

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082718\
 Data File : BG036433.D
 Acq On : 27 Aug 2018 16:03
 Operator : JU/SJ
 Sample : J4522-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 27 17:36:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

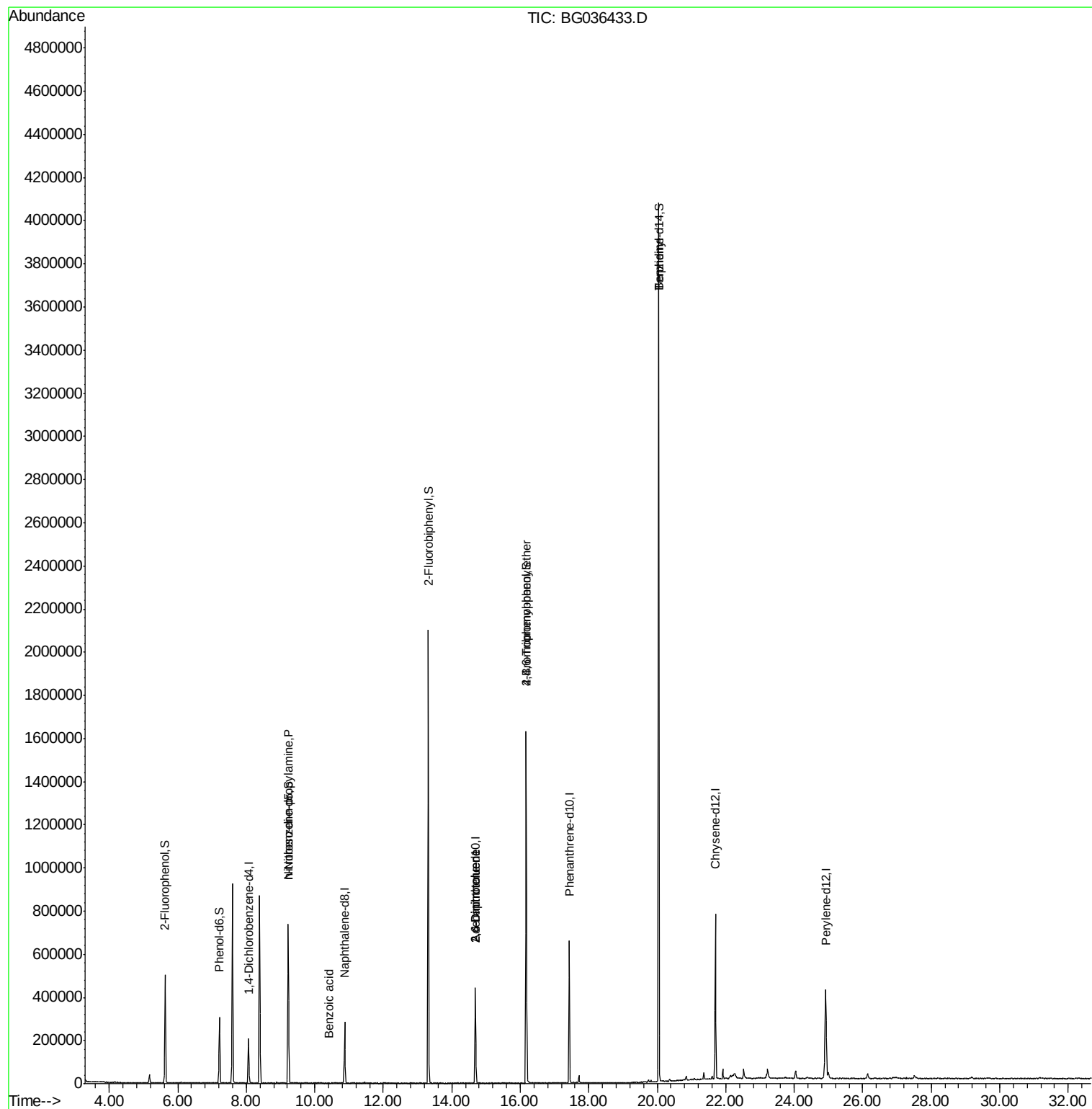
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	58498	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	236358	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	156645	20.00	ng	-0.02
63) Phenanthrene-d10	17.43	188	408307	20.00	ng	0.00
75) Chrysene-d12	21.69	240	450544	20.00	ng	-0.02
86) Perylene-d12	24.91	264	451111	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	210662	57.13	ng	0.00
7) Phenol-d6	7.22	99	179199	33.94	ng	0.00
23) Nitrobenzene-d5	9.23	82	438027	100.55	ng	0.00
41) 2,4,6-Tribromophenol	16.17	330	294067	157.33	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	1066357	97.20	ng	0.00
78) Terphenyl-d14	20.04	244	1873773	97.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	57272	14.514	ng	# 71
32) Benzoic acid	10.41	122	55	4.499	ng	# 1
50) 2,6-Dinitrotoluene	14.69	165	20185	7.669	ng	# 21
56) 2,4-Dinitrotoluene	14.69	165	20185	5.884	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	20695	4.329	ng	# 1
76) Benzidine	20.04	184	34324	2.388	ng	96

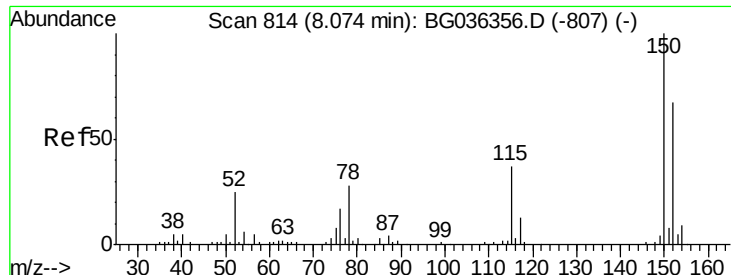
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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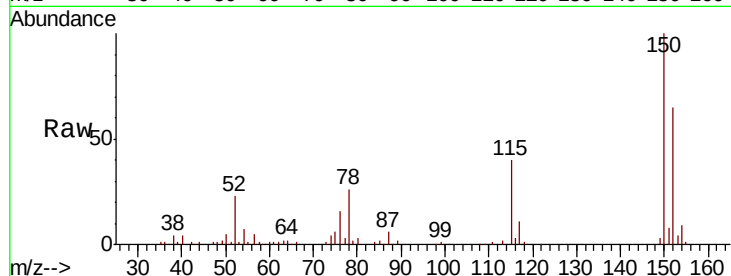




