

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062718\
 Data File : BG035461.D
 Acq On : 28 Jun 2018 1:21
 Operator : JU/SJ
 Sample : J3694-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 28 04:33:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

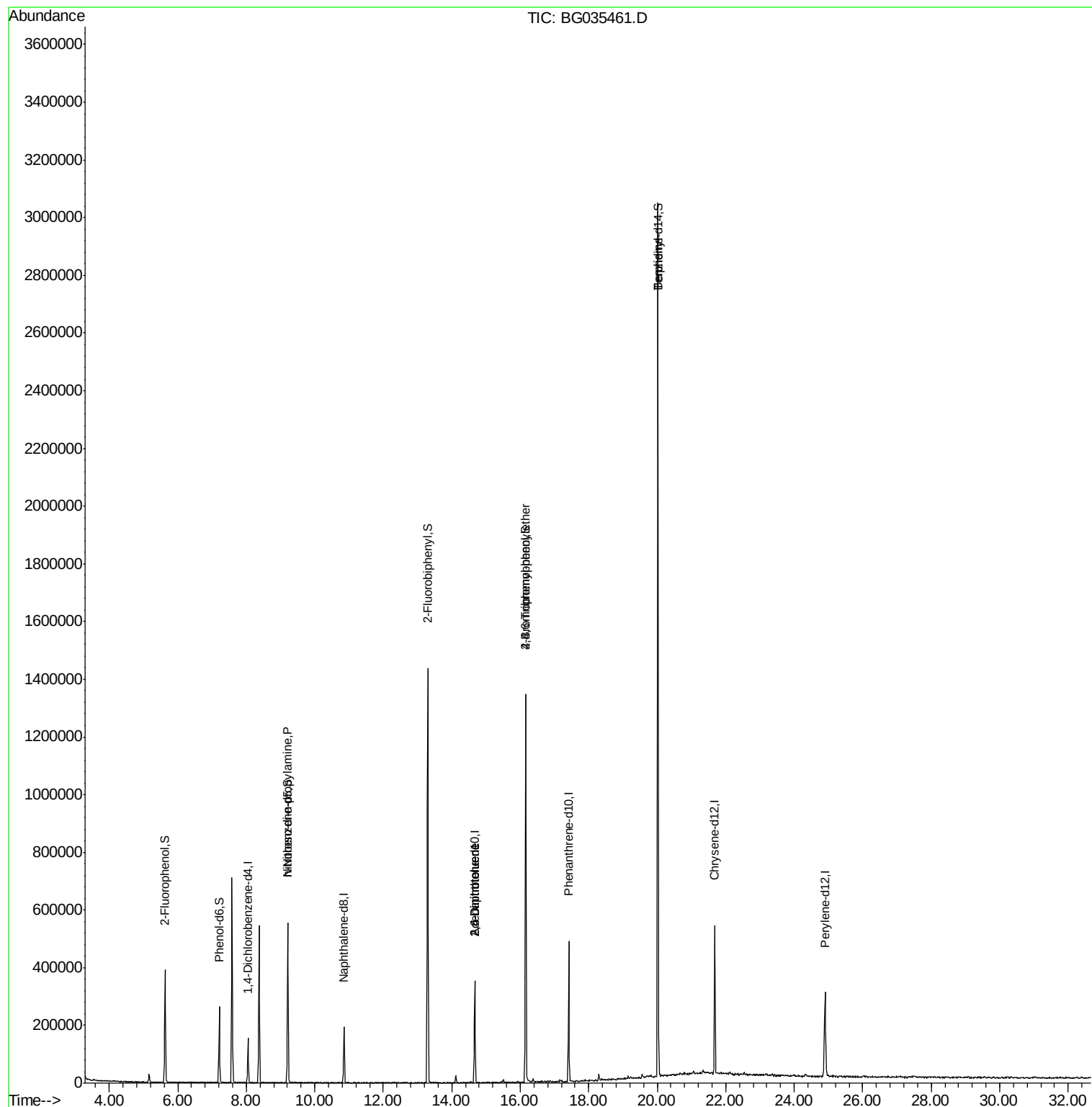
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	45340	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	167839	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	120384	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	312453	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	334572	20.00	ng	-0.04
86) Perylene-d12	24.90	264	335398	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	174903	65.10	ng	-0.02
7) Phenol-d6	7.21	99	165265	41.68	ng	-0.01
23) Nitrobenzene-d5	9.22	82	375575	106.37	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	251823	163.41	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	788969	85.20	ng	-0.03
78) Terphenyl-d14	20.02	244	1524584	95.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	50483	14.985	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	17324	9.046	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	17324	6.810	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	20519	5.453	ng	# 1
76) Benzidine	20.02	184	25412	2.042	ng	# 89

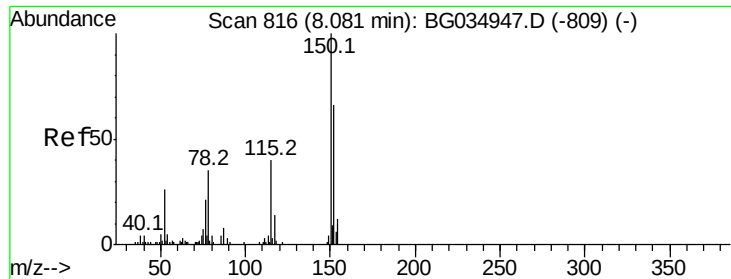
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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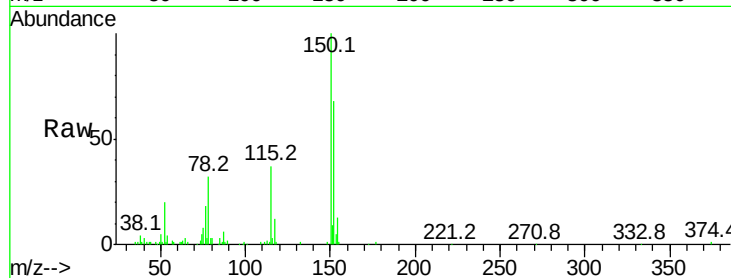


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035461.D
Acq: 28 Jun 2018 1:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.9	126.6	189.8
115	55.3	53.0	79.4

