

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
 Data File : BG033730.D
 Acq On : 11 Apr 2018 3:09
 Operator : SJ/JU
 Sample : J2156-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 11 04:12:58 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 16:51:36 2018
 Response via : Initial Calibration

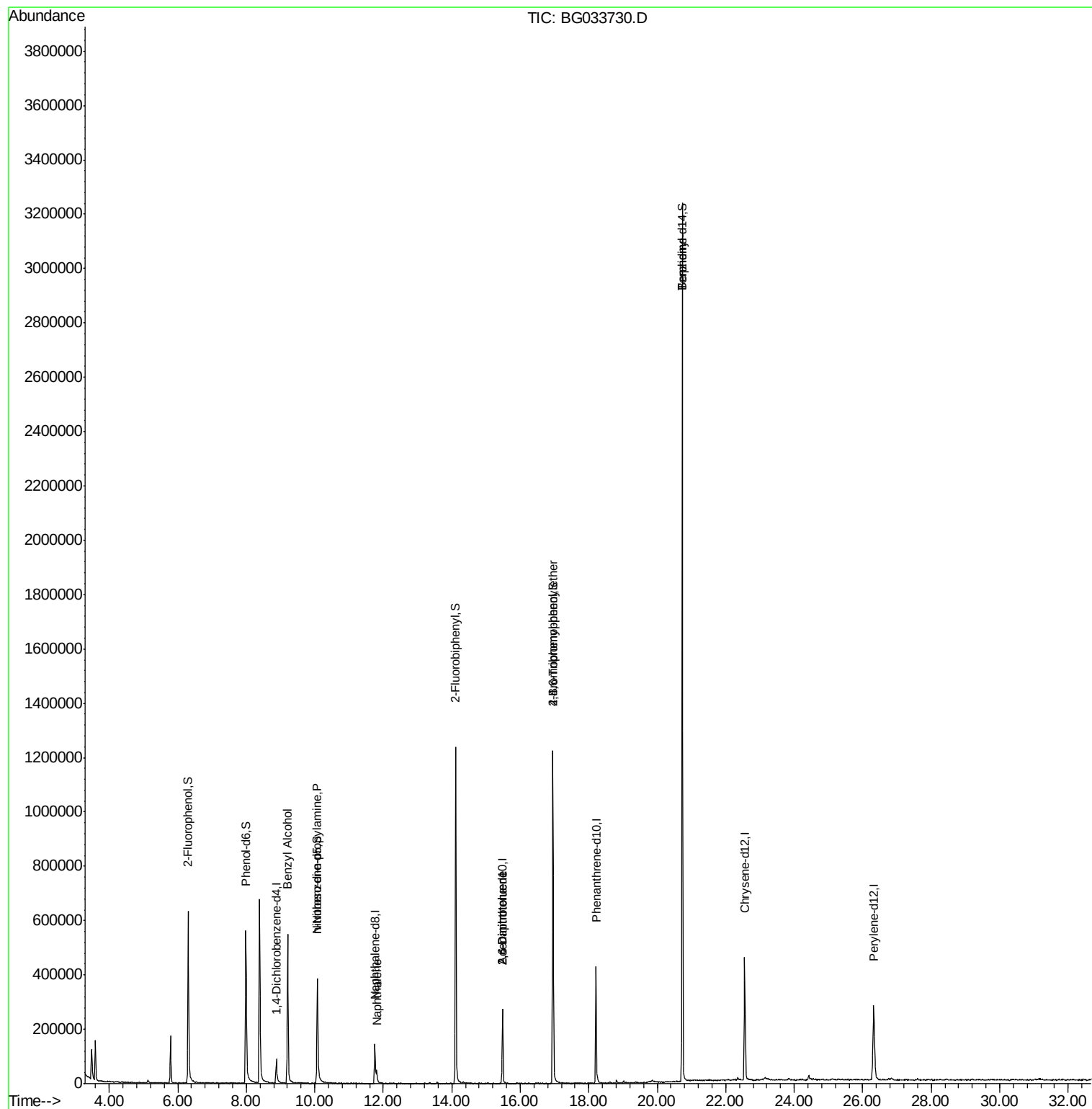
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	32008	20.00	ng	0.02
21) Naphthalene-d8	11.75	136	139571	20.00	ng	0.02
38) Acenaphthene-d10	15.48	164	102895	20.00	ng	0.01
63) Phenanthrene-d10	18.21	188	305034	20.00	ng	0.00
75) Chrysene-d12	22.55	240	342475	20.00	ng	0.00
86) Perylene-d12	26.32	264	369161	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	302591	177.27	ng	0.02
7) Phenol-d6	7.99	99	388719	132.54	ng	0.02
23) Nitrobenzene-d5	10.07	82	314044	103.38	ng	0.02
41) 2,4,6-Tribromophenol	16.95	330	236885	153.93	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	699235	98.10	ng	0.00
78) Terphenyl-d14	20.73	244	1630220	101.80	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.21	79	6280	2.720	ng	# 56
19) n-Nitroso-di-n-propylamine	10.07	70	41337	19.234	ng	# 76
31) Naphthalene	11.81	128	42620	5.893	ng	# 92
50) 2,6-Dinitrotoluene	15.48	165	13244	7.233	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	13244	4.913	ng	# 18
66) 4-Bromophenyl-phenylether	16.95	248	17968	5.016	ng	# 1
76) Benizidine	20.73	184	28297	3.047	ng	# 94

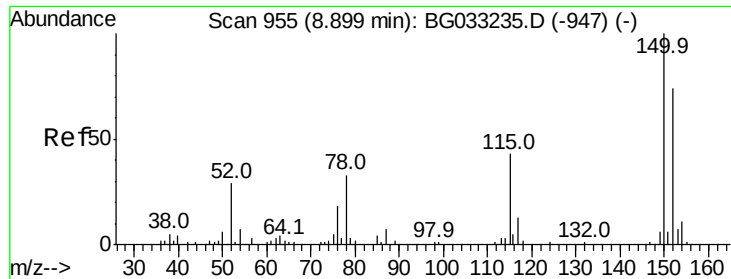
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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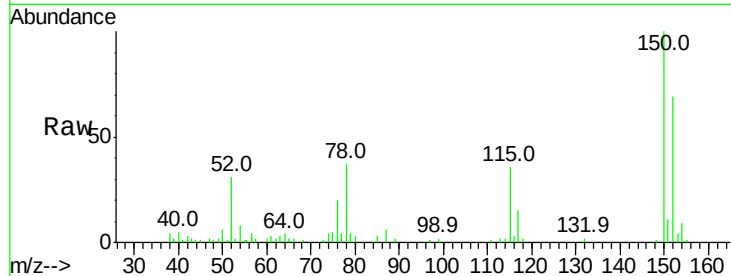


