

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092818\
 Data File : BG037069.D
 Acq On : 29 Sep 2018 3:30
 Operator : JU/SJ
 Sample : PB113333TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB113333TB

Quant Time: Sep 29 06:15:00 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

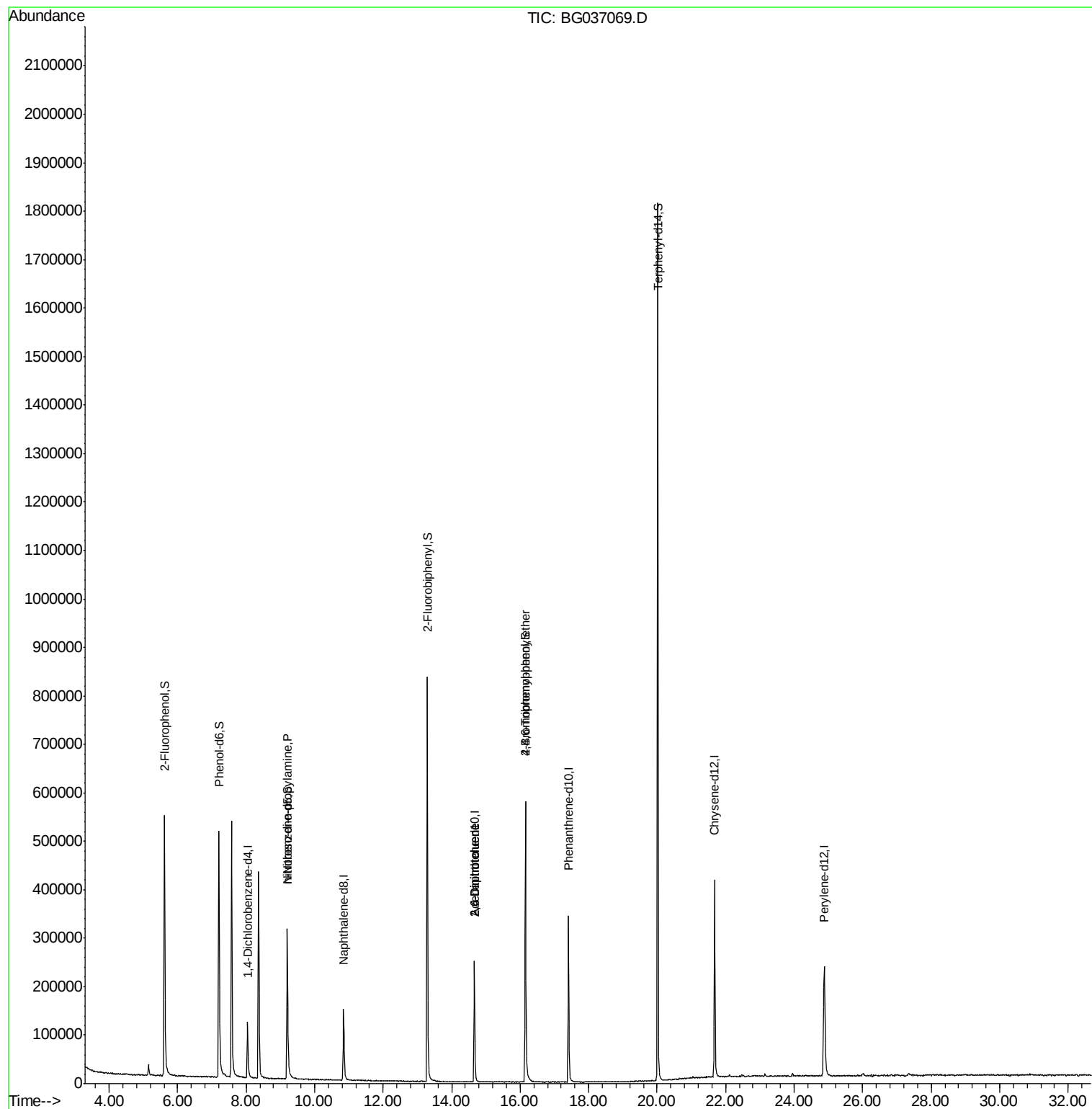
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	38597	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	158971	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	97541	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	250978	20.00	ng	0.00
75) Chrysene-d12	21.67	240	280460	20.00	ng	-0.02
86) Perylene-d12	24.88	264	268521	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	254335	126.37	ng	0.00
7) Phenol-d6	7.20	99	343898	110.44	ng	0.00
23) Nitrobenzene-d5	9.20	82	231086	77.84	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	122501	104.97	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	494012	75.43	ng	-0.02
78) Terphenyl-d14	20.02	244	890724	83.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	31203	12.046	ng	# 73
50) 2,6-Dinitrotoluene	14.66	165	12176	7.108	ng	# 20
56) 2,4-Dinitrotoluene	14.66	165	12176	5.094	ng	# 18
66) 4-Bromophenyl-phenylether	16.15	248	8338	2.921	ng	# 1

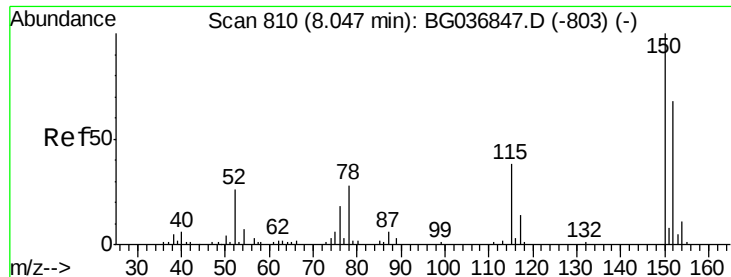
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.00 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

