

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036084.D
 Acq On : 3 Aug 2018 7:50
 Operator : JU/SJ
 Sample : PB111703BL
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111703BL

Quant Time: Aug 03 08:29:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

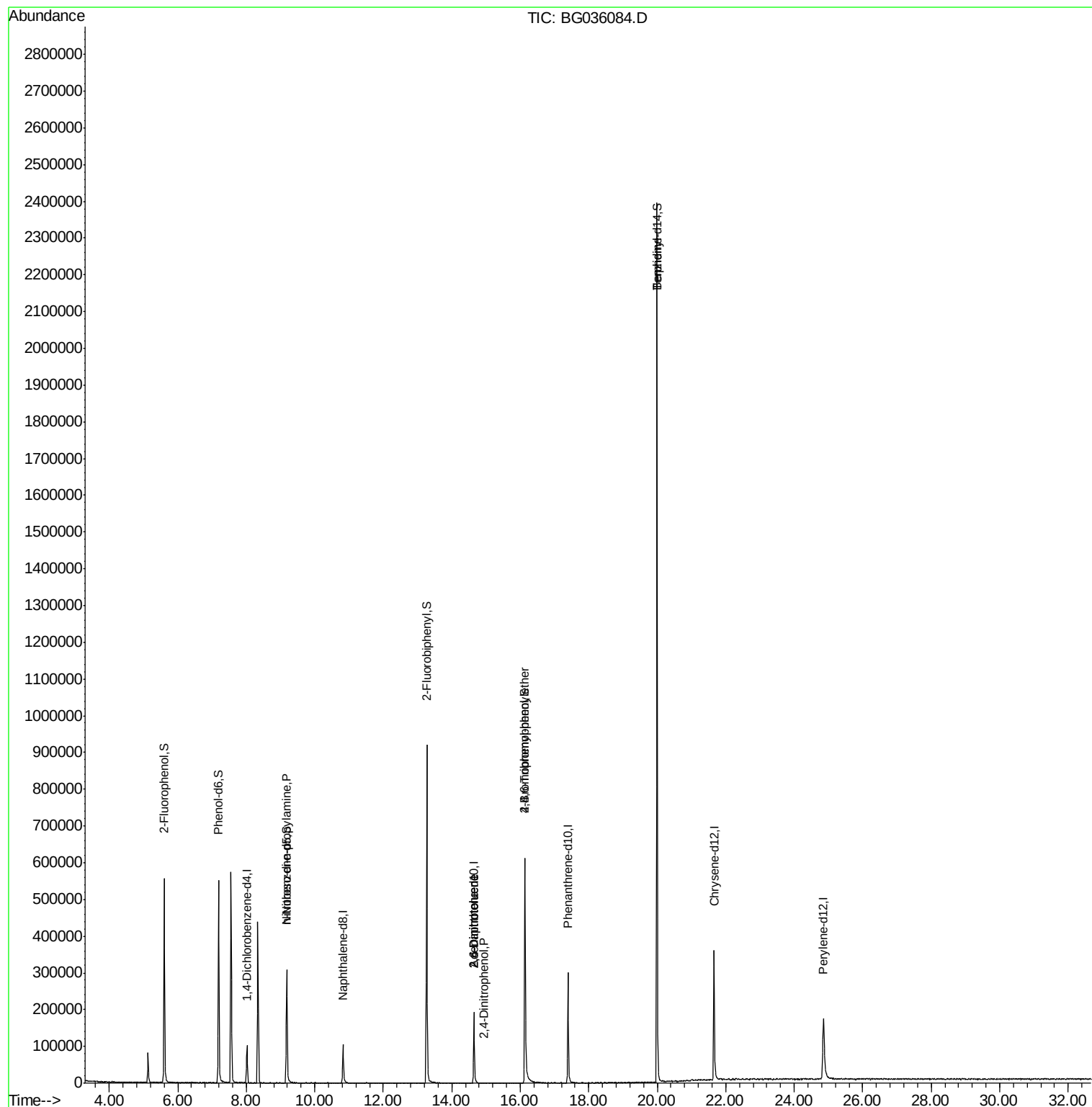
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29323	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	103339	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	78301	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	230579	20.00	ng	0.00
75) Chrysene-d12	21.66	240	268464	20.00	ng	0.00
86) Perylene-d12	24.85	264	242658	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	248936	140.94	ng	0.00
7) Phenol-d6	7.19	99	351725	133.47	ng	0.00
23) Nitrobenzene-d5	9.18	82	231270	93.49	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	149043	144.41	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	557484	95.39	ng	0.00
78) Terphenyl-d14	19.99	244	1220969	100.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.18	70	31163	14.044	ng	# 71
50) 2,6-Dinitrotoluene	14.64	165	10107	7.235	ng	# 18
53) 2,4-Dinitrophenol	14.94	184	93	6.701	ng	# 1
56) 2,4-Dinitrotoluene	14.64	165	10107	5.043	ng	# 16
66) 4-Bromophenyl-phenylether	16.13	248	12185	4.555	ng	# 1
76) Benzidine	19.99	184	19520	2.766	ng	# 90

