

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032044.D
 Acq On : 15 Jan 2018 22:36
 Operator : SJ/JU
 Sample : J1117-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 01:32:13 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	47579	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	187879	20.00	ng	0.00
38) Acenaphthene-d10	15.40	164	132521	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	378563	20.00	ng	0.00
75) Chrysene-d12	22.47	240	466658	20.00	ng	-0.01
86) Perylene-d12	26.18	264	490966	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.19	112	364877	140.26	ng	0.00
7) Phenol-d6	7.87	99	448346	136.84	ng	0.00
23) Nitrobenzene-d5	9.97	82	261927	94.32	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	331575	151.20	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	790064	73.92	ng	0.00
78) Terphenyl-d14	20.66	244	1694054	80.16	ng	0.00

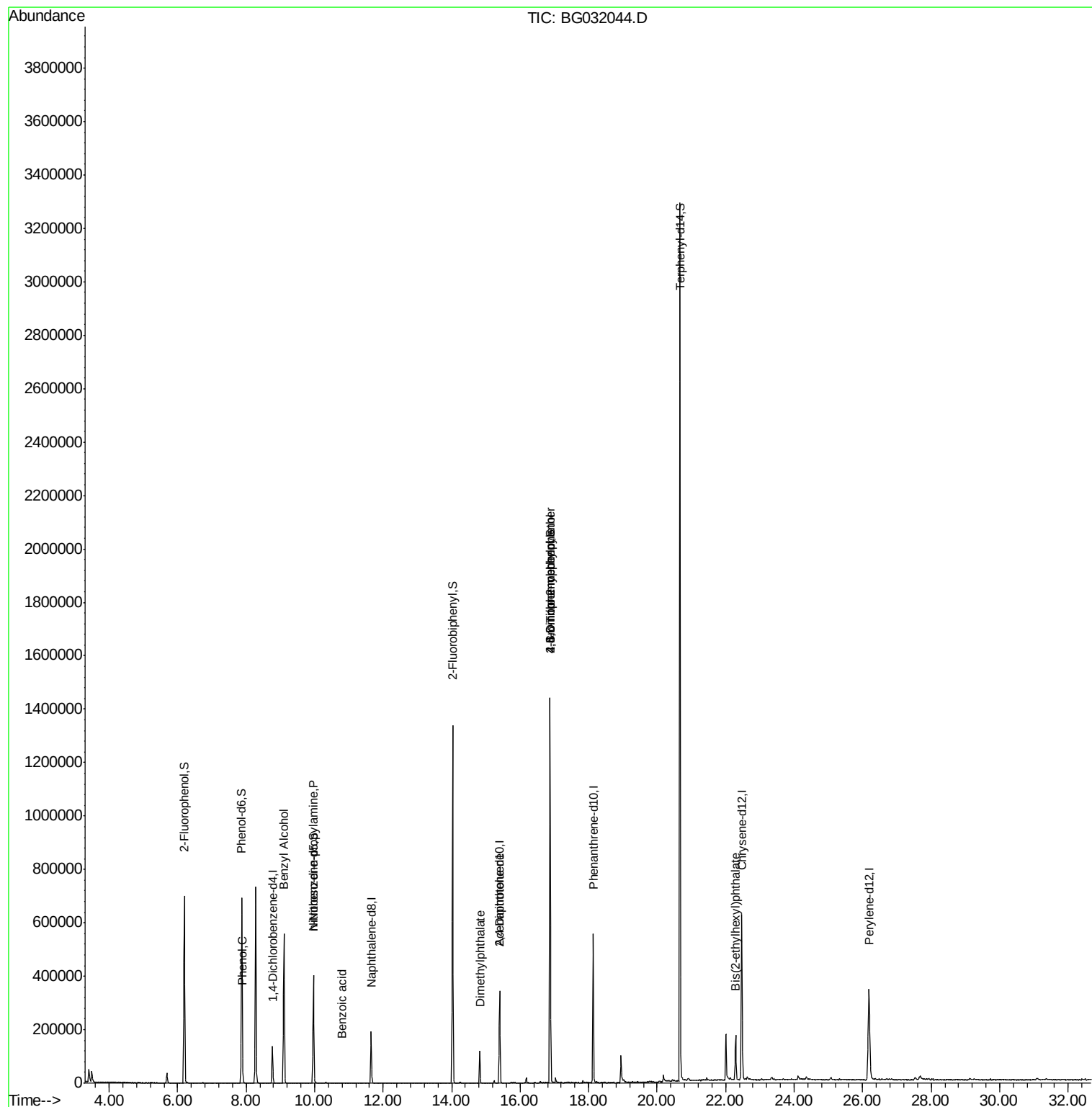
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.90	94	10547	3.268	ng	88
15) Benzyl Alcohol	9.10	79	4912	2.064	ng	# 54
19) n-Nitroso-di-n-propylamine	9.96	70	35111	17.272	ng	# 73
32) Benzoic acid	10.81	122	61	5.282	ng	# 1
49) Dimethylphthalate	14.82	163	97227	8.384	ng	# 97
56) 2,4-Dinitrotoluene	15.39	165	17937	5.535	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.87	198	963	5.241	ng	# 48
66) 4-Bromophenyl-phenylether	16.87	248	26829	4.981	ng	# 1
83) Bis(2-ethylhexyl)phthalate	22.29	149	96171	6.240	ng	# 97

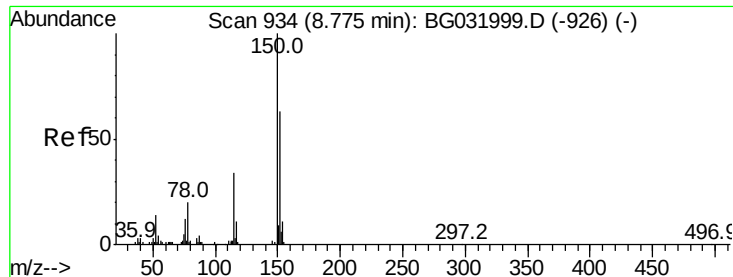
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032044.D

Acq: 15 Jan 2018 22:36

Instrument :

BNA_G

ClientSampleId :

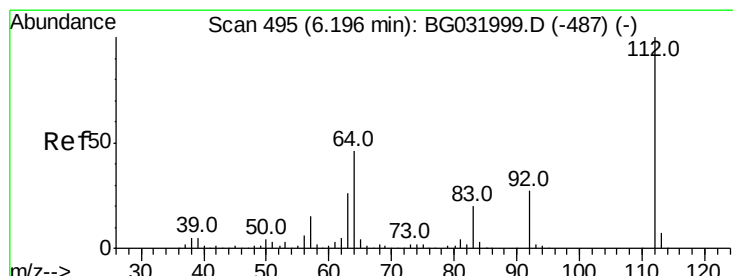
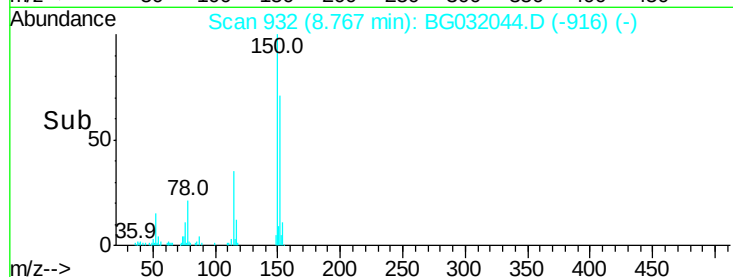
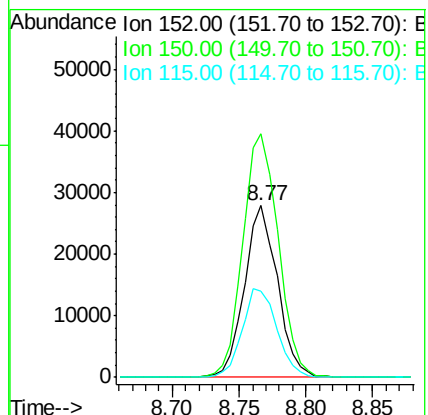
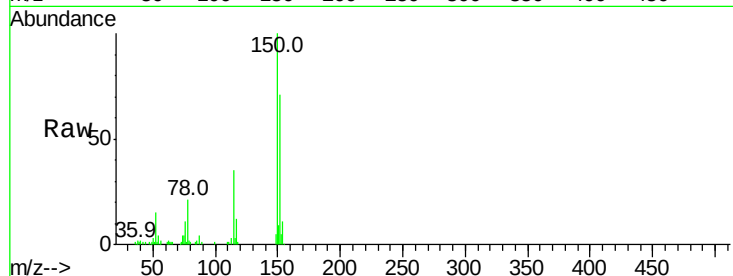
Tot Ion:152 Resp: 47579

