

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032090.D
 Acq On : 17 Jan 2018 4:12
 Operator : SJ/JU
 Sample : J1014-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 06:01:50 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

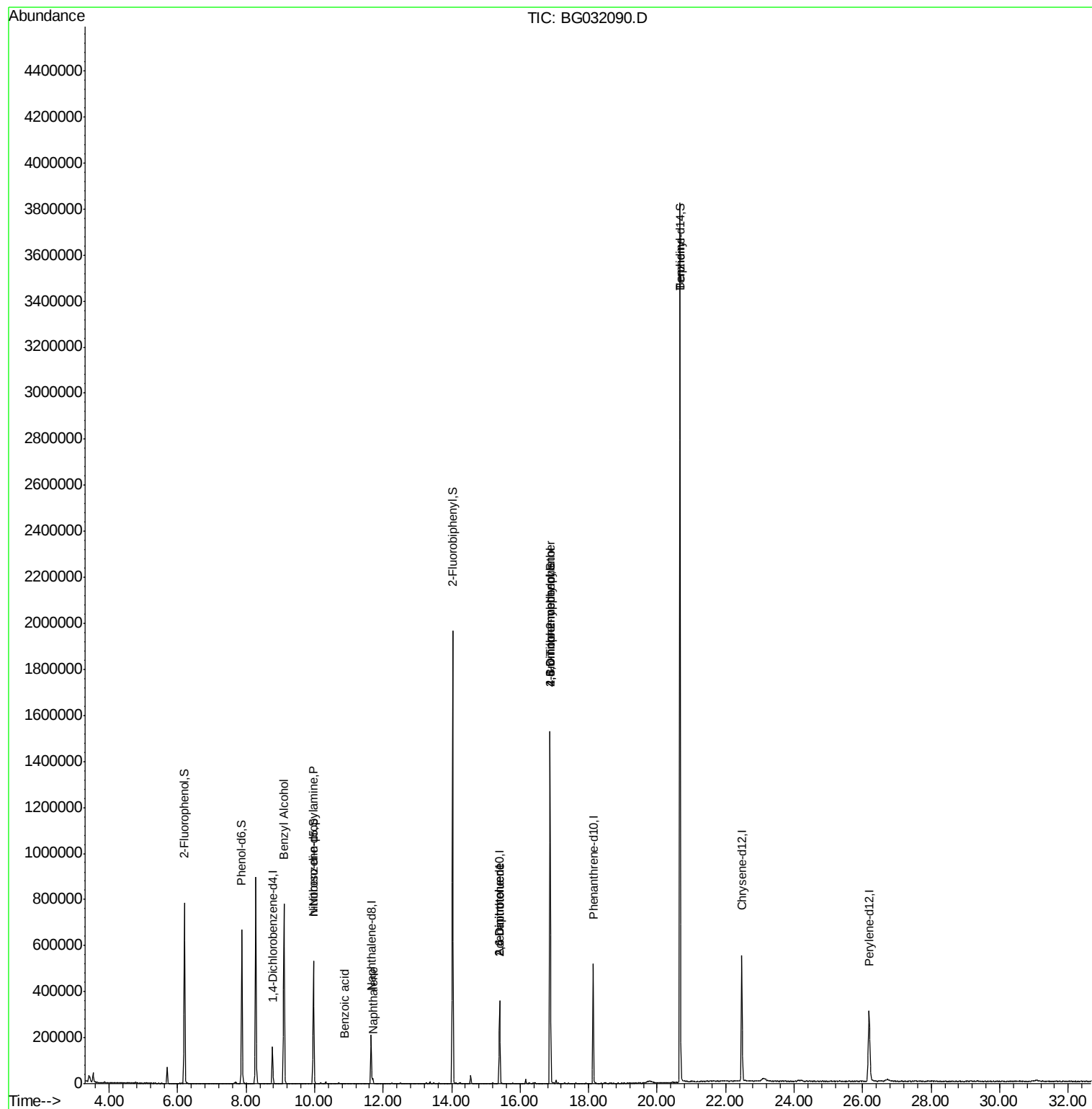
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	52763	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	206661	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	136241	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	357180	20.00	ng	0.00
75) Chrysene-d12	22.47	240	425925	20.00	ng	-0.01
86) Perylene-d12	26.19	264	442892	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	402863	139.65	ng	0.00
7) Phenol-d6	7.87	99	432850	119.13	ng	0.00
23) Nitrobenzene-d5	9.97	82	340432	111.45	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	359802	159.59	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1149390	104.61	ng	0.00
78) Terphenyl-d14	20.66	244	2047468	106.14	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.11	79	6318	2.394	ng	# 32
19) n-Nitroso-di-n-propylamine	9.97	70	46656	20.696	ng	# 75
31) Naphthalene	11.70	128	21013	2.053	ng	# 95
32) Benzoic acid	10.88	122	64	5.281	ng	# 1
50) 2,6-Dinitrotoluene	15.40	165	17745	7.171	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	17745	5.326	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	1039	5.293	ng	# 22
66) 4-Bromophenyl-phenylether	16.88	248	30397	5.981	ng	# 1
76) Benzidine	20.66	184	29257	2.747	ng	# 93

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

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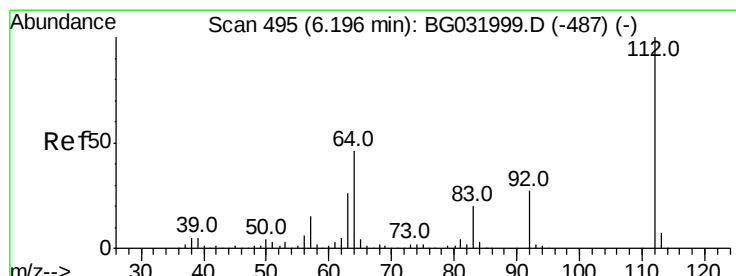
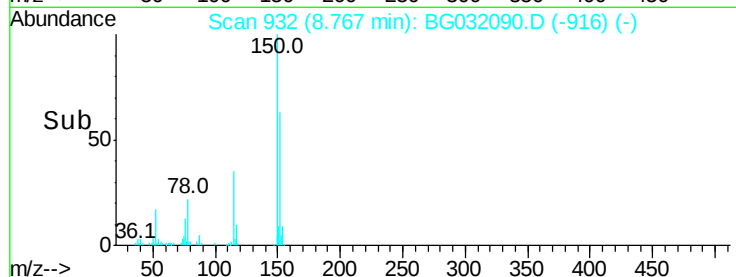
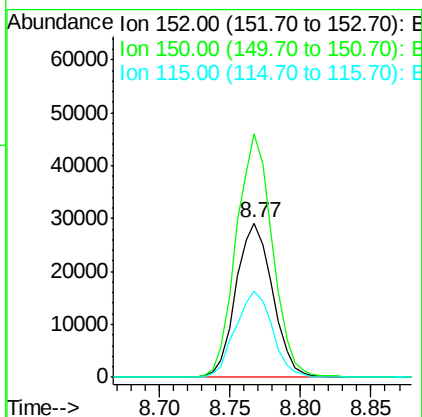
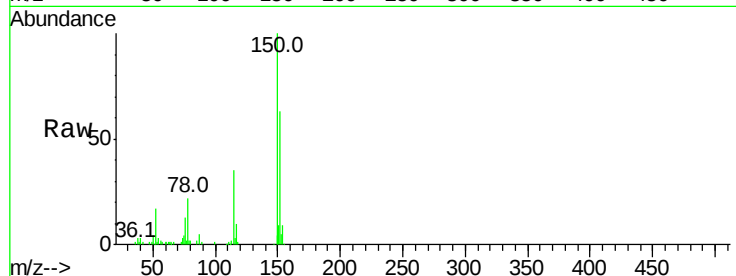


