

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011718\
 Data File : BG032121.D
 Acq On : 18 Jan 2018 3:58
 Operator : SJ/JU
 Sample : J1156-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 18 05:24:07 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

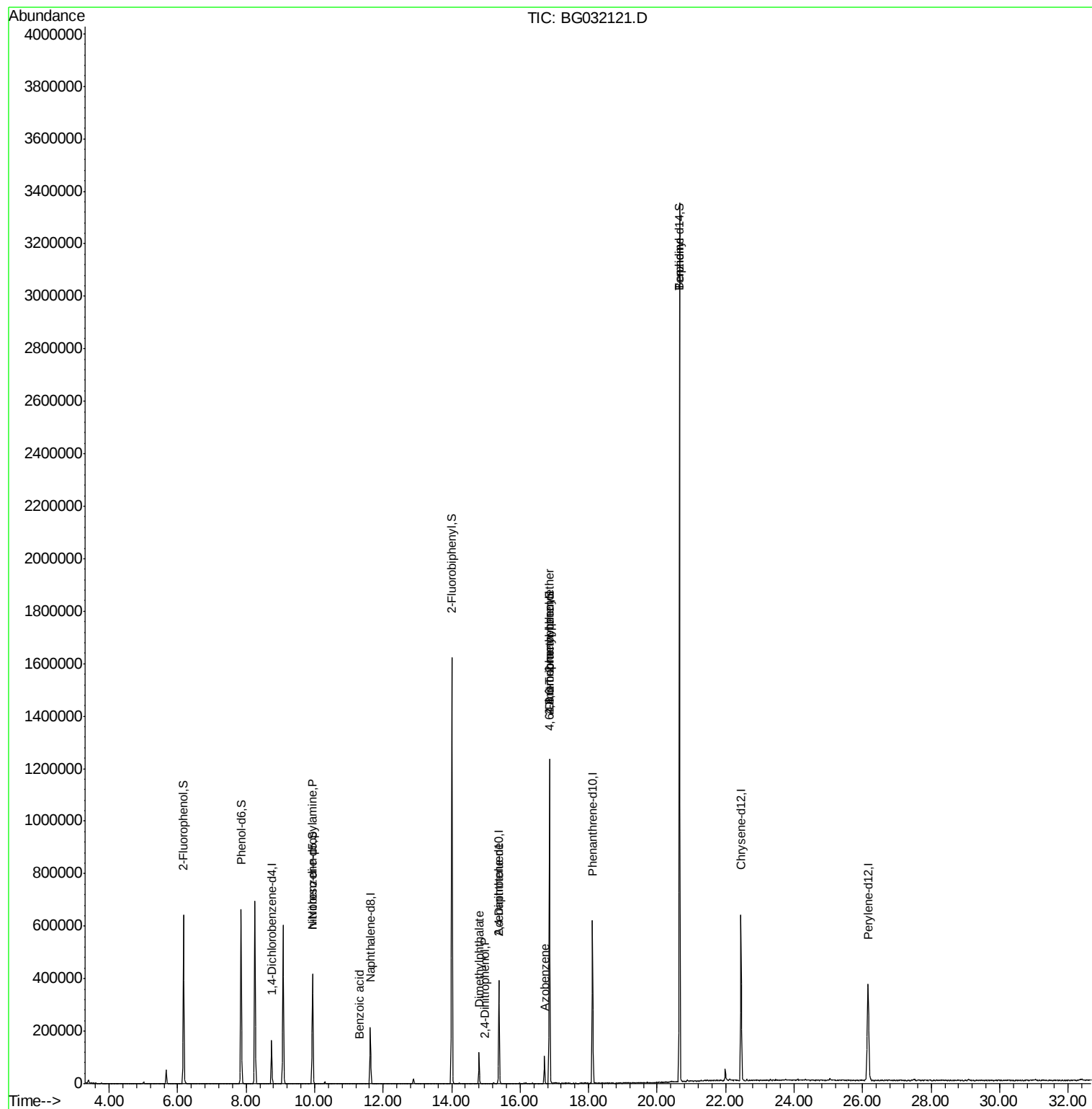
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	53520	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	217438	20.00	ng	-0.04
38) Acenaphthene-d10	15.38	164	156402	20.00	ng	-0.03
63) Phenanthrene-d10	18.11	188	415712	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	477698	20.00	ng	-0.03
86) Perylene-d12	26.16	264	502275	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	320695	109.59	ng	-0.03
7) Phenol-d6	7.85	99	425633	115.49	ng	-0.03
23) Nitrobenzene-d5	9.94	82	261987	81.52	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	288349	111.41	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	956042	75.79	ng	-0.03
78) Terphenyl-d14	20.65	244	1764645	81.57	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.94	70	36284	15.867	ng	# 76
32) Benzoic acid	11.29	122	68	5.281	ng	# 1
49) Dimethylphthalate	14.80	163	88834	6.491	ng	# 97
53) 2,4-Dinitrophenol	14.96	184	68	7.007	ng	# 1
56) 2,4-Dinitrotoluene	15.38	165	20875	5.458	ng	# 19
62) Azobenzene	16.71	77	28844	3.473	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.85	198	875	5.180	ng	# 57
66) 4-Bromophenyl-phenylether	16.86	248	25121	4.247	ng	# 1
76) Benzidine	20.65	184	25256	2.114	ng	# 95

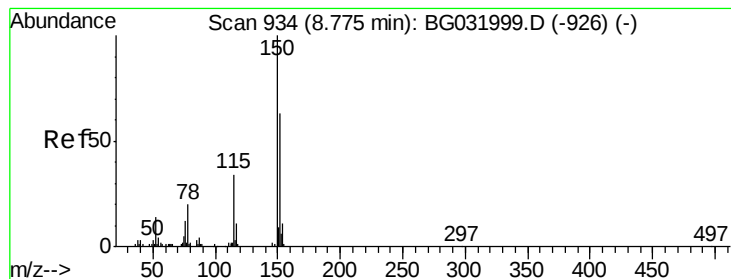
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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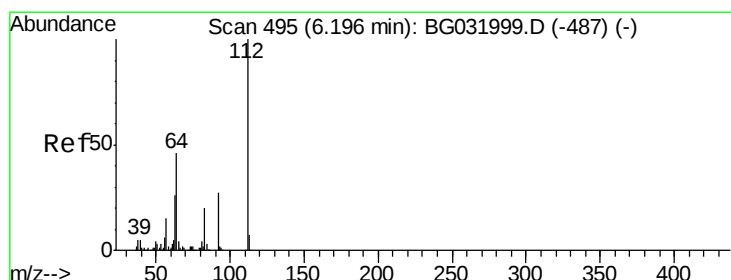
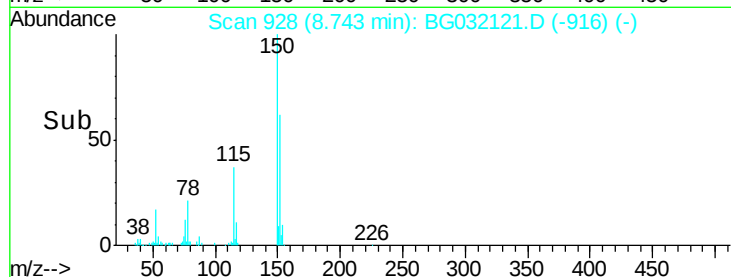
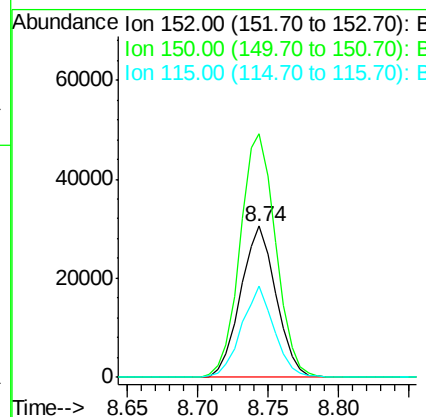
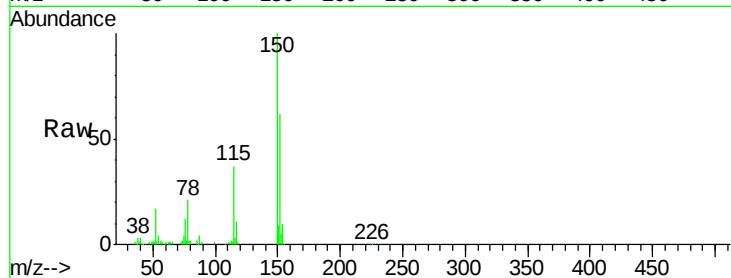