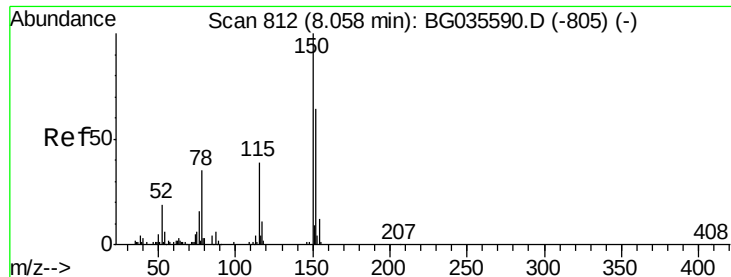
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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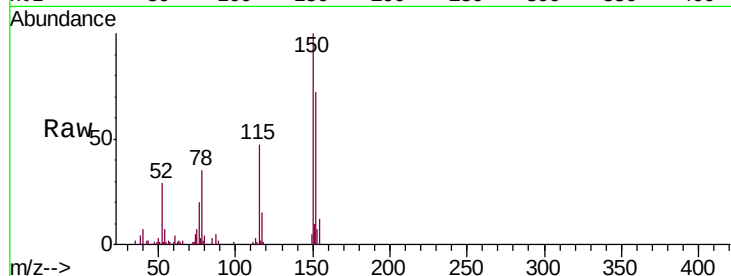


#1

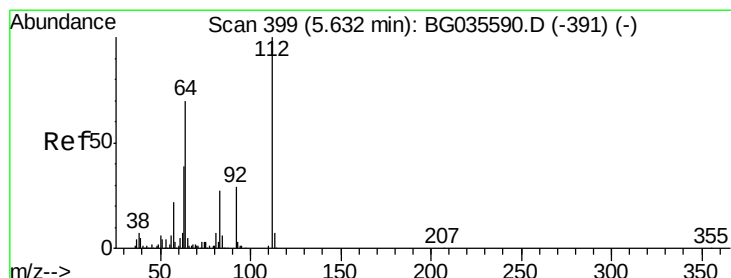
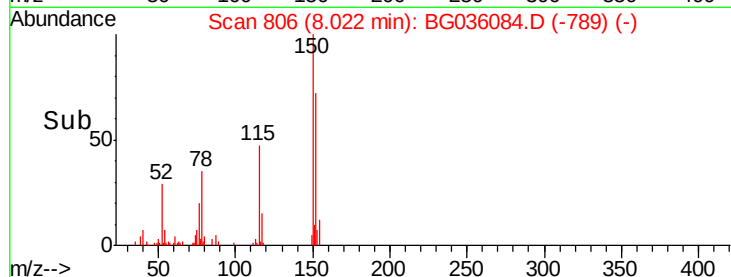
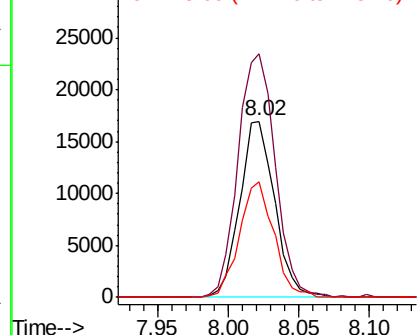
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036084.D
Acq: 3 Aug 2018 7:50