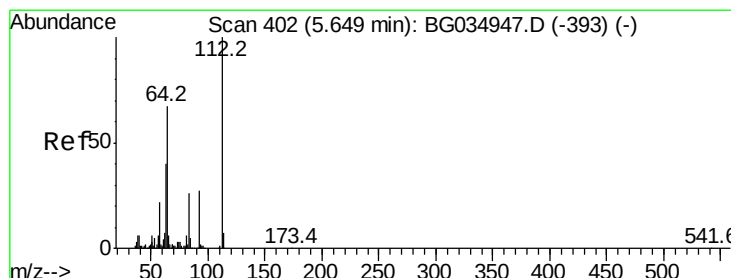
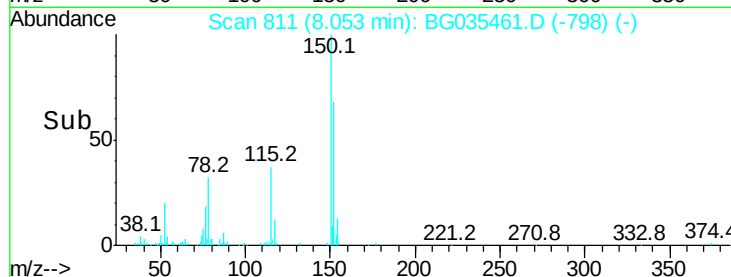
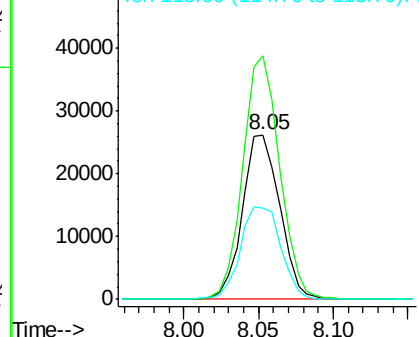


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

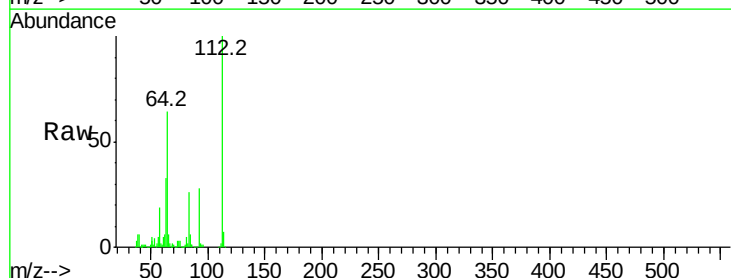
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.101 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.02 min
Lab File: BG035461.D
Acq: 28 Jun 2018 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	56.3	84.5
63	32.9	30.1	45.1

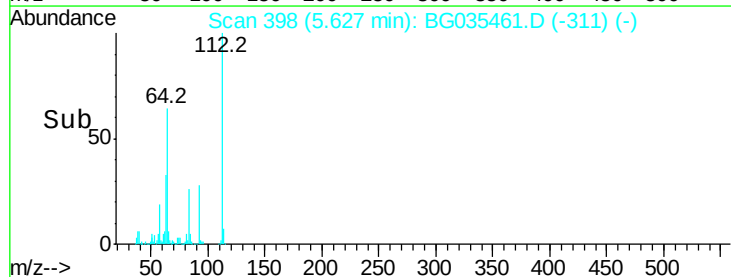
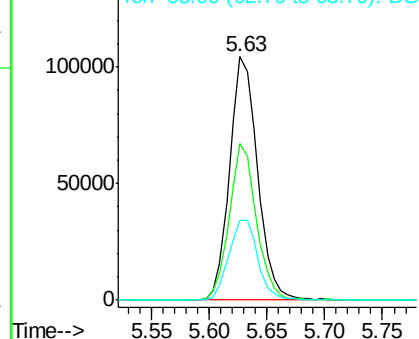


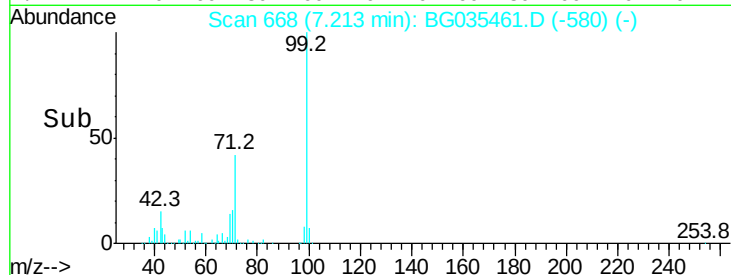
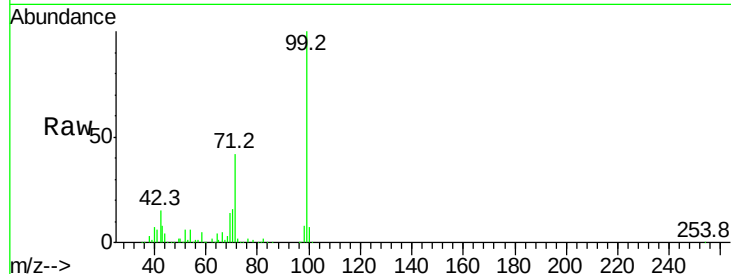
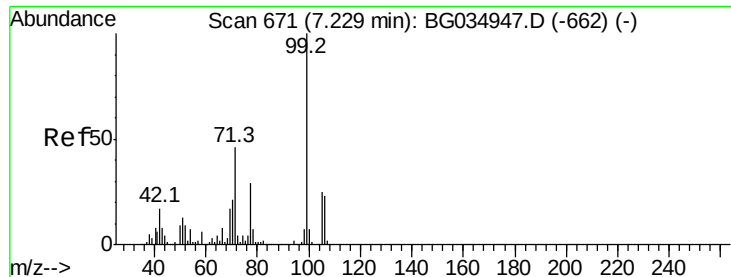
Abundance

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: 41.678 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035461.D

Acq: 28 Jun 2018 1:21

Instrument :

BNA_G

ClientSampleId :

