

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\
 Data File : BG036791.D
 Acq On : 18 Sep 2018 18:29
 Operator : JU/SJ
 Sample : J4941-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 19 05:53:24 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

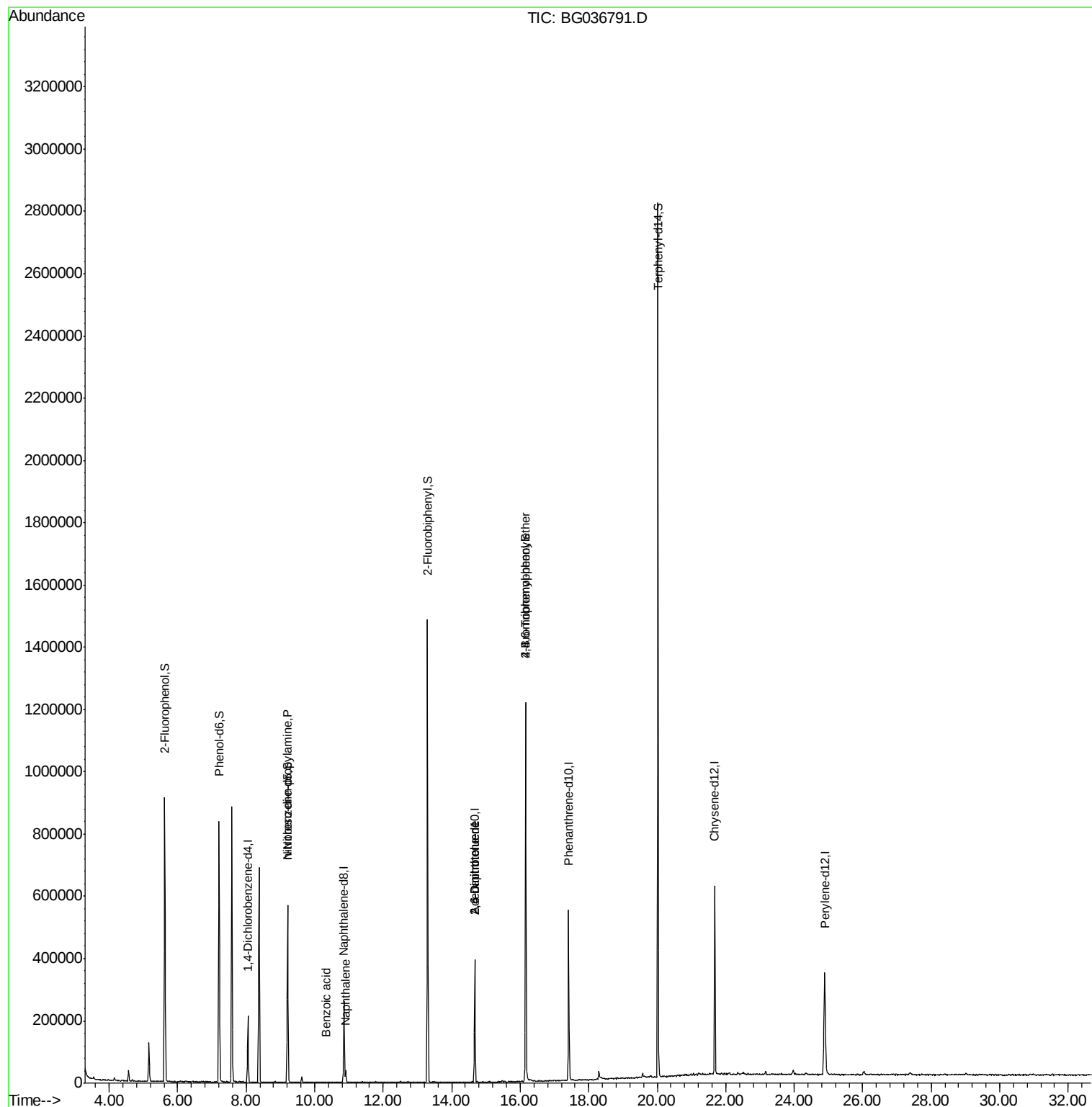
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	55156	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	220761	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	137399	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	348854	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	370841	20.00	ng	-0.01
86) Perylene-d12	24.89	264	369875	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	371360	106.80	ng	0.00
7) Phenol-d6	7.21	99	473486	95.11	ng	0.00
23) Nitrobenzene-d5	9.21	82	348497	85.65	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	227377	138.69	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	769766	79.99	ng	-0.01
78) Terphenyl-d14	20.02	244	1301056	82.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	46071	12.383	ng	Qvalue # 71
31) Naphthalene	10.90	128	29976	2.716	ng	98
32) Benzoic acid	10.33	122	56	4.500	ng	# 1
50) 2,6-Dinitrotoluene	14.67	165	18233	7.898	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	18233	6.060	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	16102	3.942	ng	# 1

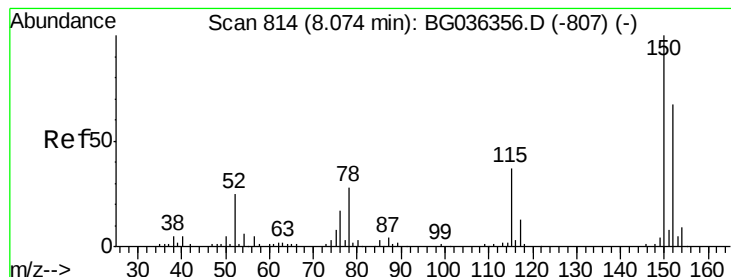
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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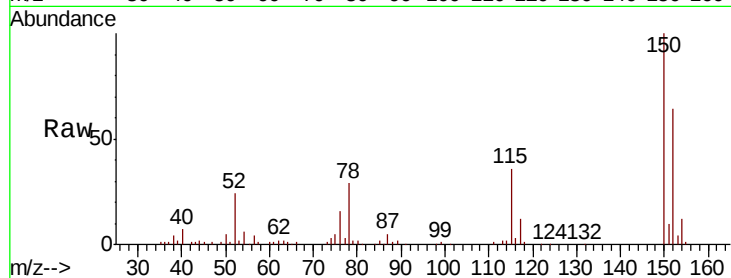




