

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG092718\
 Data File : BG037042.D
 Acq On : 28 Sep 2018 9:33
 Operator : JU/SJ
 Sample : J5076-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 13:26:07 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

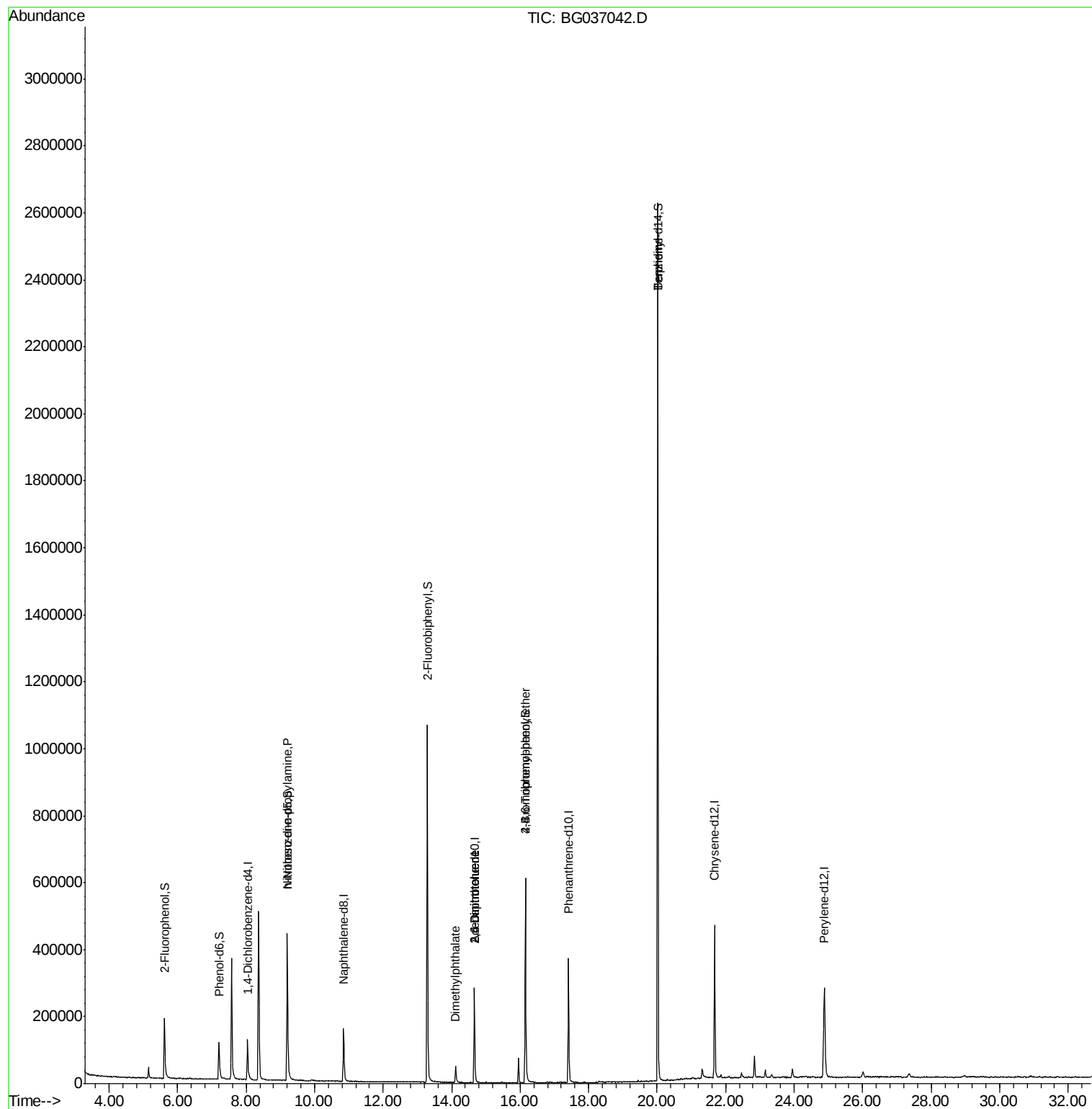
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	40092	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	161020	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	100367	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	261787	20.00	ng	0.00
75) Chrysene-d12	21.67	240	296858	20.00	ng	-0.02
86) Perylene-d12	24.88	264	294973	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	98112	46.93	ng	0.00
7) Phenol-d6	7.20	99	89055	27.53	ng	0.00
23) Nitrobenzene-d5	9.20	82	317267	105.51	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	119456	99.48	ng	-0.02
44) 2-Fluorobiphenyl	13.29	172	620613	92.10	ng	0.00
78) Terphenyl-d14	20.02	244	1256186	111.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	43091	16.015	ng	# 70
49) Dimethylphthalate	14.11	163	38757	4.797	ng	# 98
50) 2,6-Dinitrotoluene	14.67	165	12261	6.956	ng	# 24
56) 2,4-Dinitrotoluene	14.67	165	12261	4.985	ng	# 22
66) 4-Bromophenyl-phenylether	16.15	248	8424	2.829	ng	# 1
76) Benzidine	20.02	184	23325	2.599	ng	# 93

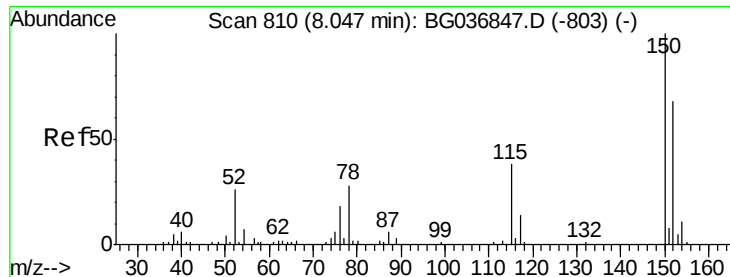
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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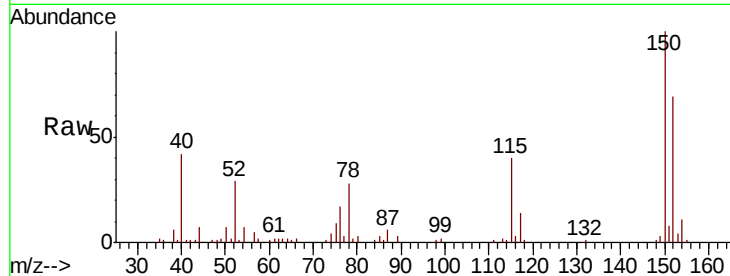


