

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031703.D
 Acq On : 22 Dec 2017 9:54
 Operator : SJ/JU
 Sample : I6995-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 10:42:12 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:38:35 2017
 Response via : Initial Calibration

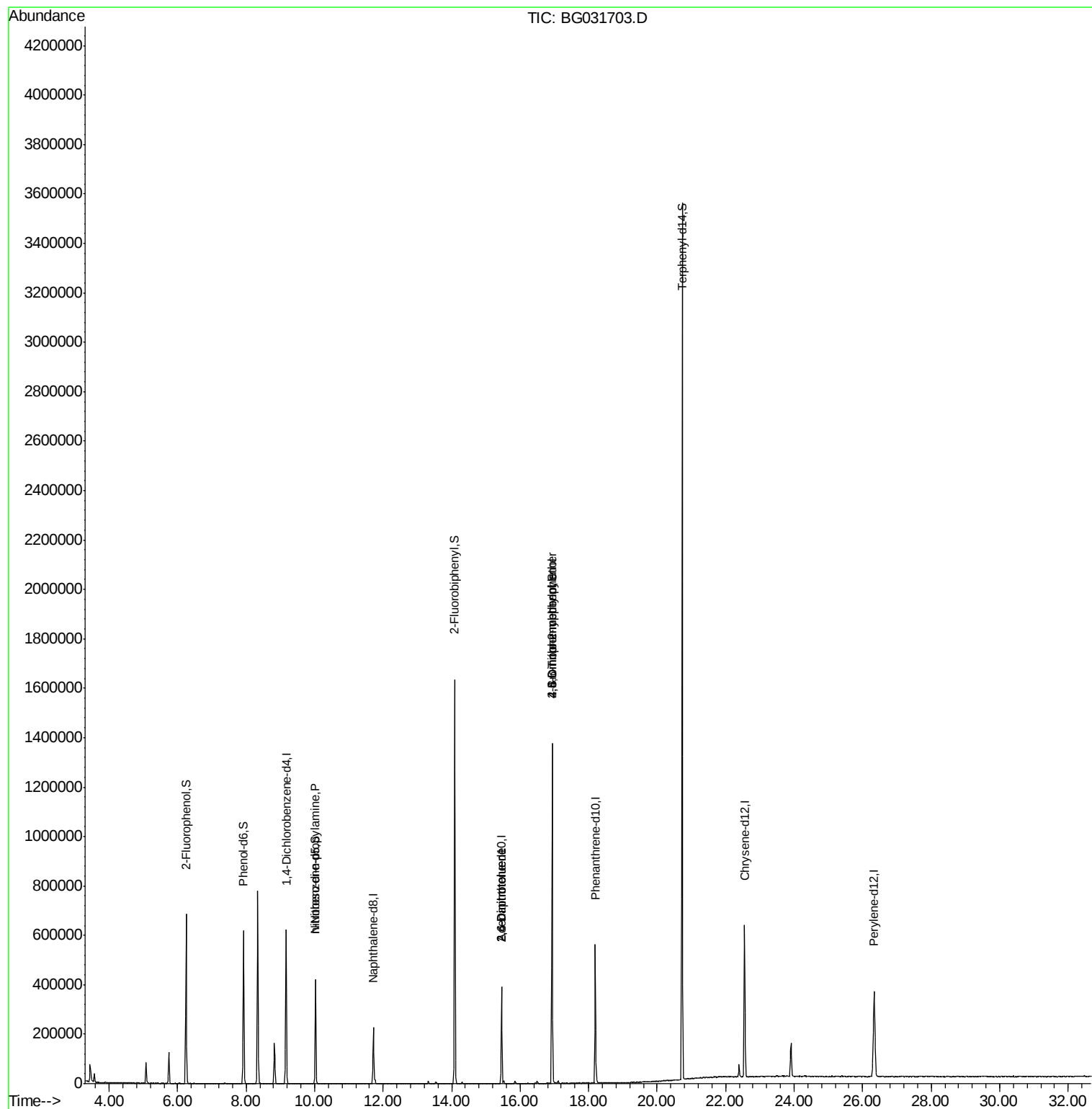
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.17	152	220165	20.00	ng	0.33
21) Naphthalene-d8	11.72	136	231714	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	154456	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	392270	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	475744	20.00	ng	-0.02
86) Perylene-d12	26.33	264	493638	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.25	112	374088	30.95	ng	0.00
7) Phenol-d6	7.93	99	441690	28.14	ng	0.00
23) Nitrobenzene-d5	10.02	82	273726	89.20	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	339291	143.96	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1006922	81.82	ng	0.00
78) Terphenyl-d14	20.73	244	1906384	91.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.02	70	36563	3.411	ng	# 72
50) 2,6-Dinitrotoluene	15.46	165	20351	8.130	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	20351	6.323	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.94	198	805	8.655	ng	85
66) 4-Bromophenyl-phenylether	16.93	248	27271	4.808	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 9.17 min Scan# 1000

Delta R.T. 0.33 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

Instrument :

BNA_G

ClientSampled :

