

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080618\
 Data File : BG036151.D
 Acq On : 7 Aug 2018 7:14
 Operator : JU/SJ
 Sample : J4283-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 07 08:36:42 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

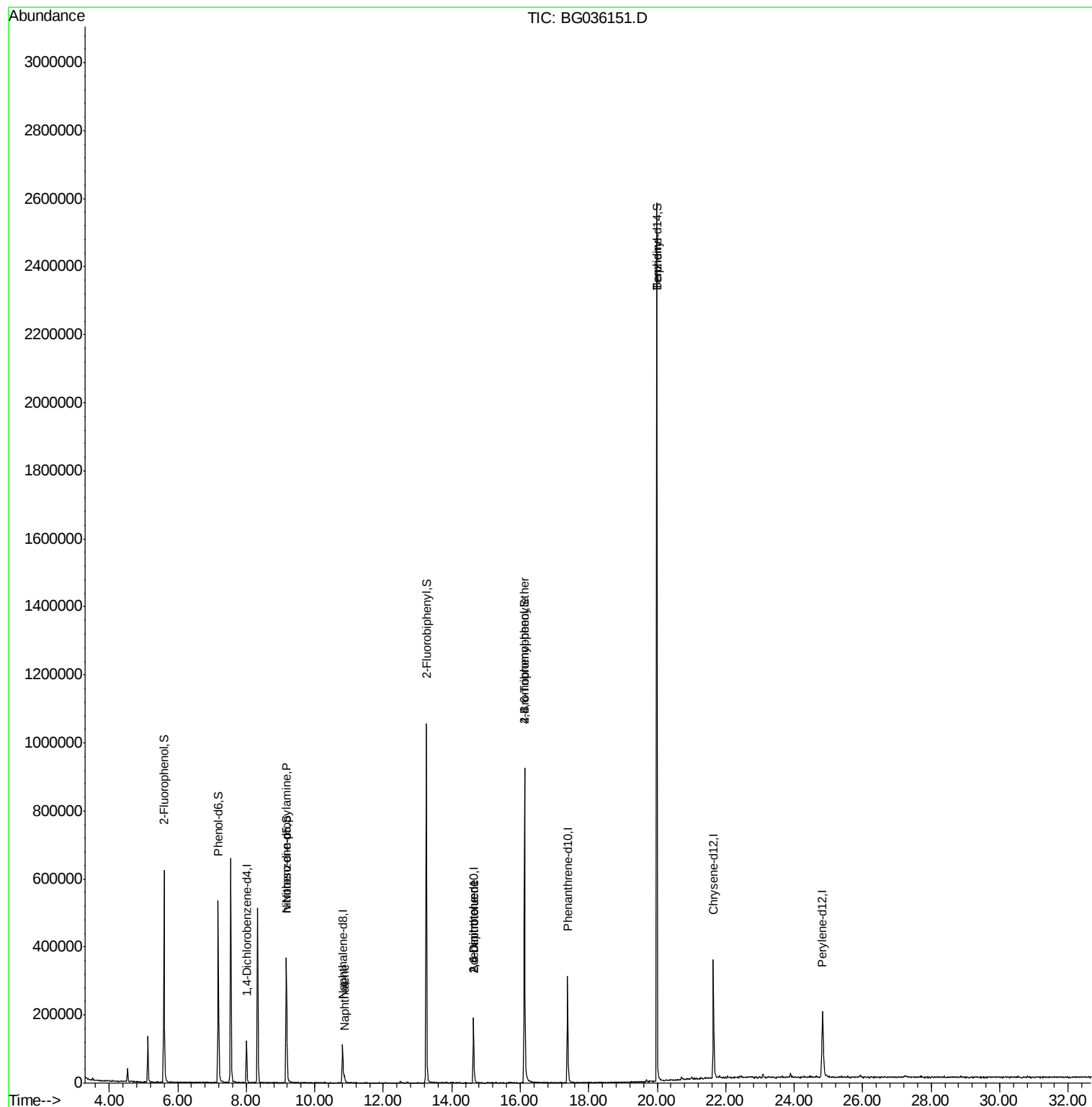
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	34191	20.00	ng	-0.01
21) Naphthalene-d8	10.81	136	116513	20.00	ng	-0.02
38) Acenaphthene-d10	14.64	164	76211	20.00	ng	-0.01
63) Phenanthrene-d10	17.38	188	231399	20.00	ng	-0.01
75) Chrysene-d12	21.64	240	257440	20.00	ng	-0.02
86) Perylene-d12	24.83	264	242463	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	271570	131.87	ng	0.00
7) Phenol-d6	7.18	99	347203	113.00	ng	-0.01
23) Nitrobenzene-d5	9.17	82	273011	97.89	ng	-0.01
41) 2,4,6-Tribromophenol	16.12	330	187966	187.12	ng	-0.02
44) 2-Fluorobiphenyl	13.26	172	603620	106.11	ng	-0.02
78) Terphenyl-d14	19.99	244	1282640	109.82	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.17	70	38057	14.709	ng	Qvalue # 68
31) Naphthalene	10.87	128	17366	2.861	ng	# 99
50) 2,6-Dinitrotoluene	14.64	165	9909	7.287	ng	# 18
56) 2,4-Dinitrotoluene	14.64	165	9909	5.080	ng	# 16
66) 4-Bromophenyl-phenylether	16.12	248	15470	5.762	ng	# 1
76) Benzidine	19.99	184	21993	3.249	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: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA_G

ClientSampleId :

