

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092818\
 Data File : BG037056.D
 Acq On : 28 Sep 2018 19:04
 Operator : JU/SJ
 Sample : J4771-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 29 06:11:53 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

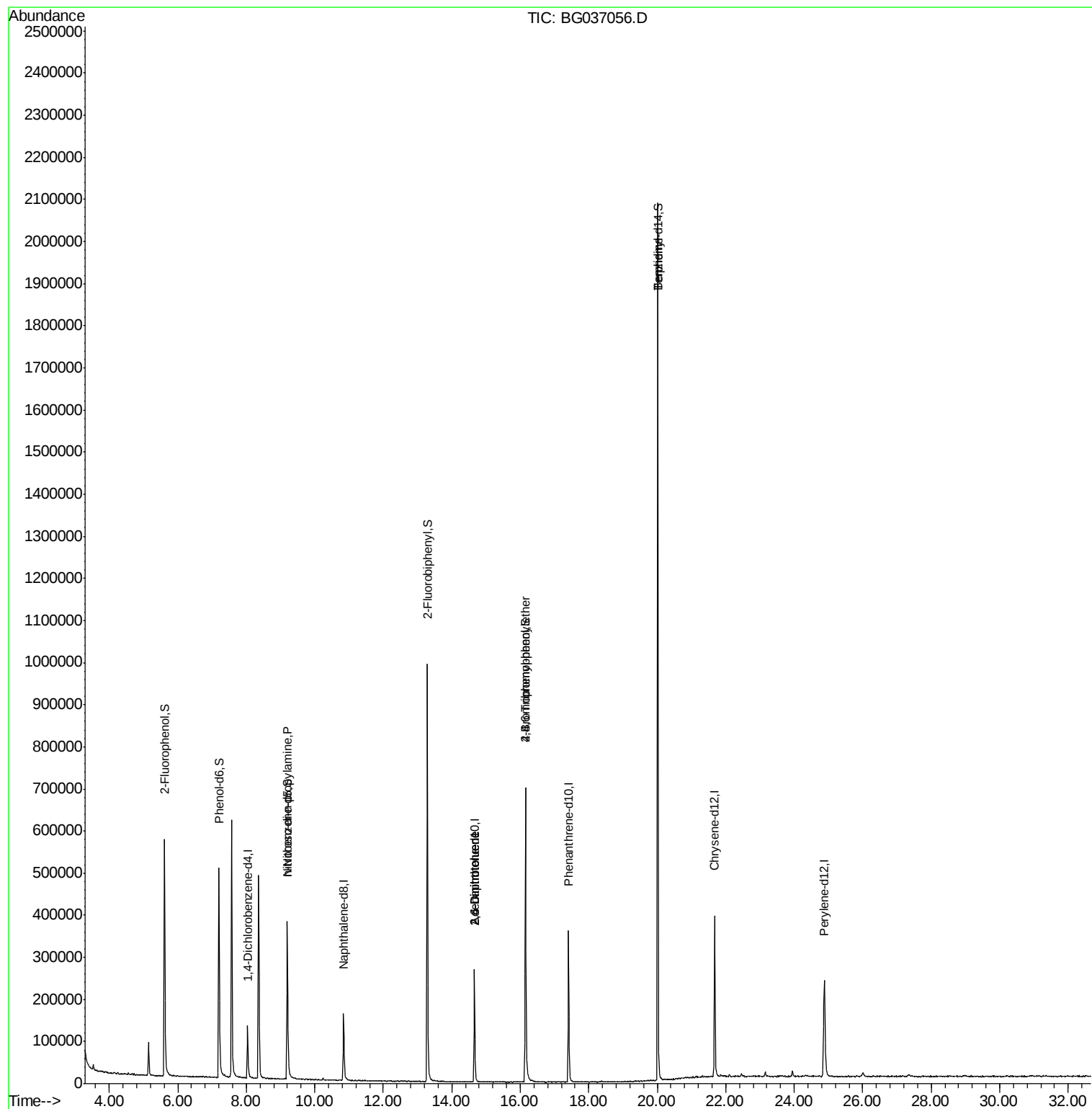
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	40133	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	161771	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	100315	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	259769	20.00	ng	-0.01
75) Chrysene-d12	21.68	240	278054	20.00	ng	-0.01
86) Perylene-d12	24.88	264	274252	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	269494	128.78	ng	0.00
7) Phenol-d6	7.20	99	324003	100.07	ng	-0.01
23) Nitrobenzene-d5	9.20	82	279680	92.58	ng	-0.01
41) 2,4,6-Tribromophenol	16.16	330	148188	123.47	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	561341	83.34	ng	-0.01
78) Terphenyl-d14	20.02	244	1029641	97.37	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	36699	13.625	ng	# 74
50) 2,6-Dinitrotoluene	14.66	165	12195	6.922	ng	# 21
56) 2,4-Dinitrotoluene	14.66	165	12195	4.961	ng	# 20
66) 4-Bromophenyl-phenylether	16.16	248	10151	3.436	ng	# 1
76) Benzidine	20.02	184	17811	2.119	ng	# 91

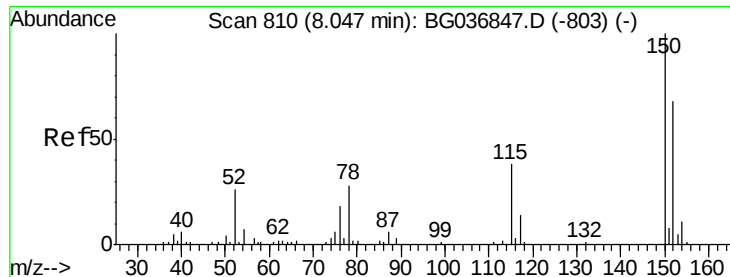
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 10:41:23 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

