

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100518\
 Data File : BG037158.D
 Acq On : 4 Oct 2018 16:52
 Operator : JU/SJ
 Sample : J5218-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 293-230

Quant Time: Oct 04 17:40:13 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

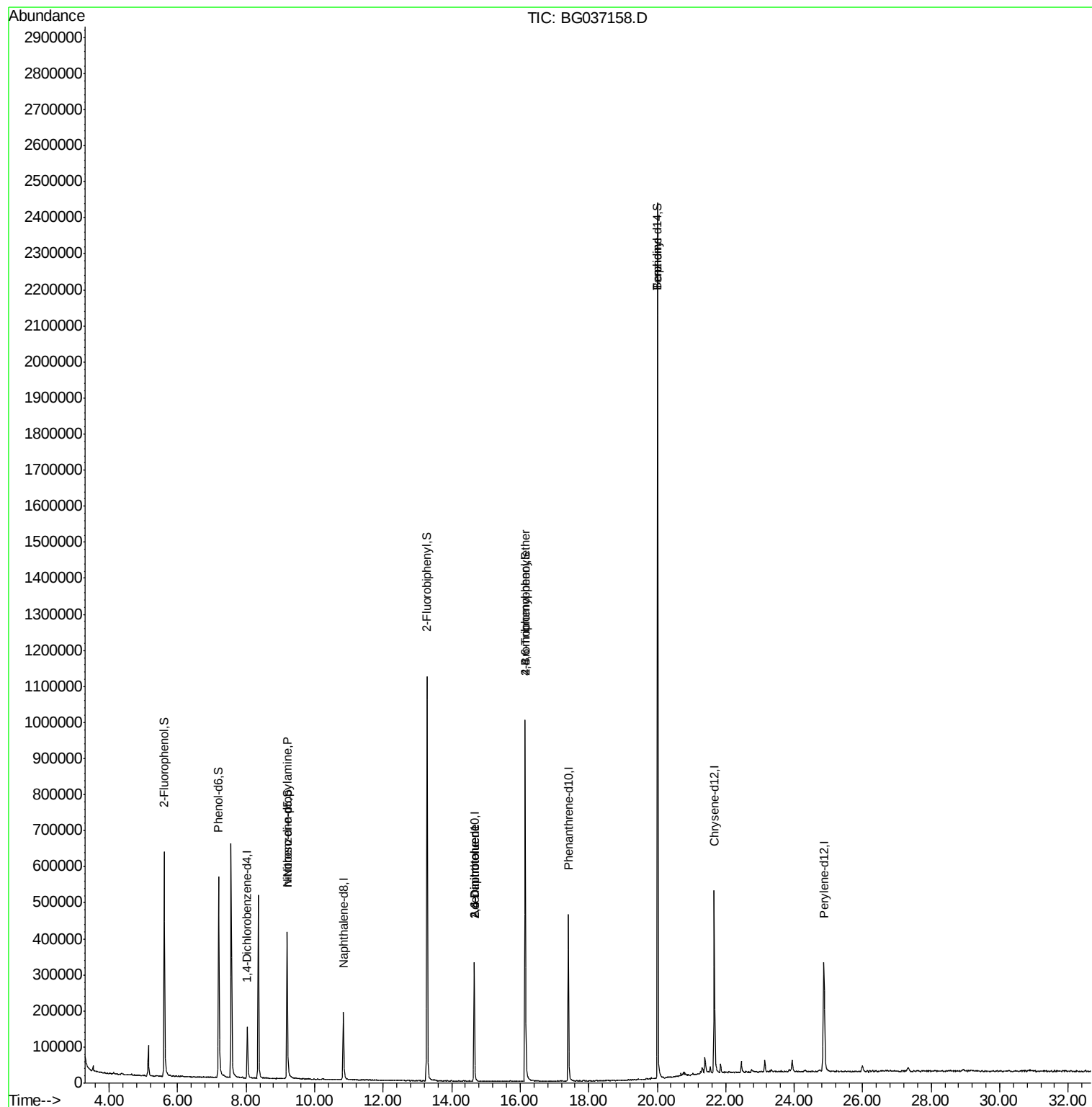
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	44519	20.00	ng	-0.02
21) Naphthalene-d8	10.83	136	181530	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	118919	20.00	ng	-0.02
63) Phenanthrene-d10	17.40	188	317968	20.00	ng	-0.02
75) Chrysene-d12	21.67	240	331344	20.00	ng	-0.02
86) Perylene-d12	24.86	264	325774	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	290713	125.23	ng	-0.02
7) Phenol-d6	7.20	99	361568	100.67	ng	-0.02
23) Nitrobenzene-d5	9.19	82	294503	86.88	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	190291	133.74	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	633463	79.34	ng	-0.02
78) Terphenyl-d14	20.01	244	1172508	93.05	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	39783	13.315	ng	# 74
50) 2,6-Dinitrotoluene	14.66	165	15652	7.494	ng	# 23
56) 2,4-Dinitrotoluene	14.66	165	15652	5.371	ng	# 21
66) 4-Bromophenyl-phenylether	16.15	248	13650	3.774	ng	# 1
76) Benzidine	20.01	184	20762	2.073	ng	# 90

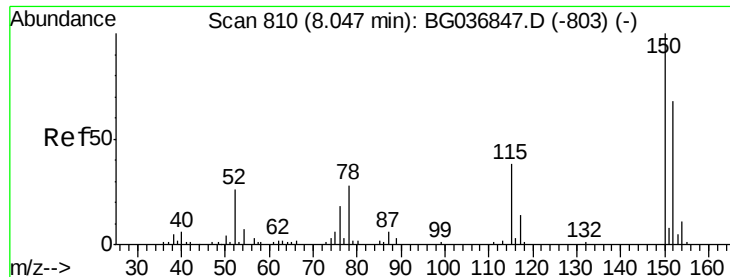
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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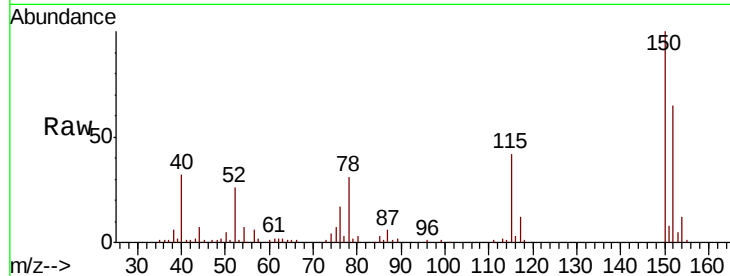