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.03 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Instrument :
BNA_G
ClientSampleId :

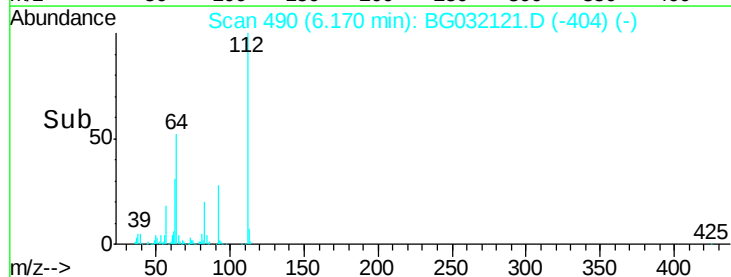
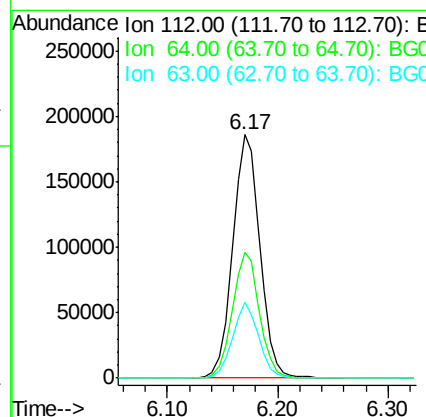
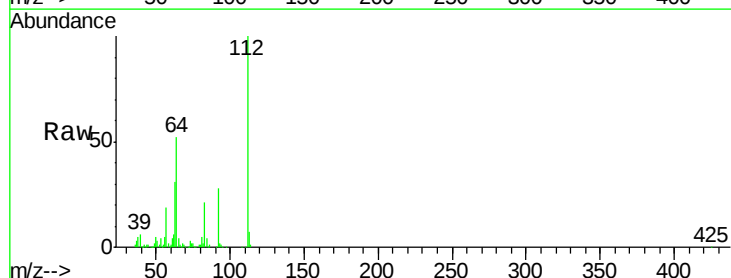
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	126.6	189.8
115	60.2	53.0	79.4

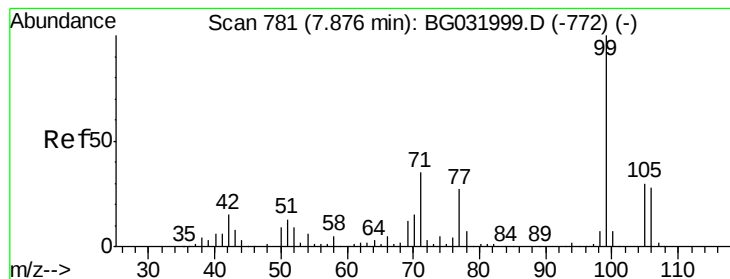


#5

2-Fluorophenol
Concen: 109.591 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.03 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	56.3	84.5#
63	31.0	30.1	45.1





#7

Phenol-d6

Concen: 115.489 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032121.D

Acq: 18 Jan 2018 3:58

Instrument :

BNA_G

ClientSampleId :

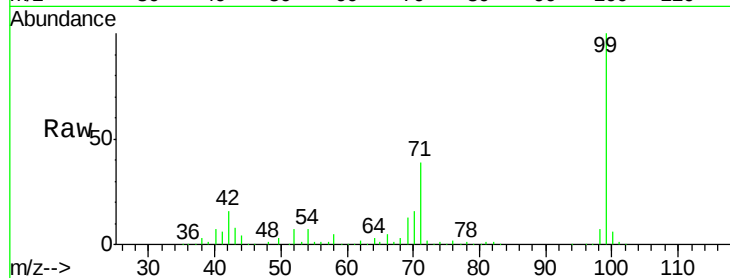
Tot Ion: 99 Resp: 425633

Ion Ratio Lower Upper

99 100

42 15.7 14.1 21.1

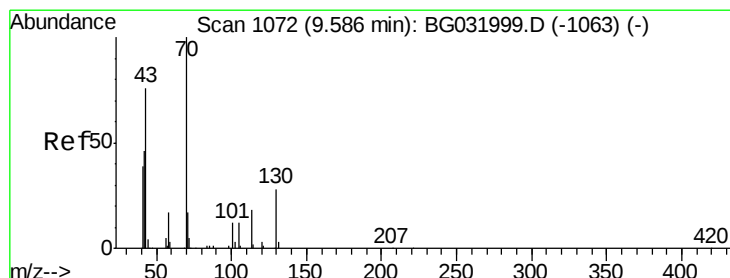
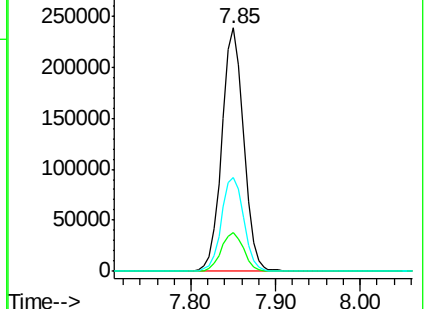
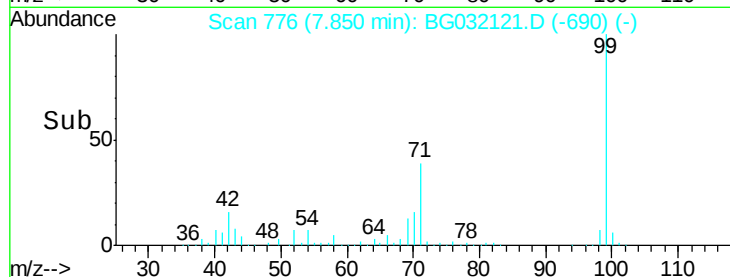
71 38.6 26.1 39.1



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: 15.867 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.36 min

Lab File: BG032121.D

Acq: 18 Jan 2018 3:58

Tgt Ion: 70 Resp: 36284

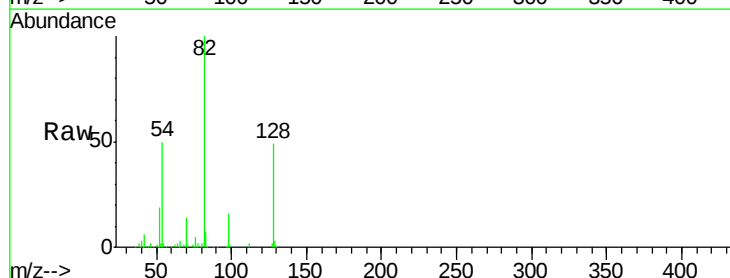
Ion Ratio Lower Upper

70 100

42 45.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

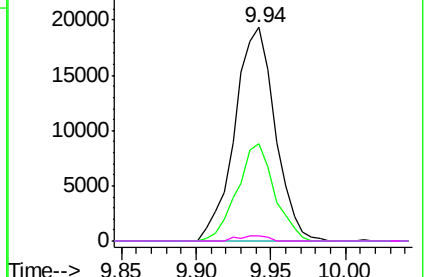
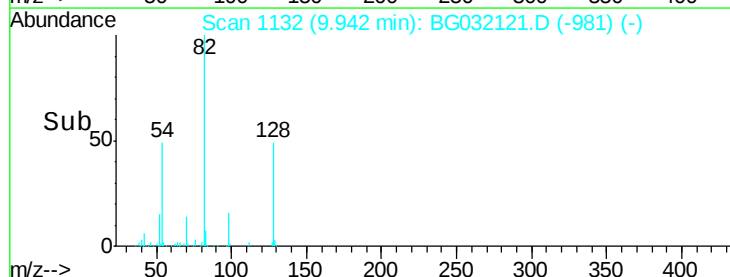