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.01 min
Lab File: BG037042.D
Acq: 28 Sep 2018 9:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.1	119.5	179.3
115	57.1	44.5	66.7

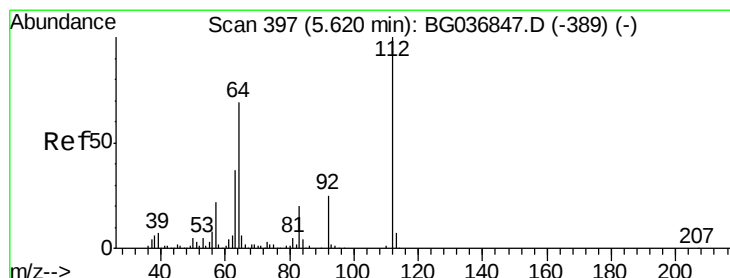
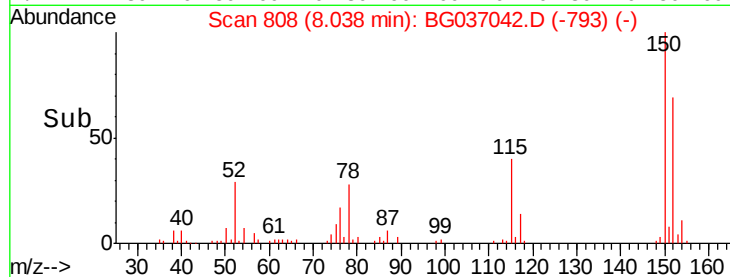
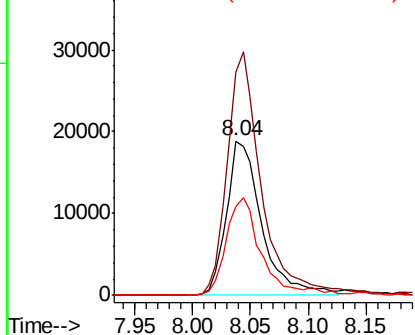


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

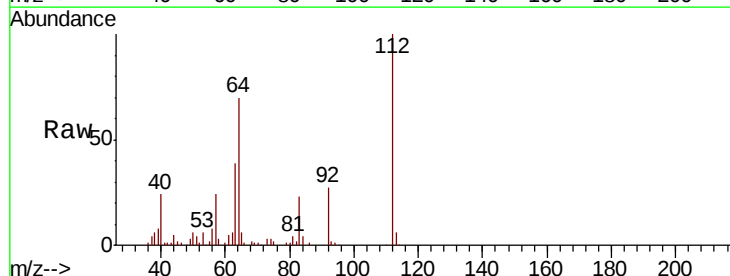
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 46.931 ng
RT: 5.62 min Scan# 396
Delta R.T. -0.00 min
Lab File: BG037042.D
Acq: 28 Sep 2018 9:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	57.2	85.8
63	38.7	30.8	46.2

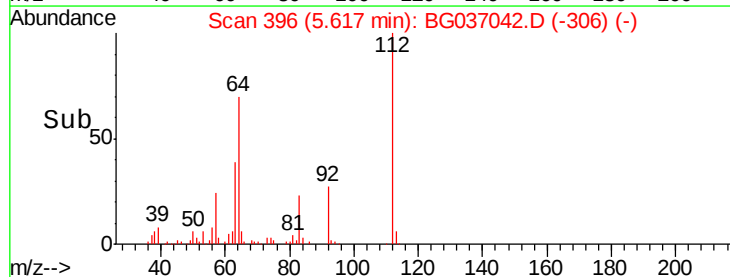
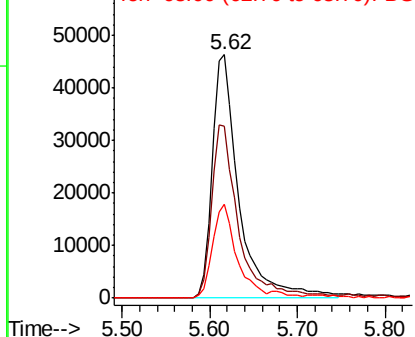


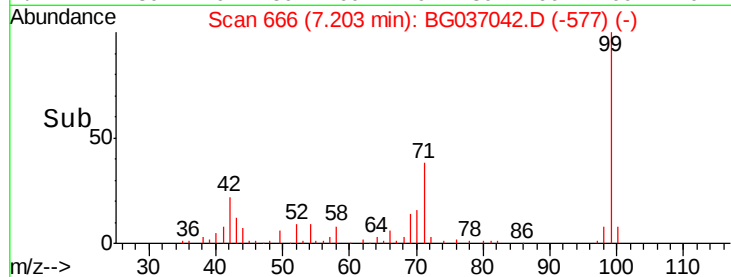
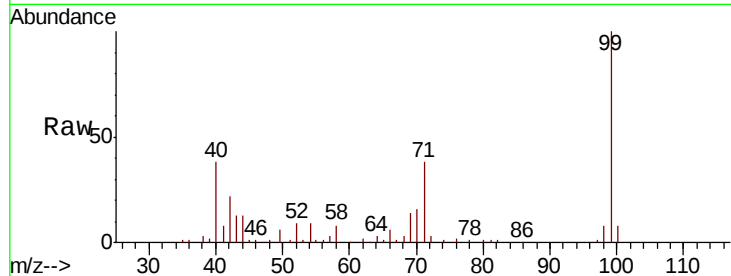
Abundance

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: 27.534 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

Instrument :

BNA_G

ClientSampleId :

