

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033041.D
 Acq On : 8 Mar 2018 15:21
 Operator : SJ/JU
 Sample : J1748-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 08 16:30:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

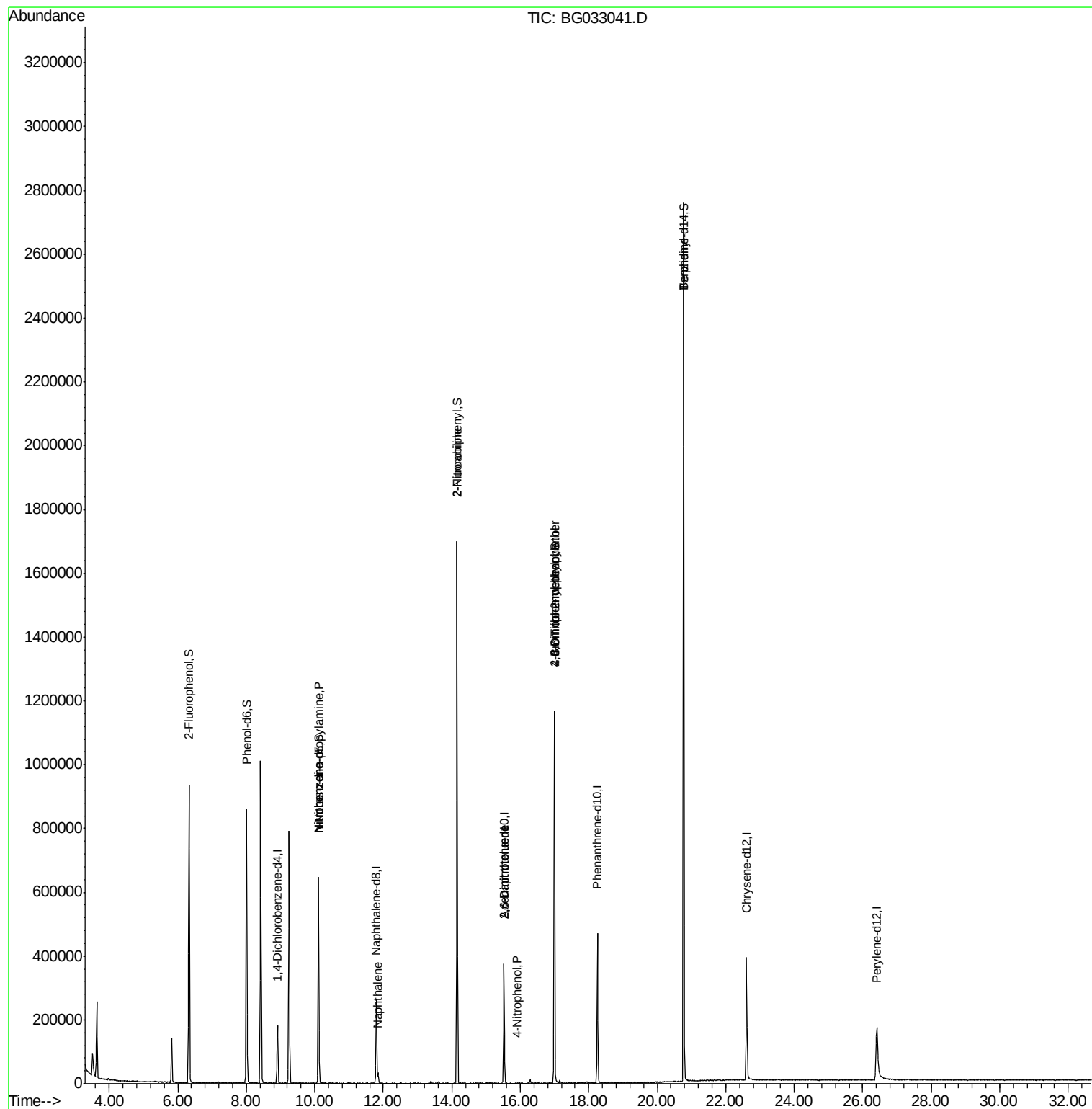
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	54518	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	234598	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	130290	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	296673	20.00	ng	0.00
75) Chrysene-d12	22.61	240	275598	20.00	ng	0.00
86) Perylene-d12	26.42	264	264547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	440868	129.37	ng	0.00
7) Phenol-d6	8.01	99	526907	110.93	ng	0.00
23) Nitrobenzene-d5	10.11	82	411865	117.54	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	216557	158.08	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	858714	95.06	ng	0.00
78) Terphenyl-d14	20.77	244	1267916	103.36	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	54163	16.152	ng	# 83
24) Nitrobenzene	10.11	77	1233	6.666	ng	# 43
31) Naphthalene	11.85	128	29290	2.389	ng	# 98
47) 2-Nitroaniline	14.16	65	1504	10.393	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	17388	16.634	ng	# 21
55) 4-Nitrophenol	15.92	139	769	7.467	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	17388	14.833	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	446	5.588	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	14999	4.781	ng	# 1
76) Benzidine	20.77	184	22179	2.361	ng	# 91

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

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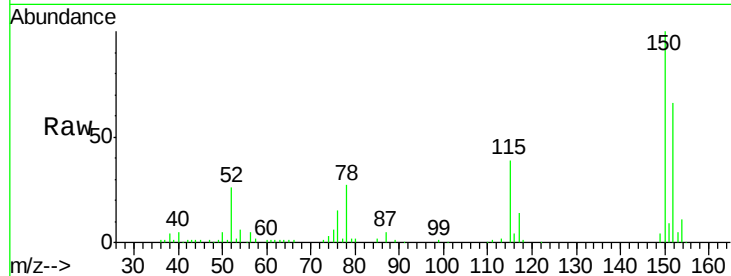


#1

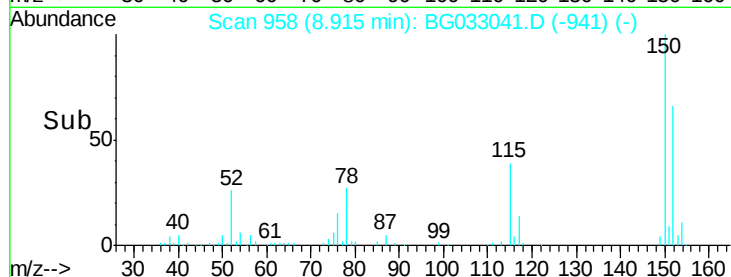
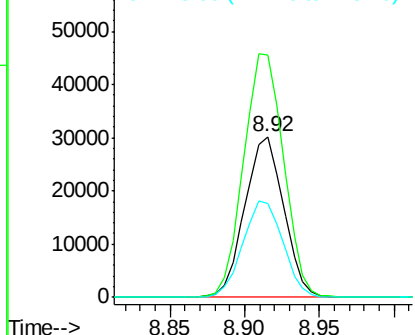
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54518
Ion Ratio Lower Upper
152 100
150 150.7 126.6 189.8
115 58.8 53.0 79.4



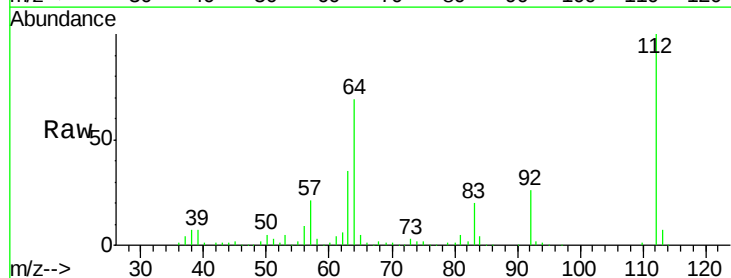
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