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ClientSampleId :

PB113333TB

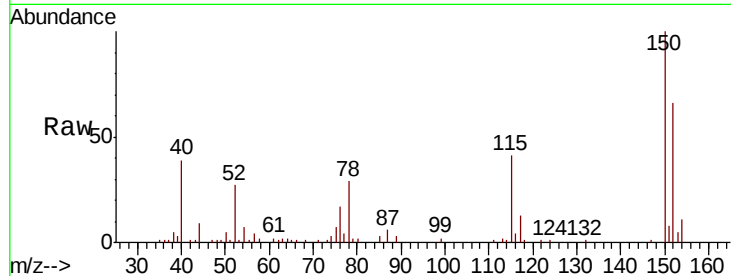
Tgt Ion:152 Resp: 38597

Ion Ratio Lower Upper

152 100

150 150.7 119.5 179.3

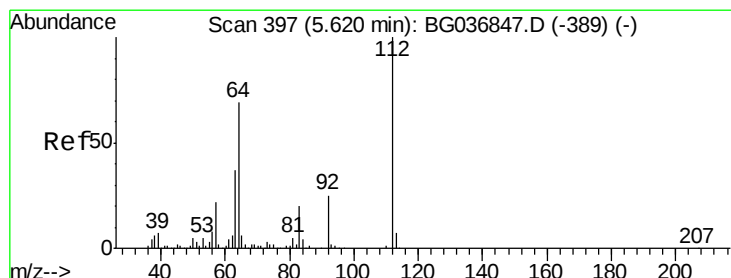
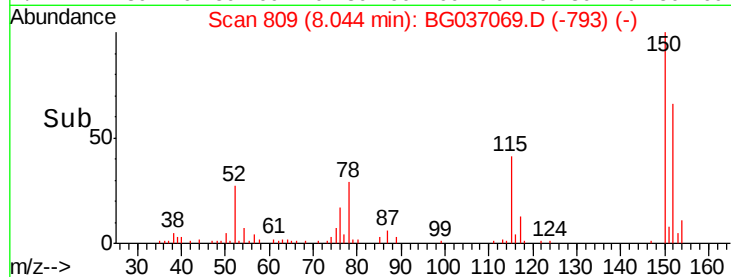
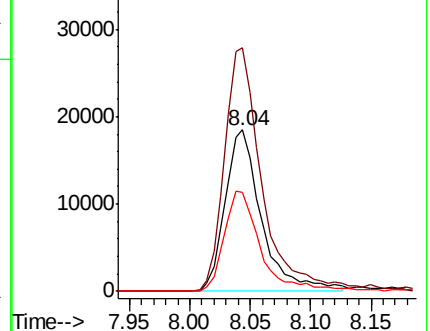
115 61.2 44.5 66.7



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: 126.372 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

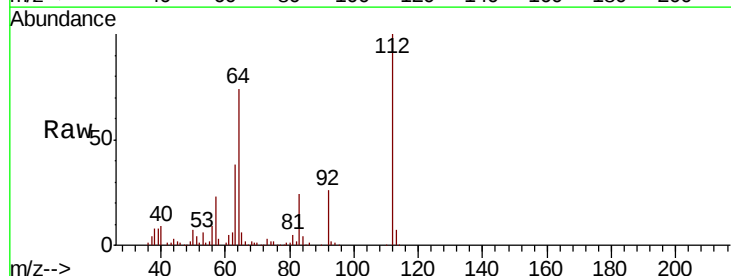
Tgt Ion:112 Resp: 254335

Ion Ratio Lower Upper

112 100

64 74.4 57.2 85.8

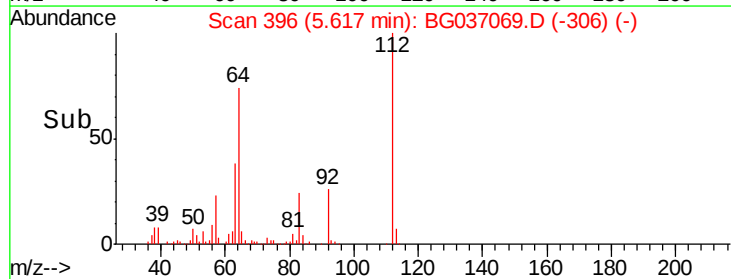
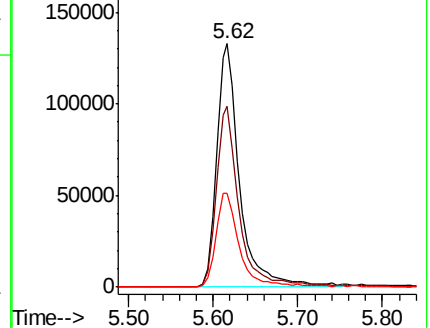
63 38.3 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 110.443 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