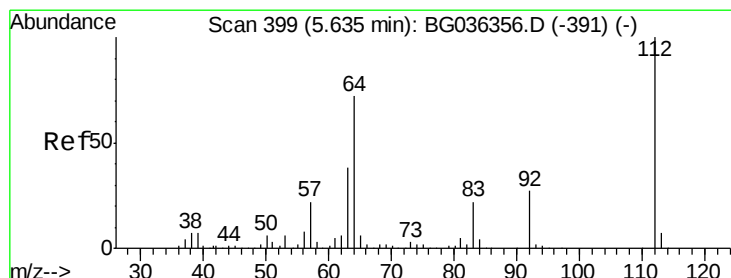
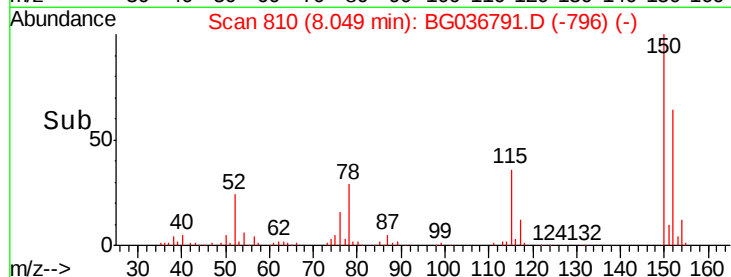
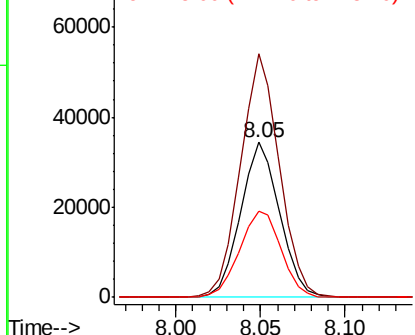
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BG036791.D
 Acq: 18 Sep 2018 18:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 55156
 Ion Ratio Lower Upper
 152 100
 150 156.8 119.5 179.3
 115 55.9 44.5 66.7

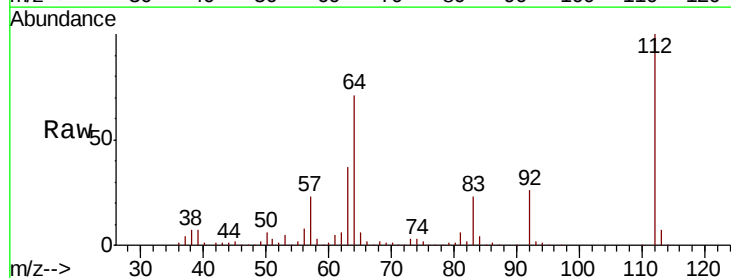


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

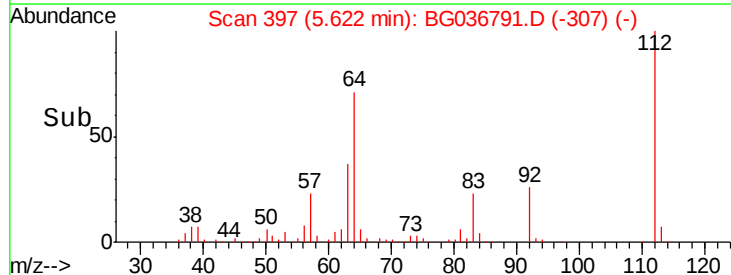
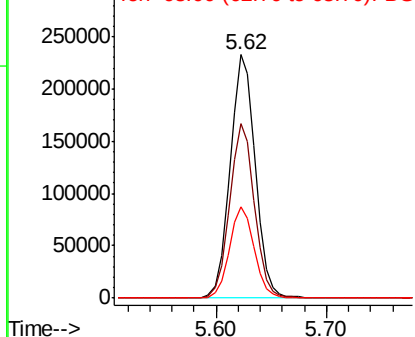


#5
 2-Fluorophenol
 Concen: 106.804 ng
 RT: 5.62 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BG036791.D
 Acq: 18 Sep 2018 18:29

Tgt Ion:112 Resp: 371360
 Ion Ratio Lower Upper
 112 100
 64 71.4 57.2 85.8
 63 37.3 30.8 46.2



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: 95.111 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036791.D

Acq: 18 Sep 2018 18:29

Instrument :

BNA_G

ClientSampleId :

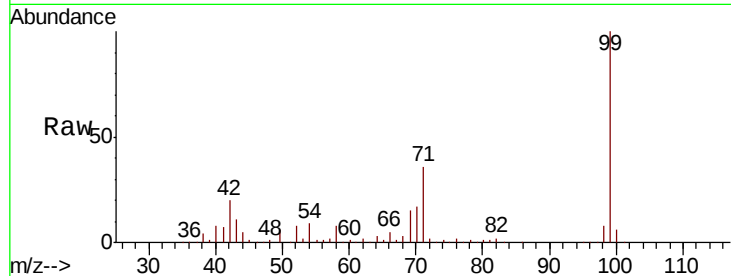
Tot Ion: 99 Resp: 473486

Ion Ratio Lower Upper

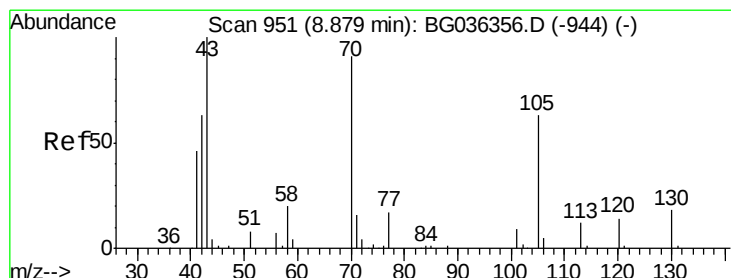
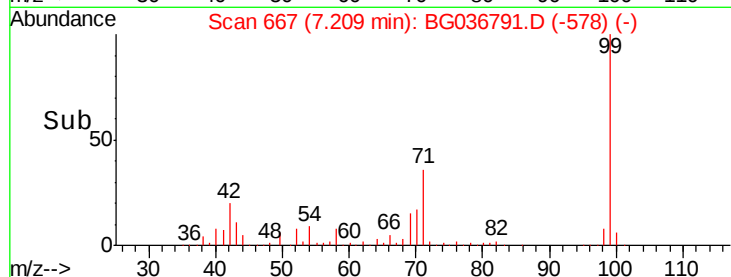
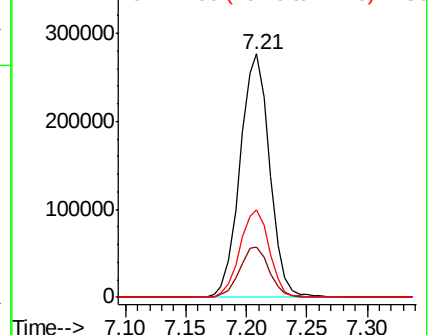
99 100