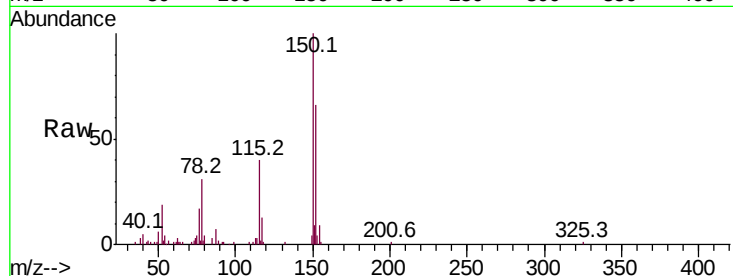
Tot Ion:152 Resp: 34191

Ion Ratio Lower Upper

152 100

150 151.1 126.6 189.8

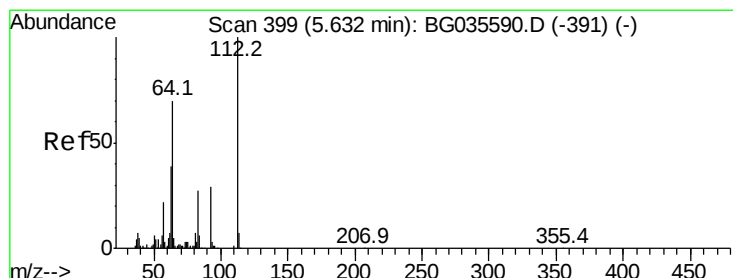
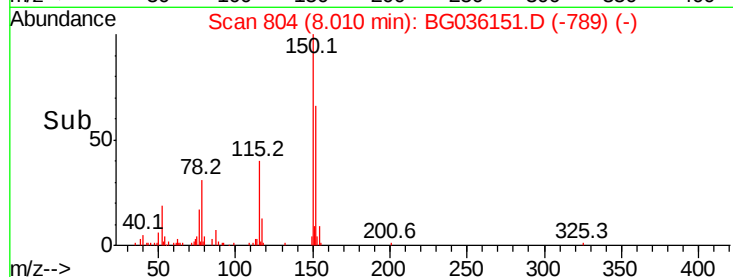
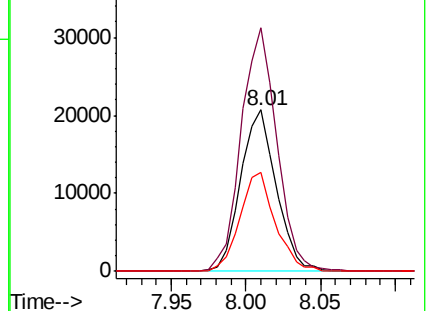
115 61.1 53.0 79.4



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: 131.868 ng

RT: 5.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

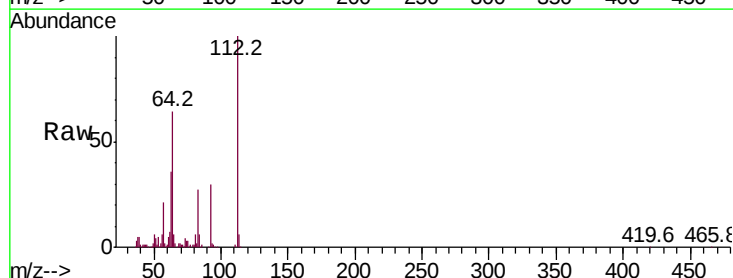
Tgt Ion:112 Resp: 271570

Ion Ratio Lower Upper

112 100

64 64.4 56.3 84.5

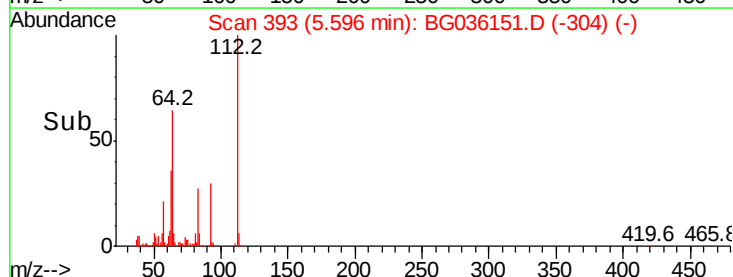
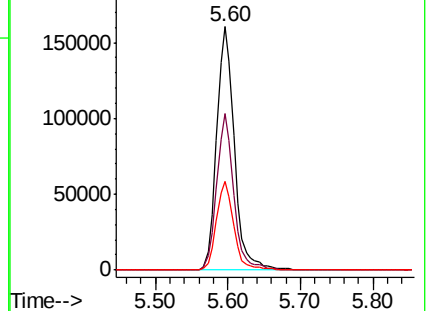
63 36.3 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 112.999 ng

RT: 7.18 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA_G

ClientSampleId :

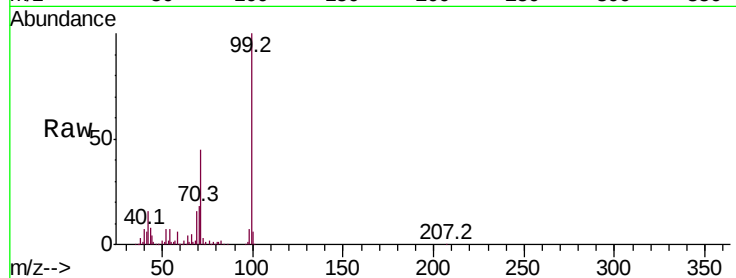
Tot Ion: 99 Resp: 347203

Ion Ratio Lower Upper

99 100

42 16.4 14.1 21.1

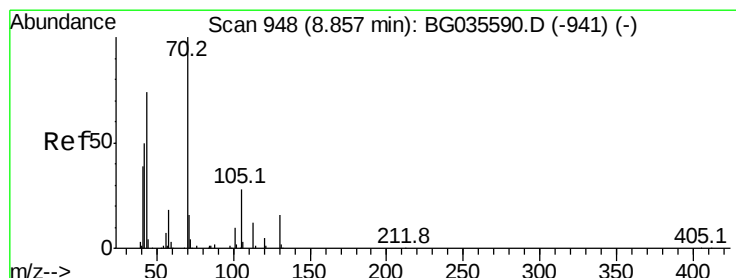
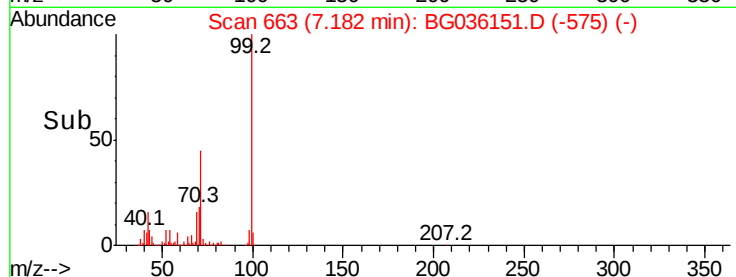
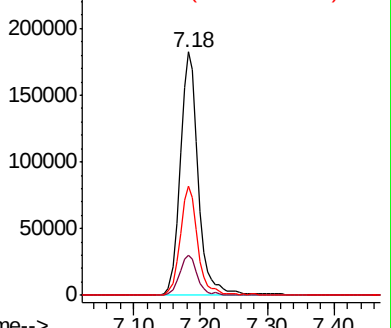
71 44.8 26.1 39.1#



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: 14.709 ng

RT: 9.17 min Scan# 1002

Delta R.T. 0.34 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Tgt Ion: 70 Resp: 38057

