

Data Path : U:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032165.D
 Acq On : 19 Jan 2018 23:29
 Operator : SJ/JU
 Sample : J1189-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 20 01:01:43 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

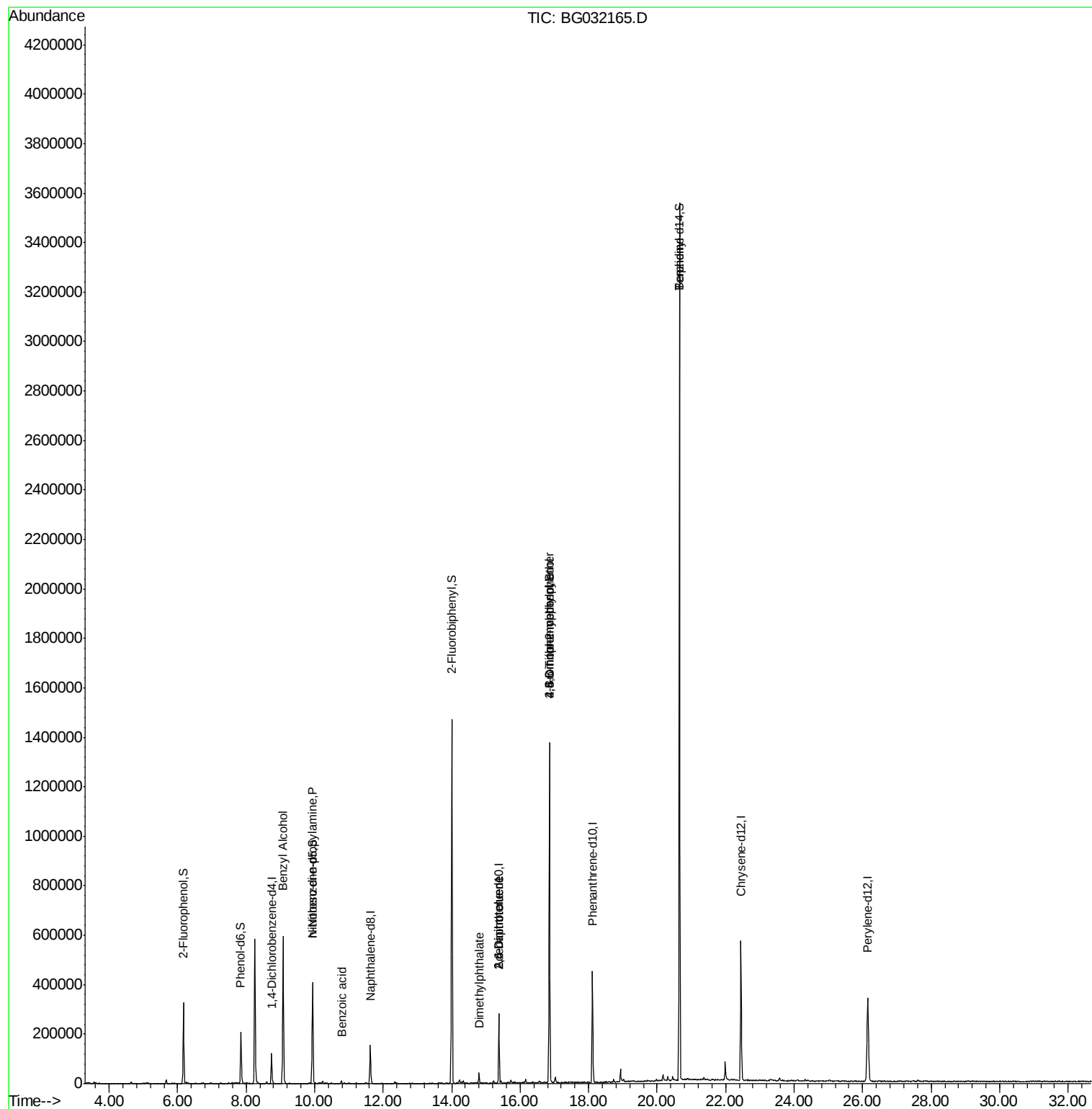
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	40054	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	156729	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	105817	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	308101	20.00	ng	0.00
75) Chrysene-d12	22.44	240	436964	20.00	ng	0.00
86) Perylene-d12	26.15	264	459323	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	166118	75.85	ng	0.00
7) Phenol-d6	7.84	99	127242	46.13	ng	0.00
23) Nitrobenzene-d5	9.94	82	261601	112.92	ng	0.00
41) 2,4,6-Tribromophenol	16.86	330	314355	179.53	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	884028	103.59	ng	0.00
78) Terphenyl-d14	20.65	244	1922417	97.14	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.08	79	4865	2.428	ng	# 28
19) n-Nitroso-di-n-propylamine	9.94	70	36459	21.304	ng	# 75
32) Benzoic acid	10.78	122	2804	6.689	ng	# 12
49) Dimethylphthalate	14.80	163	30690	3.314	ng	# 97
50) 2,6-Dinitrotoluene	15.38	165	14092	7.332	ng	# 19
56) 2,4-Dinitrotoluene	15.38	165	14092	5.446	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.86	198	801	5.249	ng	# 84
66) 4-Bromophenyl-phenylether	16.86	248	26040	5.940	ng	# 1
76) Benzidine	20.65	184	27767	2.541	ng	# 93

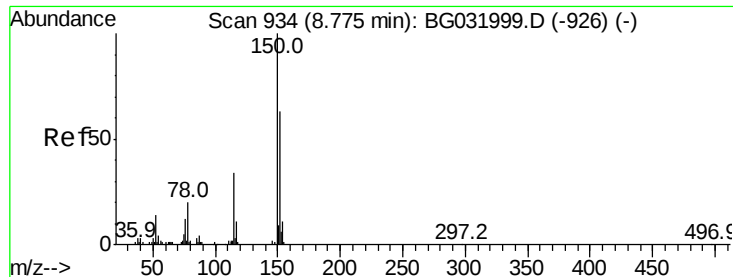
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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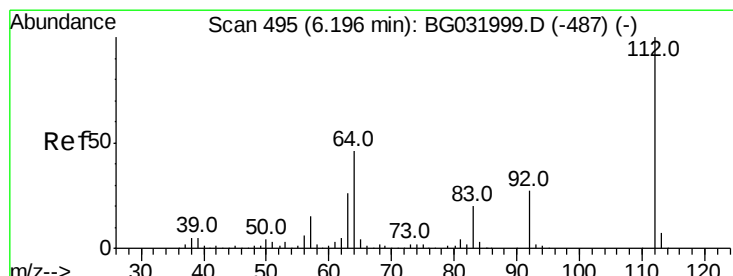
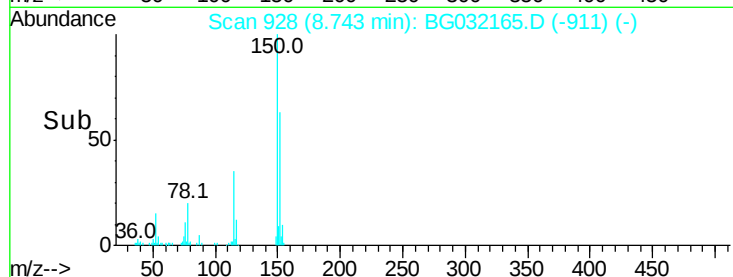
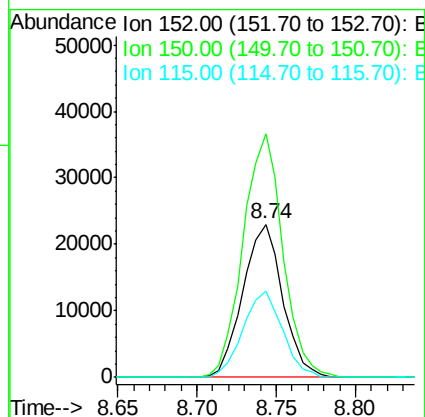
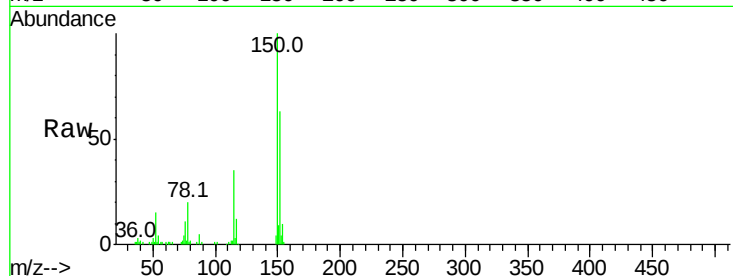


