

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080718\
 Data File : BG036174.D
 Acq On : 7 Aug 2018 22:59
 Operator : JU/SJ
 Sample : J4303-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 08 01:05:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

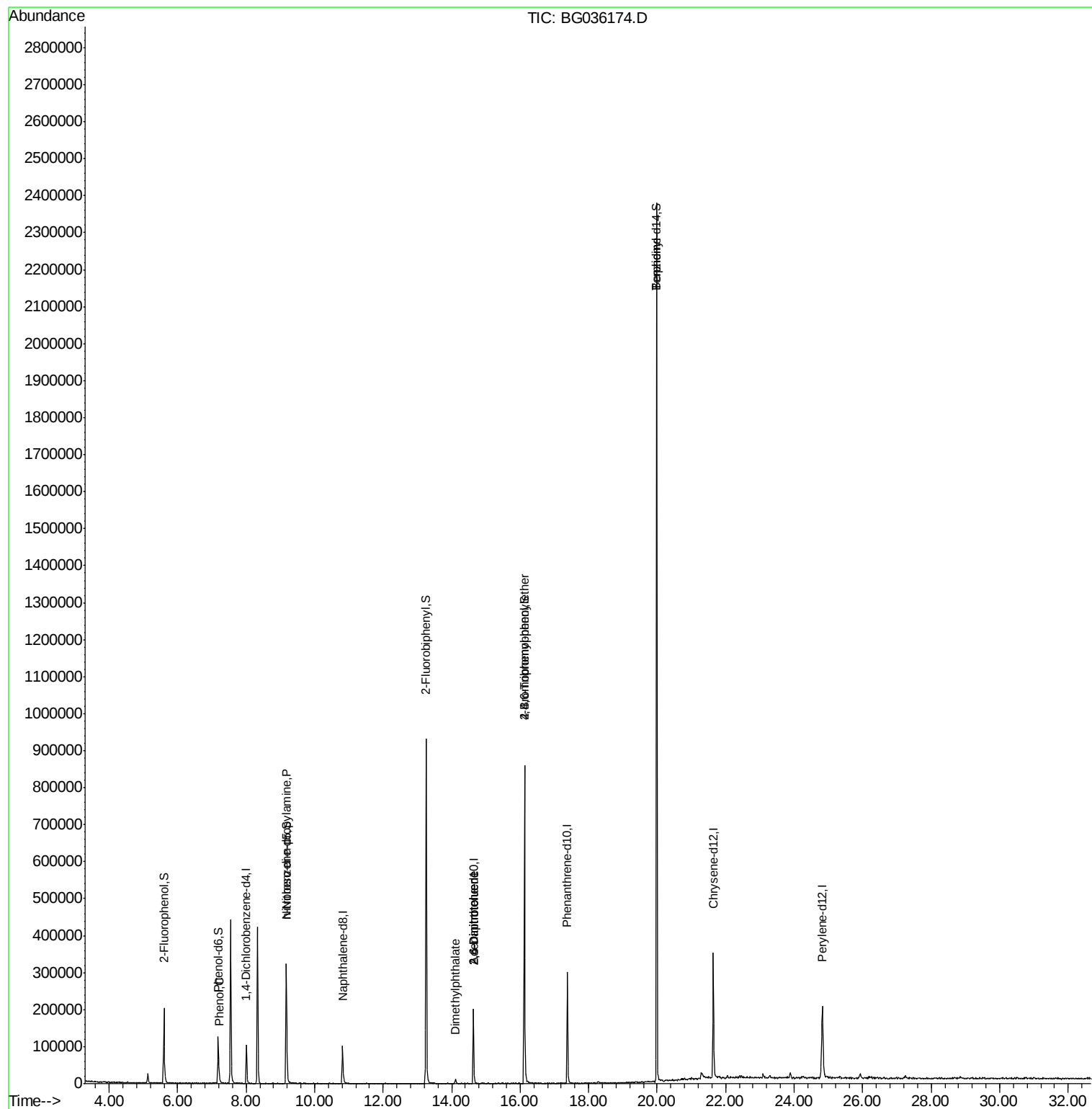
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	30876	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	104397	20.00	ng	-0.02
38) Acenaphthene-d10	14.63	164	76973	20.00	ng	-0.02
63) Phenanthrene-d10	17.38	188	215980	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	239206	20.00	ng	-0.02
86) Perylene-d12	24.82	264	229565	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	103869	55.85	ng	-0.01
7) Phenol-d6	7.18	99	87820	31.65	ng	-0.02
23) Nitrobenzene-d5	9.17	82	243823	97.57	ng	-0.02
41) 2,4,6-Tribromophenol	16.13	330	172295	169.82	ng	-0.02
44) 2-Fluorobiphenyl	13.25	172	542876	94.49	ng	-0.02
78) Terphenyl-d14	19.98	244	1156503	106.57	ng	-0.02
Target Compounds						
10) Phenol	7.21	94	6058	2.161	ng	# 67
19) n-Nitroso-di-n-propylamine	9.17	70	33371	14.282	ng	# 67
49) Dimethylphthalate	14.10	163	13997	2.075	ng	# 98
50) 2,6-Dinitrotoluene	14.63	165	10503	7.648	ng	# 20
56) 2,4-Dinitrotoluene	14.63	165	10503	5.331	ng	# 18
66) 4-Bromophenyl-phenylether	16.12	248	13724	5.477	ng	# 1
76) Benizidine	19.98	184	20059	3.190	ng	# 91

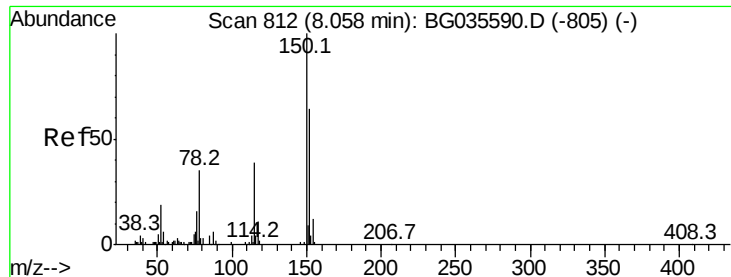
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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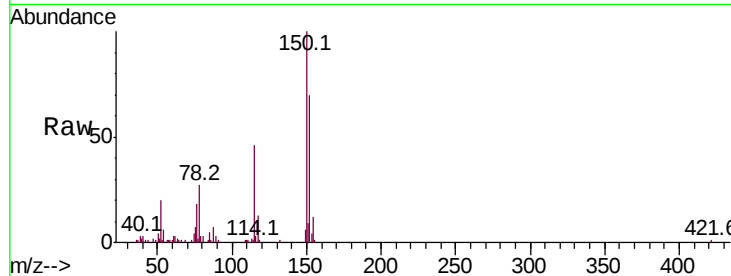