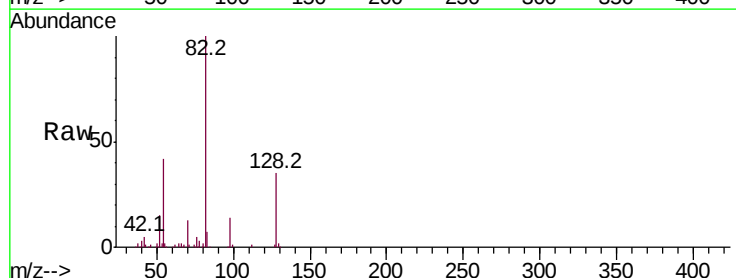
Ion Ratio Lower Upper

70 100

42 37.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.4 13.4 20.0#

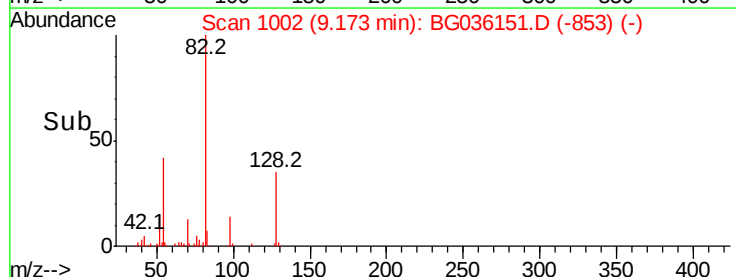
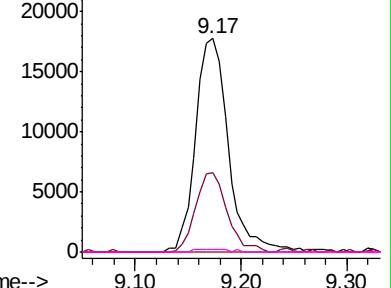


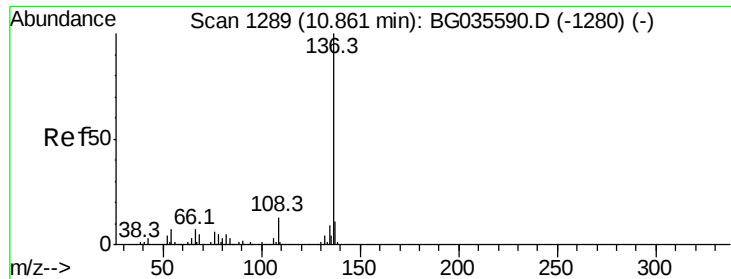
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

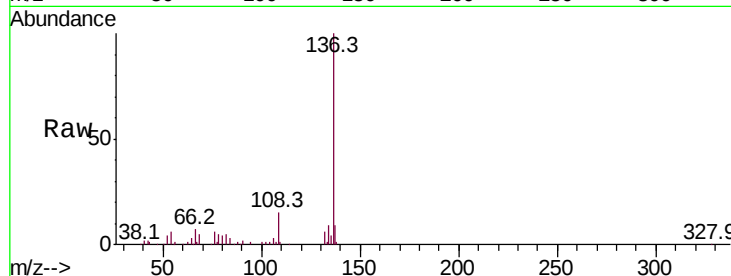




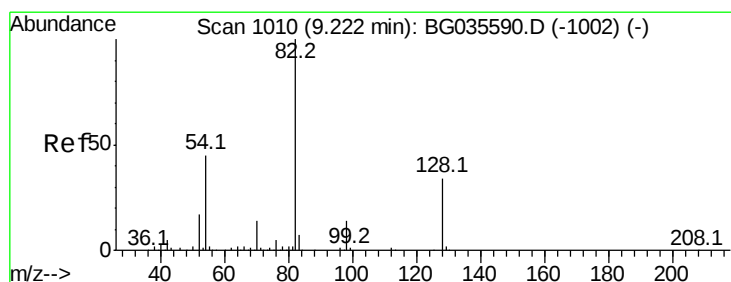
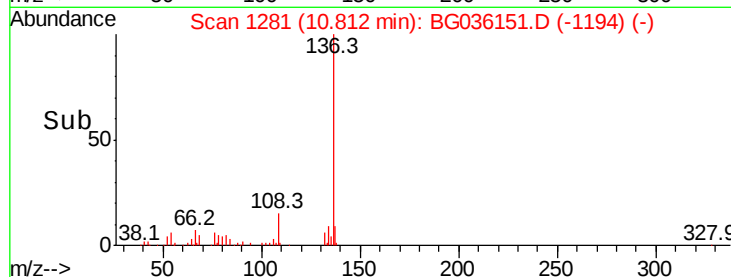
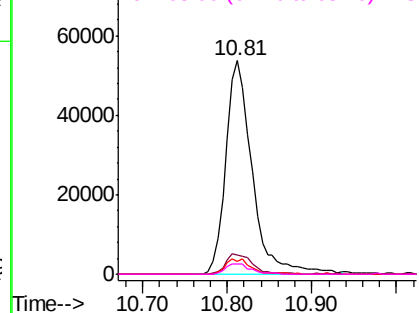
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BG036151.D
Acq: 7 Aug 2018 7:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	116513
Ion	Ratio	Lower	Upper
136	100		
137	9.1	9.2	13.8#
54	6.1	10.3	15.5#
68	4.7	4.5	6.7

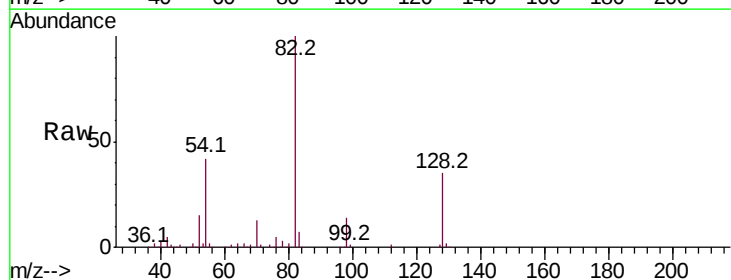


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

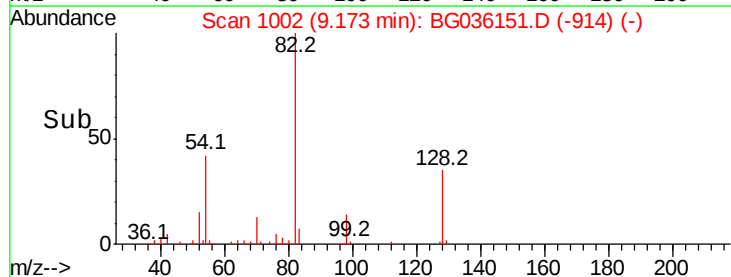
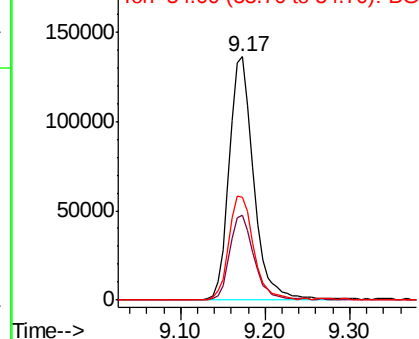