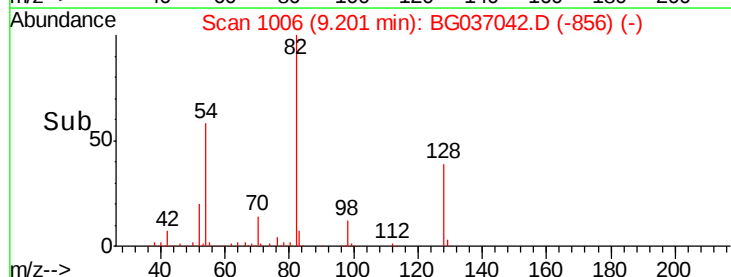
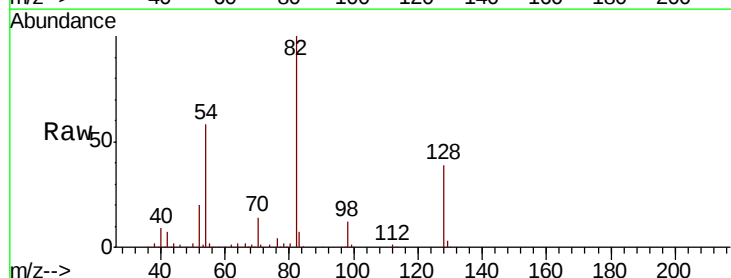
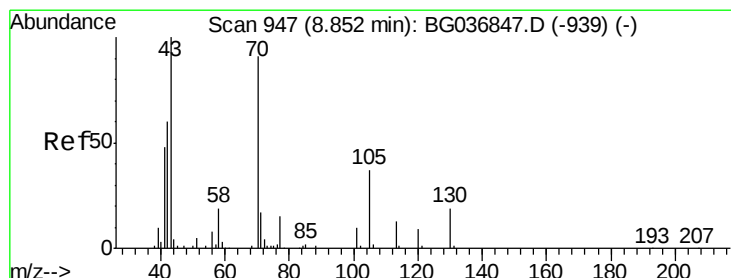
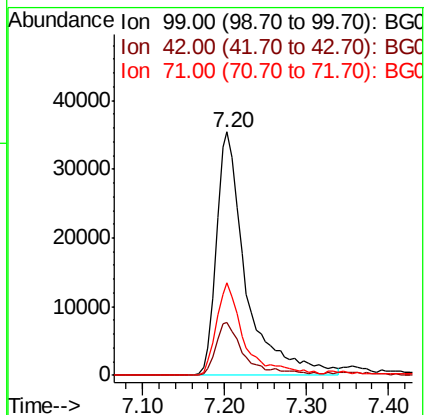
Tot Ion: 99 Resp: 89055

Ion Ratio Lower Upper

99 100

42 21.6 16.5 24.7

71 38.3 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 16.015 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

Tgt Ion: 70 Resp: 43091

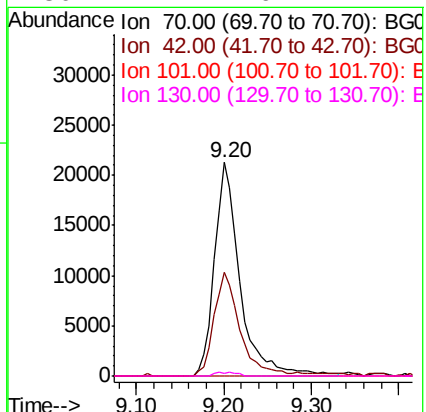
Ion Ratio Lower Upper

70 100

42 48.4 56.2 84.4#

101 0.0 7.8 11.6#

130 1.2 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

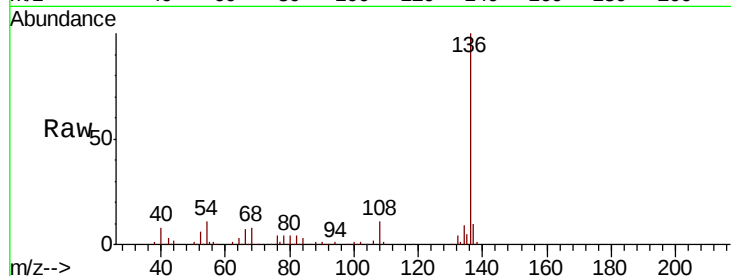
Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 161020

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	10.6	9.2	13.8
68	7.8	5.8	8.6

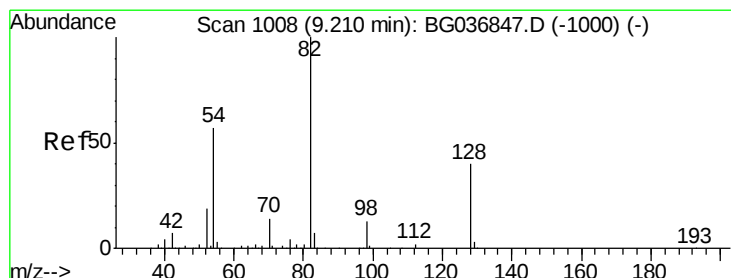
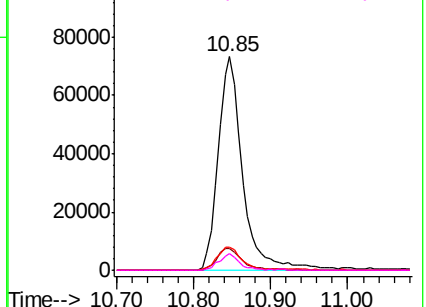
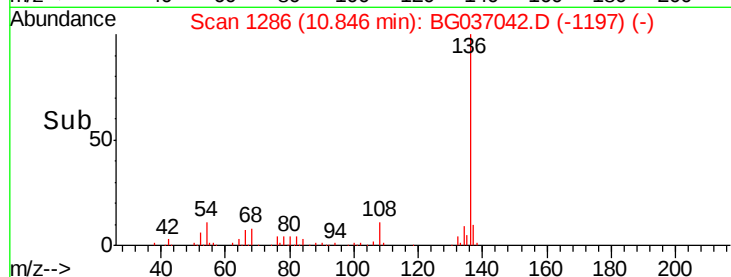


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 105.515 ng

RT: 9.20 min Scan# 1006

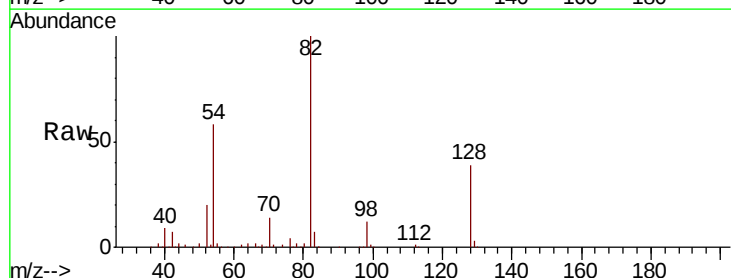
Delta R.T. -0.01 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