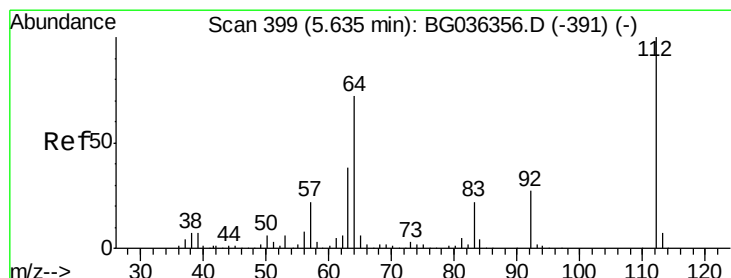
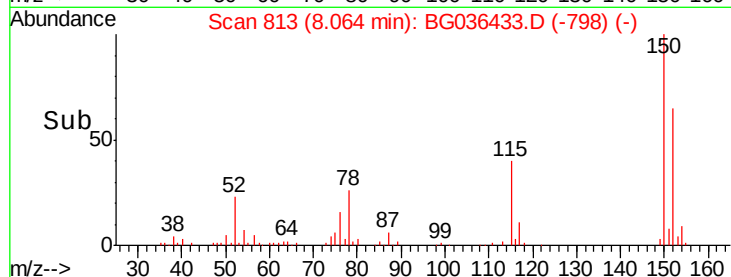
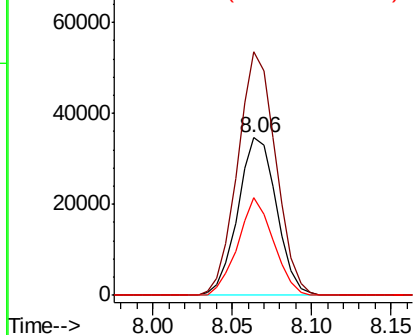
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 58498
 Ion Ratio Lower Upper
 152 100
 150 154.7 119.5 179.3
 115 61.9 44.5 66.7

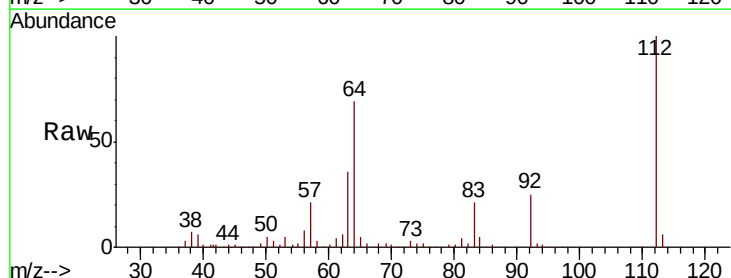


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

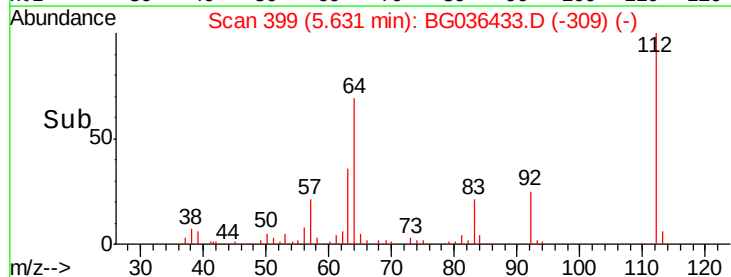
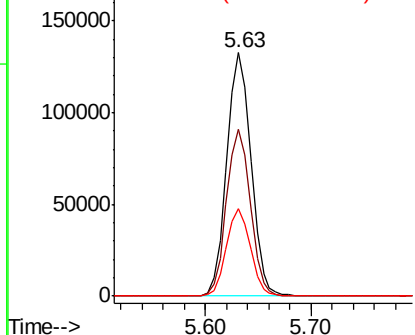


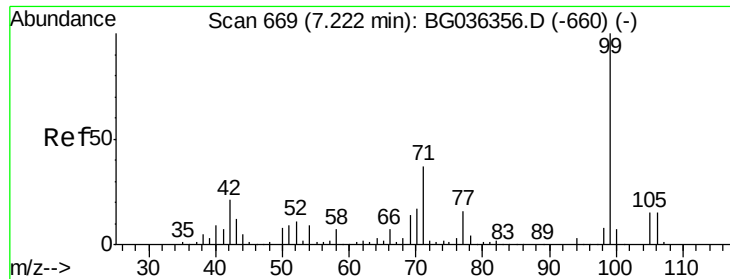
#5
 2-Fluorophenol
 Concen: 57.125 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Tgt Ion:112 Resp: 210662
 Ion Ratio Lower Upper
 112 100
 64 68.6 57.2 85.8
 63 36.2 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: 33.940 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036433.D

Acq: 27 Aug 2018 16:03

Instrument :

BNA_G

ClientSampled :

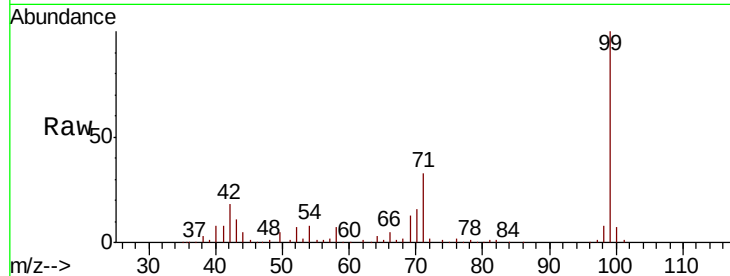
Tot Ion: 99 Resp: 179199

Ion Ratio Lower Upper

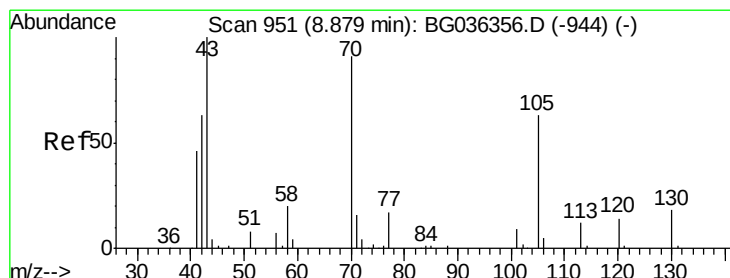
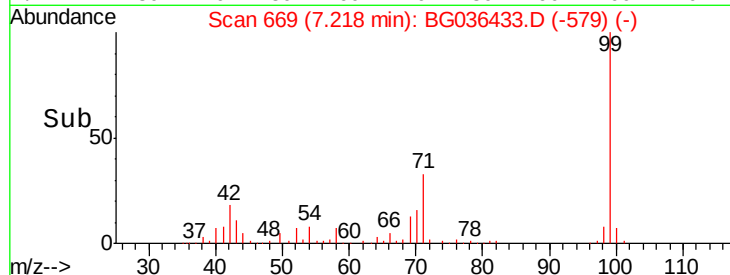
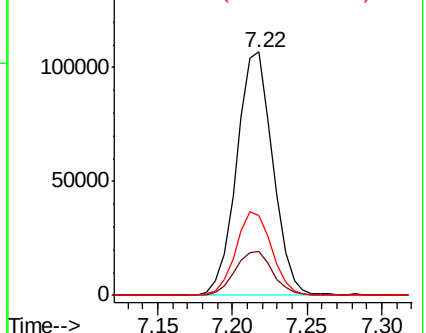
99 100

