

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010218\
 Data File : BG031875.D
 Acq On : 2 Jan 2018 17:25
 Operator : SJ/JU
 Sample : I6680-24
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 03 00:08:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 15:51:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	46984	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	192122	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	140292	20.00	ng	-0.01
63) Phenanthrene-d10	18.15	188	396826	20.00	ng	-0.01
75) Chrysene-d12	22.49	240	470729	20.00	ng	-0.02
86) Perylene-d12	26.22	264	487331	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	354236	137.32	ng	0.00
7) Phenol-d6	7.89	99	413439	123.45	ng	0.00
23) Nitrobenzene-d5	9.99	82	278252	109.36	ng	0.00
41) 2,4,6-Tribromophenol	16.89	330	387368	180.96	ng	0.00
44) 2-Fluorobiphenyl	14.05	172	999433	89.42	ng	0.00
78) Terphenyl-d14	20.68	244	2089182	101.40	ng	-0.01

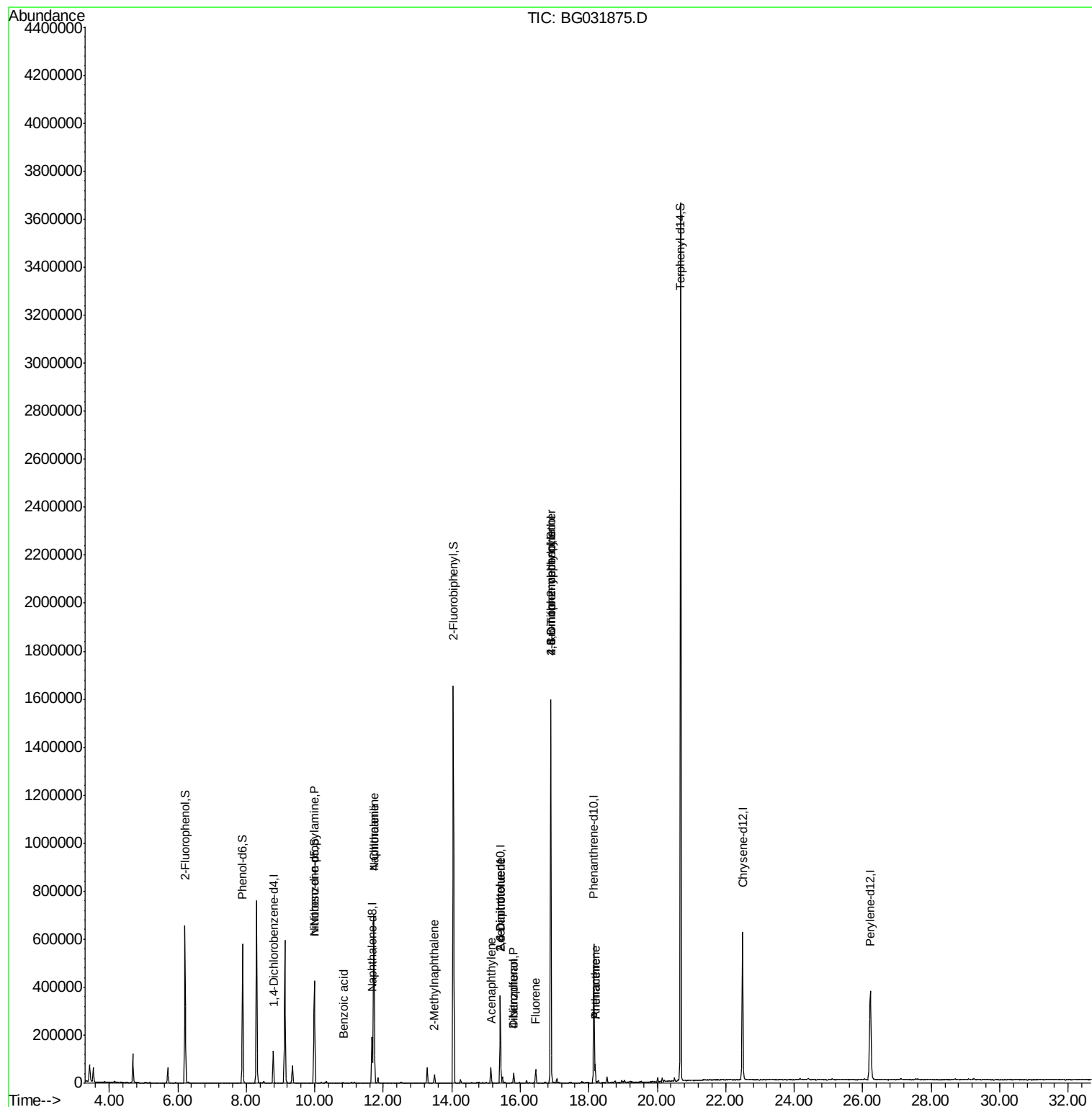
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.99	70	36350	15.892	ng	# 70
31) Naphthalene	11.73	128	688032	70.961	ng	99
32) Benzoic acid	10.84	122	934	7.102	ng	# 10
33) 4-Chloroaniline	11.73	127	95490	22.121	ng	# 35
37) 2-Methylnaphthalene	13.49	142	20117	2.559	ng	96
48) Acenaphthylene	15.14	152	54767	3.746	ng	99
50) 2,6-Dinitrotoluene	15.41	165	18267	8.034	ng	# 21
54) Dibenzofuran	15.81	168	32565	2.218	ng	# 96
55) 4-Nitrophenol	15.81	139	11023	6.106	ng	# 1
56) 2,4-Dinitrotoluene	15.41	165	18267	6.248	ng	# 19
57) Fluorene	16.45	166	30923	2.593	ng	# 93
64) 4,6-Dinitro-2-methylphenol	16.89	198	990	8.730	ng	# 26
66) 4-Bromophenyl-phenylether	16.89	248	30703	5.351	ng	# 1
70) Phenanthrene	18.19	178	56496	2.516	ng	98
71) Anthracene	18.19	178	56496	2.494	ng	98

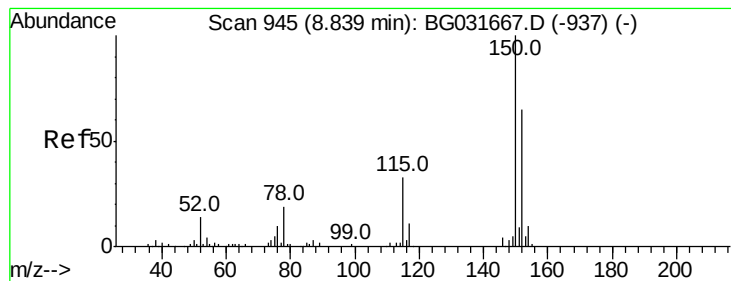
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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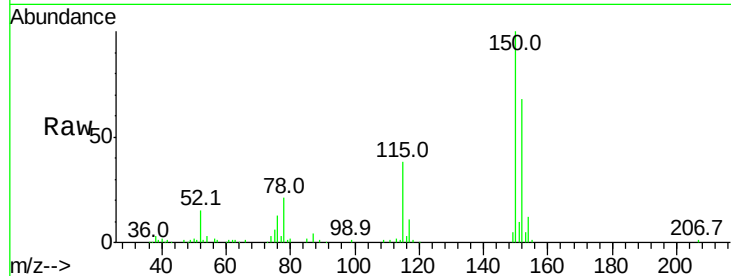


#1

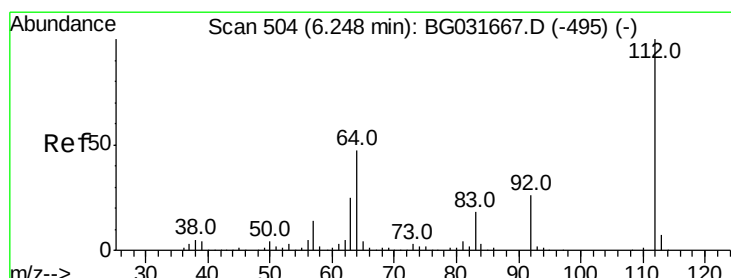
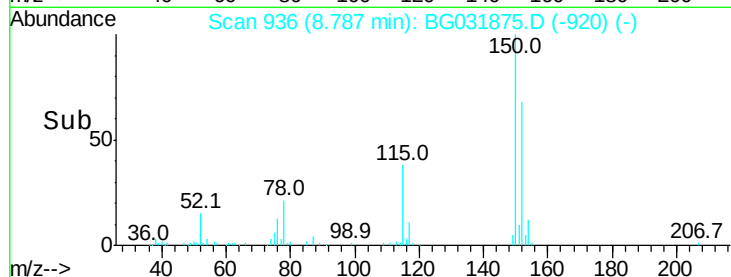
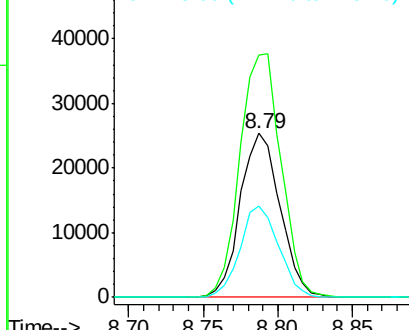
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.79 min Scan# 936
Delta R.T. -0.01 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 46984
Ion Ratio Lower Upper
152 100
150 148.1 126.6 189.8
115 55.6 53.0 79.4



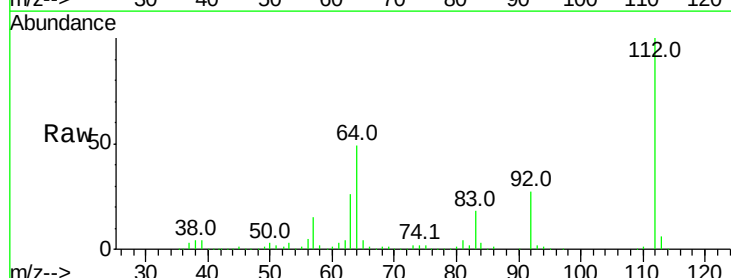
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