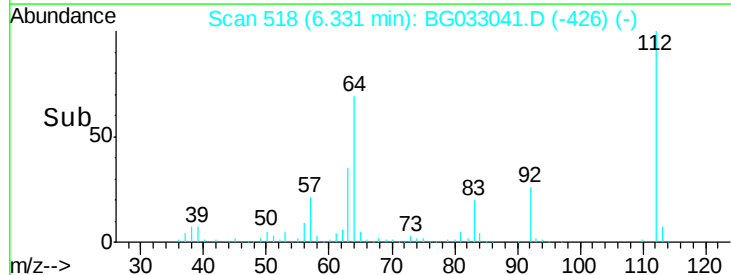
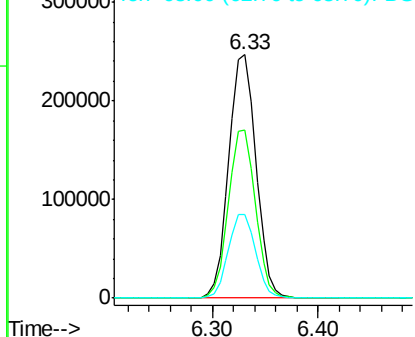
#5

2-Fluorophenol
Concen: 129.375 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Tgt Ion:112 Resp: 440868
Ion Ratio Lower Upper
112 100
64 68.9 56.3 84.5
63 34.5 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: 110.932 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033041.D

Acq: 8 Mar 2018 15:21

Instrument :

BNA_G

ClientSampleId :

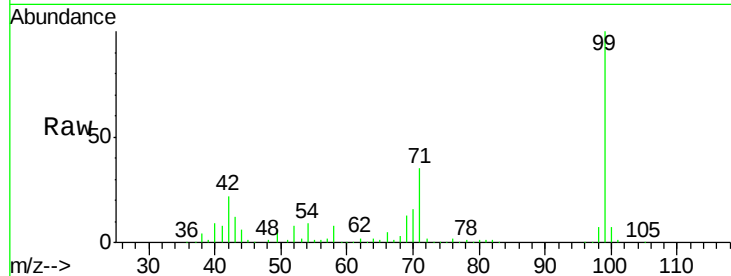
Tot Ion: 99 Resp: 526907

Ion Ratio Lower Upper

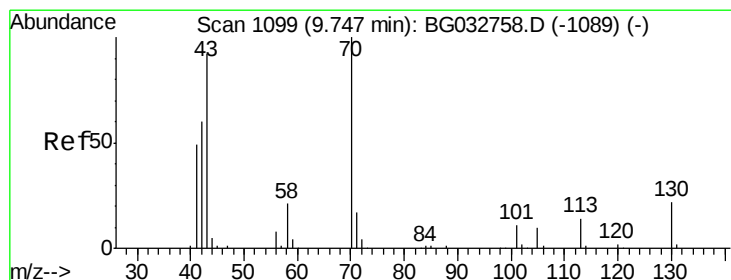
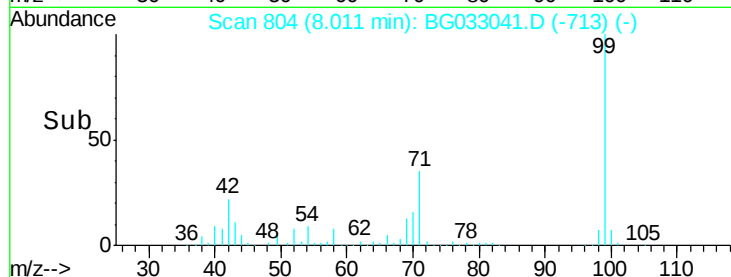
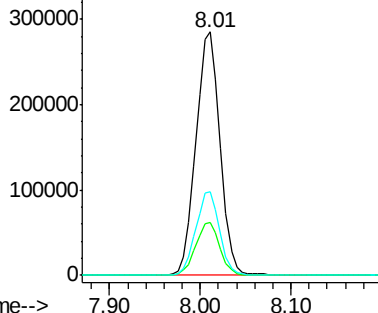
99 100

42 21.9 14.1 21.1#

71 34.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.152 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.39 min

Lab File: BG033041.D

Acq: 8 Mar 2018 15:21

Tgt Ion: 70 Resp: 54163

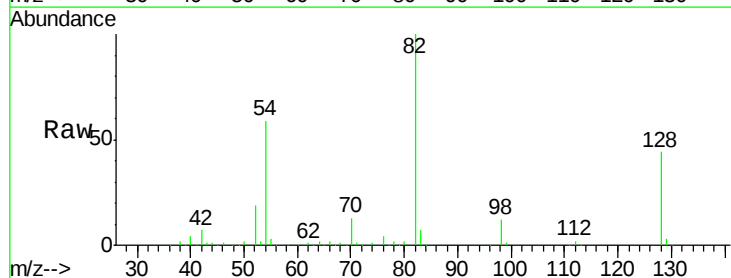
Ion Ratio Lower Upper

70 100

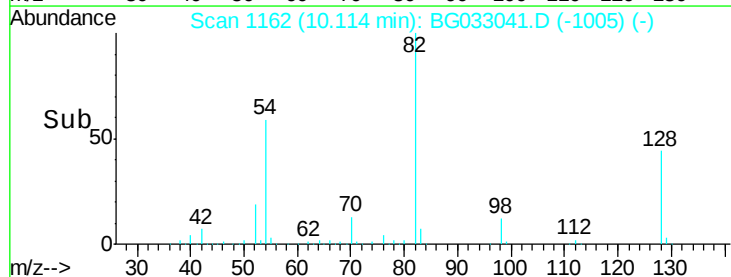
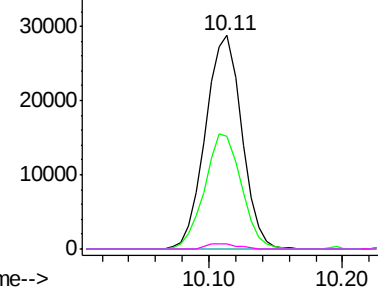
42 52.8 49.1 73.7

