

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092618\
 Data File : BG037004.D
 Acq On : 27 Sep 2018 6:13
 Operator : JU/SJ
 Sample : J5081-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 27 08:11:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

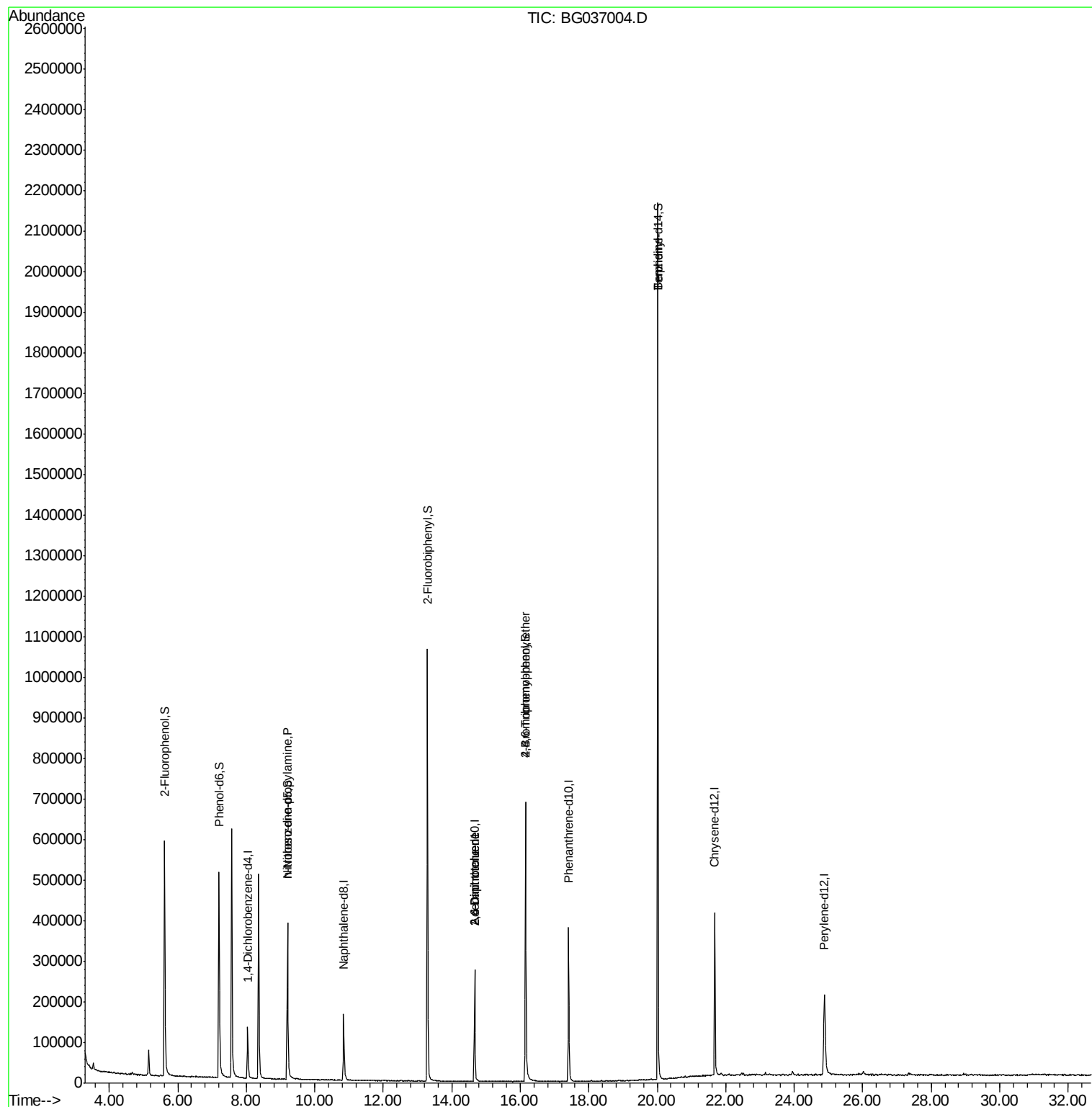
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	40097	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	161263	20.00	ng	-0.01
38) Acenaphthene-d10	14.67	164	102087	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	266926	20.00	ng	0.00
75) Chrysene-d12	21.68	240	276500	20.00	ng	-0.01
86) Perylene-d12	24.88	264	262775	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	267481	127.93	ng	0.00
7) Phenol-d6	7.20	99	325832	100.73	ng	-0.01
23) Nitrobenzene-d5	9.20	82	286685	95.20	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	144590	118.38	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	594484	86.73	ng	-0.01
78) Terphenyl-d14	20.02	244	1049821	99.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	38761	14.404	ng	# 76
50) 2,6-Dinitrotoluene	14.67	165	12979	7.239	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	12979	5.188	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	10198	3.359	ng	# 1
76) Benzidine	20.02	184	18720	2.240	ng	# 93

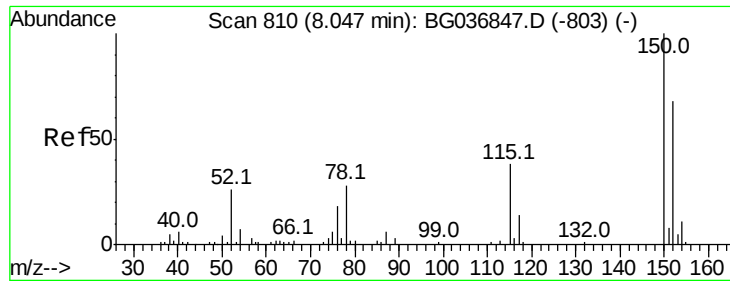
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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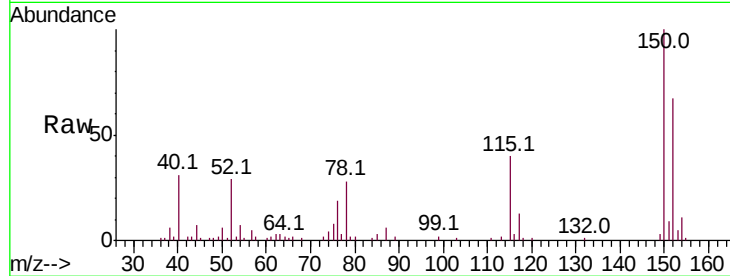


