

Data Path : U:\HPCHEM1\BNA G\DATA\BG012518\
 Data File : BG032317.D
 Acq On : 26 Jan 2018 6:39
 Operator : SJ/JU
 Sample : J1267-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 26 07:18:37 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

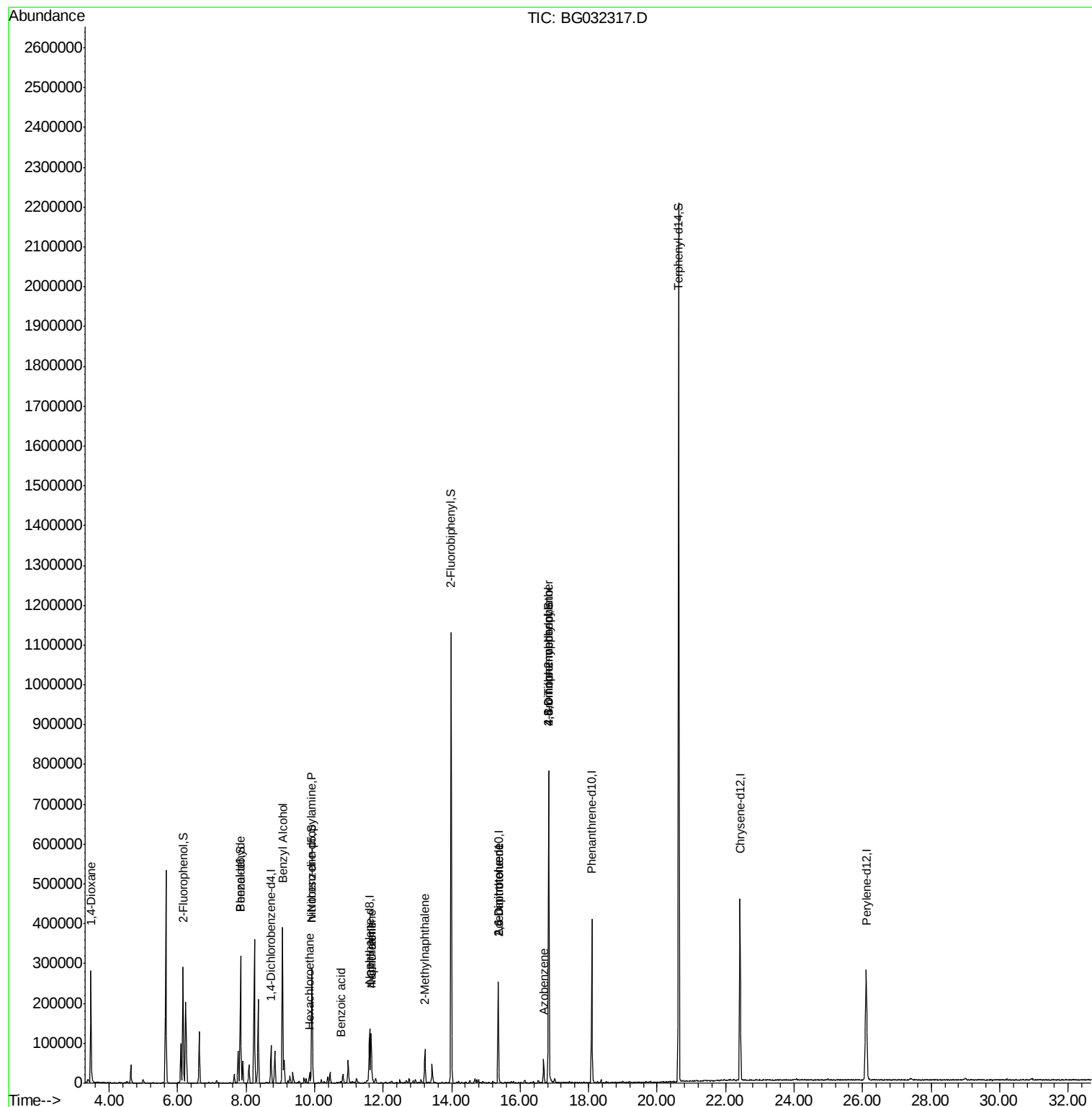
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	31511	20.00	ng	0.00
21) Naphthalene-d8	11.60	136	126087	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	98155	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	280060	20.00	ng	0.00
75) Chrysene-d12	22.42	240	352739	20.00	ng	0.00
86) Perylene-d12	26.10	264	374979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	145631	84.53	ng	0.00
7) Phenol-d6	7.83	99	170732	78.68	ng	0.00
23) Nitrobenzene-d5	9.92	82	172134	92.36	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	176916	108.92	ng	0.00
44) 2-Fluorobiphenyl	13.98	172	668973	84.51	ng	0.00
78) Terphenyl-d14	20.63	244	1181933	73.99	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	3077	4.649	ng	# 1
9) Benzaldehyde	7.83	77	3448	2.743	ng	# 1
15) Benzyl Alcohol	9.05	79	3481	2.208	ng	# 24
18) Hexachloroethane	9.86	117	4551	5.829	ng	# 15
19) n-Nitroso-di-n-propylamine	9.92	70	25846	19.197	ng	# 73
31) Naphthalene	11.66	128	112019	17.934	ng	# 96
32) Benzoic acid	10.76	122	341	5.473	ng	# 6
33) 4-Chloroaniline	11.66	127	15882	5.930	ng	# 32
37) 2-Methylnaphthalene	13.22	142	40416	8.150	ng	# 95
50) 2,6-Dinitrotoluene	15.36	165	12493	7.007	ng	# 18
56) 2,4-Dinitrotoluene	15.36	165	12493	5.205	ng	# 16
62) Azobenzene	16.69	77	14576	2.797	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.83	198	570	5.170	ng	# 53
66) 4-Bromophenyl-phenylether	16.83	248	14910	3.742	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: 8.72 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

Instrument :

BNA_G

ClientSampleId :

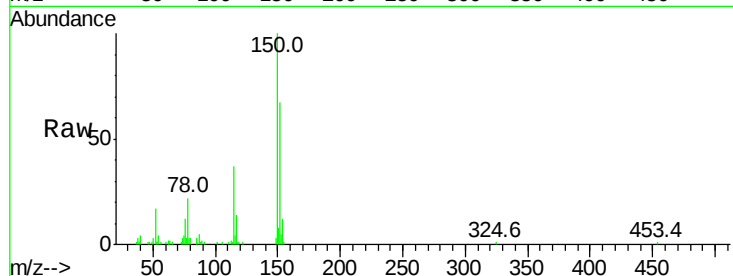
Tot Ion:152 Resp: 31511

Ion Ratio Lower Upper

152 100

150 148.7 126.6 189.8

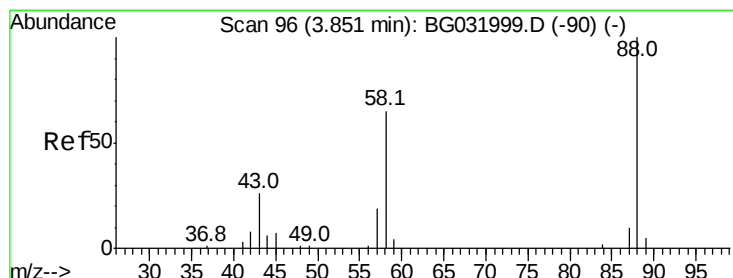
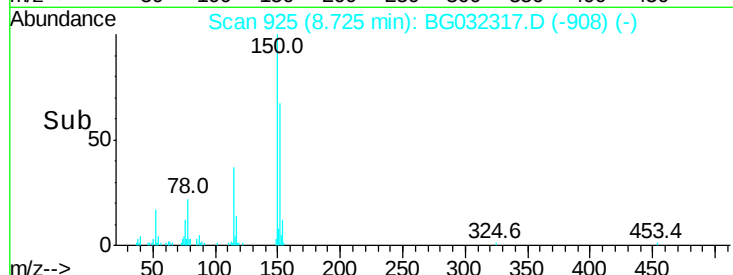
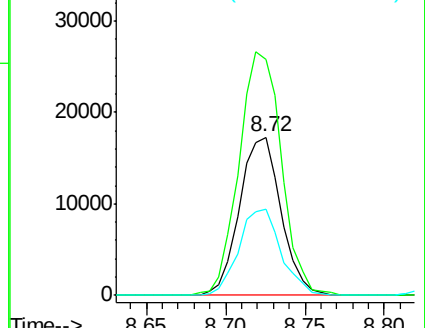
115 54.8 53.0 79.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.649 ng

