

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033048.D
 Acq On : 8 Mar 2018 19:46
 Operator : SJ/JU
 Sample : J1819-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 01:29:16 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

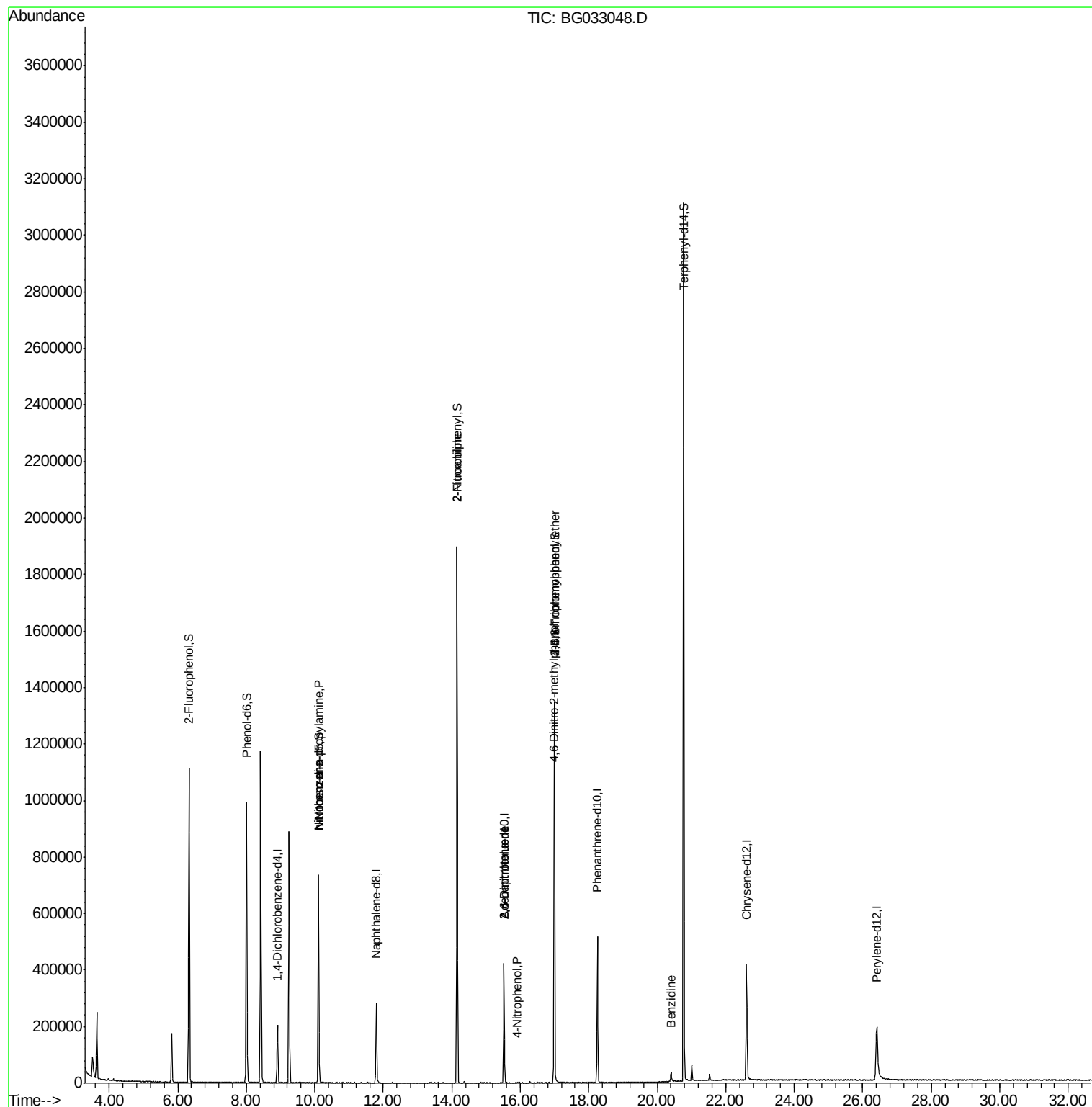
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	59583	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	256640	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	140245	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	321435	20.00	ng	0.00
75) Chrysene-d12	22.60	240	299202	20.00	ng	-0.01
86) Perylene-d12	26.41	264	282740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	508720	136.60	ng	0.00
7) Phenol-d6	8.01	99	610806	117.66	ng	0.00
23) Nitrobenzene-d5	10.11	82	462023	120.27	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	250121	169.62	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	964872	99.23	ng	0.00
78) Terphenyl-d14	20.77	244	1420231	106.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	61420	16.759	ng	# 84
24) Nitrobenzene	10.11	77	1351	6.667	ng	# 37
47) 2-Nitroaniline	14.15	65	1812	10.460	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	19519	16.965	ng	# 20
55) 4-Nitrophenol	15.92	139	451	7.291	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	19519	15.166	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.98	198	982	6.242	ng	# 73
66) 4-Bromophenyl-phenylether	17.00	248	17874	5.259	ng	# 1
76) Benzidine	20.41	184	26976	2.645	ng	96

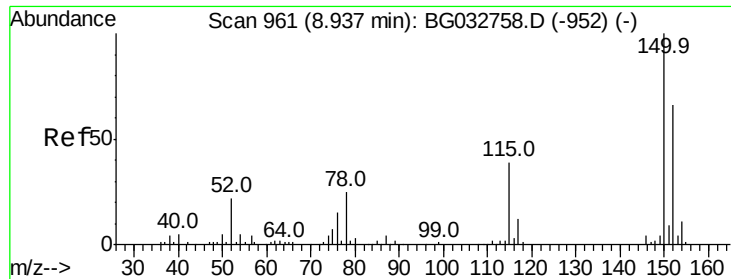
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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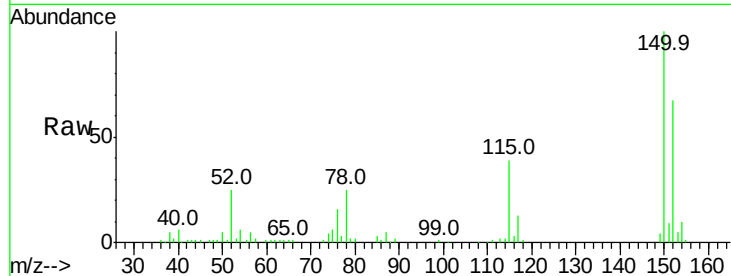


#1

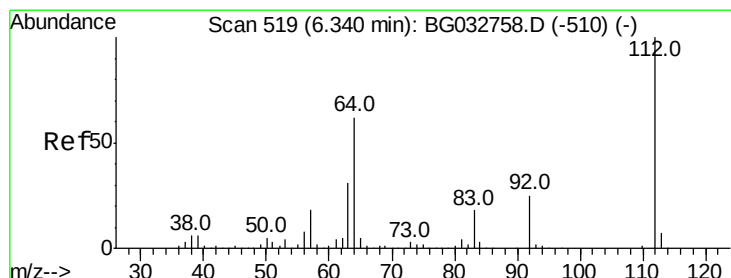
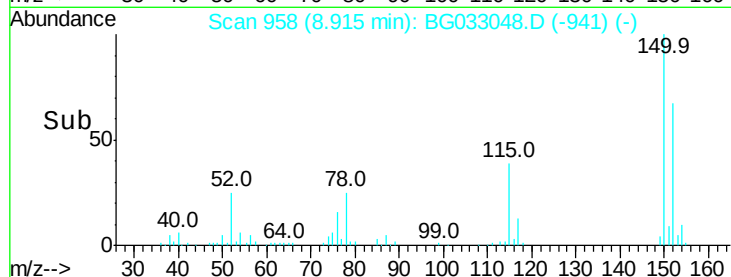
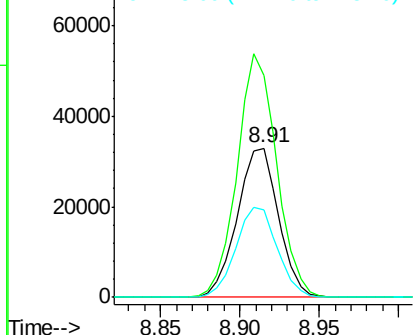
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 958
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59583
Ion Ratio Lower Upper
152 100
150 148.4 126.6 189.8
115 58.4 53.0 79.4



