

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\
 Data File : BG032239.D
 Acq On : 23 Jan 2018 19:47
 Operator : SJ/JU
 Sample : J1230-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 24 02:59:25 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	8.73	152	40586	20.00	ng	-0.01
21) Naphthalene-d8	11.61	136	172049	20.00	ng	-0.02
38) Acenaphthene-d10	15.36	164	121772	20.00	ng	-0.02
63) Phenanthrene-d10	18.10	188	302709	20.00	ng	-0.02
75) Chrysene-d12	22.43	240	392841	20.00	ng	-0.02
86) Perylene-d12	26.12	264	413051	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	133331	60.08	ng	-0.01
7) Phenol-d6	7.84	99	111625	39.94	ng	-0.01
23) Nitrobenzene-d5	9.92	82	247027	97.14	ng	-0.02
41) 2,4,6-Tribromophenol	16.84	330	171579	85.15	ng	-0.02
44) 2-Fluorobiphenyl	13.99	172	892828	90.91	ng	-0.02
78) Terphenyl-d14	20.63	244	1670527	93.90	ng	-0.02

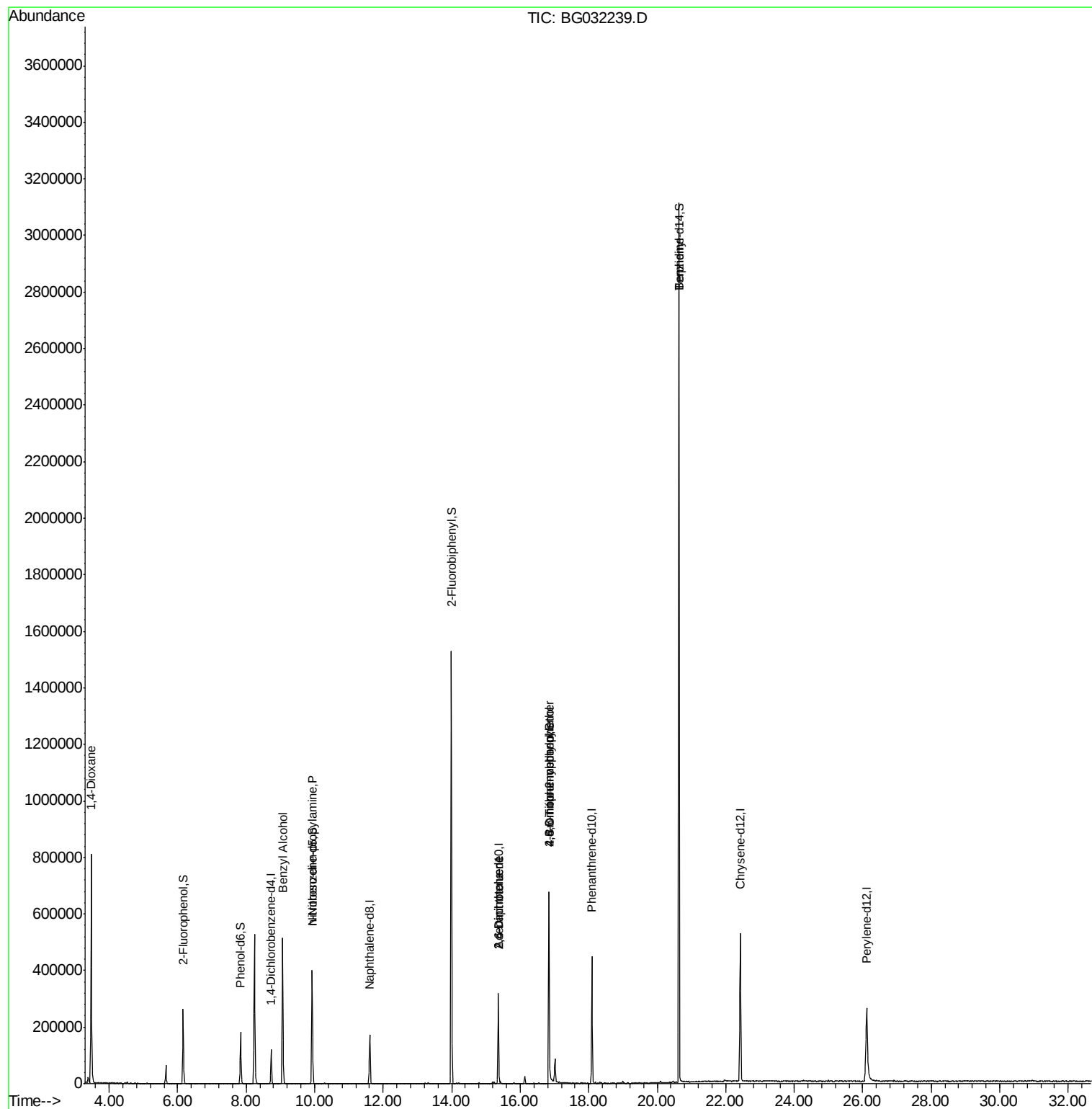
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	8349	9.793	ng	# 1
15) Benzyl Alcohol	9.07	79	4322	2.129	ng	# 21
19) n-Nitroso-di-n-propylamine	9.93	70	36399	20.990	ng	# 73
50) 2,6-Dinitrotoluene	15.36	165	15829	7.157	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	15829	5.316	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.84	198	283	5.016	ng	# 1
66) 4-Bromophenyl-phenylether	16.84	248	14987	3.480	ng	# 1
76) Benzidine	20.63	184	24517	2.496	ng	# 94

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

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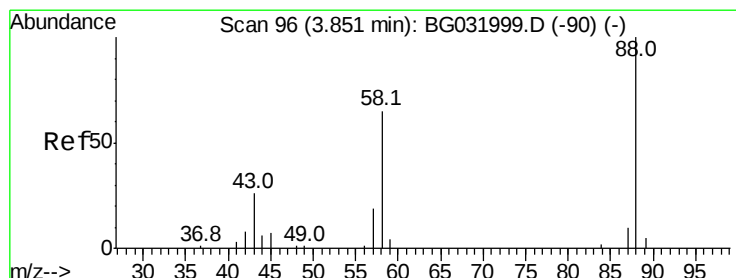
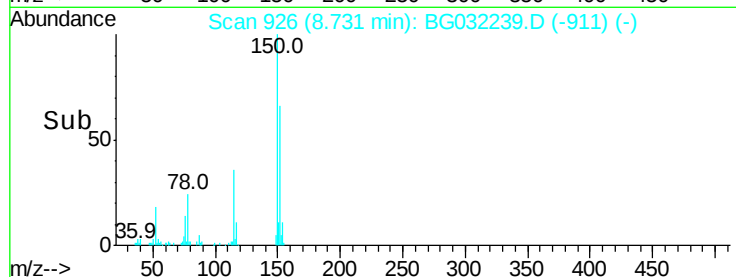
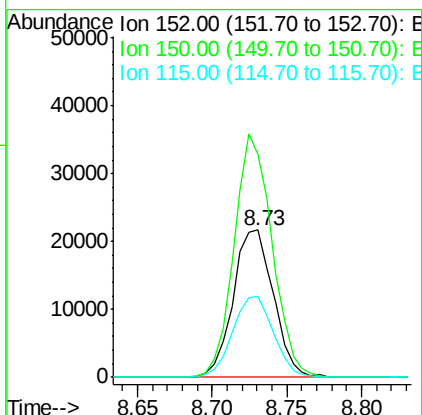
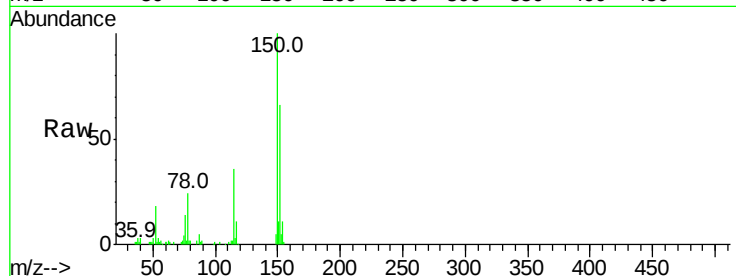