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PB113333TB

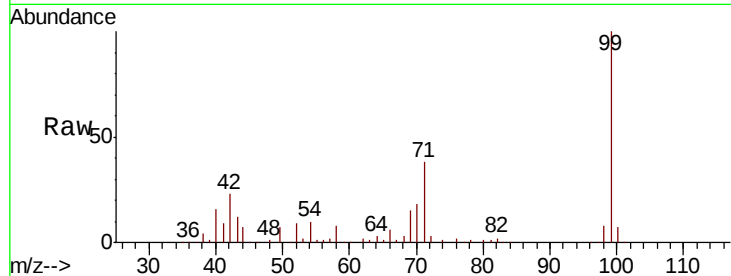
Tgt Ion: 99 Resp: 343898

Ion Ratio Lower Upper

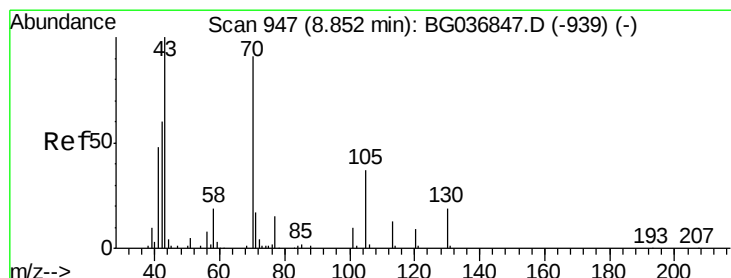
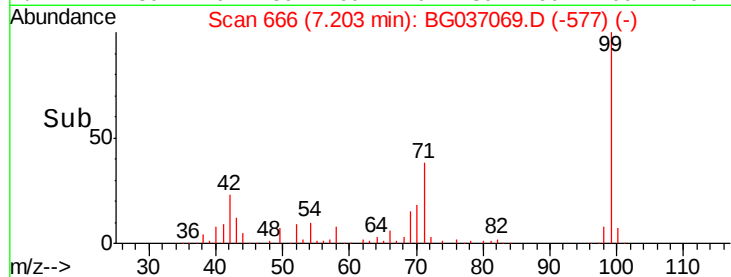
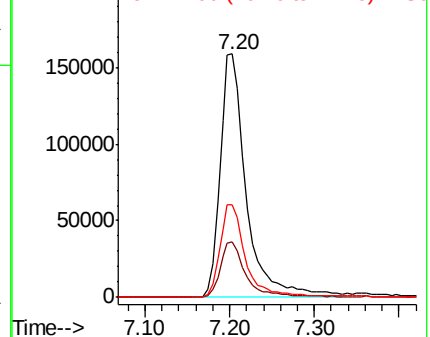
99 100

42 23.0 16.5 24.7

71 38.2 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: 12.046 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

Tgt Ion: 70 Resp: 31203

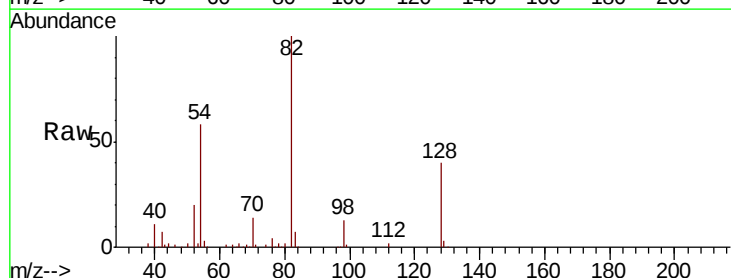
Ion Ratio Lower Upper

70 100

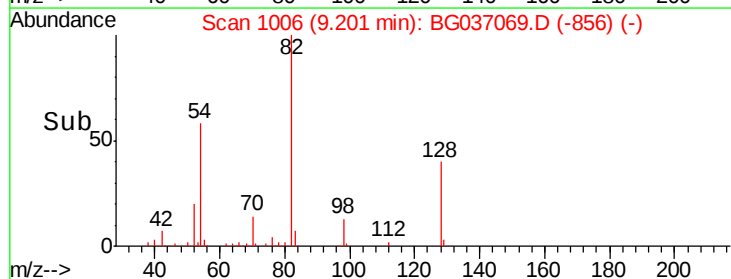
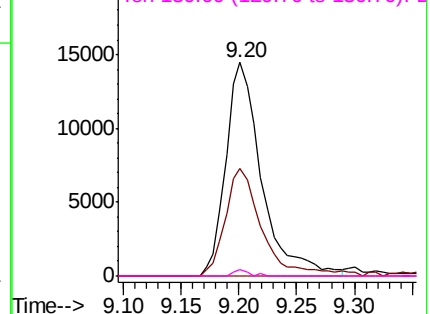
42 50.4 56.2 84.4#

