

Data Path : U:\HPCHEM1\BNA G\DATA\BG011518\
 Data File : BG032068.D
 Acq On : 16 Jan 2018 14:14
 Operator : SJ/JU
 Sample : J1123-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 16 16:30:11 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

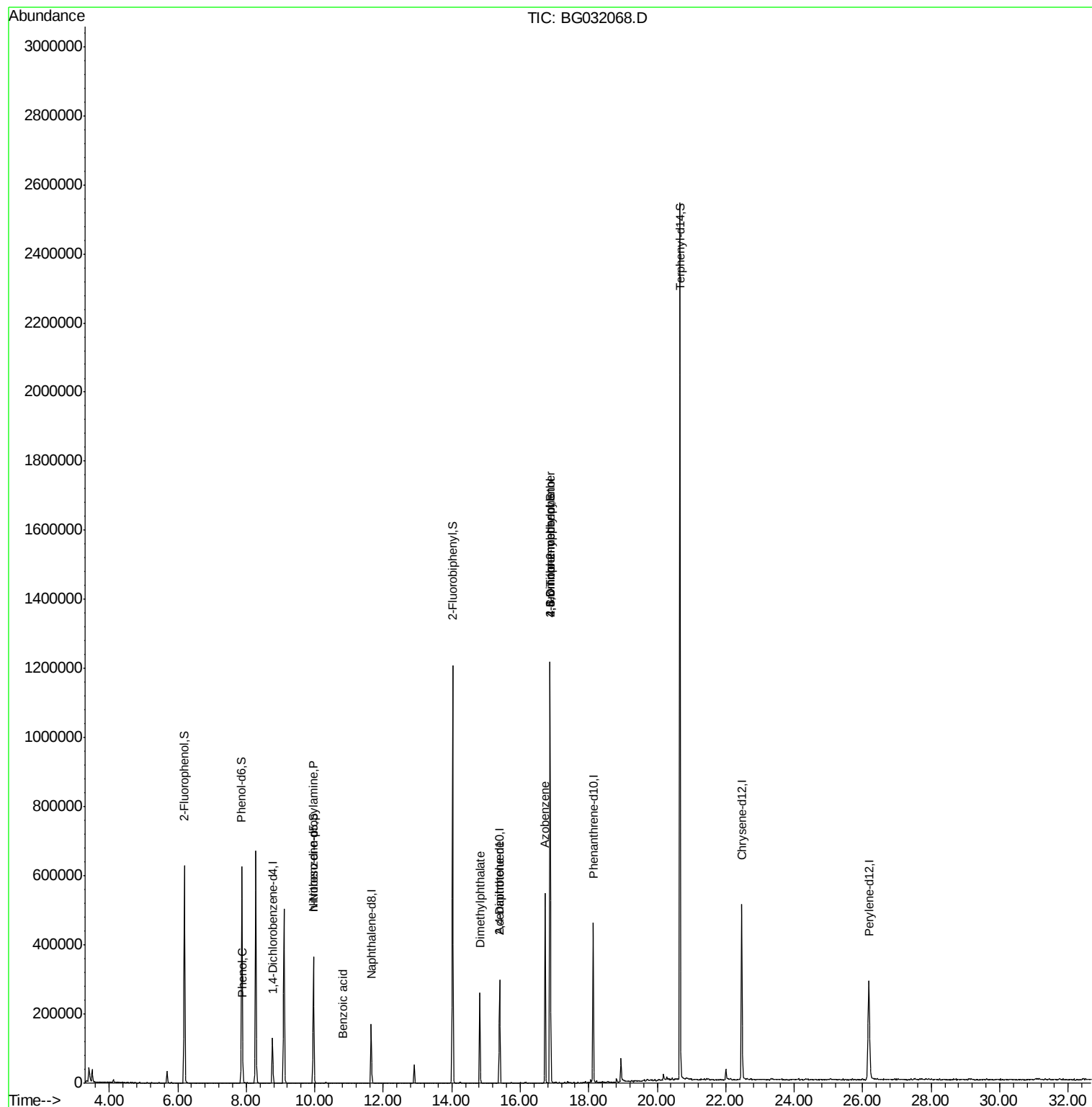
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	44774	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	169023	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	116899	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	310419	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	390502	20.00	ng	-0.02
86) Perylene-d12	26.18	264	408391	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.19	112	330928	135.18	ng	0.00
7) Phenol-d6	7.87	99	408051	132.35	ng	0.00
23) Nitrobenzene-d5	9.96	82	233914	93.63	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	280534	145.02	ng	0.00
44) 2-Fluorobiphenyl	14.02	172	729612	77.39	ng	-0.01
78) Terphenyl-d14	20.66	244	1362351	77.03	ng	-0.01
Target Compounds						
10) Phenol	7.90	94	15003	4.940	ng	95
19) n-Nitroso-di-n-propylamine	9.96	70	32383	16.928	ng	# 73
32) Benzoic acid	10.83	122	53	5.281	ng	# 1
49) Dimethylphthalate	14.82	163	198944	19.448	ng	# 99
56) 2,4-Dinitrotoluene	15.40	165	14784	5.172	ng	# 16
62) Azobenzene	16.73	77	144828	23.332	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.87	198	752	5.224	ng	# 39
66) 4-Bromophenyl-phenylether	16.87	248	23476	5.315	ng	# 1

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

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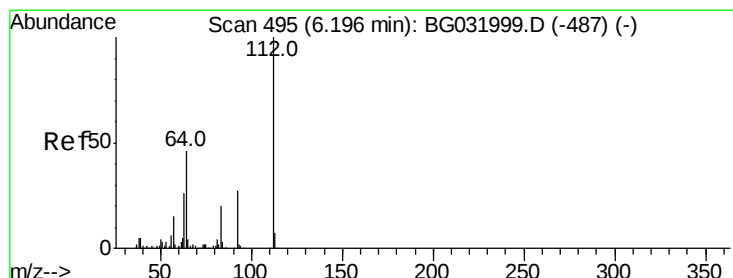
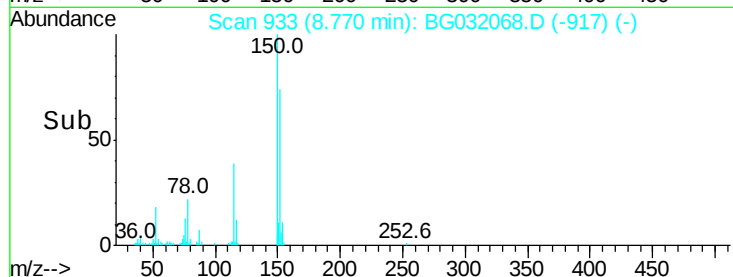
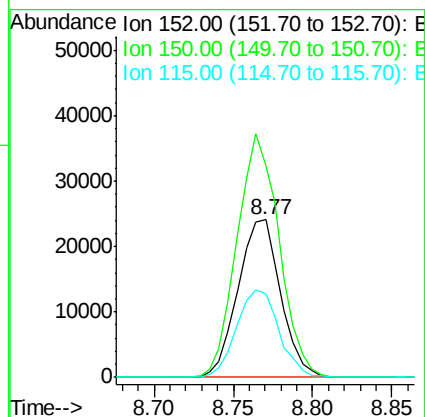
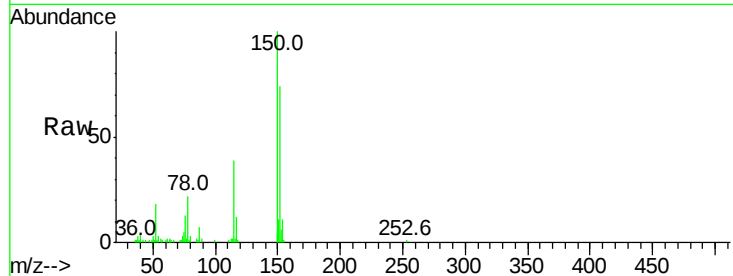