Ion Ratio Lower Upper

152 100

150 141.7 126.6 189.8

115 50.2 53.0 79.4#



#5

2-Fluorophenol

Concen: 140.258 ng

RT: 6.19 min Scan# 494

Delta R.T. -0.00 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

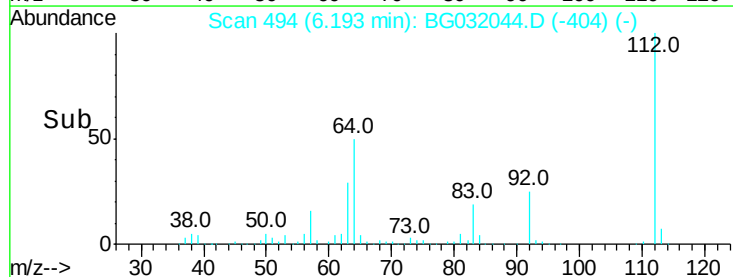
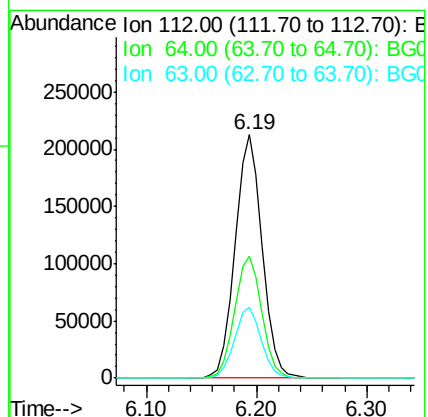
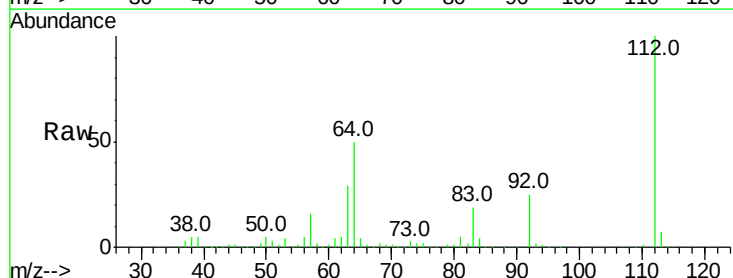
Tgt Ion:112 Resp: 364877

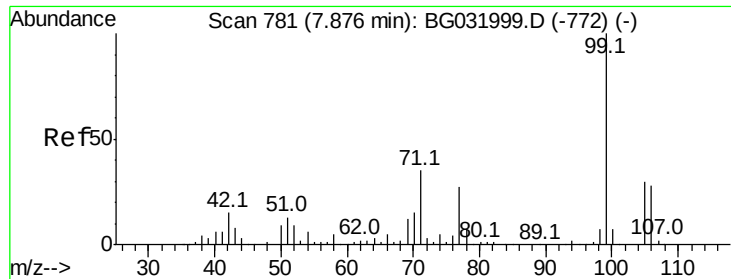
Ion Ratio Lower Upper

112 100

64 49.9 56.3 84.5#

63 29.2 30.1 45.1#





#7

Phenol-d6

Concen: 136.842 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

Instrument :

BNA_G

ClientSampleId :

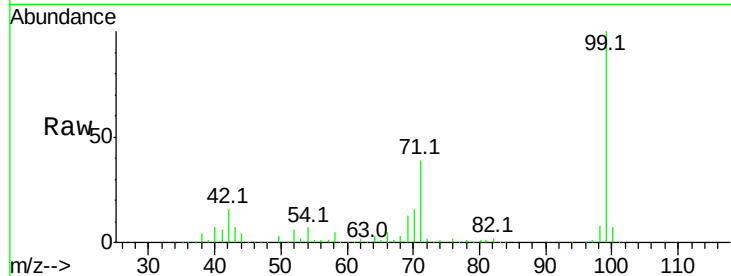
Tot Ion: 99 Resp: 448346

Ion Ratio Lower Upper

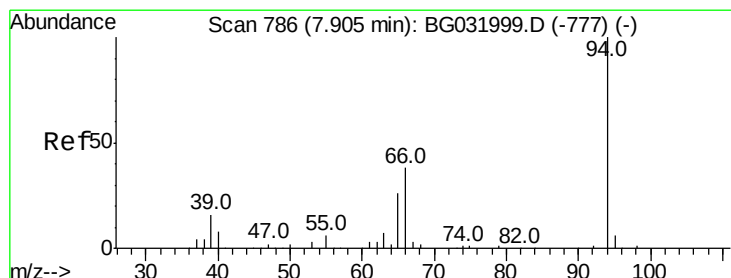
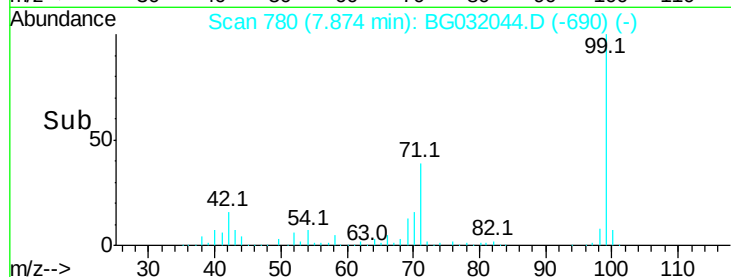
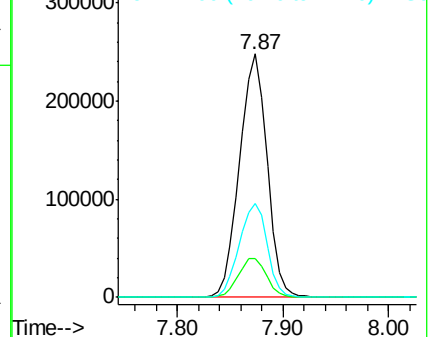
99 100

42 15.8 14.1 21.1

71 38.7 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



#10

Phenol

Concen: 3.268 ng

RT: 7.90 min Scan# 784

Delta R.T. -0.01 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

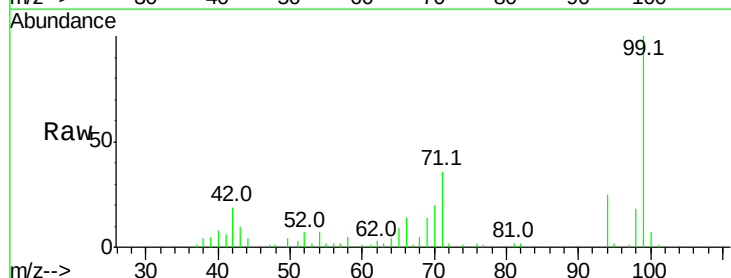
Tgt Ion: 94 Resp: 10547

Ion Ratio Lower Upper

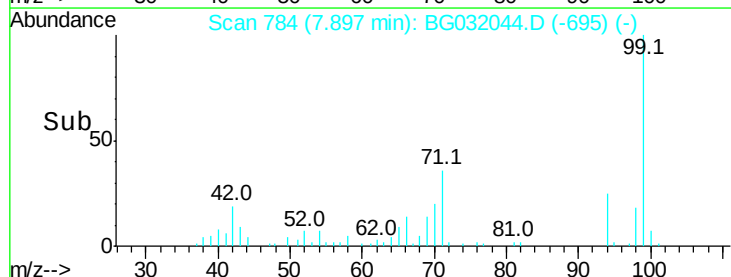
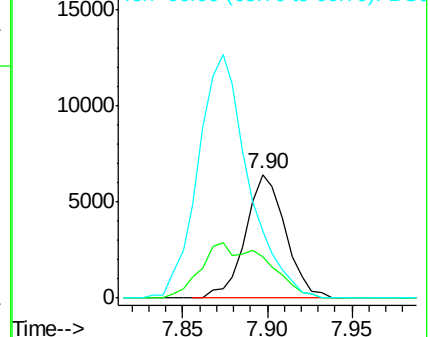
94 100

