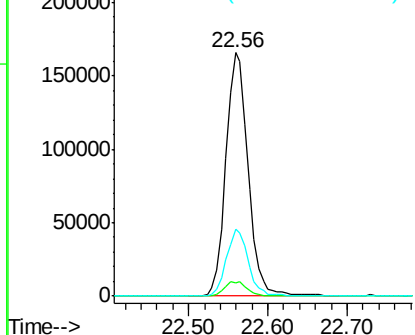


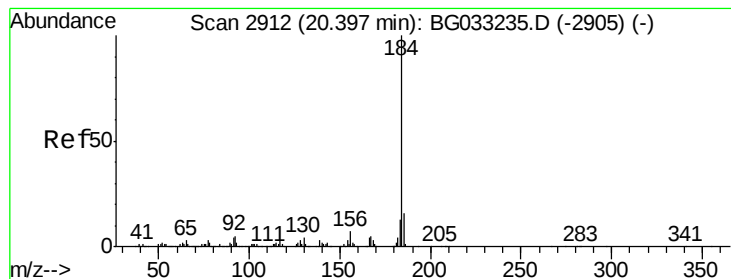
Abundance

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: 2.502 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033446.D

Acq: 30 Mar 2018 9:23

Instrument :

BNA_G

ClientSampleId :

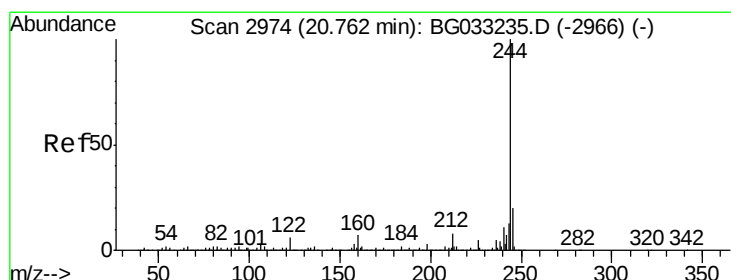
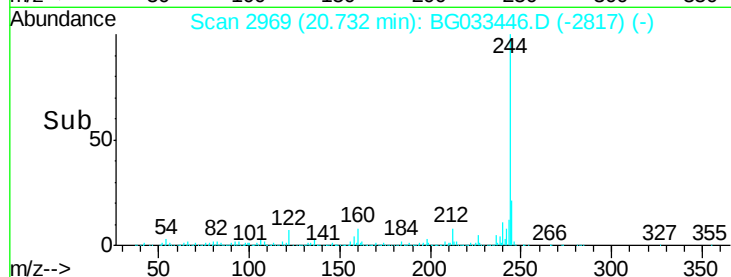
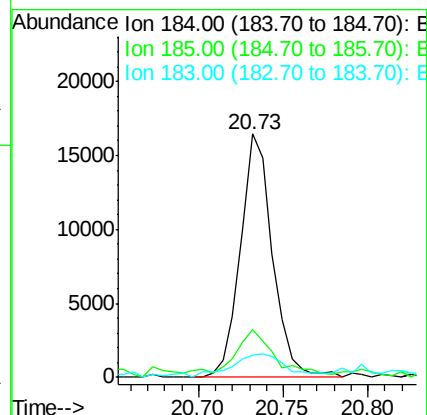
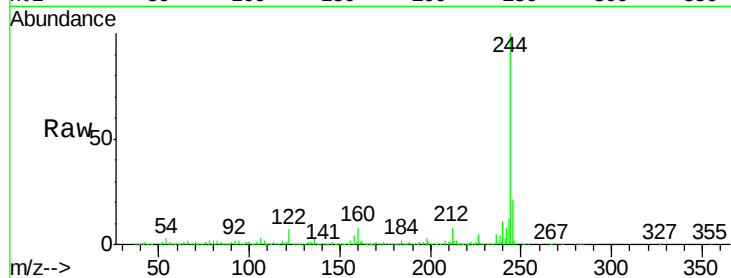
Tot Ion:184 Resp: 21796