#1

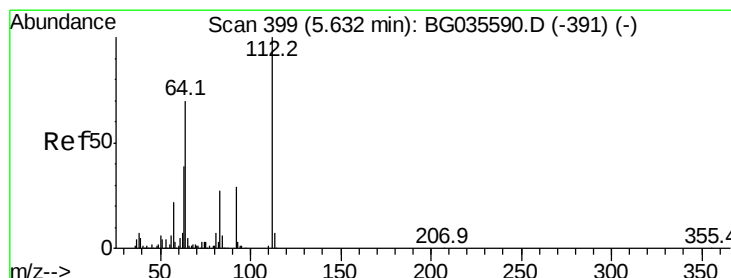
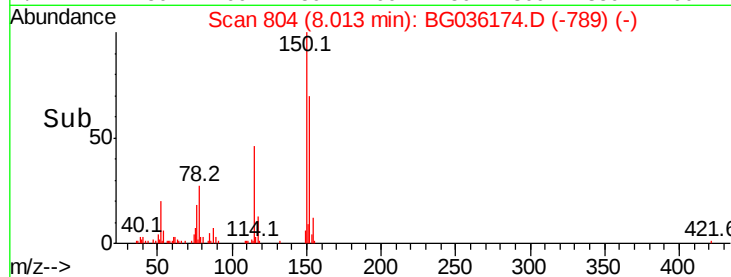
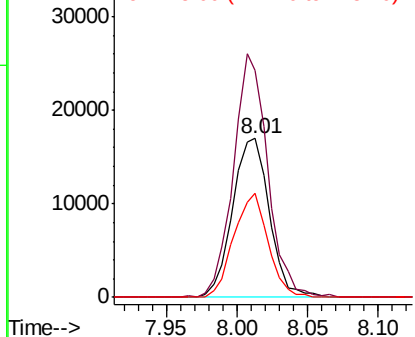
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 804
Delta R.T. -0.01 min
Lab File: BG036174.D
Acq: 7 Aug 2018 22:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30876
Ion Ratio Lower Upper
152 100
150 143.2 126.6 189.8
115 65.5 53.0 79.4



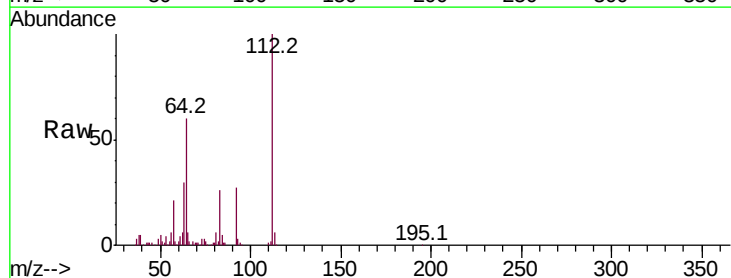
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



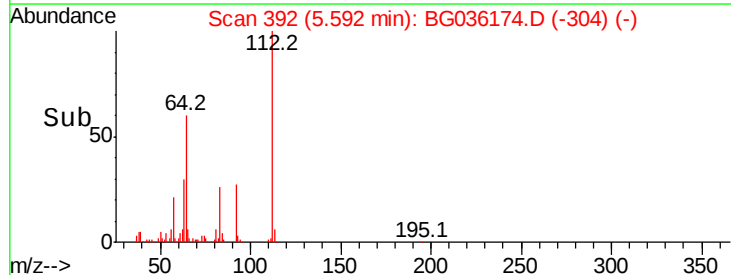
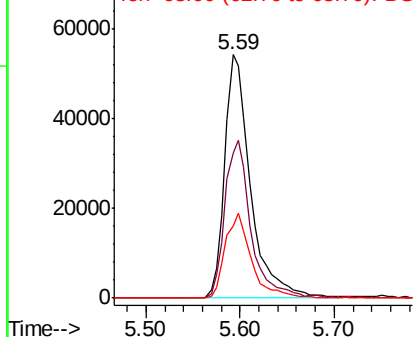
#5

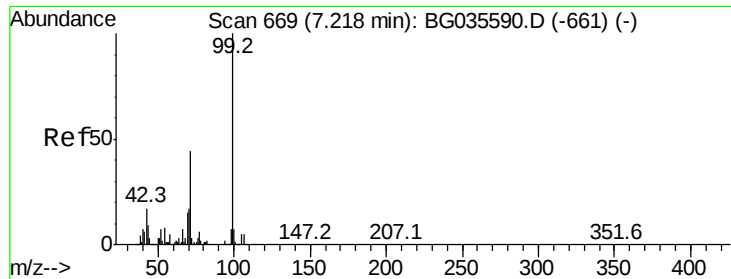
2-Fluorophenol
Concen: 55.851 ng
RT: 5.59 min Scan# 392
Delta R.T. -0.01 min
Lab File: BG036174.D
Acq: 7 Aug 2018 22:59

Tgt Ion:112 Resp: 103869
Ion Ratio Lower Upper
112 100
64 59.8 56.3 84.5
63 29.5 30.1 45.1#



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





#7

Phenol-d6

Concen: 31.650 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.02 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

Instrument :

BNA_G

ClientSampled :

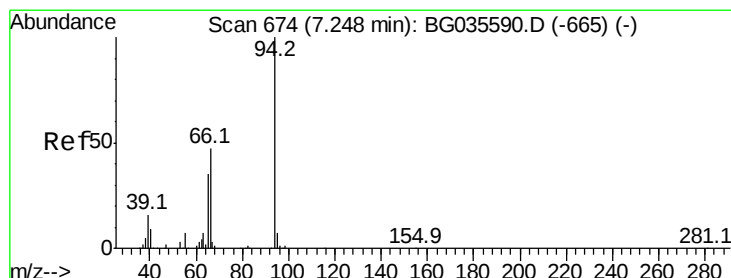
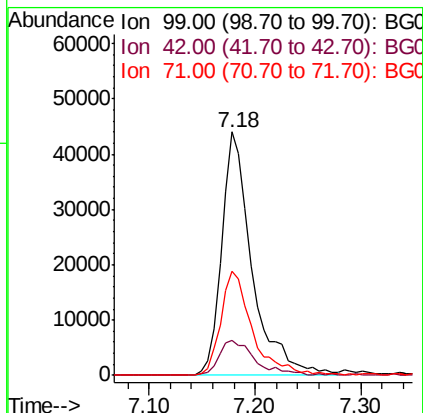
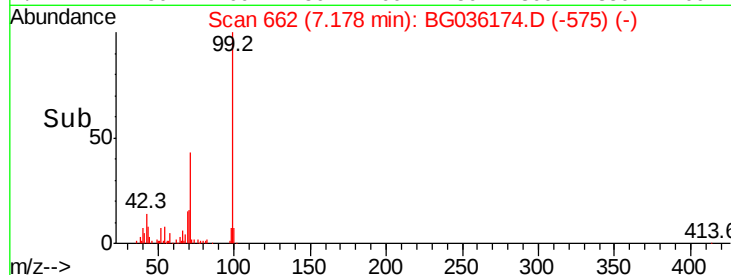
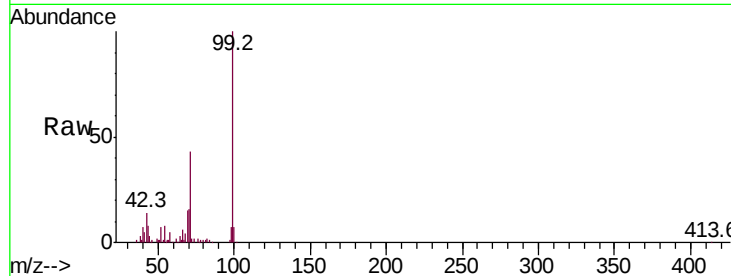
Tot Ion: 99 Resp: 87820