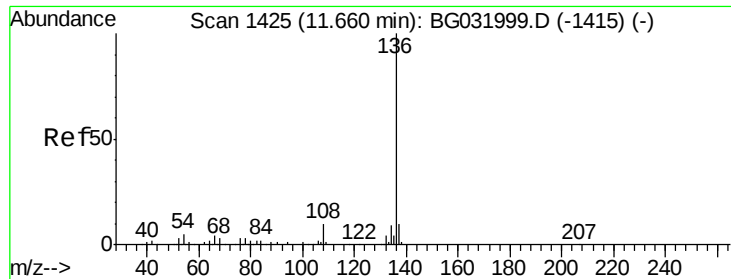
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

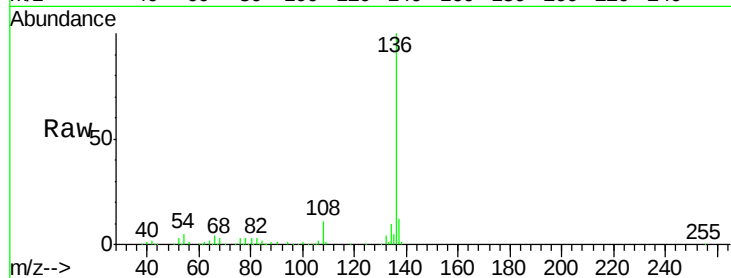




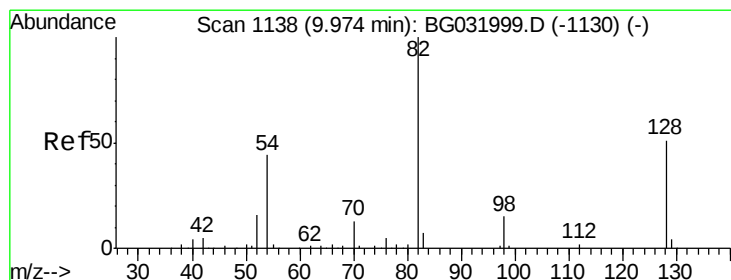
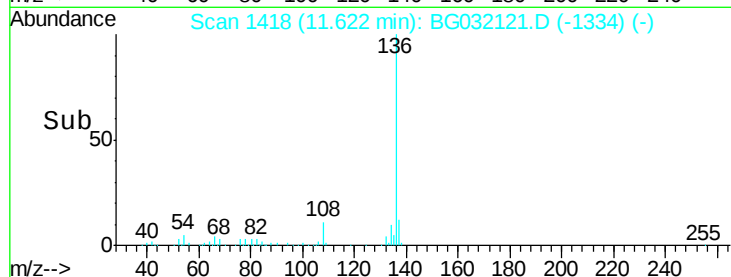
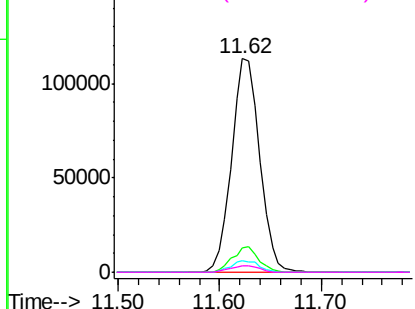
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.04 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	217438
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.2 13.8
54	5.3	10.3 15.5#
68	3.0	4.5 6.7#

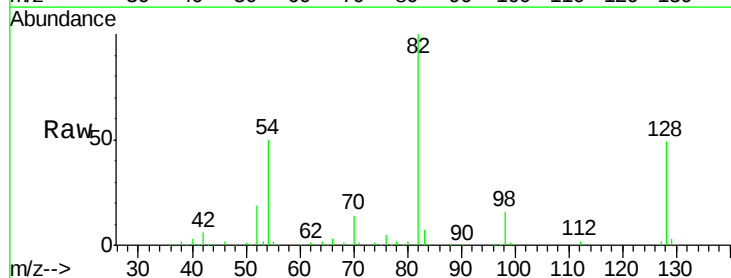


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

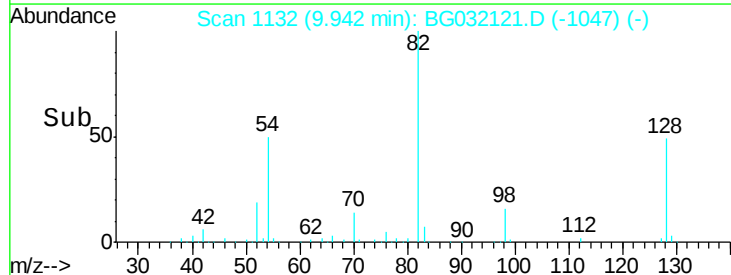
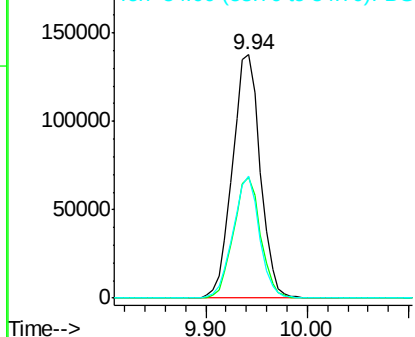


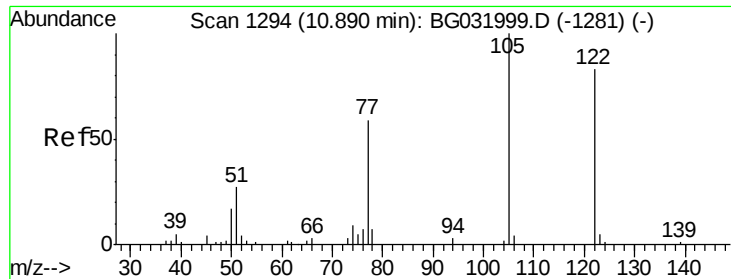
#23
Nitrobenzene-d5
Concen: 81.515 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.03 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Tgt Ion: 82	Resp:	261987
Ion Ratio	Lower	Upper
82	100	
128	49.4	29.7 44.5#
54	50.4	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