Tgt Ion: 82 Resp: 317267

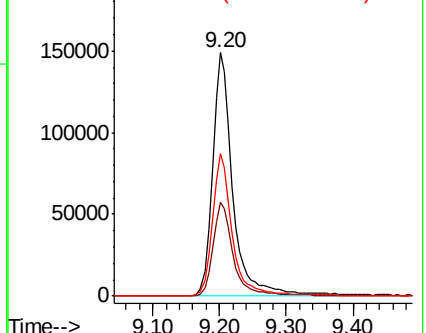
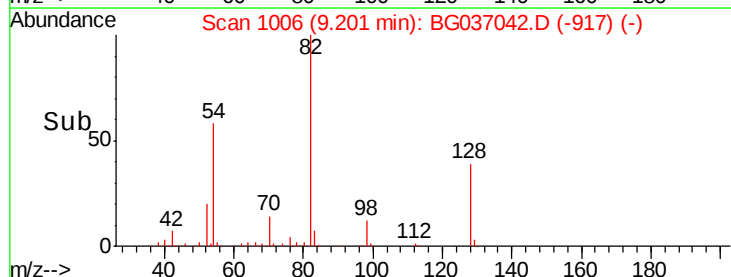
Ion	Ratio	Lower	Upper
82	100		
128	38.7	33.3	49.9
54	58.3	45.1	67.7

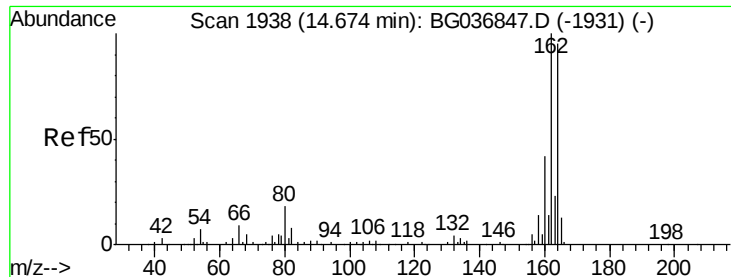


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

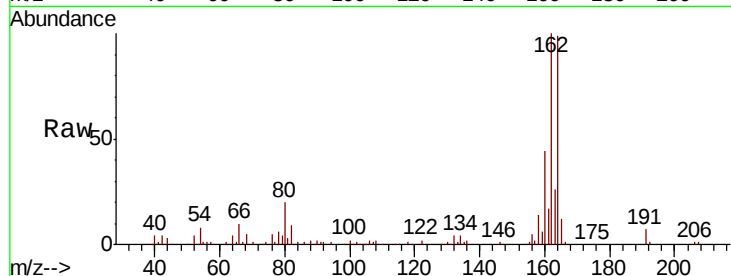
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 100367

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.7	121.1
160	44.4	35.3	52.9

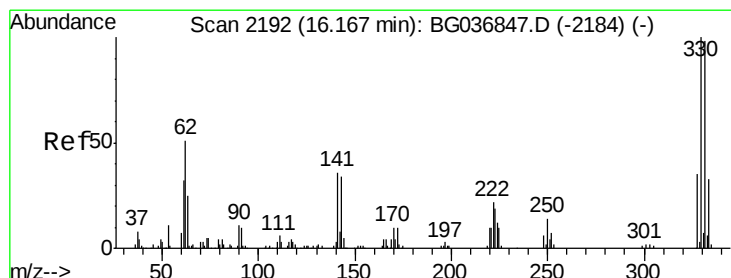
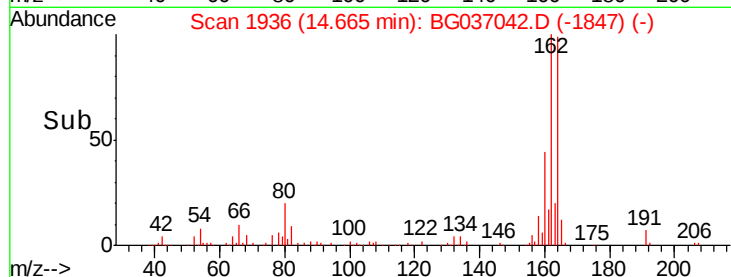
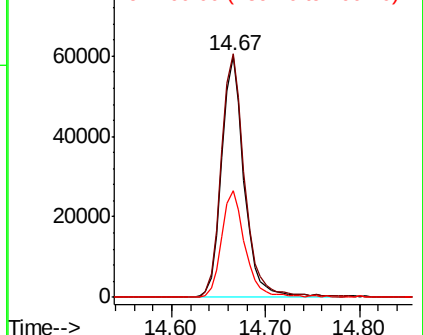


Abundance

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: 99.478 ng

RT: 16.15 min Scan# 2189

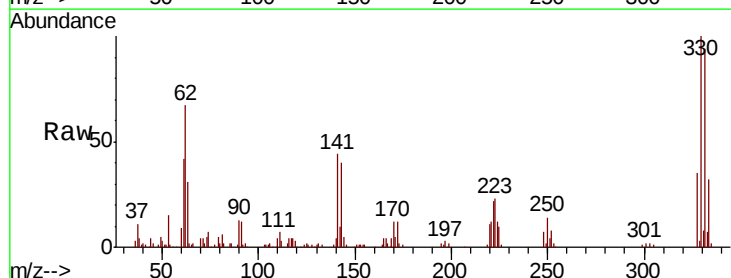
Delta R.T. -0.02 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

Tgt Ion:330 Resp: 119456

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.2
141	42.3	30.7	46.1

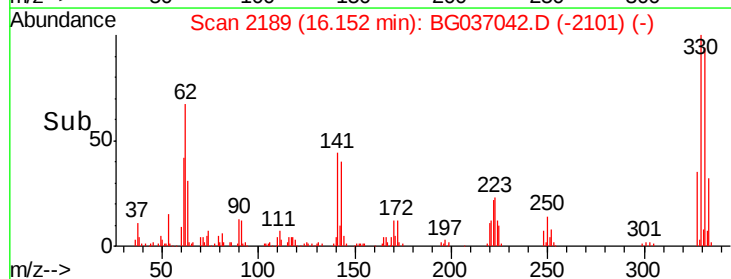
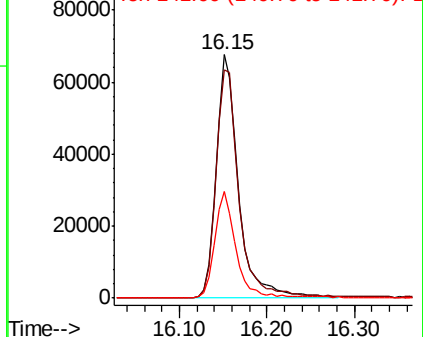


