

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG092118\
 Data File : BG036868.D
 Acq On : 21 Sep 2018 21:20
 Operator : JU/SJ
 Sample : J4777-22
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-03-092018-A

Quant Time: Sep 22 04:29:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 20:07:11 2018
 Response via : Initial Calibration

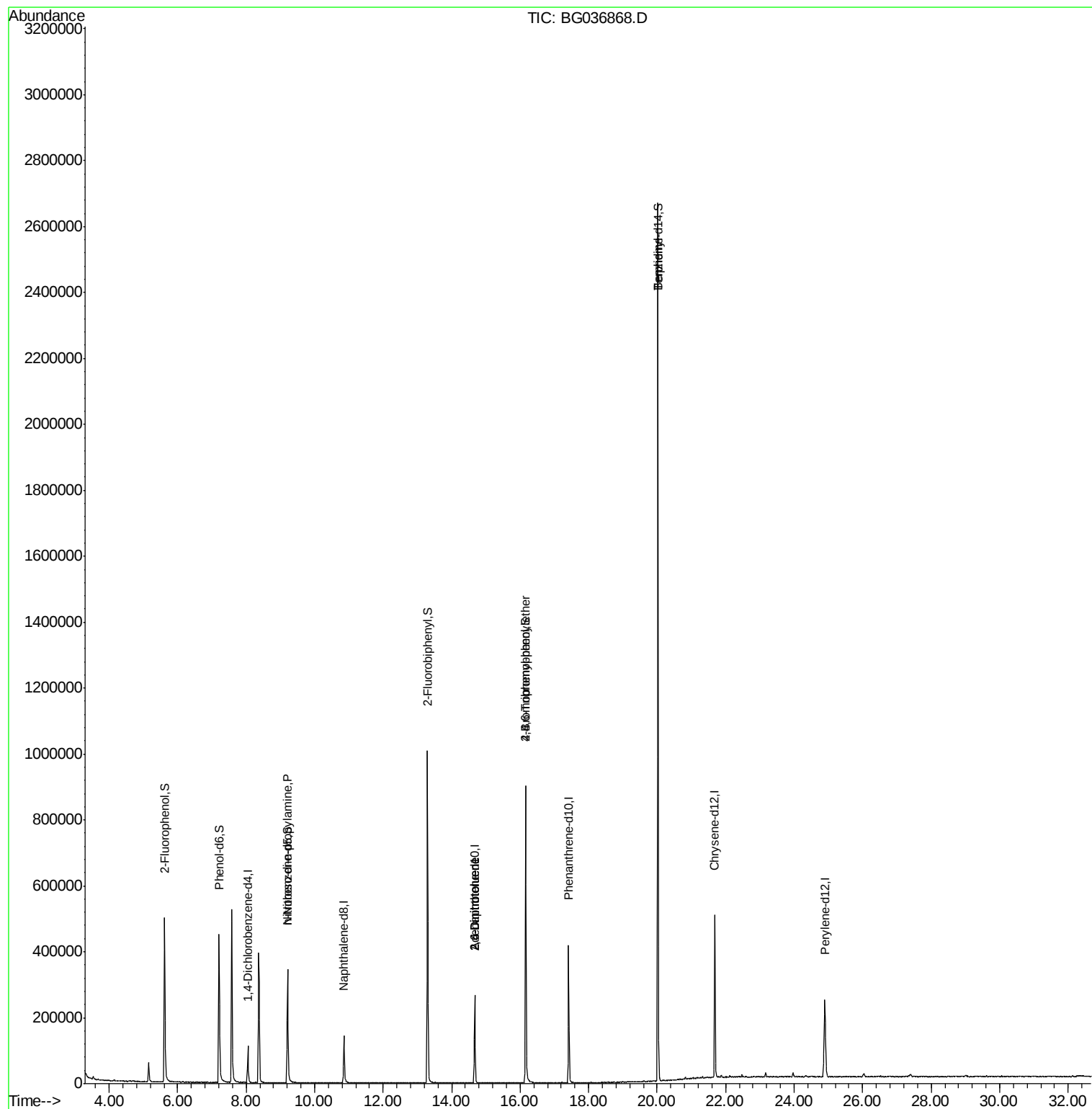
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	34735	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	145422	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	101422	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	292885	20.00	ng	0.00
75) Chrysene-d12	21.69	240	320953	20.00	ng	0.00
86) Perylene-d12	24.90	264	260601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	230451	127.24	ng	0.00
7) Phenol-d6	7.21	99	302958	108.11	ng	0.00
23) Nitrobenzene-d5	9.21	82	242842	89.43	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	185125	152.56	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	567549	83.35	ng	0.00
78) Terphenyl-d14	20.02	244	1248173	102.26	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	32268	13.842	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	12584	7.065	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	12584	5.063	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	13066	3.922	ng	# 1
76) Benzidine	20.02	184	21039	2.168	ng	# 93

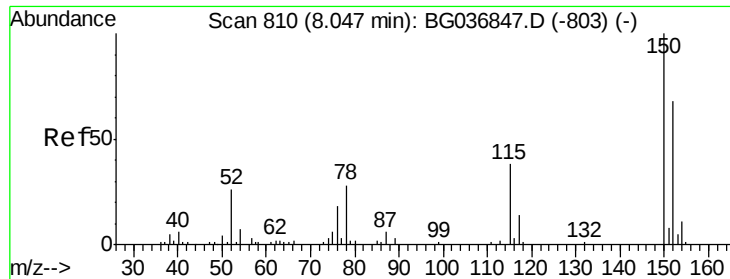
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 810

Delta R.T. 0.00 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

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BNA_G

ClientSampleId :

