

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092518\
 Data File : BG036972.D
 Acq On : 26 Sep 2018 6:36
 Operator : JU/SJ
 Sample : J5055-19
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-D

Quant Time: Sep 26 07:27:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

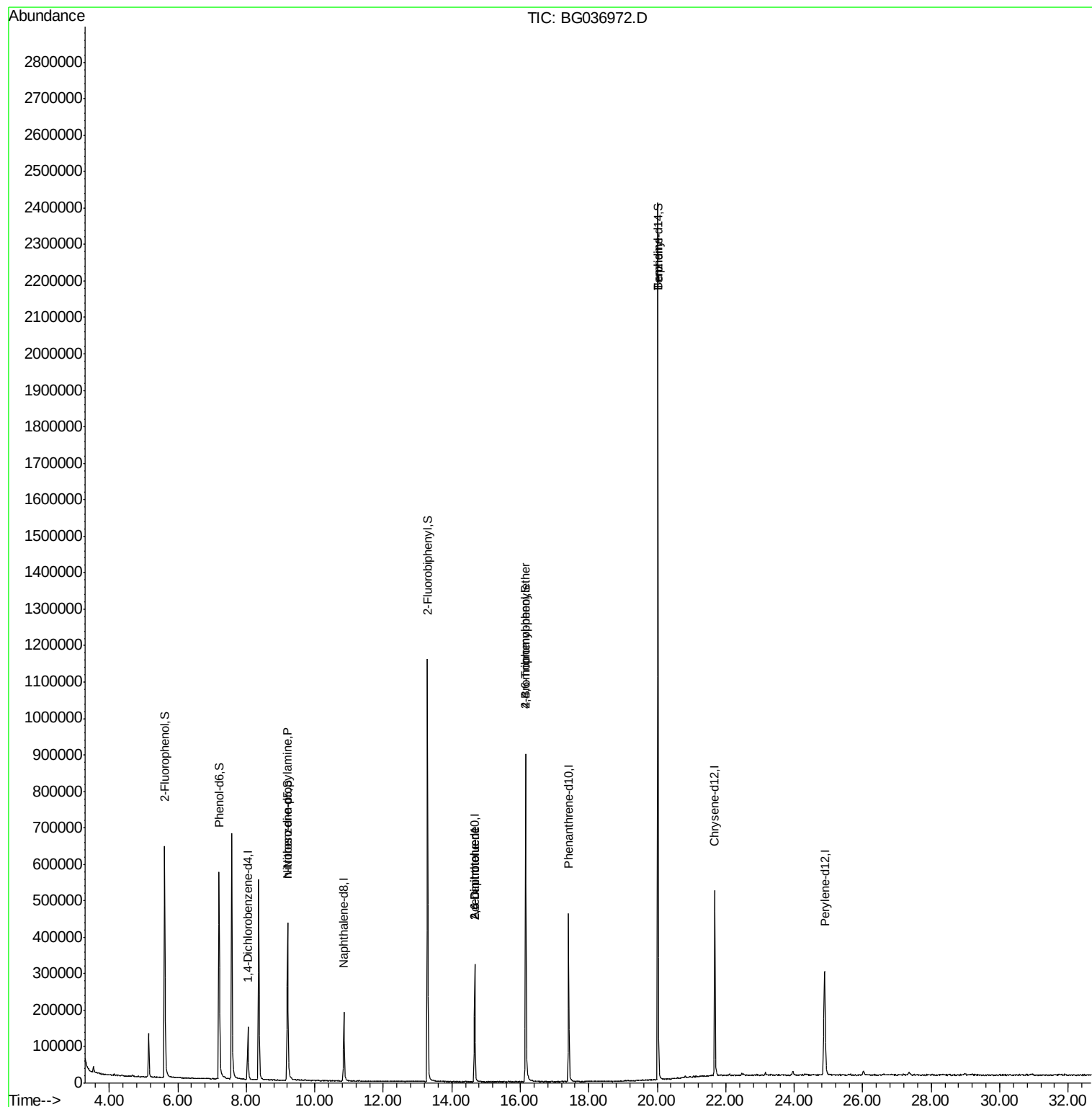
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	46650	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	187110	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	121089	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	314574	20.00	ng	0.00
75) Chrysene-d12	21.68	240	333856	20.00	ng	-0.01
86) Perylene-d12	24.88	264	329955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	295578	121.51	ng	0.00
7) Phenol-d6	7.20	99	377594	100.33	ng	-0.01
23) Nitrobenzene-d5	9.20	82	309857	88.68	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	177120	122.26	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	648437	79.76	ng	0.00
78) Terphenyl-d14	20.02	244	1168834	92.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	40849	13.047	ng	# 73
50) 2,6-Dinitrotoluene	14.67	165	14978	7.043	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	14978	5.048	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	12643	3.533	ng	# 1
76) Benzidine	20.02	184	20796	2.061	ng	# 93

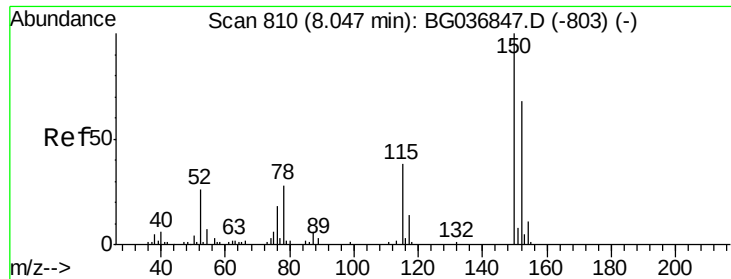
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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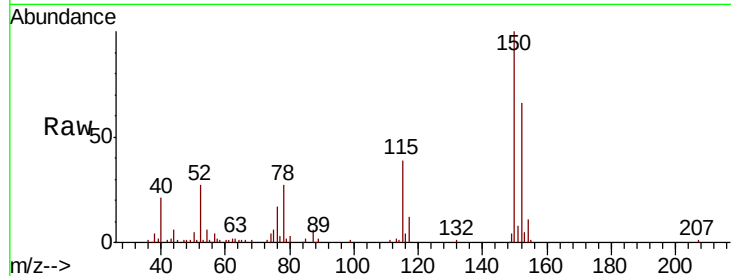