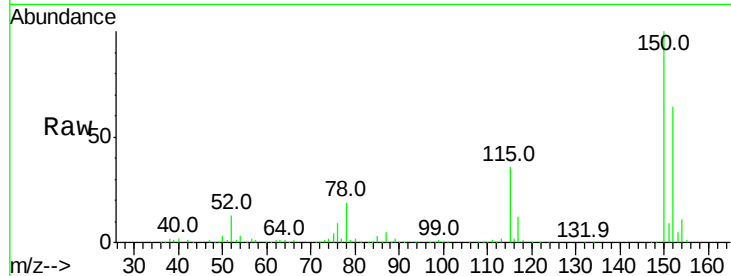
Tot Ion:152 Resp: 220165

Ion Ratio Lower Upper

152 100

150 156.4 126.6 189.8

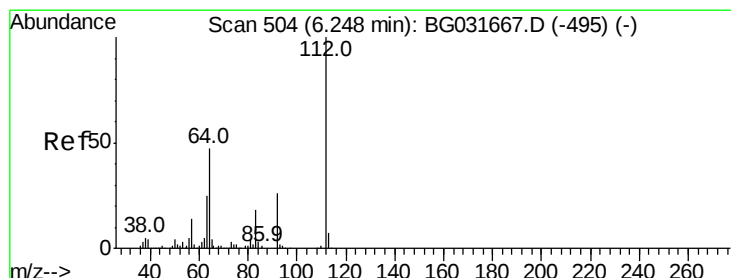
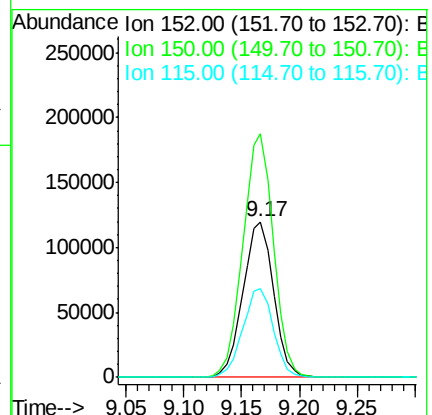
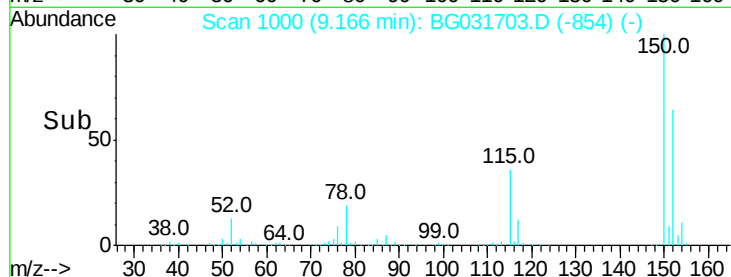
115 56.7 53.0 79.4



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



#5

2-Fluorophenol

Concen: 30.948 ng

RT: 6.25 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

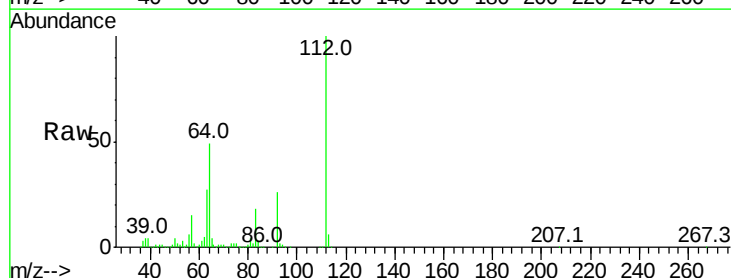
Tgt Ion:112 Resp: 374088

Ion Ratio Lower Upper

112 100

64 48.9 56.3 84.5#

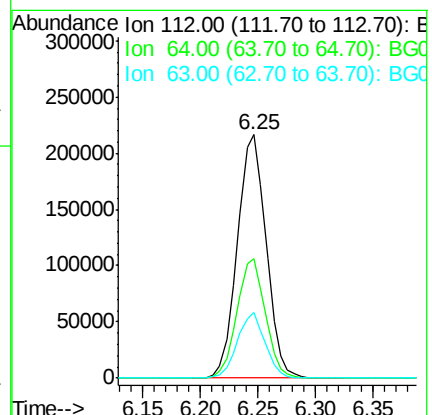
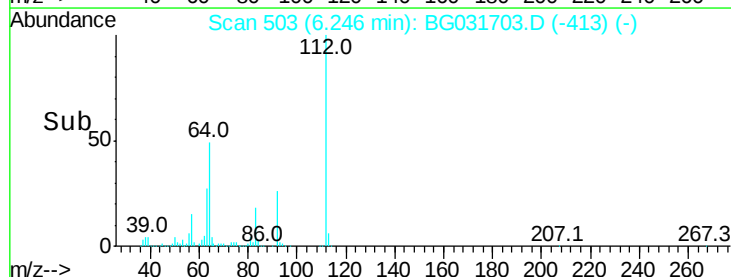
63 26.9 30.1 45.1#



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: 28.144 ng

RT: 7.93 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

Instrument :

BNA_G

ClientSampleId :

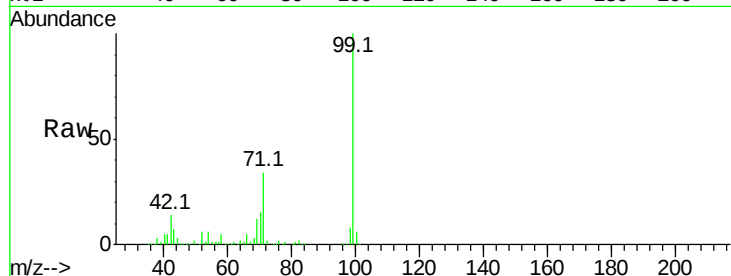
Tot Ion: 99 Resp: 441690

Ion Ratio Lower Upper

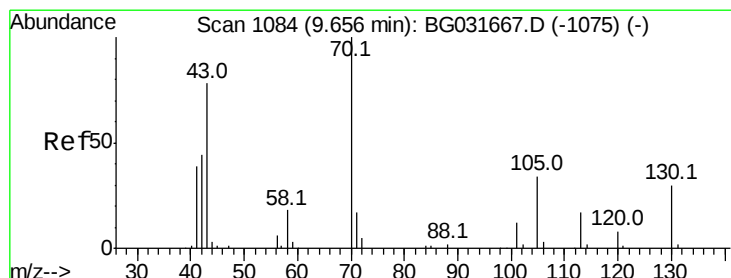
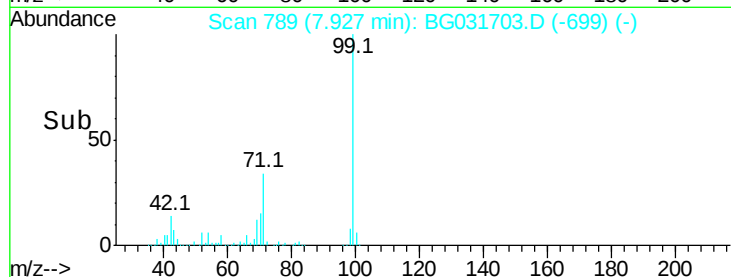
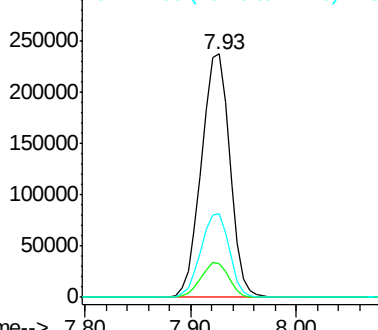
99 100

