

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034966.D
 Acq On : 7 Jun 2018 23:55
 Operator : SJ/JU
 Sample : PB109967BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB109967BL

Quant Time: Jun 08 04:33:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 07 13:13:20 2018
 Response via : Initial Calibration

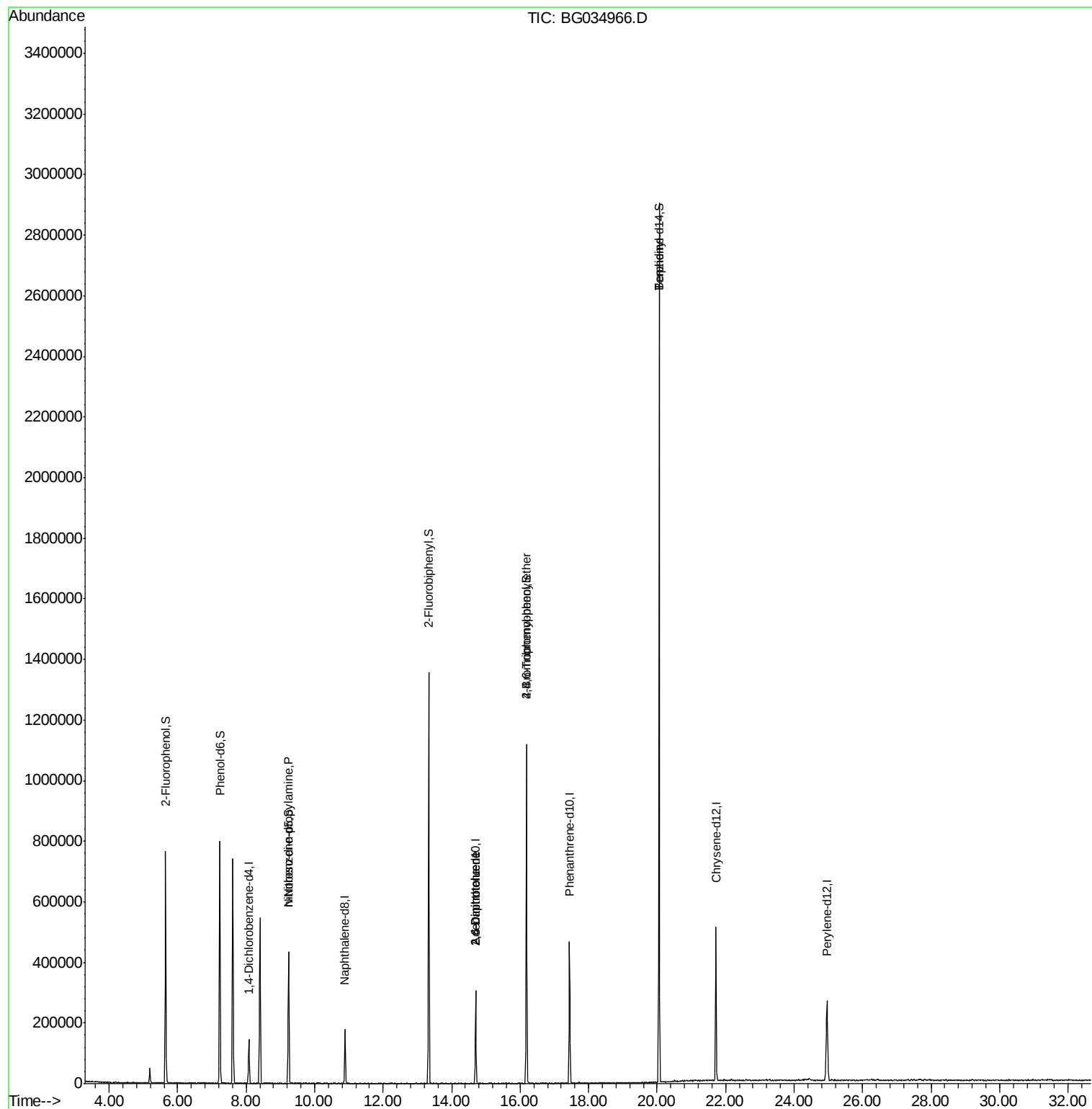
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	37906	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	142068	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	104631	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	288847	20.00	ng	0.00
75) Chrysene-d12	21.71	240	314205	20.00	ng	-0.01
86) Perylene-d12	24.96	264	302776	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	308381	137.29	ng	0.00
7) Phenol-d6	7.23	99	456140	137.59	ng	0.00
23) Nitrobenzene-d5	9.24	82	280856	93.97	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	193841	144.72	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	693348	86.15	ng	0.00
78) Terphenyl-d14	20.06	244	1308591	87.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	38536	13.68	ng	# 67
50) 2,6-Dinitrotoluene	14.70	165	13394	8.05	ng	# 18
56) 2,4-Dinitrotoluene	14.70	165	13394	6.06	ng	# 16
66) 4-Bromophenyl-phenylether	16.18	248	15779	4.54	ng	# 1
76) Benzidine	20.06	184	23676	2.03	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

Instrument :

BNA_G

ClientSampleId :