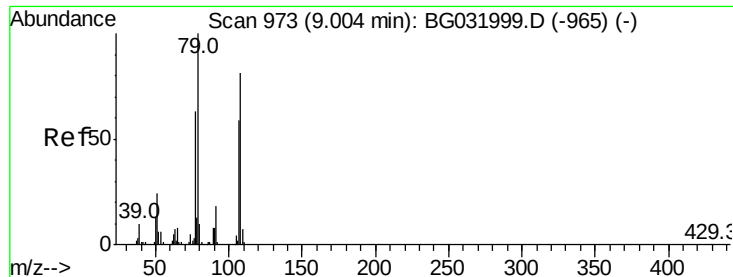
65 34.0 11.9 51.9

66 54.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.064 ng

RT: 9.10 min Scan# 988

Delta R.T. 0.09 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

Instrument :

BNA_G

ClientSampleId :

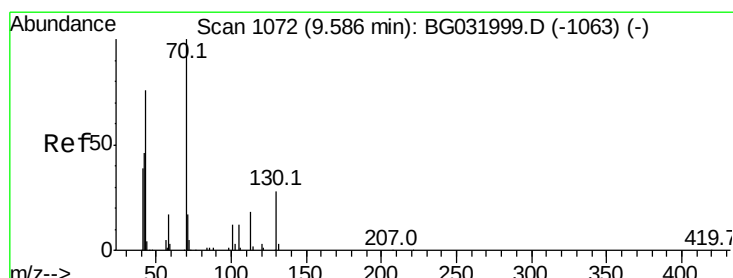
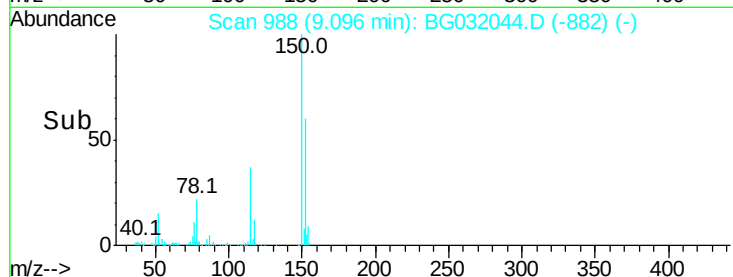
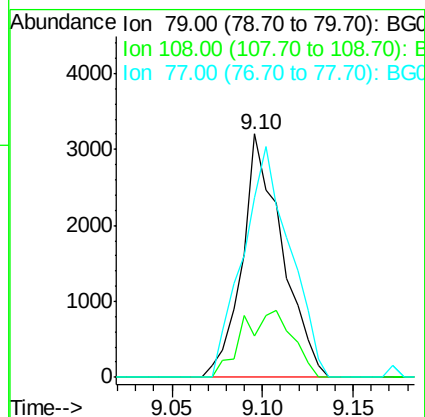
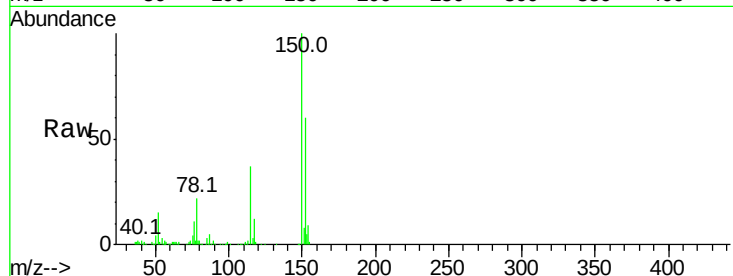
Tot Ion: 79 Resp: 4912

Ion Ratio Lower Upper

79 100

108 16.9 57.2 85.8#

77 73.7 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.272 ng

RT: 9.96 min Scan# 1135

Delta R.T. 0.37 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

Tgt Ion: 70 Resp: 35111

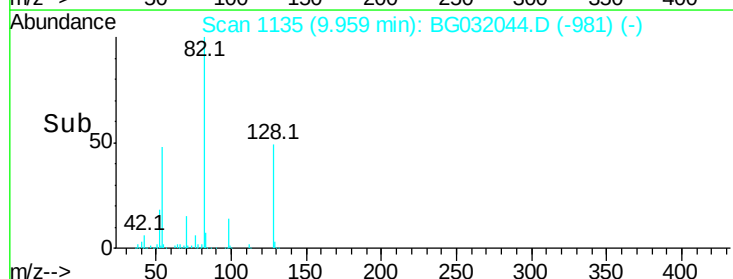
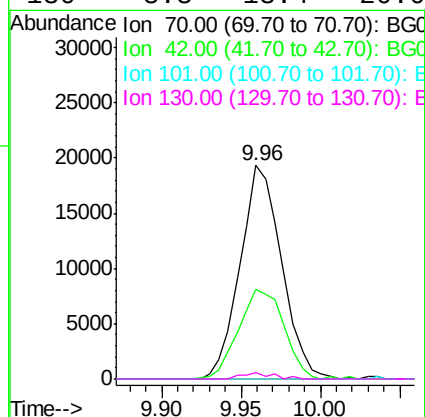
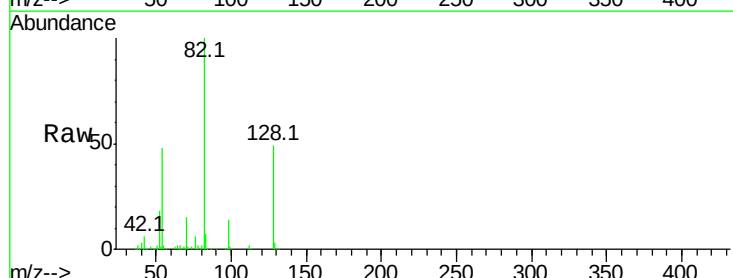
Ion Ratio Lower Upper