Instrument :

BNA_G

ClientSampleId :

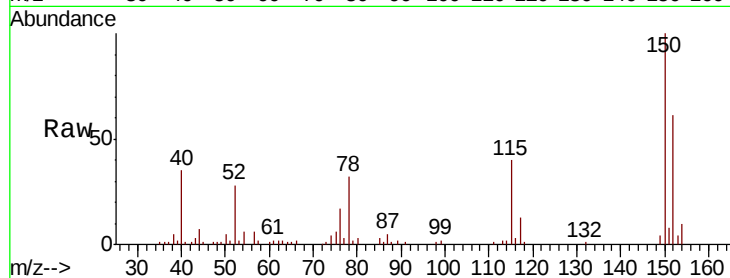
Tgt Ion:152 Resp: 40133

Ion Ratio Lower Upper

152 100

150 163.1 119.5 179.3

115 65.9 44.5 66.7

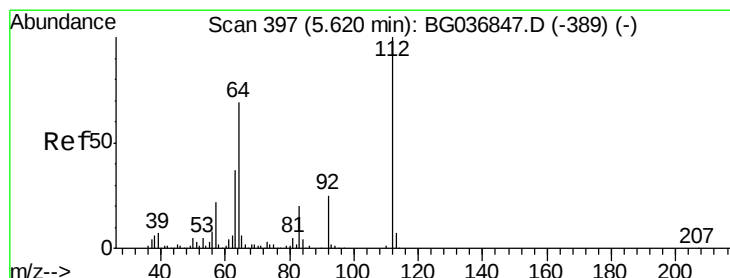
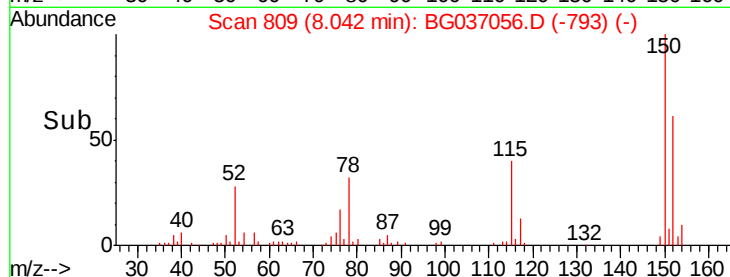
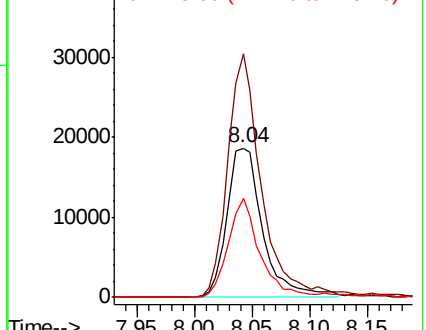


Abundance

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: 128.780 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

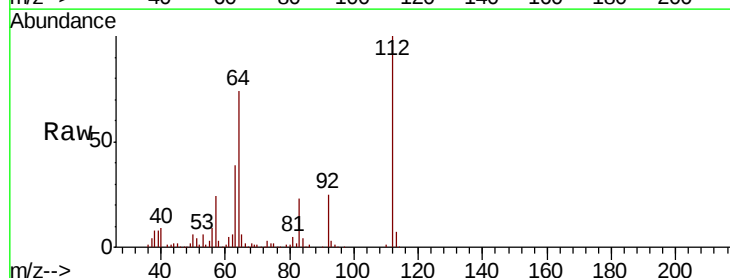
Tgt Ion:112 Resp: 269494

Ion Ratio Lower Upper

112 100

64 73.8 57.2 85.8

63 38.6 30.8 46.2

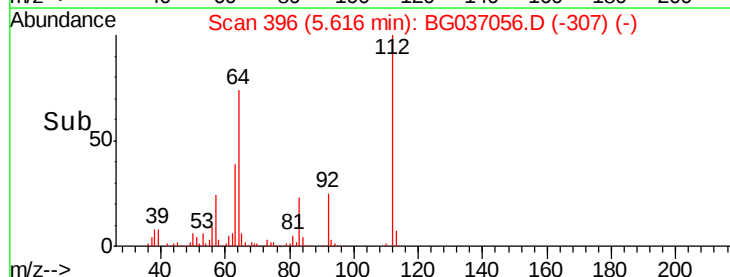
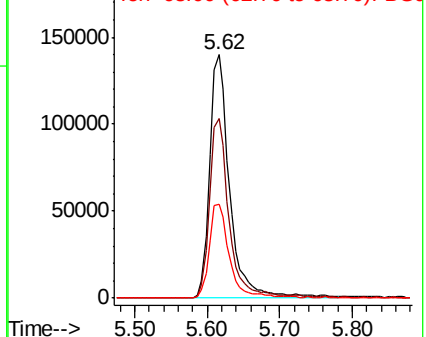


Abundance

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: 100.071 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

Instrument :

BNA_G

ClientSampleId :

