

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092818\
 Data File : BG037059.D
 Acq On : 28 Sep 2018 21:01
 Operator : JU/SJ
 Sample : J4776-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-092718-A

Quant Time: Sep 29 06:13:06 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

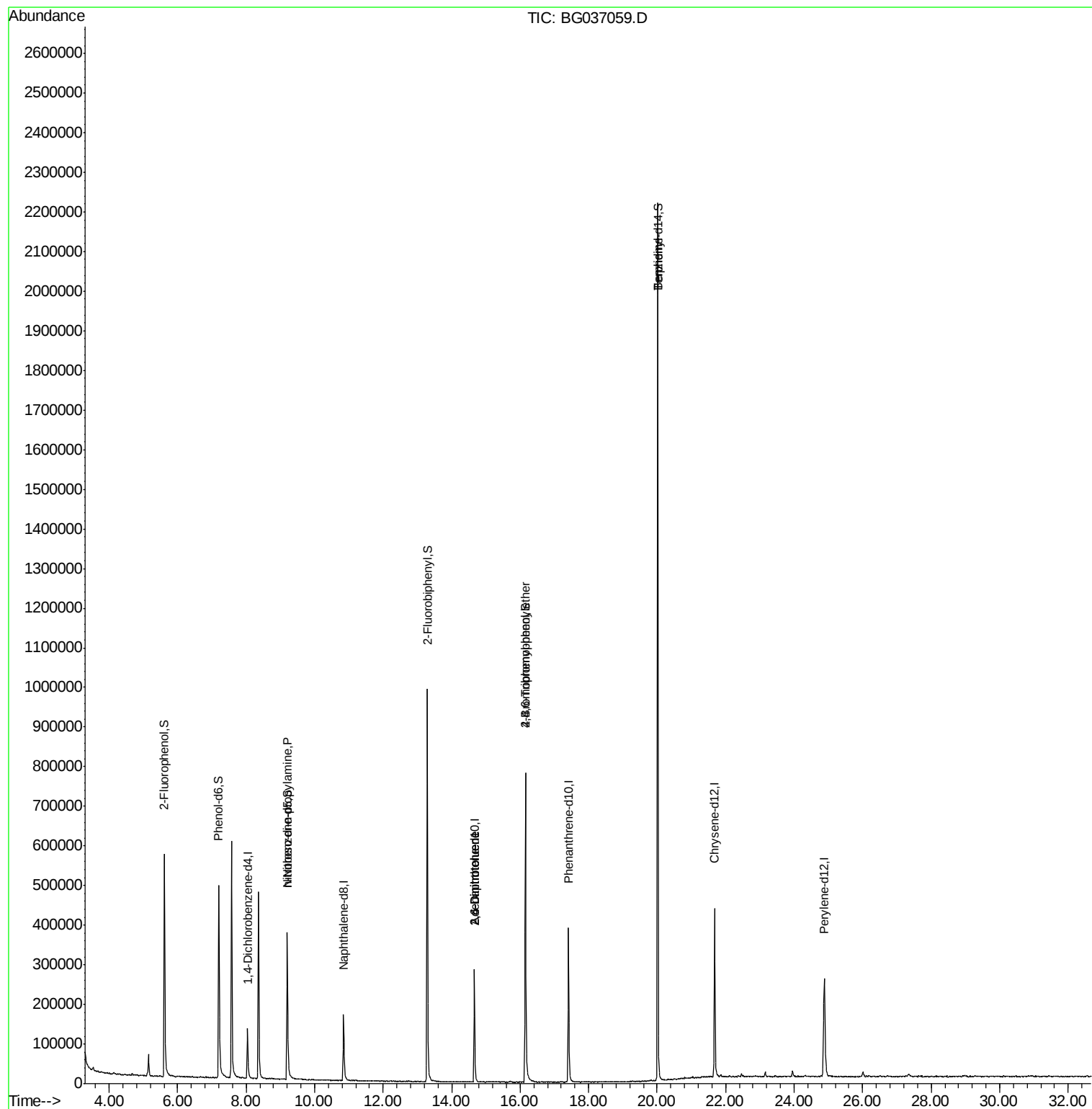
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	41076	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	170885	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	106533	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	286095	20.00	ng	0.00
75) Chrysene-d12	21.67	240	304899	20.00	ng	-0.02
86) Perylene-d12	24.88	264	294203	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	269991	126.06	ng	0.00
7) Phenol-d6	7.20	99	335106	101.12	ng	0.00
23) Nitrobenzene-d5	9.20	82	277383	86.92	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	158980	124.73	ng	-0.02
44) 2-Fluorobiphenyl	13.28	172	580646	81.18	ng	-0.02
78) Terphenyl-d14	20.02	244	1101120	94.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	37137	13.471	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	14275	7.630	ng	# 21
56) 2,4-Dinitrotoluene	14.67	165	14275	5.468	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	11670	3.586	ng	# 1
76) Benzidine	20.02	184	19487	2.114	ng	# 93

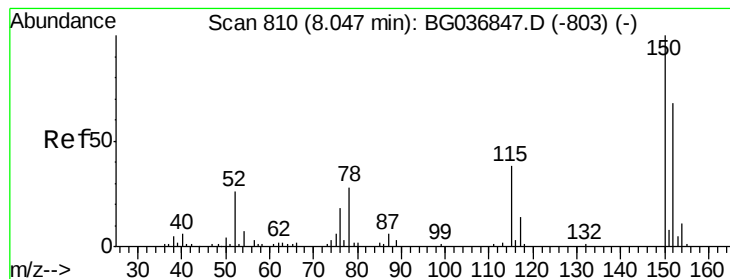
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 10:41:23 2018
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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: BG037059.D

Acq: 28 Sep 2018 21:01

Instrument :

BNA_G

ClientSampleId :