#1

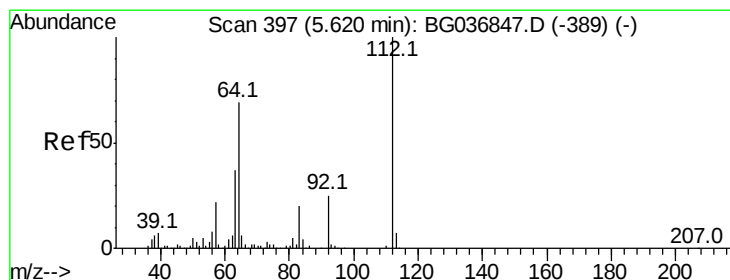
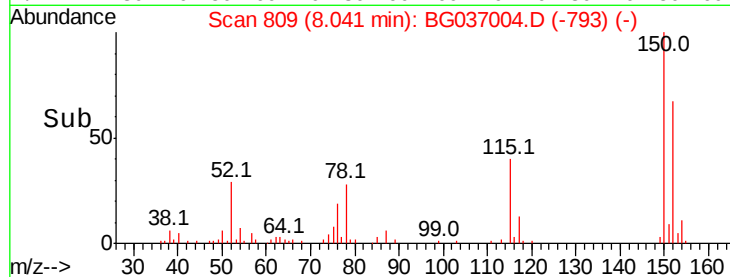
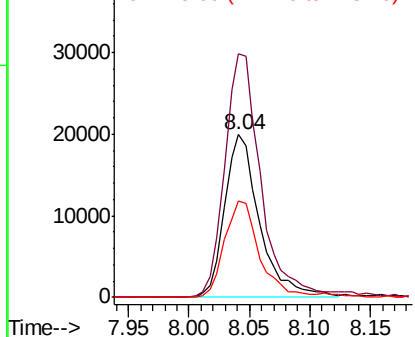
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 809
Delta R.T. -0.01 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	119.5	179.3
115	59.3	44.5	66.7



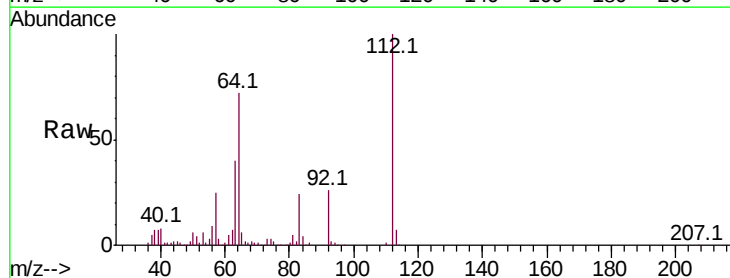
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



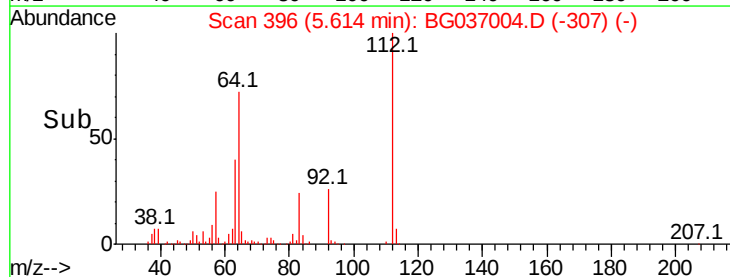
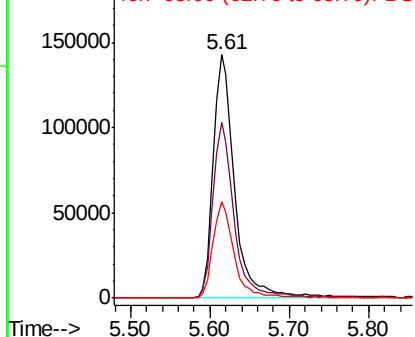
#5

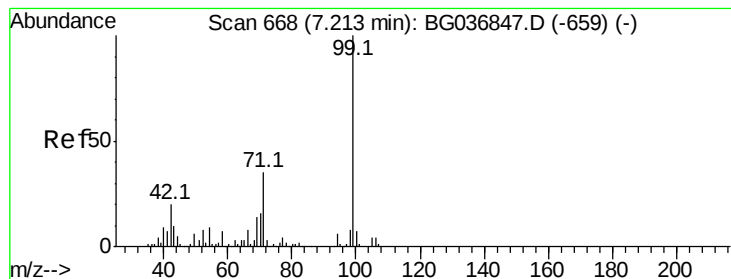
2-Fluorophenol
Concen: 127.932 ng
RT: 5.61 min Scan# 396
Delta R.T. -0.01 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.2	57.2	85.8
63	39.6	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: 100.726 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037004.D

Acq: 27 Sep 2018 6:13

Instrument :

BNA_G

ClientSampleId :