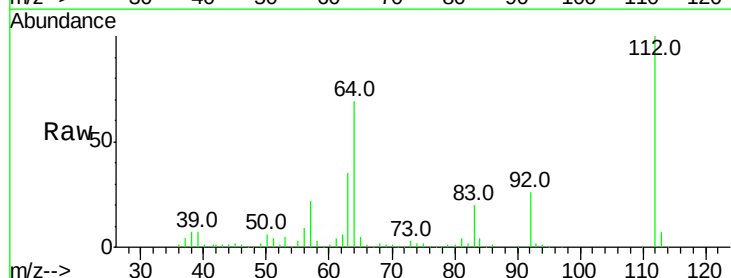
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



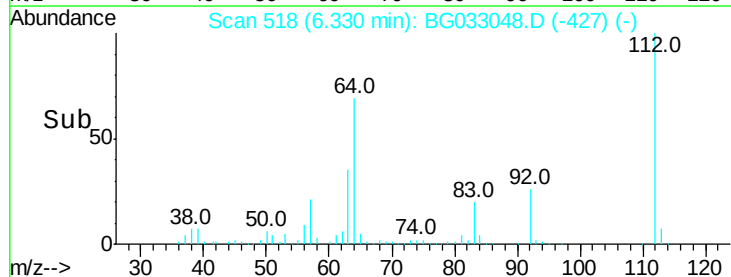
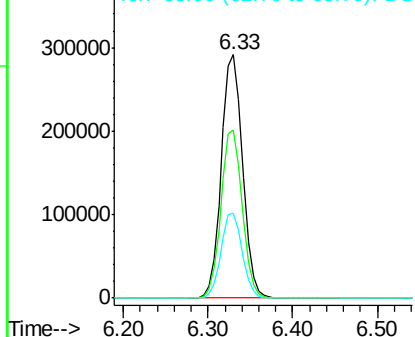
#5

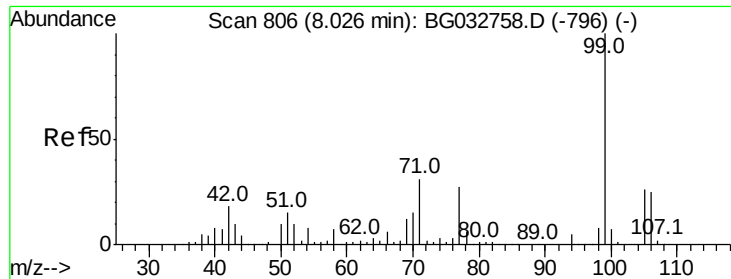
2-Fluorophenol
Concen: 136.596 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:112 Resp: 508720
Ion Ratio Lower Upper
112 100
64 69.2 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): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 117.664 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Instrument :

BNA_G

ClientSampled :

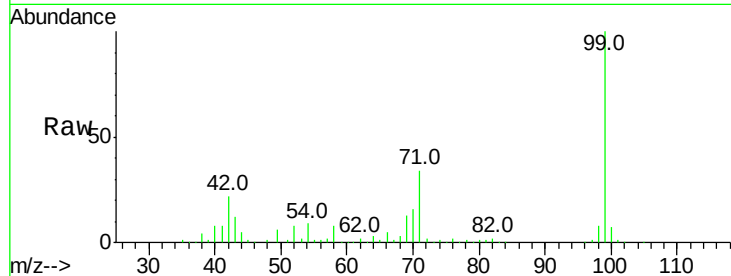
Tot Ion: 99 Resp: 610806

Ion Ratio Lower Upper

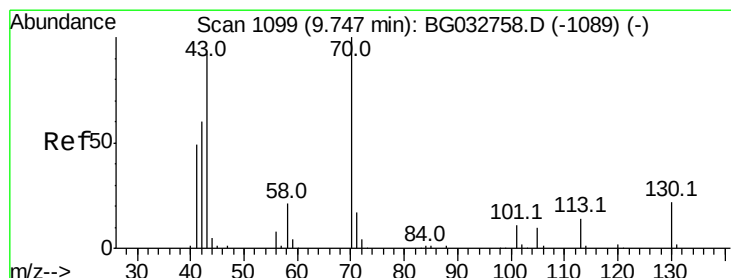
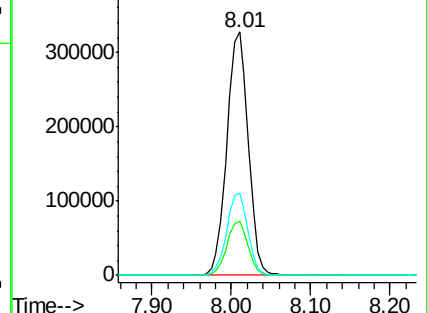
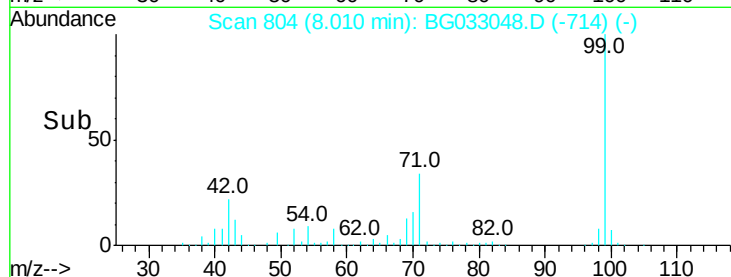
99 100

42 22.2 14.1 21.1#

71 33.9 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: 16.759 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Tgt Ion: 70 Resp: 61420

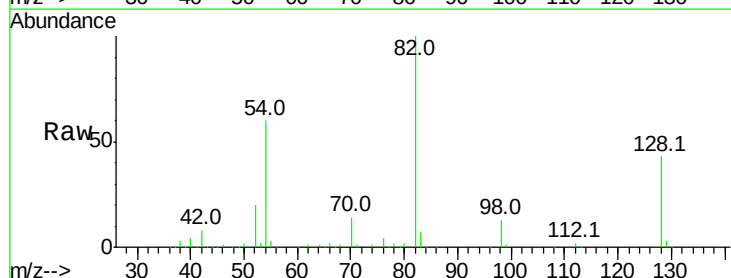
Ion Ratio Lower Upper

70 100

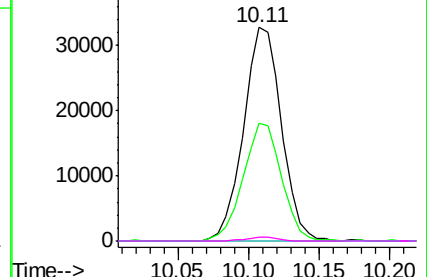
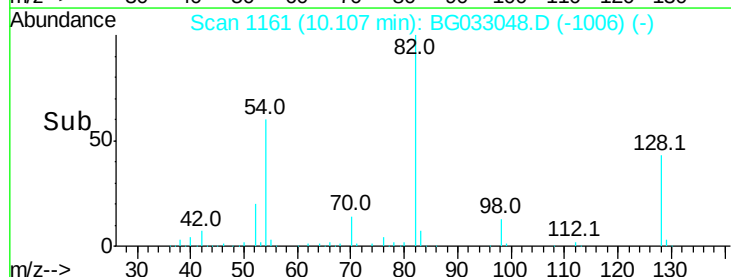
42 55.0 49.1 73.7