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.73 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG032239.D
Acq: 23 Jan 2018 19:47

Instrument :
BNA_G
ClientSampleId :

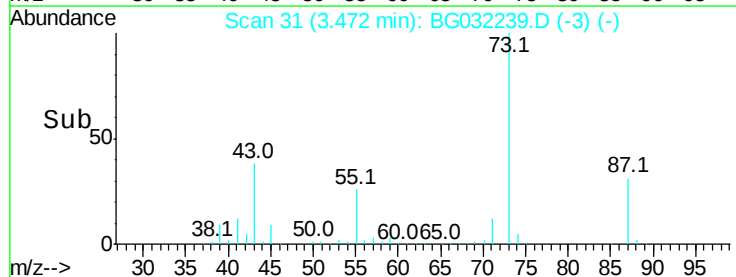
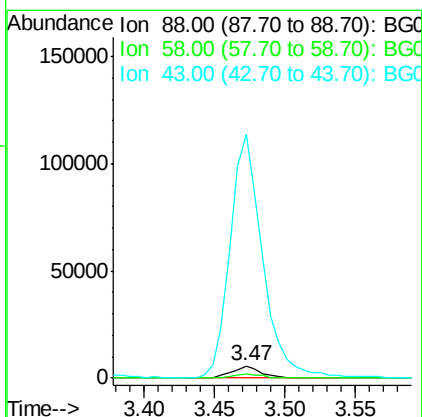
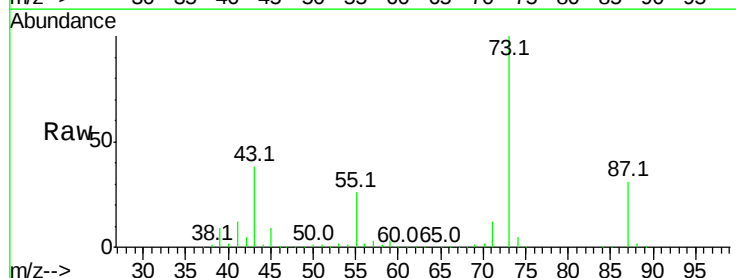
Tot Ion:152 Resp: 40586
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 54.9 53.0 79.4

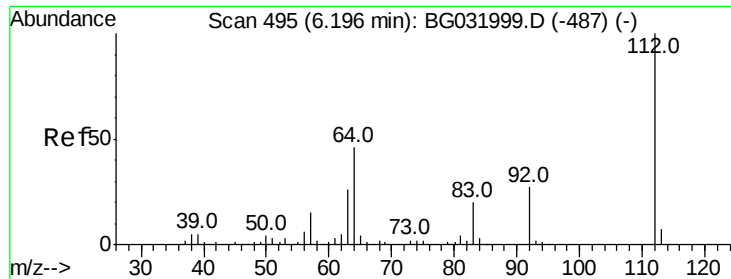


#2

1,4-Dioxane
Concen: 9.793 ng
RT: 3.47 min Scan# 31
Delta R.T. -0.36 min
Lab File: BG032239.D
Acq: 23 Jan 2018 19:47

Tgt Ion: 88 Resp: 8349
Ion Ratio Lower Upper
88 100
58 37.7 79.6 119.4#
43 2190.8 27.4 41.0#





#5

2-Fluorophenol

Concen: 60.083 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BG032239.D

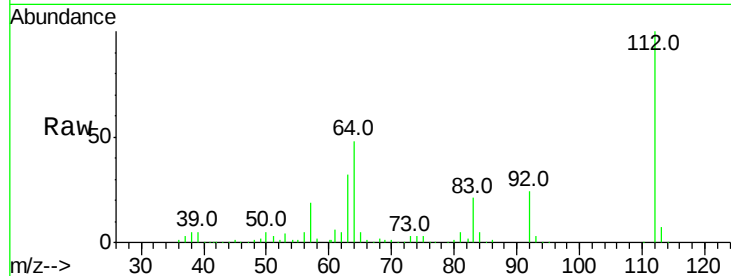
Acq: 23 Jan 2018 19:47

Instrument :

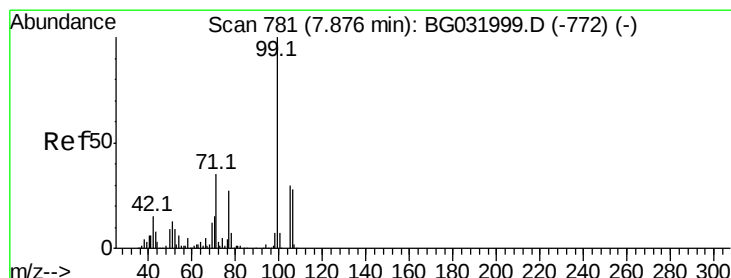
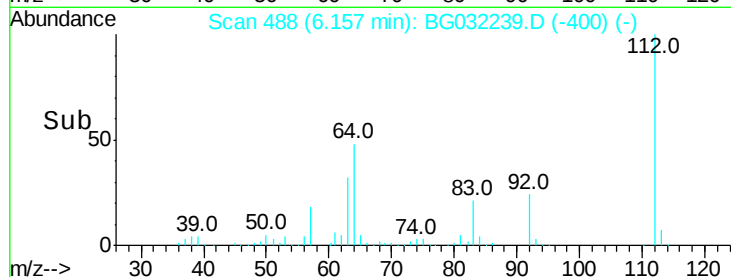
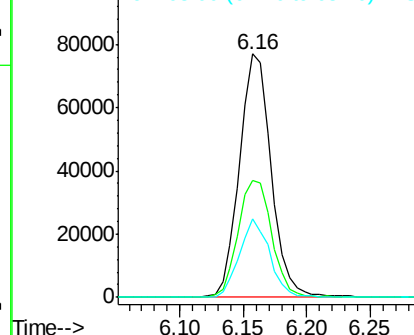
BNA_G

ClientSampleId :

Tot Ion:	112	Resp:	133331
Ion	Ratio	Lower	Upper
112	100		
64	47.9	56.3	84.5#
63	32.1	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 39.940 ng