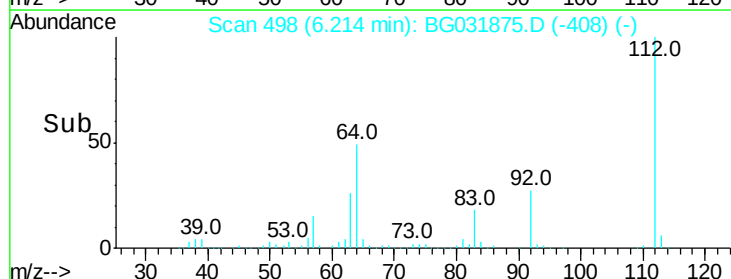
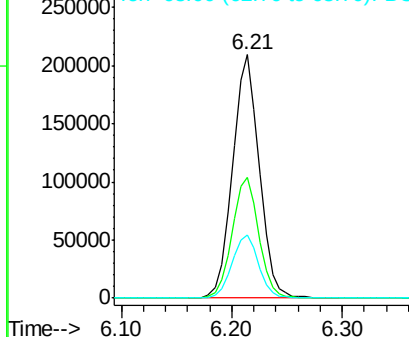
#5

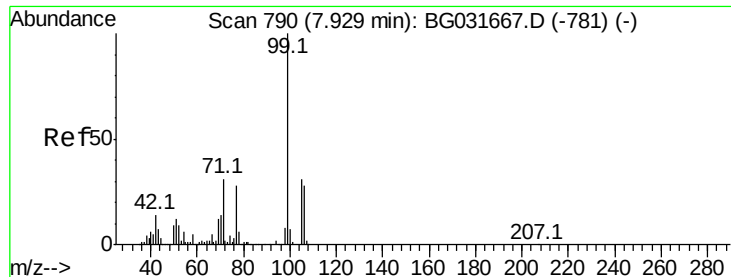
2-Fluorophenol
Concen: 137.323 ng
RT: 6.21 min Scan# 498
Delta R.T. 0.00 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Tgt Ion:112 Resp: 354236
Ion Ratio Lower Upper
112 100
64 49.4 56.3 84.5#
63 25.7 30.1 45.1#



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





#7

Phenol-d6

Concen: 123.446 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.01 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

Instrument :

BNA_G

ClientSampled :

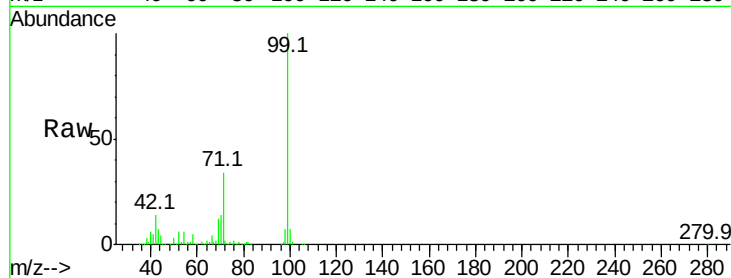
Tot Ion: 99 Resp: 413439

Ion Ratio Lower Upper

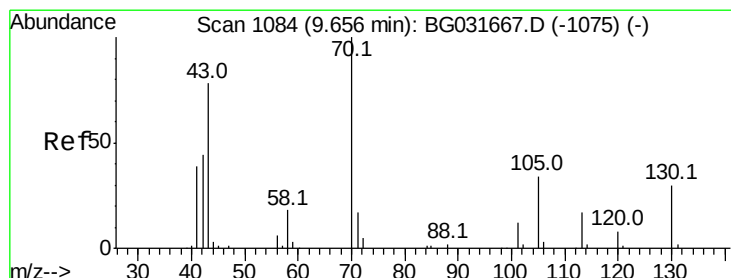
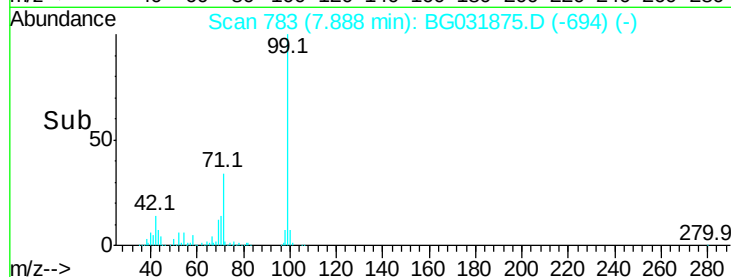
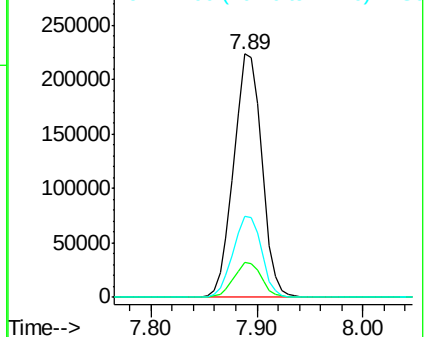
99 100

42 14.2 14.1 21.1

71 33.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.892 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.38 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

Tgt Ion: 70 Resp: 36350

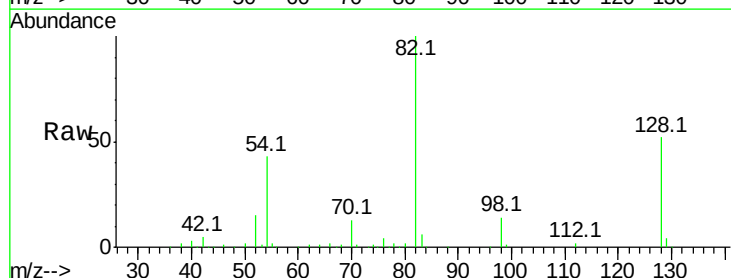
Ion Ratio Lower Upper

70 100

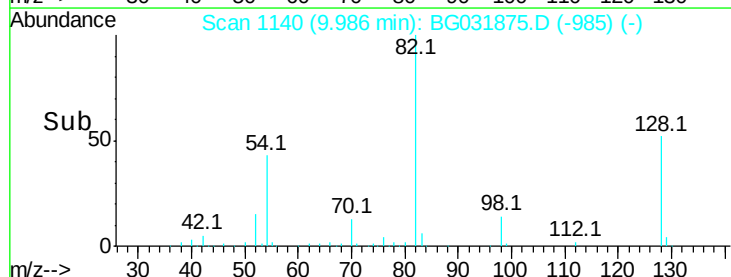
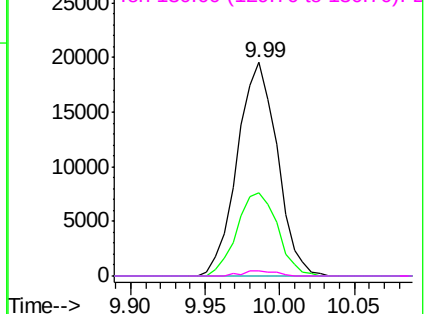
42 38.9 49.1 73.7#

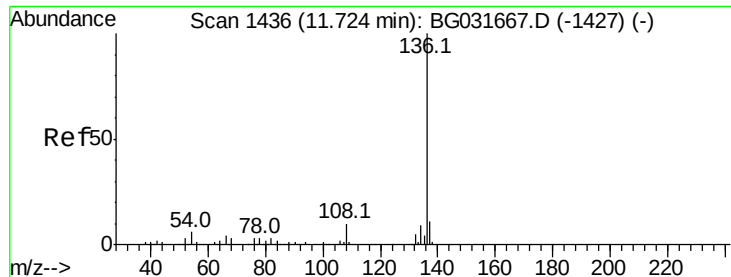
101 0.0 8.5 12.7#

130 2.7 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.67 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 192122

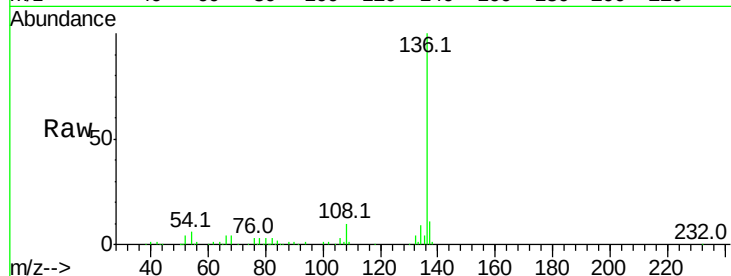
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 5.7 10.3 15.5#

68 3.5 4.5 6.7#

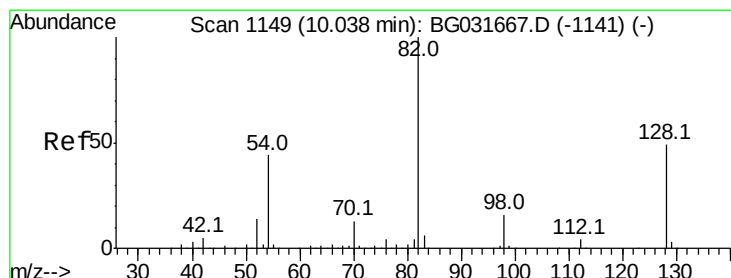
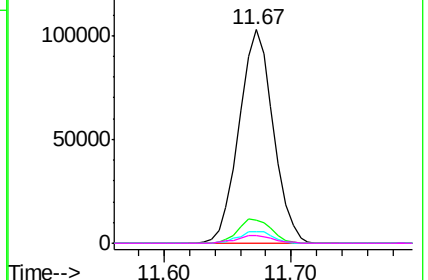
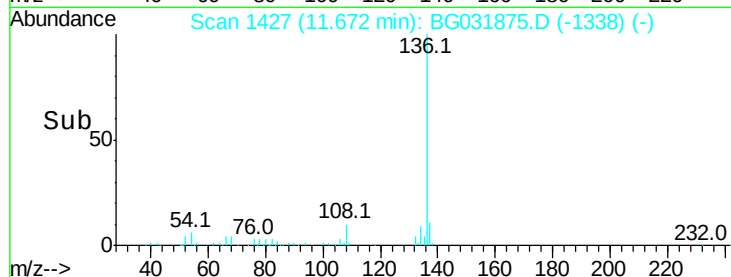