PL-03-092018-A

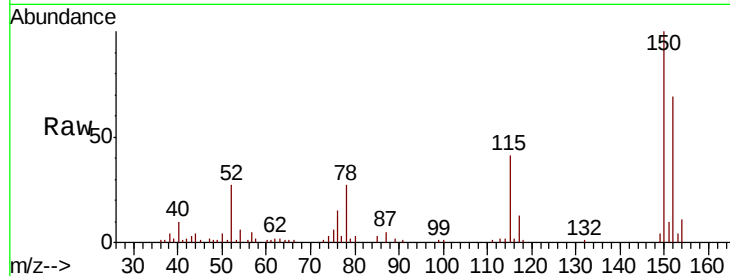
Tgt Ion:152 Resp: 34735

Ion Ratio Lower Upper

152 100

150 145.1 119.5 179.3

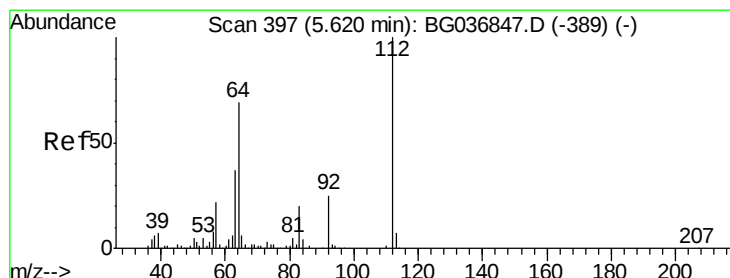
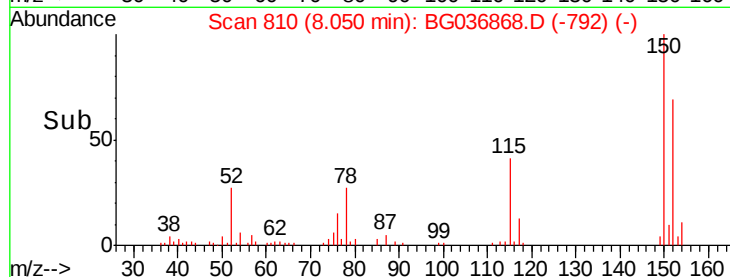
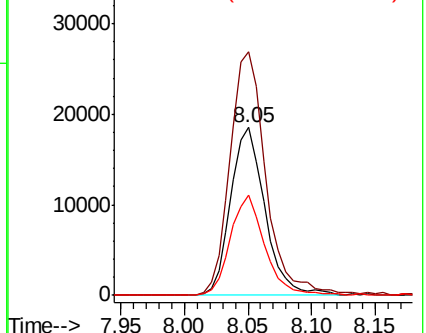
115 60.0 44.5 66.7



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: 127.236 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

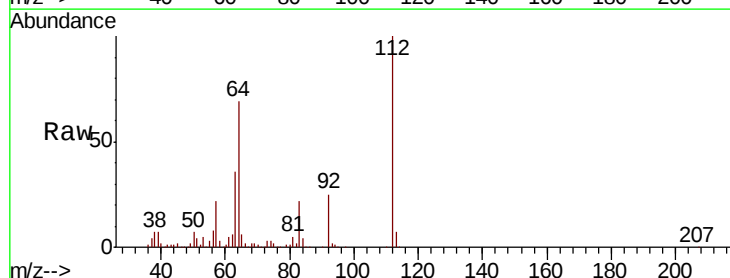
Tgt Ion:112 Resp: 230451

Ion Ratio Lower Upper

112 100

64 69.4 57.2 85.8

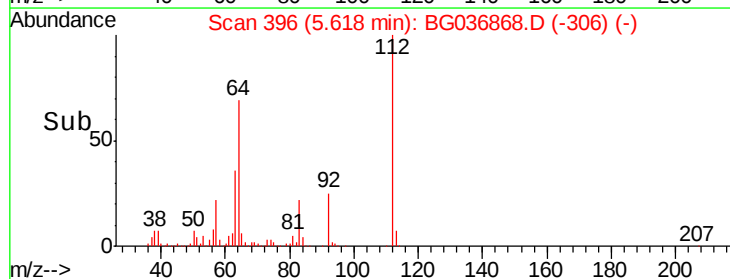
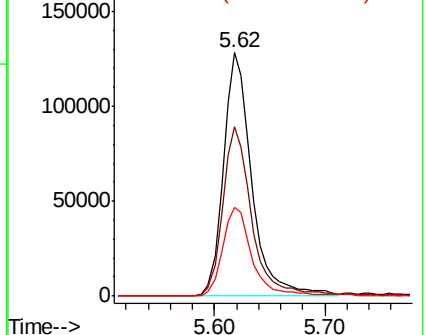
63 36.3 30.8 46.2

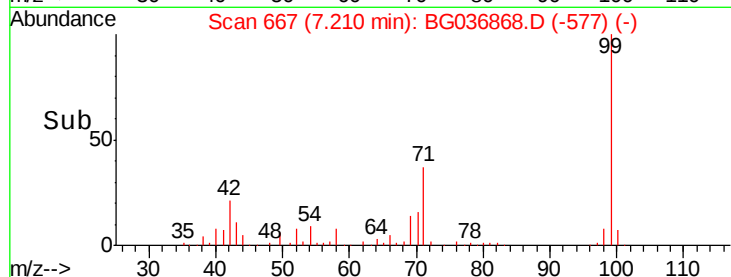
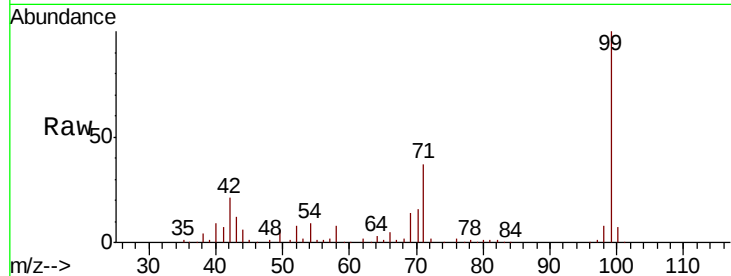
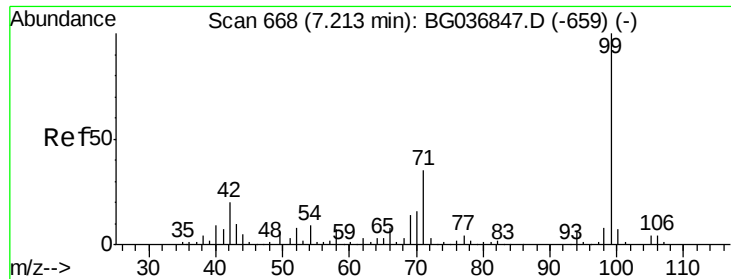


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 108.113 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.00 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

Instrument :

BNA_G

ClientSampleId :

