

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031736.D
 Acq On : 23 Dec 2017 7:02
 Operator : SJ/JU
 Sample : PB105282TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB105282TB

Quant Time: Dec 25 04:43:33 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

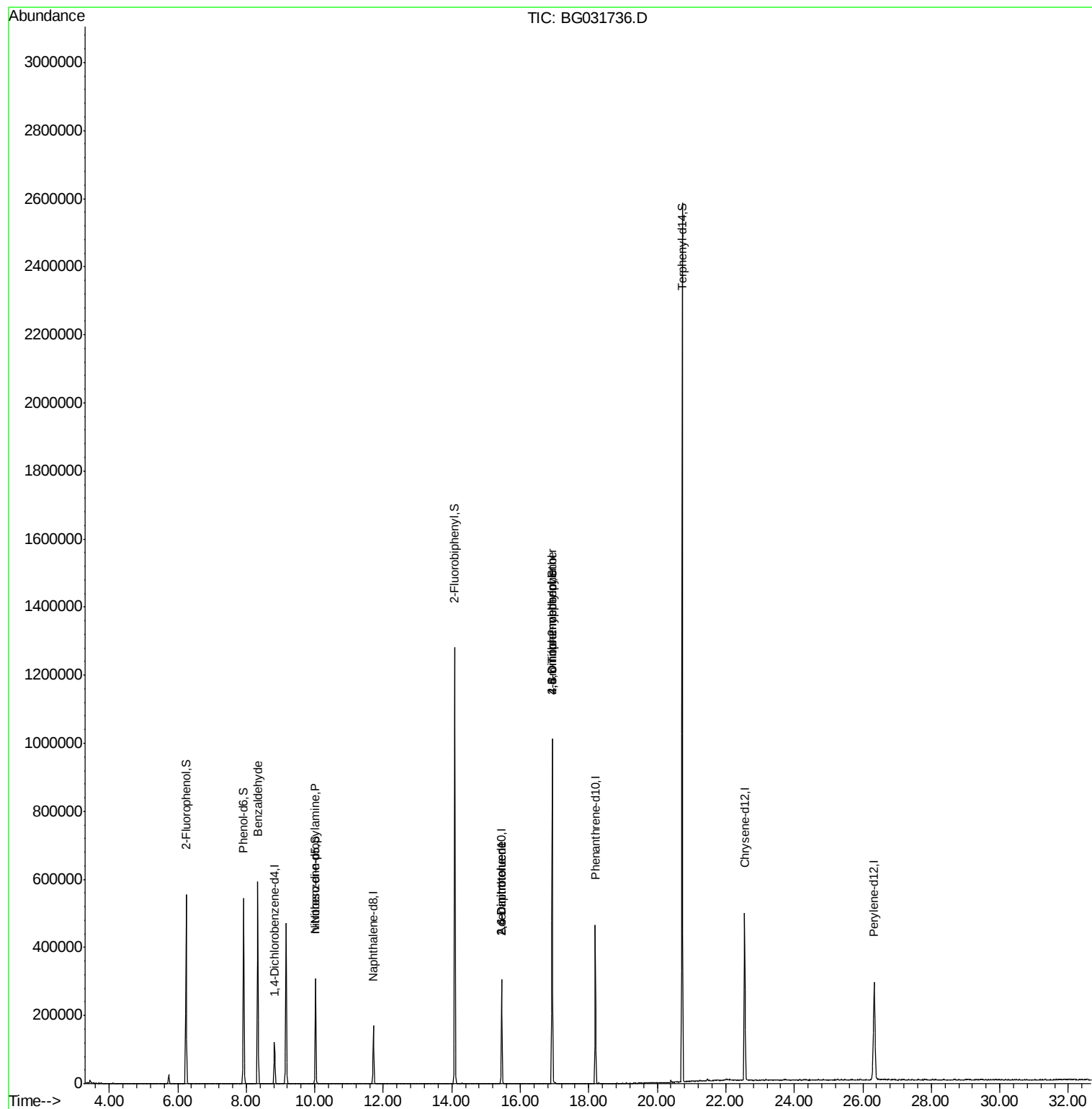
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.83	152	43879	20.00	ng	-0.01
21) Naphthalene-d8	11.71	136	174640	20.00	ng	-0.01
38) Acenaphthene-d10	15.45	164	119870	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	314125	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	375635	20.00	ng	-0.02
86) Perylene-d12	26.34	264	399798	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	306584	127.26	ng	0.00
7) Phenol-d6	7.92	99	379833	121.44	ng	0.00
23) Nitrobenzene-d5	10.02	82	198602	85.87	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	244669	133.77	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	763833	79.98	ng	-0.01
78) Terphenyl-d14	20.73	244	1412811	85.93	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.33	77	6799	3.610	ng	87
19) n-Nitroso-di-n-propylamine	10.02	70	25361	11.873	ng	# 70
50) 2,6-Dinitrotoluene	15.45	165	15527	7.993	ng	# 19
56) 2,4-Dinitrotoluene	15.45	165	15527	6.216	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	604	8.633	ng	# 45
66) 4-Bromophenyl-phenylether	16.93	248	18767	4.131	ng	# 1

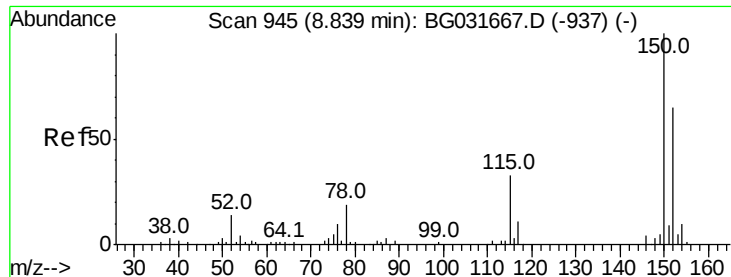
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.83 min Scan# 943

Delta R.T. -0.01 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

Instrument :

BNA_G

ClientSampleId :

