

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032994.D
 Acq On : 5 Mar 2018 17:51
 Operator : SJ/JU
 Sample : J1798-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 01:24:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	57463	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	265255	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	152941	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	341509	20.00	ng	0.00
75) Chrysene-d12	22.60	240	306515	20.00	ng	-0.02
86) Perylene-d12	26.41	264	321223	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	335045	93.28	ng	0.00
7) Phenol-d6	8.01	99	478872	95.65	ng	0.00
23) Nitrobenzene-d5	10.11	82	284939	75.76	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	157182	97.74	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	652284	61.51	ng	0.00
78) Terphenyl-d14	20.77	244	925594	67.85	ng	0.00

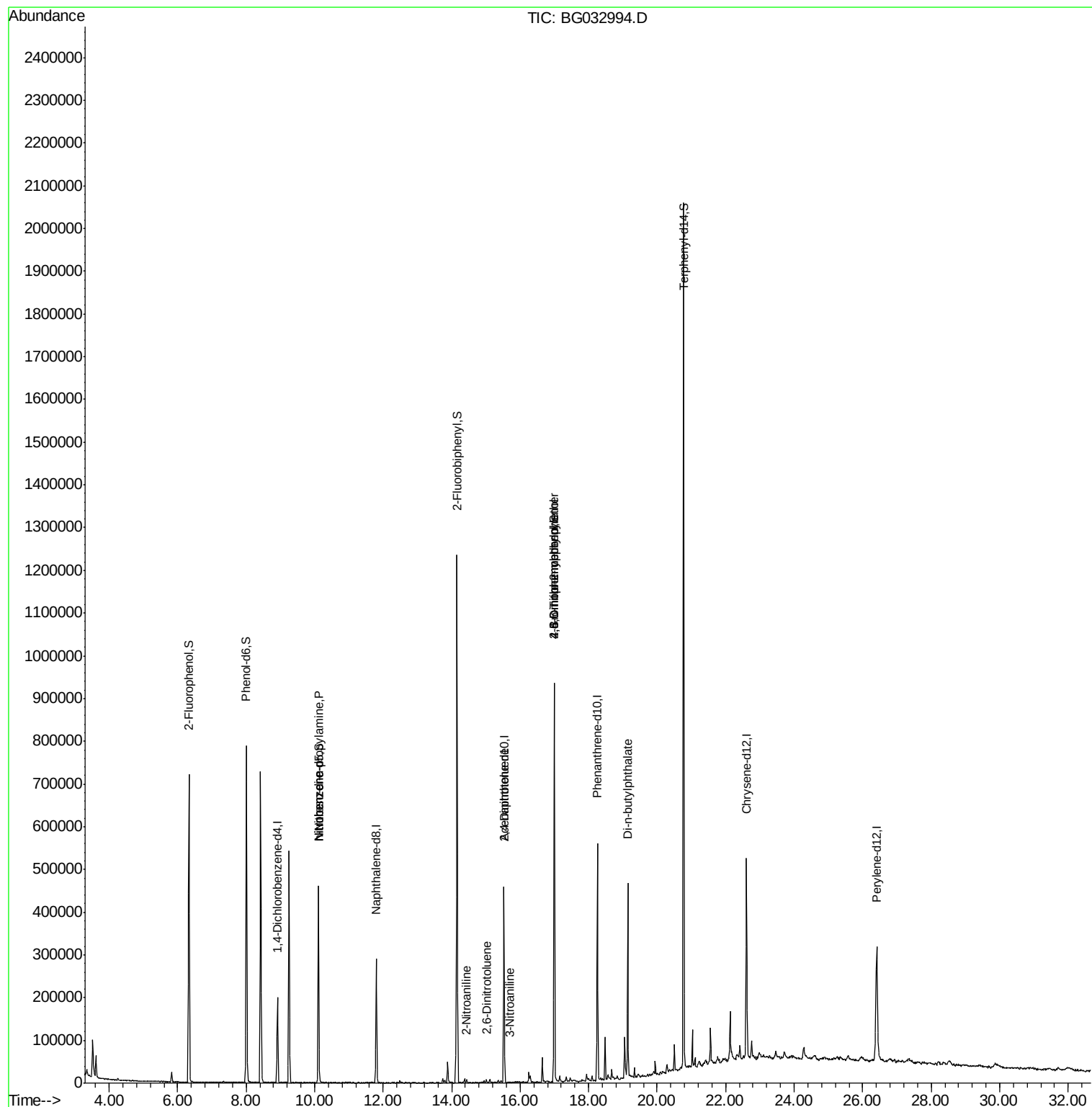
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	37930	10.732	ng	# 82
24) Nitrobenzene	10.11	77	831	6.551	ng	# 42
47) 2-Nitroaniline	14.43	65	66	9.857	ng	# 9
50) 2,6-Dinitrotoluene	15.01	165	1300	9.391	ng	# 18
52) 3-Nitroaniline	15.70	138	72	7.566	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	20299	14.790	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.99	198	488	5.556	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	11170	3.093	ng	# 1
73) Di-n-butylphthalate	19.14	149	327315	14.151	ng	98

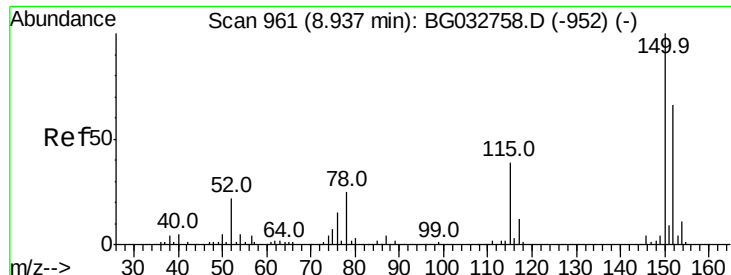
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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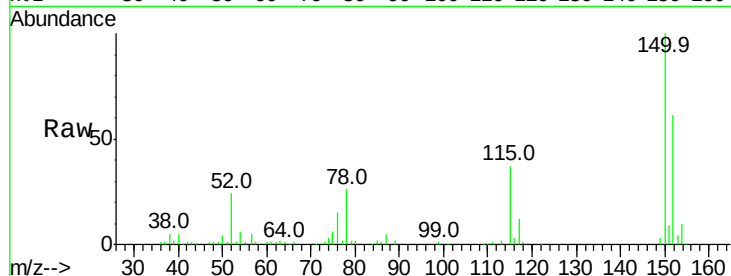


#1

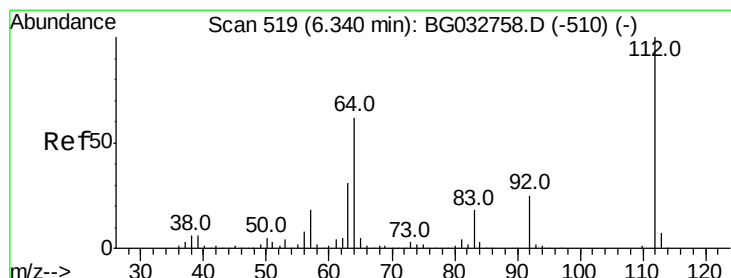
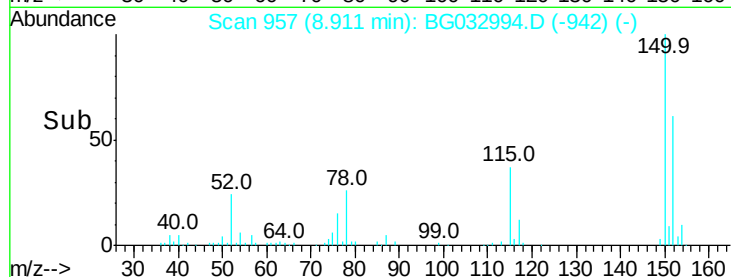
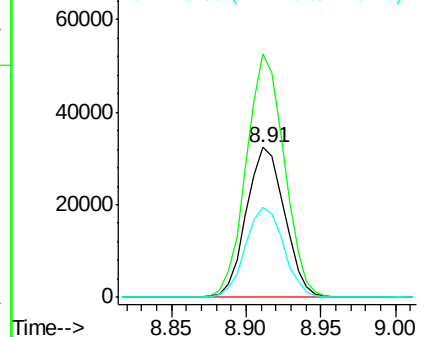
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57463
Ion Ratio Lower Upper
152 100
150 162.8 126.6 189.8
115 60.4 53.0 79.4