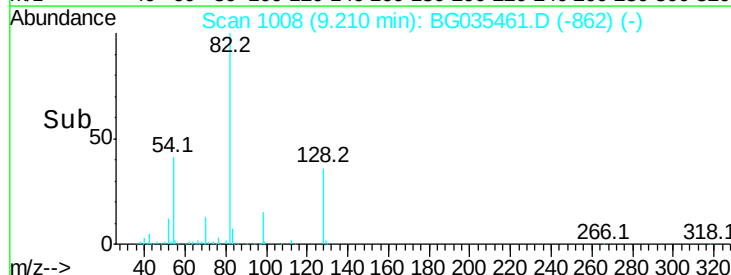
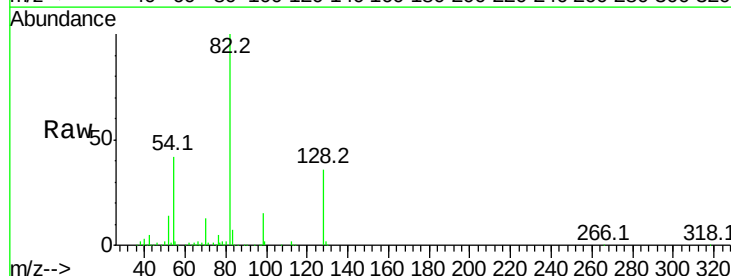
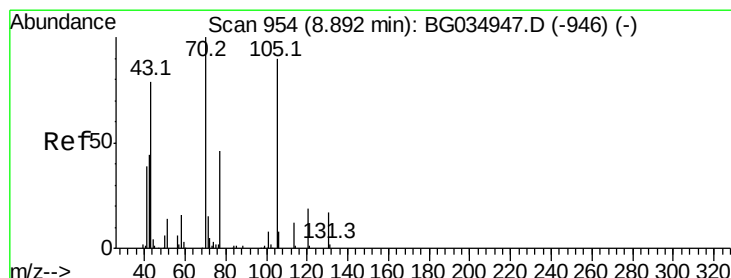
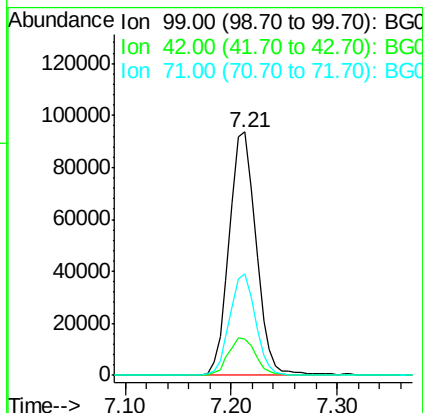
Tot Ion: 99 Resp: 165265

Ion Ratio Lower Upper

99 100

42 14.6 14.1 21.1

71 41.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.985 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035461.D

Acq: 28 Jun 2018 1:21

Tgt Ion: 70 Resp: 50483

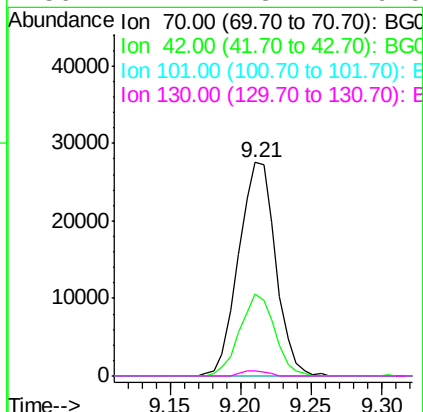
Ion Ratio Lower Upper

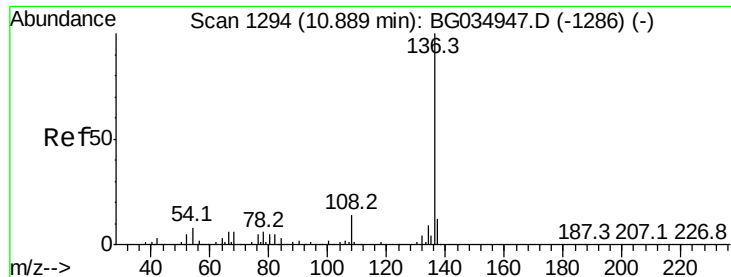
70 100

42 38.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

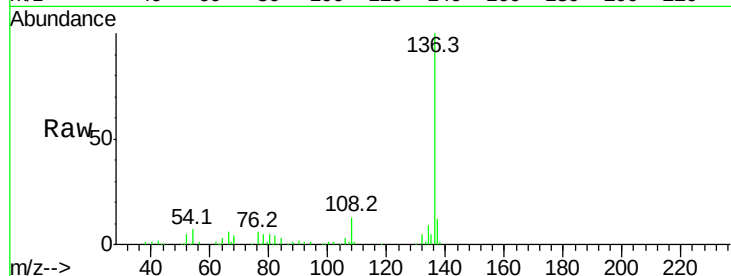




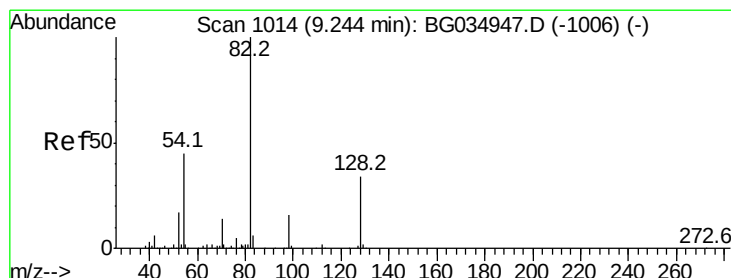
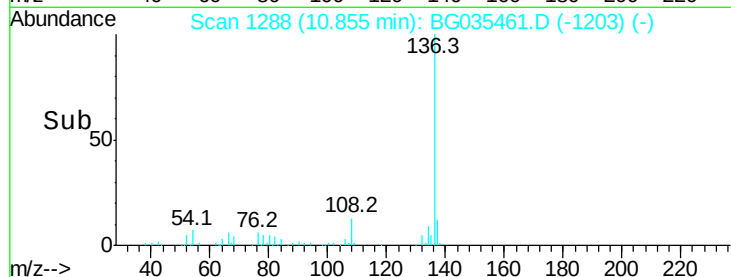
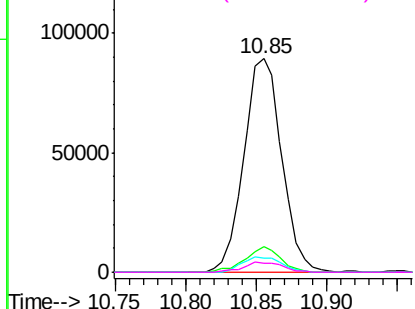
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BG035461.D
Acq: 28 Jun 2018 1:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	167839
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.2 13.8
54	6.7	10.3 15.5#
68	4.1	4.5 6.7#