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.6	119.5	179.3
115	59.3	44.5	66.7

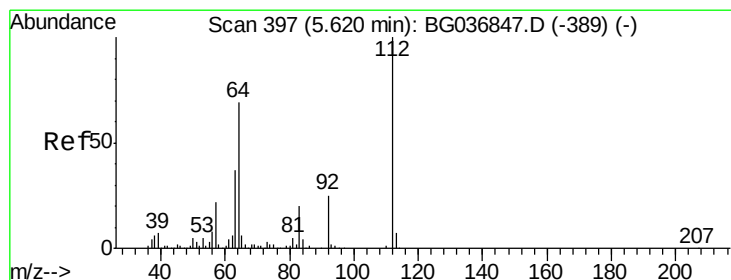
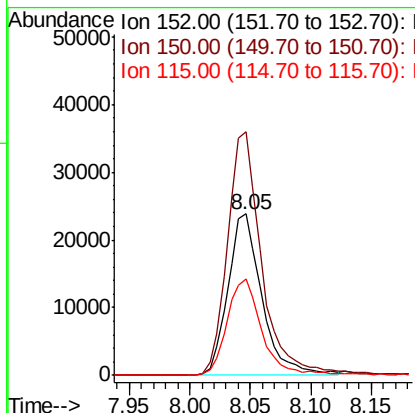
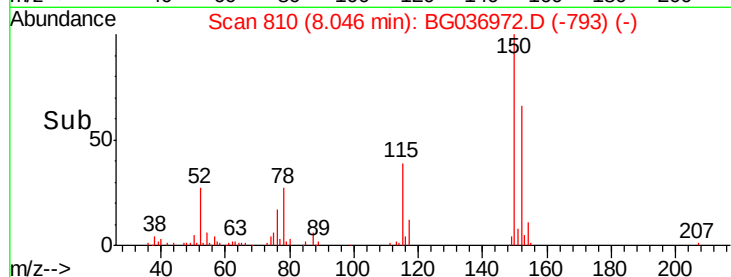


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

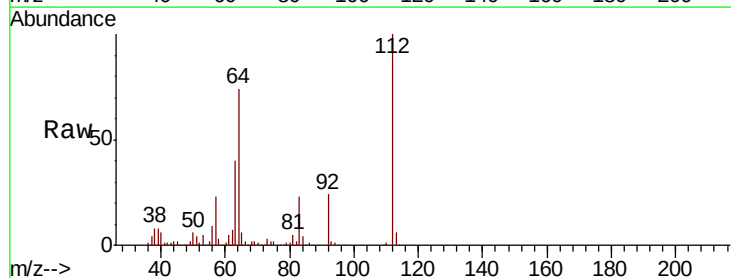
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 121.512 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	57.2	85.8
63	40.3	30.8	46.2

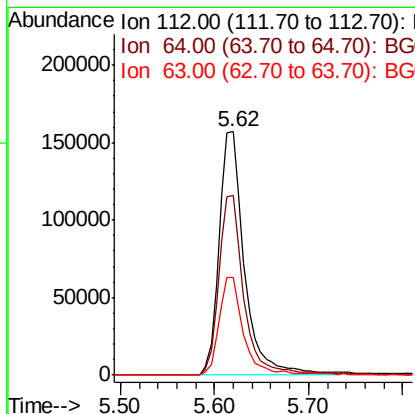
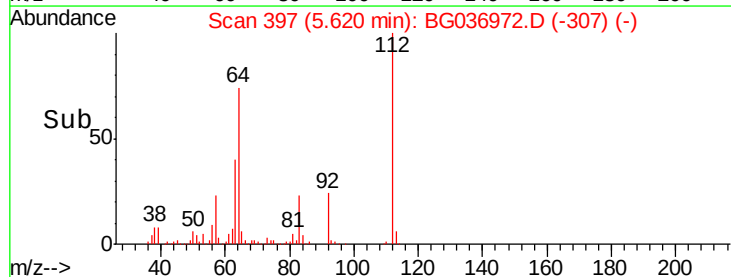


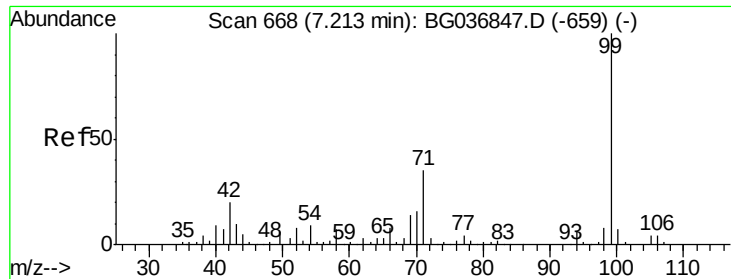
Abundance

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: 100.331 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036972.D

Acq: 26 Sep 2018 6:36

Instrument :

BNA_G

ClientSampleId :