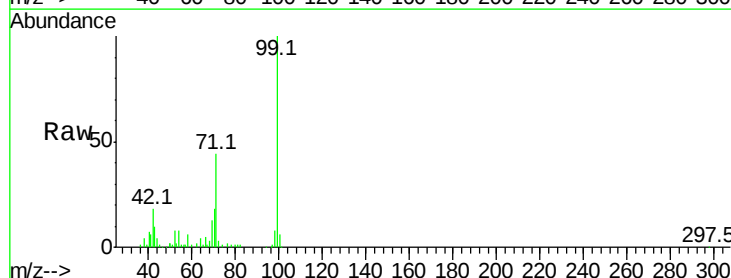
RT: 7.84 min Scan# 774

Delta R.T. -0.01 min

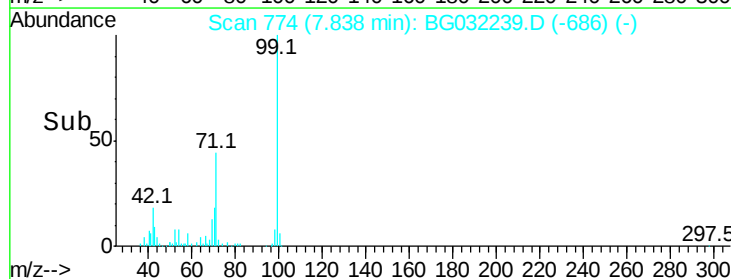
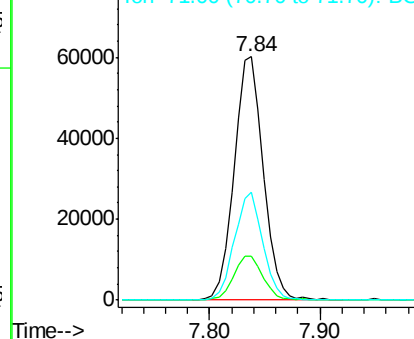
Lab File: BG032239.D

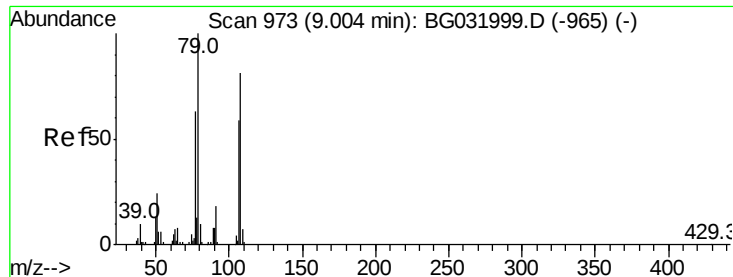
Acq: 23 Jan 2018 19:47

Tgt Ion:	99	Resp:	111625
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.1	21.1
71	44.4	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: 2.129 ng

RT: 9.07 min Scan# 984

Delta R.T. 0.09 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

Instrument :

BNA_G

ClientSampleId :

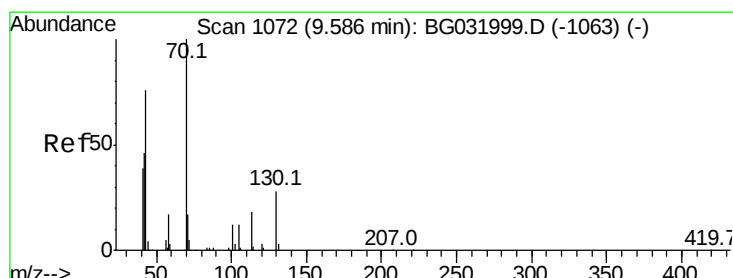
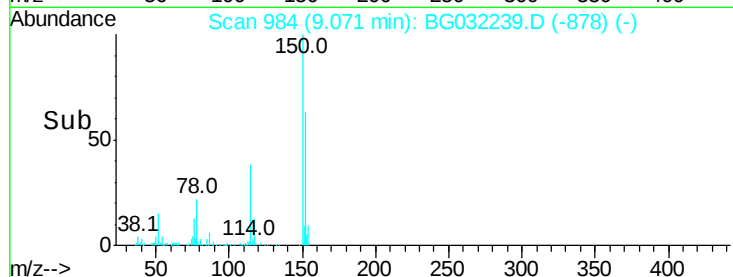
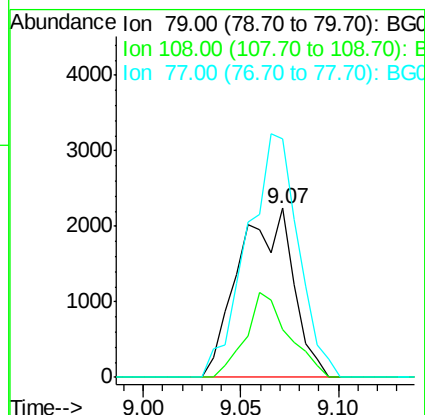
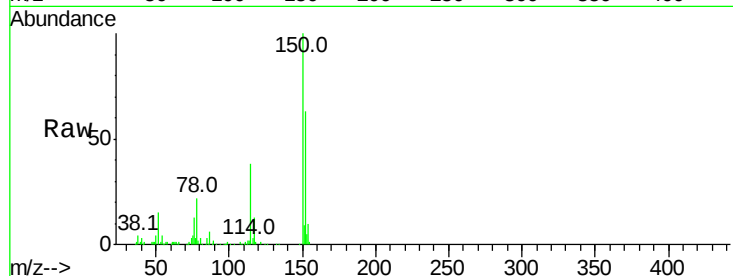
Tot Ion: 79 Resp: 4322

Ion Ratio Lower Upper

79 100

108 28.4 57.2 85.8#

77 141.0 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.990 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.37 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

Tgt Ion: 70 Resp: 36399

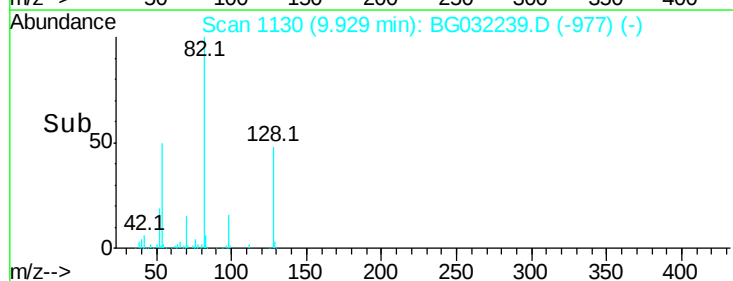
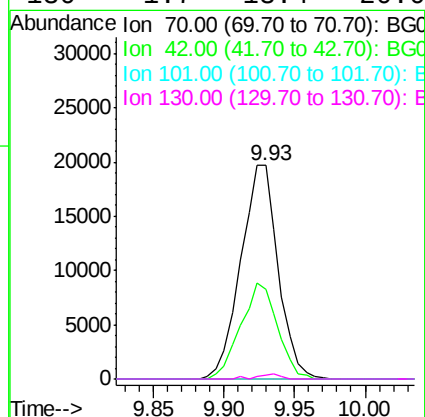
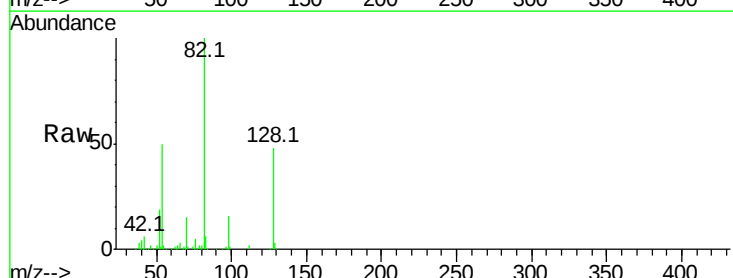
Ion Ratio Lower Upper

