

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031708.D
 Acq On : 22 Dec 2017 13:08
 Operator : SJ/JU
 Sample : I6971-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 13:45:47 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

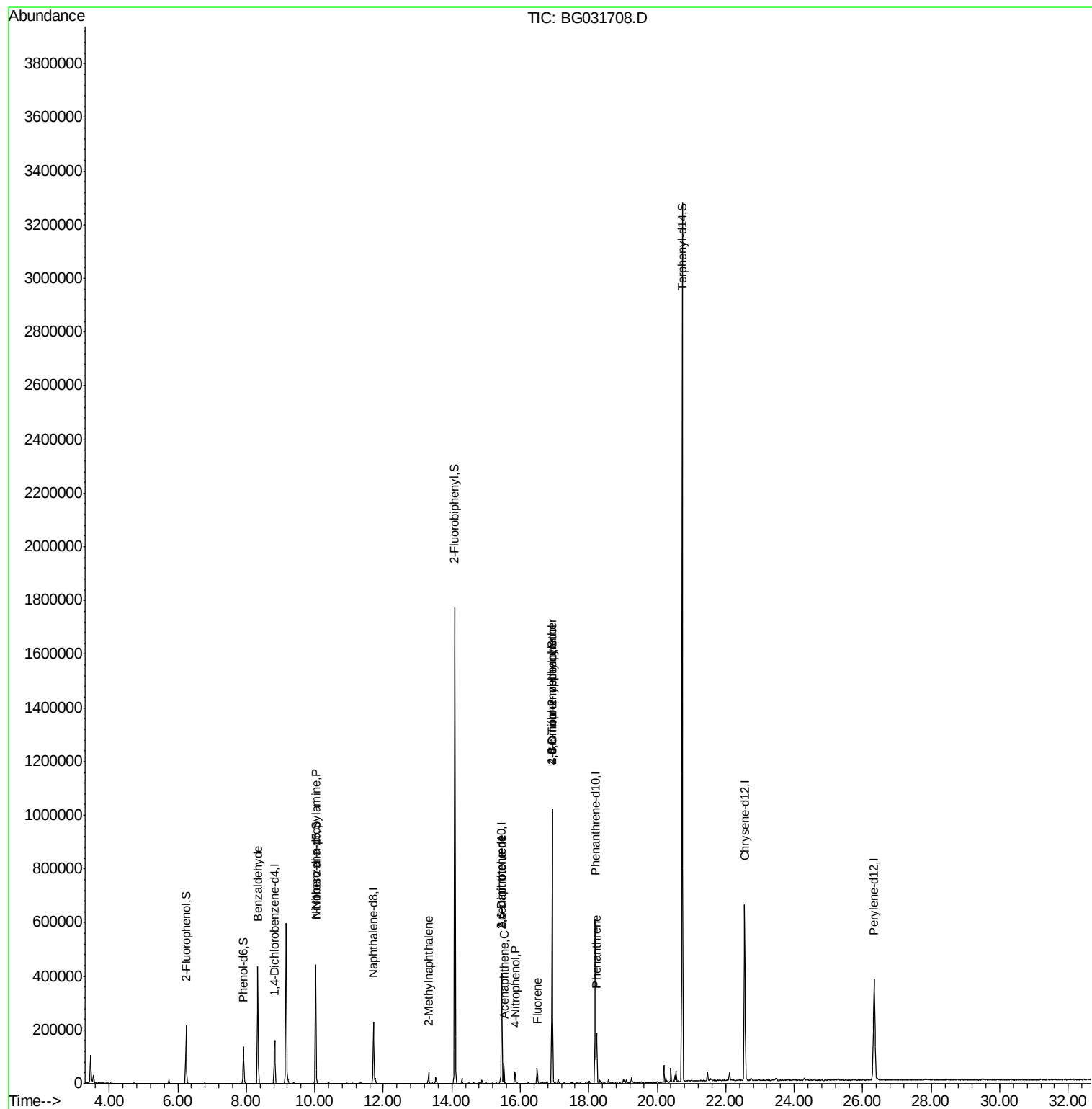
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	55359	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	230445	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	164433	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	431342	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	499891	20.00	ng	-0.02
86) Perylene-d12	26.34	264	523997	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	122145	40.19	ng	0.00
7) Phenol-d6	7.92	99	93310	23.65	ng	-0.01
23) Nitrobenzene-d5	10.03	82	282303	92.50	ng	-0.01
41) 2,4,6-Tribromophenol	16.93	330	243786	97.16	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1070598	81.72	ng	-0.01
78) Terphenyl-d14	20.73	244	1875680	85.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.34	77	5206	2.191	ng	93
19) n-Nitroso-di-n-propylamine	10.03	70	37696	13.988	ng	# 67
37) 2-Methylnaphthalene	13.32	142	25307	2.684	ng	# 93
50) 2,6-Dinitrotoluene	15.46	165	20979	7.872	ng	# 18
51) Acenaphthene	15.52	154	30691	2.734	ng	98
55) 4-Nitrophenol	15.85	139	11564	5.465	ng	# 2
56) 2,4-Dinitrotoluene	15.46	165	20979	6.122	ng	# 16
57) Fluorene	16.50	166	30504	2.182	ng	99
64) 4,6-Dinitro-2-methylphenol	16.92	198	374	8.453	ng	# 35
66) 4-Bromophenyl-phenylether	16.93	248	19054	3.055	ng	# 1
70) Phenanthrene	18.24	178	131733	5.397	ng	99

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

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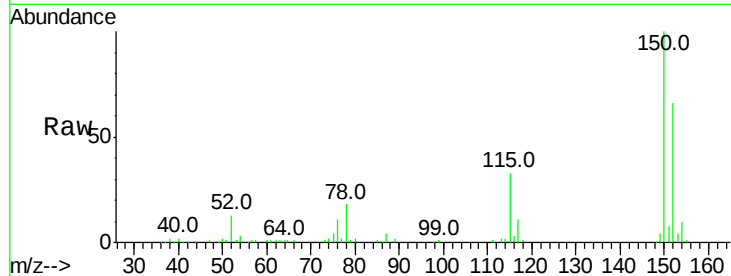


#1

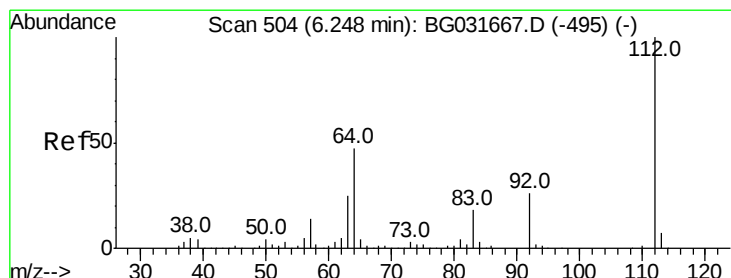
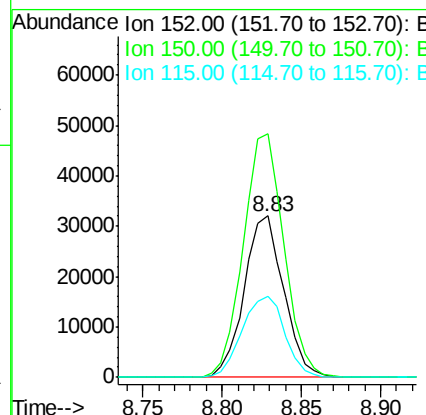
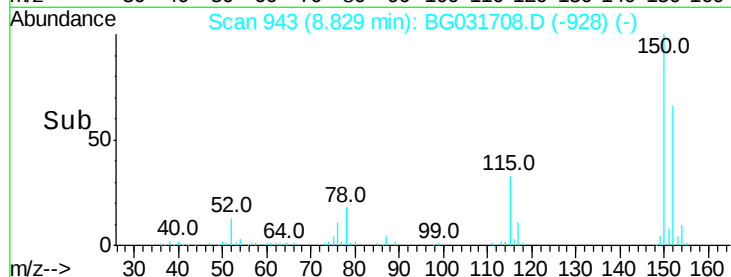
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55359
Ion Ratio Lower Upper
152 100
150 150.9 126.6 189.8
115 50.1 53.0 79.4#