TP-D

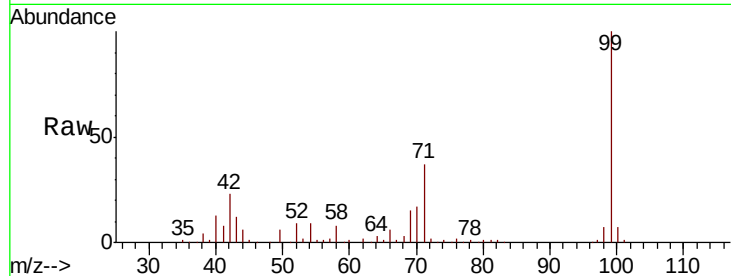
Tgt Ion: 99 Resp: 377594

Ion Ratio Lower Upper

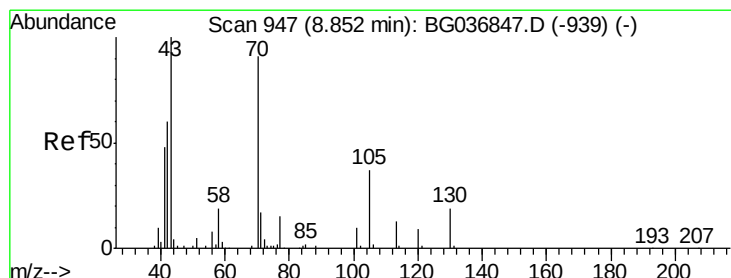
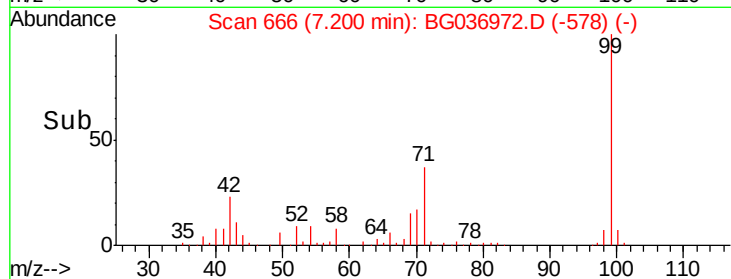
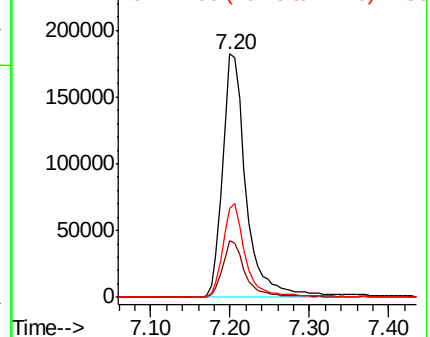
99 100

42 23.3 16.5 24.7

71 36.5 29.4 44.2



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: 13.047 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG036972.D

Acq: 26 Sep 2018 6:36

Tgt Ion: 70 Resp: 40849

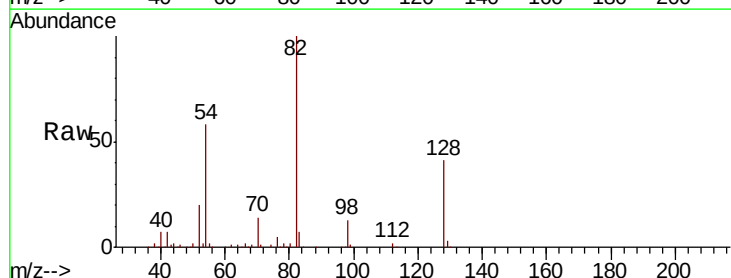
Ion Ratio Lower Upper

70 100

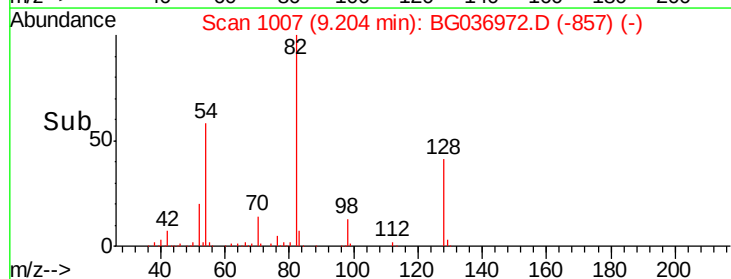
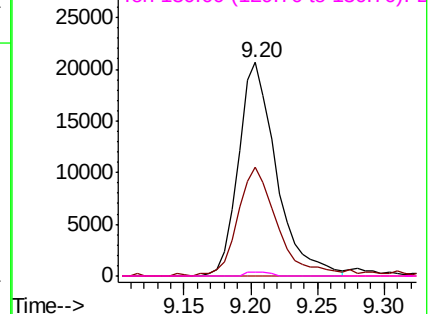
42 50.9 56.2 84.4#

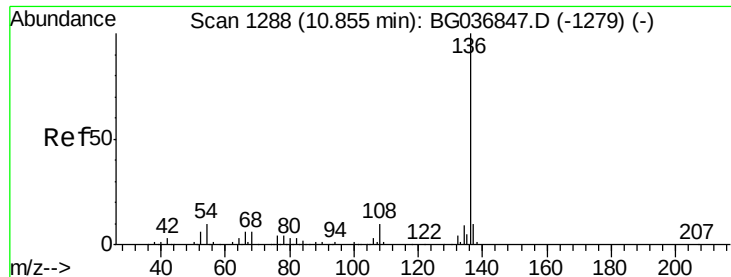
101 0.0 7.8 11.6#

130 1.8 16.2 24.2#



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

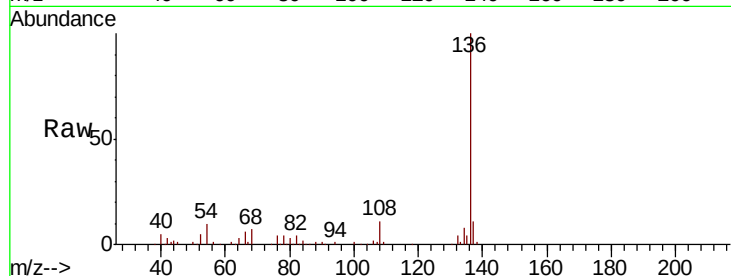




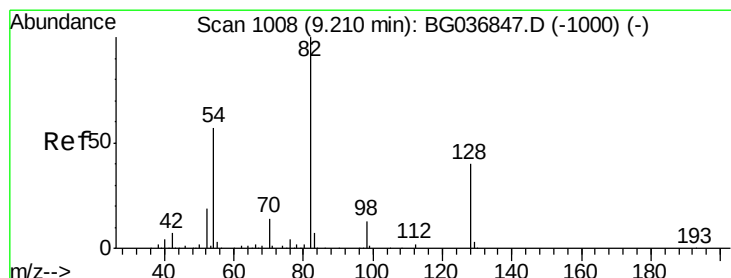
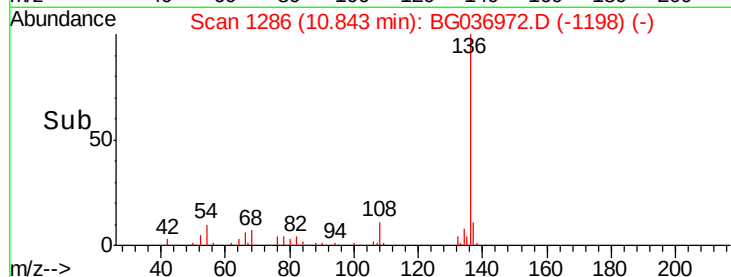
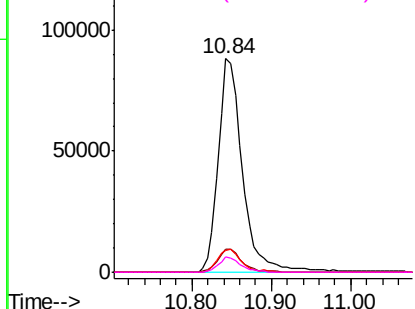
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG036972.D
Acq: 26 Sep 2018 6:36