42 20.5 16.5 24.7

71 35.9 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: 12.383 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036791.D

Acq: 18 Sep 2018 18:29

Tgt Ion: 70 Resp: 46071

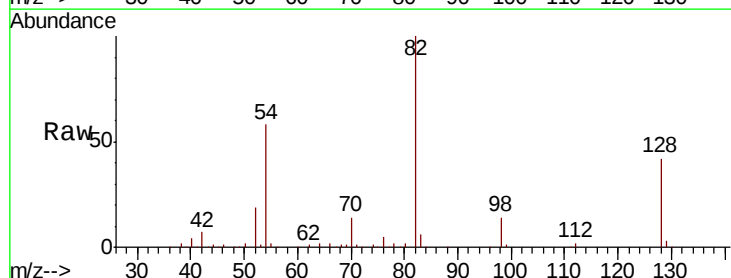
Ion Ratio Lower Upper

70 100

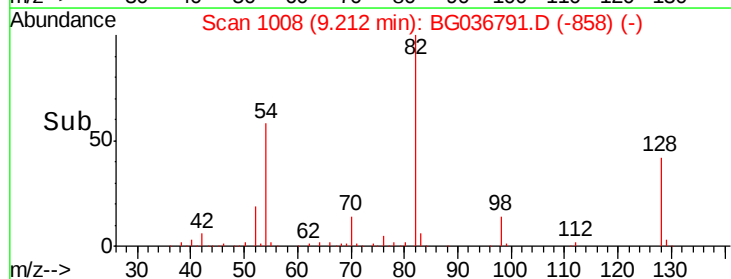
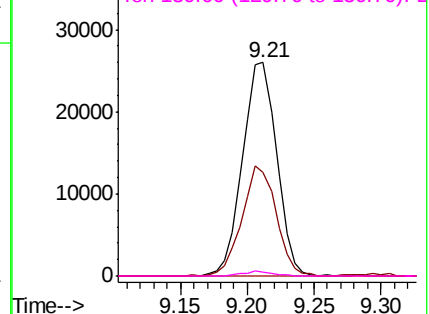
42 48.3 56.2 84.4#

101 0.0 7.8 11.6#

130 2.0 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

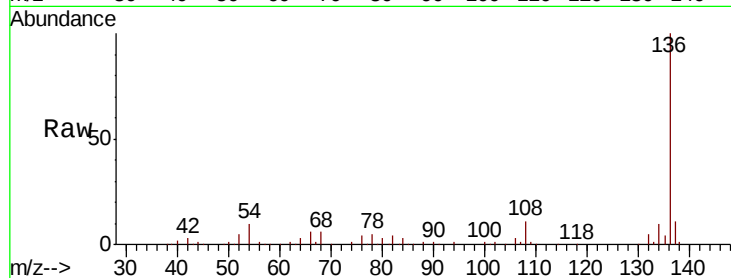




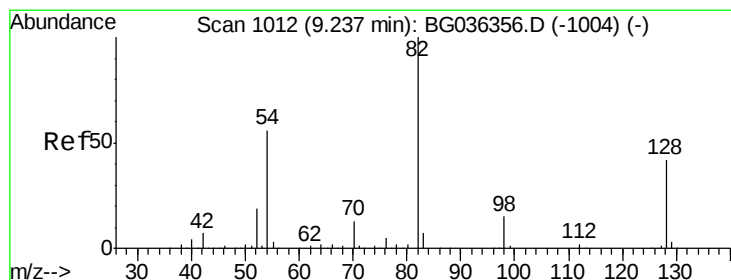
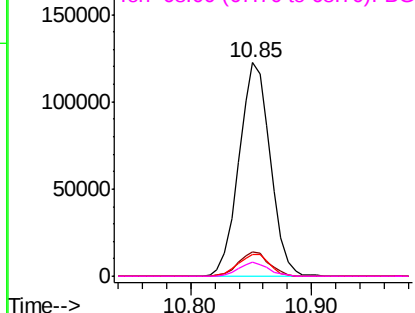
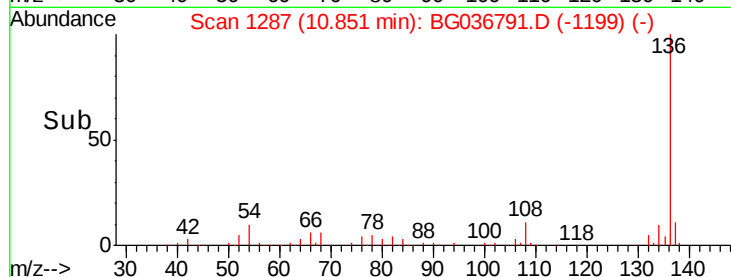
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036791.D
Acq: 18 Sep 2018 18:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	220761
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.8 13.2
54	10.2	9.2 13.8
68	6.4	5.8 8.6

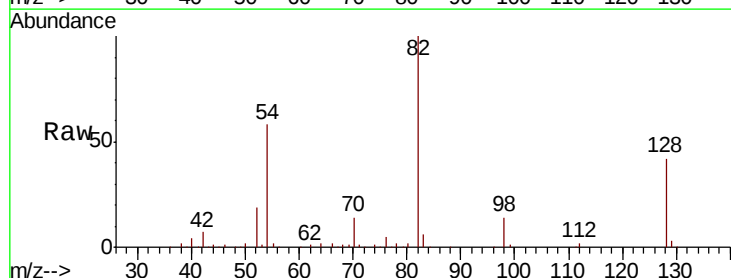


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

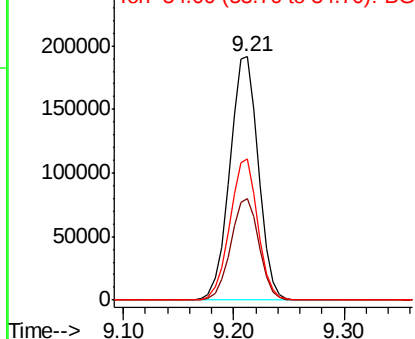
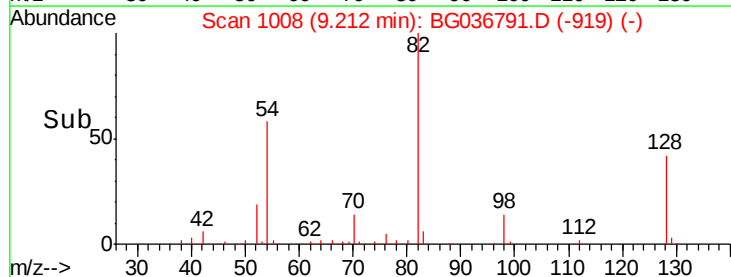