42 18.0 16.5 24.7

71 32.5 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: 14.514 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036433.D

Acq: 27 Aug 2018 16:03

Tgt Ion: 70 Resp: 57272

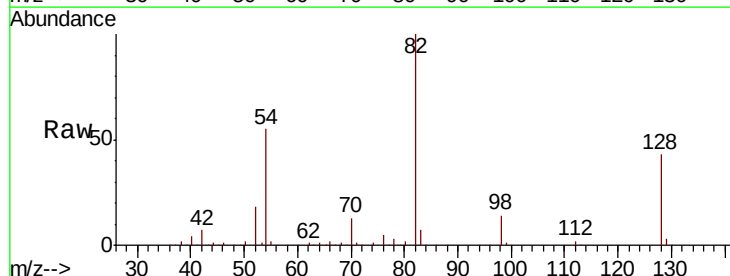
Ion Ratio Lower Upper

70 100

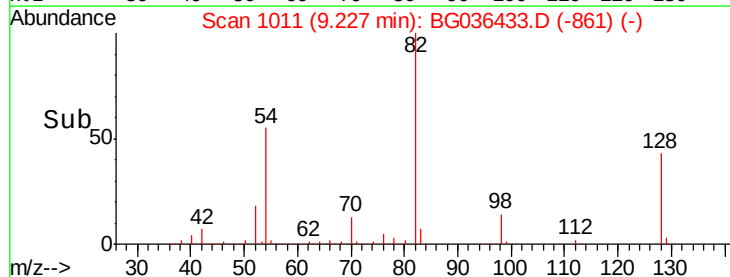
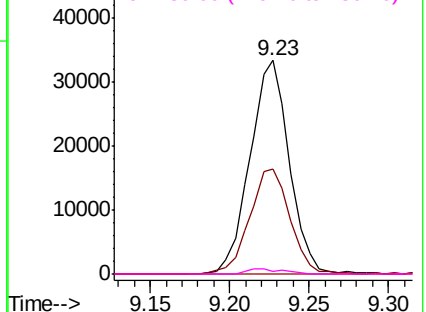
42 49.1 56.2 84.4#

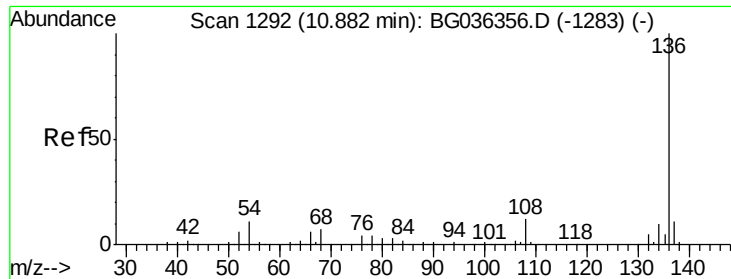
101 0.0 7.8 11.6#

130 1.1 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

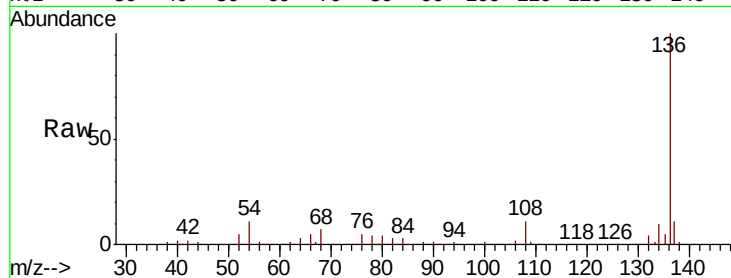




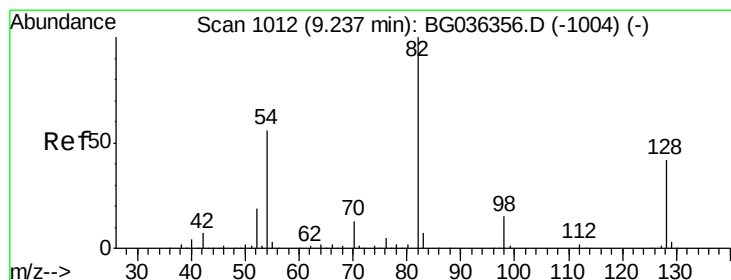
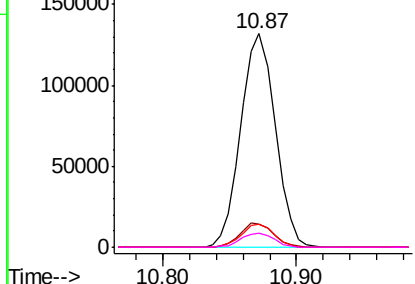
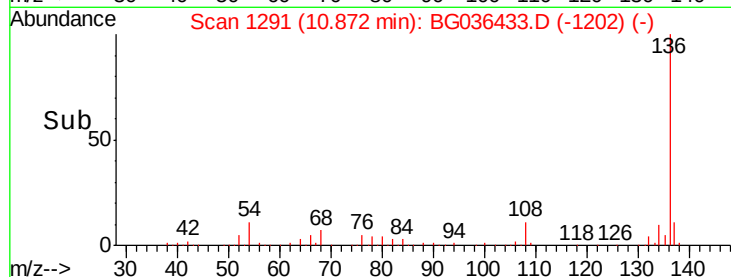
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BG036433.D
Acq: 27 Aug 2018 16:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	236358
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	10.7	9.2 13.8
68	6.8	5.8 8.6