EO-01-092718-A

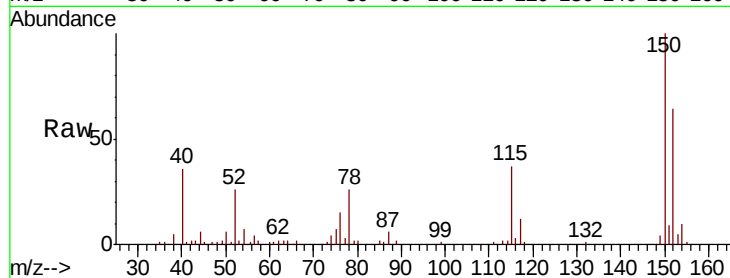
Tgt Ion:152 Resp: 41076

Ion Ratio Lower Upper

152 100

150 155.7 119.5 179.3

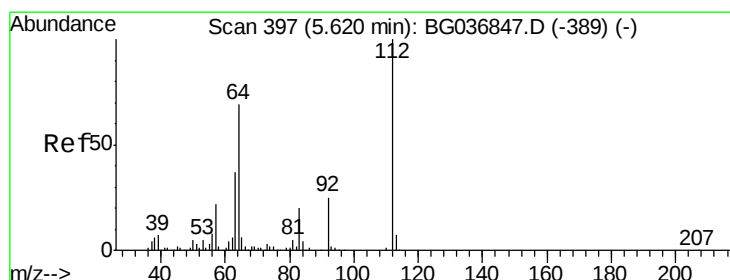
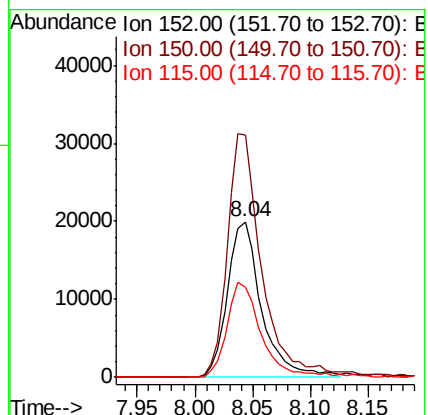
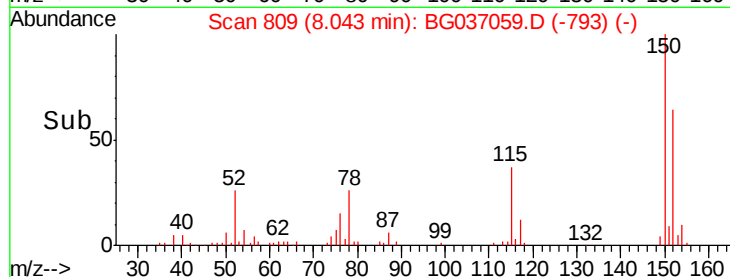
115 57.9 44.5 66.7



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: 126.055 ng

RT: 5.61 min Scan# 395

Delta R.T. -0.01 min

Lab File: BG037059.D

Acq: 28 Sep 2018 21:01

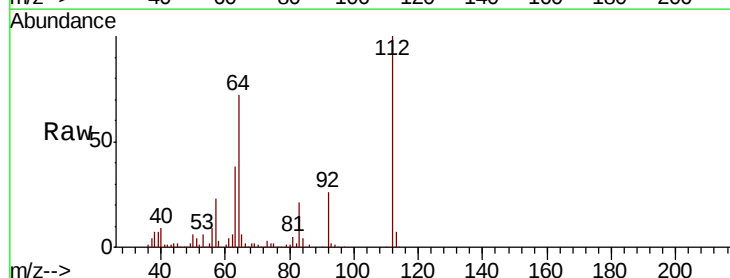
Tgt Ion:112 Resp: 269991

Ion Ratio Lower Upper

112 100

64 72.0 57.2 85.8

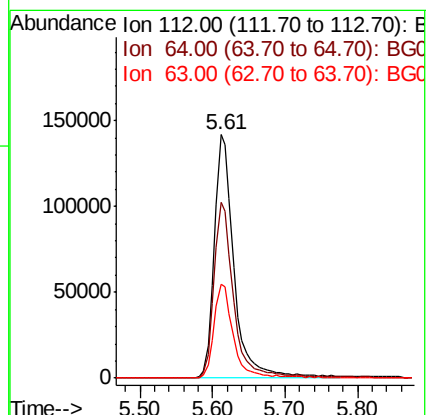
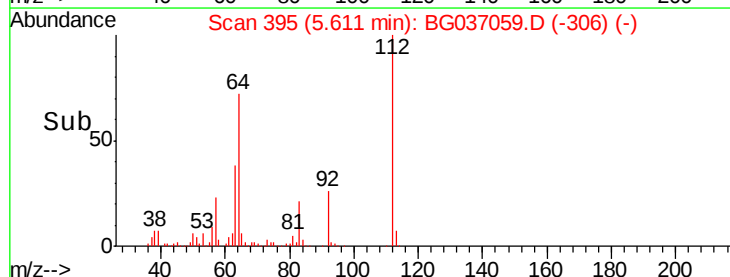
63 38.3 30.8 46.2

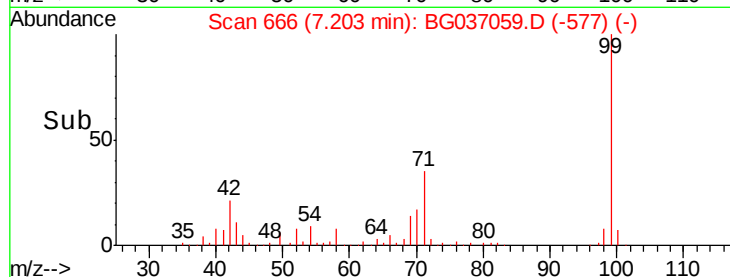
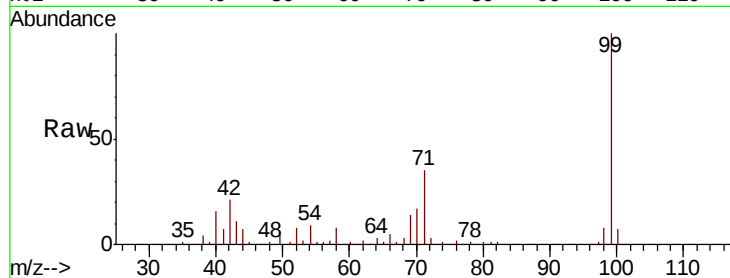
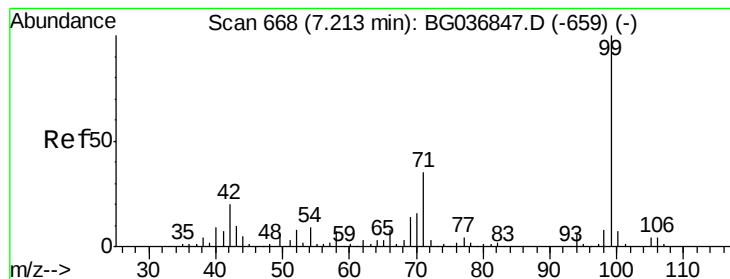


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 101.124 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037059.D