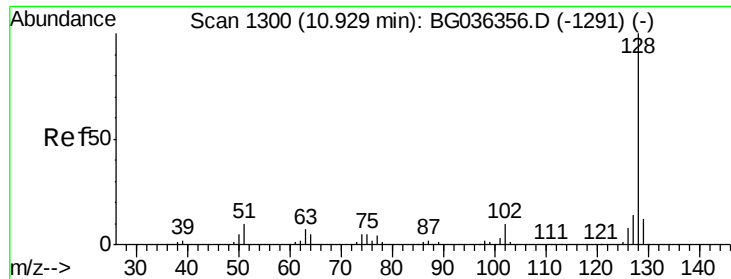
#23
Nitrobenzene-d5
Concen: 85.651 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036791.D
Acq: 18 Sep 2018 18:29

Tgt Ion: 82	Resp:	348497
Ion Ratio	Lower	Upper
82	100	
128	41.6	33.3 49.9
54	58.0	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

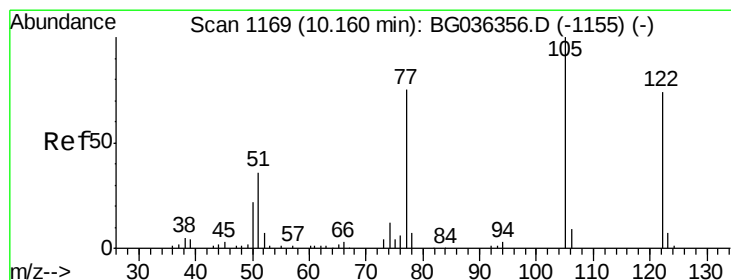
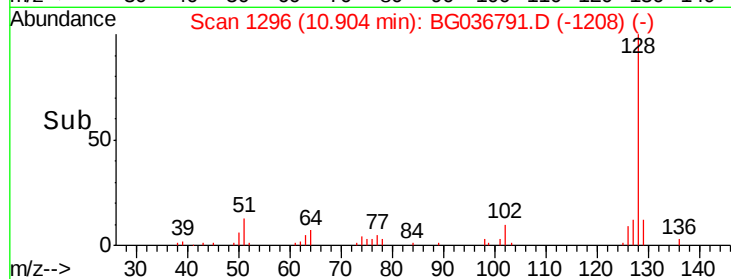
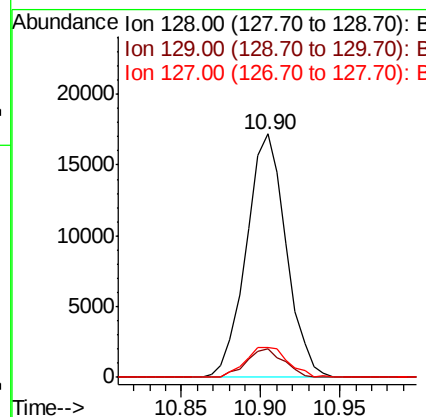
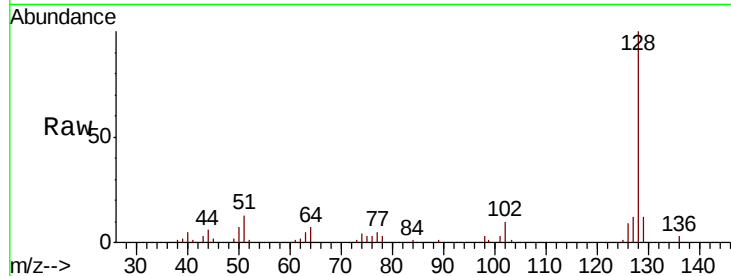




#31
Naphthalene
Concen: 2.716 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG036791.D
Acq: 18 Sep 2018 18:29

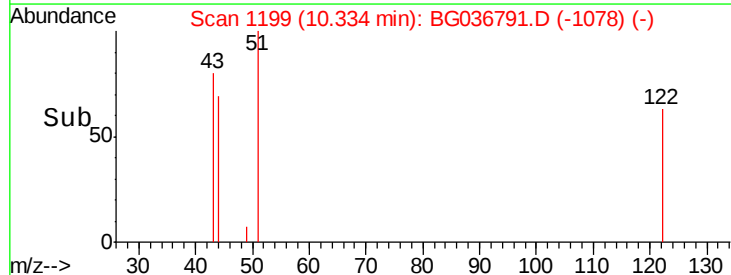
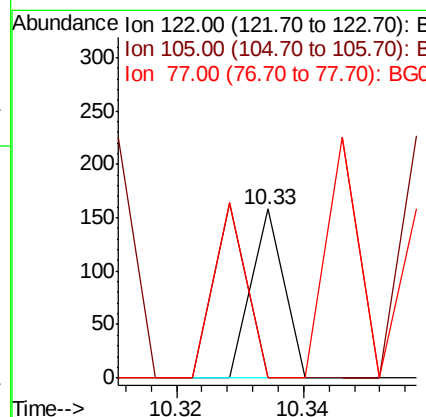
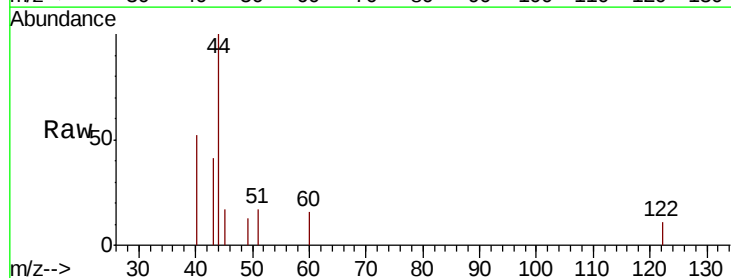
Instrument :
BNA_G
ClientSampleId :

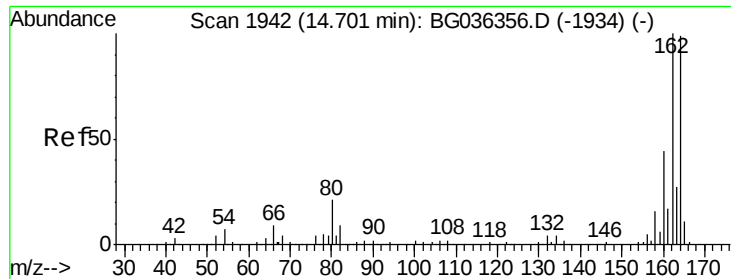
Tot Ion:128 Resp: 29976
Ion Ratio Lower Upper
128 100
129 11.9 9.4 14.2
127 12.3 11.0 16.4