42 13.9 14.1 21.1#

71 34.5 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: 3.411 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

Tgt Ion: 70 Resp: 36563

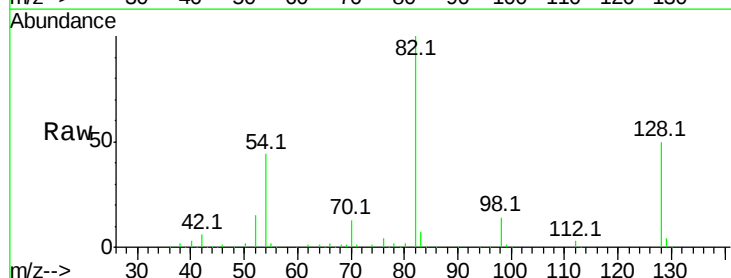
Ion Ratio Lower Upper

70 100

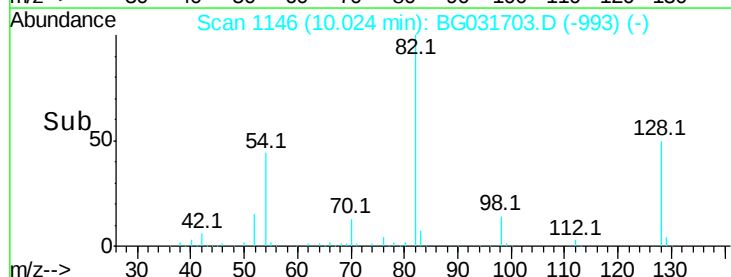
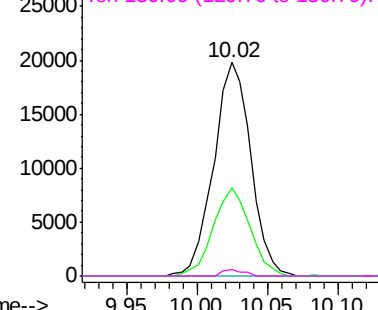
42 41.2 49.1 73.7#

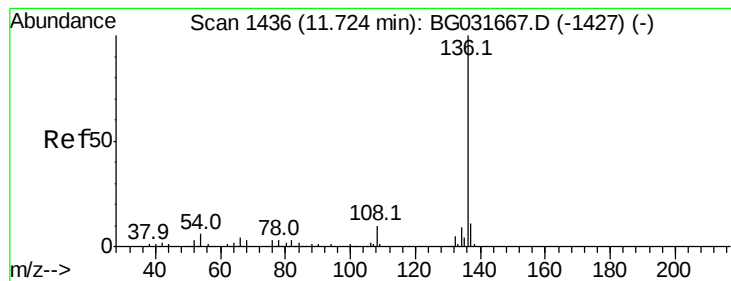
101 0.0 8.5 12.7#

130 2.8 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: 11.72 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031703.D

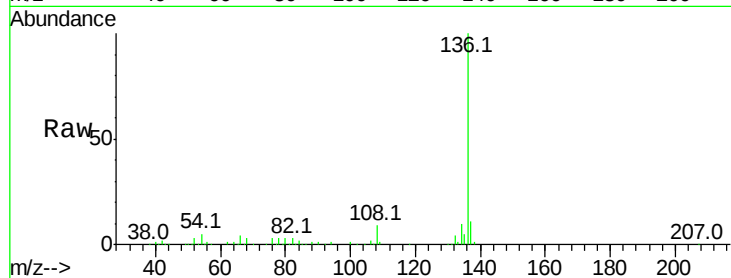
Acq: 22 Dec 2017 9:54

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	231714
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.2 13.8
54	5.1	10.3 15.5#
68	3.4	4.5 6.7#

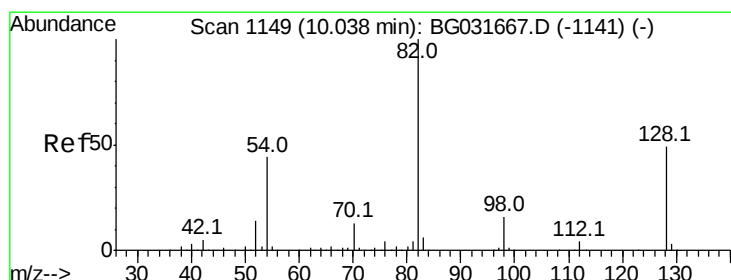
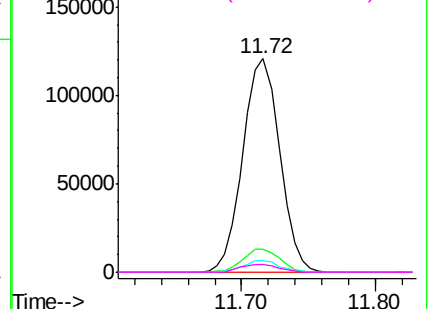
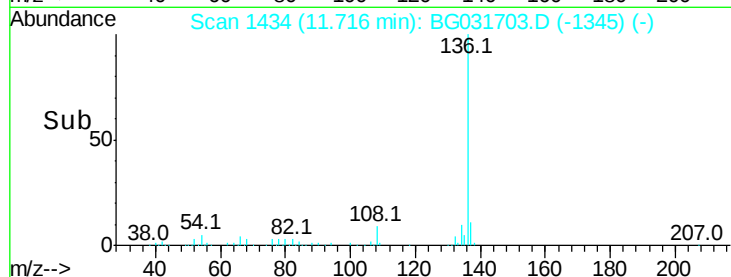