#1

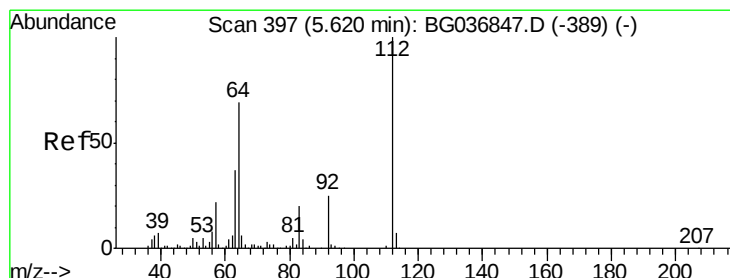
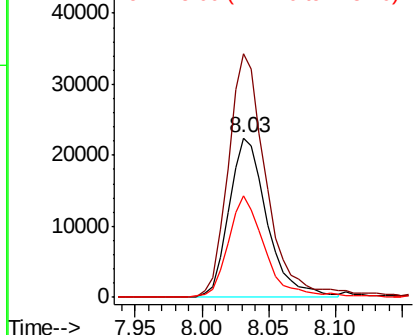
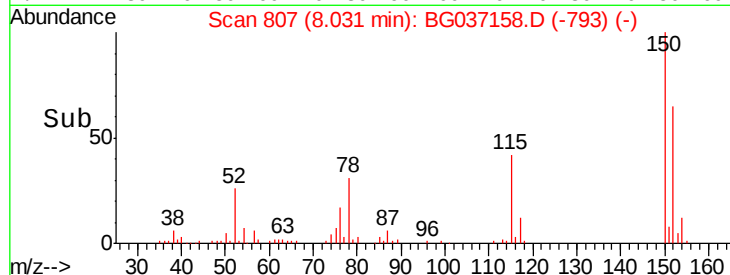
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.03 min Scan# 807
 Delta R.T. -0.02 min
 Lab File: BG037158.D
 Acq: 4 Oct 2018 16:52

Instrument :
 BNA_G
 ClientSampleId :
 293-230

Tot Ion:152 Resp: 44519
 Ion Ratio Lower Upper
 152 100
 150 153.0 119.5 179.3
 115 64.1 44.5 66.7



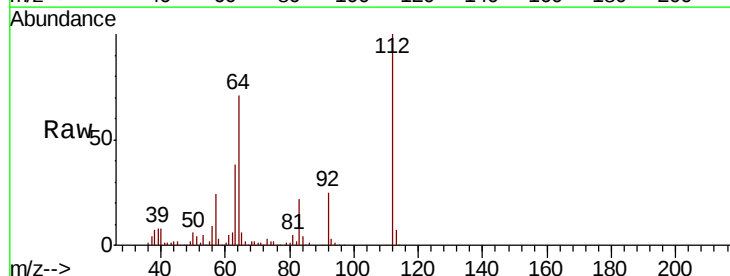
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



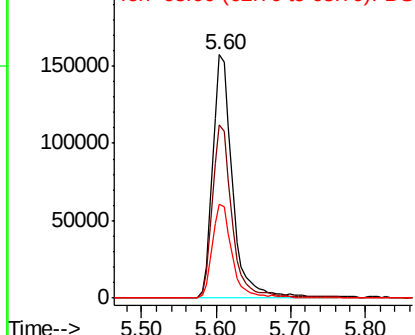
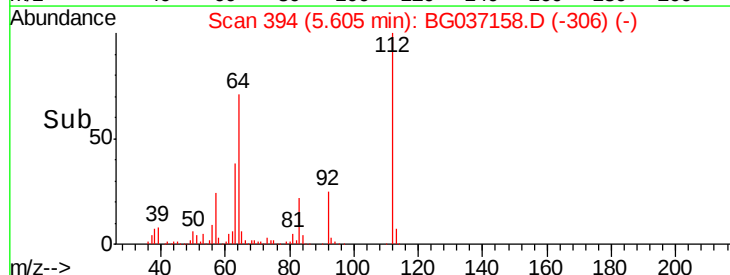
#5

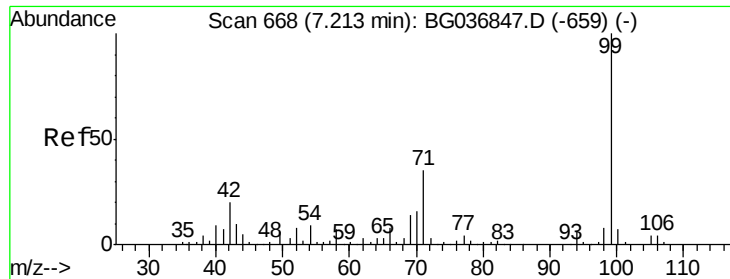
2-Fluorophenol
 Concen: 125.233 ng
 RT: 5.60 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: BG037158.D
 Acq: 4 Oct 2018 16:52

Tgt Ion:112 Resp: 290713
 Ion Ratio Lower Upper
 112 100
 64 71.2 57.2 85.8
 63 38.3 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: 100.671 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037158.D

Acq: 4 Oct 2018 16:52

Instrument :

BNA_G

ClientSampleId :