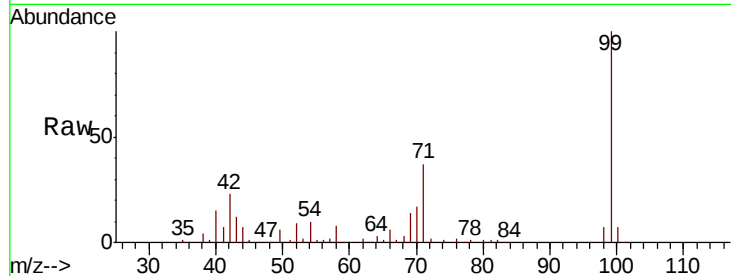
Tgt Ion: 99 Resp: 324003

Ion Ratio Lower Upper

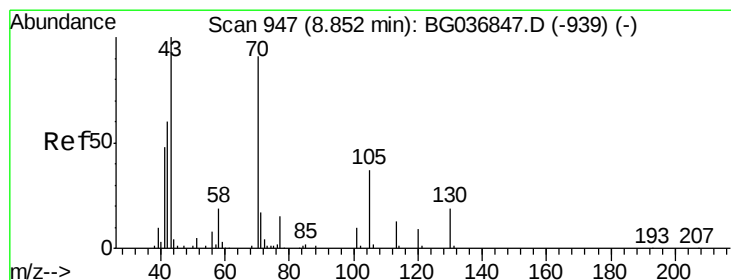
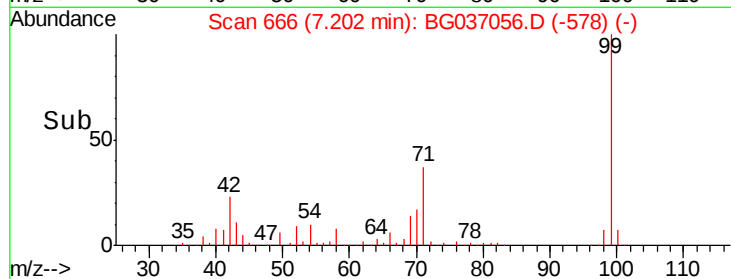
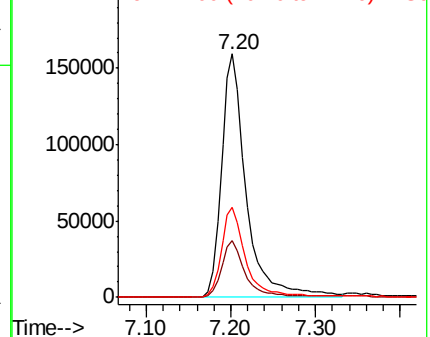
99 100

42 23.5 16.5 24.7

71 36.7 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: 13.625 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

Tgt Ion: 70 Resp: 36699

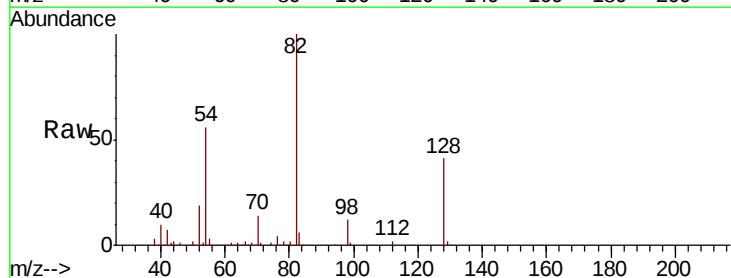
Ion Ratio Lower Upper

70 100

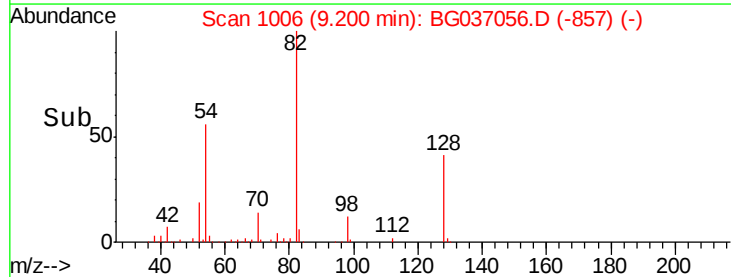
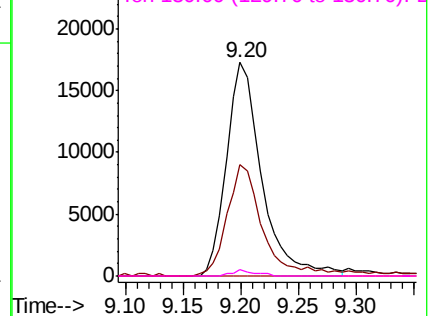
42 52.0 56.2 84.4#

101 0.0 7.8 11.6#

130 2.8 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

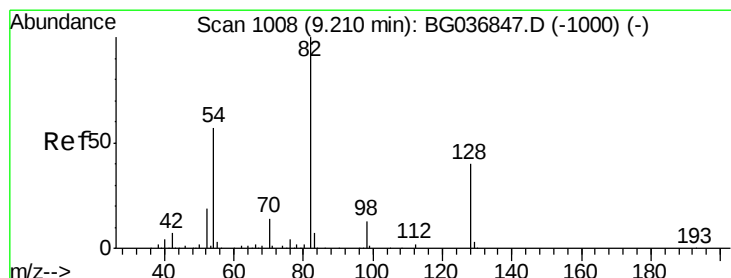
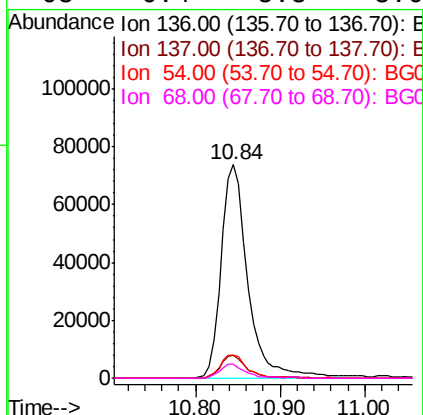
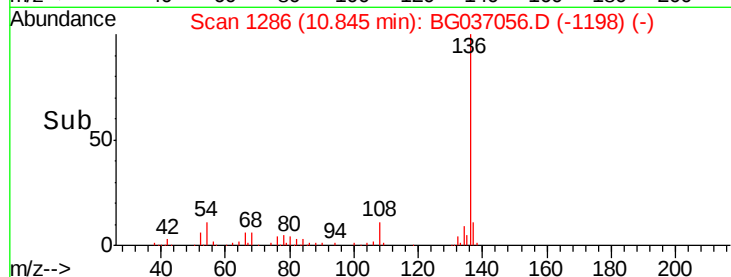
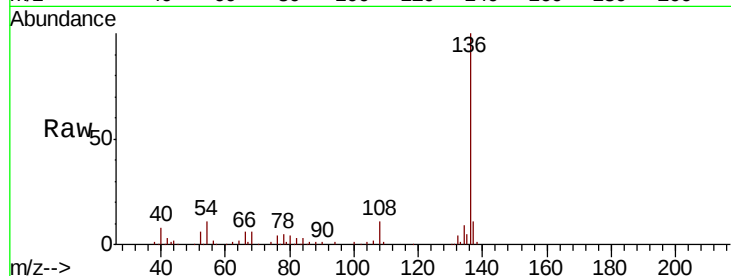




