

Data File : BG036699.D
Acq On : 14 Sep 2018 1:50
Operator : JU/SJ
Sample : PB112803BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB112803BL

Quant Time: Sep 14 05:13:10 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

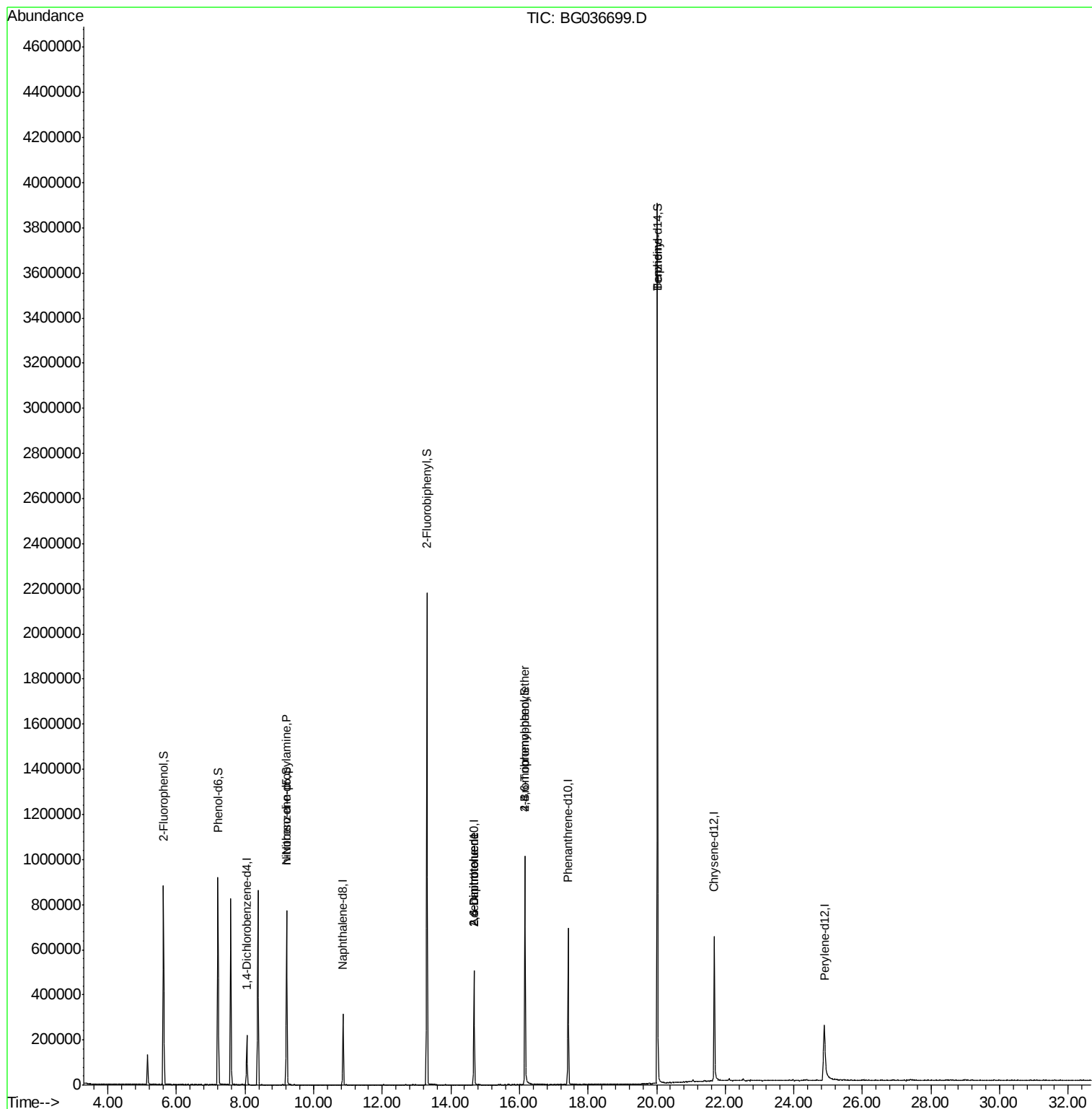
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	63670	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	266754	20.00	ng	0.00
38) Acenaphthene-d10	14.68	164	180747	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	448019	20.00	ng	0.00
75) Chrysene-d12	21.68	240	461769	20.00	ng	-0.02
86) Perylene-d12	24.89	264	390566	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	369150	91.97	ng	0.00
7) Phenol-d6	7.21	99	526471	91.61	ng	0.00
23) Nitrobenzene-d5	9.21	82	475490	96.71	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	200534	92.98	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	1131571	89.39	ng	0.00
78) Terphenyl-d14	20.03	244	1842866	93.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	63047	14.680	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	24298	8.001	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	24298	6.139	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	13853	2.641	ng	# 1
76) Benzidine	20.02	184	32937	2.236	ng	# 91

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

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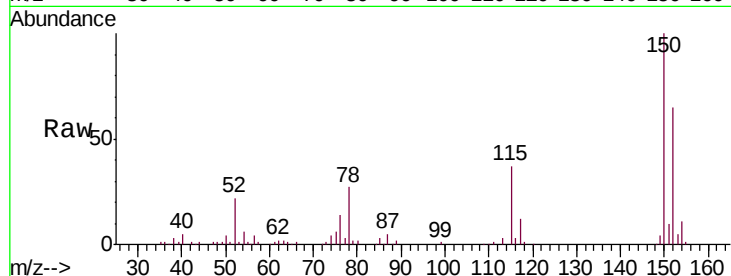


#1

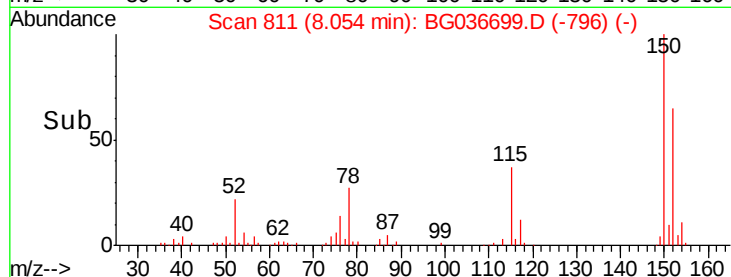
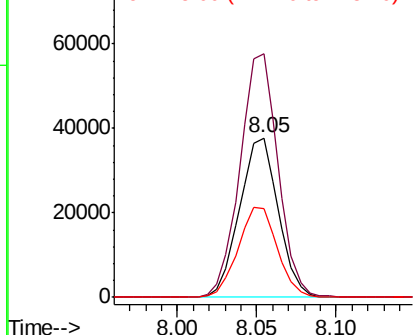
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.01 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