Ion Ratio Lower Upper

99 100

42 14.4 14.1 21.1

71 42.7 26.1 39.1#



#10

Phenol

Concen: 2.161 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

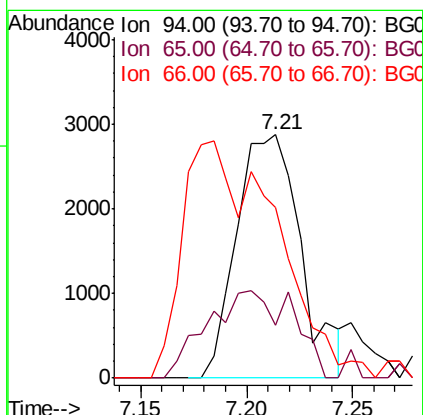
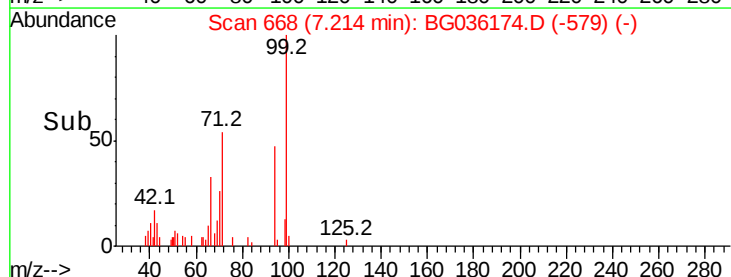
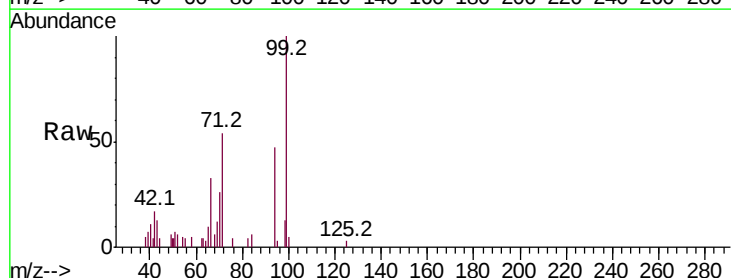
Tgt Ion: 94 Resp: 6058

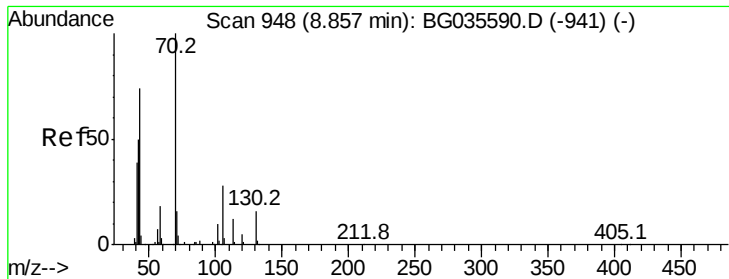
Ion Ratio Lower Upper

94 100

65 22.0 11.9 51.9

66 70.0 22.2 62.2#





#19

n-Nitroso-di-n-propylamine

Concen: 14.282 ng

RT: 9.17 min Scan# 1001

Delta R.T. 0.34 min

Lab File: BG036174.D

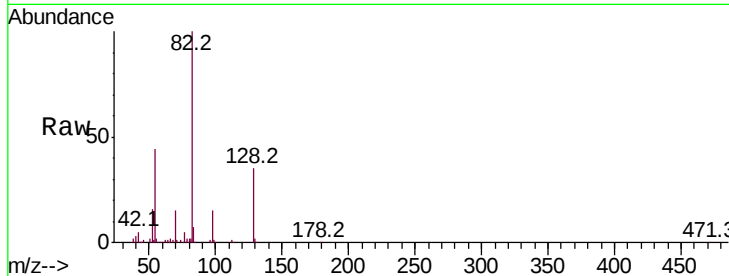
Acq: 7 Aug 2018 22:59

Instrument :

BNA_G

ClientSampled :

Tot Ion:	70	Resp:	33371
Ion	Ratio	Lower	Upper
70	100		
42	36.1	49.1	73.7#
101	0.0	8.5	12.7#
130	1.9	13.4	20.0#



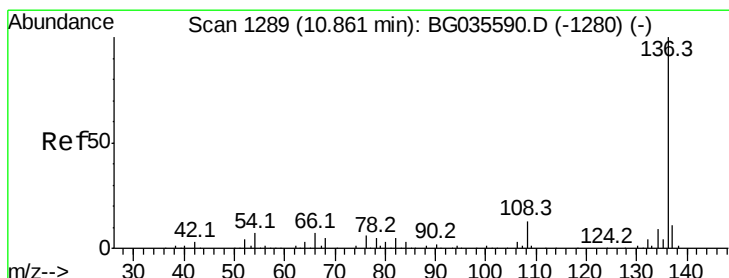
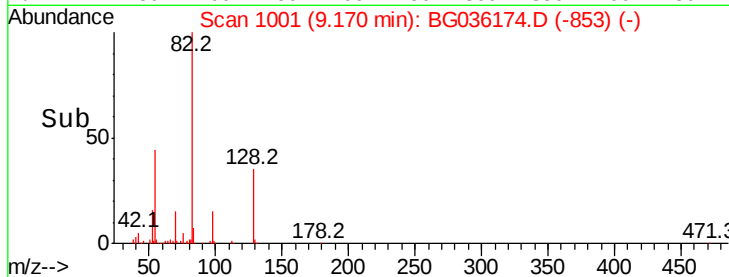
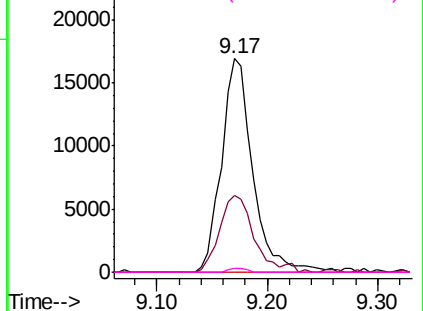
Abundance

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: 20.000 ng

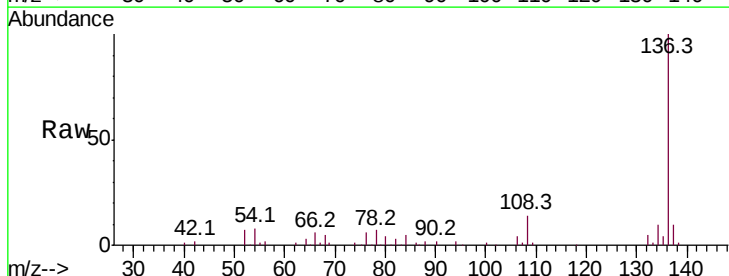
RT: 10.81 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

Tgt Ion:	136	Resp:	104397
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	8.2	10.3	15.5#
68	4.6	4.5	6.7