RT: 3.47 min Scan# 30

Delta R.T. -0.36 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

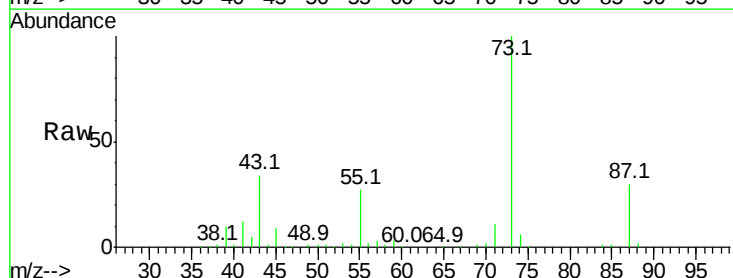
Tgt Ion: 88 Resp: 3077

Ion Ratio Lower Upper

88 100

58 37.2 79.6 119.4#

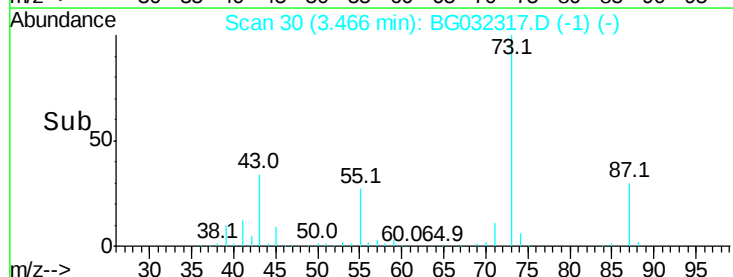
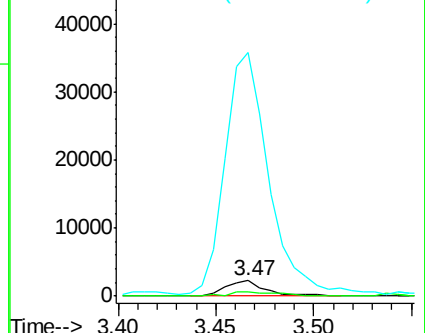
43 1778.3 27.4 41.0#

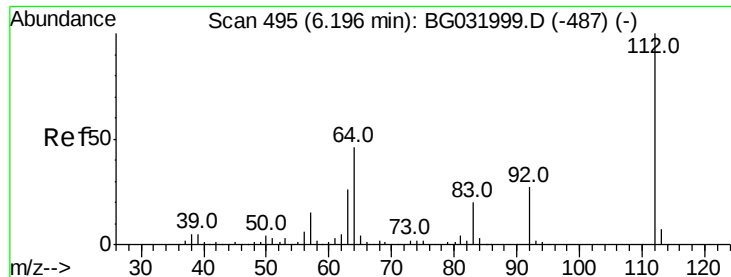


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 84.526 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

Instrument :

BNA_G

ClientSampleId :

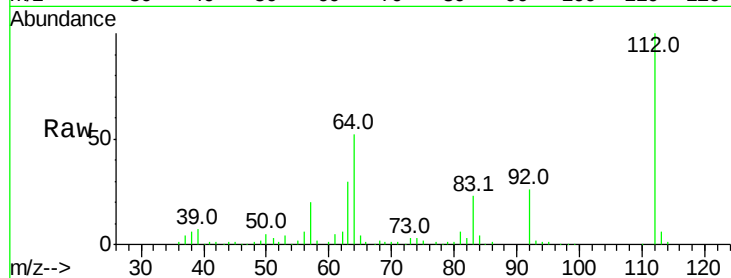
Tot Ion:112 Resp: 145631

Ion Ratio Lower Upper

112 100

64 51.8 56.3 84.5#

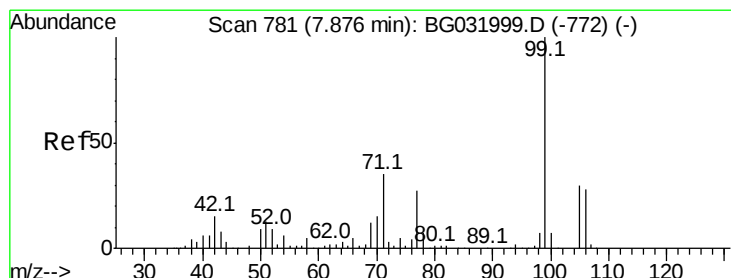
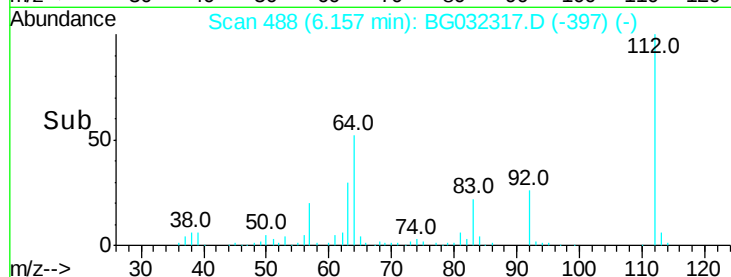
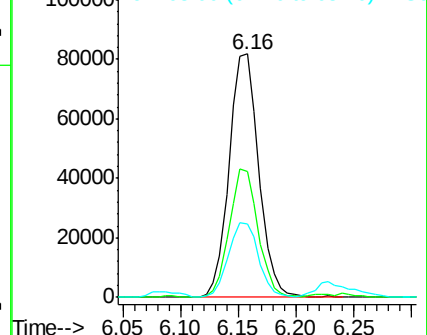
63 30.4 30.1 45.1



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: 78.682 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

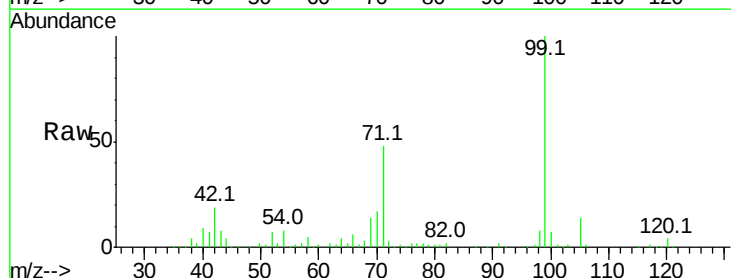
Tgt Ion: 99 Resp: 170732

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

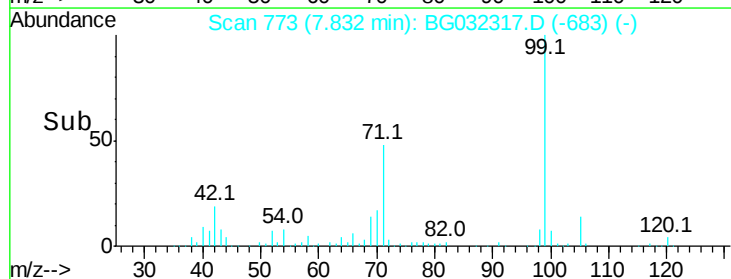
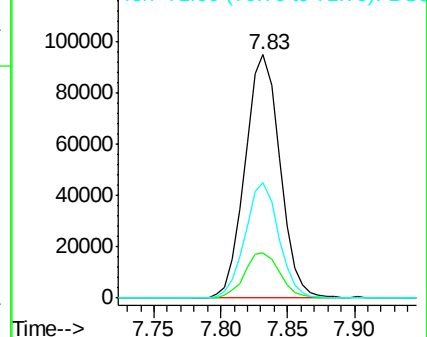
71 47.5 26.1 39.1#

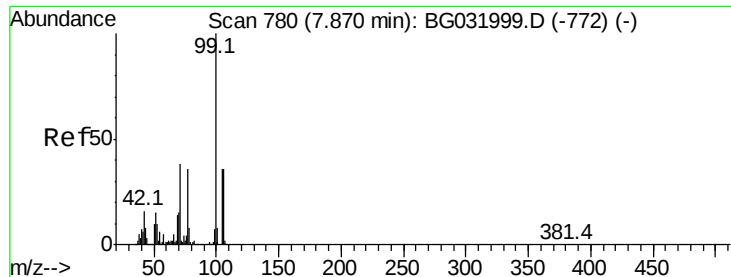


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 2.743 ng

RT: 7.83 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

Instrument :

BNA_G

ClientSampleId :

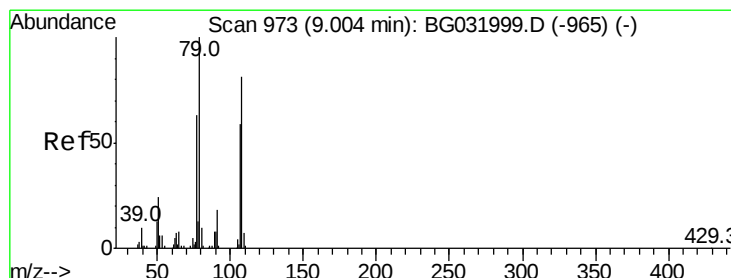
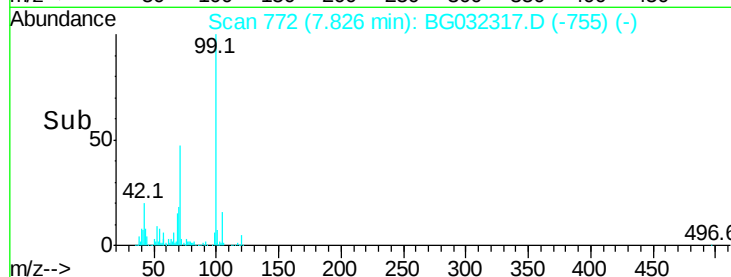
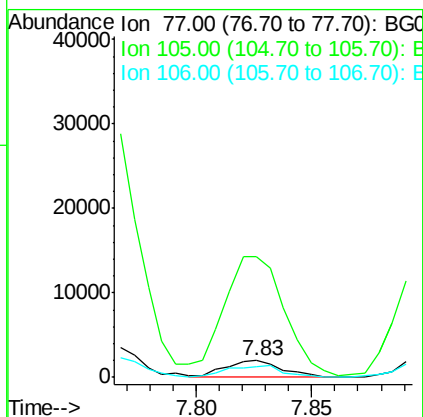
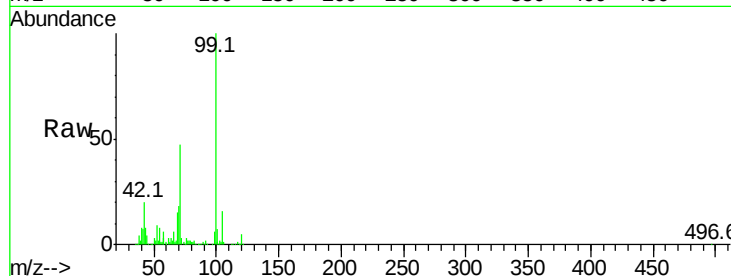
Tot Ion: 77 Resp: 3448