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Instrument :
BNA_G
ClientSampleId :

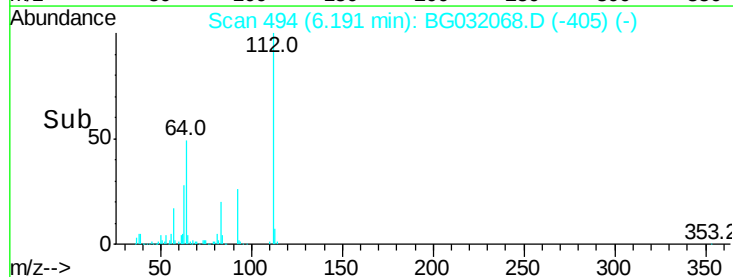
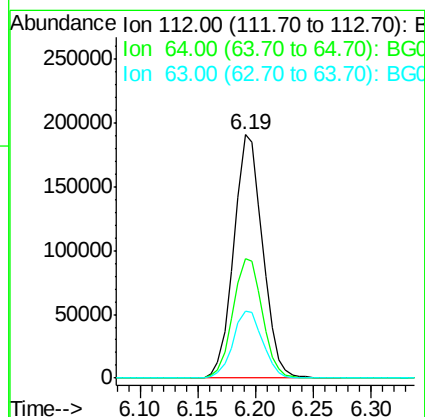
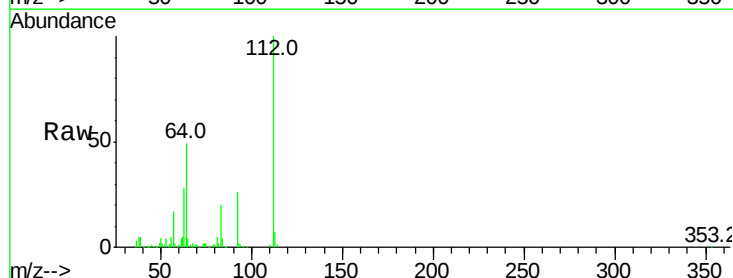
Tot Ion:152 Resp: 44774
Ion Ratio Lower Upper
152 100
150 134.5 126.6 189.8
115 52.8 53.0 79.4#

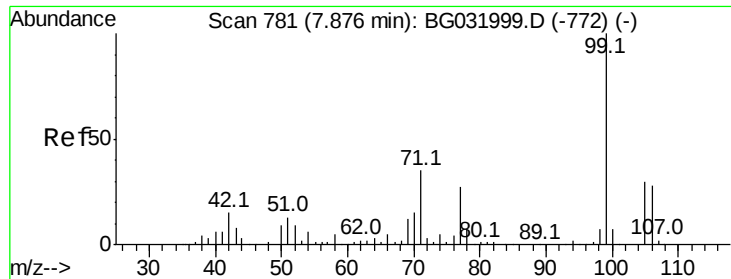


#5

2-Fluorophenol
Concen: 135.178 ng
RT: 6.19 min Scan# 494
Delta R.T. -0.00 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Tgt Ion:112 Resp: 330928
Ion Ratio Lower Upper
112 100
64 48.9 56.3 84.5#
63 27.7 30.1 45.1#





#7

Phenol-d6

Concen: 132.346 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032068.D

Acq: 16 Jan 2018 14:14

Instrument :

BNA_G

ClientSampled :

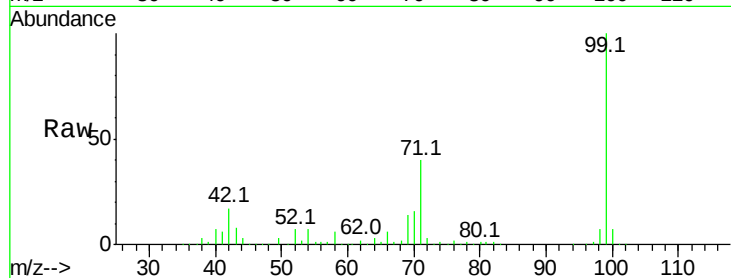
Tot Ion: 99 Resp: 408051

Ion Ratio Lower Upper

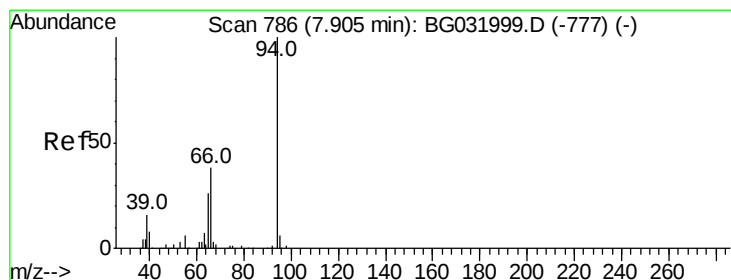
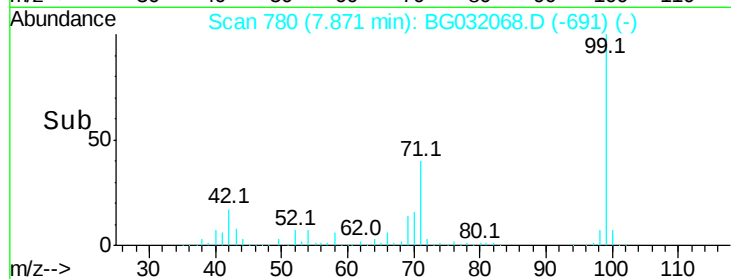
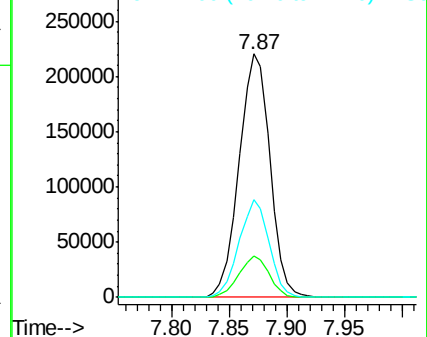
99 100

42 17.2 14.1 21.1

71 40.1 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: 4.940 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.00 min