Instrument :
BNA_G
ClientSampleId :
PB111703BL

Tgt Ion:152 Resp: 29323
Ion Ratio Lower Upper
152 100
150 138.2 126.6 189.8
115 65.5 53.0 79.4



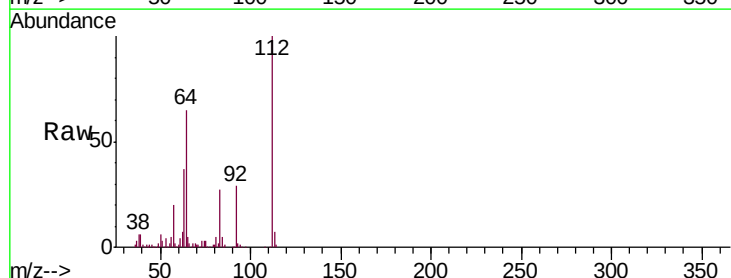
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



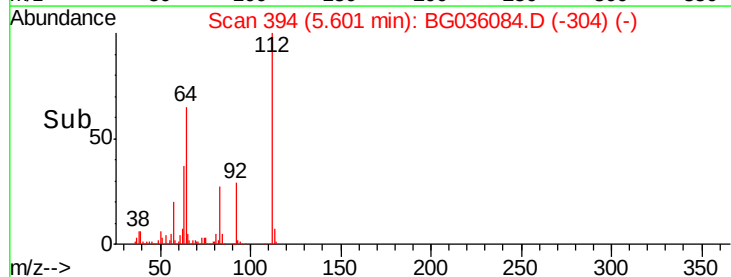
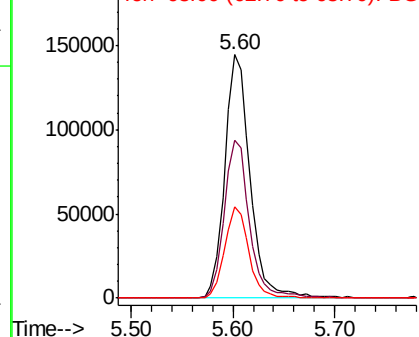
#5

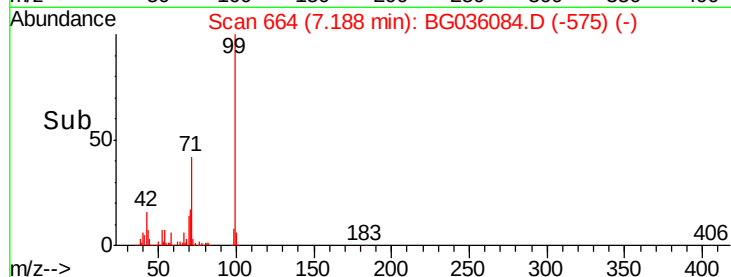
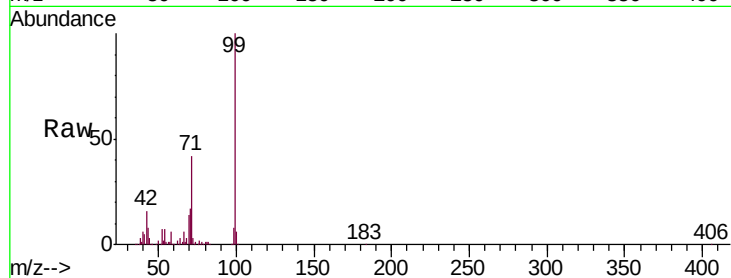
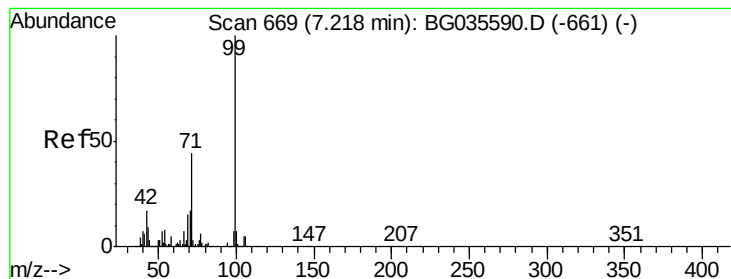
2-Fluorophenol
Concen: 140.945 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG036084.D
Acq: 3 Aug 2018 7:50