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. 0.00 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Instrument :
BNA_G
ClientSampleId :

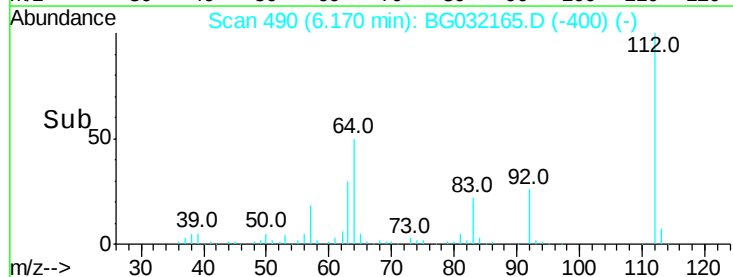
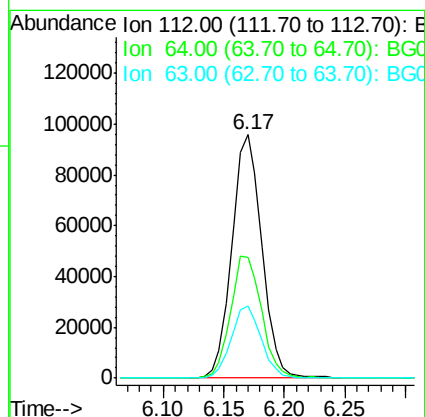
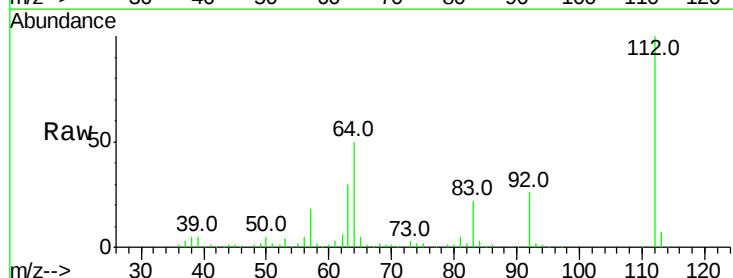
Tot Ion:152 Resp: 40054
Ion Ratio Lower Upper
152 100
150 159.3 126.6 189.8
115 56.0 53.0 79.4

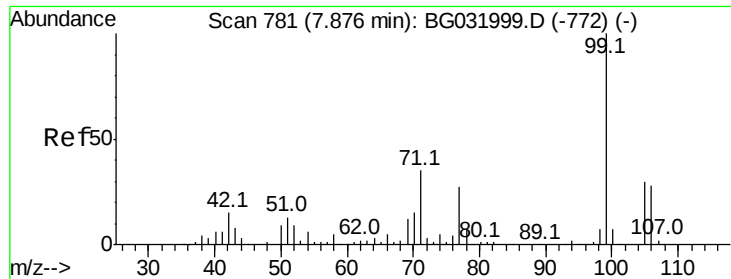


#5

2-Fluorophenol
Concen: 75.852 ng
RT: 6.17 min Scan# 490
Delta R.T. 0.00 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Tgt Ion:112 Resp: 166118
Ion Ratio Lower Upper
112 100
64 49.6 56.3 84.5#
63 29.6 30.1 45.1#





#7

Phenol-d6

Concen: 46.132 ng

RT: 7.84 min Scan# 775

Delta R.T. -0.00 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

Instrument :

BNA_G

ClientSampleId :

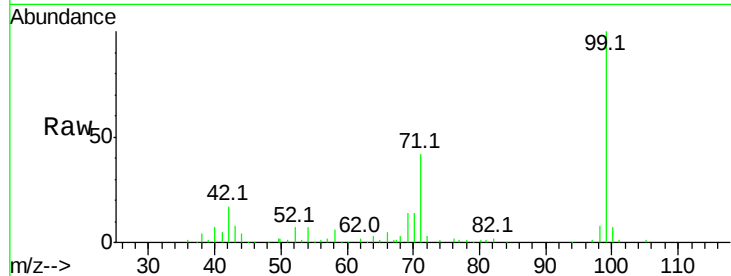
Tot Ion: 99 Resp: 127242

Ion Ratio Lower Upper

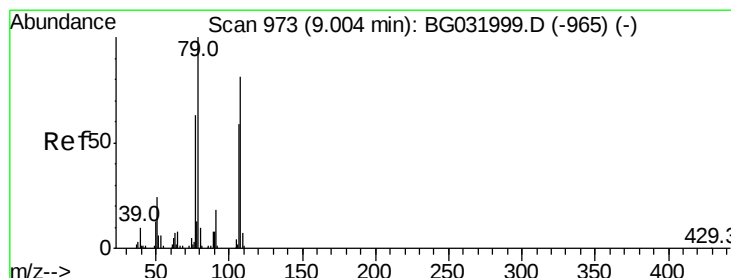
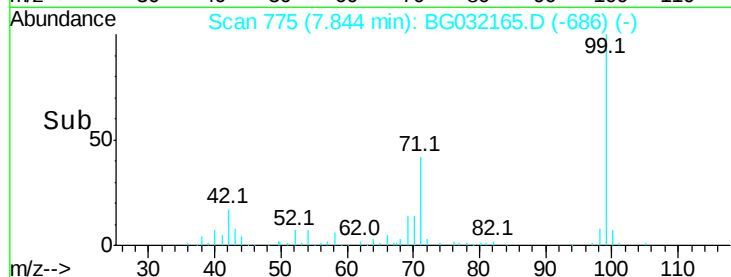
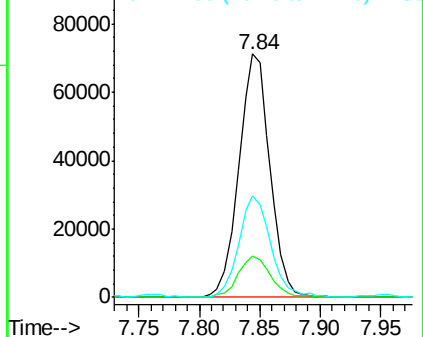
99 100