PB109967BL

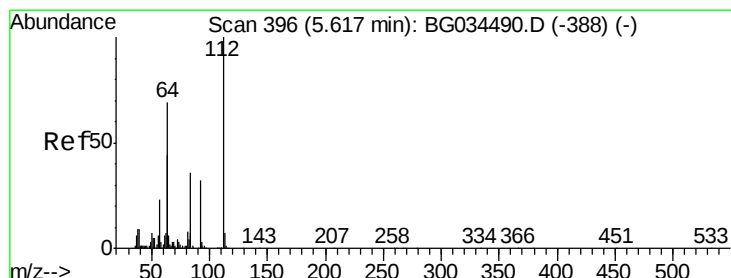
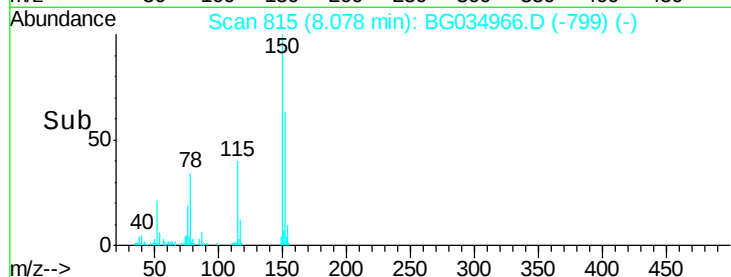
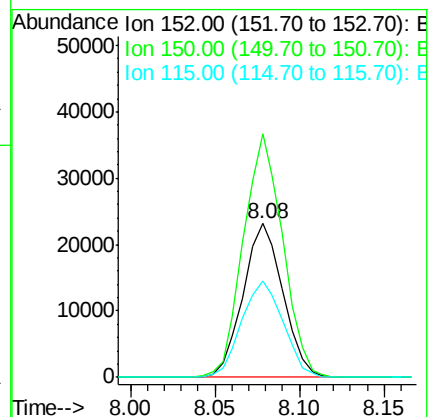
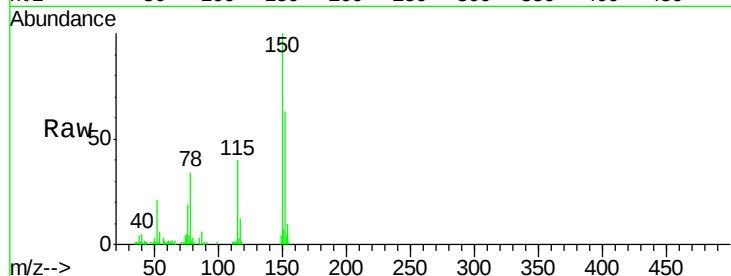
Tot Ion:152 Resp: 37906

Ion Ratio Lower Upper

152 100

150 158.7 126.6 189.8

115 63.2 53.0 79.4



#5

2-Fluorophenol

Concen: 137.29 ng

RT: 5.65 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

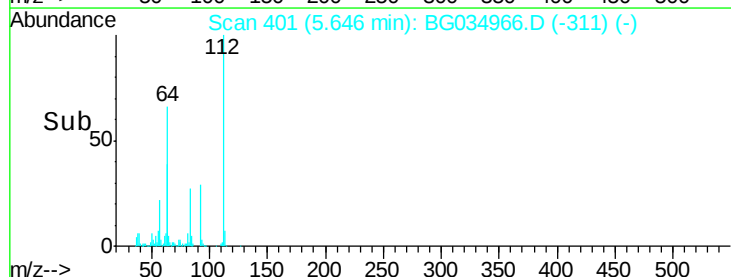
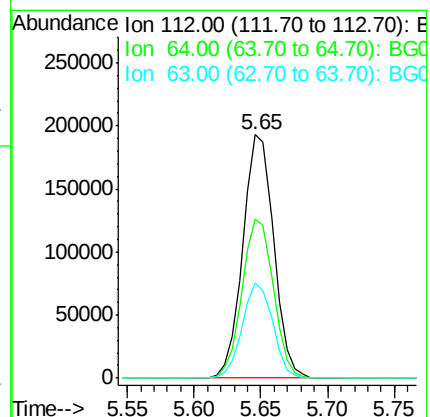
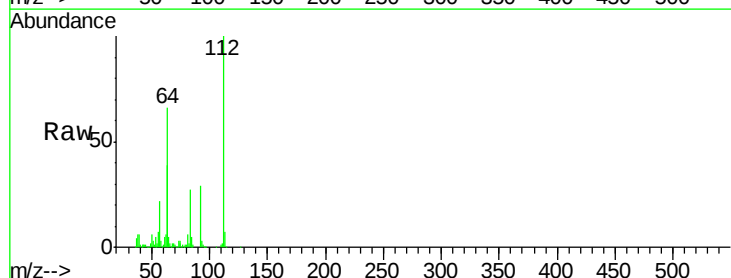
Tgt Ion:112 Resp: 308381

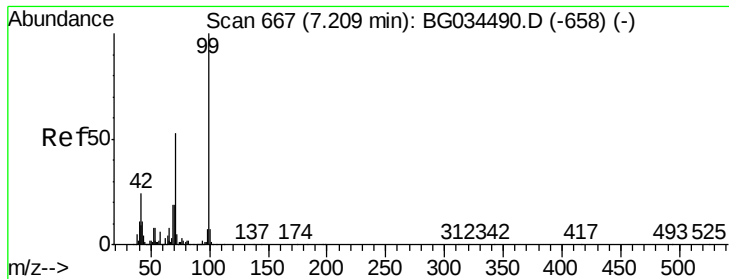
Ion Ratio Lower Upper

112 100

64 65.6 56.3 84.5

63 39.0 30.1 45.1





#7

Phenol-d6

Concen: 137.59 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

Instrument :

BNA_G

ClientSampleId :