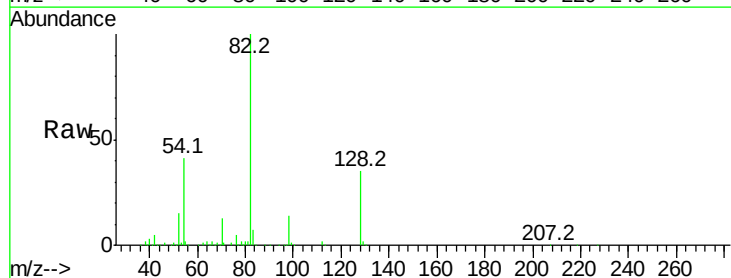


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

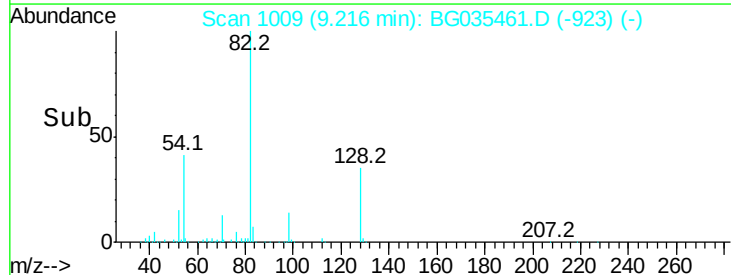
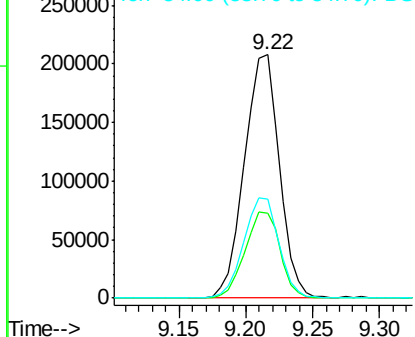


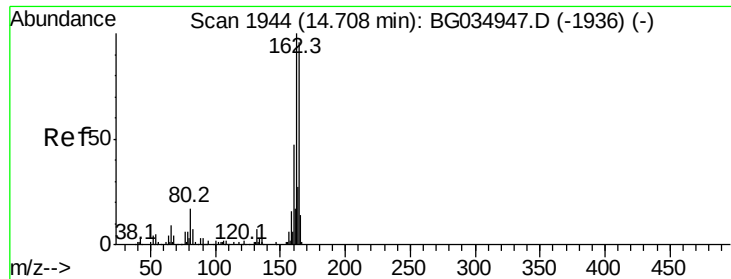
#23
Nitrobenzene-d5
Concen: 106.368 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035461.D
Acq: 28 Jun 2018 1:21

Tgt Ion: 82	Resp:	375575
Ion Ratio	Lower	Upper
82	100	
128	34.8	29.7 44.5
54	40.6	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: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.02 min

Lab File: BG035461.D

Acq: 28 Jun 2018 1:21

Instrument :

BNA_G

ClientSampleId :

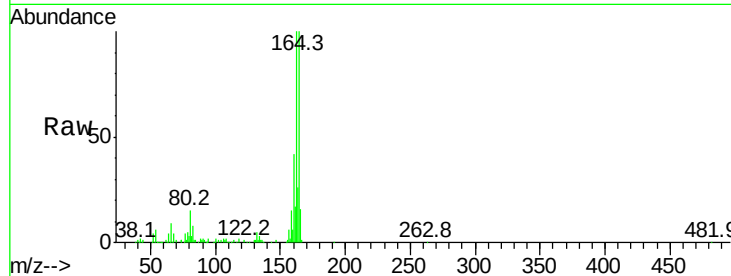
Tot Ion:164 Resp: 120384

Ion Ratio Lower Upper

164 100

162 99.6 78.8 118.2

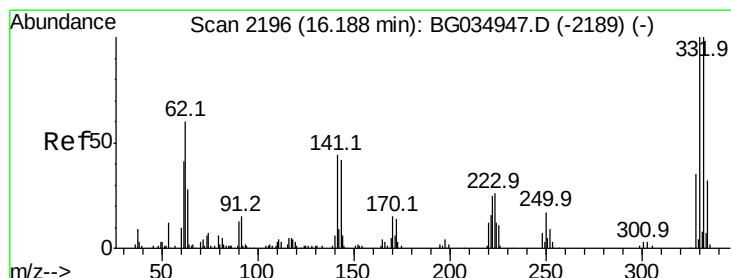
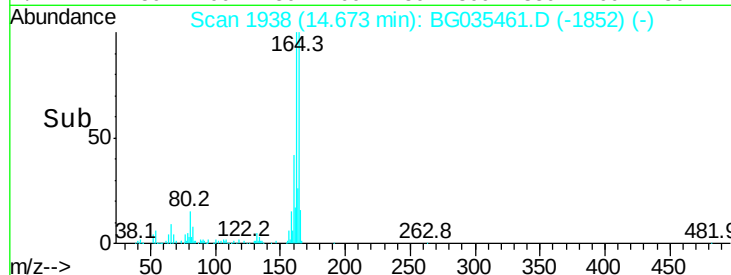
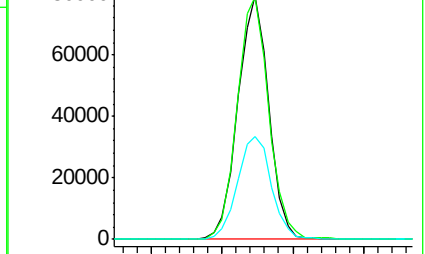
160 42.2 35.4 53.0



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: 163.408 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035461.D

