

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092218\
 Data File : BG036903.D
 Acq On : 22 Sep 2018 22:04
 Operator : JU/SJ
 Sample : J5019-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 24 04:44:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

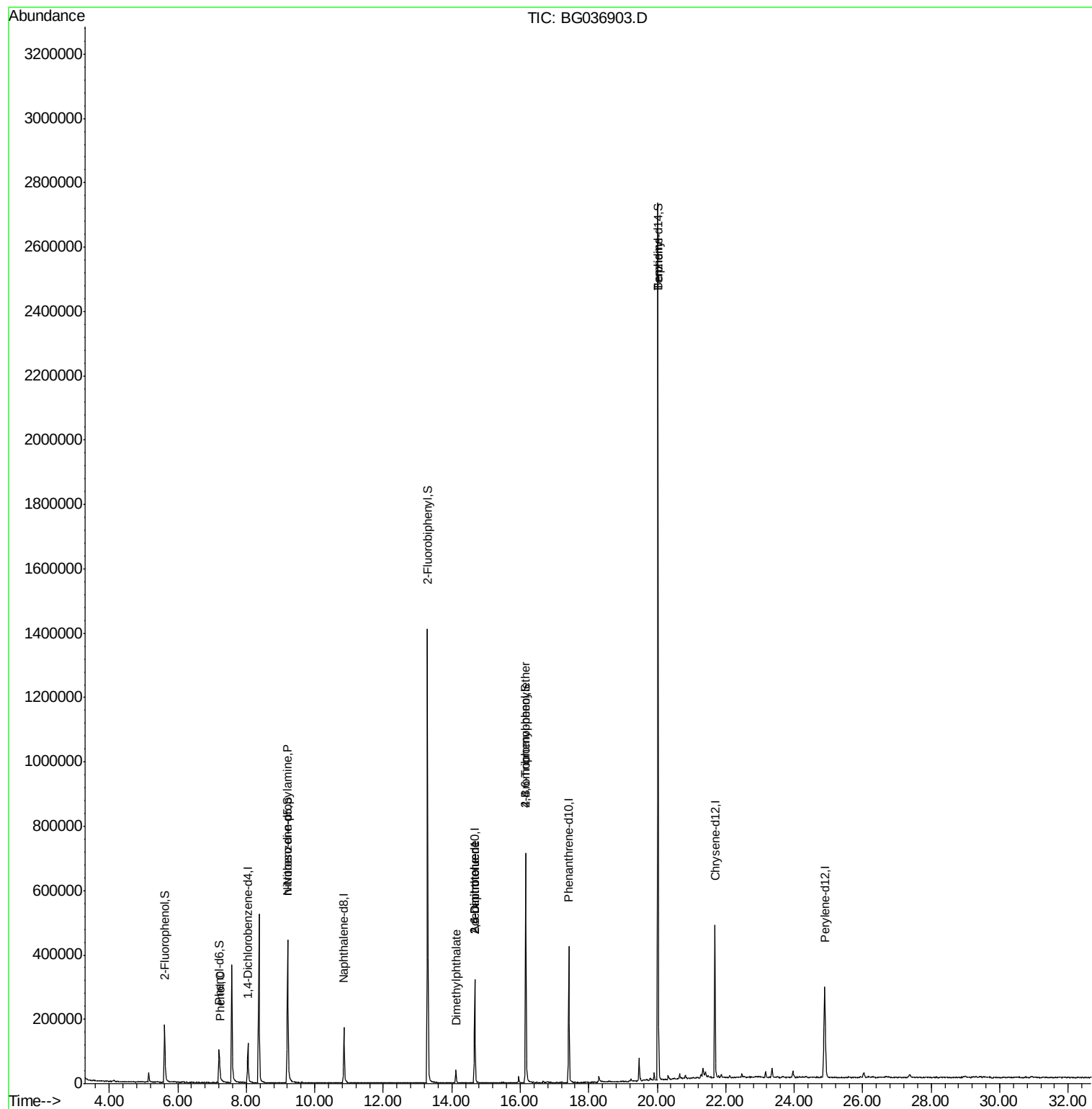
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	39402	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	173170	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	116533	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	303698	20.00	ng	0.00
75) Chrysene-d12	21.68	240	311158	20.00	ng	0.00
86) Perylene-d12	24.89	264	313098	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	93485	45.50	ng	0.00
7) Phenol-d6	7.20	99	79680	25.07	ng	-0.01
23) Nitrobenzene-d5	9.21	82	318209	98.40	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	148874	106.78	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	784889	100.32	ng	0.00
78) Terphenyl-d14	20.02	244	1316723	111.27	ng	0.00
Target Compounds						
10) Phenol	7.23	94	6609	2.015	ng	# 65
19) n-Nitroso-di-n-propylamine	9.20	70	43220	16.344	ng	# 68
49) Dimethylphthalate	14.12	163	32282	3.442	ng	# 99
50) 2,6-Dinitrotoluene	14.67	165	14740	7.202	ng	# 22
56) 2,4-Dinitrotoluene	14.67	165	14740	5.161	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	10485	3.035	ng	# 1
76) Benzidine	20.02	184	24532	2.608	ng	# 93

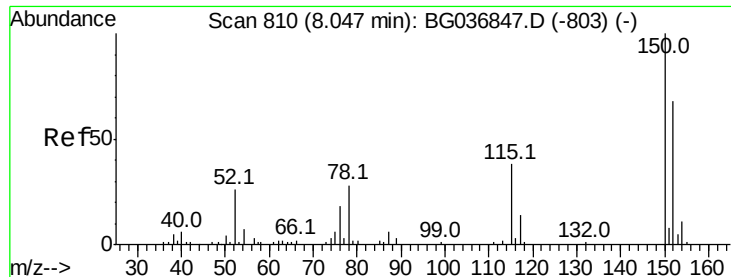
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



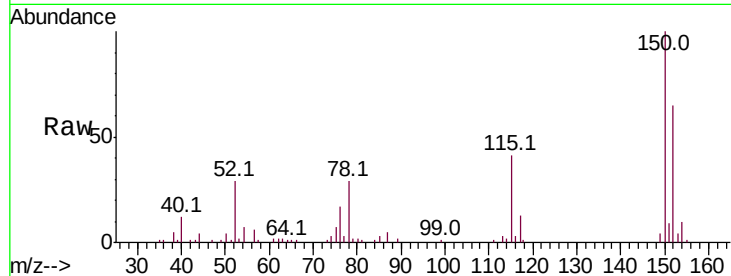


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 810
Delta R.T. 0.00 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	119.5	179.3
115	63.7	44.5	66.7

