

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091118\
 Data File : BG036661.D
 Acq On : 11 Sep 2018 18:11
 Operator : JU/SJ
 Sample : J4841-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 11 18:46:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 31 13:03:20 2018
 Response via : Initial Calibration

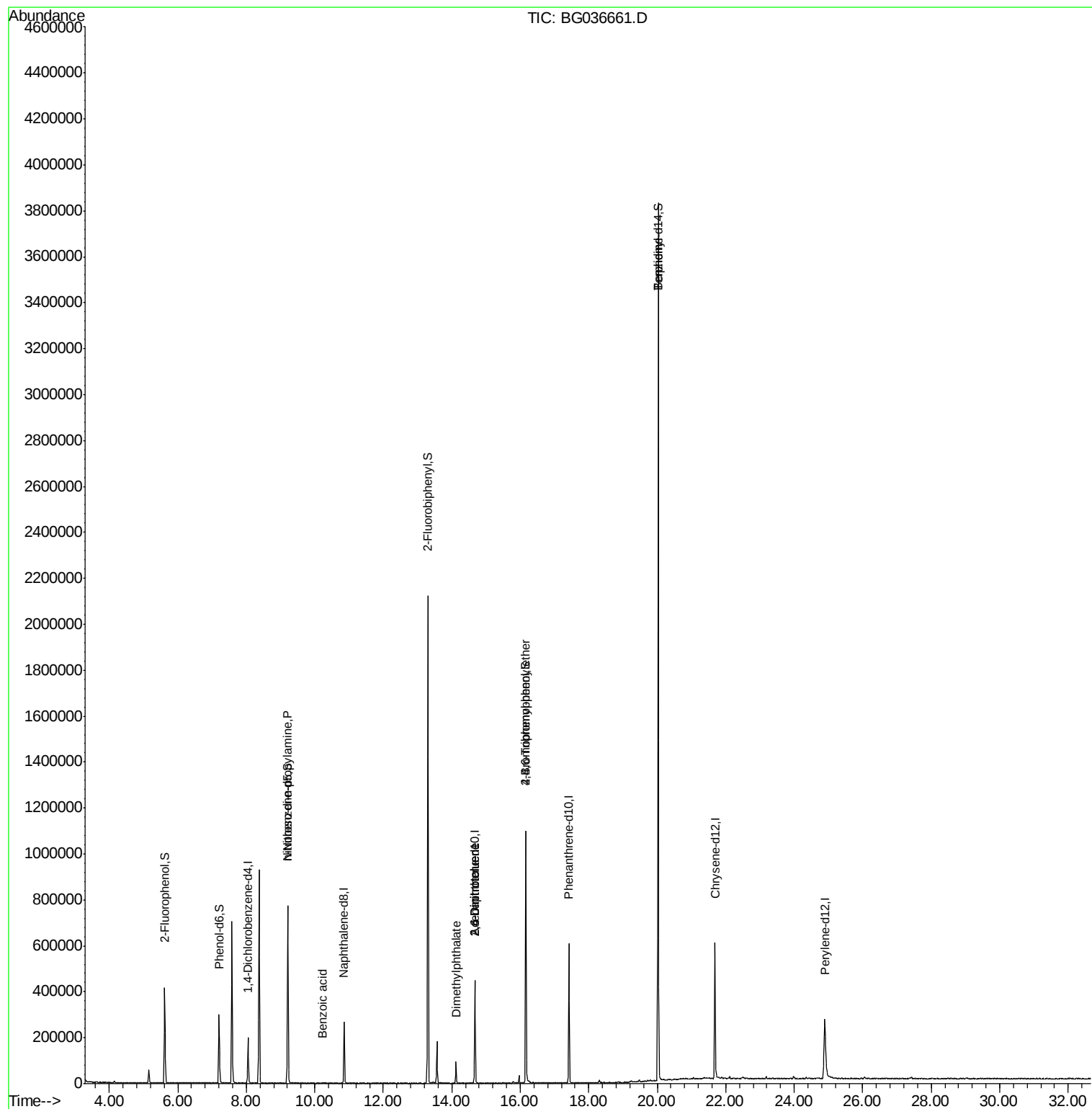
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	56166	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	231004	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	151310	20.00	ng	-0.01
63) Phenanthrene-d10	17.42	188	387227	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	394218	20.00	ng	-0.01
86) Perylene-d12	24.89	264	348388	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	177076	50.01	ng	0.00
7) Phenol-d6	7.21	99	175378	34.60	ng	-0.01
23) Nitrobenzene-d5	9.22	82	476409	111.90	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	206737	114.51	ng	-0.01
44) 2-Fluorobiphenyl	13.30	172	1122155	105.89	ng	-0.01
78) Terphenyl-d14	20.03	244	1740847	103.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	64826	17.110	ng	# 69
32) Benzoic acid	10.22	122	60	4.501	ng	# 1
49) Dimethylphthalate	14.12	163	61831	5.004	ng	# 98
50) 2,6-Dinitrotoluene	14.67	165	20017	7.873	ng	# 23
56) 2,4-Dinitrotoluene	14.67	165	20017	6.041	ng	# 21
66) 4-Bromophenyl-phenylether	16.16	248	14782	3.261	ng	# 1
76) Benzidine	20.03	184	31837	2.531	ng	# 92

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

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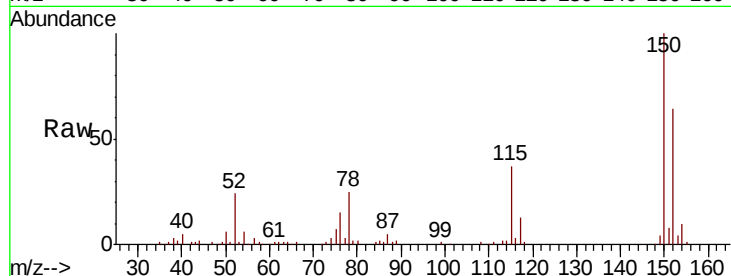