Acq: 28 Jun 2018 1:21

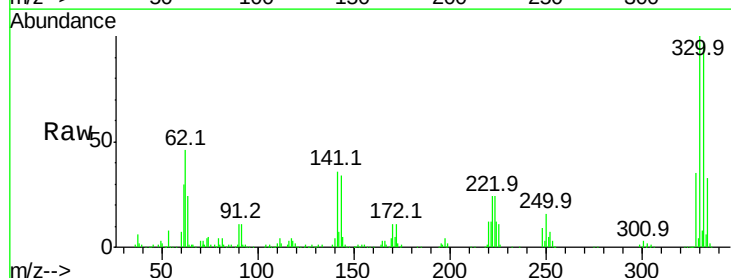
Tgt Ion:330 Resp: 251823

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

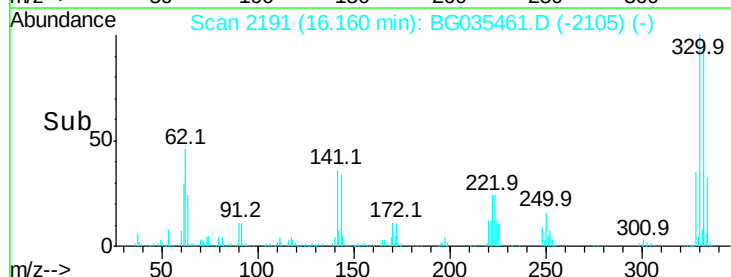
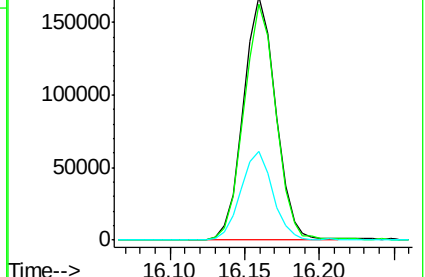
141 36.5 25.2 37.8

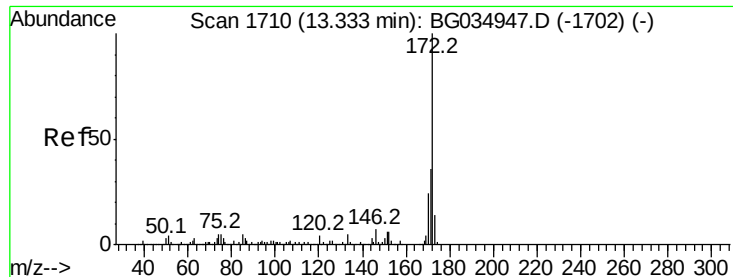


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

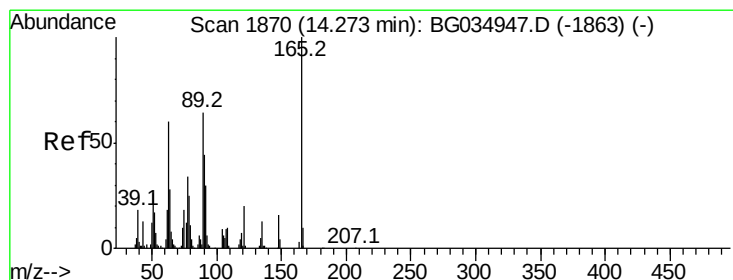
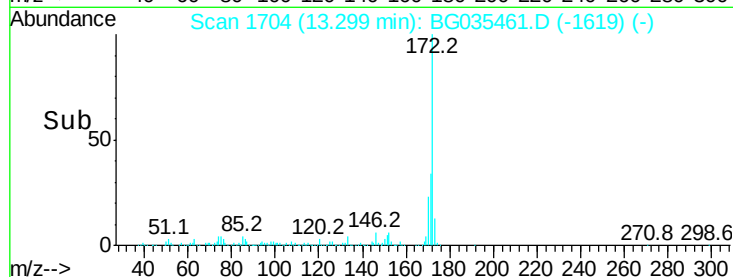
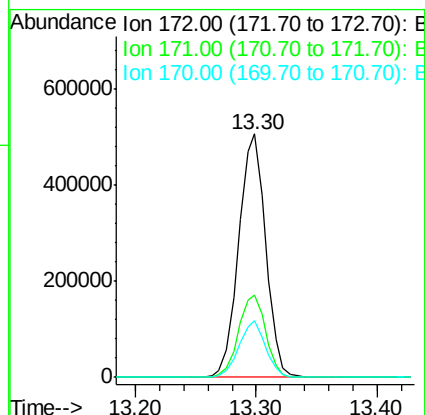
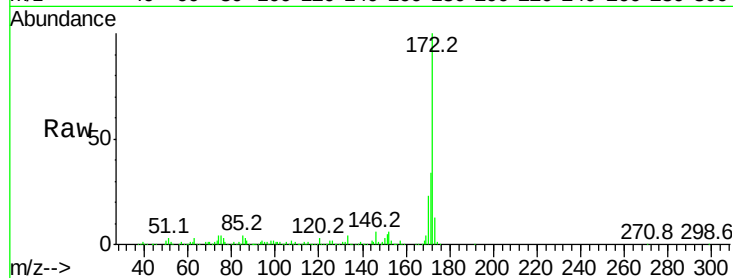




#44
2-Fluorobiphenyl
Concen: 85.199 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG035461.D
Acq: 28 Jun 2018 1:21

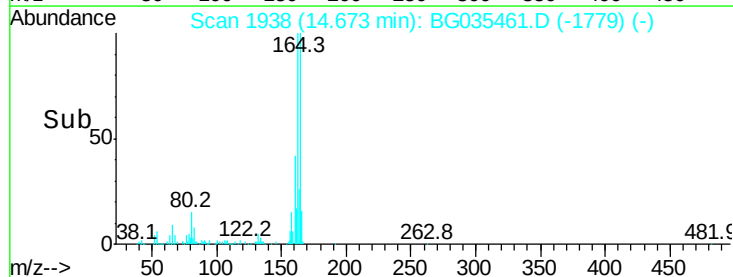
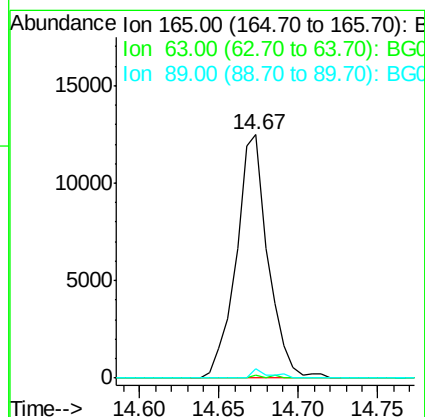
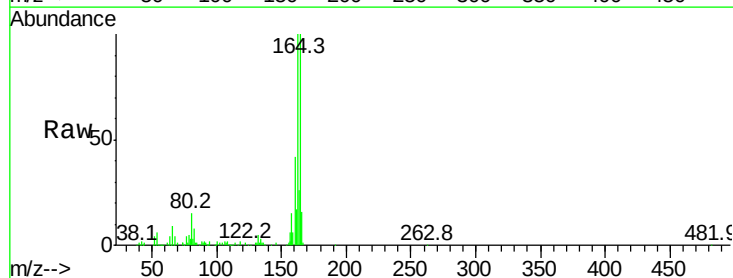
Instrument :
BNA_G
ClientSampleId :