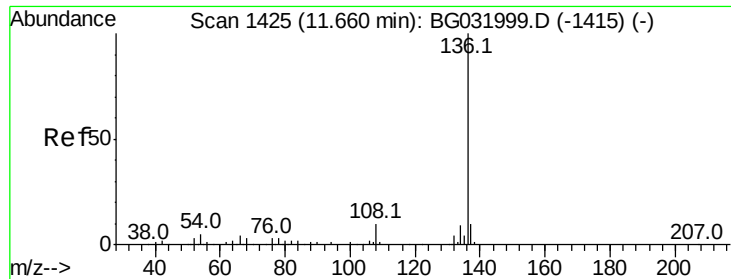
70 100

42 41.7 49.1 73.7#

101 0.0 8.5 12.7#

130 3.3 13.4 20.0#

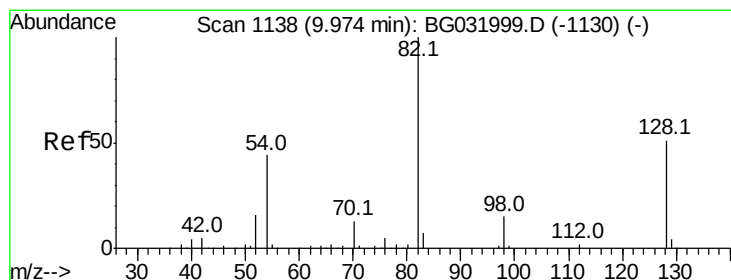
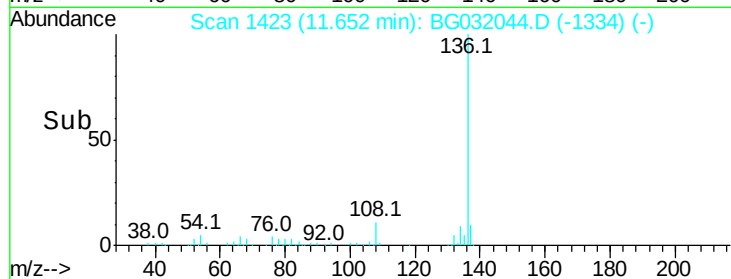
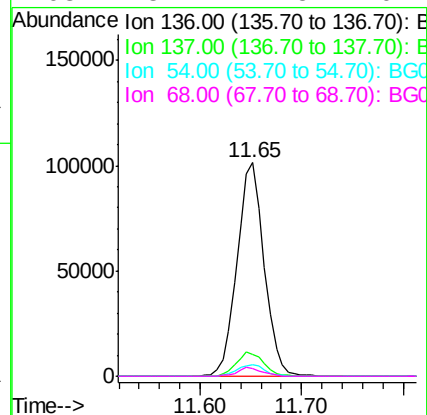
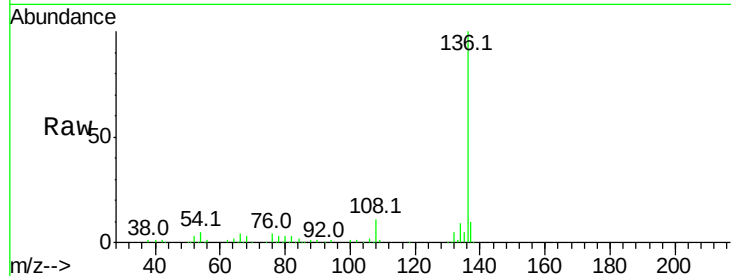




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

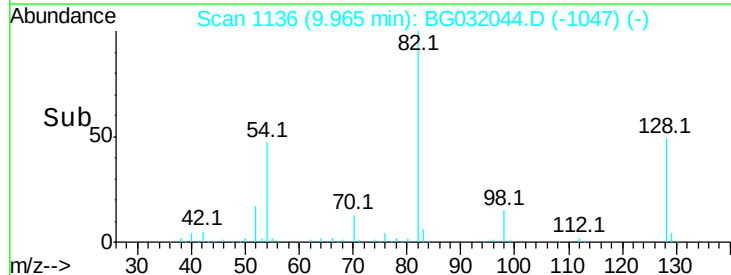
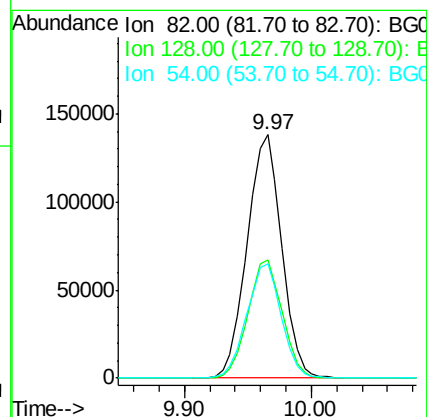
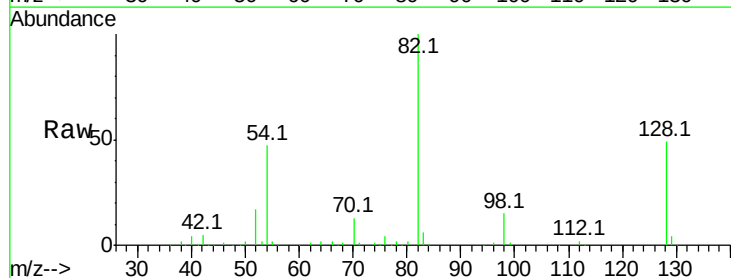
Instrument :
BNA_G
ClientSampleId :

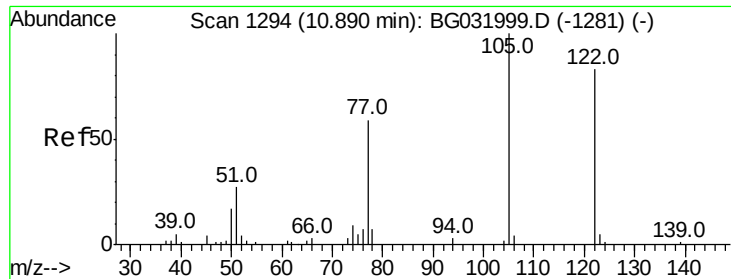
Tot Ion:	136	Resp:	187879
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	5.5	10.3	15.5#
68	3.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 94.319 ng
RT: 9.97 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

Tgt Ion:	82	Resp:	261927
Ion	Ratio	Lower	Upper
82	100		
128	48.7	29.7	44.5#
54	47.2	43.1	64.7

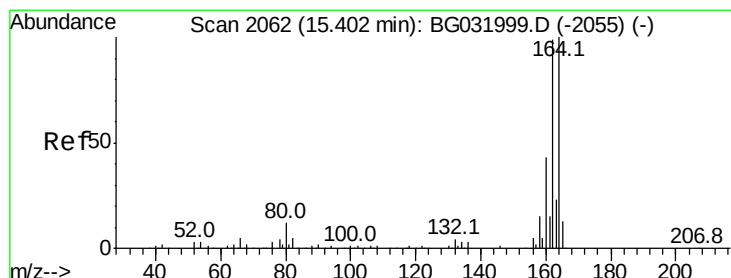
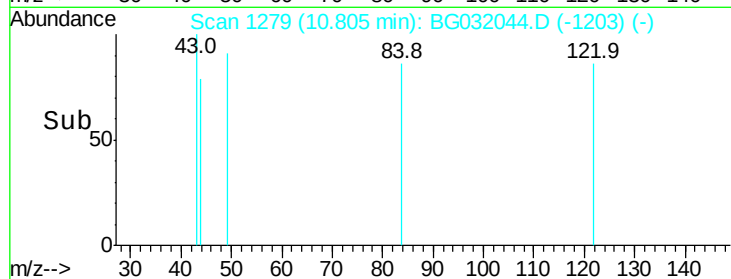
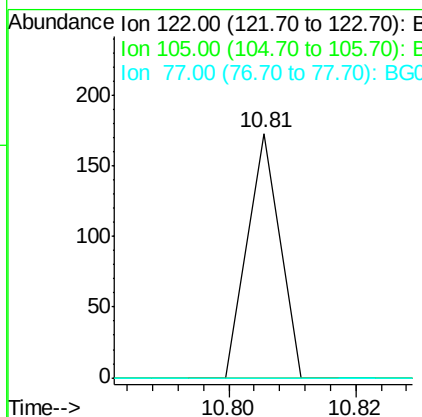
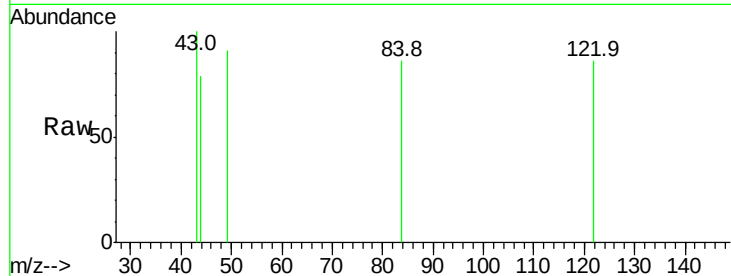