#1

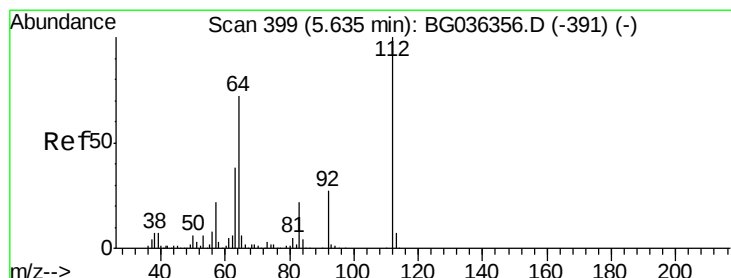
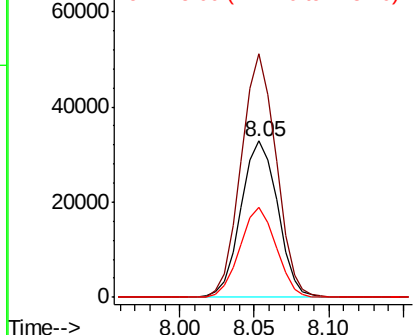
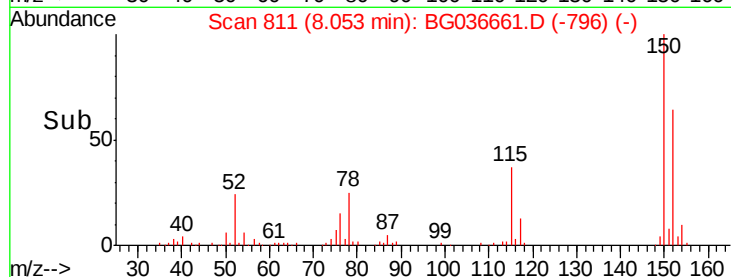
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BG036661.D
 Acq: 11 Sep 2018 18:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 56166
 Ion Ratio Lower Upper
 152 100
 150 155.8 119.5 179.3
 115 57.6 44.5 66.7



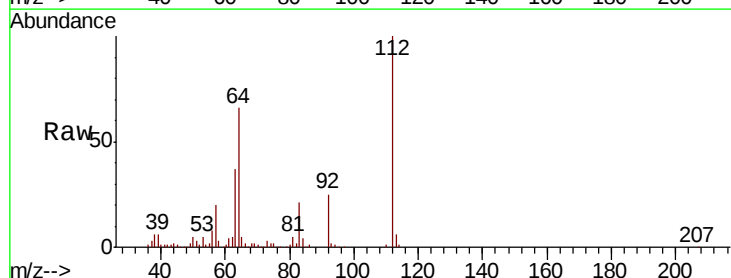
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



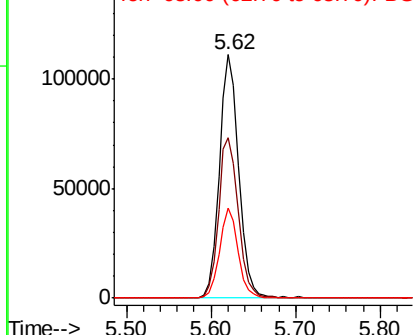
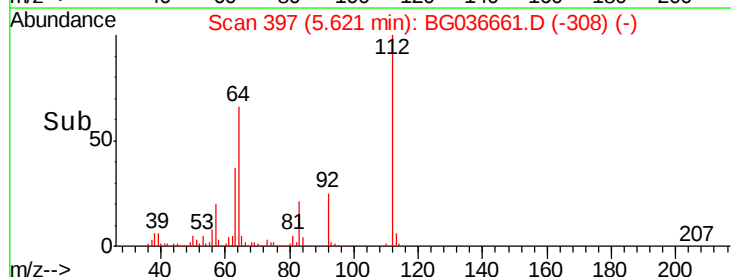
#5

2-Fluorophenol
 Concen: 50.012 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036661.D
 Acq: 11 Sep 2018 18:11

Tgt Ion:112 Resp: 177076
 Ion Ratio Lower Upper
 112 100
 64 65.7 57.2 85.8
 63 36.8 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: 34.595 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036661.D

Acq: 11 Sep 2018 18:11

Instrument :

BNA_G

ClientSampled :

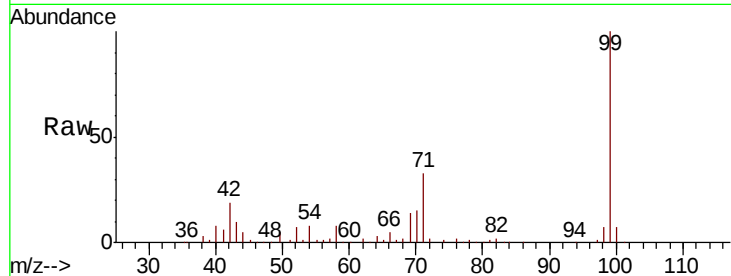
Tot Ion: 99 Resp: 175378

Ion Ratio Lower Upper

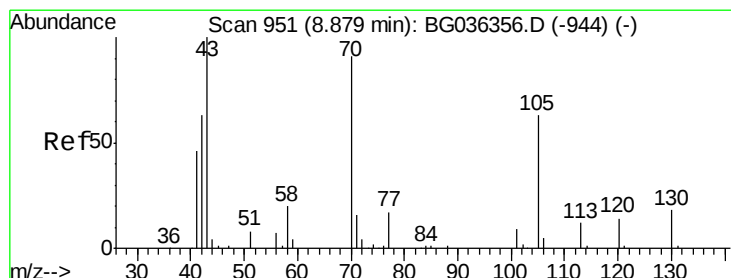
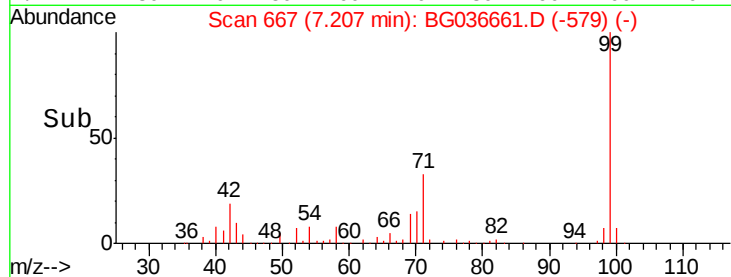
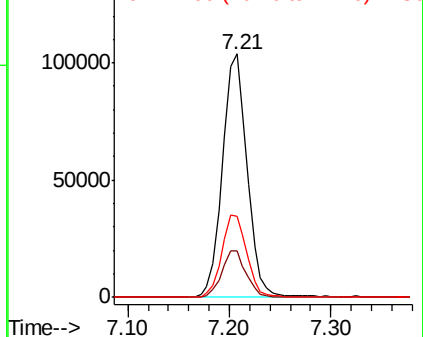
99 100

42 19.4 16.5 24.7

71 33.4 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: 17.110 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.35 min