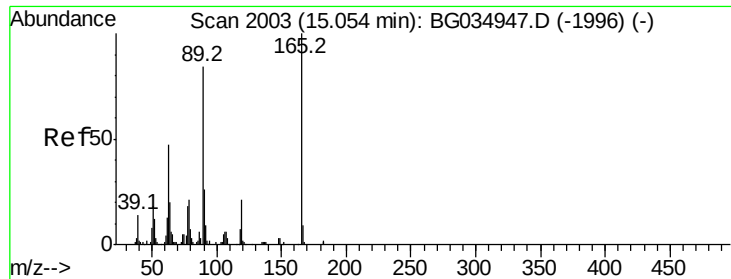
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.6	30.0	45.0
170	23.1	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 9.046 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.41 min
Lab File: BG035461.D
Acq: 28 Jun 2018 1:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	52.7	79.1#
89	4.1	49.2	73.8#

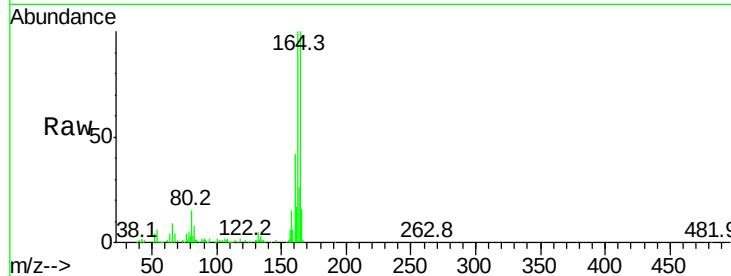




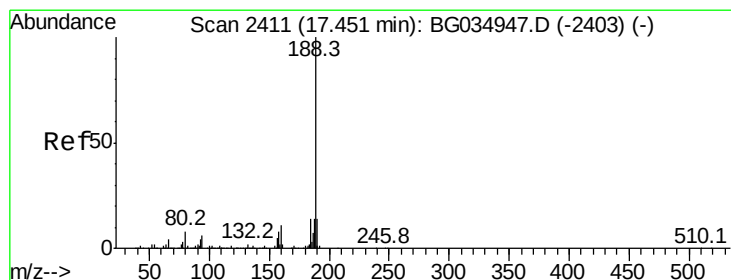
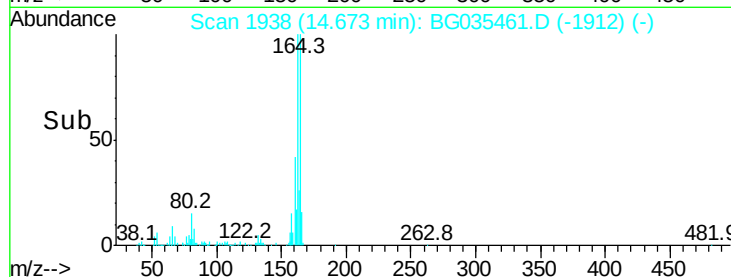
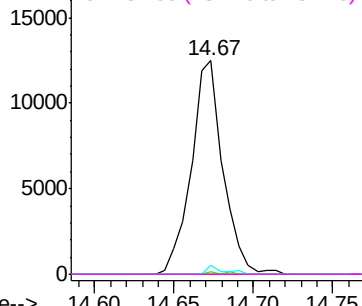
#56
 2,4-Dinitrotoluene
 Concen: 6.810 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035461.D
 Acq: 28 Jun 2018 1:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 17324
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.0 63.0#
 89 4.1 66.9 100.3#
 182 0.0 2.6 3.8#

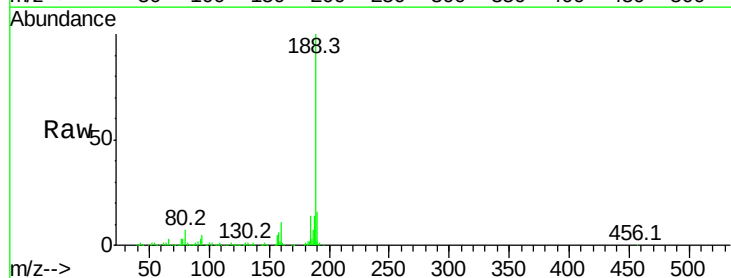


Abundance Ion 165.00 (164.70 to 165.70): E

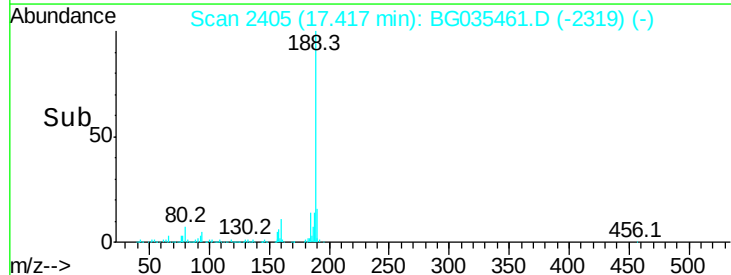
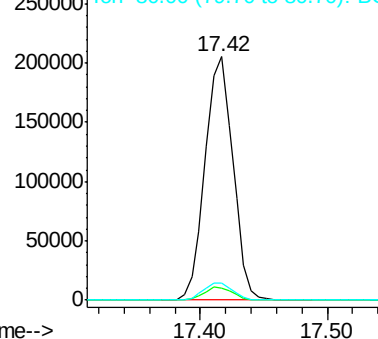


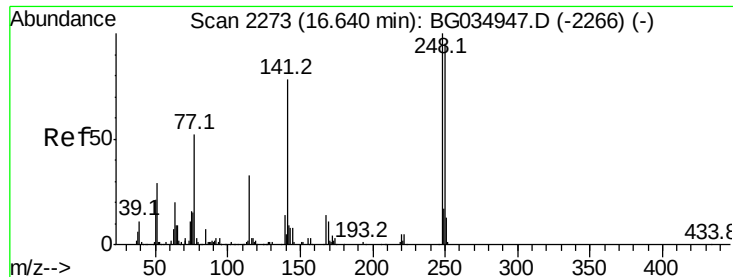
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035461.D
 Acq: 28 Jun 2018 1:21