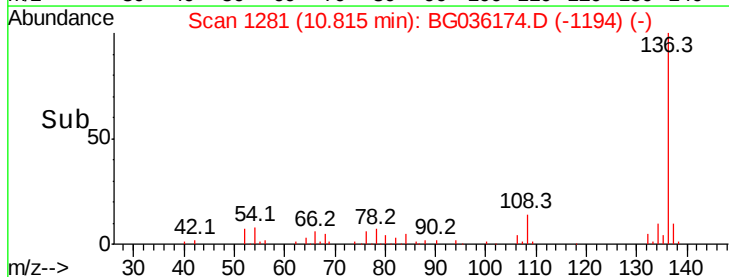
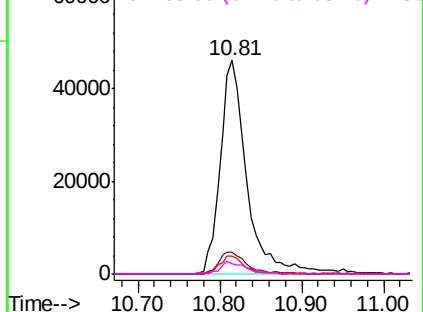
Abundance

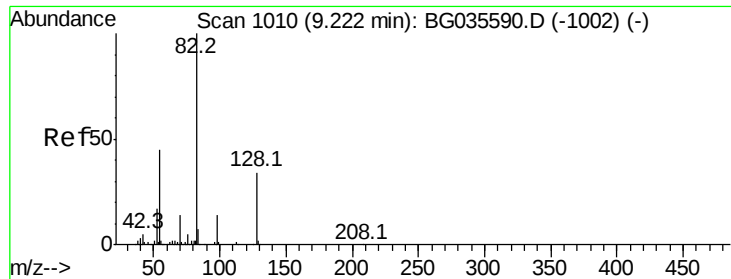
Ion 136.00 (135.70 to 136.70): BGC

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

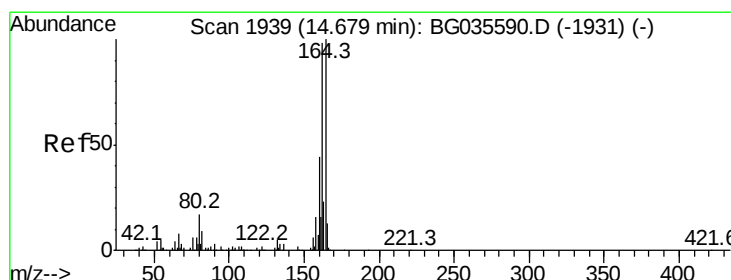
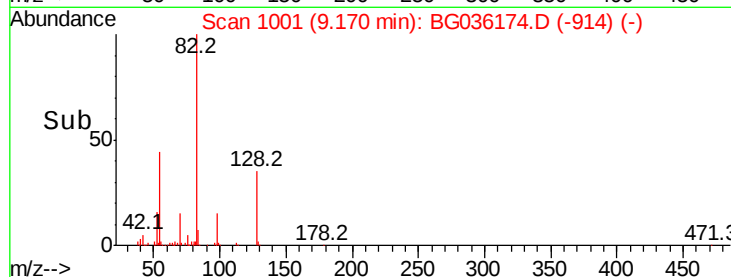
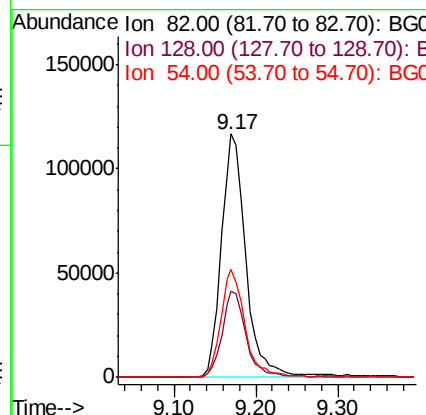
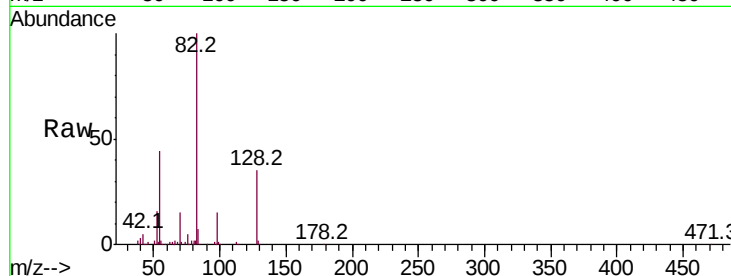




#23
 Nitrobenzene-d5
 Concen: 97.566 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BG036174.D
 Acq: 7 Aug 2018 22:59

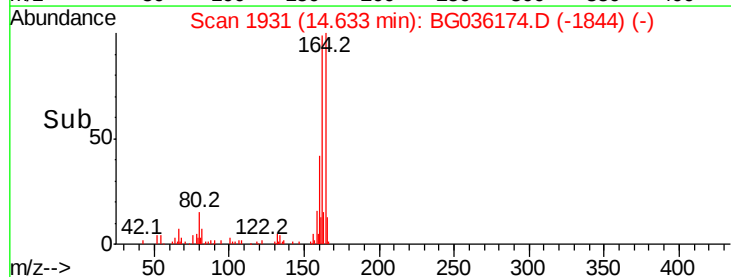
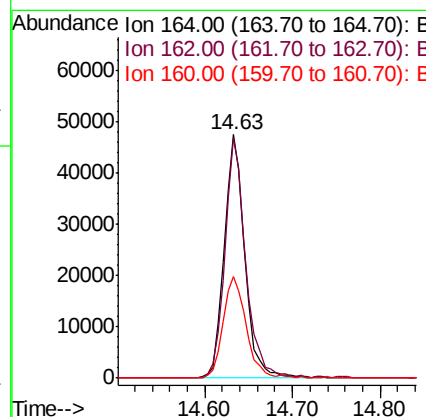
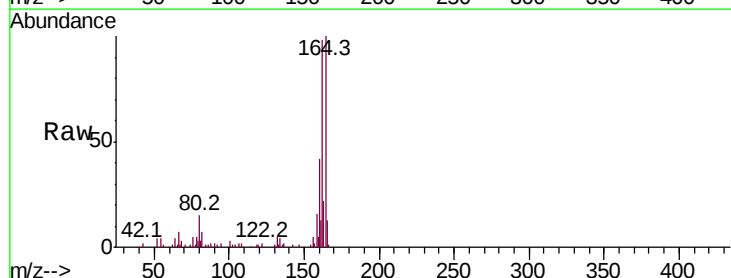
Instrument :
 BNA_G
 ClientSampleId :

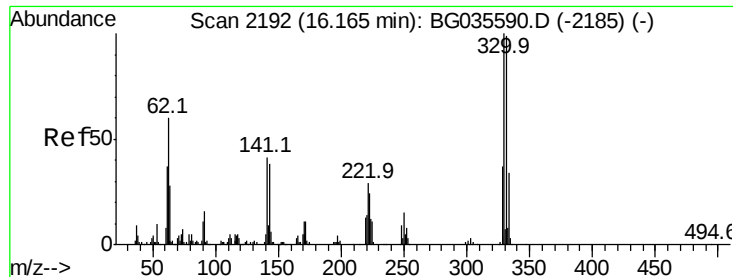
Tot Ion	82	Resp	243823
Ion Ratio	Lower	Upper	
82	100		
128	35.3	29.7	44.5
54	44.2	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.63 min Scan# 1931
 Delta R.T. -0.02 min
 Lab File: BG036174.D
 Acq: 7 Aug 2018 22:59