PB109967BL

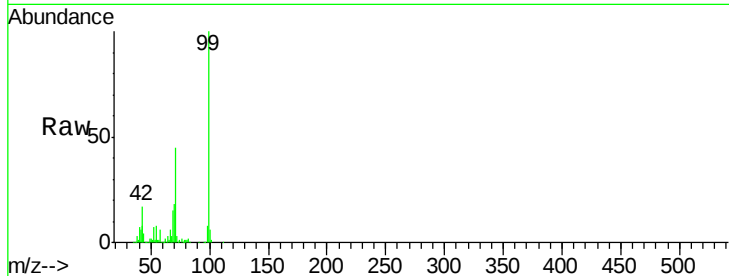
Tot Ion: 99 Resp: 456140

Ion Ratio Lower Upper

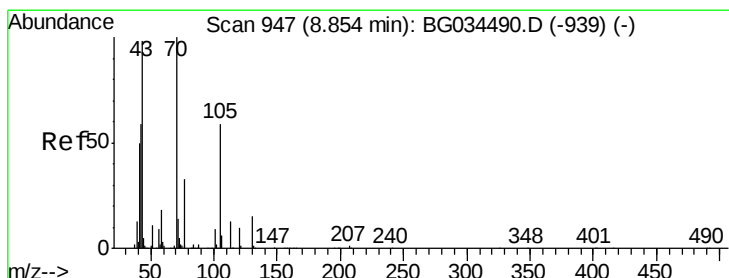
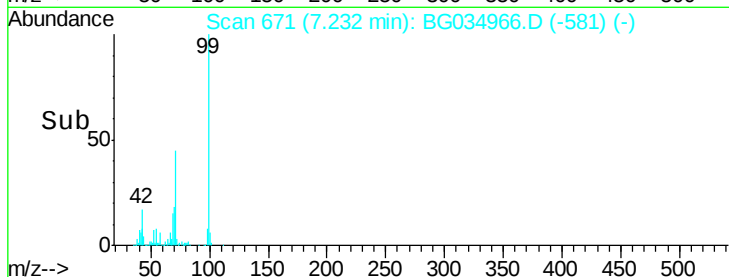
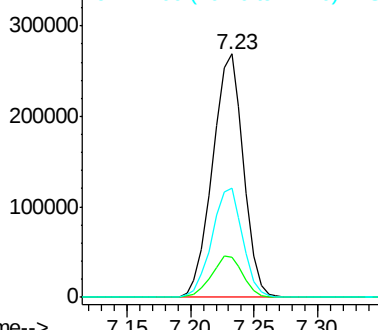
99 100

42 16.6 14.1 21.1

71 45.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.68 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

Tgt Ion: 70 Resp: 38536

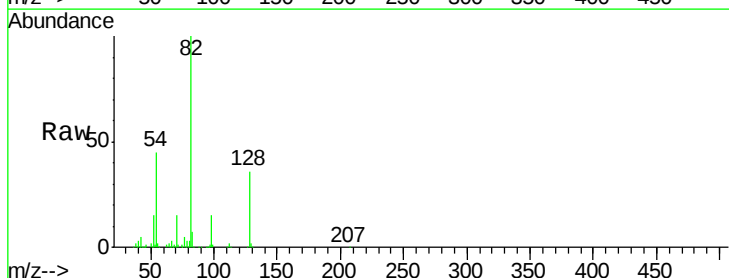
Ion Ratio Lower Upper

70 100

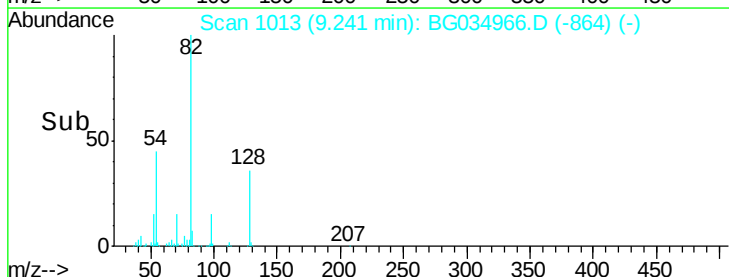
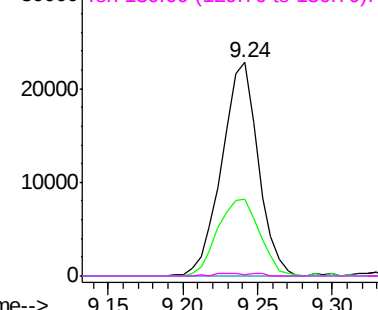
42 36.0 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 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

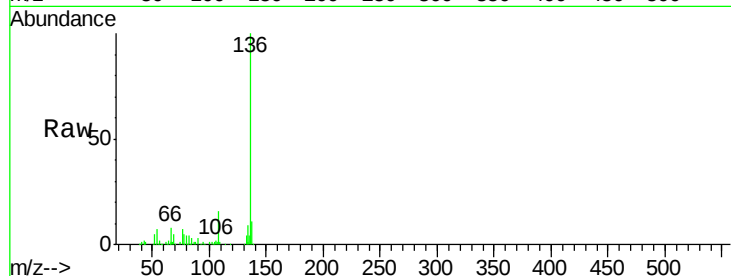




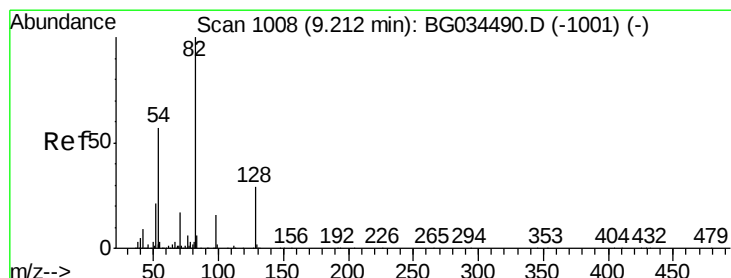
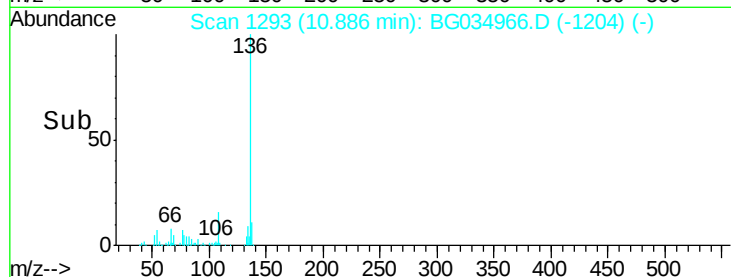
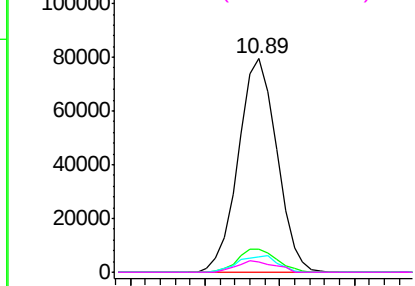
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

Instrument :
BNA_G
ClientSampleId :
PB109967BL

Tot Ion:136	Resp:	142068	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	9.2	13.8	
54 7.5	10.3	15.5#	
68 4.8	4.5	6.7	