PL-03-092018-A

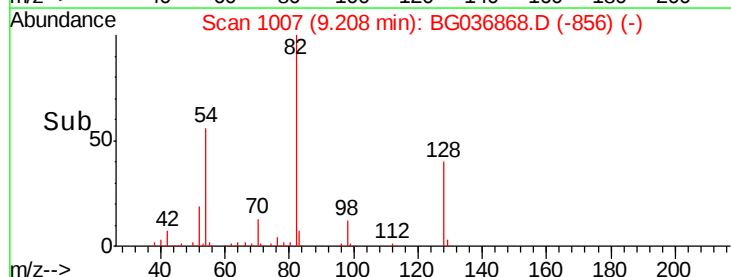
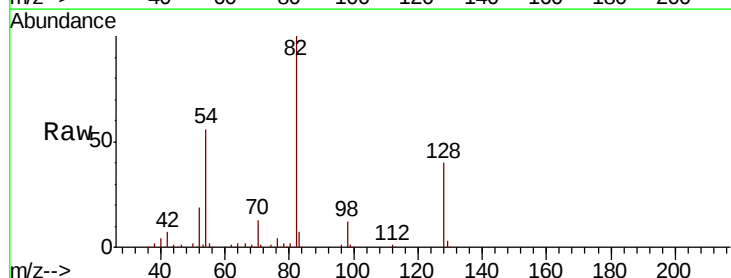
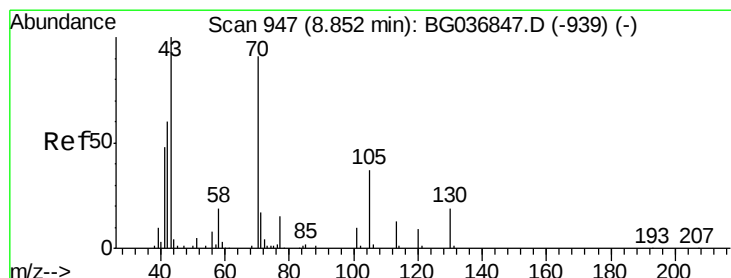
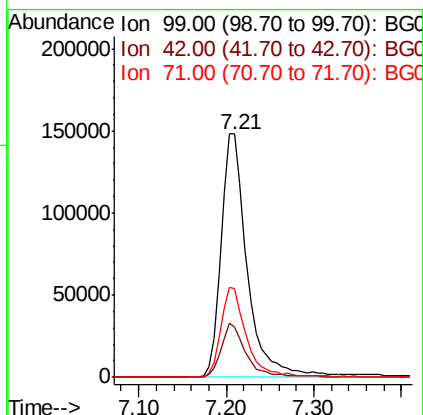
Tgt Ion: 99 Resp: 302958

Ion Ratio Lower Upper

99 100

42 20.9 16.5 24.7

71 36.7 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.842 ng

RT: 9.21 min Scan# 1007

Delta R.T. 0.36 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

Tgt Ion: 70 Resp: 32268

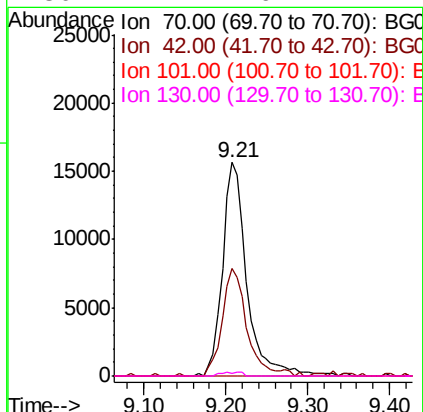
Ion Ratio Lower Upper

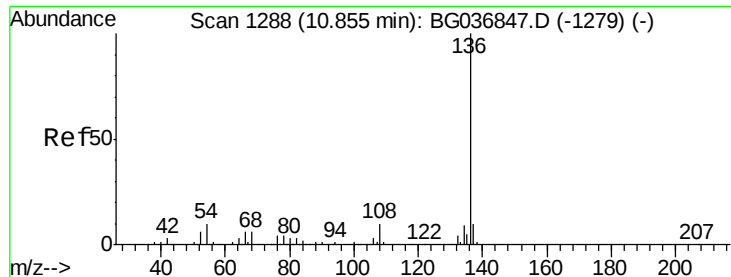
70 100

42 50.6 56.2 84.4#

101 0.0 7.8 11.6#

130 1.2 16.2 24.2#

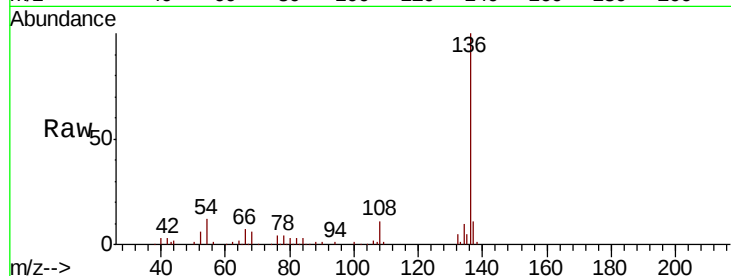




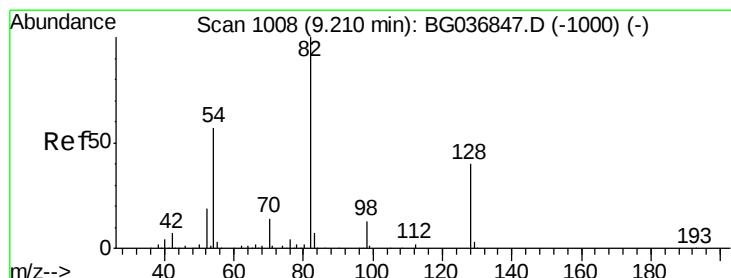
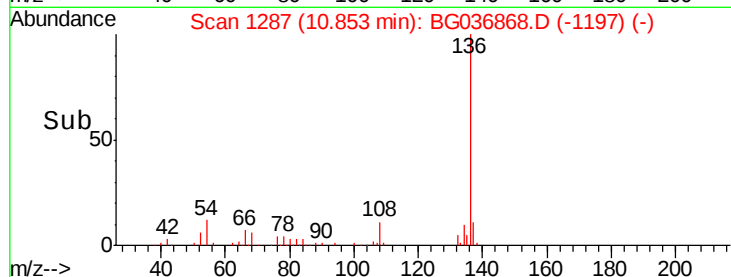
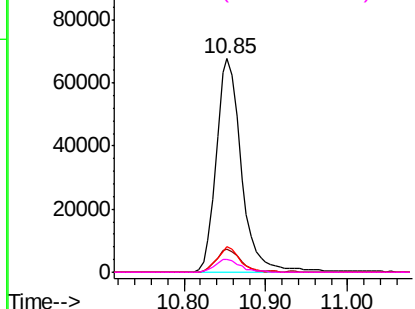
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BG036868.D
Acq: 21 Sep 2018 21:20