PB105282TB

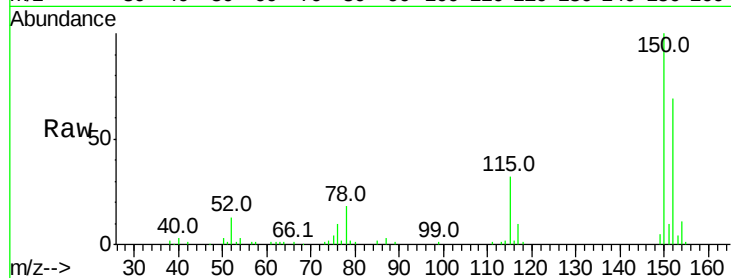
Tot Ion:152 Resp: 43879

Ion Ratio Lower Upper

152 100

150 145.8 126.6 189.8

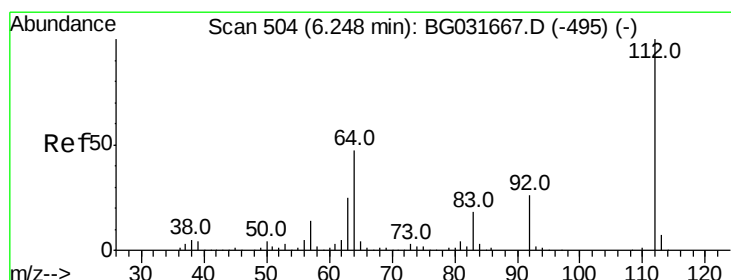
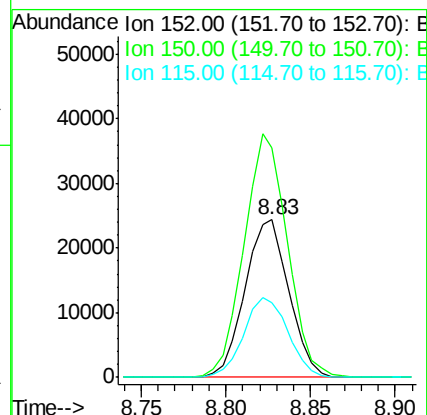
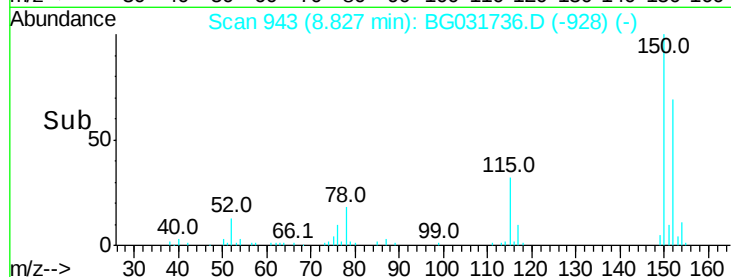
115 47.2 53.0 79.4#



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: 127.261 ng

RT: 6.24 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

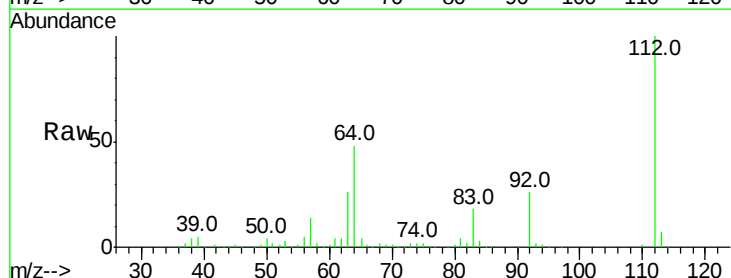
Tgt Ion:112 Resp: 306584

Ion Ratio Lower Upper

112 100

64 48.5 56.3 84.5#

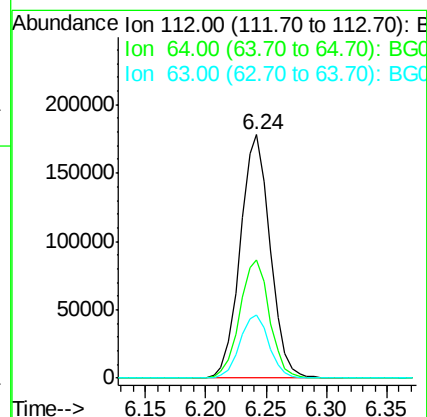
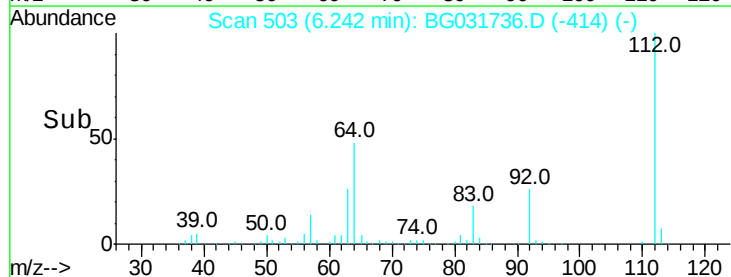
63 26.1 30.1 45.1#

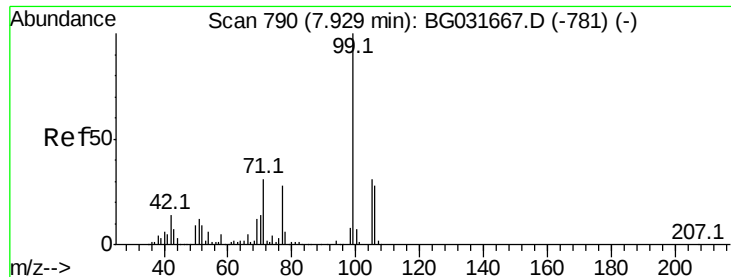


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 121.437 ng

RT: 7.92 min Scan# 789

Delta R.T. -0.01 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

Instrument :

BNA_G

ClientSampleId :

PB105282TB

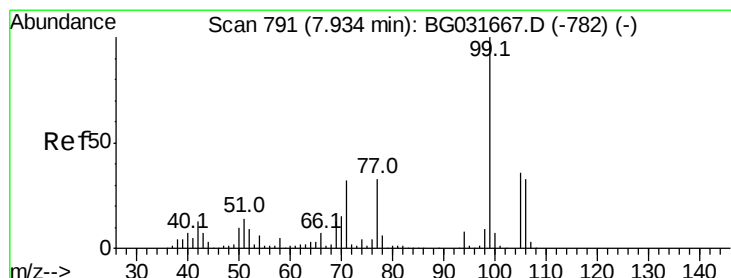
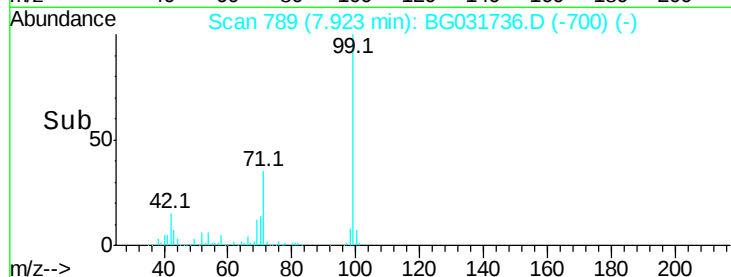
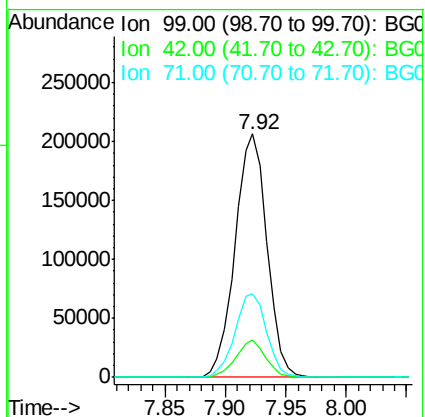
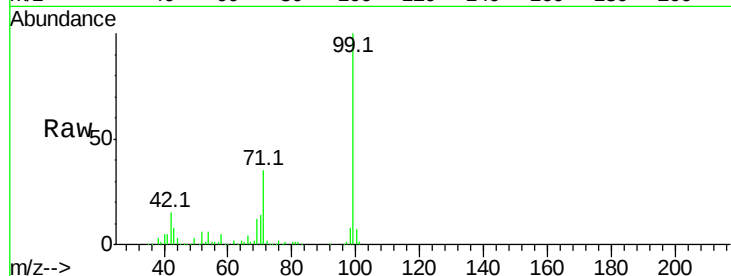
Tot Ion: 99 Resp: 379833