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037056.D
Acq: 28 Sep 2018 19:04

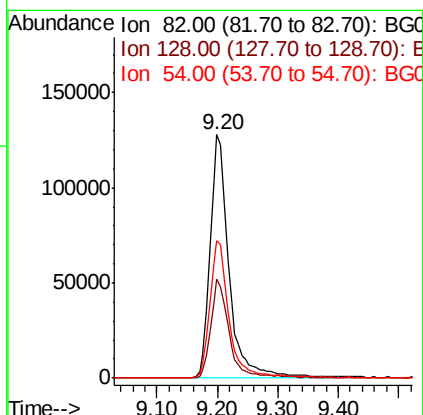
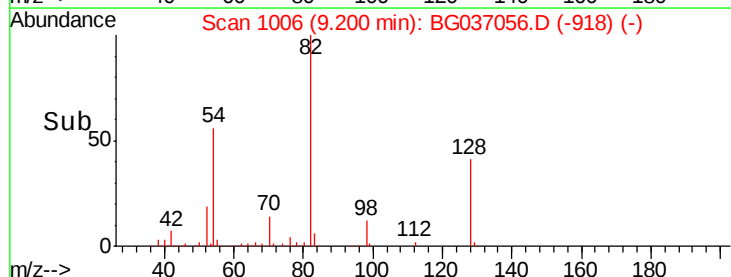
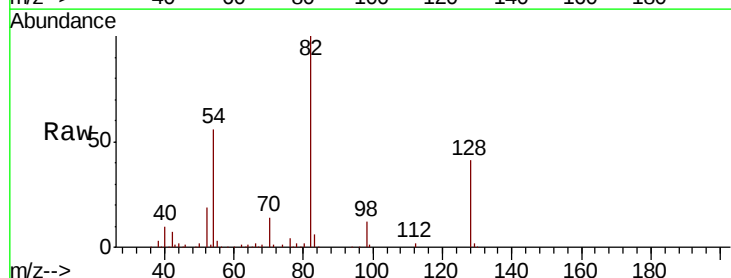
Instrument :
BNA_G
ClientSampleId :

Tgt Ion:	136	Resp:	161771
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	11.0	9.2	13.8
68	6.4	5.8	8.6



#23
Nitrobenzene-d5
Concen: 92.582 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037056.D
Acq: 28 Sep 2018 19:04

Tgt Ion:	82	Resp:	279680
Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.3	49.9
54	56.2	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

Instrument :

BNA_G

ClientSampleId :

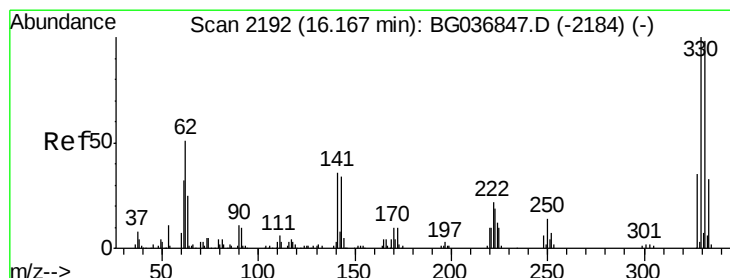
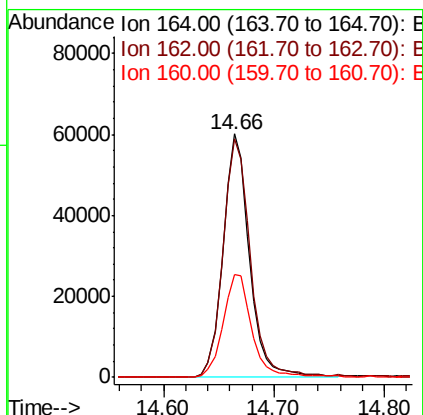
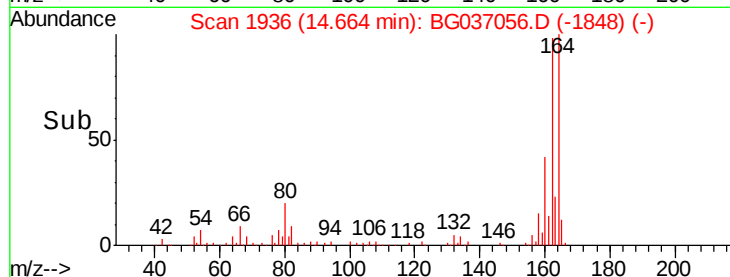
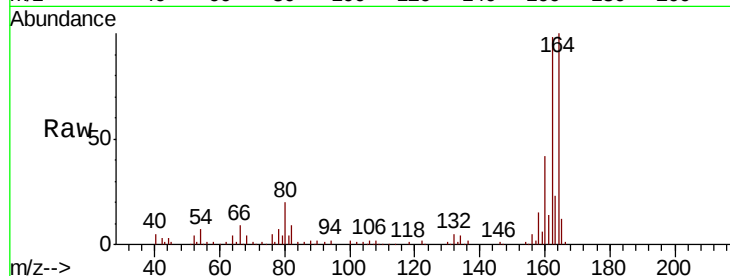
Tgt Ion:164 Resp: 100315