42 16.8 14.1 21.1

71 41.6 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



#15

Benzyl Alcohol

Concen: 2.428 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

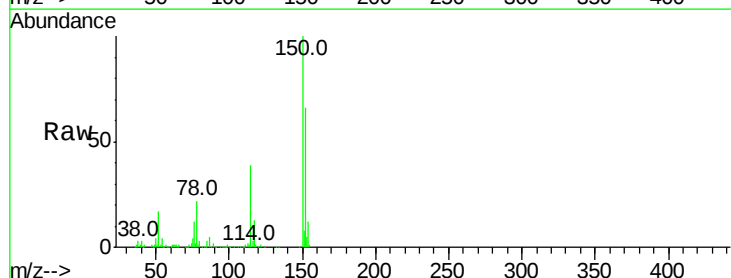
Tgt Ion: 79 Resp: 4865

Ion Ratio Lower Upper

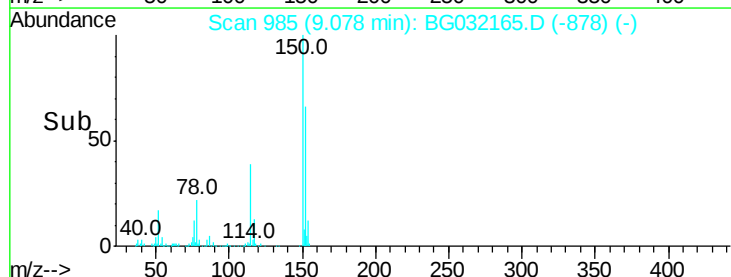
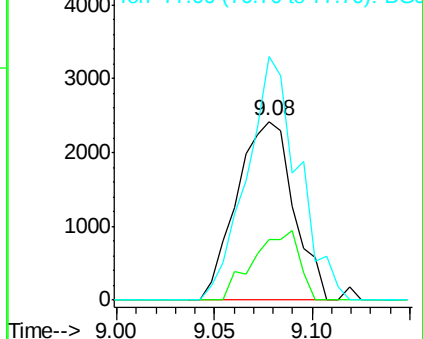
79 100

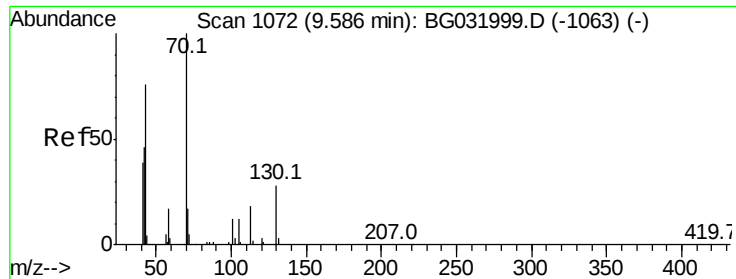
108 34.0 57.2 85.8#

77 136.2 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

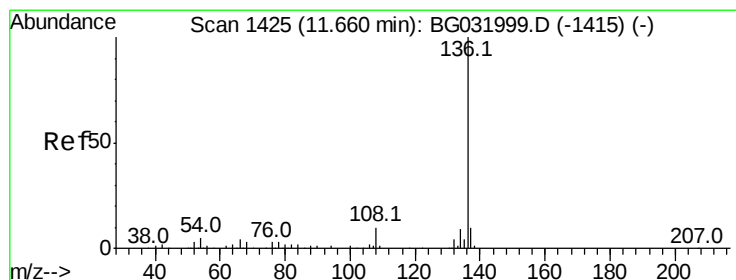
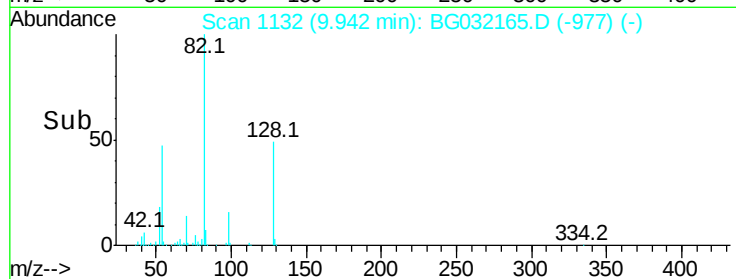
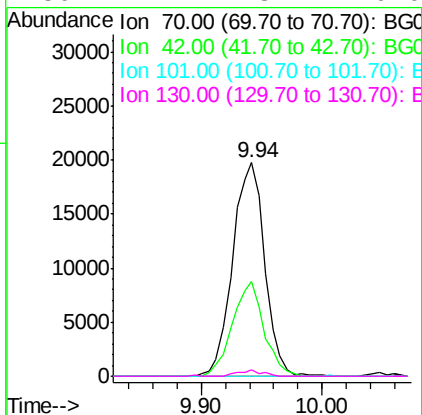
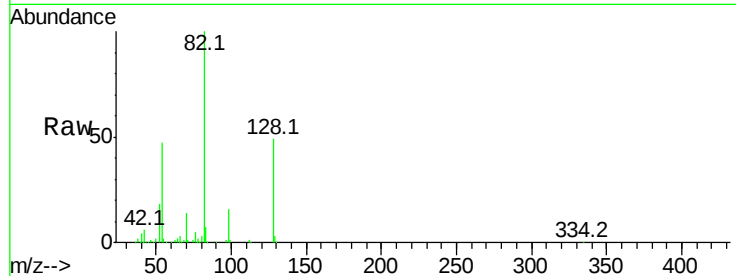




#19
n-Nitroso-di-n-propylamine
Concen: 21.304 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.38 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

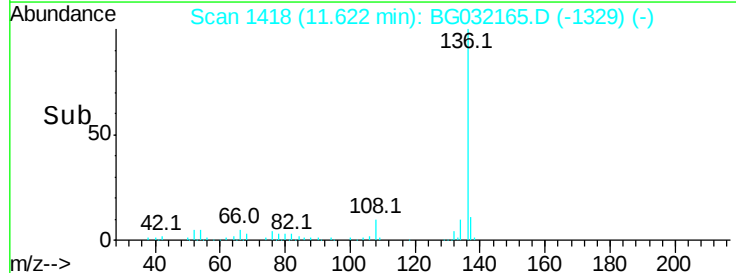
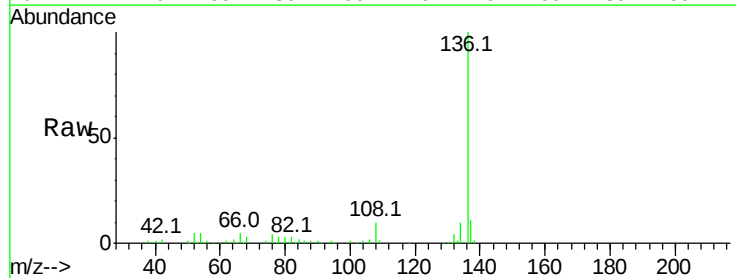
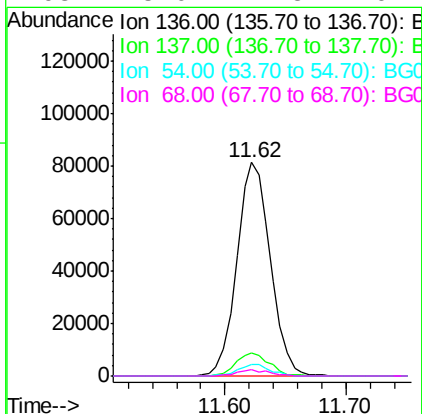
Instrument :
BNA_G
ClientSampleId :

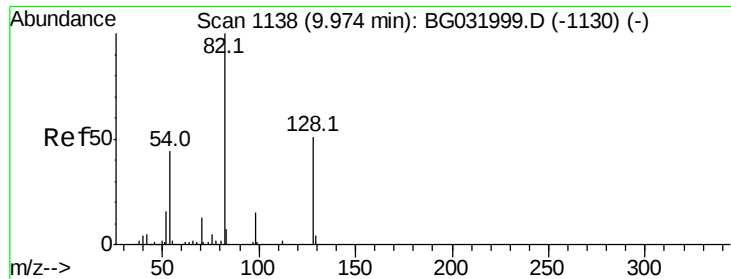
Tot Ion: 70 Resp: 36459
Ion Ratio Lower Upper
70 100
42 44.3 49.1 73.7#
101 0.0 8.5 12.7#
130 2.7 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Tgt Ion: 136 Resp: 156729
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 5.1 10.3 15.5#
68 3.0 4.5 6.7#