Ion Ratio Lower Upper

99 100

42 15.3 14.1 21.1

71 34.6 26.1 39.1



#9

Benzaldehyde

Concen: 3.610 ng

RT: 8.33 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

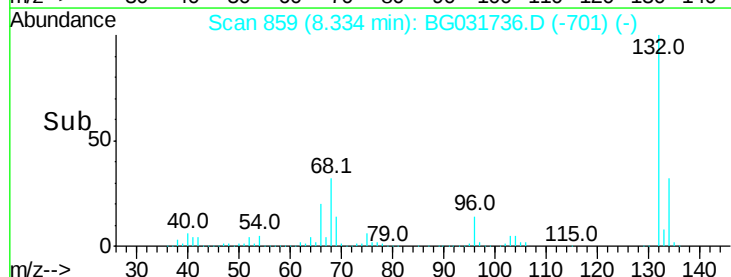
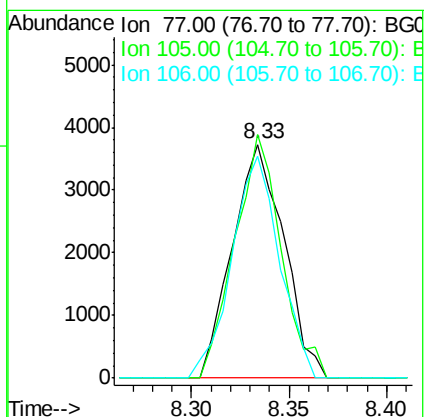
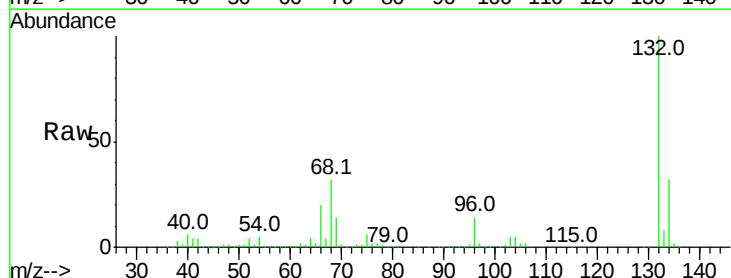
Tgt Ion: 77 Resp: 6799

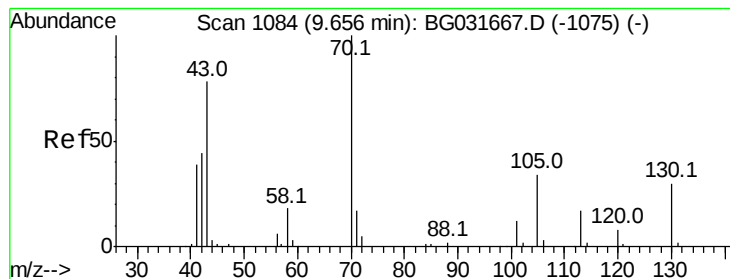
Ion Ratio Lower Upper

77 100

105 104.1 71.3 111.3

106 95.0 64.2 104.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.873 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.36 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

Instrument :

BNA_G

ClientSampleId :

PB105282TB

Tot Ion: 70 Resp: 25361

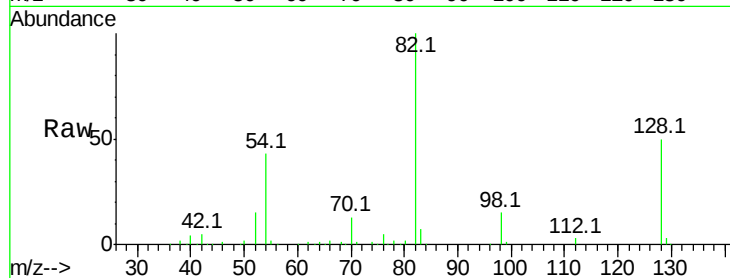
Ion Ratio Lower Upper

70 100

42 39.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

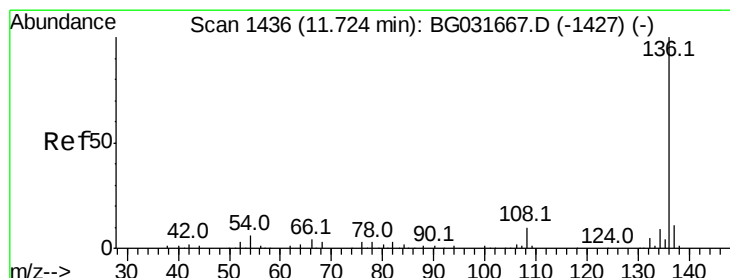
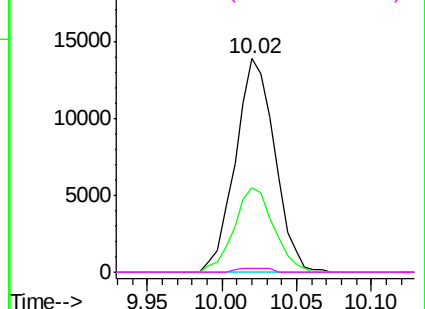
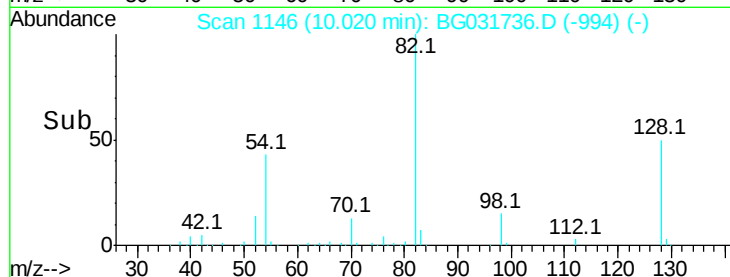