101 0.0 7.8 11.6#

130 3.1 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

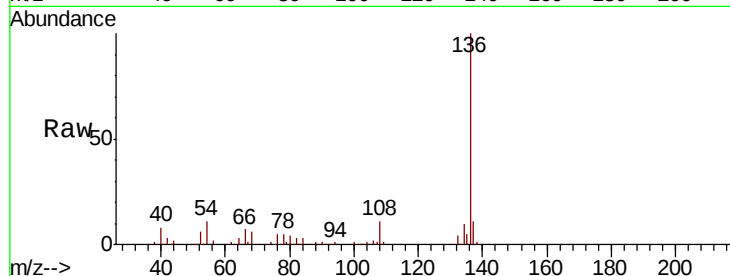




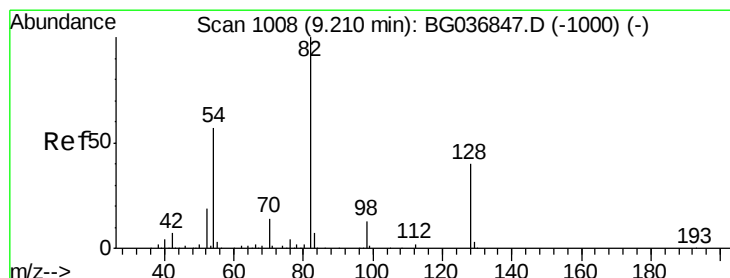
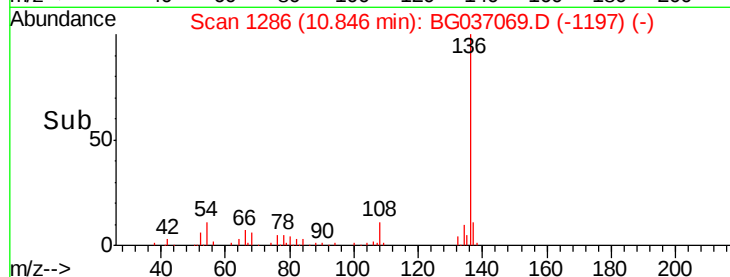
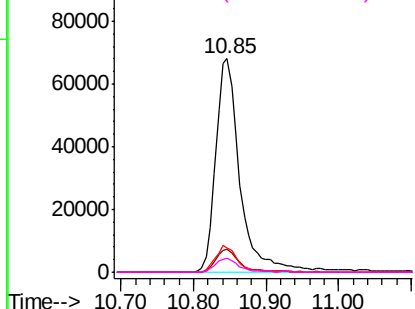
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037069.D
Acq: 29 Sep 2018 3:30

Instrument :
BNA_G
ClientSampleId :
PB113333TB

Tgt Ion:	136	Resp:	158971
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	11.4	9.2	13.8
68	6.4	5.8	8.6

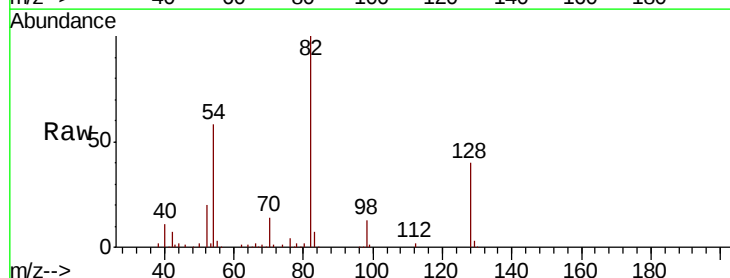


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

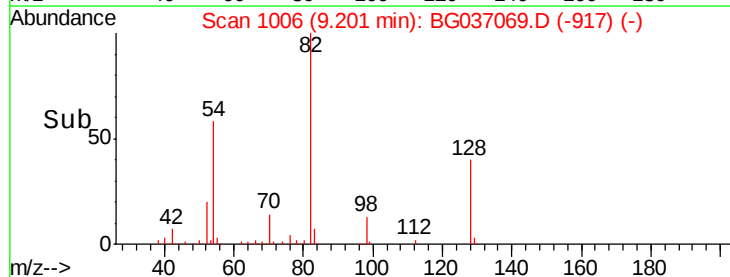
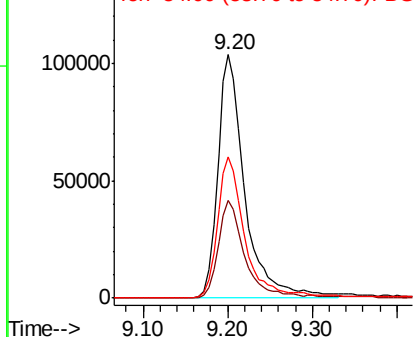


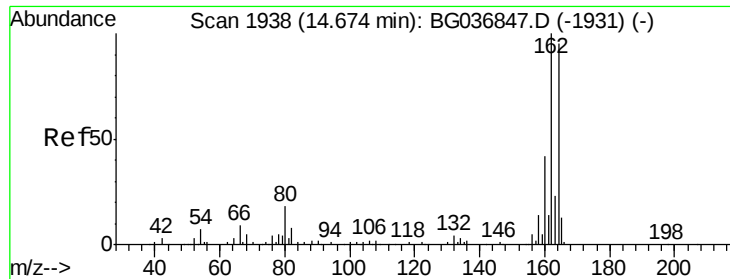
#23
Nitrobenzene-d5
Concen: 77.844 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037069.D
Acq: 29 Sep 2018 3:30

Tgt Ion:	82	Resp:	231086
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	58.2	45.1	67.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

Instrument :

BNA_G

ClientSampleId :