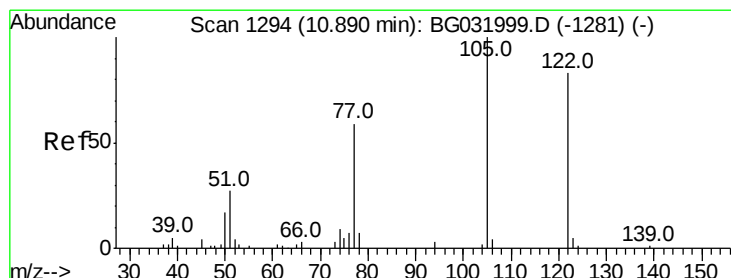
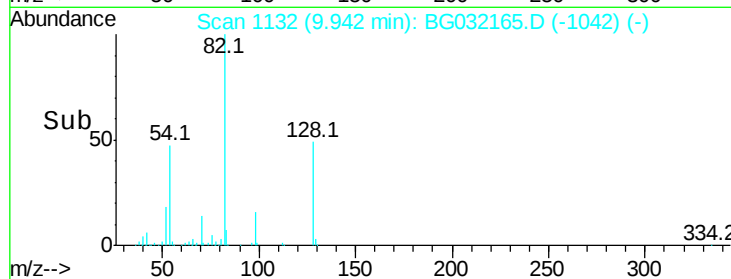
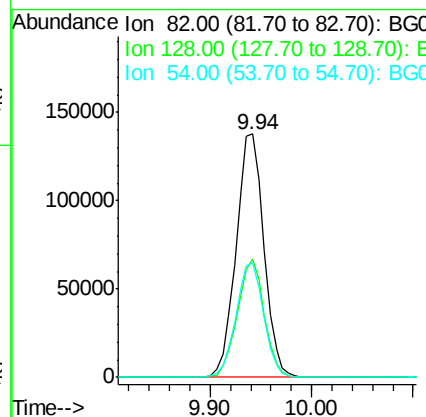
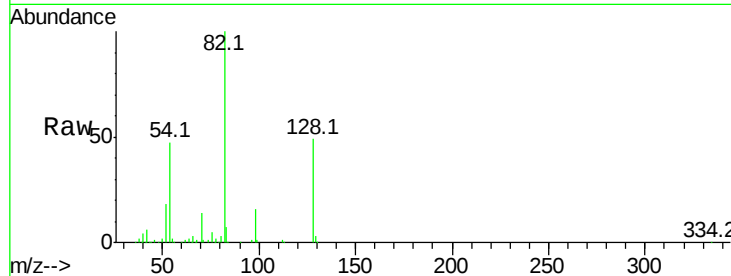




#23
Nitrobenzene-d5
Concen: 112.924 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

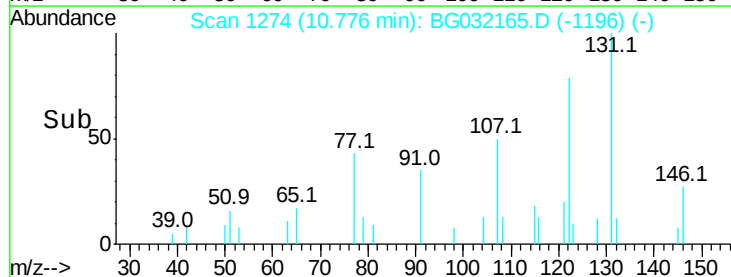
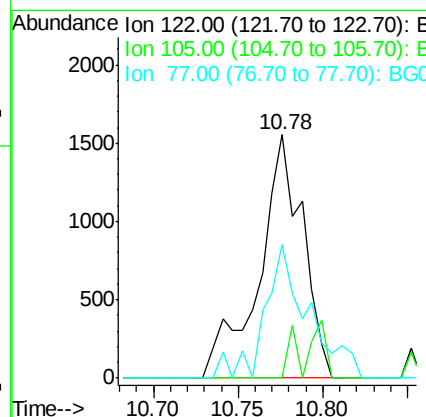
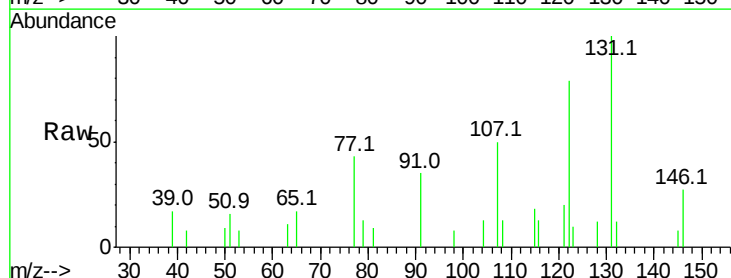
Instrument :
BNA_G
ClientSampled :

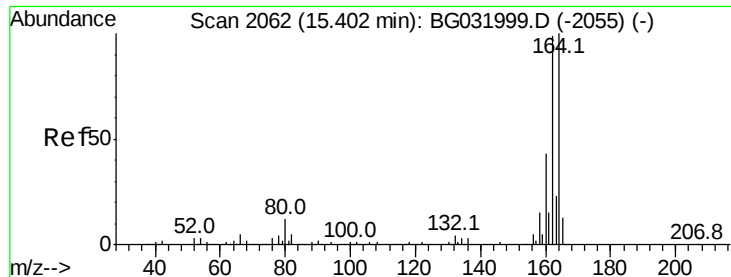
Tot Ion	82	Resp	261601
Ion	Ratio	Lower	Upper
82	100		
128	48.7	29.7	44.5#
54	47.0	43.1	64.7



#32
Benzoic acid
Concen: 6.689 ng
RT: 10.78 min Scan# 1274
Delta R.T. -0.07 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Tgt Ion	122	Resp	2804
Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	54.7	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

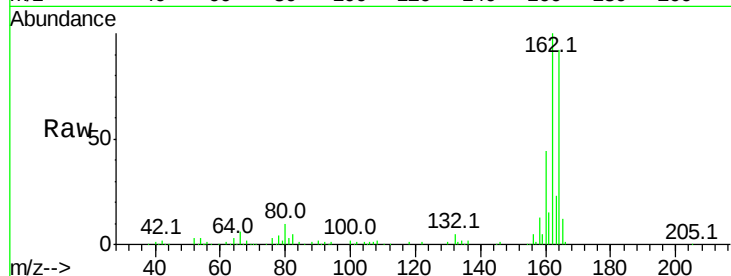
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 105817

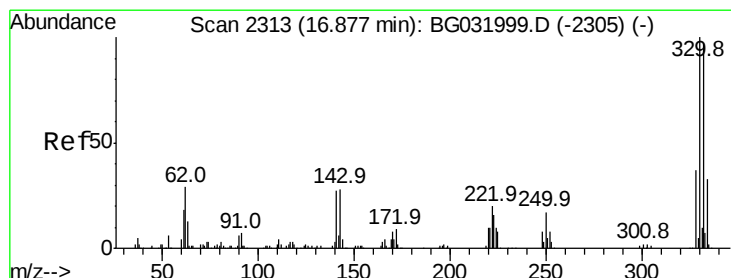
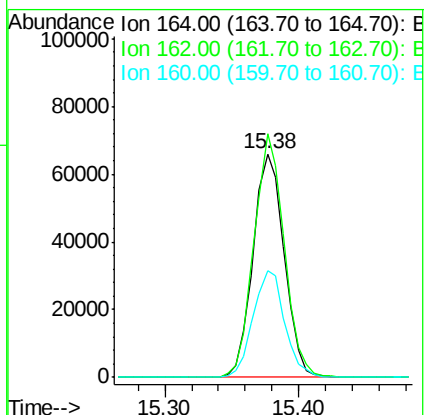
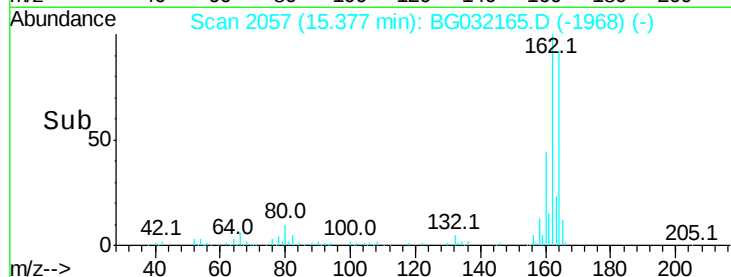
Ion	Ratio	Lower	Upper
164	100		
162	108.8	78.8	118.2
160	47.4	35.4	53.0