Lab File: BG036661.D

Acq: 11 Sep 2018 18:11

Tgt Ion: 70 Resp: 64826

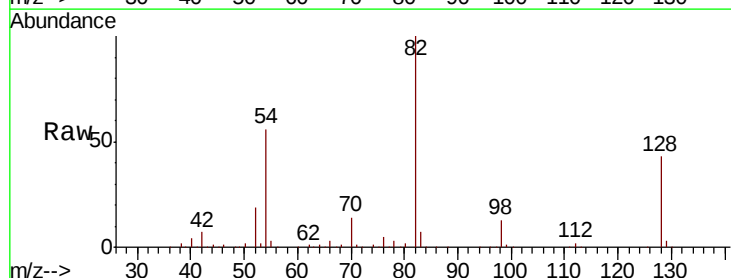
Ion Ratio Lower Upper

70 100

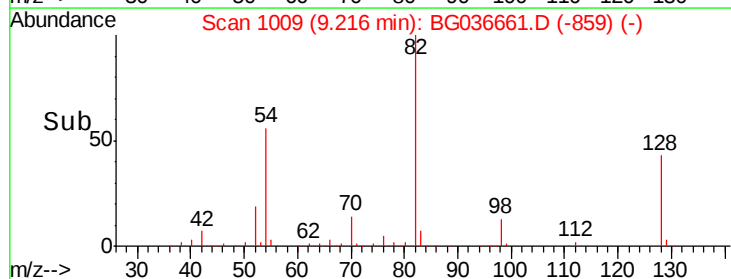
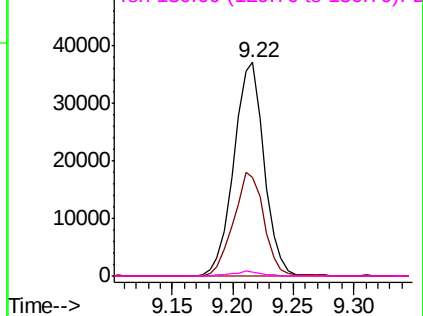
42 46.5 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 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

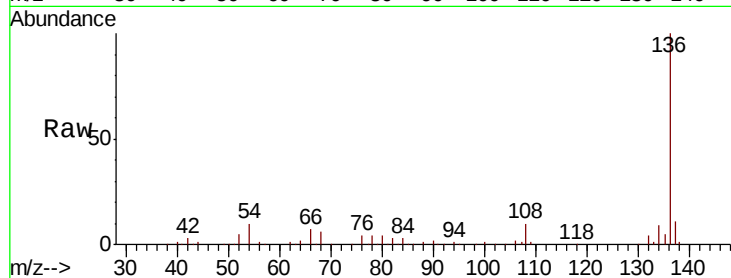




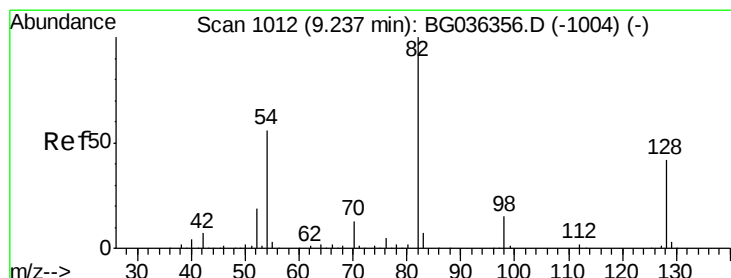
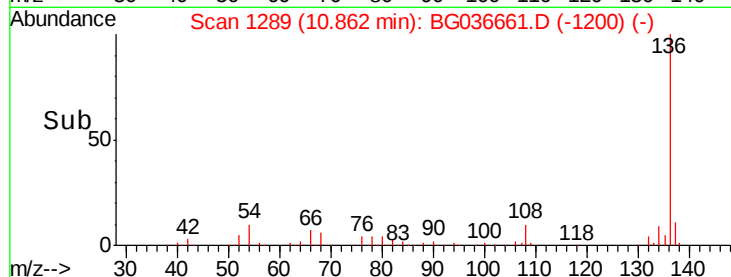
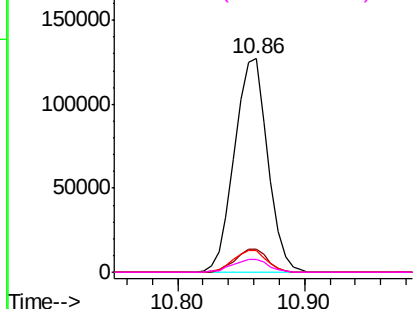
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	231004
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	10.3	9.2 13.8
68	5.9	5.8 8.6

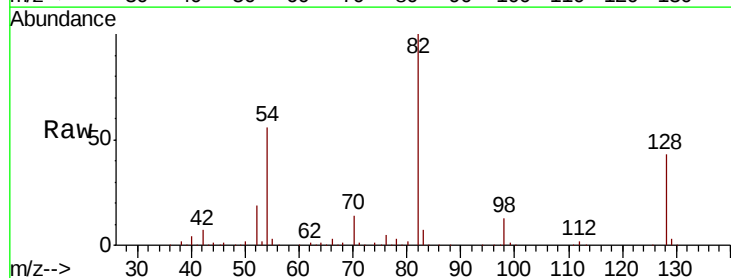


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

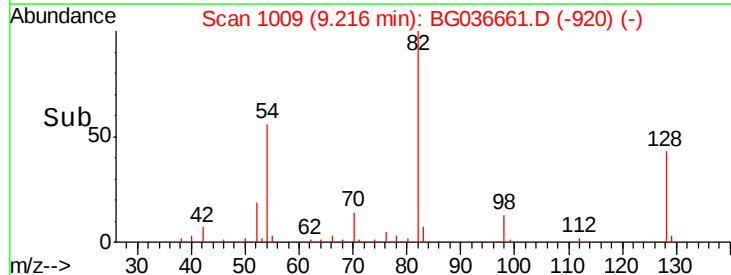
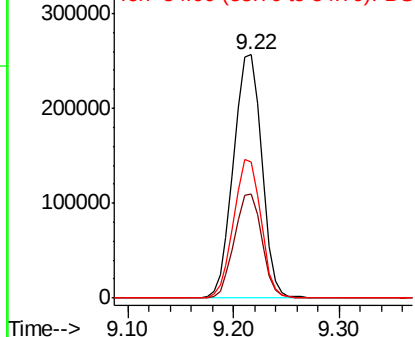


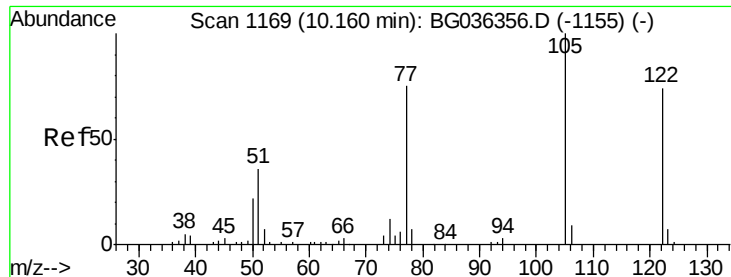
#23
Nitrobenzene-d5
Concen: 111.896 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Tgt Ion: 82	Resp:	476409
Ion	Ratio	Lower Upper
82	100	
128	42.8	33.3 49.9
54	56.1	45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