Lab File: BG032068.D

Acq: 16 Jan 2018 14:14

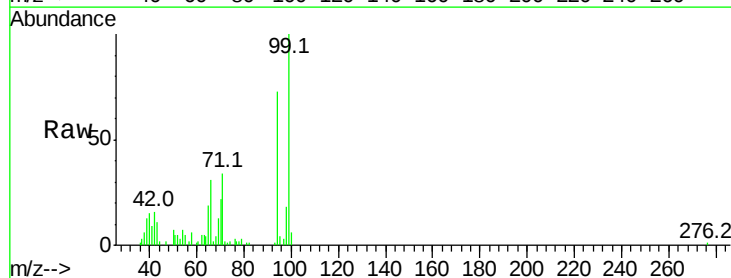
Tgt Ion: 94 Resp: 15003

Ion Ratio Lower Upper

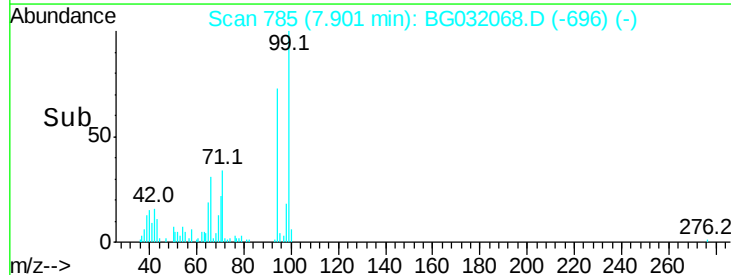
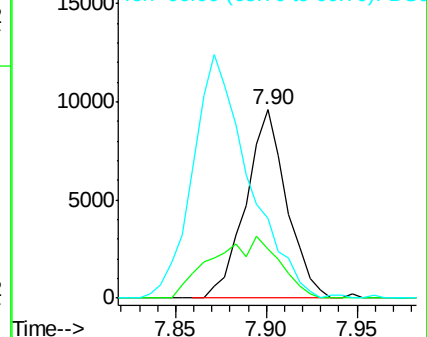
94 100

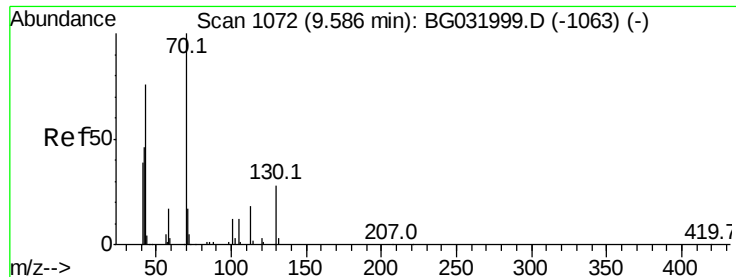
65 25.8 11.9 51.9

66 42.6 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

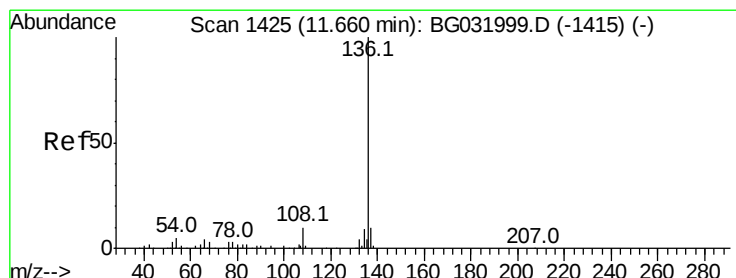
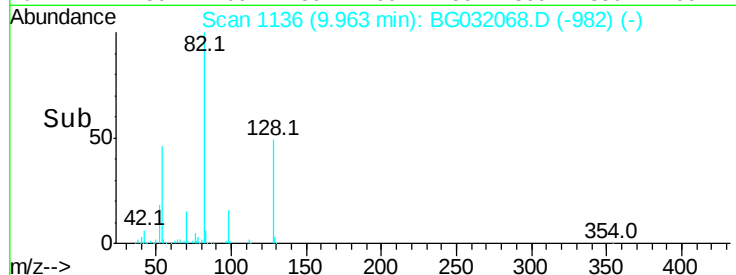
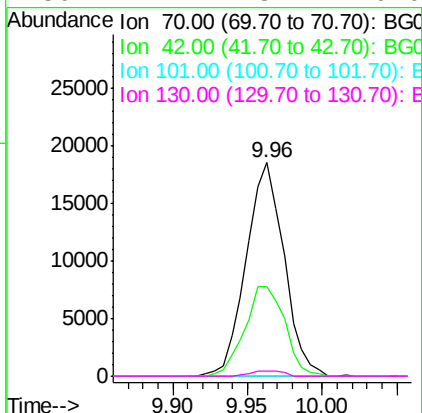
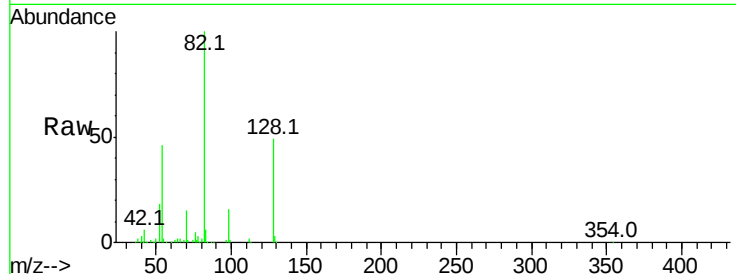




#19
n-Nitroso-di-n-propylamine
Concen: 16.928 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

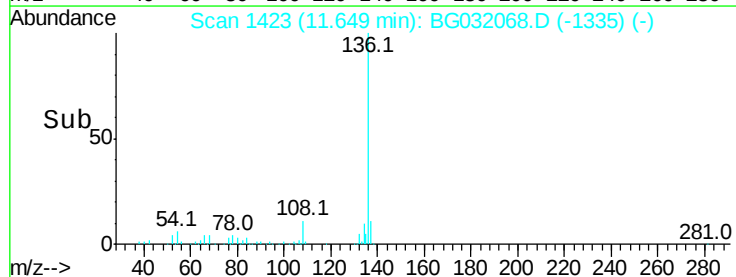
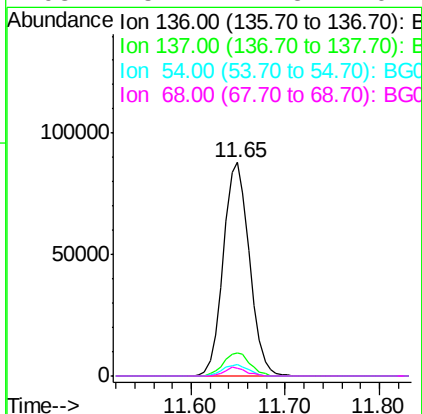
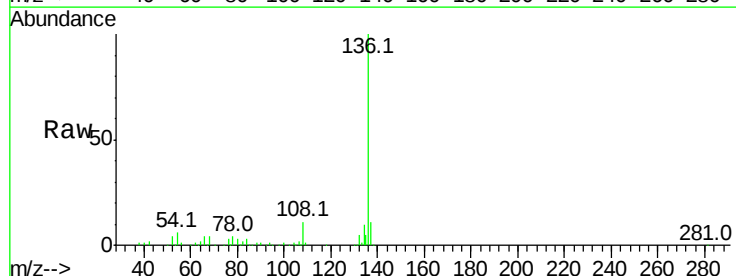
Instrument :
BNA_G
ClientSampleId :

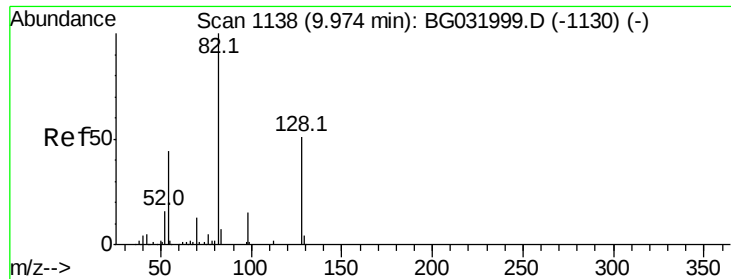
Tot Ion: 70 Resp: 32383
Ion Ratio Lower Upper
70 100
42 42.0 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Tgt Ion: 136 Resp: 169023
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 5.7 10.3 15.5#
68 3.7 4.5 6.7#