Tgt Ion:188 Resp: 312453
 Ion Ratio Lower Upper
 188 100
 94 5.1 6.9 10.3#
 80 6.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

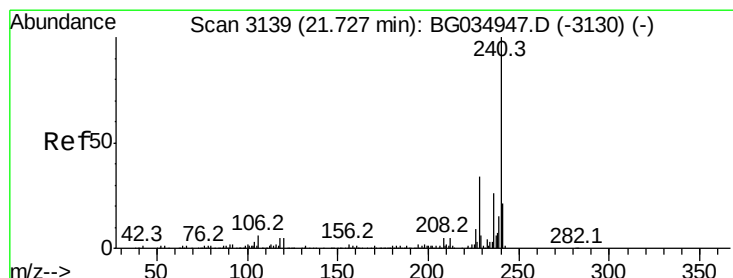
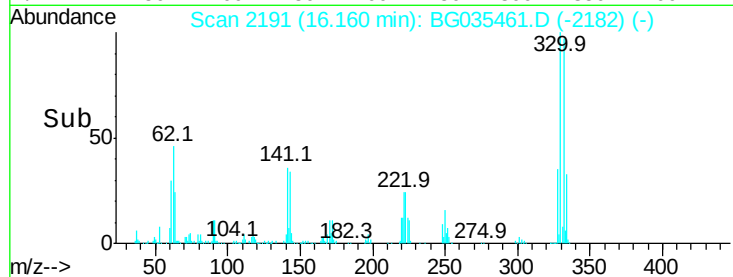
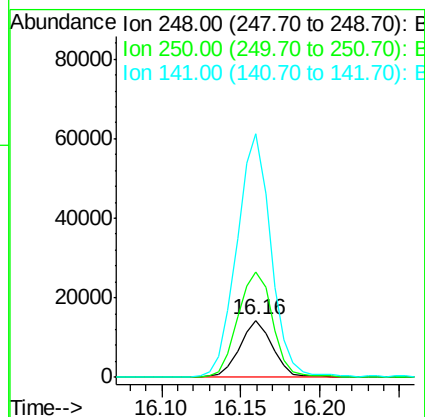
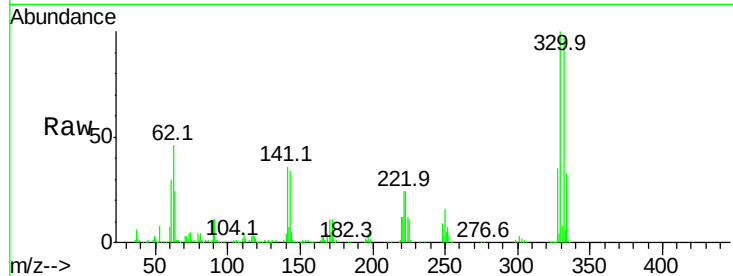




#66
 4-Bromophenyl-phenylether
 Concen: 5.453 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.48 min
 Lab File: BG035461.D
 Acq: 28 Jun 2018 1:21

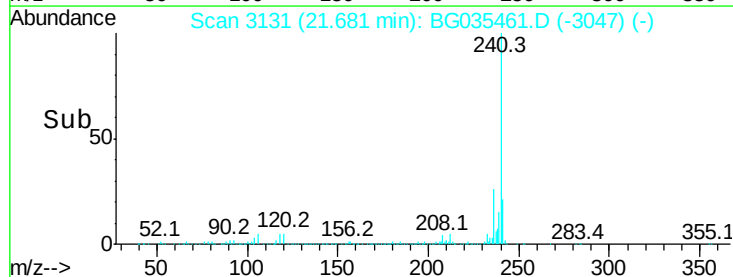
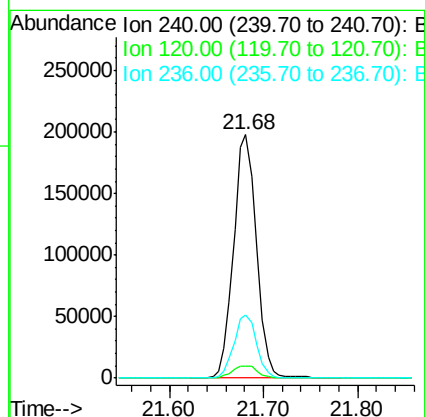
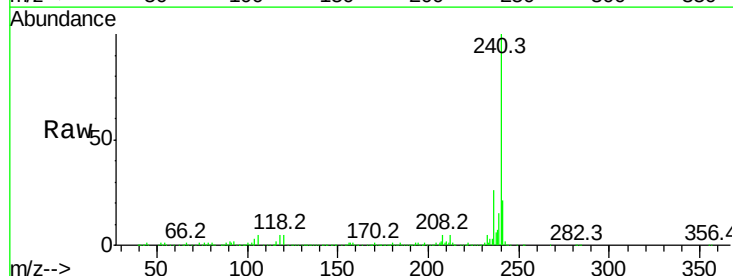
Instrument :
 BNA_G
 ClientSampleId :

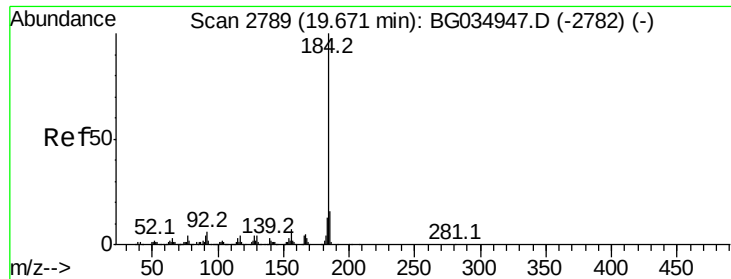
Tot Ion:248 Resp: 20519
 Ion Ratio Lower Upper
 248 100
 250 184.1 77.1 115.7#
 141 426.7 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.04 min
 Lab File: BG035461.D
 Acq: 28 Jun 2018 1:21

Tgt Ion:240 Resp: 334572
 Ion Ratio Lower Upper
 240 100
 120 4.7 6.8 10.2#
 236 26.0 20.9 31.3





#76

Benzidine

Concen: 2.042 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.35 min

Lab File: BG035461.D

Acq: 28 Jun 2018 1:21

Instrument :

BNA_G

ClientSampled :