Abundance

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

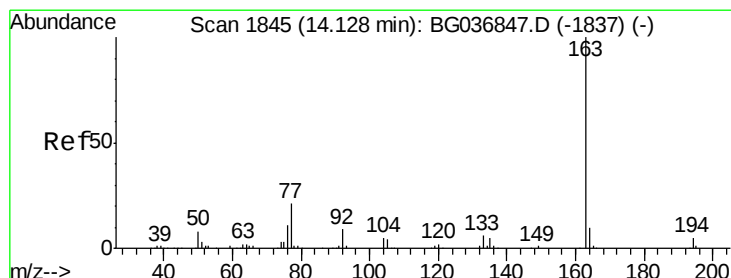
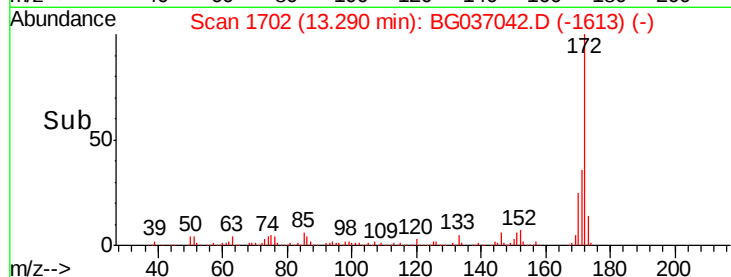
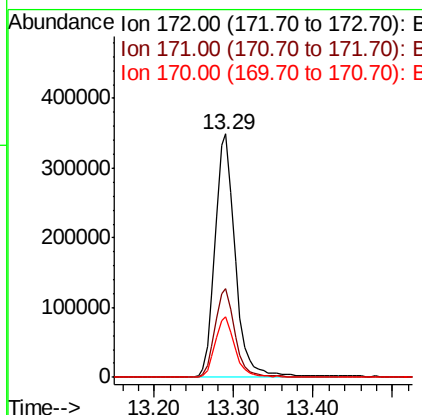
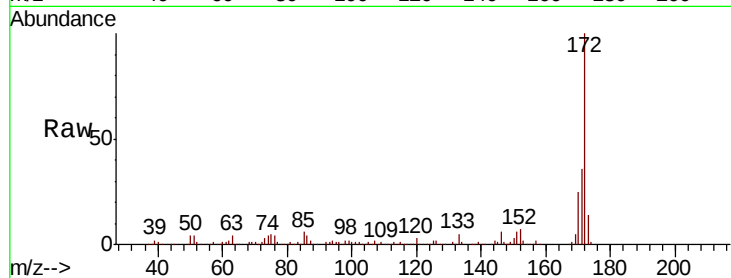




#44
2-Fluorobiphenyl
Concen: 92.095 ng
RT: 13.29 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BG037042.D
Acq: 28 Sep 2018 9:33

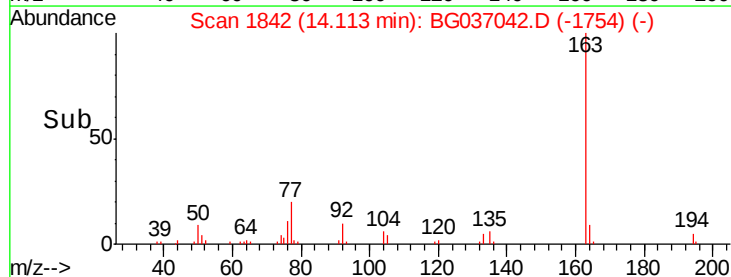
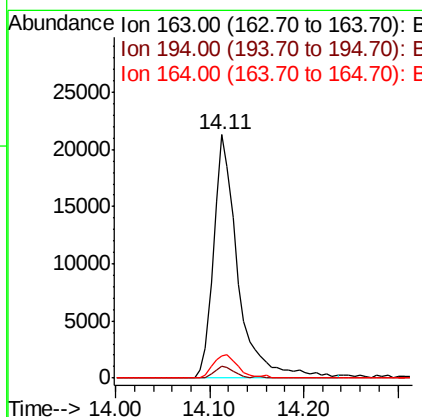
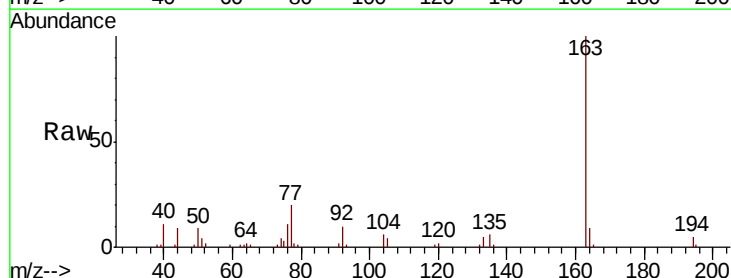
Instrument :
BNA_G
ClientSampleId :

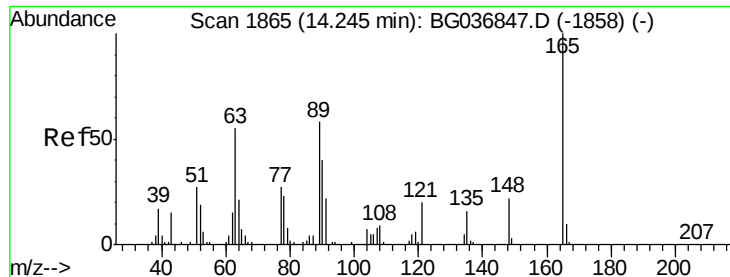
Tot Ion:172 Resp: 620613
Ion Ratio Lower Upper
172 100
171 36.4 31.3 46.9
170 24.8 21.0 31.6



#49
Dimethylphthalate
Concen: 4.797 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BG037042.D
Acq: 28 Sep 2018 9:33

Tgt Ion:163 Resp: 38757
Ion Ratio Lower Upper
163 100
194 4.7 4.0 6.0
164 9.3 8.1 12.1