Acq: 28 Sep 2018 21:01

Instrument :

BNA_G

ClientSampleId :

EO-01-092718-A

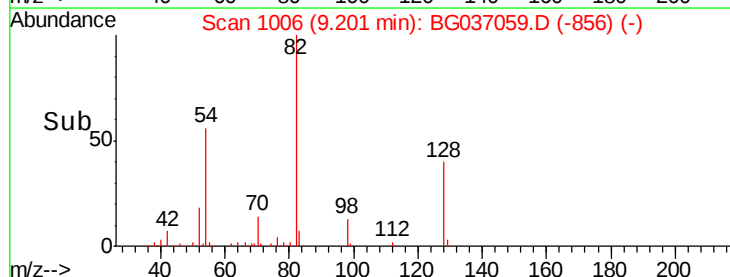
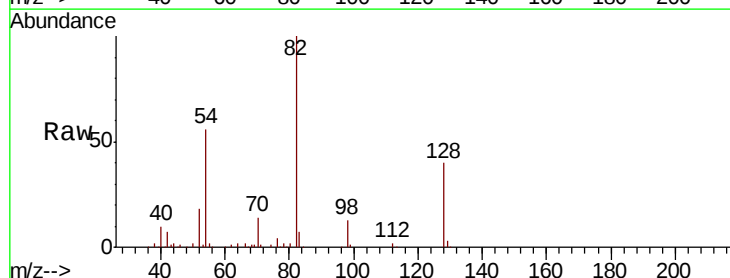
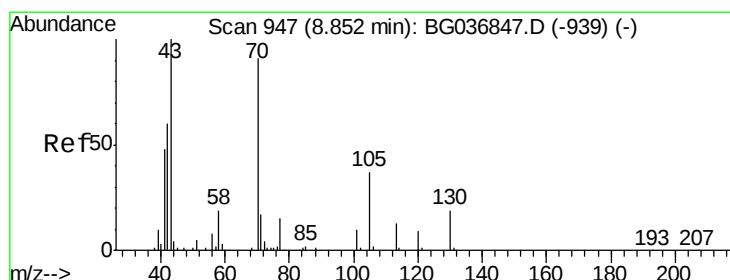
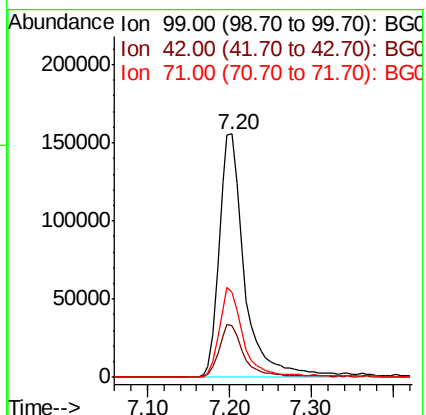
Tgt Ion: 99 Resp: 335106

Ion Ratio Lower Upper

99 100

42 21.0 16.5 24.7

71 35.1 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.471 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.35 min

Lab File: BG037059.D

Acq: 28 Sep 2018 21:01

Tgt Ion: 70 Resp: 37137

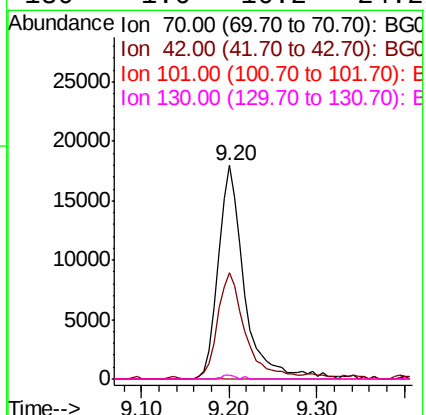
Ion Ratio Lower Upper

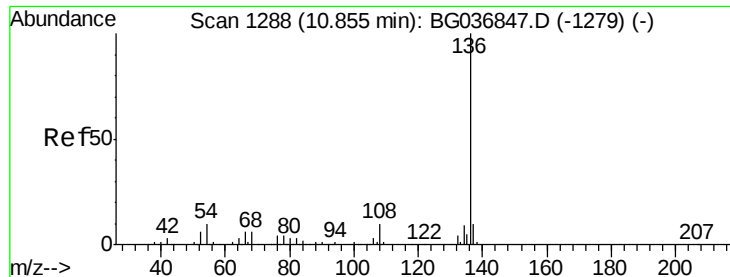
70 100

42 50.0 56.2 84.4#

101 0.0 7.8 11.6#

130 1.6 16.2 24.2#

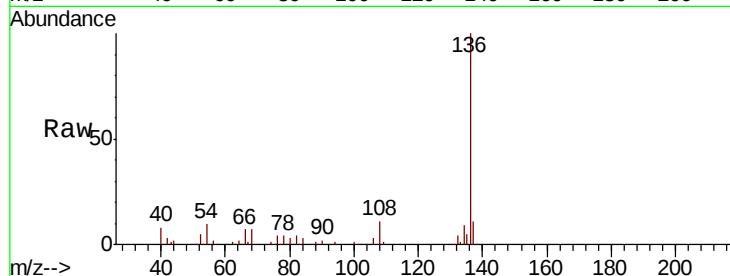




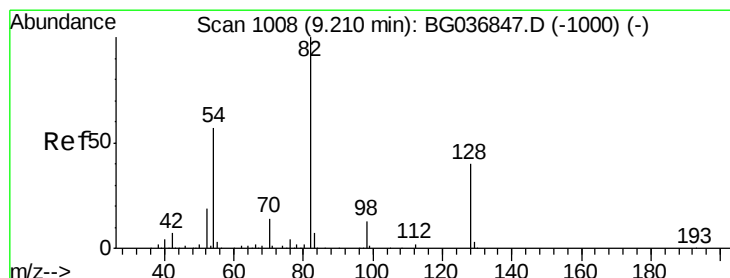
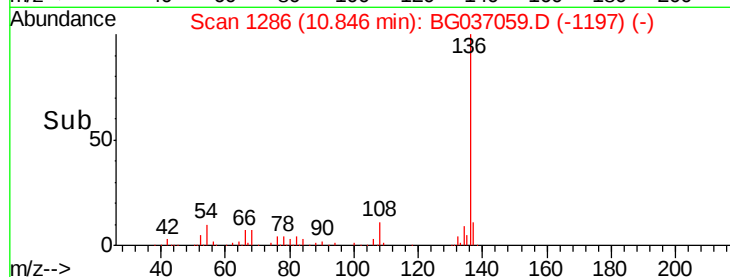
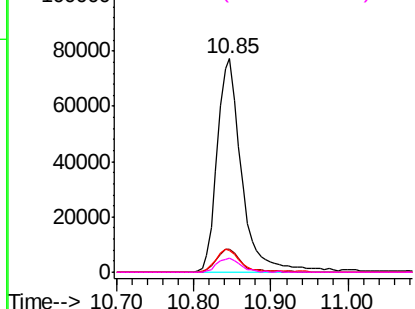
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BG037059.D
Acq: 28 Sep 2018 21:01