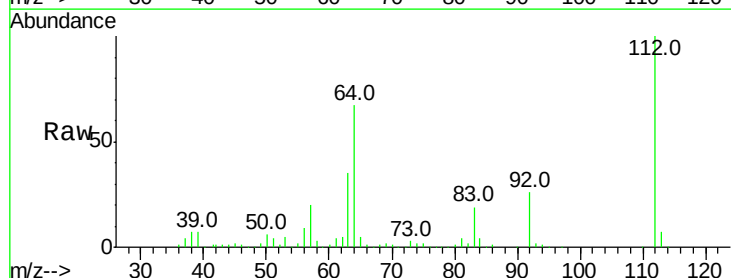
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



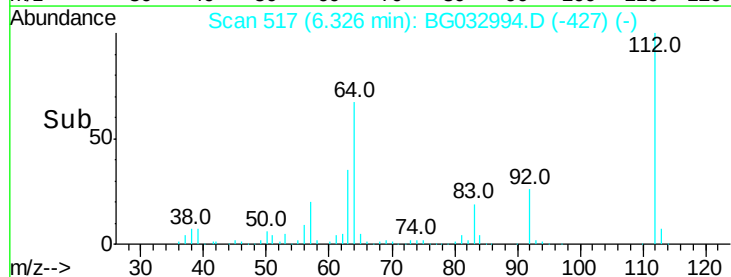
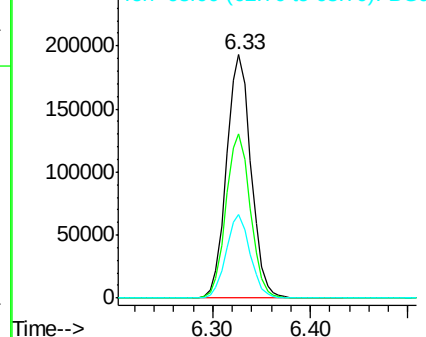
#5

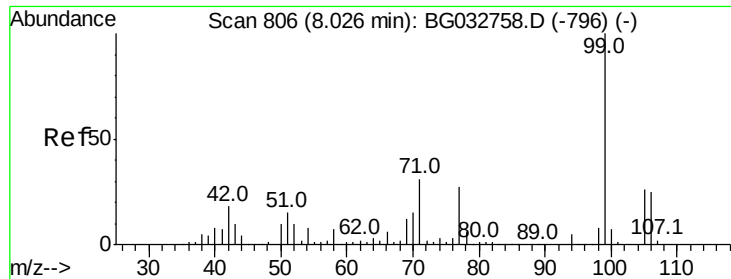
2-Fluorophenol
Concen: 93.281 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

Tgt Ion:112 Resp: 335045
Ion Ratio Lower Upper
112 100
64 67.5 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 95.652 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Instrument :

BNA_G

ClientSampleId :

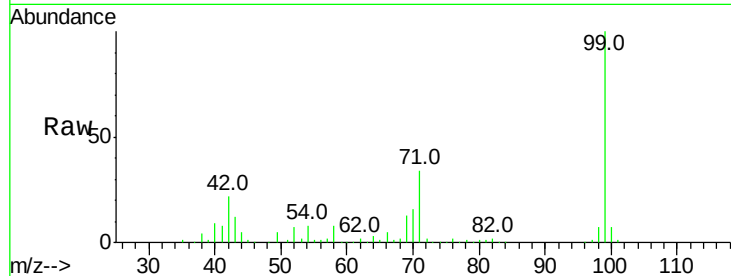
Tot Ion: 99 Resp: 478872

Ion Ratio Lower Upper

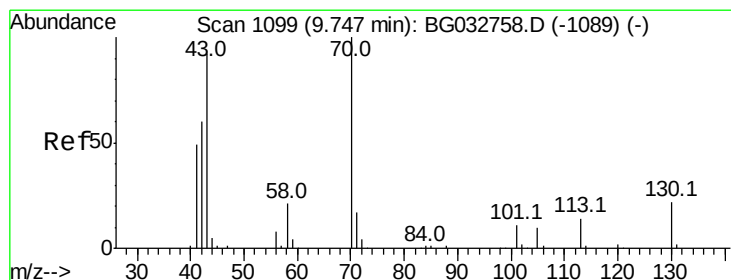
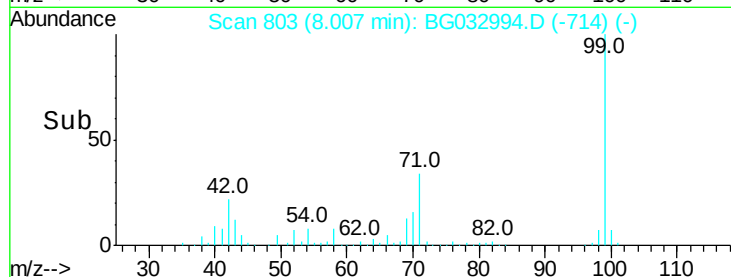
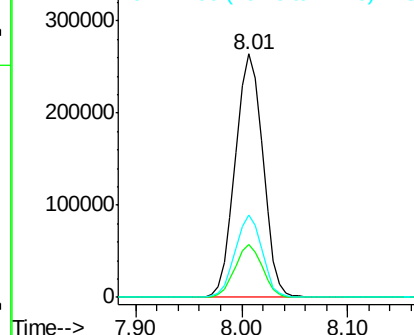
99 100

42 21.8 14.1 21.1#

71 33.6 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: 10.732 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Tgt Ion: 70 Resp: 37930

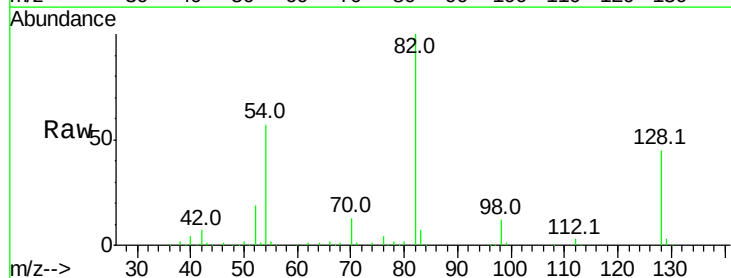
Ion Ratio Lower Upper

70 100

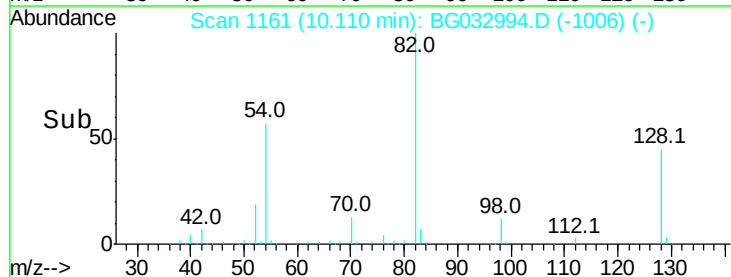
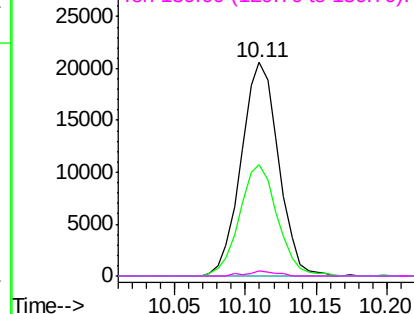
42 52.0 49.1 73.7