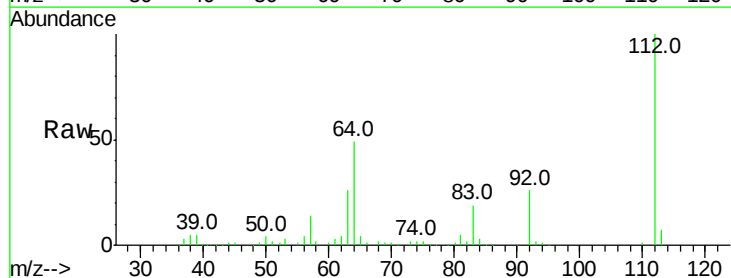
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



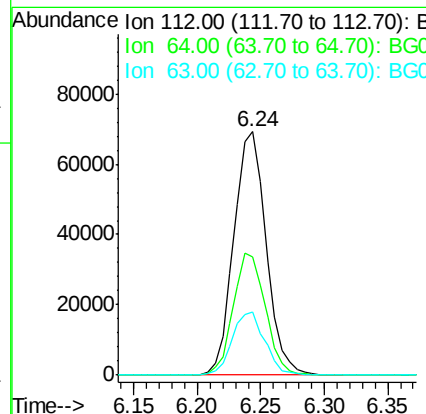
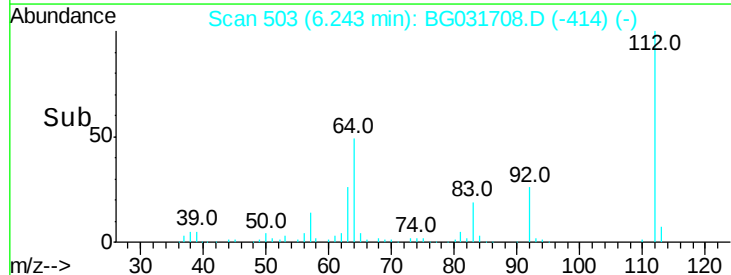
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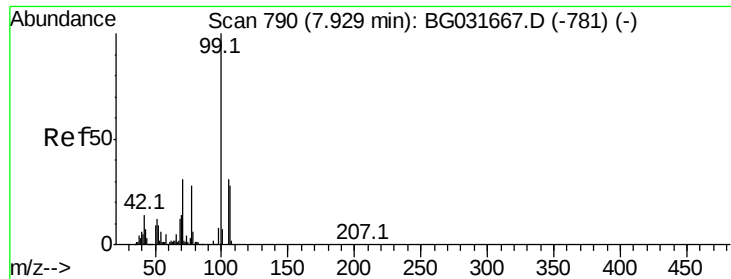
2-Fluorophenol
Concen: 40.187 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:112 Resp: 122145
Ion Ratio Lower Upper
112 100
64 48.7 56.3 84.5#
63 26.2 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 23.646 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031708.D

Acq: 22 Dec 2017 13:08

Instrument :

BNA_G

ClientSampleId :

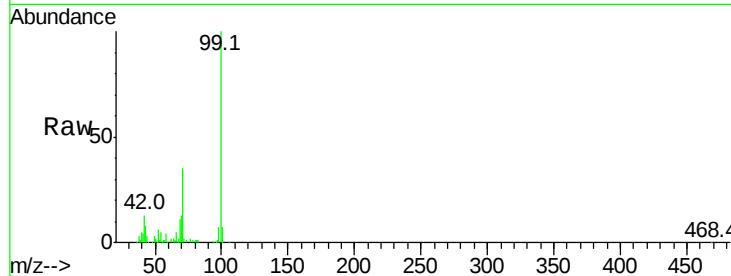
Tot Ion: 99 Resp: 93310

Ion Ratio Lower Upper

99 100

42 13.2 14.1 21.1#

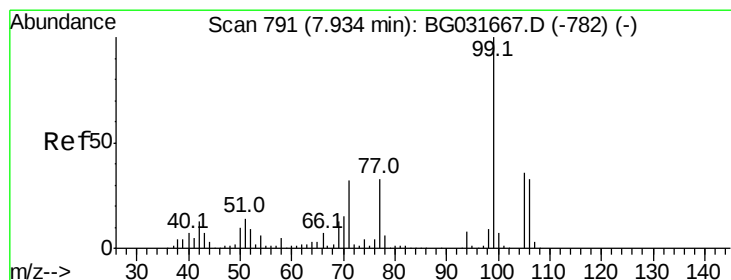
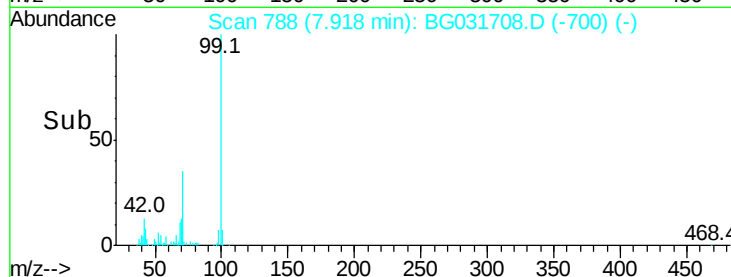
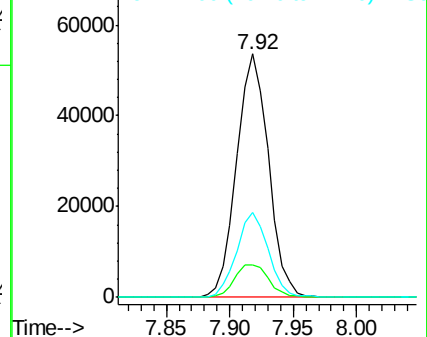
71 34.8 26.1 39.1



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: 2.191 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031708.D

Acq: 22 Dec 2017 13:08

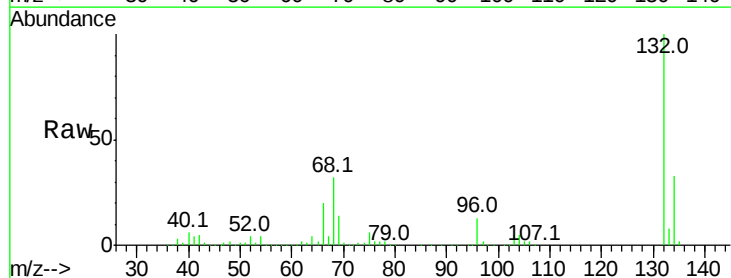
Tgt Ion: 77 Resp: 5206

Ion Ratio Lower Upper

77 100

105 96.0 71.3 111.3

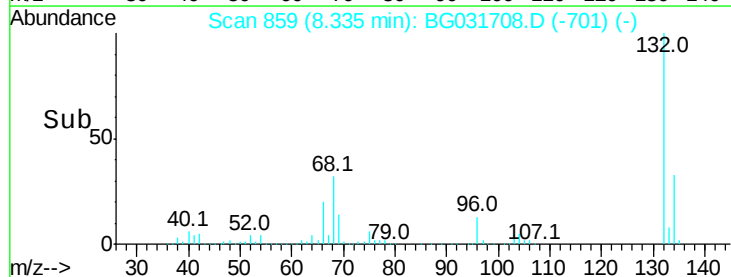
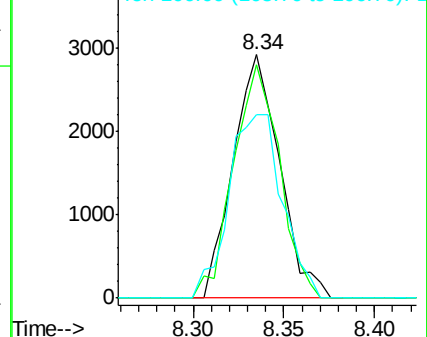
106 75.5 64.2 104.2