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 89.203 ng

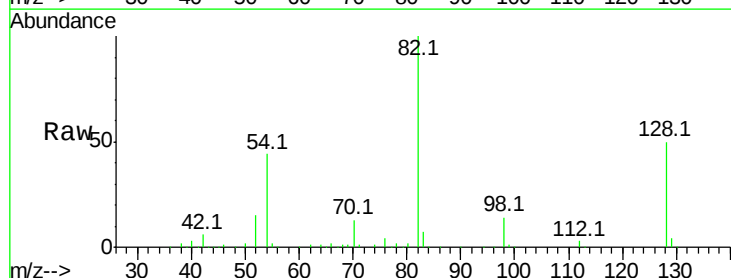
RT: 10.02 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

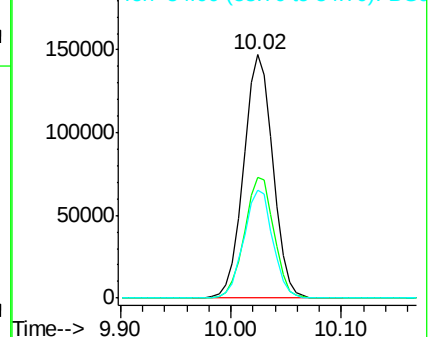
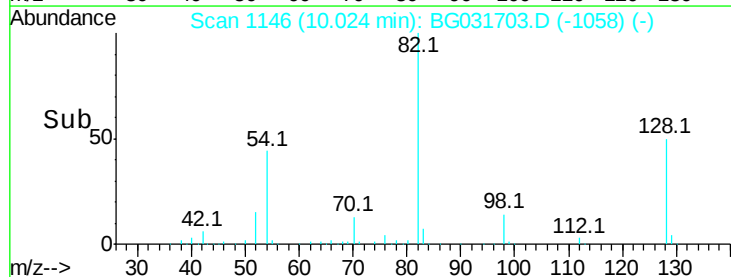
Tgt Ion: 82	Resp:	273726
Ion	Ratio	Lower Upper
82	100	
128	49.6	29.7 44.5#
54	44.2	43.1 64.7

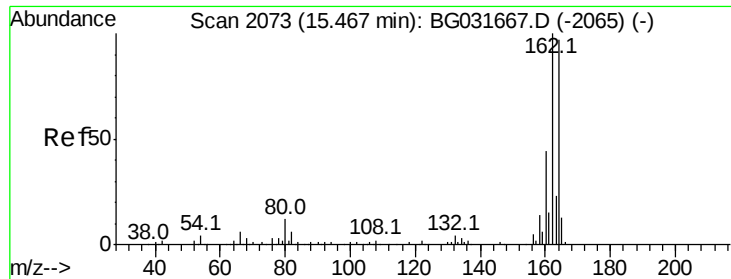


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

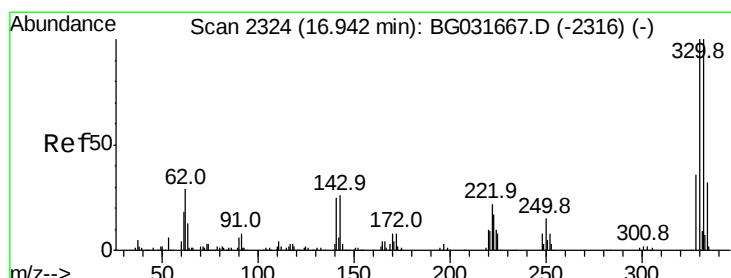
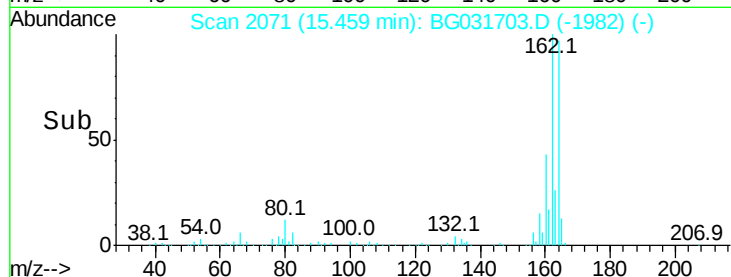
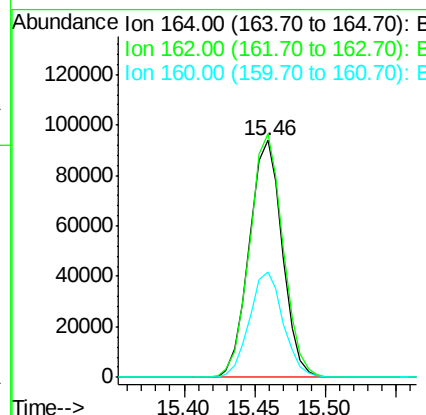
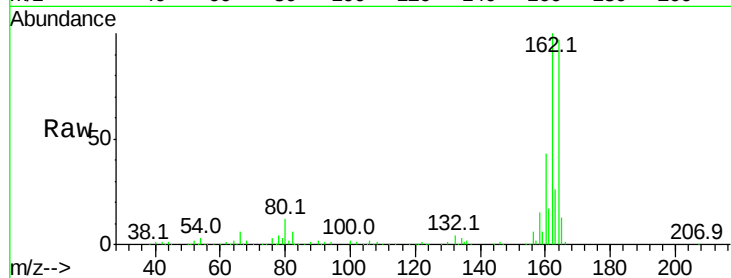




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031703.D
 Acq: 22 Dec 2017 9:54