Instrument :
BNA_G
ClientSampleId :
EO-01-092718-A

Tgt Ion:	136	Resp:	170885
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.4	9.2	13.8
68	6.8	5.8	8.6

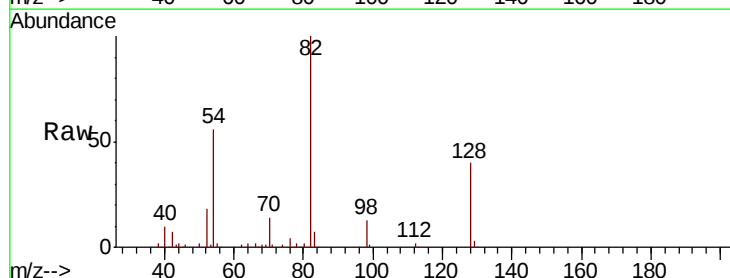


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

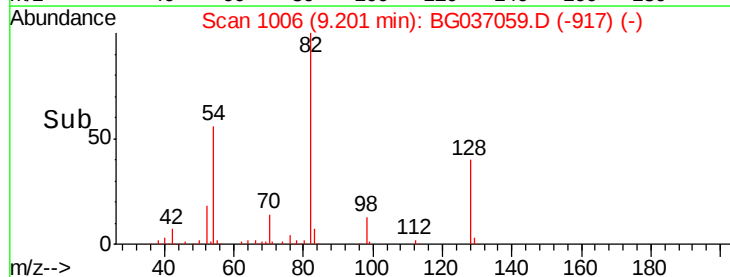
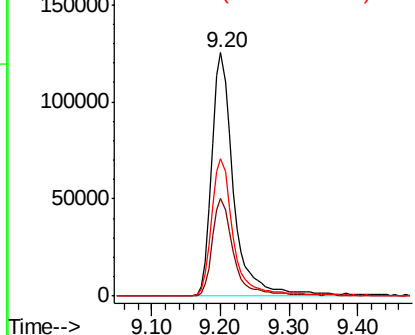


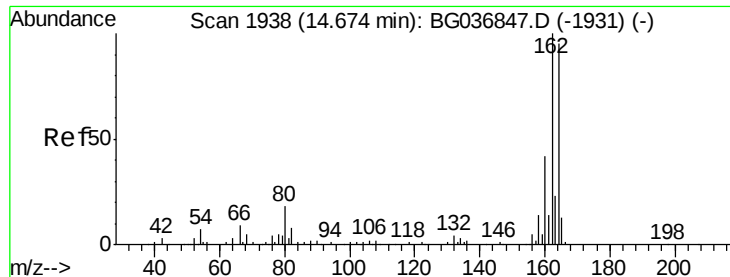
#23
Nitrobenzene-d5
Concen: 86.925 ng
RT: 9.20 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BG037059.D
Acq: 28 Sep 2018 21:01

Tgt Ion:	82	Resp:	277383
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	56.3	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: BG037059.D

Acq: 28 Sep 2018 21:01

Instrument :

BNA_G

ClientSampleId :

EO-01-092718-A

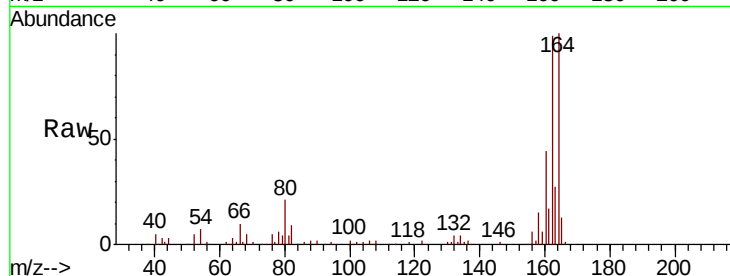
Tgt Ion:164 Resp: 106533

Ion Ratio Lower Upper

164 100

162 98.8 80.7 121.1

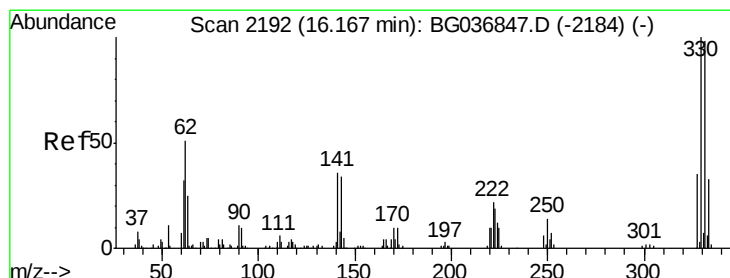
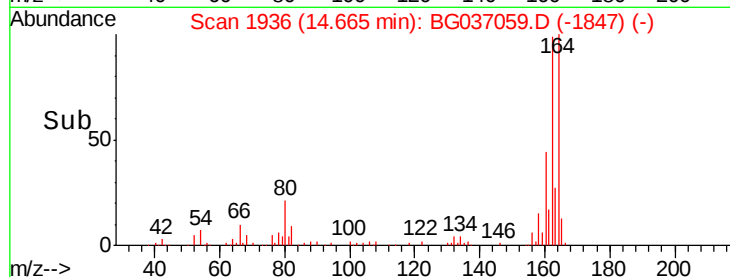
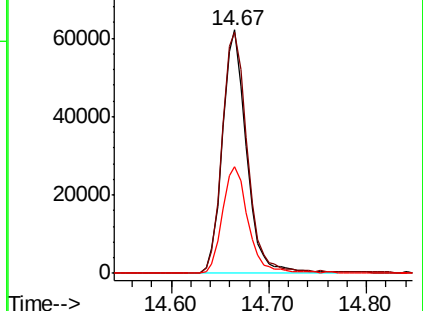
160 43.6 35.3 52.9



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: 124.729 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.02 min