101 0.0 8.5 12.7#

130 2.5 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

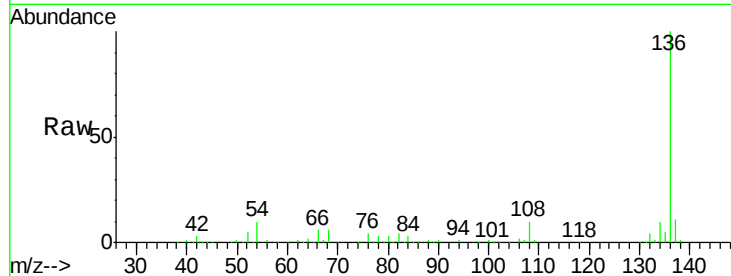




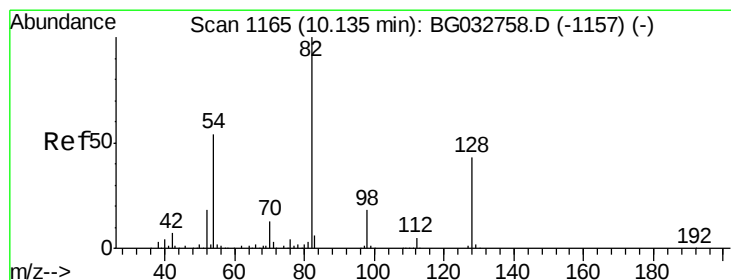
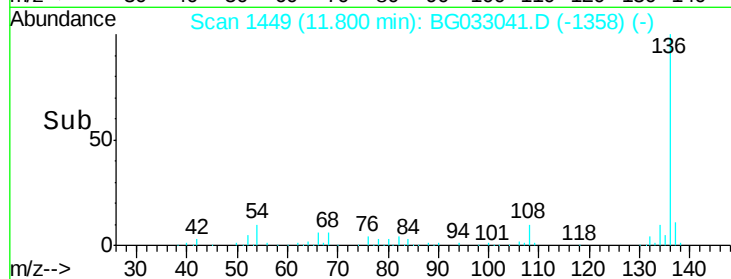
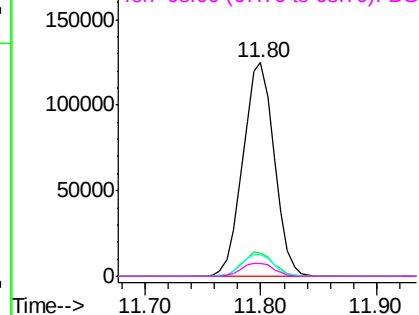
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	10.2	10.3	15.5
68	6.1	4.5	6.7

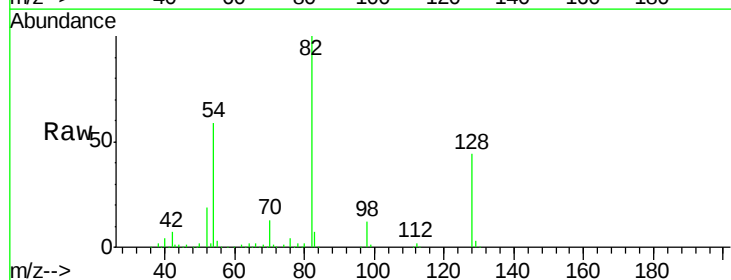


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

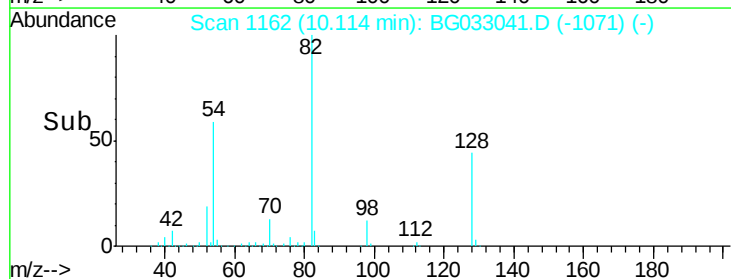
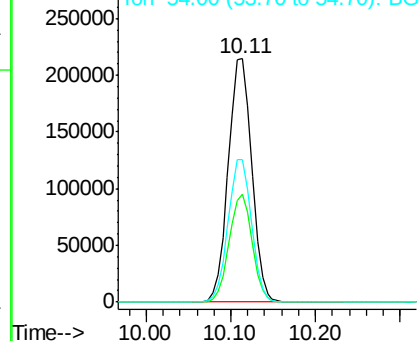


#23
Nitrobenzene-d5
Concen: 117.536 ng
RT: 10.11 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.4	29.7	44.5
54	58.8	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

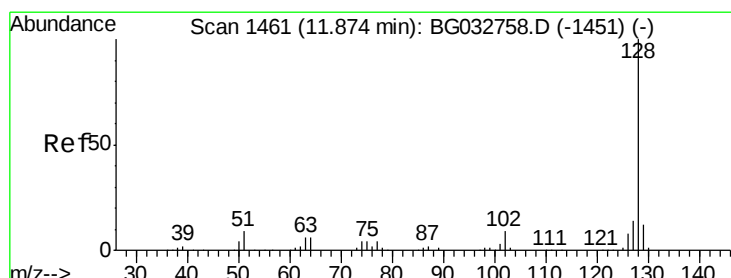
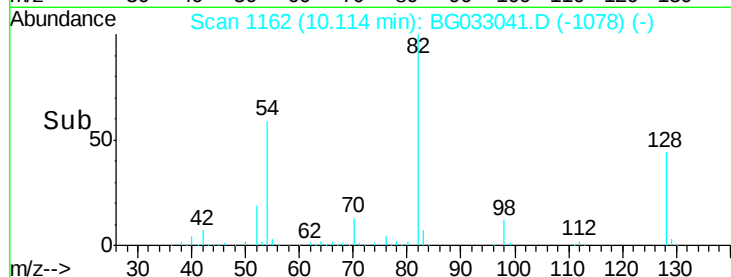
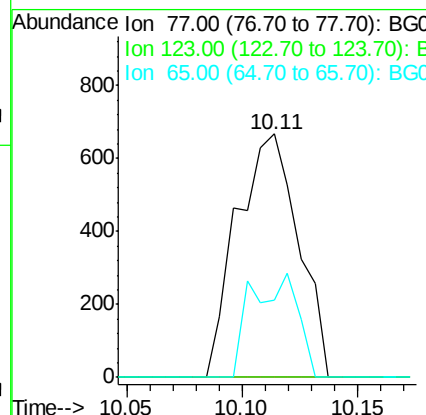
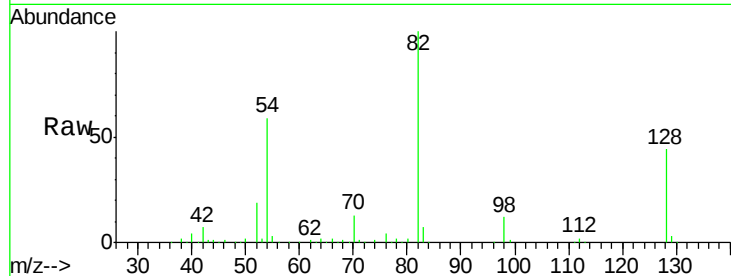




#24
Nitrobenzene
Concen: 6.666 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.04 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

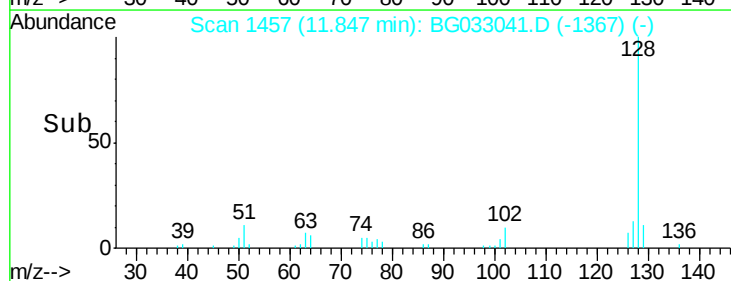
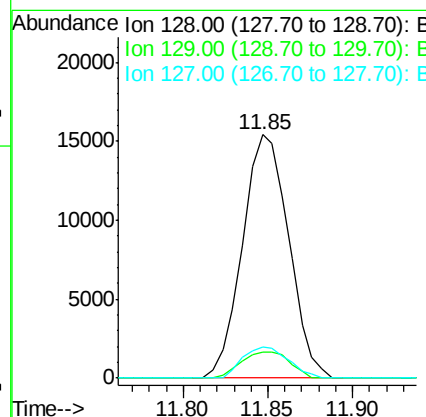
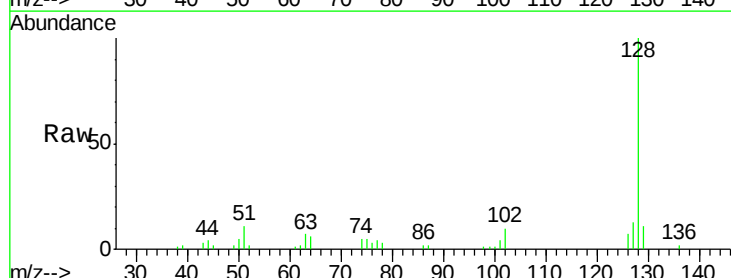
Instrument :
BNA_G
ClientSampled :