293-230

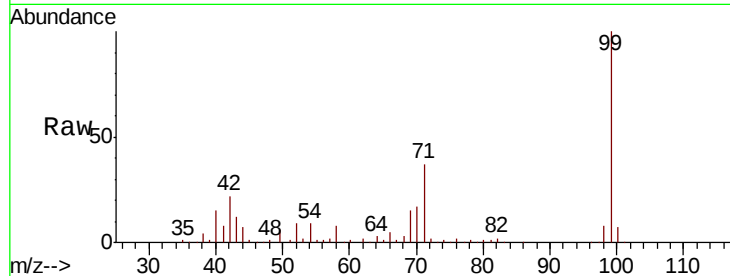
Tot Ion: 99 Resp: 361568

Ion Ratio Lower Upper

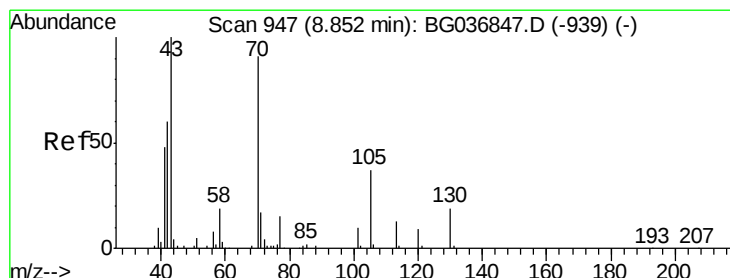
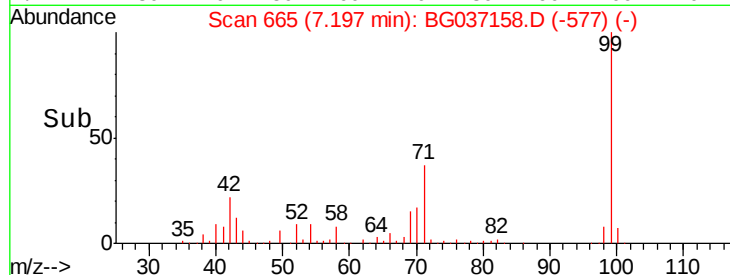
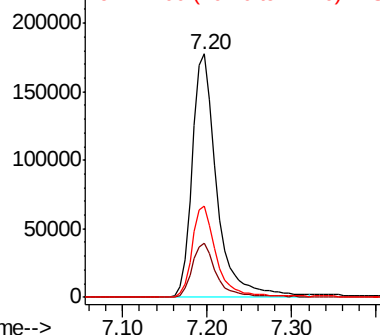
99 100

42 22.0 16.5 24.7

71 37.3 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: 13.315 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037158.D

Acq: 4 Oct 2018 16:52

Tgt Ion: 70 Resp: 39783

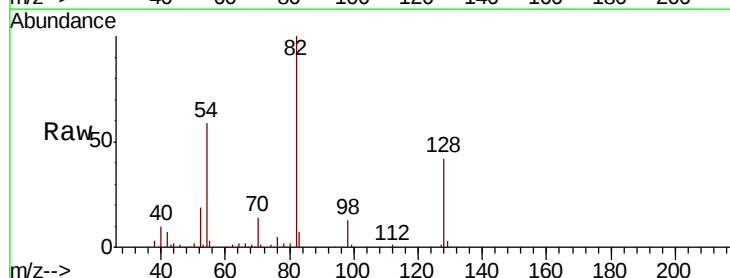
Ion Ratio Lower Upper

70 100

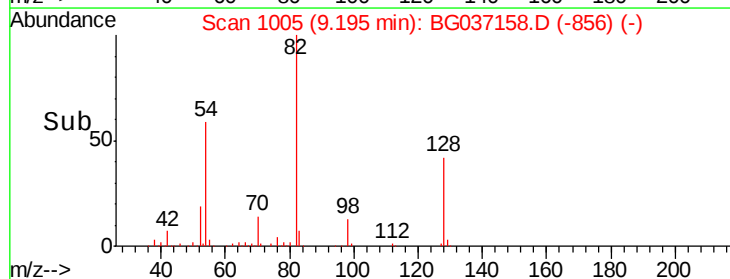
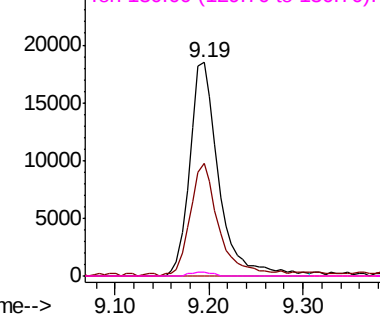
42 52.7 56.2 84.4#

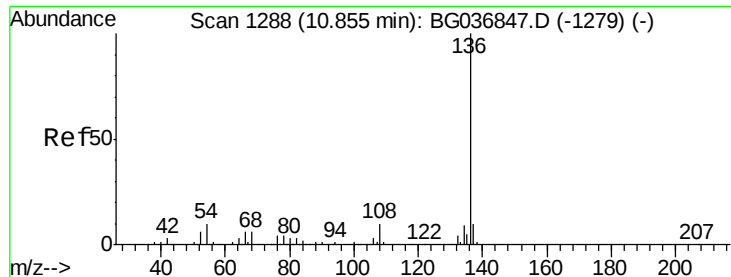
101 0.0 7.8 11.6#

130 1.9 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

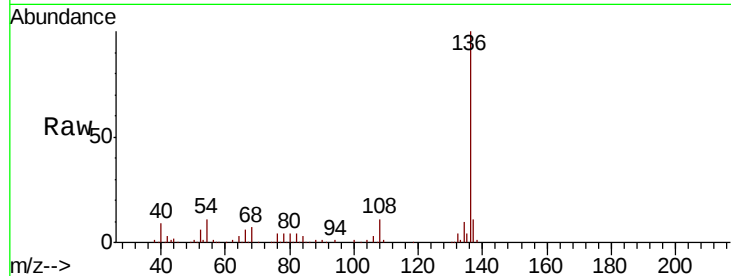




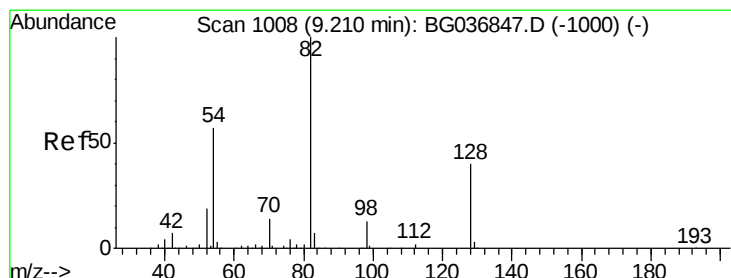
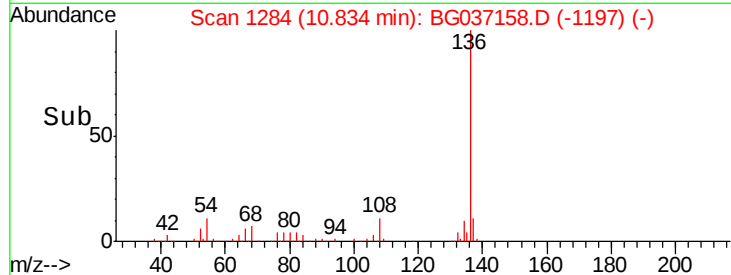
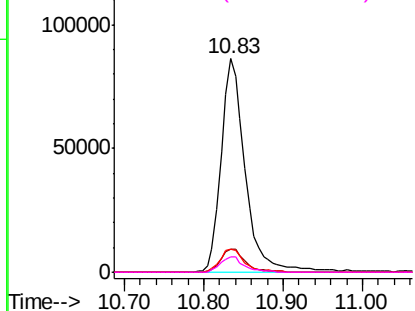
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Instrument :
BNA_G
ClientSampleId :
293-230