Lab File: BG037059.D

Acq: 28 Sep 2018 21:01

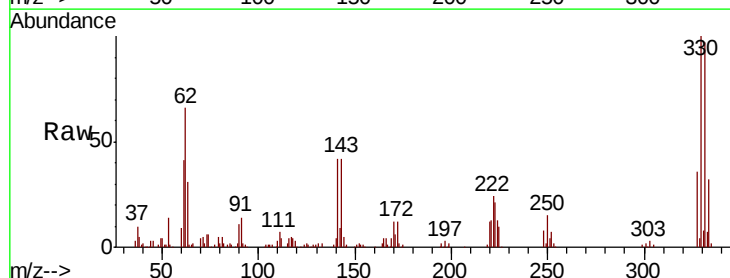
Tgt Ion:330 Resp: 158980

Ion Ratio Lower Upper

330 100

332 98.0 75.4 113.2

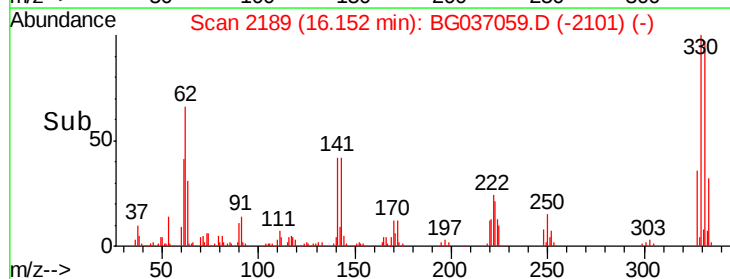
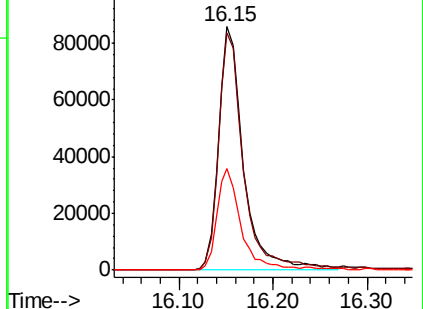
141 39.9 30.7 46.1

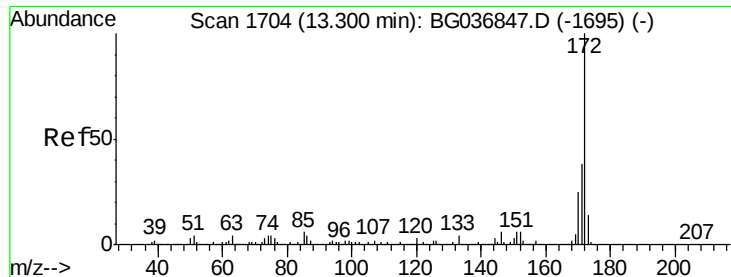


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

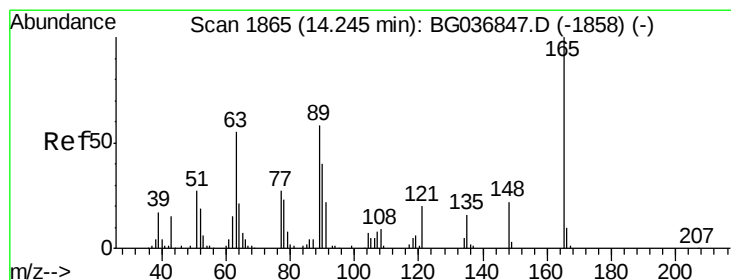
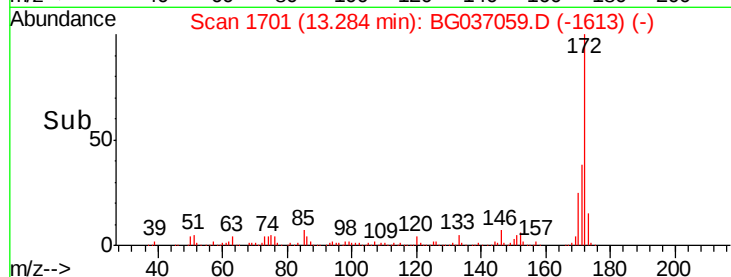
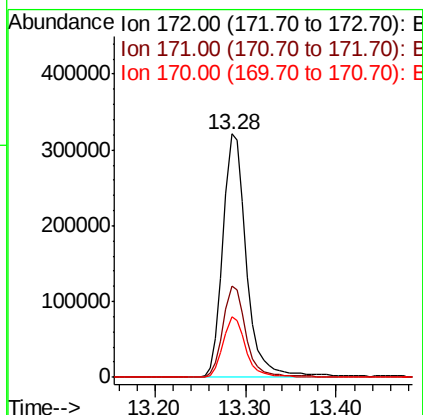
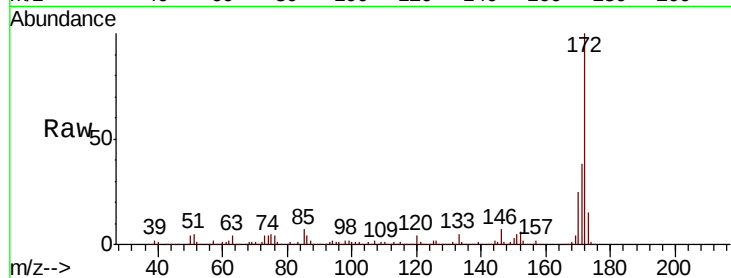




#44
 2-Fluorobiphenyl
 Concen: 81.177 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG037059.D
 Acq: 28 Sep 2018 21:01