Instrument :
BNA_G
ClientSampleId :
PB112803BL

Tgt Ion:152 Resp: 63670
Ion Ratio Lower Upper
152 100
150 152.9 119.5 179.3
115 55.9 44.5 66.7



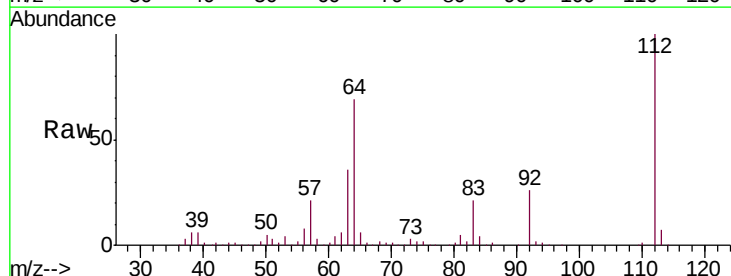
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



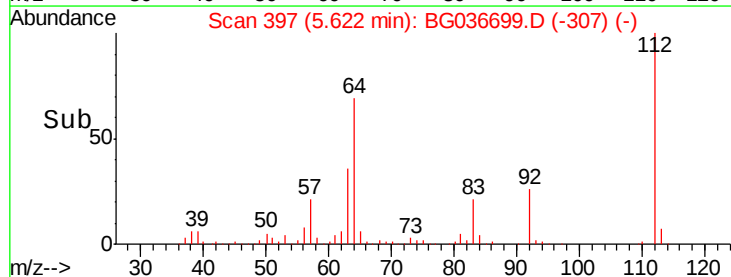
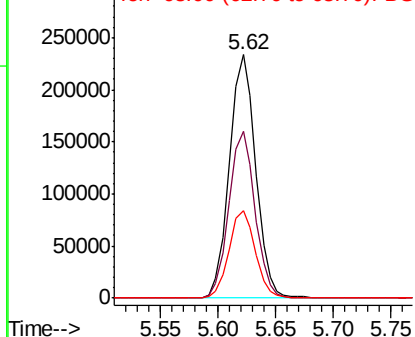
#5

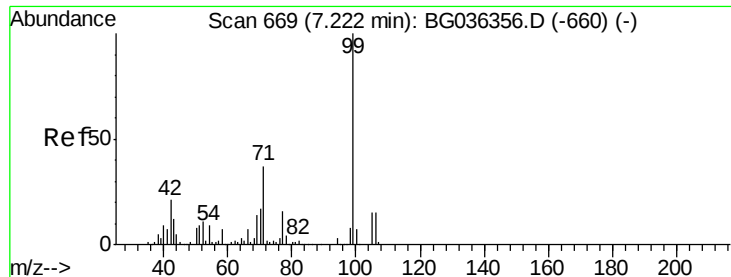
2-Fluorophenol
Concen: 91.971 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.00 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

Tgt Ion:112 Resp: 369150
Ion Ratio Lower Upper
112 100
64 68.7 57.2 85.8
63 35.8 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: 91.613 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036699.D

Acq: 14 Sep 2018 1:50

Instrument :

BNA_G

ClientSampleId :

PB112803BL

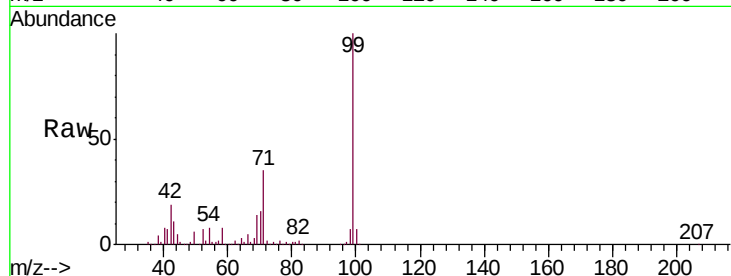
Tgt Ion: 99 Resp: 526471

Ion Ratio Lower Upper

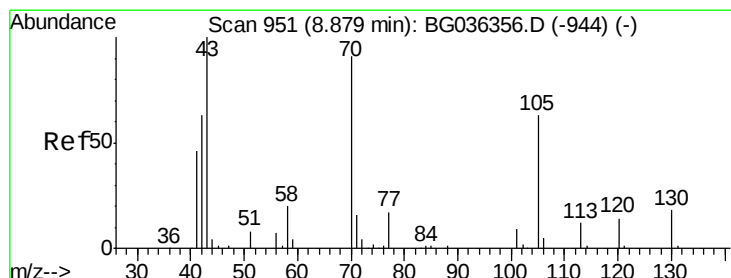
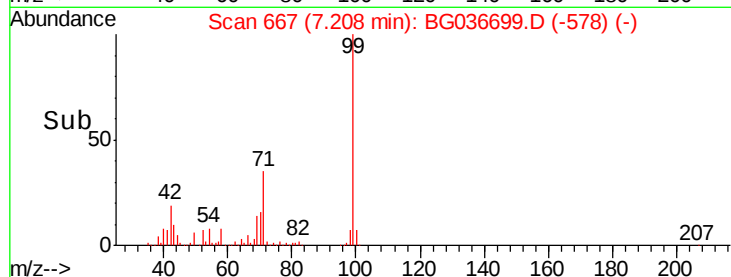
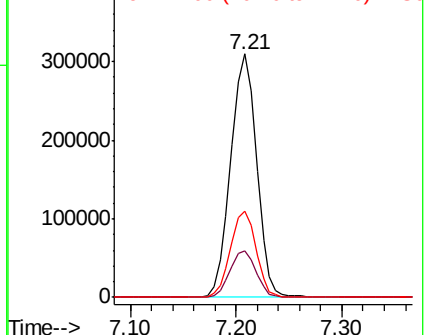
99 100