Tot Ion:136	Resp:	181530
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	10.7	9.2 13.8
68	7.0	5.8 8.6

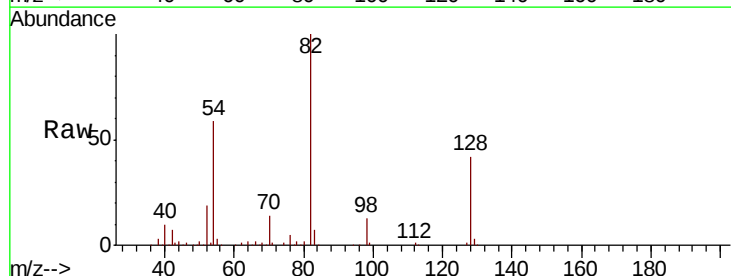


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

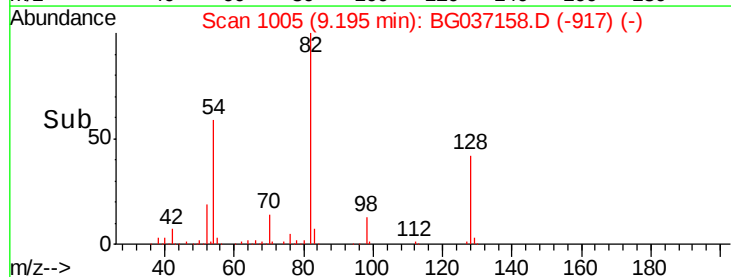
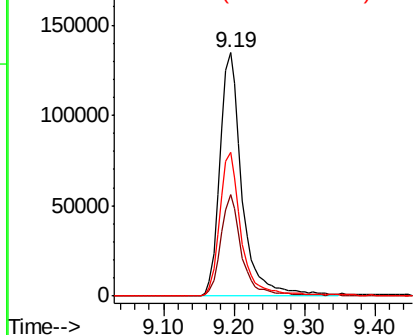


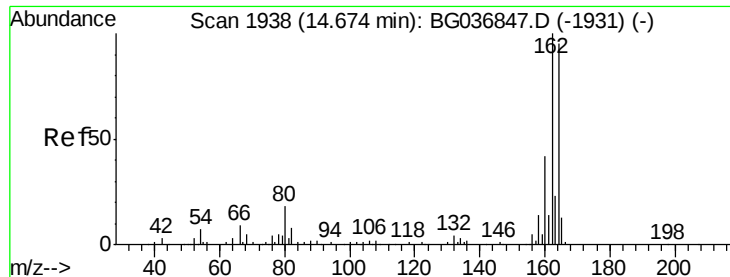
#23
Nitrobenzene-d5
Concen: 86.878 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.02 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Tgt Ion: 82	Resp:	294503
Ion	Ratio	Lower Upper
82	100	
128	41.9	33.3 49.9
54	59.3	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: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037158.D

Acq: 4 Oct 2018 16:52

Instrument :

BNA_G

ClientSampleId :

293-230

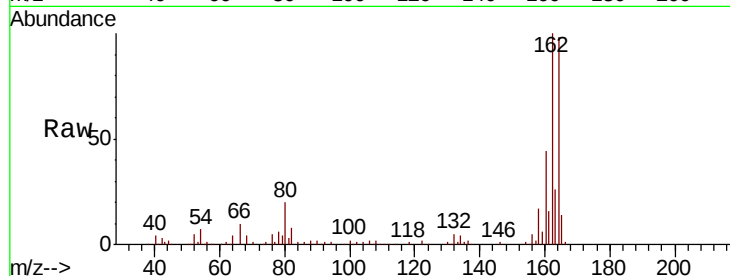
Tot Ion:164 Resp: 118919

Ion Ratio Lower Upper

164 100

162 102.0 80.7 121.1

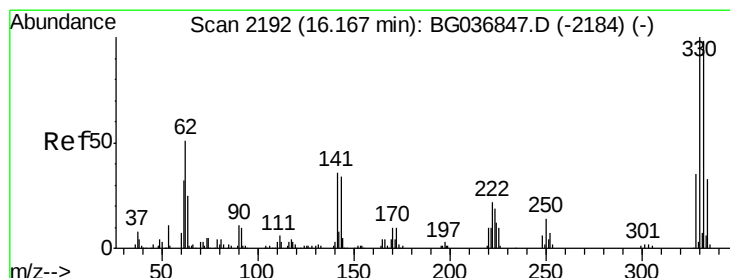
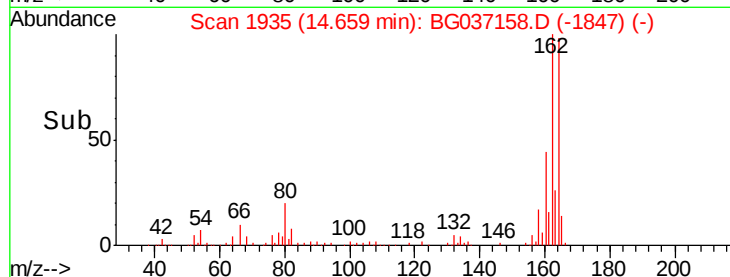
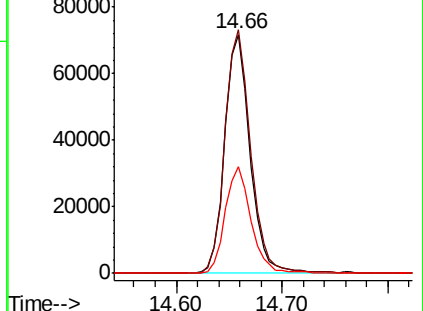
160 44.6 35.3 52.9