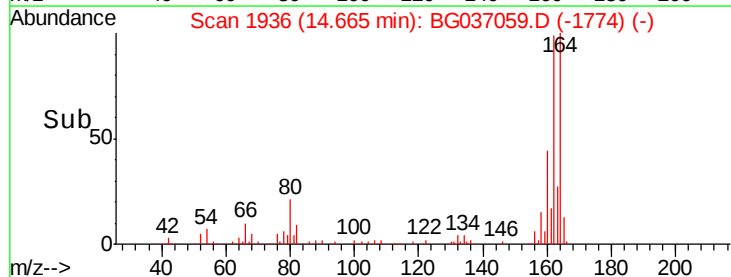
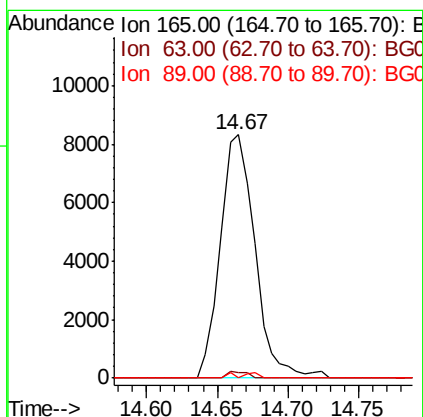
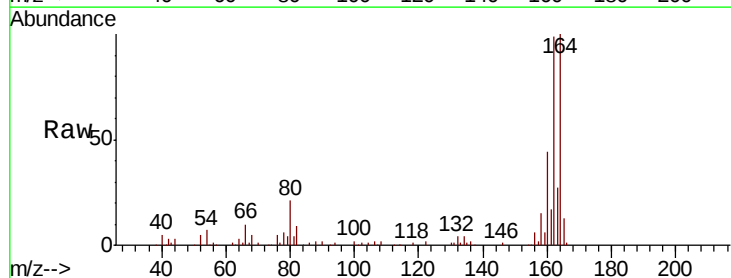
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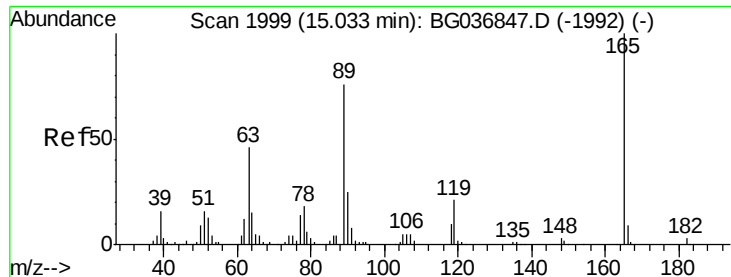
Tgt Ion:172 Resp: 580646
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.3 46.9
 170 25.0 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.630 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. 0.42 min
 Lab File: BG037059.D
 Acq: 28 Sep 2018 21:01

Tgt Ion:165 Resp: 14275
 Ion Ratio Lower Upper
 165 100
 63 2.1 50.1 75.1#
 89 0.0 47.8 71.6#

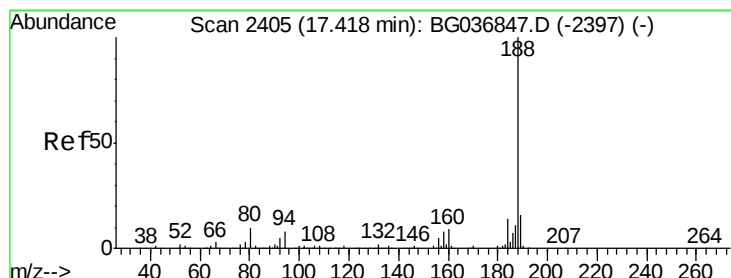
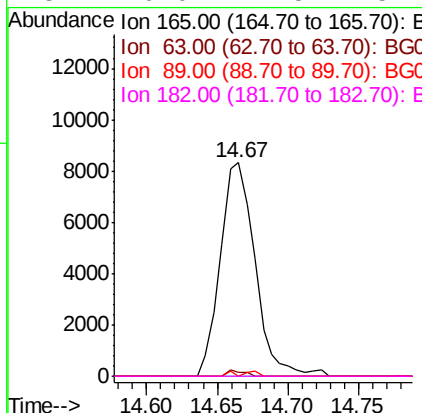
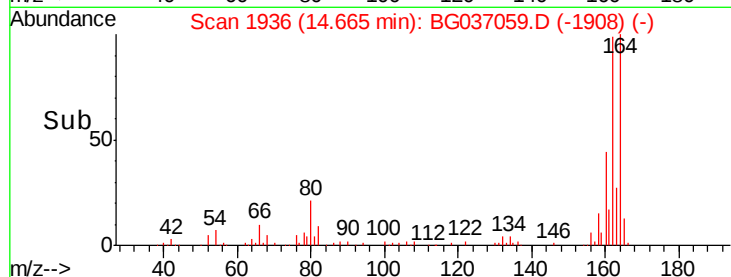
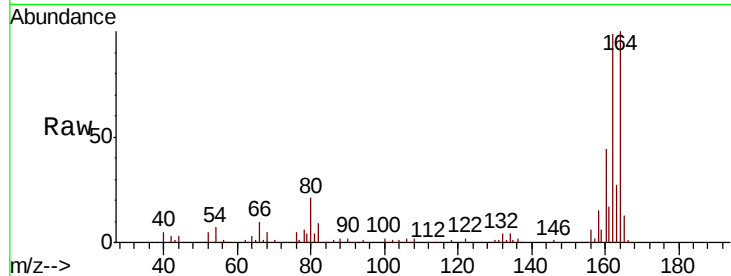




#56
 2,4-Dinitrotoluene
 Concen: 5.468 ng
 RT: 14.67 min Scan# 1936
 Delta R.T. -0.37 min
 Lab File: BG037059.D
 Acq: 28 Sep 2018 21:01

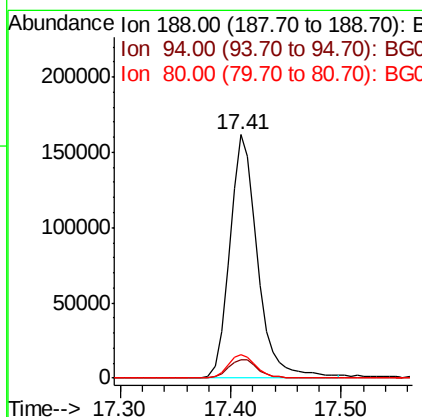
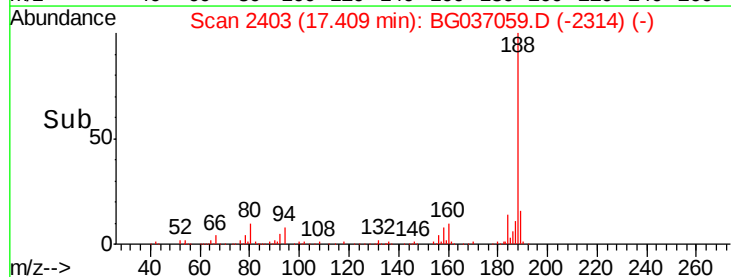
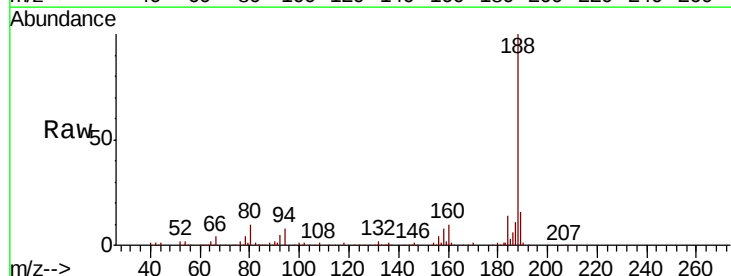
Instrument :
 BNA_G
 ClientSampleId :
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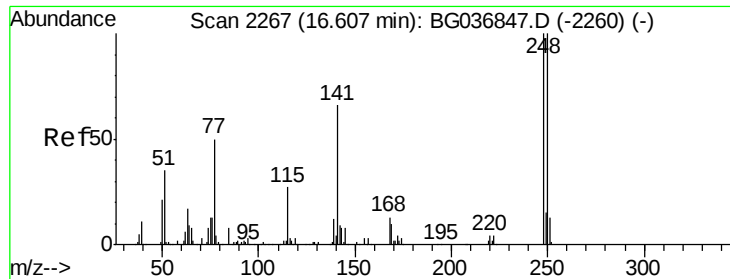
Tgt Ion:	165	Resp:	14275
Ion	Ratio	Lower	Upper
165	100		
63	2.1	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2403
 Delta R.T. -0.01 min
 Lab File: BG037059.D
 Acq: 28 Sep 2018 21:01