Instrument :
BNA_G
ClientSampleId :
TP-D

Tgt Ion:	136	Resp:	187110
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.0	9.2	13.8
68	7.0	5.8	8.6

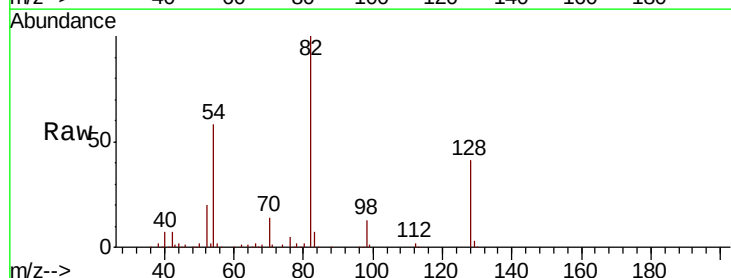


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

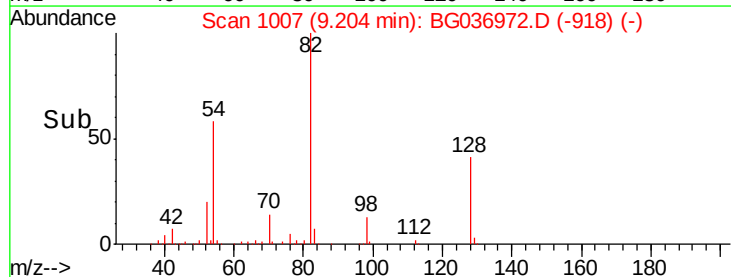
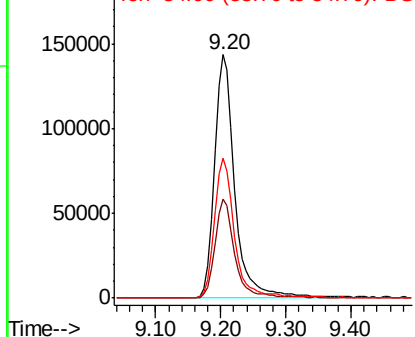


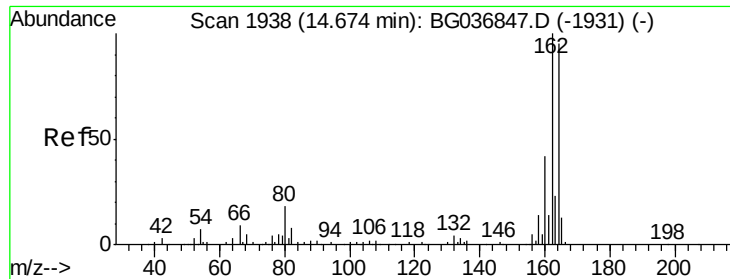
#23
Nitrobenzene-d5
Concen: 88.681 ng
RT: 9.20 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG036972.D
Acq: 26 Sep 2018 6:36

Tgt Ion:	82	Resp:	309857
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.3	49.9
54	57.6	45.1	67.7



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: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036972.D

Acq: 26 Sep 2018 6:36

Instrument :

BNA_G

ClientSampleId :

TP-D

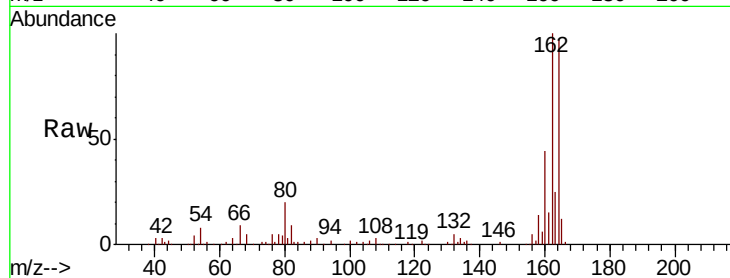
Tgt Ion:164 Resp: 121089

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

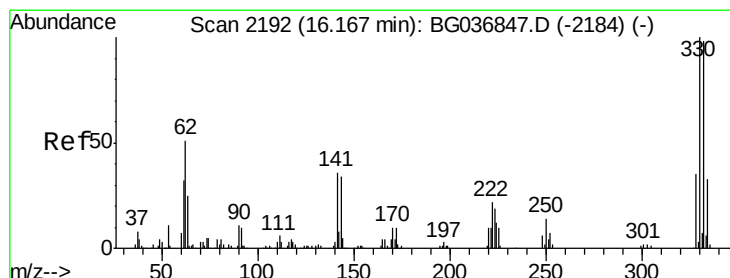
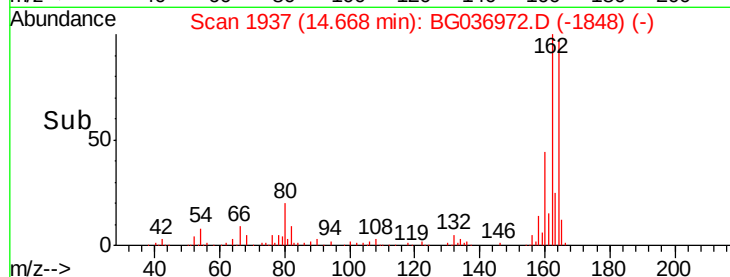
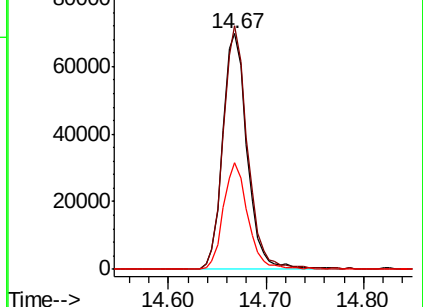
160 45.2 35.3 52.9



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: 122.257 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG036972.D