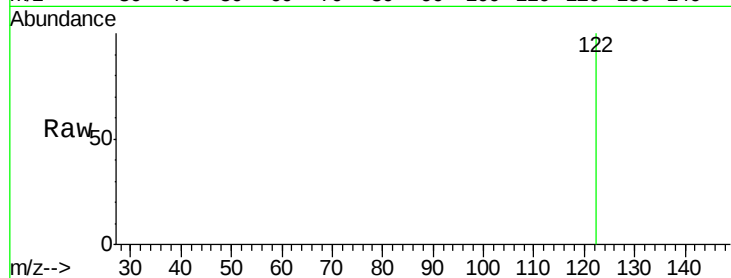




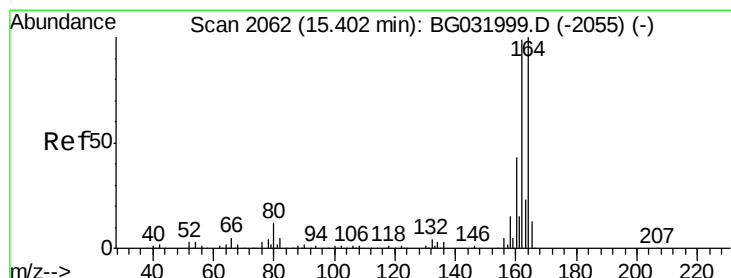
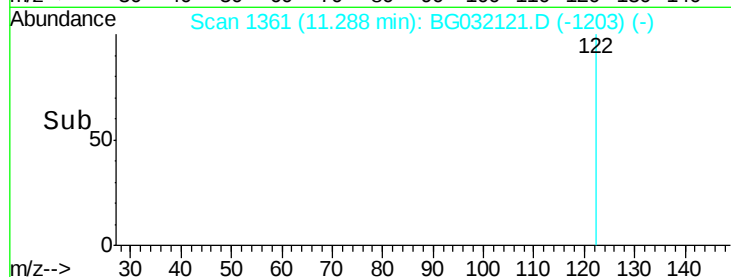
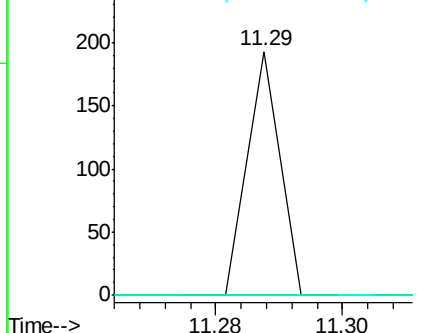
#32
Benzoic acid
Concen: 5.281 ng
RT: 11.29 min Scan# 1361
Delta R.T. 0.40 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

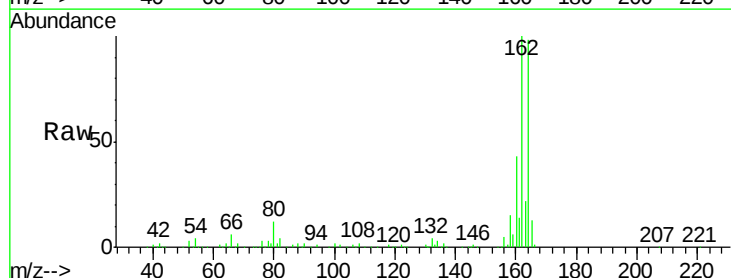


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

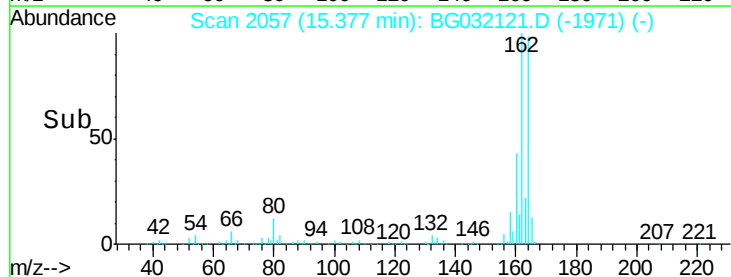
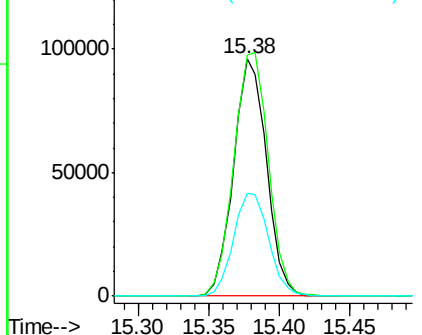


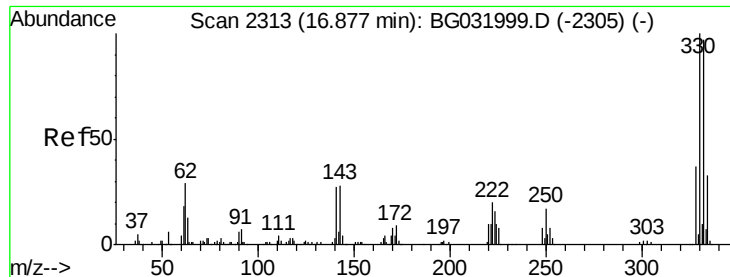
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.38 min Scan# 2057
Delta R.T. -0.03 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Tgt Ion:164 Resp: 156402
Ion Ratio Lower Upper
164 100
162 101.7 78.8 118.2
160 43.6 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: 111.414 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032121.D

Acq: 18 Jan 2018 3:58

Instrument :

BNA_G

ClientSampled :

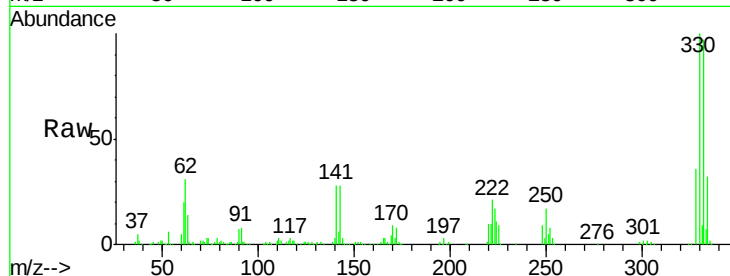
Tot Ion:330 Resp: 288349

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

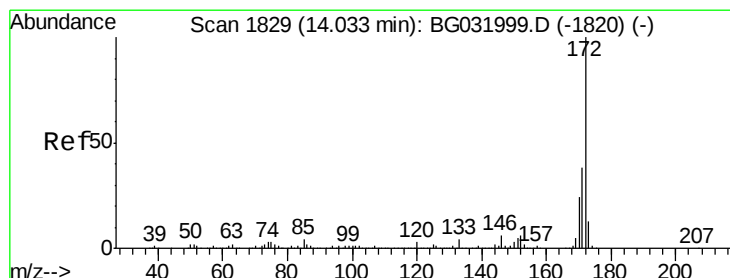
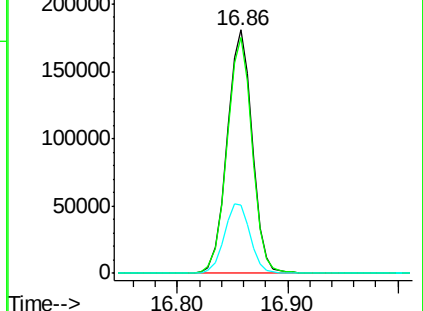
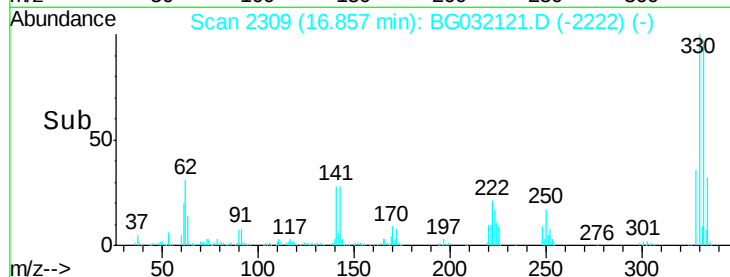
141 29.3 25.2 37.8