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: 179.526 ng

RT: 16.86 min Scan# 2309

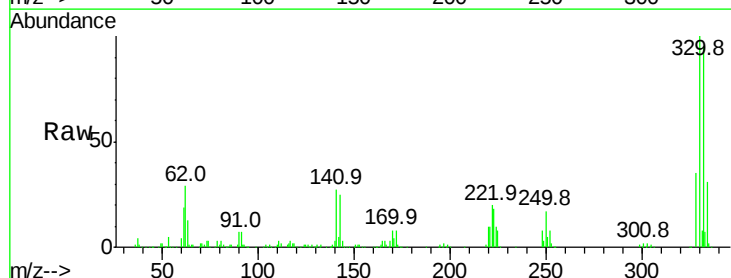
Delta R.T. 0.00 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

Tgt Ion:330 Resp: 314355

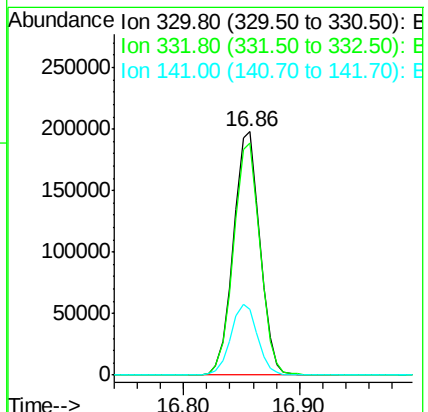
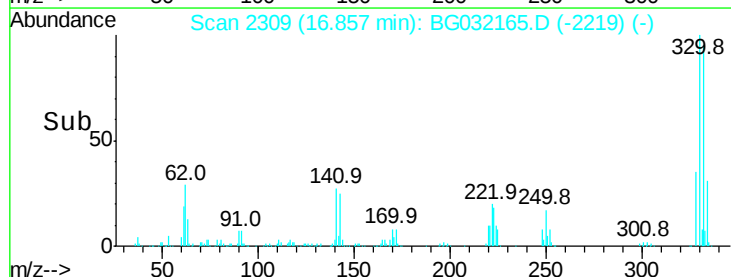
Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	29.4	25.2	37.8

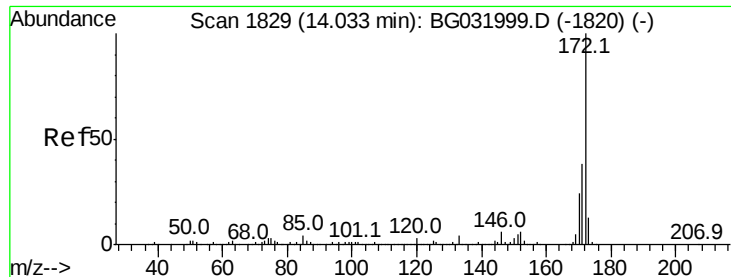


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

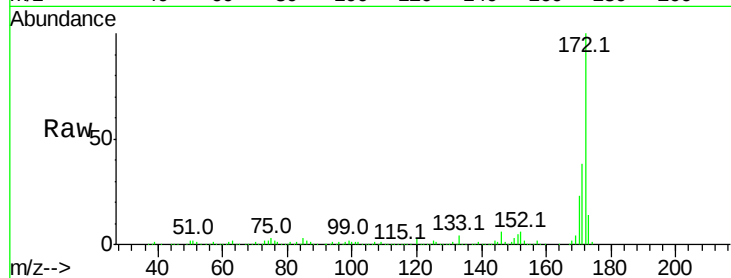




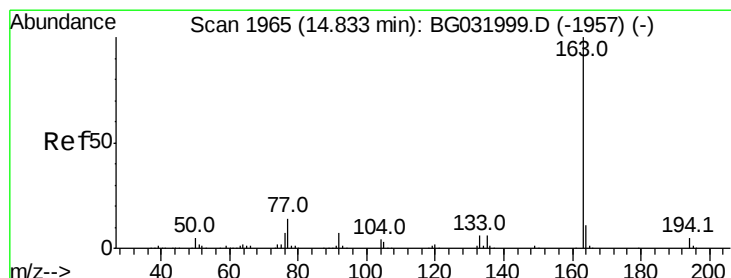
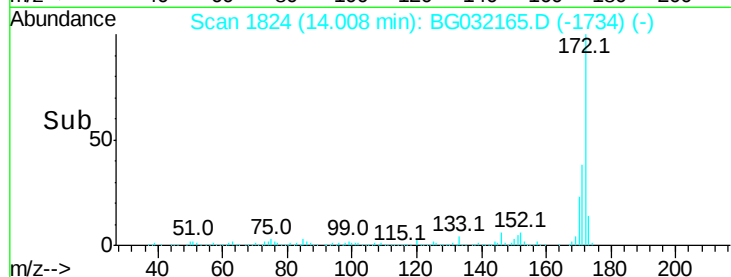
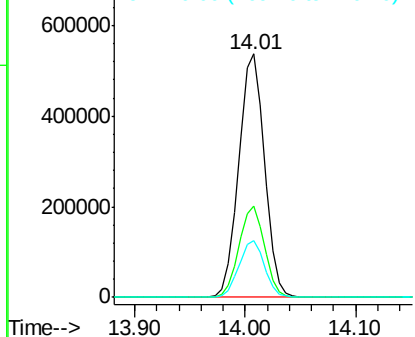
#44
2-Fluorobiphenyl
Concen: 103.589 ng
RT: 14.01 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 884028
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.3 19.5 29.3

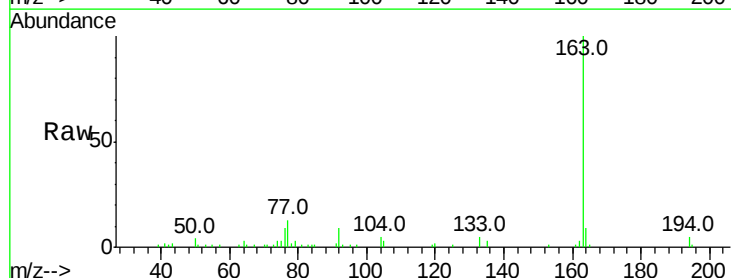


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

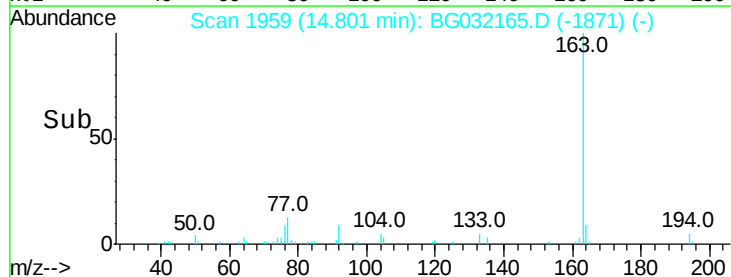
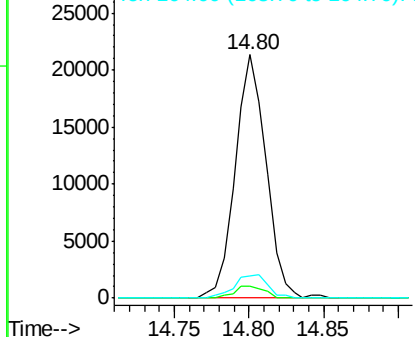