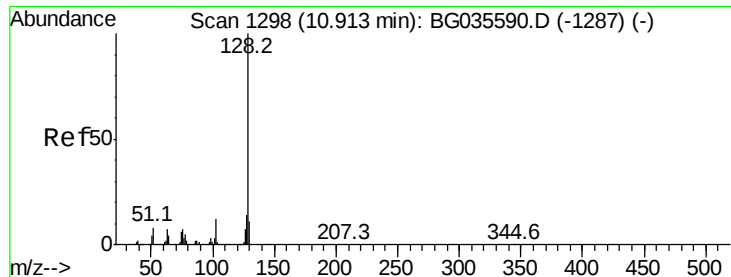
#23
Nitrobenzene-d5
Concen: 97.886 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BG036151.D
Acq: 7 Aug 2018 7:14

Tgt Ion:	82	Resp:	273011
Ion	Ratio	Lower	Upper
82	100		
128	34.8	29.7	44.5
54	42.0	43.1	64.7#



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

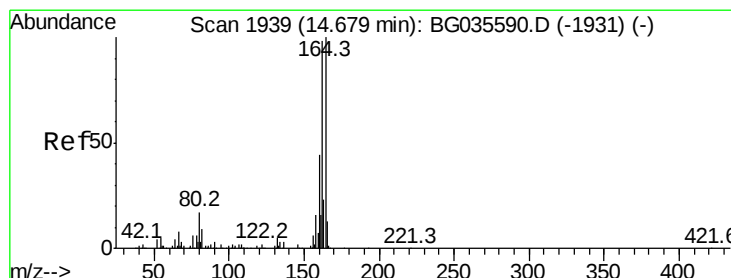
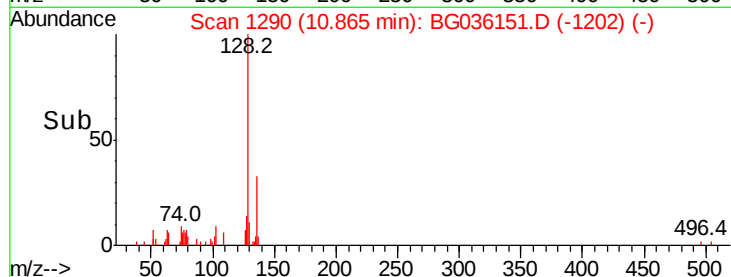
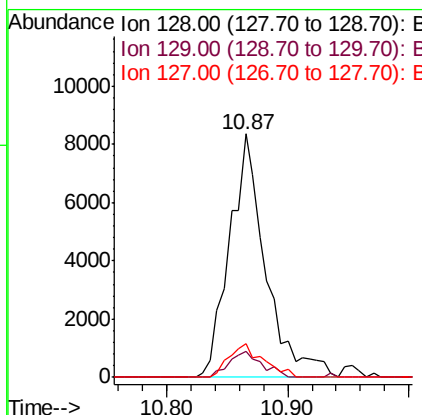
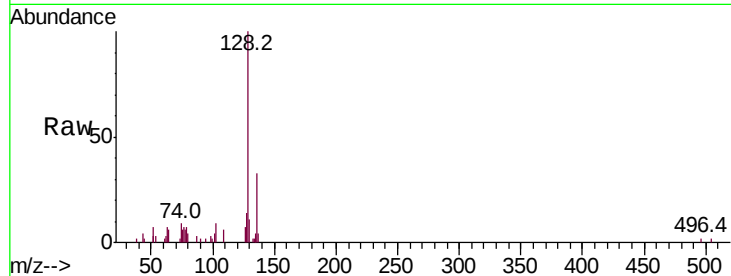




#31
Naphthalene
Concen: 2.861 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BG036151.D
Acq: 7 Aug 2018 7:14

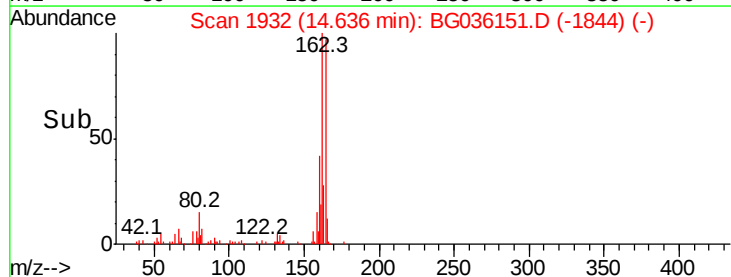
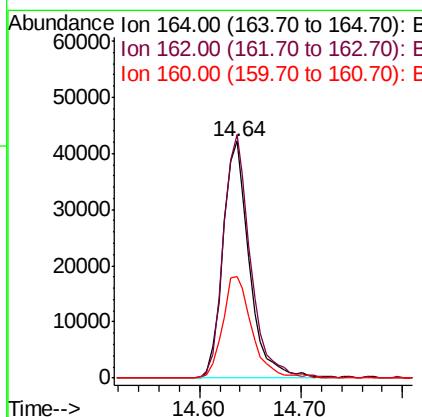
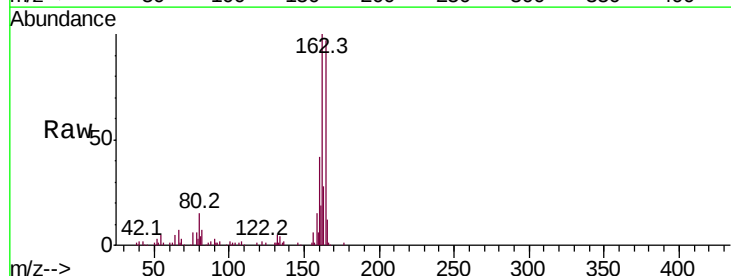
Instrument :
BNA_G
ClientSampleId :