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 109.365 ng

RT: 9.99 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

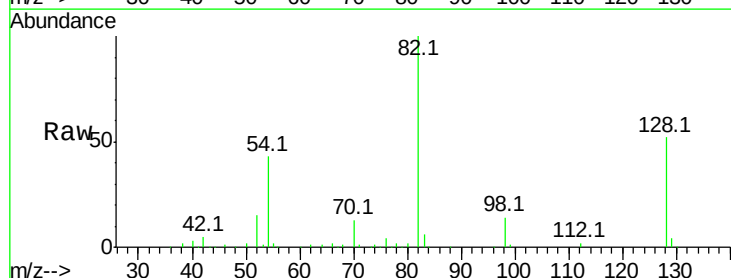
Tgt Ion: 82 Resp: 278252

Ion Ratio Lower Upper

82 100

128 51.6 29.7 44.5#

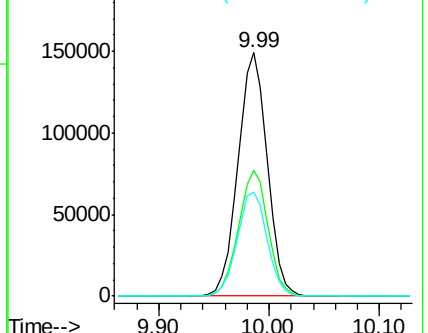
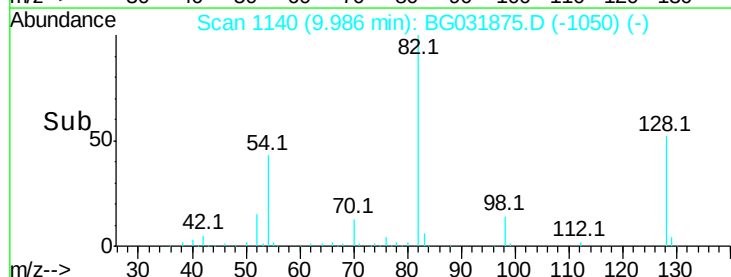
54 42.8 43.1 64.7#

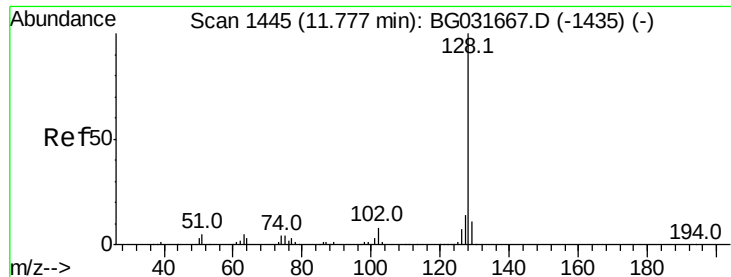


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

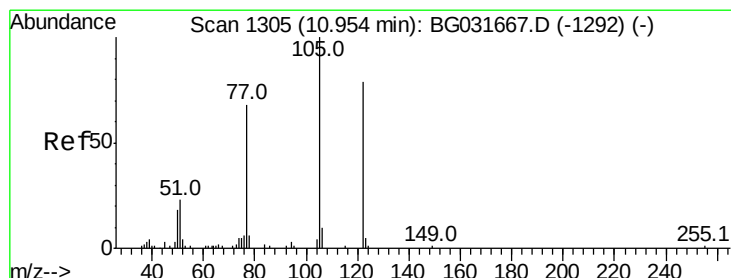
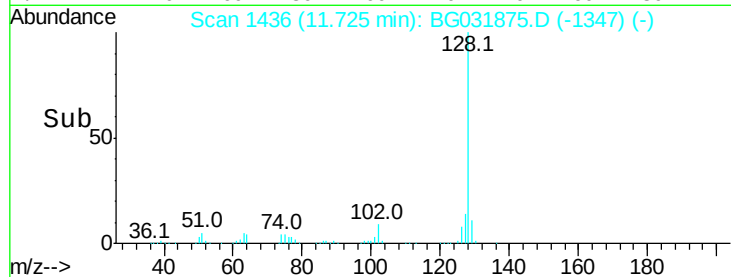
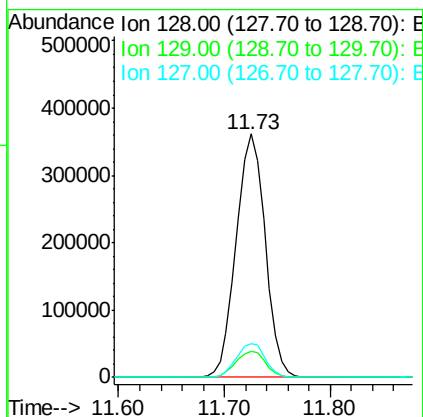
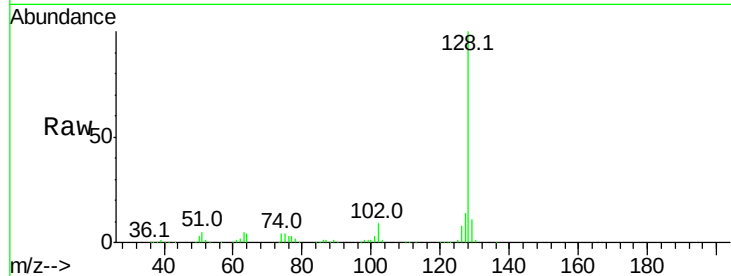




#31
Naphthalene
Concen: 70.961 ng
RT: 11.73 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

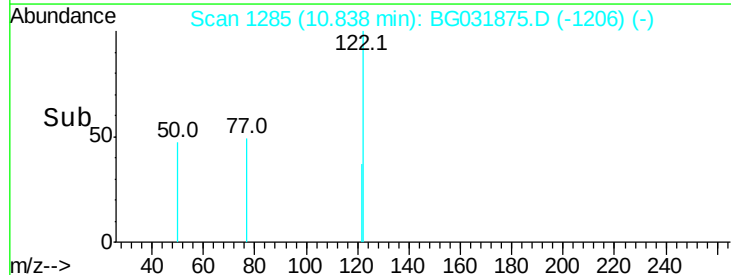
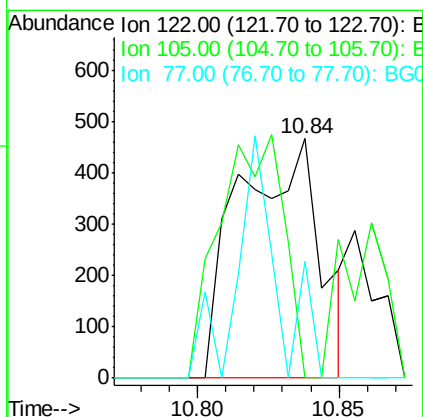
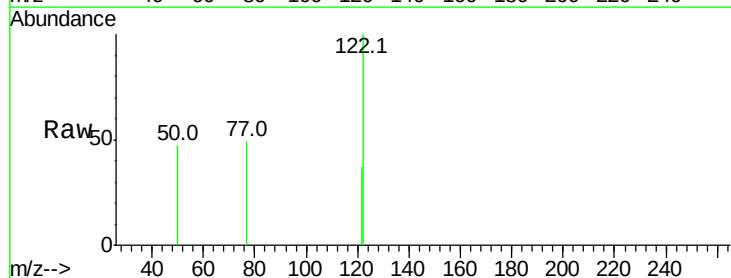
Instrument :
BNA_G
ClientSampled :

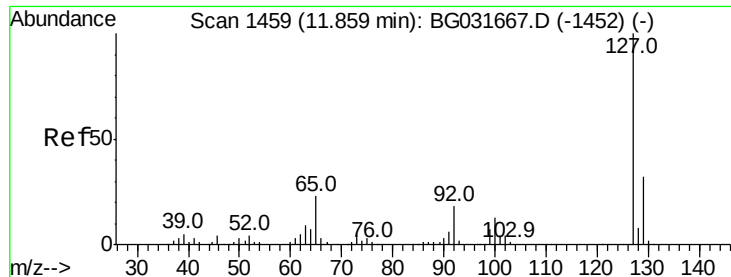
Tot Ion:128 Resp: 688032
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.8 11.6 17.4



#32
Benzoic acid
Concen: 7.102 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.06 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Tgt Ion:122 Resp: 934
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 48.8 85.7 125.7#