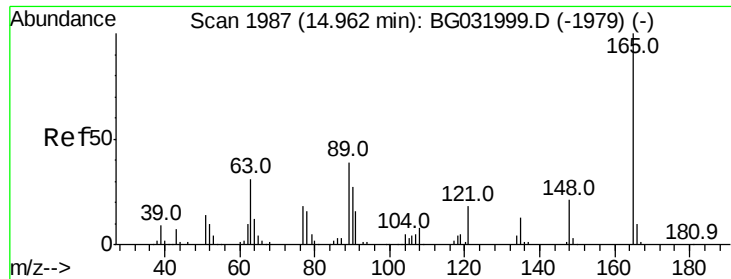
#49
Dimethylphthalate
Concen: 3.314 ng
RT: 14.80 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Tgt Ion:163 Resp: 30690
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.2
164 9.0 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

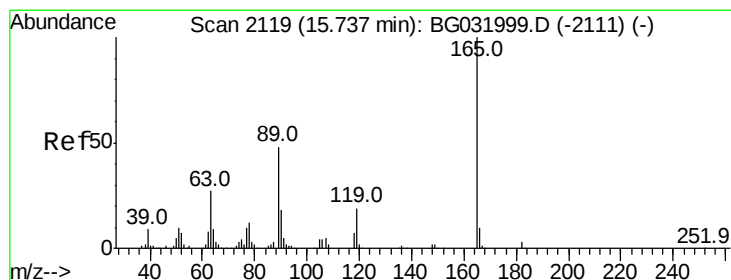
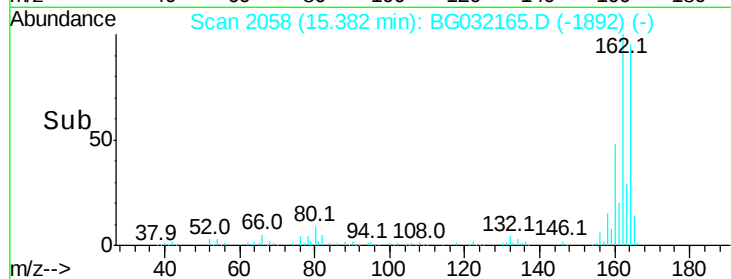
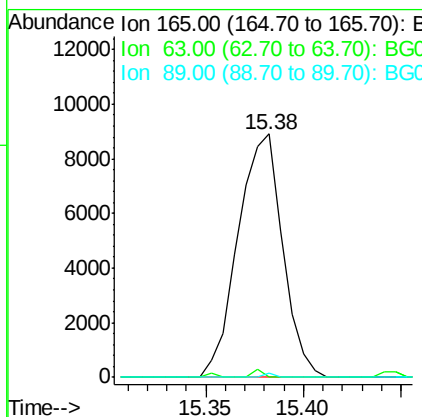
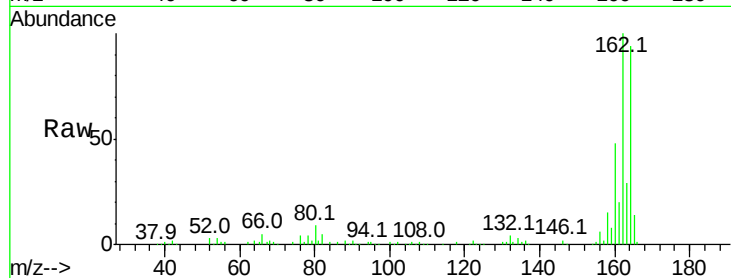




#50
 2,6-Dinitrotoluene
 Concen: 7.332 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. 0.45 min
 Lab File: BG032165.D
 Acq: 19 Jan 2018 23:29

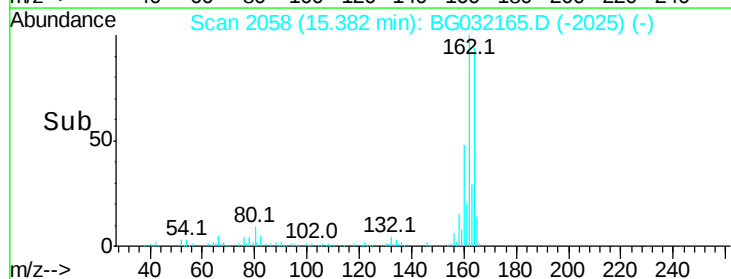
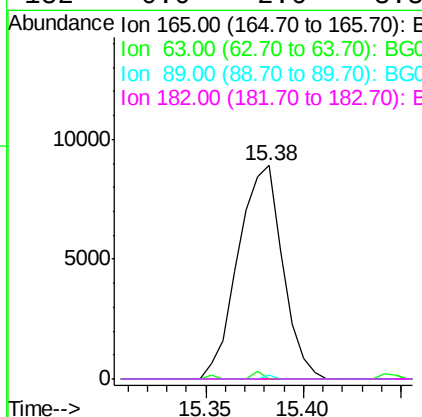
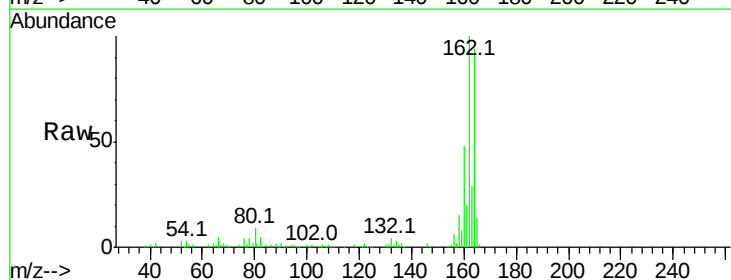
Instrument :
 BNA_G
 ClientSampleId :

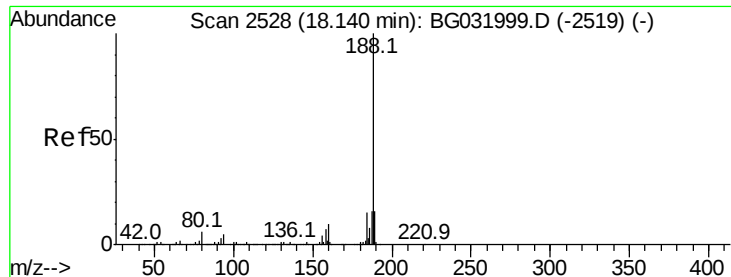
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.446 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.33 min
 Lab File: BG032165.D
 Acq: 19 Jan 2018 23:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.11 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

Instrument :

BNA_G

ClientSampleId :