Ion Ratio Lower Upper

164 100

162 98.0 80.7 121.1

160 42.1 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 123.469 ng

RT: 16.16 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

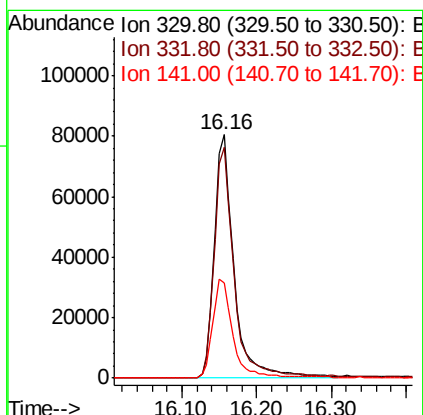
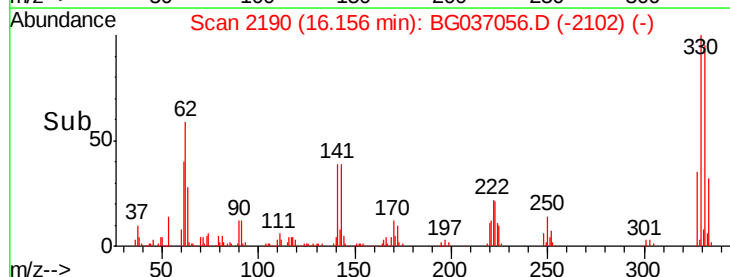
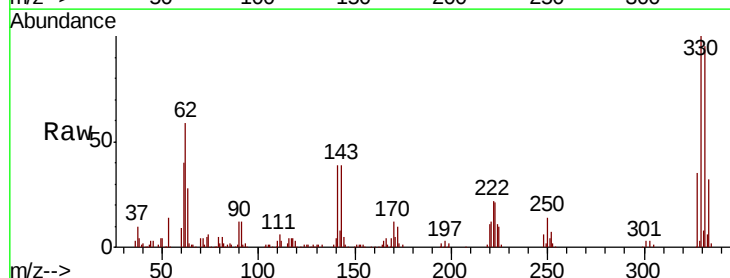
Tgt Ion:330 Resp: 148188

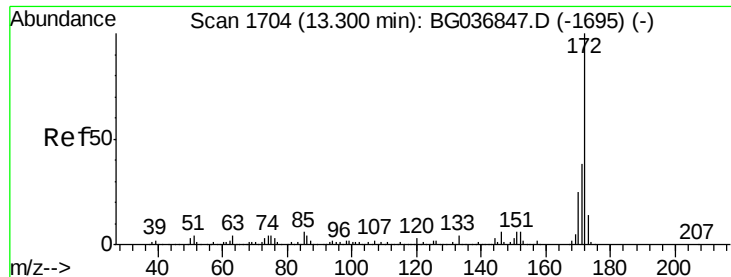
Ion Ratio Lower Upper

330 100

332 95.4 75.4 113.2

141 41.7 30.7 46.1

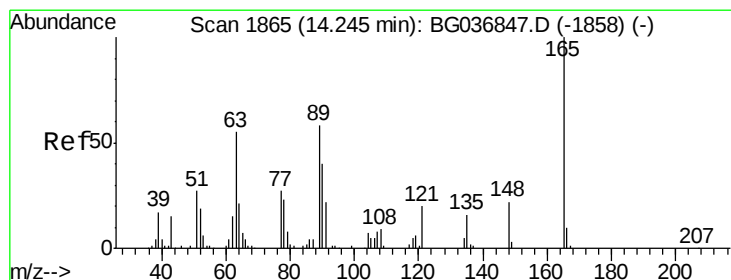
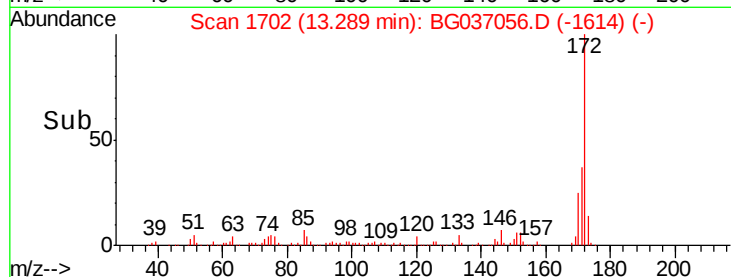
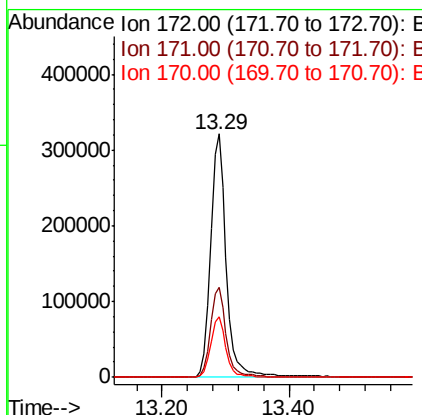
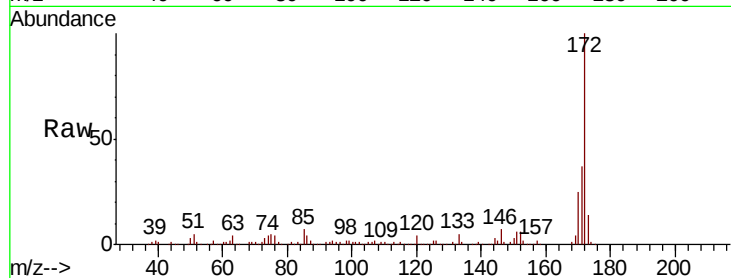