Tot Ion: 77 Resp: 1233
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 31.7 13.0 19.6#



#31
Naphthalene
Concen: 2.389 ng
RT: 11.85 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Tgt Ion: 128 Resp: 29290
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.0 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033041.D

Acq: 8 Mar 2018 15:21

Instrument :

BNA_G

ClientSampleId :

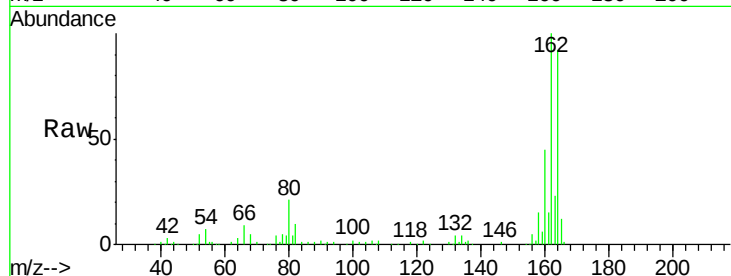
Tot Ion:164 Resp: 130290

Ion Ratio Lower Upper

164 100

162 108.6 78.8 118.2

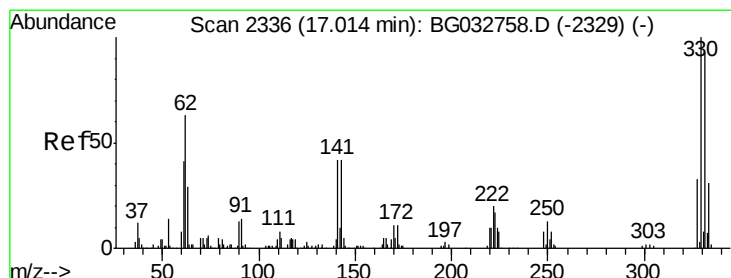
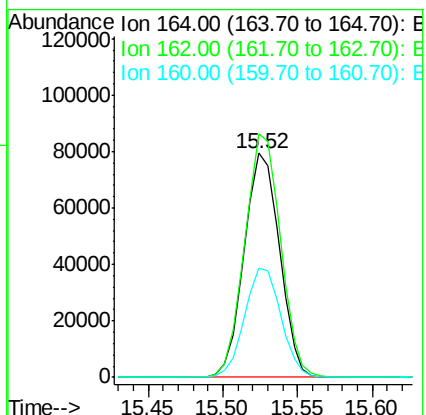
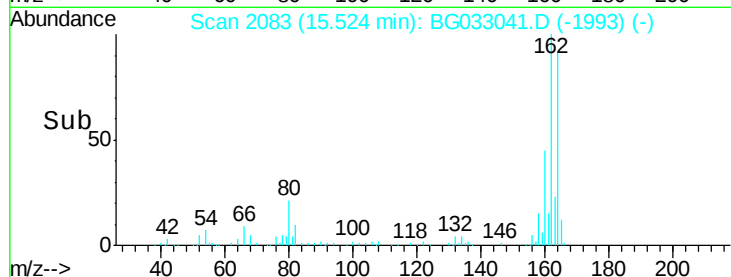
160 48.8 35.4 53.0



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: 158.076 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033041.D

Acq: 8 Mar 2018 15:21

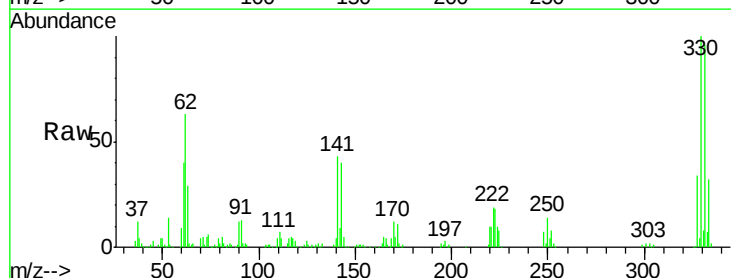
Tgt Ion:330 Resp: 216557

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

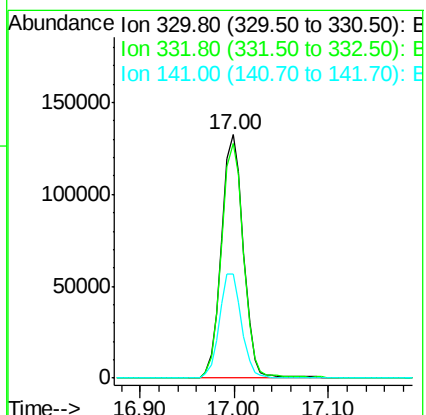
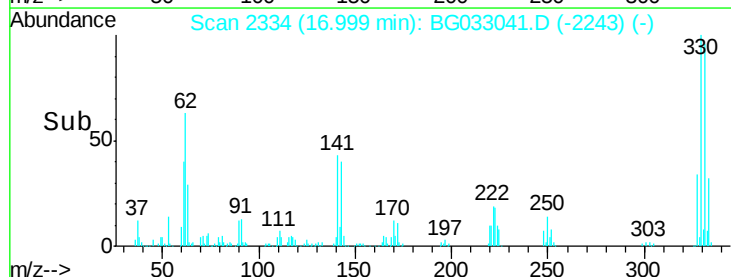
141 43.2 25.2 37.8#