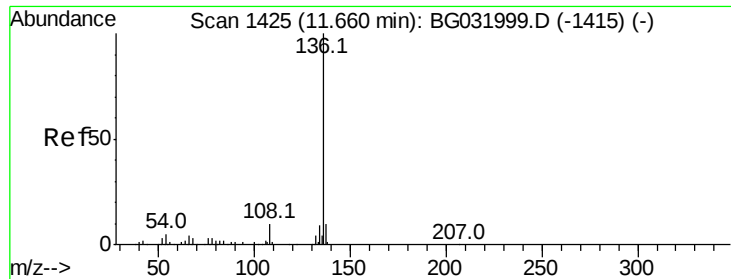
70 100

42 42.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

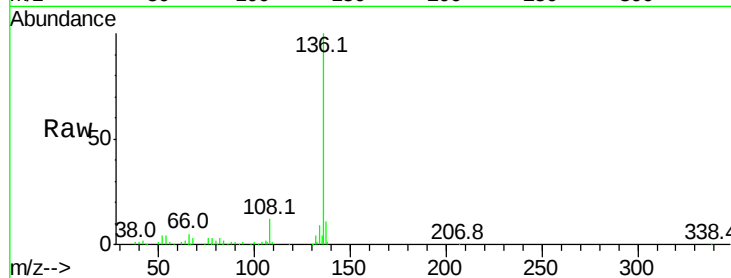




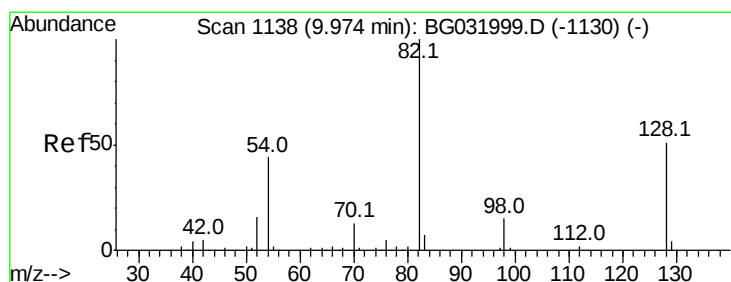
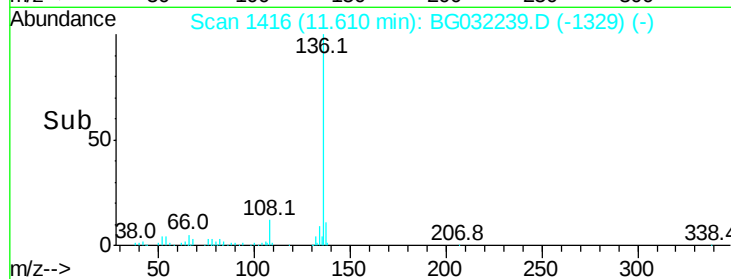
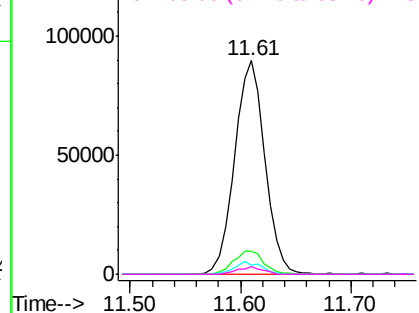
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BG032239.D
Acq: 23 Jan 2018 19:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	172049
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	4.3	10.3	15.5#
68	3.5	4.5	6.7#

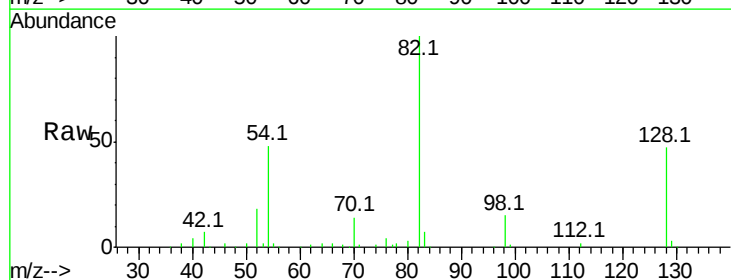


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

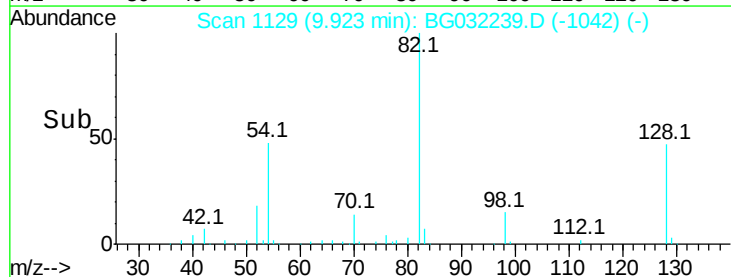
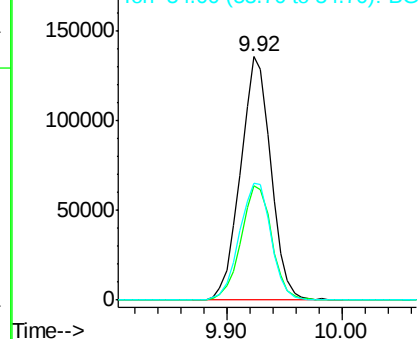


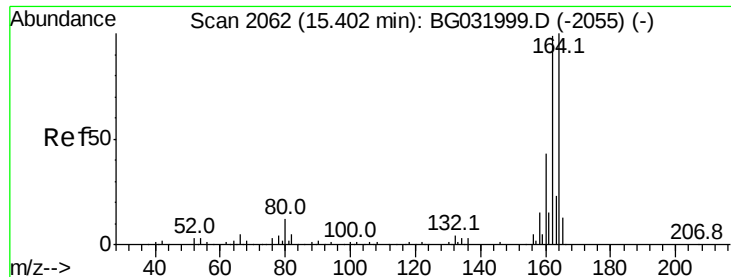
#23
Nitrobenzene-d5
Concen: 97.138 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BG032239.D
Acq: 23 Jan 2018 19:47

Tgt Ion:	82	Resp:	247027
Ion	Ratio	Lower	Upper
82	100		
128	46.9	29.7	44.5#
54	47.8	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: 15.36 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

Instrument :

BNA_G

ClientSampleId :