#44
 2-Fluorobiphenyl
 Concen: 83.343 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037056.D
 Acq: 28 Sep 2018 19:04

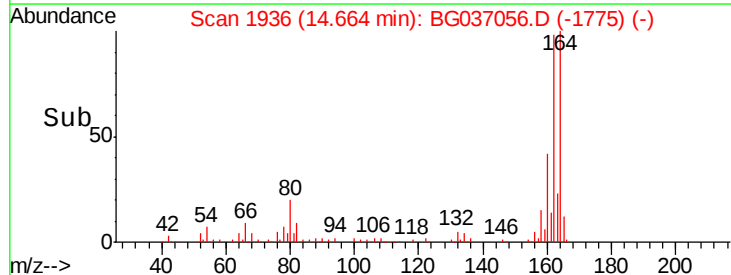
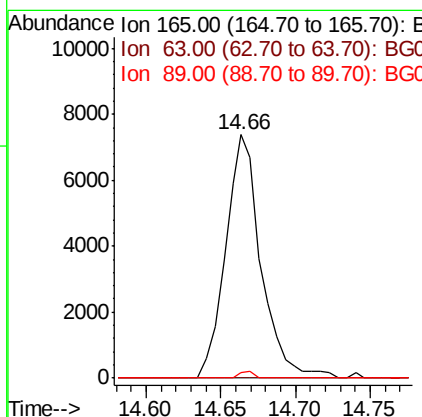
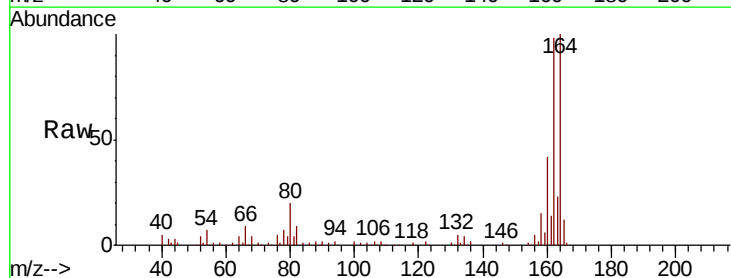
Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.3	46.9
170	24.7	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 6.922 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037056.D
 Acq: 28 Sep 2018 19:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	50.1	75.1#
89	2.3	47.8	71.6#

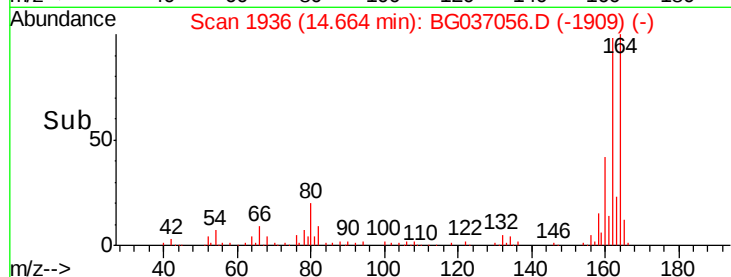
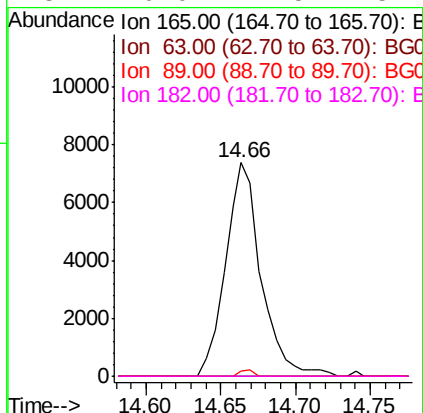
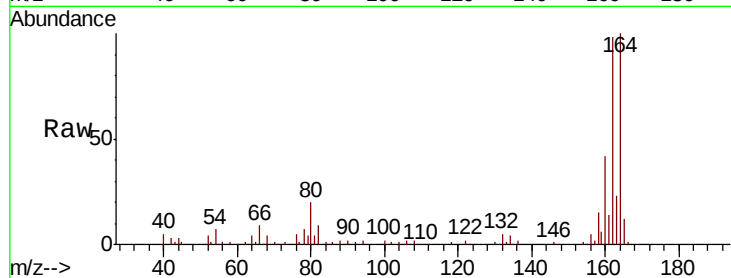




#56
 2,4-Dinitrotoluene
 Concen: 4.961 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037056.D
 Acq: 28 Sep 2018 19:04