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: 75.795 ng

RT: 14.01 min Scan# 1824

Delta R.T. -0.03 min

Lab File: BG032121.D

Acq: 18 Jan 2018 3:58

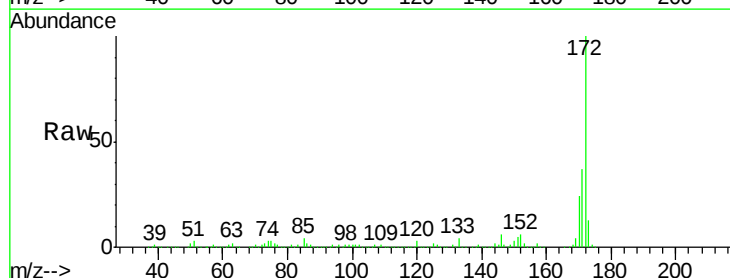
Tgt Ion:172 Resp: 956042

Ion Ratio Lower Upper

172 100

171 37.4 30.0 45.0

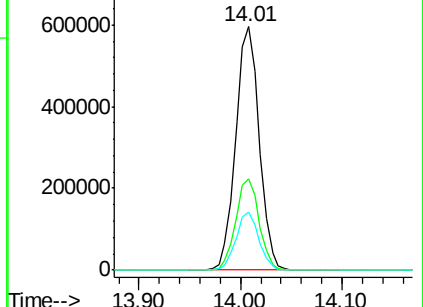
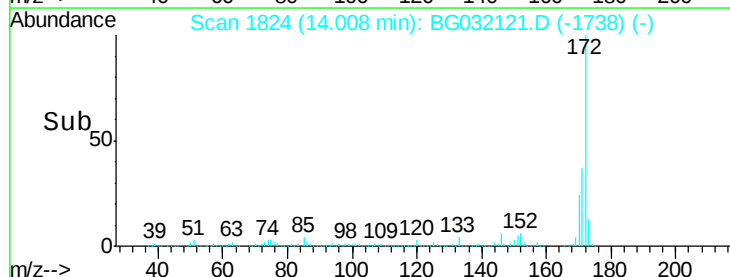
170 23.8 19.5 29.3

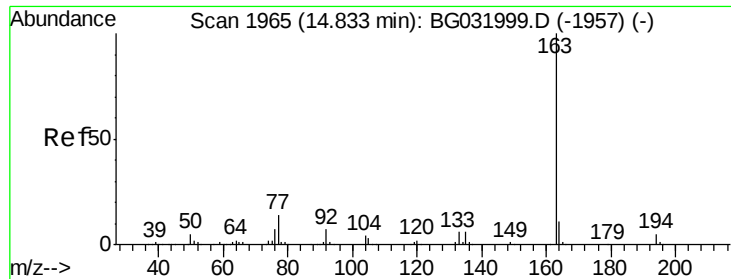


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.491 ng

RT: 14.80 min Scan# 1959

Delta R.T. -0.03 min

Lab File: BG032121.D

Acq: 18 Jan 2018 3:58

Instrument :

BNA_G

ClientSampleId :

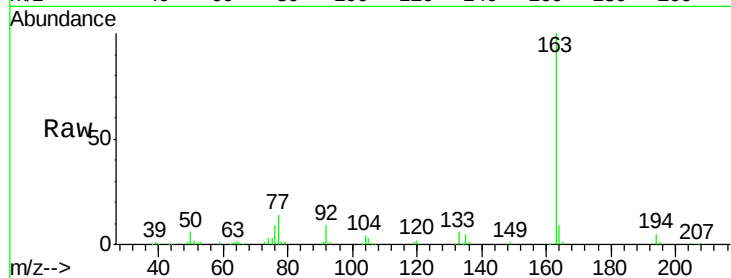
Tot Ion:163 Resp: 88834

Ion Ratio Lower Upper

163 100

194 5.1 3.4 5.2

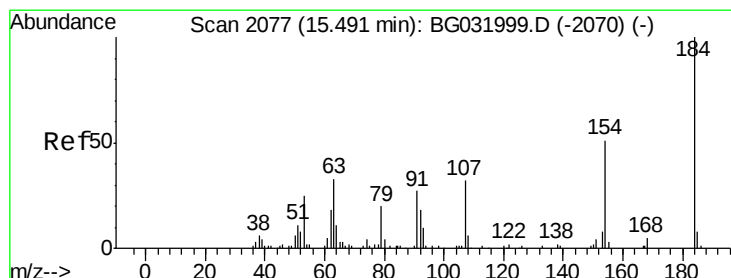
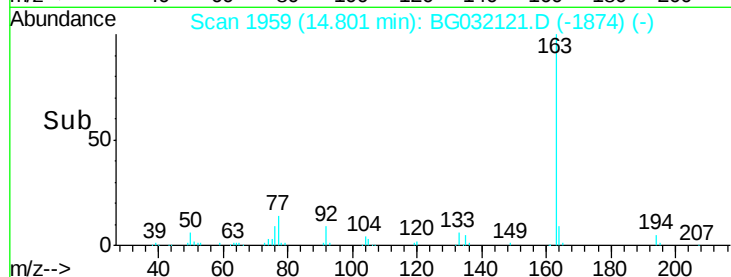
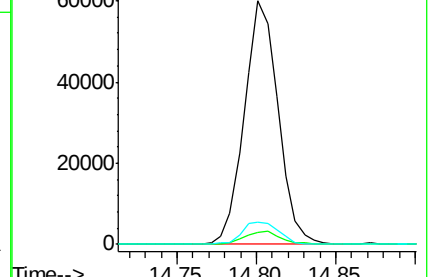
164 9.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 7.007 ng

RT: 14.96 min Scan# 1986

Delta R.T. -0.53 min

Lab File: BG032121.D

Acq: 18 Jan 2018 3:58

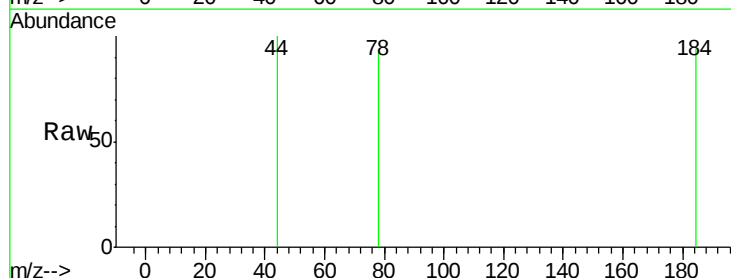
Tgt Ion:184 Resp: 68

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

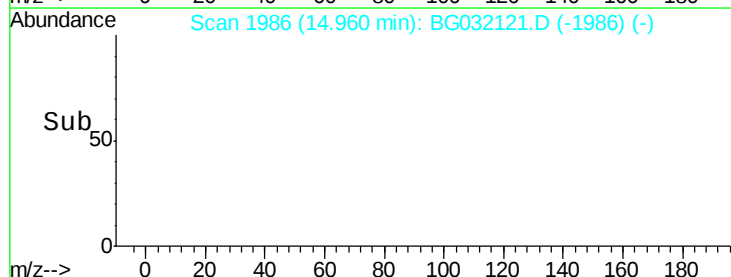
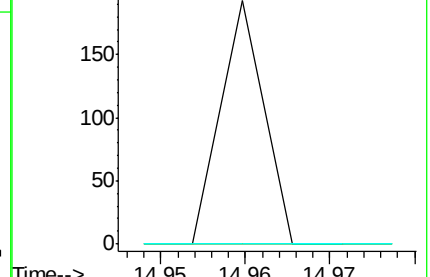
154 0.0 101.8 152.8#