Ion Ratio Lower Upper

77 100

105 737.1 71.3 111.3#

106 64.9 64.2 104.2



#15

Benzyl Alcohol

Concen: 2.208 ng

RT: 9.05 min Scan# 981

Delta R.T. 0.09 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

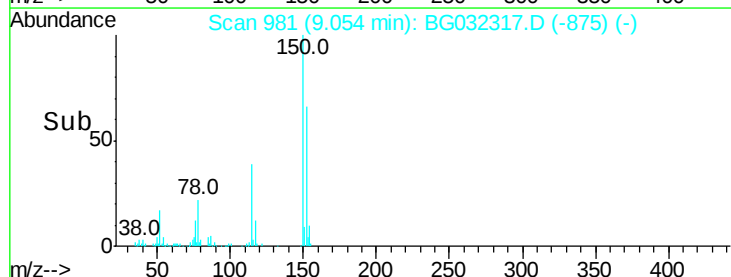
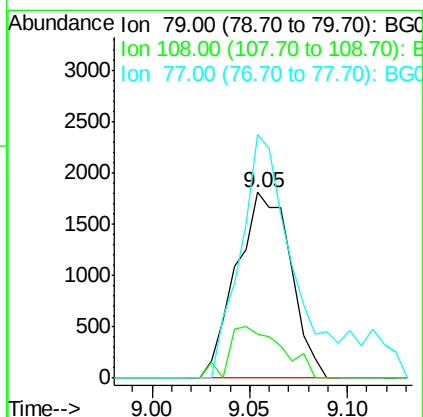
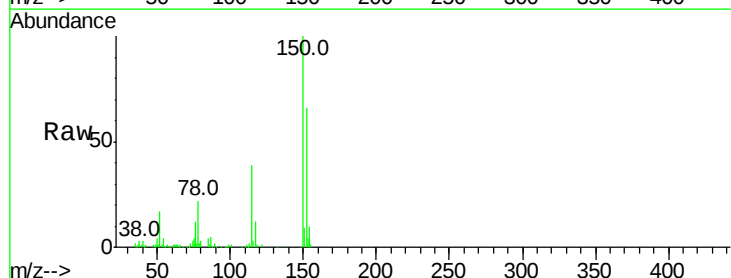
Tgt Ion: 79 Resp: 3481

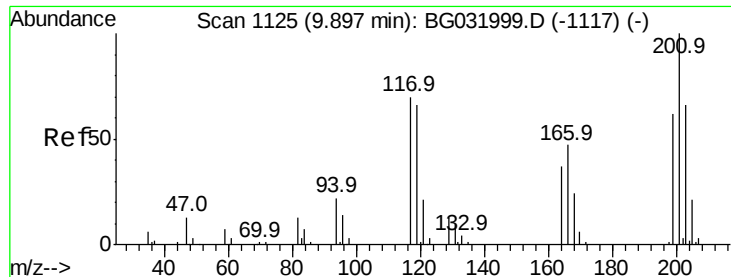
Ion Ratio Lower Upper

79 100

108 23.9 57.2 85.8#

77 131.1 46.1 69.1#

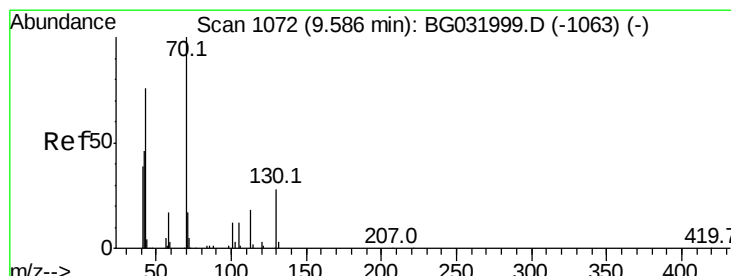
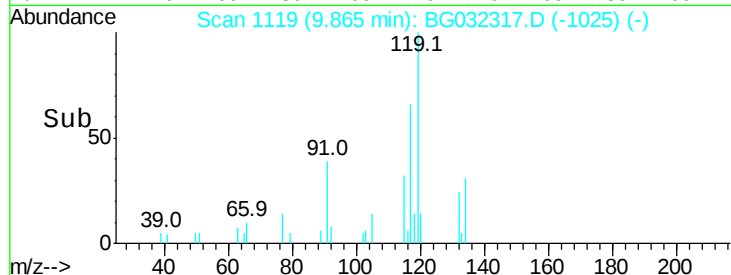
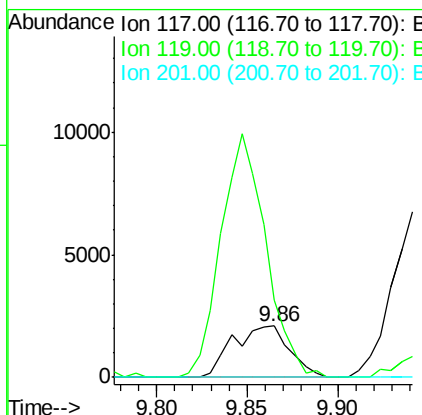
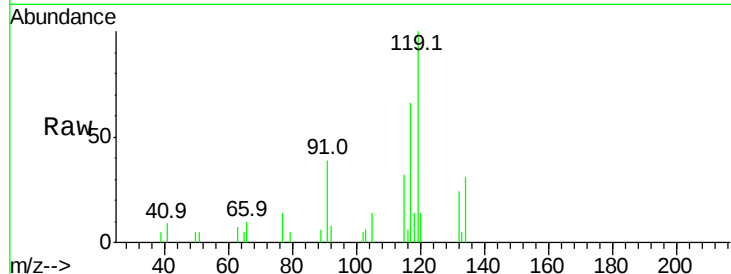




#18
Hexachloroethane
Concen: 5.829 ng
RT: 9.86 min Scan# 1119
Delta R.T. 0.02 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

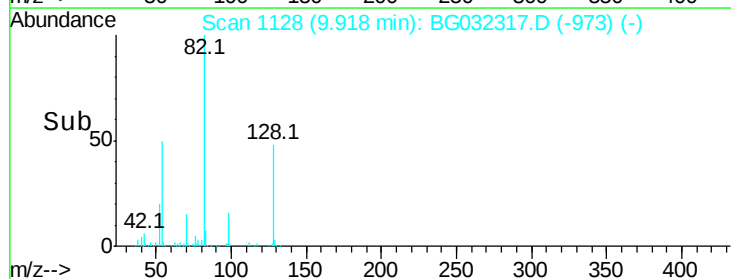
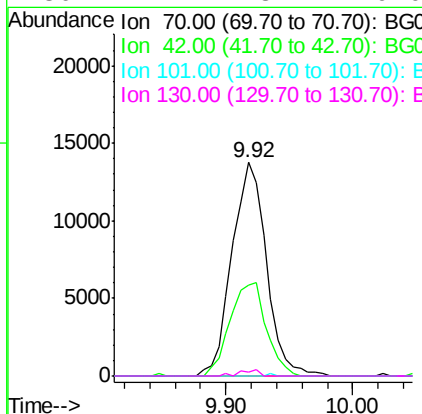
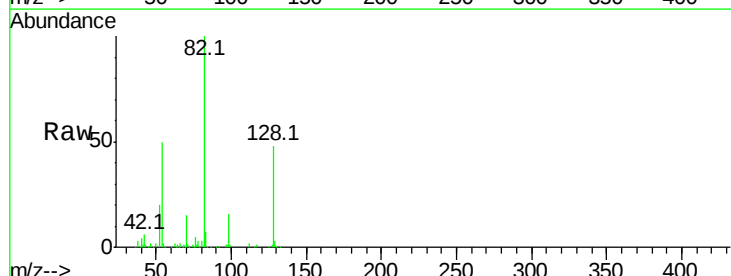
Instrument :
BNA_G
ClientSampled :

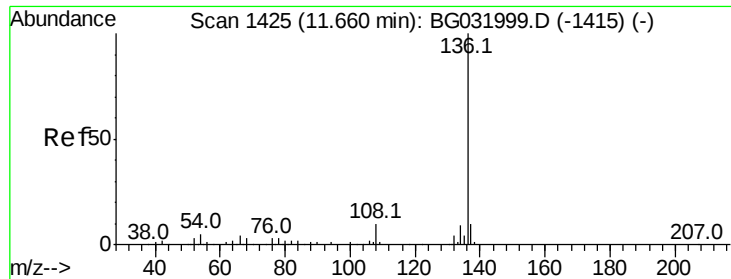
Tot Ion:117 Resp: 4551
Ion Ratio Lower Upper
117 100
119 151.1 76.7 115.1#
201 0.0 95.7 143.5#



#19
n-Nitroso-di-n-propylamine
Concen: 19.197 ng
RT: 9.92 min Scan# 1128
Delta R.T. 0.38 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Tgt Ion: 70 Resp: 25846
Ion Ratio Lower Upper
70 100
42 42.6 49.1 73.7#
101 0.0 8.5 12.7#
130 1.7 13.4 20.0#