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

Tgt Ion: 136 Resp: 174640

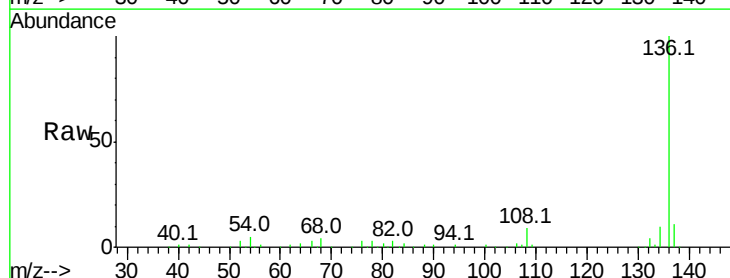
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 5.1 10.3 15.5#

68 4.0 4.5 6.7#

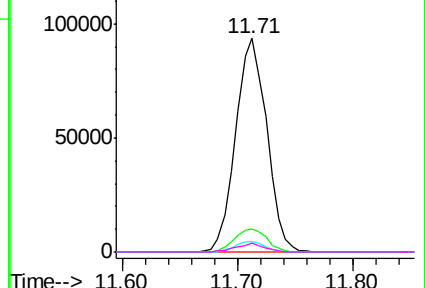
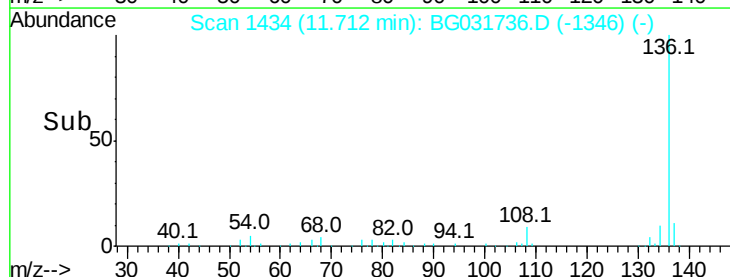


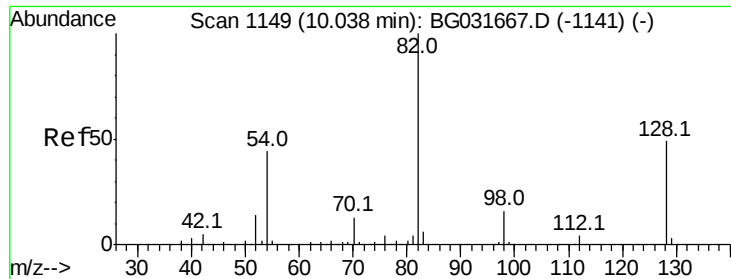
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

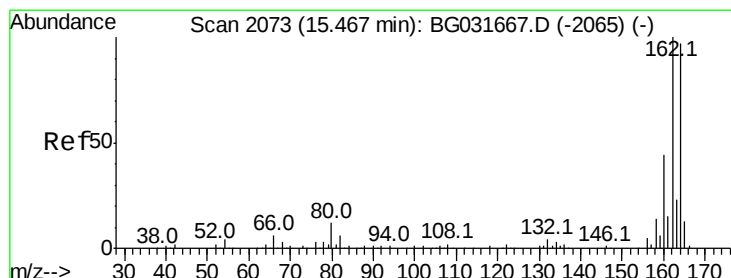
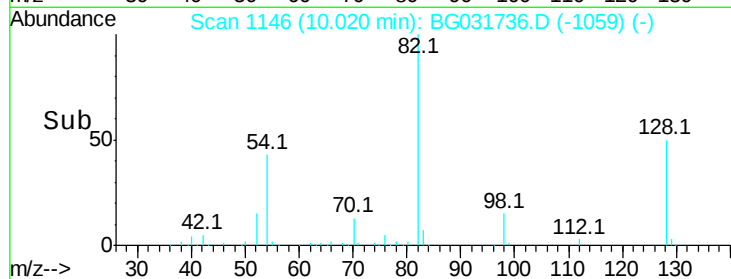
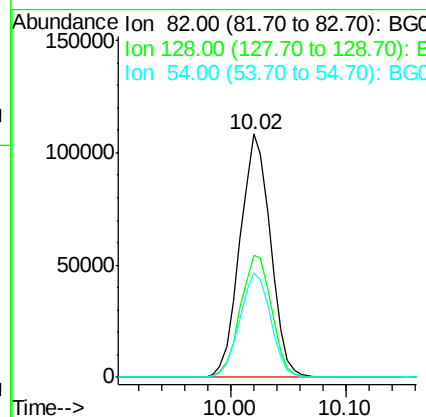
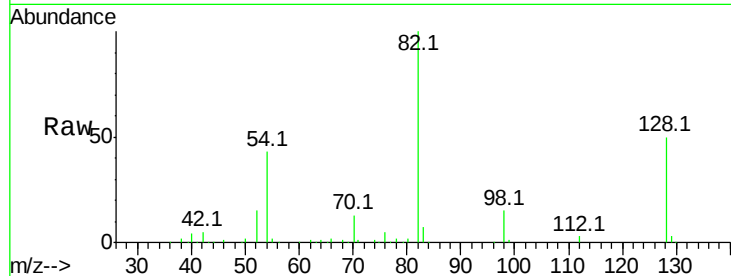




#23
 Nitrobenzene-d5
 Concen: 85.873 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BG031736.D
 Acq: 23 Dec 2017 7:02

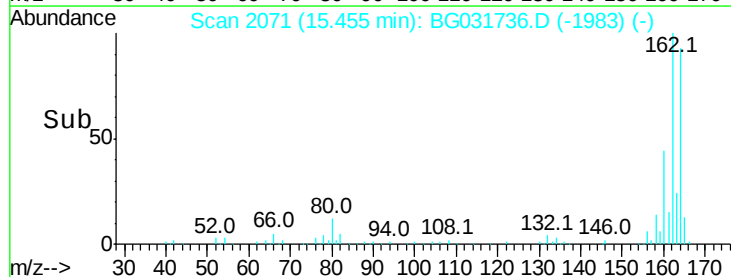
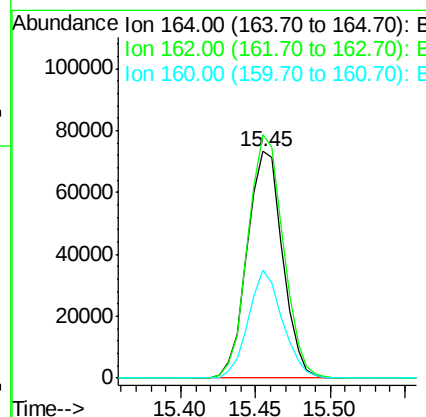
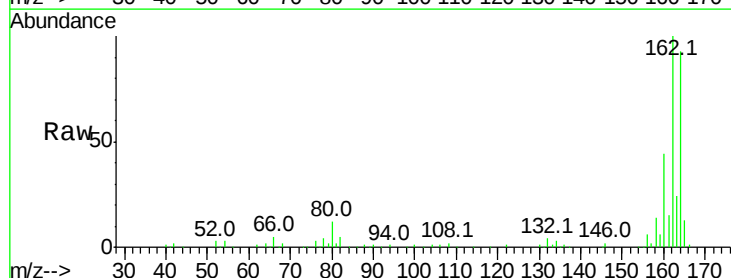
Instrument :
 BNA_G
 ClientSampleId :
 PB105282TB