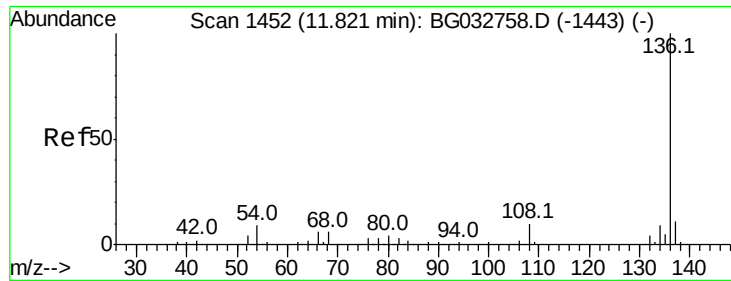
101 0.0 8.5 12.7#

130 2.2 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

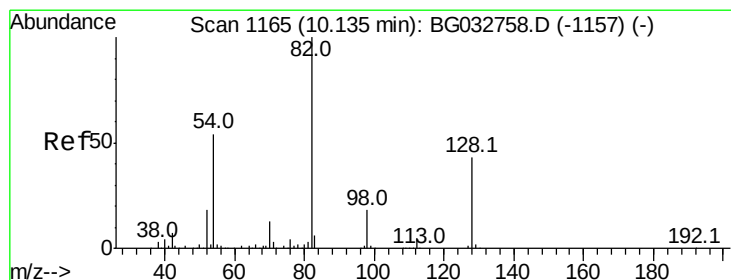
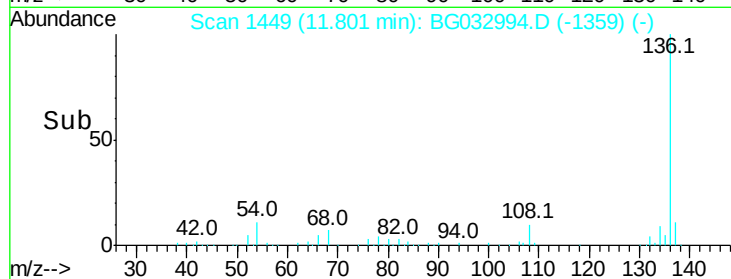
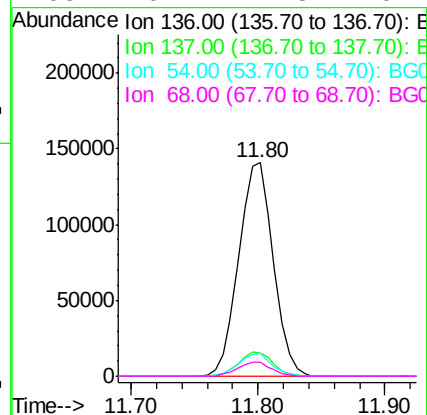
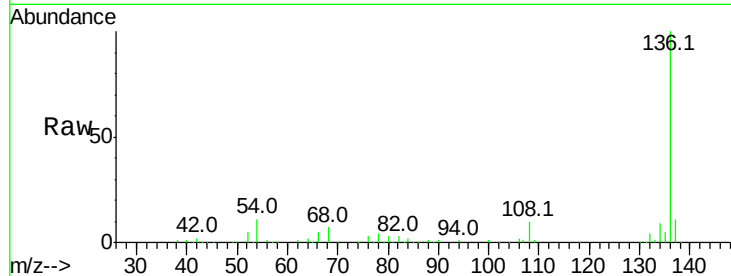




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

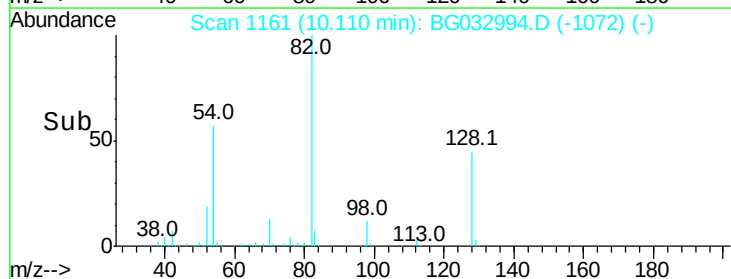
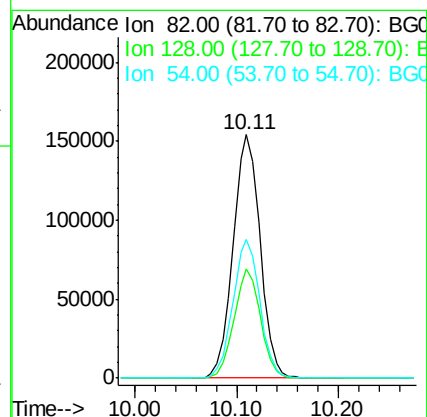
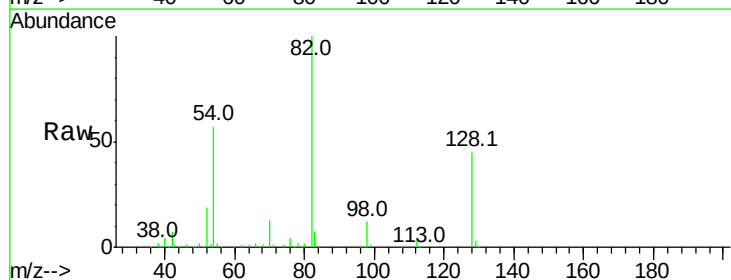
Instrument :
BNA_G
ClientSampleId :

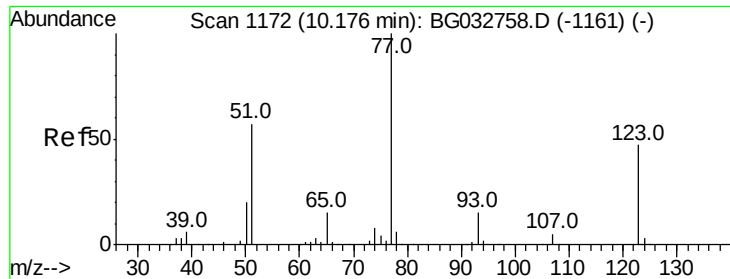
Tot Ion:	136	Resp:	265255
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	10.5	10.3	15.5
68	6.7	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 75.764 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

Tgt Ion:	82	Resp:	284939
Ion	Ratio	Lower	Upper
82	100		
128	44.8	29.7	44.5#
54	56.7	43.1	64.7





#24

Nitrobenzene

Concen: 6.551 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Instrument :

BNA_G

ClientSampled :