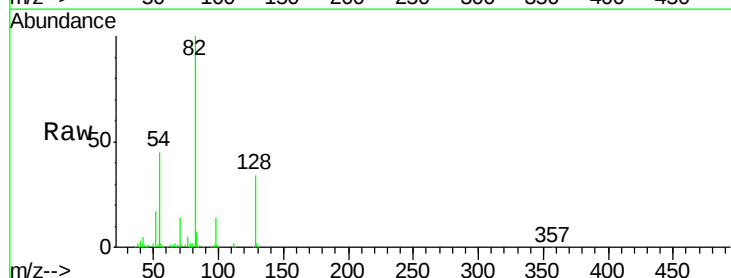


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

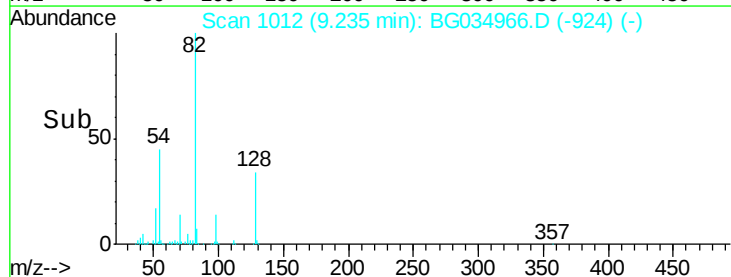
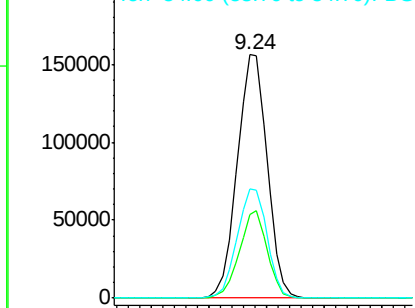


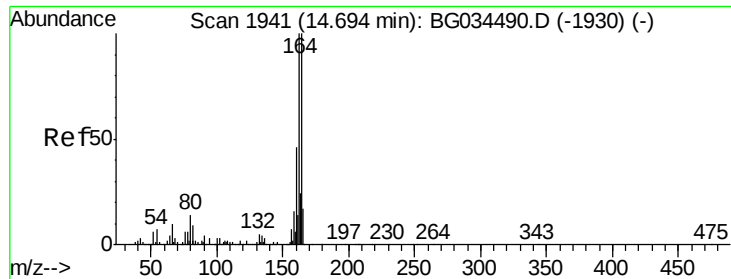
#23
Nitrobenzene-d5
Concen: 93.97 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

Tgt Ion	82	Resp: Lower	280856 Upper
	Ratio 100		
128	34.1	29.7	44.5
54	45.1	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

Instrument :

BNA_G

ClientSampleId :

PB109967BL

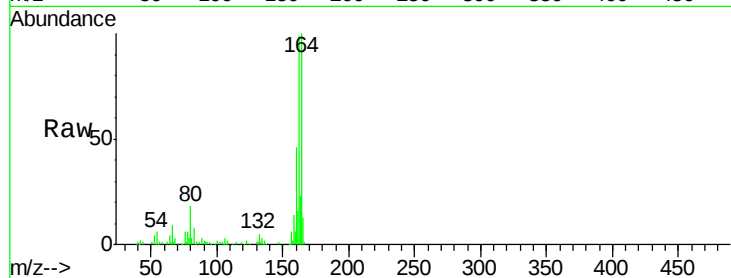
Tot Ion:164 Resp: 104631

Ion Ratio Lower Upper

164 100

162 99.3 78.8 118.2

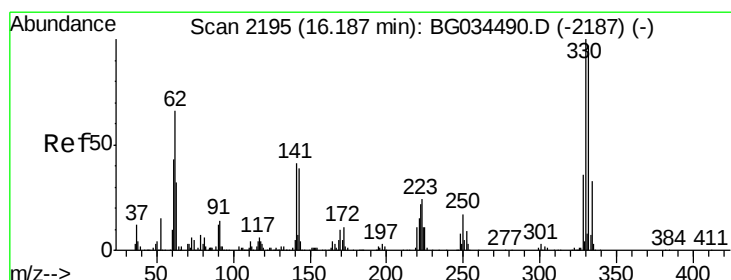
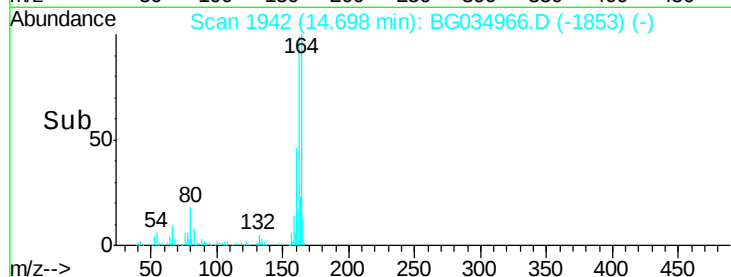
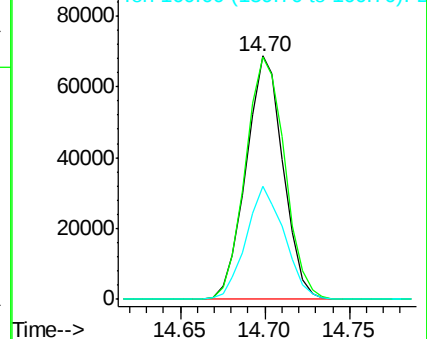
160 46.4 35.4 53.0



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: 144.72 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