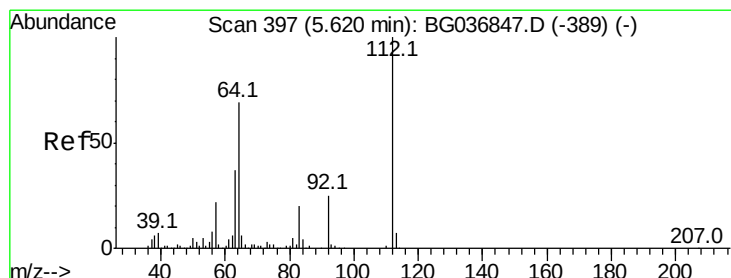
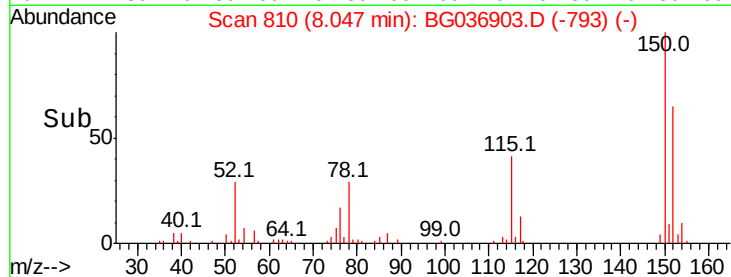
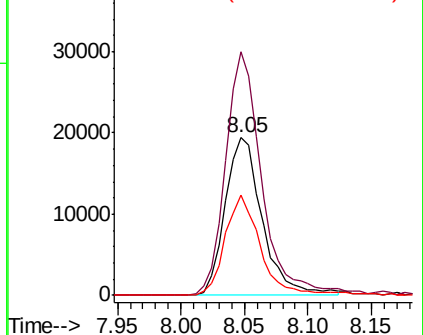


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

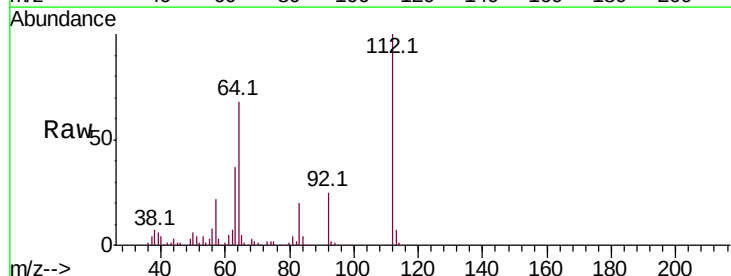
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.501 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	57.2	85.8
63	36.7	30.8	46.2

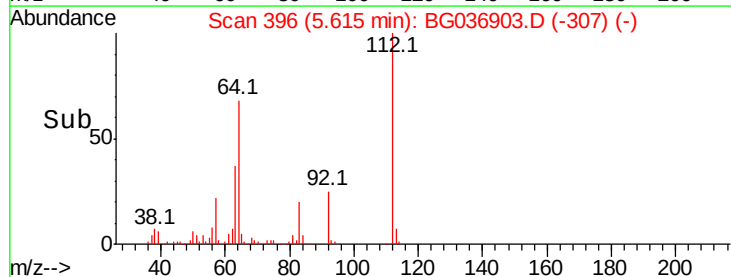
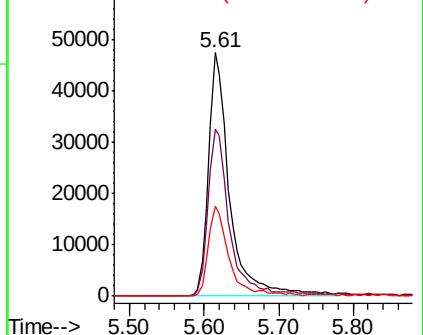


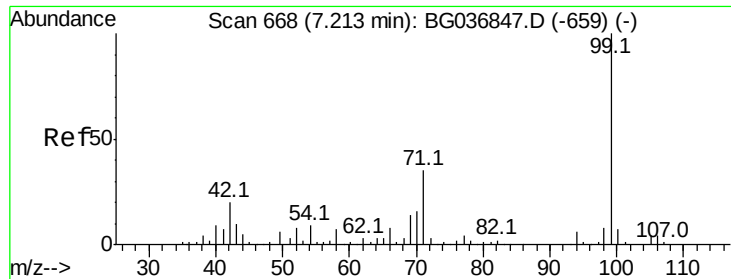
Abundance

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: 25.066 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG036903.D

Acq: 22 Sep 2018 22:04

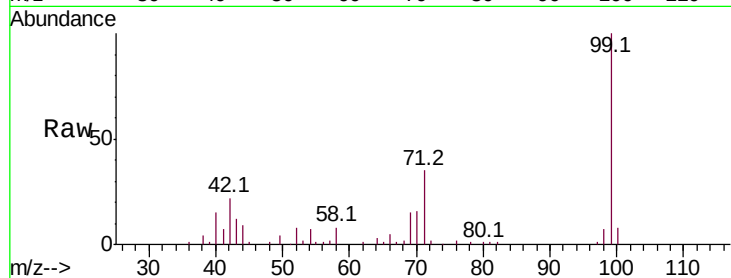
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 79680

Ion	Ratio	Lower	Upper
99	100		
42	21.9	16.5	24.7
71	34.6	29.4	44.2

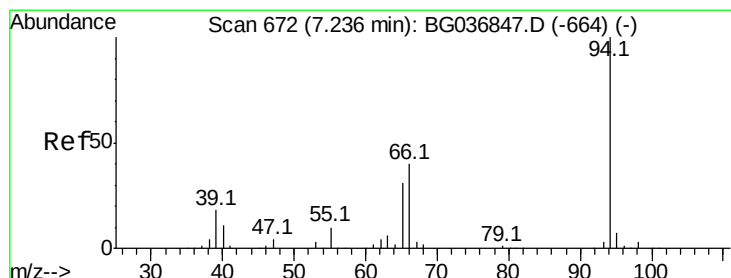
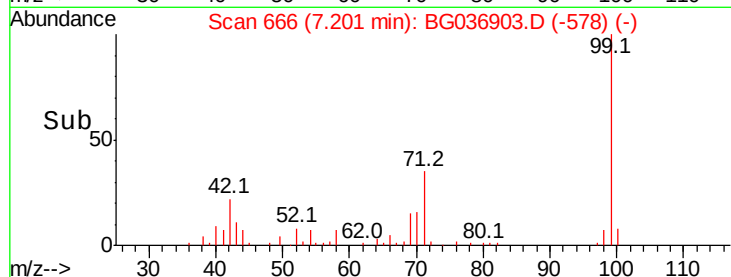
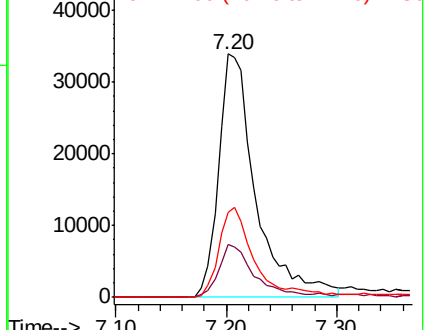