PB113333TB

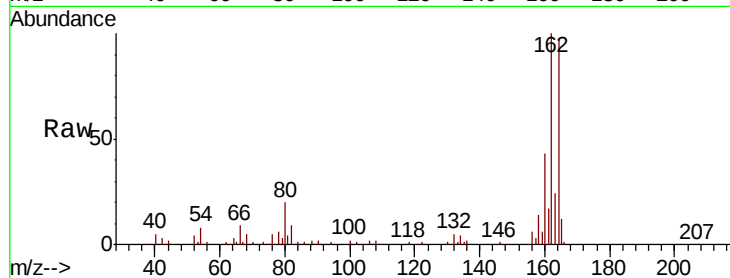
Tgt Ion:164 Resp: 97541

Ion Ratio Lower Upper

164 100

162 103.2 80.7 121.1

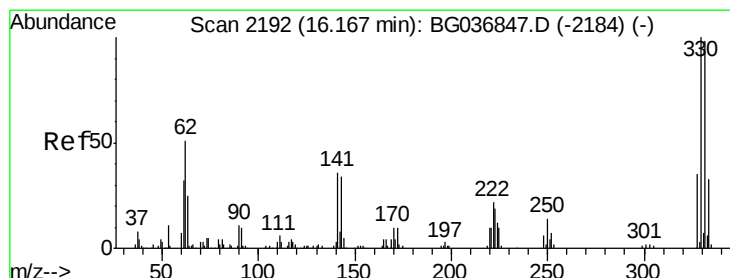
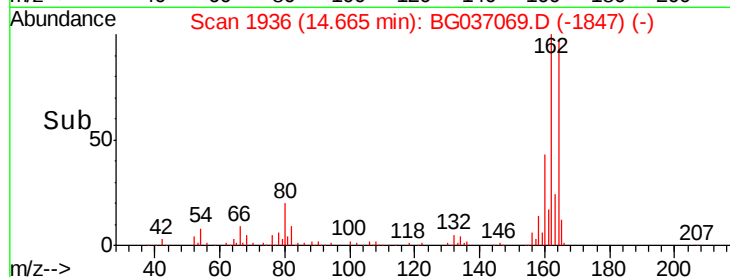
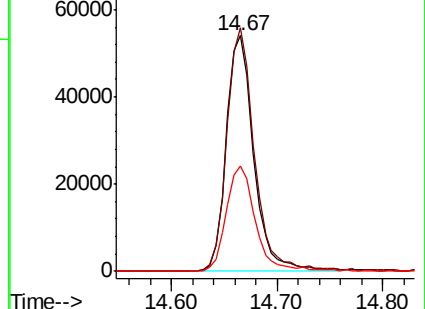
160 44.5 35.3 52.9



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: 104.969 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

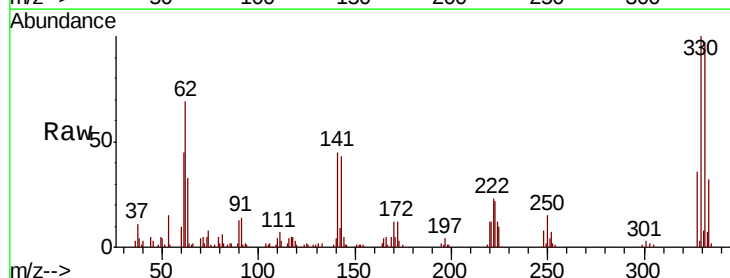
Tgt Ion:330 Resp: 122501

Ion Ratio Lower Upper

330 100

332 93.3 75.4 113.2

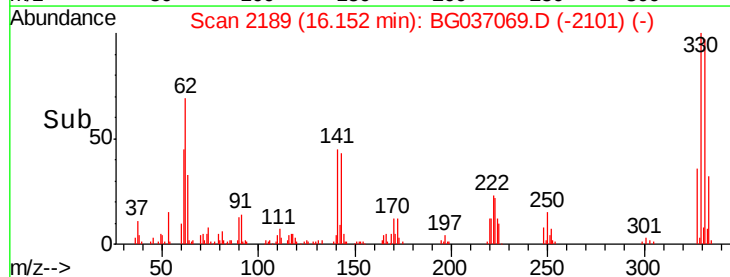
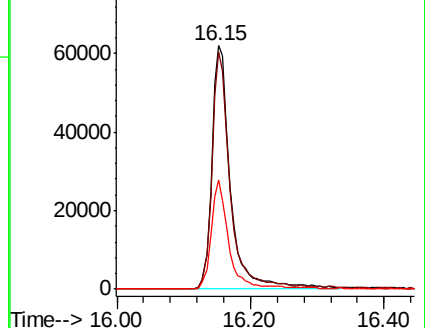
141 41.1 30.7 46.1



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

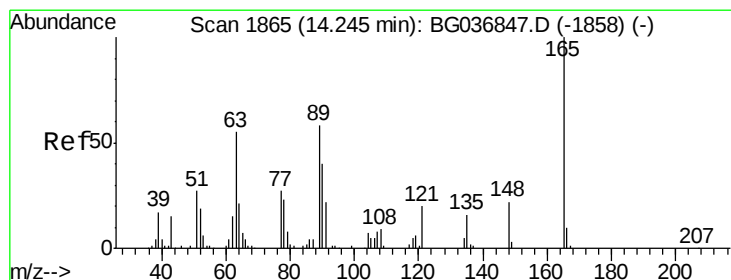
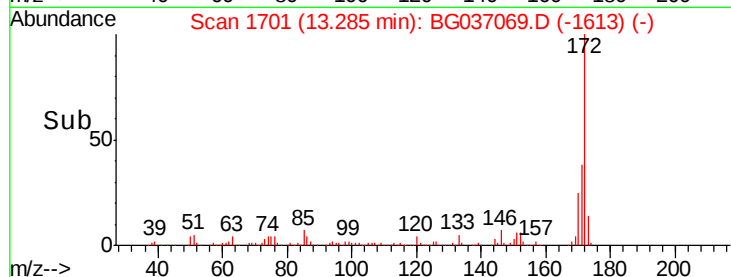
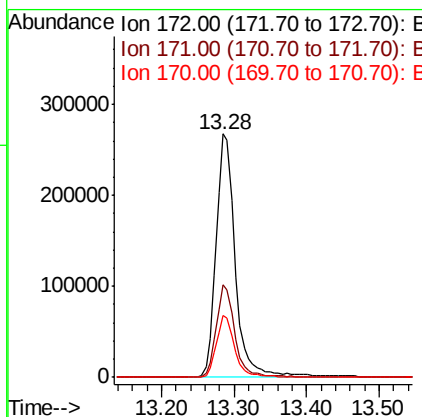
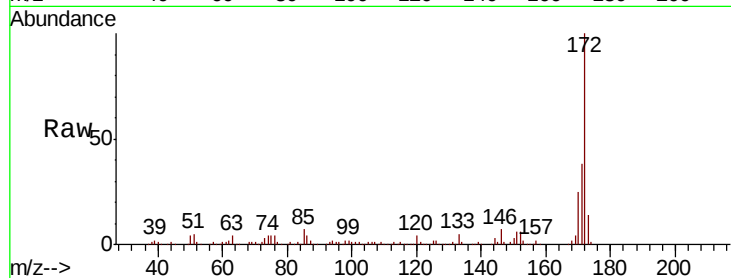