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Instrument :
BNA_G
ClientSampleId :

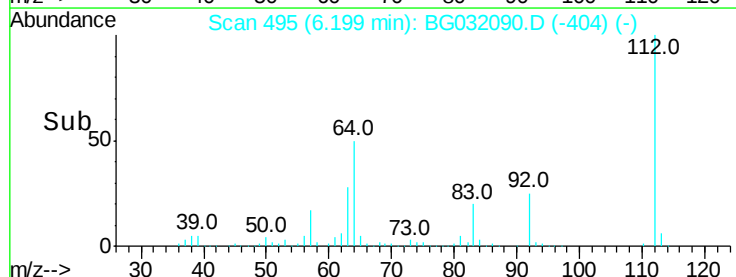
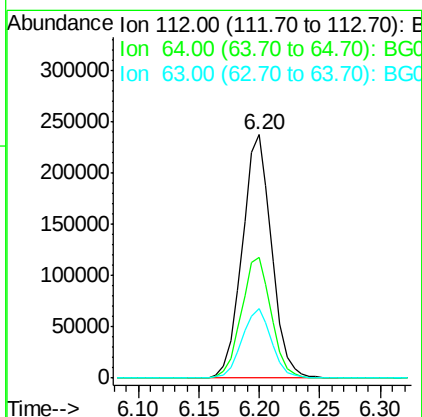
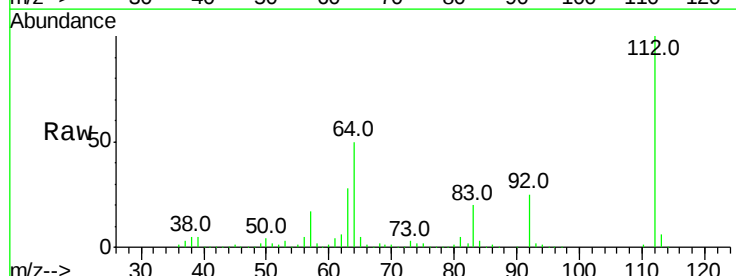
Tot Ion:152 Resp: 52763
Ion Ratio Lower Upper
152 100
150 157.8 126.6 189.8
115 55.6 53.0 79.4

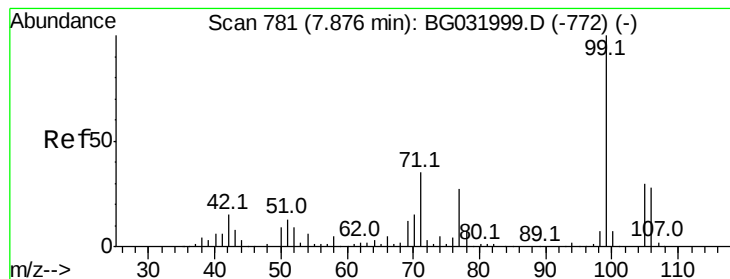


#5

2-Fluorophenol
Concen: 139.645 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Tgt Ion:112 Resp: 402863
Ion Ratio Lower Upper
112 100
64 49.5 56.3 84.5#
63 28.3 30.1 45.1#





#7

Phenol-d6

Concen: 119.132 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032090.D

Acq: 17 Jan 2018 4:12

Instrument :

BNA_G

ClientSampleId :

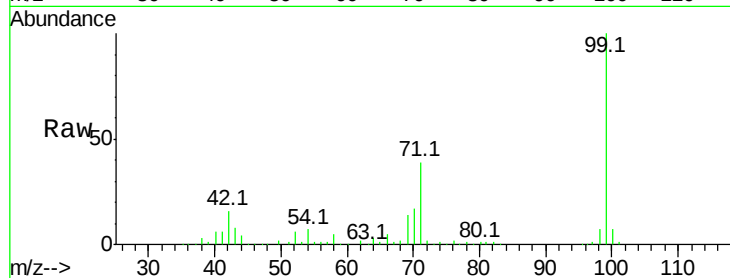
Tot Ion: 99 Resp: 432850

Ion Ratio Lower Upper

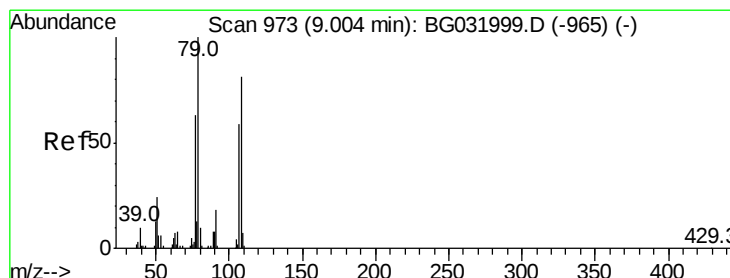
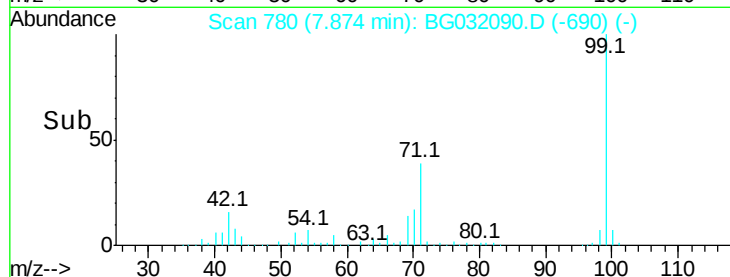
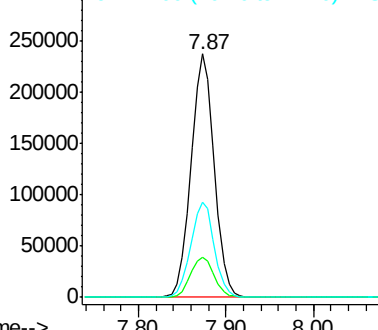
99 100

42 16.3 14.1 21.1

71 39.0 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: 2.394 ng

RT: 9.11 min Scan# 990

Delta R.T. 0.10 min

Lab File: BG032090.D

Acq: 17 Jan 2018 4:12

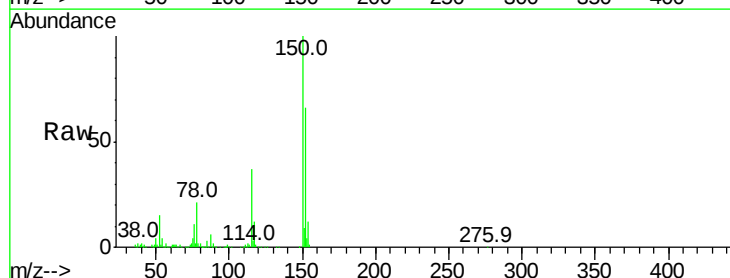
Tgt Ion: 79 Resp: 6318

Ion Ratio Lower Upper

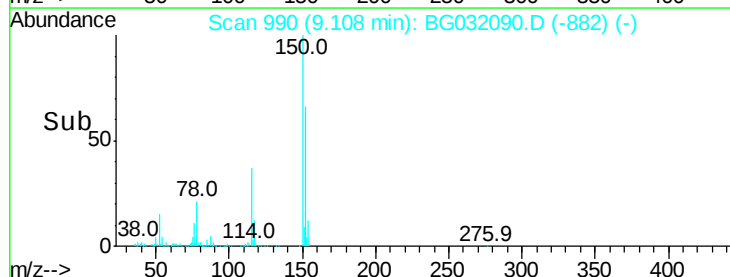
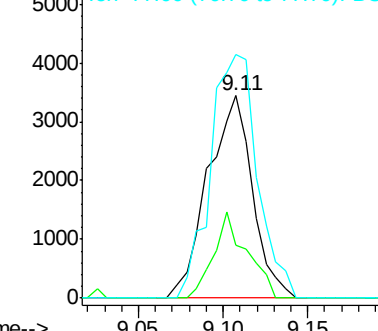
79 100