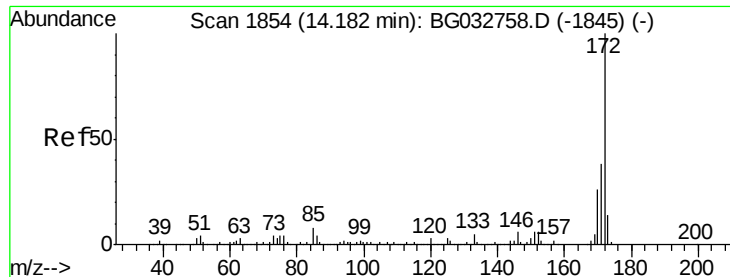


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

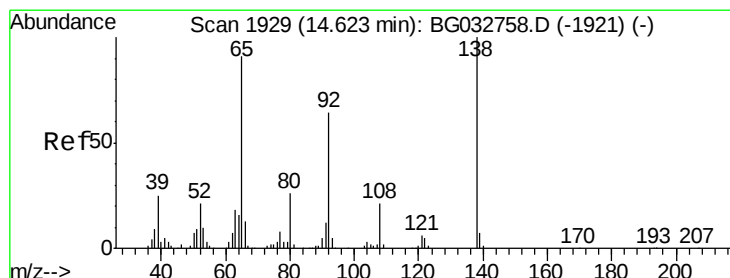
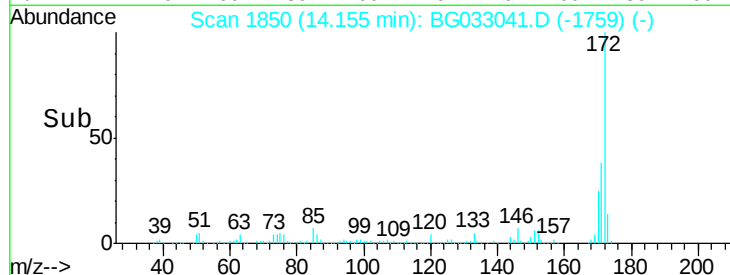
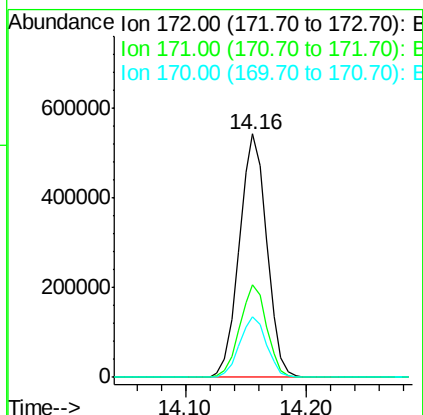
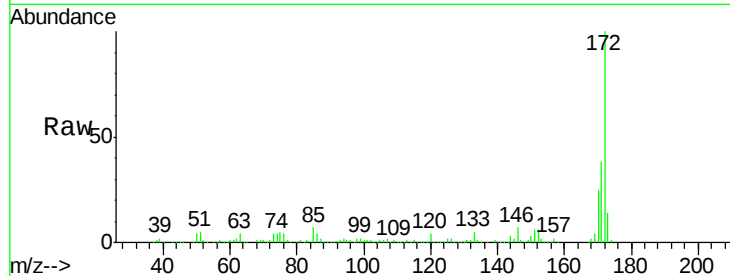




#44
2-Fluorobiphenyl
Concen: 95.056 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

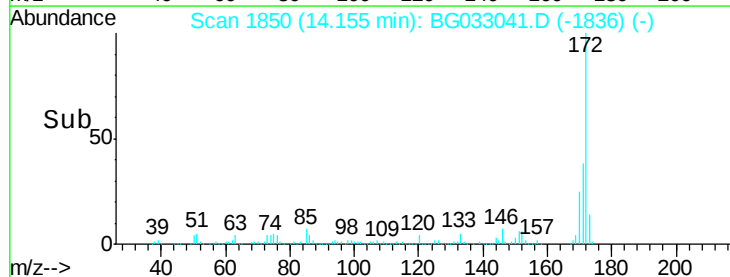
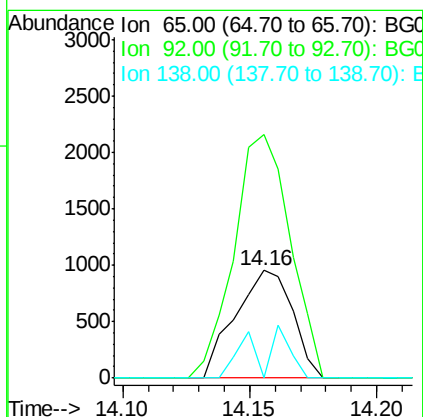
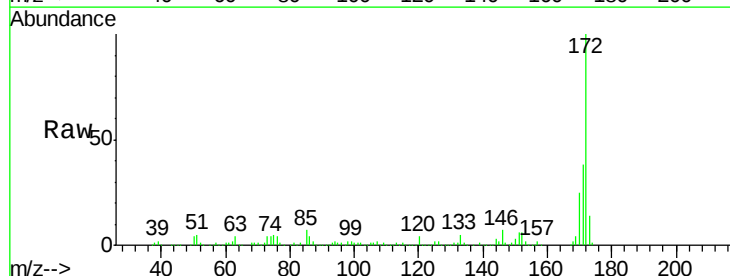
Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 858714
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 24.9 19.5 29.3



#47
2-Nitroaniline
Concen: 10.393 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Tgt Ion: 65 Resp: 1504
Ion Ratio Lower Upper
65 100
92 226.9 54.6 82.0#
138 0.0 72.9 109.3#

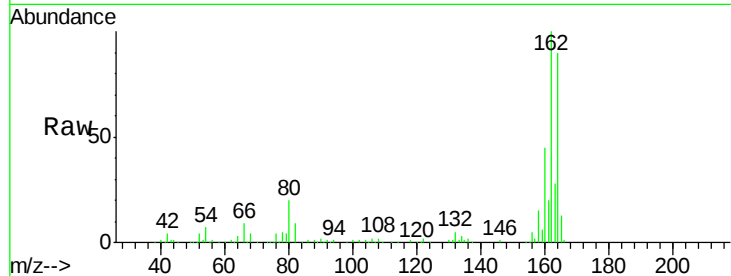




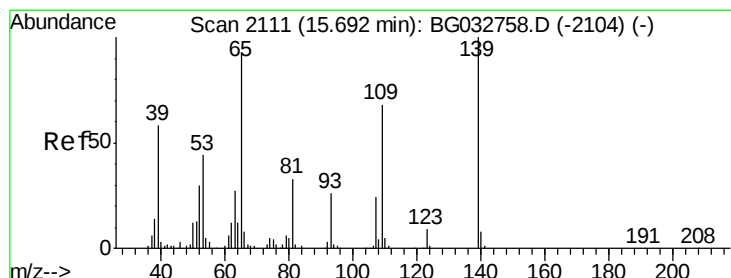
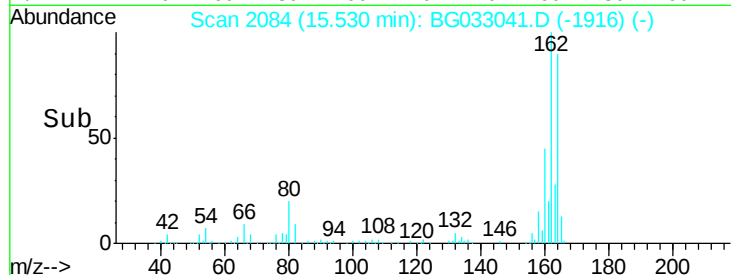
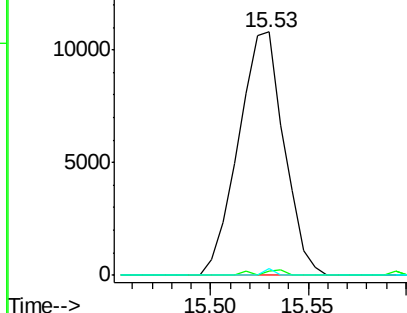
#50
2,6-Dinitrotoluene
Concen: 16.634 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.45 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17388
Ion Ratio Lower Upper
165 100
63 1.5 52.7 79.1#
89 2.6 49.2 73.8#