Abundance

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



#10

Phenol

Concen: 2.015 ng

RT: 7.23 min Scan# 671

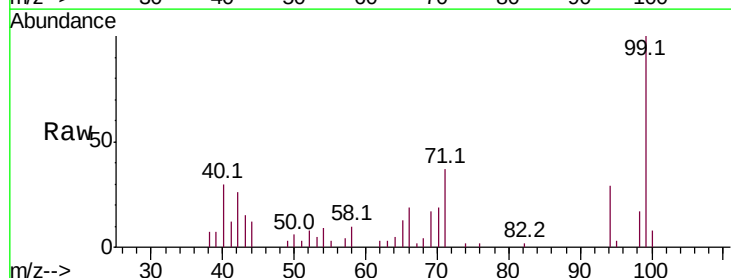
Delta R.T. -0.01 min

Lab File: BG036903.D

Acq: 22 Sep 2018 22:04

Tgt Ion: 94 Resp: 6609

Ion	Ratio	Lower	Upper
94	100		
65	44.5	11.5	51.5
66	66.2	19.5	59.5

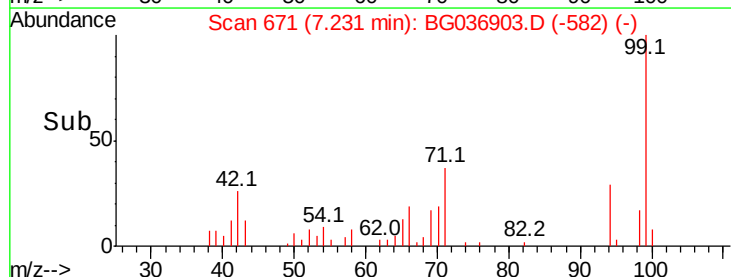
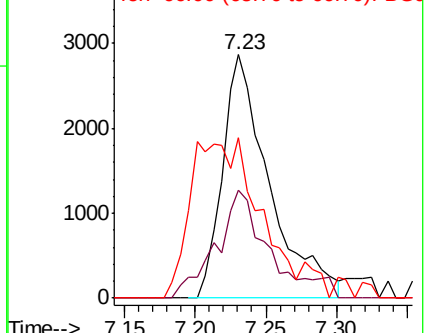


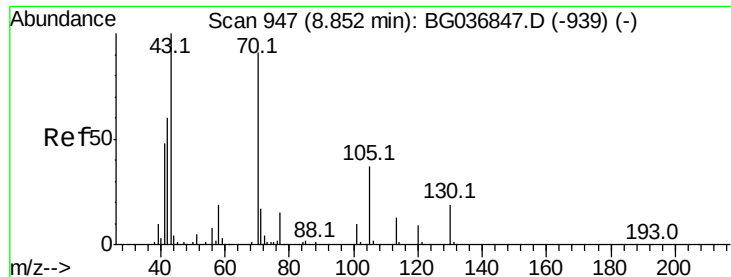
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

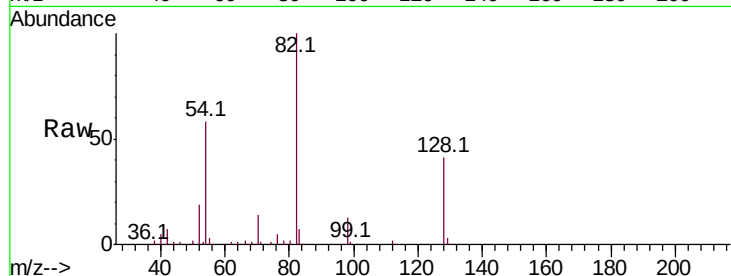




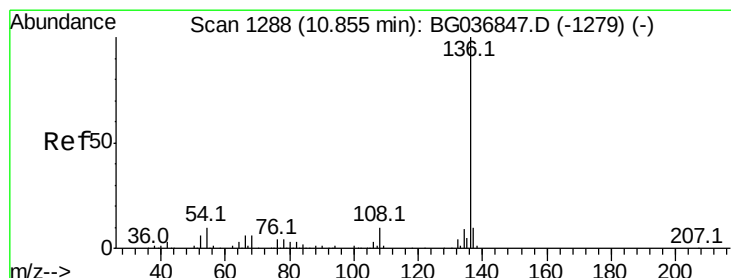
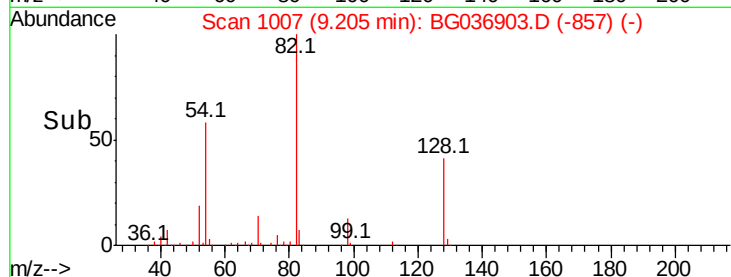
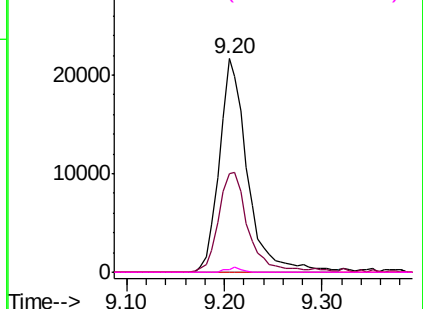
#19
n-Nitroso-di-n-propylamine
Concen: 16.344 ng
RT: 9.20 min Scan# 1007
Delta R.T. 0.35 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 43220
Ion Ratio Lower Upper
70 100
42 45.9 56.2 84.4#
101 0.0 7.8 11.6#
130 1.4 16.2 24.2#

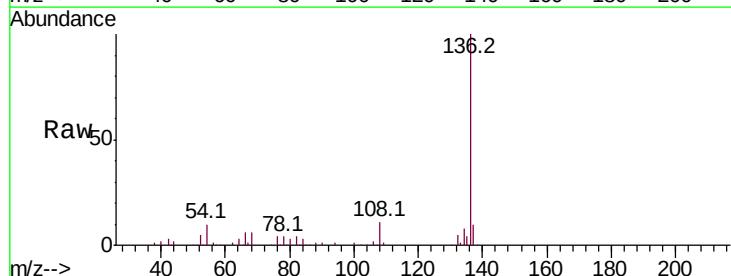


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

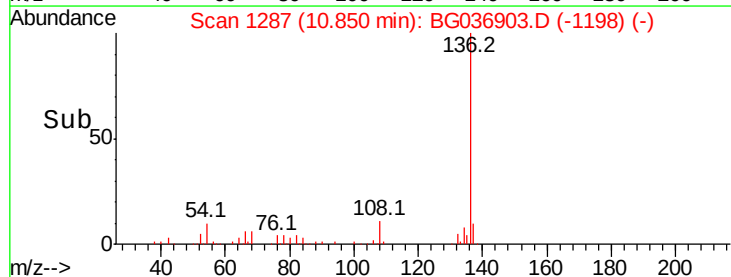
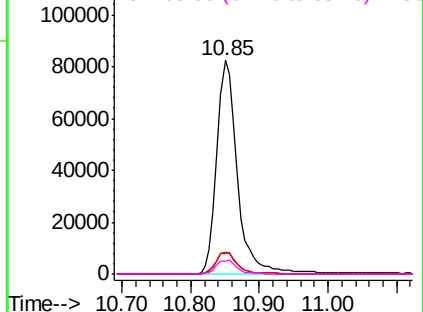