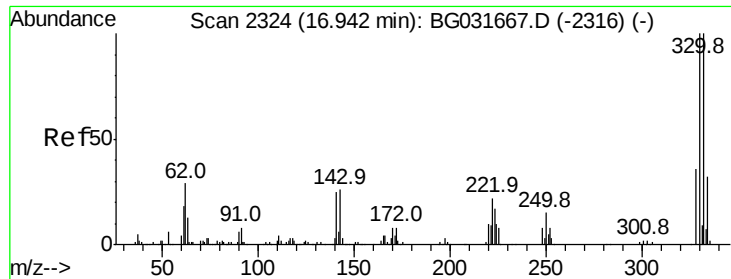
Tot Ion	82	Resp	198602
Ion Ratio	100		
Lower	29.7		
Upper	44.5#		
54	42.7	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031736.D
 Acq: 23 Dec 2017 7:02

Tgt Ion	164	Resp	119870
Ion Ratio	100		
Lower	78.8		
Upper	118.2		
162	107.5	35.4	53.0
160	47.6		

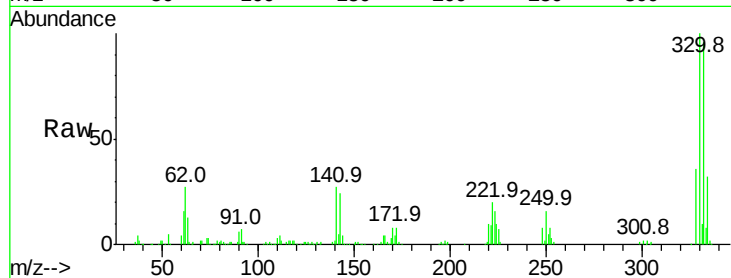




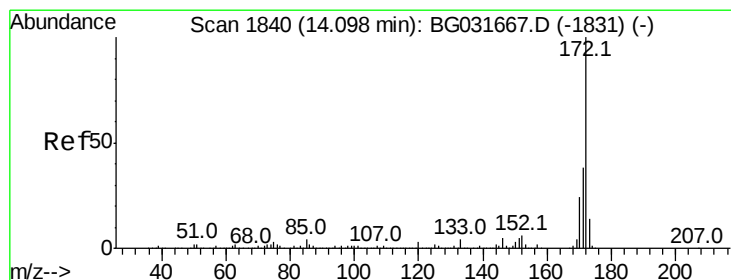
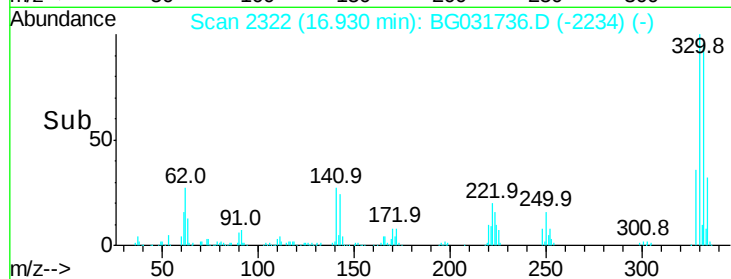
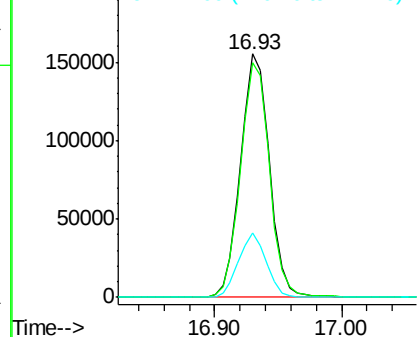
#41
 2,4,6-Tribromophenol
 Concen: 133.768 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031736.D
 Acq: 23 Dec 2017 7:02

Instrument :
 BNA_G
 ClientSampleId :
 PB105282TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	25.4	25.2	37.8

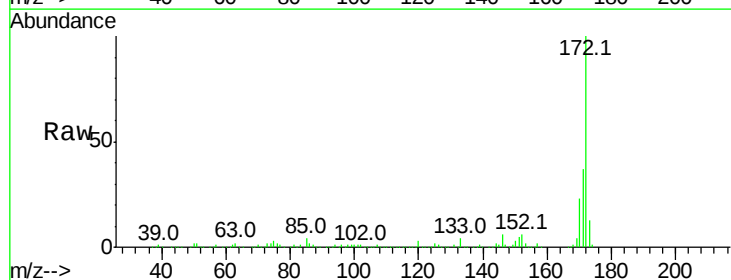


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

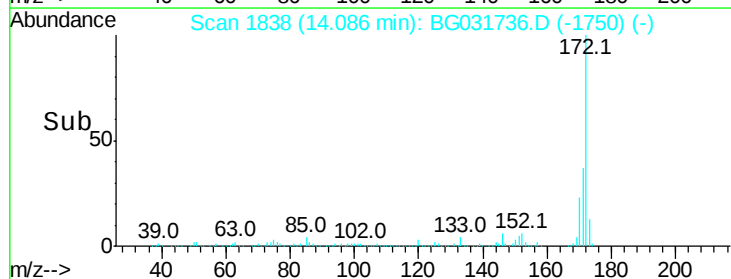
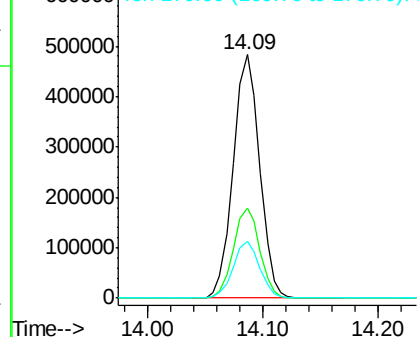


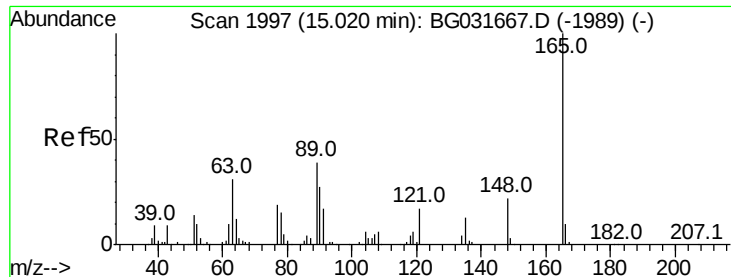
#44
 2-Fluorobiphenyl
 Concen: 79.979 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031736.D
 Acq: 23 Dec 2017 7:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	23.2	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