Acq: 26 Sep 2018 6:36

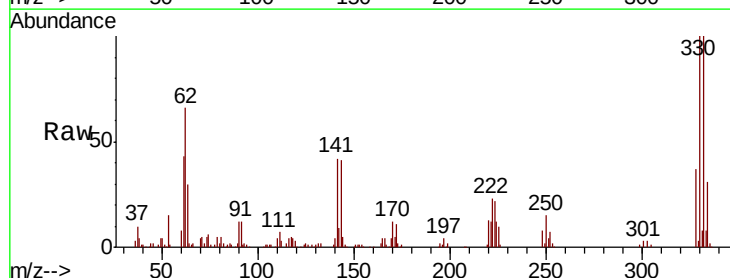
Tgt Ion:330 Resp: 177120

Ion Ratio Lower Upper

330 100

332 98.2 75.4 113.2

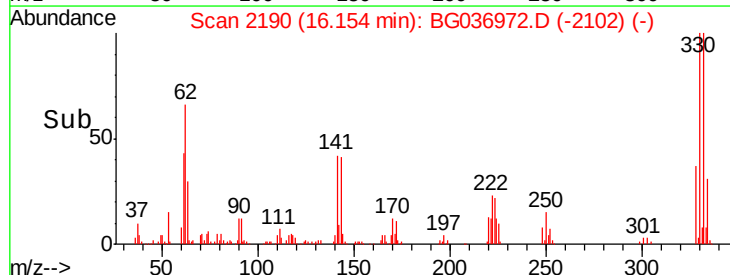
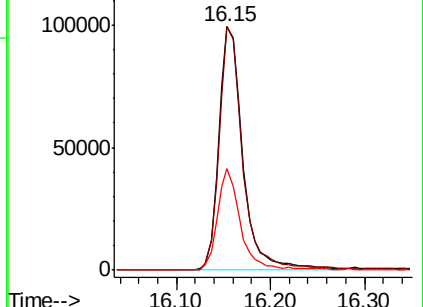
141 39.7 30.7 46.1

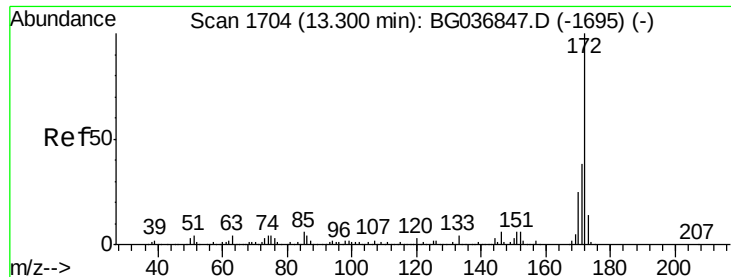


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

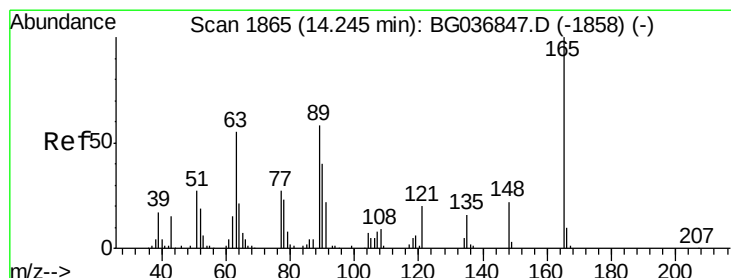
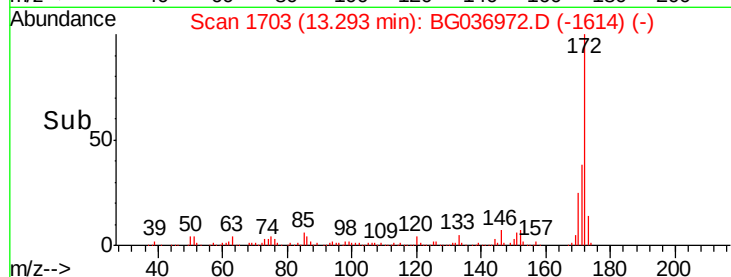
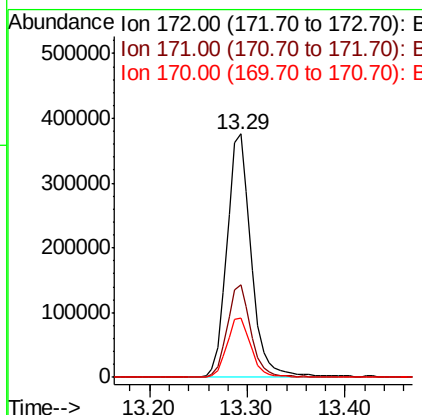
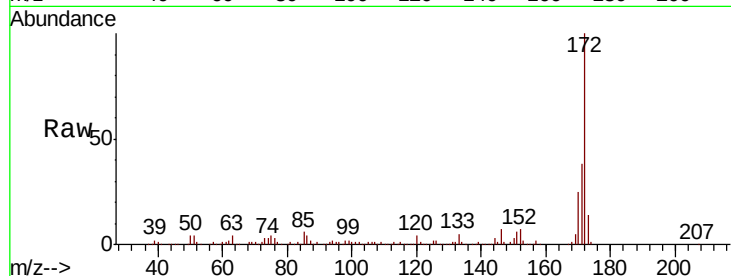




#44
 2-Fluorobiphenyl
 Concen: 79.757 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