Tgt Ion:	188	Resp:	286095
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	9.7	8.1	12.1

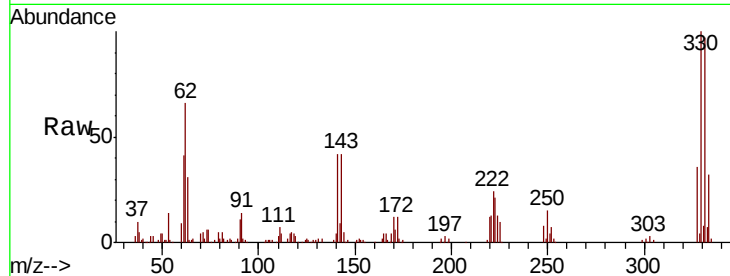




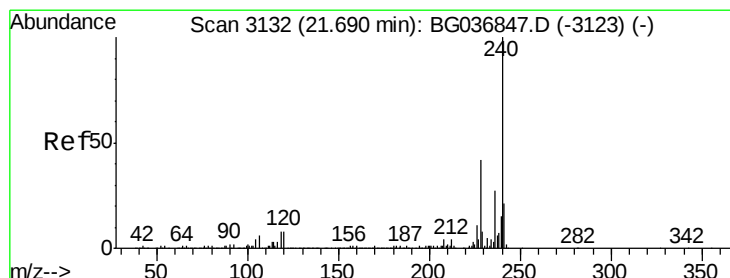
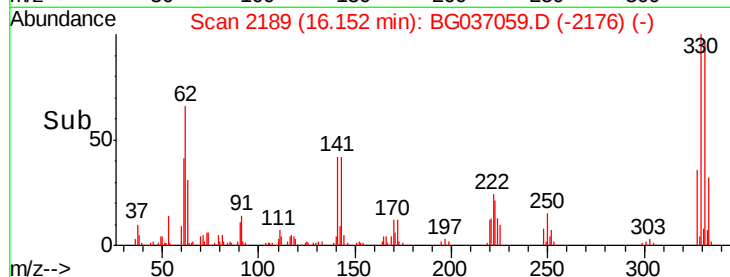
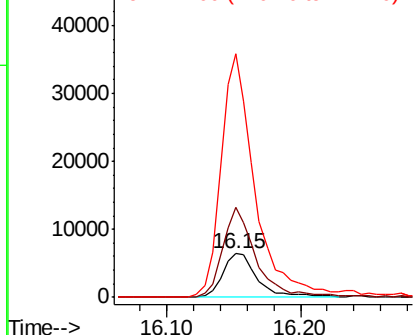
#66
 4-Bromophenyl-phenylether
 Concen: 3.586 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.46 min
 Lab File: BG037059.D
 Acq: 28 Sep 2018 21:01

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-092718-A

Tgt Ion:248 Resp: 11670
 Ion Ratio Lower Upper
 248 100
 250 206.3 78.1 117.1#
 141 555.9 53.7 80.5#

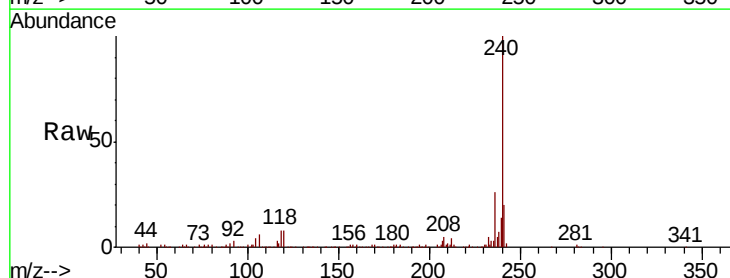


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

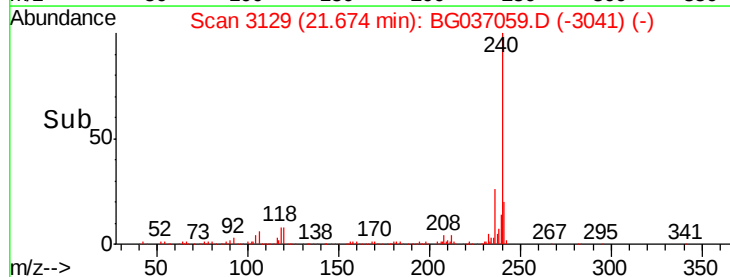
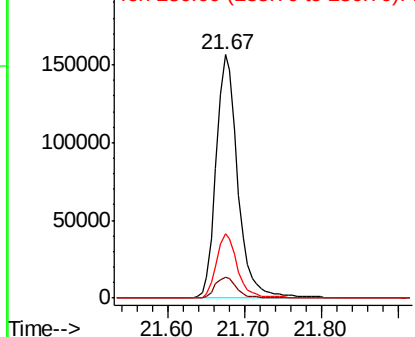


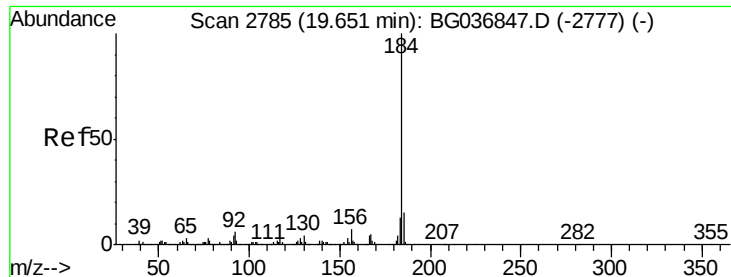
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3129
 Delta R.T. -0.02 min
 Lab File: BG037059.D
 Acq: 28 Sep 2018 21:01