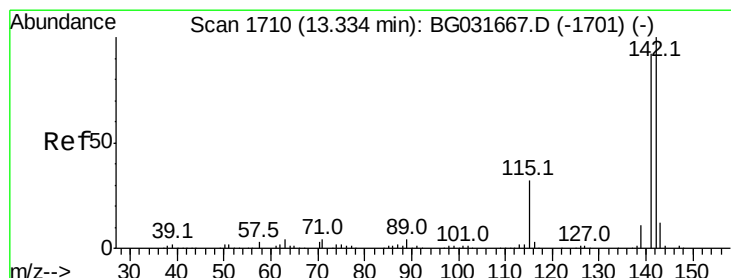
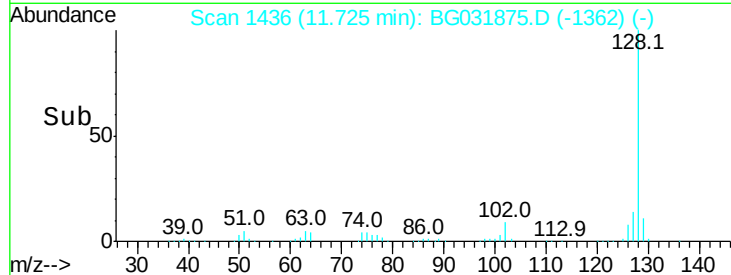
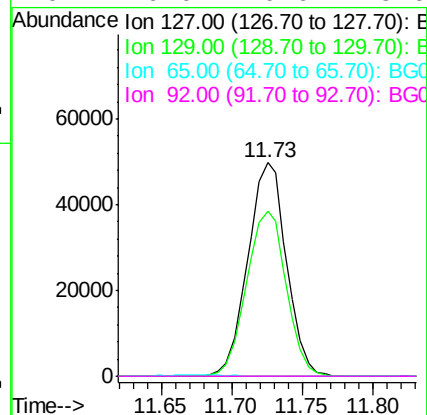
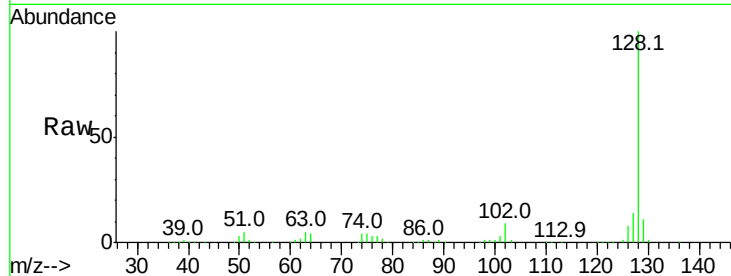




#33
4-Chloroaniline
Concen: 22.121 ng
RT: 11.73 min Scan# 1436
Delta R.T. -0.09 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

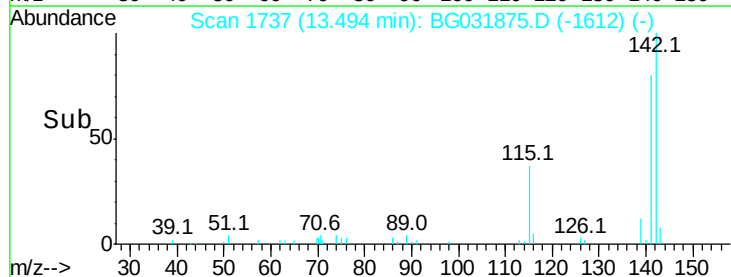
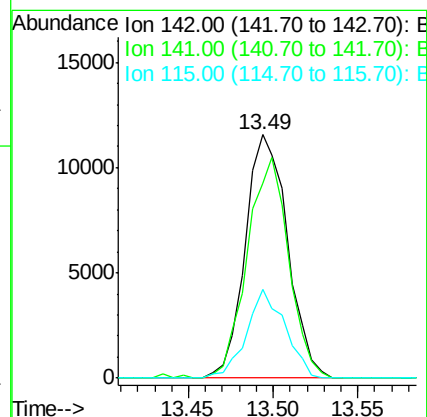
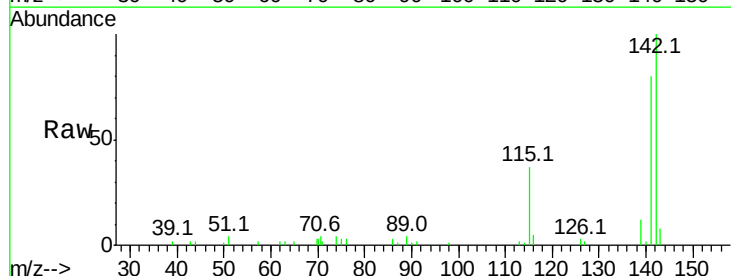
Instrument :
BNA_G
ClientSampleId :

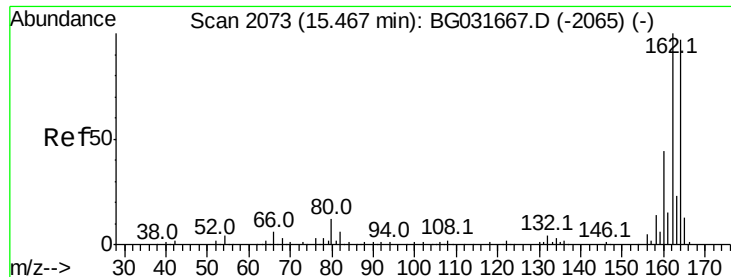
Tot Ion:	127	Resp:	95490
Ion	Ratio	Lower	Upper
127	100		
129	77.1	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#



#37
2-Methylnaphthalene
Concen: 2.559 ng
RT: 13.49 min Scan# 1737
Delta R.T. 0.21 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Tgt Ion:	142	Resp:	20117
Ion	Ratio	Lower	Upper
142	100		
141	80.1	67.1	100.7
115	36.7	30.7	46.1

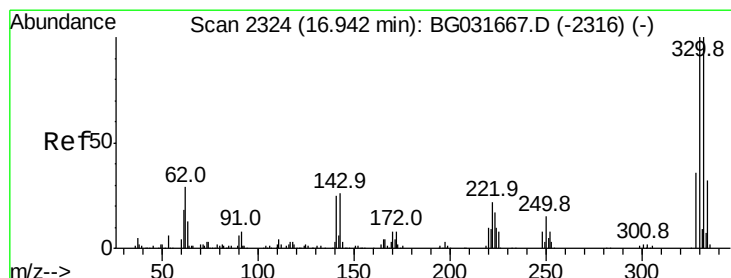
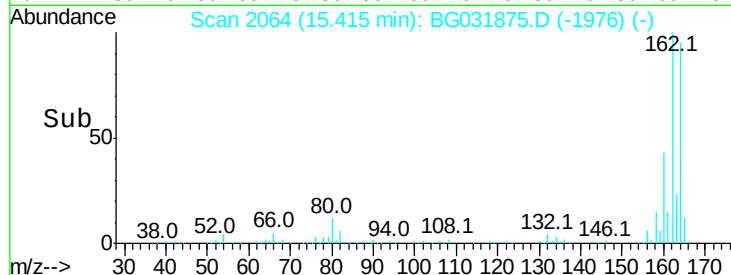
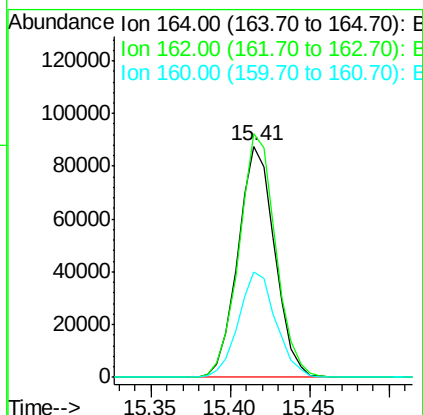
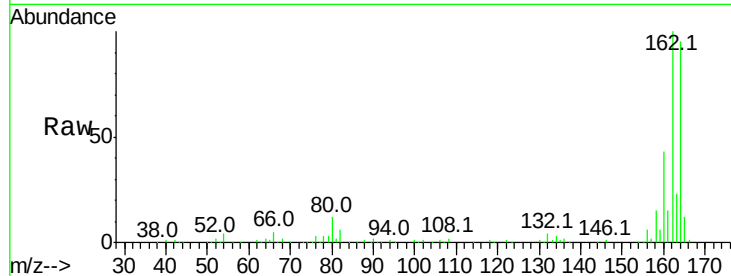




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

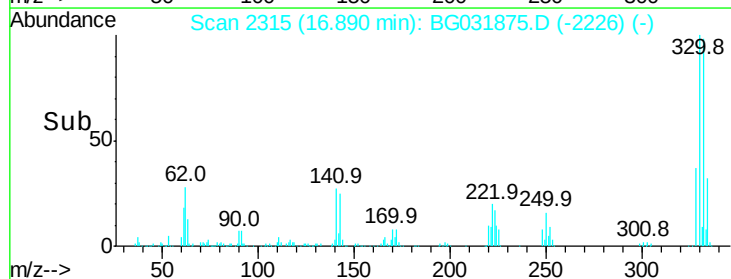
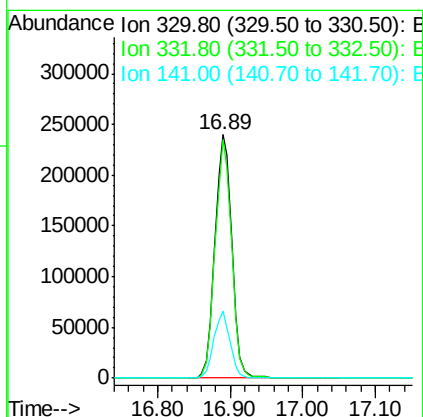
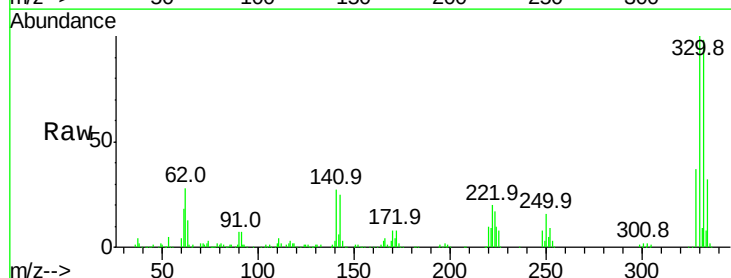
Instrument :
BNA_G
ClientSampleId :

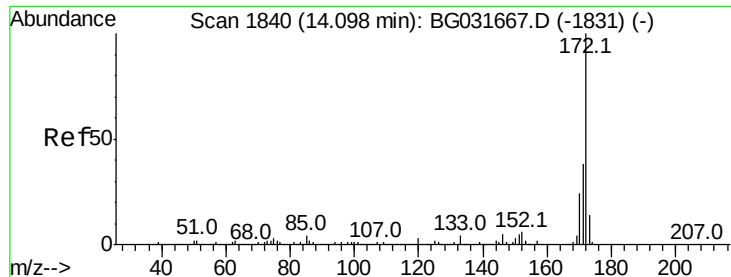
Tot Ion:164 Resp: 140292
Ion Ratio Lower Upper
164 100
162 105.3 78.8 118.2
160 45.7 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 180.957 ng
RT: 16.89 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Tgt Ion:330 Resp: 387368
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 26.3 25.2 37.8