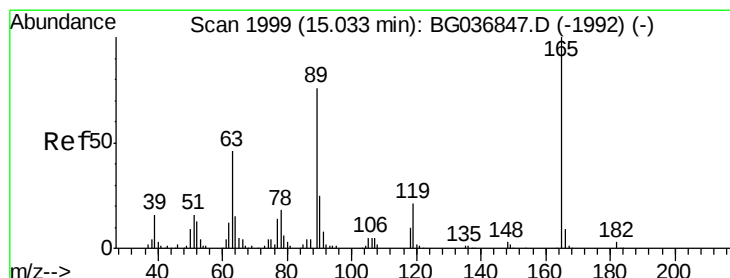
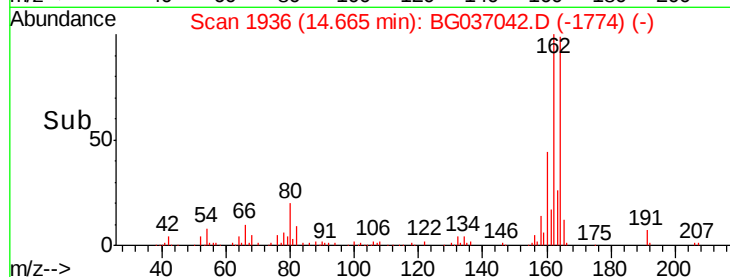
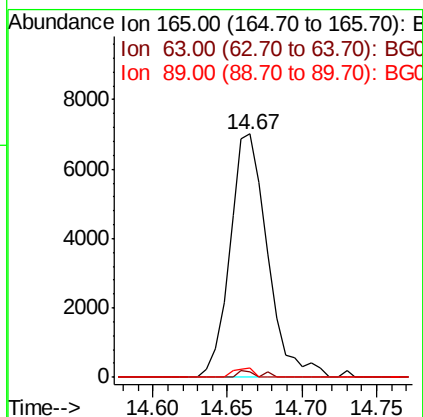
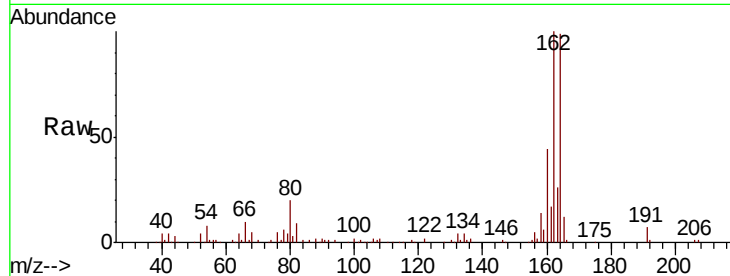




#50
 2,6-Dinitrotoluene
 Concen: 6.956 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037042.D
 Acq: 28 Sep 2018 9:33

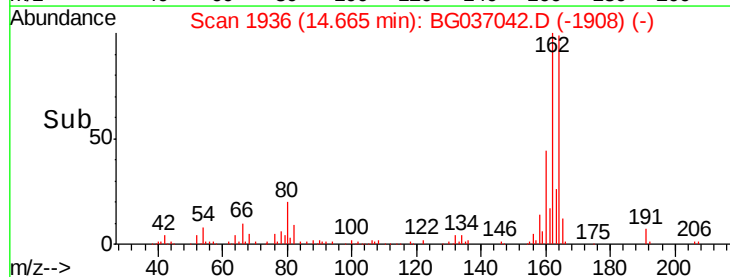
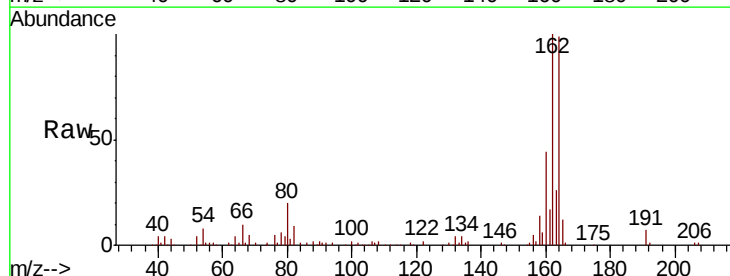
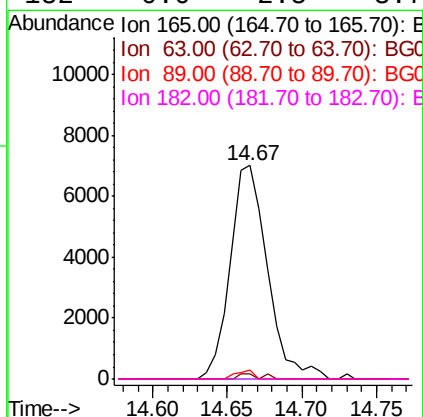
Instrument :
 BNA_G
 ClientSampleId :

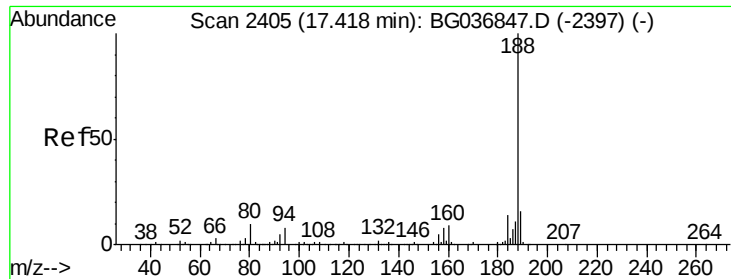
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	50.1	75.1#
89	4.0	47.8	71.6#



#56
 2,4-Dinitrotoluene
 Concen: 4.985 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037042.D
 Acq: 28 Sep 2018 9:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	40.1	60.1#
89	4.0	63.7	95.5#
182	0.0	2.5	3.7#

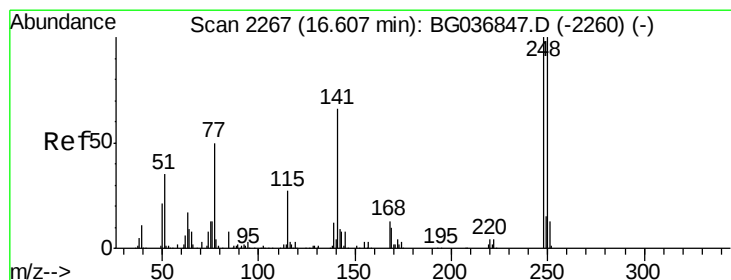
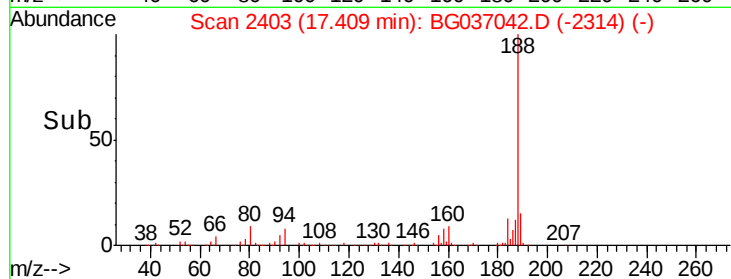
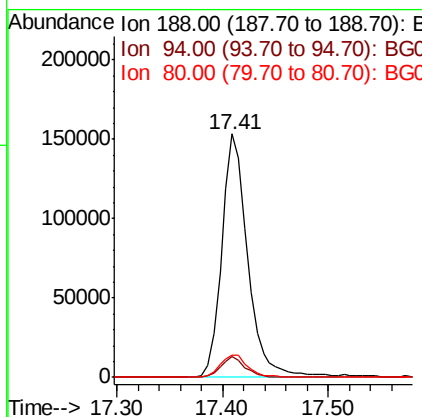
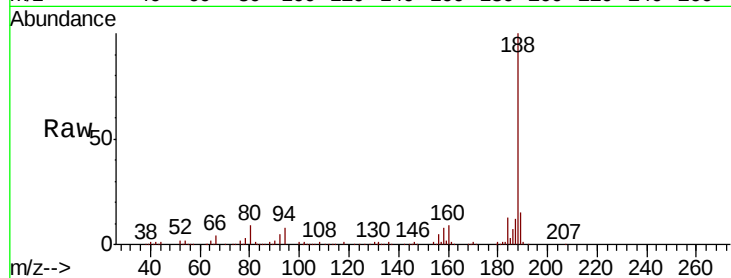