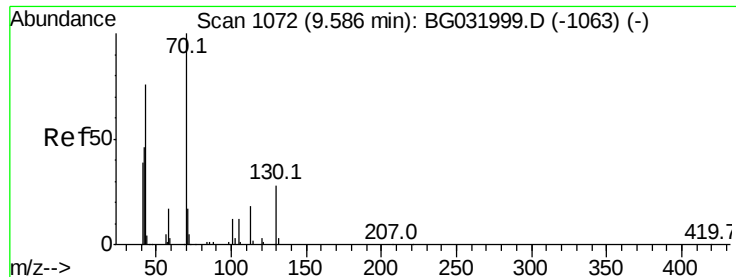
108 26.2 57.2 85.8#

77 120.3 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: 20.696 ng

RT: 9.97 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032090.D

Acq: 17 Jan 2018 4:12

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 46656

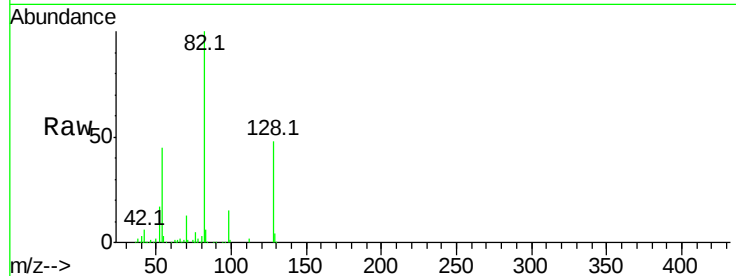
Ion Ratio Lower Upper

70 100

42 44.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#

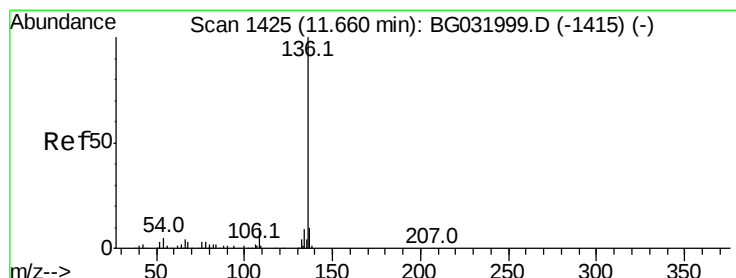
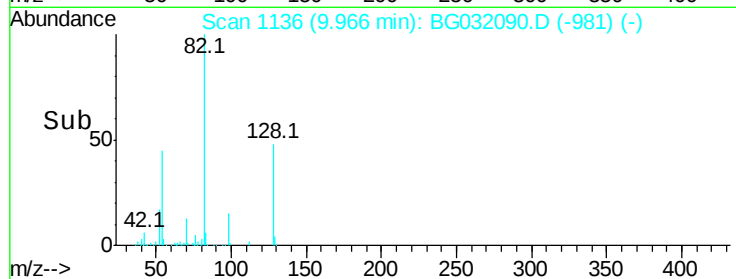
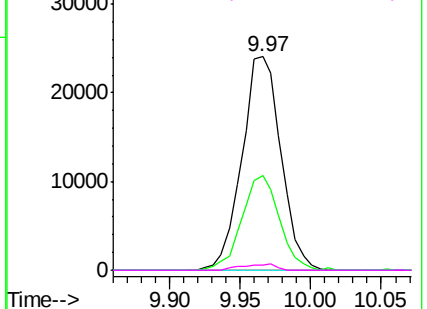


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.65 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BG032090.D

Acq: 17 Jan 2018 4:12

Tgt Ion: 136 Resp: 206661

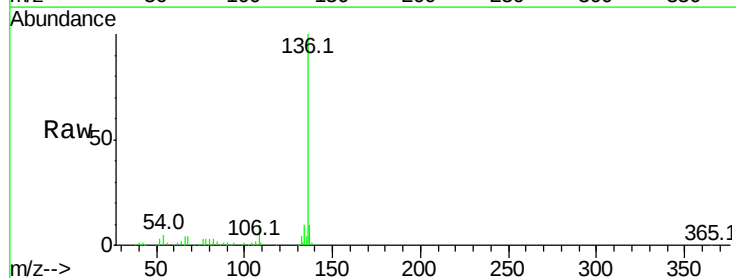
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 5.1 10.3 15.5#

68 3.9 4.5 6.7#

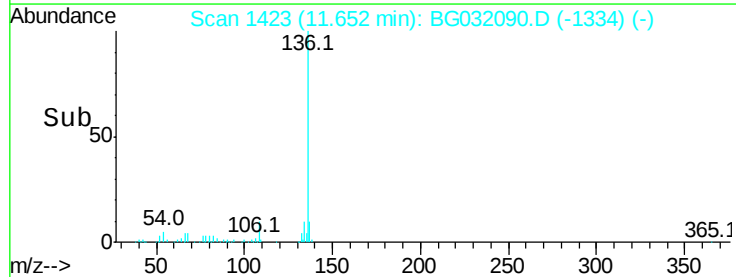
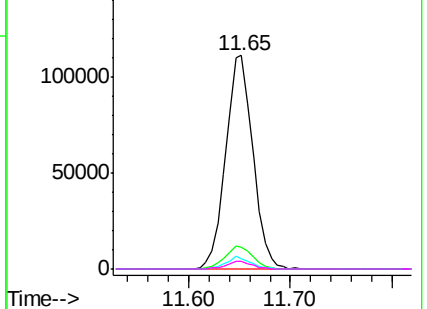


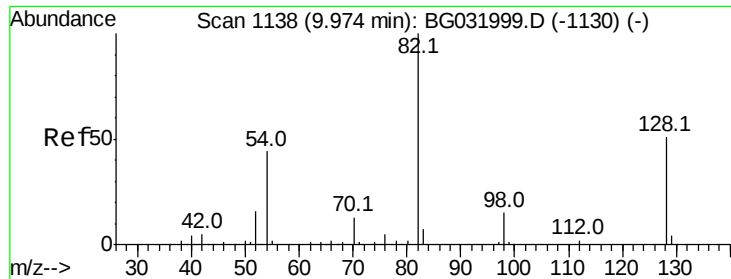
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