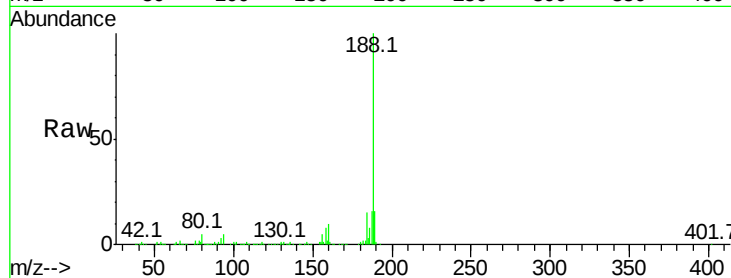
Tot Ion:188 Resp: 308101

Ion Ratio Lower Upper

188 100

94 4.6 6.9 10.3#

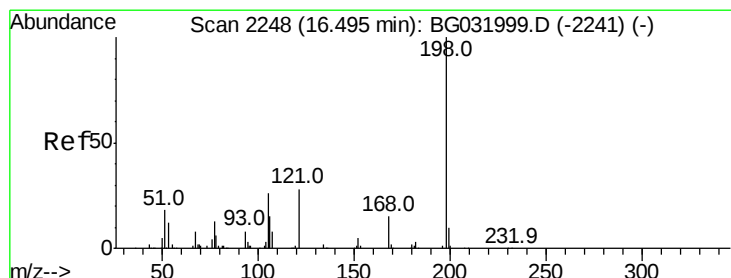
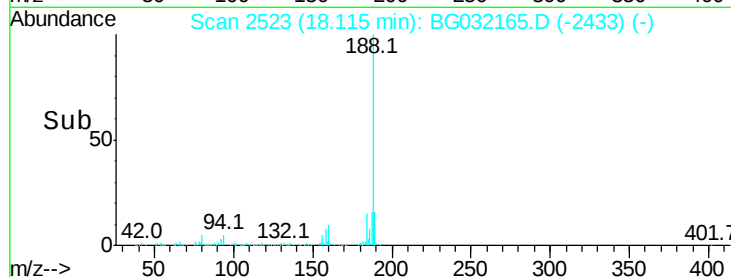
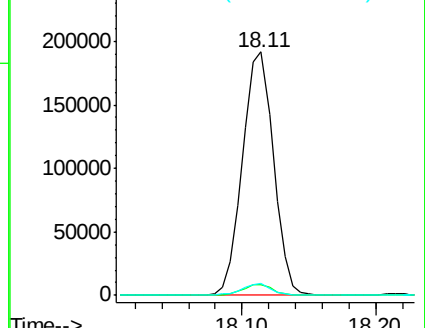
80 4.9 7.7 11.5#



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: 5.249 ng

RT: 16.86 min Scan# 2309

Delta R.T. 0.38 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

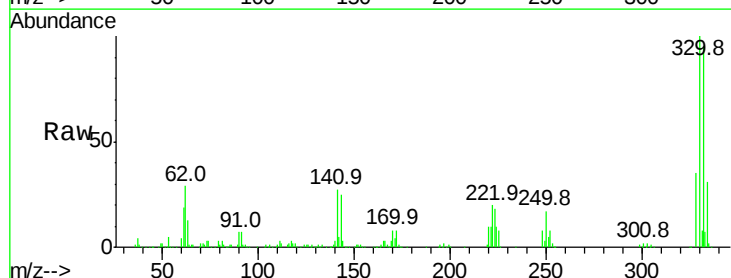
Tgt Ion:198 Resp: 801

Ion Ratio Lower Upper

198 100

51 51.5 30.6 70.6

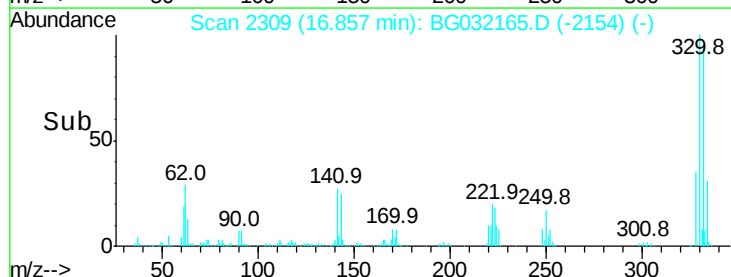
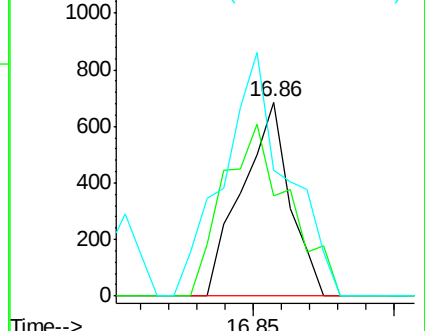
105 65.0 23.8 63.8#

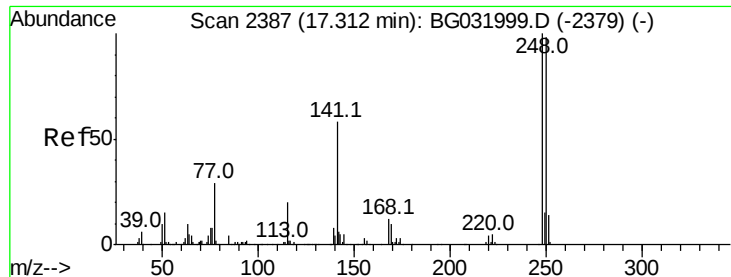


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

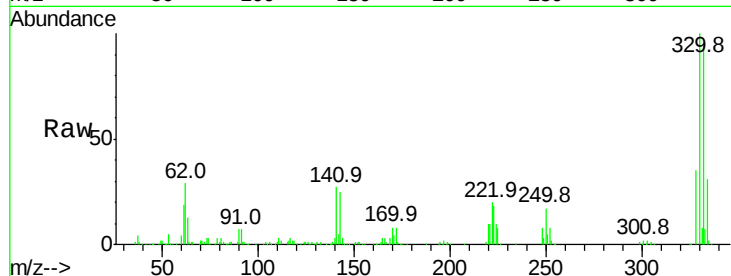




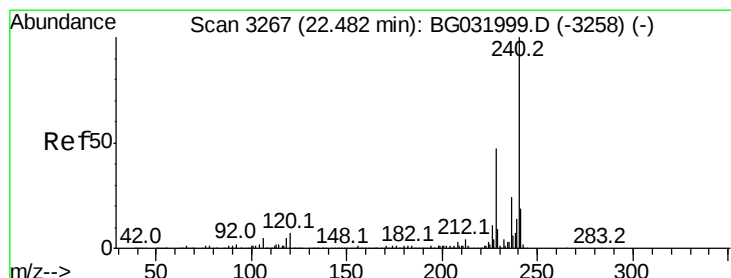
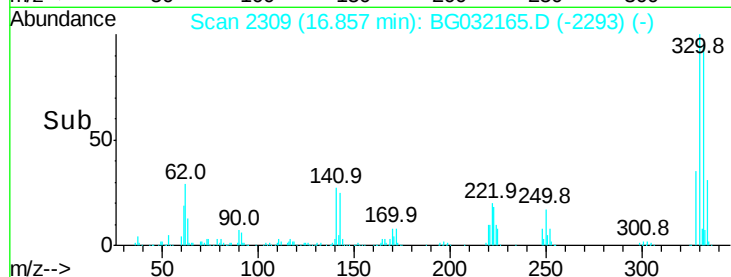
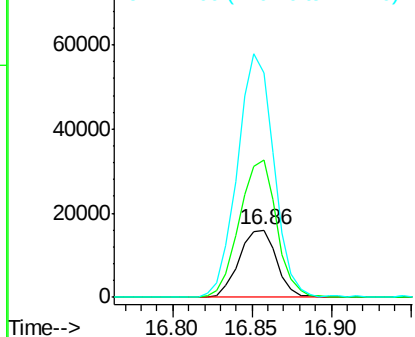
#66
 4-Bromophenyl-phenylether
 Concen: 5.940 ng
 RT: 16.86 min Scan# 2309
 Delta R.T. -0.43 min
 Lab File: BG032165.D
 Acq: 19 Jan 2018 23:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 26040
 Ion Ratio Lower Upper
 248 100
 250 204.6 77.1 115.7#
 141 333.5 50.8 76.2#