#32
Benzoic acid
Concen: 4.500 ng
RT: 10.33 min Scan# 1199
Delta R.T. 0.18 min
Lab File: BG036791.D
Acq: 18 Sep 2018 18:29

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 108.1 148.1#
77 0.0 76.3 116.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BG036791.D

Acq: 18 Sep 2018 18:29

Instrument :

BNA_G

ClientSampleId :

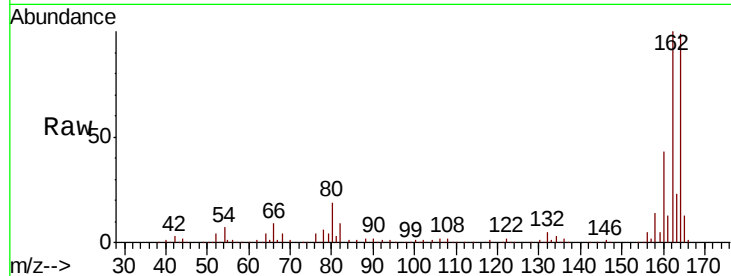
Tot Ion:164 Resp: 137399

Ion Ratio Lower Upper

164 100

162 101.1 80.7 121.1

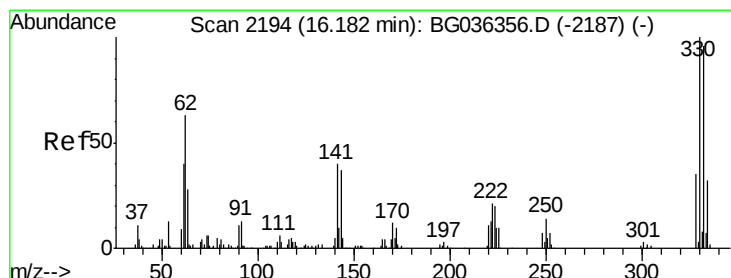
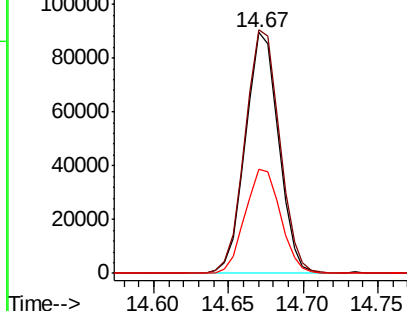
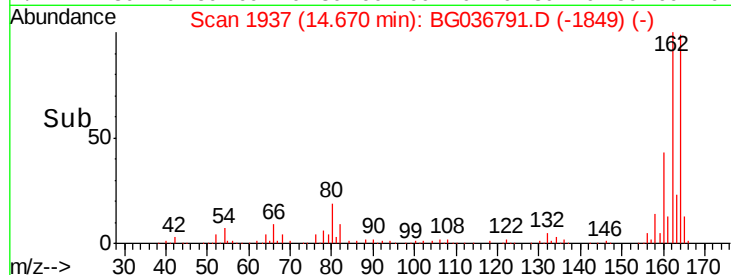
160 43.1 35.3 52.9



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: 138.689 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036791.D

Acq: 18 Sep 2018 18:29

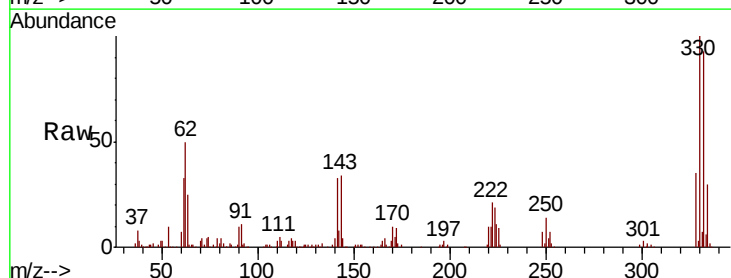
Tgt Ion:330 Resp: 227377

Ion Ratio Lower Upper

330 100

332 95.3 75.4 113.2

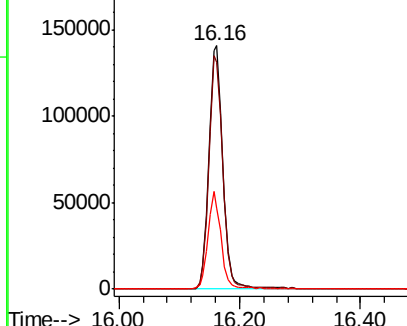
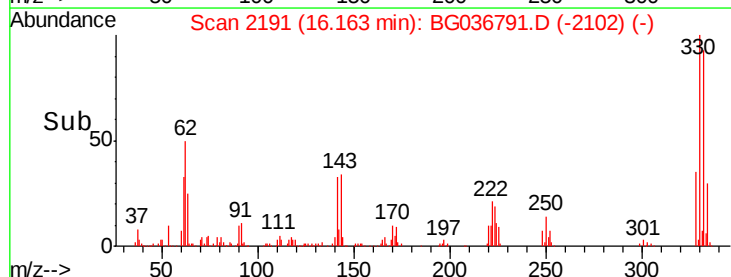
141 37.2 30.7 46.1