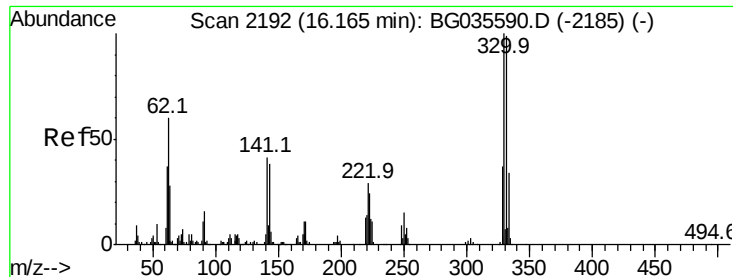
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.7	11.6	17.4



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BG036151.D
Acq: 7 Aug 2018 7:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	78.8	118.2
160	42.7	35.4	53.0

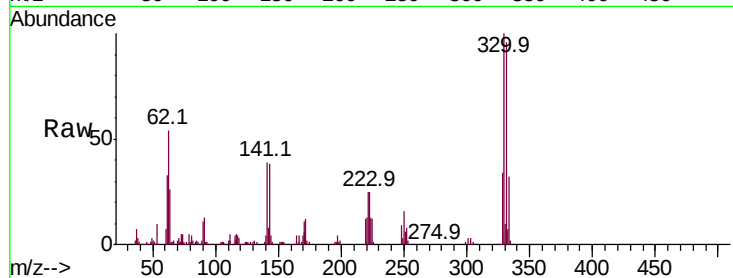




#41
 2,4,6-Tribromophenol
 Concen: 187.122 ng
 RT: 16.12 min Scan# 2185
 Delta R.T. -0.02 min
 Lab File: BG036151.D
 Acq: 7 Aug 2018 7:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	38.7	25.2	37.8#

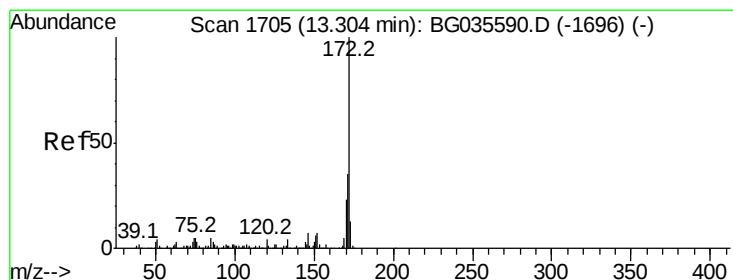
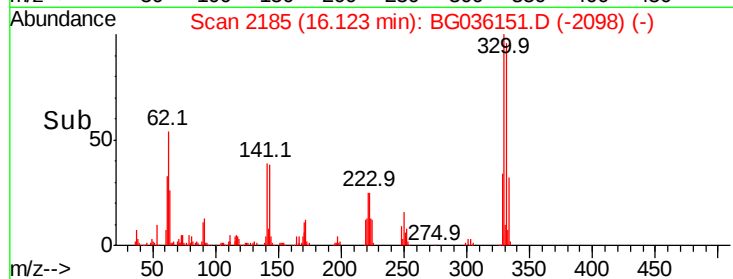
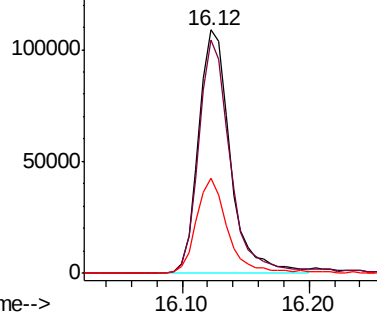


Abundance

Ion 329.80 (329.50 to 330.50): E

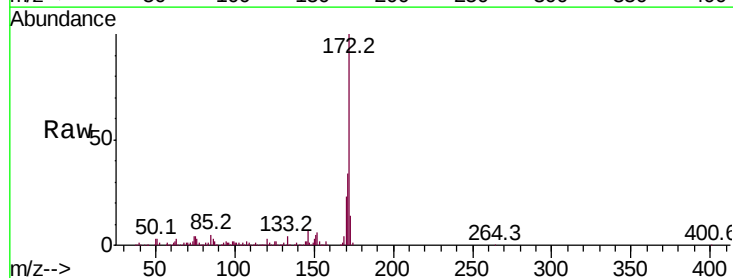
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 106.113 ng
 RT: 13.26 min Scan# 1697
 Delta R.T. -0.02 min
 Lab File: BG036151.D
 Acq: 7 Aug 2018 7:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.0	45.0
170	23.2	19.5	29.3

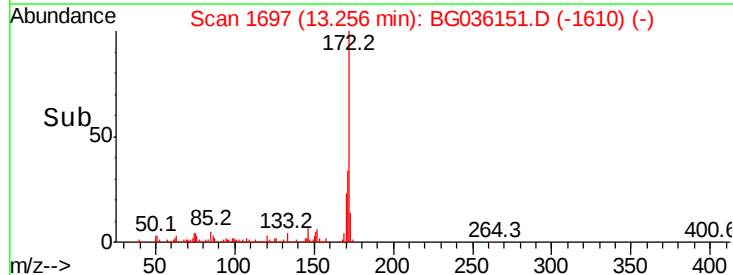
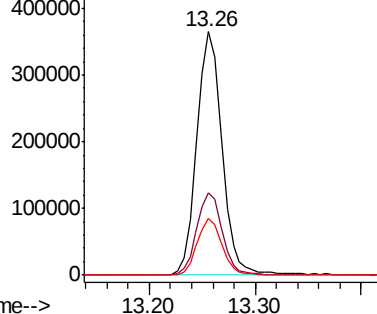