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: 133.745 ng

RT: 16.15 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037158.D

Acq: 4 Oct 2018 16:52

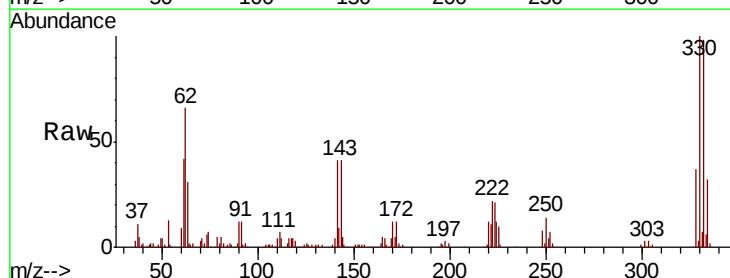
Tgt Ion:330 Resp: 190291

Ion Ratio Lower Upper

330 100

332 97.9 75.4 113.2

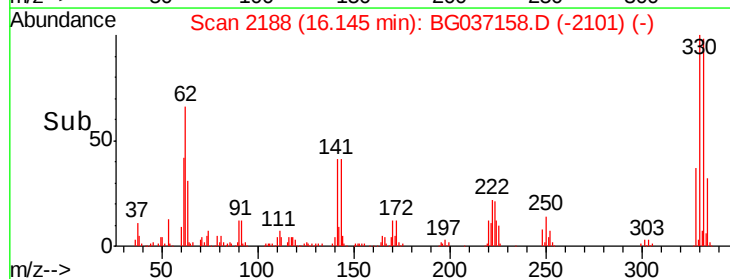
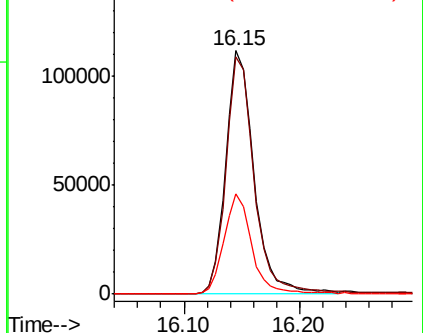
141 41.0 30.7 46.1

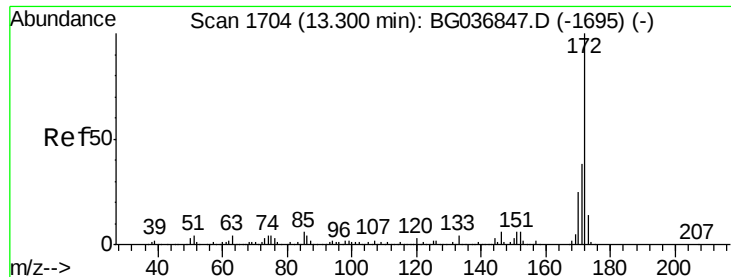


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

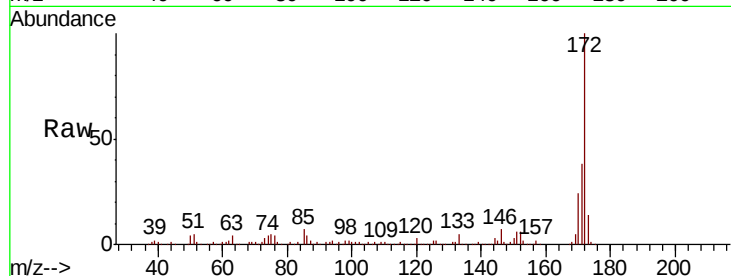




#44
2-Fluorobiphenyl
Concen: 79.337 ng
RT: 13.28 min Scan# 1700
Delta R.T. -0.02 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Instrument :
BNA_G
ClientSampleId :
293-230

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.3	46.9
170	24.4	21.0	31.6

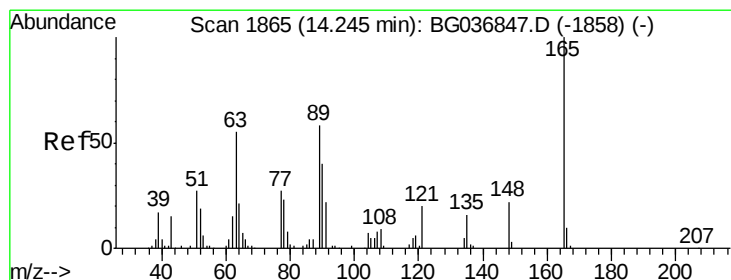
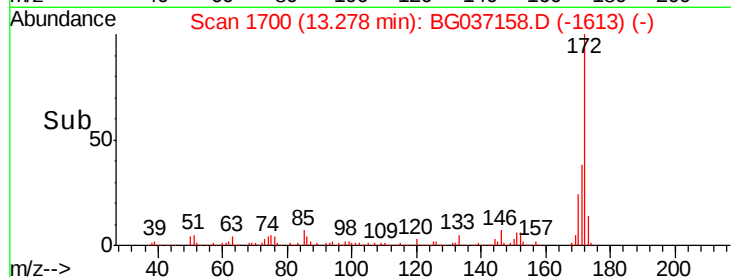
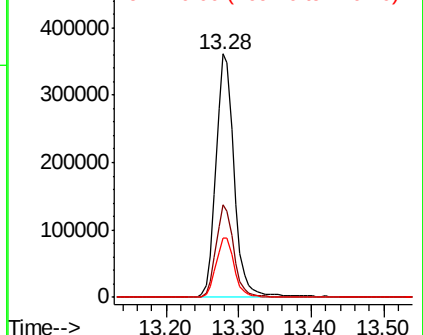


Abundance

Ion 172.00 (171.70 to 172.70): E

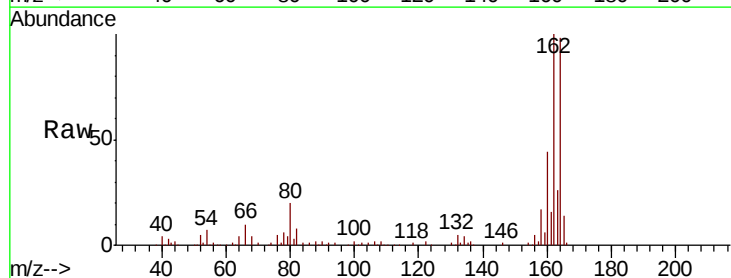
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
2,6-Dinitrotoluene
Concen: 7.494 ng
RT: 14.66 min Scan# 1935
Delta R.T. 0.41 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	50.1	75.1#
89	1.8	47.8	71.6#