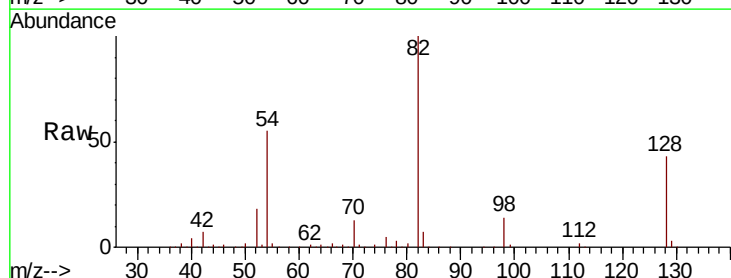


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

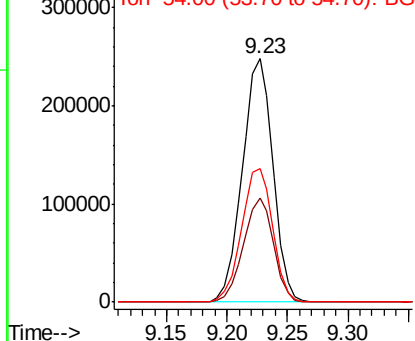
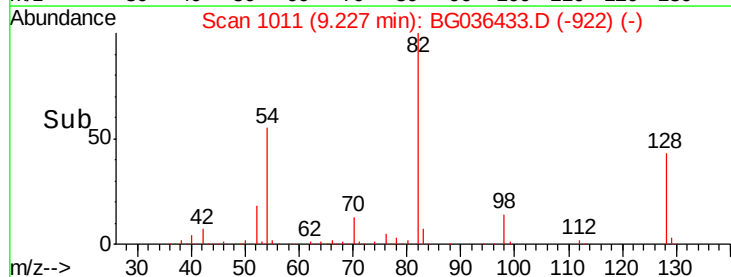


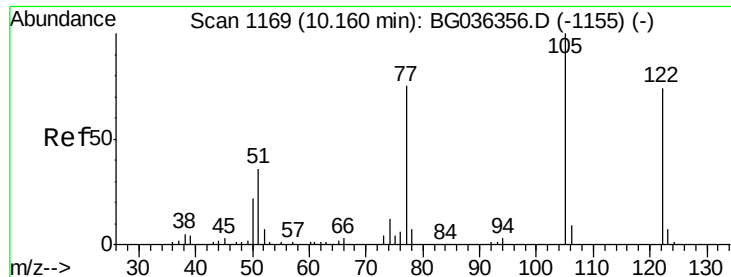
#23
Nitrobenzene-d5
Concen: 100.550 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036433.D
Acq: 27 Aug 2018 16:03

Tgt Ion: 82	Resp:	438027
Ion Ratio	Lower	Upper
82	100	
128	42.8	33.3 49.9
54	54.9	45.1 67.7



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





#32

Benzoic acid

Concen: 4.499 ng

RT: 10.41 min Scan# 1212

Delta R.T. 0.25 min

Lab File: BG036433.D

Acq: 27 Aug 2018 16:03

Instrument :

BNA_G

ClientSampleId :

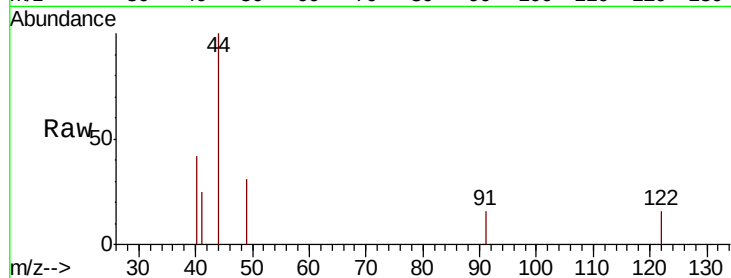
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

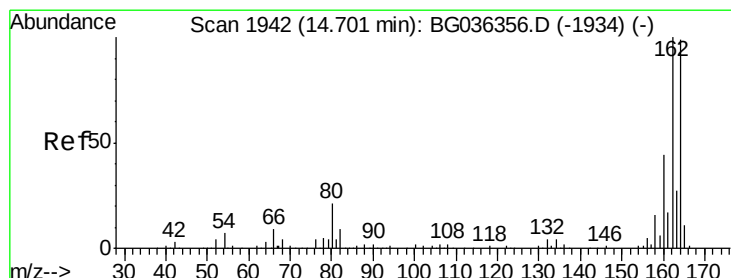
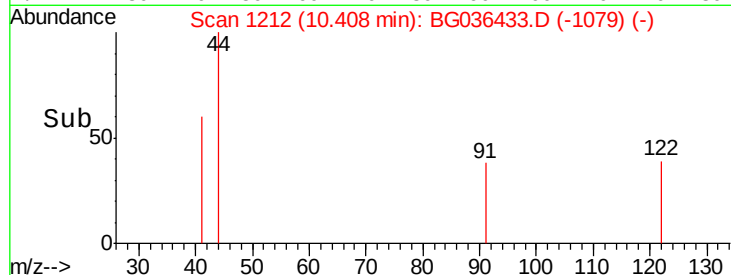
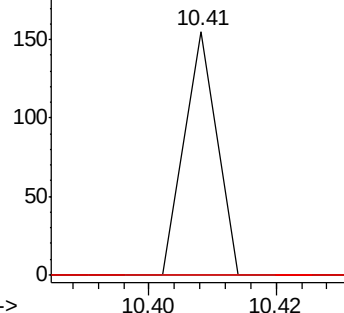
122 100

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: 14.69 min Scan# 1940

Delta R.T. -0.02 min

Lab File: BG036433.D

Acq: 27 Aug 2018 16:03

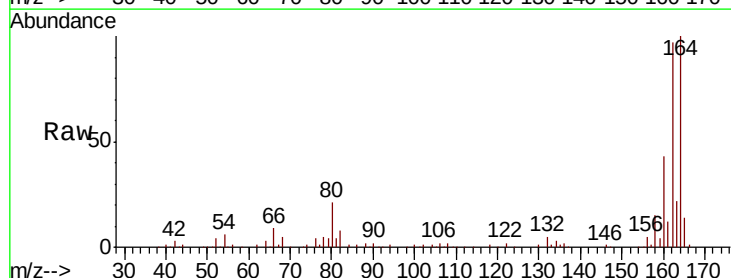
Tgt Ion:164 Resp: 156645

Ion Ratio Lower Upper

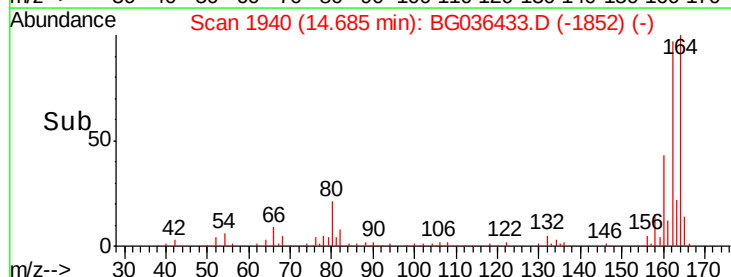
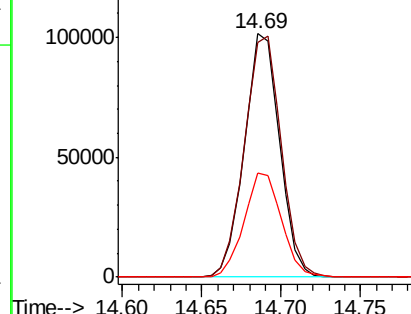
164 100