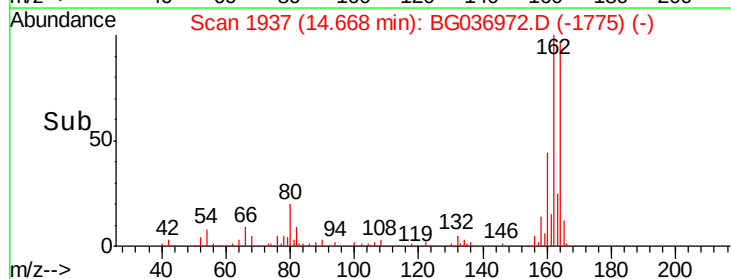
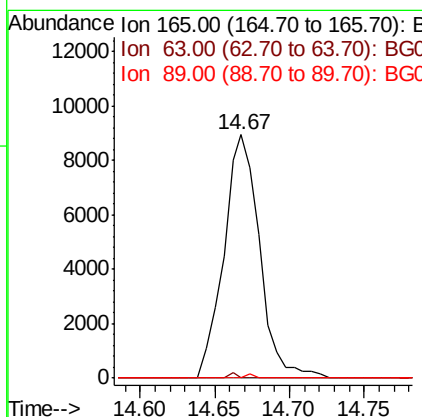
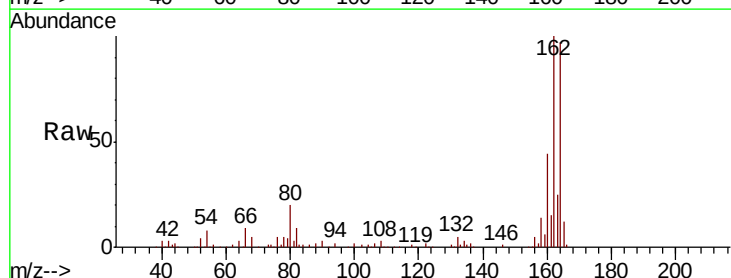
Instrument :
 BNA_G
 ClientSampleId :
 TP-D

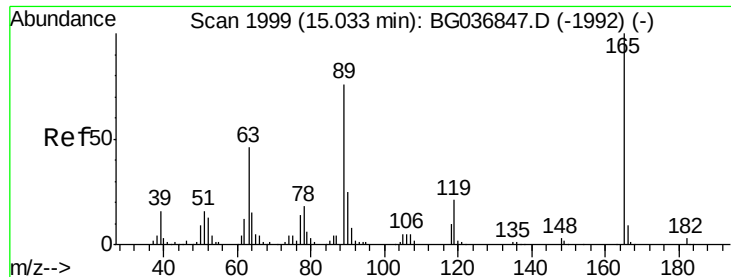
Tgt Ion:	172	Resp:	648437
Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.3	46.9
170	24.6	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.043 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

Tgt Ion:	165	Resp:	14978
Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	0.0	47.8	71.6#

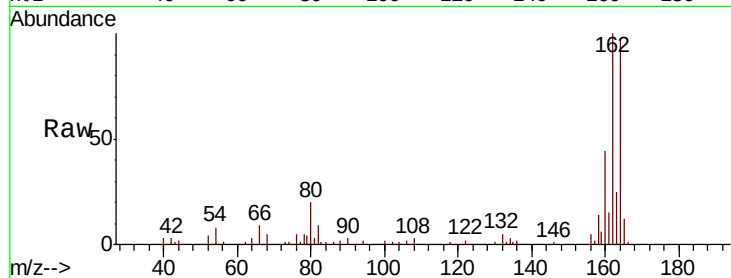




#56
 2,4-Dinitrotoluene
 Concen: 5.048 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

Instrument :
 BNA_G
 ClientSampleId :
 TP-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#

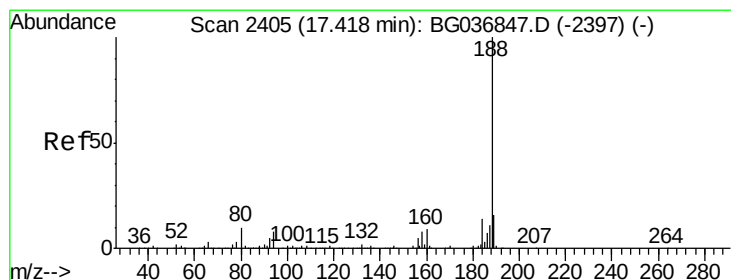
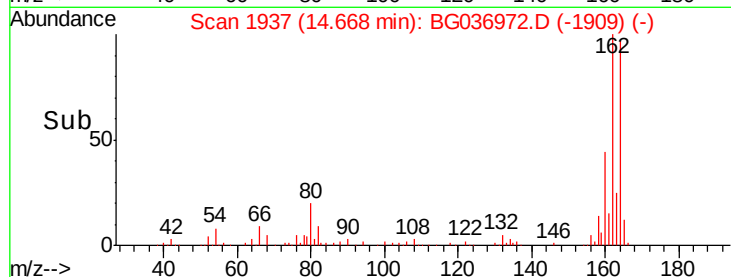
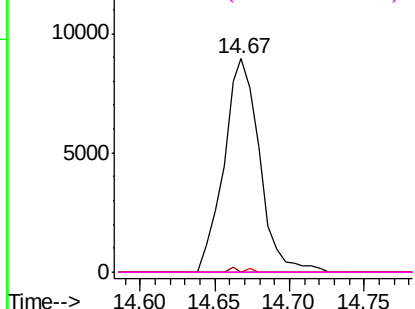


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

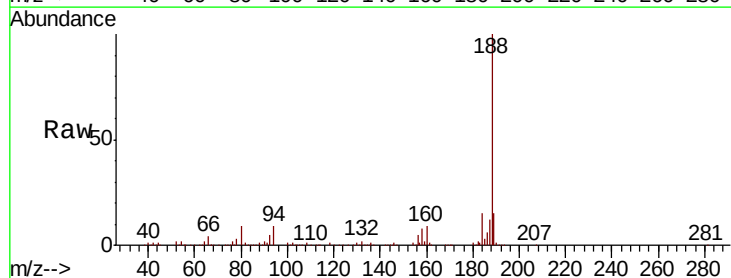
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2404
 Delta R.T. -0.01 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

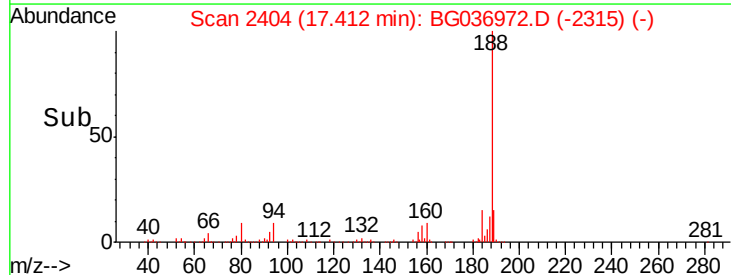
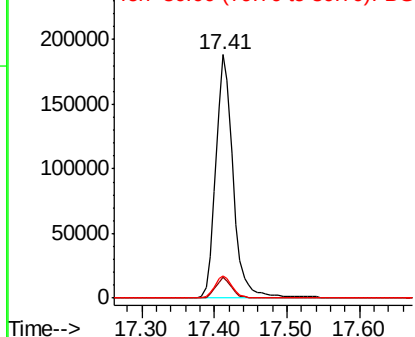
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	9.1	8.1	12.1