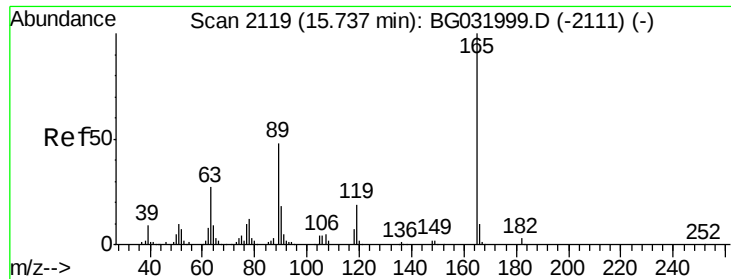


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

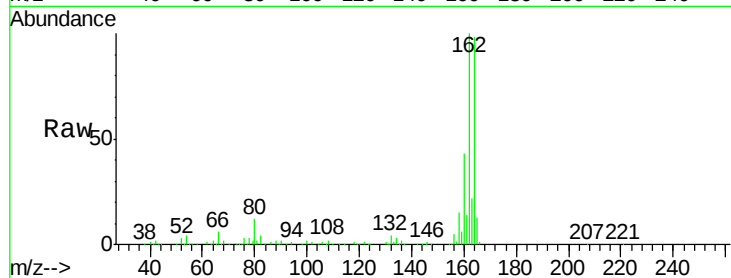




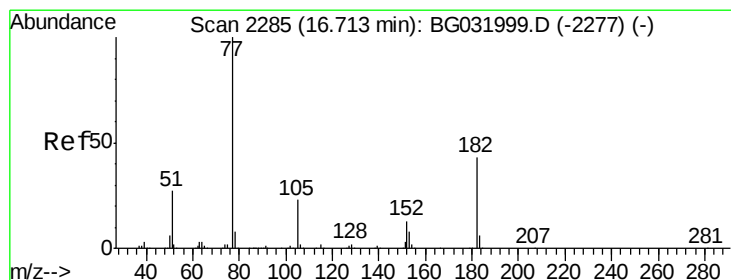
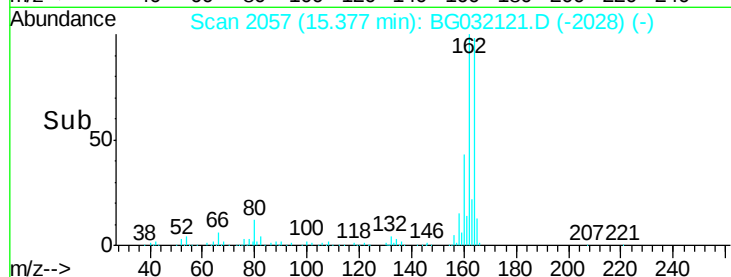
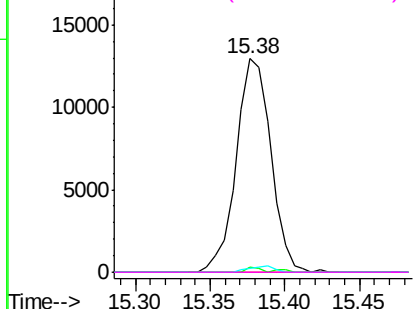
#56
2,4-Dinitrotoluene
Concen: 5.458 ng
RT: 15.38 min Scan# 2057
Delta R.T. -0.36 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	165	Resp:	20875
Ion	Ratio	Lower	Upper
165	100		
63	2.6	42.0	63.0#
89	1.8	66.9	100.3#
182	0.0	2.6	3.8#

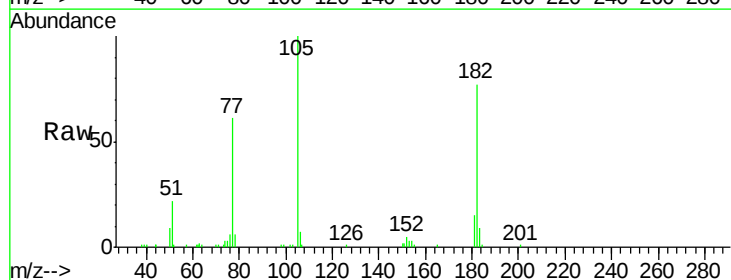


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

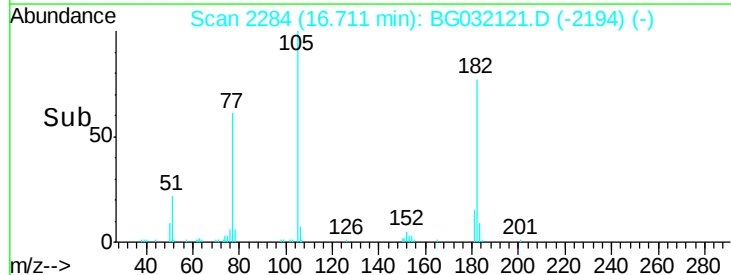
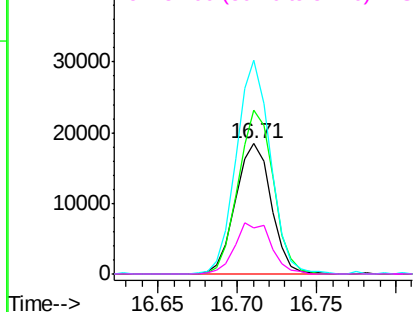


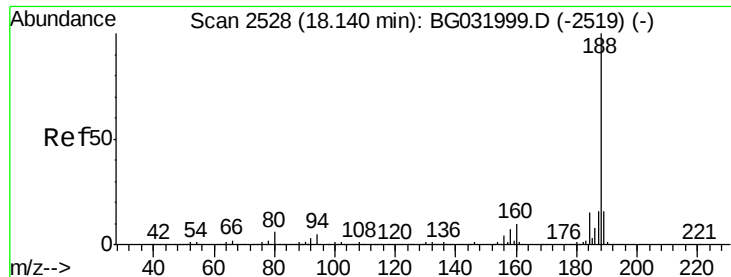
#62
Azobenzene
Concen: 3.473 ng
RT: 16.71 min Scan# 2284
Delta R.T. -0.00 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Tgt Ion:	77	Resp:	28844
Ion	Ratio	Lower	Upper
77	100		
182	126.2	7.4	47.4#
105	164.3	0.3	40.3#
51	35.7	11.6	51.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BGC

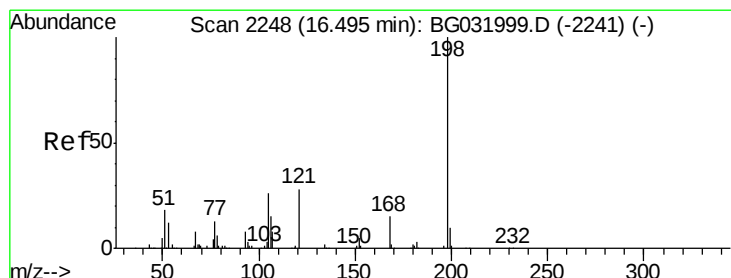
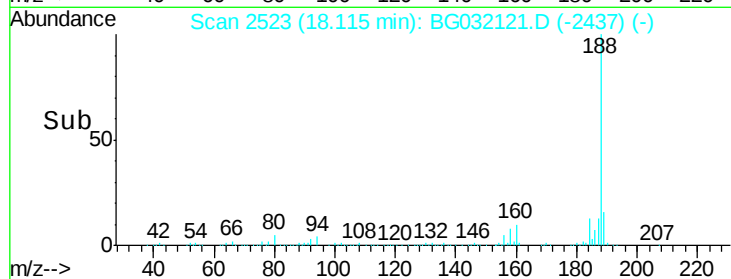
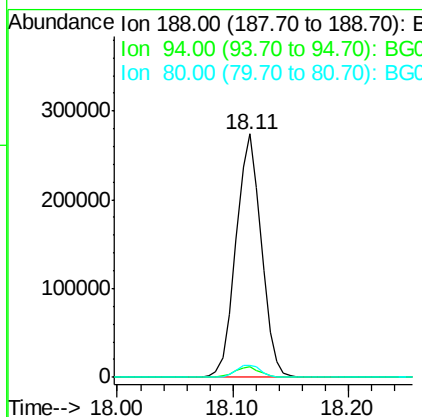
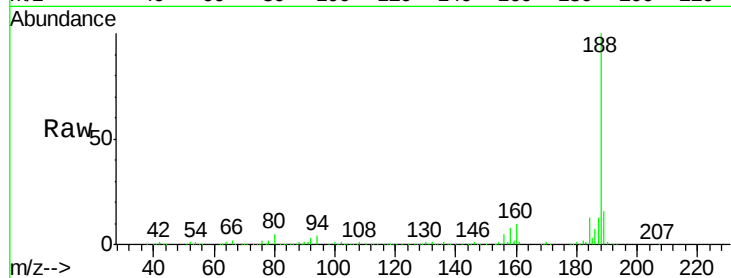