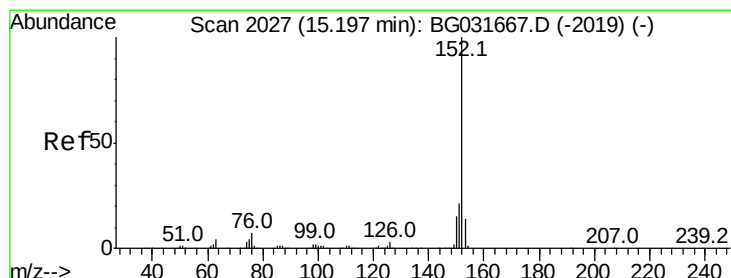
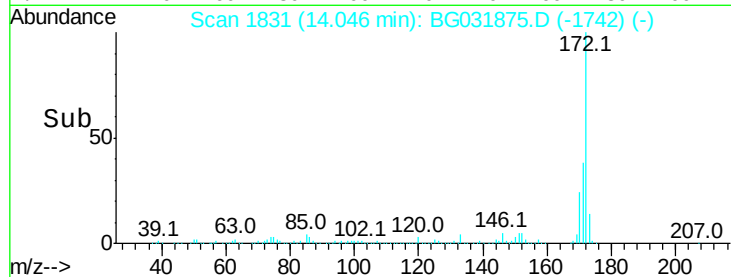
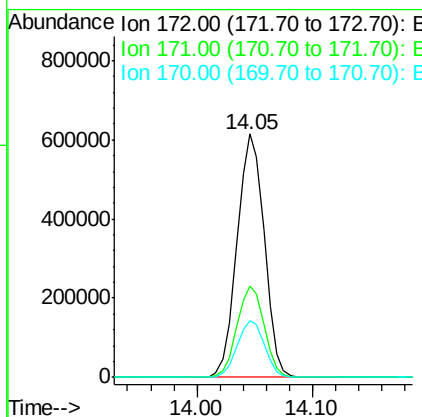
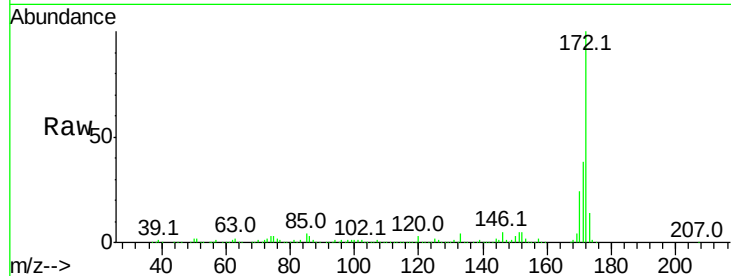




#44
2-Fluorobiphenyl
Concen: 89.415 ng
RT: 14.05 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

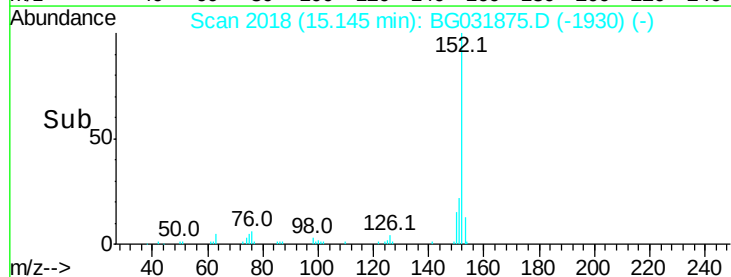
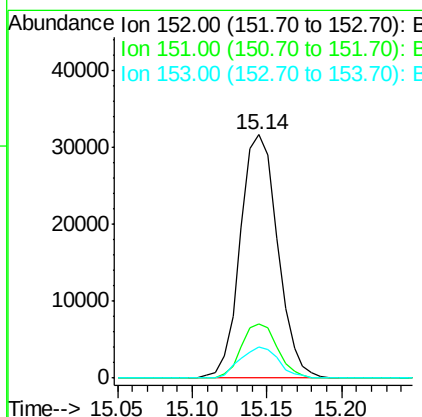
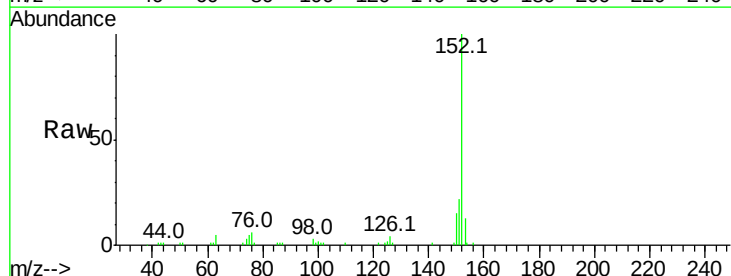
Instrument :
BNA_G
ClientSampleId :

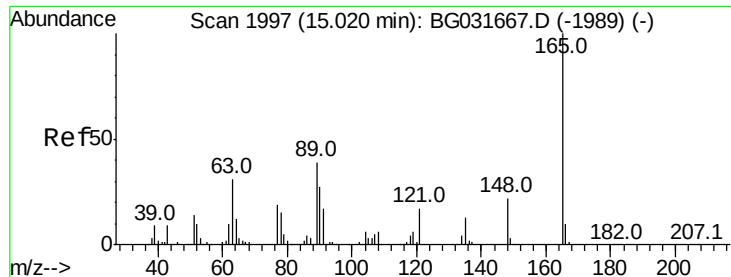
Tot Ion:172 Resp: 999433
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.6 19.5 29.3



#48
Acenaphthylene
Concen: 3.746 ng
RT: 15.14 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Tgt Ion:152 Resp: 54767
Ion Ratio Lower Upper
152 100
151 22.2 17.2 25.8
153 12.8 10.2 15.4

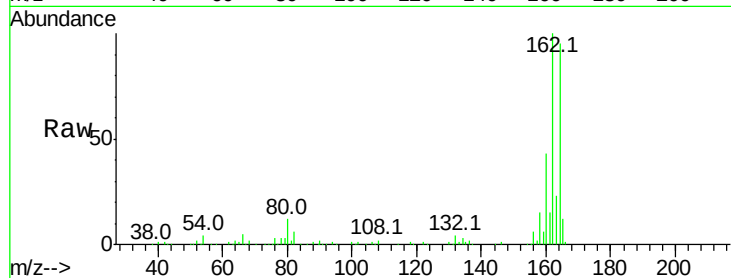




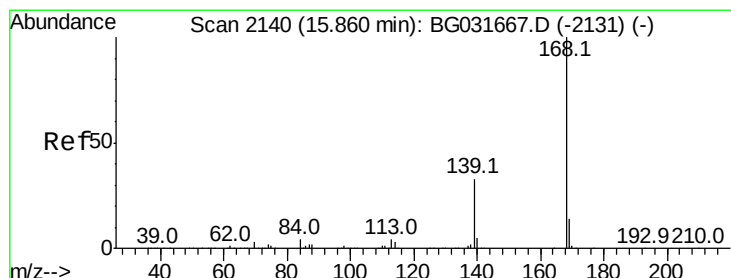
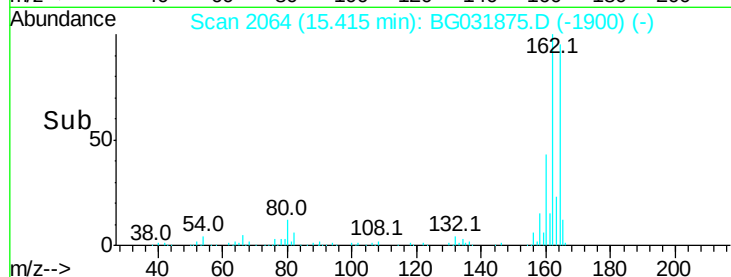
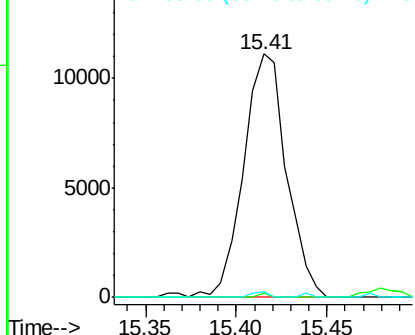
#50
 2,6-Dinitrotoluene
 Concen: 8.034 ng
 RT: 15.41 min Scan# 2064
 Delta R.T. 0.44 min
 Lab File: BG031875.D
 Acq: 2 Jan 2018 17:25

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 18267
 Ion Ratio Lower Upper
 165 100
 63 1.7 52.7 79.1#
 89 2.1 49.2 73.8#

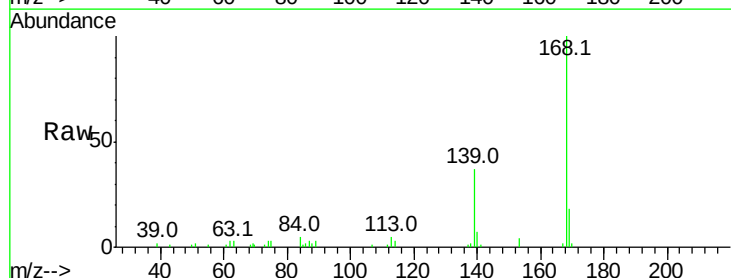


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

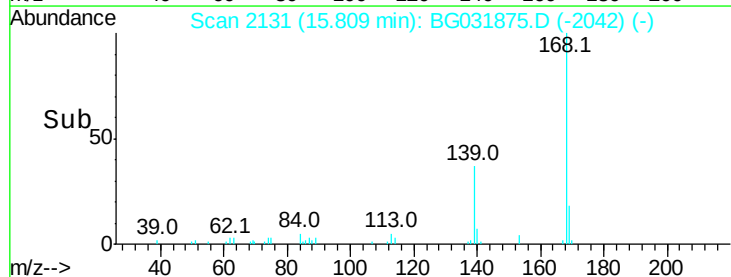
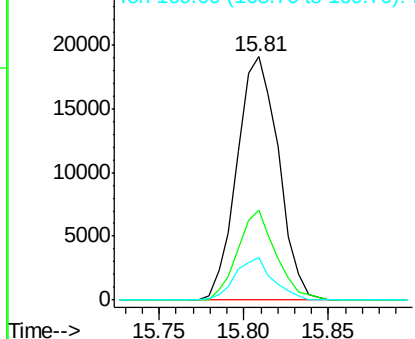