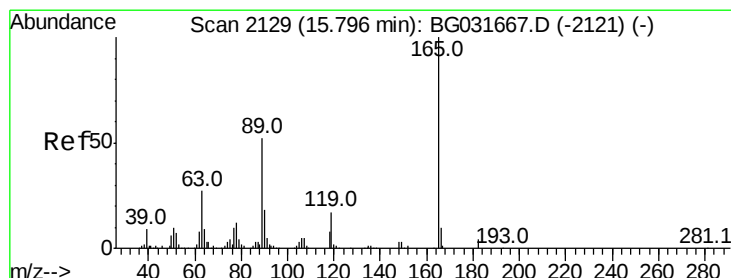
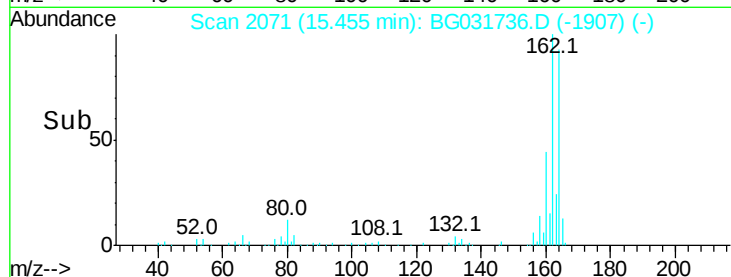
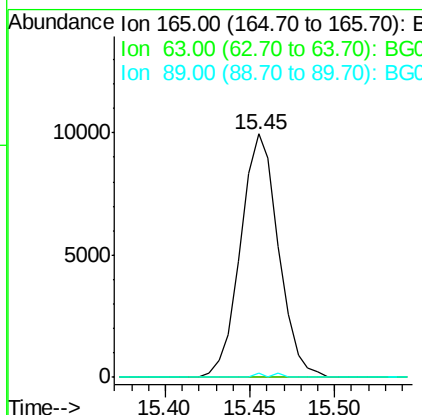
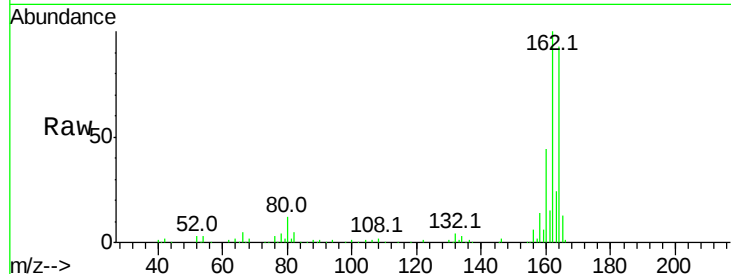




#50
 2,6-Dinitrotoluene
 Concen: 7.993 ng
 RT: 15.45 min Scan# 2071
 Delta R.T. 0.43 min
 Lab File: BG031736.D
 Acq: 23 Dec 2017 7:02

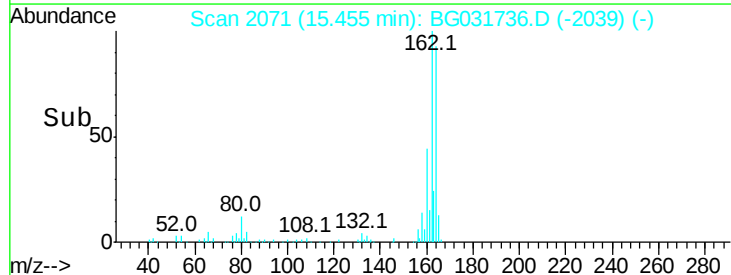
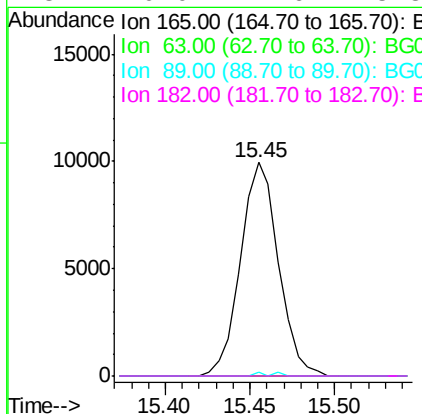
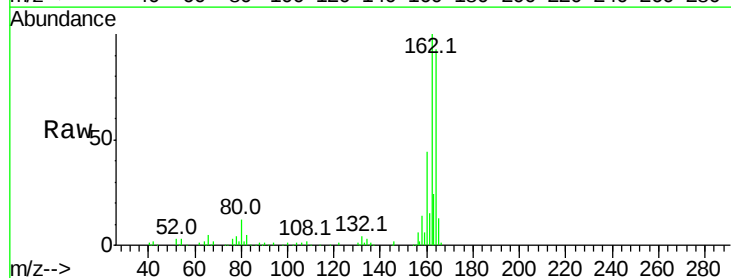
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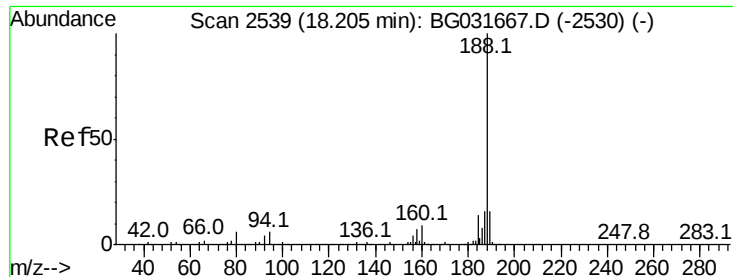
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.216 ng
 RT: 15.45 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031736.D
 Acq: 23 Dec 2017 7:02

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

Instrument :

BNA_G

ClientSampleId :