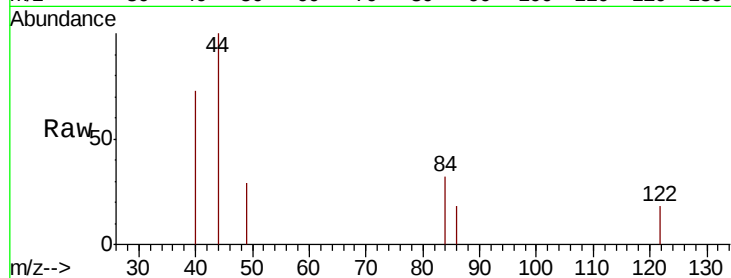




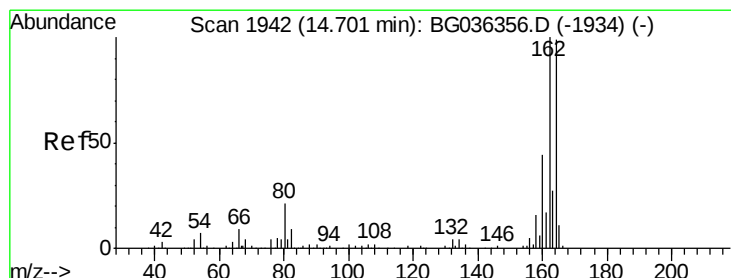
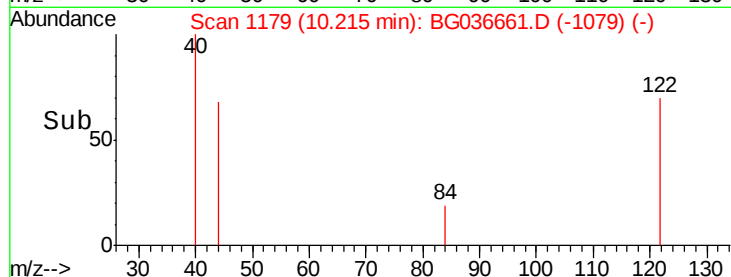
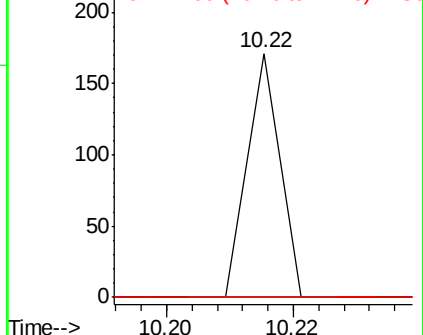
#32
Benzoic acid
Concen: 4.501 ng
RT: 10.22 min Scan# 1179
Delta R.T. 0.06 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 108.1 148.1#
77 0.0 76.3 116.3#

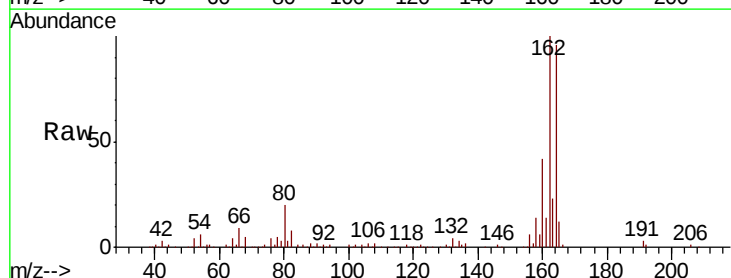


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

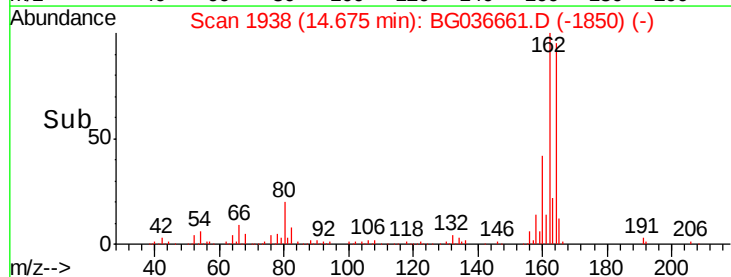
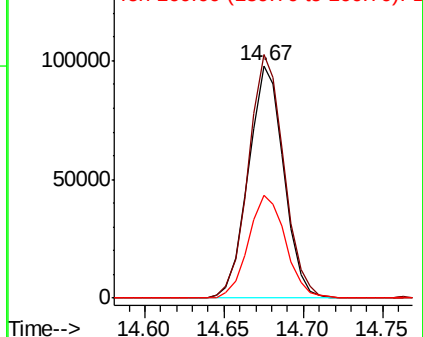


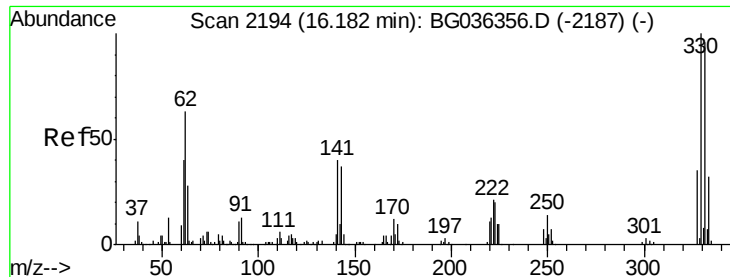
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Tgt Ion:164 Resp: 151310
Ion Ratio Lower Upper
164 100
162 104.7 80.7 121.1
160 44.5 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