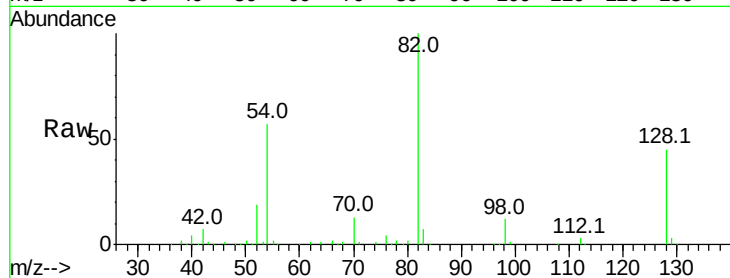
Tot Ion: 77 Resp: 831

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

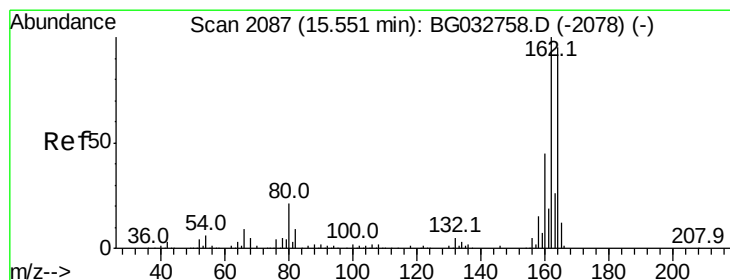
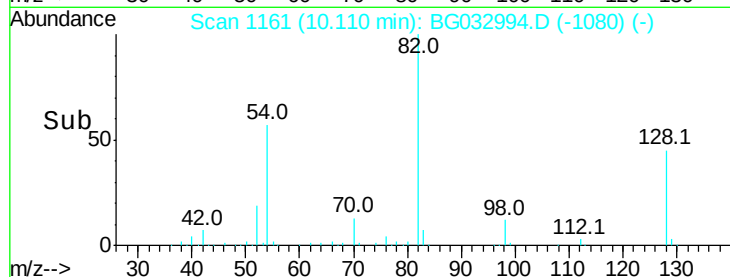
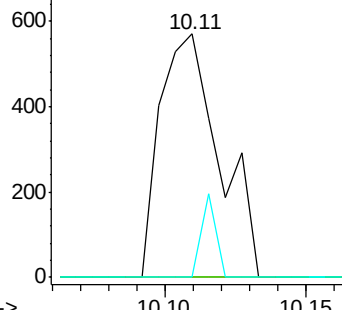
65 0.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

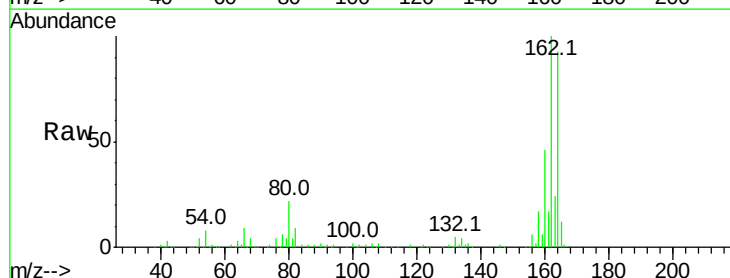
Tgt Ion:164 Resp: 152941

Ion Ratio Lower Upper

164 100

162 107.3 78.8 118.2

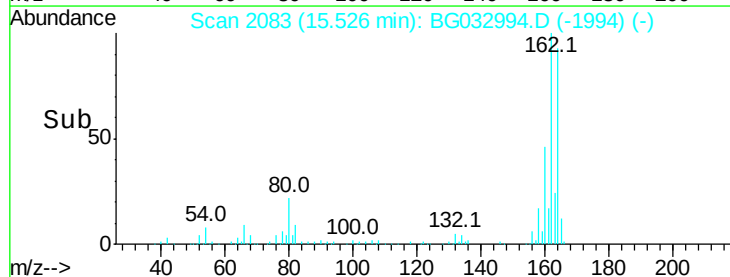
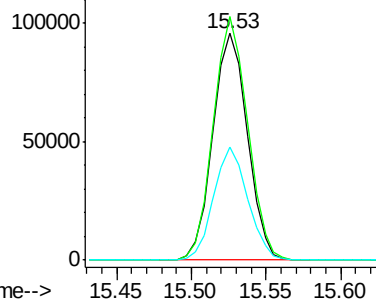
160 49.7 35.4 53.0

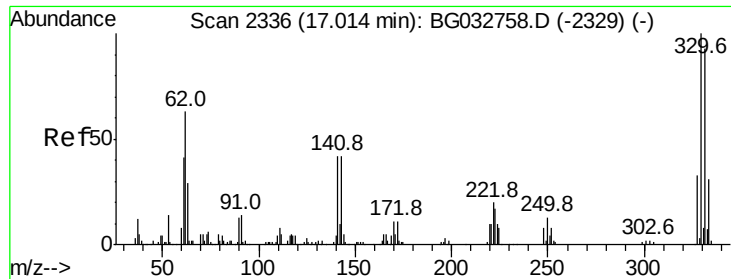


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

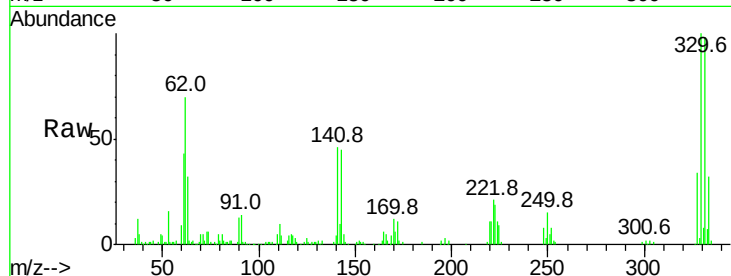




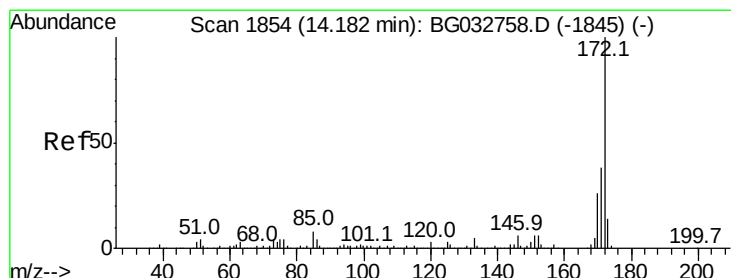
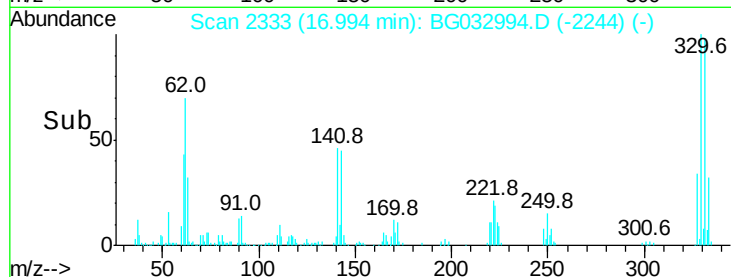
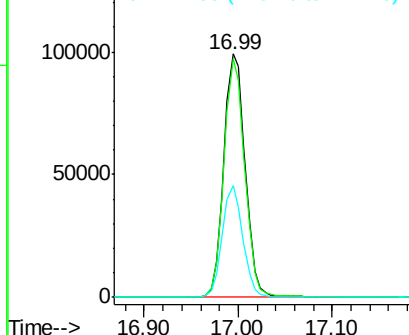
#41
 2,4,6-Tribromophenol
 Concen: 97.743 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG032994.D
 Acq: 5 Mar 2018 17:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 157182
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 44.5 25.2 37.8#