Tgt Ion	164	Resp	76973
Ion Ratio	Lower	Upper	
164	100		
162	98.3	78.8	118.2
160	41.7	35.4	53.0

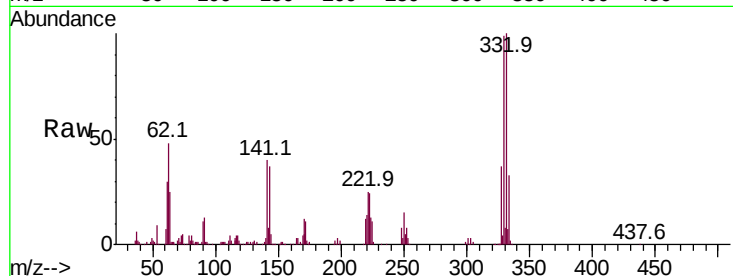




#41
 2,4,6-Tribromophenol
 Concen: 169.823 ng
 RT: 16.13 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036174.D
 Acq: 7 Aug 2018 22:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	39.4	25.2	37.8#

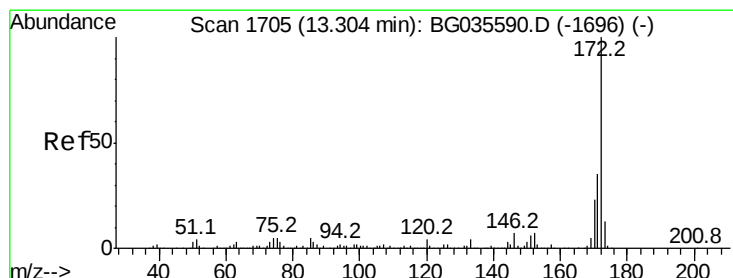
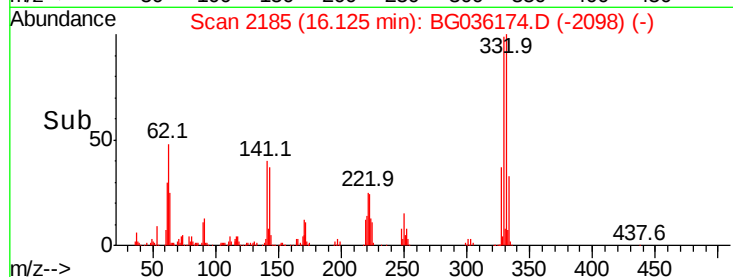
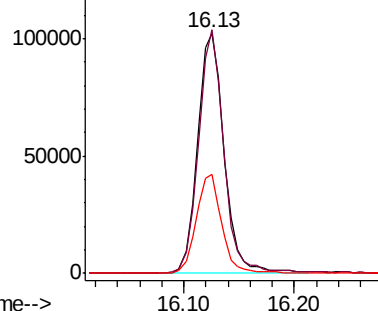


Abundance

Ion 329.80 (329.50 to 330.50): E

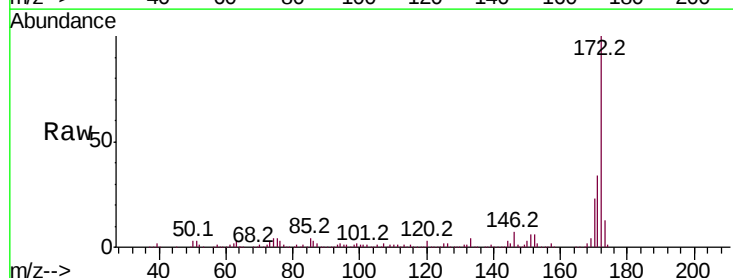
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 94.489 ng
 RT: 13.25 min Scan# 1696
 Delta R.T. -0.02 min
 Lab File: BG036174.D
 Acq: 7 Aug 2018 22:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	30.0	45.0
170	23.4	19.5	29.3

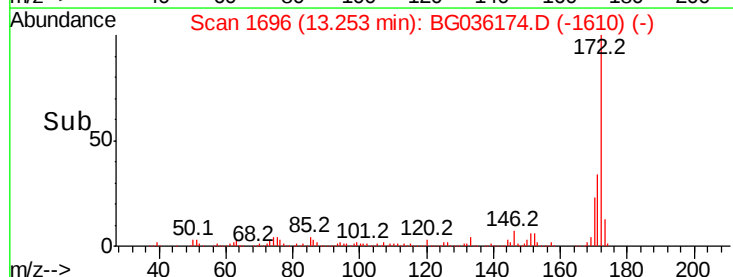
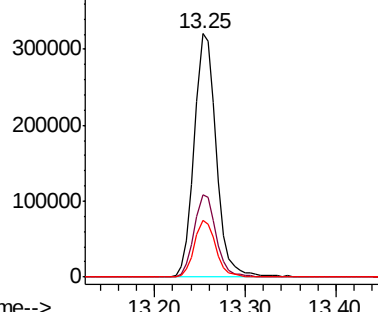


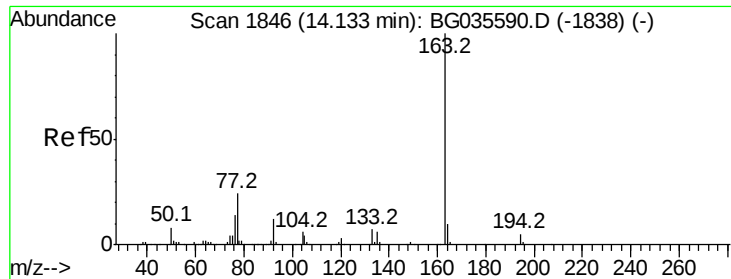
Abundance

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





#49

Dimethylphthalate

Concen: 2.075 ng

RT: 14.10 min Scan# 1841

Delta R.T. 0.00 min

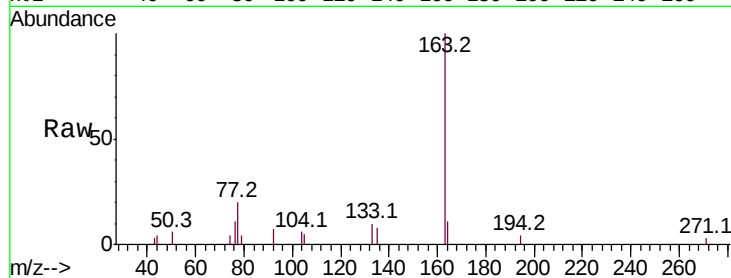
Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 13997