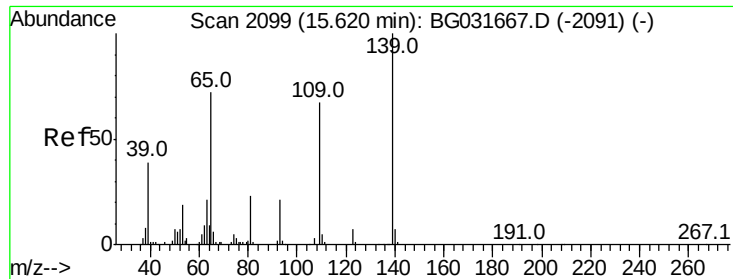
#54
 Dibenzofuran
 Concen: 2.218 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG031875.D
 Acq: 2 Jan 2018 17:25

Tgt Ion:168 Resp: 32565
 Ion Ratio Lower Upper
 168 100
 139 37.0 28.6 43.0
 169 17.6 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

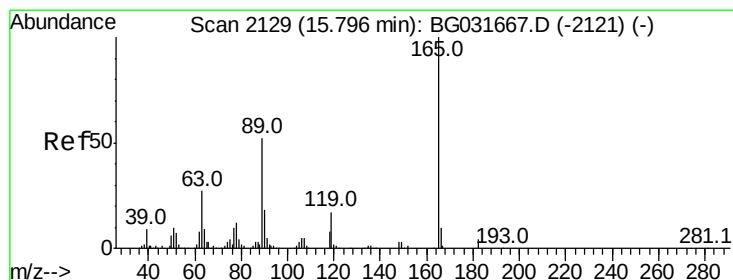
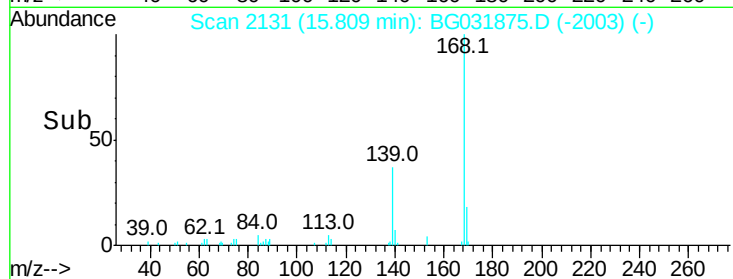
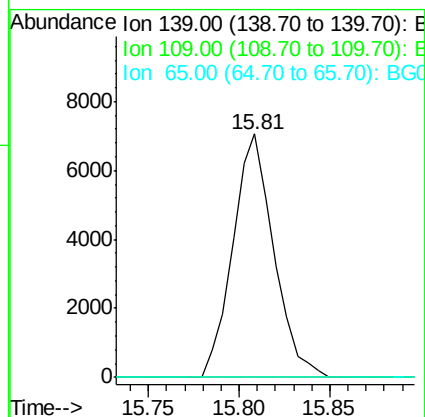
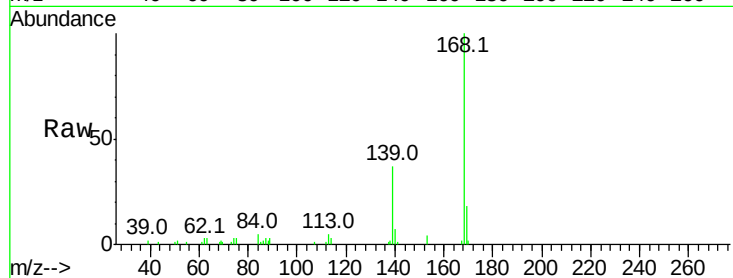




#55
4-Nitrophenol
Concen: 6.106 ng
RT: 15.81 min Scan# 2131
Delta R.T. 0.22 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

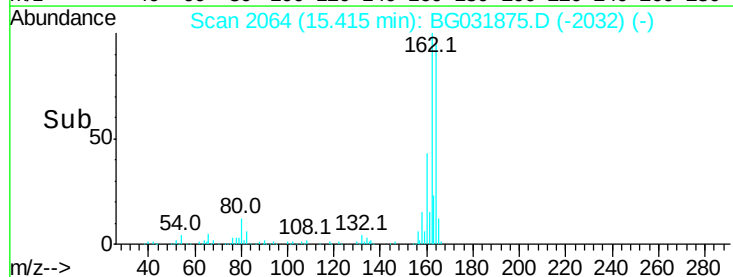
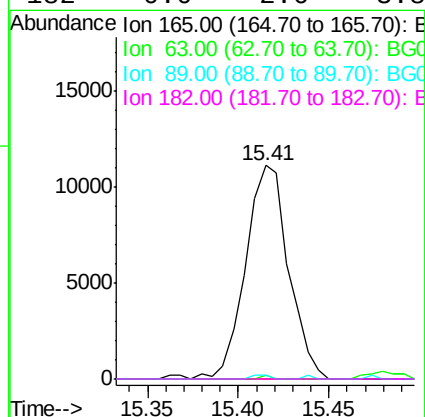
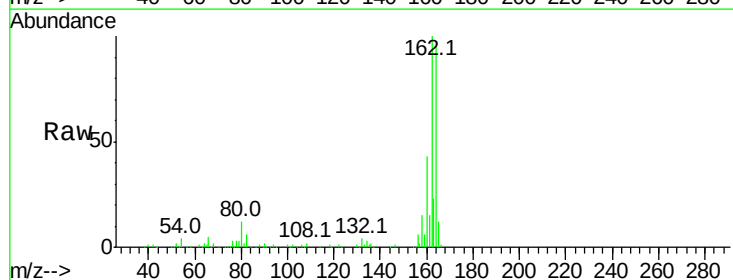
Instrument :
BNA_G
ClientSampleId :

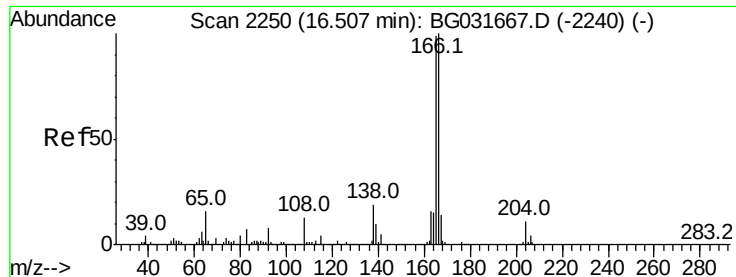
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#



#56
2,4-Dinitrotoluene
Concen: 6.248 ng
RT: 15.41 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#

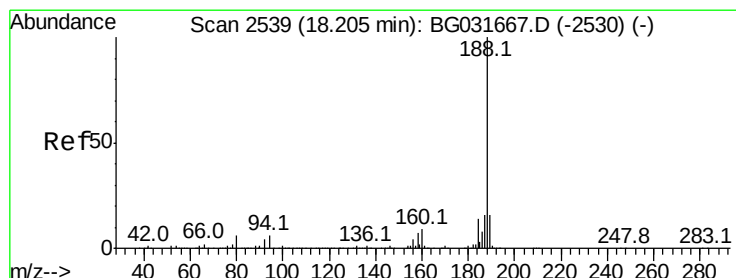
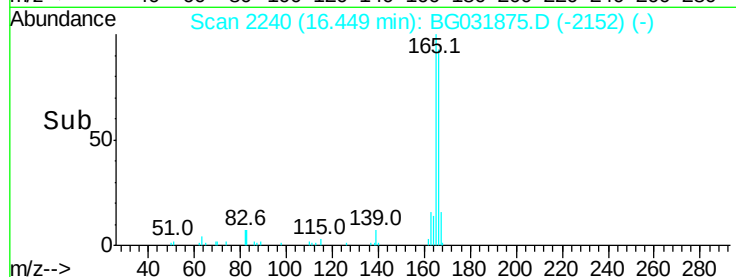
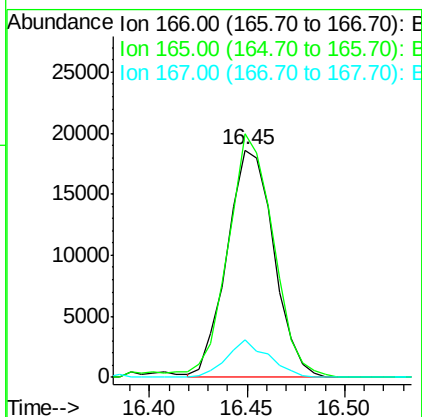
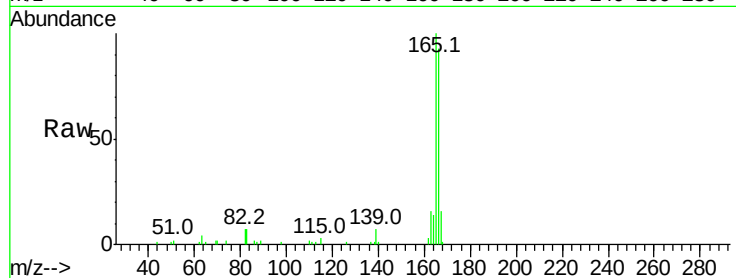




#57
 Fluorene
 Concen: 2.593 ng
 RT: 16.45 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BG031875.D
 Acq: 2 Jan 2018 17:25