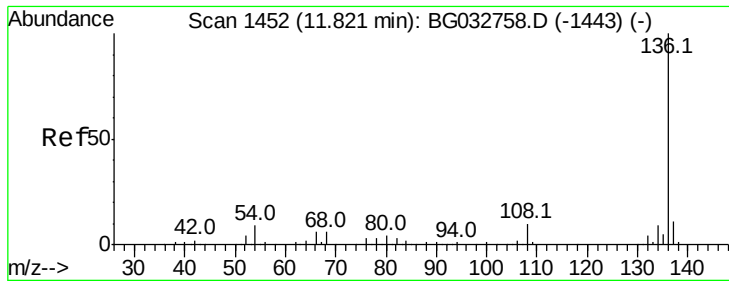
101 0.0 8.5 12.7#

130 2.0 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

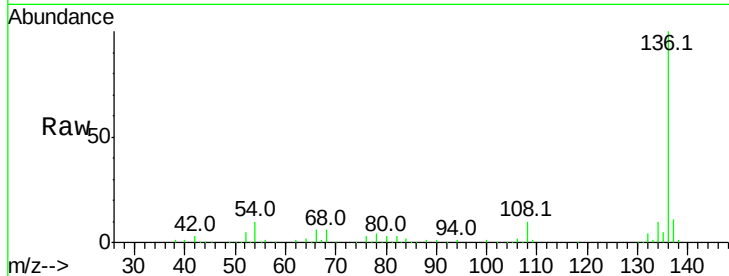




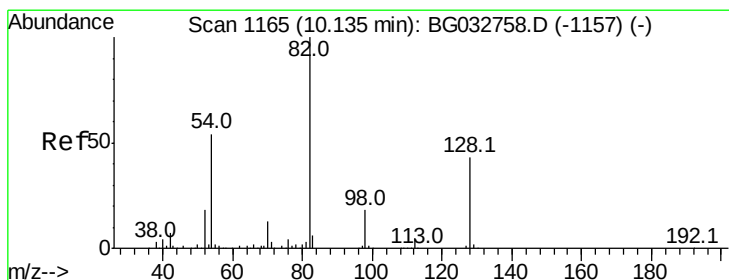
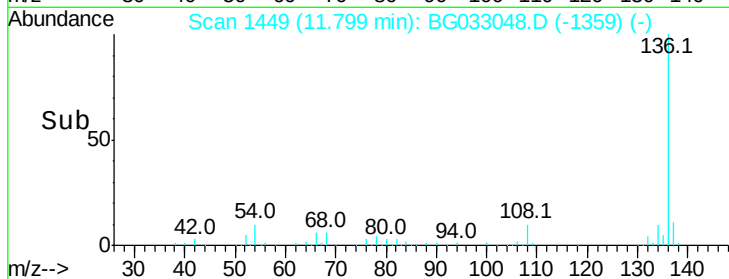
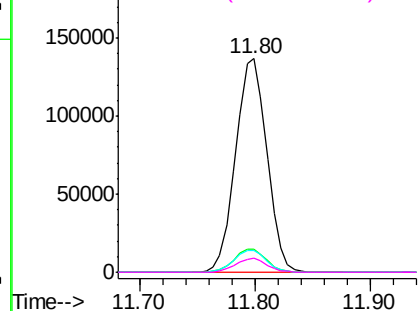
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	256640
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	10.1	10.3	15.5#
68	6.4	4.5	6.7

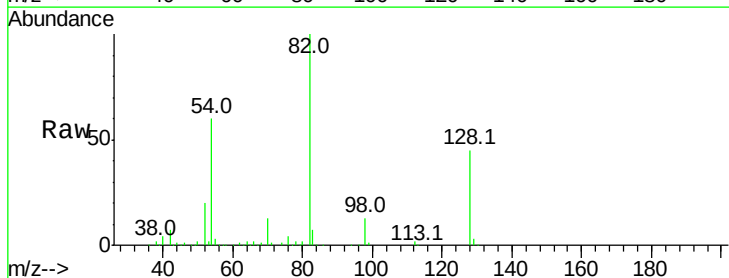


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

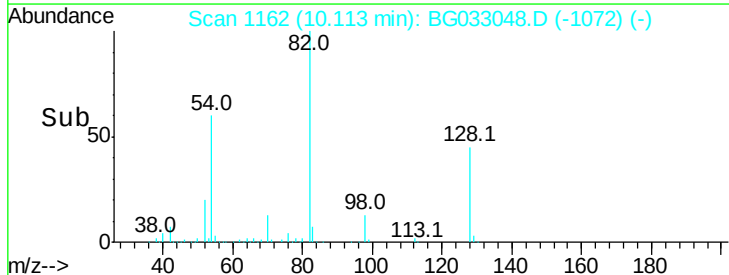
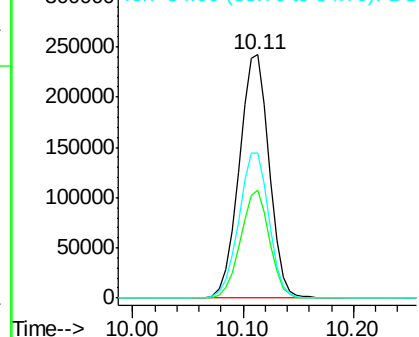


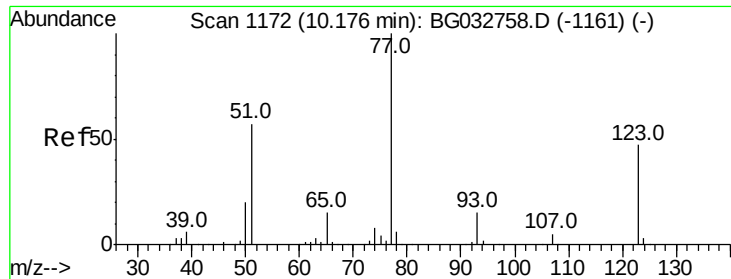
#23
Nitrobenzene-d5
Concen: 120.274 ng
RT: 10.11 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:	82	Resp:	462023
Ion	Ratio	Lower	Upper
82	100		
128	44.6	29.7	44.5#
54	59.6	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: 6.667 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

Instrument :

BNA_G

ClientSampled :