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.03 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

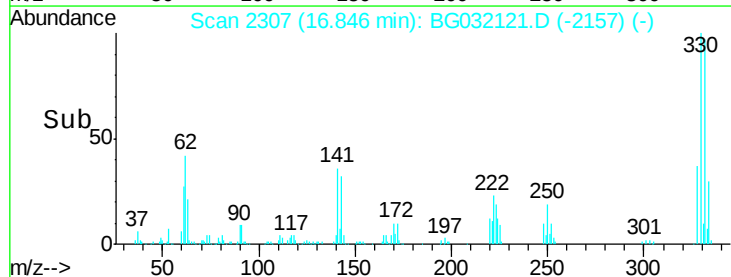
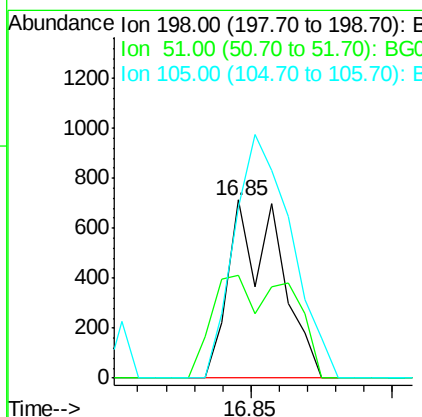
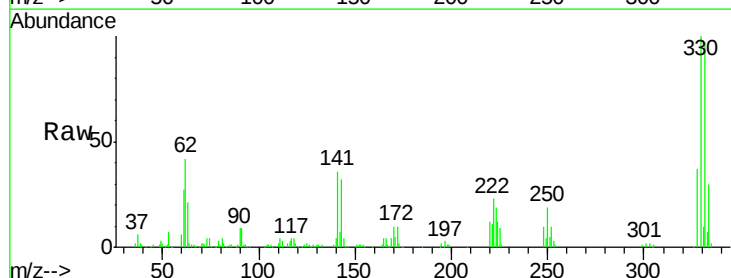
Instrument :
BNA_G
ClientSampleId :

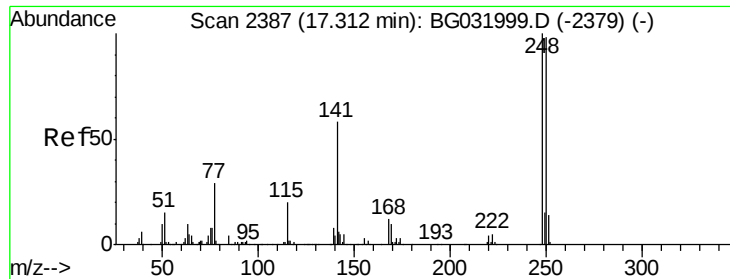
Tot Ion:188 Resp: 415712
Ion Ratio Lower Upper
188 100
94 4.4 6.9 10.3#
80 4.8 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.180 ng
RT: 16.85 min Scan# 2307
Delta R.T. 0.35 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Tgt Ion:198 Resp: 875
Ion Ratio Lower Upper
198 100
51 58.1 30.6 70.6
105 96.1 23.8 63.8#

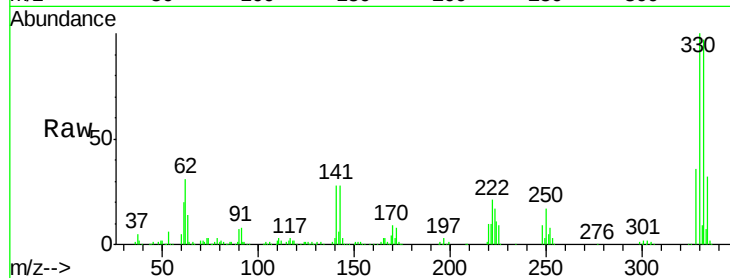




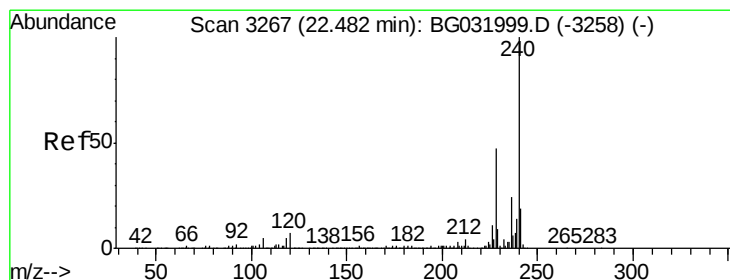
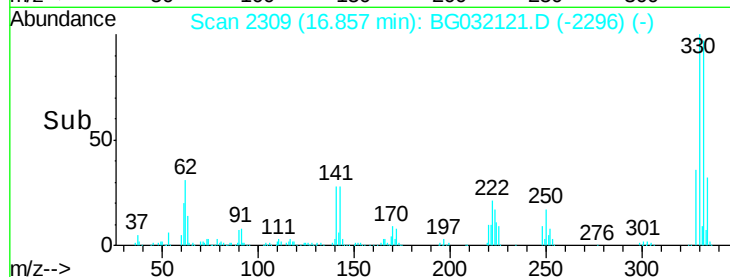
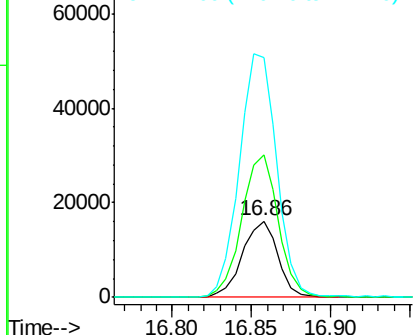
#66
 4-Bromophenyl-phenylether
 Concen: 4.247 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.45 min
 Lab File: BG032121.D
 Acq: 18 Jan 2018 3:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 25121
 Ion Ratio Lower Upper
 248 100
 250 188.1 77.1 115.7#
 141 315.7 50.8 76.2#

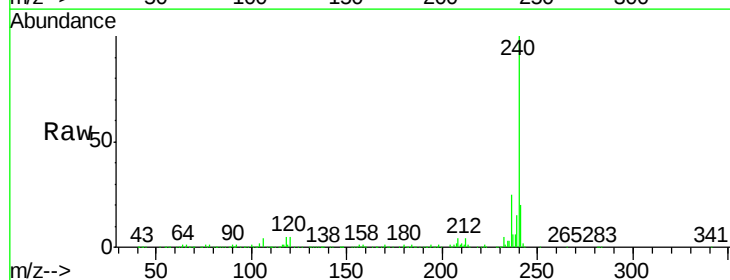


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

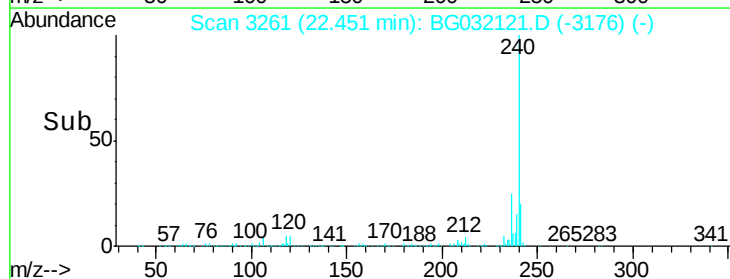
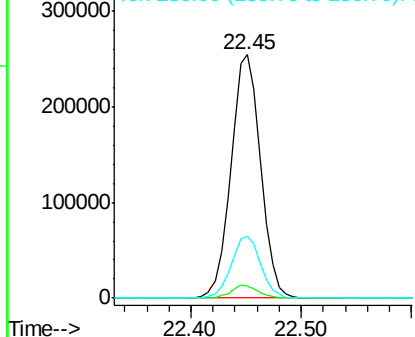