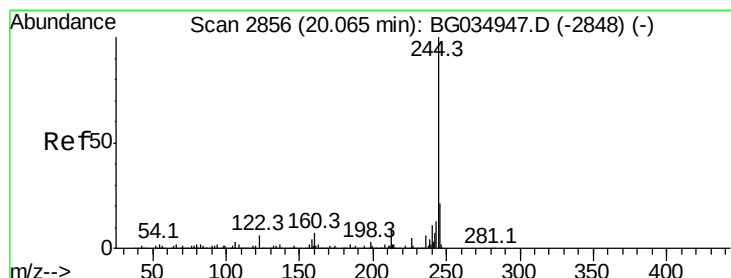
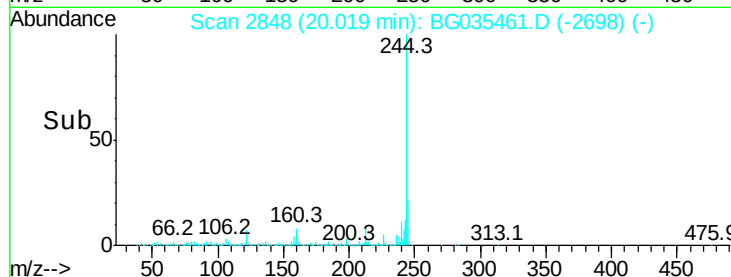
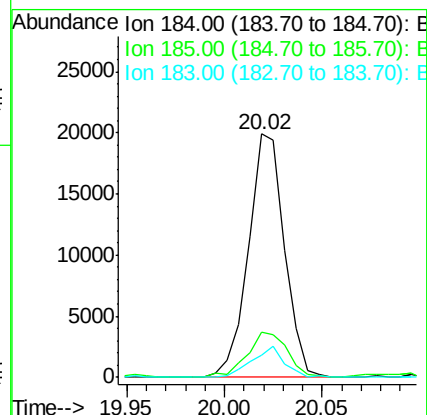
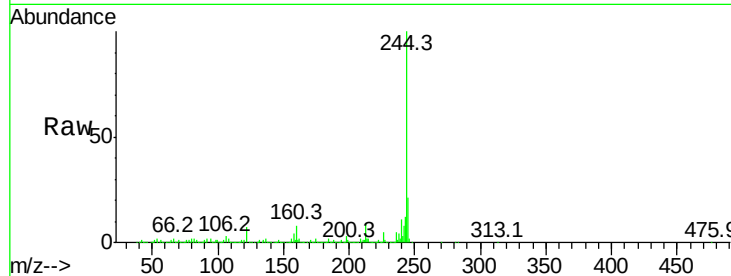
Tot Ion:184 Resp: 25412

Ion Ratio Lower Upper

184 100

185 18.6 11.1 16.7#

183 9.2 10.6 16.0#



#78

Terphenyl-d14

Concen: 95.451 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035461.D

Acq: 28 Jun 2018 1:21

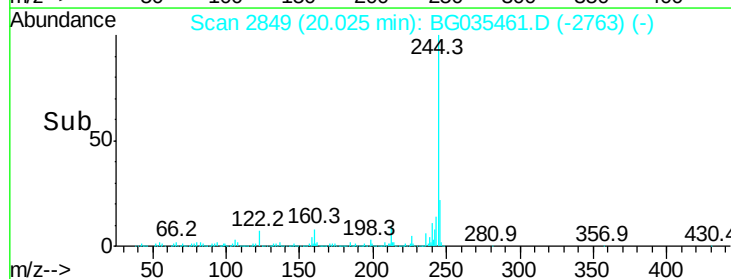
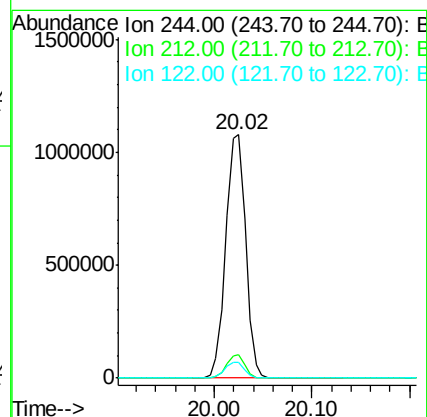
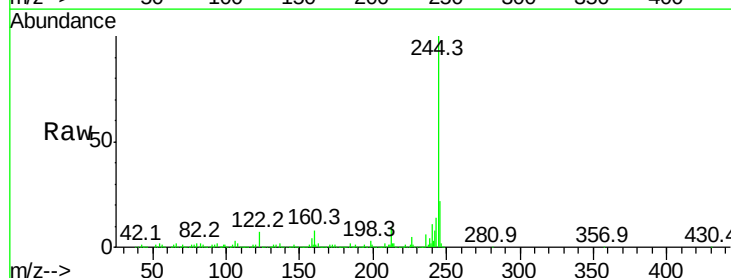
Tgt Ion:244 Resp: 1524584

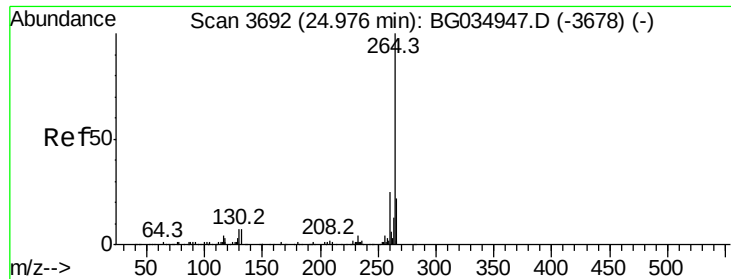
Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.8#

122 6.6 7.0 10.4#

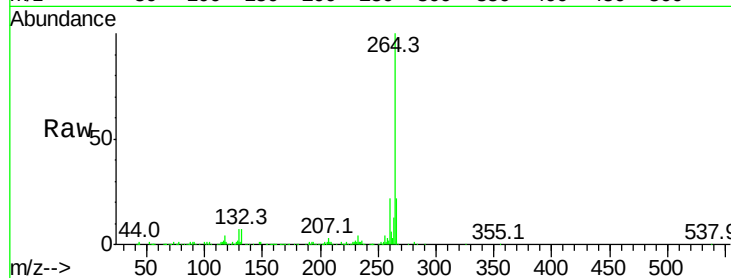




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3679
 Delta R.T. -0.05 min
 Lab File: BG035461.D
 Acq: 28 Jun 2018 1:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	21.7	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