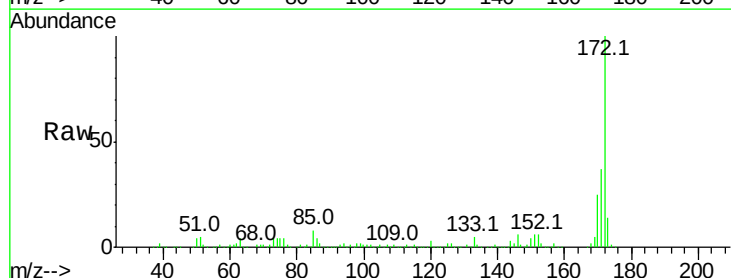


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

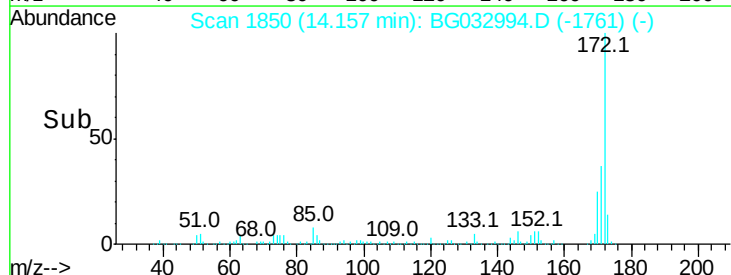
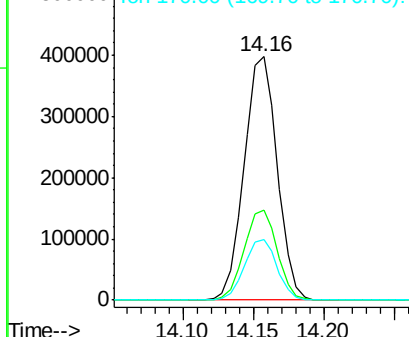


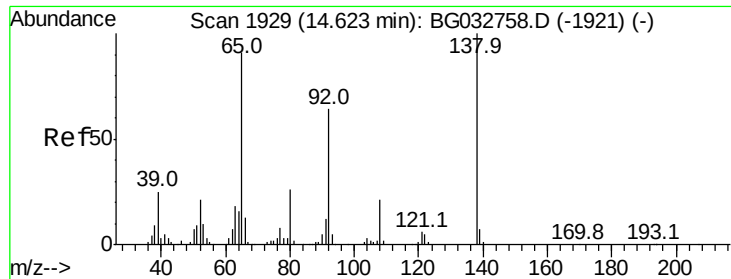
#44
 2-Fluorobiphenyl
 Concen: 61.511 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032994.D
 Acq: 5 Mar 2018 17:51

Tgt Ion:172 Resp: 652284
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 25.0 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: 9.857 ng

RT: 14.43 min Scan# 1897

Delta R.T. -0.18 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Instrument :

BNA_G

ClientSampled :

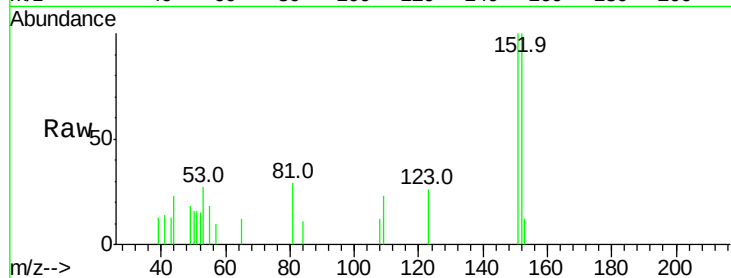
Tot Ion: 65 Resp: 66

Ion Ratio Lower Upper

65 100

92 0.0 54.6 82.0#

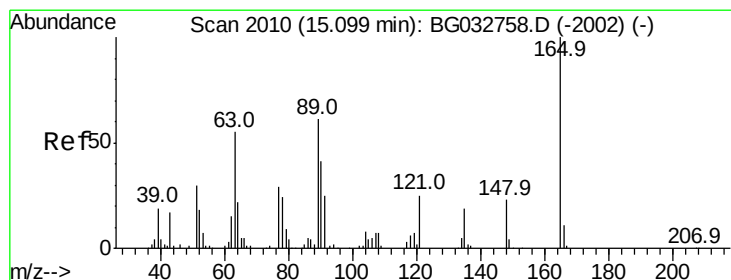
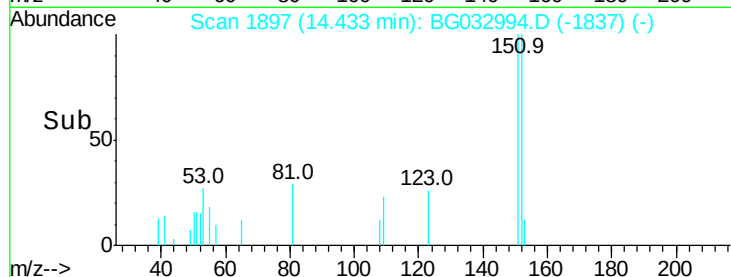
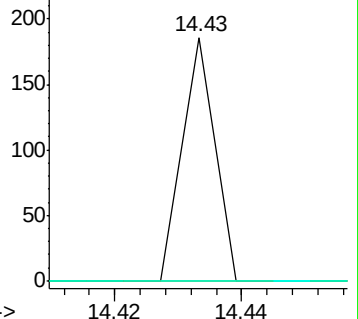
138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#50

2,6-Dinitrotoluene

Concen: 9.391 ng

RT: 15.01 min Scan# 1996

Delta R.T. -0.07 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

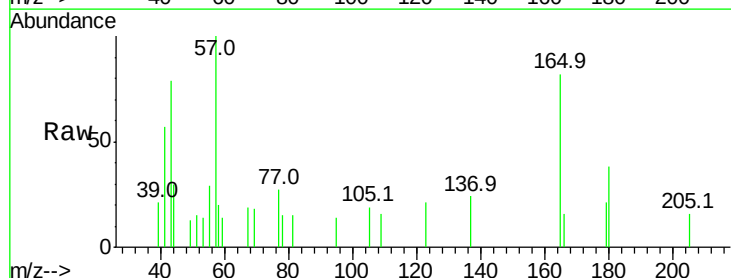
Tgt Ion: 165 Resp: 1300

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

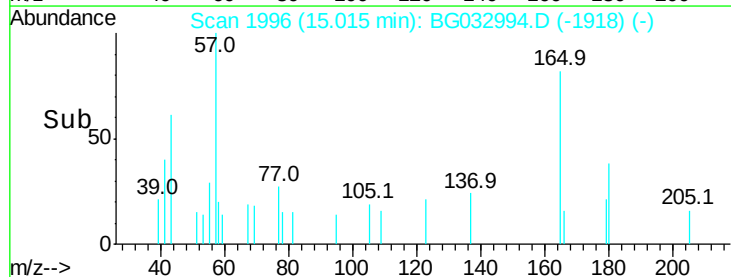
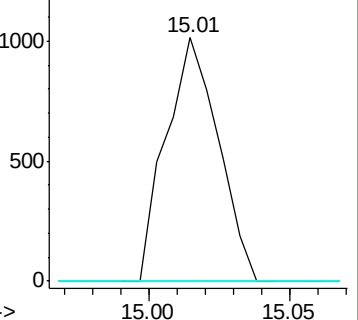
89 0.0 49.2 73.8#