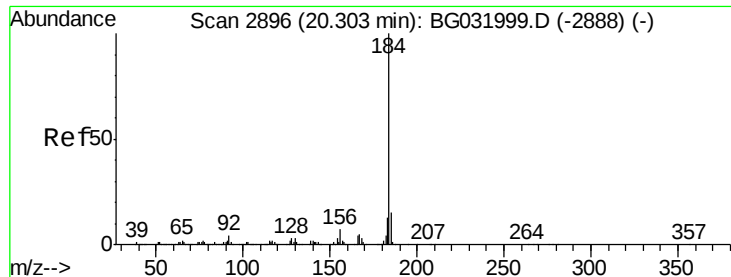
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.45 min Scan# 3261
 Delta R.T. -0.03 min
 Lab File: BG032121.D
 Acq: 18 Jan 2018 3:58

Tgt Ion:240 Resp: 477698
 Ion Ratio Lower Upper
 240 100
 120 5.1 6.8 10.2#
 236 25.4 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

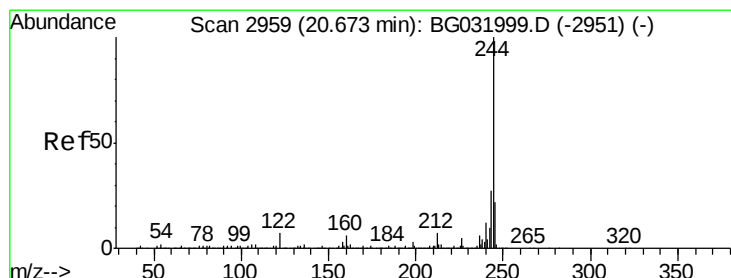
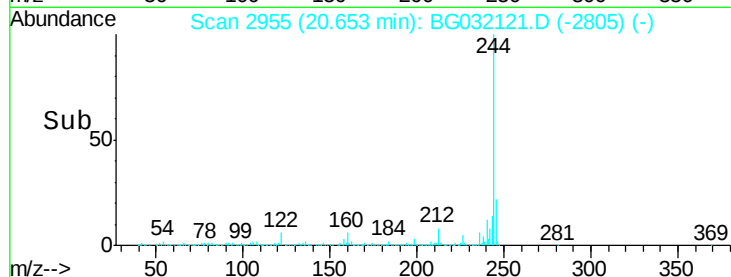
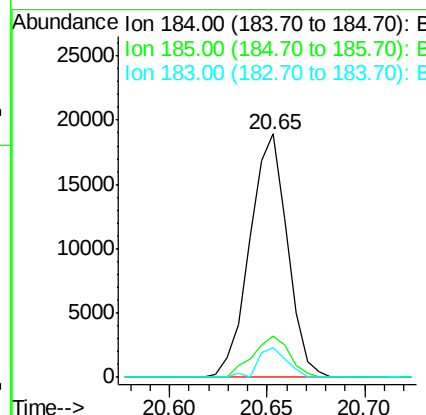
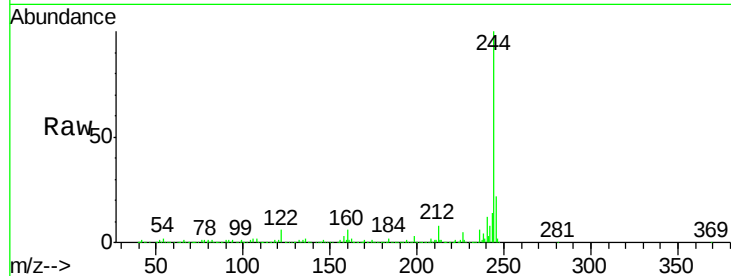




#76
Benzidine
Concen: 2.114 ng
RT: 20.65 min Scan# 2955
Delta R.T. 0.35 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

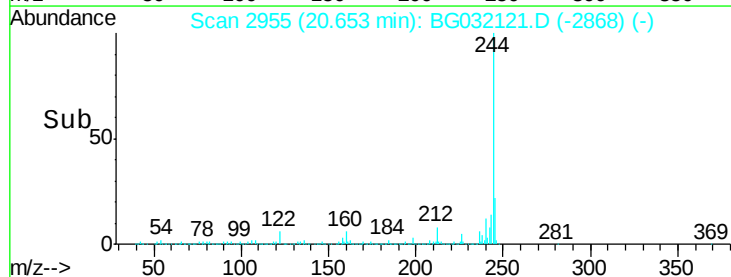
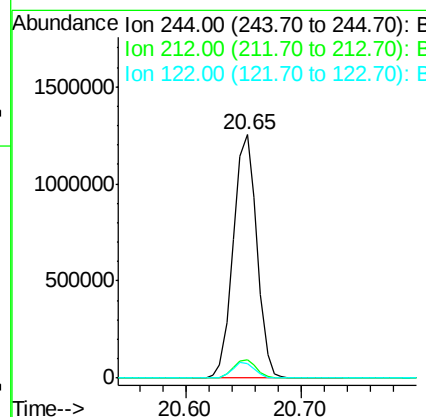
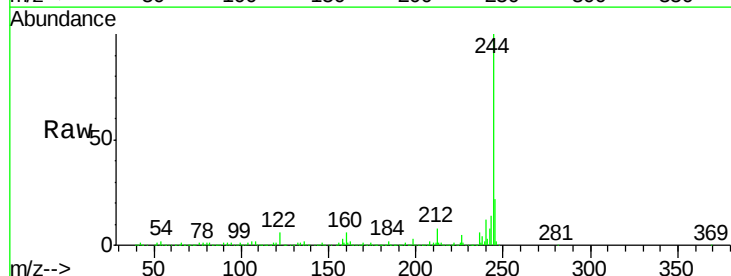
Instrument :
BNA_G
ClientSampleId :

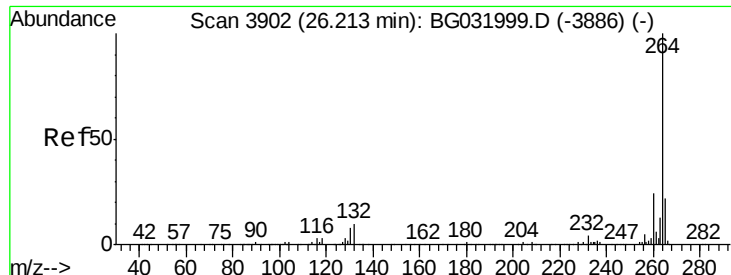
Tot Ion:184 Resp: 25256
Ion Ratio Lower Upper
184 100
185 16.9 11.1 16.7#
183 12.0 10.6 16.0



#78
Terphenyl-d14
Concen: 81.566 ng
RT: 20.65 min Scan# 2955
Delta R.T. -0.02 min
Lab File: BG032121.D
Acq: 18 Jan 2018 3:58

Tgt Ion:244 Resp: 1764645
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.8
122 6.1 7.0 10.4#

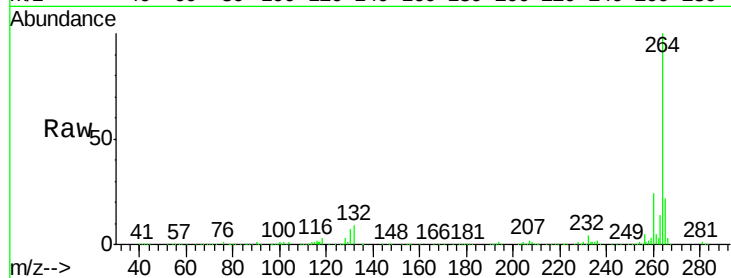




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.16 min Scan# 3892
 Delta R.T. -0.06 min
 Lab File: BG032121.D
 Acq: 18 Jan 2018 3:58

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.7	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