#1

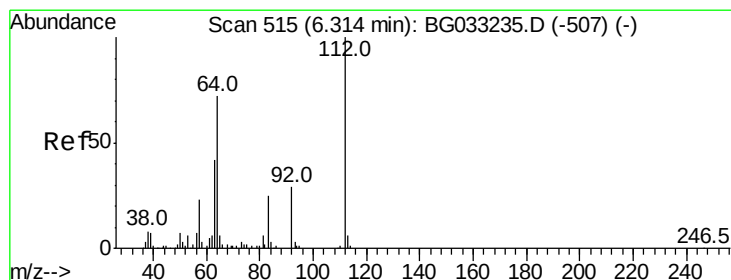
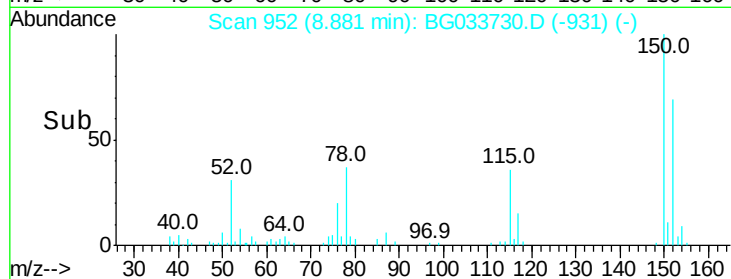
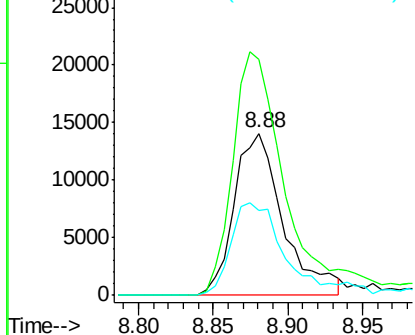
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.88 min Scan# 952
Delta R.T. 0.02 min
Lab File: BG033730.D
Acq: 11 Apr 2018 3:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 32008
Ion Ratio Lower Upper
152 100
150 145.3 126.6 189.8
115 52.4 53.0 79.4#



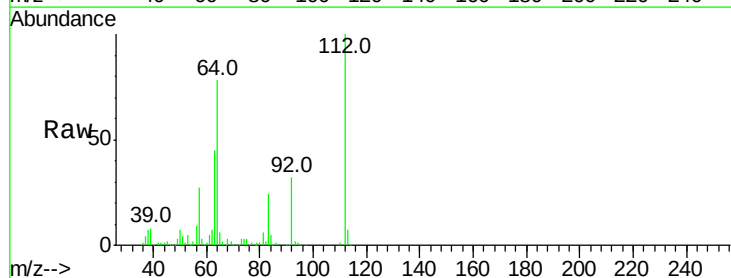
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



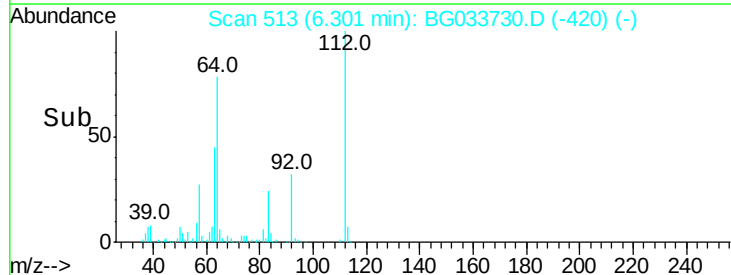
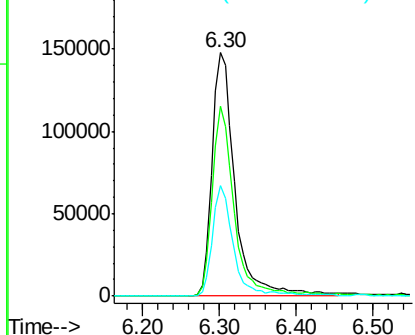
#5

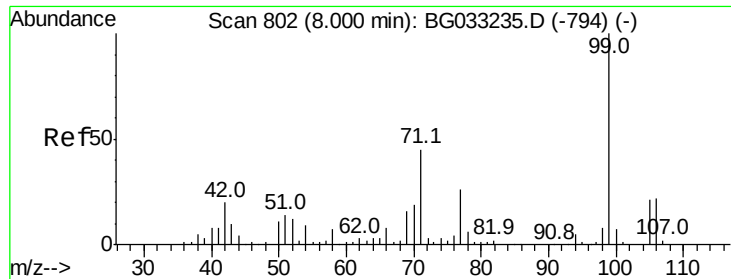
2-Fluorophenol
Concen: 177.266 ng
RT: 6.30 min Scan# 513
Delta R.T. 0.02 min
Lab File: BG033730.D
Acq: 11 Apr 2018 3:09

Tgt Ion:112 Resp: 302591
Ion Ratio Lower Upper
112 100
64 77.8 56.3 84.5
63 45.4 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: 132.535 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.02 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

Instrument :

BNA_G

ClientSampleId :

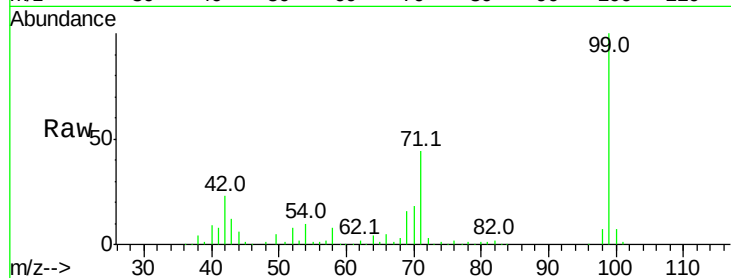
Tot Ion: 99 Resp: 388719

Ion Ratio Lower Upper

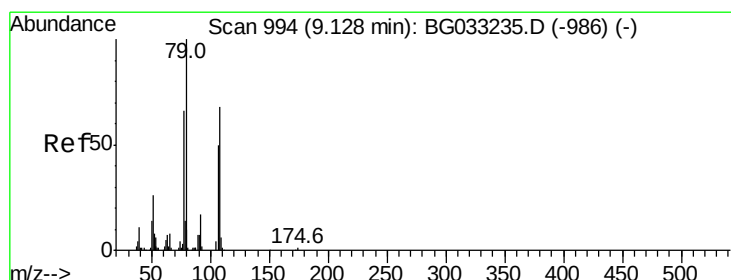
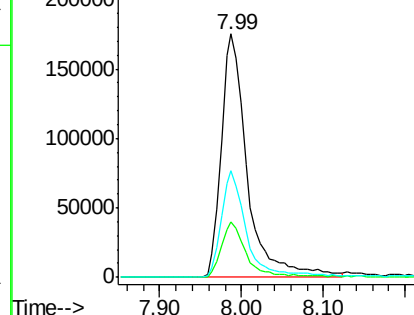
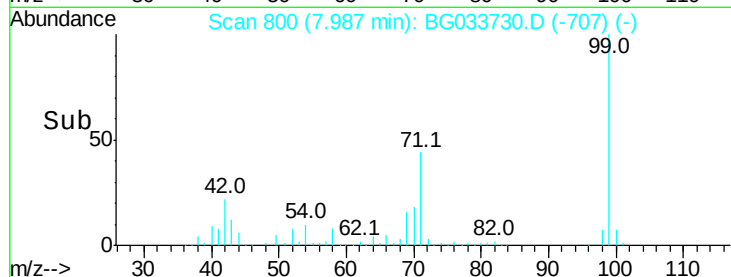
99 100