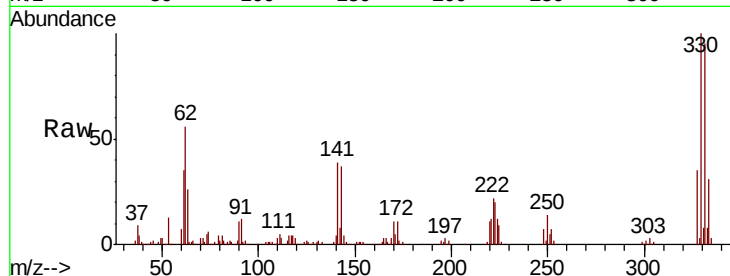




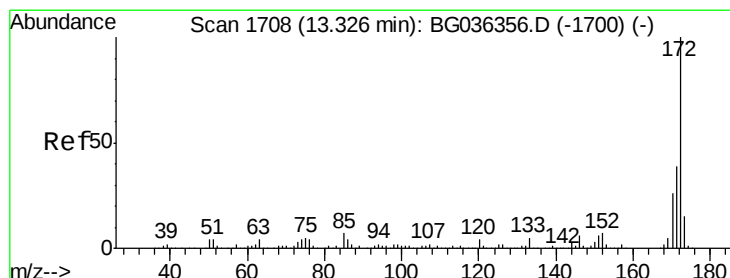
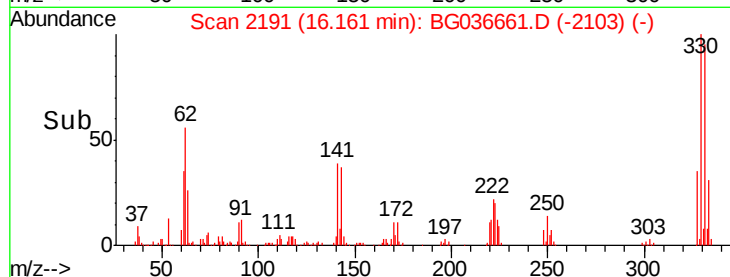
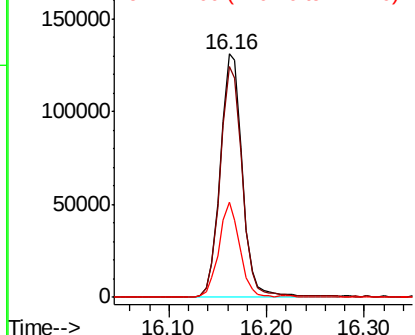
#41
 2,4,6-Tribromophenol
 Concen: 114.506 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036661.D
 Acq: 11 Sep 2018 18:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.4	113.2
141	37.1	30.7	46.1

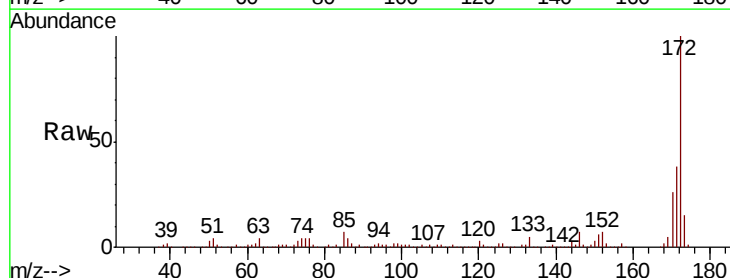


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

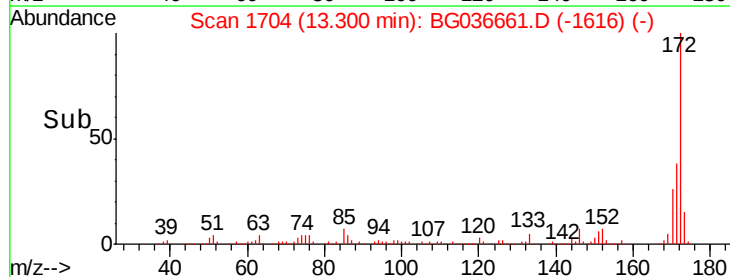
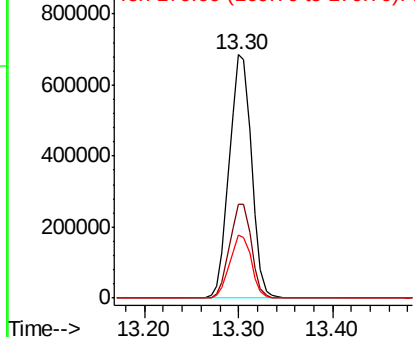


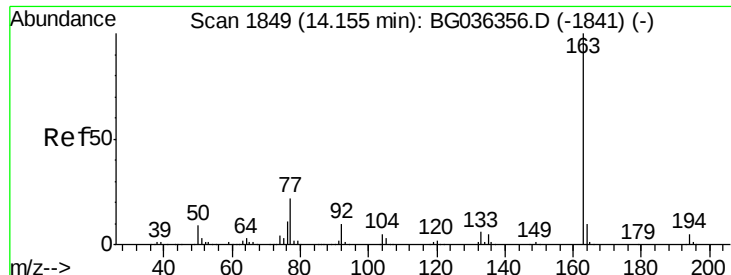
#44
 2-Fluorobiphenyl
 Concen: 105.891 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036661.D
 Acq: 11 Sep 2018 18:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.3	46.9
170	25.7	21.0	31.6



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

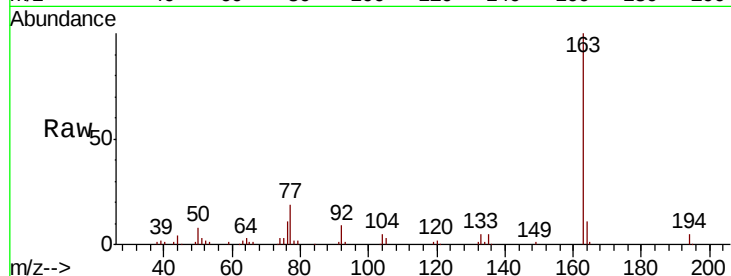




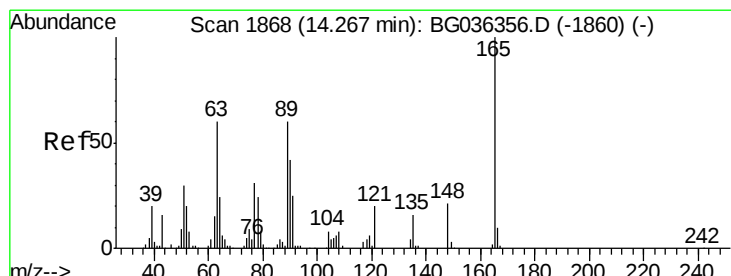
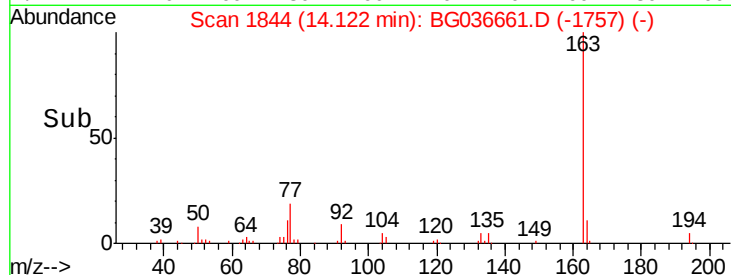
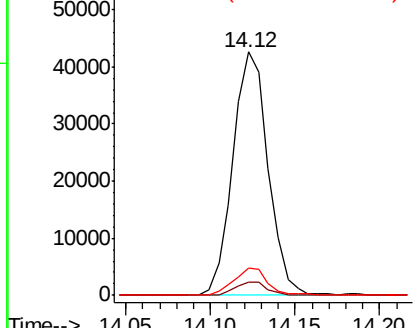
#49
Dimethylphthalate
Concen: 5.004 ng
RT: 14.12 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 61831
Ion Ratio Lower Upper
163 100
194 5.5 4.0 6.0
164 11.0 8.1 12.1