42 19.0 16.5 24.7

71 35.3 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: 14.680 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.35 min

Lab File: BG036699.D

Acq: 14 Sep 2018 1:50

Tgt Ion: 70 Resp: 63047

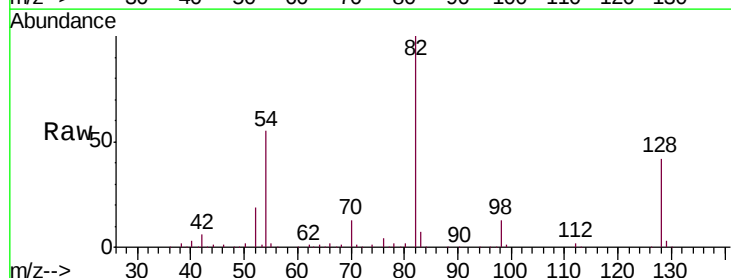
Ion Ratio Lower Upper

70 100

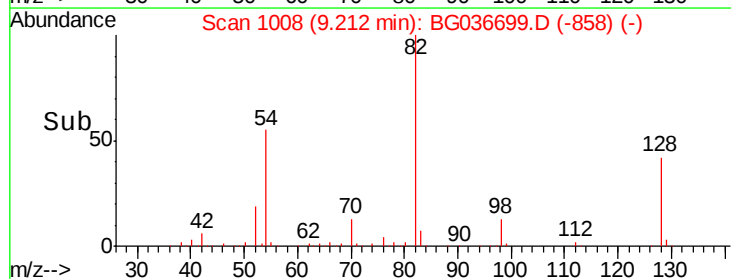
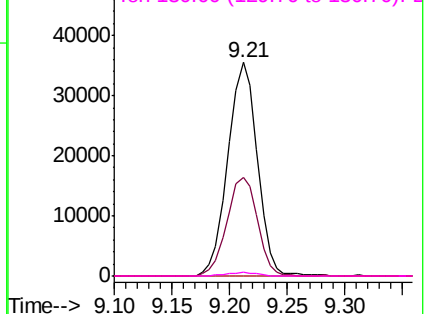
42 46.0 56.2 84.4#

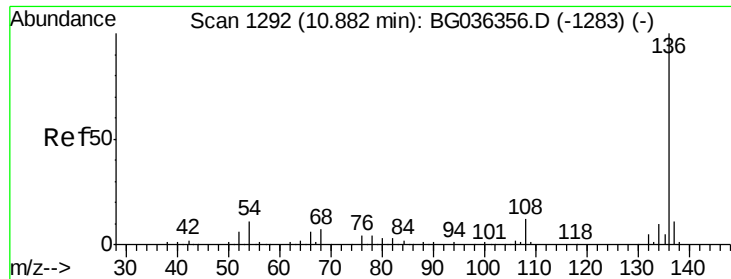
101 0.0 7.8 11.6#

130 2.0 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

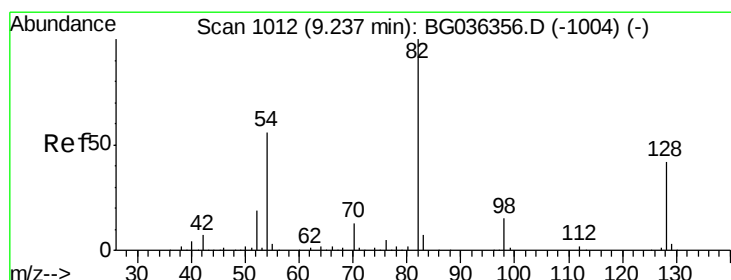
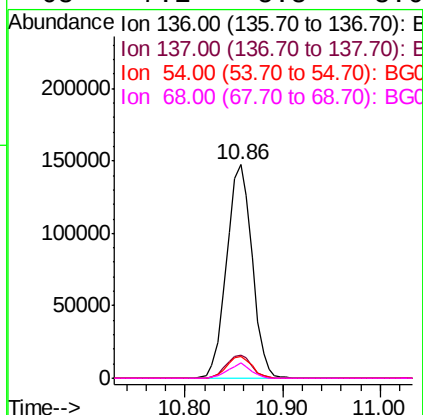
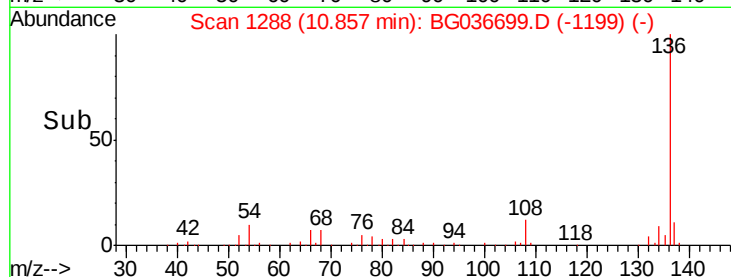
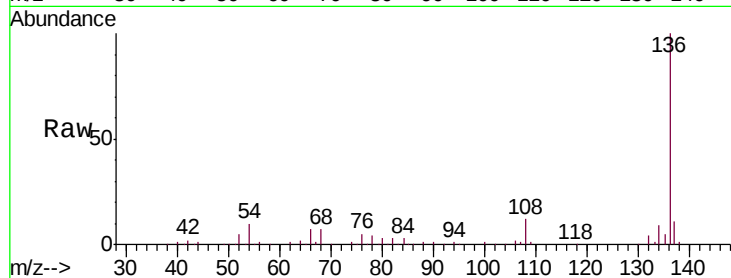