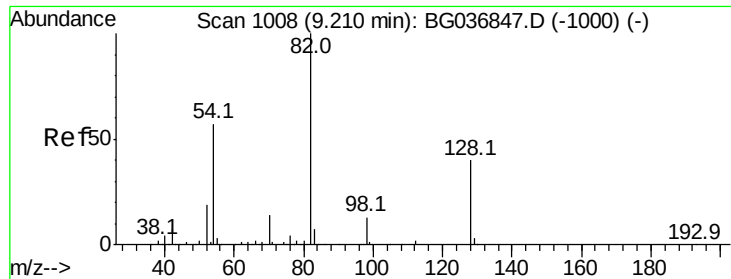
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Tgt Ion:136 Resp: 173170
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 9.7 9.2 13.8
68 5.9 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

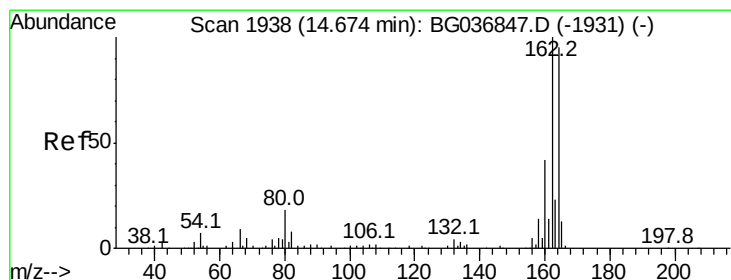
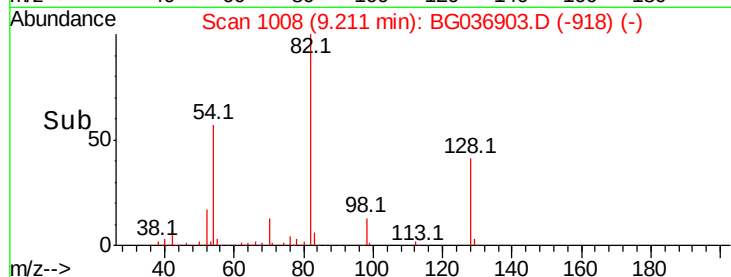
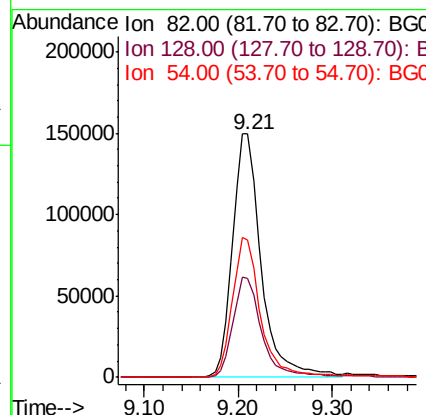
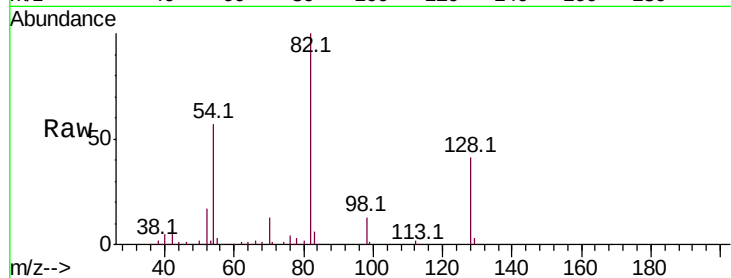




#23
Nitrobenzene-d5
Concen: 98.403 ng
RT: 9.21 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

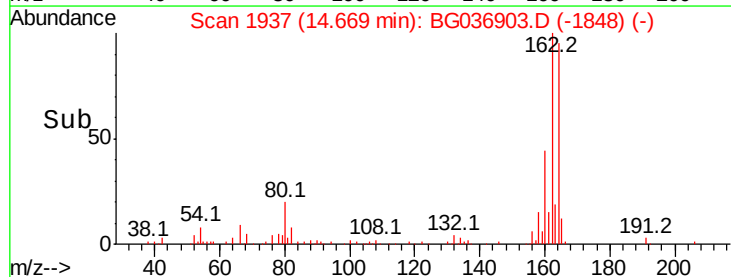
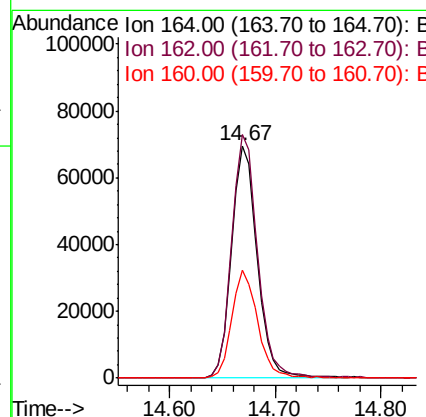
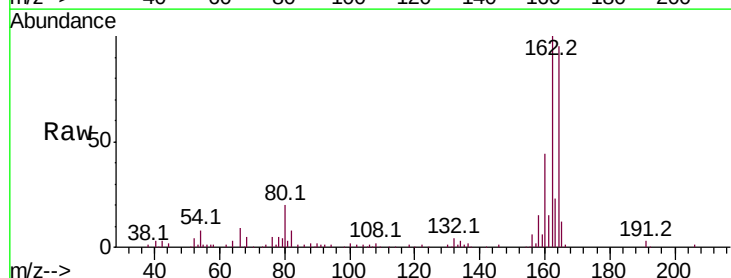
Instrument :
BNA_G
ClientSampleId :

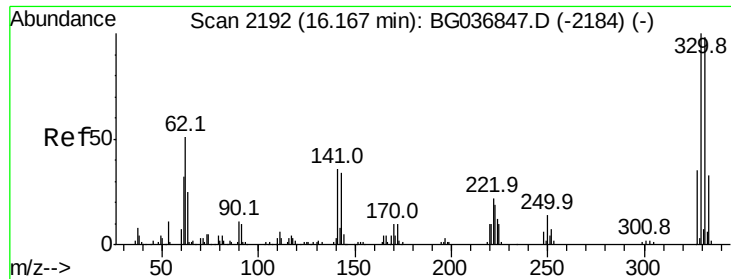
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.3	49.9
54	56.5	45.1	67.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	80.7	121.1
160	46.5	35.3	52.9