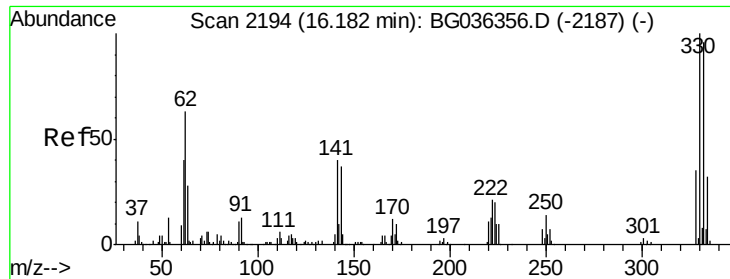
162 96.6 80.7 121.1

160 42.9 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

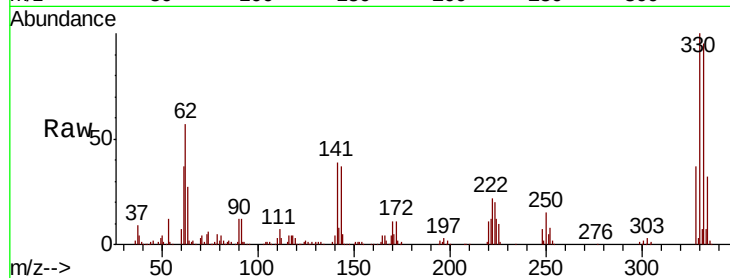




#41
 2,4,6-Tribromophenol
 Concen: 157.329 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.2
141	37.7	30.7	46.1

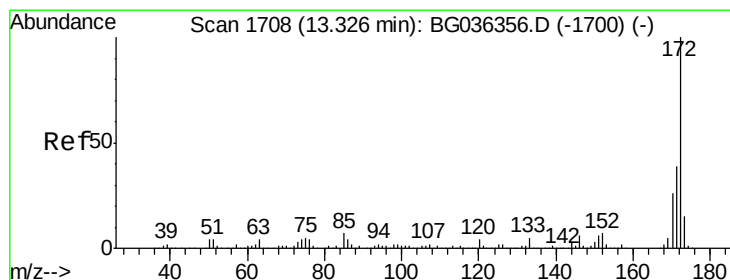
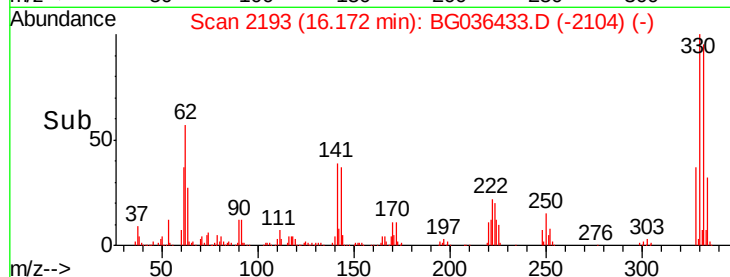
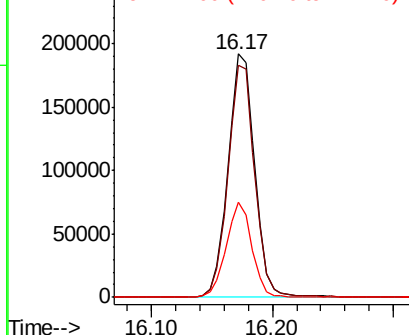


Abundance

Ion 329.80 (329.50 to 330.50): E

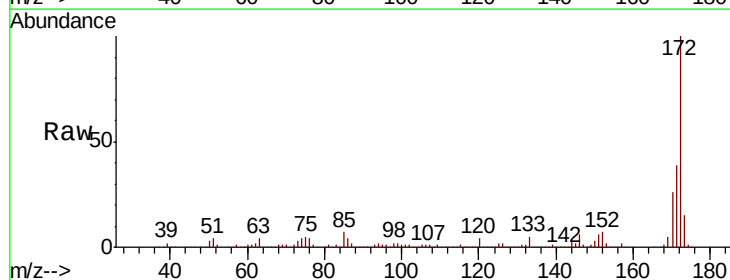
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 97.198 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.3	46.9
170	25.5	21.0	31.6

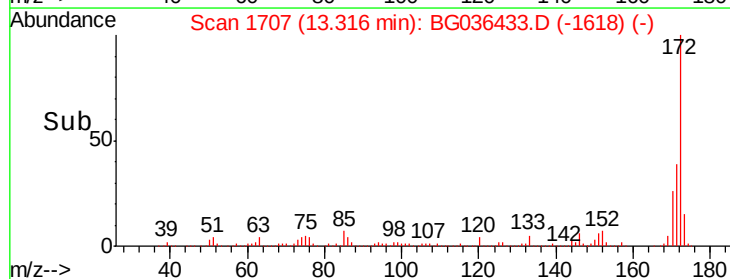
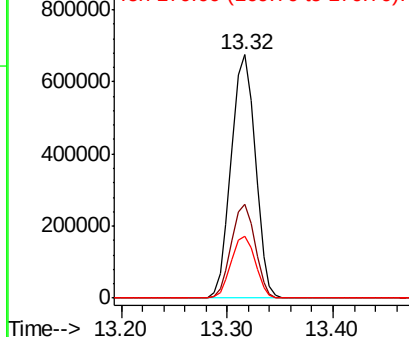