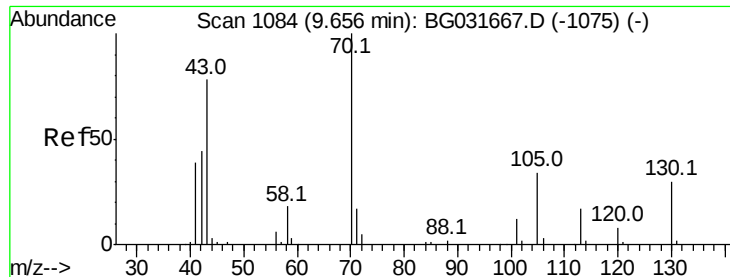


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

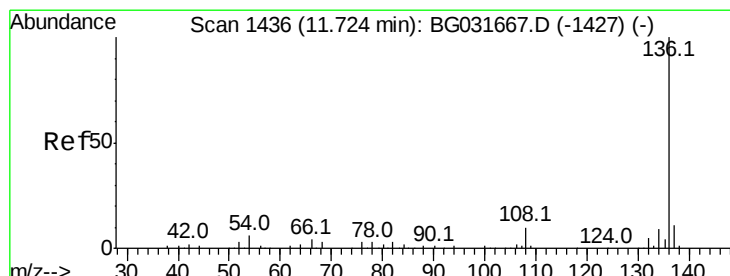
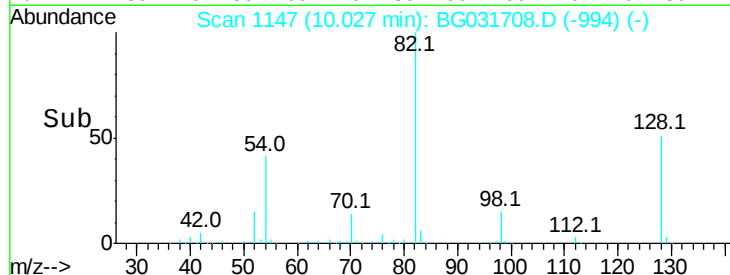
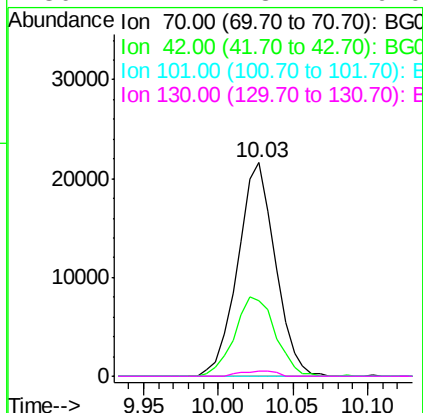
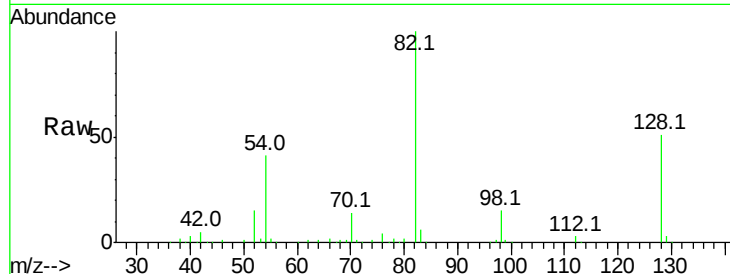




#19
n-Nitroso-di-n-propylamine
Concen: 13.988 ng
RT: 10.03 min Scan# 1147
Delta R.T. 0.37 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

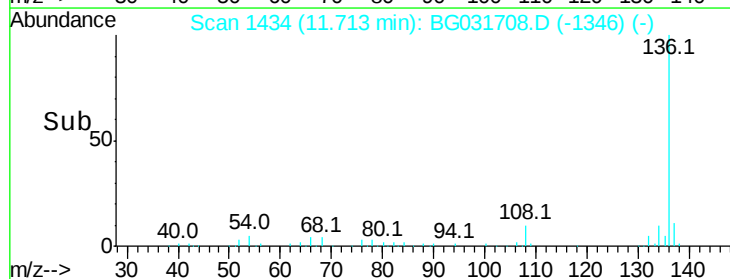
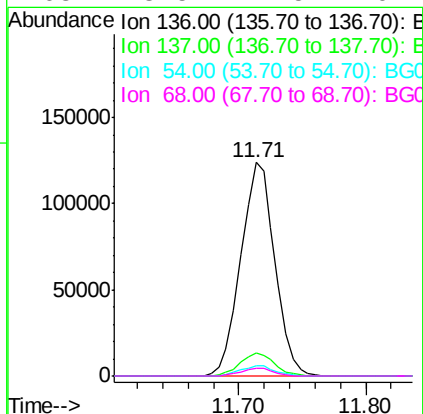
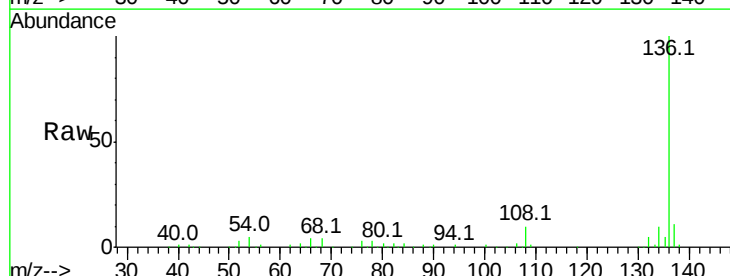
Instrument :
BNA_G
ClientSampleId :

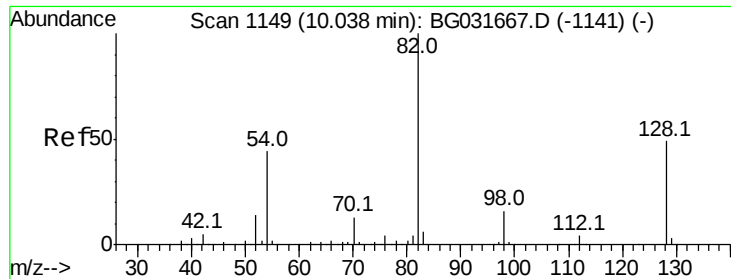
Tot Ion: 70 Resp: 37696
Ion Ratio Lower Upper
70 100
42 35.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.71 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion: 136 Resp: 230445
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 5.0 10.3 15.5#
68 3.5 4.5 6.7#

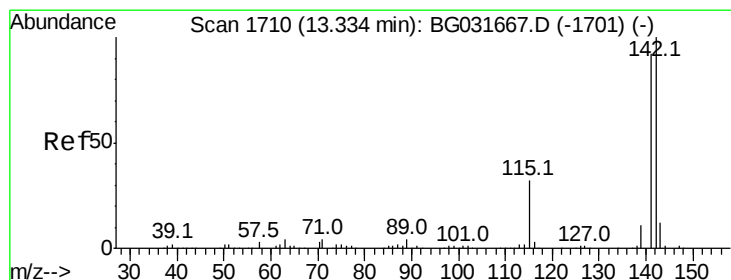
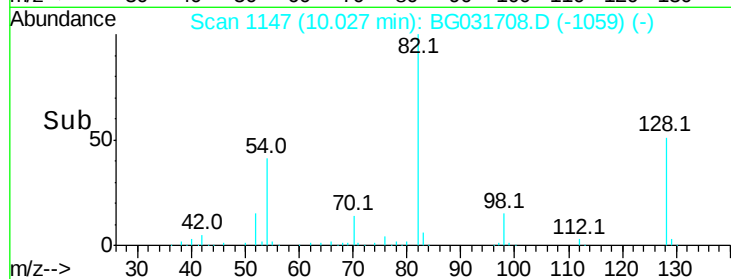
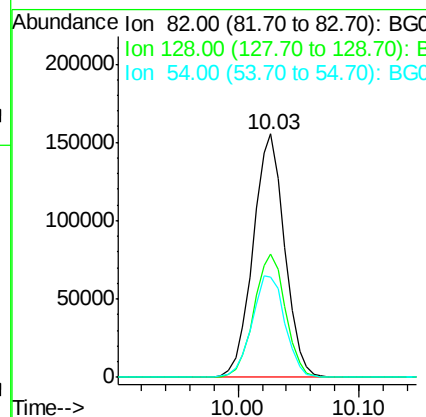
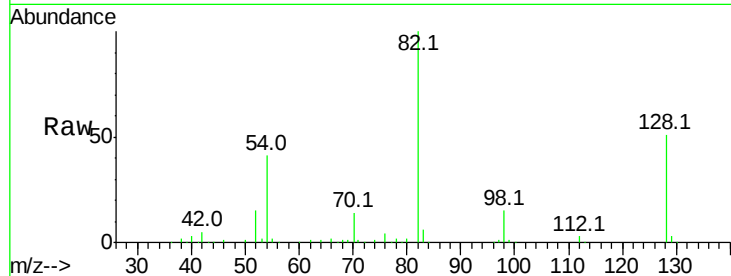




#23
 Nitrobenzene-d5
 Concen: 92.505 ng
 RT: 10.03 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BG031708.D
 Acq: 22 Dec 2017 13:08