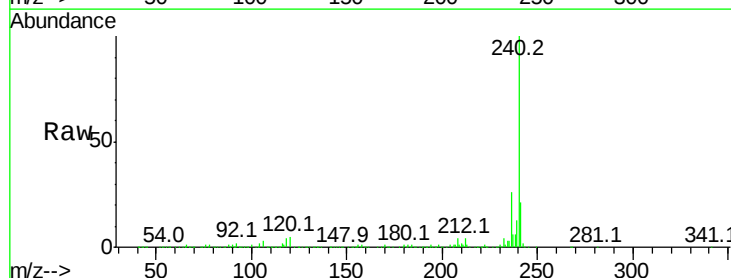


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

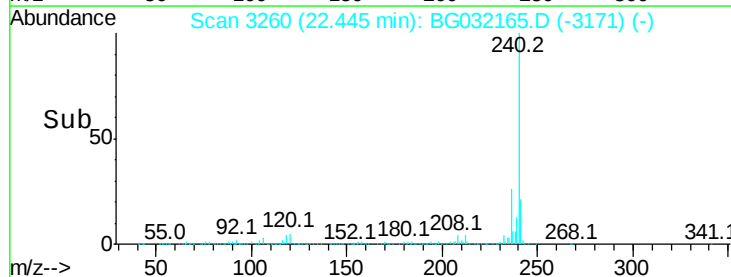
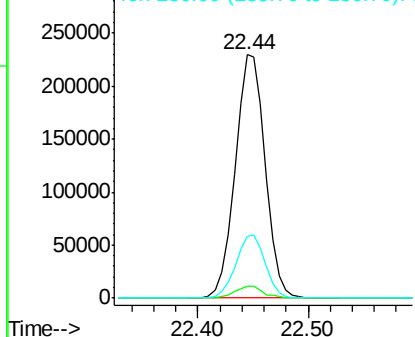


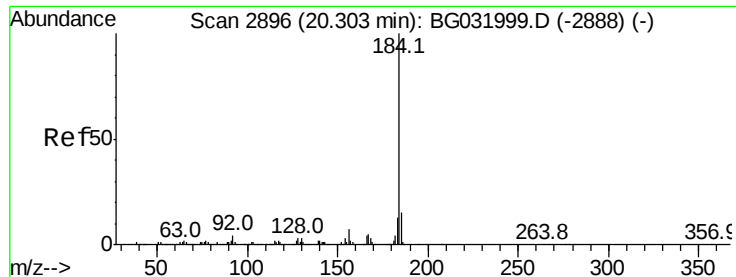
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.44 min Scan# 3260
 Delta R.T. -0.00 min
 Lab File: BG032165.D
 Acq: 19 Jan 2018 23:29

Tgt Ion:240 Resp: 436964
 Ion Ratio Lower Upper
 240 100
 120 4.7 6.8 10.2#
 236 25.7 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: 2.541 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.38 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

Instrument :

BNA_G

ClientSampled :

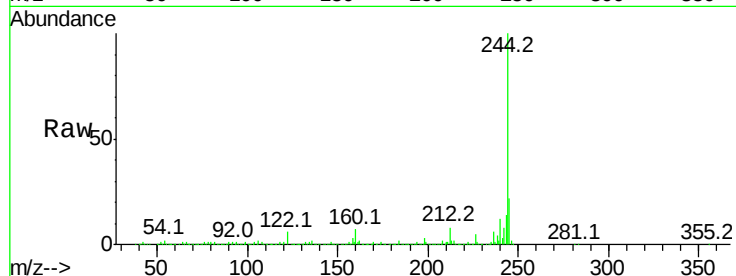
Tot Ion:184 Resp: 27767

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

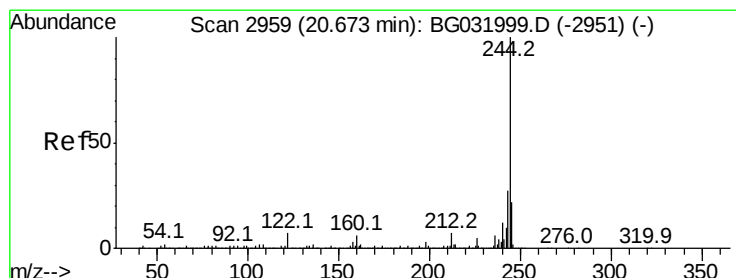
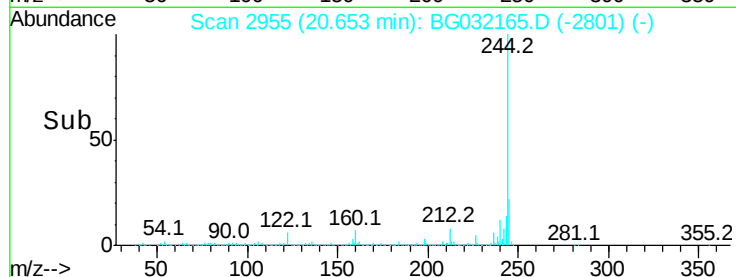
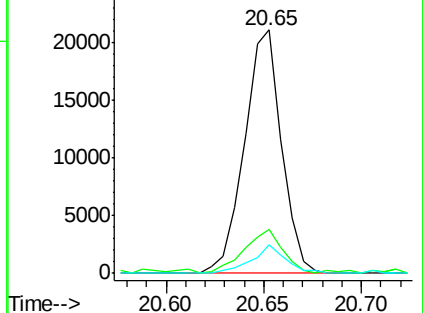
183 11.6 10.6 16.0



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: 97.143 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.00 min

Lab File: BG032165.D

Acq: 19 Jan 2018 23:29

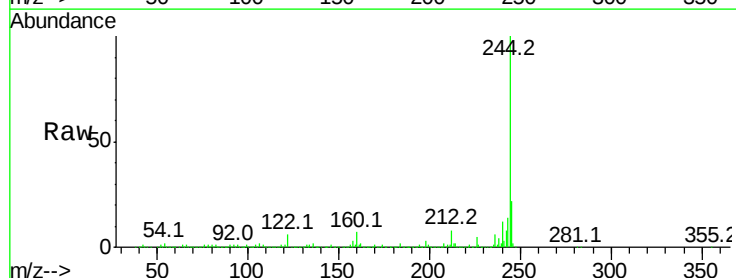
Tgt Ion:244 Resp: 1922417

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

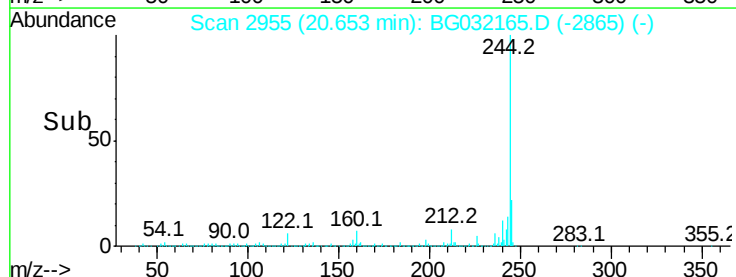
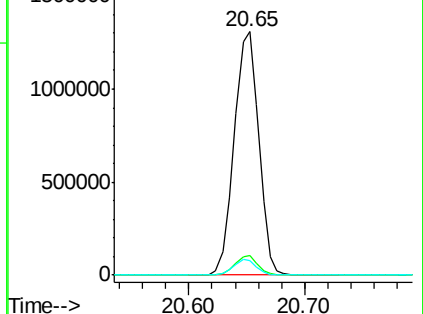
122 6.1 7.0 10.4#

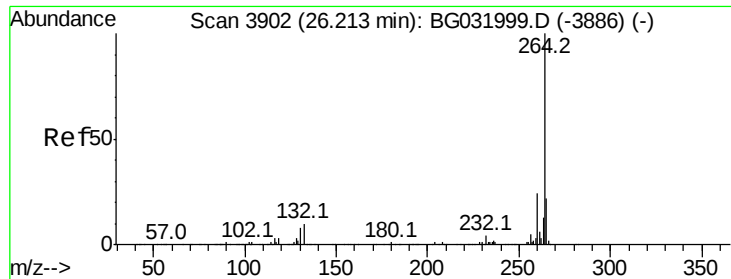


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.15 min Scan# 3891
Delta R.T. 0.00 min
Lab File: BG032165.D
Acq: 19 Jan 2018 23:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	20.7	17.7	26.5