Tgt Ion:112 Resp: 248936
Ion Ratio Lower Upper
112 100
64 65.1 56.3 84.5
63 37.3 30.1 45.1



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: 133.475 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

Instrument :

BNA_G

ClientSampleId :

PB111703BL

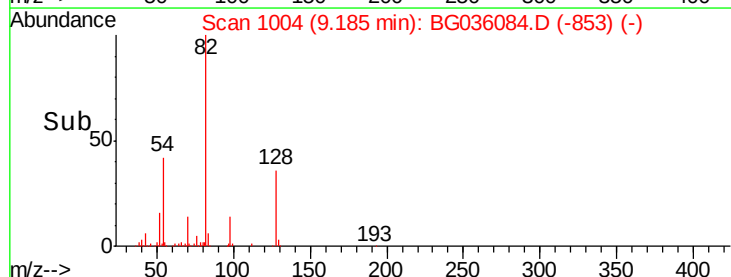
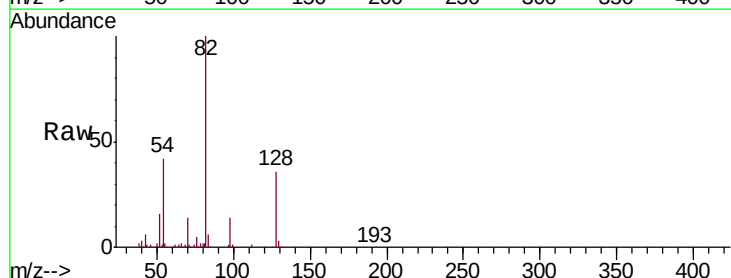
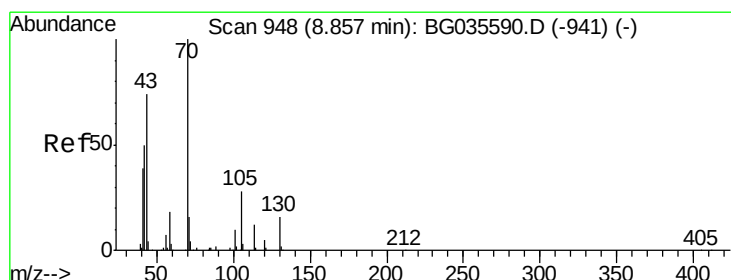
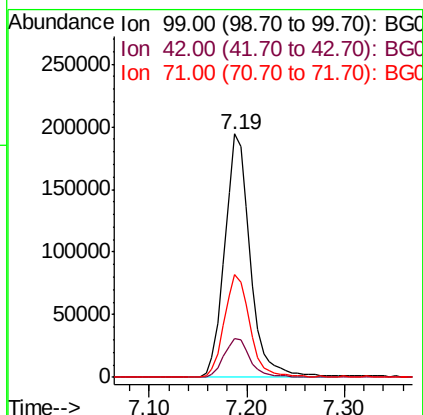
Tgt Ion: 99 Resp: 351725