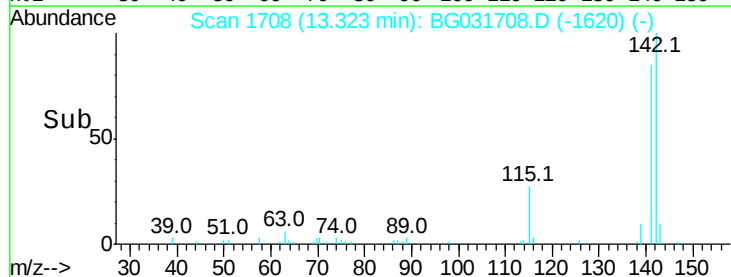
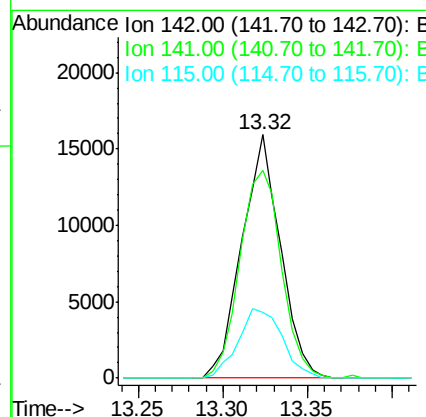
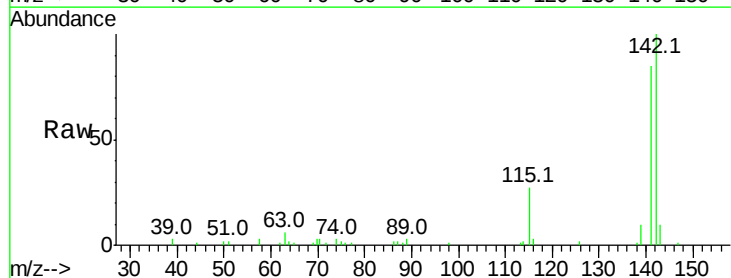
Instrument :
 BNA_G
 ClientSampleId :

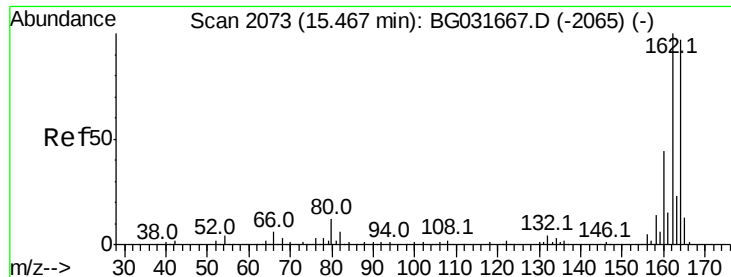
Tot Ion	82	Resp	282303
Ion Ratio	100		
Lower	29.7		
Upper	44.5#		
54	41.4	43.1	64.7#



#37
 2-Methylnaphthalene
 Concen: 2.684 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BG031708.D
 Acq: 22 Dec 2017 13:08

Tgt Ion	142	Resp	25307
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>67.1</td> <td></td> <td></td>	67.1		
Upper <td>100.7</td> <td></td> <td></td>	100.7		
141	85.1	30.7	46.1#
115	27.2		

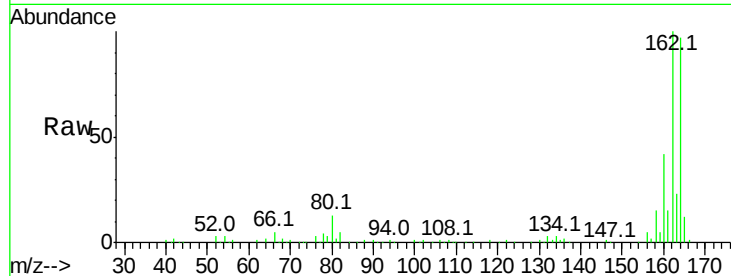




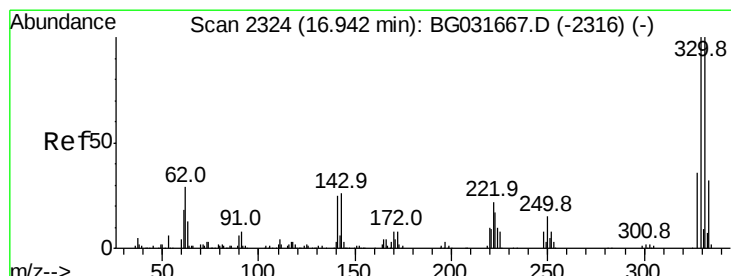
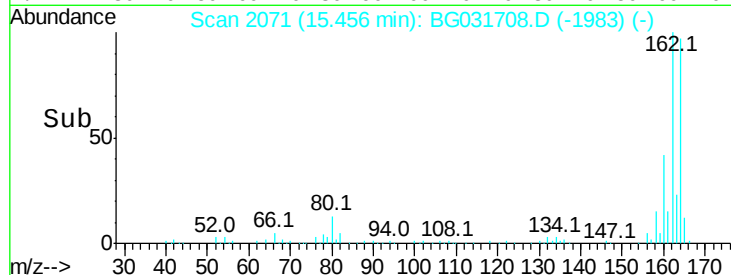
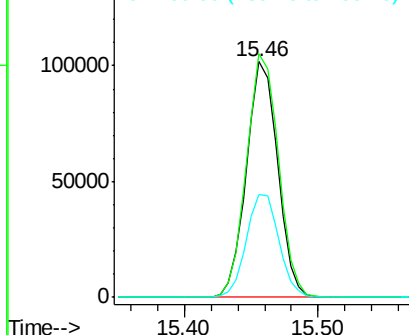
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031708.D
 Acq: 22 Dec 2017 13:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 164433
 Ion Ratio Lower Upper
 164 100
 162 103.2 78.8 118.2
 160 43.4 35.4 53.0

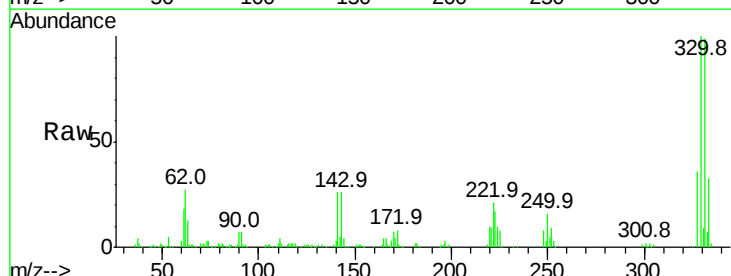


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

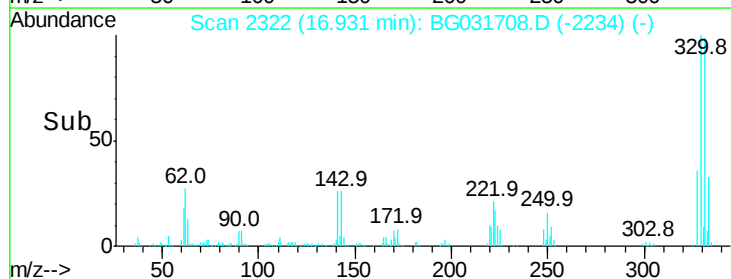
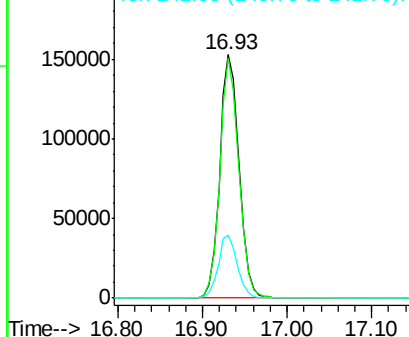


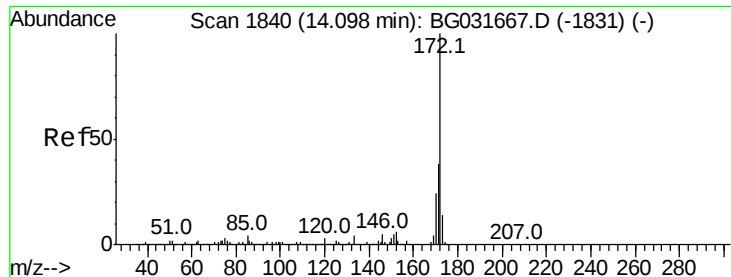
#41
 2,4,6-Tribromophenol
 Concen: 97.164 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031708.D
 Acq: 22 Dec 2017 13:08

Tgt Ion:330 Resp: 243786
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 25.8 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