Tgt Ion:240 Resp: 304899
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.9 10.3
 236 26.3 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: 2.114 ng

RT: 20.02 min Scan# 2847

Delta R.T. 0.37 min

Lab File: BG037059.D

Acq: 28 Sep 2018 21:01

Instrument :

BNA_G

ClientSampleId :

EO-01-092718-A

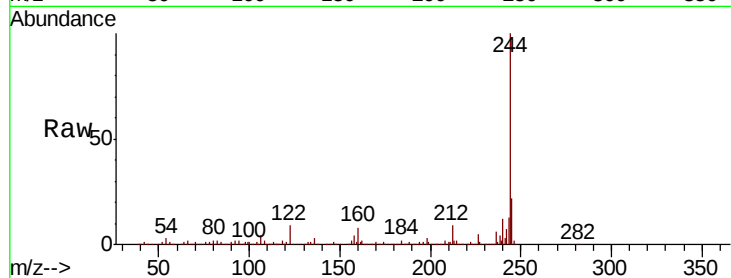
Tgt Ion:184 Resp: 19487

Ion Ratio Lower Upper

184 100

185 16.0 12.6 18.8

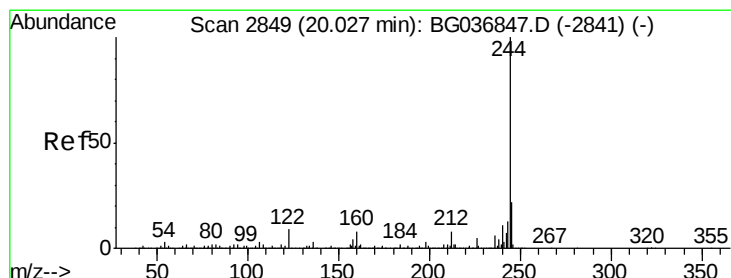
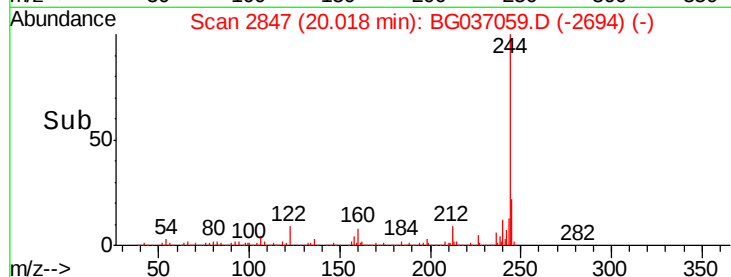
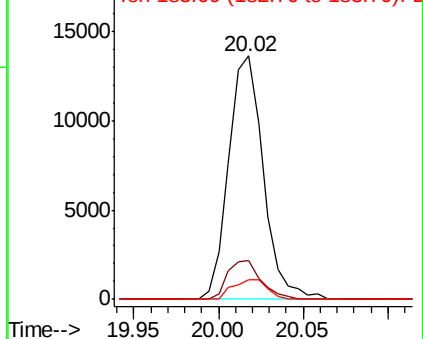
183 8.0 10.9 16.3#



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: 94.962 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037059.D

Acq: 28 Sep 2018 21:01

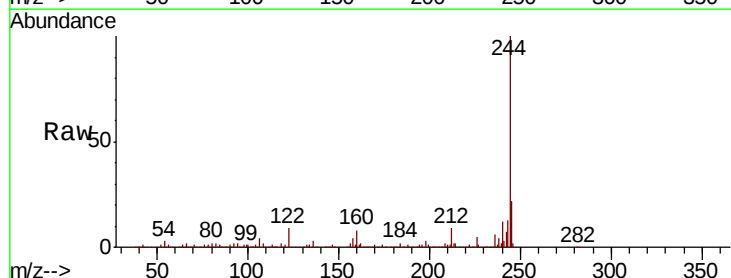
Tgt Ion:244 Resp: 1101120

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

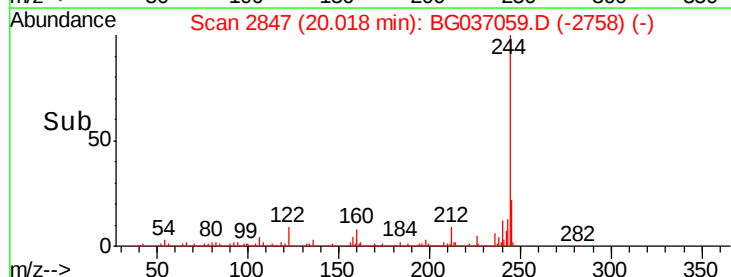
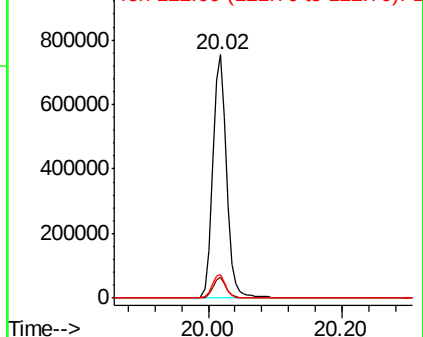
122 9.4 7.1 10.7

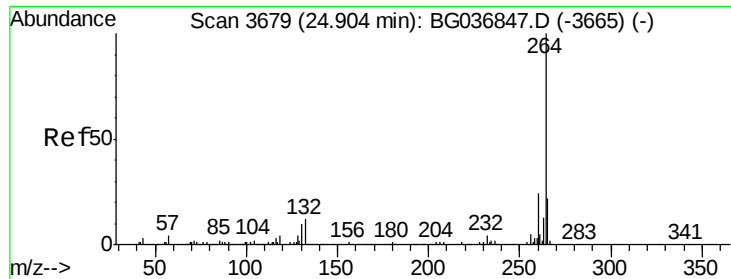


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.88 min Scan# 3675
Delta R.T. -0.02 min
Lab File: BG037059.D
Acq: 28 Sep 2018 21:01

Instrument :
BNA_G
ClientSampleId :
EO-01-092718-A

Tgt Ion:	264	Resp:	294203
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.6	29.4
265	21.5	17.4	26.0