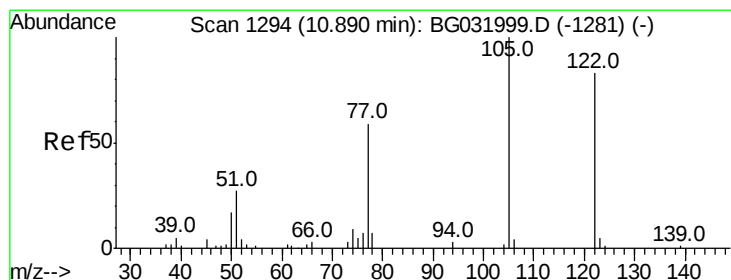
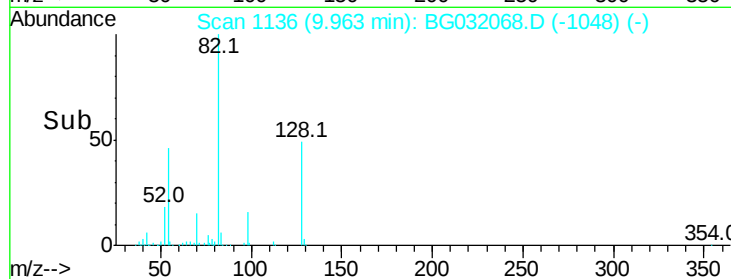
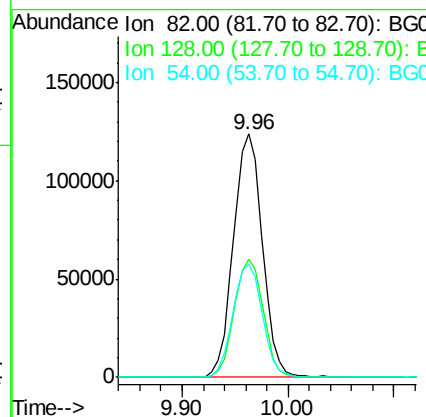
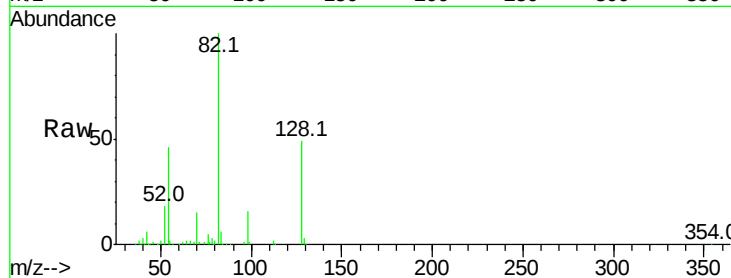




#23
Nitrobenzene-d5
Concen: 93.628 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

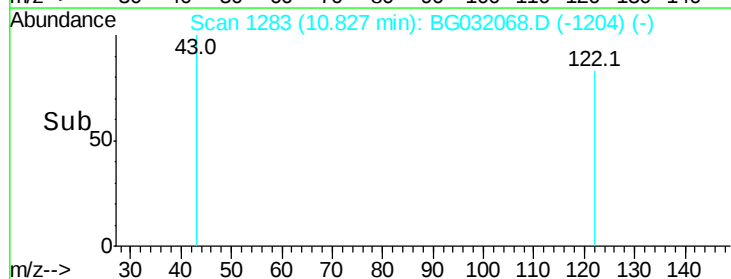
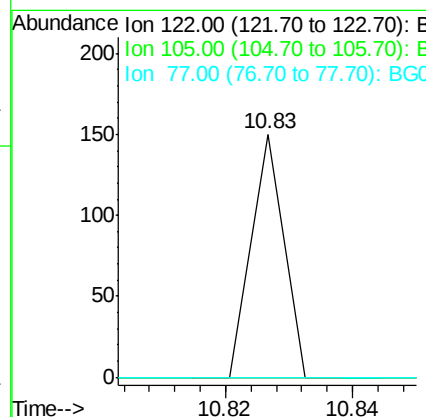
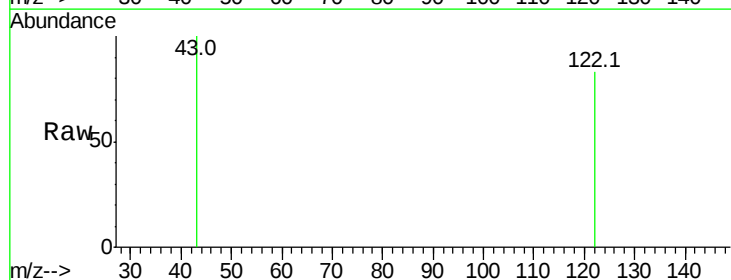
Instrument :
BNA_G
ClientSampleId :

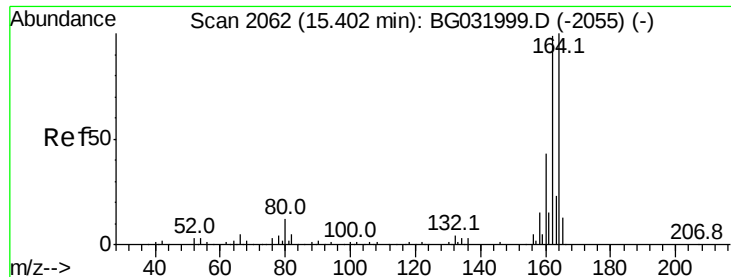
Tot Ion: 82 Resp: 233914
Ion Ratio Lower Upper
82 100
128 48.5 29.7 44.5#
54 46.2 43.1 64.7



#32
Benzoic acid
Concen: 5.281 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.06 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Tgt Ion: 122 Resp: 53
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: BG032068.D

Acq: 16 Jan 2018 14:14

Instrument :

BNA_G

ClientSampleId :