42 22.6 14.1 21.1#

71 44.0 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: 2.720 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.12 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

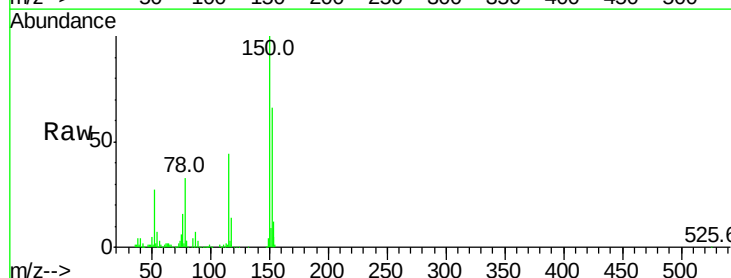
Tgt Ion: 79 Resp: 6280

Ion Ratio Lower Upper

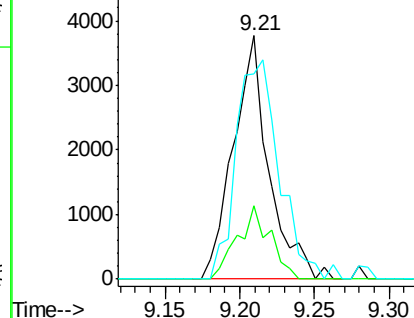
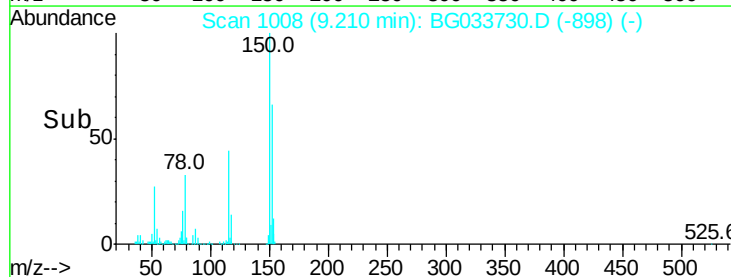
79 100

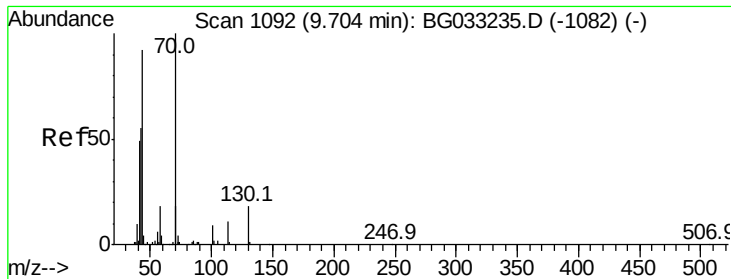
108 30.0 57.2 85.8#

77 84.2 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

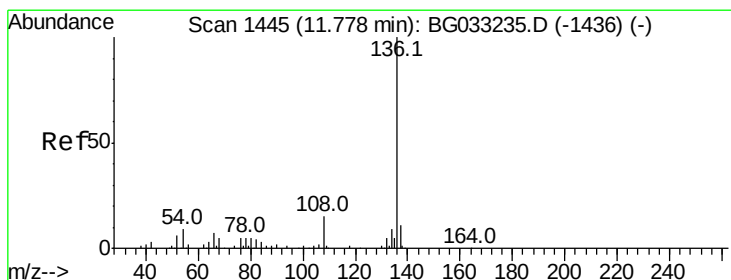
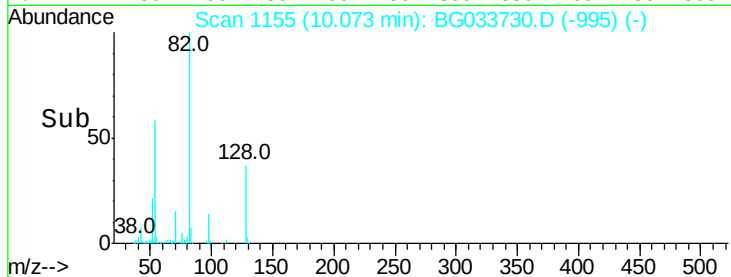
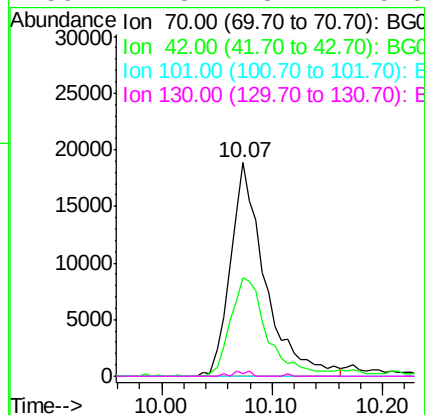
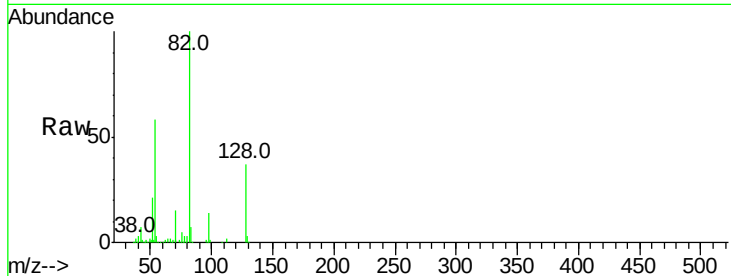




#19
n-Nitroso-di-n-propylamine
Concen: 19.234 ng
RT: 10.07 min Scan# 1155
Delta R.T. 0.41 min
Lab File: BG033730.D
Acq: 11 Apr 2018 3:09

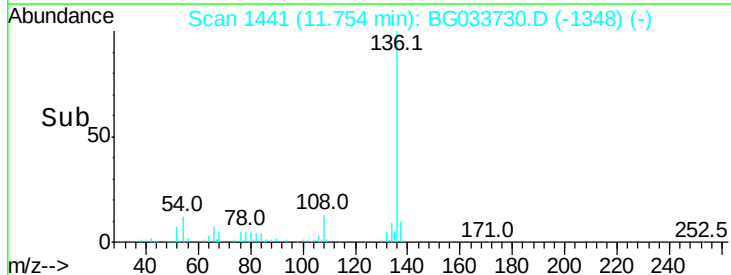
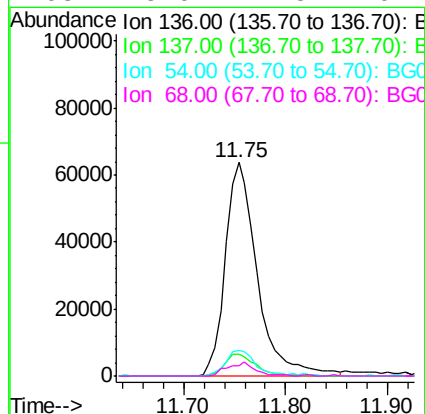
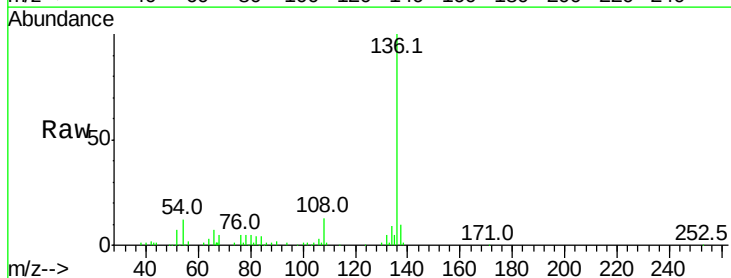
Instrument :
BNA_G
ClientSampled :