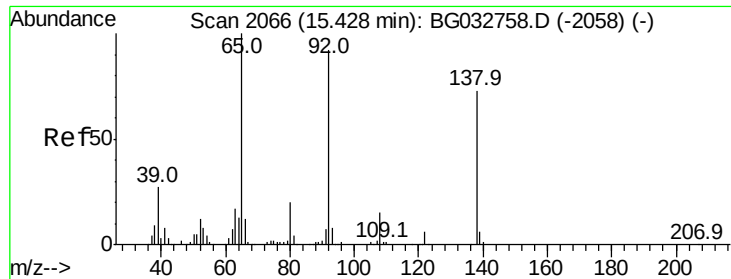


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

3-Nitroaniline

Concen: 7.566 ng

RT: 15.70 min Scan# 2112

Delta R.T. 0.28 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Instrument :

BNA_G

ClientSampleId :

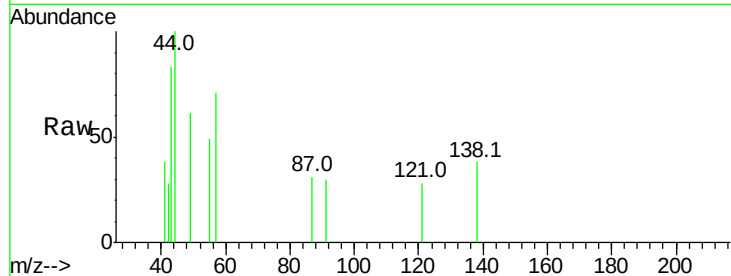
Tot Ion:138 Resp: 72

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

92 0.0 105.8 158.8#

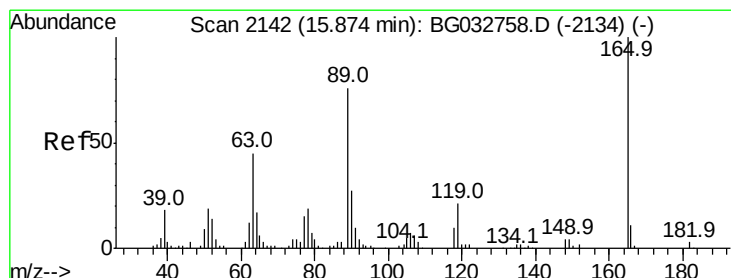
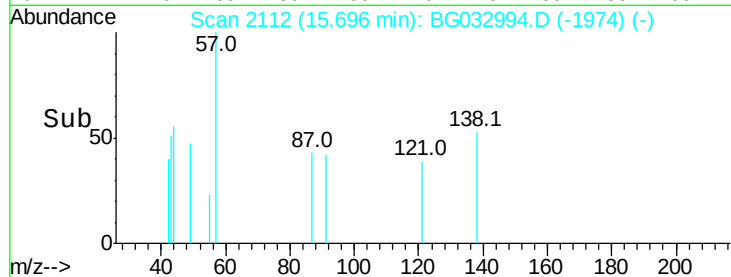
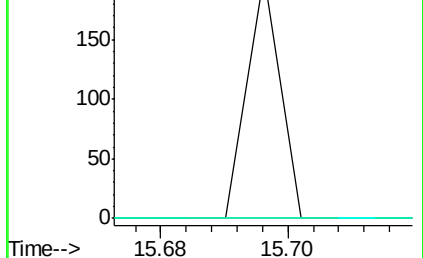


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): E

Time-->



#56

2,4-Dinitrotoluene

Concen: 14.790 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Tgt Ion:165 Resp: 20299

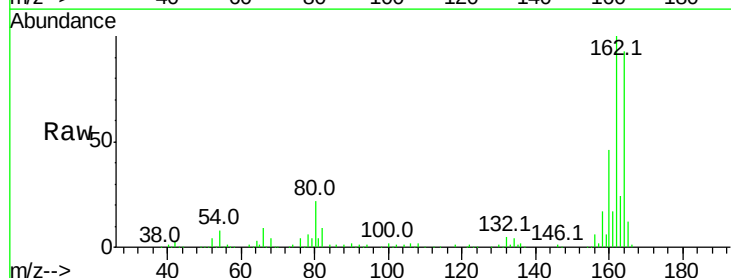
Ion Ratio Lower Upper

165 100

63 1.9 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#



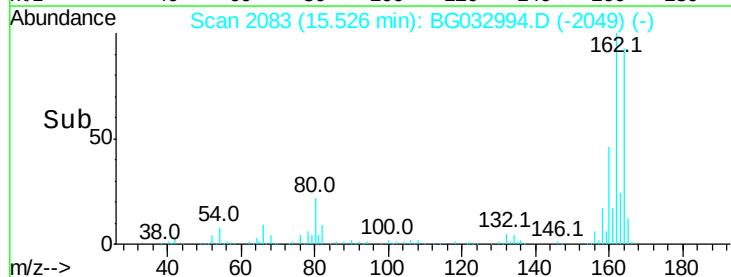
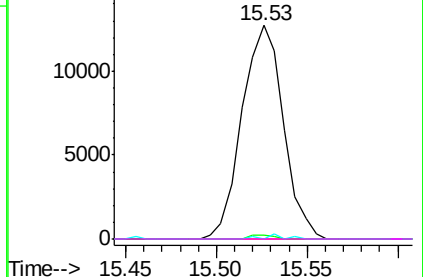
Abundance Ion 165.00 (164.70 to 165.70): E

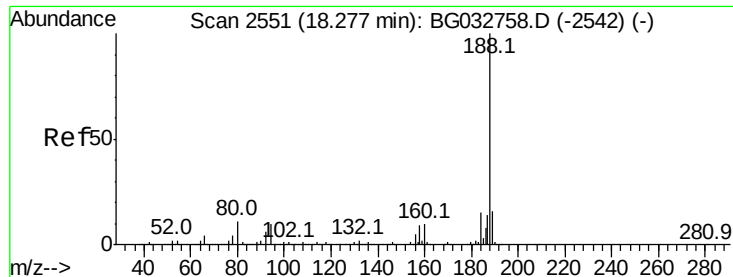
Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

Time-->

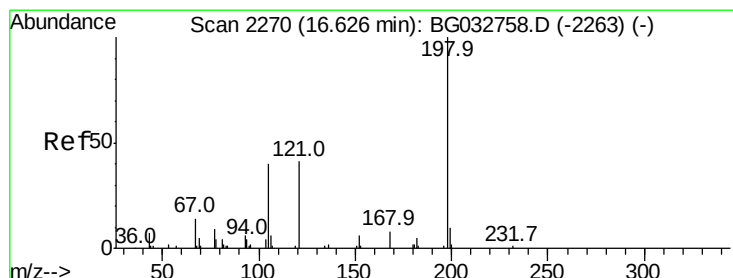
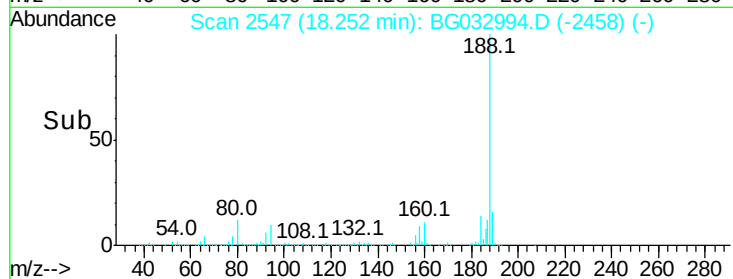
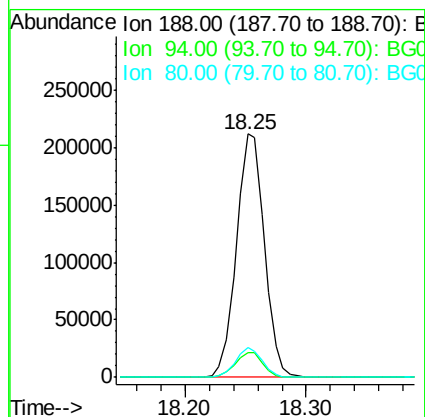
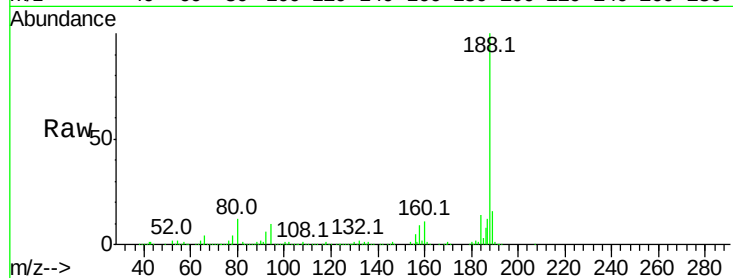