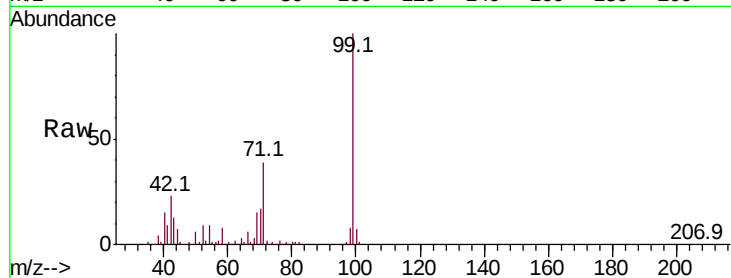
Tot Ion: 99 Resp: 325832

Ion Ratio Lower Upper

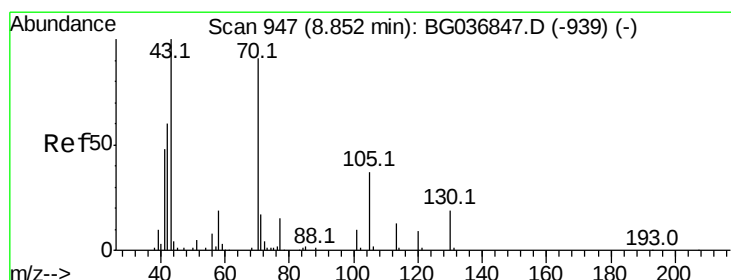
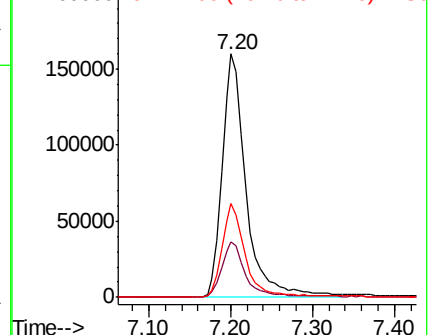
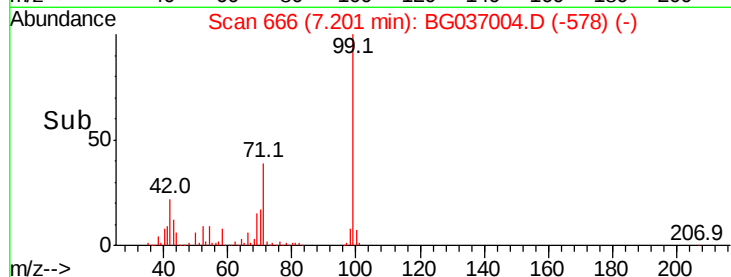
99 100

42 22.5 16.5 24.7

71 38.7 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: 14.404 ng

RT: 9.20 min Scan# 1007

Delta R.T. 0.35 min

Lab File: BG037004.D

Acq: 27 Sep 2018 6:13

Tgt Ion: 70 Resp: 38761

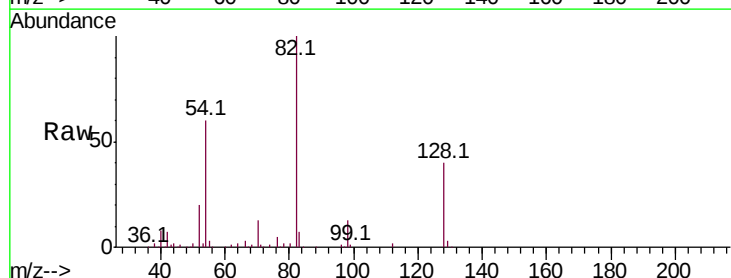
Ion Ratio Lower Upper

70 100

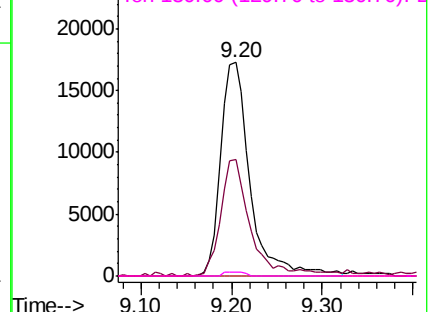
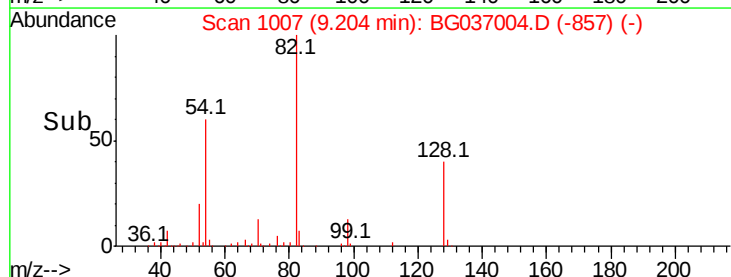
42 54.7 56.2 84.4#

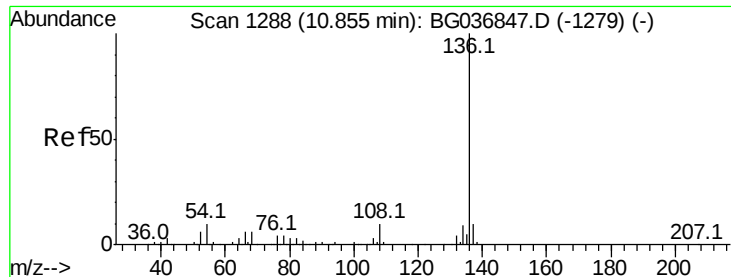
101 0.0 7.8 11.6#

130 2.1 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

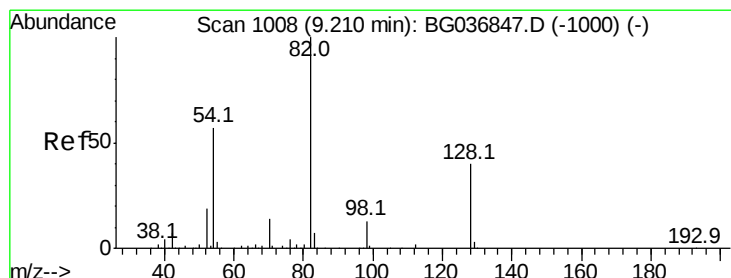
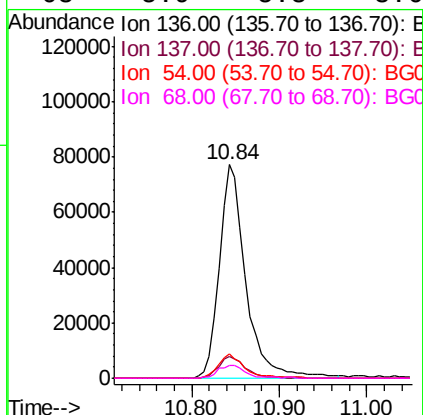
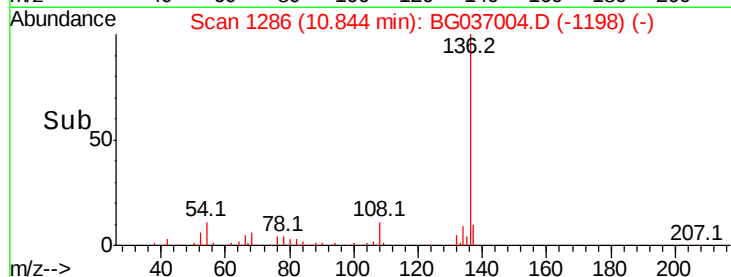
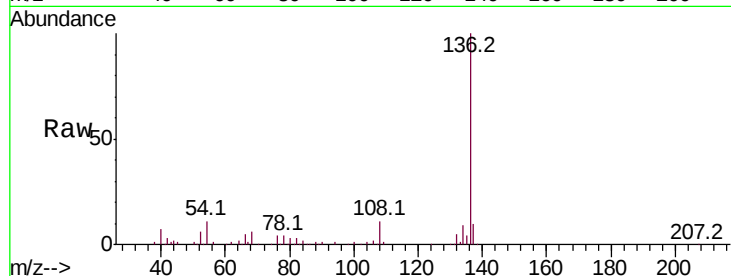