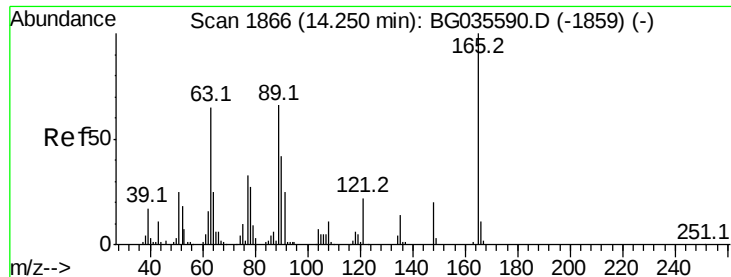
Abundance

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

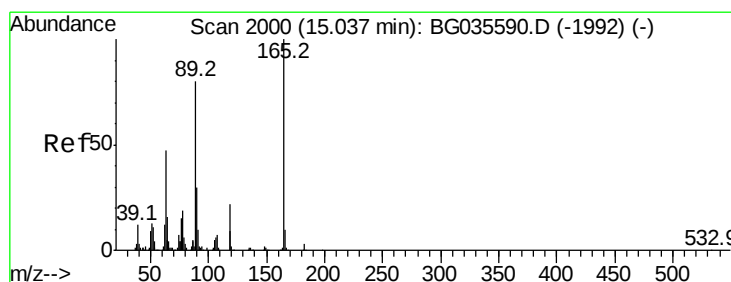
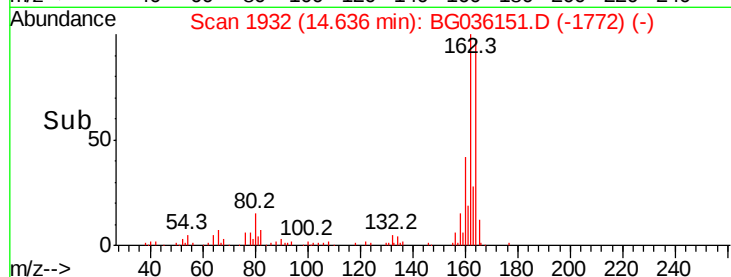
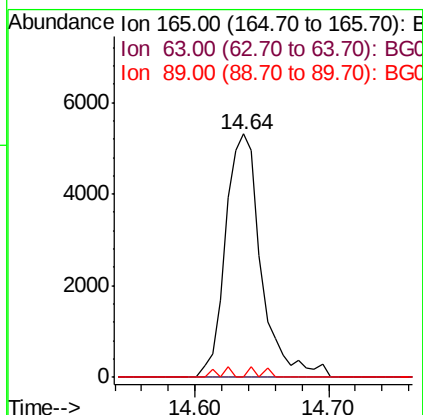
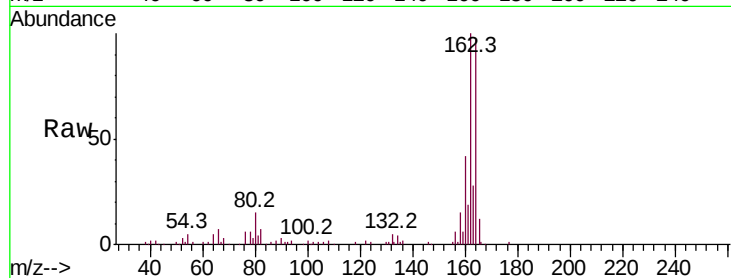




#50
2,6-Dinitrotoluene
Concen: 7.287 ng
RT: 14.64 min Scan# 1932
Delta R.T. 0.41 min
Lab File: BG036151.D
Acq: 7 Aug 2018 7:14

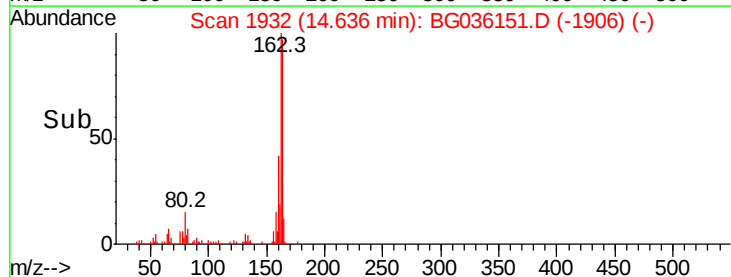
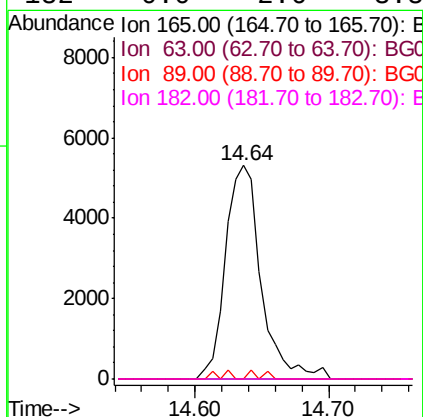
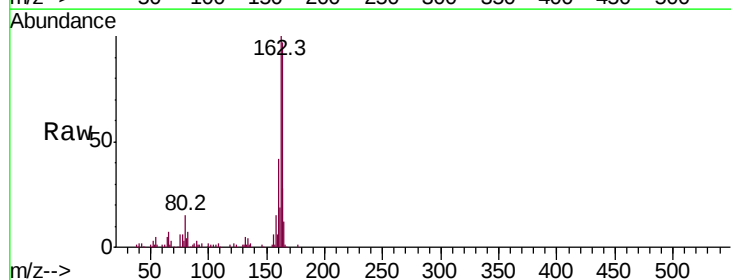
Instrument :
BNA_G
ClientSampleId :

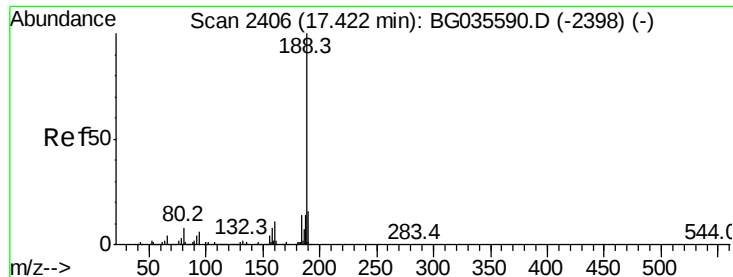
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 5.080 ng
RT: 14.64 min Scan# 1932
Delta R.T. -0.38 min
Lab File: BG036151.D
Acq: 7 Aug 2018 7:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	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: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA_G

ClientSampleId :