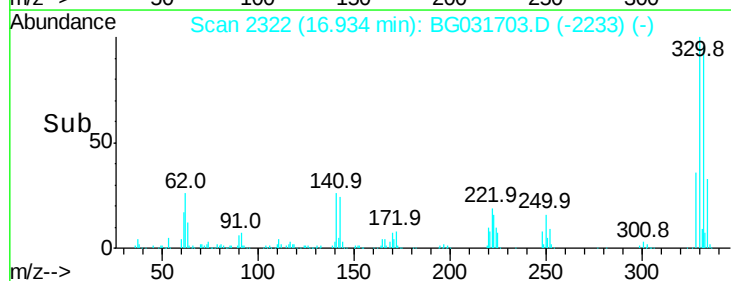
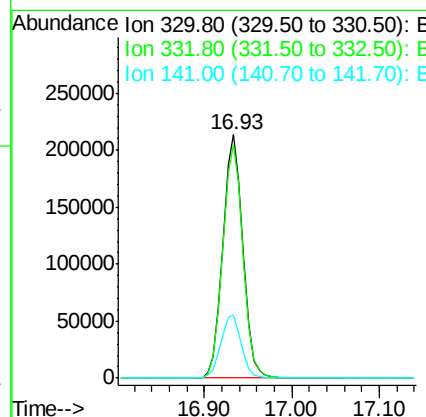
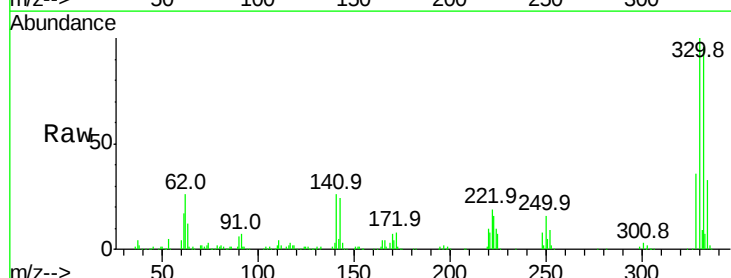
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 154456
 Ion Ratio Lower Upper
 164 100
 162 102.8 78.8 118.2
 160 44.6 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 143.964 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031703.D
 Acq: 22 Dec 2017 9:54

Tgt Ion:330 Resp: 339291
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 26.4 25.2 37.8

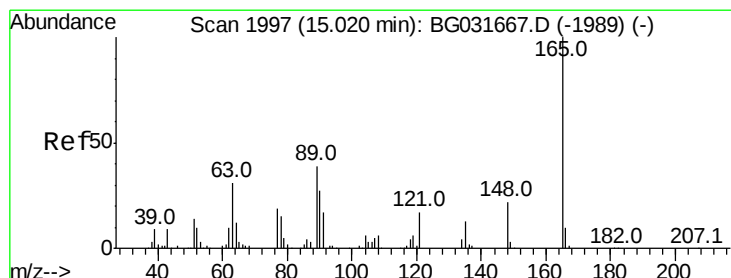
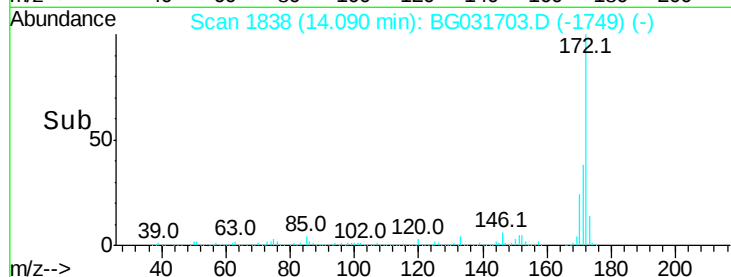
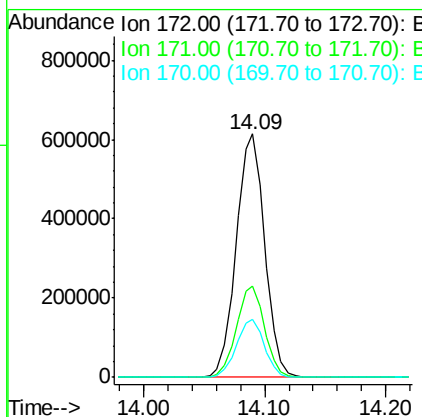
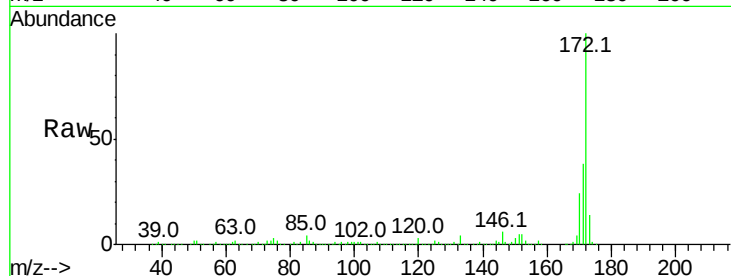




#44
2-Fluorobiphenyl
Concen: 81.824 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031703.D
Acq: 22 Dec 2017 9:54

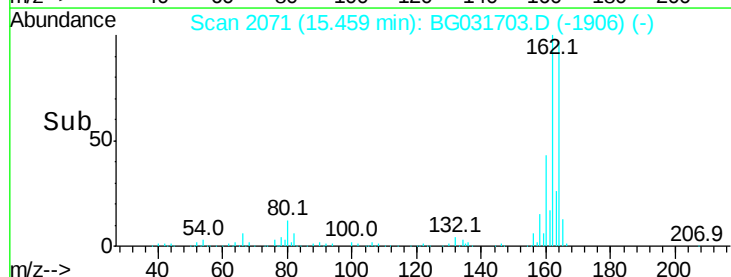
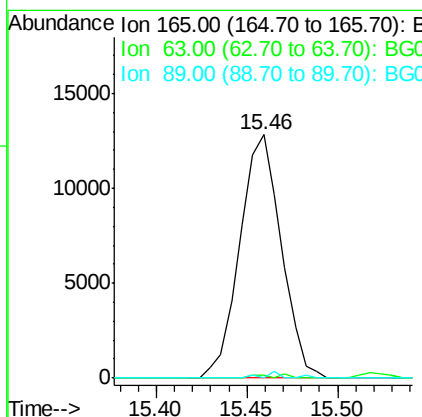
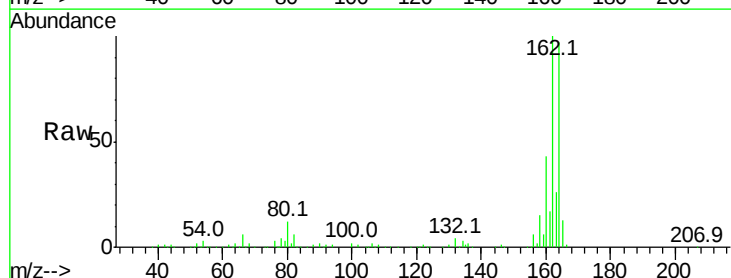
Instrument :
BNA_G
ClientSampleId :