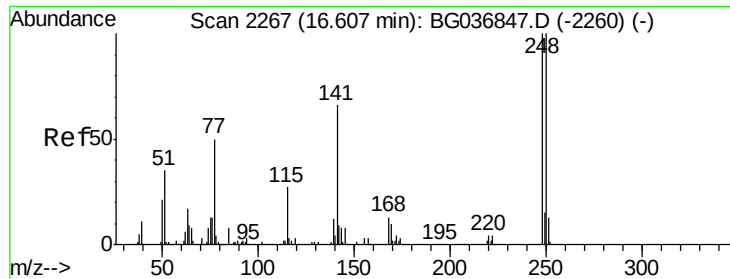


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

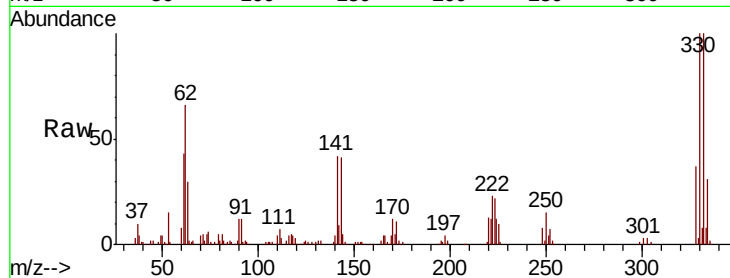




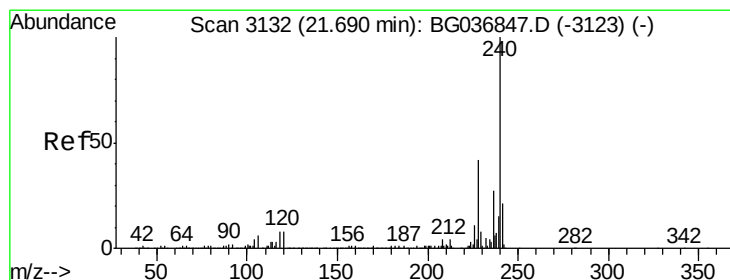
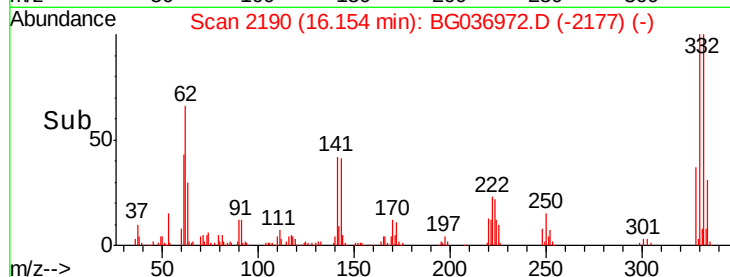
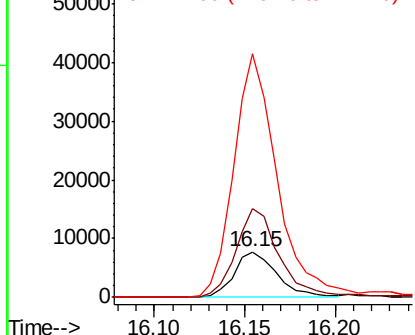
#66
 4-Bromophenyl-phenylether
 Concen: 3.533 ng
 RT: 16.15 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

Instrument :
 BNA_G
 ClientSampled :
 TP-D

Tgt Ion:248 Resp: 12643
 Ion Ratio Lower Upper
 248 100
 250 196.1 78.1 117.1#
 141 537.4 53.7 80.5#

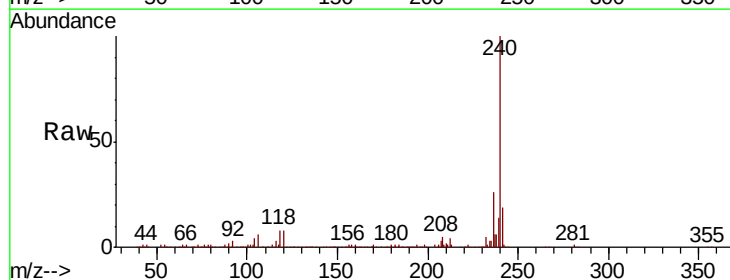


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

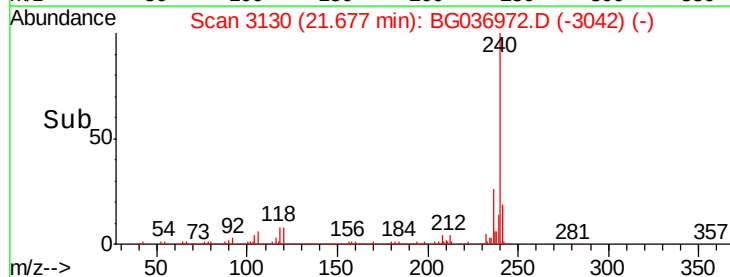
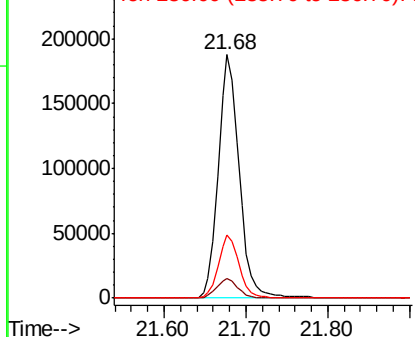


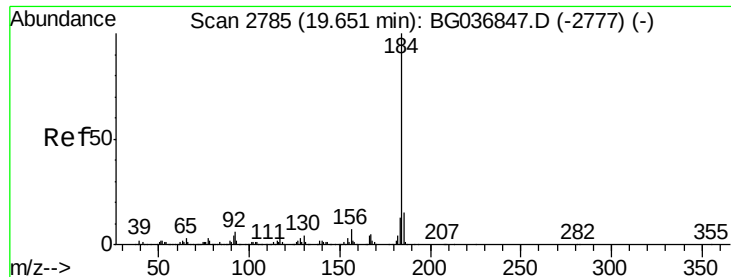
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG036972.D
 Acq: 26 Sep 2018 6:36