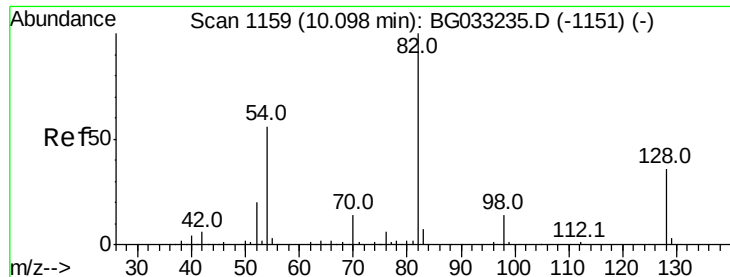
Tot Ion: 70 Resp: 41337
Ion Ratio Lower Upper
70 100
42 46.2 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1441
Delta R.T. 0.02 min
Lab File: BG033730.D
Acq: 11 Apr 2018 3:09

Tgt Ion: 136 Resp: 139571
Ion Ratio Lower Upper
136 100
137 10.0 9.2 13.8
54 12.2 10.3 15.5
68 5.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 103.377 ng

RT: 10.07 min Scan# 1155

Delta R.T. 0.02 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

Instrument :

BNA_G

ClientSampleId :

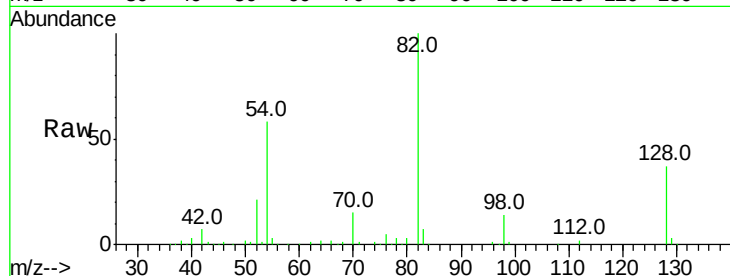
Tot Ion: 82 Resp: 314044

Ion Ratio Lower Upper

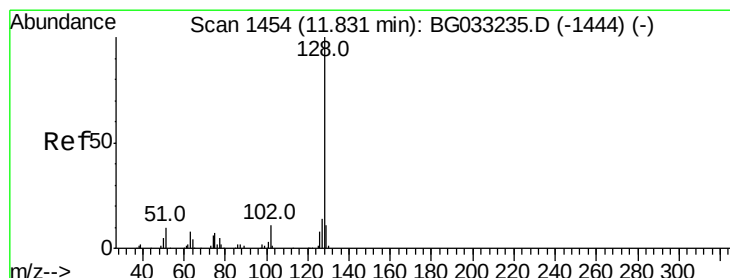
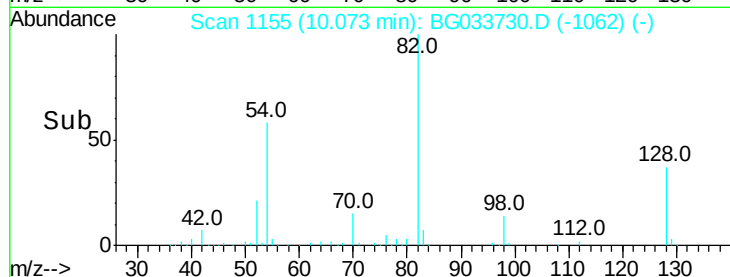
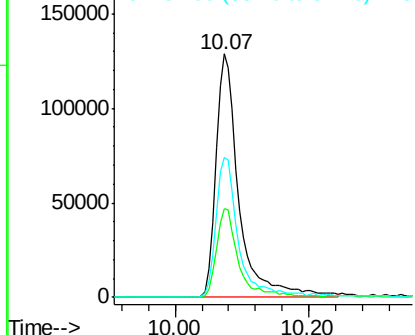
82 100

128 36.6 29.7 44.5

54 57.6 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



#31

Naphthalene

Concen: 5.893 ng

RT: 11.81 min Scan# 1450

Delta R.T. 0.02 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

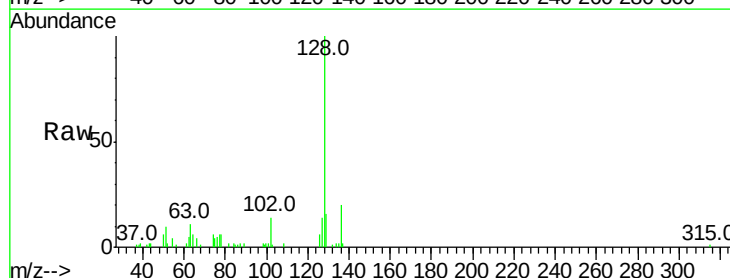
Tgt Ion: 128 Resp: 42620

Ion Ratio Lower Upper

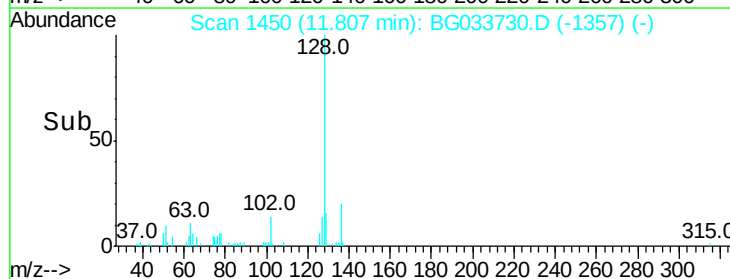
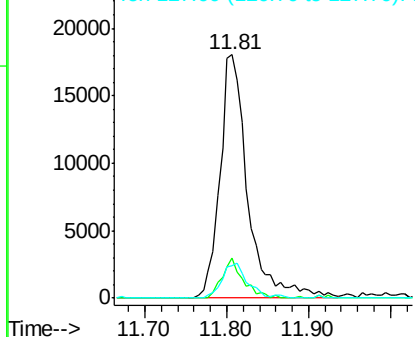
128 100

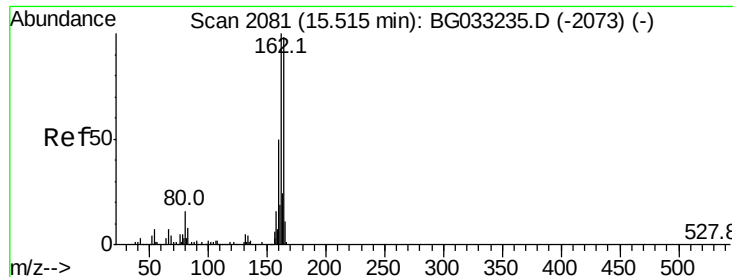
129 16.2 8.6 12.8#

127 13.5 11.6 17.4



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2076

Delta R.T. 0.01 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

Instrument :