Instrument :
BNA_G
ClientSampleId :
PL-03-092018-A

Tgt Ion:	136	Resp:	145422
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	12.3	9.2	13.8
68	6.3	5.8	8.6

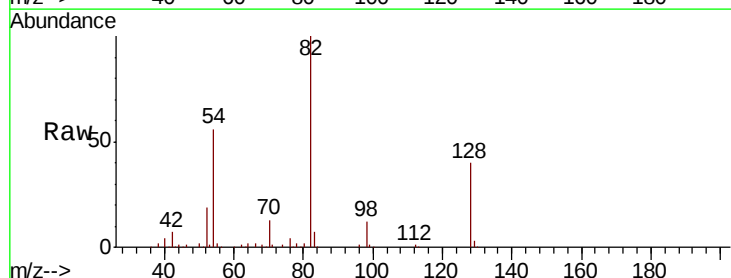


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

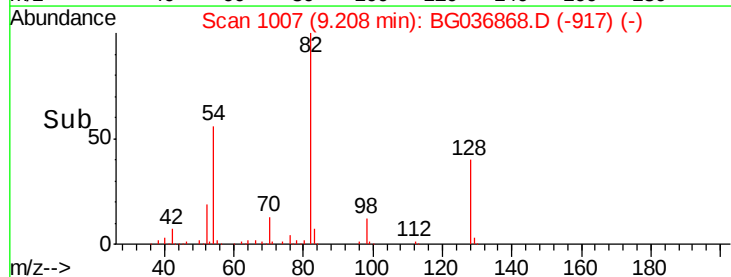
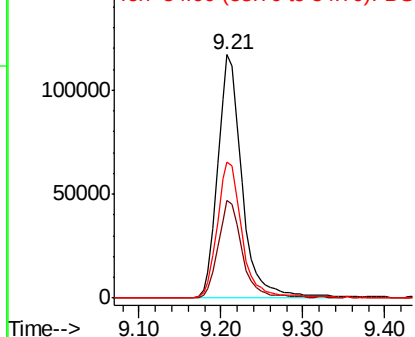


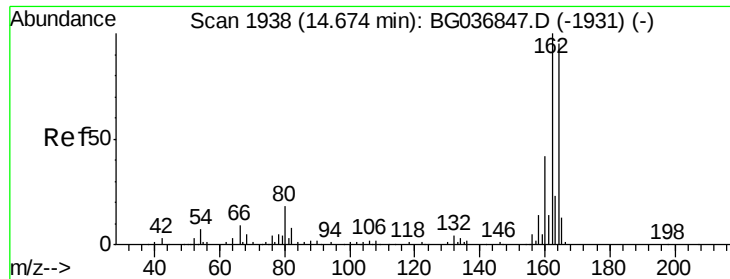
#23
Nitrobenzene-d5
Concen: 89.426 ng
RT: 9.21 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BG036868.D
Acq: 21 Sep 2018 21:20

Tgt Ion:	82	Resp:	242842
Ion	Ratio	Lower	Upper
82	100		
128	40.1	33.3	49.9
54	55.9	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# 1937

Delta R.T. -0.00 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

Instrument :

BNA_G

ClientSampleId :

PL-03-092018-A

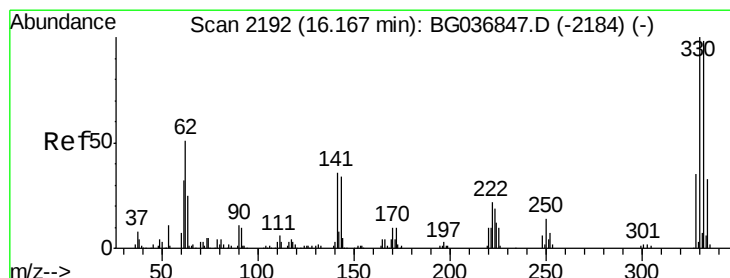
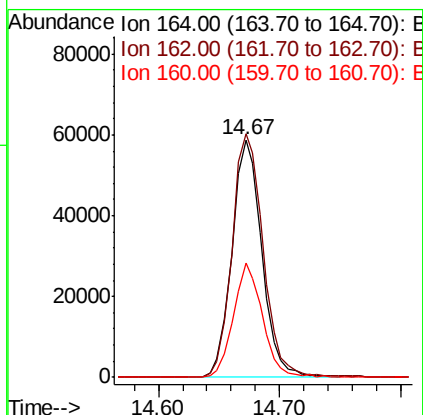
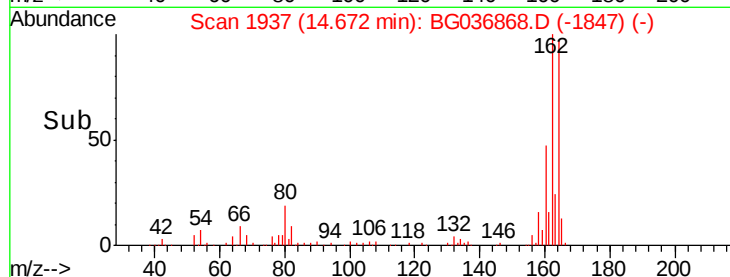
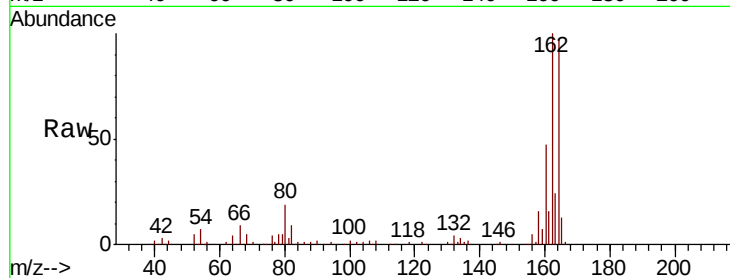
Tgt Ion:164 Resp: 101422