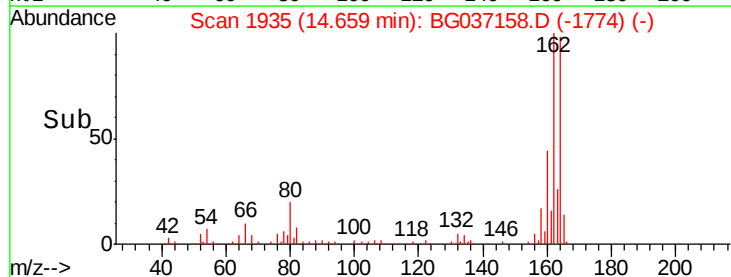
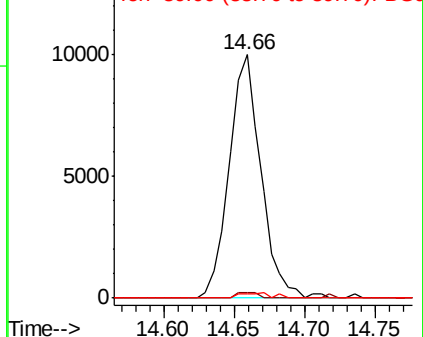


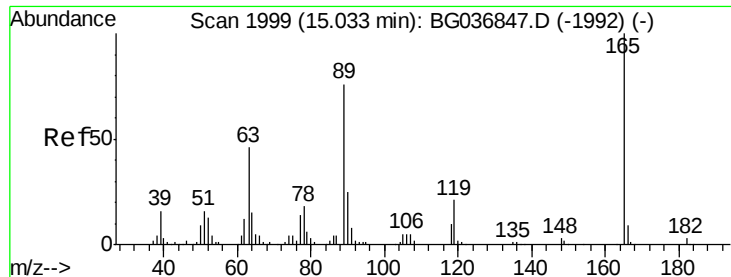
Abundance

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

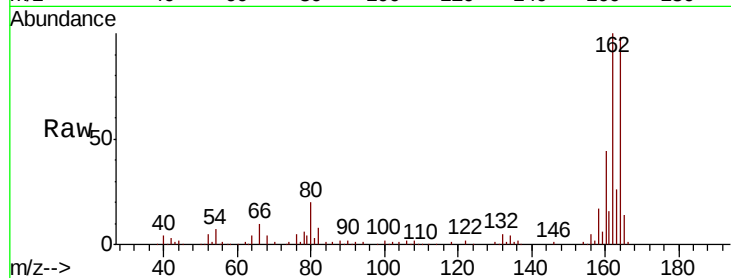




#56
2,4-Dinitrotoluene
Concen: 5.371 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.37 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Instrument :
BNA_G
ClientSampleId :
293-230

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	40.1	60.1#
89	1.8	63.7	95.5#
182	0.0	2.5	3.7#



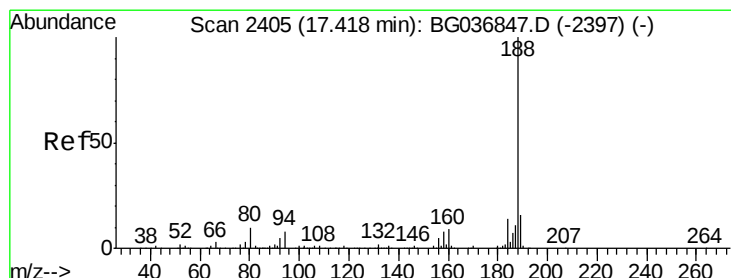
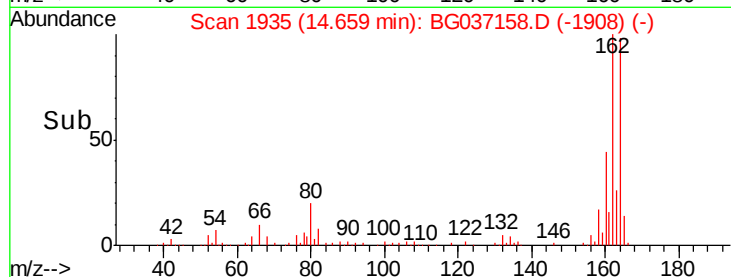
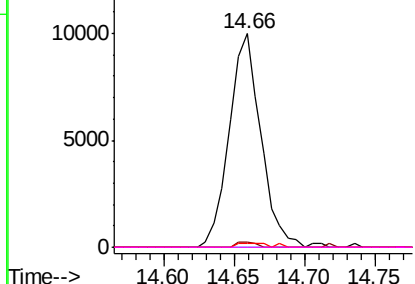
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

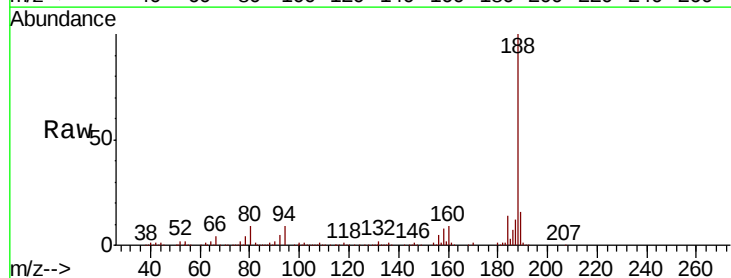
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2402
Delta R.T. -0.02 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	9.4	8.1	12.1

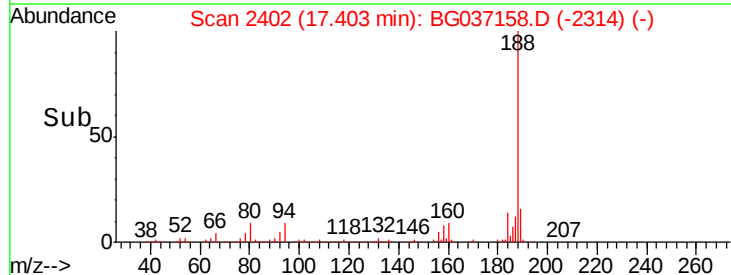
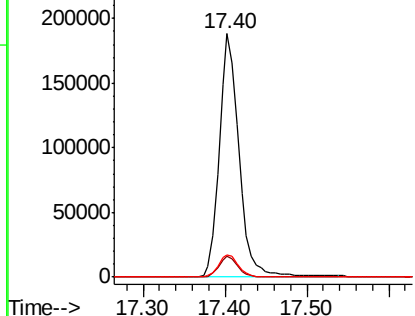