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

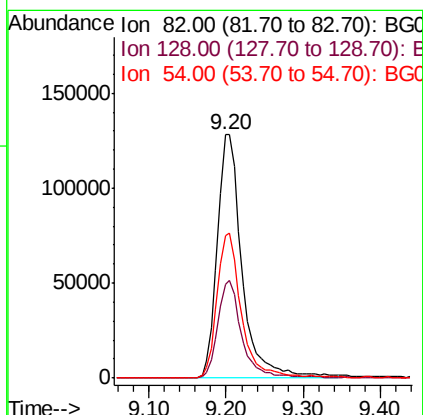
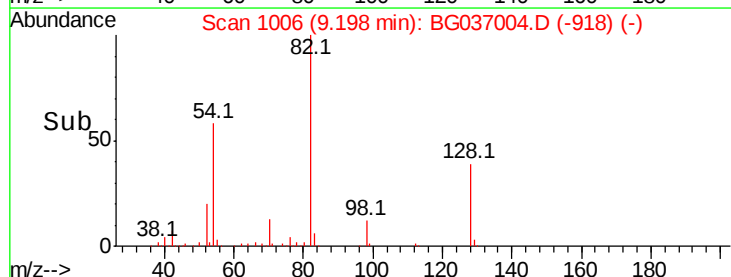
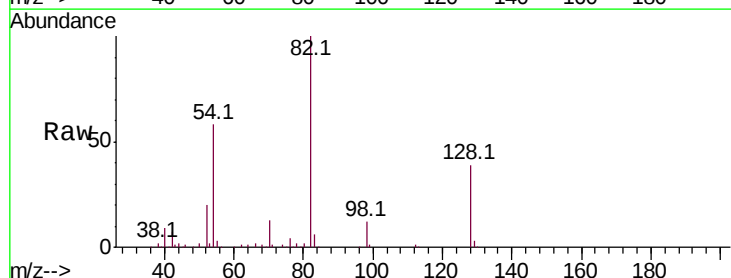
Instrument :
BNA_G
ClientSampleId :

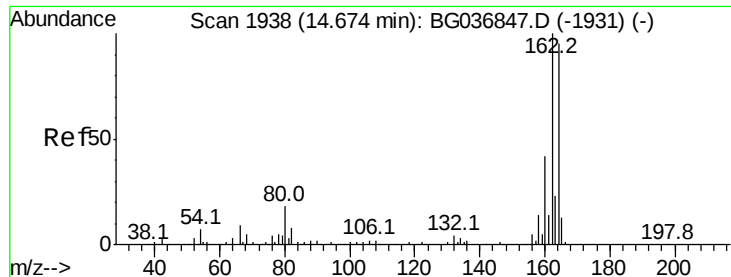
Tot Ion:136	Resp:	161263
Ion	Ratio	Lower Upper
136	100	
137	10.4	8.8 13.2
54	11.2	9.2 13.8
68	5.9	5.8 8.6



#23
Nitrobenzene-d5
Concen: 95.200 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

Tgt Ion: 82	Resp:	286685
Ion	Ratio	Lower Upper
82	100	
128	38.7	33.3 49.9
54	58.5	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: BG037004.D

Acq: 27 Sep 2018 6:13

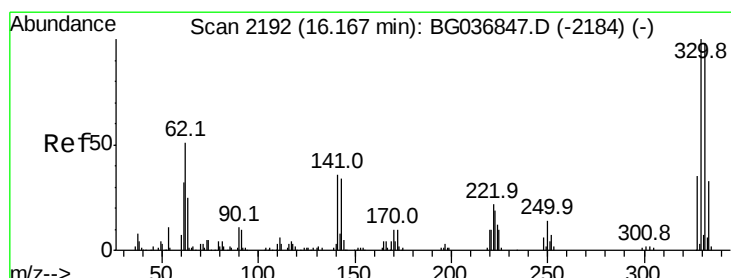
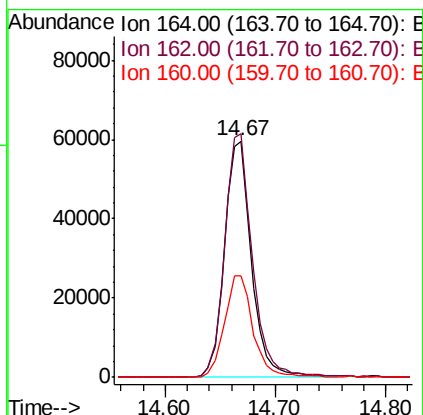
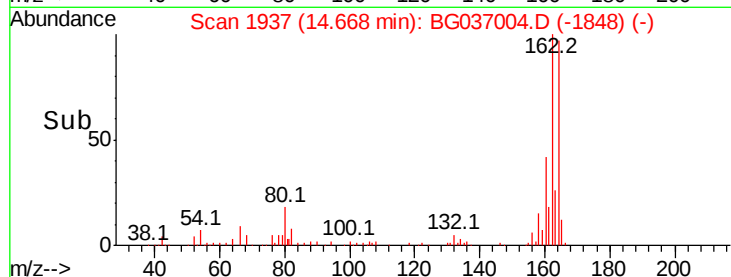
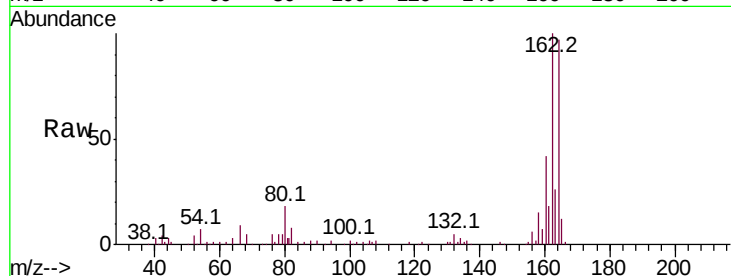
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 102087

Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.7	121.1
160	42.8	35.3	52.9



#41

2,4,6-Tribromophenol

Concen: 118.380 ng

RT: 16.15 min Scan# 2190

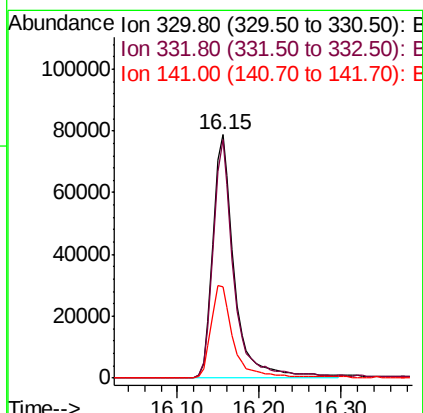
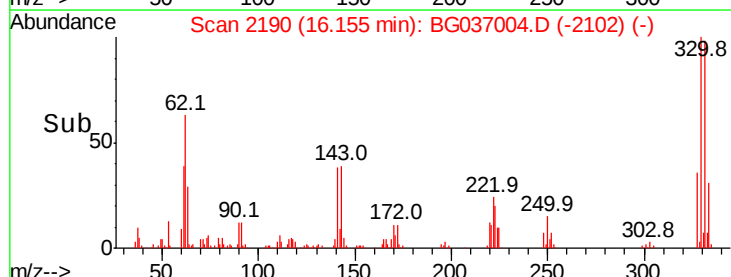
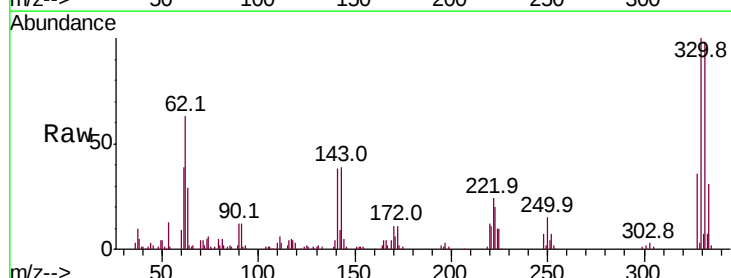
Delta R.T. -0.01 min

Lab File: BG037004.D

Acq: 27 Sep 2018 6:13

Tgt Ion:330 Resp: 144590

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.4	113.2
141	39.2	30.7	46.1

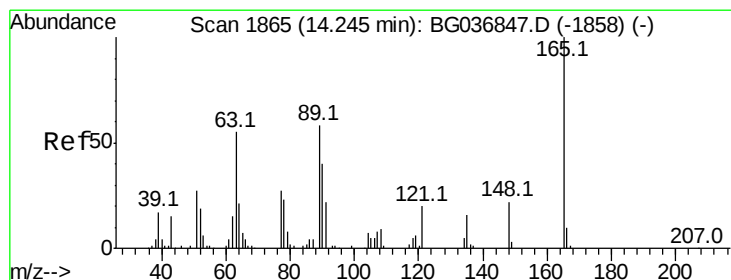
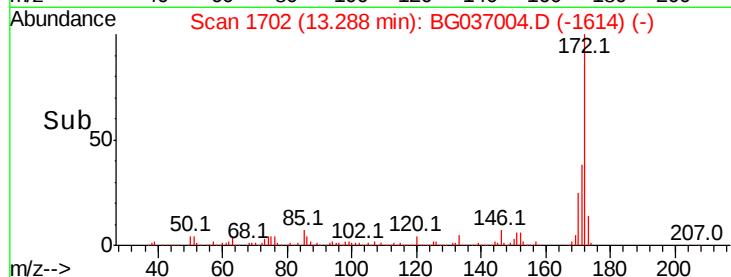
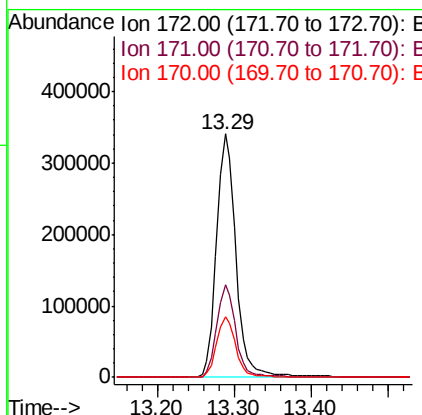
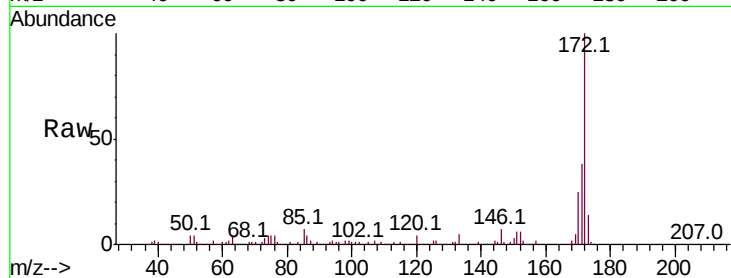




#44
 2-Fluorobiphenyl
 Concen: 86.732 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037004.D
 Acq: 27 Sep 2018 6:13

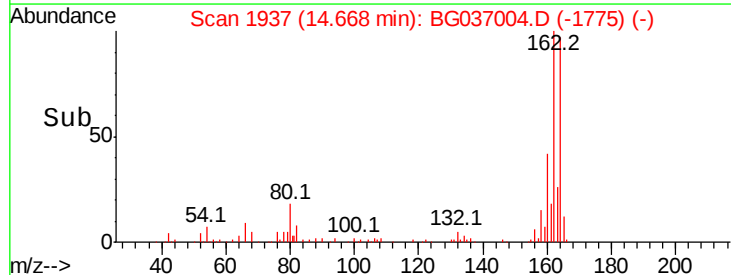
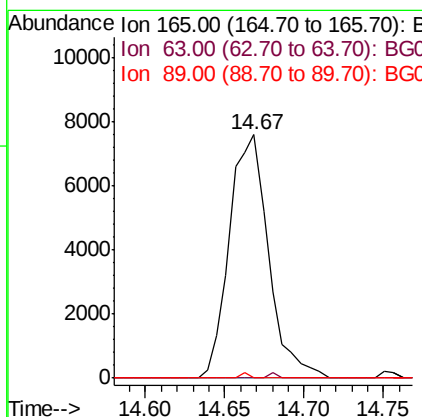
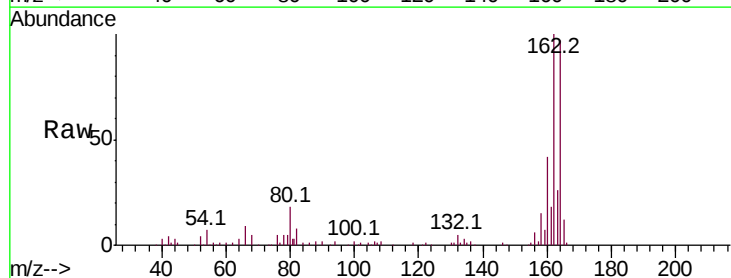
Instrument :
 BNA_G
 ClientSampled :