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

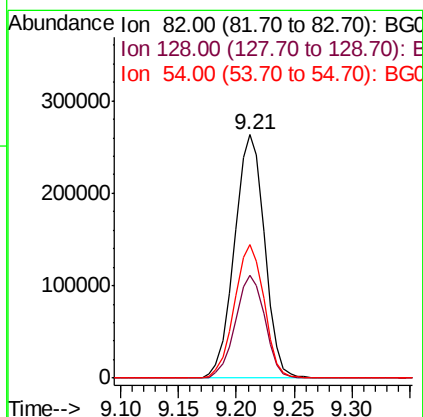
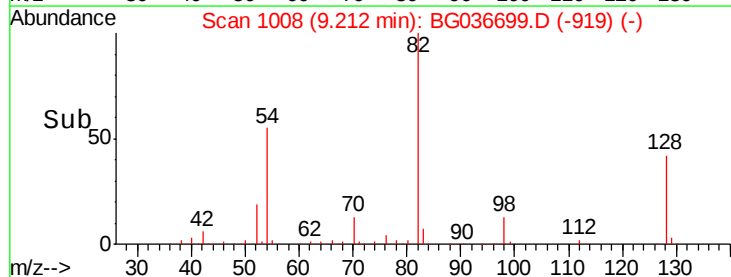
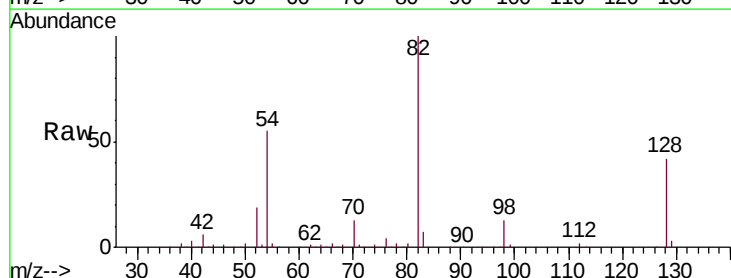
Instrument :
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PB112803BL

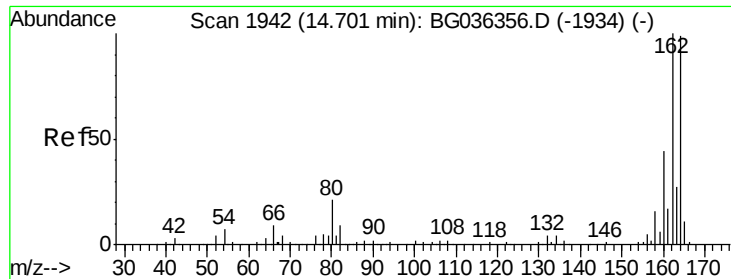
Tgt Ion:	136	Resp:	266754
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	10.2	9.2	13.8
68	7.1	5.8	8.6



#23
Nitrobenzene-d5
Concen: 96.713 ng
RT: 9.21 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

Tgt Ion:	82	Resp:	475490
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	54.9	45.1	67.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG036699.D

Acq: 14 Sep 2018 1:50

Instrument :

BNA_G

ClientSampleId :

PB112803BL

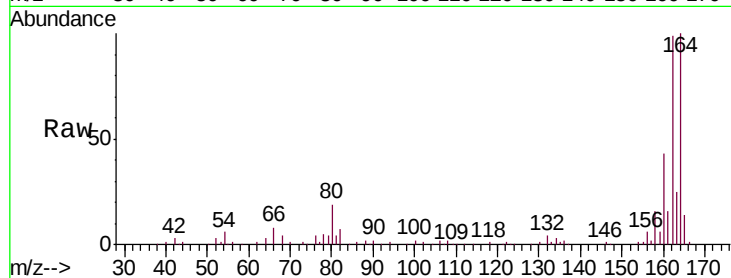
Tgt Ion:164 Resp: 180747

Ion Ratio Lower Upper

164 100

162 98.5 80.7 121.1

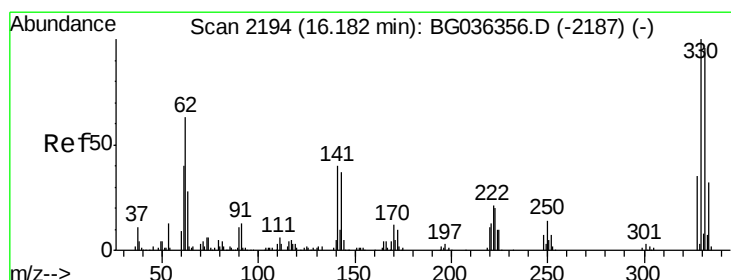
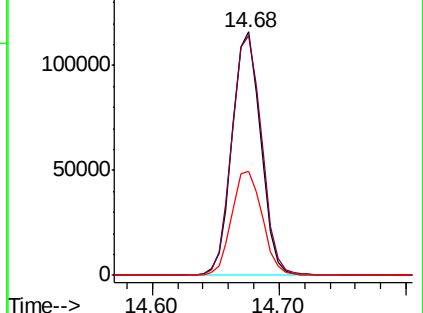
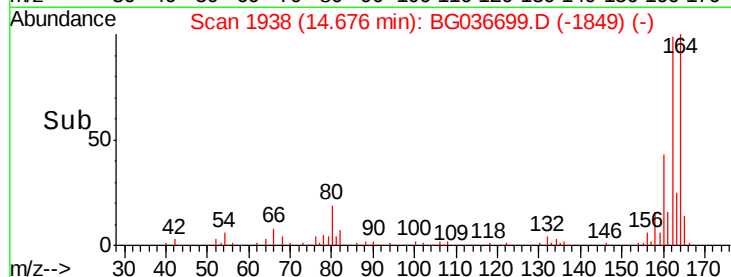
160 42.9 35.3 52.9



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: 92.981 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BG036699.D