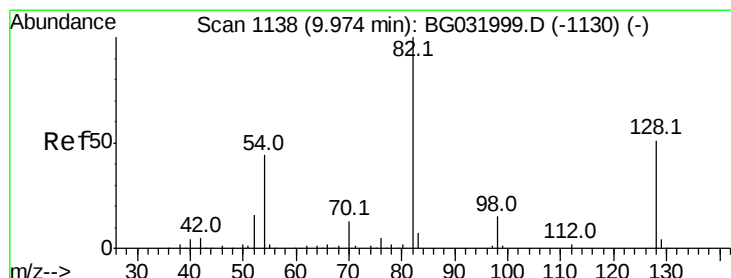
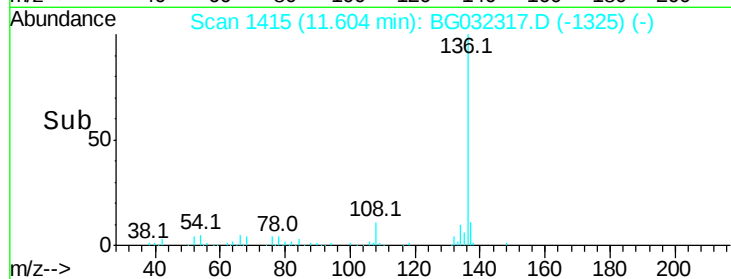
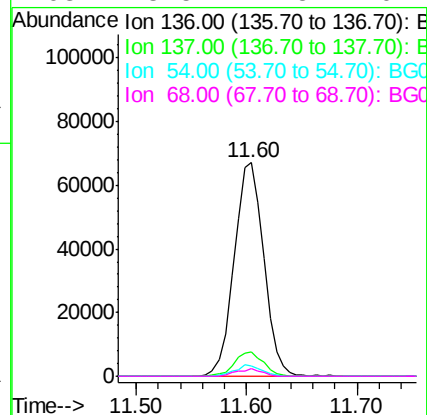
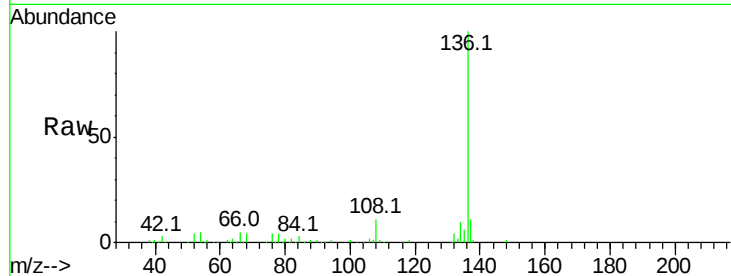




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.60 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

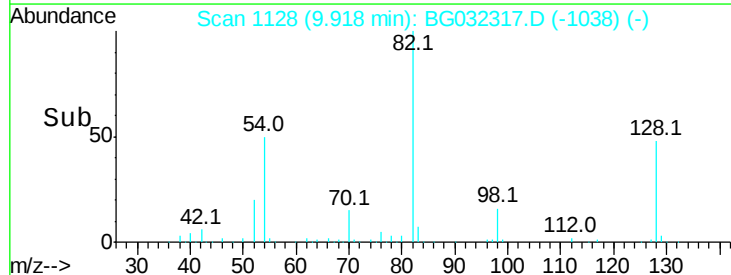
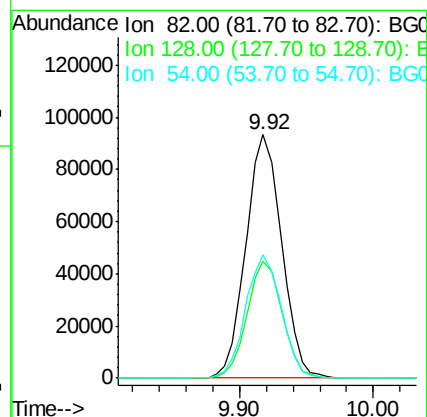
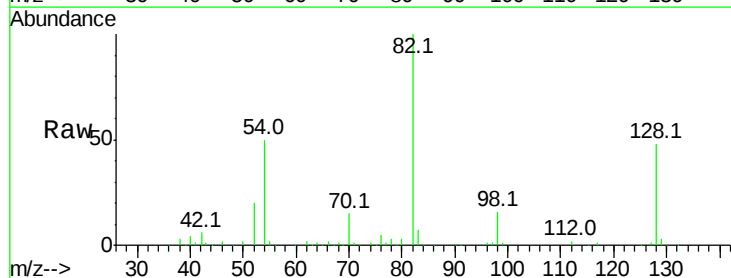
Instrument :
BNA_G
ClientSampleId :

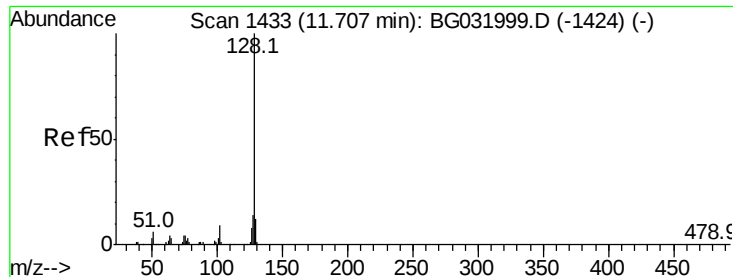
Tot Ion:136	Resp:	126087
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	4.6	10.3 15.5#
68	3.5	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 92.362 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Tgt Ion: 82	Resp:	172134
Ion Ratio	Lower	Upper
82	100	
128	48.1	29.7 44.5#
54	50.4	43.1 64.7

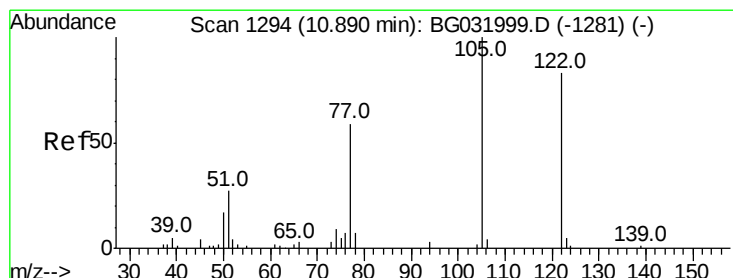
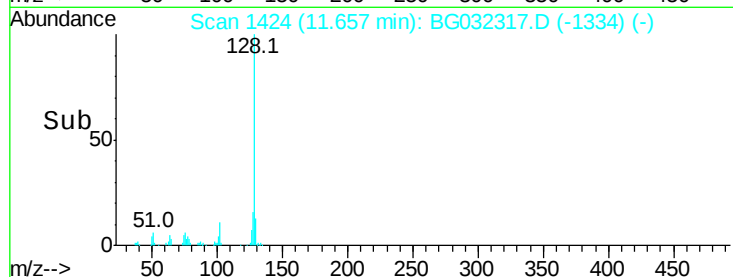
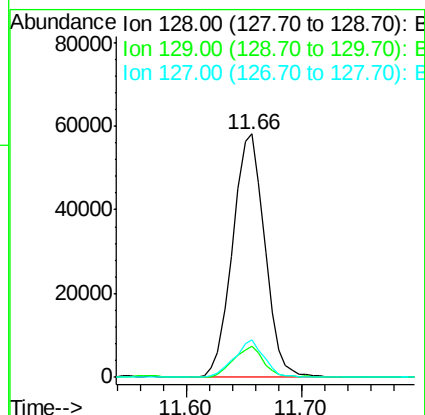
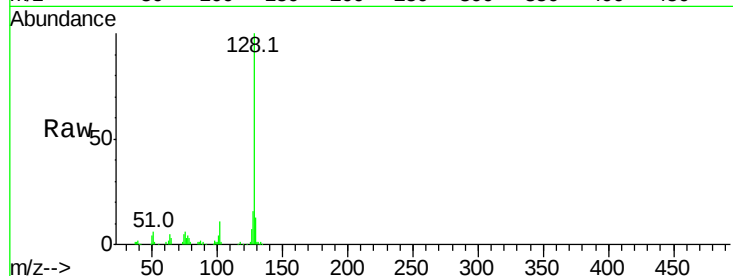




#31
Naphthalene
Concen: 17.934 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

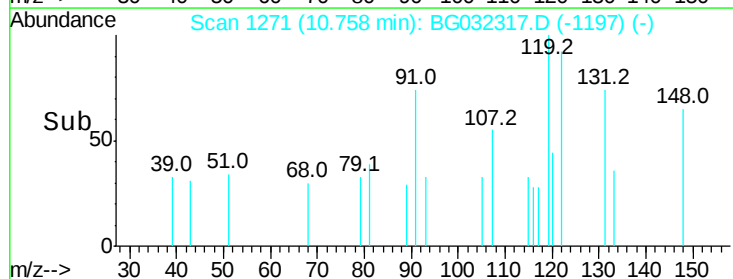
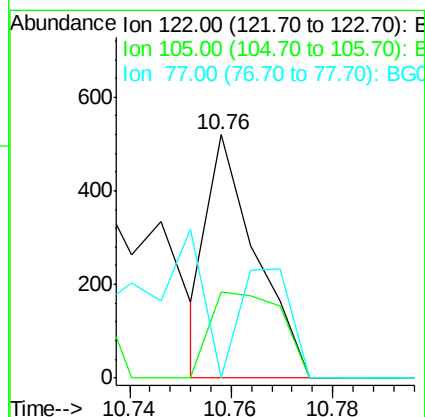
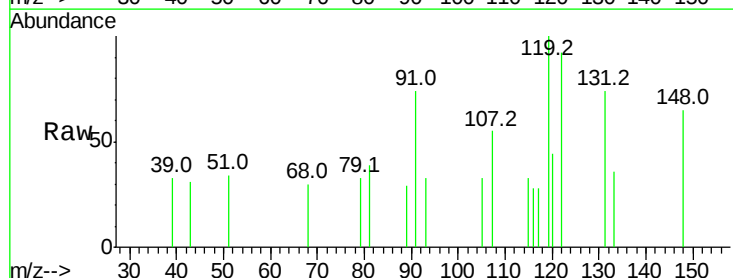
Instrument :
BNA_G
ClientSampleId :