BNA_G

ClientSampleId :

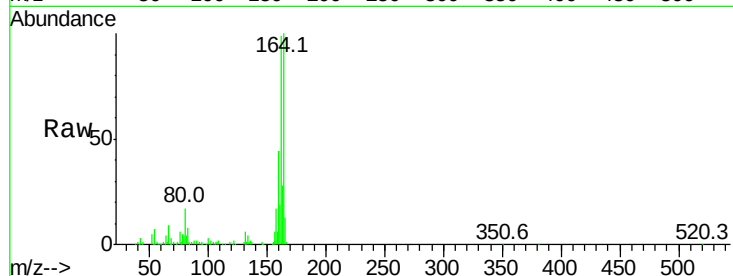
Tot Ion:164 Resp: 102895

Ion Ratio Lower Upper

164 100

162 98.8 78.8 118.2

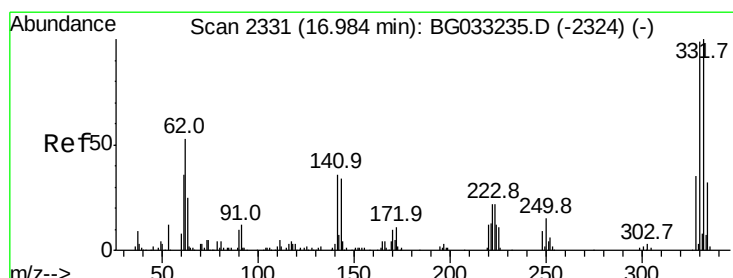
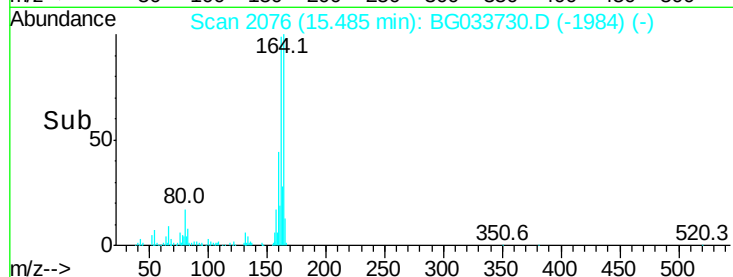
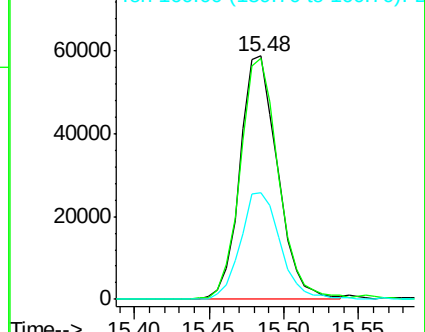
160 44.0 35.4 53.0



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: 153.930 ng

RT: 16.95 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

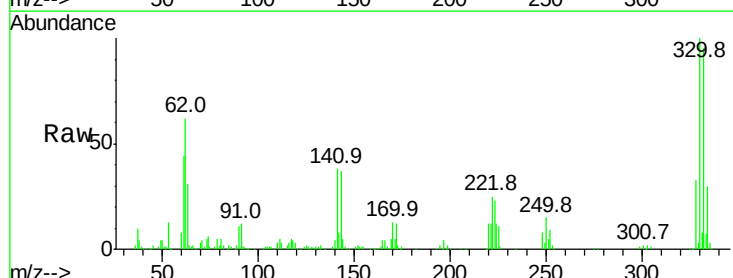
Tgt Ion:330 Resp: 236885

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

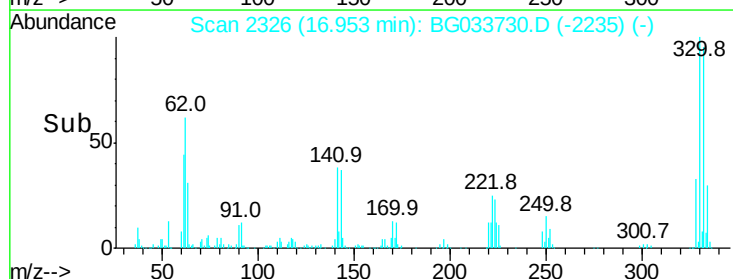
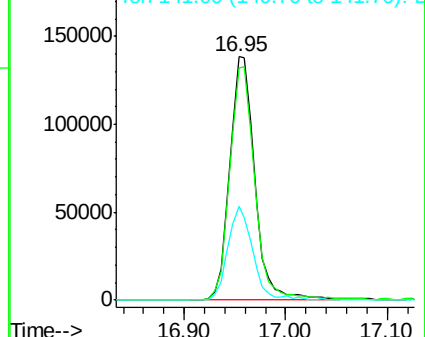
141 38.4 25.2 37.8#

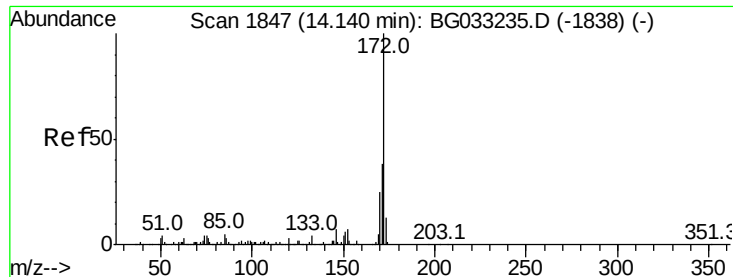


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

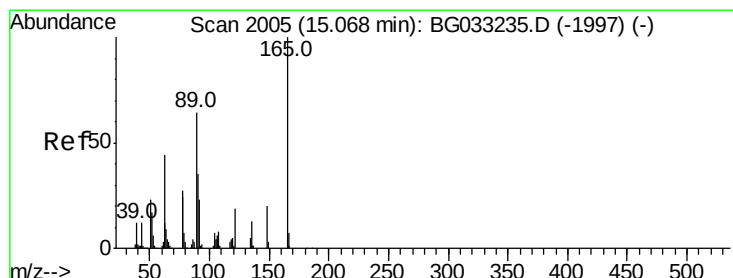
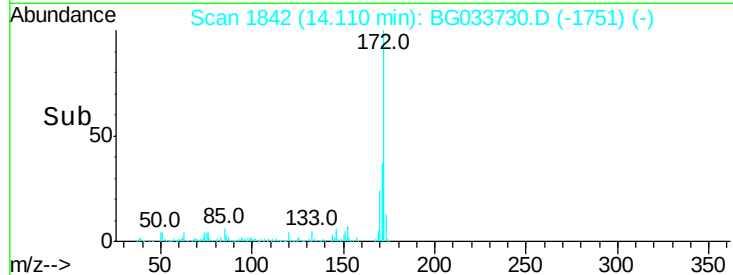
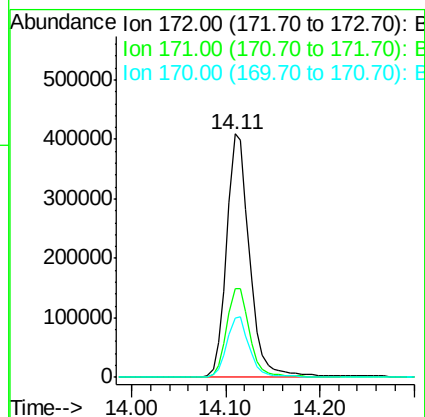
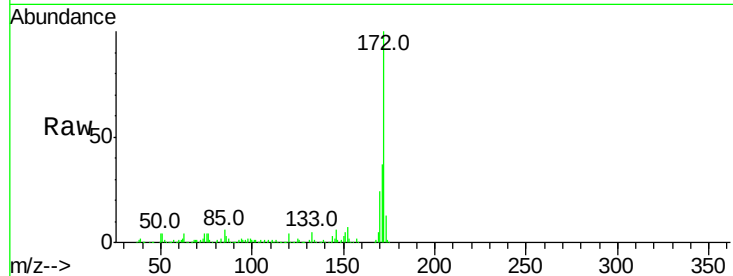