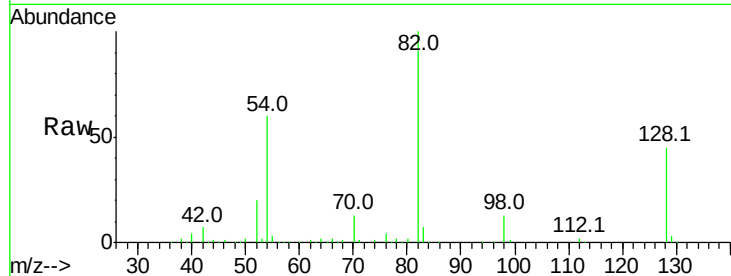
Tot Ion: 77 Resp: 1351

Ion Ratio Lower Upper

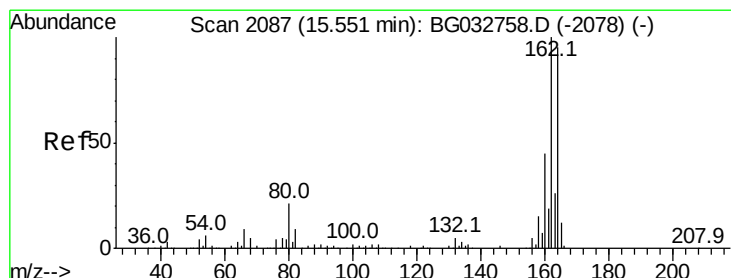
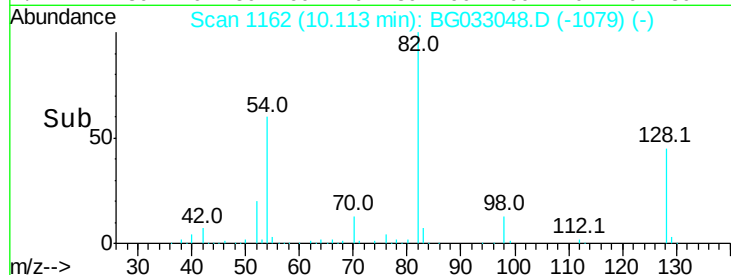
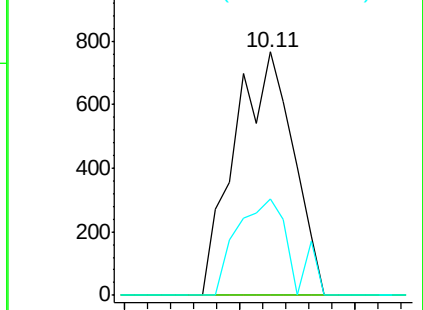
77 100

123 0.0 33.0 49.6#

65 39.7 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033048.D

Acq: 8 Mar 2018 19:46

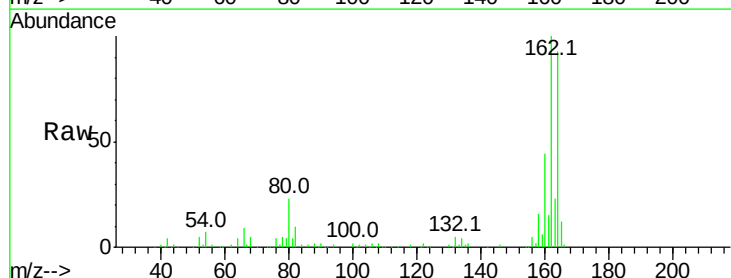
Tgt Ion:164 Resp: 140245

Ion Ratio Lower Upper

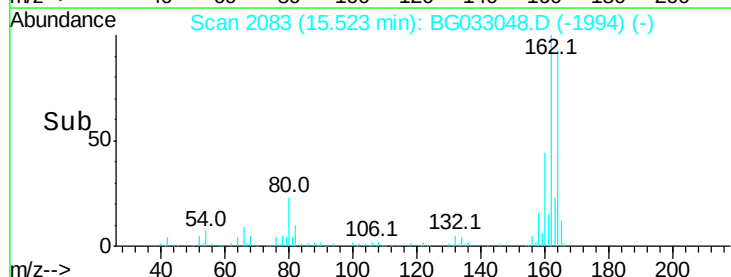
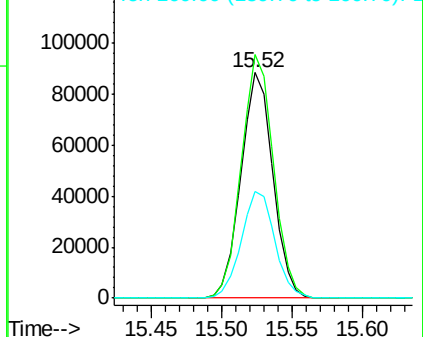
164 100

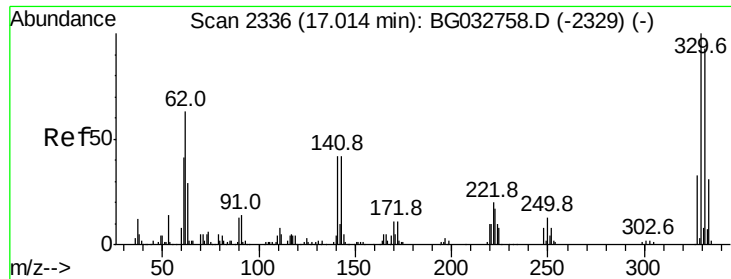
162 108.1 78.8 118.2

160 47.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

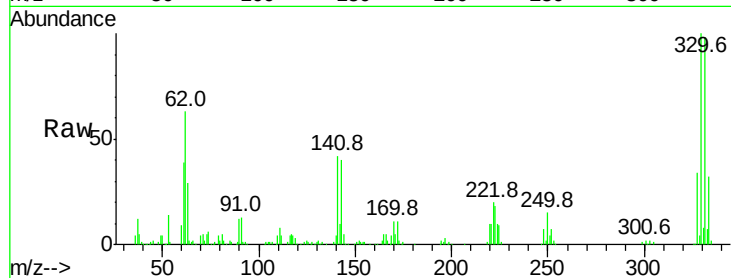




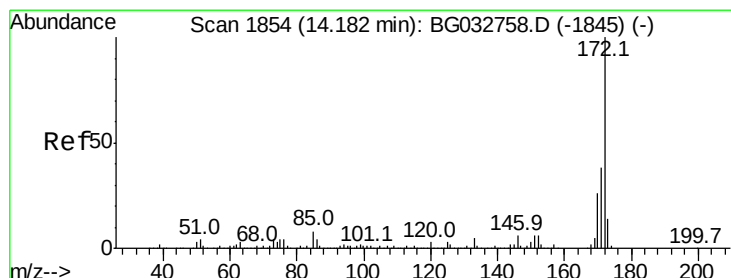
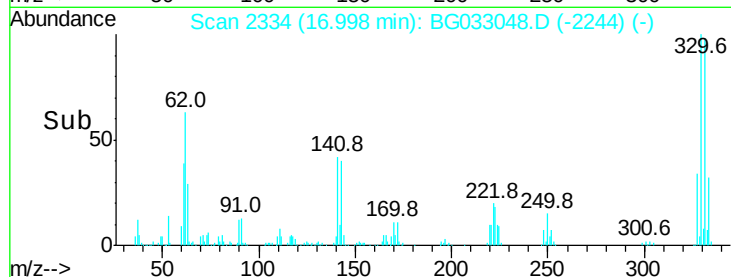
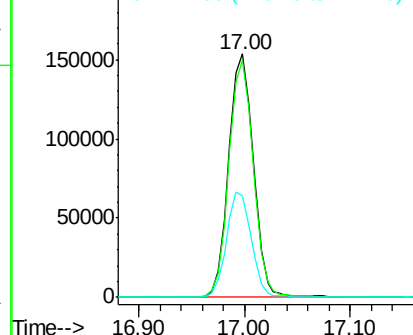
#41
 2,4,6-Tribromophenol
 Concen: 169.616 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033048.D
 Acq: 8 Mar 2018 19:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 250121
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 43.2 25.2 37.8#