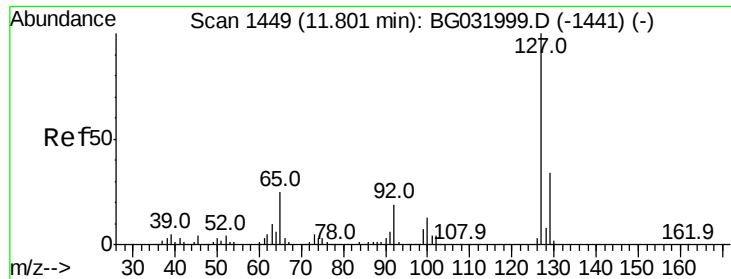
Tot Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.6	12.8
127	15.6	11.6	17.4



#32
Benzoic acid
Concen: 5.473 ng
RT: 10.76 min Scan# 1271
Delta R.T. -0.10 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Tgt Ion	Ratio	Lower	Upper
122	100		
105	35.6	123.5	163.5#
77	0.0	85.7	125.7#

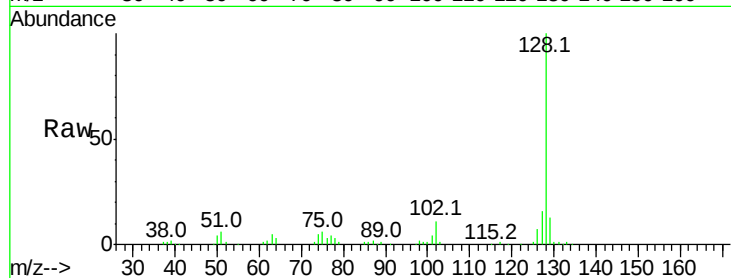




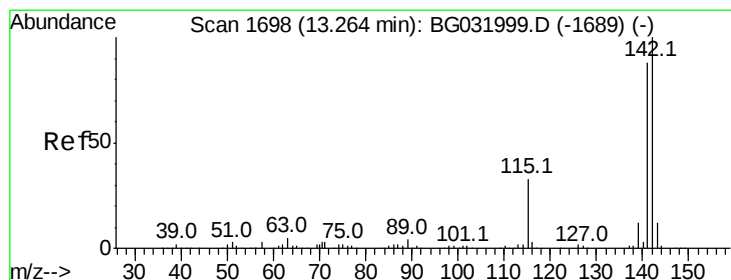
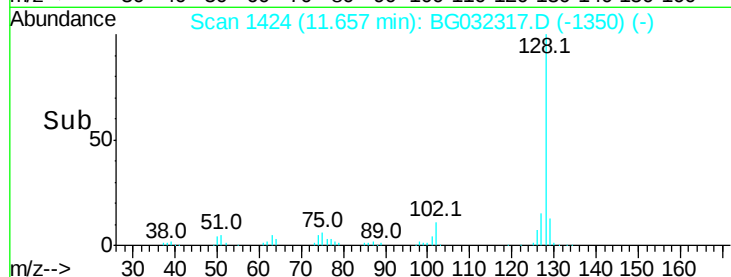
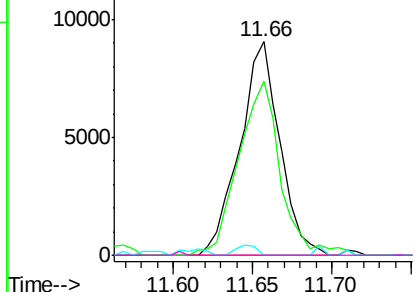
#33
4-Chloroaniline
Concen: 5.930 ng
RT: 11.66 min Scan# 1424
Delta R.T. -0.10 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 15882
Ion Ratio Lower Upper
127 100
129 81.8 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

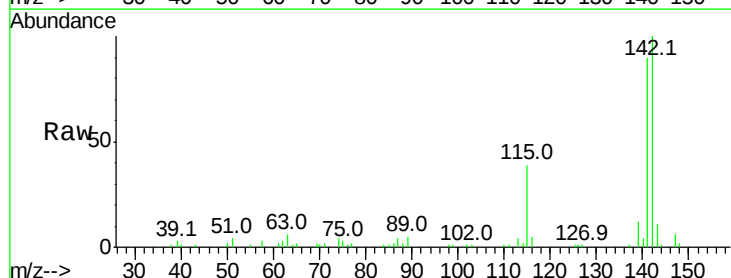


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

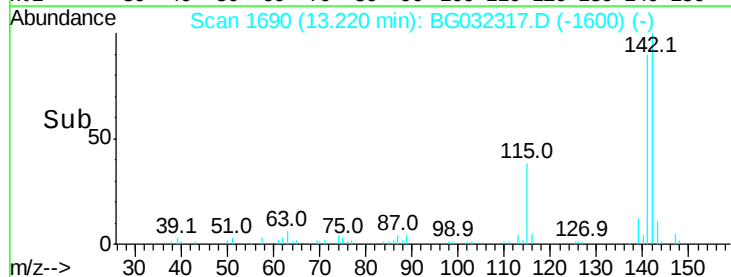
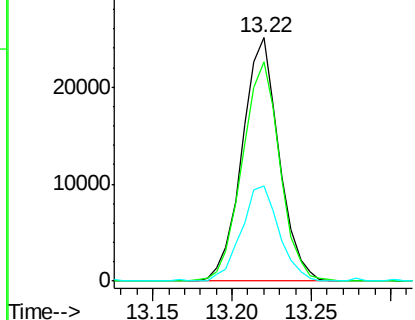


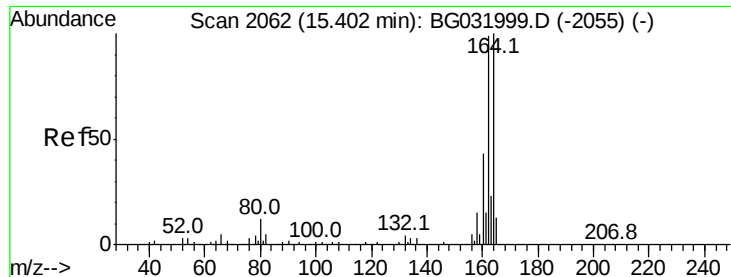
#37
2-Methylnaphthalene
Concen: 8.150 ng
RT: 13.22 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Tgt Ion:142 Resp: 40416
Ion Ratio Lower Upper
142 100
141 90.3 67.1 100.7
115 39.2 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

Instrument :

BNA_G

ClientSampleId :

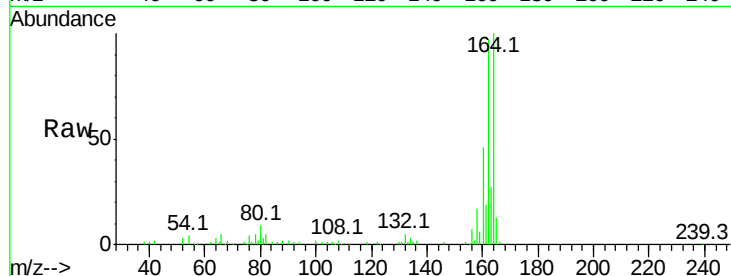
Tot Ion:164 Resp: 98155

Ion Ratio Lower Upper

164 100

162 96.8 78.8 118.2

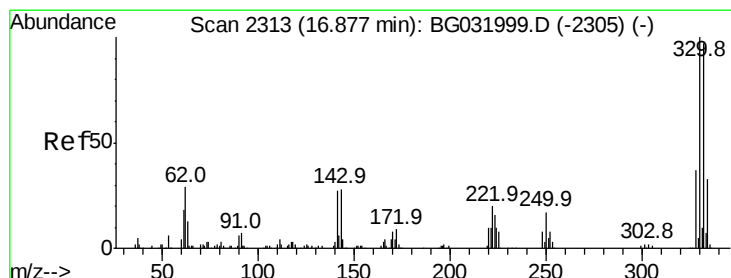
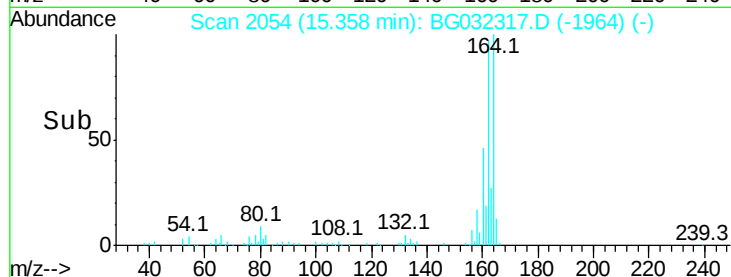
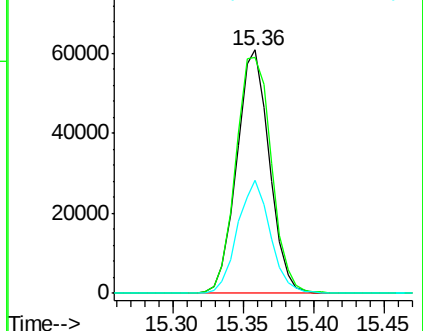
160 46.5 35.4 53.0