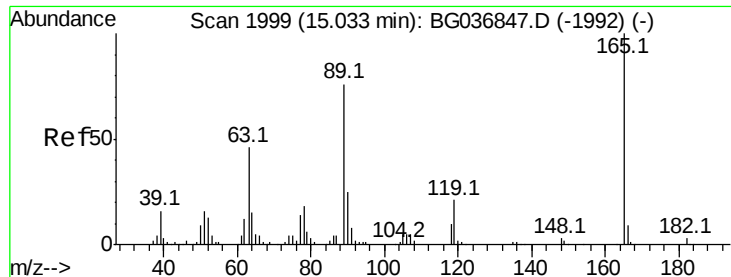
Tot Ion:172 Resp: 594484
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.3 46.9
 170 25.1 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.239 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.42 min
 Lab File: BG037004.D
 Acq: 27 Sep 2018 6:13

Tgt Ion:165 Resp: 12979
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

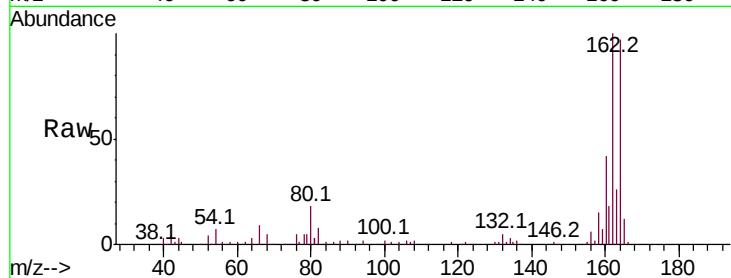




#56
 2,4-Dinitrotoluene
 Concen: 5.188 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG037004.D
 Acq: 27 Sep 2018 6:13

Instrument :
 BNA_G
 ClientSampleId :

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



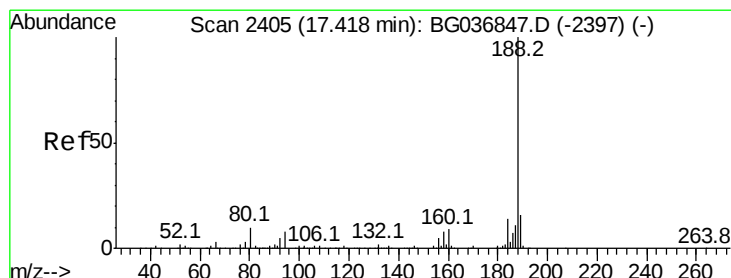
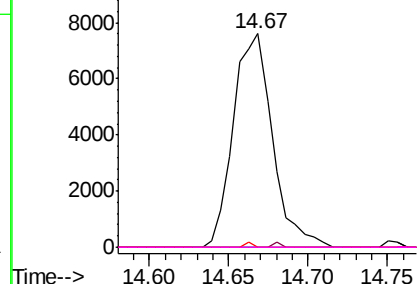
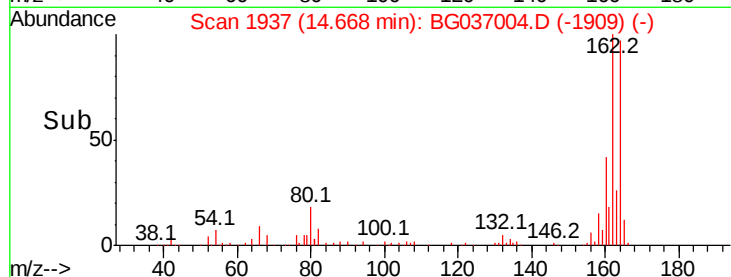
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

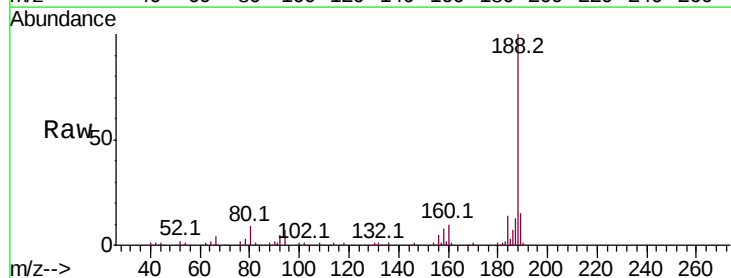
Ion 89.00 (88.70 to 89.70): BGC

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: BG037004.D
 Acq: 27 Sep 2018 6:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.7	10.1
80	8.7	8.1	12.1

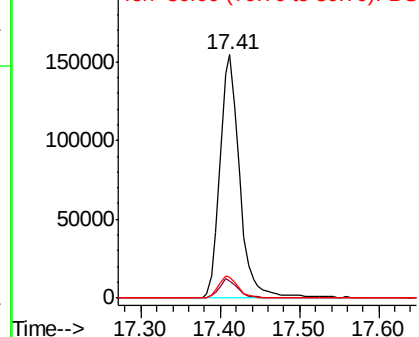
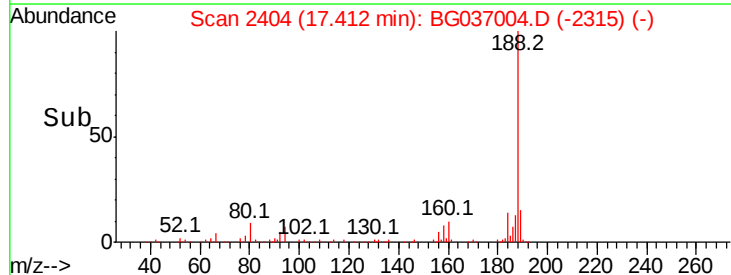