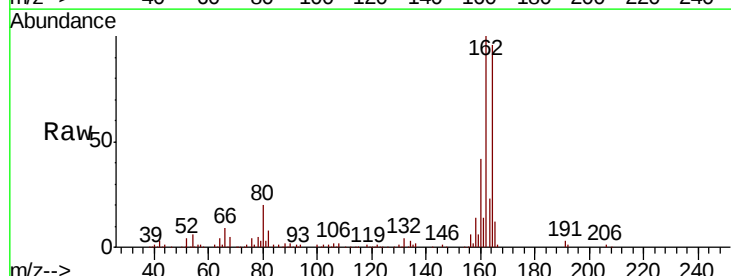


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

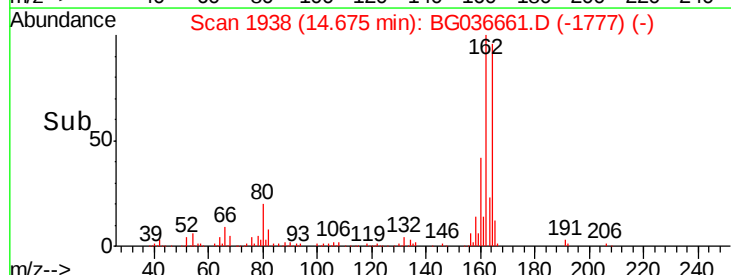
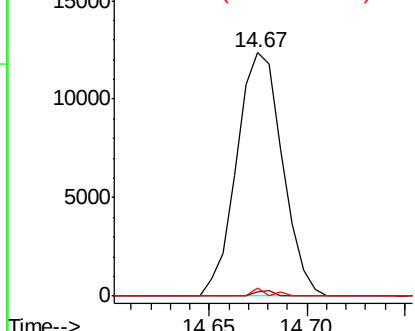


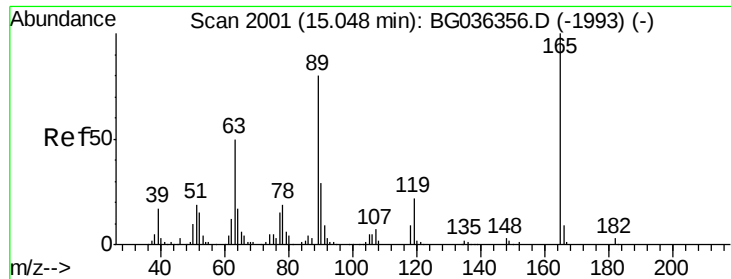
#50
2,6-Dinitrotoluene
Concen: 7.873 ng
RT: 14.67 min Scan# 1938
Delta R.T. 0.42 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Tgt Ion:165 Resp: 20017
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 3.3 47.8 71.6#



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

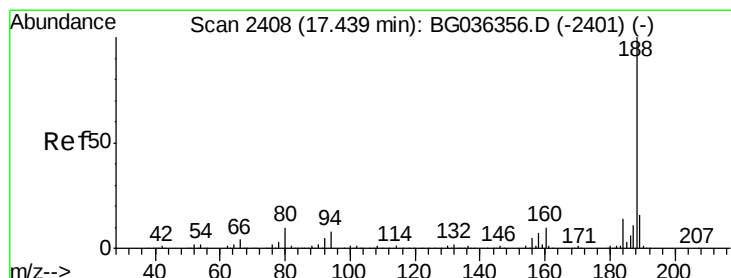
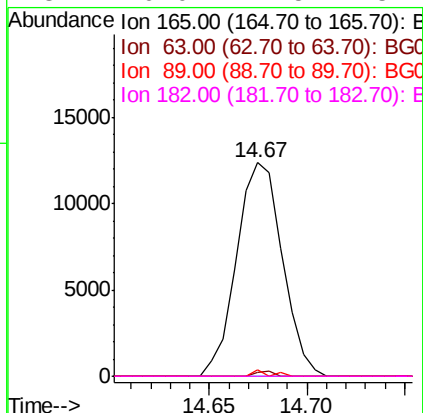
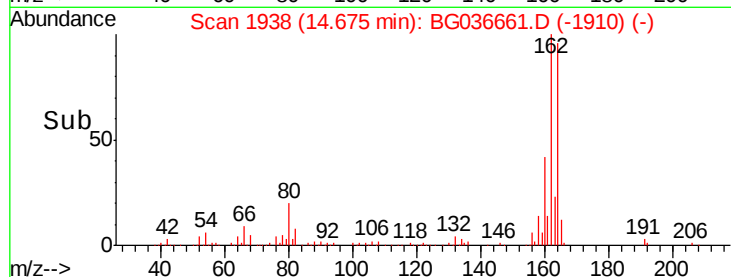
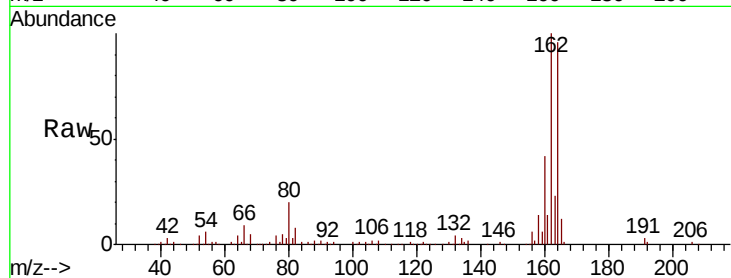




#56
 2,4-Dinitrotoluene
 Concen: 6.041 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036661.D
 Acq: 11 Sep 2018 18:11