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037042.D
Acq: 28 Sep 2018 9:33

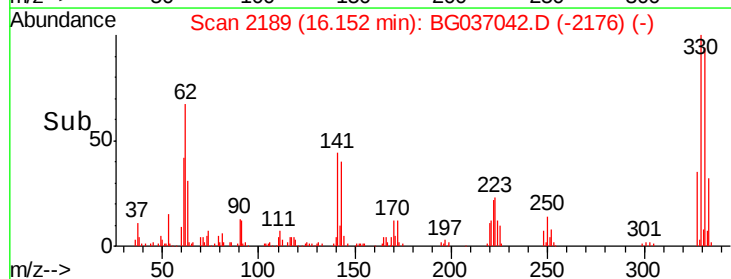
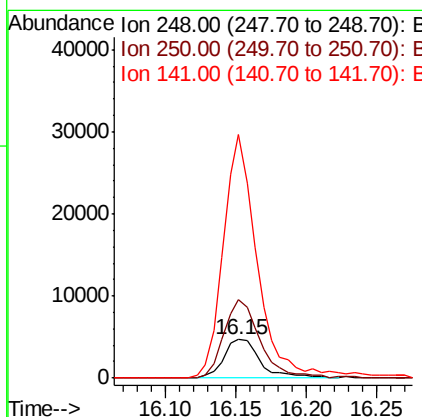
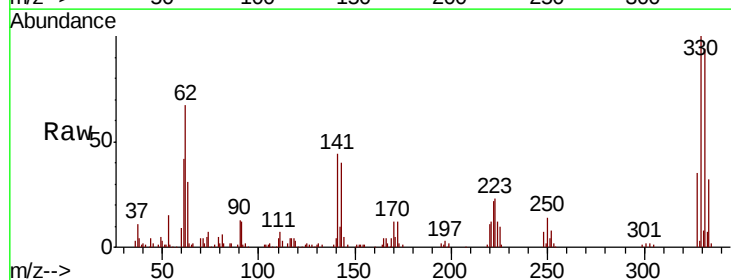
Instrument :
BNA_G
ClientSampleId :

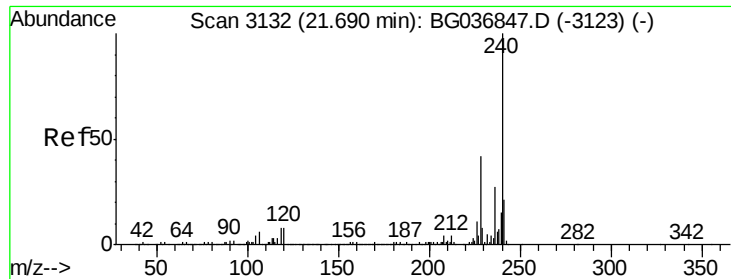
Tot Ion:188 Resp: 261787
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.2 8.1 12.1



#66
4-Bromophenyl-phenylether
Concen: 2.829 ng
RT: 16.15 min Scan# 2189
Delta R.T. -0.46 min
Lab File: BG037042.D
Acq: 28 Sep 2018 9:33

Tgt Ion:248 Resp: 8424
Ion Ratio Lower Upper
248 100
250 203.2 78.1 117.1#
141 628.2 53.7 80.5#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.02 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

Instrument :

BNA_G

ClientSampleId :

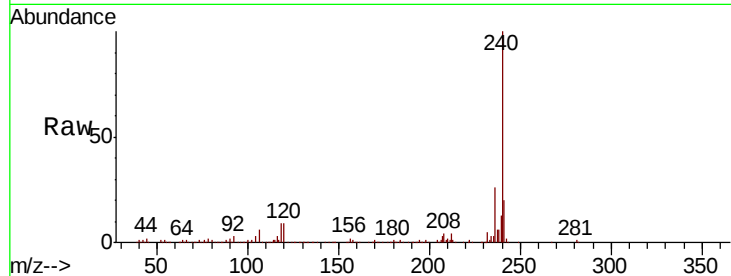
Tot Ion:240 Resp: 296858

Ion Ratio Lower Upper

240 100

120 9.0 6.9 10.3

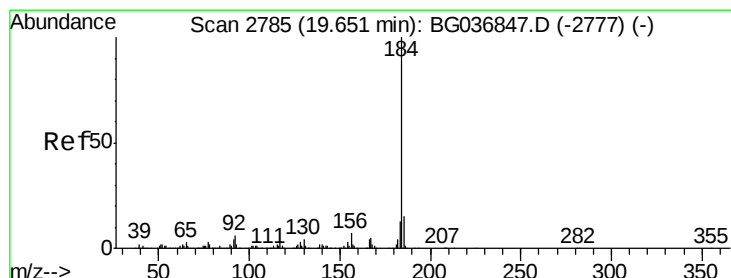
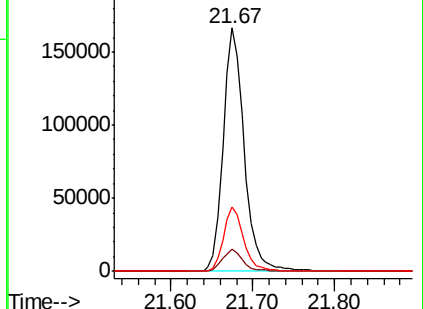
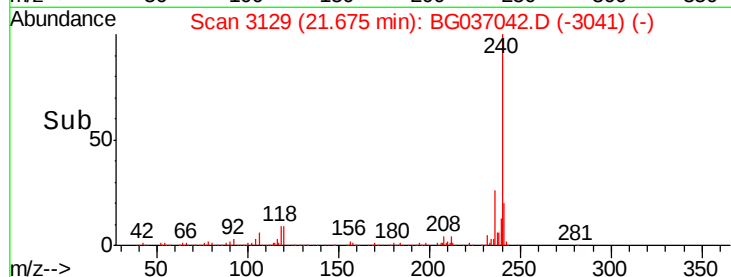
236 26.4 21.2 31.8