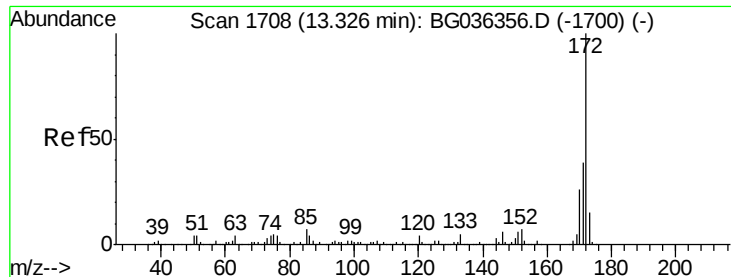


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

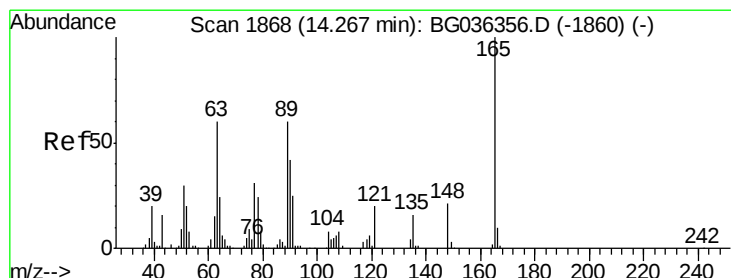
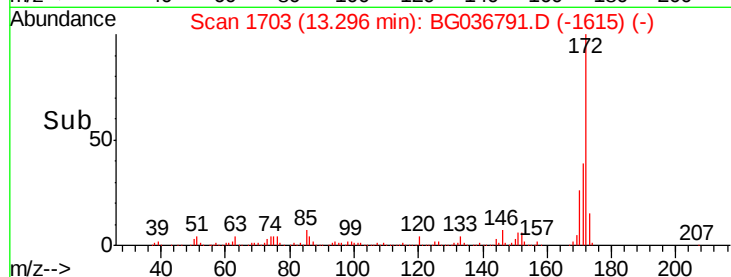
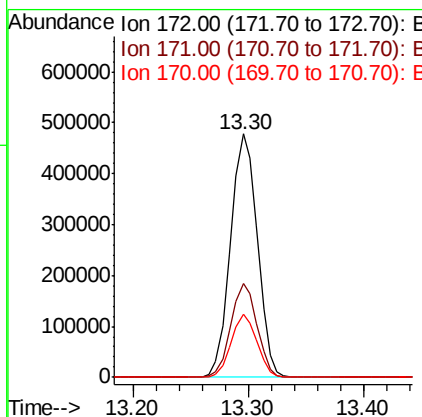
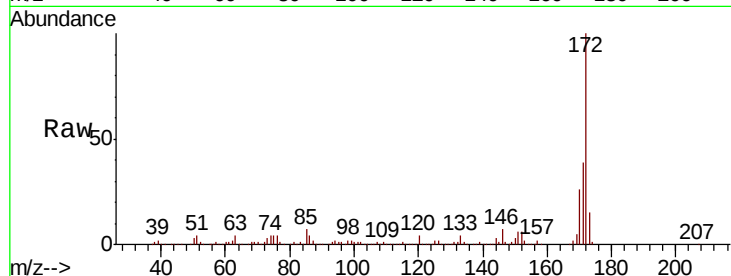




#44
 2-Fluorobiphenyl
 Concen: 79.992 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036791.D
 Acq: 18 Sep 2018 18:29

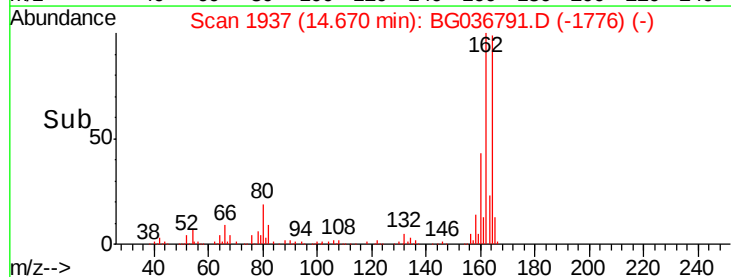
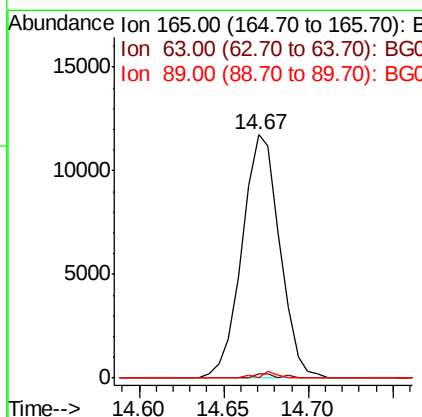
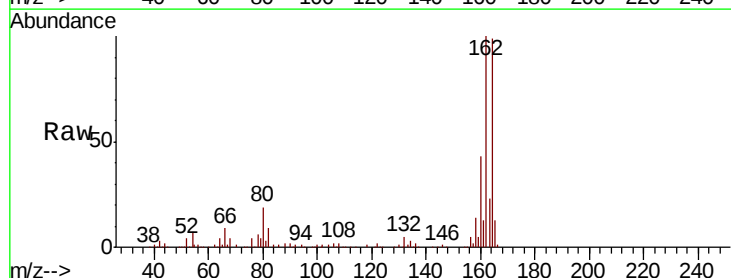
Instrument :
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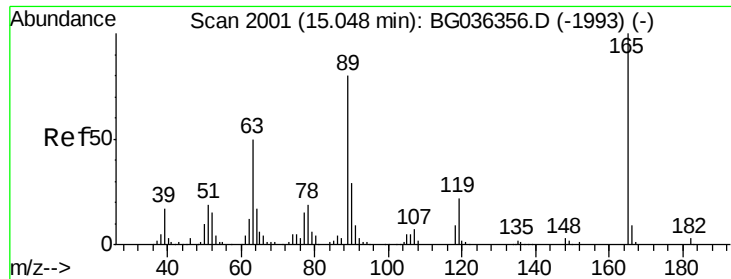
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.3	46.9
170	25.8	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.898 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.41 min
 Lab File: BG036791.D
 Acq: 18 Sep 2018 18:29

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

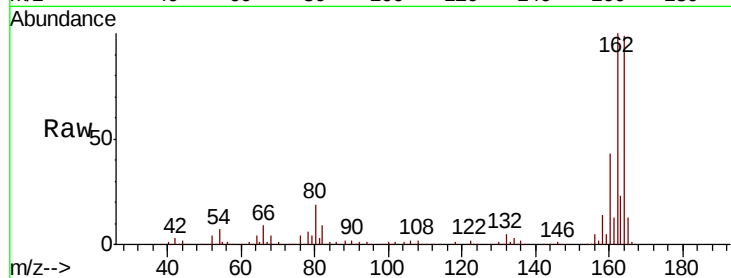




#56
 2,4-Dinitrotoluene
 Concen: 6.060 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.37 min
 Lab File: BG036791.D
 Acq: 18 Sep 2018 18:29

Instrument :
 BNA_G
 ClientSampleId :