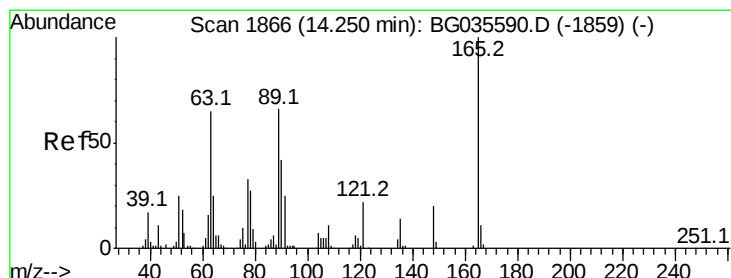
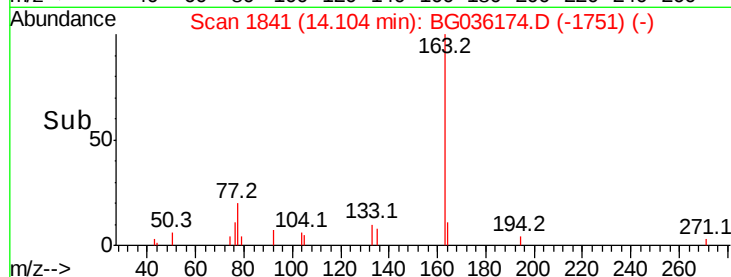
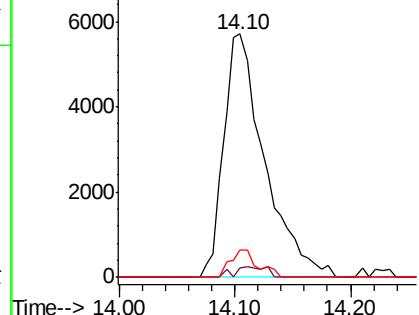
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	11.0	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.648 ng

RT: 14.63 min Scan# 1931

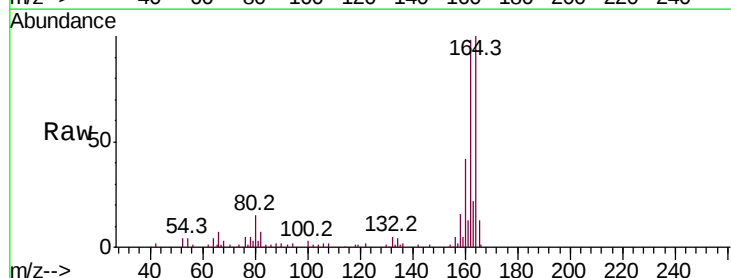
Delta R.T. 0.41 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

Tgt Ion:165 Resp: 10503

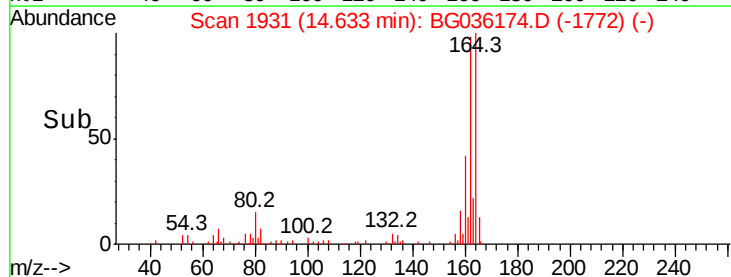
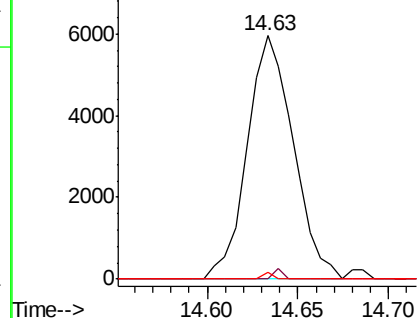
Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.6	49.2	73.8#

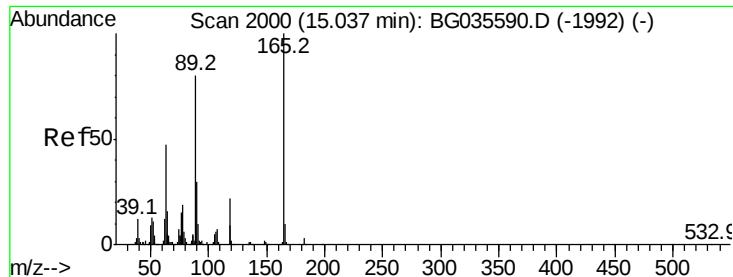


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG





#56

2,4-Dinitrotoluene

Concen: 5.331 ng

RT: 14.63 min Scan# 1931

Delta R.T. -0.38 min

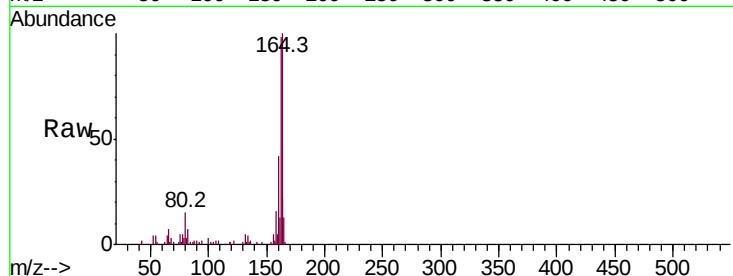
Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

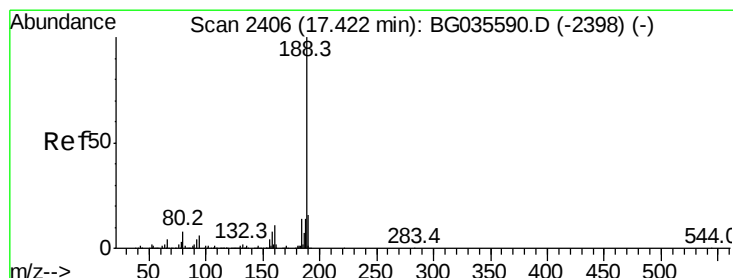
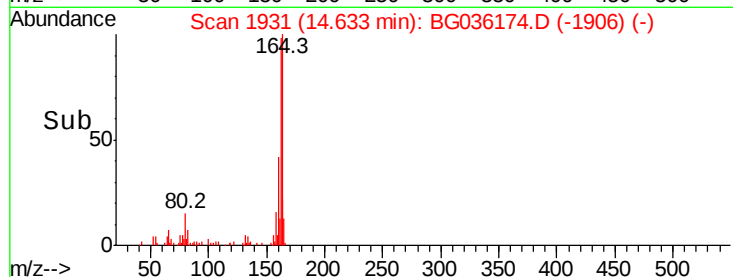
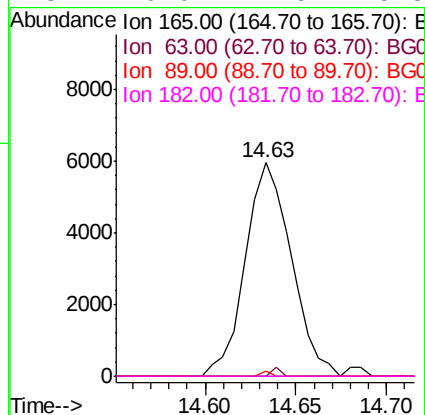
Instrument :

BNA_G

ClientSampleId :



Tot Ion:	165	Resp:	10503
Ion Ratio	Lower	Upper	
165	100		
63	0.0	42.0	63.0#
89	2.6	66.9	100.3#
182	0.0	2.6	3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