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: 2.599 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

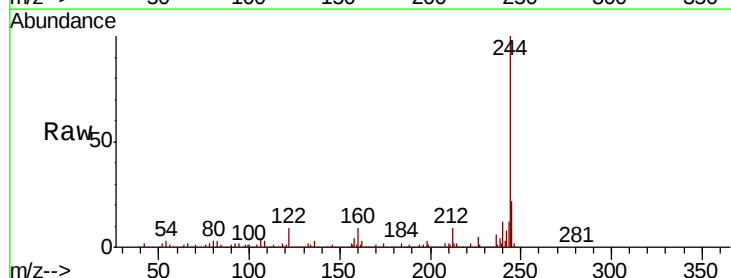
Tgt Ion:184 Resp: 23325

Ion Ratio Lower Upper

184 100

185 17.6 12.6 18.8

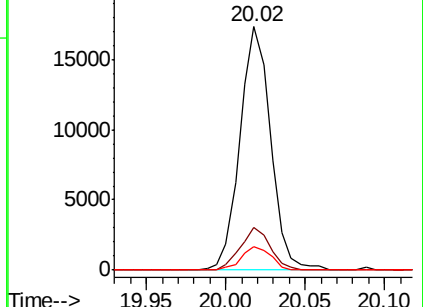
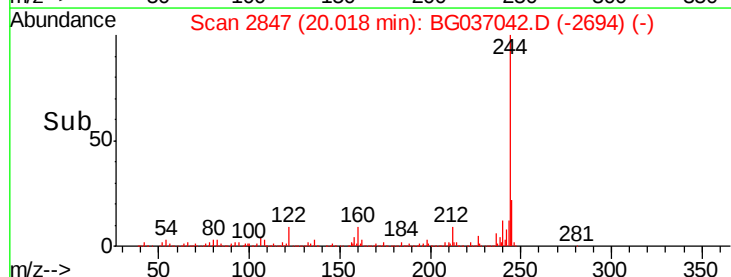
183 9.5 10.9 16.3#

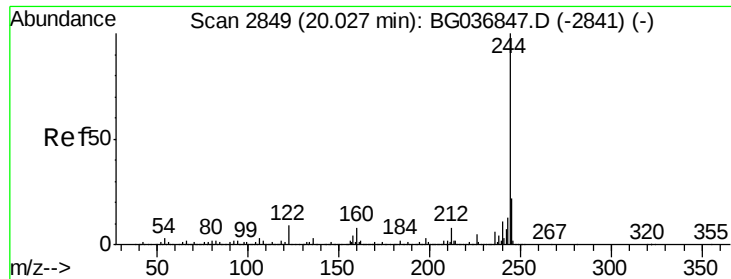


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 111.270 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

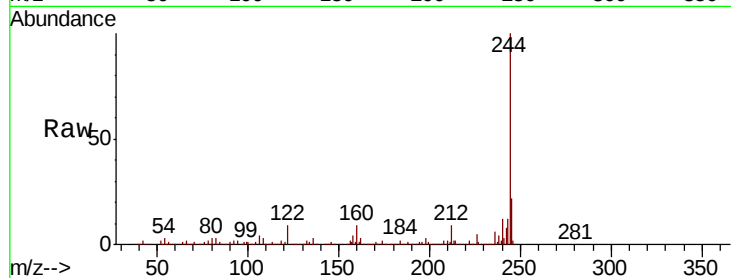
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1256186

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.0	10.6
122	9.5	7.1	10.7

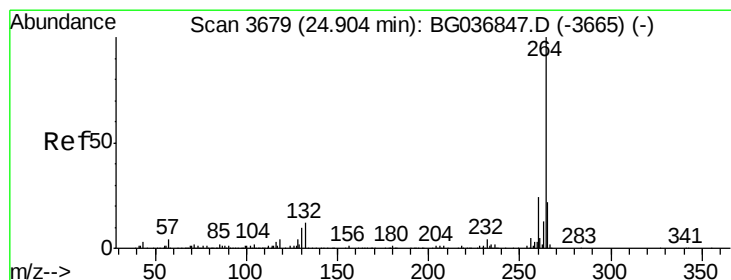
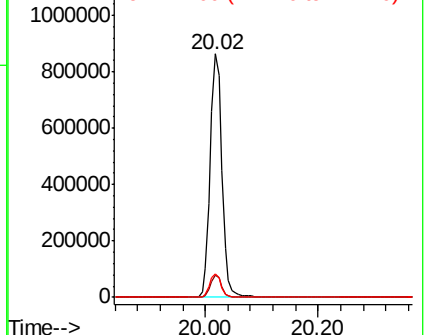
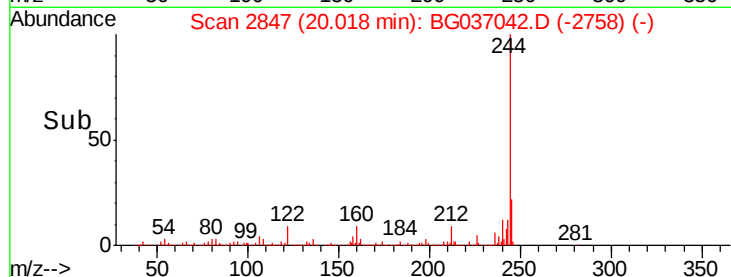


Abundance

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: 24.88 min Scan# 3675

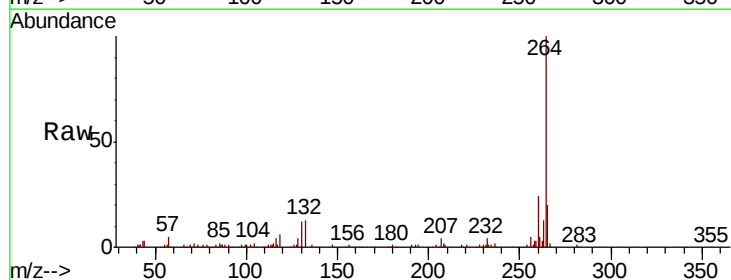
Delta R.T. -0.02 min

Lab File: BG037042.D

Acq: 28 Sep 2018 9:33

Tgt Ion:264 Resp: 294973

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	20.2	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