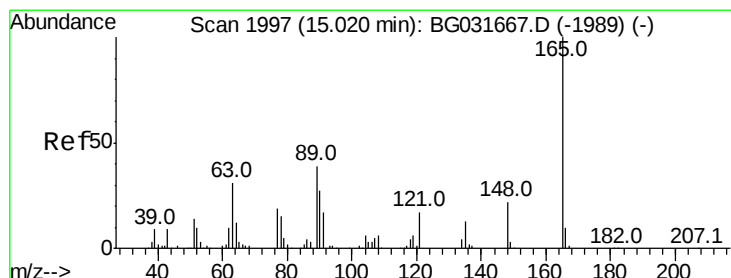
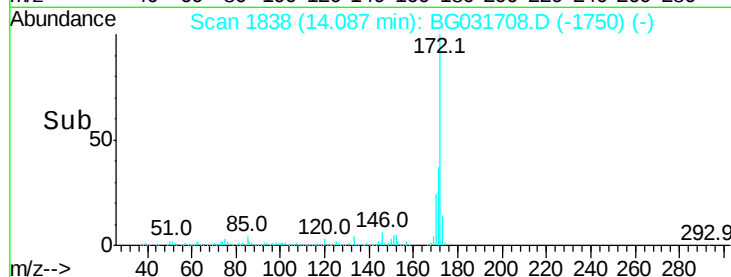
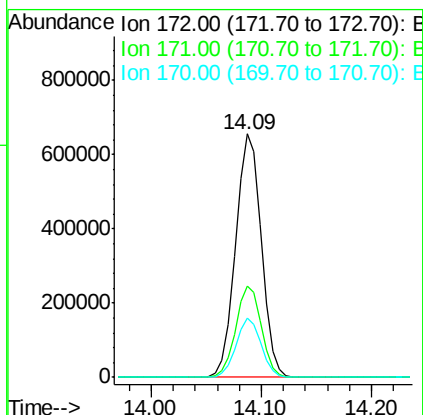
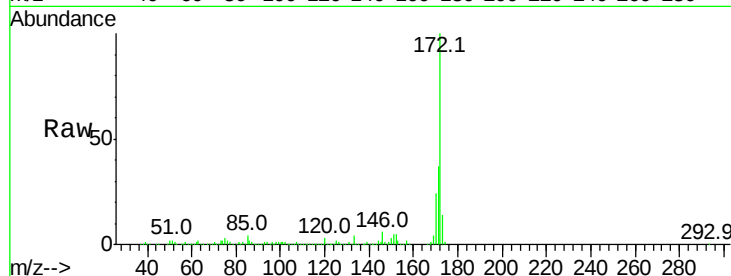




#44
2-Fluorobiphenyl
Concen: 81.720 ng
RT: 14.09 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

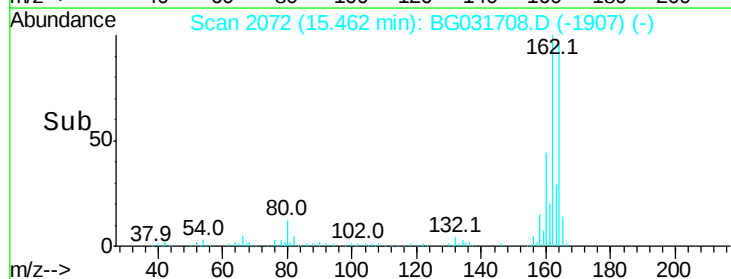
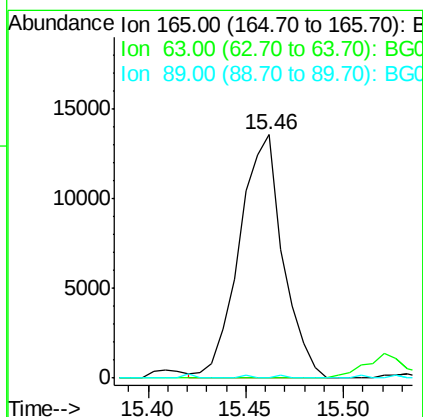
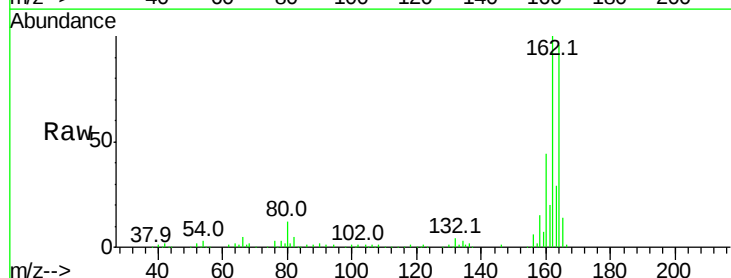
Instrument :
BNA_G
ClientSampled :

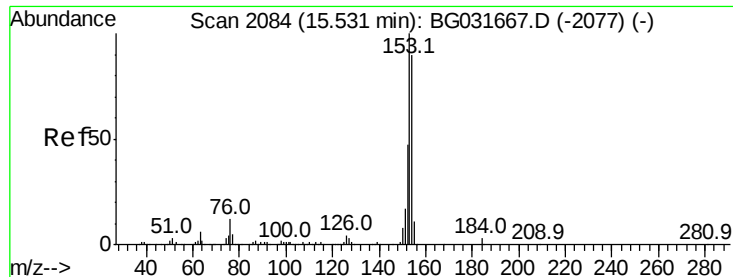
Tot Ion:172 Resp: 1070598
Ion Ratio Lower Upper
172 100
171 37.4 30.0 45.0
170 24.4 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.872 ng
RT: 15.46 min Scan# 2072
Delta R.T. 0.44 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:165 Resp: 20979
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#





#51

Acenaphthene

Concen: 2.734 ng

RT: 15.52 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BG031708.D

Acq: 22 Dec 2017 13:08

Instrument :

BNA_G

ClientSampleId :

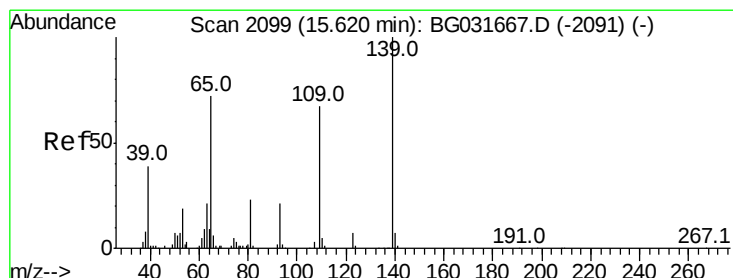
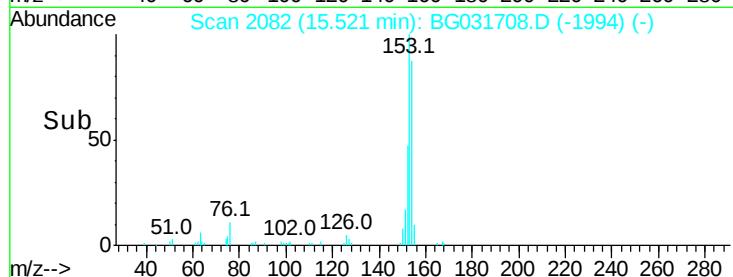
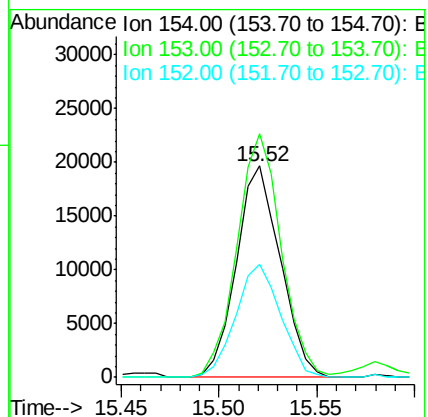
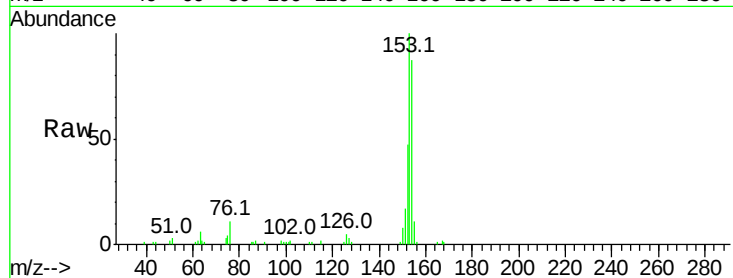
Tot Ion:154 Resp: 30691