#44
 2-Fluorobiphenyl
 Concen: 98.104 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BG033730.D
 Acq: 11 Apr 2018 3:09

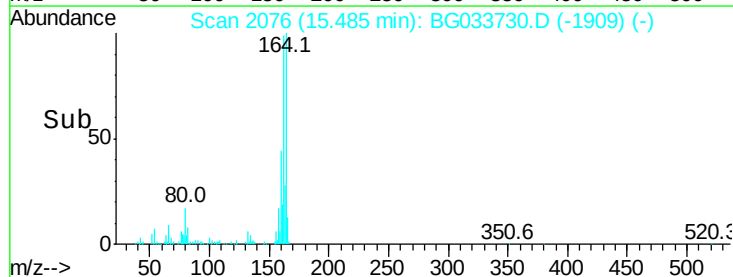
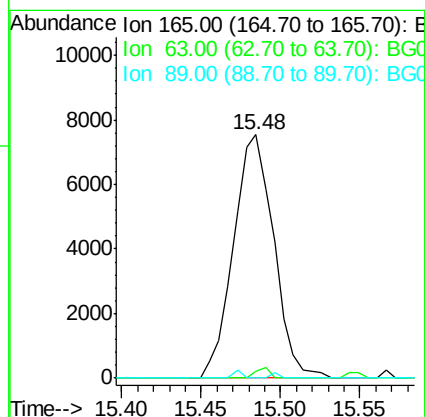
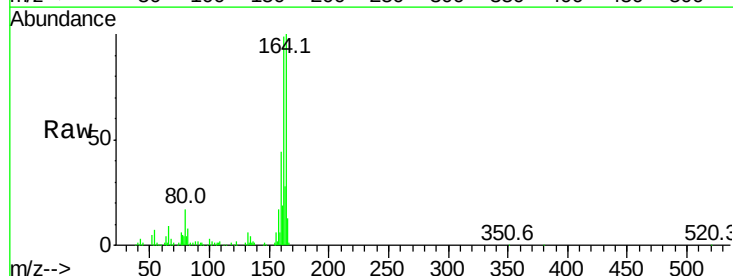
Instrument :
 BNA_G
 ClientSampleId :

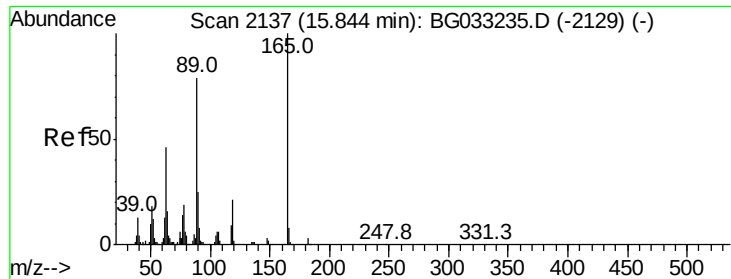
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.0	45.0
170	24.2	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.233 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. 0.45 min
 Lab File: BG033730.D
 Acq: 11 Apr 2018 3:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	52.7	79.1#
89	0.0	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.913 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.33 min

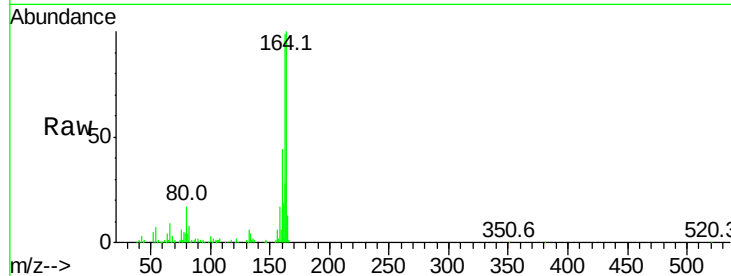
Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

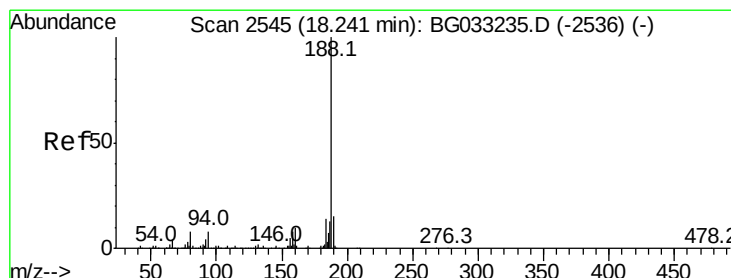
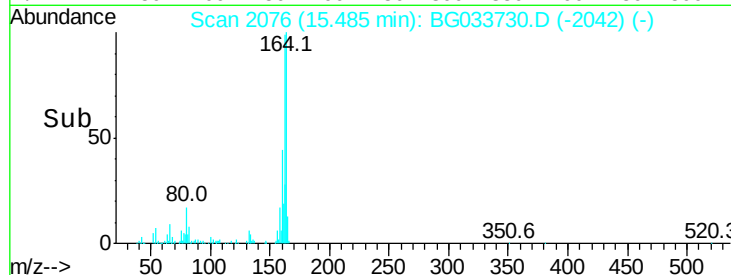
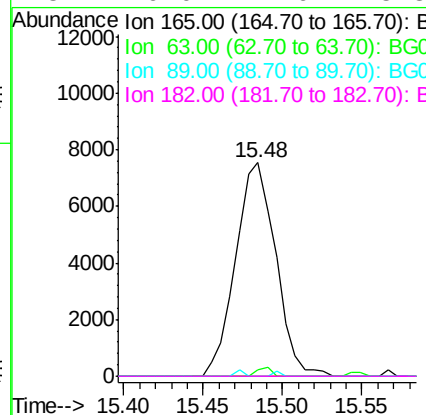
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	165	Resp:	13244
Ion	Ratio	Lower	Upper
165	100		
63	3.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