Ion Ratio Lower Upper

164 100

162 102.6 80.7 121.1

160 48.1 35.3 52.9



#41

2,4,6-Tribromophenol

Concen: 152.561 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

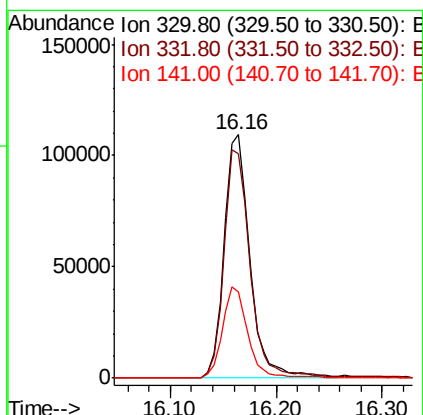
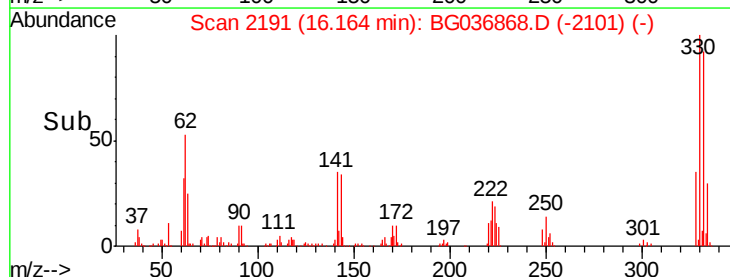
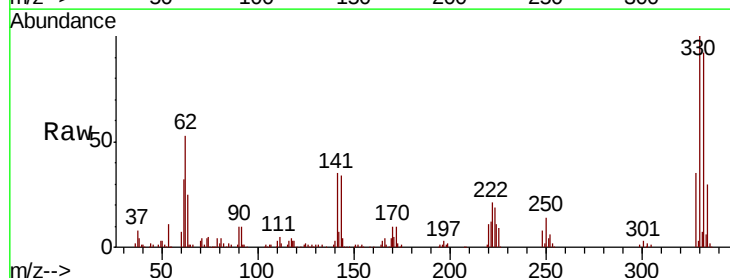
Tgt Ion:330 Resp: 185125

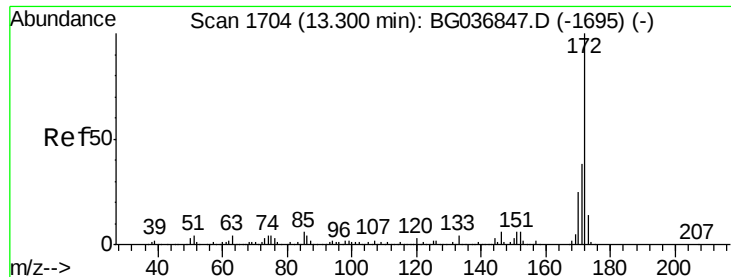
Ion Ratio Lower Upper

330 100

332 94.8 75.4 113.2

141 37.2 30.7 46.1

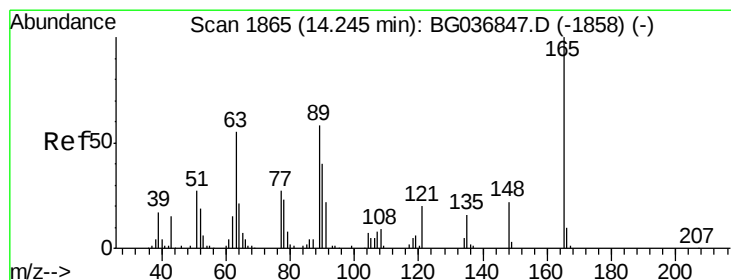
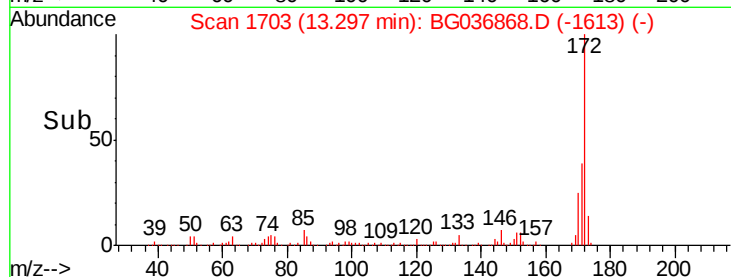
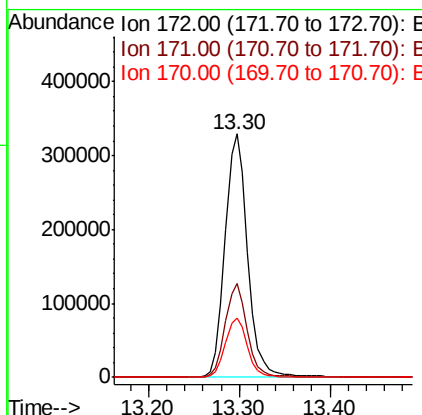
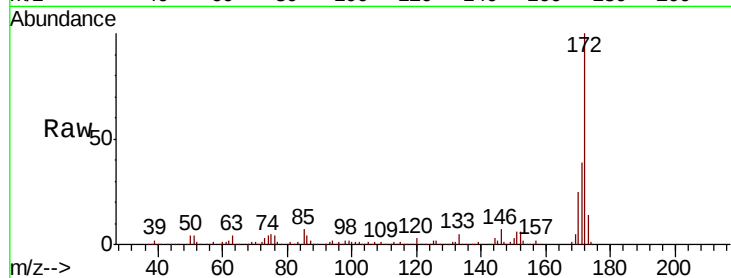




#44
 2-Fluorobiphenyl
 Concen: 83.345 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

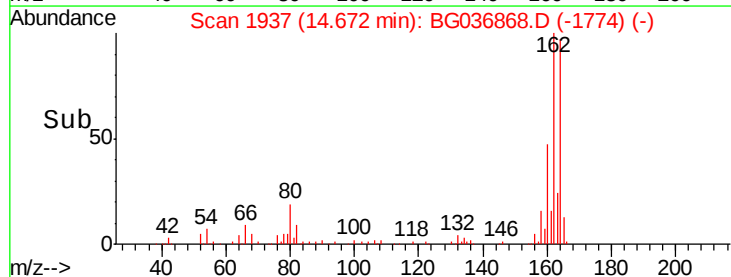
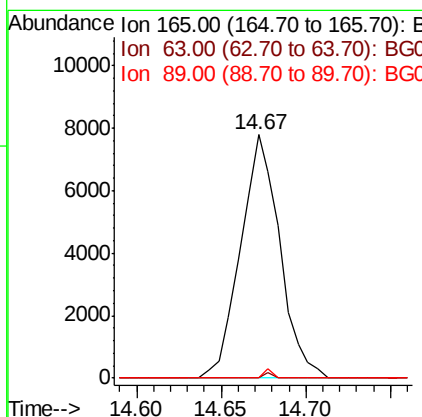
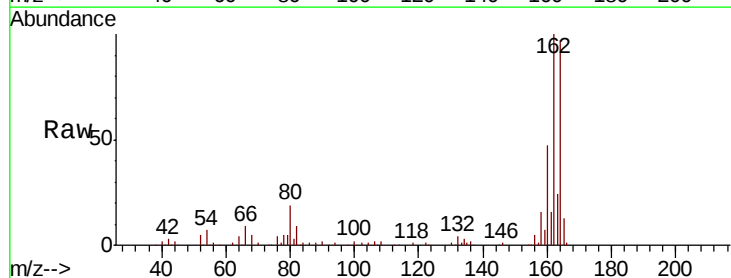
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 PL-03-092018-A