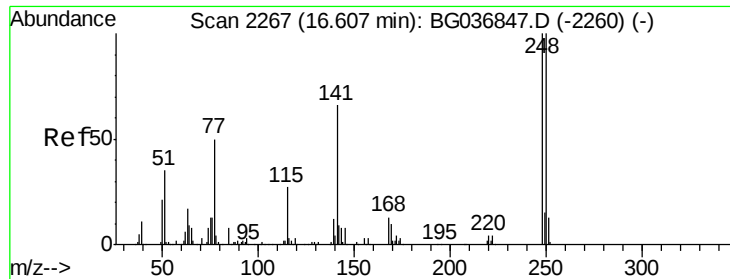
Abundance

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

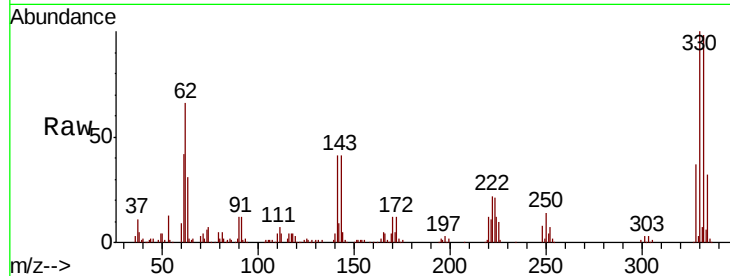




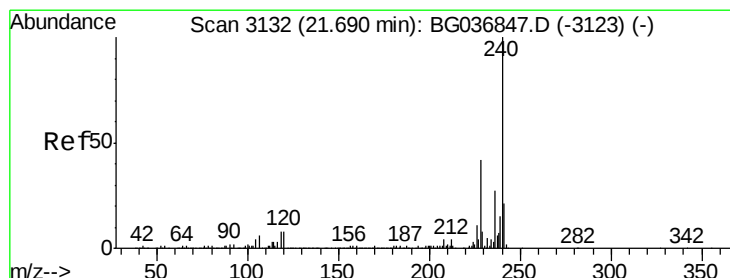
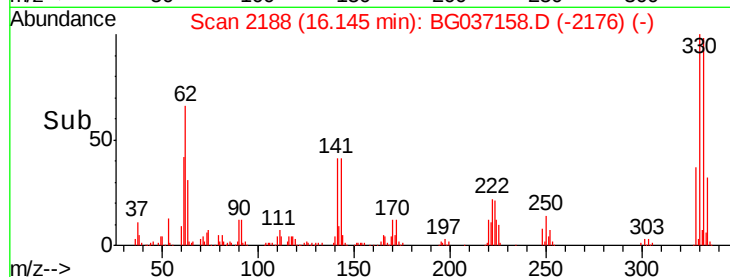
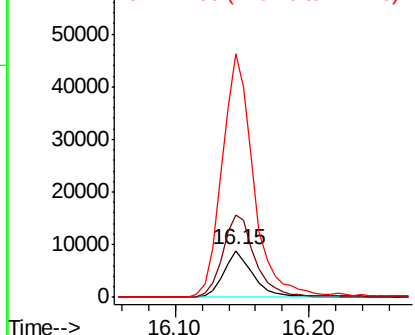
#66
4-Bromophenyl-phenylether
Concen: 3.774 ng
RT: 16.15 min Scan# 2188
Delta R.T. -0.46 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Instrument :
BNA_G
ClientSampleId :
293-230

Tot Ion:248 Resp: 13650
Ion Ratio Lower Upper
248 100
250 176.7 78.1 117.1#
141 521.9 53.7 80.5#

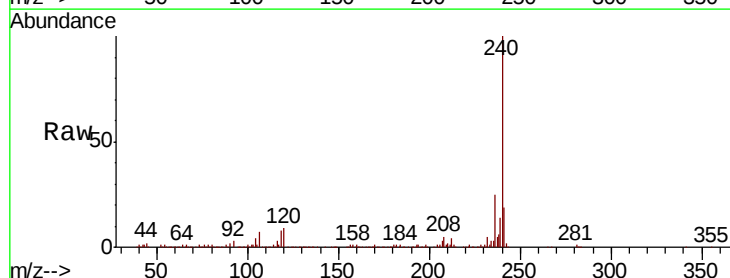


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

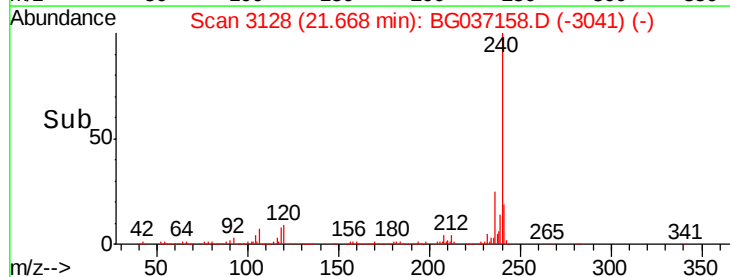
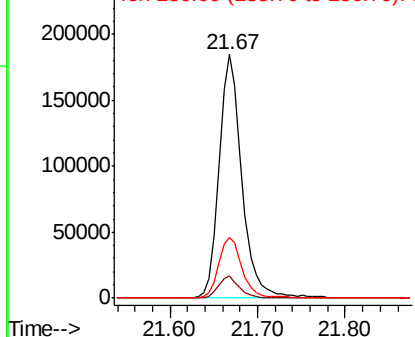


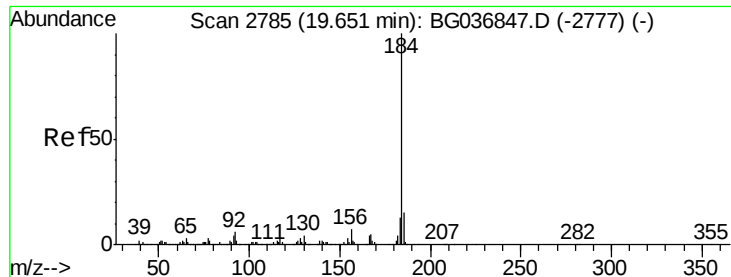
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.02 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Tgt Ion:240 Resp: 331344
Ion Ratio Lower Upper
240 100
120 8.9 6.9 10.3
236 24.9 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