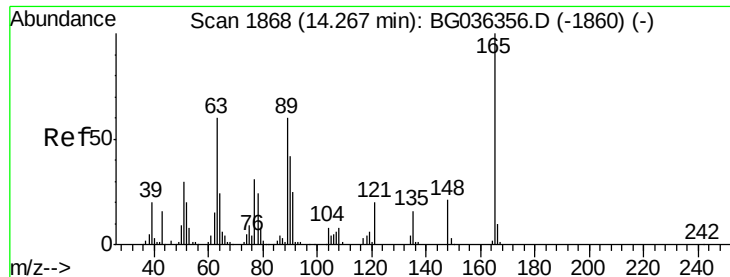
Abundance

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

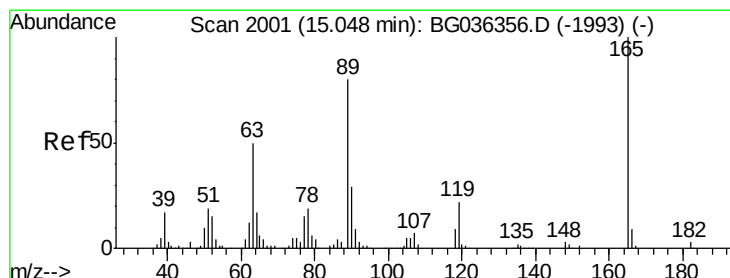
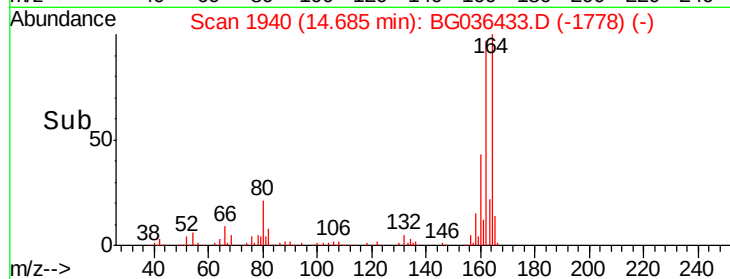
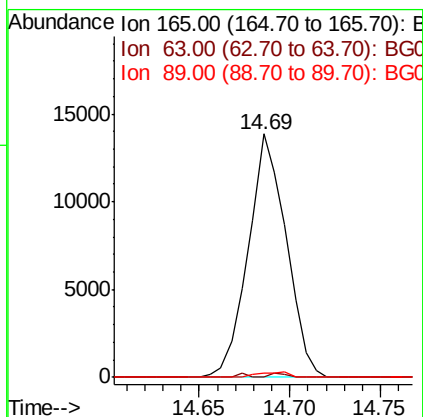
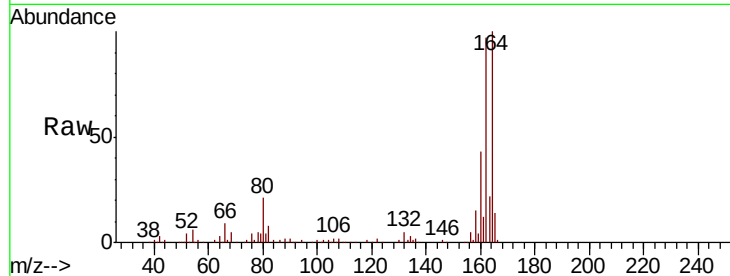




#50
 2,6-Dinitrotoluene
 Concen: 7.669 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

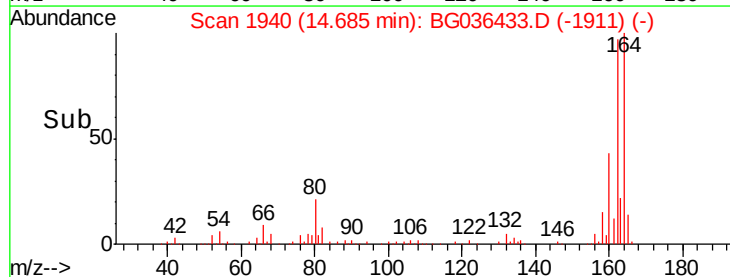
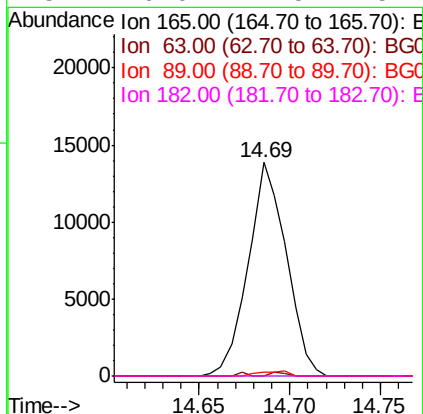
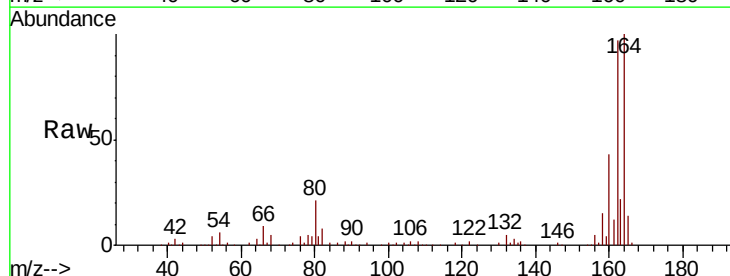
Instrument :
 BNA_G
 ClientSampleId :

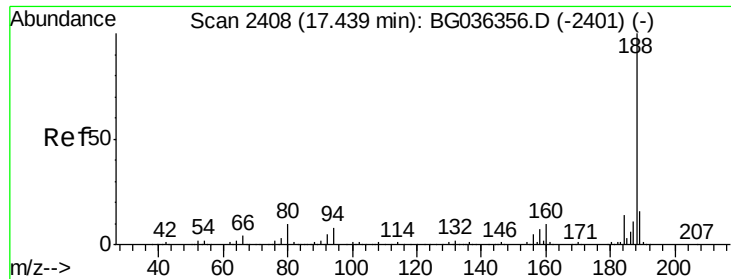
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	1.9	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 5.884 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	1.9	63.7	95.5#
182	0.0	2.5	3.7#