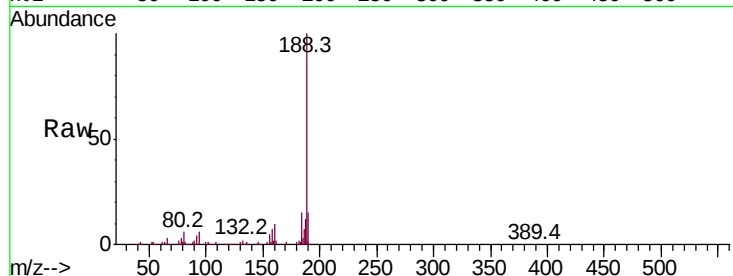
Tot Ion:188 Resp: 231399

Ion Ratio Lower Upper

188 100

94 5.8 6.9 10.3#

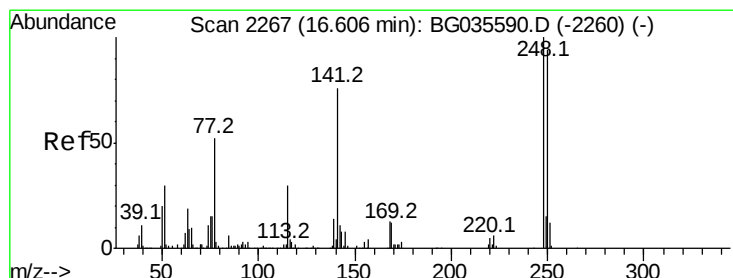
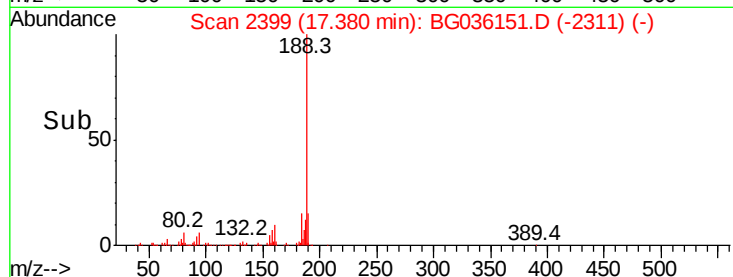
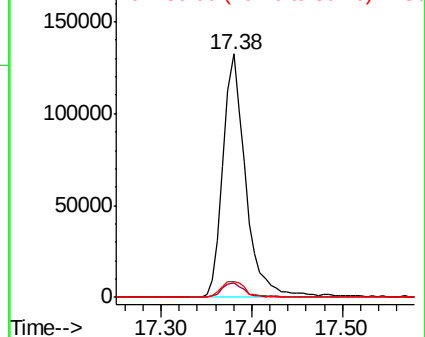
80 6.4 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 5.762 ng

RT: 16.12 min Scan# 2185

Delta R.T. -0.46 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

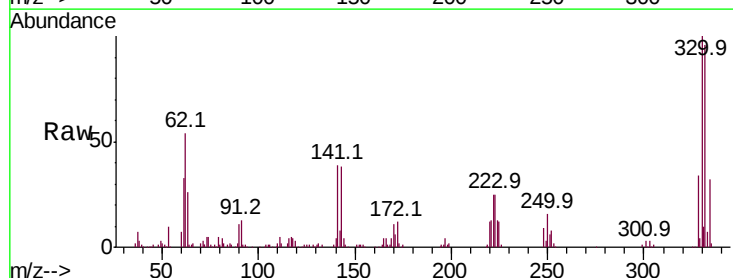
Tgt Ion:248 Resp: 15470

Ion Ratio Lower Upper

248 100

250 183.6 77.1 115.7#

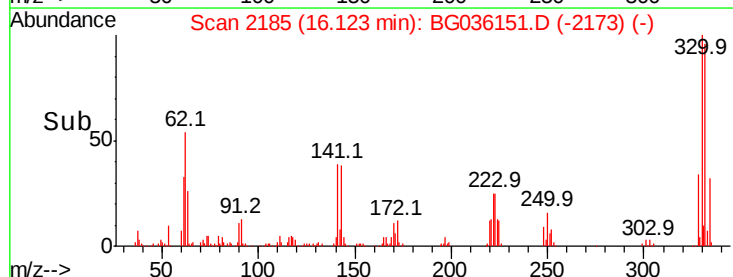
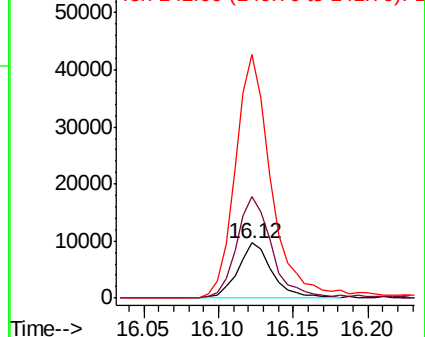
141 442.1 50.8 76.2#

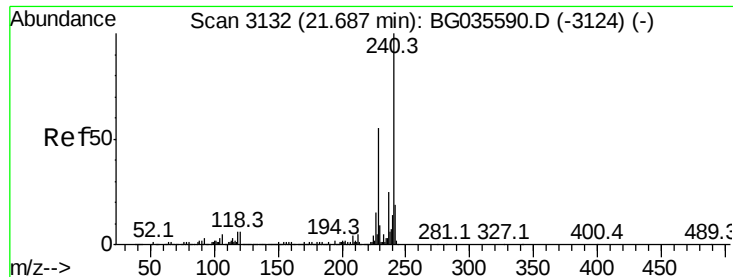


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3124

Delta R.T. -0.02 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

Instrument :

BNA_G

ClientSampleId :

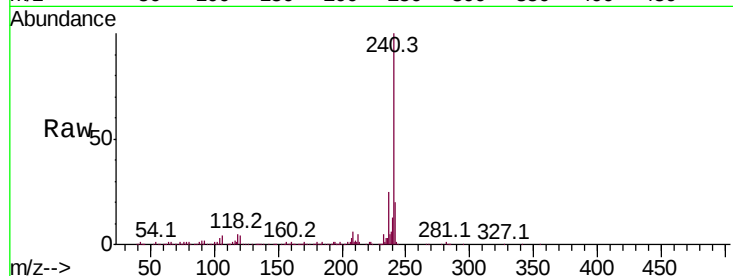
Tot Ion:240 Resp: 257440

Ion Ratio Lower Upper

240 100

120 4.5 6.8 10.2#

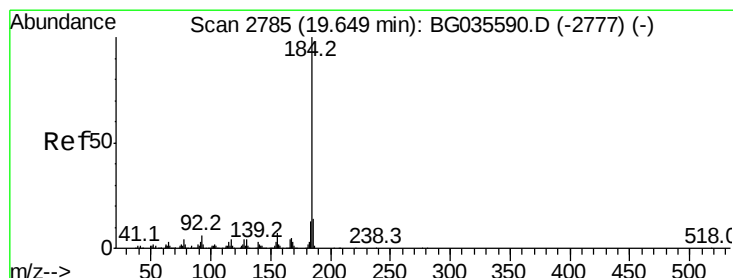
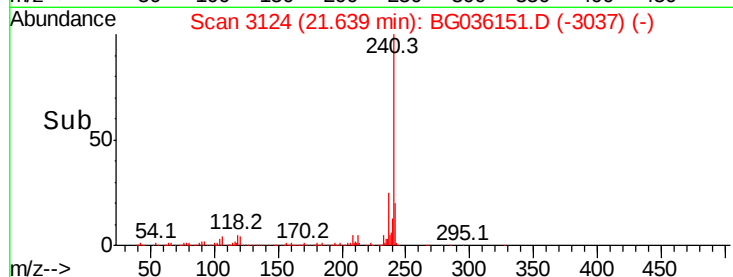
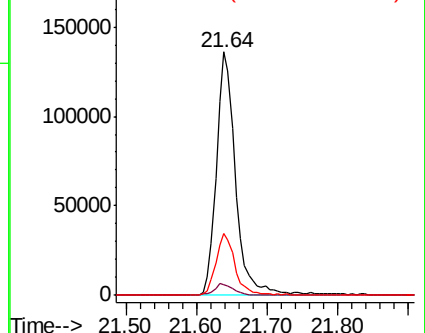
236 25.2 20.9 31.3