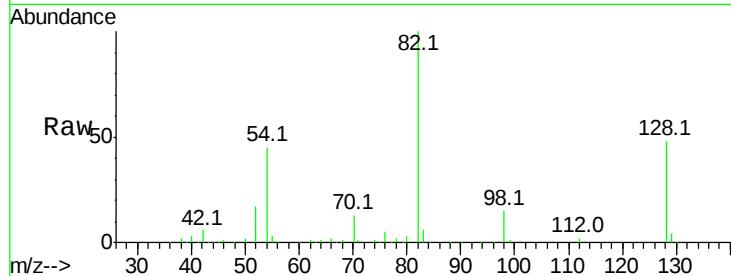




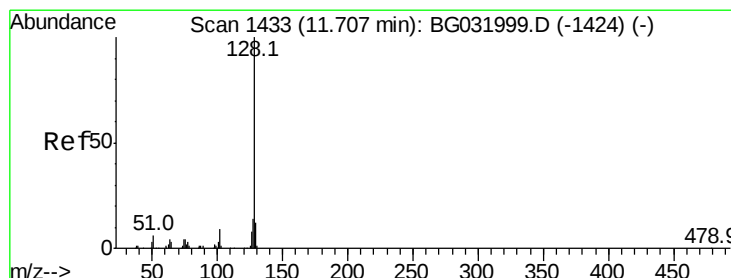
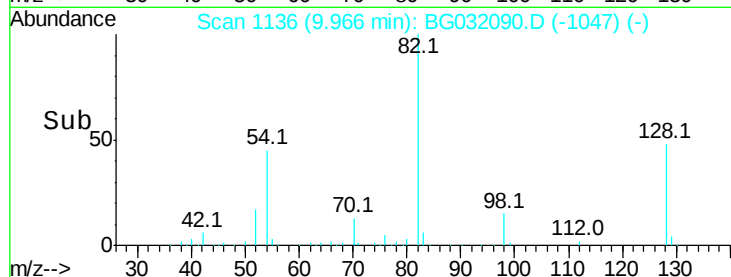
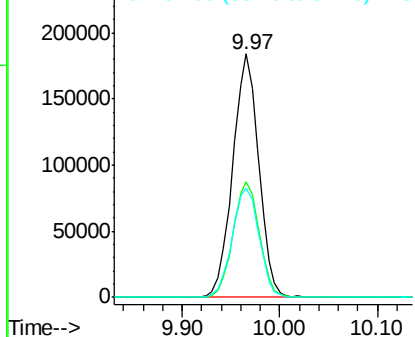
#23
 Nitrobenzene-d5
 Concen: 111.447 ng
 RT: 9.97 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 340432
 Ion Ratio Lower Upper
 82 100
 128 47.7 29.7 44.5#
 54 45.1 43.1 64.7

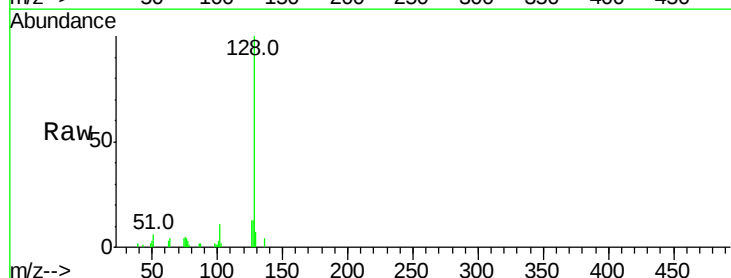


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

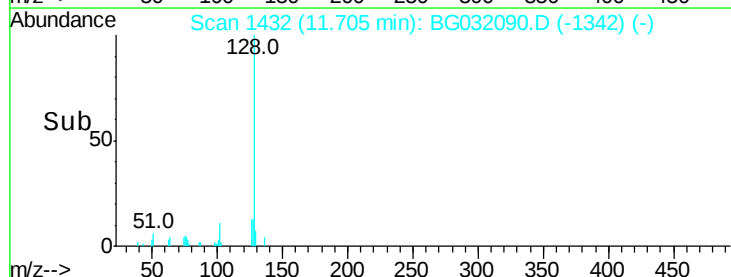
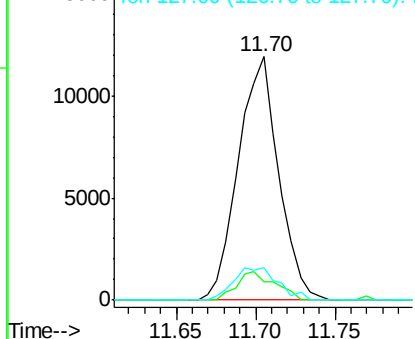


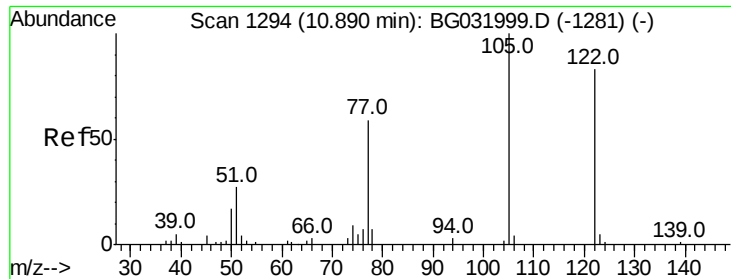
#31
 Naphthalene
 Concen: 2.053 ng
 RT: 11.70 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

Tgt Ion: 128 Resp: 21013
 Ion Ratio Lower Upper
 128 100
 129 7.3 8.6 12.8#
 127 13.4 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

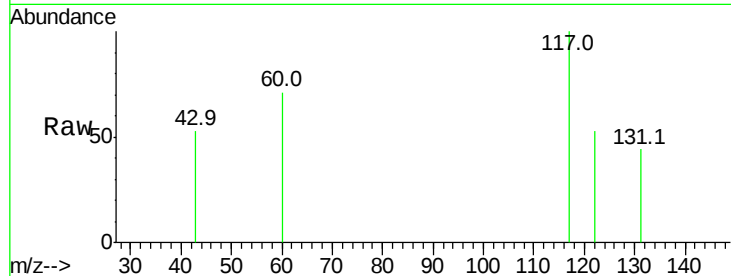




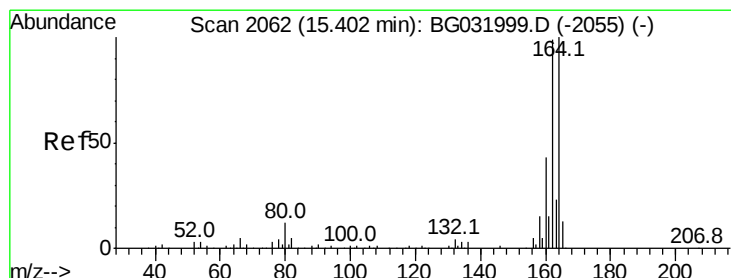
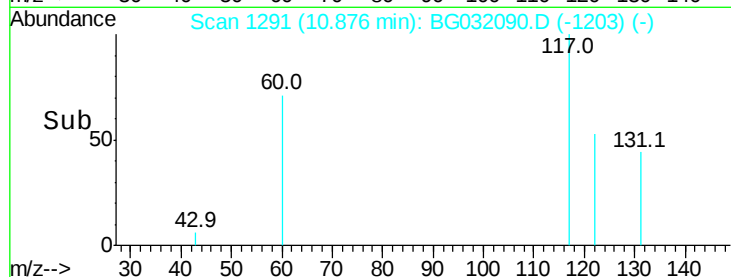
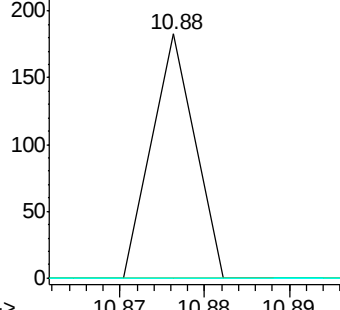
#32
Benzoic acid
Concen: 5.281 ng
RT: 10.88 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#