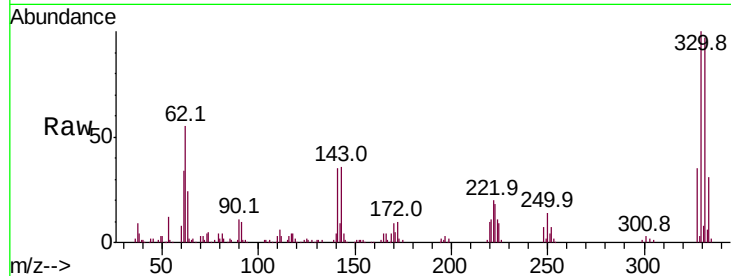




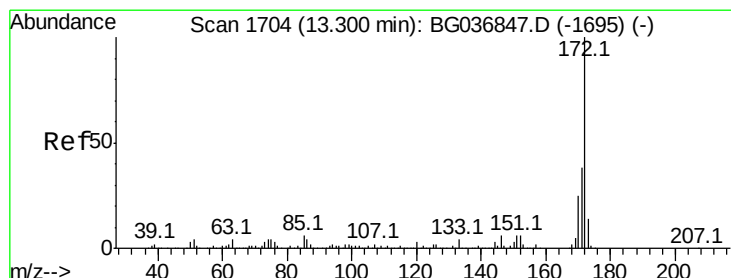
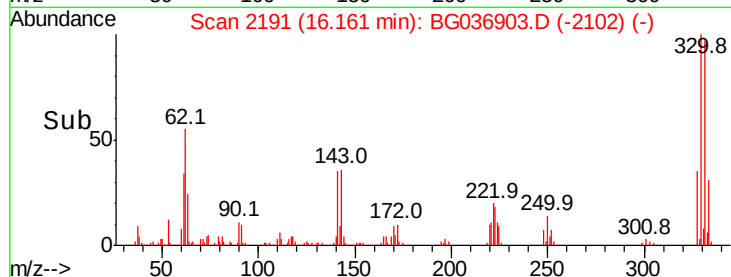
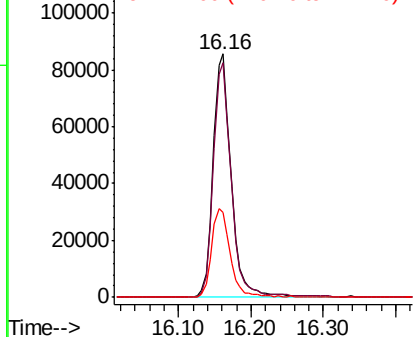
#41
 2,4,6-Tribromophenol
 Concen: 106.777 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: BG036903.D
 Acq: 22 Sep 2018 22:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 148874
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.4 113.2
 141 37.7 30.7 46.1

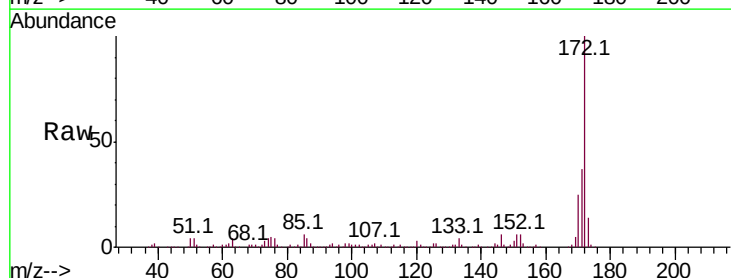


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

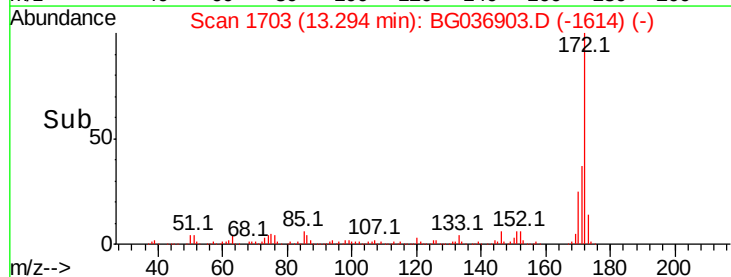
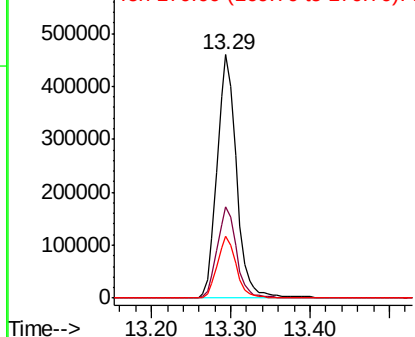


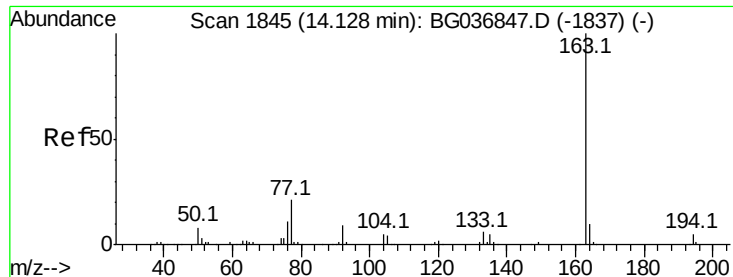
#44
 2-Fluorobiphenyl
 Concen: 100.315 ng
 RT: 13.29 min Scan# 1703
 Delta R.T. -0.01 min
 Lab File: BG036903.D
 Acq: 22 Sep 2018 22:04

Tgt Ion:172 Resp: 784889
 Ion Ratio Lower Upper
 172 100
 171 37.3 31.3 46.9
 170 25.2 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: 3.442 ng

RT: 14.12 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BG036903.D

Acq: 22 Sep 2018 22:04

Instrument :

BNA_G

ClientSampled :

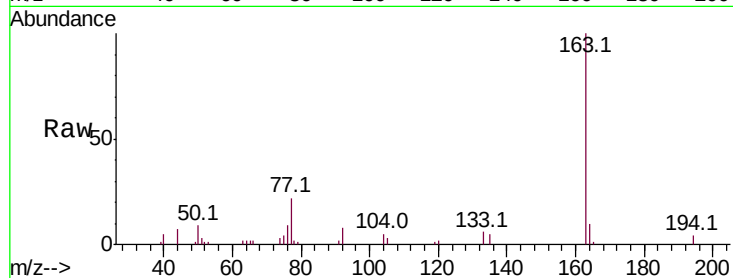
Tot Ion:163 Resp: 32282

Ion Ratio Lower Upper

163 100

194 4.3 4.0 6.0

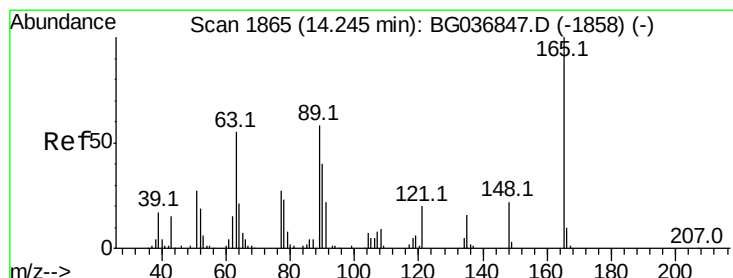
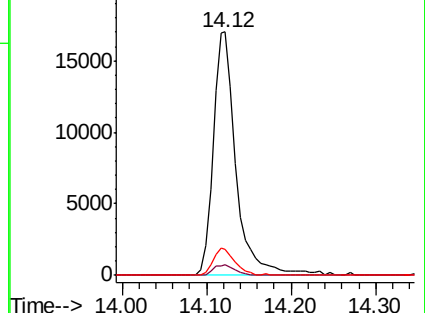
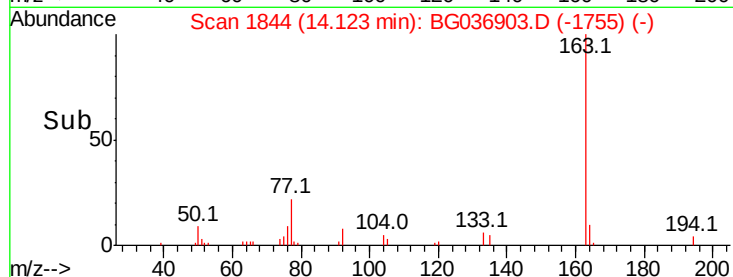
164 10.5 8.1 12.1