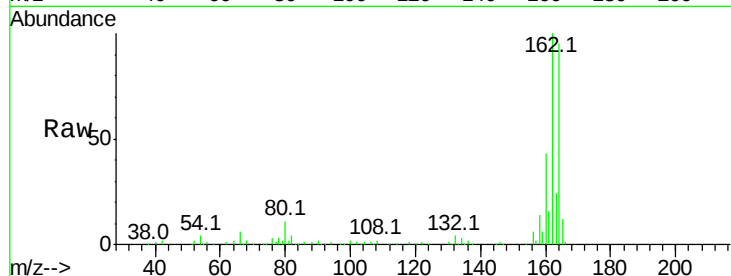
Tot Ion:164 Resp: 116899

Ion Ratio Lower Upper

164 100

162 105.3 78.8 118.2

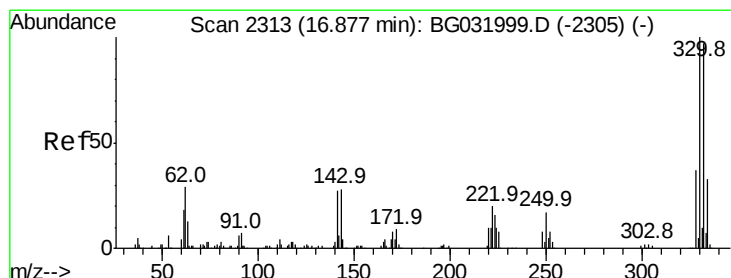
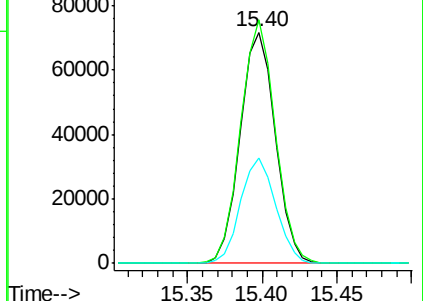
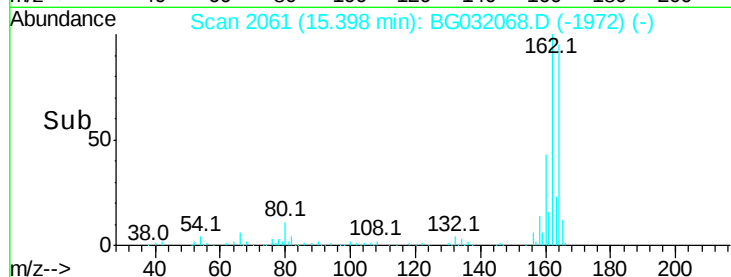
160 45.5 35.4 53.0



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: 145.023 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.00 min

Lab File: BG032068.D

Acq: 16 Jan 2018 14:14

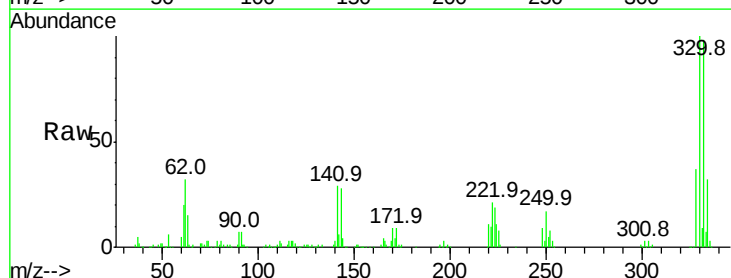
Tgt Ion:330 Resp: 280534

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

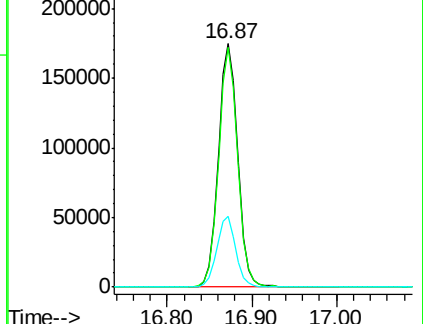
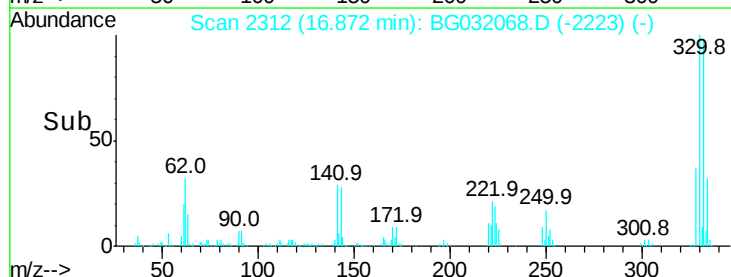
141 28.8 25.2 37.8

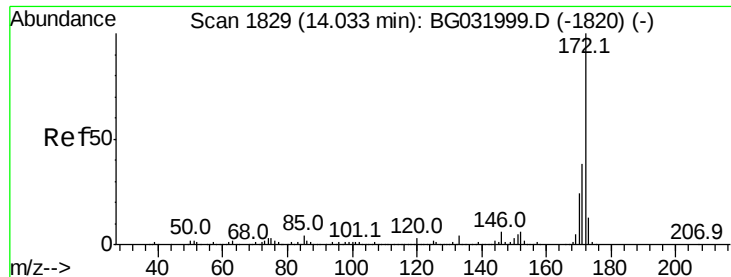


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

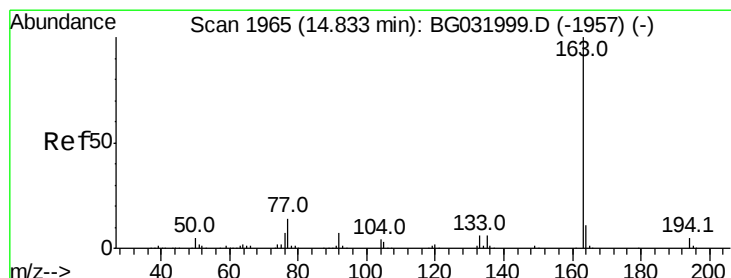
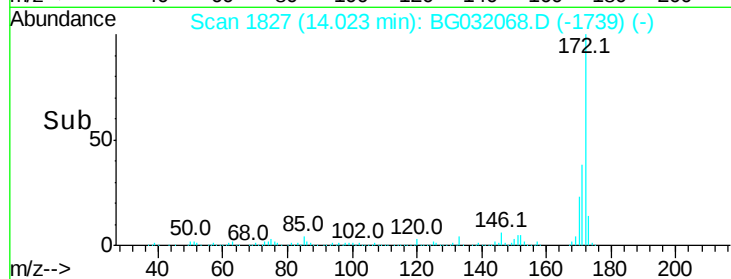
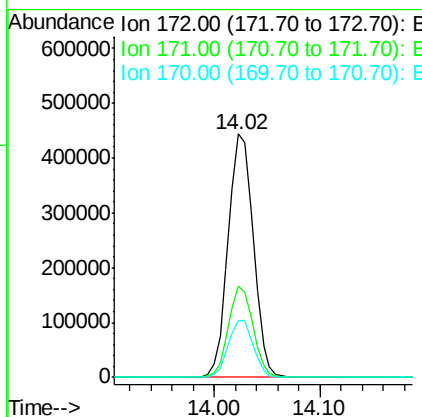
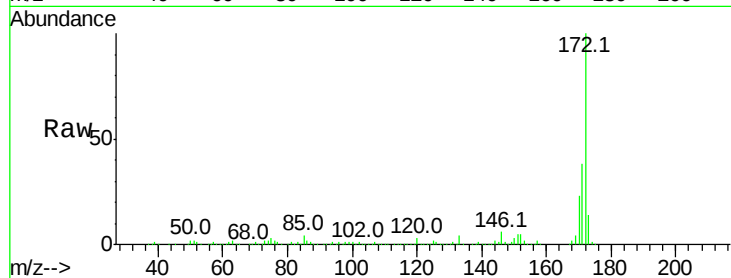




#44
2-Fluorobiphenyl
Concen: 77.390 ng
RT: 14.02 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