#44
 2-Fluorobiphenyl
 Concen: 75.433 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037069.D
 Acq: 29 Sep 2018 3:30

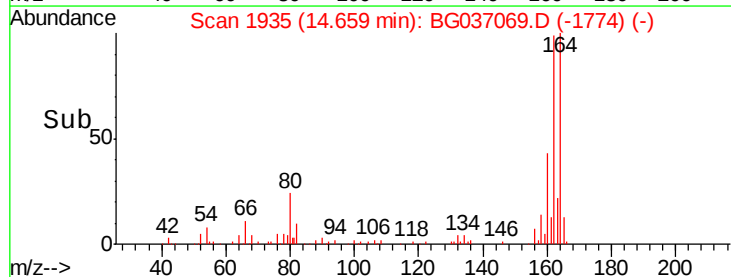
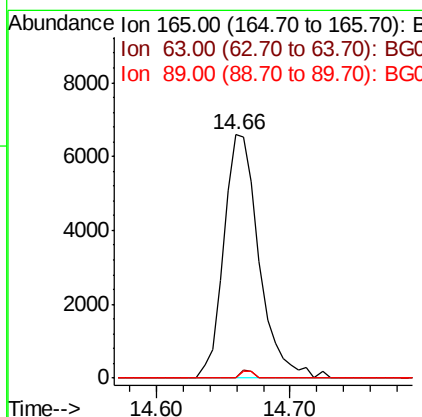
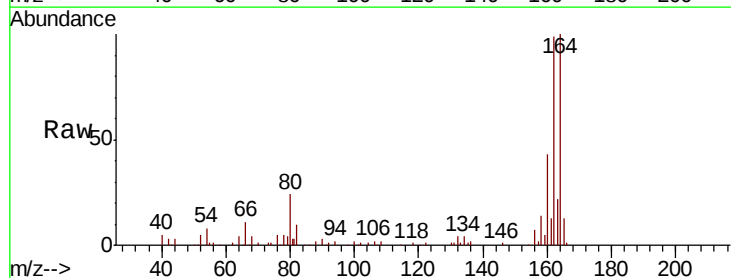
Instrument :
 BNA_G
 ClientSampleId :
 PB113333TB

Tgt Ion:172 Resp: 494012
 Ion Ratio Lower Upper
 172 100
 171 37.8 31.3 46.9
 170 25.3 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.108 ng
 RT: 14.66 min Scan# 1935
 Delta R.T. 0.41 min
 Lab File: BG037069.D
 Acq: 29 Sep 2018 3:30

Tgt Ion:165 Resp: 12176
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 0.0 47.8 71.6#

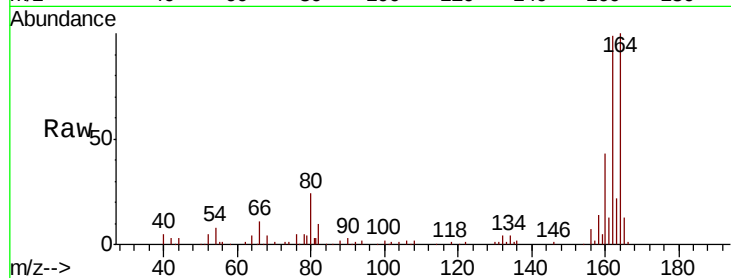




#56
2,4-Dinitrotoluene
Concen: 5.094 ng
RT: 14.66 min Scan# 1935
Delta R.T. -0.37 min
Lab File: BG037069.D
Acq: 29 Sep 2018 3:30

Instrument :
BNA_G
ClientSampleId :
PB113333TB

Tgt 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#

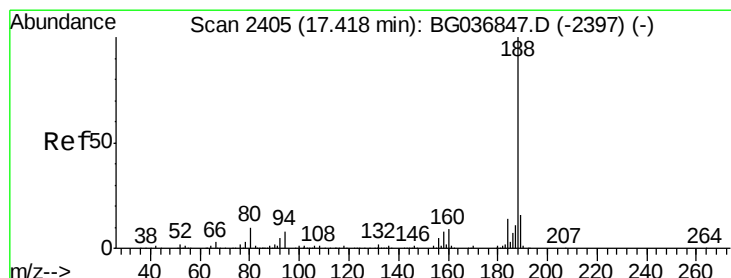
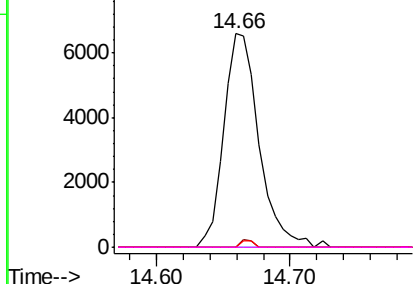
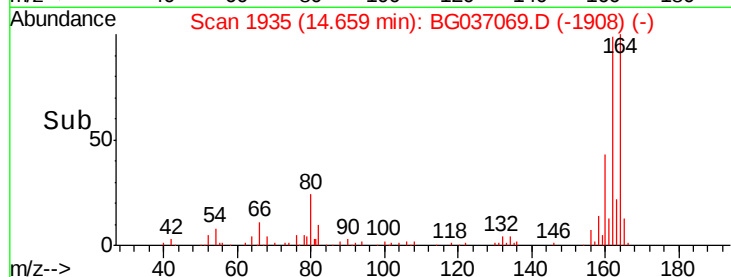