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

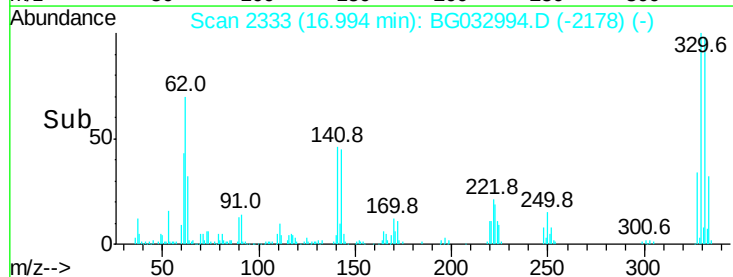
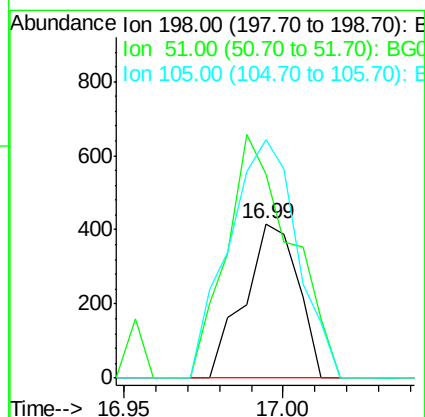
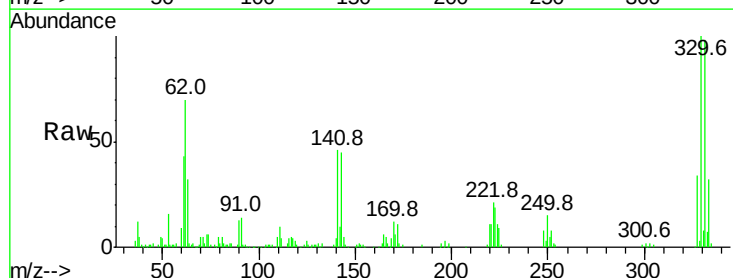
Instrument :
BNA_G
ClientSampleId :

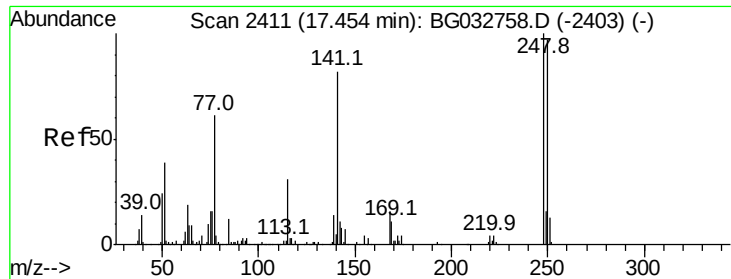
Tot Ion:188 Resp: 341509
Ion Ratio Lower Upper
188 100
94 10.2 6.9 10.3
80 12.1 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.556 ng
RT: 16.99 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

Tgt Ion:198 Resp: 488
Ion Ratio Lower Upper
198 100
51 132.7 30.6 70.6#
105 154.8 23.8 63.8#

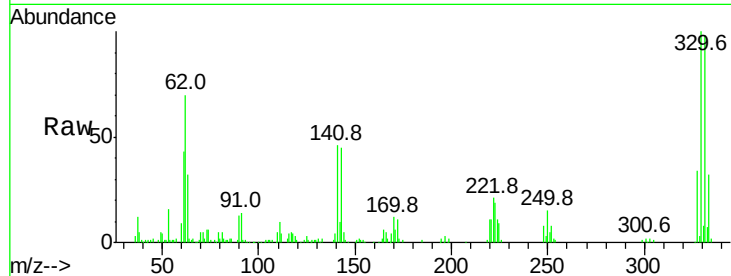




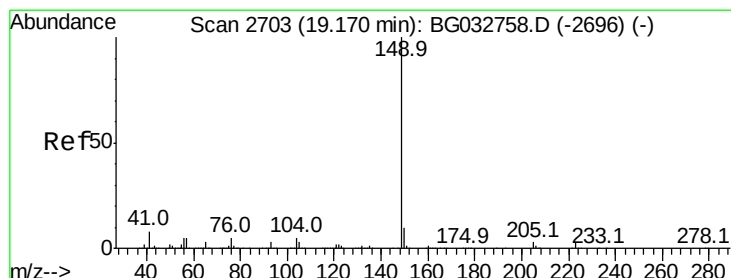
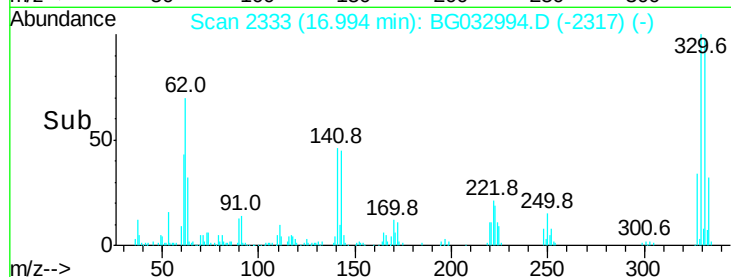
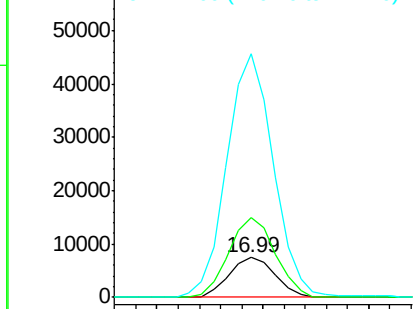
#66
 4-Bromophenyl-phenylether
 Concen: 3.093 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.44 min
 Lab File: BG032994.D
 Acq: 5 Mar 2018 17:51

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 11170
 Ion Ratio Lower Upper
 248 100
 250 199.8 77.1 115.7#
 141 610.1 50.8 76.2#