#32
Benzoic acid
Concen: 5.282 ng
RT: 10.81 min Scan# 1279
Delta R.T. -0.08 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

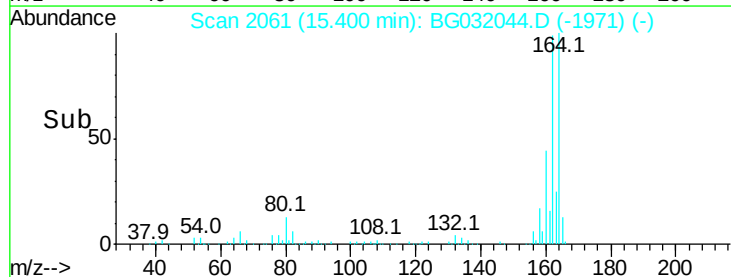
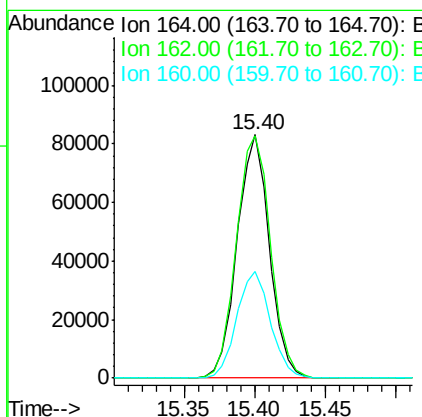
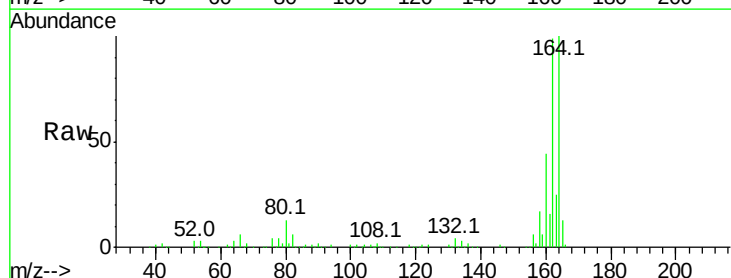
Instrument :
BNA_G
ClientSampleId :

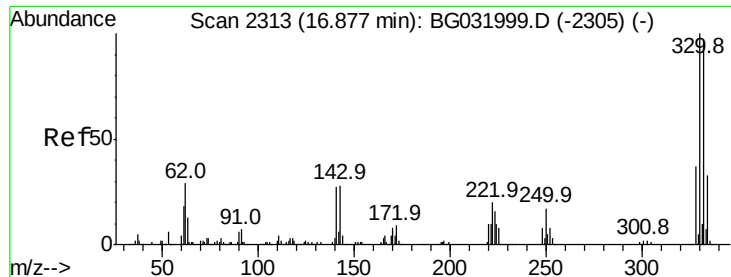
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.00 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

Tgt Ion:164 Resp: 132521
Ion Ratio Lower Upper
164 100
162 99.4 78.8 118.2
160 43.8 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 151.203 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.00 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

Instrument :

BNA_G

ClientSampleId :

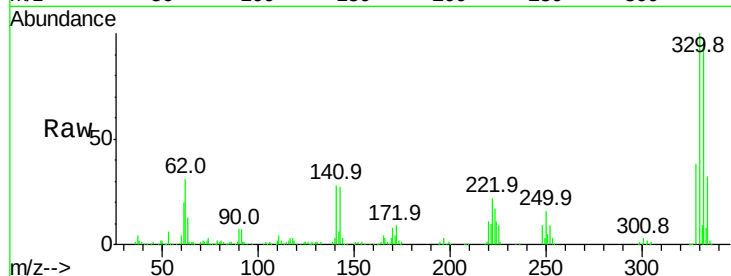
Tot Ion:330 Resp: 331575

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

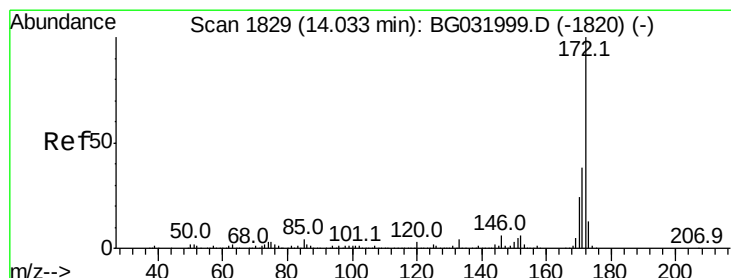
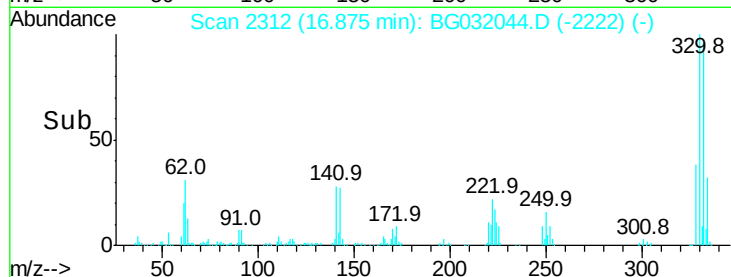
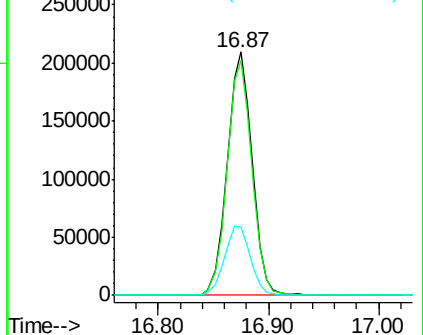
141 29.5 25.2 37.8



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: 73.923 ng

RT: 14.03 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

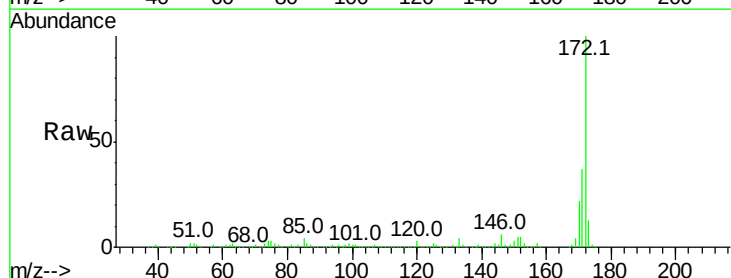
Tgt Ion:172 Resp: 790064

Ion Ratio Lower Upper

172 100

171 37.2 30.0 45.0

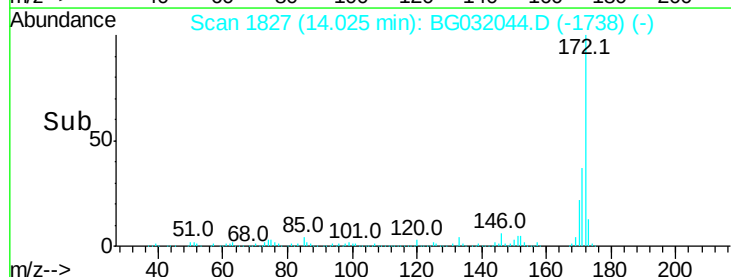
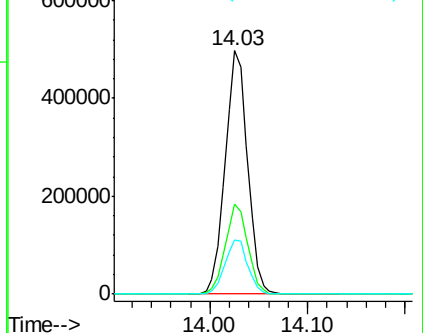
170 22.3 19.5 29.3