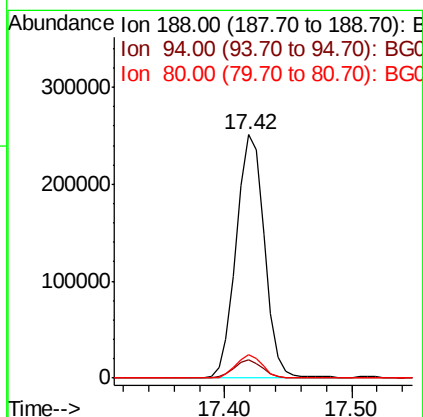
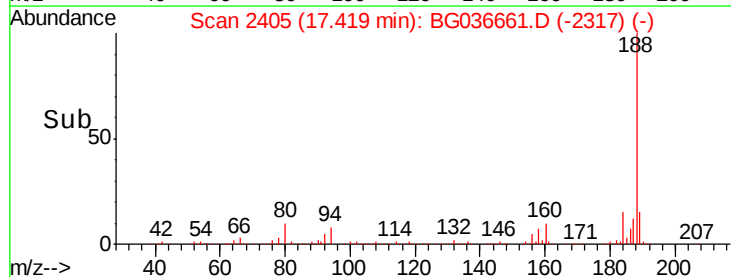
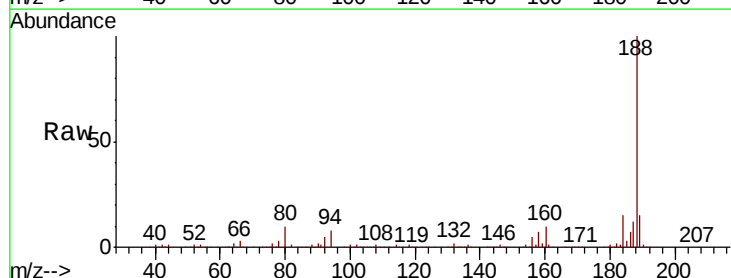
Instrument :
 BNA_G
 ClientSampleId :

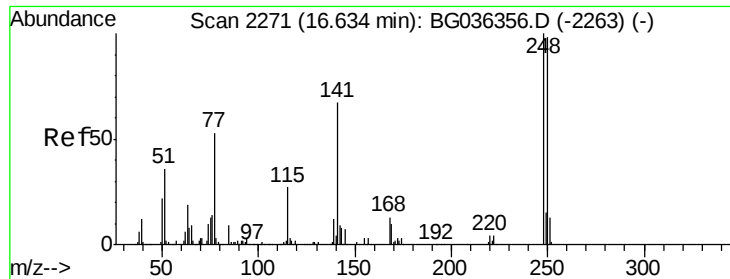
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.1	60.1#
89	3.3	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036661.D
 Acq: 11 Sep 2018 18:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.7	10.1
80	9.6	8.1	12.1

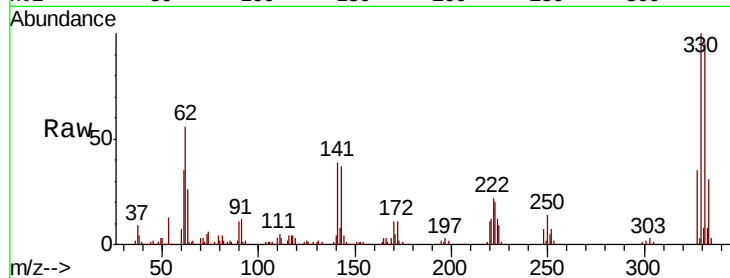




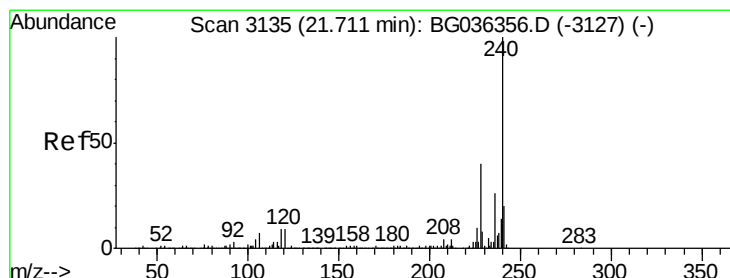
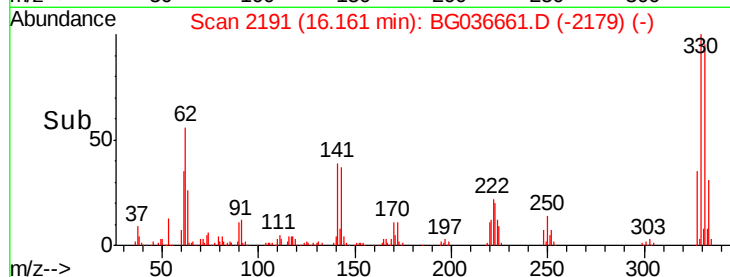
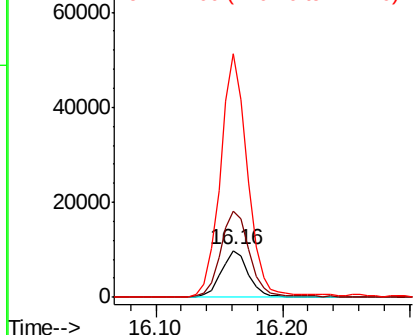
#66
4-Bromophenyl-phenylether
Concen: 3.261 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14782
Ion Ratio Lower Upper
248 100
250 184.8 78.1 117.1#
141 522.2 53.7 80.5#

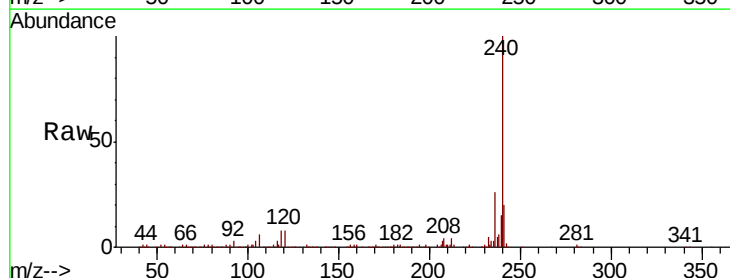


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

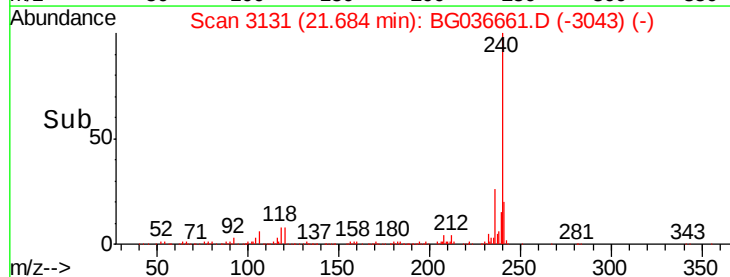
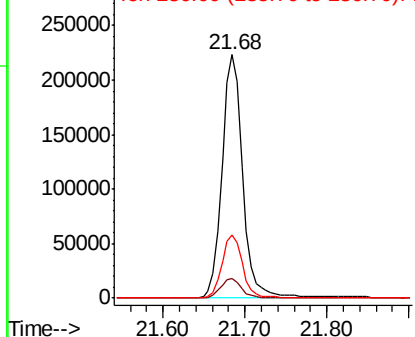