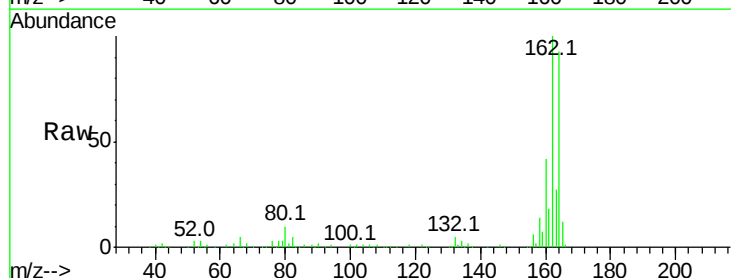


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

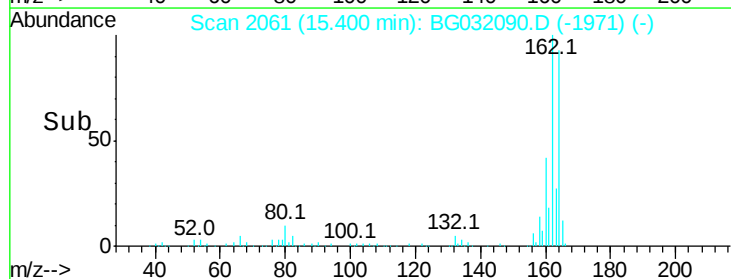
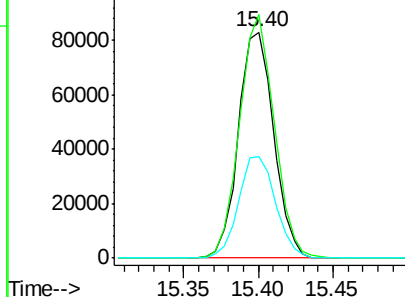


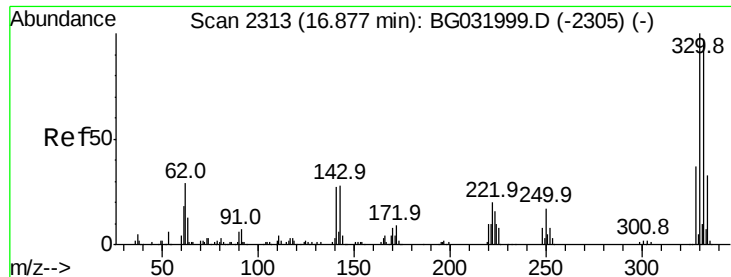
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Tgt Ion:164 Resp: 136241
Ion Ratio Lower Upper
164 100
162 107.7 78.8 118.2
160 45.0 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

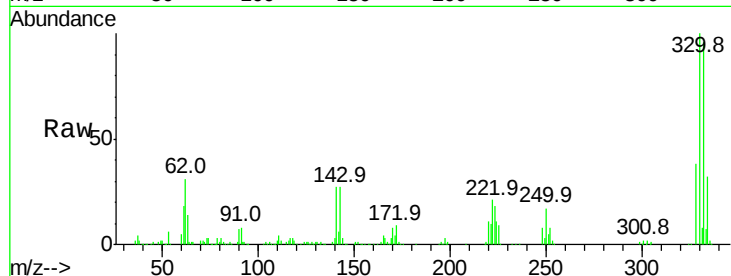




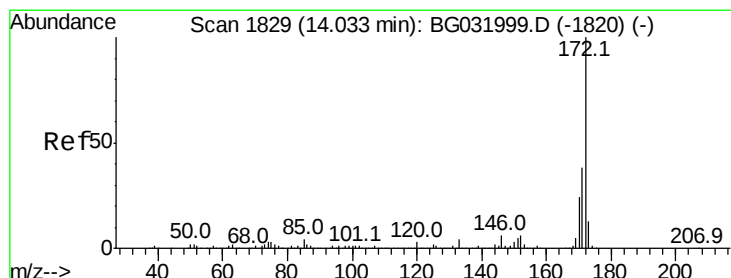
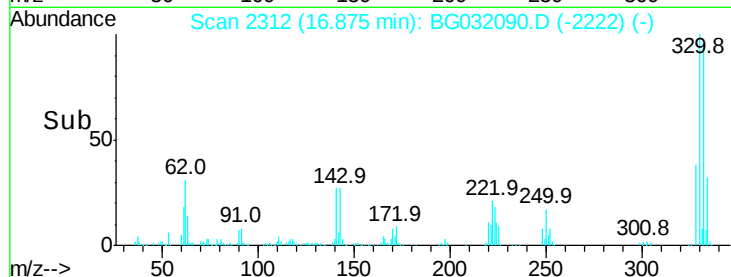
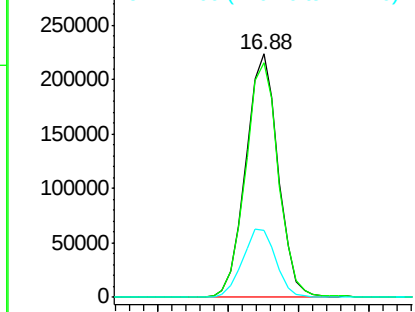
#41
 2,4,6-Tribromophenol
 Concen: 159.595 ng
 RT: 16.88 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.0	115.6
141	28.9	25.2	37.8

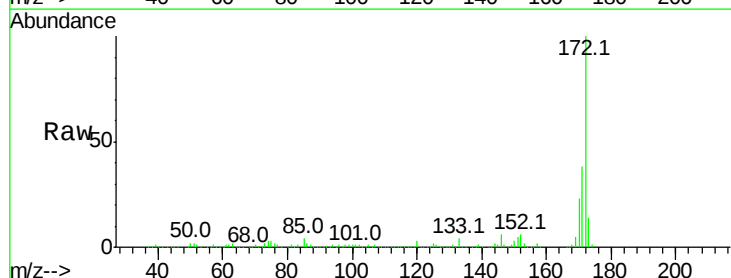


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

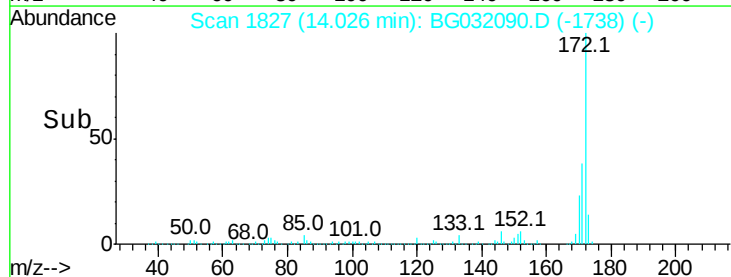
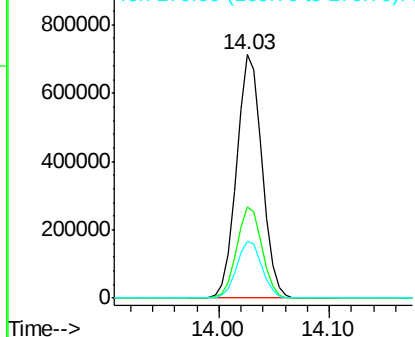


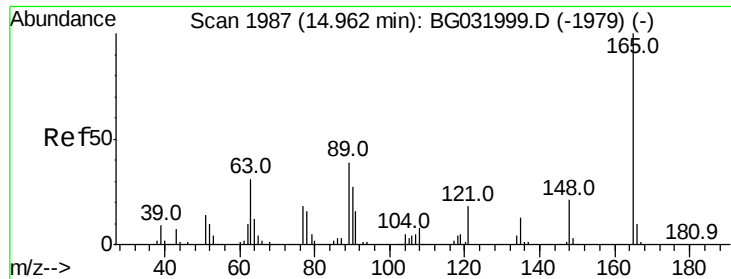
#44
 2-Fluorobiphenyl
 Concen: 104.608 ng
 RT: 14.03 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	23.4	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