Ion Ratio Lower Upper

154 100

153 115.1 90.4 135.6

152 53.6 41.6 62.4



#55

4-Nitrophenol

Concen: 5.465 ng

RT: 15.85 min Scan# 2138

Delta R.T. 0.23 min

Lab File: BG031708.D

Acq: 22 Dec 2017 13:08

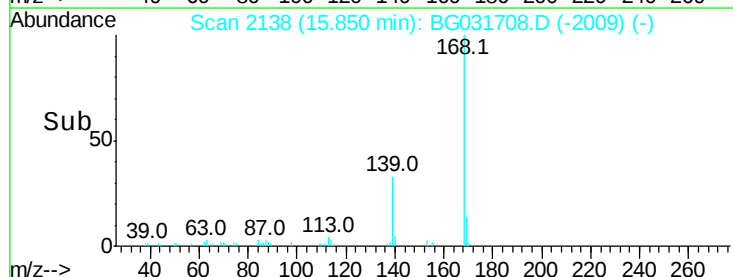
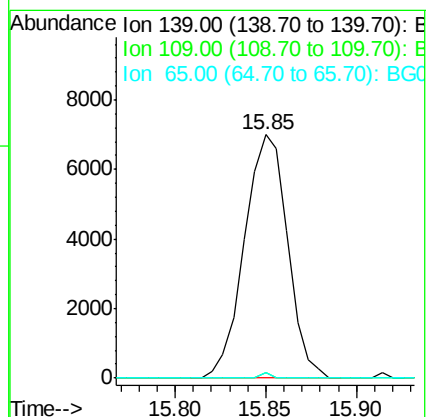
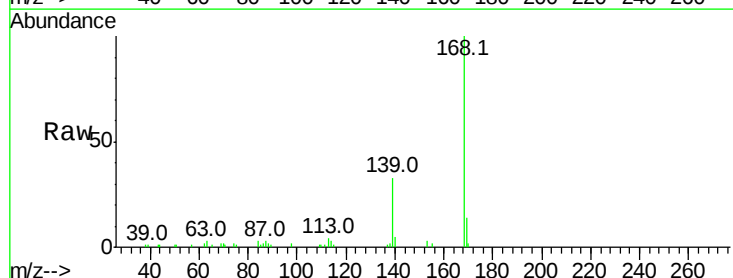
Tgt Ion:139 Resp: 11564

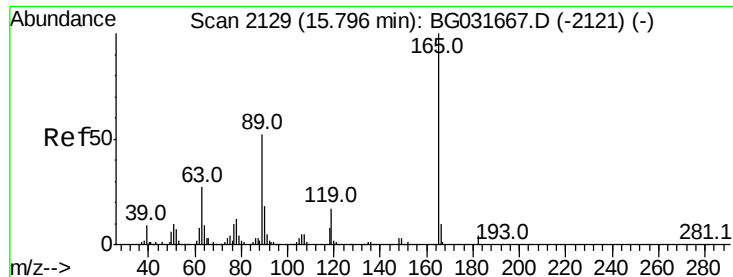
Ion Ratio Lower Upper

139 100

109 2.4 62.2 102.2#

65 2.5 97.2 137.2#

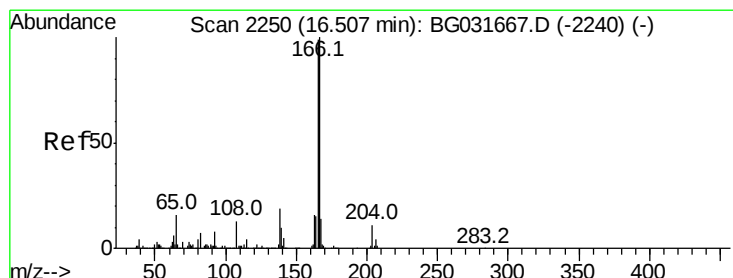
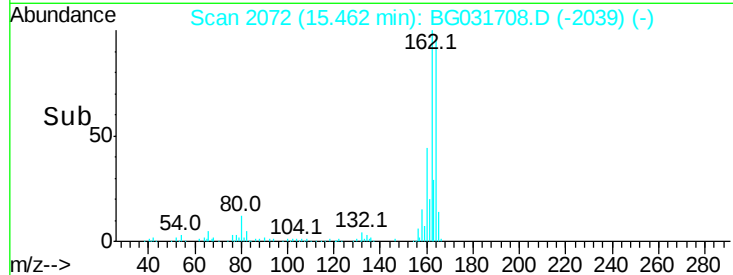
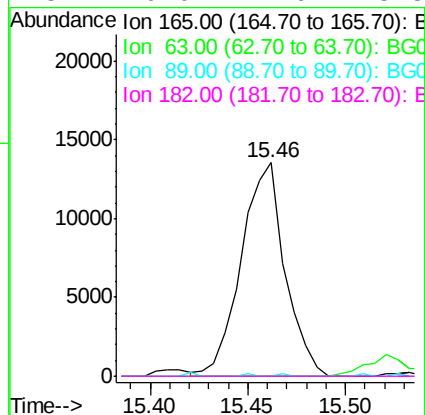
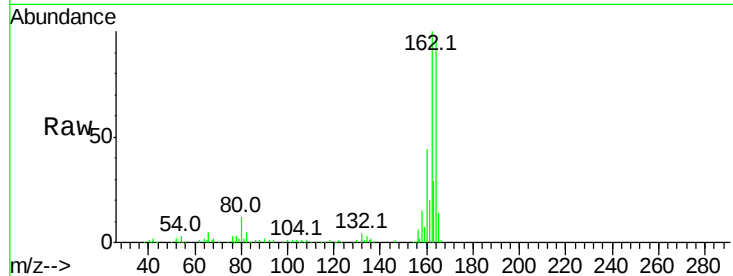




#56
2,4-Dinitrotoluene
Concen: 6.122 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.33 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

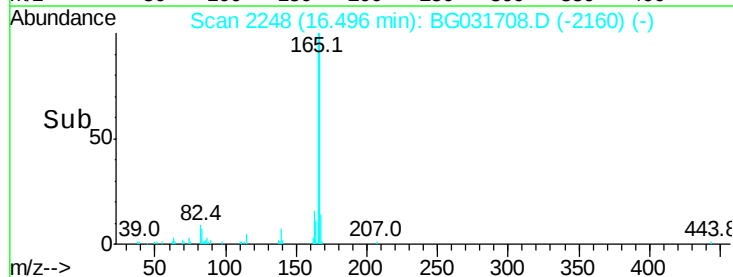
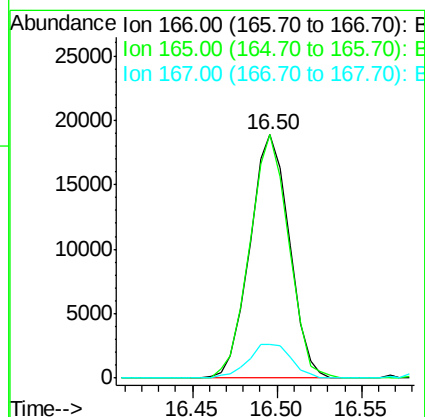
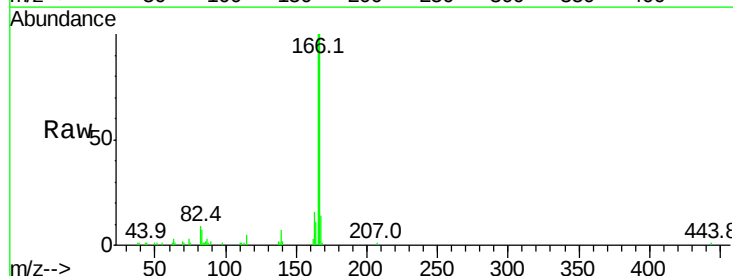
Instrument :
BNA_G
ClientSampleId :

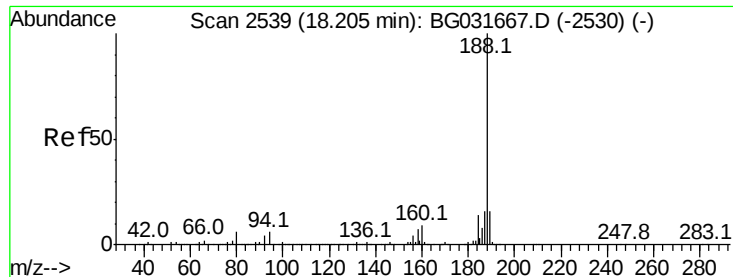
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#57
Fluorene
Concen: 2.182 ng
RT: 16.50 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.6	121.0
167	13.6	10.4	15.6