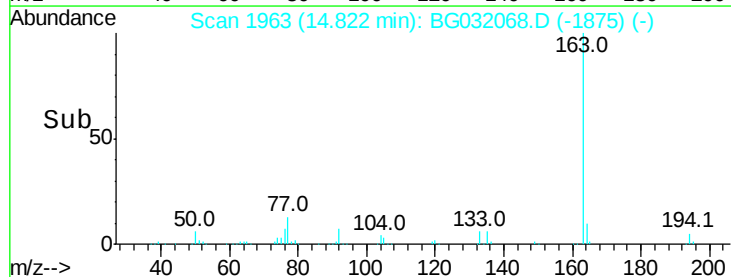
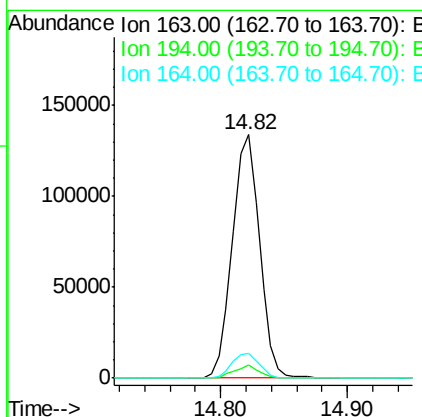
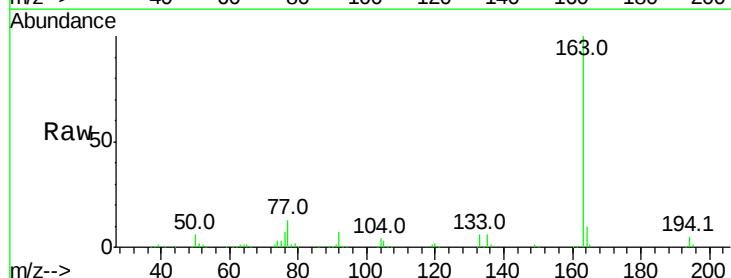
Instrument :
BNA_G
ClientSampled :

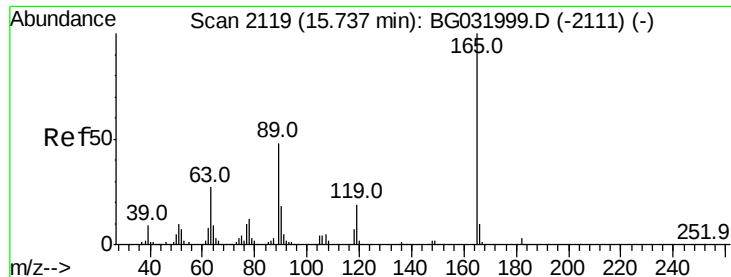
Tot Ion:172 Resp: 729612
Ion Ratio Lower Upper
172 100
171 37.5 30.0 45.0
170 23.3 19.5 29.3



#49
Dimethylphthalate
Concen: 19.448 ng
RT: 14.82 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Tgt Ion:163 Resp: 198944
Ion Ratio Lower Upper
163 100
194 5.3 3.4 5.2#
164 10.1 8.2 12.4

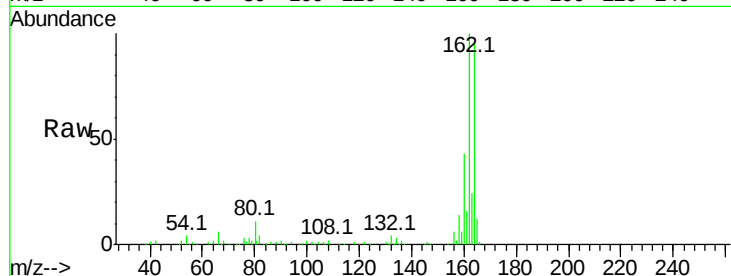




#56
2,4-Dinitrotoluene
Concen: 5.172 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

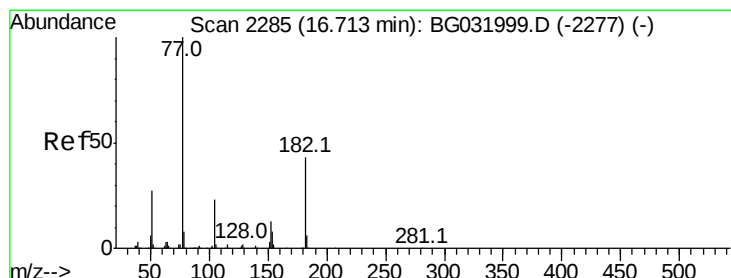
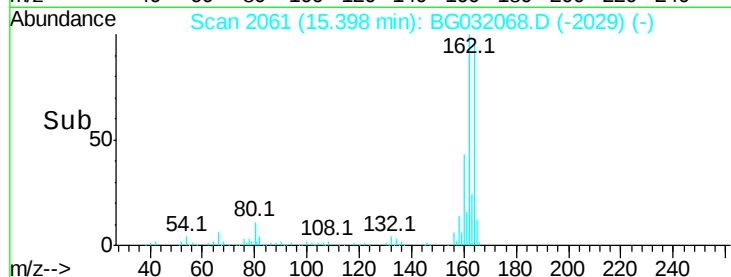
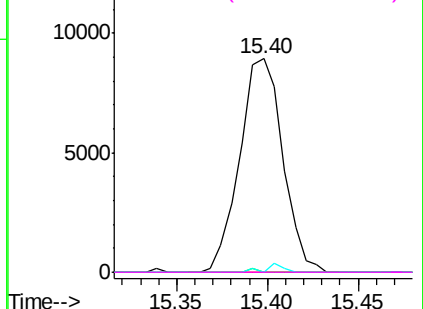
Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 14784
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#



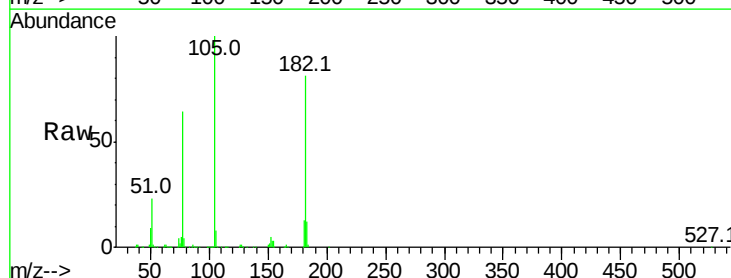
Abundance Ion 165.00 (164.70 to 165.70): E

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): BGC



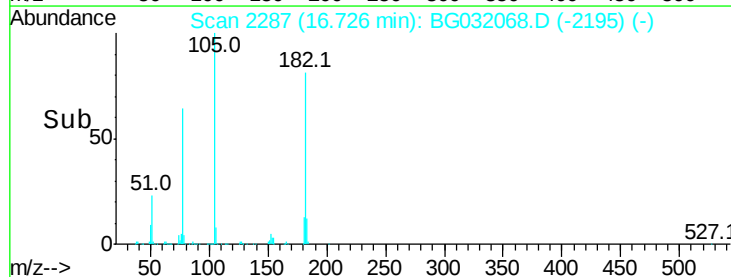
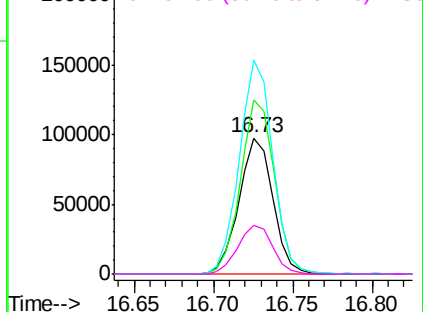
#62
Azobenzene
Concen: 23.332 ng
RT: 16.73 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