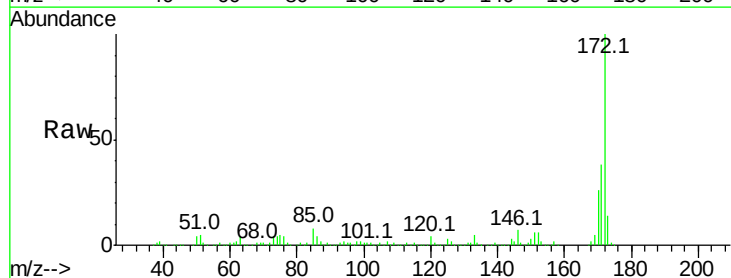


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

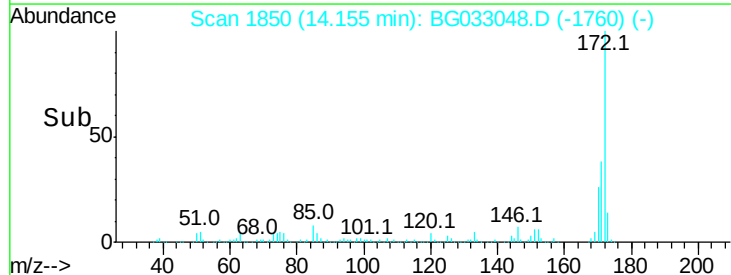
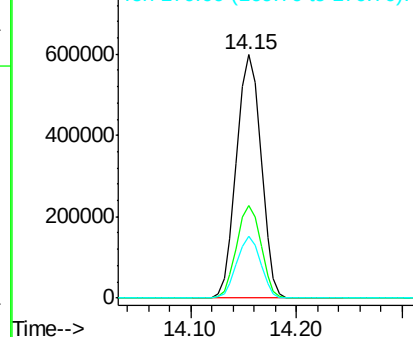


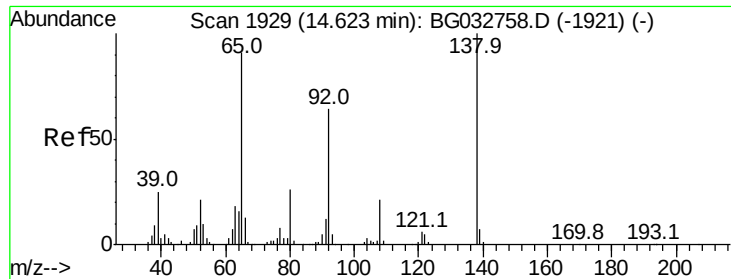
#44
 2-Fluorobiphenyl
 Concen: 99.226 ng
 RT: 14.15 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033048.D
 Acq: 8 Mar 2018 19:46

Tgt Ion:172 Resp: 964872
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 25.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

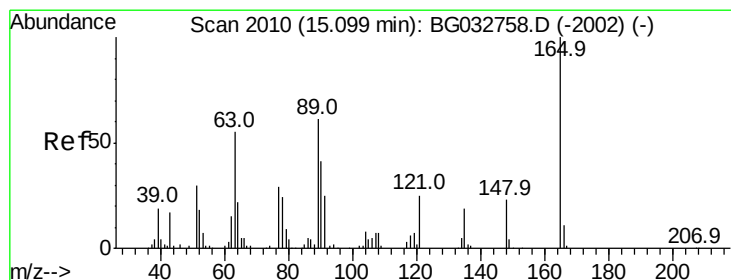
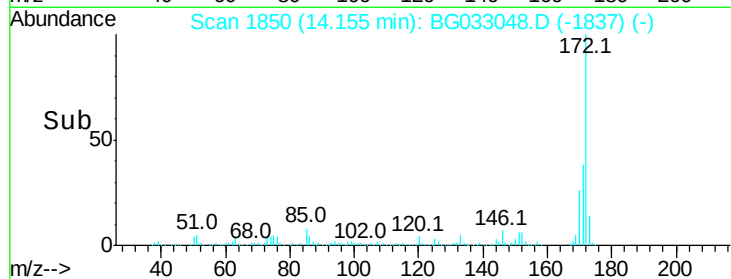
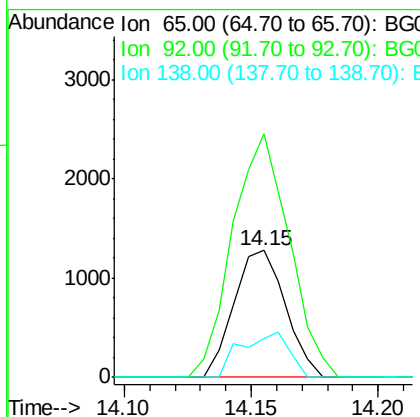
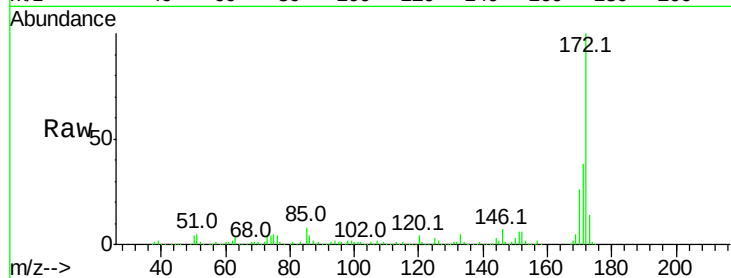




#47
2-Nitroaniline
Concen: 10.460 ng
RT: 14.15 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

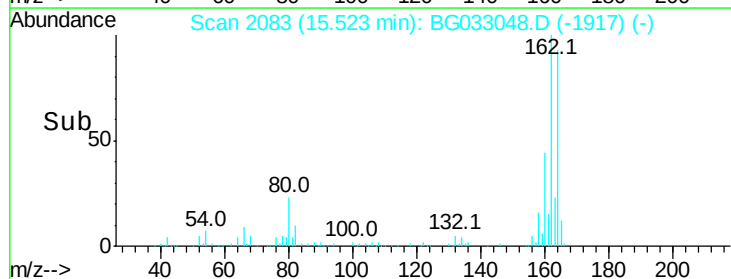
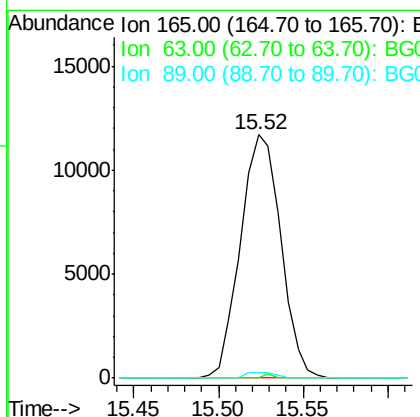
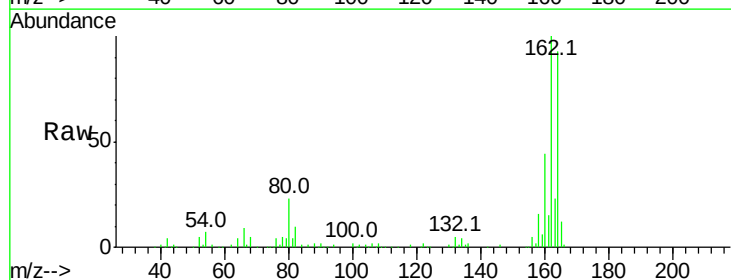
Instrument :
BNA_G
ClientSampleId :