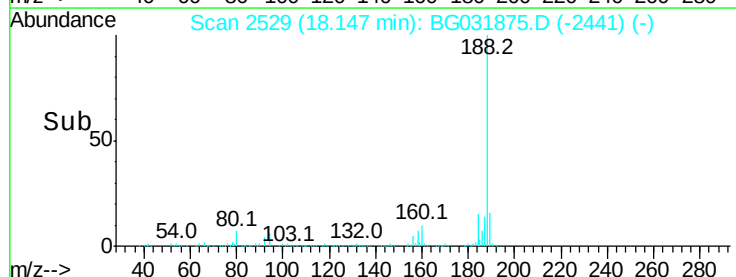
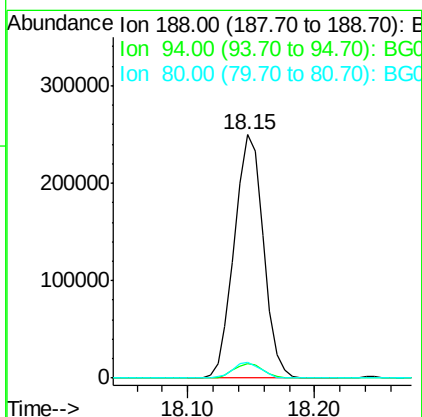
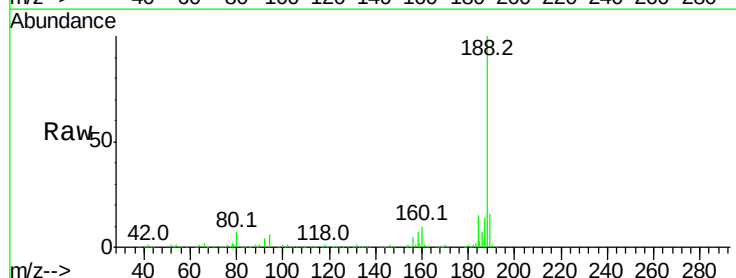
Instrument :
 BNA_G
 ClientSampleId :

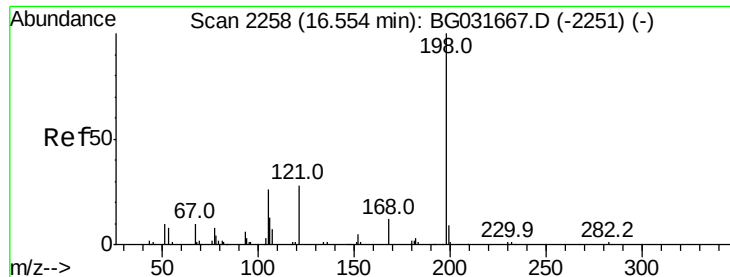
Tot Ion:166 Resp: 30923
 Ion Ratio Lower Upper
 166 100
 165 107.0 80.6 121.0
 167 16.7 10.4 15.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.15 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG031875.D
 Acq: 2 Jan 2018 17:25

Tgt Ion:188 Resp: 396826
 Ion Ratio Lower Upper
 188 100
 94 6.1 6.9 10.3#
 80 6.6 7.7 11.5#

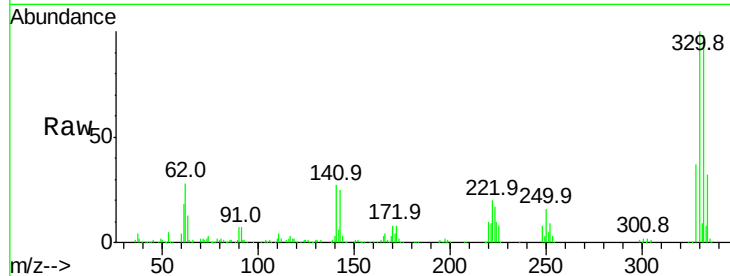




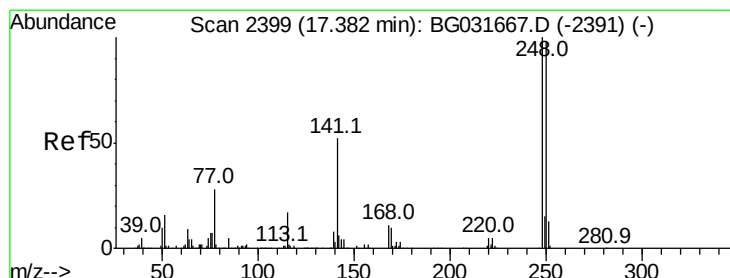
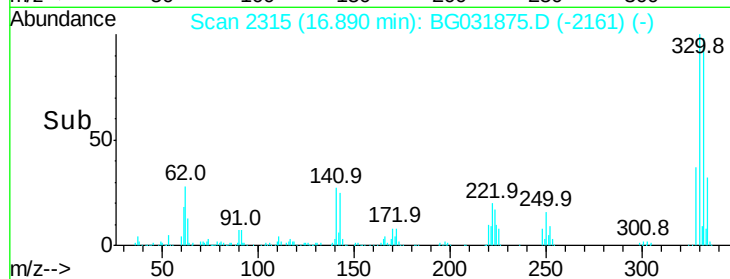
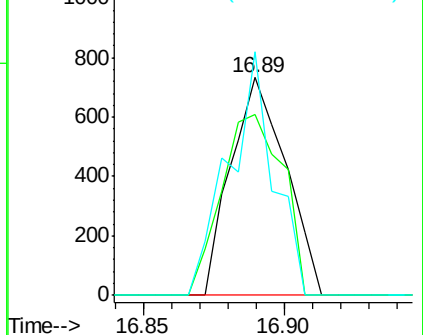
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.730 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. 0.38 min
 Lab File: BG031875.D
 Acq: 2 Jan 2018 17:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 990
 Ion Ratio Lower Upper
 198 100
 51 83.5 30.6 70.6#
 105 112.0 23.8 63.8#

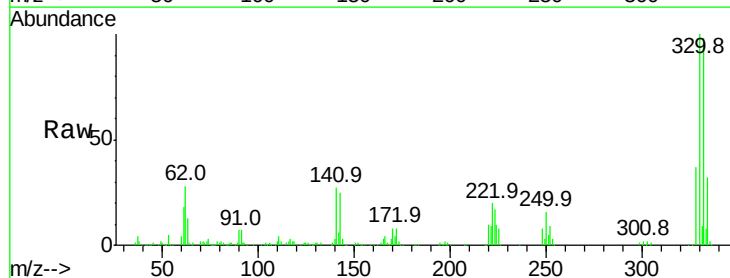


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

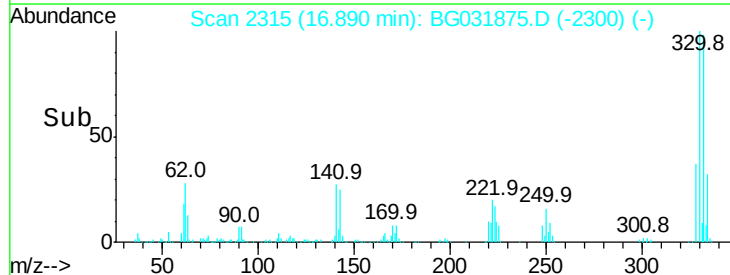
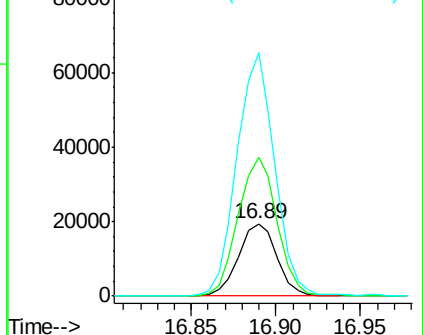


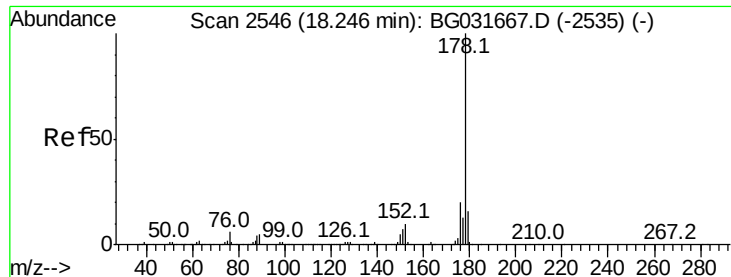
#66
 4-Bromophenyl-phenylether
 Concen: 5.351 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. -0.44 min
 Lab File: BG031875.D
 Acq: 2 Jan 2018 17:25

Tgt Ion:248 Resp: 30703
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.1 115.7#
 141 337.5 50.8 76.2#



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





#70

Phenanthrene

Concen: 2.516 ng

RT: 18.19 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

Instrument :

BNA_G

ClientSampled :