Acq: 14 Sep 2018 1:50

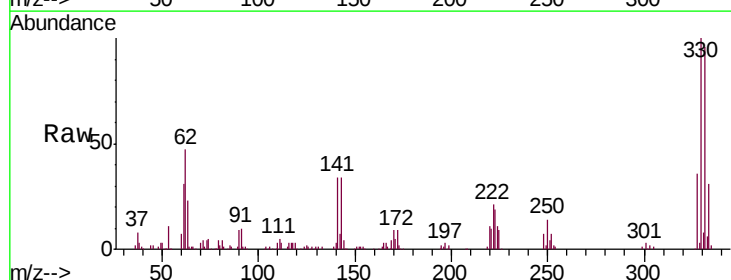
Tgt Ion:330 Resp: 200534

Ion Ratio Lower Upper

330 100

332 97.1 75.4 113.2

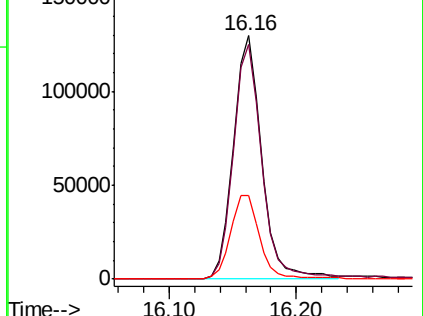
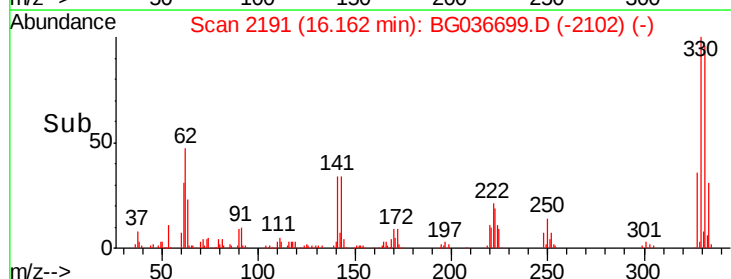
141 36.0 30.7 46.1

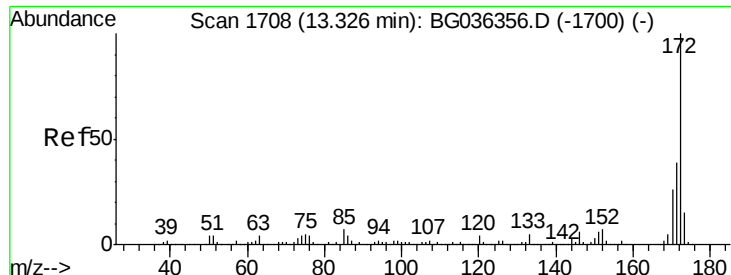


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

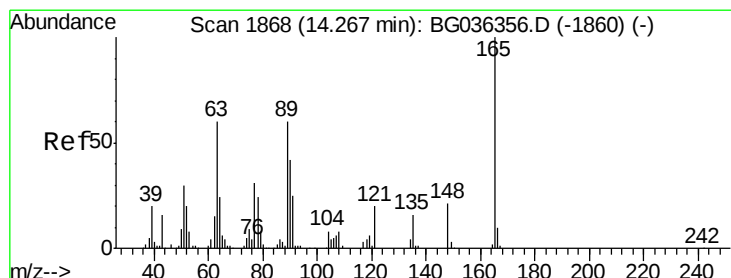
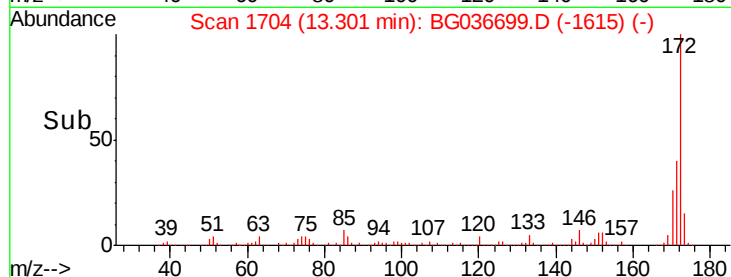
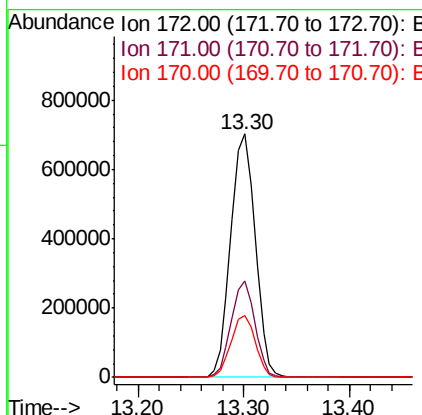
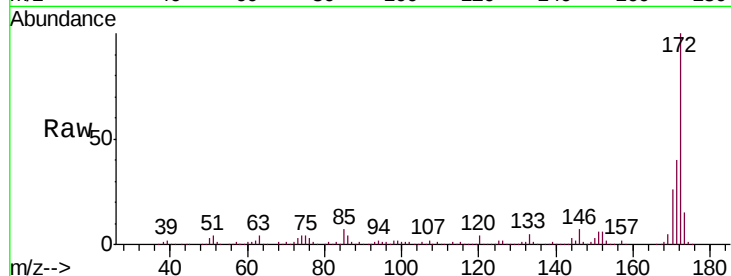




#44
 2-Fluorobiphenyl
 Concen: 89.389 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG036699.D
 Acq: 14 Sep 2018 1:50

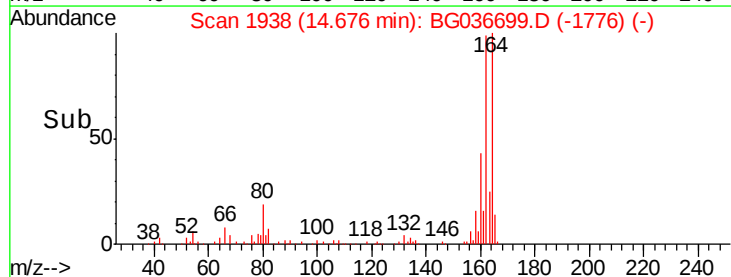
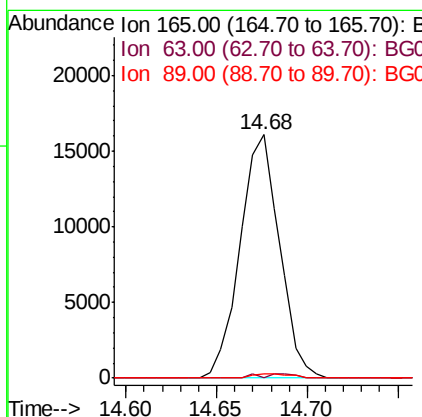
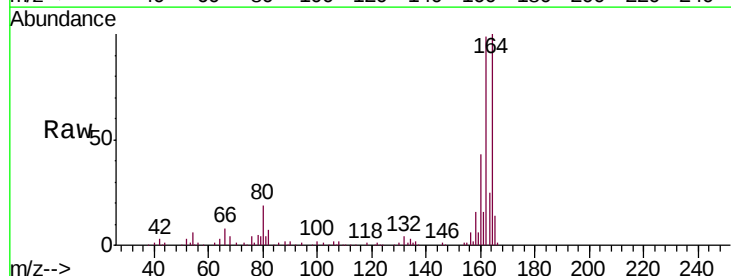
Instrument :
 BNA_G
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 PB112803BL