Ion Ratio Lower Upper

184 100

185 19.4 11.1 16.7#

183 9.1 10.6 16.0#



#78

Terphenyl-d14

Concen: 85.691 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033446.D

Acq: 30 Mar 2018 9:23

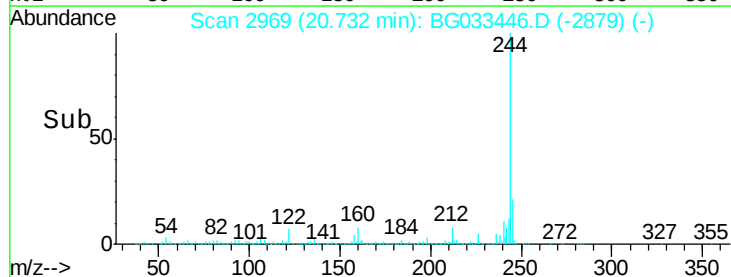
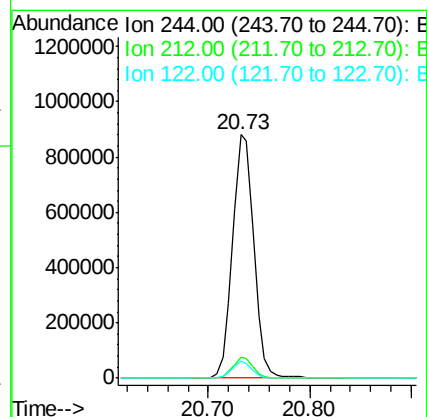
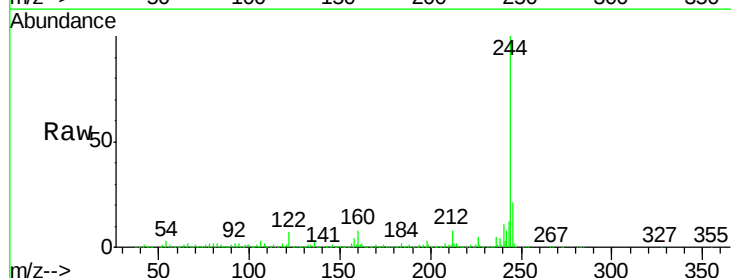
Tgt Ion:244 Resp: 1287216

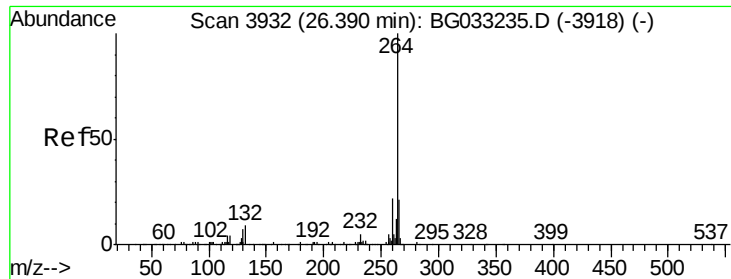
Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

122 6.9 7.0 10.4#

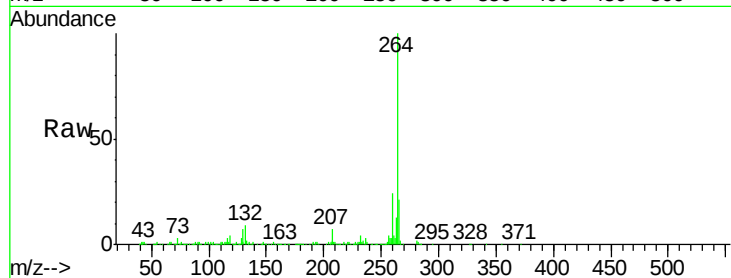




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.33 min Scan# 3922
Delta R.T. -0.00 min
Lab File: BG033446.D
Acq: 30 Mar 2018 9:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	20.7	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