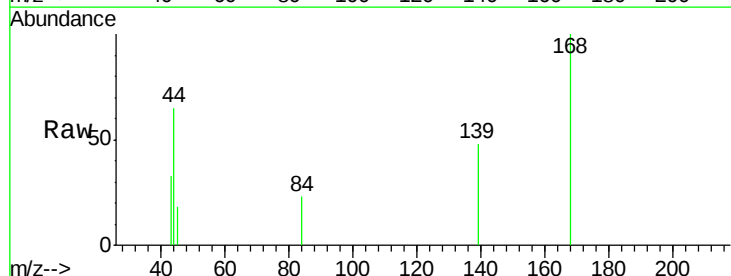


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

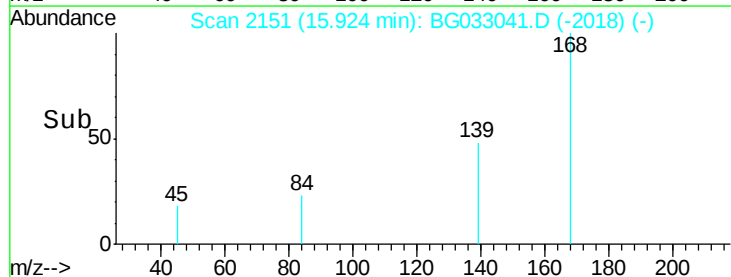
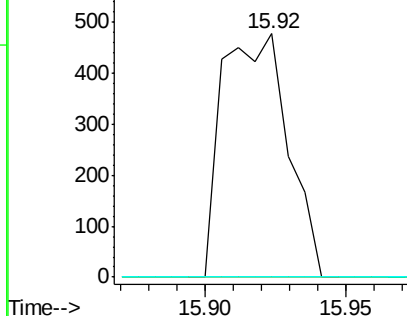


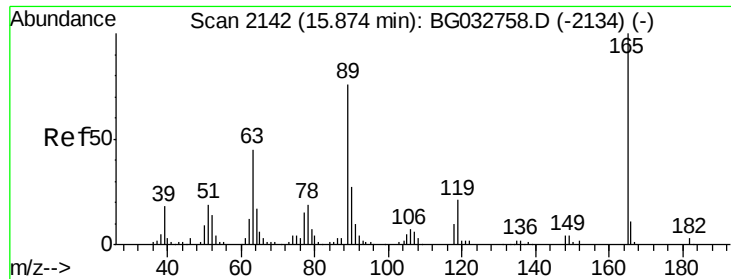
#55
4-Nitrophenol
Concen: 7.467 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.25 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Tgt Ion:139 Resp: 769
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

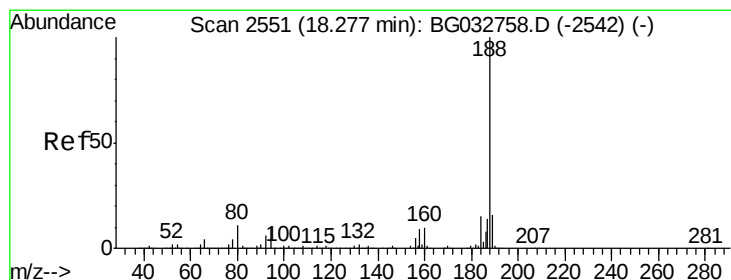
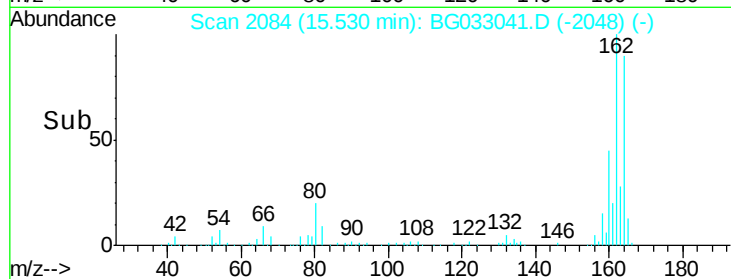
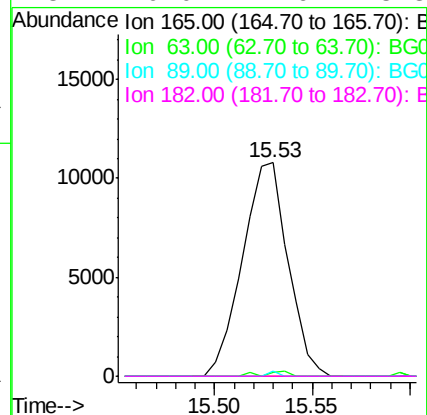
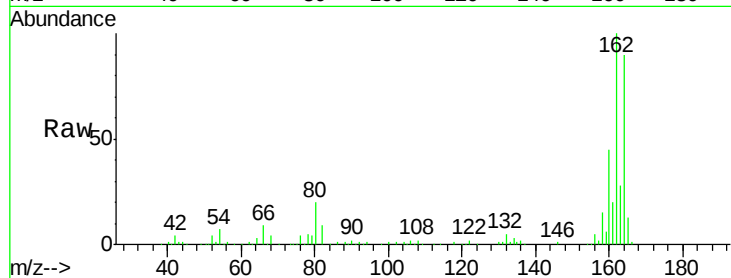




#56
 2,4-Dinitrotoluene
 Concen: 14.833 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.32 min
 Lab File: BG033041.D
 Acq: 8 Mar 2018 15:21

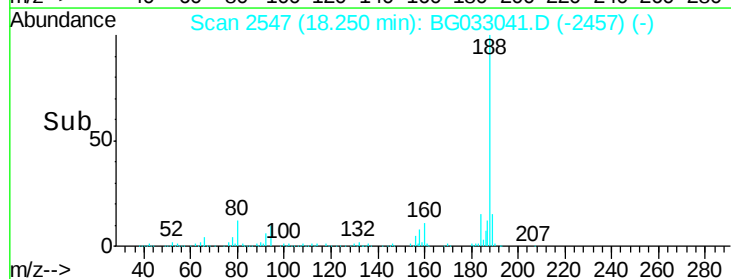
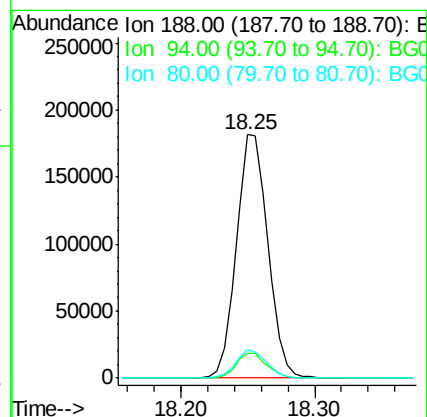
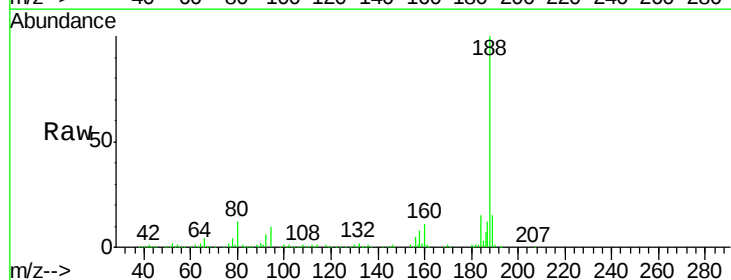
Instrument :
 BNA_G
 ClientSampleId :

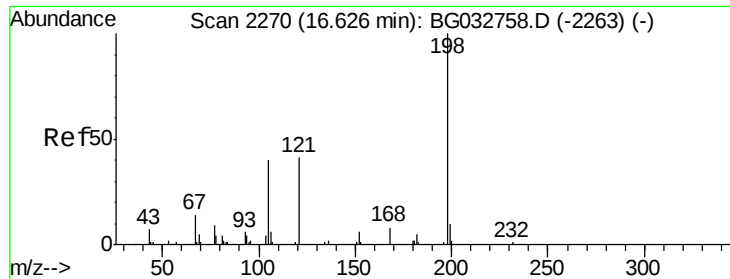
Tot Ion:165	Resp: 17388
Ion Ratio	Lower Upper
165 100	
63 1.5	42.0 63.0#
89 2.6	66.9 100.3#
182 0.0	2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033041.D
 Acq: 8 Mar 2018 15:21