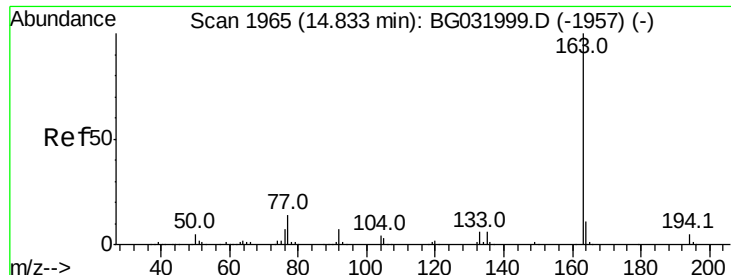


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

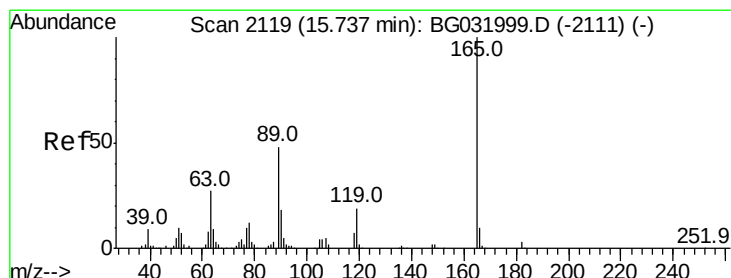
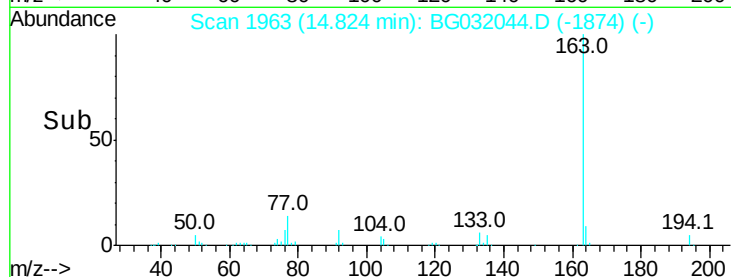
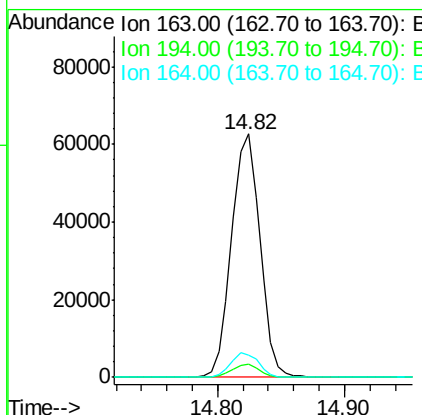
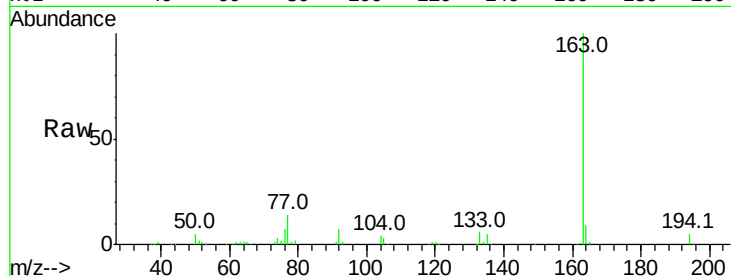




#49
Dimethylphthalate
Concen: 8.384 ng
RT: 14.82 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

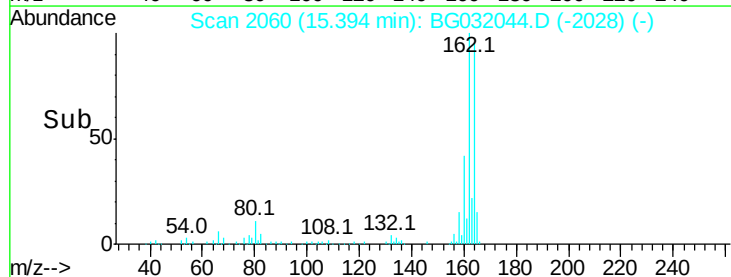
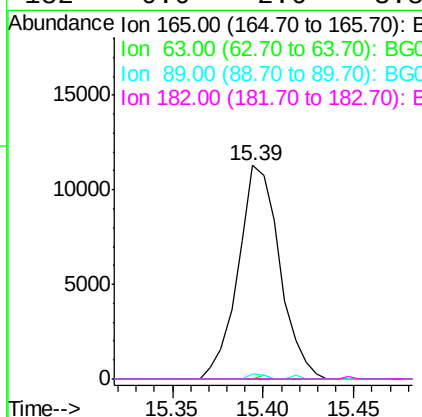
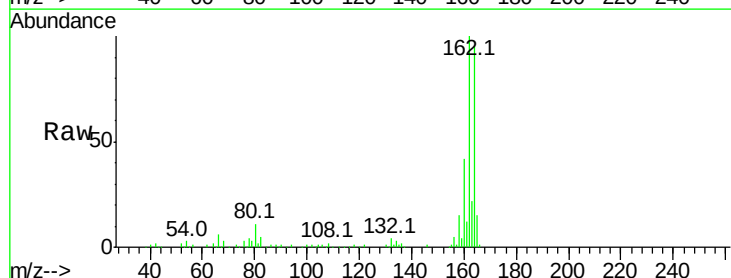
Instrument :
BNA_G
ClientSampleId :

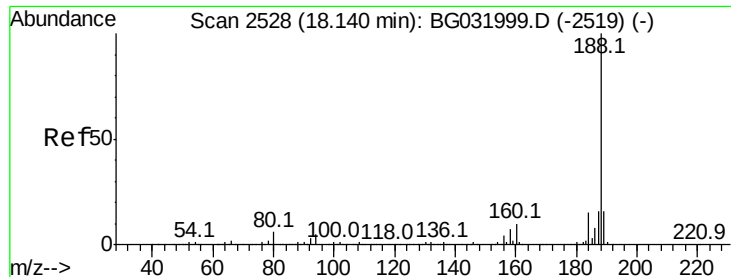
Tot Ion:163 Resp: 97227
Ion Ratio Lower Upper
163 100
194 5.5 3.4 5.2#
164 9.3 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 5.535 ng
RT: 15.39 min Scan# 2060
Delta R.T. -0.34 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

Tgt Ion:165 Resp: 17937
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.2 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

Instrument :

BNA_G

ClientSampleId :