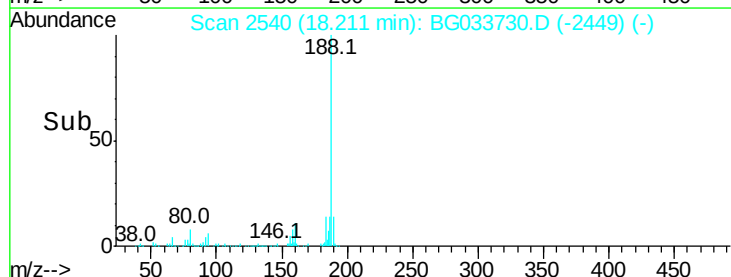
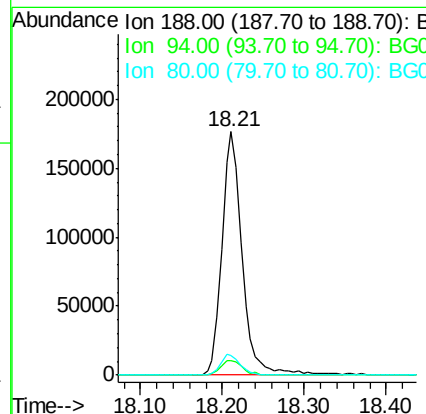
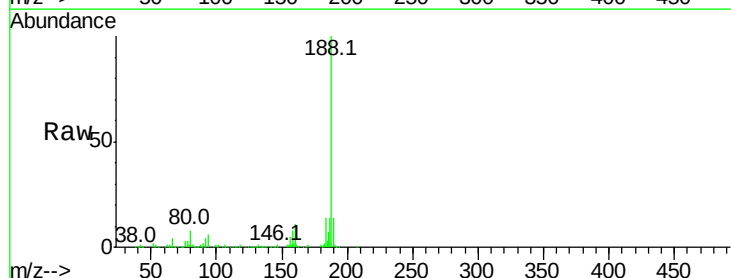
RT: 18.21 min Scan# 2540

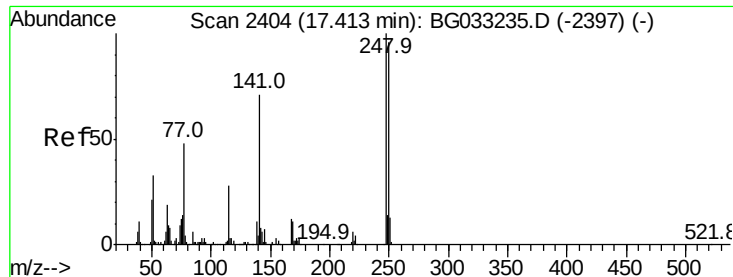
Delta R.T. 0.01 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

Tgt Ion:	188	Resp:	305034
Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	8.2	7.7	11.5

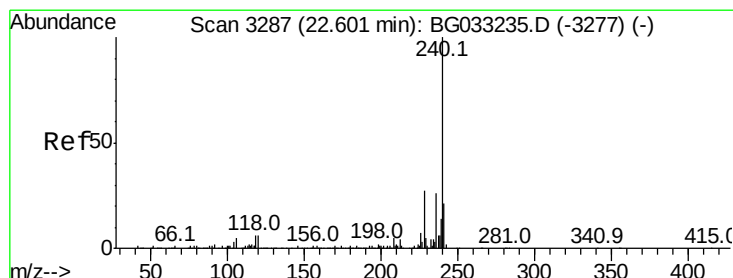
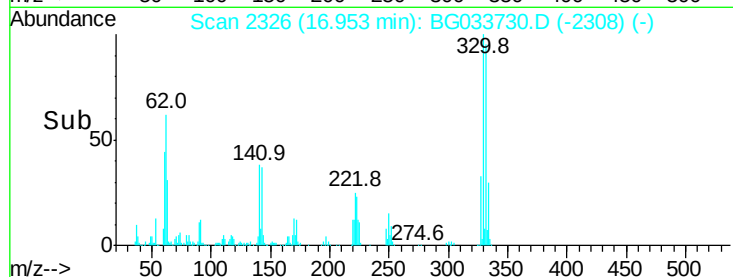
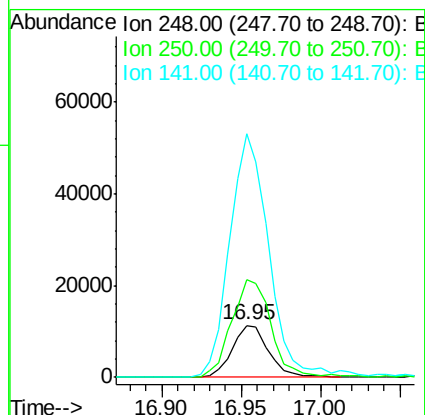
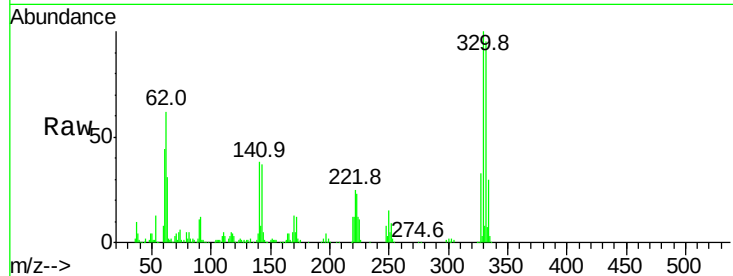




#66
 4-Bromophenyl-phenylether
 Concen: 5.016 ng
 RT: 16.95 min Scan# 2326
 Delta R.T. -0.42 min
 Lab File: BG033730.D
 Acq: 11 Apr 2018 3:09

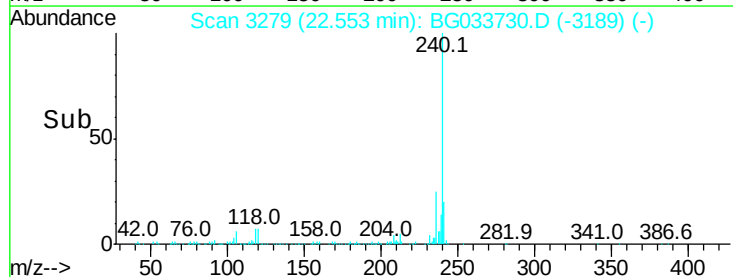
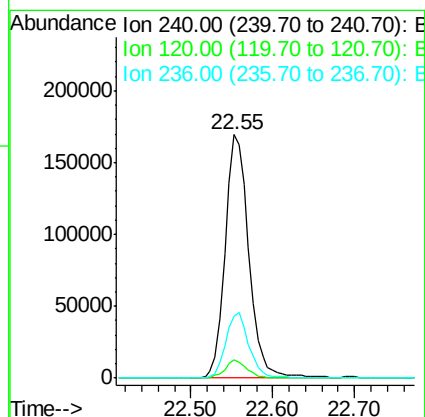
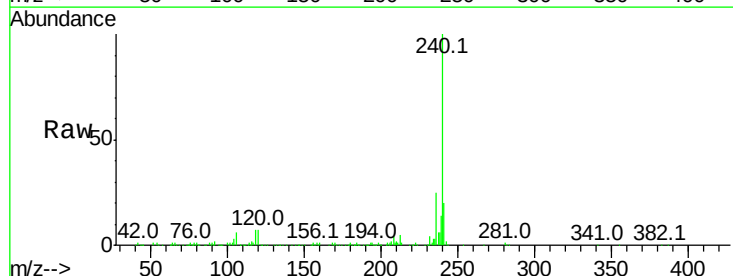
Instrument :
 BNA_G
 ClientSampleId :