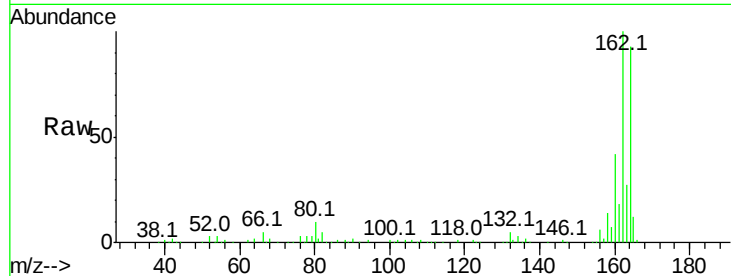




#50
 2,6-Dinitrotoluene
 Concen: 7.171 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

Instrument :
 BNA_G
 ClientSampleId :

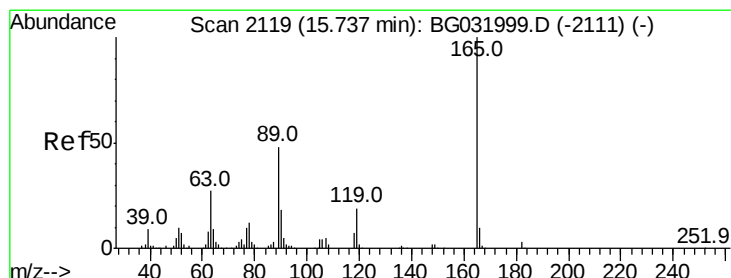
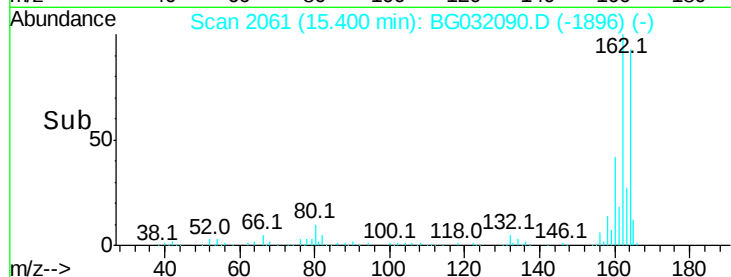
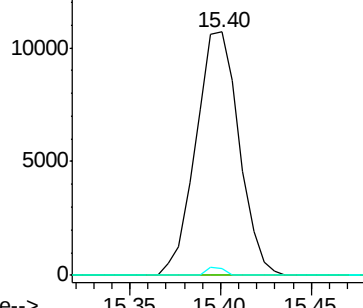
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.6	49.2	73.8#



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



#56
 2,4-Dinitrotoluene
 Concen: 5.326 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

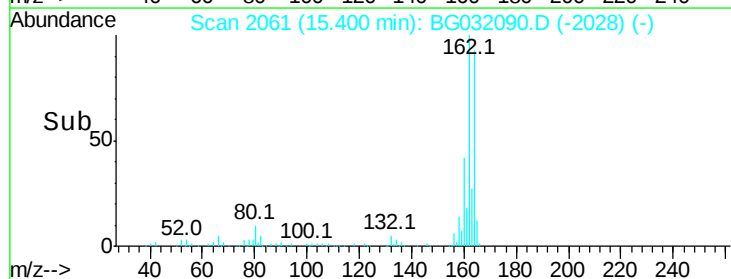
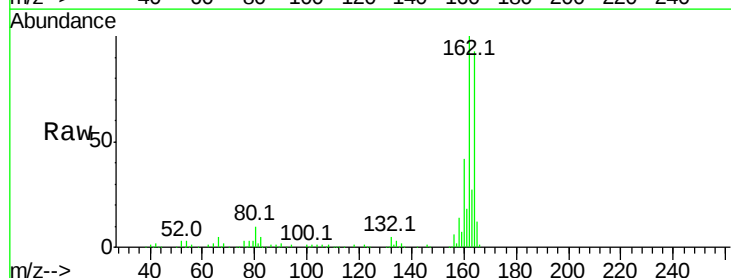
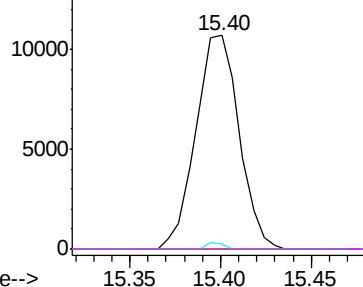
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.6	66.9	100.3#
182	0.0	2.6	3.8#

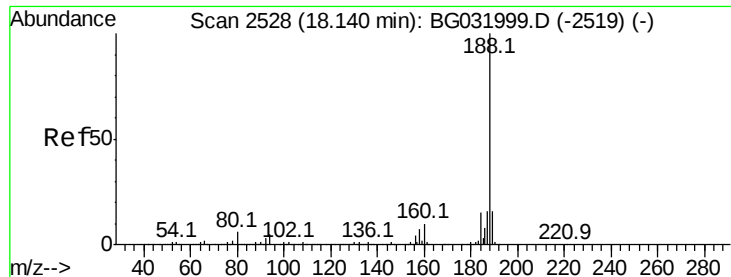
Abundance Ion 165.00 (164.70 to 165.70): E

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

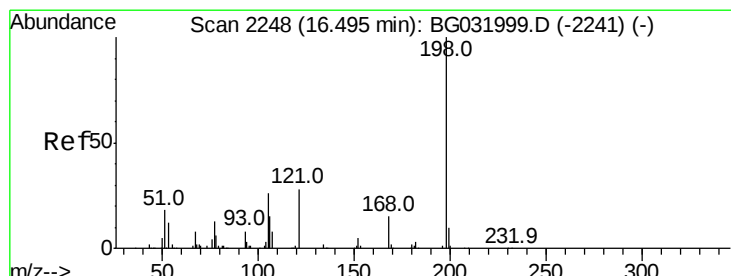
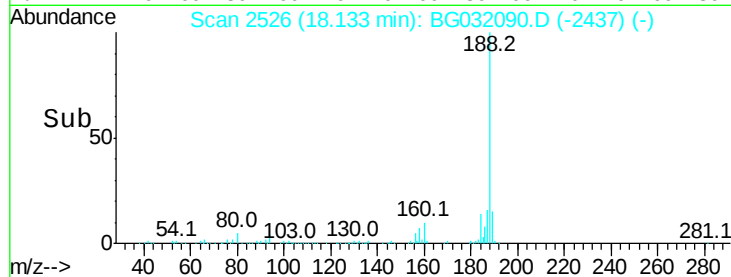
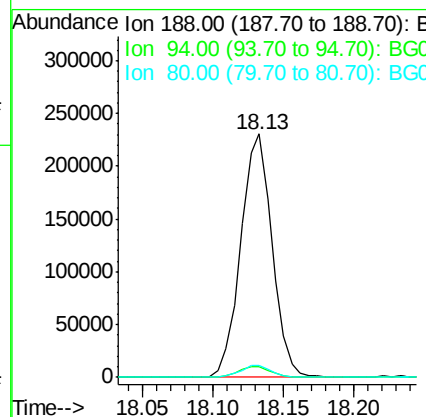
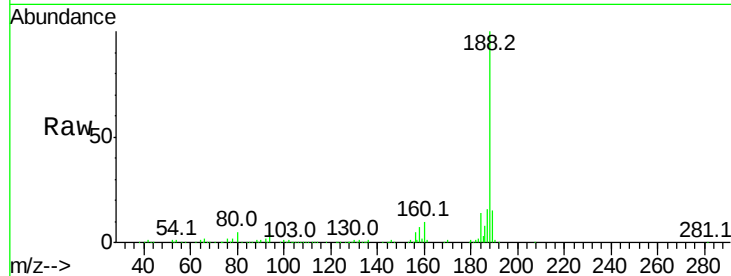