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: 7.202 ng

RT: 14.67 min Scan# 1937

Delta R.T. 0.42 min

Lab File: BG036903.D

Acq: 22 Sep 2018 22:04

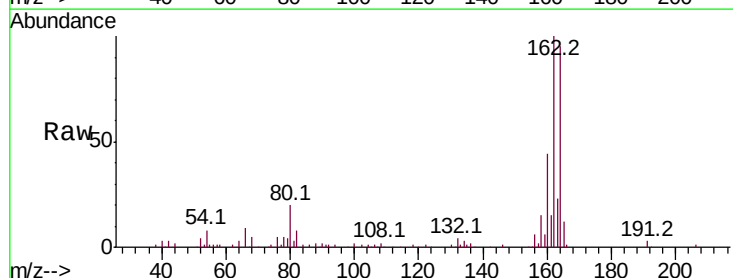
Tgt Ion:165 Resp: 14740

Ion Ratio Lower Upper

165 100

63 0.0 50.1 75.1#

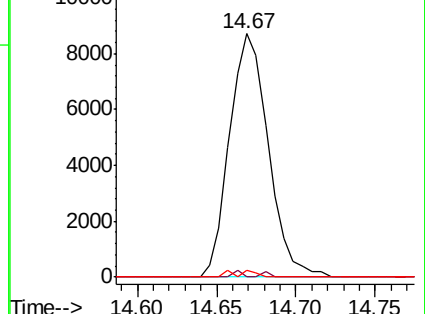
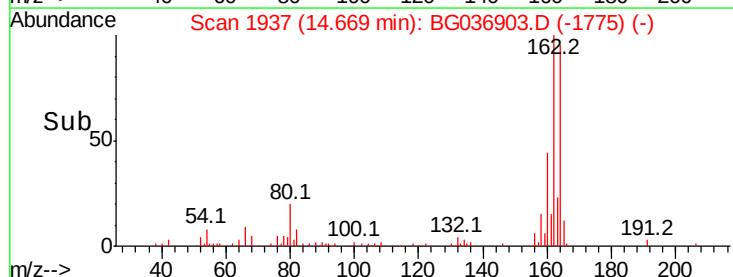
89 3.0 47.8 71.6#

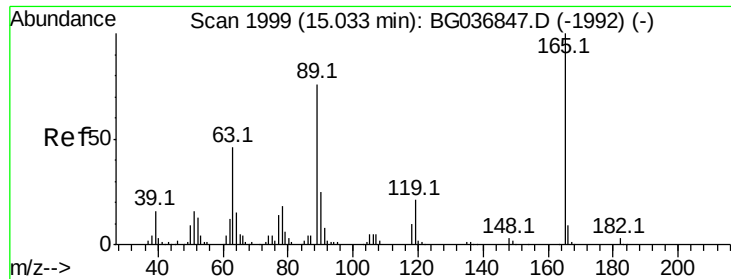


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

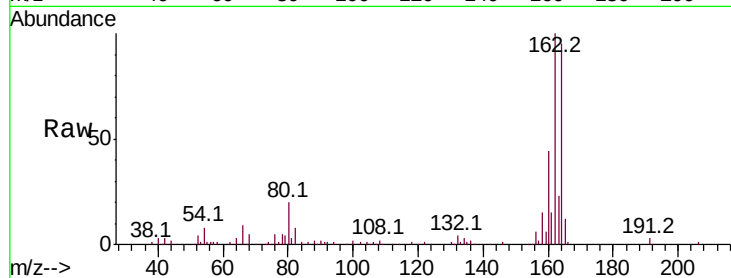




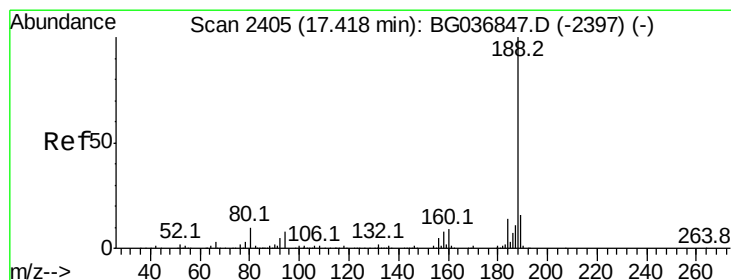
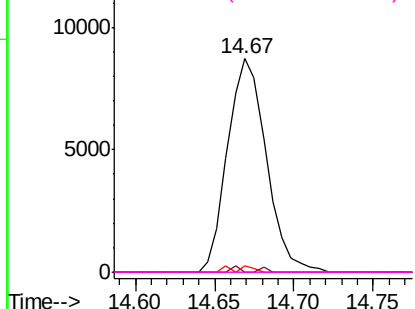
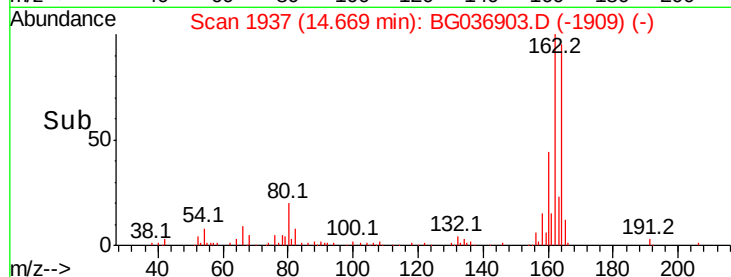
#56
 2,4-Dinitrotoluene
 Concen: 5.161 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036903.D
 Acq: 22 Sep 2018 22:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 14740
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.1 60.1#
 89 3.0 63.7 95.5#
 182 0.0 2.5 3.7#