Ion Ratio Lower Upper

99 100

42 15.7 14.1 21.1

71 42.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.044 ng

RT: 9.18 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

Tgt Ion: 70 Resp: 31163

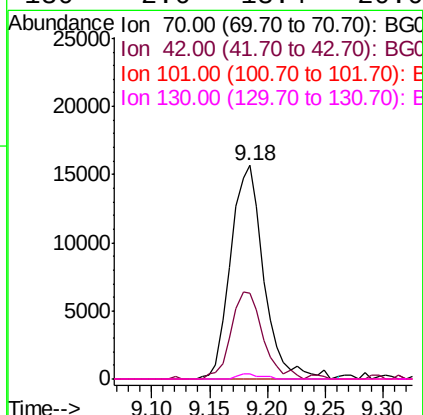
Ion Ratio Lower Upper

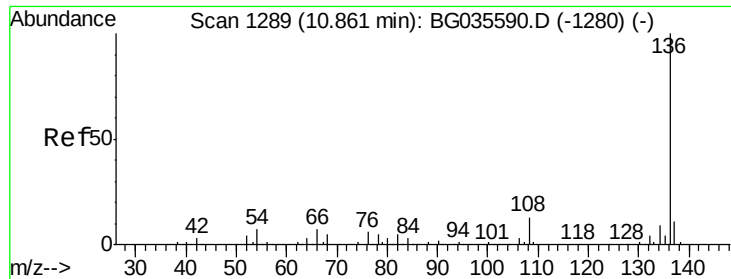
70 100

42 40.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#

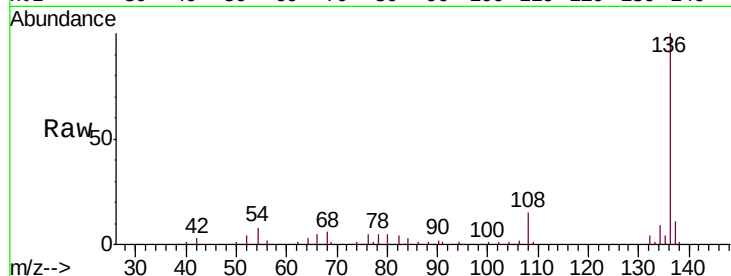




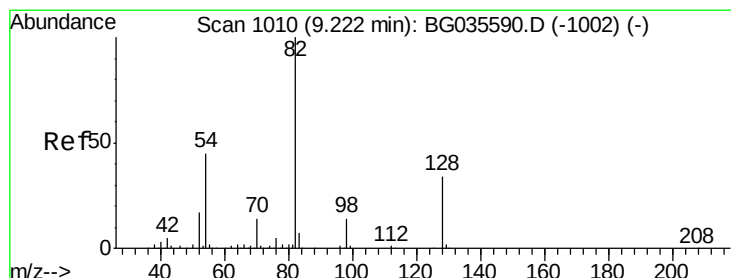
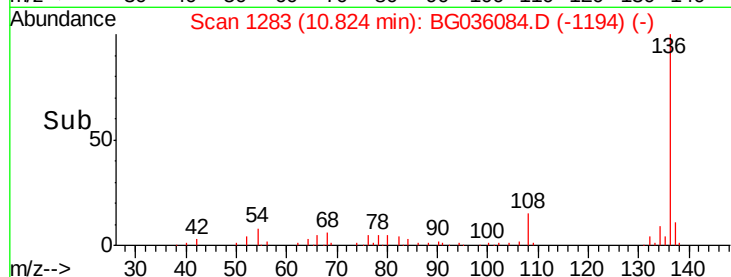
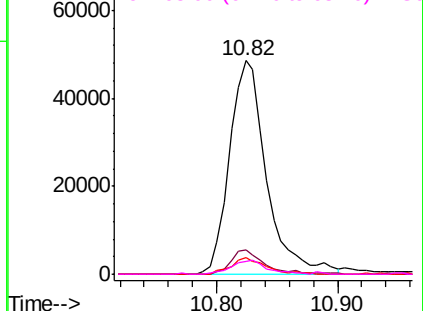
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036084.D
Acq: 3 Aug 2018 7:50