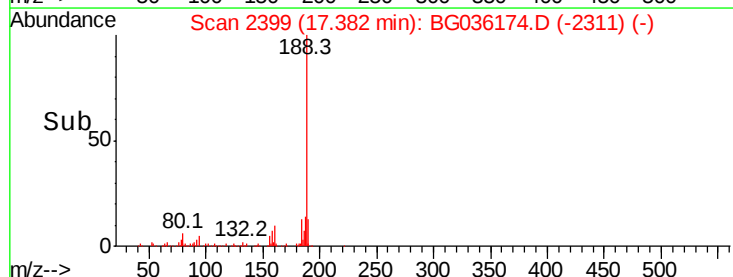
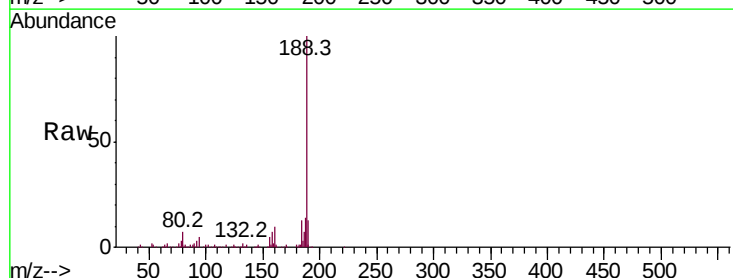
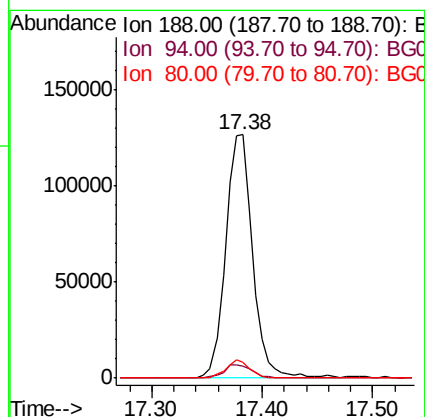
RT: 17.38 min Scan# 2399

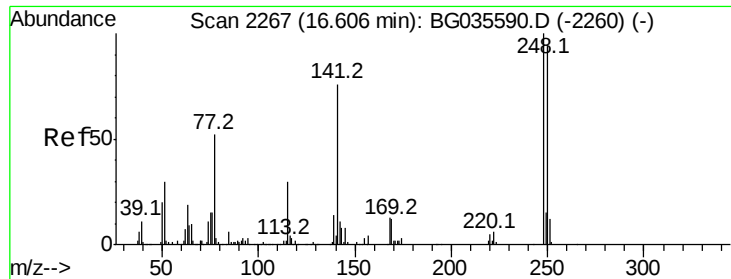
Delta R.T. -0.01 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

Tgt Ion:	188	Resp:	215980
Ion Ratio	Lower	Upper	
188	100		
94	4.9	6.9	10.3#
80	6.6	7.7	11.5#

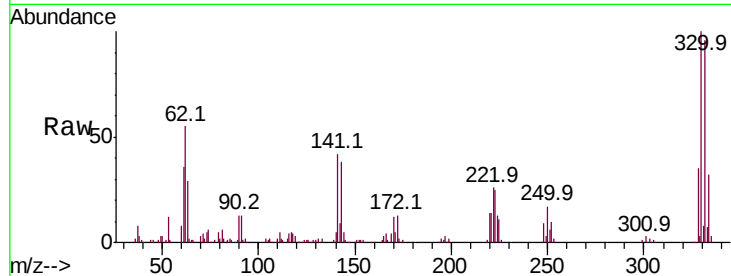




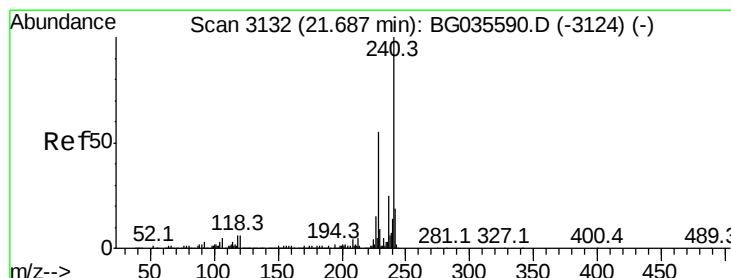
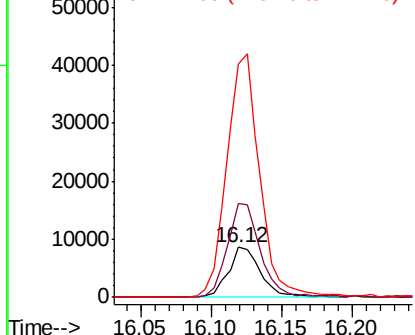
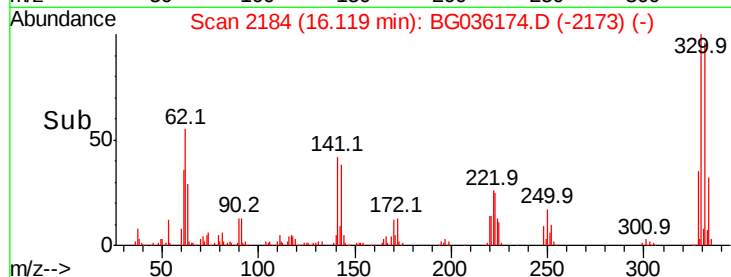
#66
 4-Bromophenyl-phenylether
 Concen: 5.477 ng
 RT: 16.12 min Scan# 2184
 Delta R.T. -0.46 min
 Lab File: BG036174.D
 Acq: 7 Aug 2018 22:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 13724
 Ion Ratio Lower Upper
 248 100
 250 187.1 77.1 115.7#
 141 468.7 50.8 76.2#

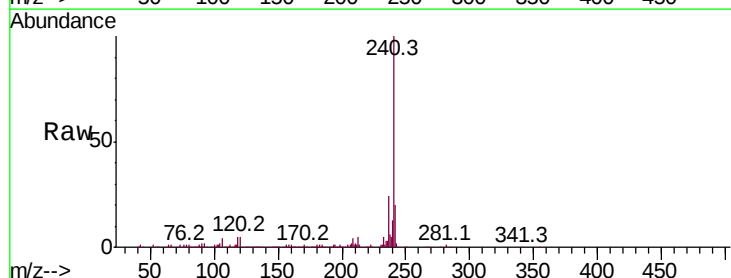


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

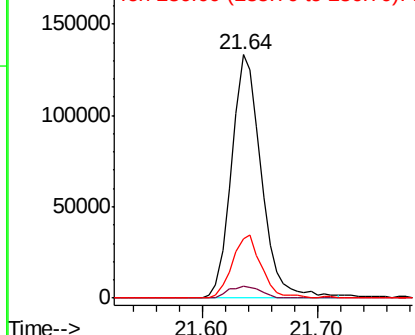
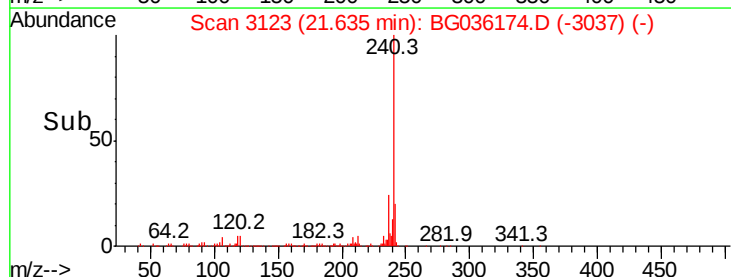