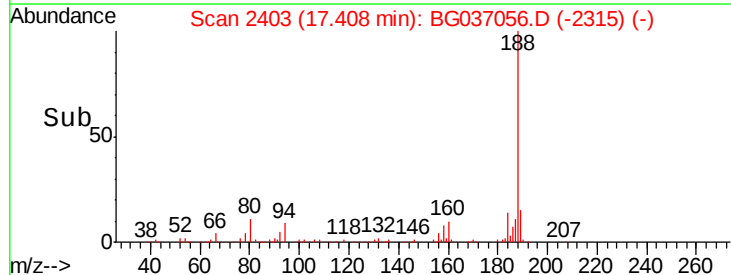
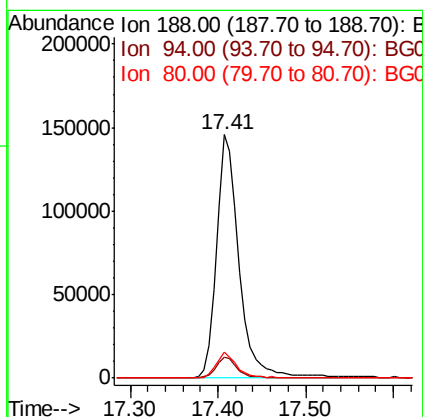
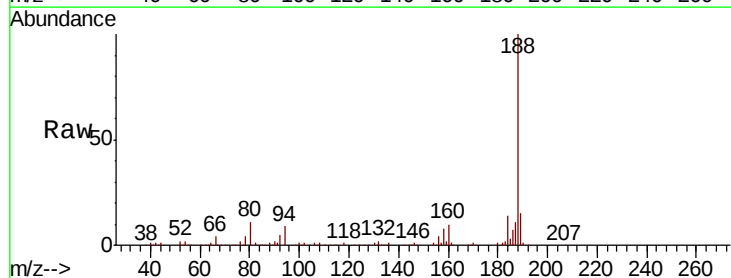
Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:	165	Resp:	12195
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	2.3	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: BG037056.D
 Acq: 28 Sep 2018 19:04

Tgt Ion:	188	Resp:	259769
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.7	10.1
80	10.5	8.1	12.1

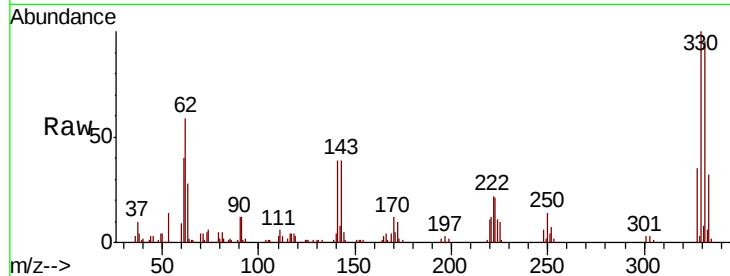




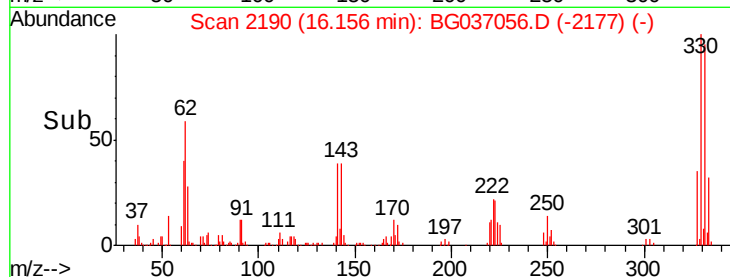
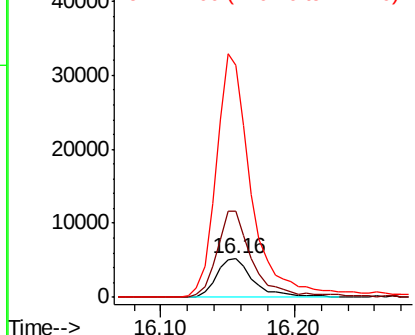
#66
 4-Bromophenyl-phenylether
 Concen: 3.436 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.45 min
 Lab File: BG037056.D
 Acq: 28 Sep 2018 19:04

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:248 Resp: 10151
 Ion Ratio Lower Upper
 248 100
 250 224.4 78.1 117.1#
 141 605.2 53.7 80.5#

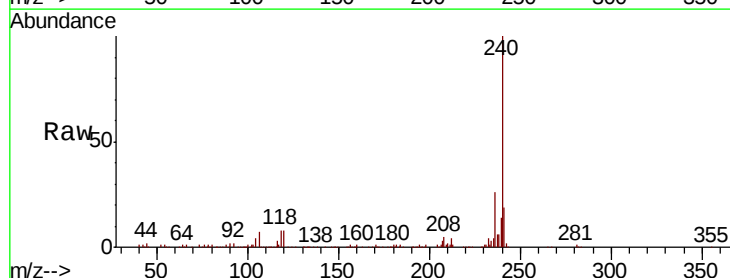


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

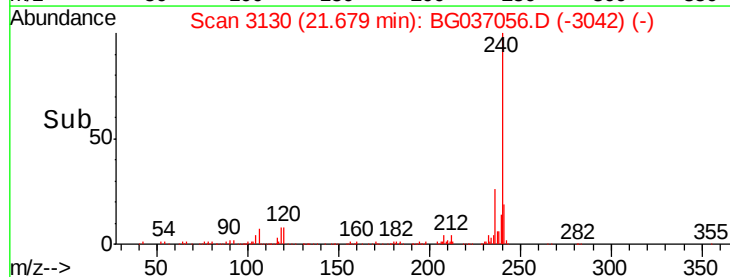
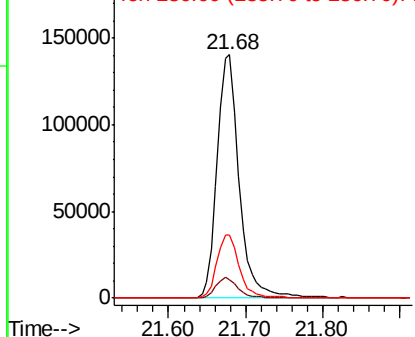


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.01 min
 Lab File: BG037056.D
 Acq: 28 Sep 2018 19:04

Tgt Ion:240 Resp: 278054
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.9 10.3
 236 26.2 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: 2.119 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

Instrument :