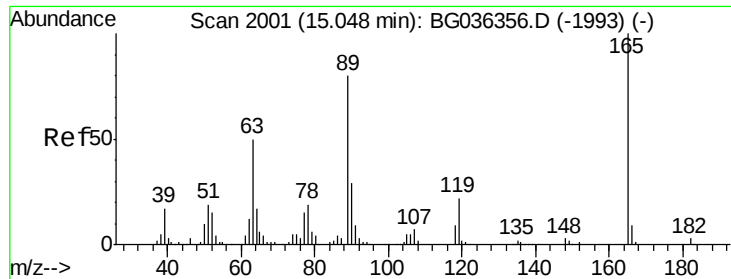
Tgt Ion:172 Resp: 1131571
 Ion Ratio Lower Upper
 172 100
 171 39.6 31.3 46.9
 170 25.6 21.0 31.6



#50
 2,6-Dinitrotoluene
 Concen: 8.001 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. 0.42 min
 Lab File: BG036699.D
 Acq: 14 Sep 2018 1:50

Tgt Ion:165 Resp: 24298
 Ion Ratio Lower Upper
 165 100
 63 0.0 50.1 75.1#
 89 1.6 47.8 71.6#

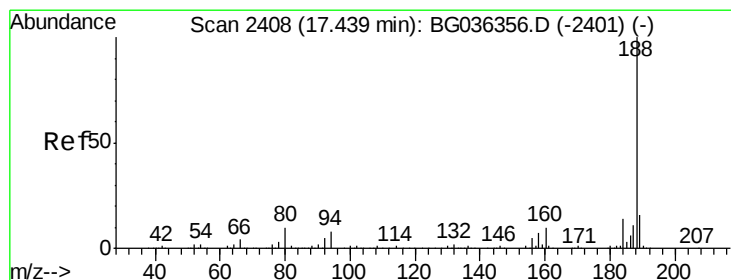
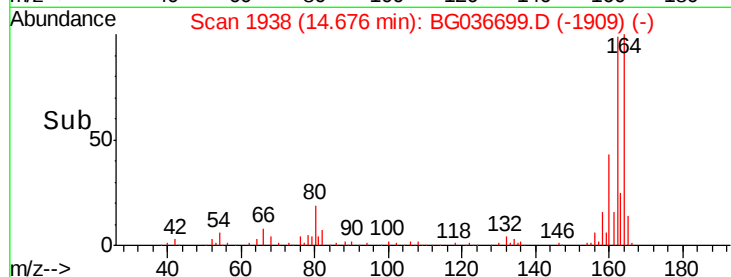
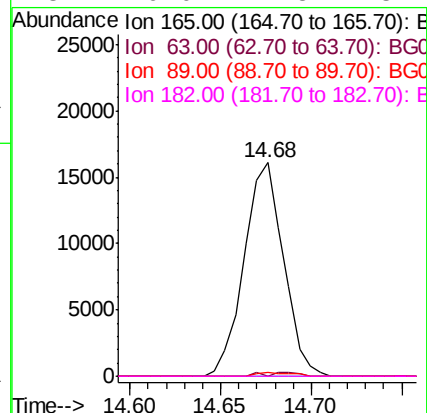
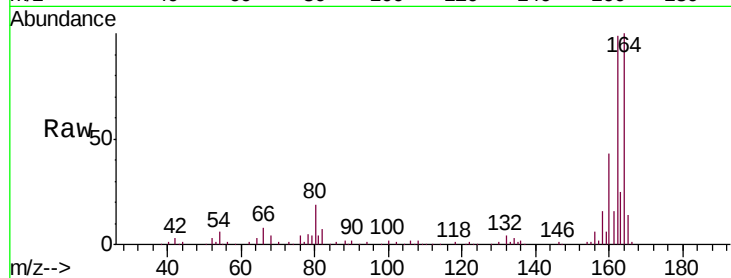




#56
 2,4-Dinitrotoluene
 Concen: 6.139 ng
 RT: 14.68 min Scan# 1938
 Delta R.T. -0.36 min
 Lab File: BG036699.D
 Acq: 14 Sep 2018 1:50

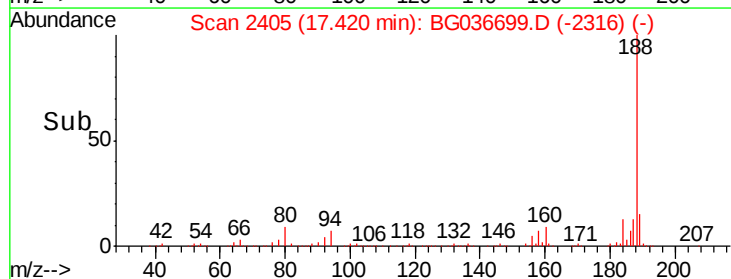
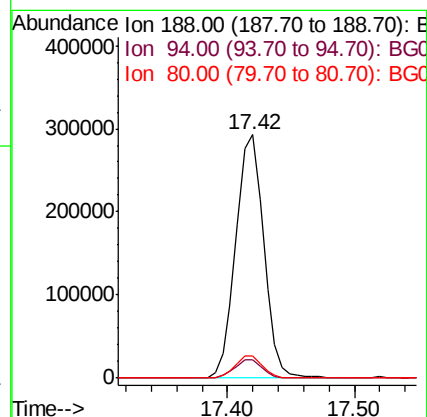
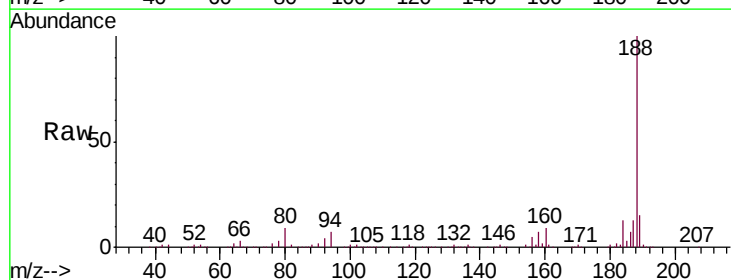
Instrument :
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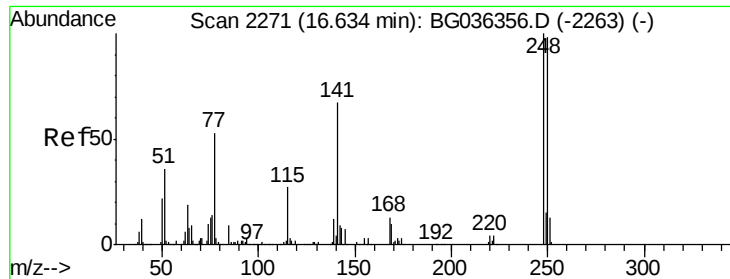
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.1	60.1#
89	1.6	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BG036699.D
 Acq: 14 Sep 2018 1:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.7	10.1
80	9.3	8.1	12.1