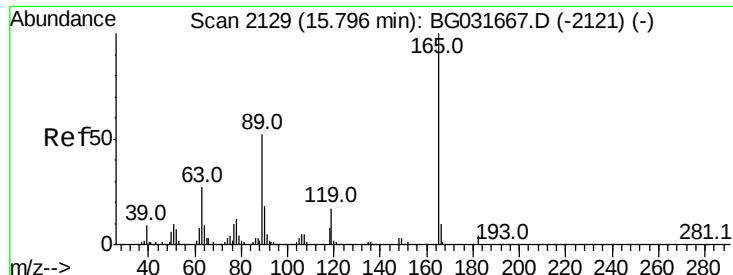
Tot Ion:172 Resp: 1006922
Ion Ratio Lower Upper
172 100
171 37.8 30.0 45.0
170 23.7 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.130 ng
RT: 15.46 min Scan# 2071
Delta R.T. 0.44 min
Lab File: BG031703.D
Acq: 22 Dec 2017 9:54

Tgt Ion:165 Resp: 20351
Ion Ratio Lower Upper
165 100
63 1.4 52.7 79.1#
89 0.0 49.2 73.8#

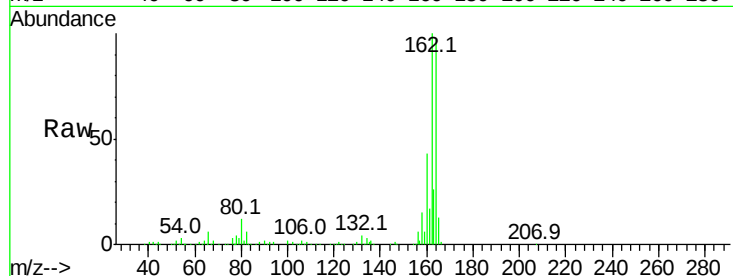




#56
2,4-Dinitrotoluene
Concen: 6.323 ng
RT: 15.46 min Scan# 2071
Delta R.T. -0.34 min
Lab File: BG031703.D
Acq: 22 Dec 2017 9:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

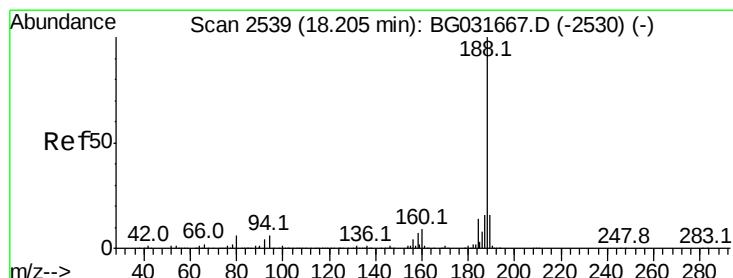
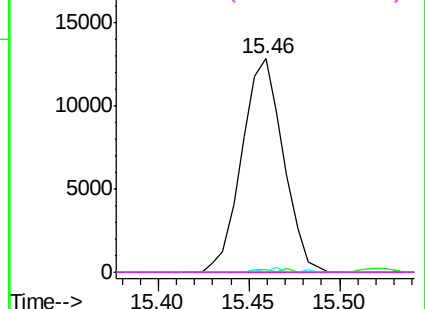
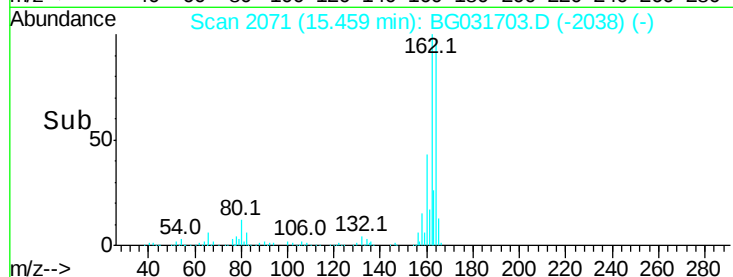


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

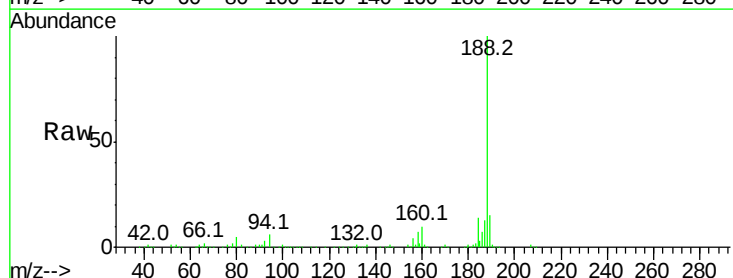
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.19 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BG031703.D
Acq: 22 Dec 2017 9:54

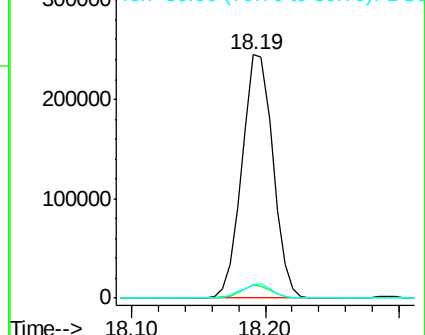
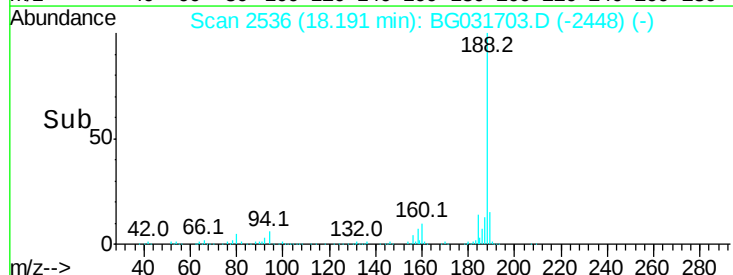
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.5	6.9	10.3#
80	5.4	7.7	11.5#