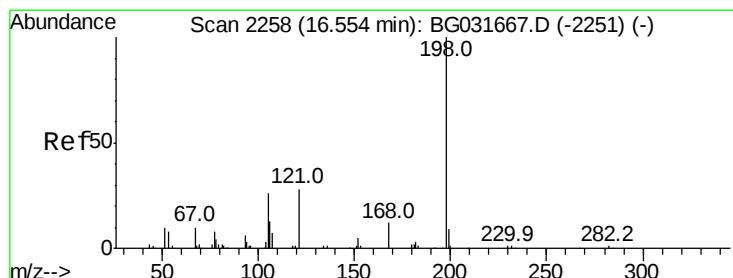
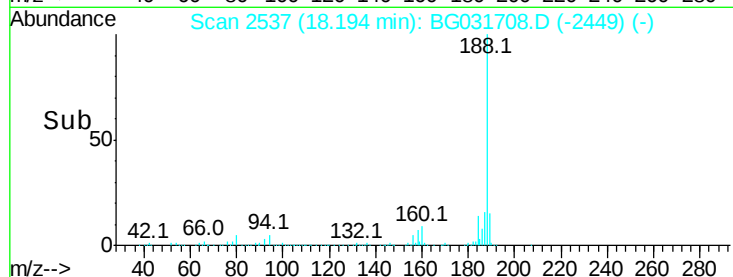
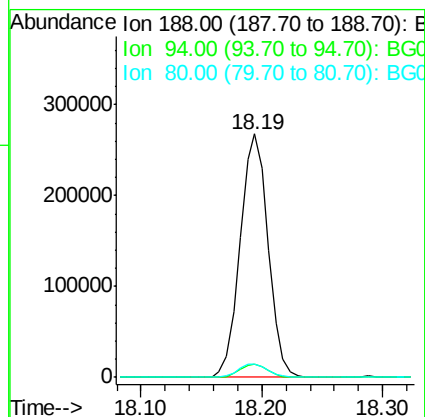
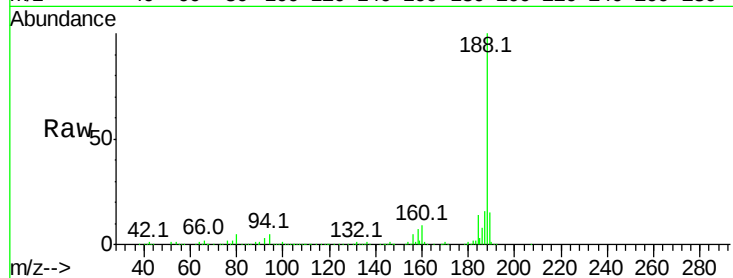




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.19 min Scan# 2537
 Delta R.T. -0.01 min
 Lab File: BG031708.D
 Acq: 22 Dec 2017 13:08

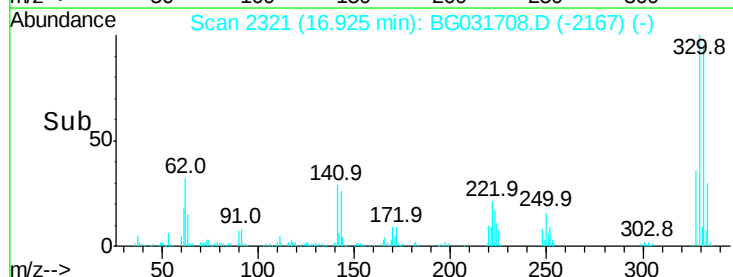
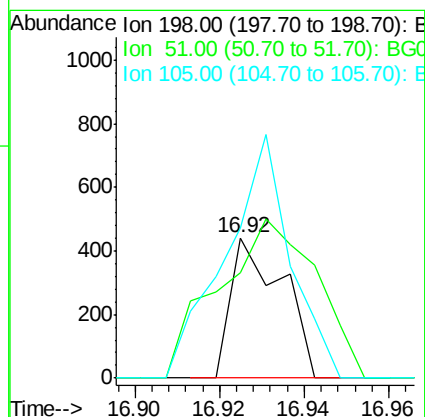
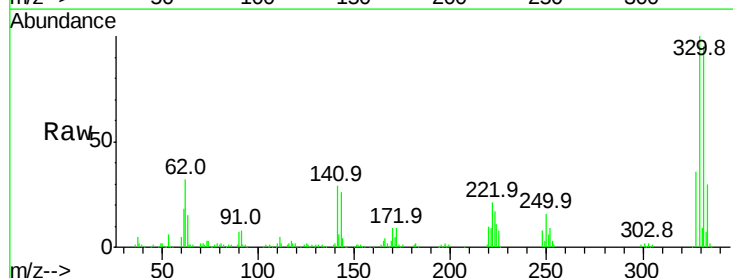
Instrument :
 BNA_G
 ClientSampleId :

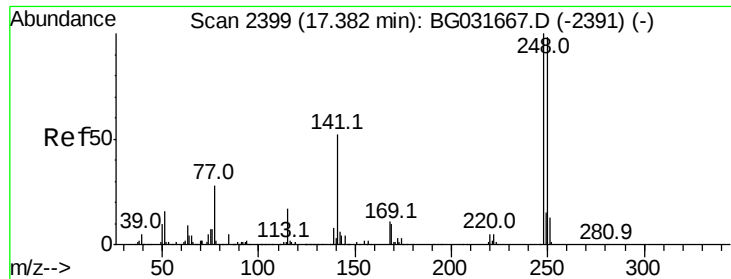
Tot Ion:188 Resp: 431342
 Ion Ratio Lower Upper
 188 100
 94 5.4 6.9 10.3#
 80 5.4 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.453 ng
 RT: 16.92 min Scan# 2321
 Delta R.T. 0.37 min
 Lab File: BG031708.D
 Acq: 22 Dec 2017 13:08

Tgt Ion:198 Resp: 374
 Ion Ratio Lower Upper
 198 100
 51 75.0 30.6 70.6#
 105 107.7 23.8 63.8#

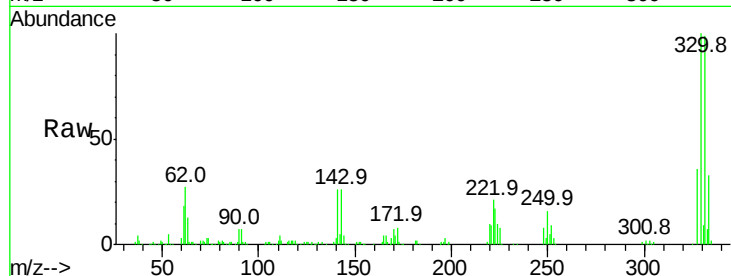




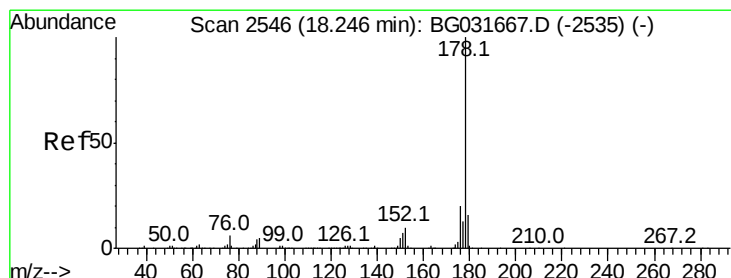
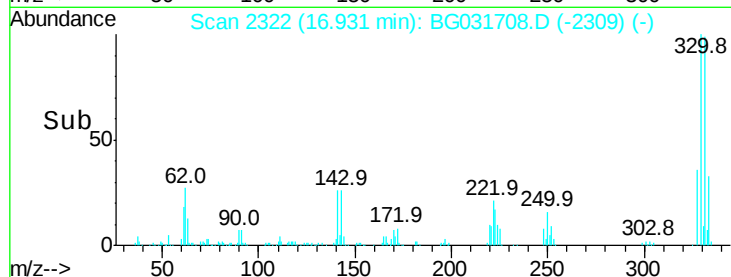
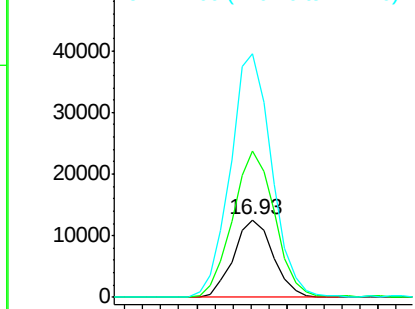
#66
4-Bromophenyl-phenylether
Concen: 3.055 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 19054
Ion Ratio Lower Upper
248 100
250 189.6 77.1 115.7#
141 314.4 50.8 76.2#