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: 108.923 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

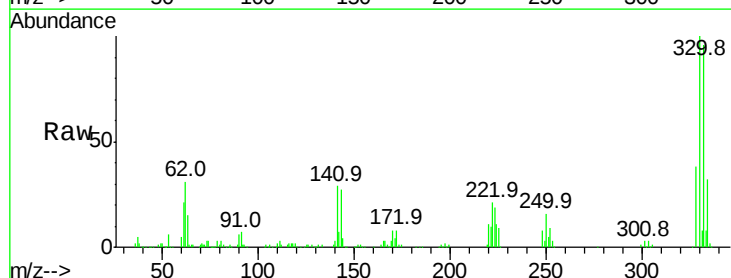
Tgt Ion:330 Resp: 176916

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

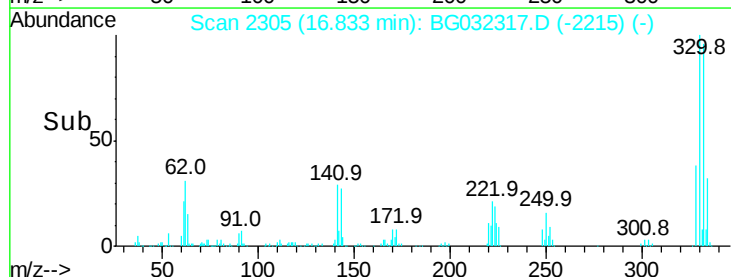
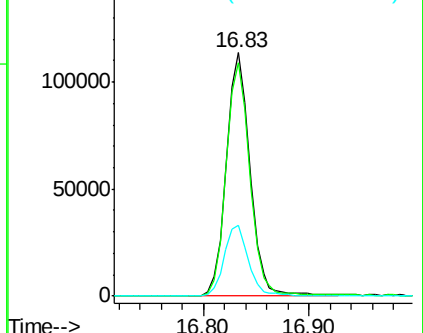
141 29.8 25.2 37.8

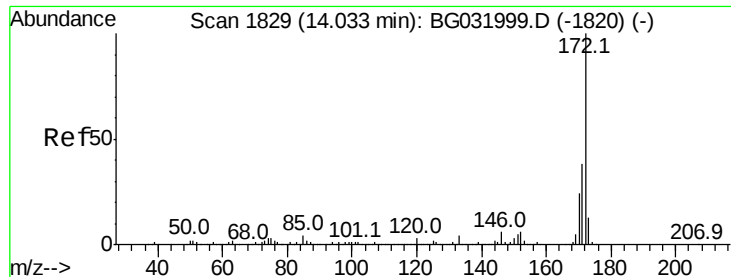


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

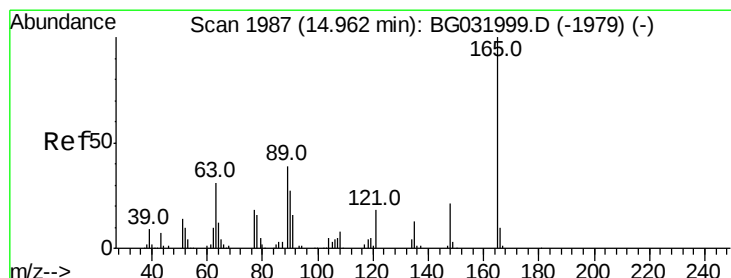
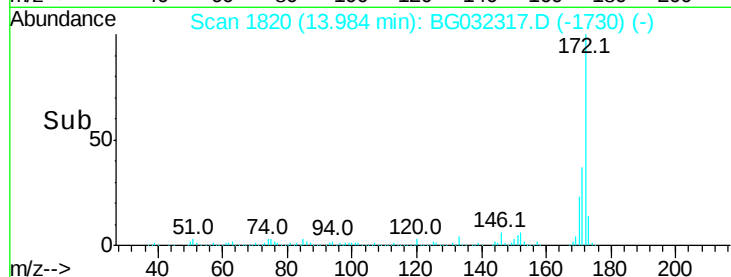
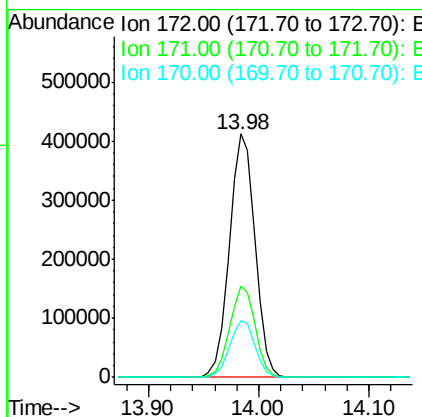
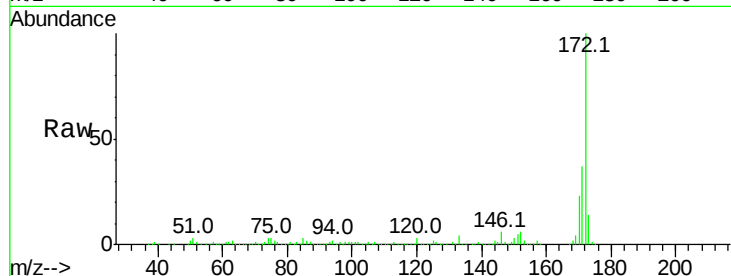




#44
 2-Fluorobiphenyl
 Concen: 84.509 ng
 RT: 13.98 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BG032317.D
 Acq: 26 Jan 2018 6:39

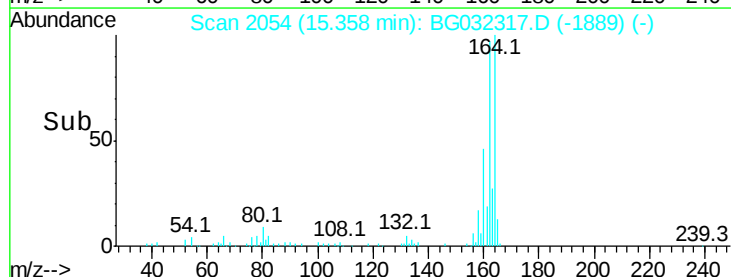
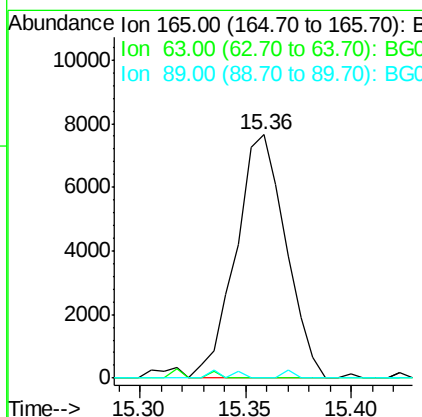
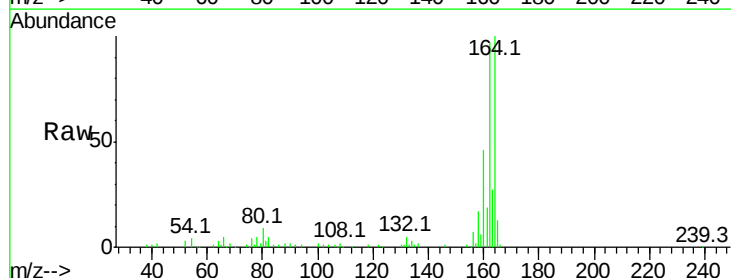
Instrument :
 BNA_G
 ClientSampleId :

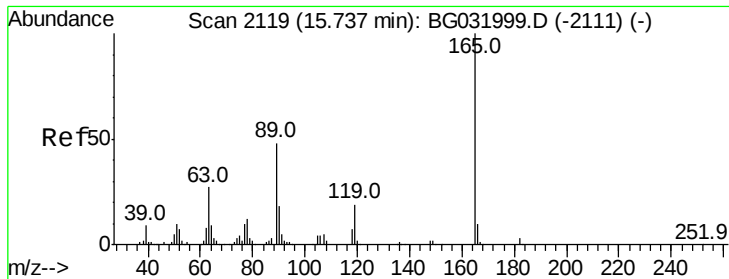
Tot Ion:172 Resp: 668973
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.007 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. 0.44 min
 Lab File: BG032317.D
 Acq: 26 Jan 2018 6:39