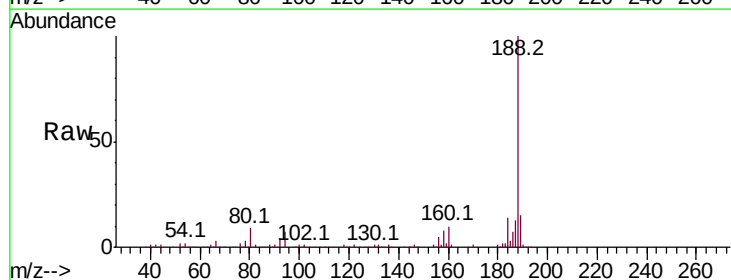


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

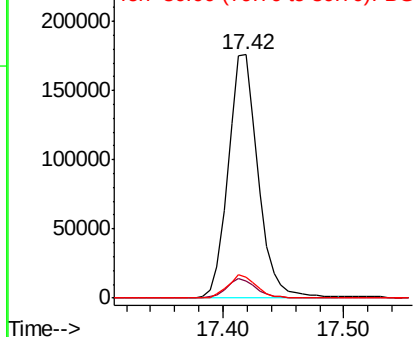
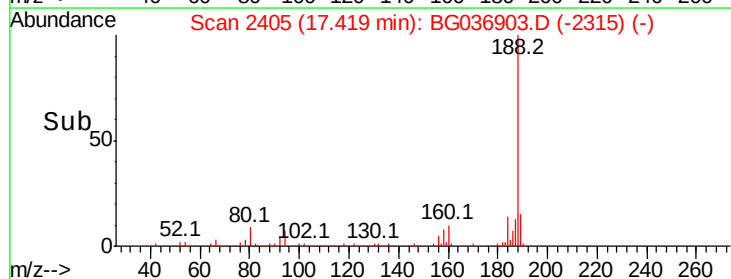


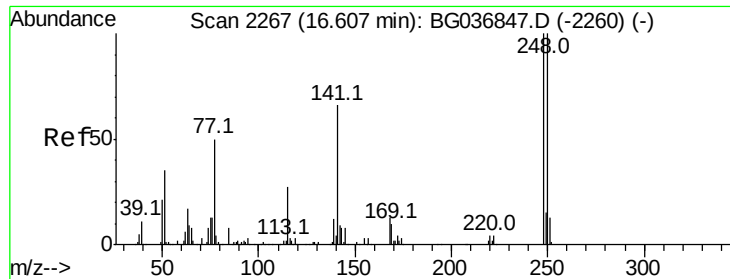
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. 0.00 min
 Lab File: BG036903.D
 Acq: 22 Sep 2018 22:04

Tgt Ion:188 Resp: 303698
 Ion Ratio Lower Upper
 188 100
 94 7.2 6.7 10.1
 80 8.8 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

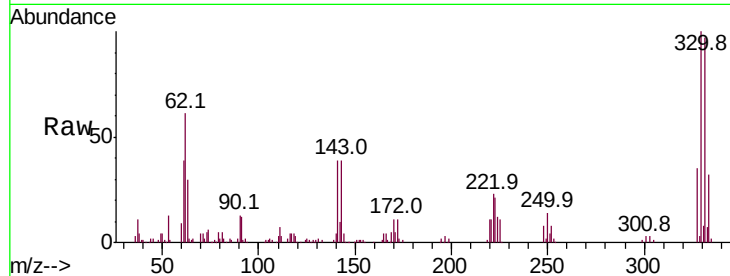




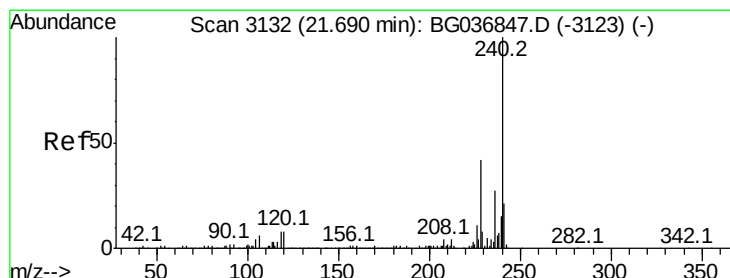
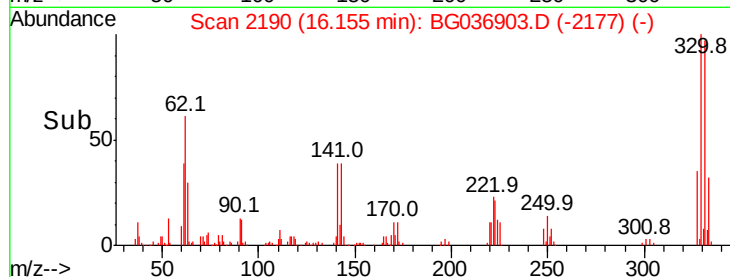
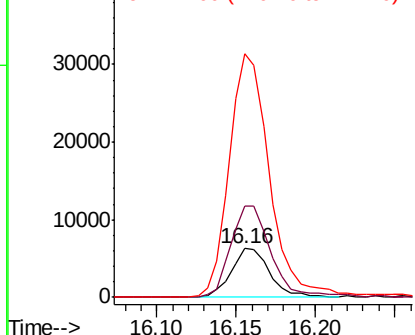
#66
 4-Bromophenyl-phenylether
 Concen: 3.035 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG036903.D
 Acq: 22 Sep 2018 22:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 10485
 Ion Ratio Lower Upper
 248 100
 250 187.1 78.1 117.1#
 141 502.0 53.7 80.5#

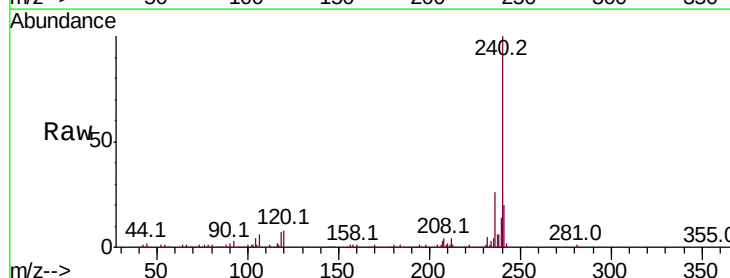


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

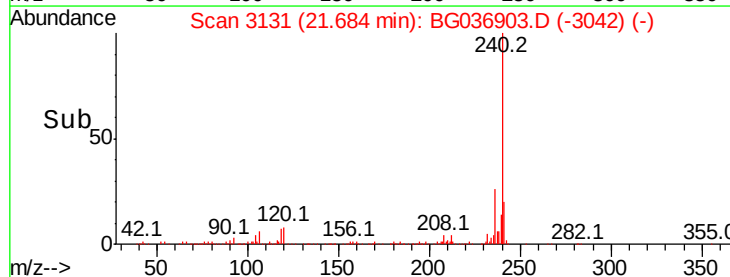
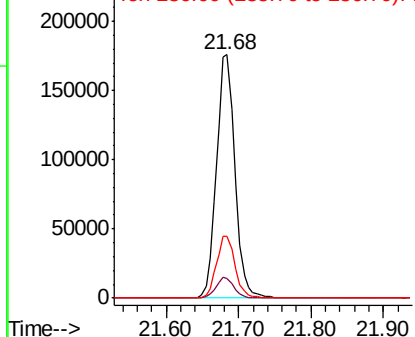


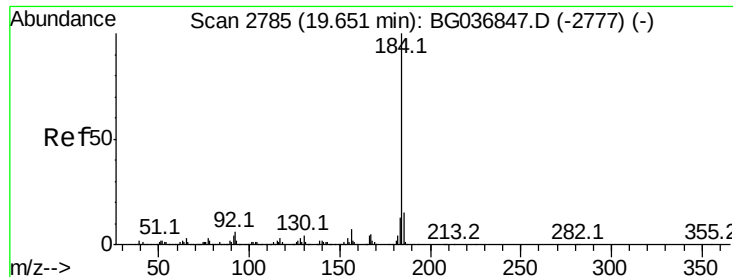
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BG036903.D
 Acq: 22 Sep 2018 22:04