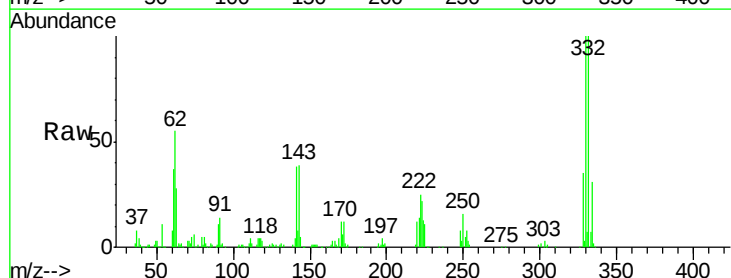
Tgt Ion:330 Resp: 193841

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

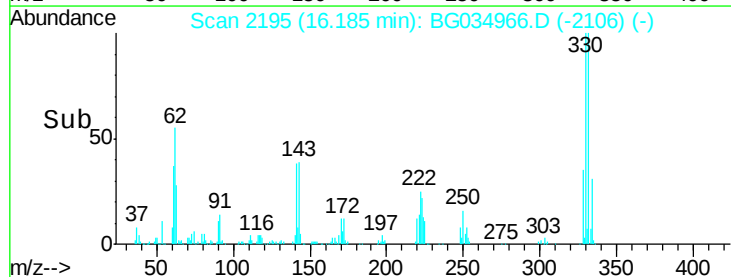
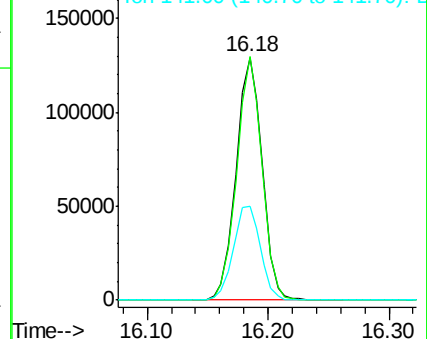
141 40.0 25.2 37.8#

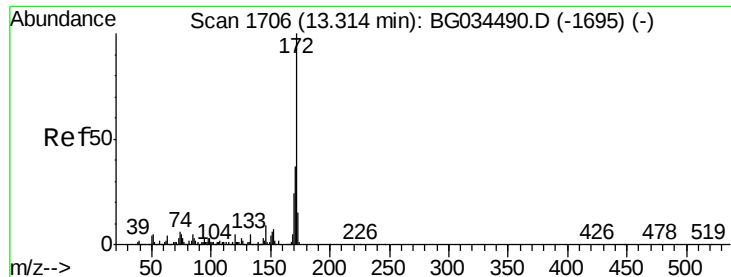


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

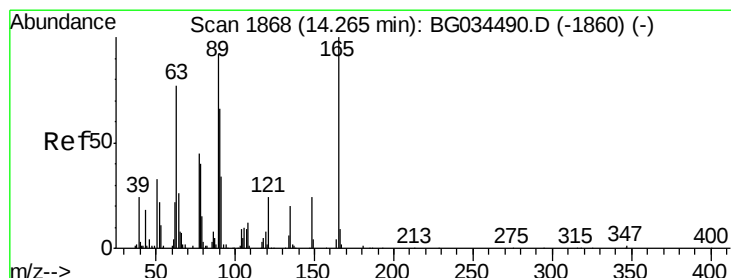
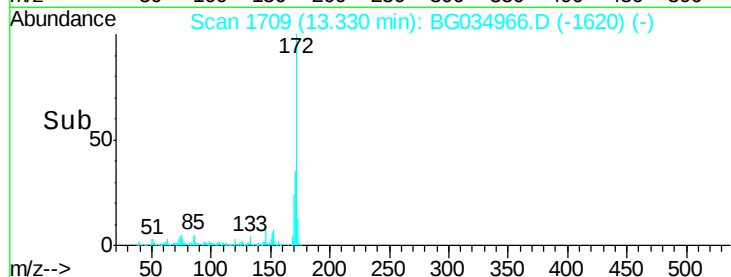
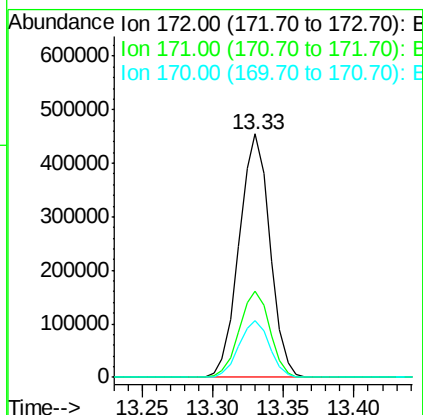
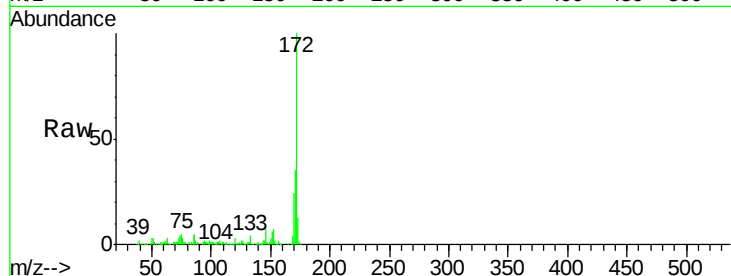




#44
2-Fluorobiphenyl
Concen: 86.15 ng
RT: 13.33 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

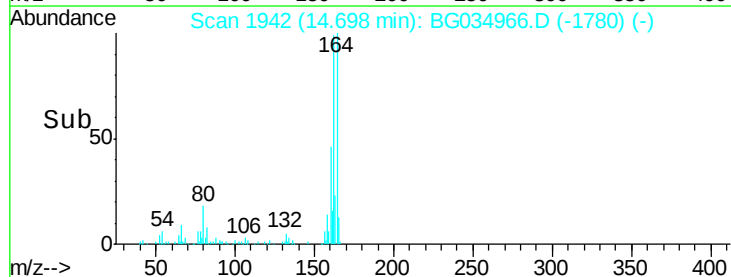
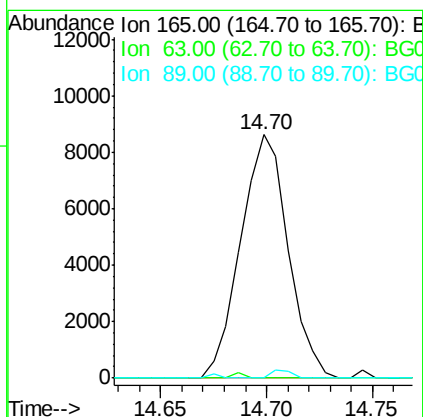
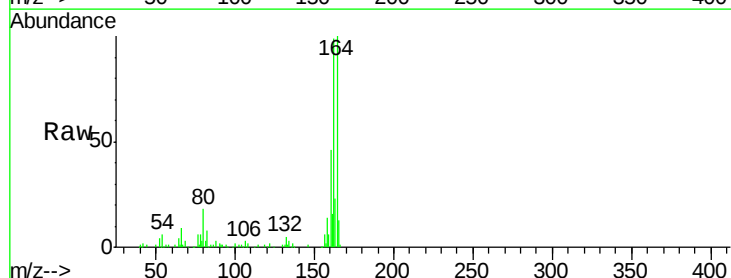
Instrument :
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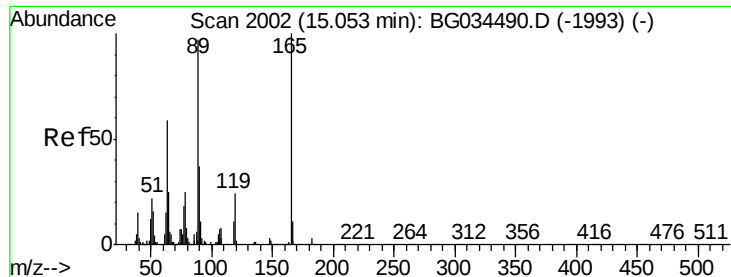
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	23.5	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 8.05 ng
RT: 14.70 min Scan# 1942
Delta R.T. 0.42 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