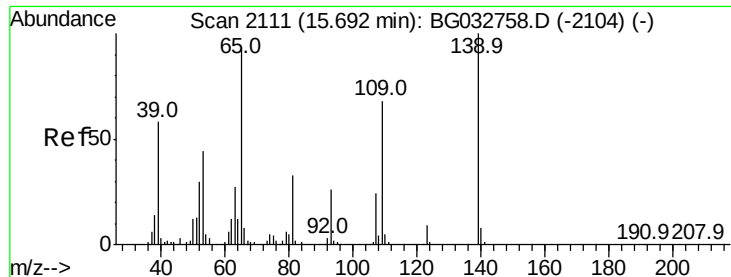
Tot Ion: 65 Resp: 1812
Ion Ratio Lower Upper
65 100
92 192.4 54.6 82.0#
138 30.6 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.965 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:165 Resp: 19519
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.0 49.2 73.8#

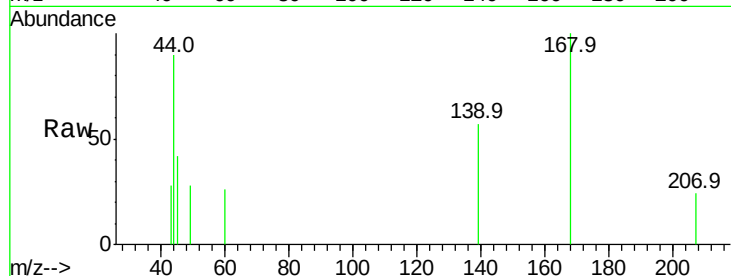




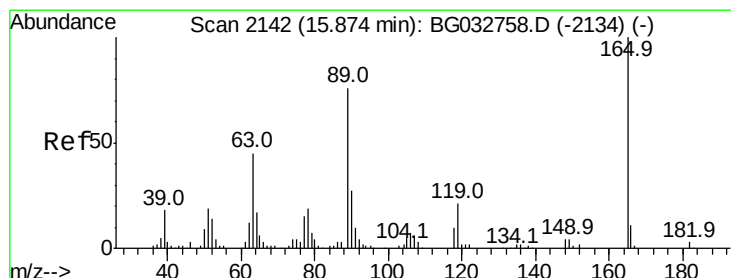
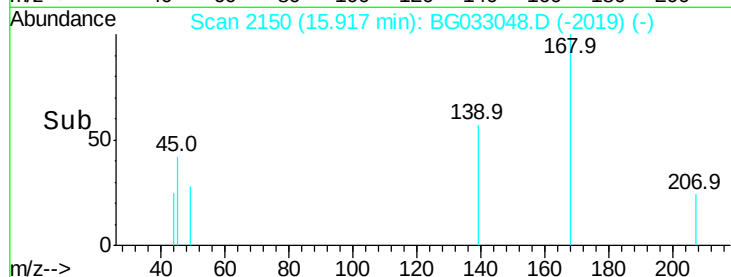
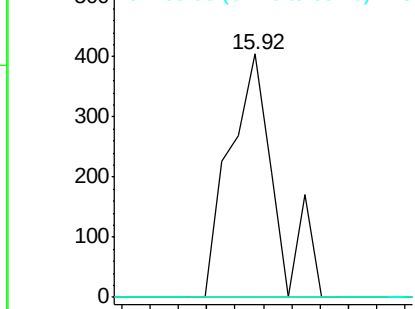
#55
4-Nitrophenol
Concen: 7.291 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 451
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

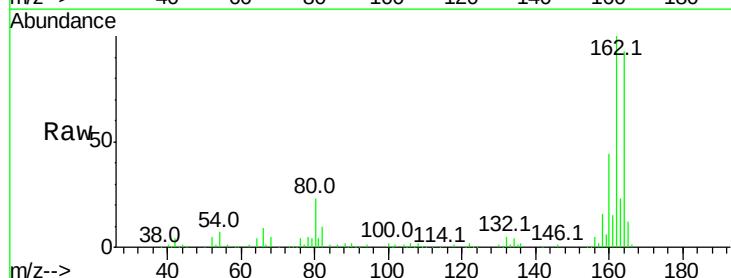


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

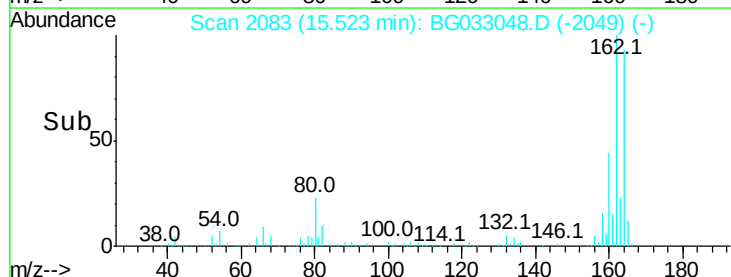
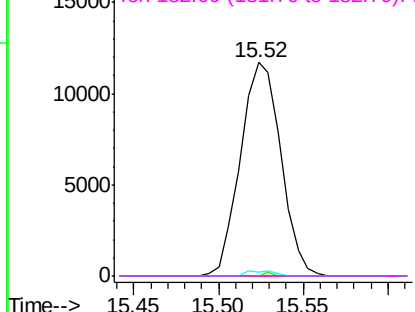


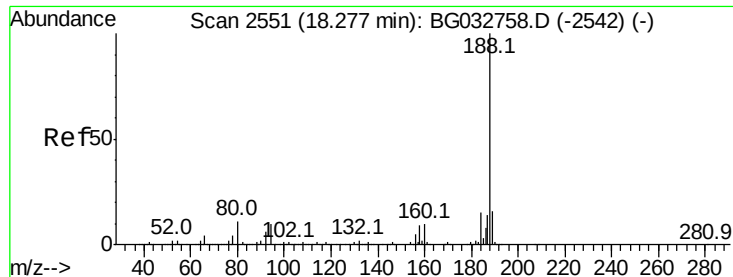
#56
2,4-Dinitrotoluene
Concen: 15.166 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:165 Resp: 19519
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.0 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

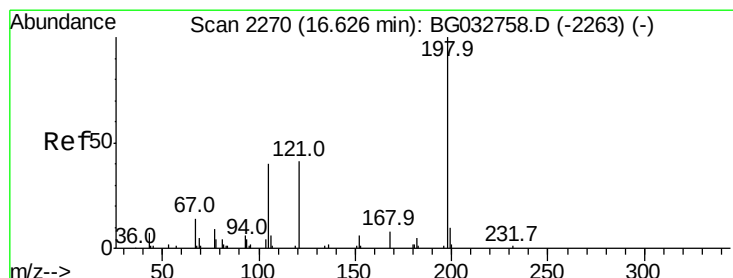
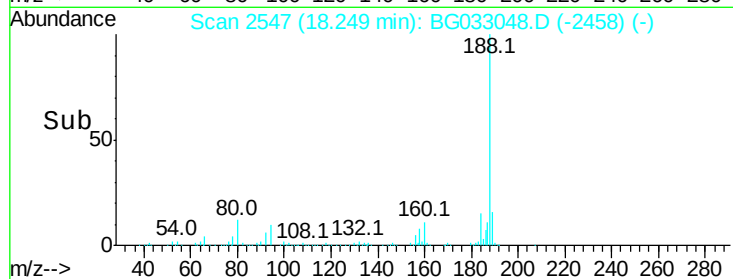
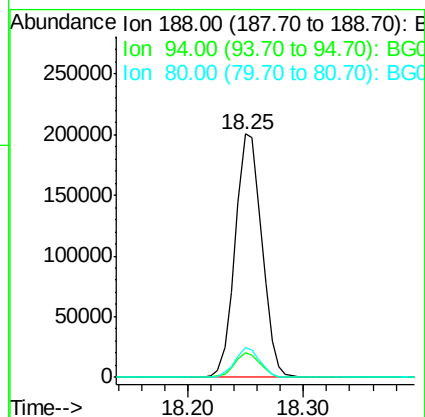
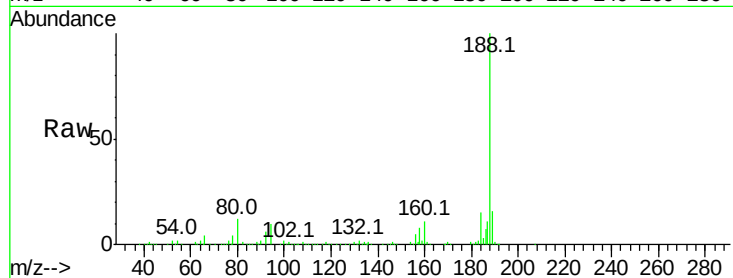