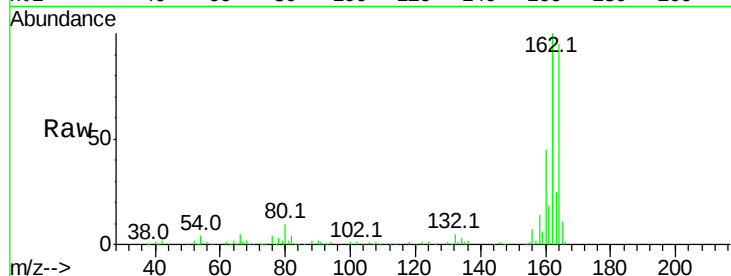
Tot Ion:164 Resp: 121772

Ion Ratio Lower Upper

164 100

162 105.7 78.8 118.2

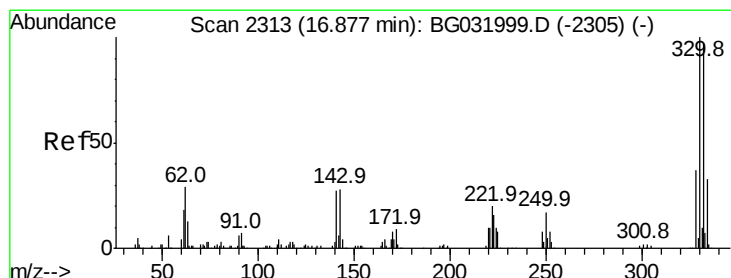
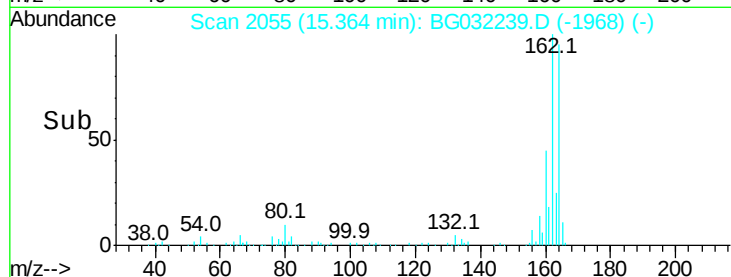
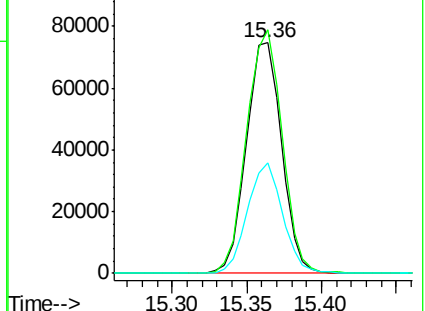
160 47.8 35.4 53.0



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: 85.149 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.02 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

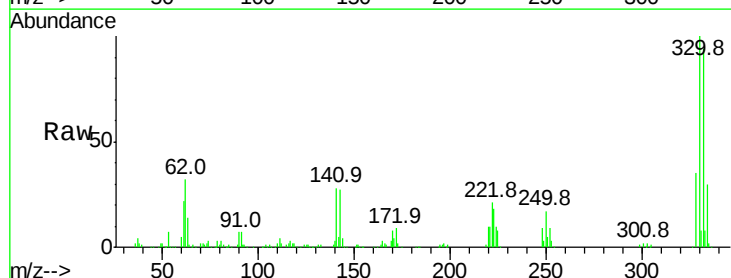
Tgt Ion:330 Resp: 171579

Ion Ratio Lower Upper

330 100

332 99.0 77.0 115.6

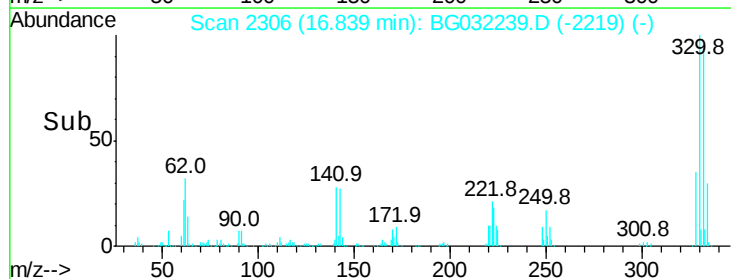
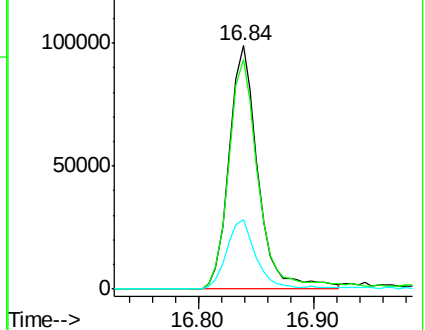
141 28.7 25.2 37.8

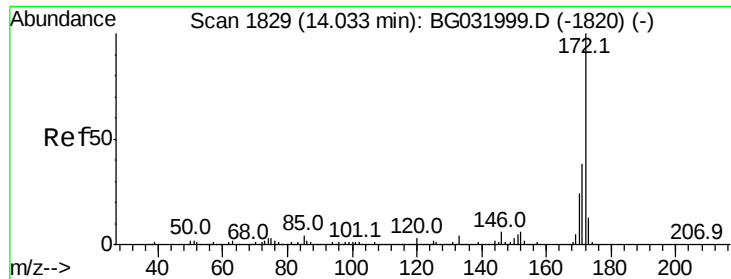


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

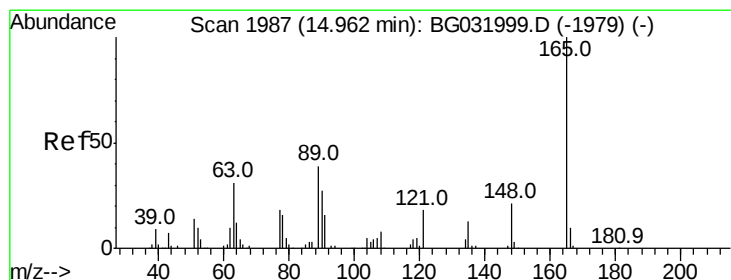
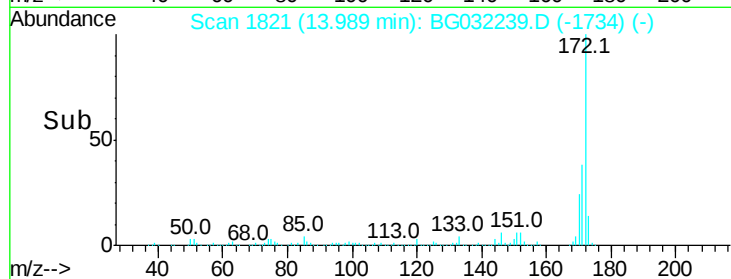
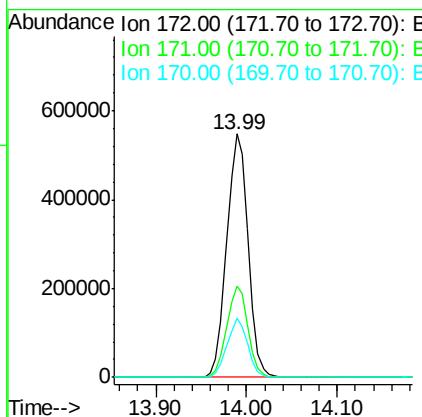
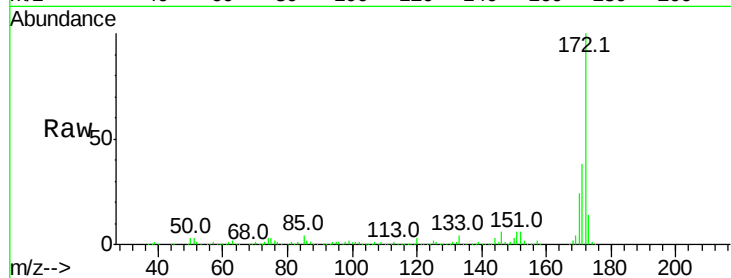




#44
2-Fluorobiphenyl
Concen: 90.913 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BG032239.D
Acq: 23 Jan 2018 19:47