PB105282TB

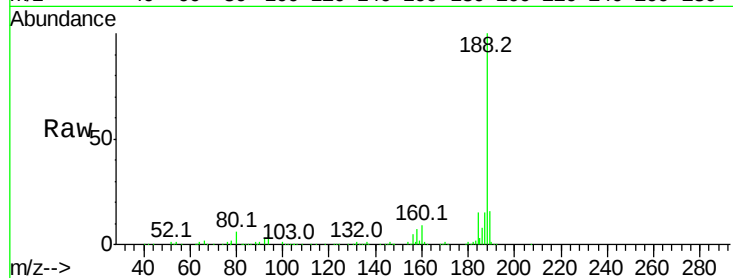
Tot Ion:188 Resp: 314125

Ion Ratio Lower Upper

188 100

94 5.2 6.9 10.3#

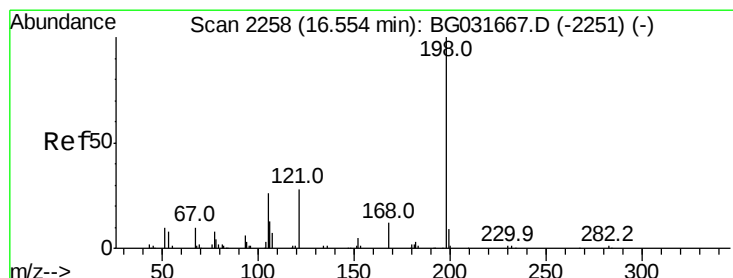
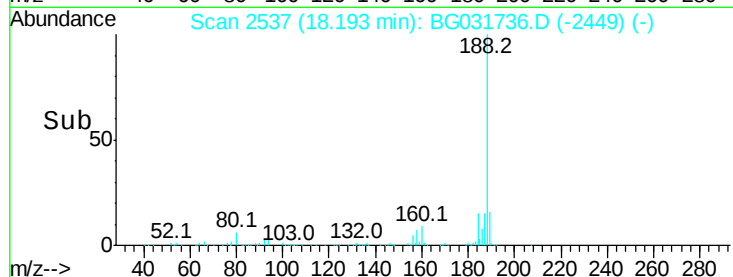
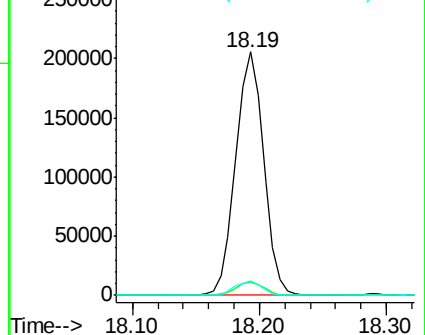
80 6.1 7.7 11.5#



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: 8.633 ng

RT: 16.93 min Scan# 2322

Delta R.T. 0.38 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

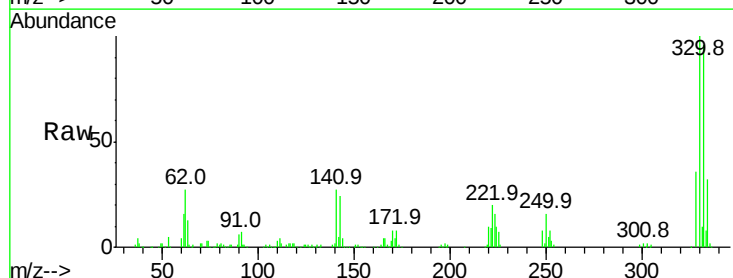
Tgt Ion:198 Resp: 604

Ion Ratio Lower Upper

198 100

51 90.9 30.6 70.6#

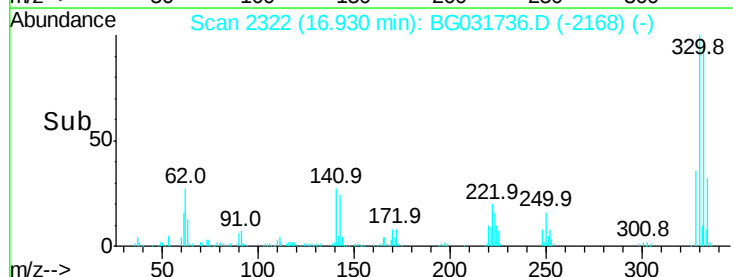
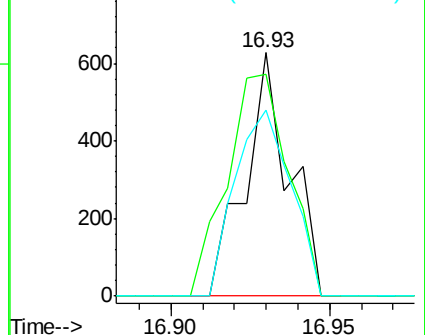
105 76.4 23.8 63.8#

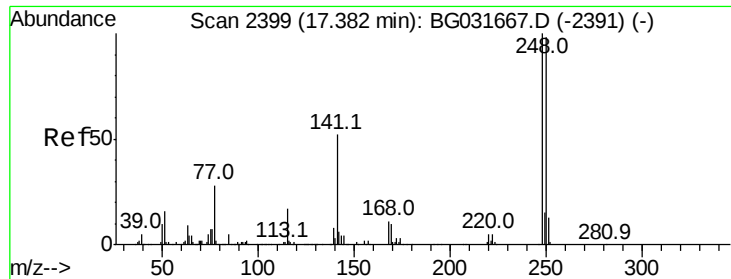


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

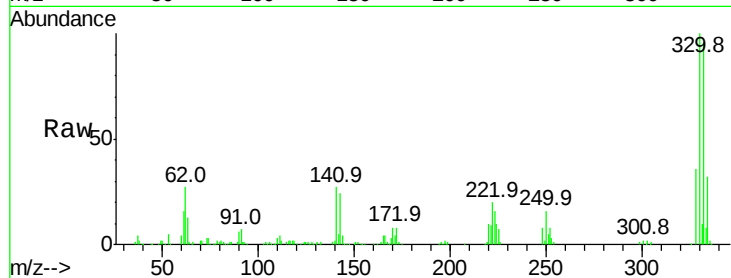




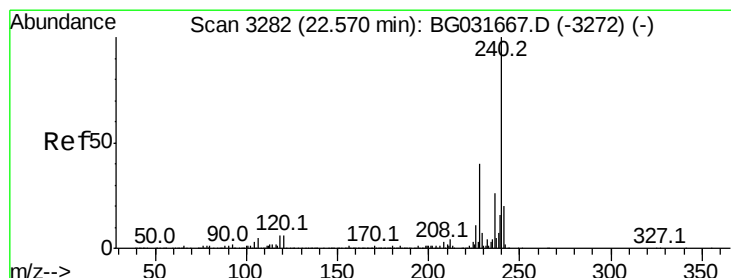
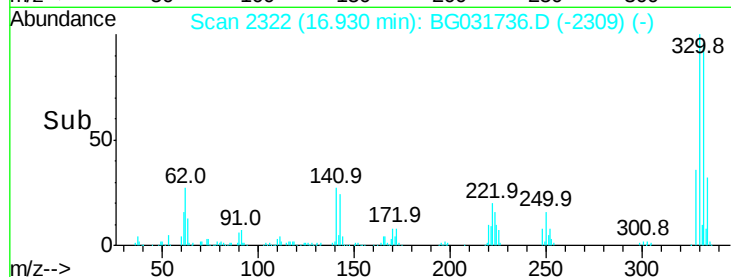
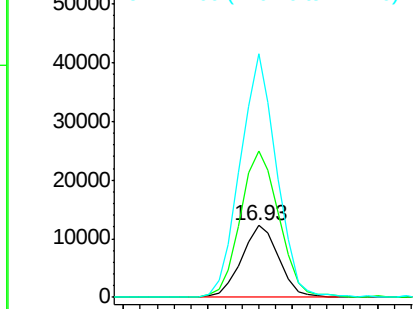
#66
4-Bromophenyl-phenylether
Concen: 4.131 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031736.D
Acq: 23 Dec 2017 7:02