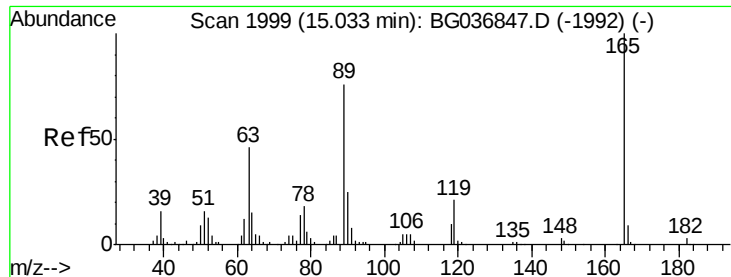
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.3	46.9
170	24.6	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.065 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. 0.43 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

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

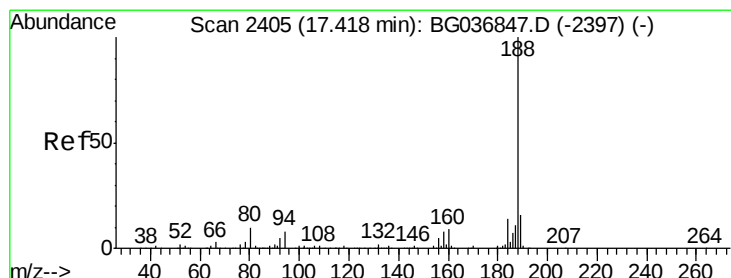
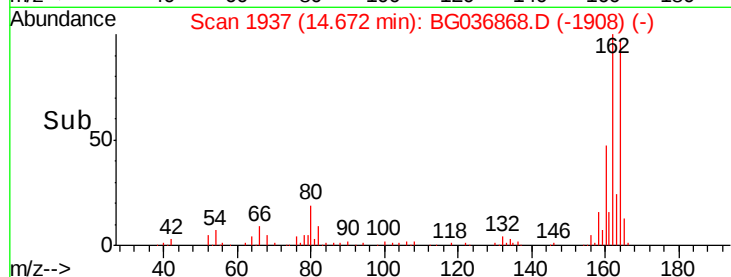
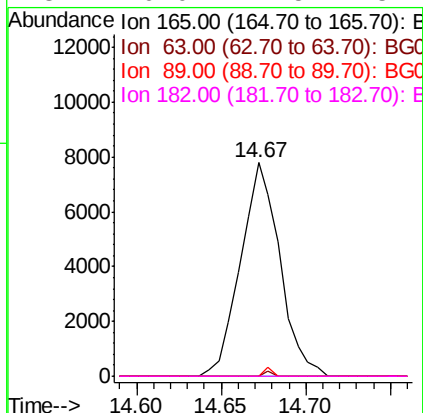
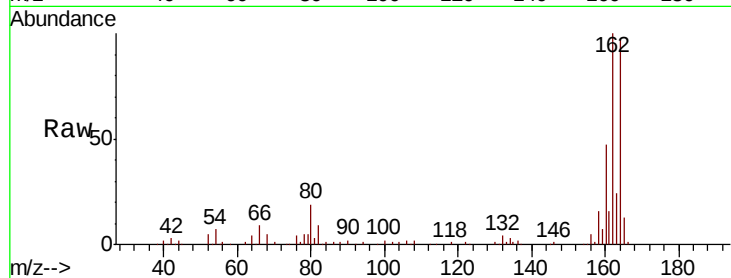




#56
 2,4-Dinitrotoluene
 Concen: 5.063 ng
 RT: 14.67 min Scan# 1937
 Delta R.T. -0.36 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

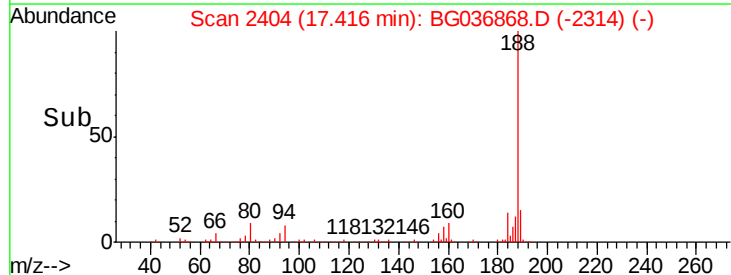
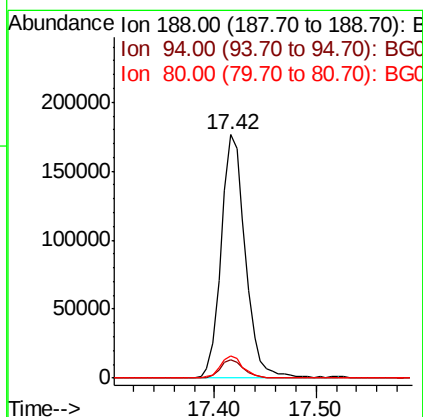
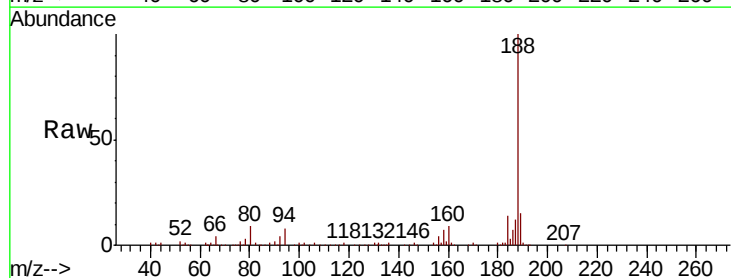
Instrument :
 BNA_G
 ClientSampleId :
 PL-03-092018-A