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

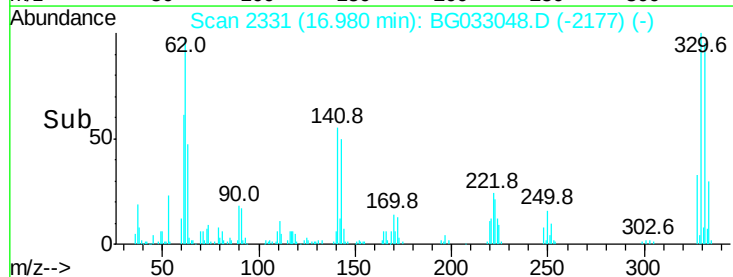
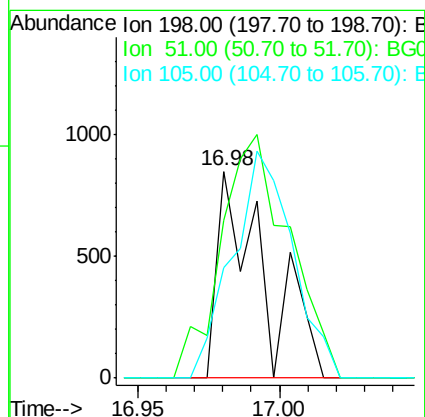
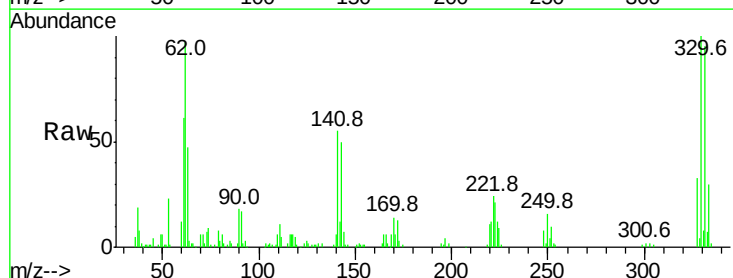
Instrument :
BNA_G
ClientSampleId :

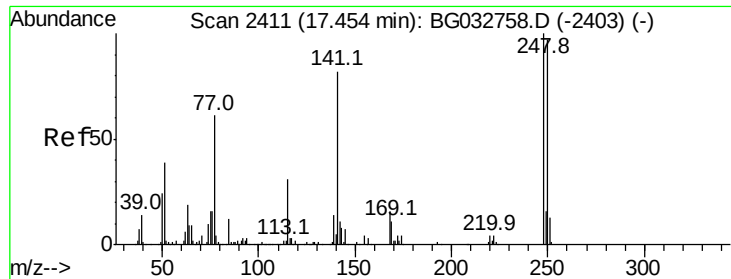
Tot Ion:188 Resp: 321435
Ion Ratio Lower Upper
188 100
94 10.4 6.9 10.3#
80 12.3 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.242 ng
RT: 16.98 min Scan# 2331
Delta R.T. 0.37 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:198 Resp: 982
Ion Ratio Lower Upper
198 100
51 76.4 30.6 70.6#
105 53.3 23.8 63.8

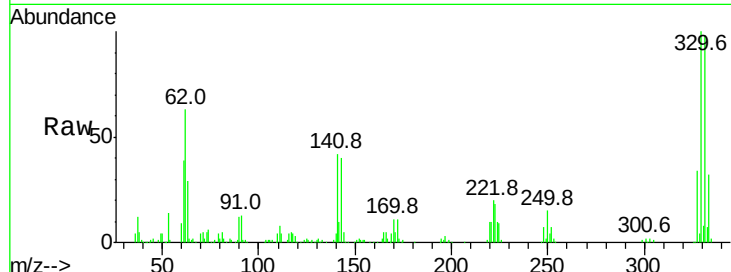




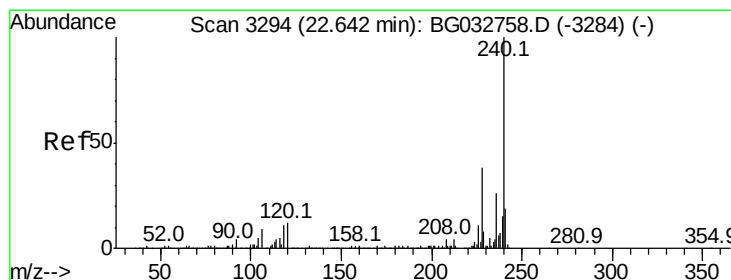
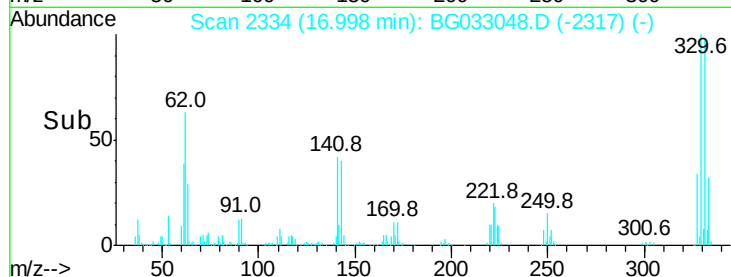
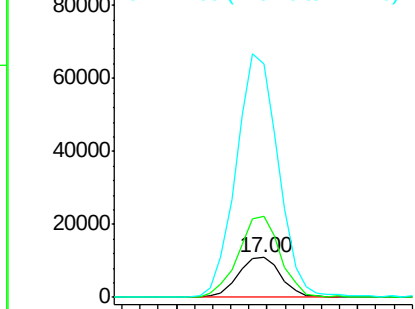
#66
4-Bromophenyl-phenylether
Concen: 5.259 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17874
Ion Ratio Lower Upper
248 100
250 204.4 77.1 115.7#
141 585.6 50.8 76.2#

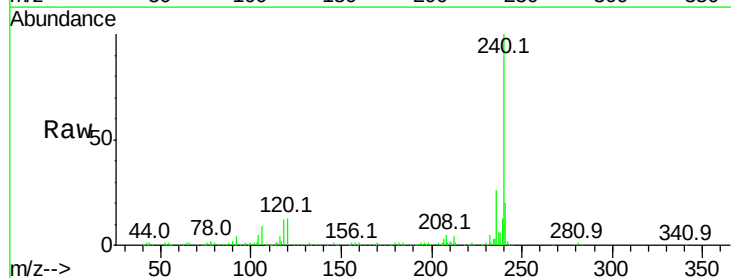


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

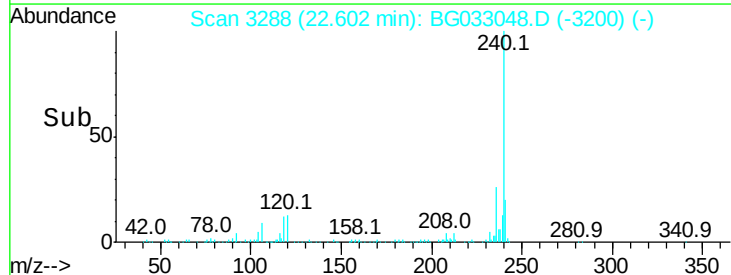
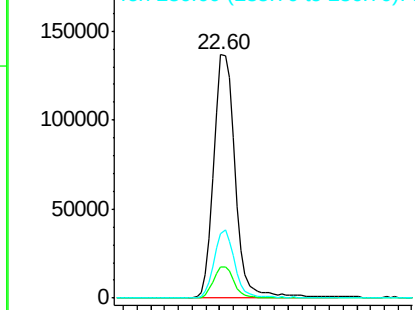