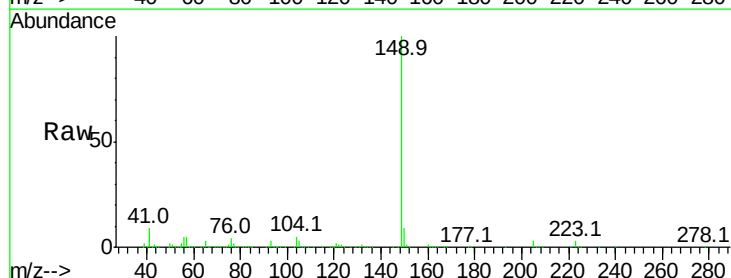


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

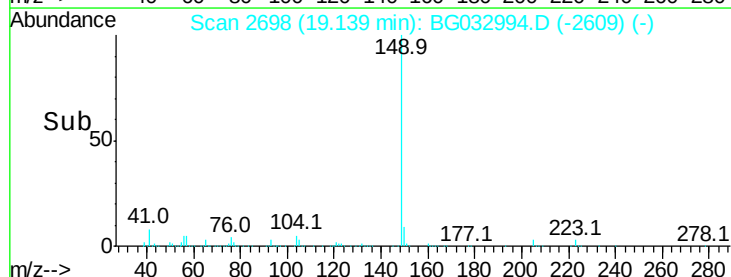
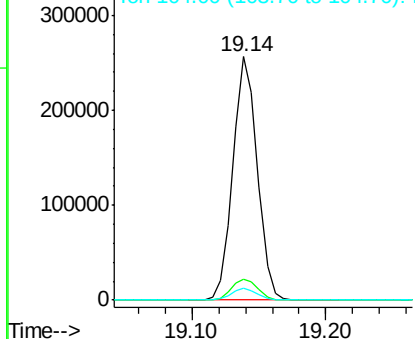


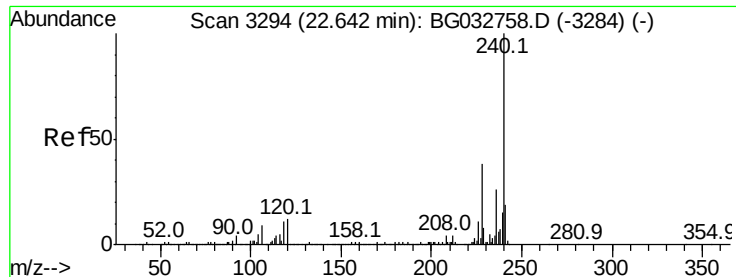
#73
 Di-n-butylphthalate
 Concen: 14.151 ng
 RT: 19.14 min Scan# 2698
 Delta R.T. -0.01 min
 Lab File: BG032994.D
 Acq: 5 Mar 2018 17:51

Tgt Ion:149 Resp: 327315
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.8 11.6
 104 4.8 3.9 5.9



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.60 min Scan# 3288

Delta R.T. -0.02 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

Instrument :

BNA_G

ClientSampleId :

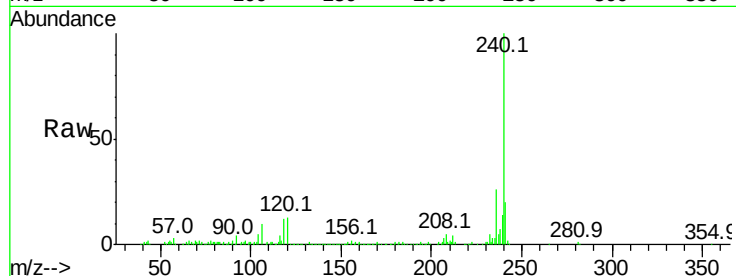
Tot Ion:240 Resp: 306515

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

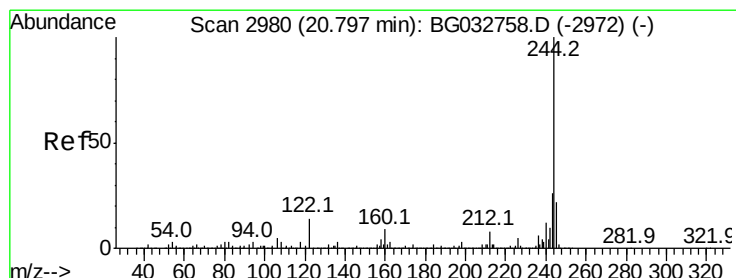
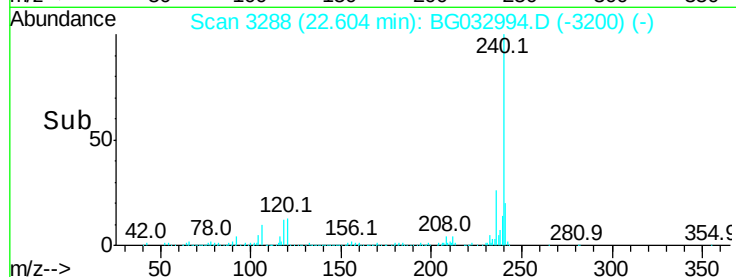
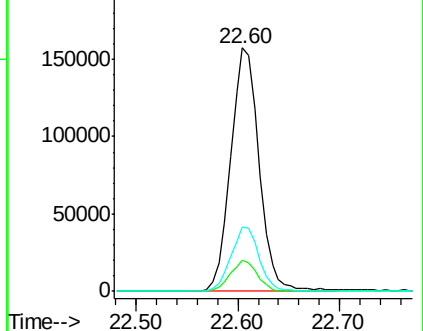
236 26.2 20.9 31.3



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



#78

Terphenyl-d14

Concen: 67.845 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032994.D

Acq: 5 Mar 2018 17:51

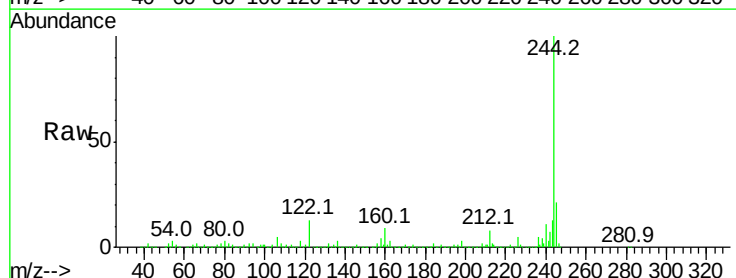
Tgt Ion:244 Resp: 925594

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

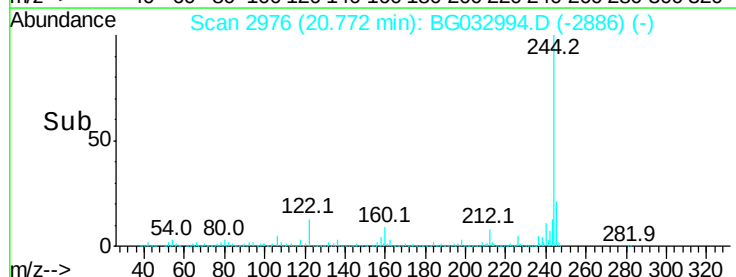
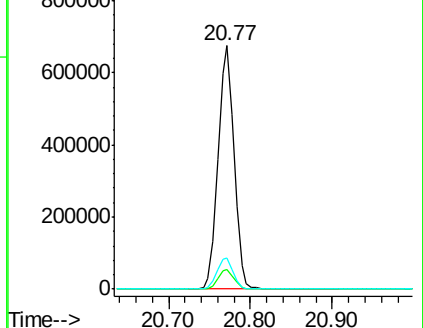
122 13.0 7.0 10.4#

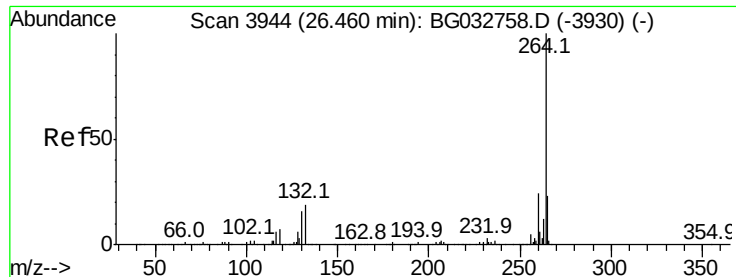


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.41 min Scan# 3936
Delta R.T. -0.02 min
Lab File: BG032994.D
Acq: 5 Mar 2018 17:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	21.3	17.7	26.5