Tgt	Ion:188	Resp:	296673
Ion	Ratio	Lower	Upper
188	100		
94	10.0	6.9	10.3
80	11.5	7.7	11.5#

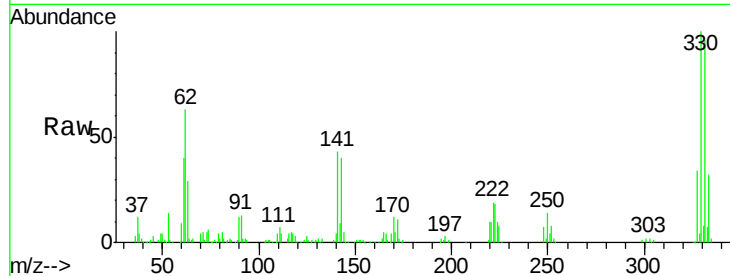




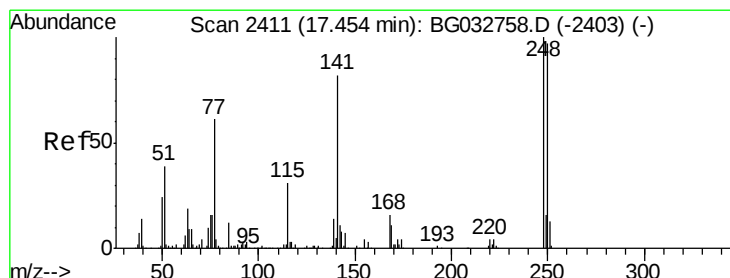
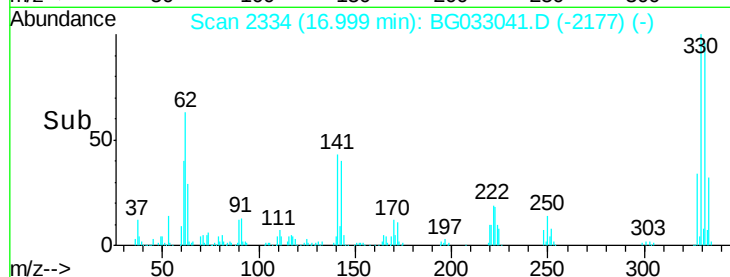
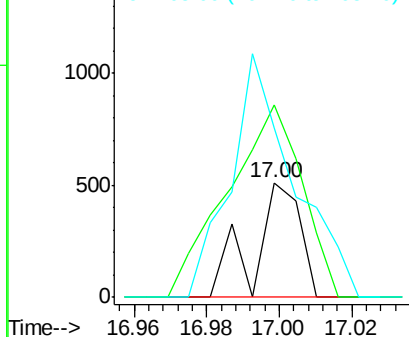
#64
4,6-Dinitro-2-methylphenol
Concen: 5.588 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.39 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 446
Ion Ratio Lower Upper
198 100
51 168.0 30.6 70.6#
105 148.2 23.8 63.8#

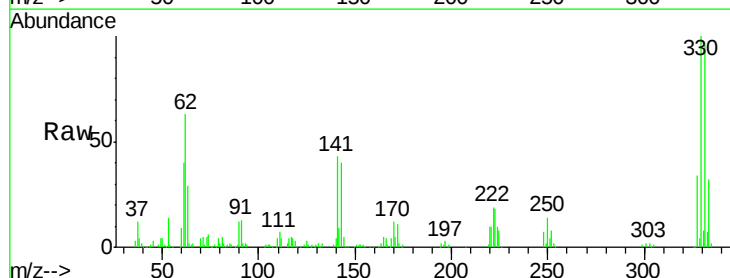


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

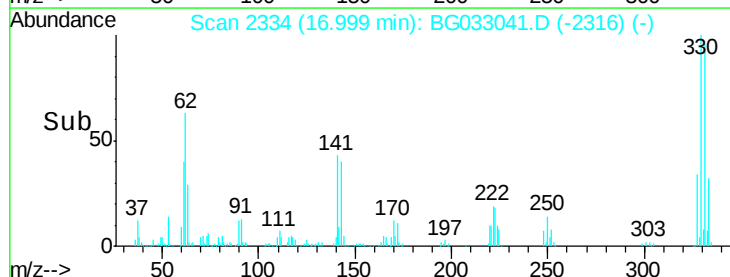
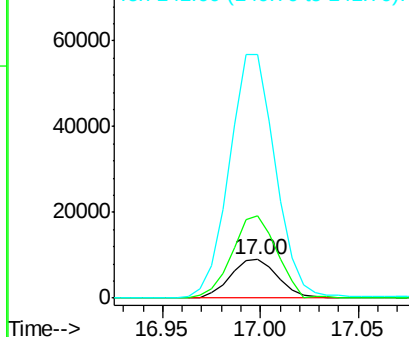


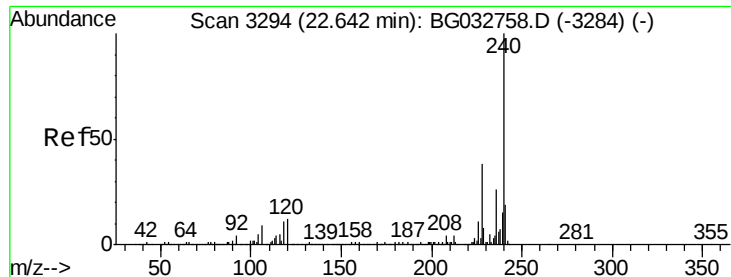
#66
4-Bromophenyl-phenylether
Concen: 4.781 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG033041.D
Acq: 8 Mar 2018 15:21

Tgt Ion:248 Resp: 14999
Ion Ratio Lower Upper
248 100
250 213.6 77.1 115.7#
141 633.4 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

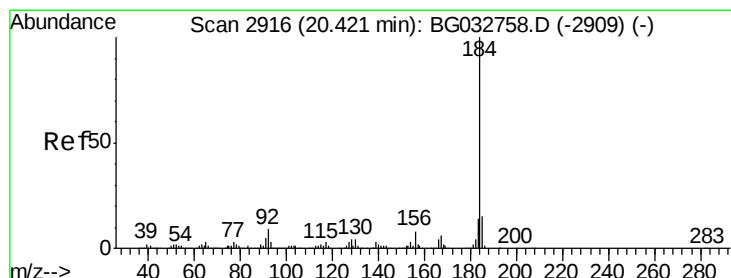
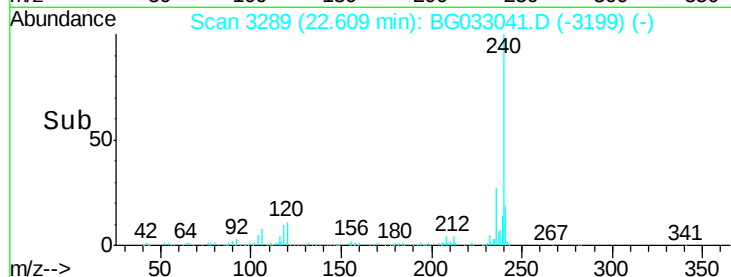
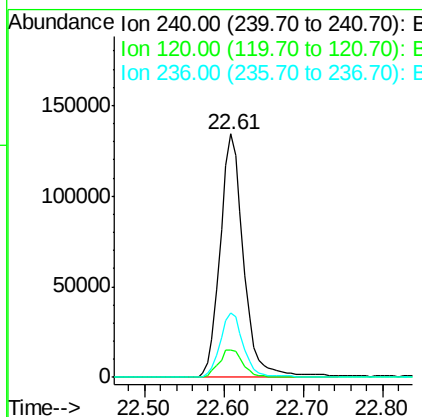
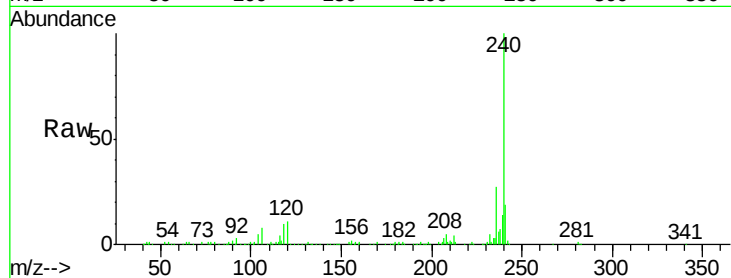