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



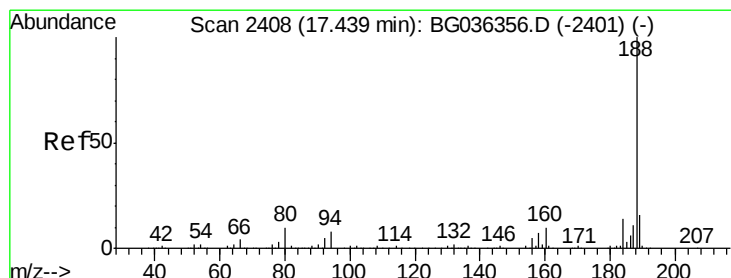
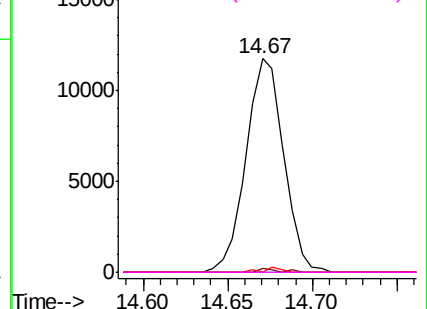
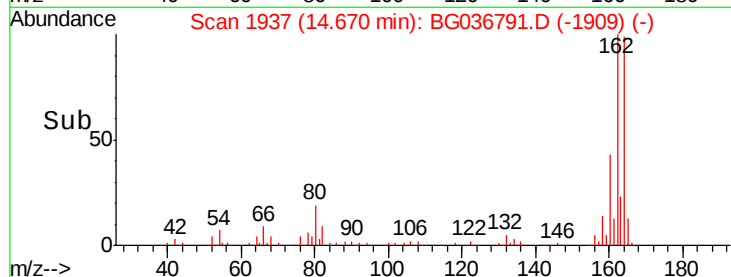
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

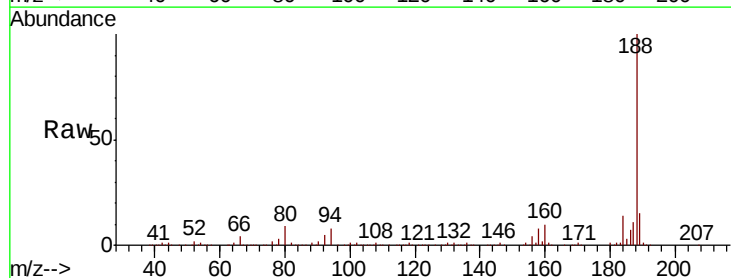
Ion 89.00 (88.70 to 89.70): BGC

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: BG036791.D
 Acq: 18 Sep 2018 18:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.6	8.1	12.1

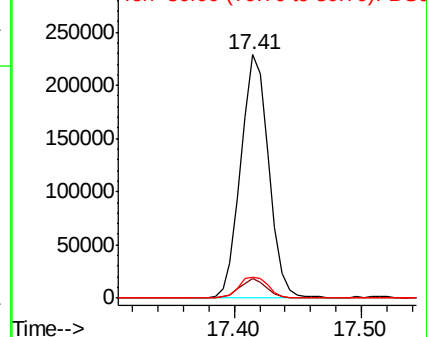
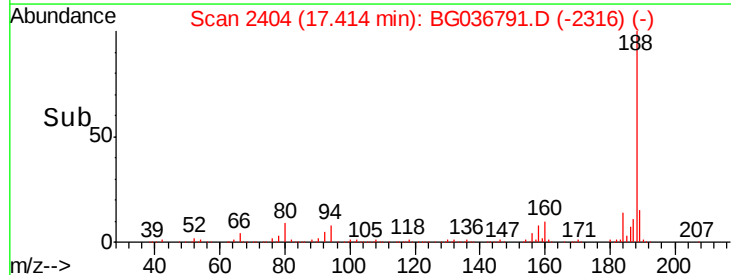


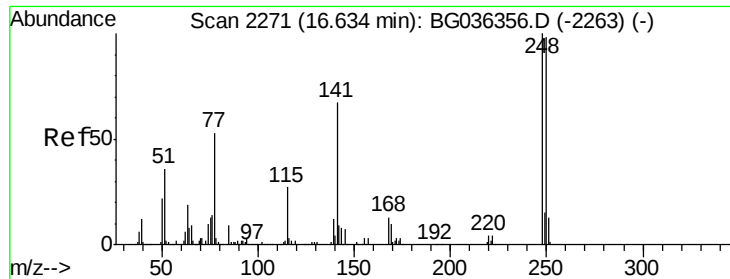
Abundance

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

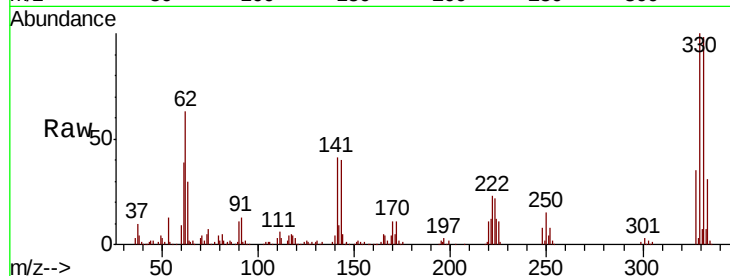




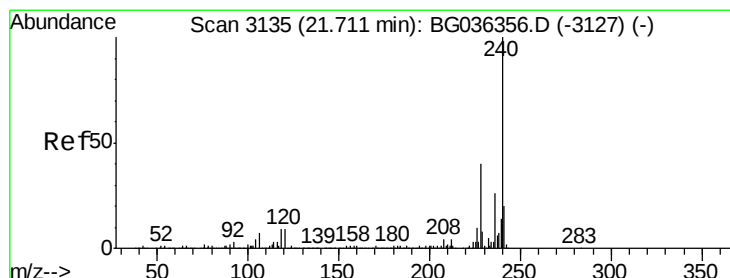
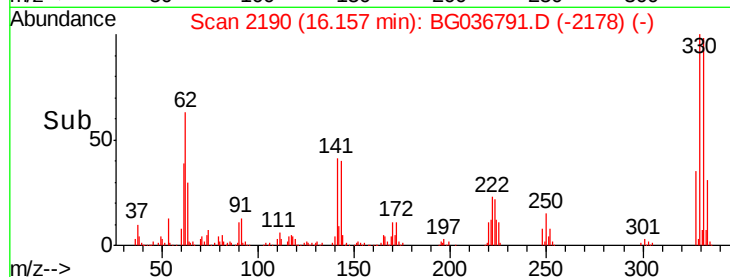
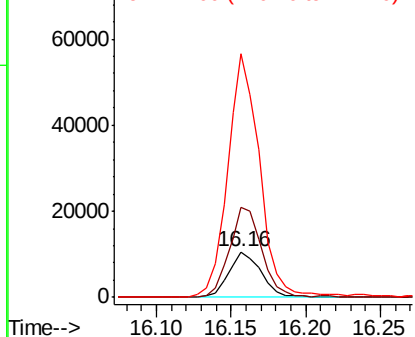
#66
4-Bromophenyl-phenylether
Concen: 3.942 ng
RT: 16.16 min Scan# 2190
Delta R.T. -0.46 min
Lab File: BG036791.D
Acq: 18 Sep 2018 18:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16102
Ion Ratio Lower Upper
248 100
250 197.2 78.1 117.1#
141 533.9 53.7 80.5#