Instrument :
BNA_G
ClientSampleID :
PB105282TB

Tot Ion:248 Resp: 18767
Ion Ratio Lower Upper
248 100
250 204.9 77.1 115.7#
141 340.4 50.8 76.2#

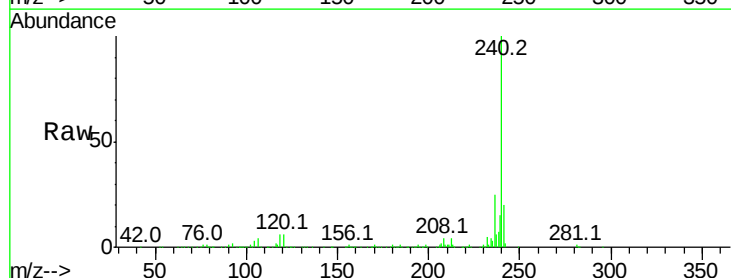


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

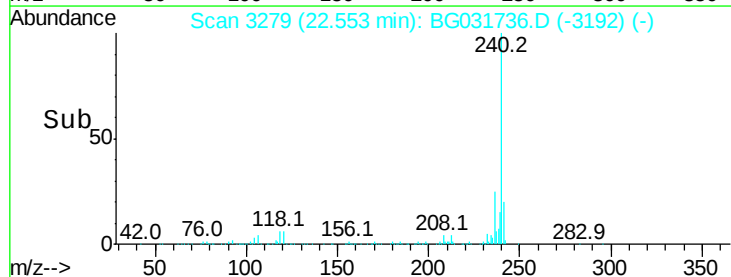
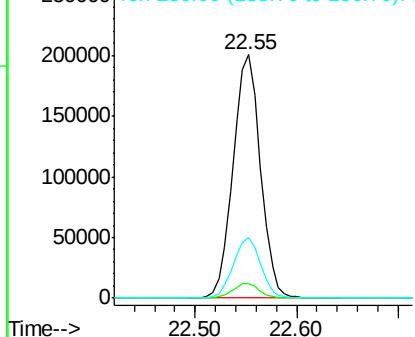


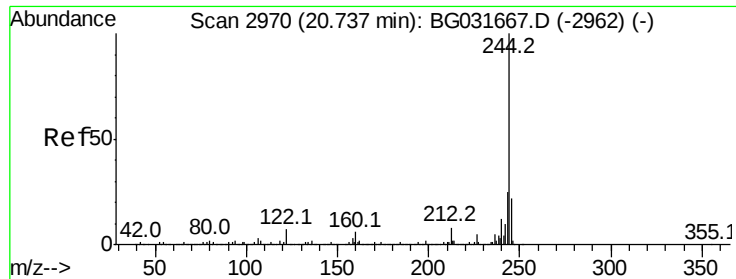
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BG031736.D
Acq: 23 Dec 2017 7:02

Tgt Ion:240 Resp: 375635
Ion Ratio Lower Upper
240 100
120 5.9 6.8 10.2#
236 25.0 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: 85.929 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

Instrument :

BNA_G

ClientSampleId :

PB105282TB

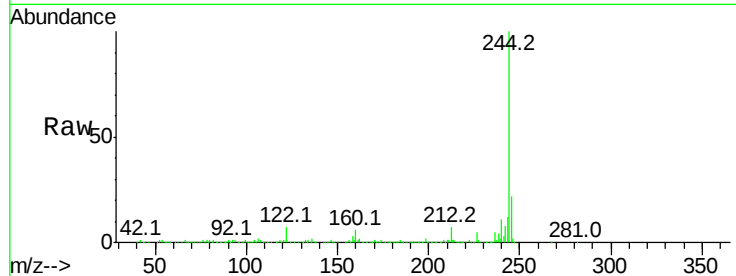
Tot Ion:244 Resp: 1412811

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

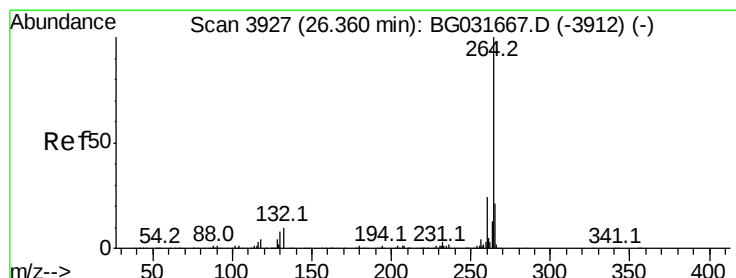
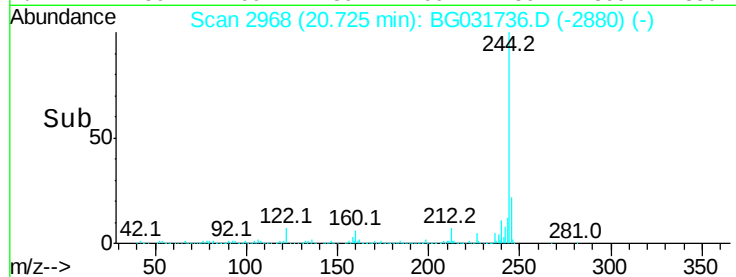
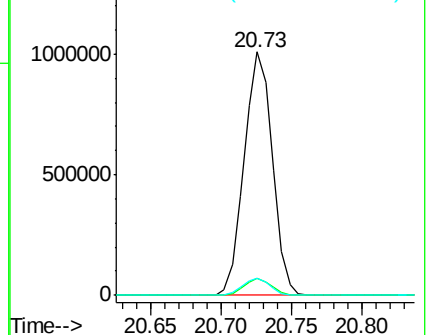
122 6.8 7.0 10.4#



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: 26.34 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BG031736.D

Acq: 23 Dec 2017 7:02

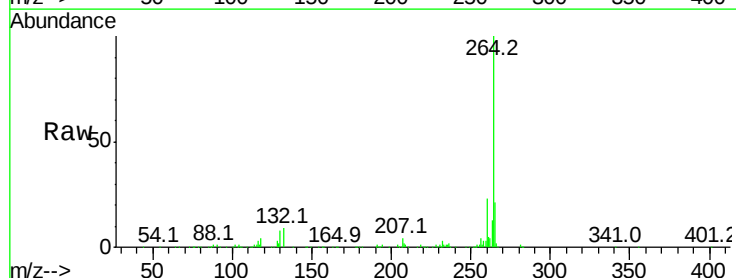
Tgt Ion:264 Resp: 399798

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 21.5 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