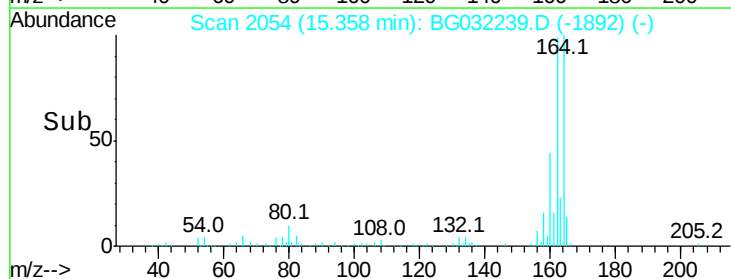
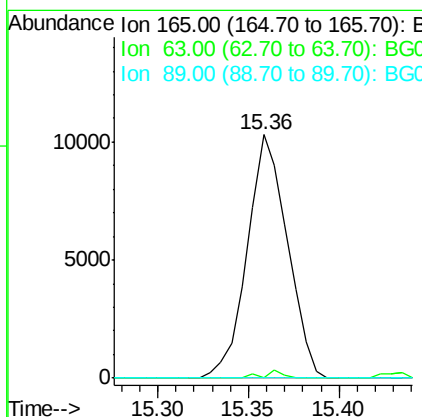
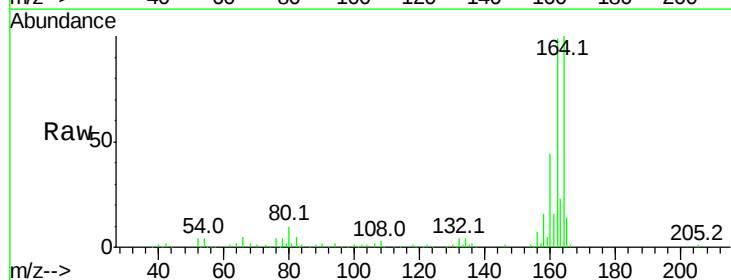
Instrument :
BNA_G
ClientSampleId :

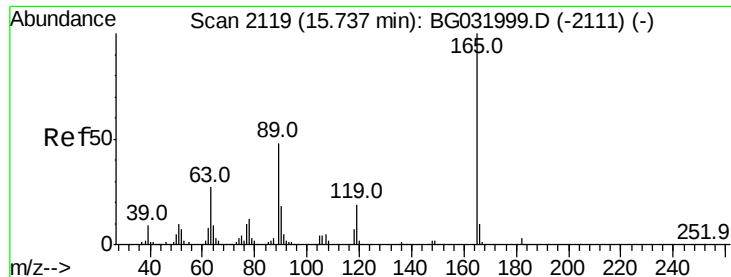
Tot Ion:172 Resp: 892828
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 24.3 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.157 ng
RT: 15.36 min Scan# 2054
Delta R.T. 0.42 min
Lab File: BG032239.D
Acq: 23 Jan 2018 19:47

Tgt Ion:165 Resp: 15829
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.316 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.36 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15829

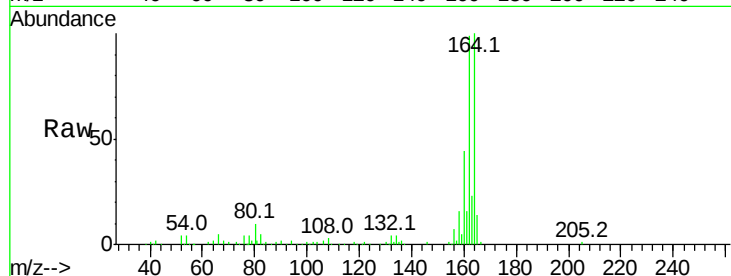
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

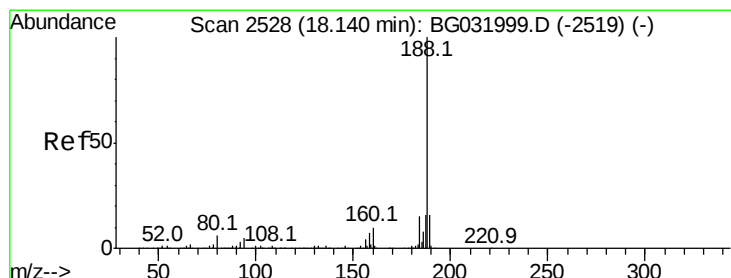
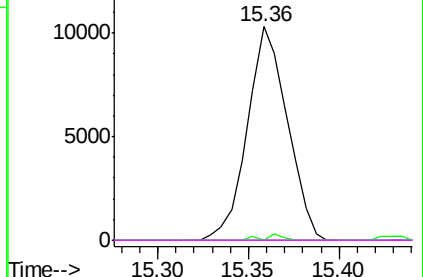
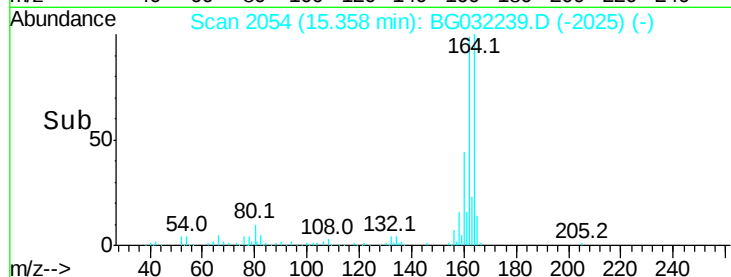


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.10 min Scan# 2520

Delta R.T. -0.02 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

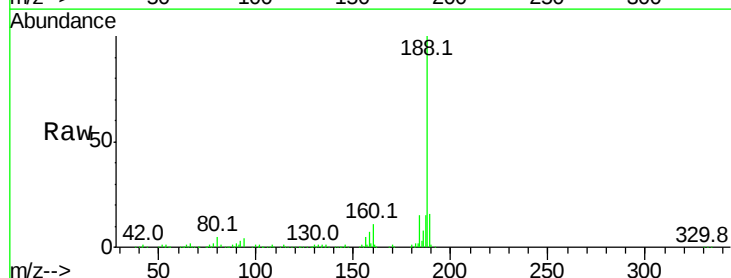
Tgt Ion:188 Resp: 302709

Ion Ratio Lower Upper

188 100

94 3.9 6.9 10.3#

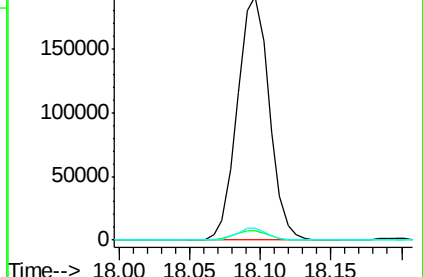
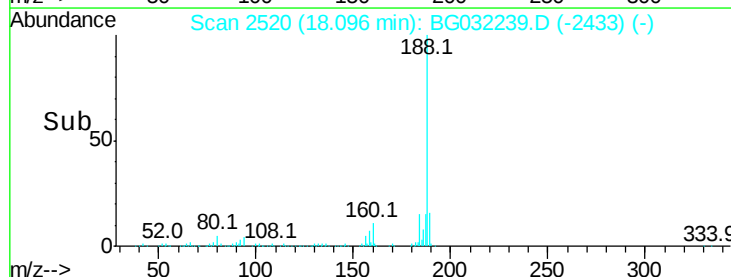
80 4.9 7.7 11.5#