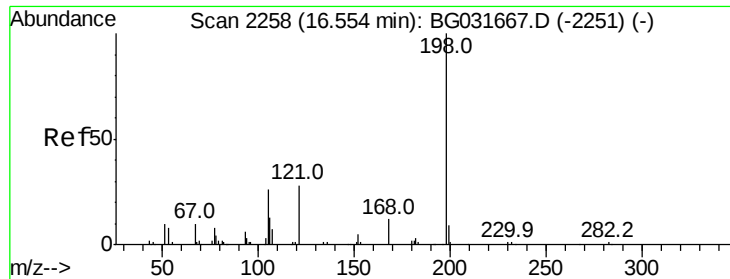


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

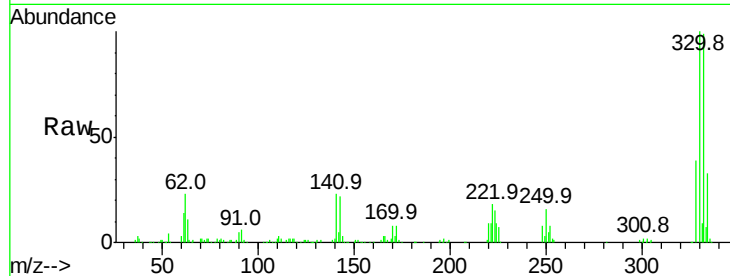




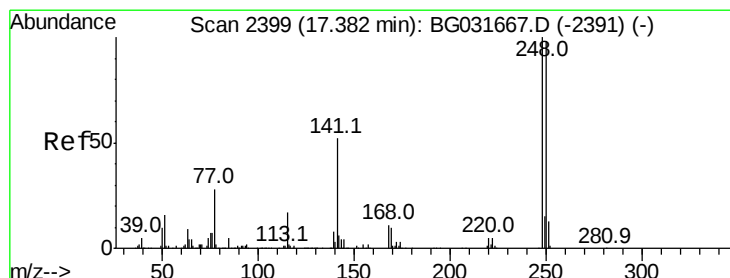
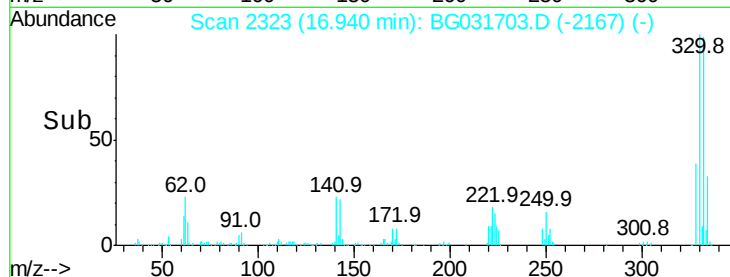
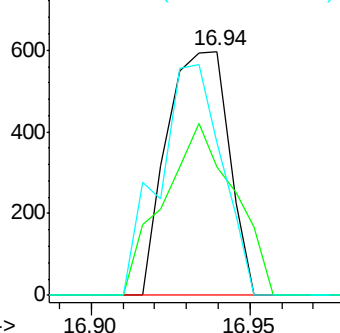
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.655 ng
 RT: 16.94 min Scan# 2323
 Delta R.T. 0.39 min
 Lab File: BG031703.D
 Acq: 22 Dec 2017 9:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 805
 Ion Ratio Lower Upper
 198 100
 51 52.7 30.6 70.6
 105 62.9 23.8 63.8

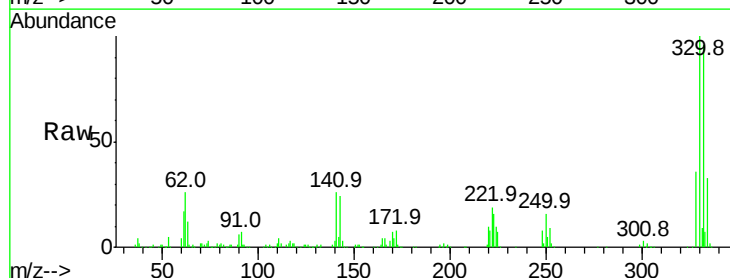


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

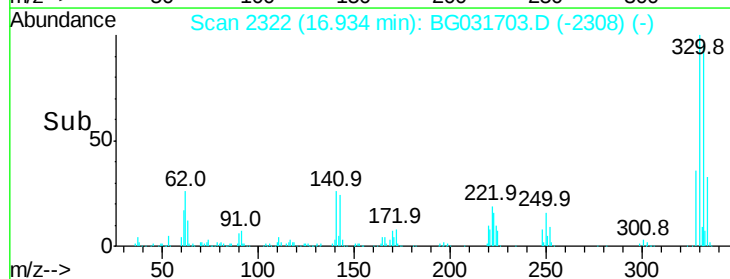
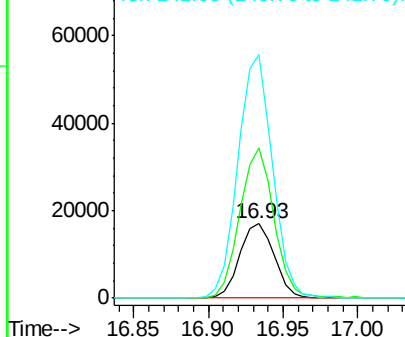


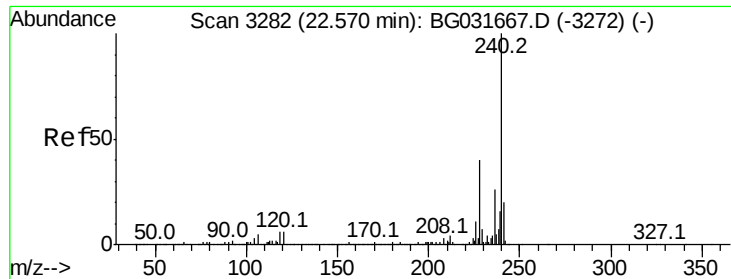
#66
 4-Bromophenyl-phenylether
 Concen: 4.808 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.45 min
 Lab File: BG031703.D
 Acq: 22 Dec 2017 9:54

Tgt Ion:248 Resp: 27271
 Ion Ratio Lower Upper
 248 100
 250 201.9 77.1 115.7#
 141 327.2 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: 22.55 min Scan# 3278

Delta R.T. -0.02 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

Instrument :

BNA_G

ClientSampleId :