Tgt Ion:240 Resp: 333856
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.9 10.3
 236 26.1 21.2 31.8



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: 2.061 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036972.D

Acq: 26 Sep 2018 6:36

Instrument :

BNA_G

ClientSampleId :

TP-D

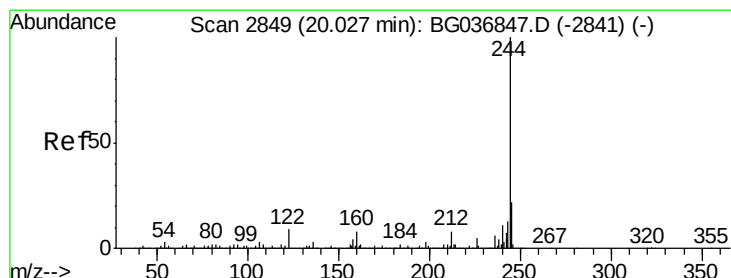
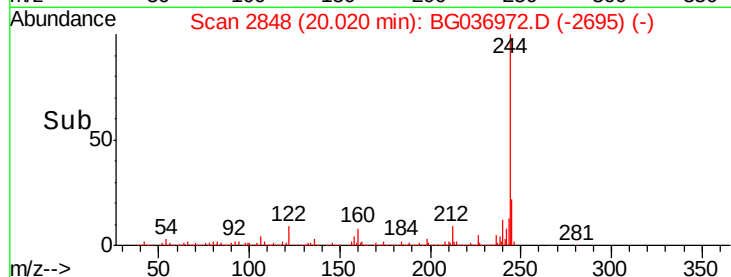
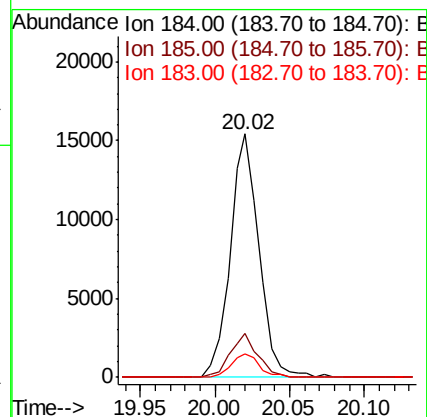
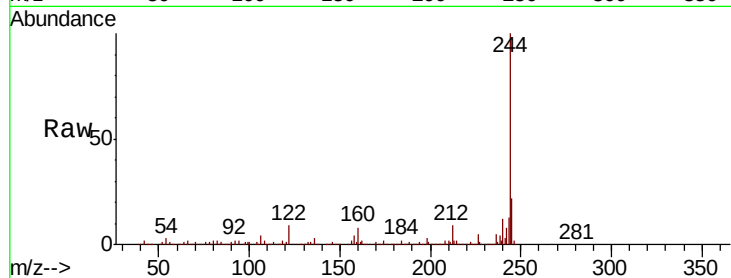
Tgt Ion:184 Resp: 20796

Ion Ratio Lower Upper

184 100

185 17.8 12.6 18.8

183 9.9 10.9 16.3#



#78

Terphenyl-d14

Concen: 92.059 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036972.D

Acq: 26 Sep 2018 6:36

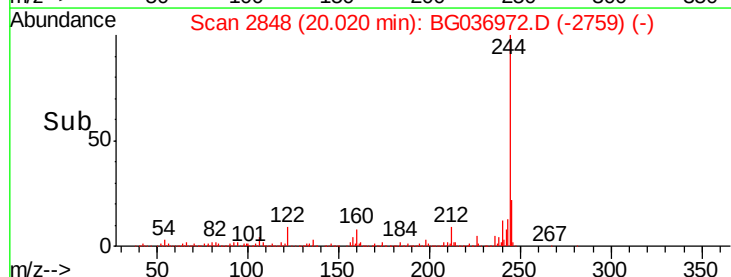
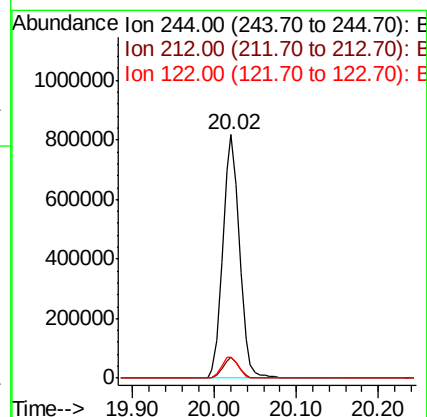
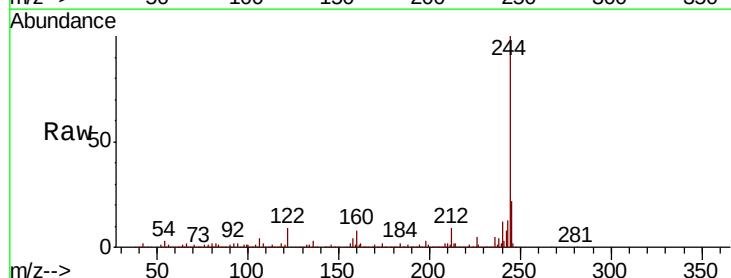
Tgt Ion:244 Resp: 1168834

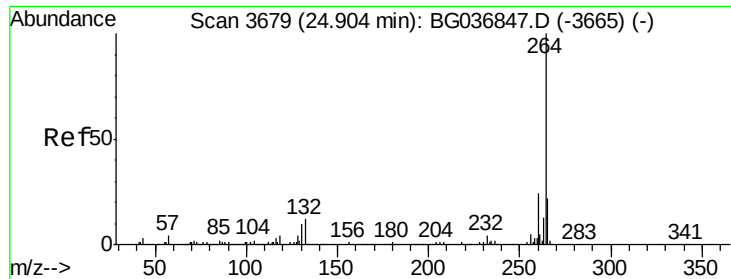
Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

122 8.7 7.1 10.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG036972.D
Acq: 26 Sep 2018 6:36

Instrument :
BNA_G
ClientSampleId :
TP-D

Tgt Ion:	264	Resp:	329955
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.1	17.4	26.0