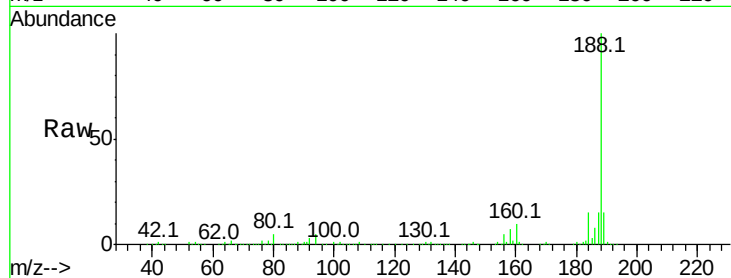
Tot Ion:188 Resp: 378563

Ion Ratio Lower Upper

188 100

94 4.7 6.9 10.3#

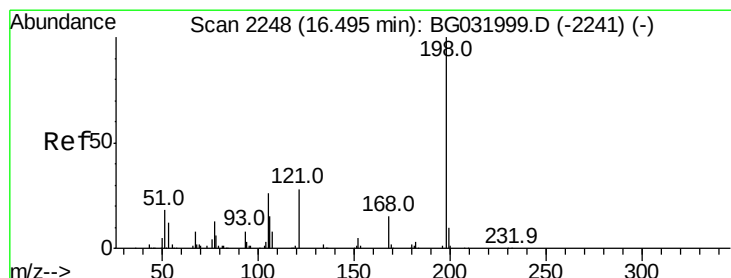
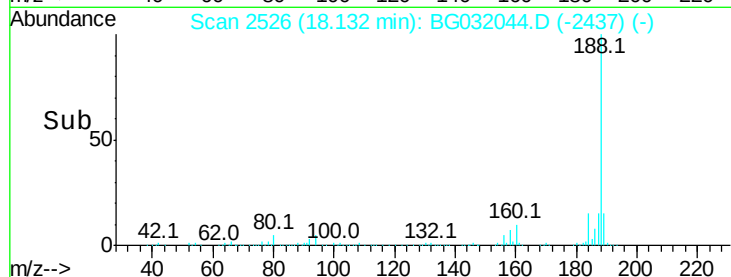
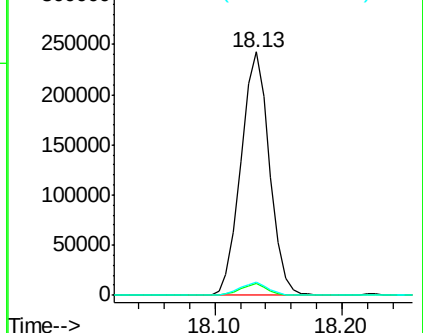
80 5.2 7.7 11.5#



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: 5.241 ng

RT: 16.87 min Scan# 2312

Delta R.T. 0.38 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

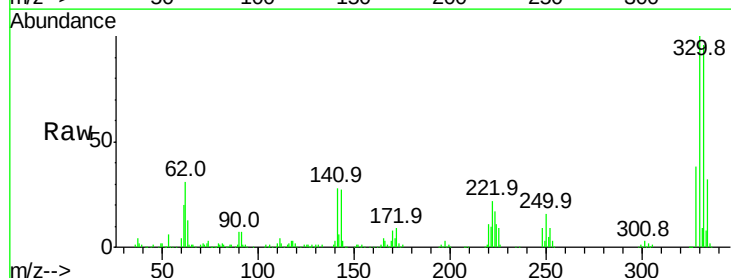
Tgt Ion:198 Resp: 963

Ion Ratio Lower Upper

198 100

51 42.8 30.6 70.6

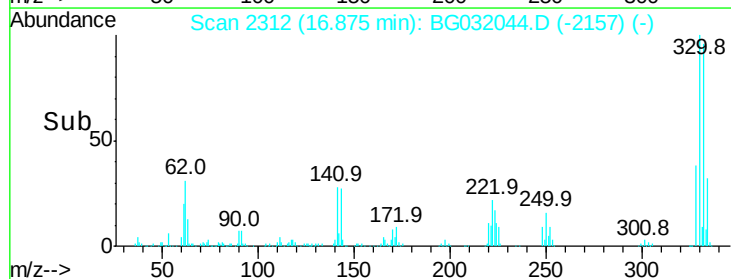
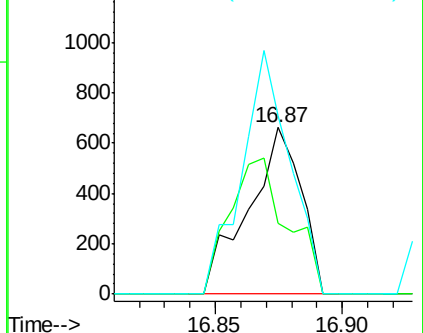
105 107.4 23.8 63.8#

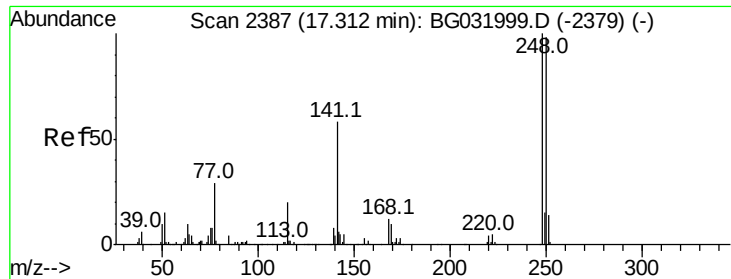


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

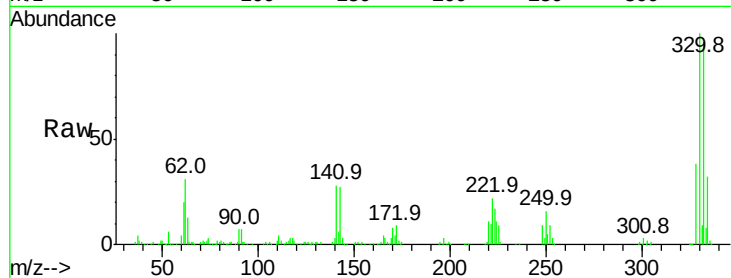




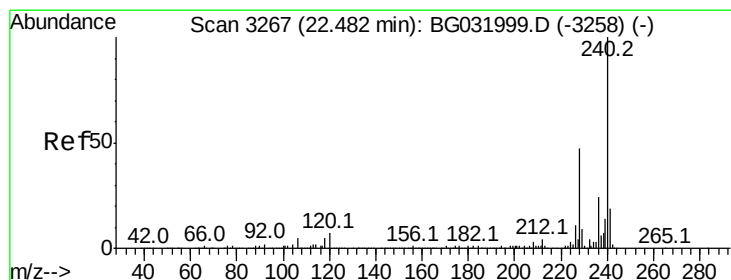
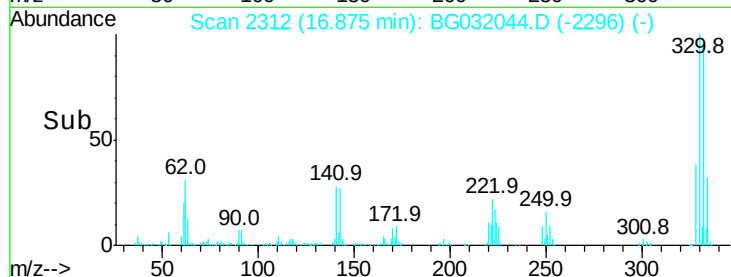
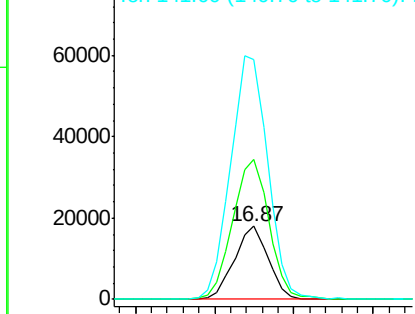
#66
4-Bromophenyl-phenylether
Concen: 4.981 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 26829
Ion Ratio Lower Upper
248 100
250 191.7 77.1 115.7#
141 328.3 50.8 76.2#

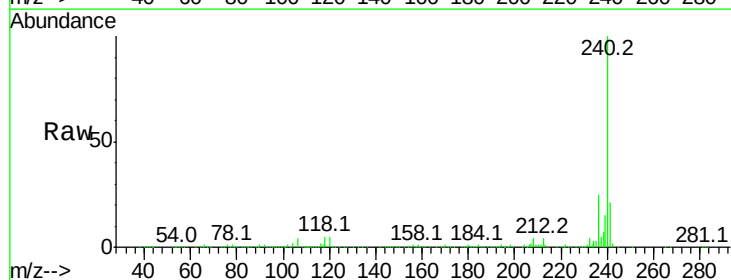


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

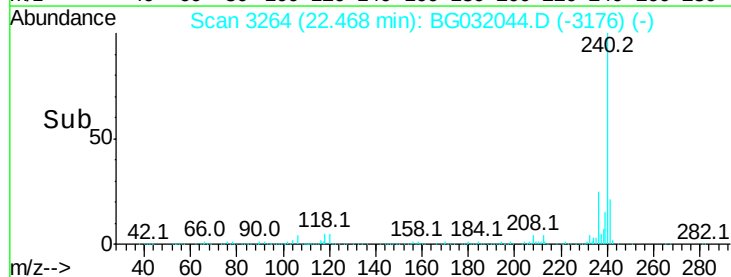
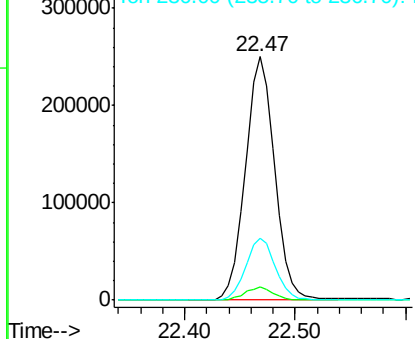