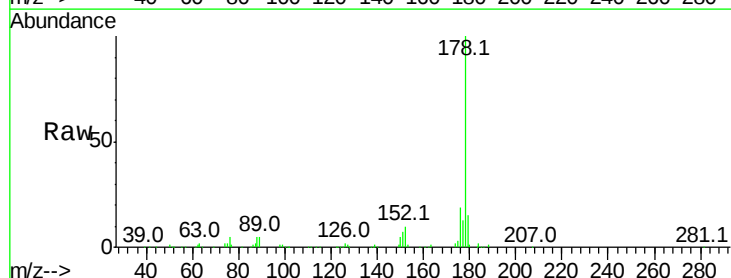


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

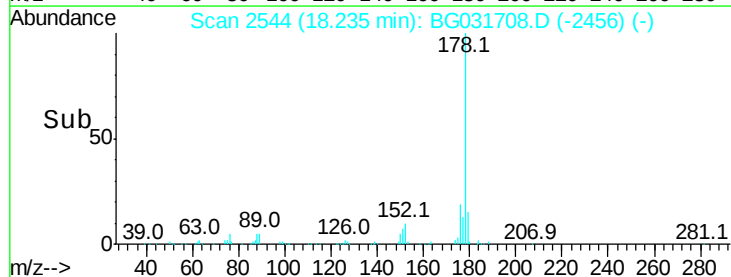
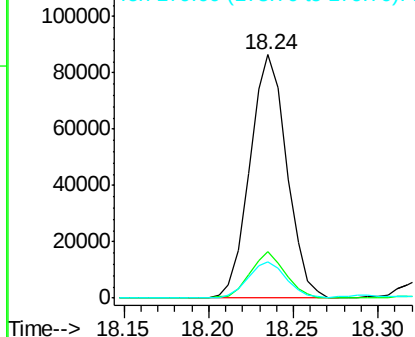


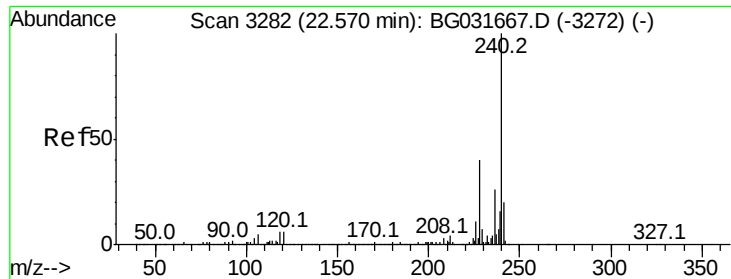
#70
Phenanthrene
Concen: 5.397 ng
RT: 18.24 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Tgt Ion:178 Resp: 131733
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.0 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: 22.55 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BG031708.D

Acq: 22 Dec 2017 13:08

Instrument :

BNA_G

ClientSampleId :

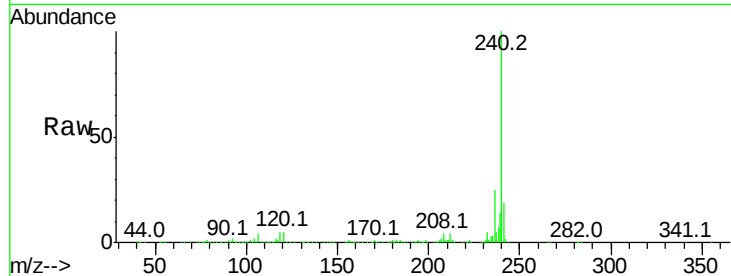
Tot Ion:240 Resp: 499891

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

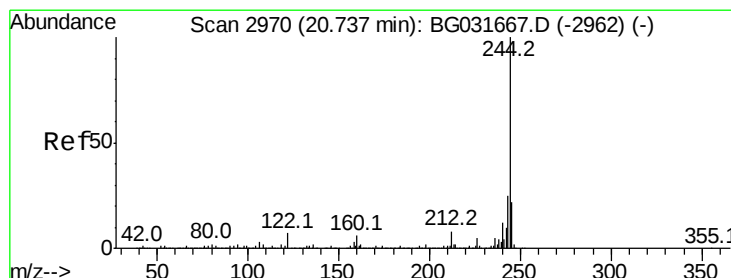
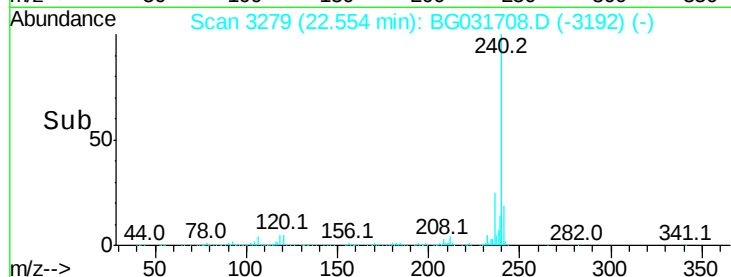
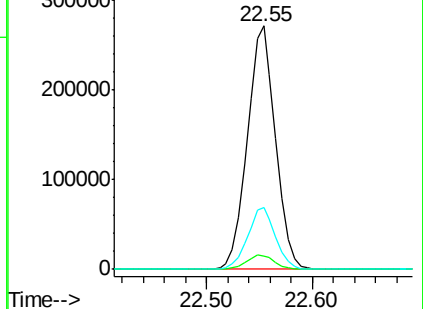
236 25.3 20.9 31.3



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: 85.724 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031708.D

Acq: 22 Dec 2017 13:08

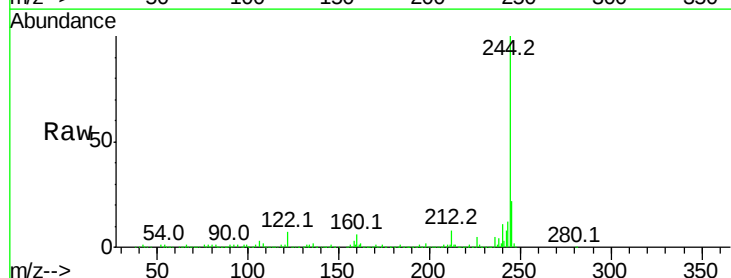
Tgt Ion:244 Resp: 1875680

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

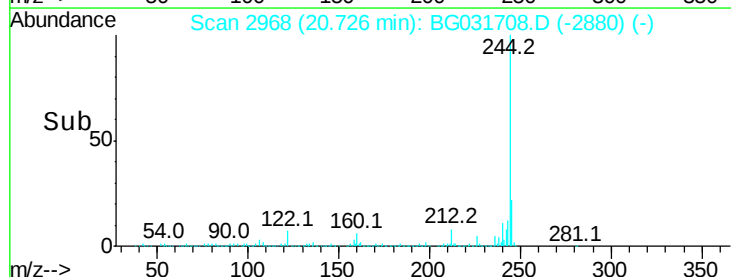
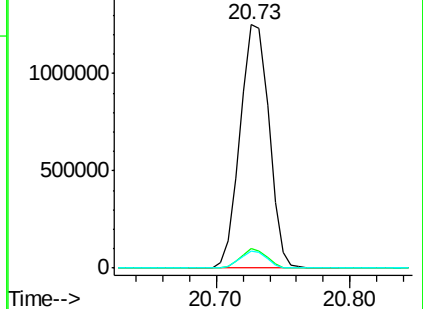
122 7.1 7.0 10.4

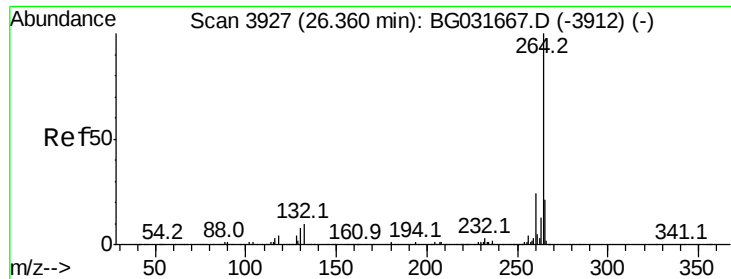


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.34 min Scan# 3923
Delta R.T. -0.02 min
Lab File: BG031708.D
Acq: 22 Dec 2017 13:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	22.2	17.7	26.5