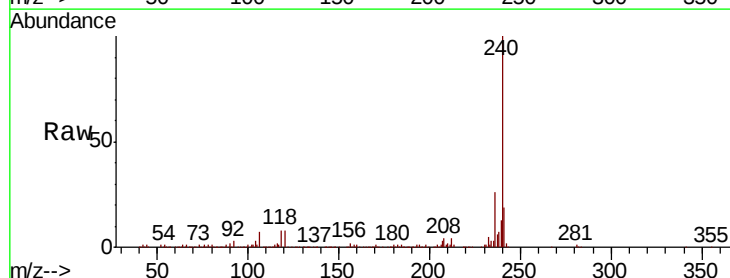


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

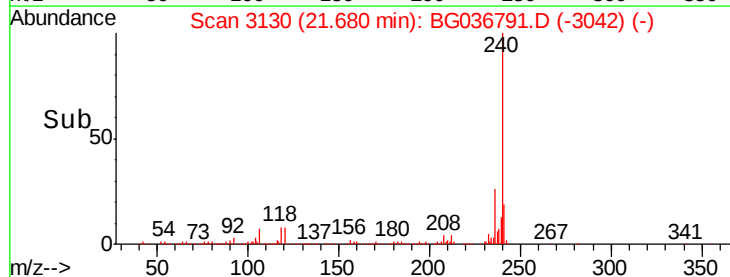
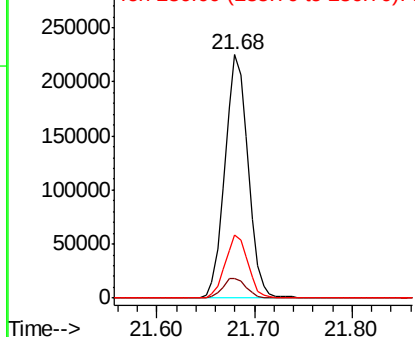


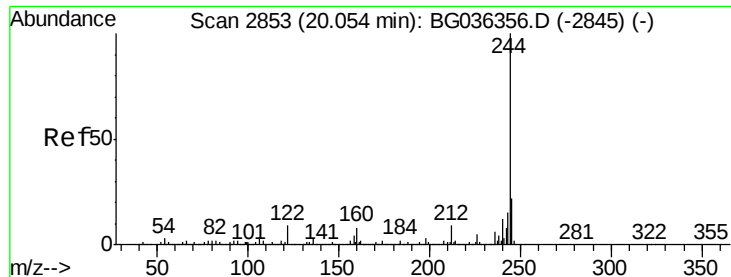
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG036791.D
Acq: 18 Sep 2018 18:29

Tgt Ion:240 Resp: 370841
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 25.8 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





#78

Terphenyl-d14

Concen: 82.003 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG036791.D

Acq: 18 Sep 2018 18:29

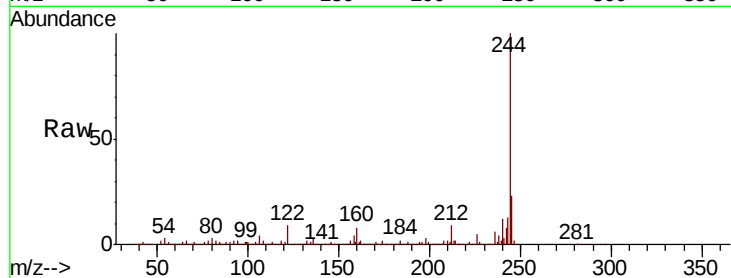
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1301056

Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	9.1	7.1	10.7

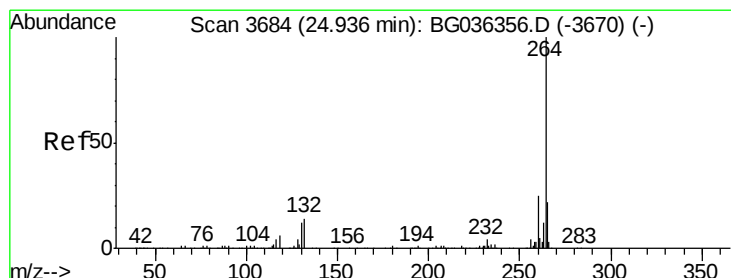
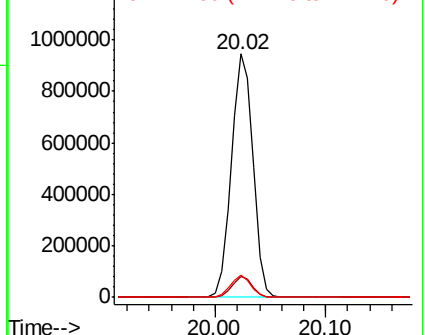
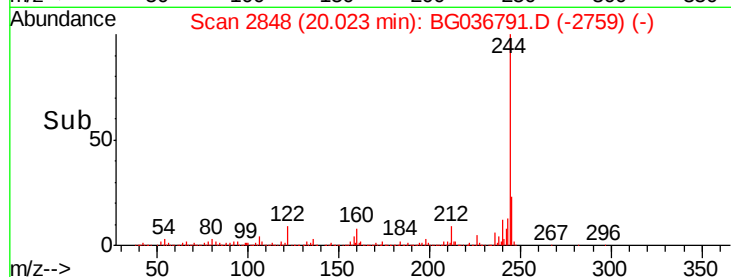


Abundance

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: 24.89 min Scan# 3677

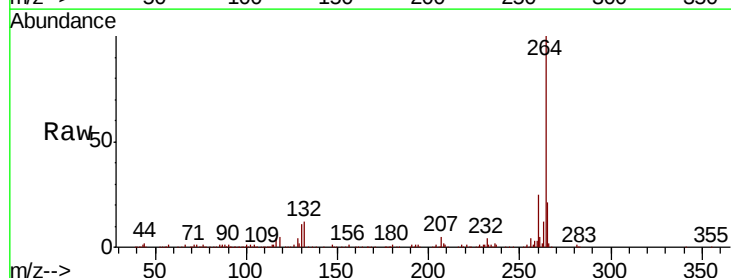
Delta R.T. -0.01 min

Lab File: BG036791.D

Acq: 18 Sep 2018 18:29

Tgt Ion:264 Resp: 369875

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	21.4	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