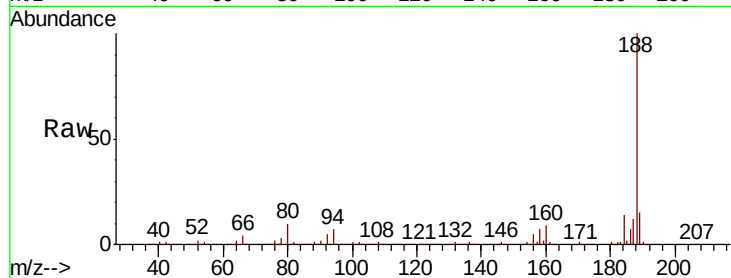




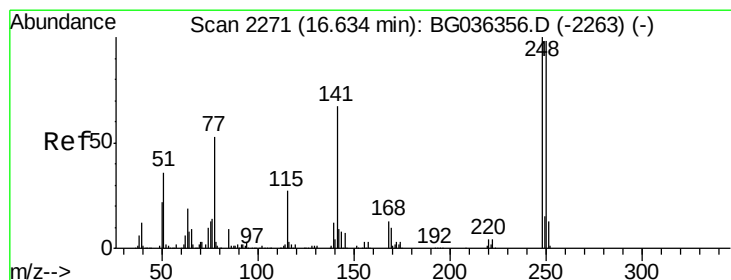
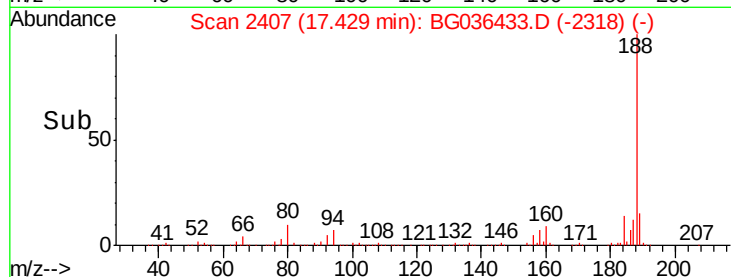
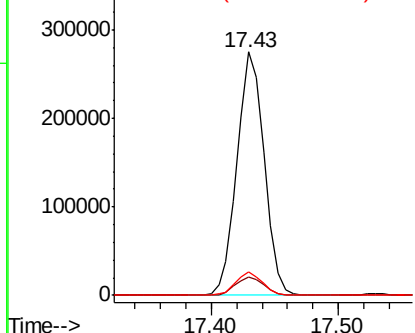
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2407
 Delta R.T. -0.01 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 408307
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.7 10.1
 80 9.6 8.1 12.1

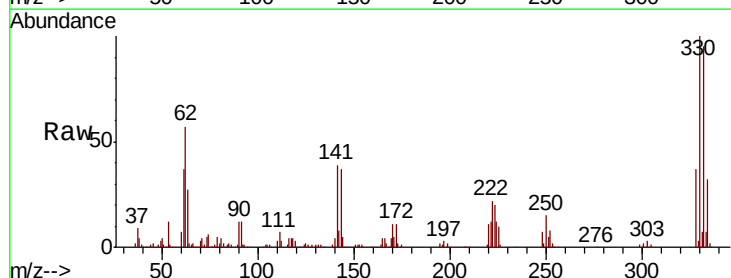


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

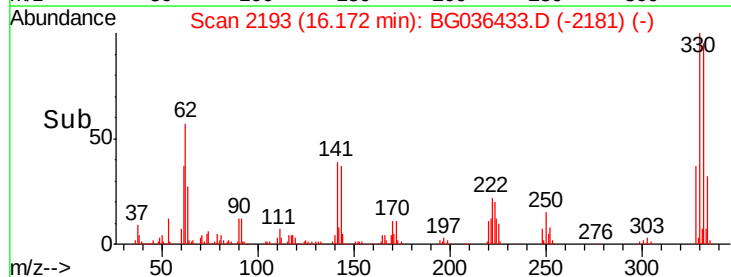
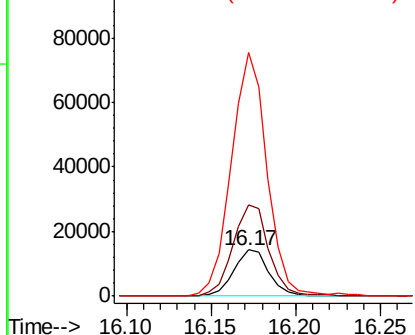


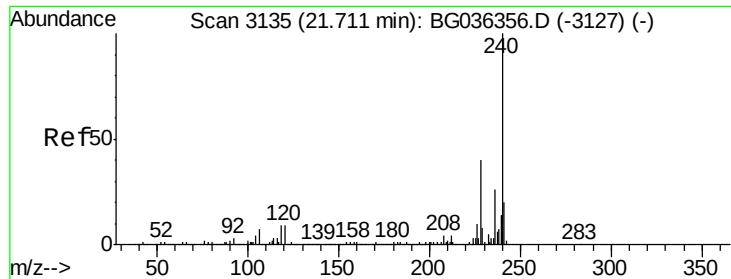
#66
 4-Bromophenyl-phenylether
 Concen: 4.329 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG036433.D
 Acq: 27 Aug 2018 16:03

Tgt Ion:248 Resp: 20695
 Ion Ratio Lower Upper
 248 100
 250 195.9 78.1 117.1#
 141 524.5 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

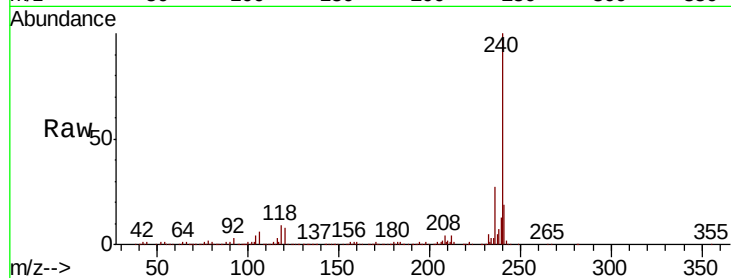




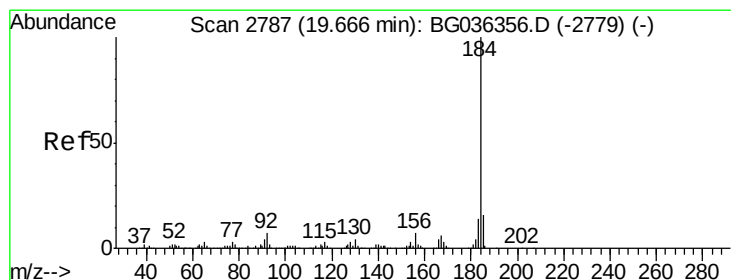
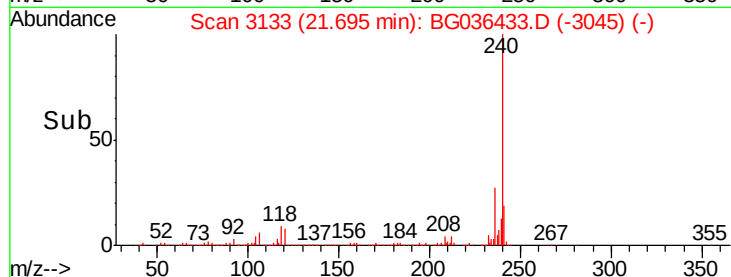
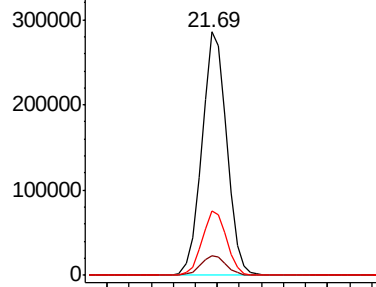
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG036433.D
Acq: 27 Aug 2018 16:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 450544
Ion Ratio Lower Upper
240 100
120 8.1 6.9 10.3
236 26.6 21.2 31.8