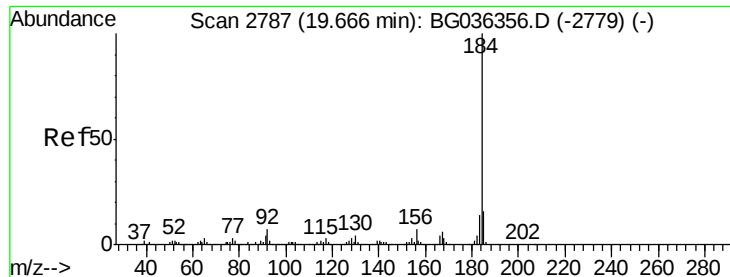
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Tgt Ion:240 Resp: 394218
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 25.7 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: 2.531 ng

RT: 20.03 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG036661.D

Acq: 11 Sep 2018 18:11

Instrument :

BNA_G

ClientSampleId :

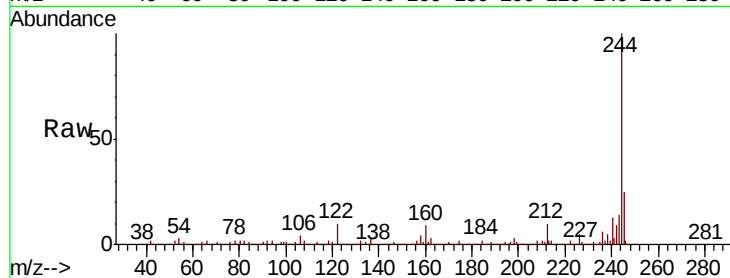
Tot Ion:184 Resp: 31837

Ion Ratio Lower Upper

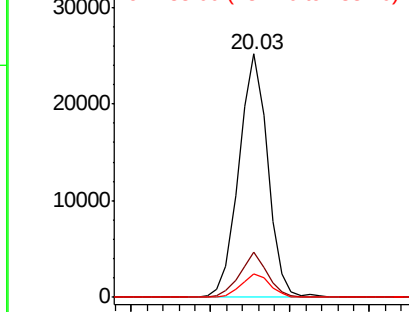
184 100

185 18.5 12.6 18.8

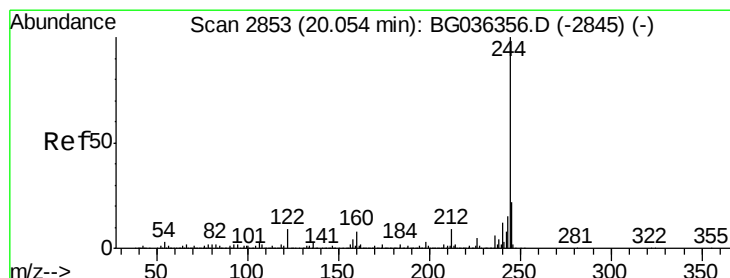
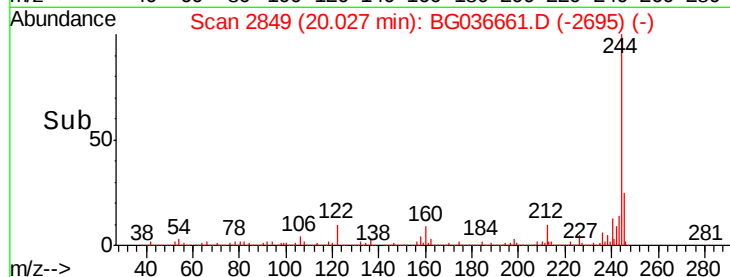
183 9.8 10.9 16.3#



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



Time--> 19.95 20.00 20.05 20.10



#78

Terphenyl-d14

Concen: 103.216 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036661.D

Acq: 11 Sep 2018 18:11

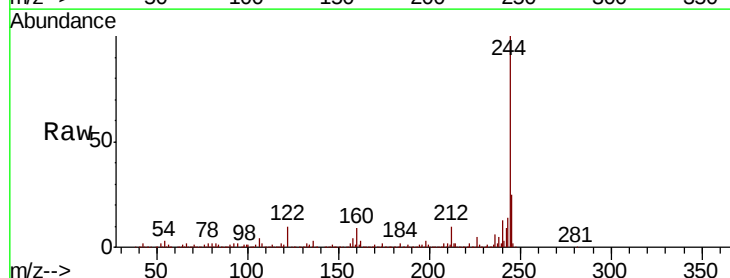
Tgt Ion:244 Resp: 1740847

Ion Ratio Lower Upper

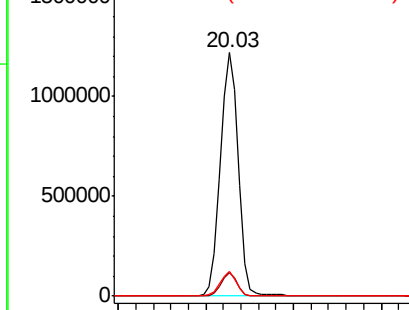
244 100

212 9.7 7.0 10.6

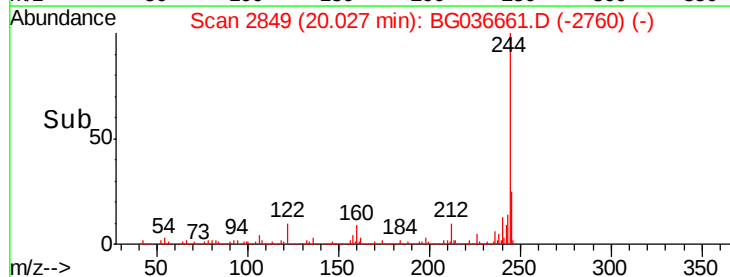
122 9.9 7.1 10.7

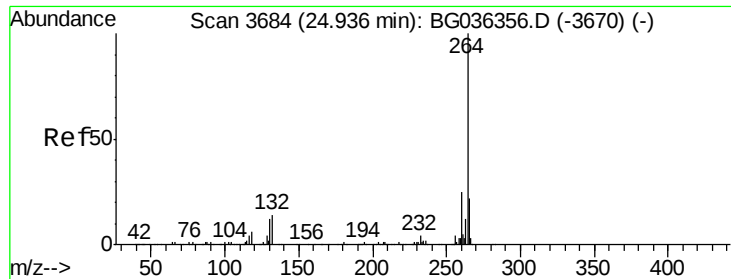


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 19.90 20.00 20.10 20.20





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3677
Delta R.T. -0.01 min
Lab File: BG036661.D
Acq: 11 Sep 2018 18:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.3	19.6	29.4	
265	22.9	17.4	26.0	