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

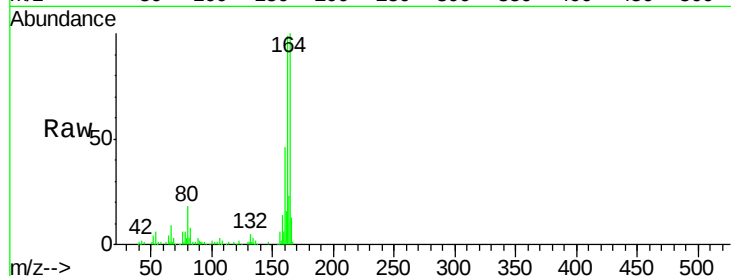




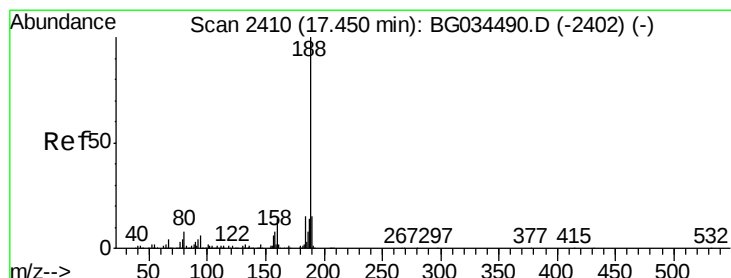
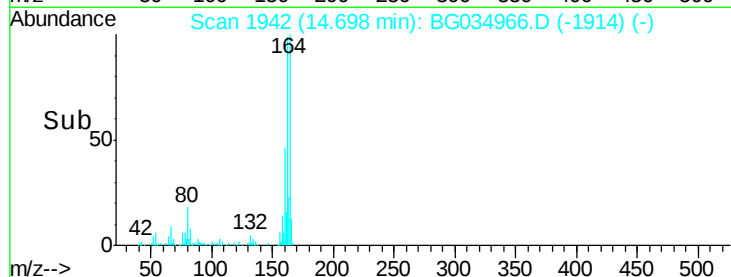
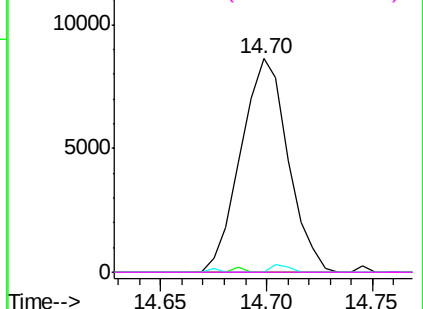
#56
2,4-Dinitrotoluene
Concen: 6.06 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.37 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

Instrument :
BNA_G
ClientSampleId :
PB109967BL

Tot Ion:165 Resp: 13394
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#

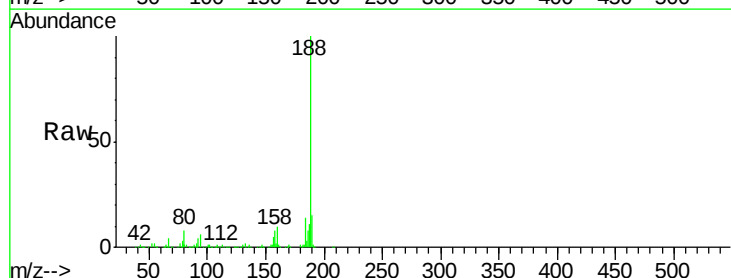


Abundance Ion 165.00 (164.70 to 165.70): E

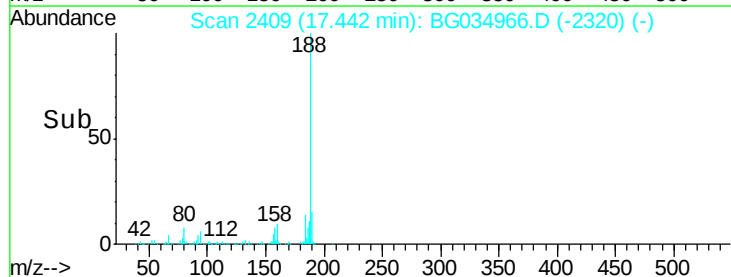
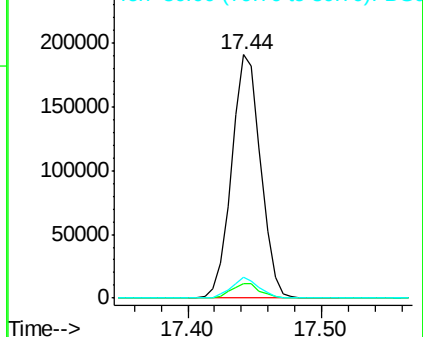


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

Tgt Ion:188 Resp: 288847
Ion Ratio Lower Upper
188 100
94 5.9 6.9 10.3#
80 8.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