Tgt Ion:165 Resp: 12493
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

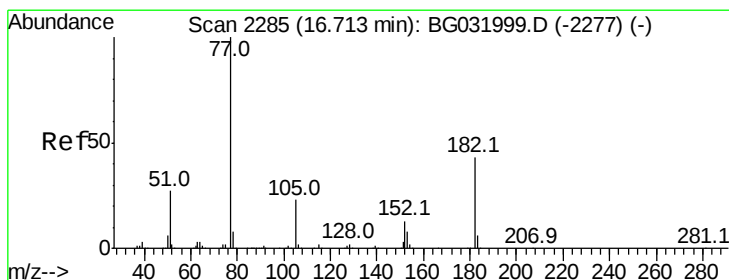
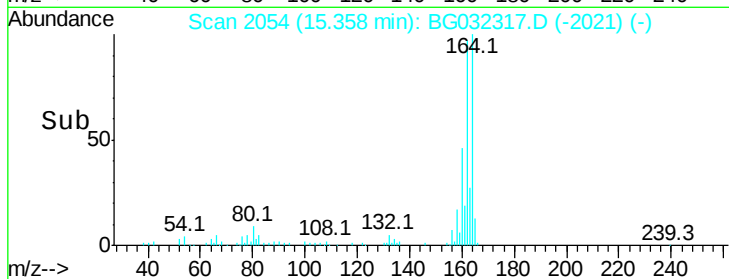
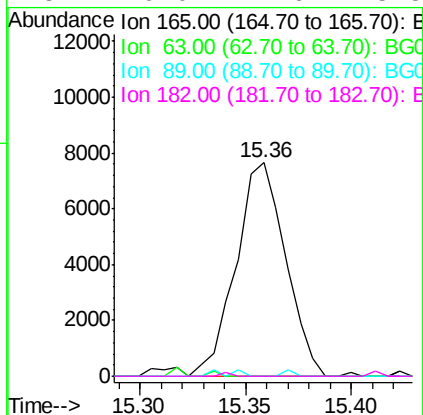
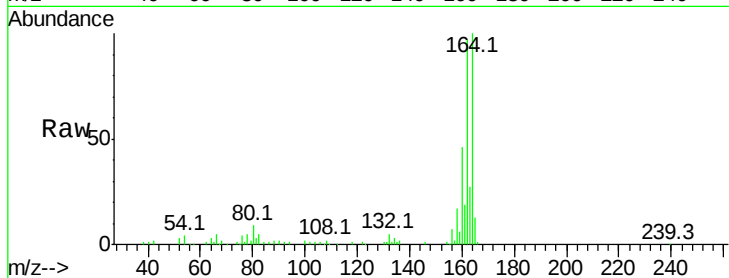




#56
 2,4-Dinitrotoluene
 Concen: 5.205 ng
 RT: 15.36 min Scan# 2054
 Delta R.T. -0.34 min
 Lab File: BG032317.D
 Acq: 26 Jan 2018 6:39

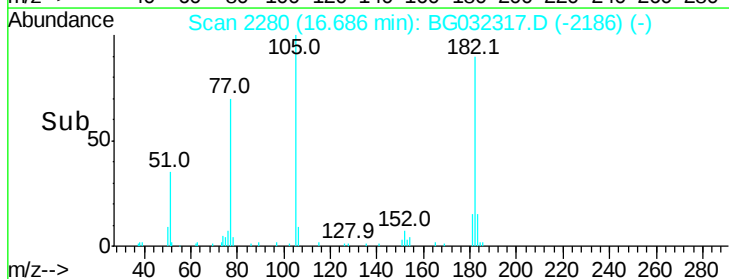
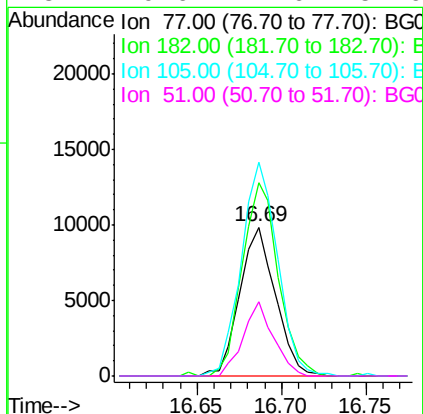
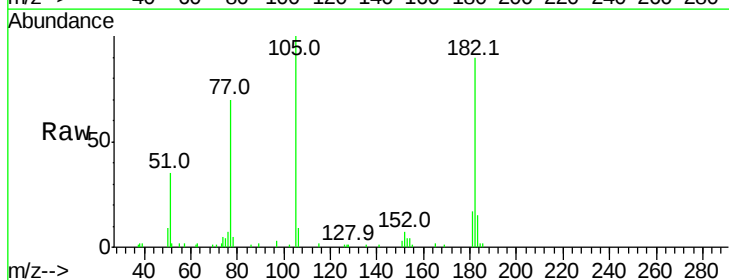
Instrument :
 BNA_G
 ClientSampleId :

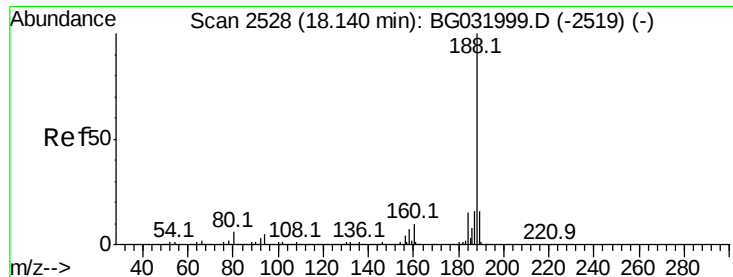
Tot Ion:	165	Resp:	12493
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#62
 Azobenzene
 Concen: 2.797 ng
 RT: 16.69 min Scan# 2280
 Delta R.T. 0.02 min
 Lab File: BG032317.D
 Acq: 26 Jan 2018 6:39

Tgt Ion:	77	Resp:	14576
Ion Ratio	Lower	Upper	
77	100		
182	129.7	7.4	47.4#
105	143.5	0.3	40.3#
51	49.6	11.6	51.6

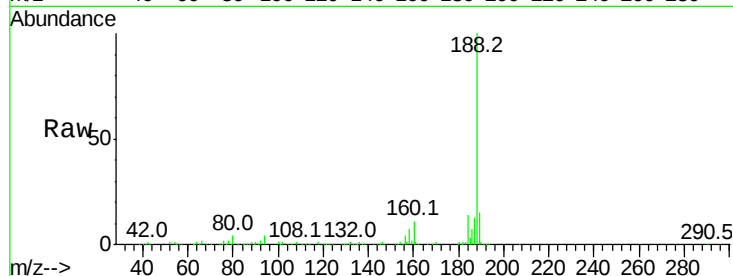




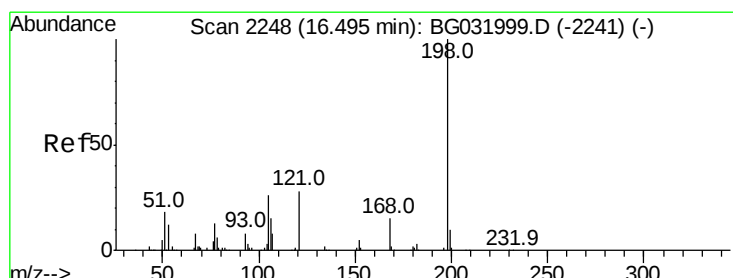
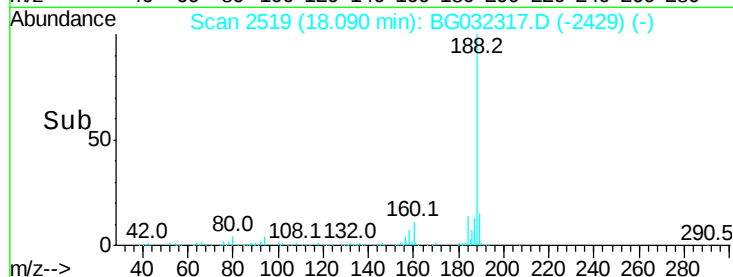
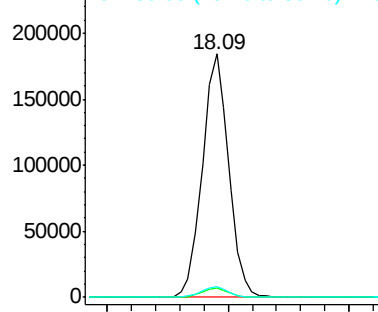
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.09 min Scan# 2519
Delta R.T. -0.00 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 280060
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 4.4 7.7 11.5#

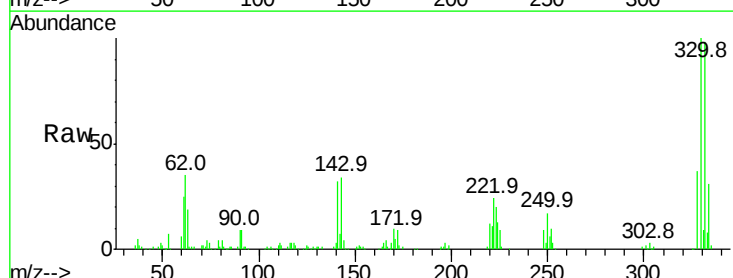


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

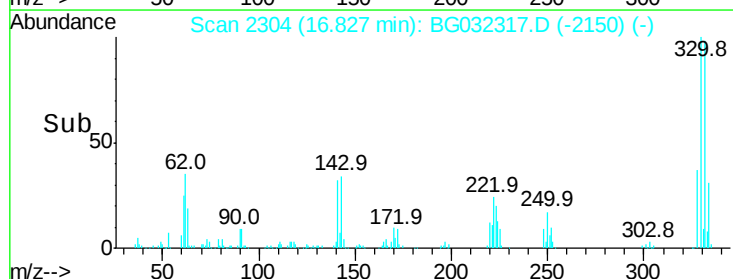
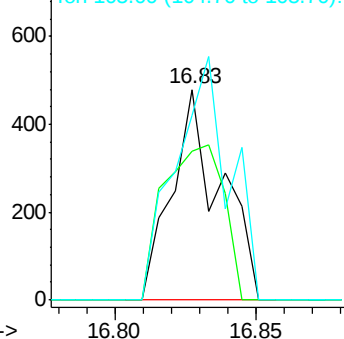