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

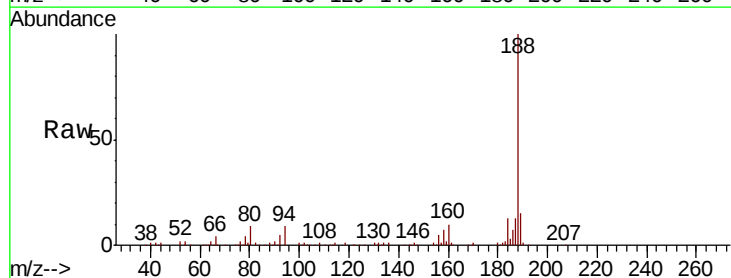
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BG037069.D
Acq: 29 Sep 2018 3:30

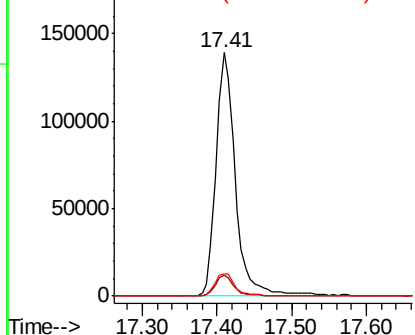
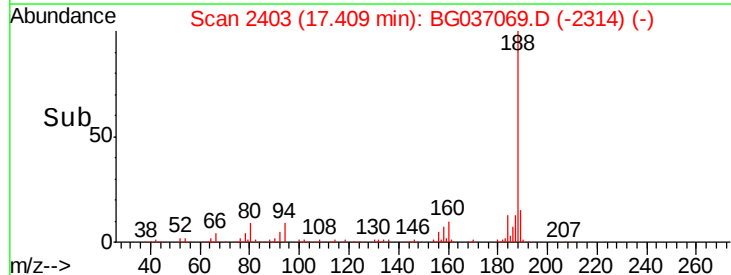
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	9.2	8.1	12.1



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

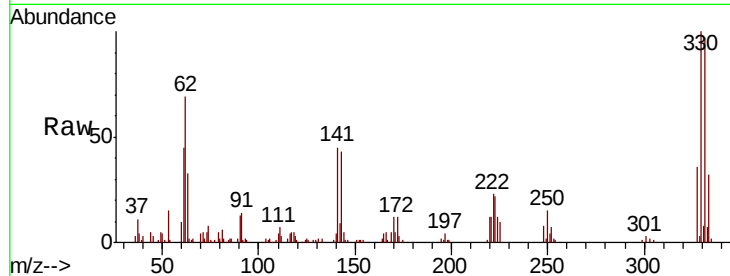




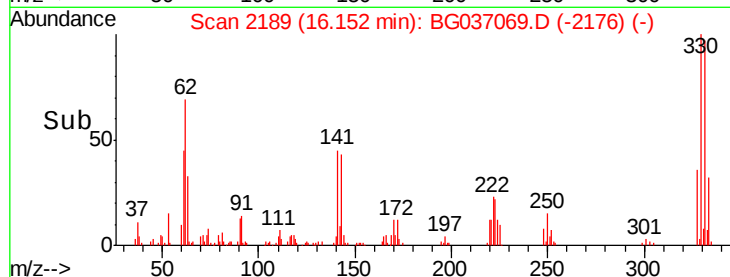
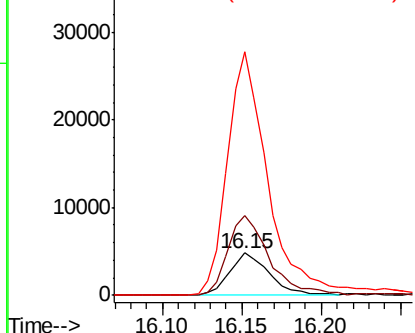
#66
 4-Bromophenyl-phenylether
 Concen: 2.921 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037069.D
 Acq: 29 Sep 2018 3:30

Instrument :
 BNA_G
 ClientSampleId :
 PB113333TB

Tgt Ion:248 Resp: 8338
 Ion Ratio Lower Upper
 248 100
 250 187.1 78.1 117.1#
 141 572.7 53.7 80.5#