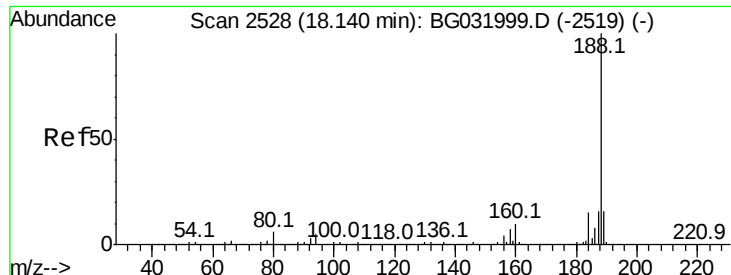
Tgt Ion: 77 Resp: 144828
Ion Ratio Lower Upper
77 100
182 127.5 7.4 47.4#
105 156.7 0.3 40.3#
51 35.4 11.6 51.6



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

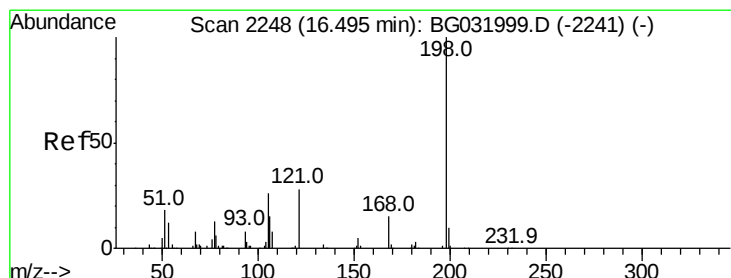
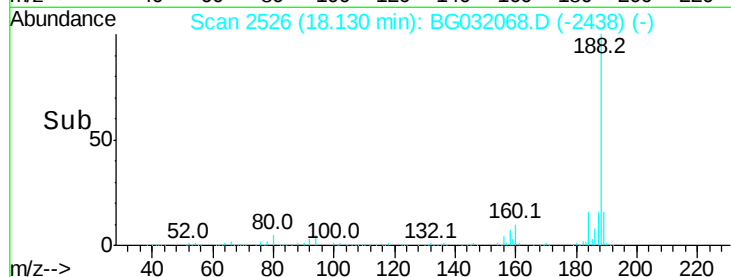
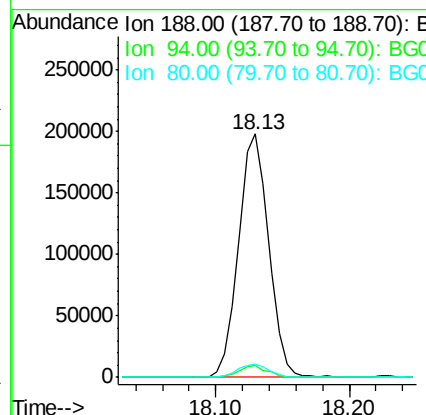
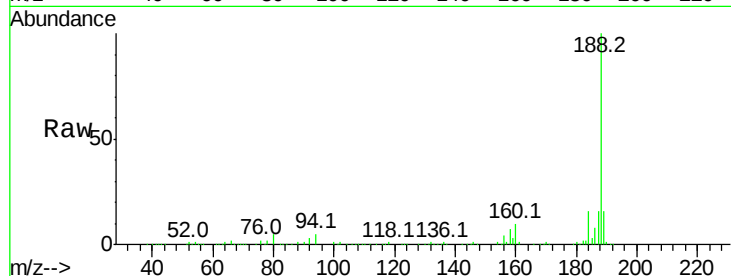




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

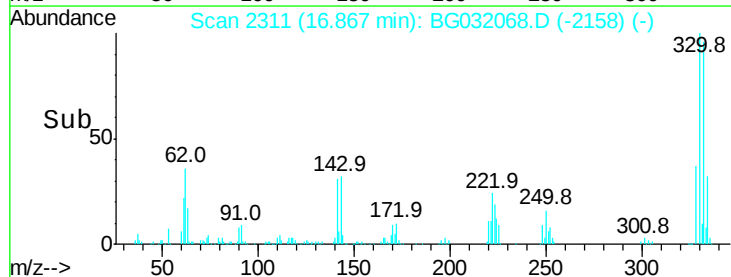
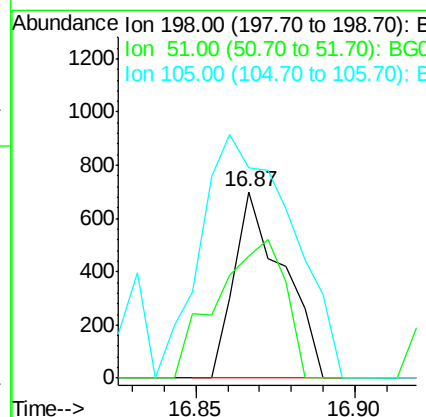
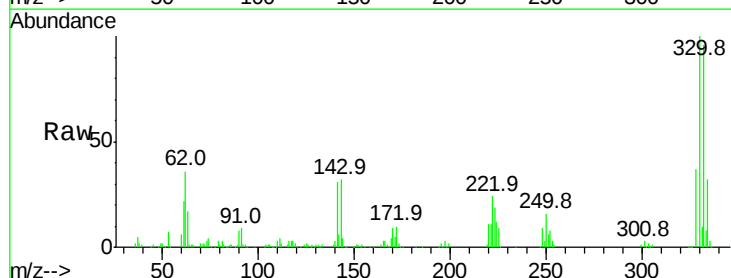
Instrument :
BNA_G
ClientSampleId :

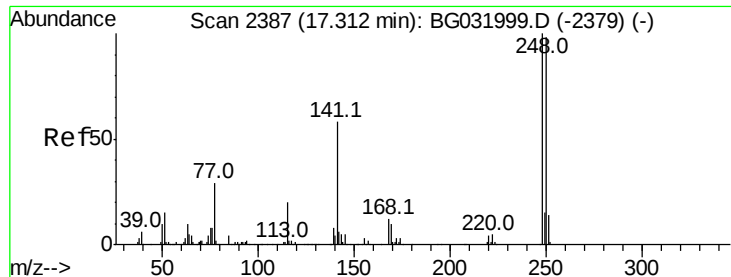
Tot Ion:188 Resp: 310419
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 5.3 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.224 ng
RT: 16.87 min Scan# 2311
Delta R.T. 0.37 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Tgt Ion:198 Resp: 752
Ion Ratio Lower Upper
198 100
51 65.5 30.6 70.6
105 112.6 23.8 63.8#