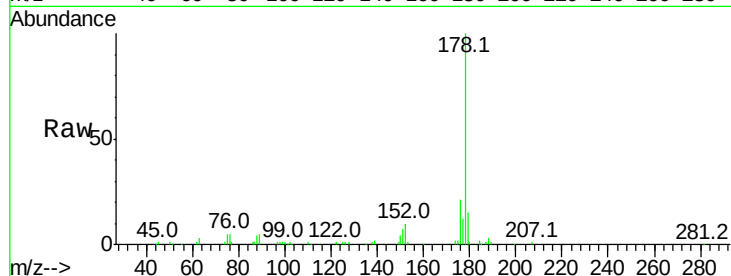
Tot Ion:178 Resp: 56496

Ion Ratio Lower Upper

178 100

176 21.0 15.7 23.5

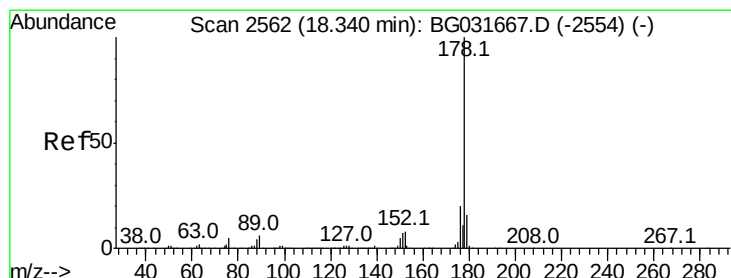
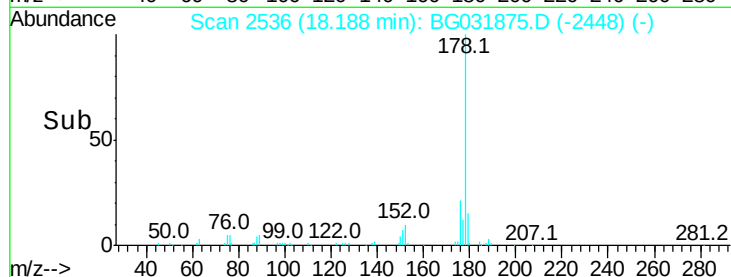
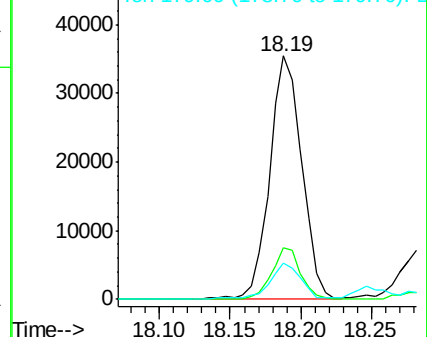
179 14.9 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.494 ng

RT: 18.19 min Scan# 2536

Delta R.T. -0.10 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

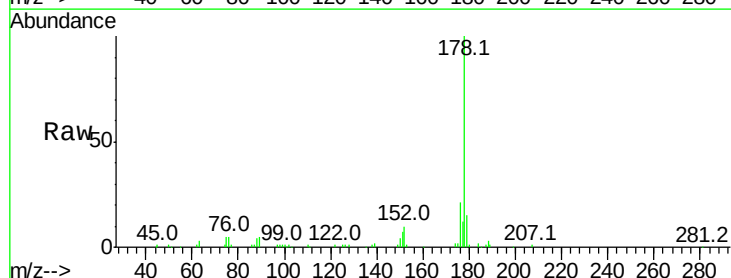
Tgt Ion:178 Resp: 56496

Ion Ratio Lower Upper

178 100

176 21.0 16.0 24.0

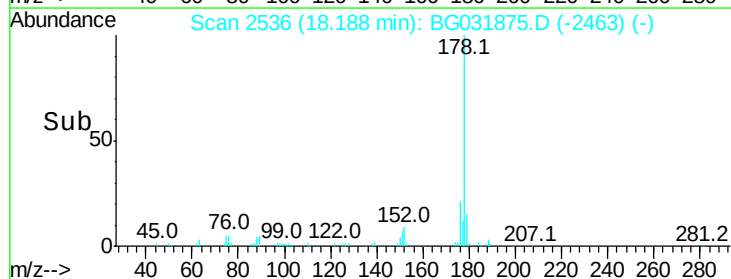
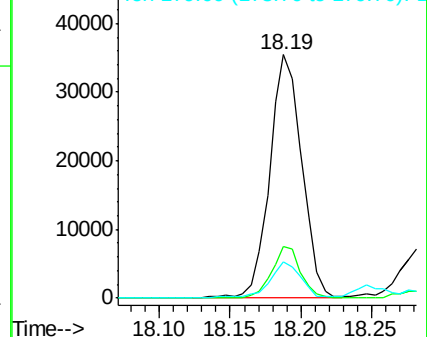
179 14.9 12.5 18.7

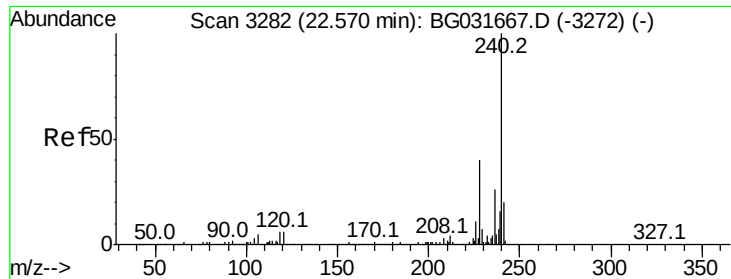


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.49 min Scan# 3268

Delta R.T. -0.02 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

Instrument :

BNA_G

ClientSampleId :

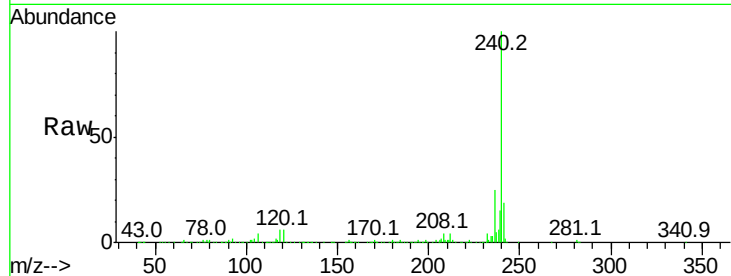
Tot Ion:240 Resp: 470729

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

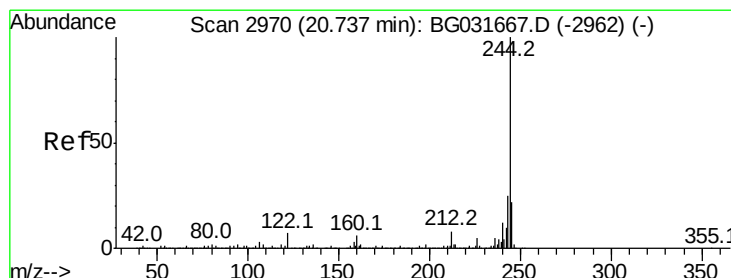
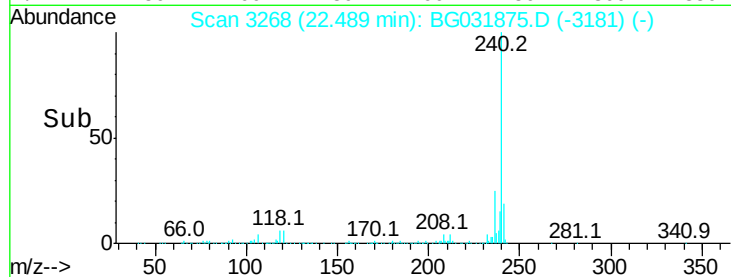
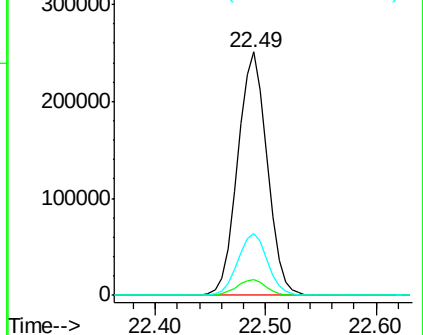
236 25.3 20.9 31.3



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: 101.397 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BG031875.D

Acq: 2 Jan 2018 17:25

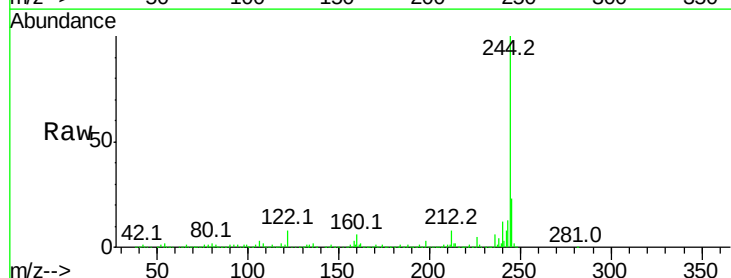
Tgt Ion:244 Resp: 2089182

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

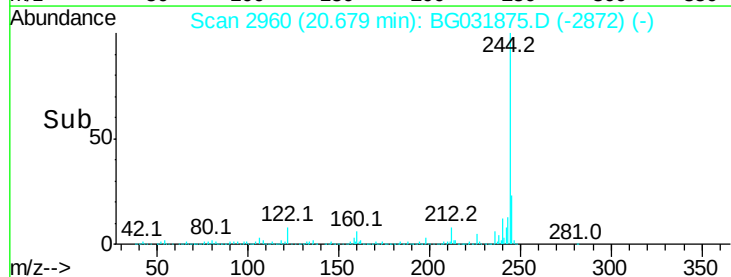
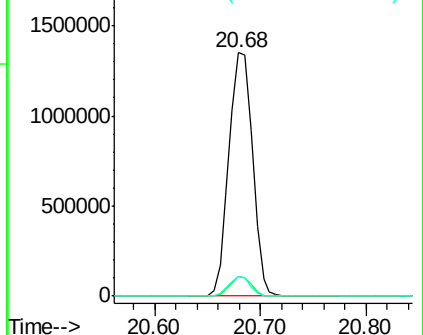
122 8.1 7.0 10.4

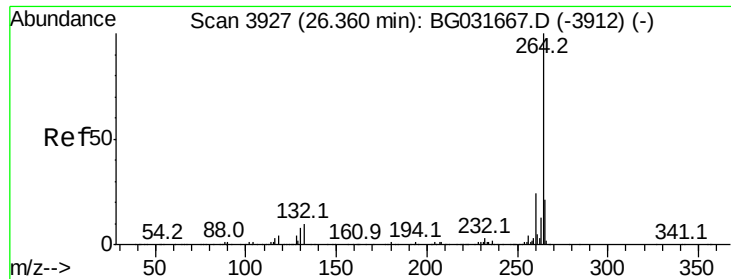


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.22 min Scan# 3903
Delta R.T. -0.03 min
Lab File: BG031875.D
Acq: 2 Jan 2018 17:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.4	26.0
265	22.9	17.7	26.5