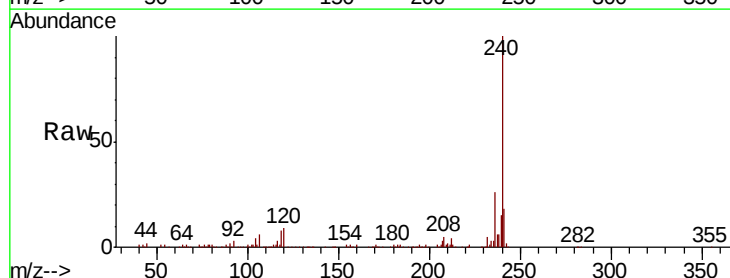


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

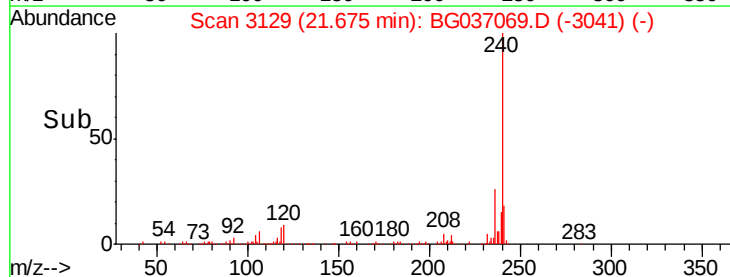
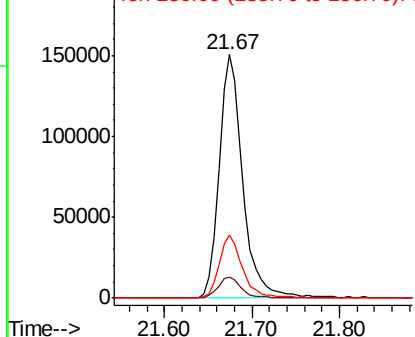


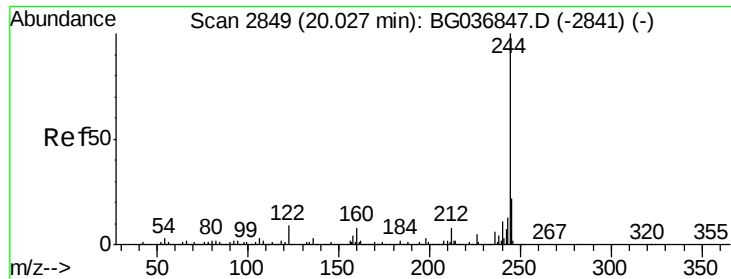
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG037069.D
 Acq: 29 Sep 2018 3:30

Tgt Ion:240 Resp: 280460
 Ion Ratio Lower Upper
 240 100
 120 8.8 6.9 10.3
 236 25.7 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





#78

Terphenyl-d14

Concen: 83.511 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

Instrument :

BNA_G

ClientSampleId :

PB113333TB

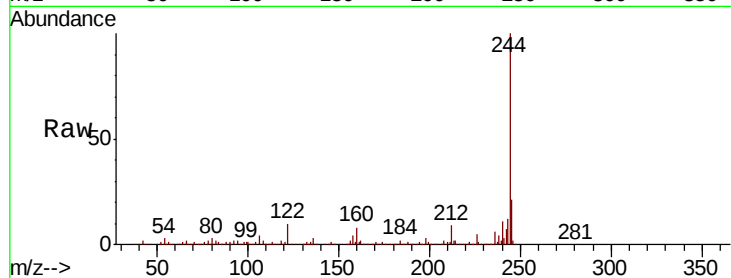
Tgt Ion:244 Resp: 890724

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

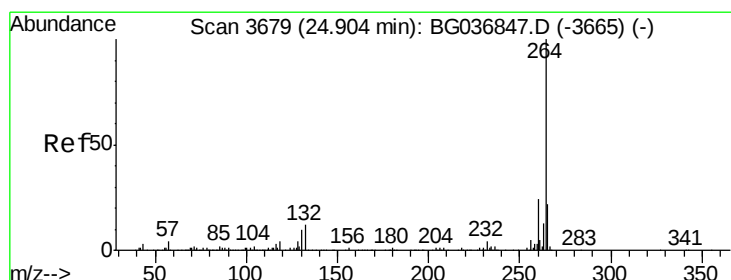
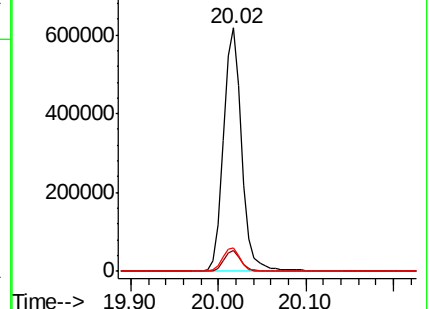
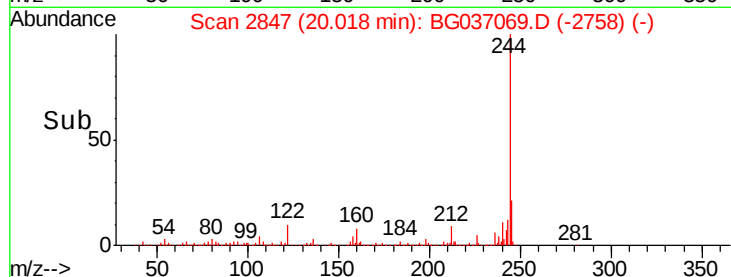
122 9.5 7.1 10.7



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# 3674

Delta R.T. -0.03 min

Lab File: BG037069.D

Acq: 29 Sep 2018 3:30

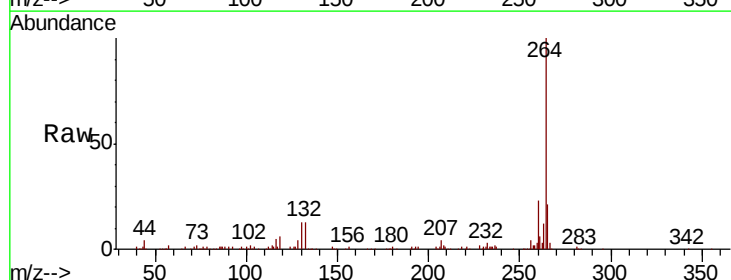
Tgt Ion:264 Resp: 268521

Ion Ratio Lower Upper

264 100

260 23.2 19.6 29.4

265 21.4 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