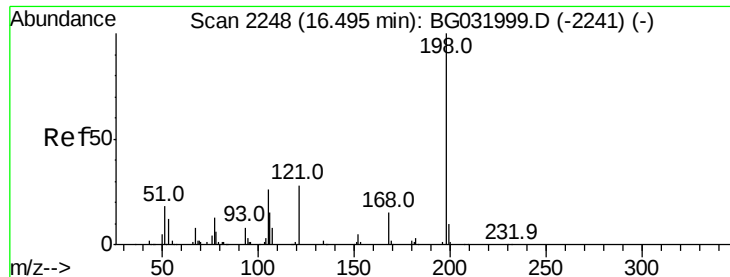


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

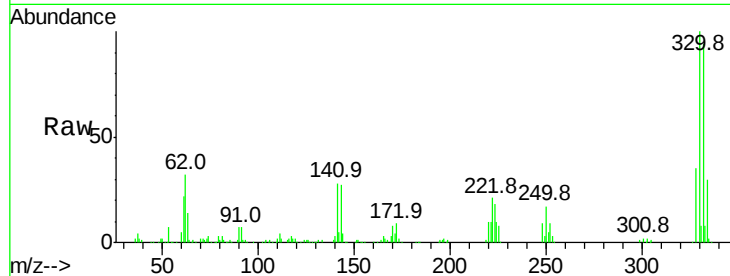




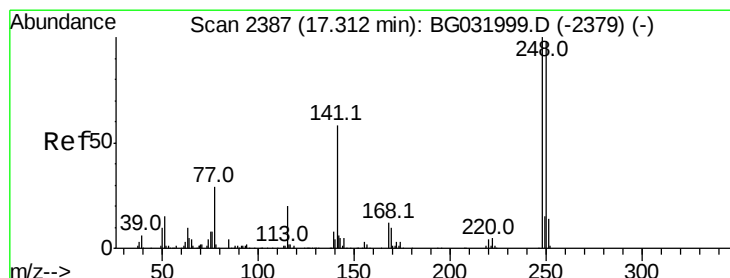
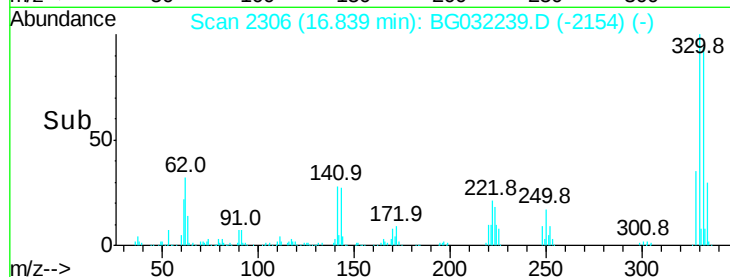
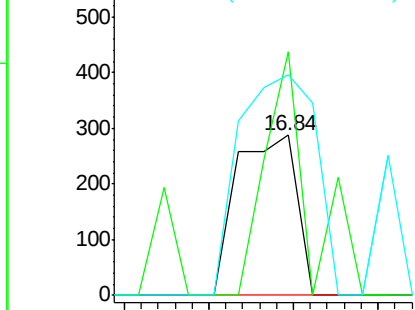
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.016 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. 0.36 min
 Lab File: BG032239.D
 Acq: 23 Jan 2018 19:47

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 283
 Ion Ratio Lower Upper
 198 100
 51 152.3 30.6 70.6#
 105 138.0 23.8 63.8#

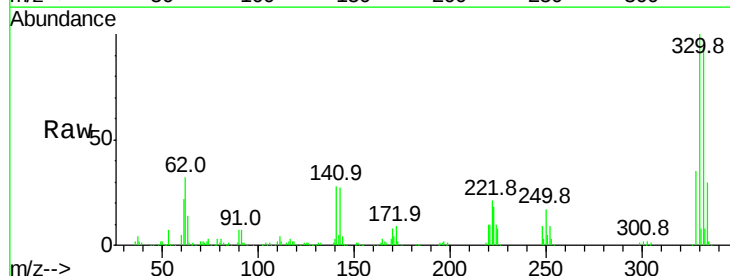


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

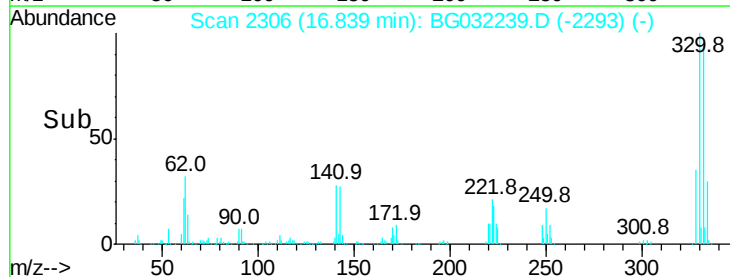
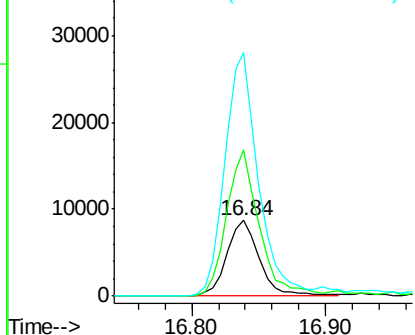


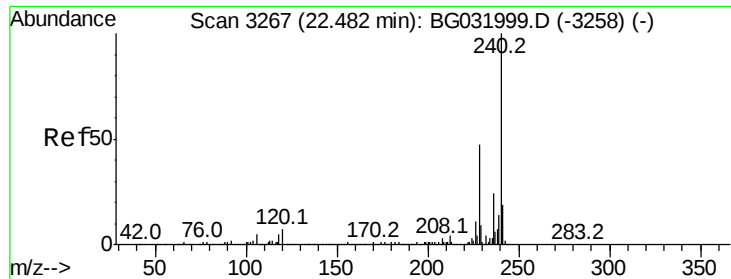
#66
 4-Bromophenyl-phenylether
 Concen: 3.480 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.45 min
 Lab File: BG032239.D
 Acq: 23 Jan 2018 19:47

Tgt Ion:248 Resp: 14987
 Ion Ratio Lower Upper
 248 100
 250 193.4 77.1 115.7#
 141 322.6 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: 22.43 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

Instrument :

BNA_G

ClientSampleId :