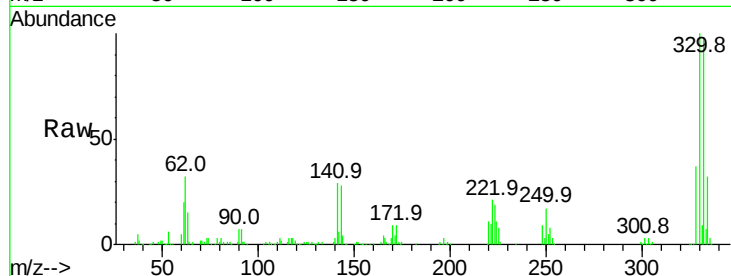




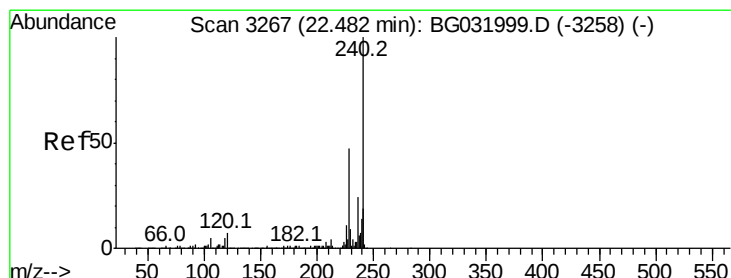
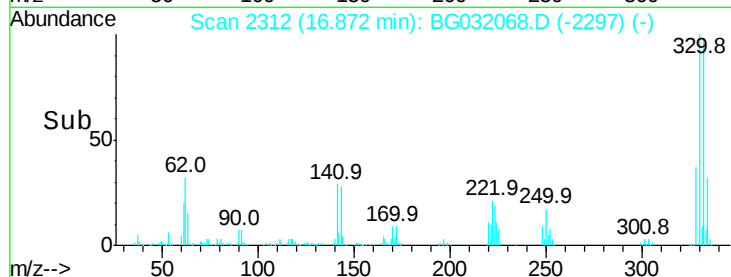
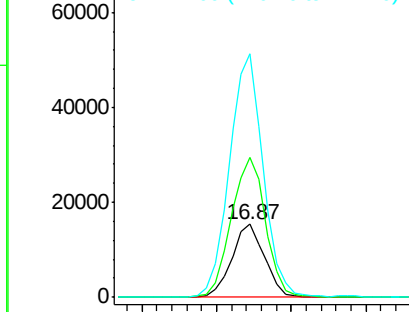
#66
4-Bromophenyl-phenylether
Concen: 5.315 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 23476
Ion Ratio Lower Upper
248 100
250 192.1 77.1 115.7#
141 332.9 50.8 76.2#

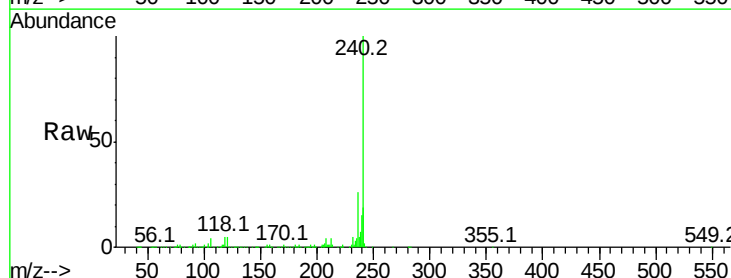


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

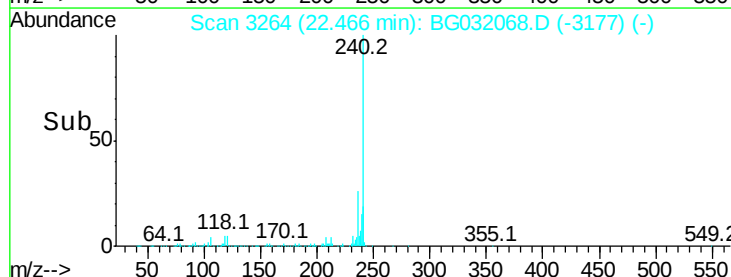
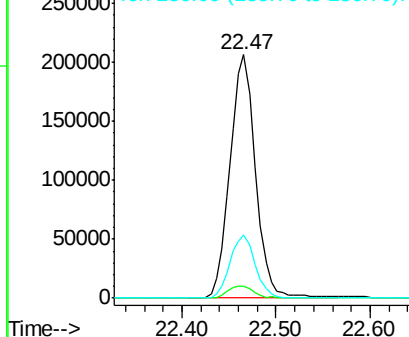


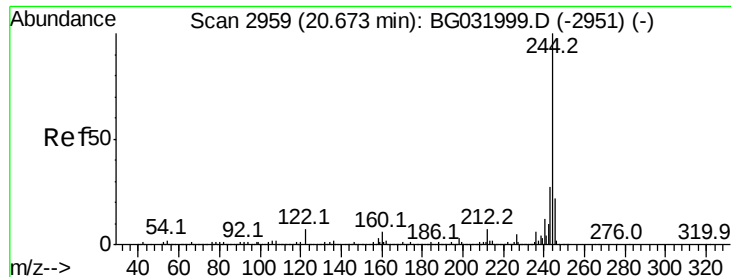
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.47 min Scan# 3264
Delta R.T. -0.02 min
Lab File: BG032068.D
Acq: 16 Jan 2018 14:14

Tgt Ion:240 Resp: 390502
Ion Ratio Lower Upper
240 100
120 4.9 6.8 10.2#
236 26.1 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





#78

Terphenyl-d14

Concen: 77.032 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032068.D

Acq: 16 Jan 2018 14:14

Instrument :

BNA_G

ClientSampleId :

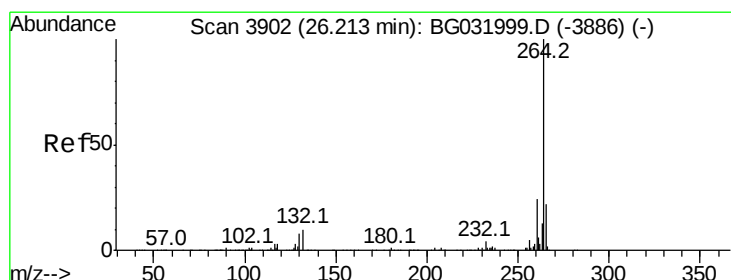
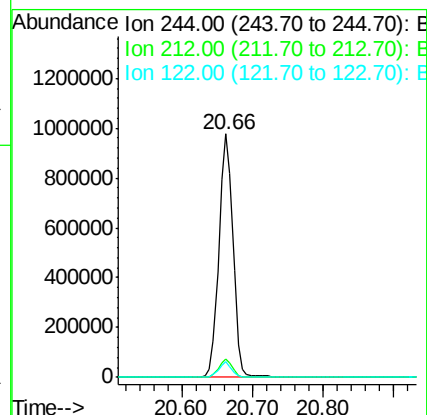
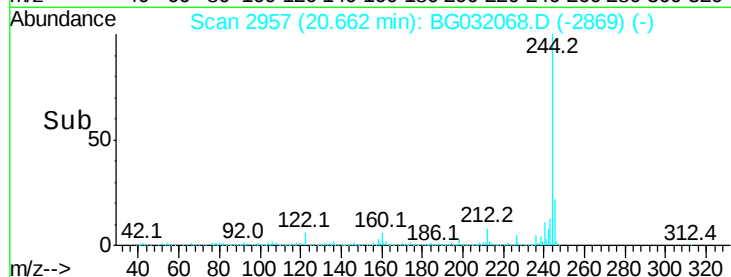
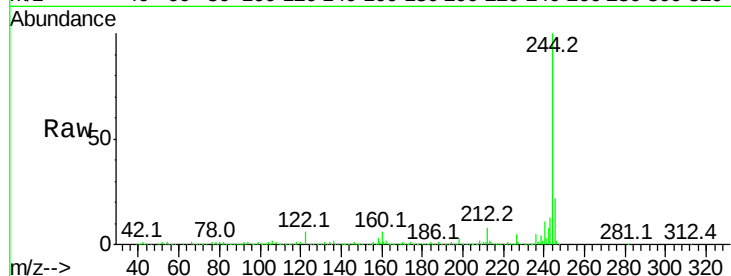
Tot Ion:244 Resp: 1362351

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 6.3 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.18 min Scan# 3896

Delta R.T. -0.03 min

Lab File: BG032068.D

Acq: 16 Jan 2018 14:14

Tgt Ion:264 Resp: 408391

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 23.1 17.7 26.5