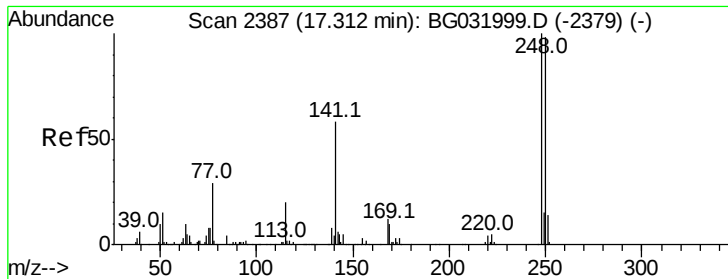
#64
4,6-Dinitro-2-methylphenol
Concen: 5.170 ng
RT: 16.83 min Scan# 2304
Delta R.T. 0.37 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Tgt Ion:198 Resp: 570
Ion Ratio Lower Upper
198 100
51 70.8 30.6 70.6#
105 87.7 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

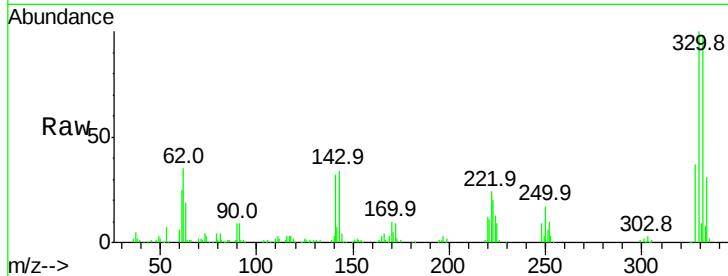




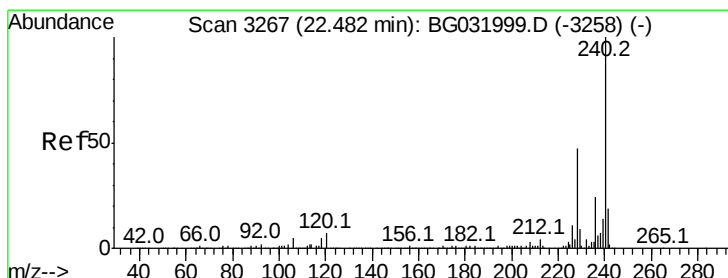
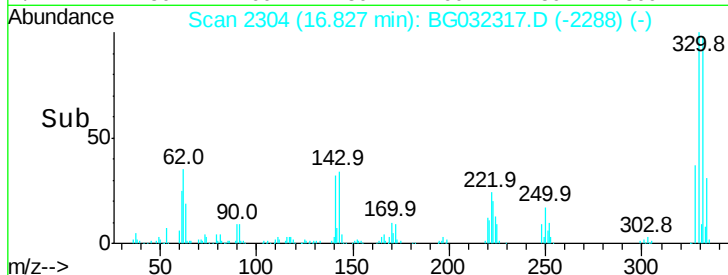
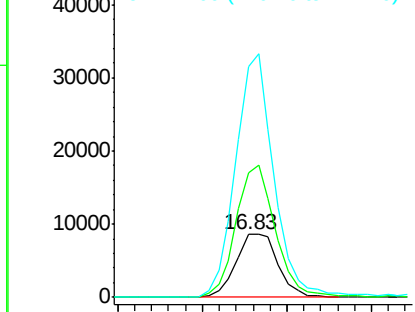
#66
4-Bromophenyl-phenylether
Concen: 3.742 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14910
Ion Ratio Lower Upper
248 100
250 198.1 77.1 115.7#
141 367.3 50.8 76.2#

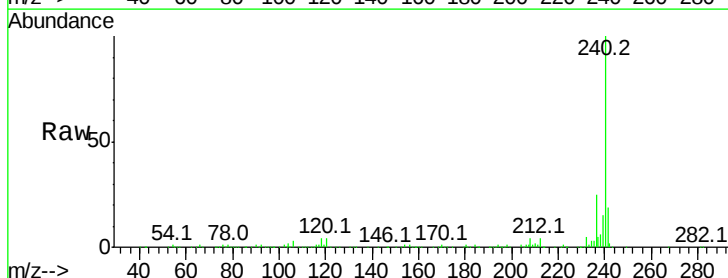


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

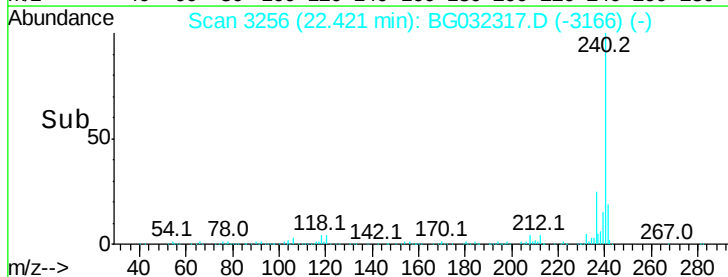
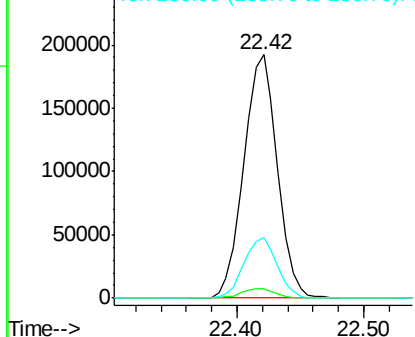


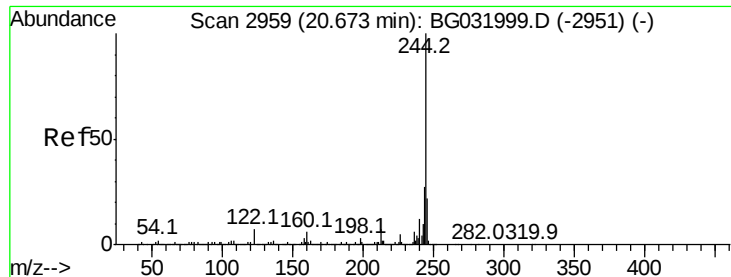
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.42 min Scan# 3256
Delta R.T. -0.00 min
Lab File: BG032317.D
Acq: 26 Jan 2018 6:39

Tgt Ion:240 Resp: 352739
Ion Ratio Lower Upper
240 100
120 3.7 6.8 10.2#
236 24.8 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: 73.986 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

Instrument :

BNA_G

ClientSampled :

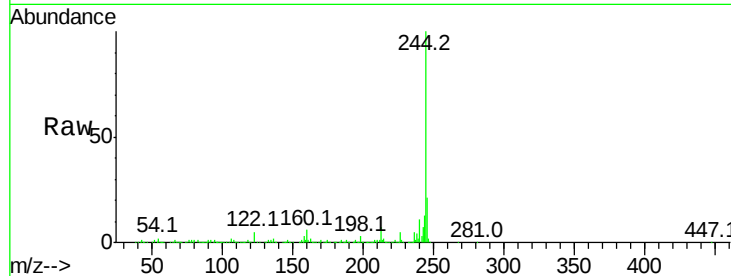
Tot Ion:244 Resp: 1181933

Ion Ratio Lower Upper

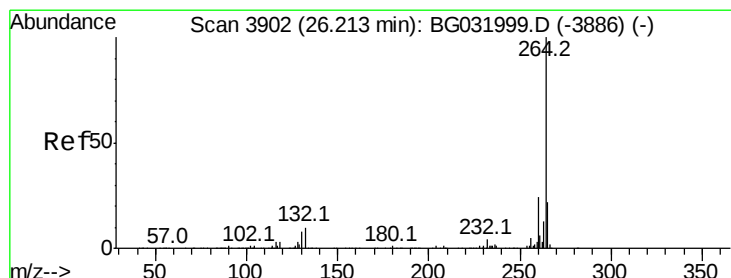
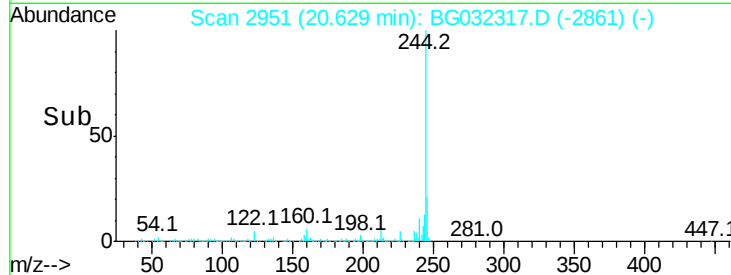
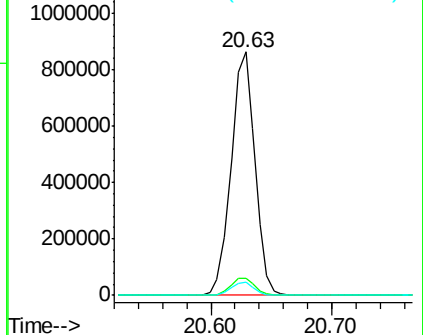
244 100

212 7.2 5.8 8.8

122 5.3 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: 26.10 min Scan# 3882

Delta R.T. -0.01 min

Lab File: BG032317.D

Acq: 26 Jan 2018 6:39

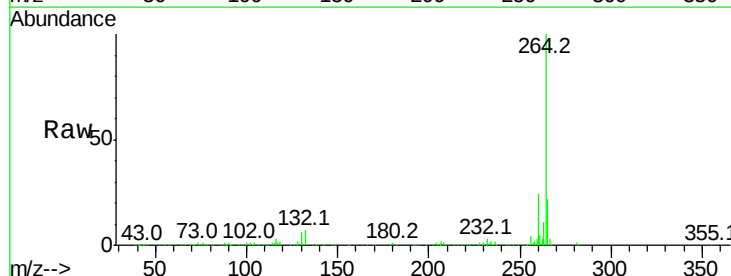
Tgt Ion:264 Resp: 374979

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.9 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