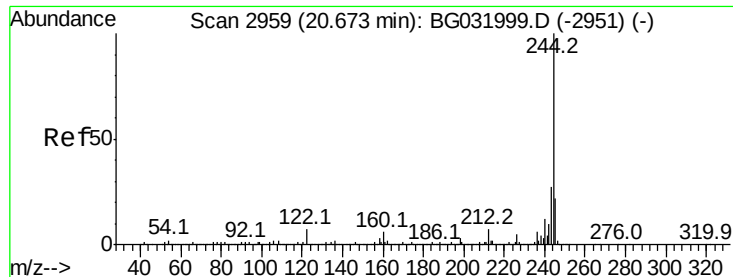
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3264
Delta R.T. -0.01 min
Lab File: BG032044.D
Acq: 15 Jan 2018 22:36

Tgt Ion:240 Resp: 466658
Ion Ratio Lower Upper
240 100
120 5.4 6.8 10.2#
236 25.2 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: 80.156 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

Instrument :

BNA_G

ClientSampleId :

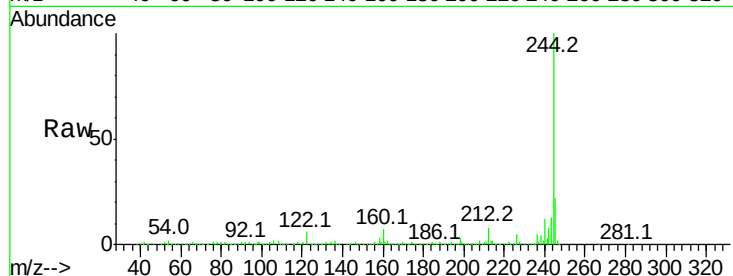
Tot Ion:244 Resp: 1694054

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

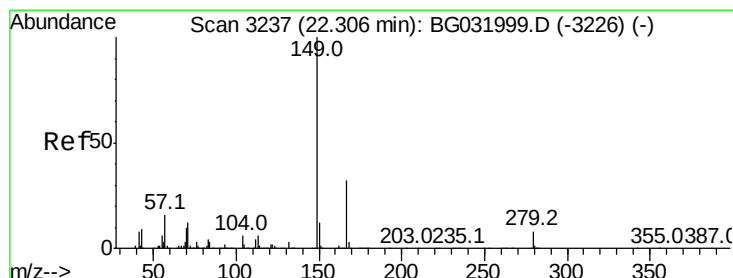
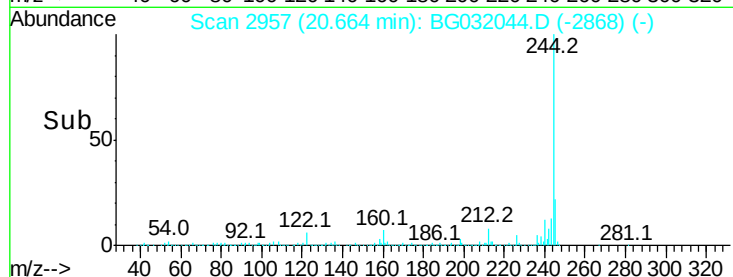
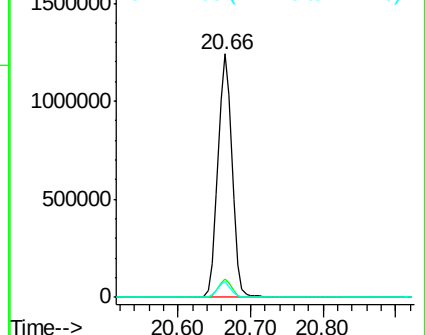
122 6.4 7.0 10.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.240 ng

RT: 22.29 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BG032044.D

Acq: 15 Jan 2018 22:36

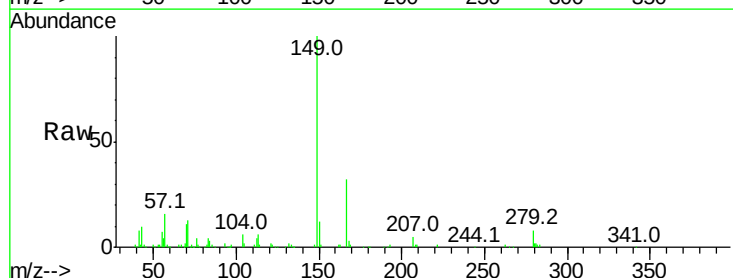
Tgt Ion:149 Resp: 96171

Ion Ratio Lower Upper

149 100

167 31.7 24.3 36.5

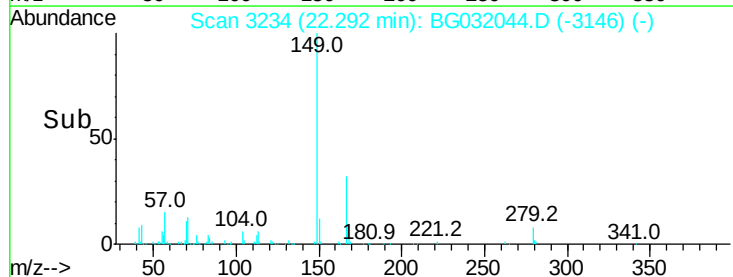
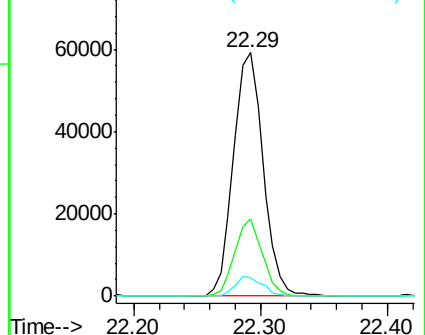
279 7.6 4.0 6.0#

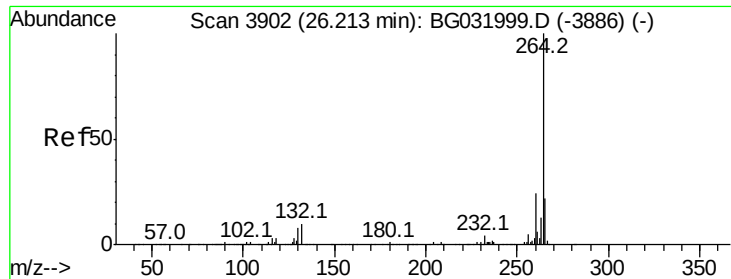


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

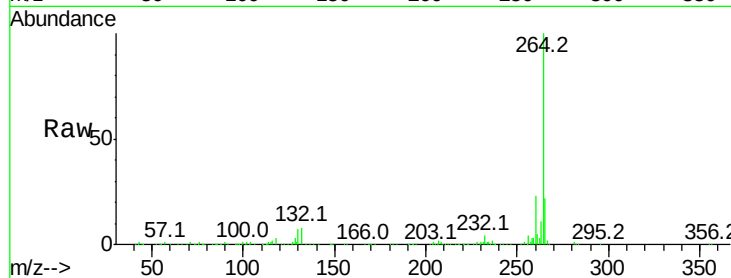




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.18 min Scan# 3896
 Delta R.T. -0.03 min
 Lab File: BG032044.D
 Acq: 15 Jan 2018 22:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	22.0	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