BNA_G

ClientSampleId :

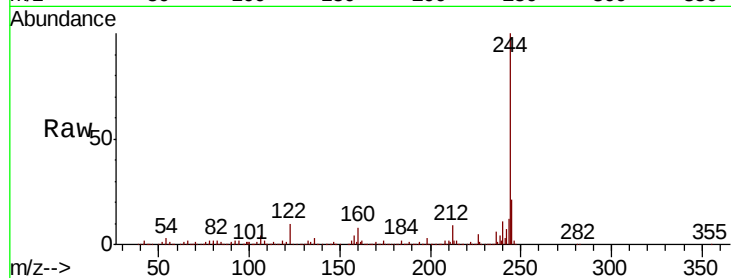
Tgt Ion:184 Resp: 17811

Ion Ratio Lower Upper

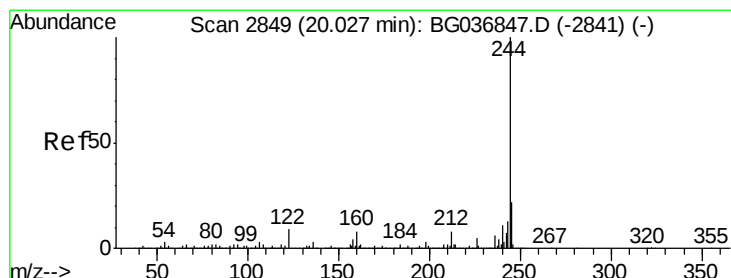
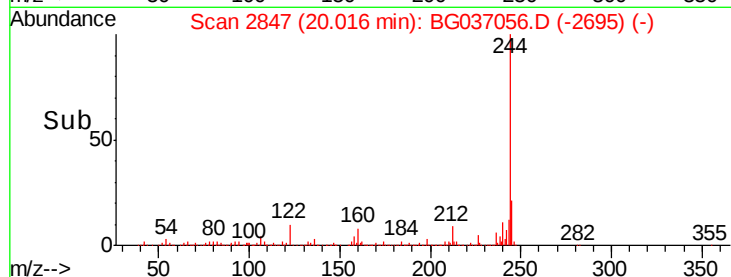
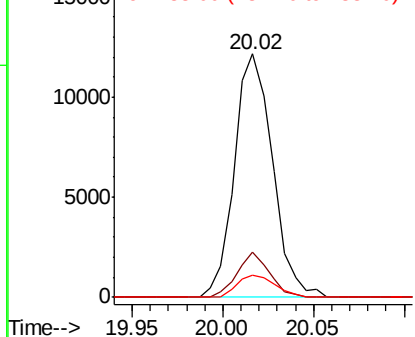
184 100

185 18.5 12.6 18.8

183 9.2 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: 97.371 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037056.D

Acq: 28 Sep 2018 19:04

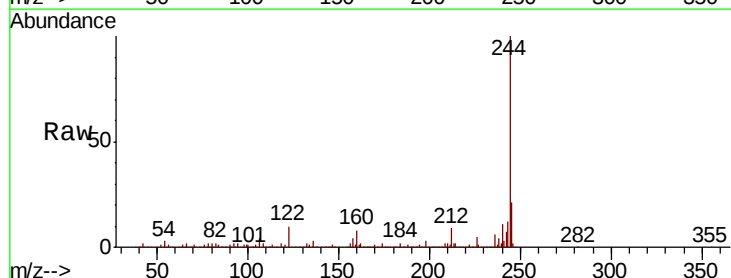
Tgt Ion:244 Resp: 1029641

Ion Ratio Lower Upper

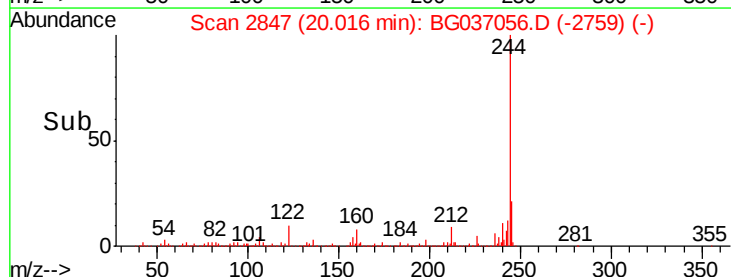
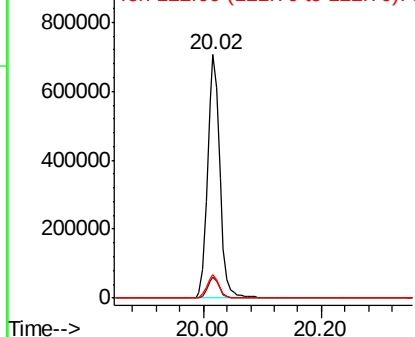
244 100

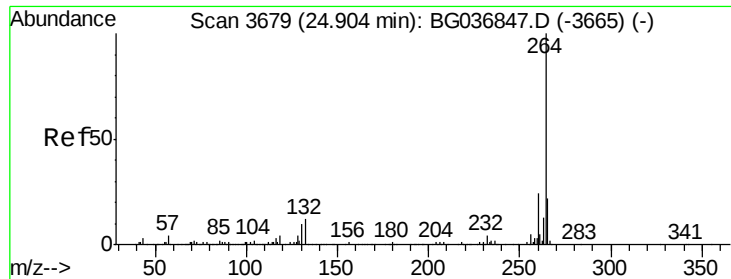
212 8.7 7.0 10.6

122 9.7 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# 3674
Delta R.T. -0.03 min
Lab File: BG037056.D
Acq: 28 Sep 2018 19:04

Instrument :
BNA_G
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	21.3	17.4	26.0