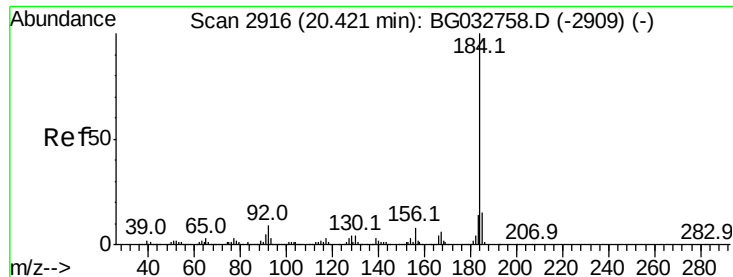
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:240 Resp: 299202
Ion Ratio Lower Upper
240 100
120 12.6 6.8 10.2#
236 26.2 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

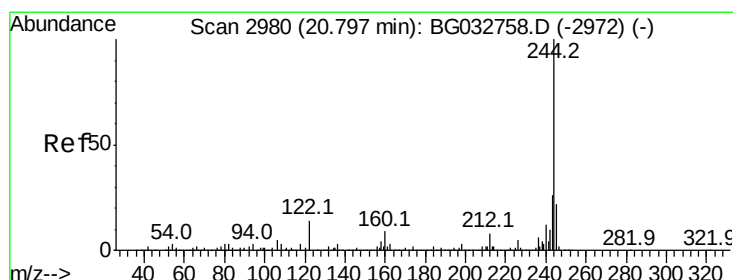
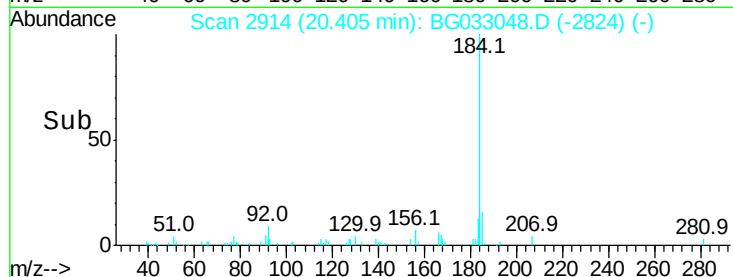
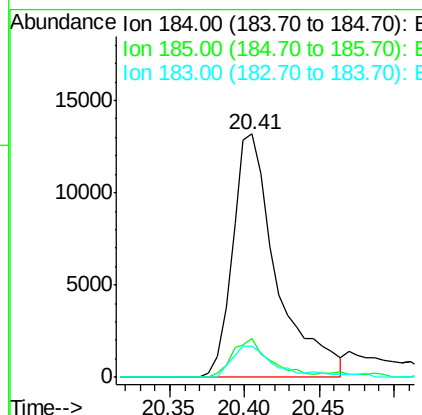
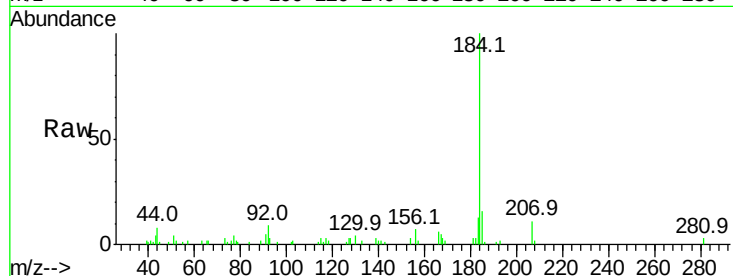




#76
Benzidine
Concen: 2.645 ng
RT: 20.41 min Scan# 2914
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

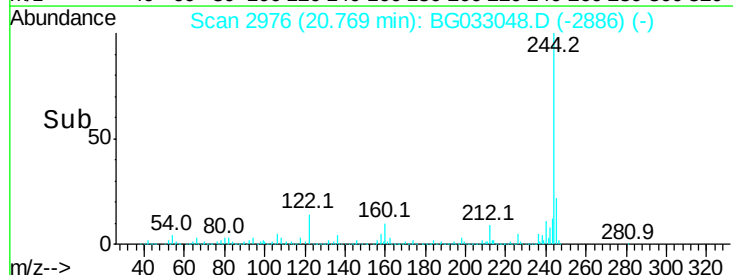
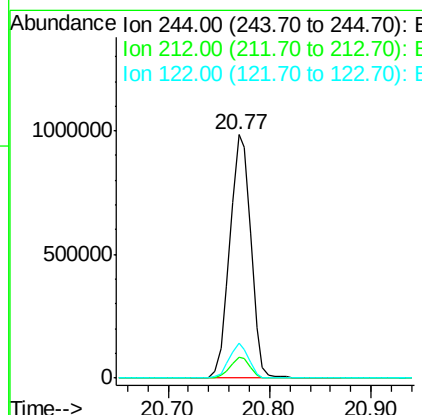
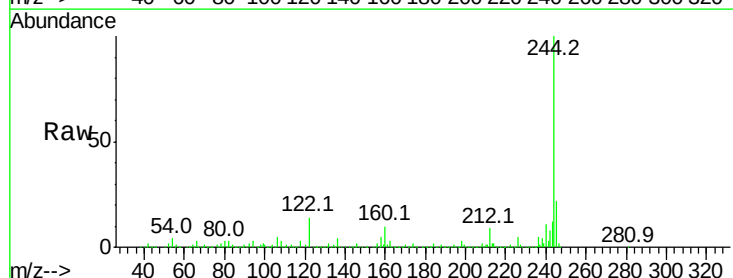
Instrument :
BNA_G
ClientSampleId :

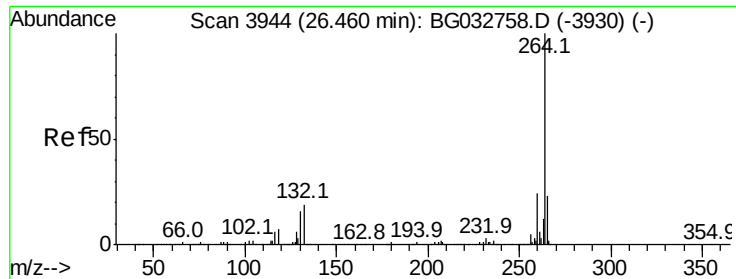
Tot Ion:184 Resp: 26976
Ion Ratio Lower Upper
184 100
185 16.1 11.1 16.7
183 12.6 10.6 16.0



#78
Terphenyl-d14
Concen: 106.646 ng
RT: 20.77 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Tgt Ion:244 Resp: 1420231
Ion Ratio Lower Upper
244 100
212 8.5 5.8 8.8
122 14.1 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3936
Delta R.T. 0.00 min
Lab File: BG033048.D
Acq: 8 Mar 2018 19:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 282740

Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	22.7	17.7	26.5