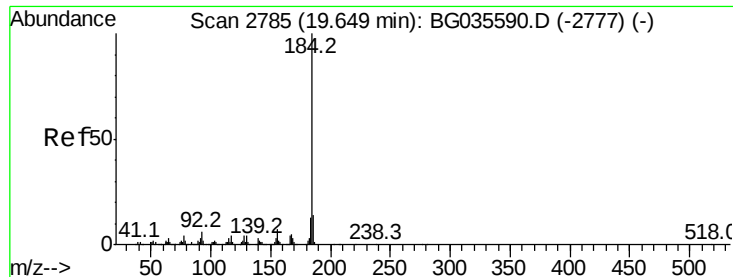
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3123
 Delta R.T. -0.02 min
 Lab File: BG036174.D
 Acq: 7 Aug 2018 22:59

Tgt Ion:240 Resp: 239206
 Ion Ratio Lower Upper
 240 100
 120 5.1 6.8 10.2#
 236 24.2 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





#76

Benzidine

Concen: 3.190 ng

RT: 19.98 min Scan# 2842

Delta R.T. 0.36 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

Instrument :

BNA_G

ClientSampleId :

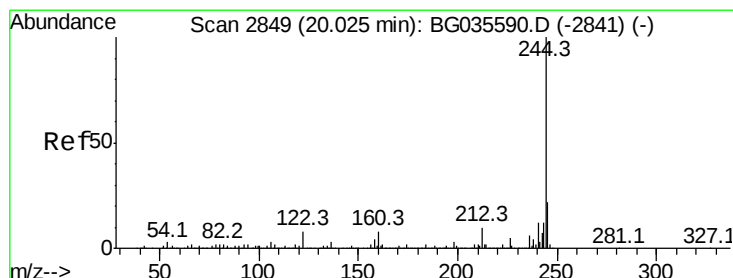
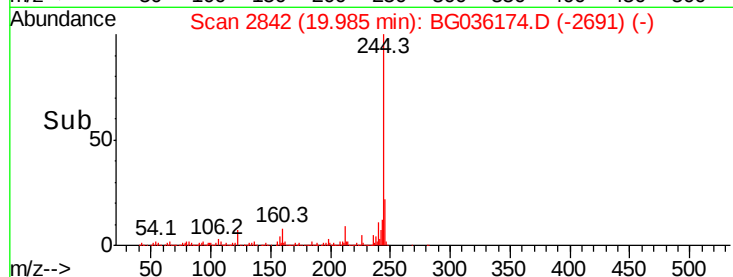
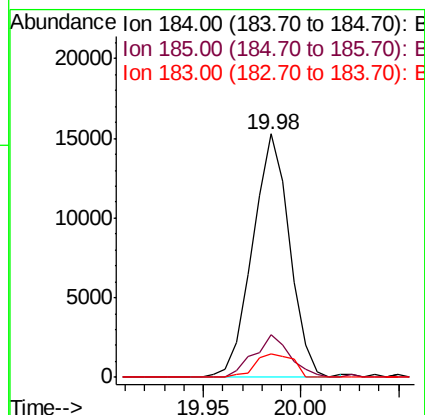
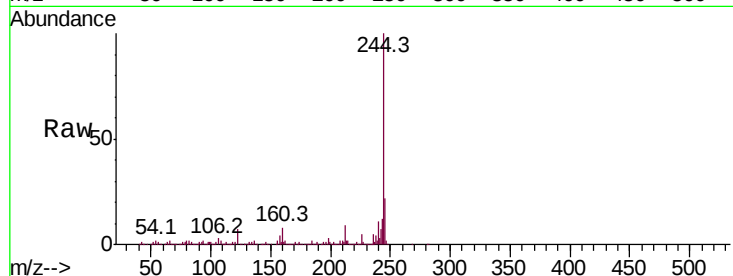
Tot Ion:184 Resp: 20059

Ion Ratio Lower Upper

184 100

185 17.5 11.1 16.7#

183 9.6 10.6 16.0#



#78

Terphenyl-d14

Concen: 106.573 ng

RT: 19.98 min Scan# 2842

Delta R.T. -0.02 min

Lab File: BG036174.D

Acq: 7 Aug 2018 22:59

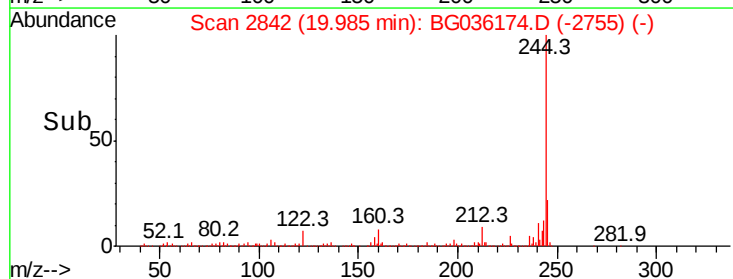
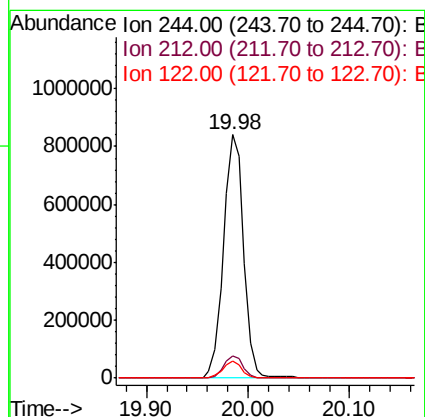
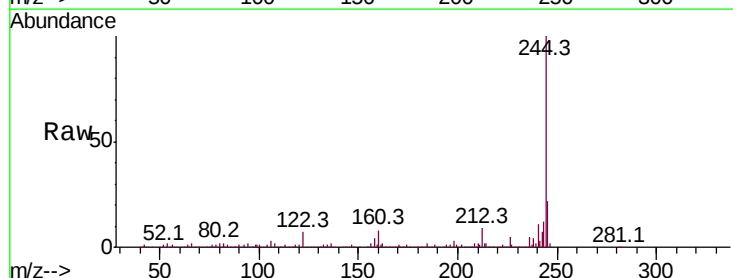
Tgt Ion:244 Resp: 1156503

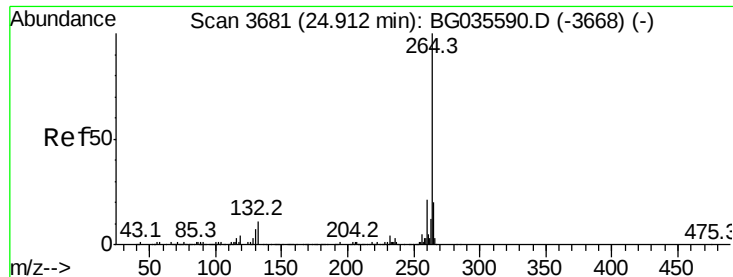
Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

122 7.0 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3665
Delta R.T. -0.04 min
Lab File: BG036174.D
Acq: 7 Aug 2018 22:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	20.9	17.7	26.5