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033041.D
 Acq: 8 Mar 2018 15:21

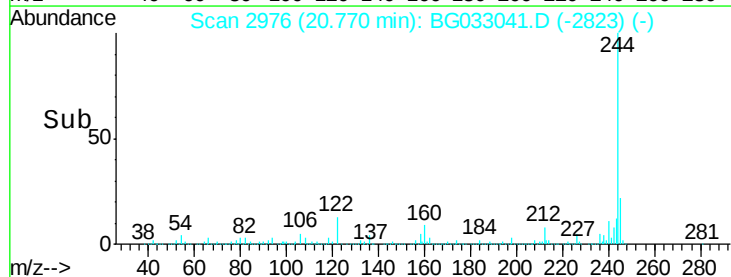
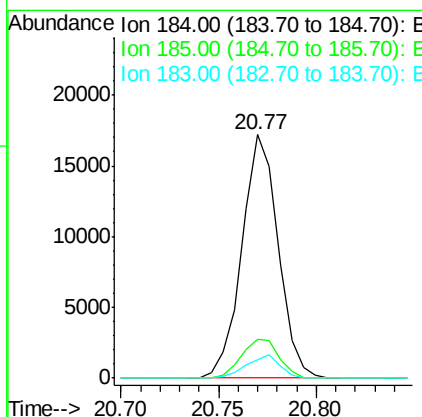
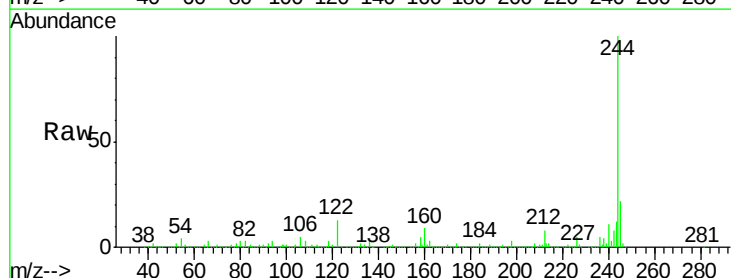
Instrument :
 BNA_G
 ClientSampleId :

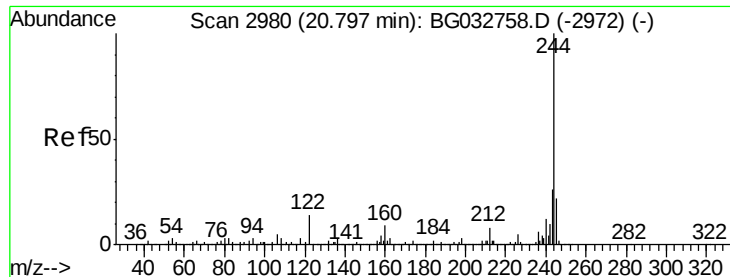
Tot Ion:240 Resp: 275598
 Ion Ratio Lower Upper
 240 100
 120 11.4 6.8 10.2#
 236 26.6 20.9 31.3



#76
 Benzidine
 Concen: 2.361 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. 0.37 min
 Lab File: BG033041.D
 Acq: 8 Mar 2018 15:21

Tgt Ion:184 Resp: 22179
 Ion Ratio Lower Upper
 184 100
 185 15.7 11.1 16.7
 183 7.4 10.6 16.0#



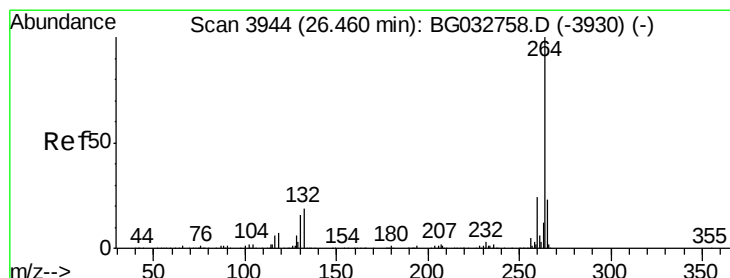
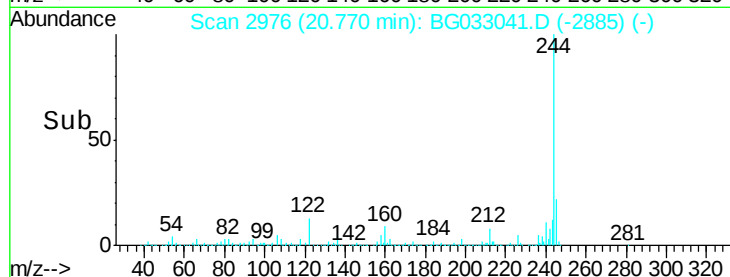
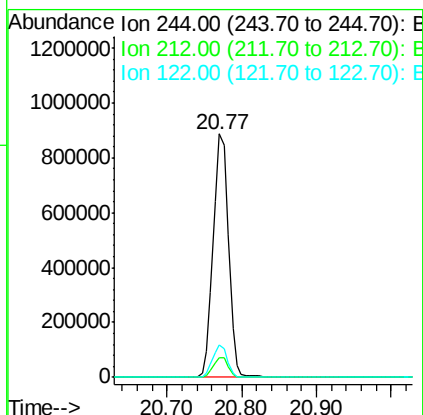
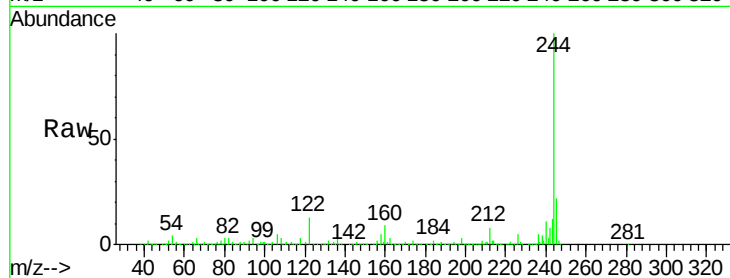


#78
 Terphenyl-d14
 Concen: 103.363 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BG033041.D
 Acq: 8 Mar 2018 15:21

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:244 Resp: 1267916

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	13.3	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.42 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: BG033041.D
 Acq: 8 Mar 2018 15:21

Tgt Ion:264 Resp: 264547

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.4	26.0
265	20.6	17.7	26.5