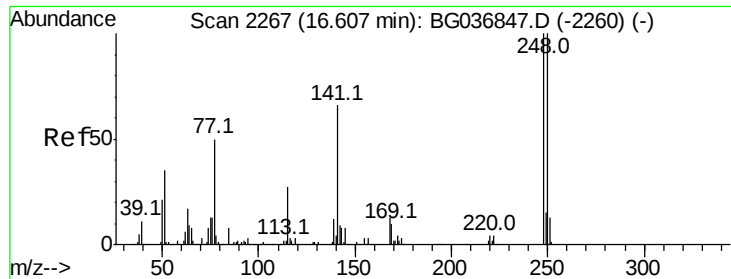
Abundance

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

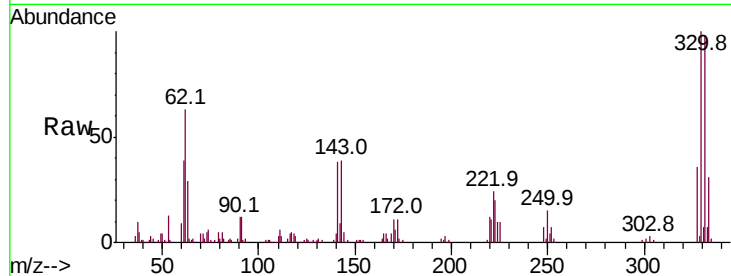




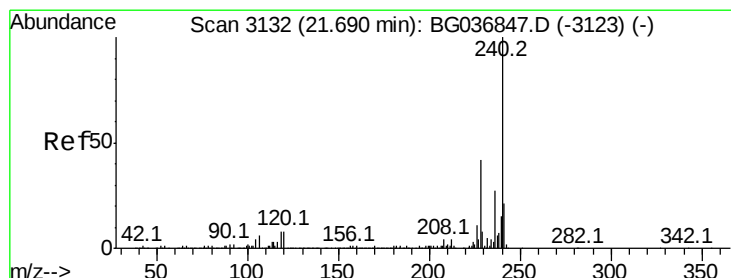
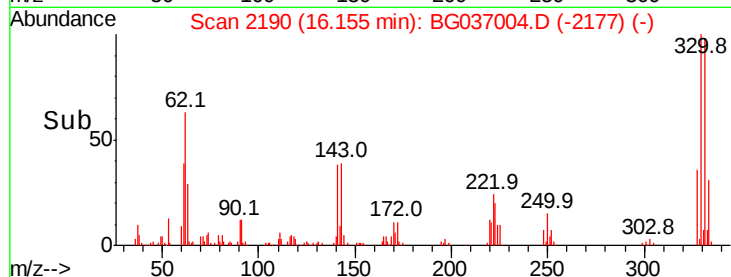
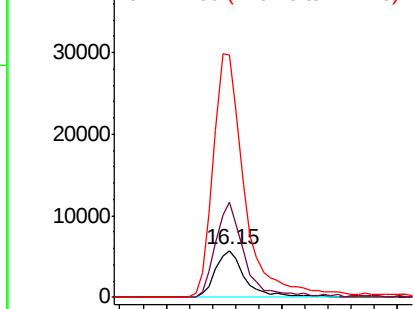
#66
4-Bromophenyl-phenylether
Concen: 3.359 ng
RT: 16.15 min Scan# 2190
Delta R.T. -0.45 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 10198
Ion Ratio Lower Upper
248 100
250 201.7 78.1 117.1#
141 516.5 53.7 80.5#

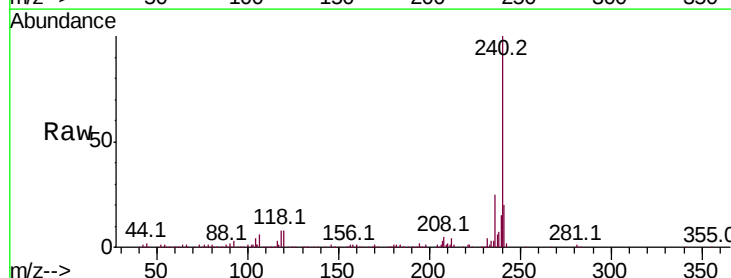


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

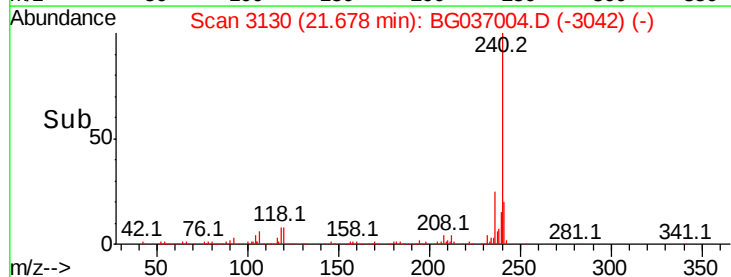
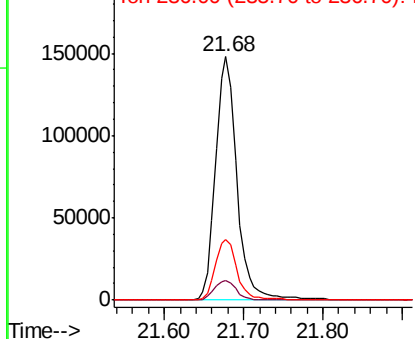


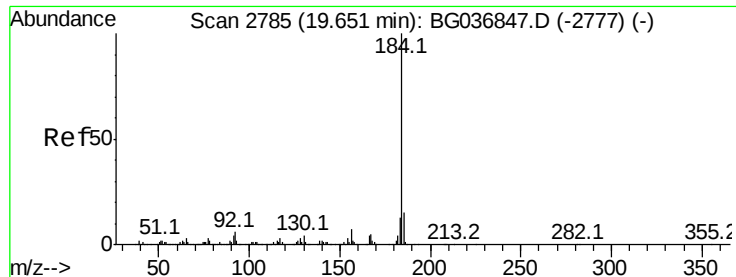
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