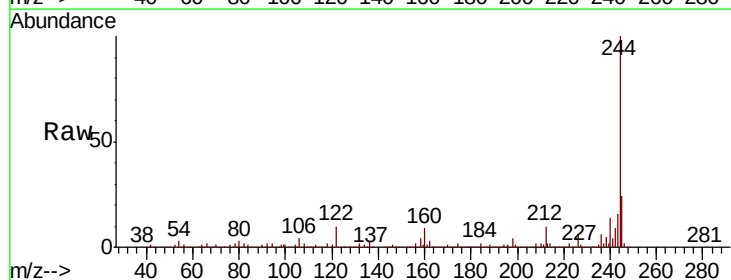


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

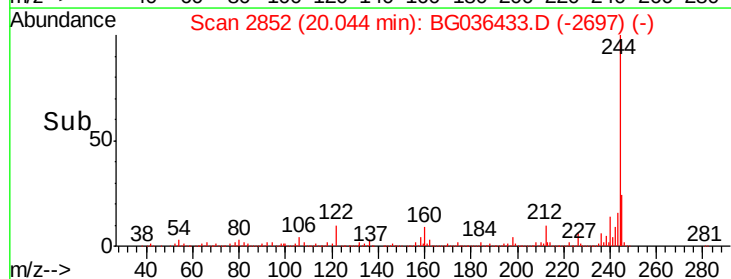
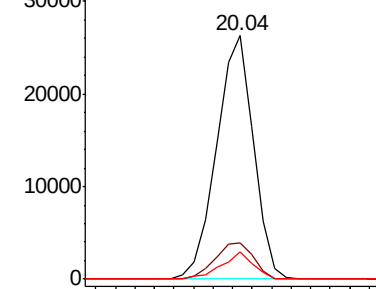


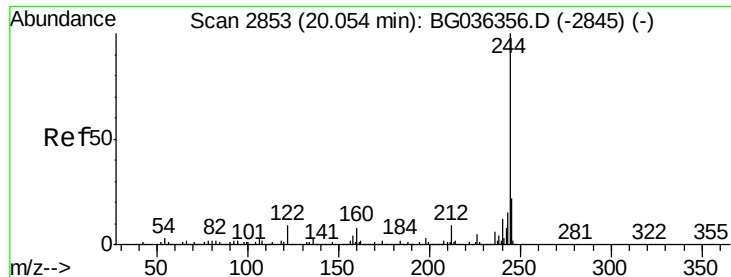
#76
Benzidine
Concen: 2.388 ng
RT: 20.04 min Scan# 2852
Delta R.T. 0.38 min
Lab File: BG036433.D
Acq: 27 Aug 2018 16:03

Tgt Ion:184 Resp: 34324
Ion Ratio Lower Upper
184 100
185 14.8 12.6 18.8
183 11.3 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





#78

Terphenyl-d14

Concen: 97.208 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG036433.D

Acq: 27 Aug 2018 16:03

Instrument :

BNA_G

ClientSampleId :

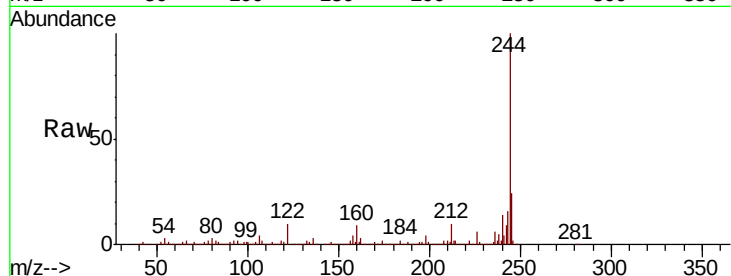
Tot Ion:244 Resp: 1873773

Ion Ratio Lower Upper

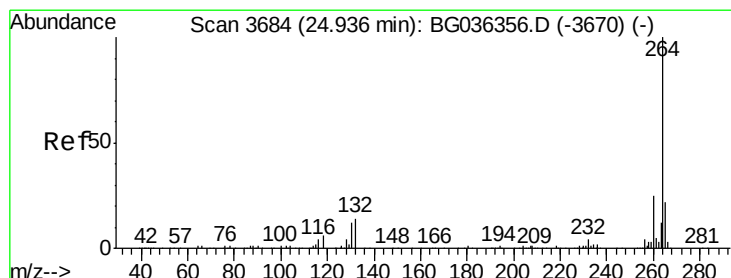
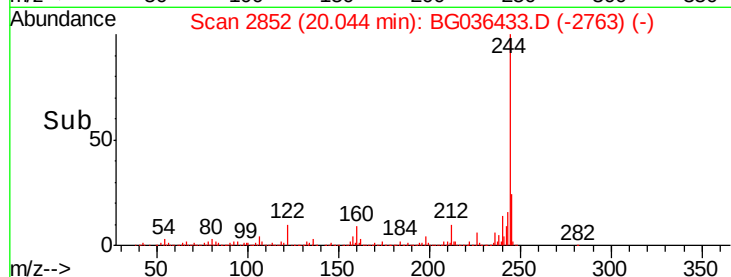
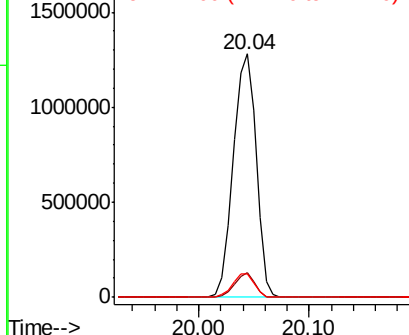
244 100

212 10.0 7.0 10.6

122 9.8 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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3681

Delta R.T. -0.02 min

Lab File: BG036433.D

Acq: 27 Aug 2018 16:03

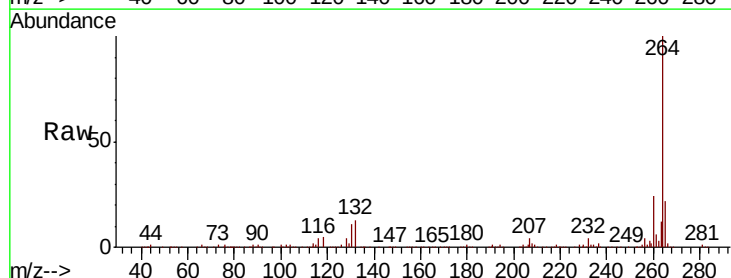
Tgt Ion:264 Resp: 451111

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

265 22.4 17.4 26.0



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