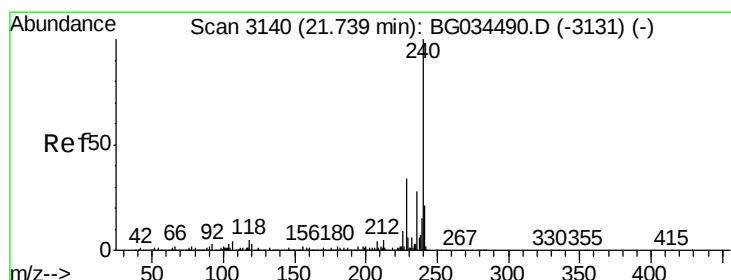
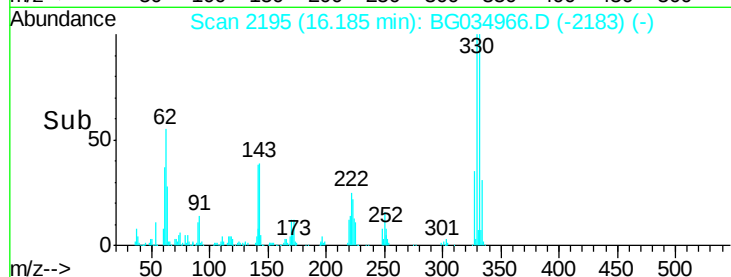
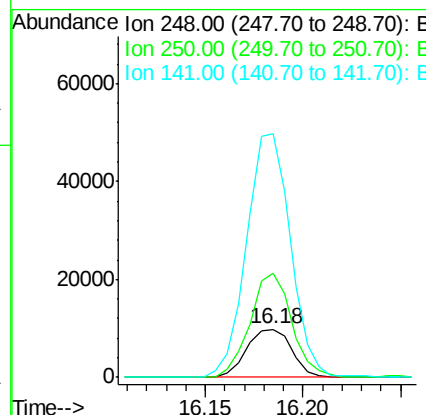
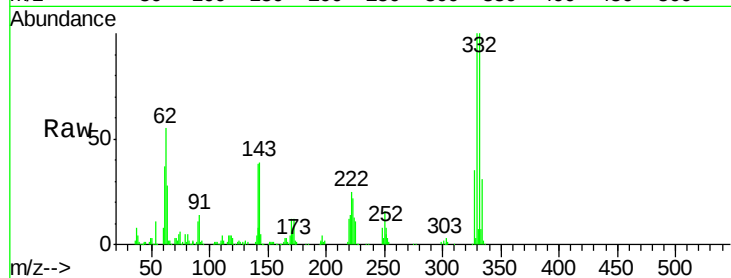




#66
4-Bromophenyl-phenylether
Concen: 4.54 ng
RT: 16.18 min Scan# 2195
Delta R.T. -0.46 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

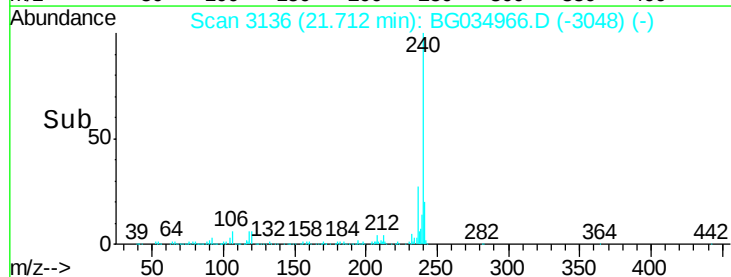
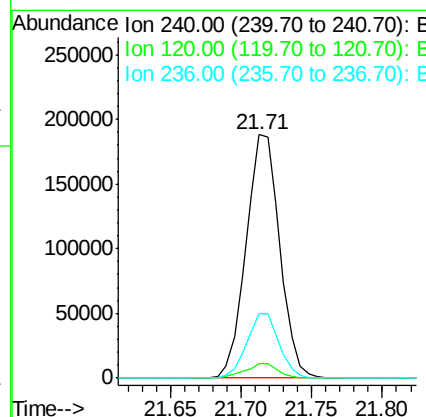
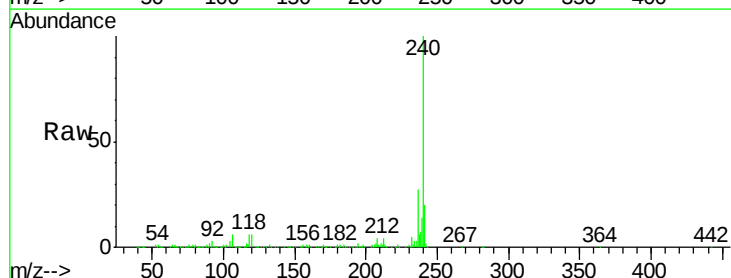
Instrument :
BNA_G
ClientSampleId :
PB109967BL

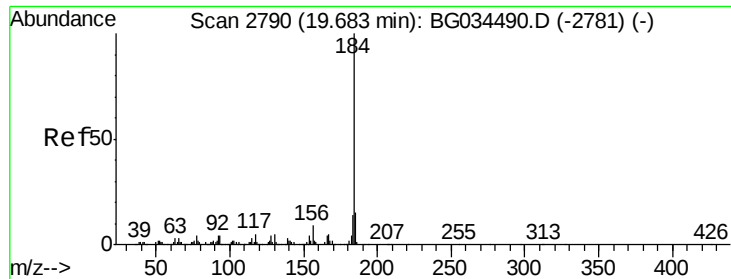
Tot Ion:248 Resp: 15779
Ion Ratio Lower Upper
248 100
250 214.9 77.1 115.7#
141 505.4 50.8 76.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.71 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BG034966.D
Acq: 7 Jun 2018 23:55

Tgt Ion:240 Resp: 314205
Ion Ratio Lower Upper
240 100
120 5.9 6.8 10.2#
236 26.5 20.9 31.3





#76

Benzidine

Concen: 2.03 ng

RT: 20.06 min Scan# 2854

Delta R.T. 0.38 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

Instrument :

BNA_G

ClientSampleId :