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

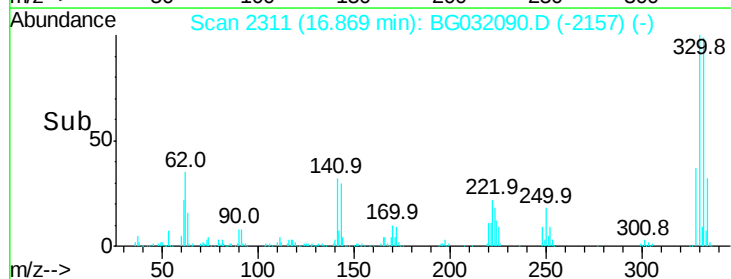
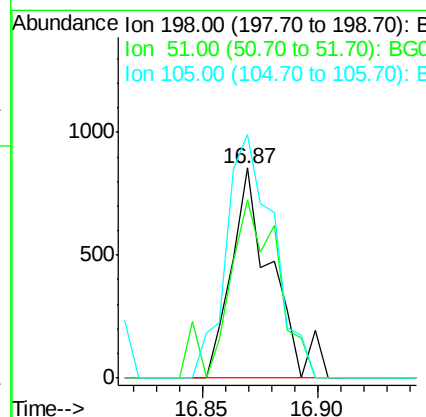
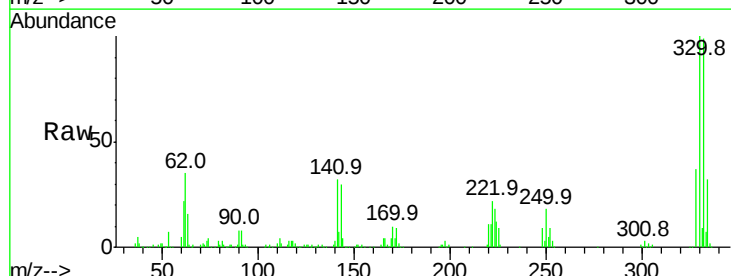
Instrument :
 BNA_G
 ClientSampleId :

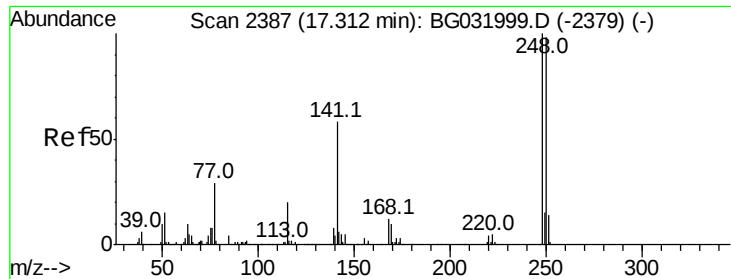
Tot Ion:188 Resp: 357180
 Ion Ratio Lower Upper
 188 100
 94 4.2 6.9 10.3#
 80 4.9 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.293 ng
 RT: 16.87 min Scan# 2311
 Delta R.T. 0.37 min
 Lab File: BG032090.D
 Acq: 17 Jan 2018 4:12

Tgt Ion:198 Resp: 1039
 Ion Ratio Lower Upper
 198 100
 51 84.6 30.6 70.6#
 105 115.9 23.8 63.8#

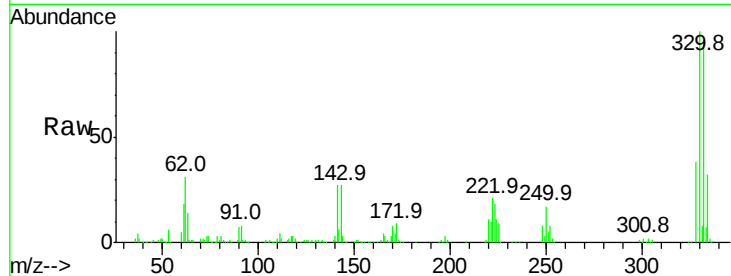




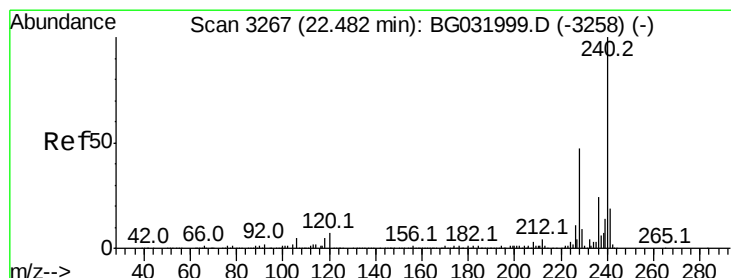
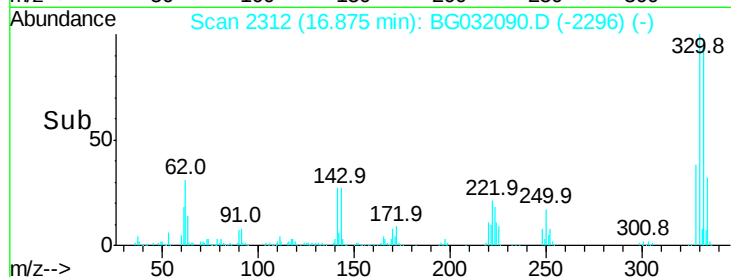
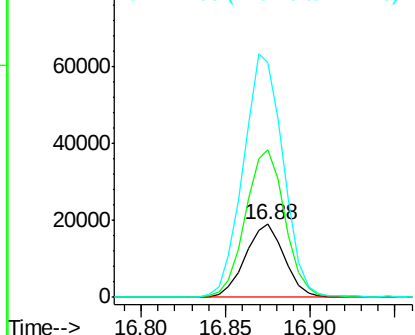
#66
4-Bromophenyl-phenylether
Concen: 5.981 ng
RT: 16.88 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 30397
Ion Ratio Lower Upper
248 100
250 202.1 77.1 115.7#
141 322.9 50.8 76.2#

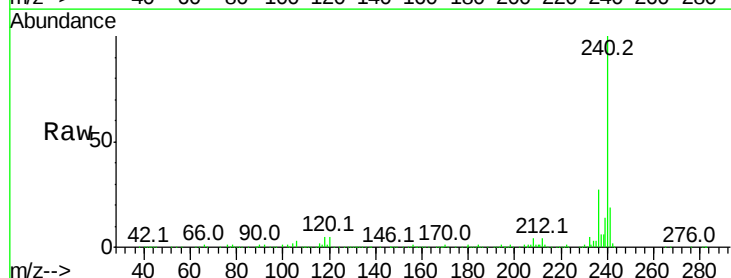


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

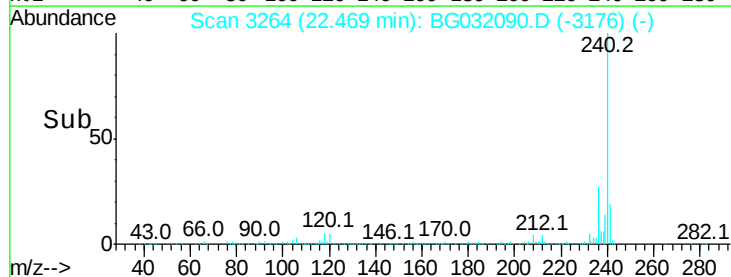
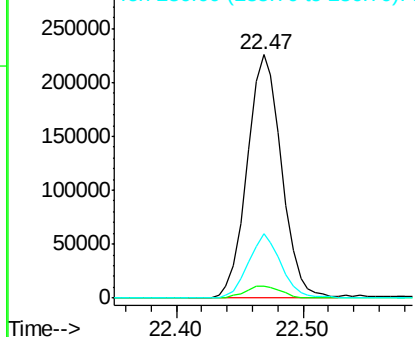