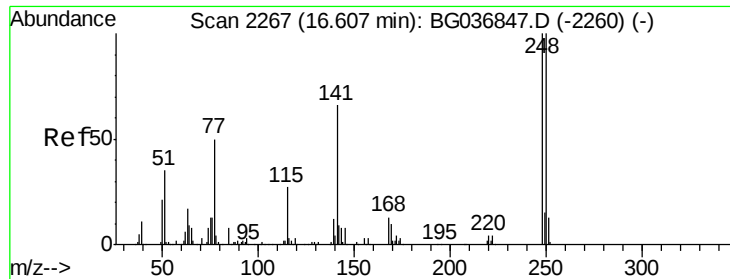
Tgt Ion:	165	Resp:	12584
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	0.0	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2404
 Delta R.T. -0.00 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

Tgt Ion:	188	Resp:	292885
Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.7	10.1
80	8.9	8.1	12.1

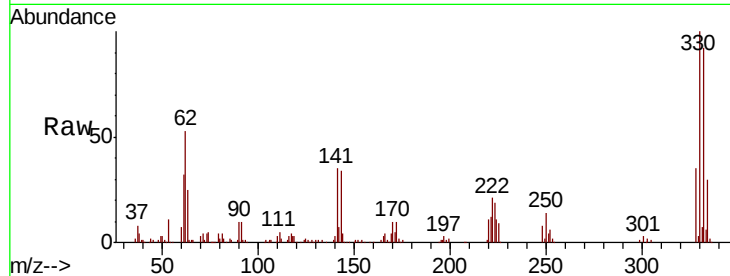




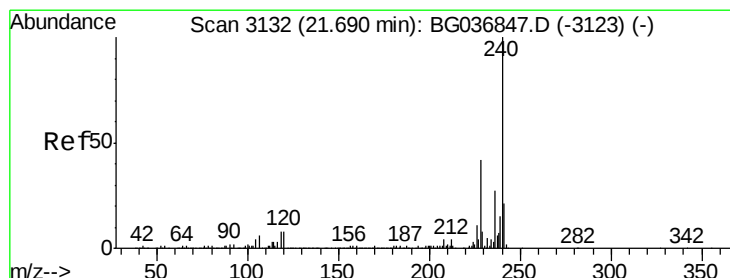
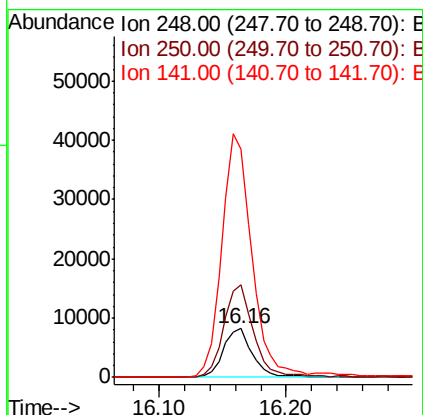
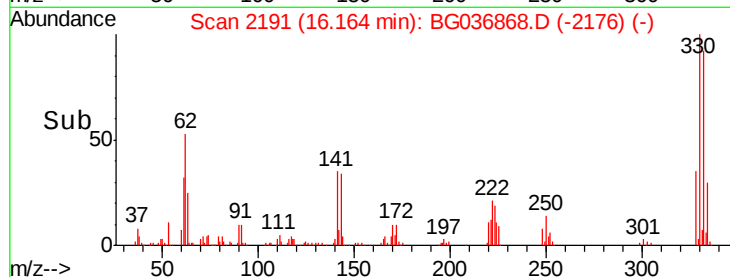
#66
 4-Bromophenyl-phenylether
 Concen: 3.922 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.44 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

Instrument :
 BNA_G
 ClientSampleId :
 PL-03-092018-A

Tgt Ion:248 Resp: 13066
 Ion Ratio Lower Upper
 248 100
 250 188.6 78.1 117.1#
 141 466.1 53.7 80.5#

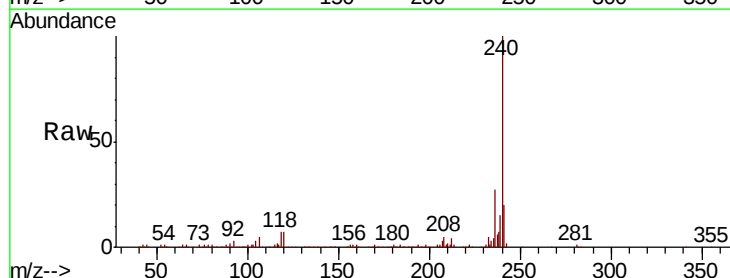


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

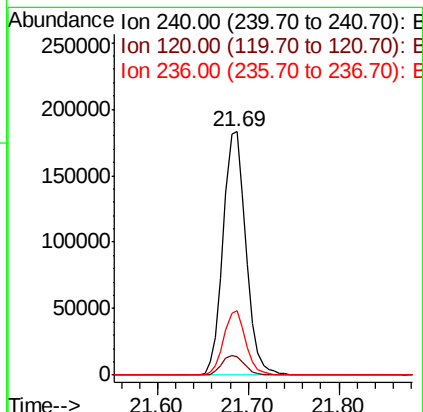
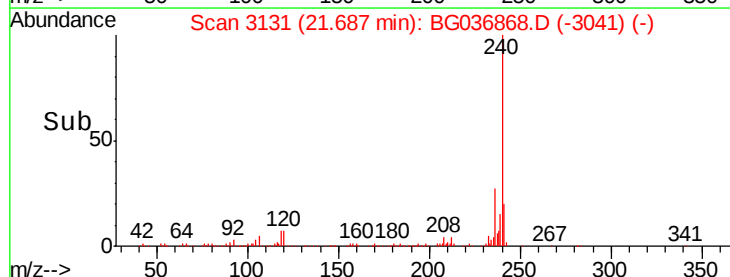


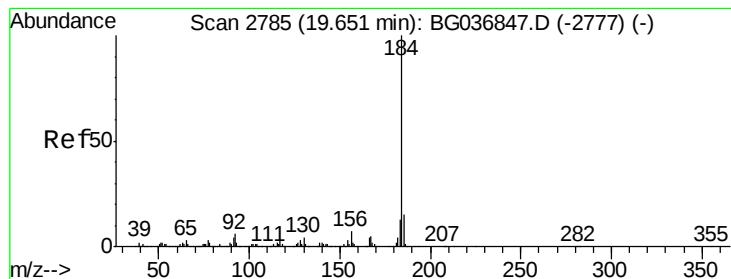
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