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: 3.249 ng

RT: 19.99 min Scan# 2843

Delta R.T. 0.36 min

Lab File: BG036151.D

Acq: 7 Aug 2018 7:14

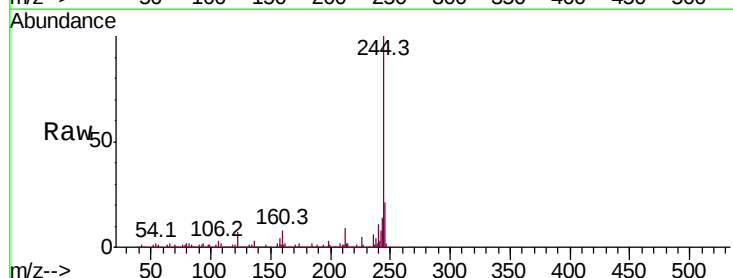
Tgt Ion:184 Resp: 21993

Ion Ratio Lower Upper

184 100

185 18.2 11.1 16.7#

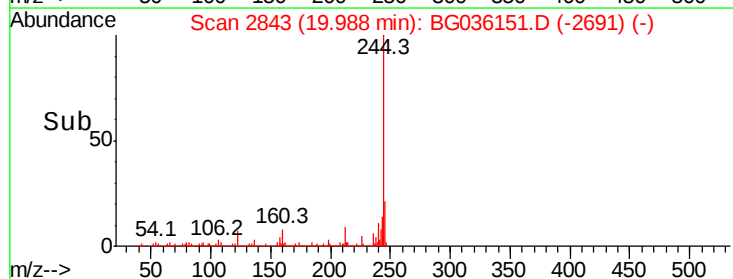
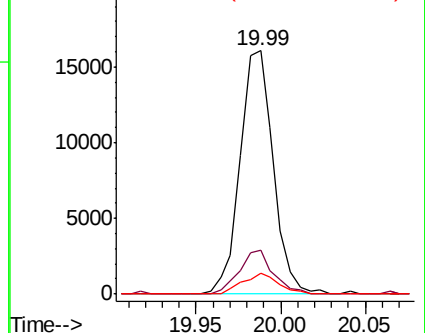
183 8.7 10.6 16.0#

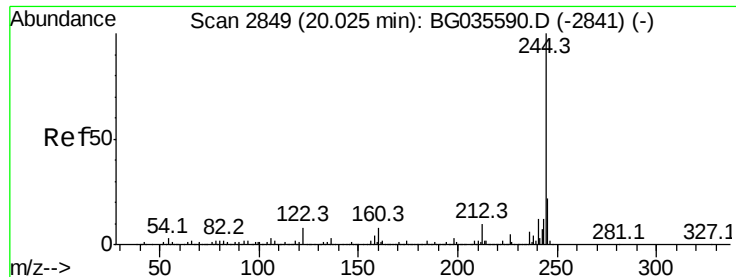


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

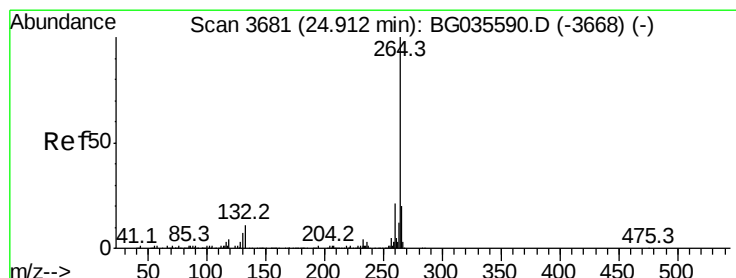
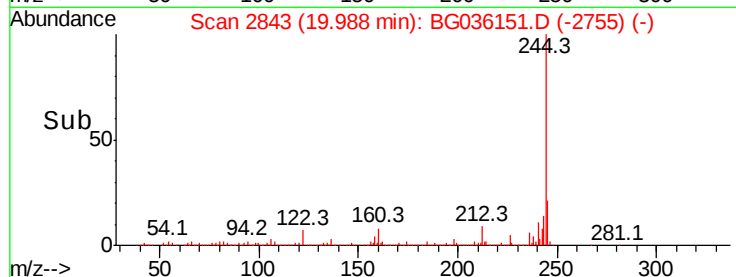
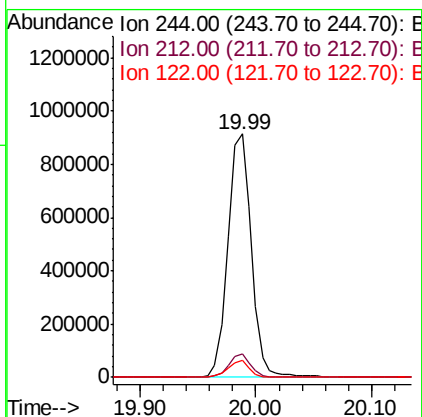
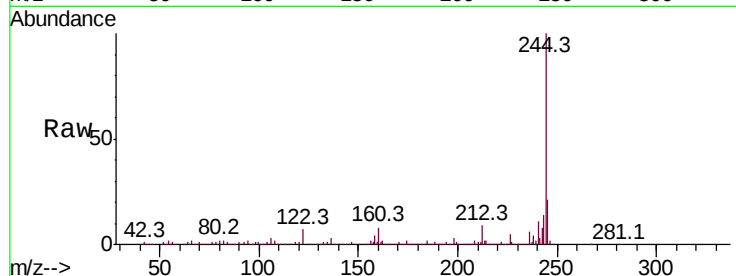




#78
 Terphenyl-d14
 Concen: 109.825 ng
 RT: 19.99 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BG036151.D
 Acq: 7 Aug 2018 7:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1282640
 Ion Ratio Lower Upper
 244 100
 212 9.5 5.8 8.8#
 122 6.8 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.83 min Scan# 3667
 Delta R.T. -0.03 min
 Lab File: BG036151.D
 Acq: 7 Aug 2018 7:14

Tgt Ion:264 Resp: 242463
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.4 26.0
 265 21.5 17.7 26.5