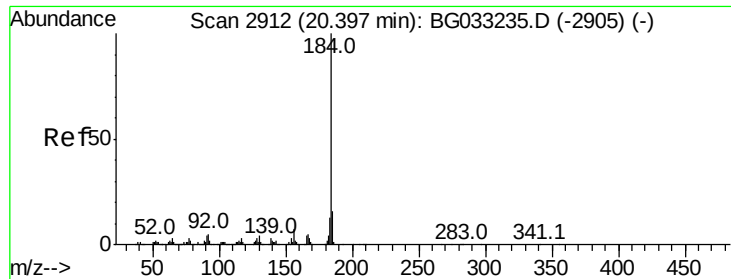
Tot Ion:248 Resp: 17968
 Ion Ratio Lower Upper
 248 100
 250 188.9 77.1 115.7#
 141 470.0 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.55 min Scan# 3279
 Delta R.T. -0.00 min
 Lab File: BG033730.D
 Acq: 11 Apr 2018 3:09

Tgt Ion:240 Resp: 342475
 Ion Ratio Lower Upper
 240 100
 120 7.3 6.8 10.2
 236 25.4 20.9 31.3





#76

Benzidine

Concen: 3.047 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.37 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

Instrument :

BNA_G

ClientSampleId :

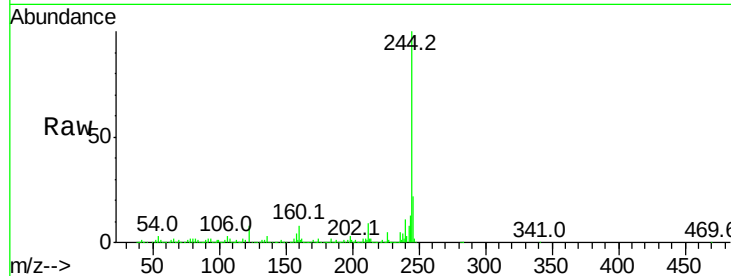
Tot Ion:184 Resp: 28297

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

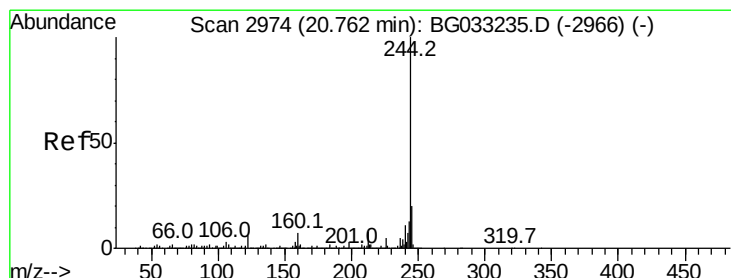
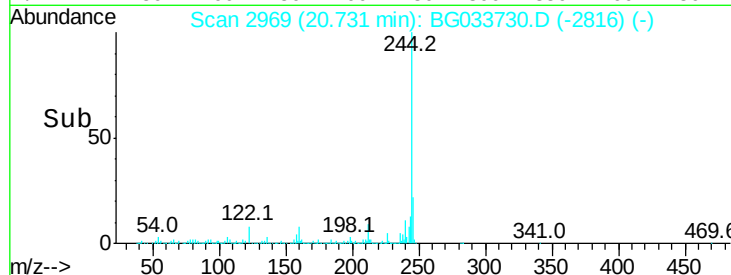
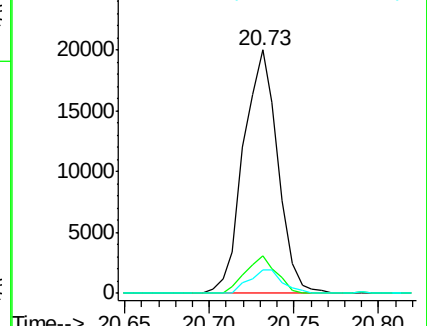
183 9.6 10.6 16.0#



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: 101.800 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.01 min

Lab File: BG033730.D

Acq: 11 Apr 2018 3:09

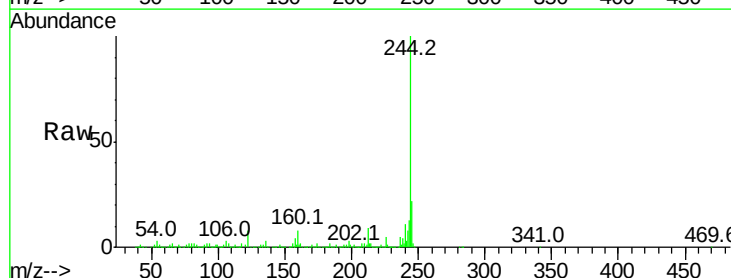
Tgt Ion:244 Resp: 1630220

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.8#

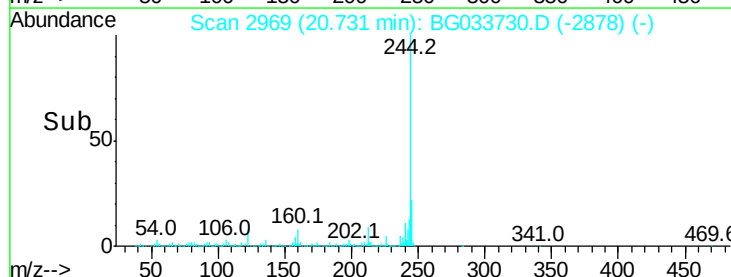
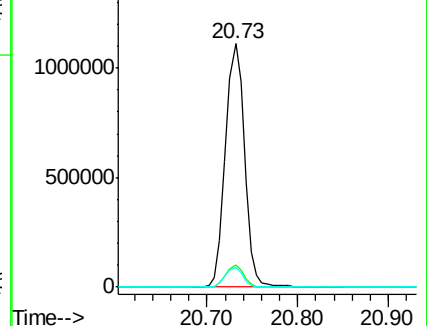
122 8.1 7.0 10.4

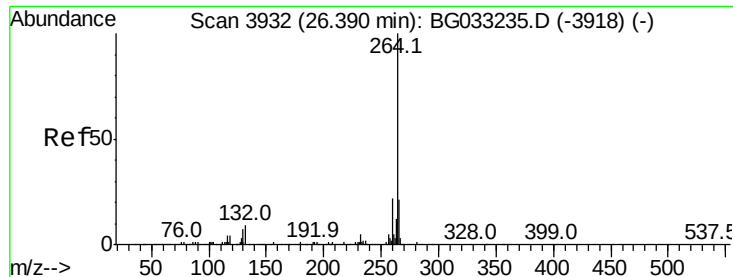


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.32 min Scan# 3920
 Delta R.T. 0.01 min
 Lab File: BG033730.D
 Acq: 11 Apr 2018 3:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.4	26.0
265	19.8	17.7	26.5