Tgt Ion:240 Resp: 320953
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.9 10.3
 236 26.6 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: 2.168 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

Instrument :

BNA_G

ClientSampleId :

PL-03-092018-A

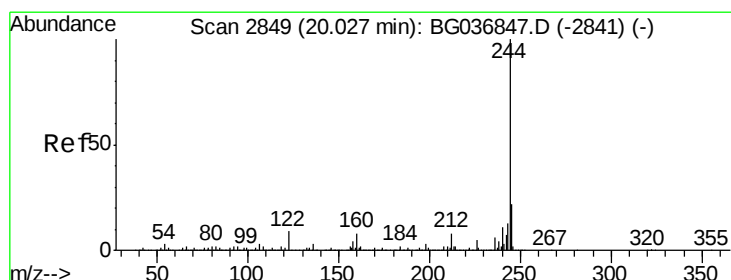
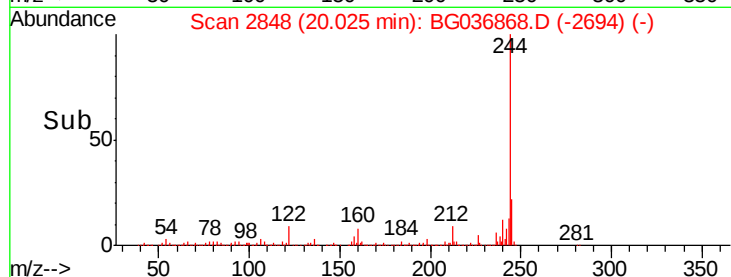
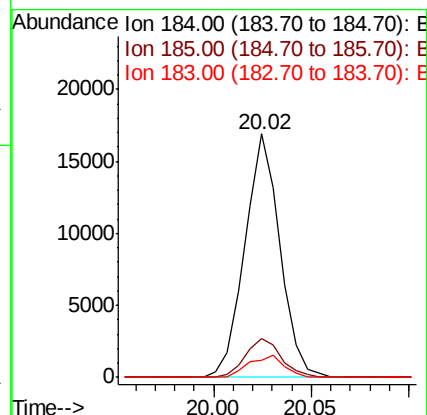
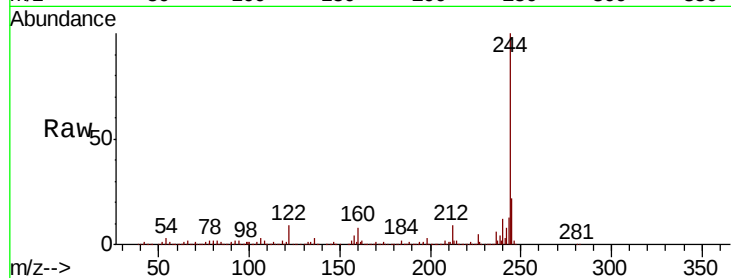
Tgt Ion:184 Resp: 21039

Ion Ratio Lower Upper

184 100

185 15.8 12.6 18.8

183 7.2 10.9 16.3#



#78

Terphenyl-d14

Concen: 102.260 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.00 min

Lab File: BG036868.D

Acq: 21 Sep 2018 21:20

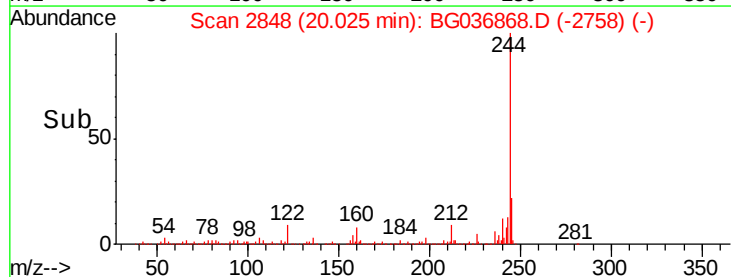
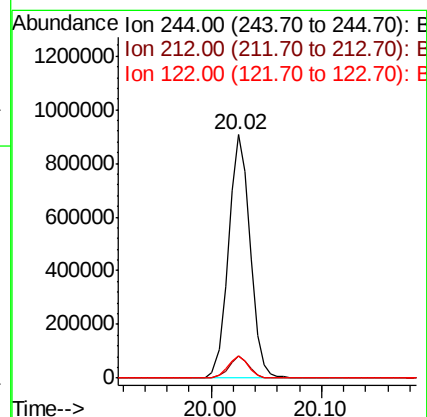
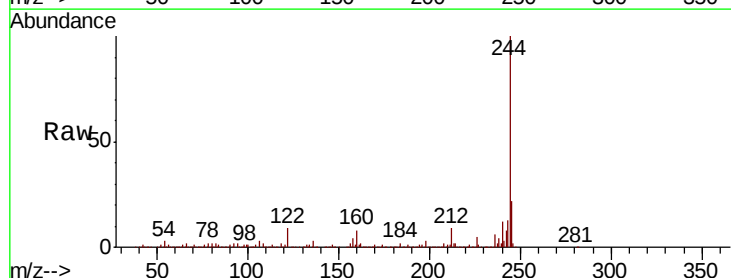
Tgt Ion:244 Resp: 1248173

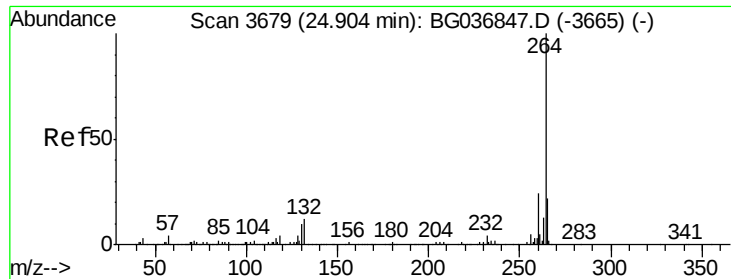
Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

122 8.9 7.1 10.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.90 min Scan# 3677
 Delta R.T. -0.01 min
 Lab File: BG036868.D
 Acq: 21 Sep 2018 21:20

Instrument :
 BNA_G
 ClientSampleId :
 PL-03-092018-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	22.6	17.4	26.0