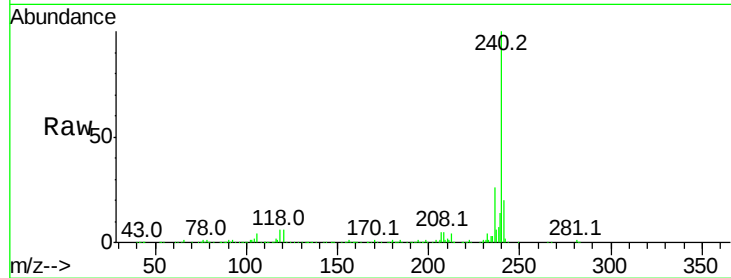
Tot Ion:240 Resp: 475744

Ion Ratio Lower Upper

240 100

120 5.6 6.8 10.2#

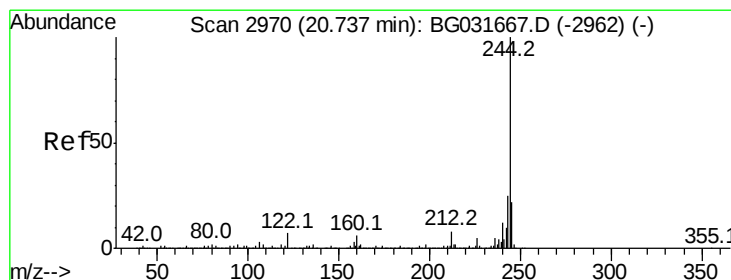
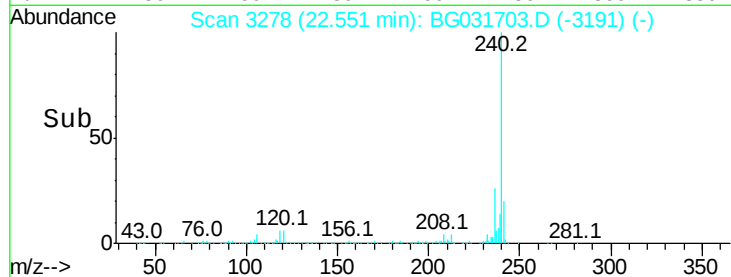
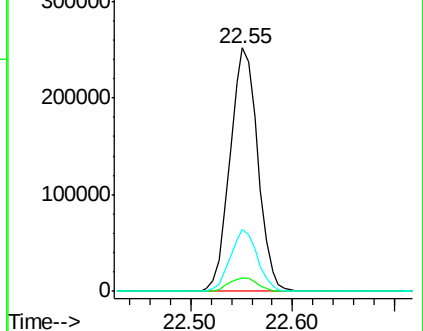
236 25.5 20.9 31.3



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: 91.550 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031703.D

Acq: 22 Dec 2017 9:54

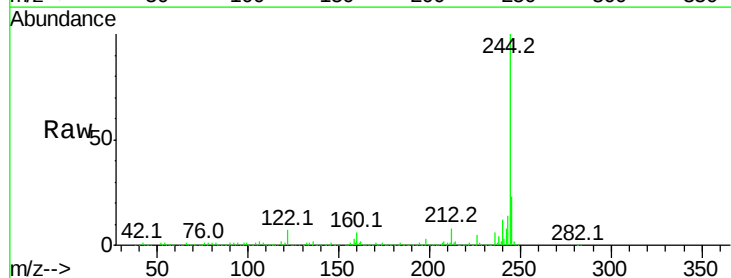
Tgt Ion:244 Resp: 1906384

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

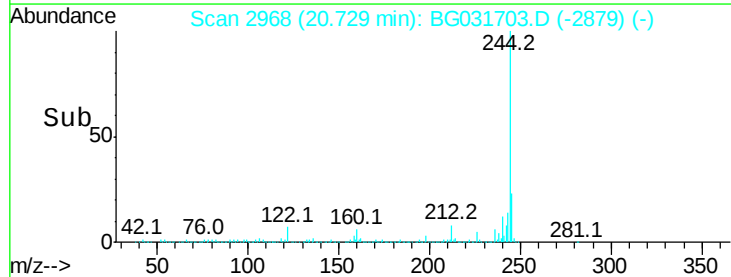
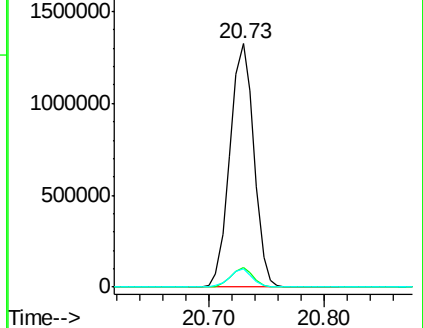
122 7.3 7.0 10.4

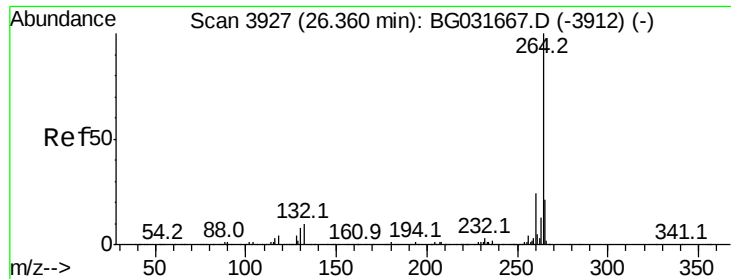


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

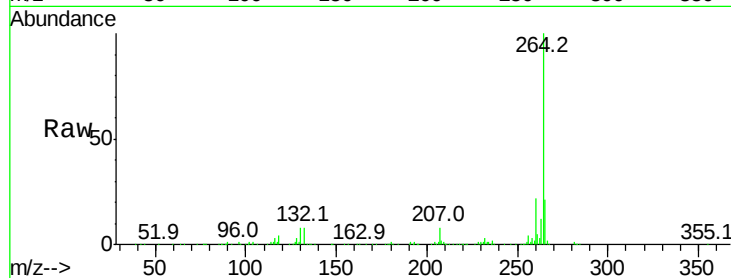




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.33 min Scan# 3922
Delta R.T. -0.03 min
Lab File: BG031703.D
Acq: 22 Dec 2017 9:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	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