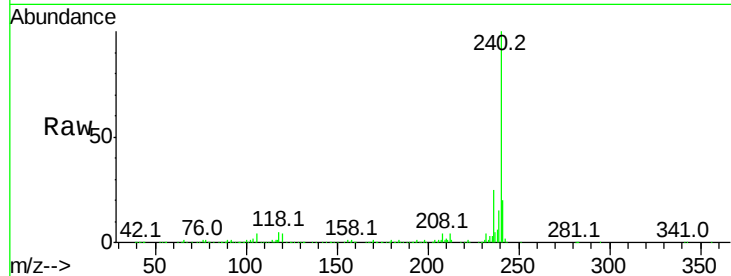
Tot Ion:240 Resp: 392841

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

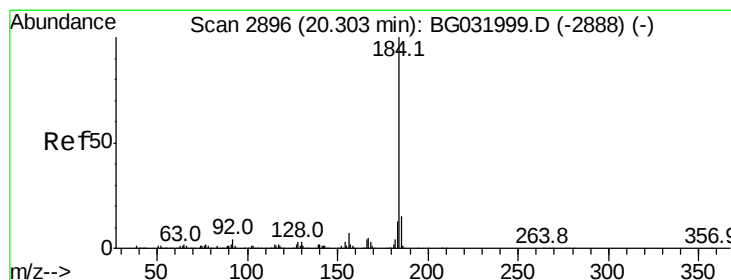
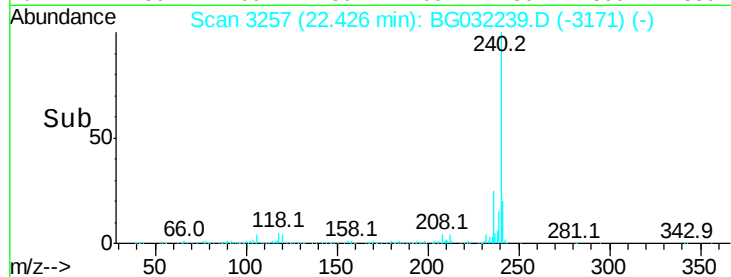
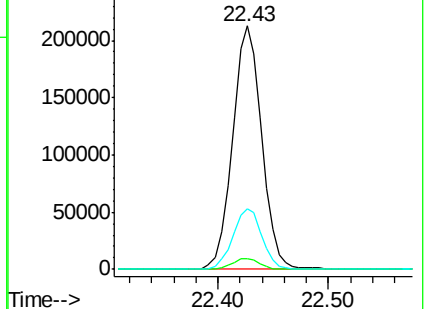
236 25.1 20.9 31.3



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: 2.496 ng

RT: 20.63 min Scan# 2952

Delta R.T. 0.36 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

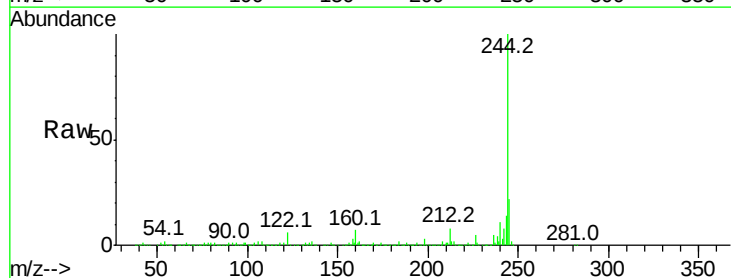
Tgt Ion:184 Resp: 24517

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

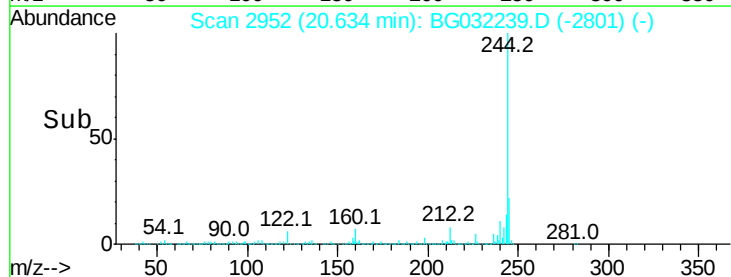
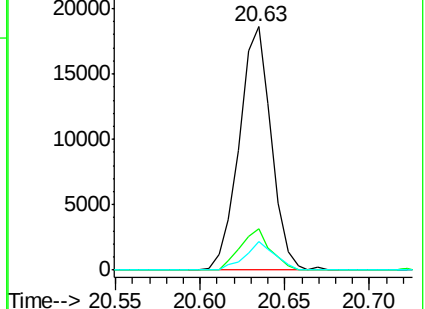
183 11.6 10.6 16.0

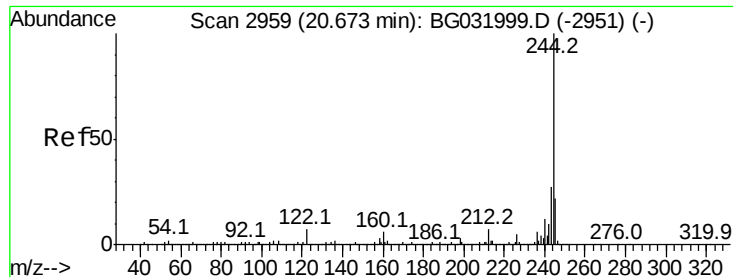


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.895 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.02 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

Instrument :

BNA_G

ClientSampleId :

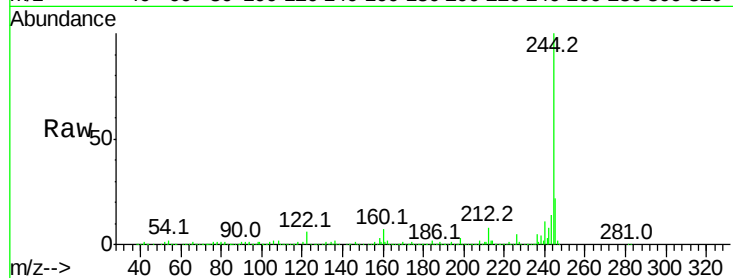
Tot Ion:244 Resp: 1670527

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

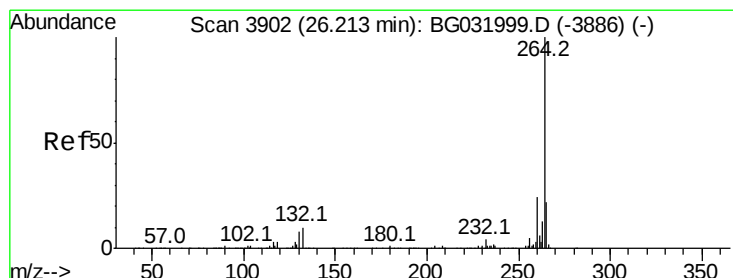
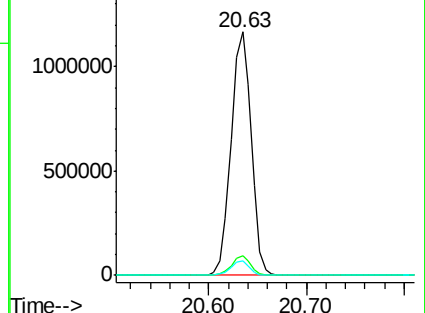
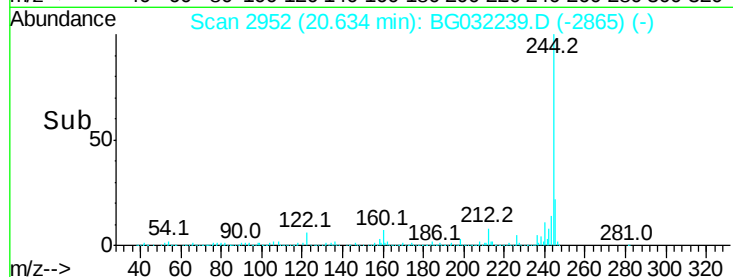
122 5.9 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 26.12 min Scan# 3885

Delta R.T. -0.03 min

Lab File: BG032239.D

Acq: 23 Jan 2018 19:47

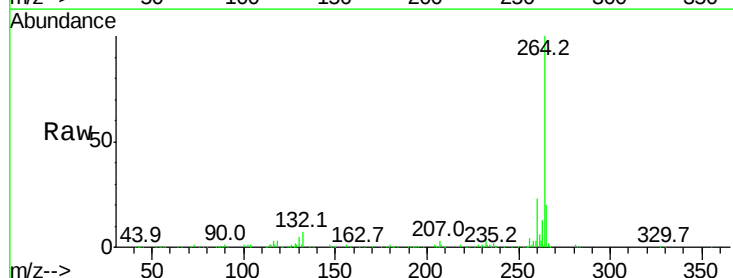
Tgt Ion:264 Resp: 413051

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 20.3 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