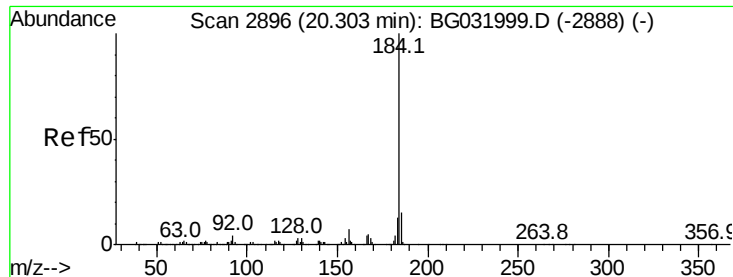
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3264
Delta R.T. -0.01 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Tgt Ion:240 Resp: 425925
Ion Ratio Lower Upper
240 100
120 5.1 6.8 10.2#
236 26.6 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: 2.747 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032090.D

Acq: 17 Jan 2018 4:12

Instrument :

BNA_G

ClientSampleId :

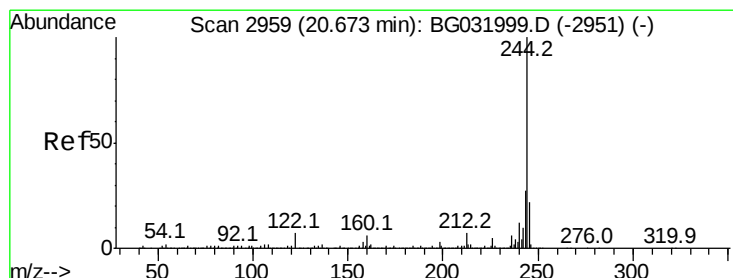
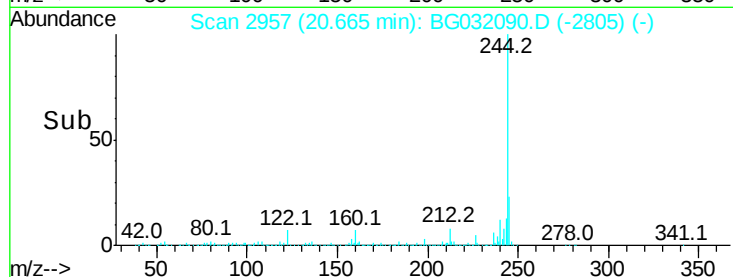
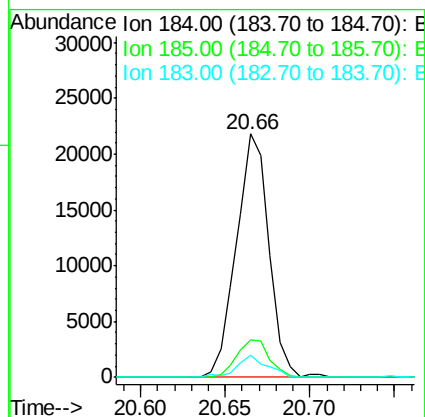
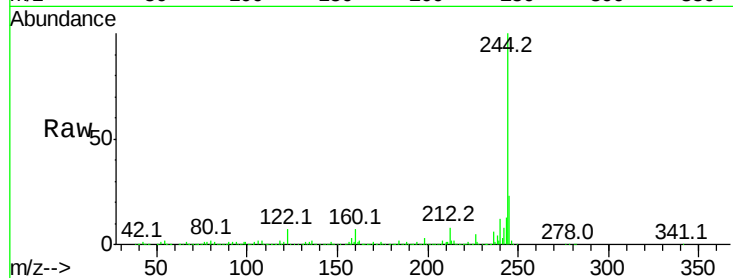
Tot Ion:184 Resp: 29257

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

183 9.3 10.6 16.0#



#78

Terphenyl-d14

Concen: 106.143 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032090.D

Acq: 17 Jan 2018 4:12

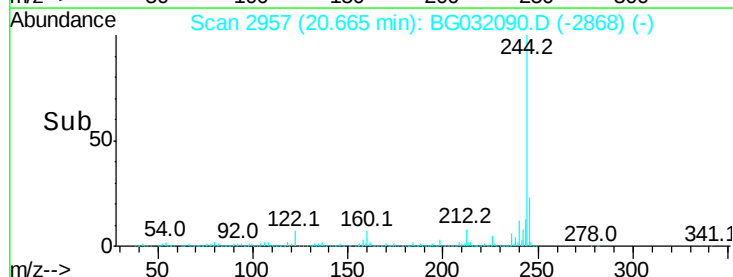
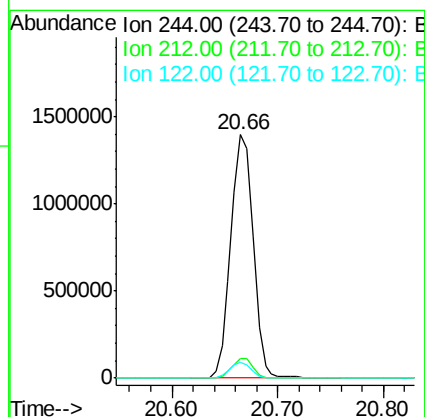
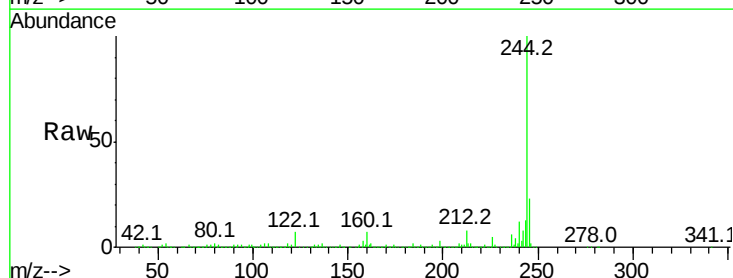
Tgt Ion:244 Resp: 2047468

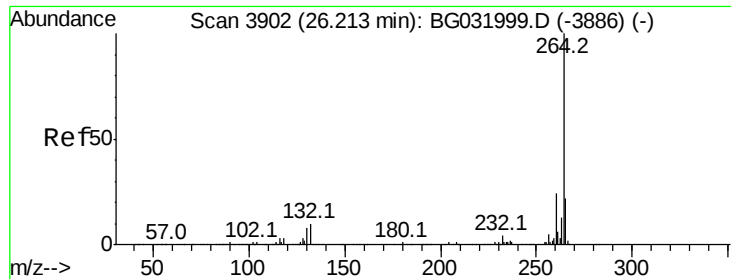
Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

122 6.7 7.0 10.4#

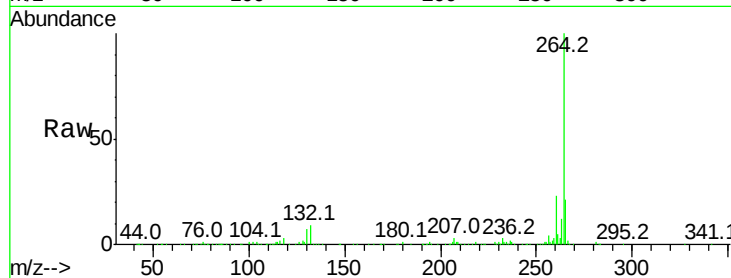




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.19 min Scan# 3897
Delta R.T. -0.03 min
Lab File: BG032090.D
Acq: 17 Jan 2018 4:12

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.4	26.0
265	21.2	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