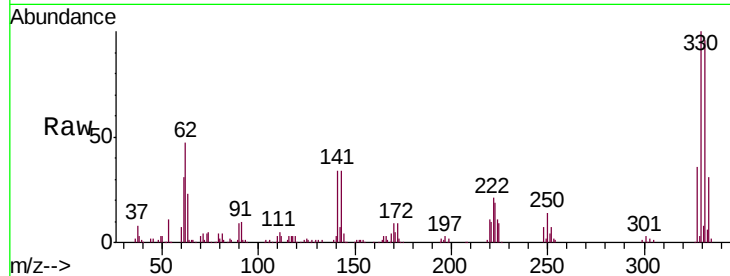




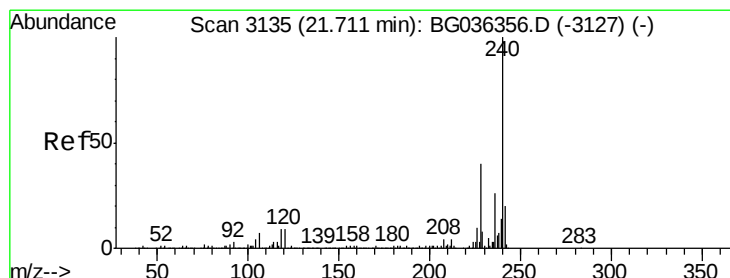
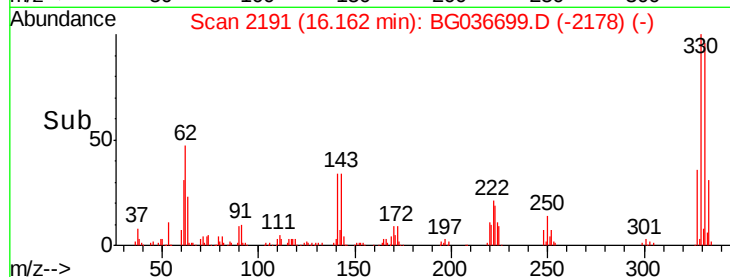
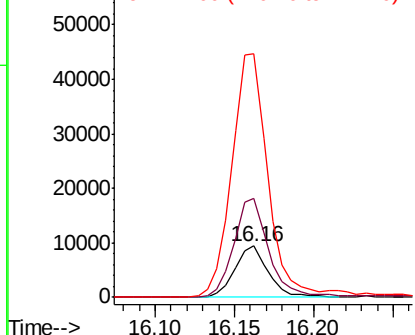
#66
4-Bromophenyl-phenylether
Concen: 2.641 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.46 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

Instrument :
BNA_G
ClientSampleId :
PB112803BL

Tgt Ion:248 Resp: 13853
Ion Ratio Lower Upper
248 100
250 192.6 78.1 117.1#
141 473.9 53.7 80.5#

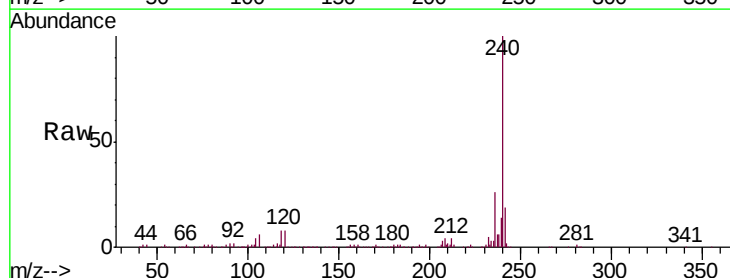


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

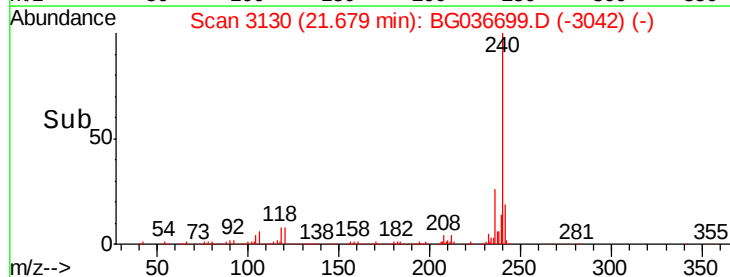
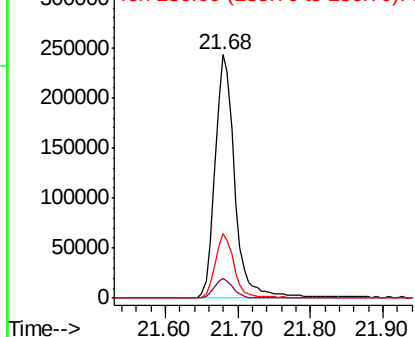


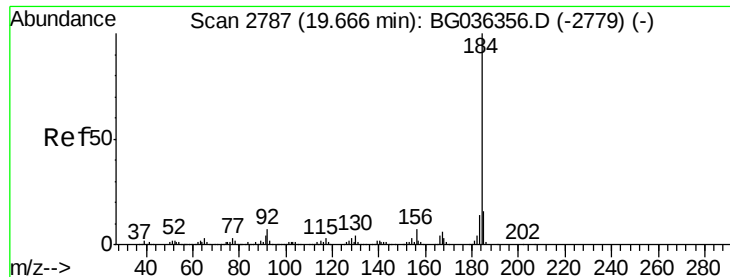
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