PB109967BL

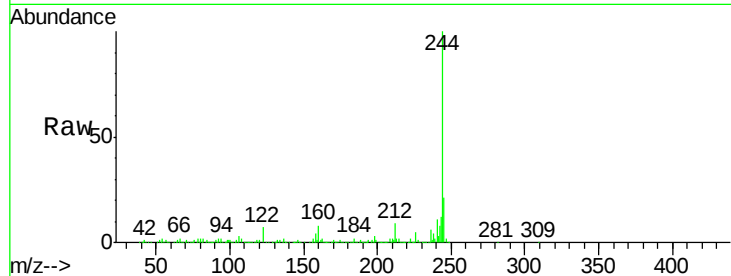
Tot Ion:184 Resp: 23676

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

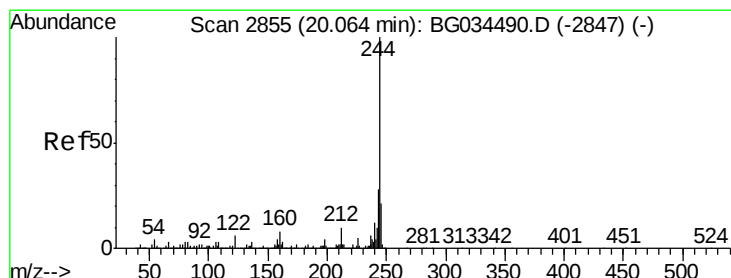
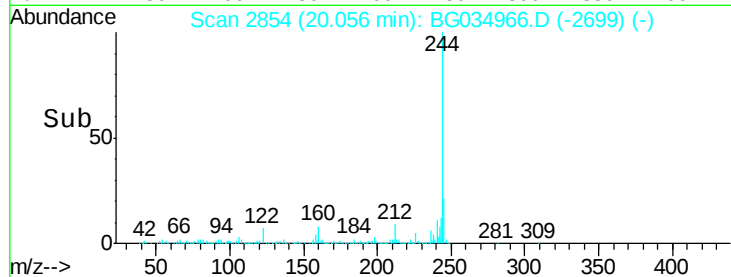
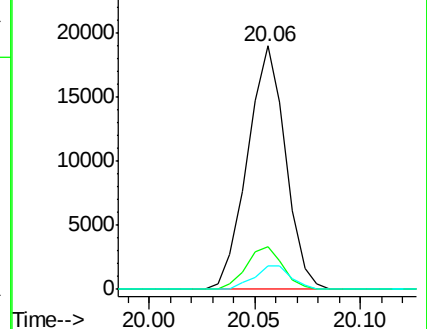
183 9.9 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 87.24 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034966.D

Acq: 7 Jun 2018 23:55

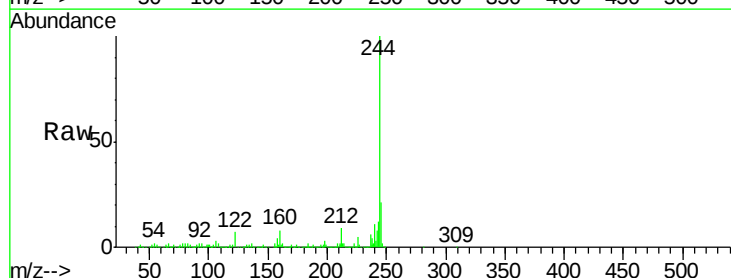
Tgt Ion:244 Resp: 1308591

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

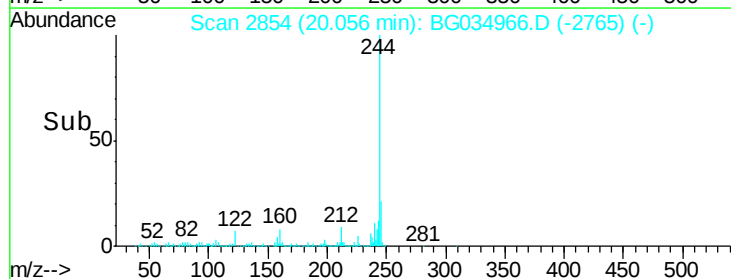
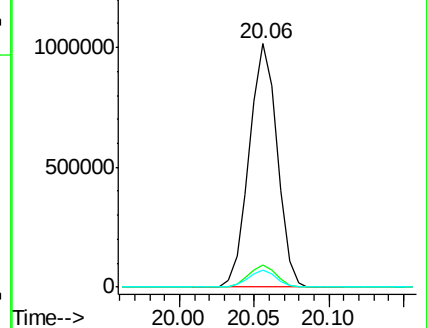
122 6.9 7.0 10.4#

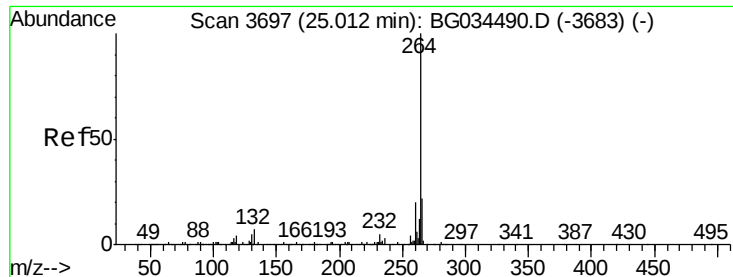


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

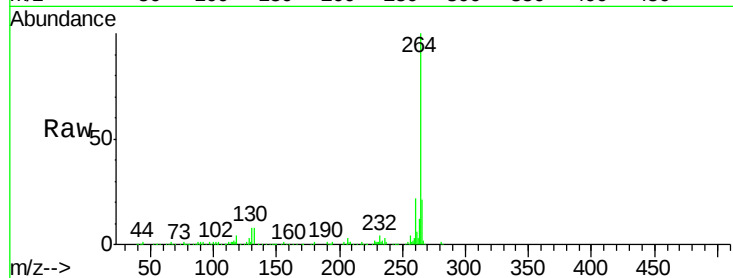




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.96 min Scan# 3688
 Delta R.T. -0.03 min
 Lab File: BG034966.D
 Acq: 7 Jun 2018 23:55

Instrument :
 BNA_G
 ClientSampleId :
 PB109967BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.5	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