Tgt Ion:240 Resp: 276500
Ion Ratio Lower Upper
240 100
120 8.0 6.9 10.3
236 25.1 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: 2.240 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG037004.D

Acq: 27 Sep 2018 6:13

Instrument :

BNA_G

ClientSampleId :

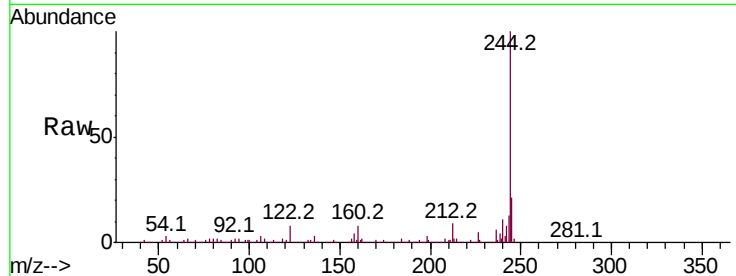
Tot Ion:184 Resp: 18720

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

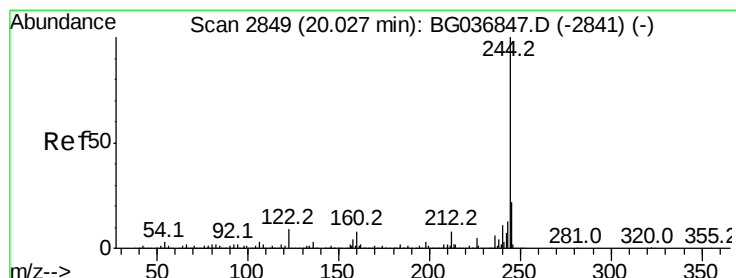
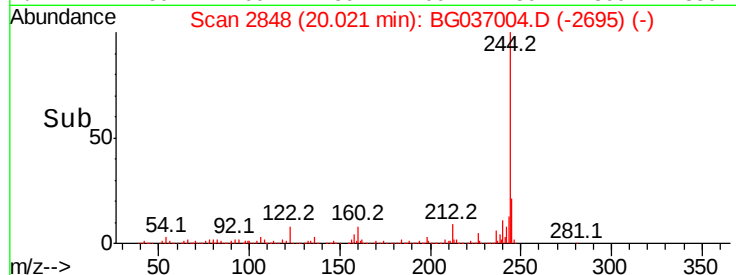
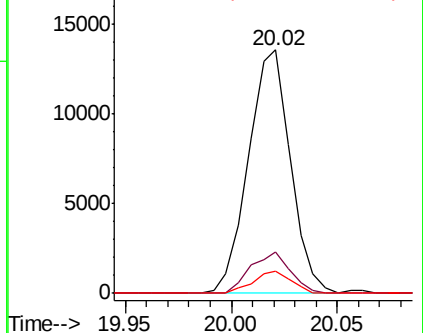
183 9.1 10.9 16.3#



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: 99.837 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG037004.D

Acq: 27 Sep 2018 6:13

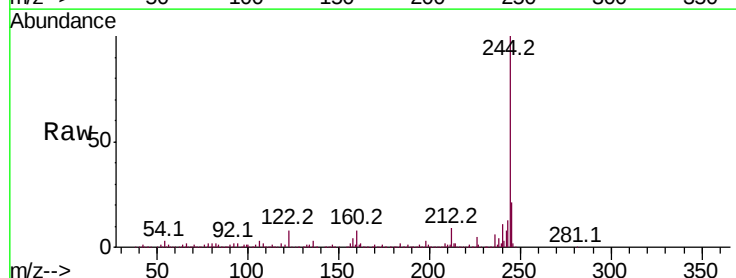
Tgt Ion:244 Resp: 1049821

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

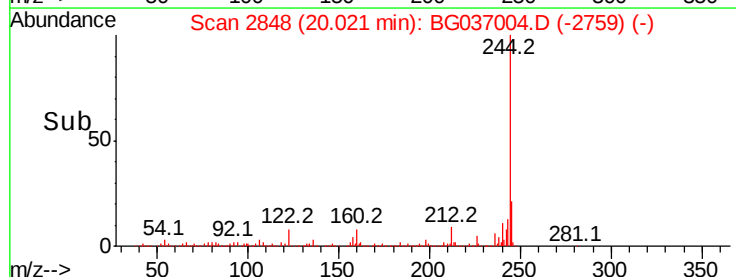
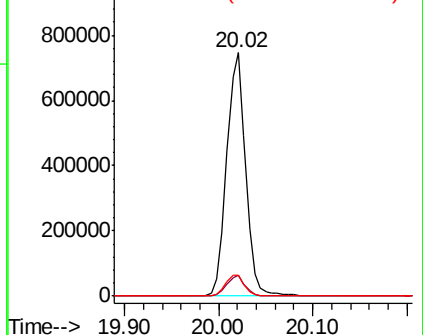
122 8.4 7.1 10.7

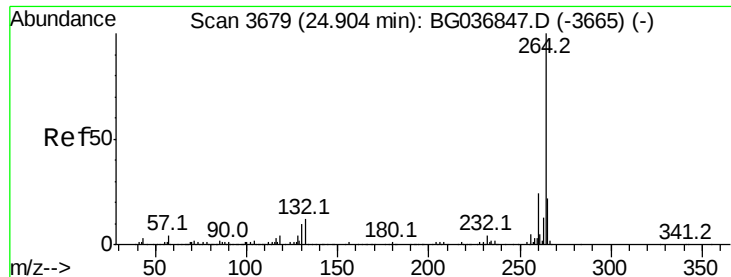


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

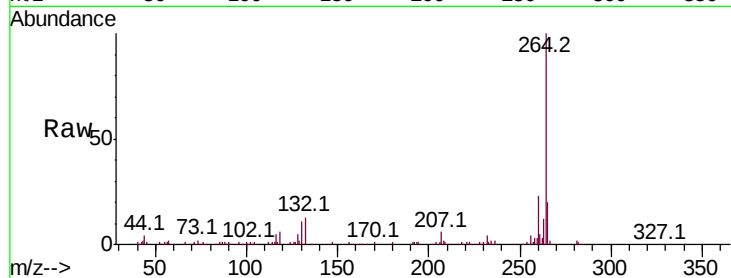




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG037004.D
Acq: 27 Sep 2018 6:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.6	29.4
265	20.4	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