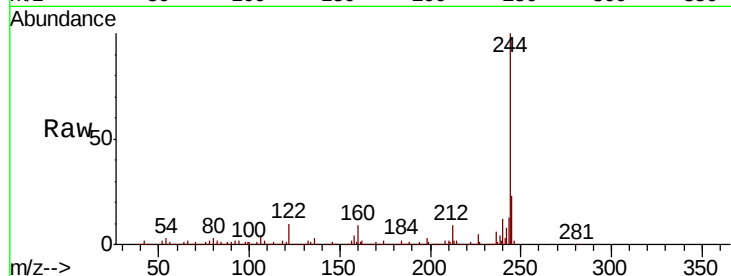




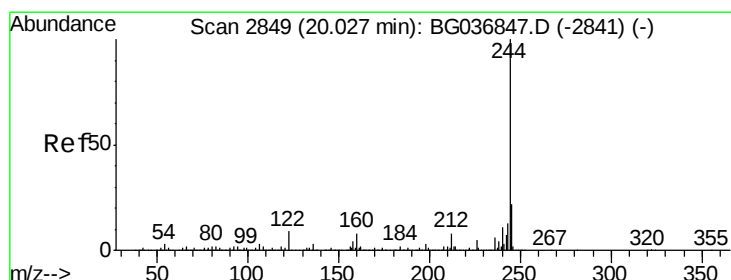
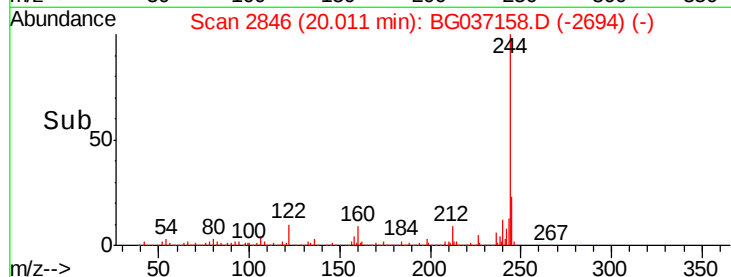
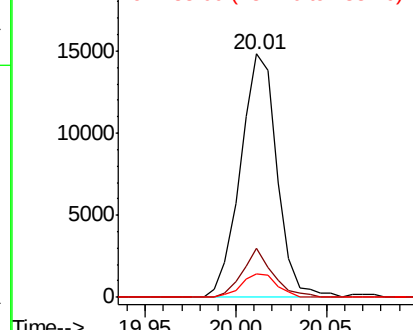
#76
Benzidine
Concen: 2.073 ng
RT: 20.01 min Scan# 2846
Delta R.T. 0.36 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Instrument :
BNA_G
ClientSampleId :
293-230

Tot Ion:184 Resp: 20762
Ion Ratio Lower Upper
184 100
185 20.1 12.6 18.8#
183 9.7 10.9 16.3#

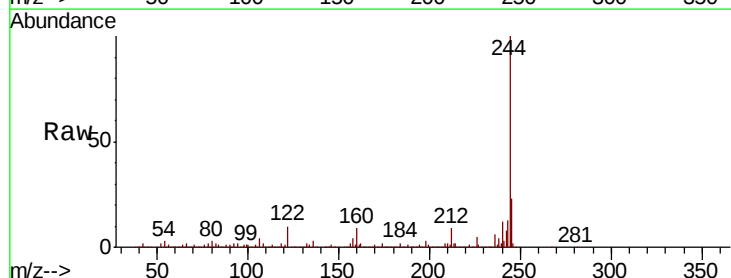


Abundance Ion 184.00 (183.70 to 184.70): E
20000 Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

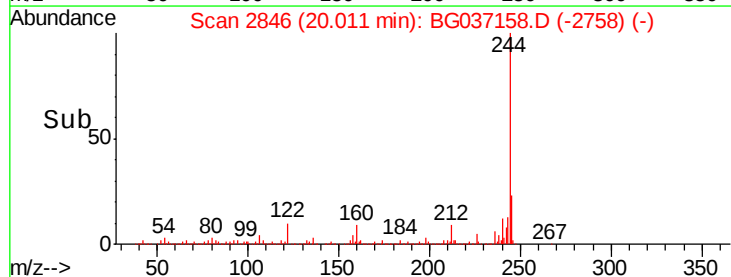
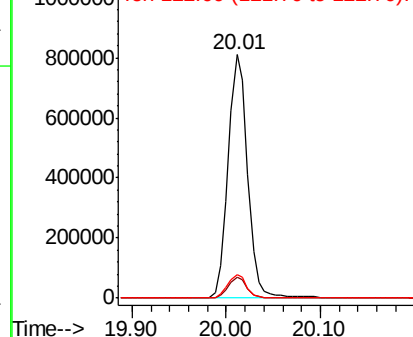


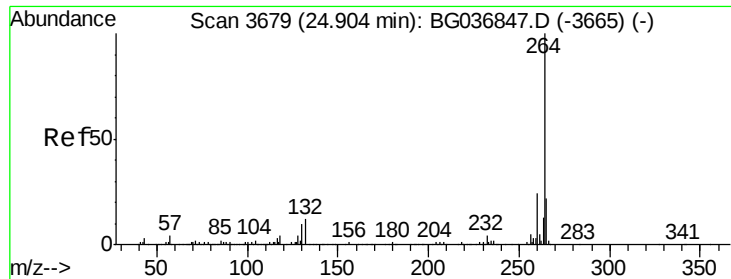
#78
Terphenyl-d14
Concen: 93.048 ng
RT: 20.01 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BG037158.D
Acq: 4 Oct 2018 16:52

Tgt Ion:244 Resp: 1172508
Ion Ratio Lower Upper
244 100
212 8.6 7.0 10.6
122 9.6 7.1 10.7



Abundance Ion 244.00 (243.70 to 244.70): E
1000000 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: 24.86 min Scan# 3672
 Delta R.T. -0.04 min
 Lab File: BG037158.D
 Acq: 4 Oct 2018 16:52

Instrument :
 BNA_G
 ClientSampleId :
 293-230

Tot Ion:	264	Resp:	325774
Ion	Ratio	Lower	Upper
264	100		
260	21.4	19.6	29.4
265	21.0	17.4	26.0