Tgt Ion:240 Resp: 311158
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.9 10.3
 236 25.6 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

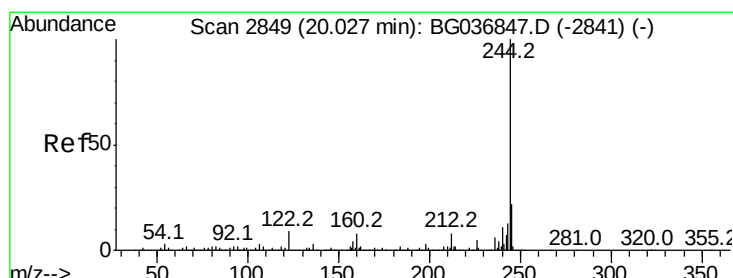
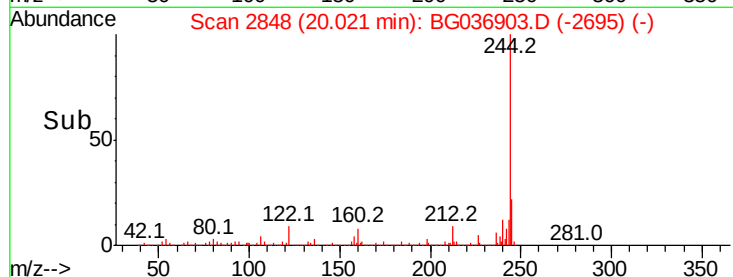
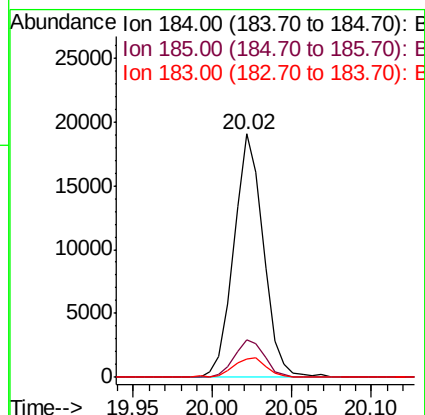
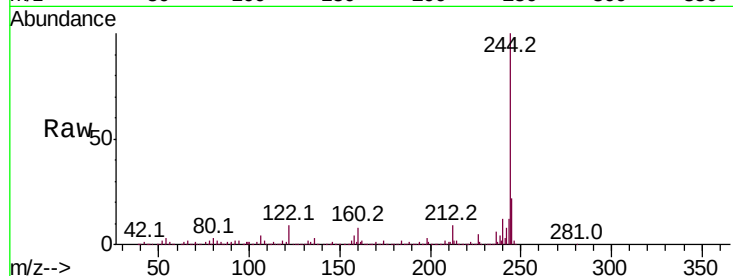




#76
Benzidine
Concen: 2.608 ng
RT: 20.02 min Scan# 2848
Delta R.T. 0.37 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

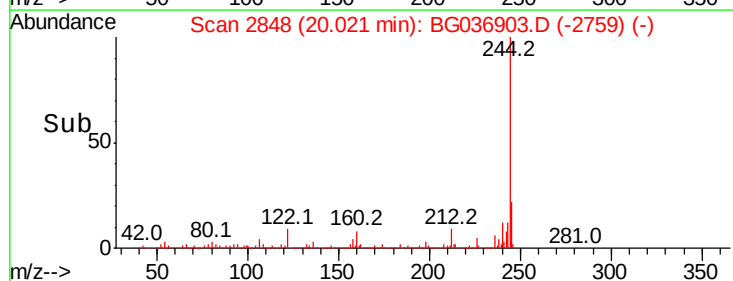
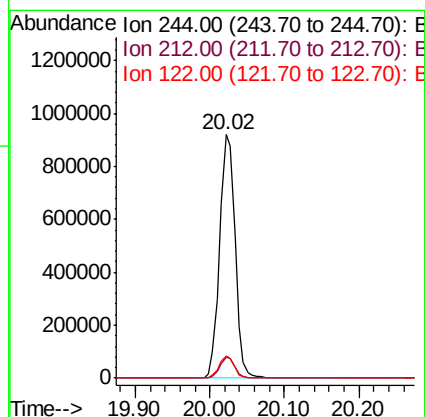
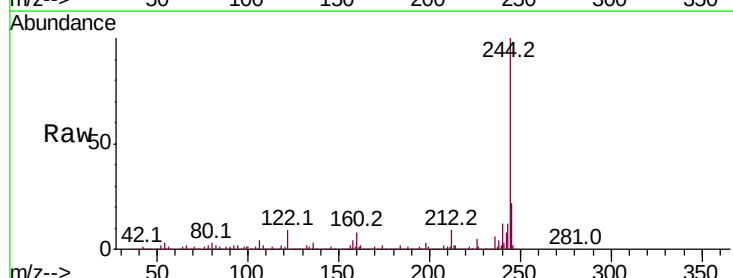
Instrument :
BNA_G
ClientSampleId :

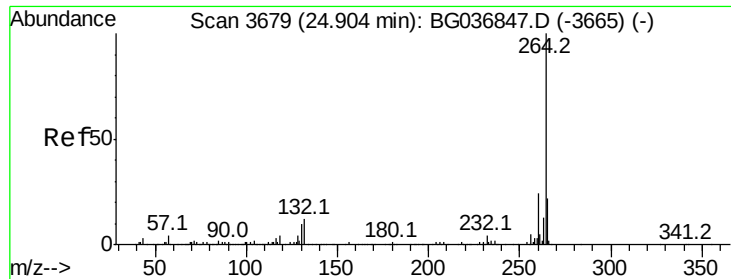
Tot Ion:184 Resp: 24532
Ion Ratio Lower Upper
184 100
185 15.6 12.6 18.8
183 7.7 10.9 16.3#



#78
Terphenyl-d14
Concen: 111.272 ng
RT: 20.02 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Tgt Ion:244 Resp: 1316723
Ion Ratio Lower Upper
244 100
212 8.5 7.0 10.6
122 9.1 7.1 10.7

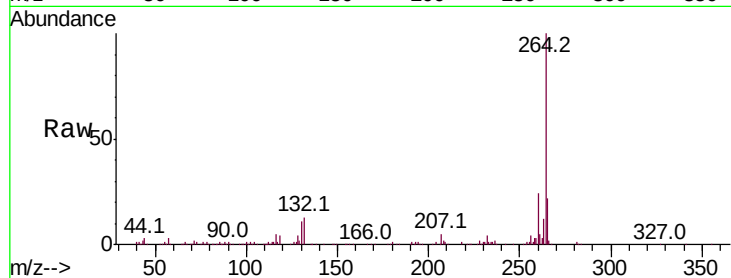




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036903.D
Acq: 22 Sep 2018 22:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	264	Resp:	313098
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	21.9	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