Tgt Ion:240 Resp: 461769
Ion Ratio Lower Upper
240 100
120 8.1 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: 2.236 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.37 min

Lab File: BG036699.D

Acq: 14 Sep 2018 1:50

Instrument :

BNA_G

ClientSampleId :

PB112803BL

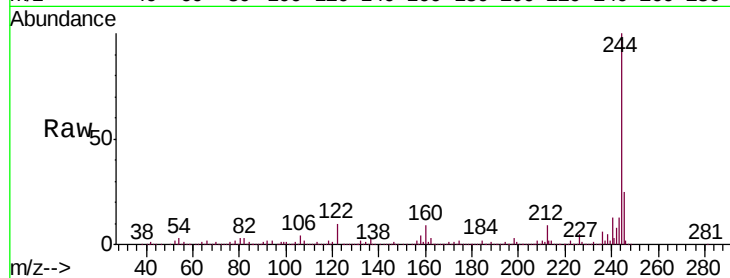
Tgt Ion:184 Resp: 32937

Ion Ratio Lower Upper

184 100

185 17.8 12.6 18.8

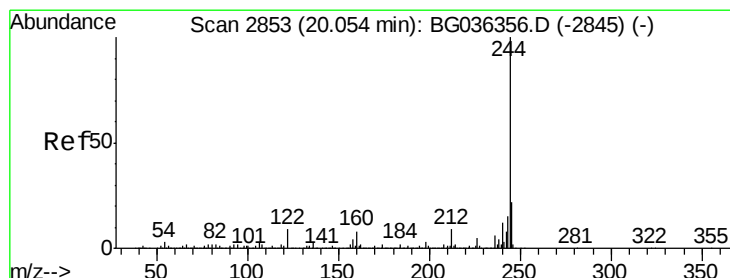
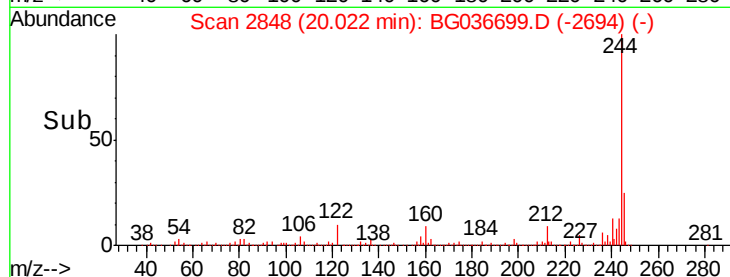
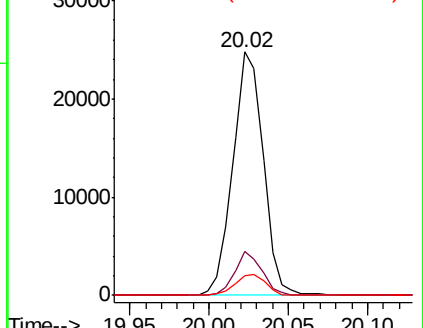
183 8.0 10.9 16.3#



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: 93.281 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG036699.D

Acq: 14 Sep 2018 1:50

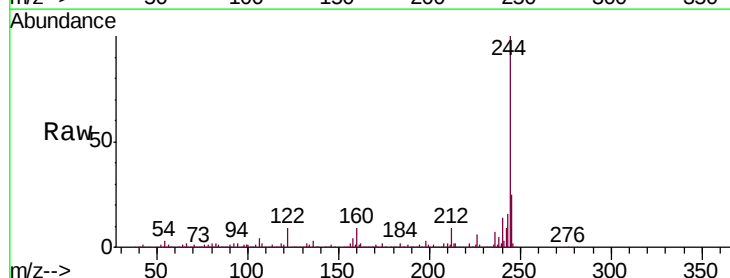
Tgt Ion:244 Resp: 1842866

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.6

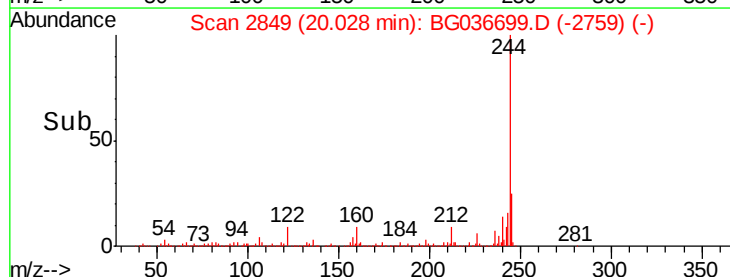
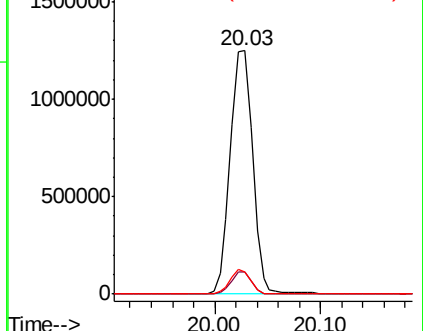
122 9.2 7.1 10.7

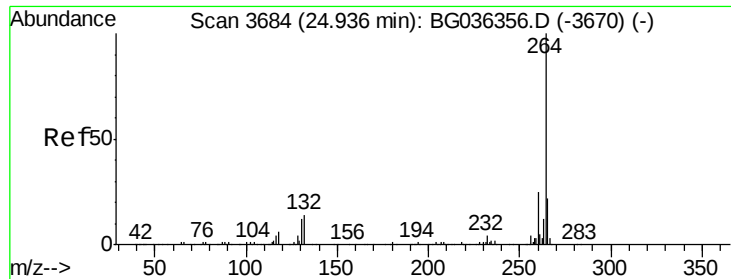


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.89 min Scan# 3676
Delta R.T. -0.02 min
Lab File: BG036699.D
Acq: 14 Sep 2018 1:50

Instrument :
BNA_G
ClientSampleId :
PB112803BL

Tgt Ion: 264 Resp: 390566
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 21.4 17.4 26.0