Instrument :
BNA_G
ClientSampleId :
PB111703BL

Tgt Ion:	136	Resp:	103339
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.9	10.3	15.5#
68	5.9	4.5	6.7

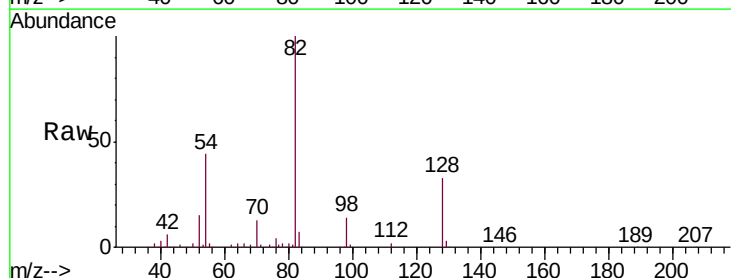


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

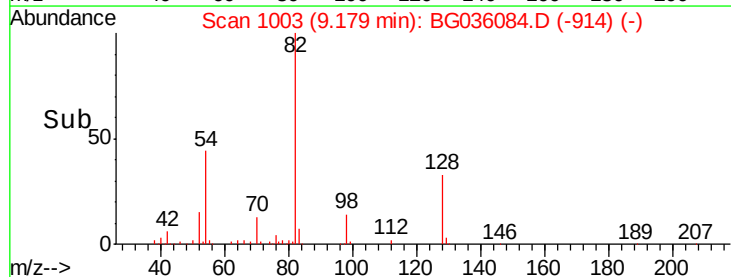
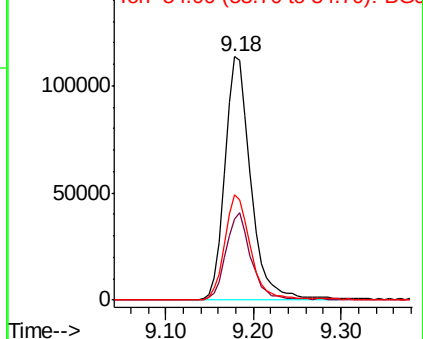


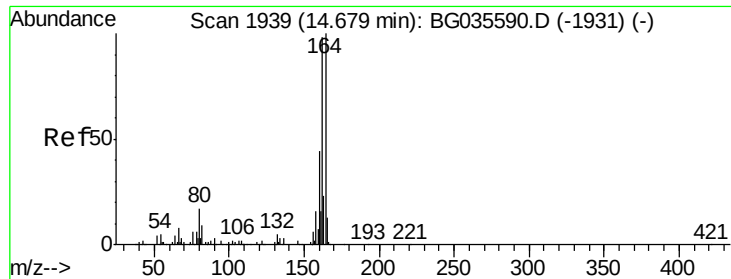
#23
Nitrobenzene-d5
Concen: 93.491 ng
RT: 9.18 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG036084.D
Acq: 3 Aug 2018 7:50

Tgt Ion:	82	Resp:	231270
Ion	Ratio	Lower	Upper
82	100		
128	33.4	29.7	44.5
54	43.5	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.00 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

Instrument :

BNA_G

ClientSampleId :

PB111703BL

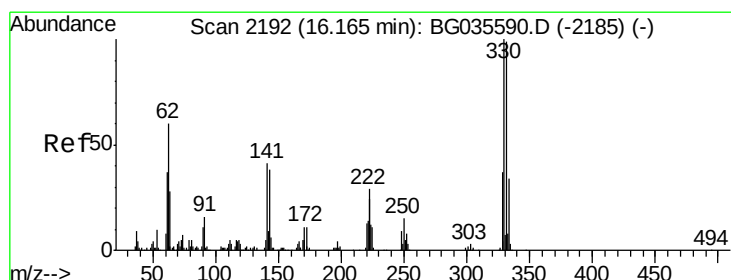
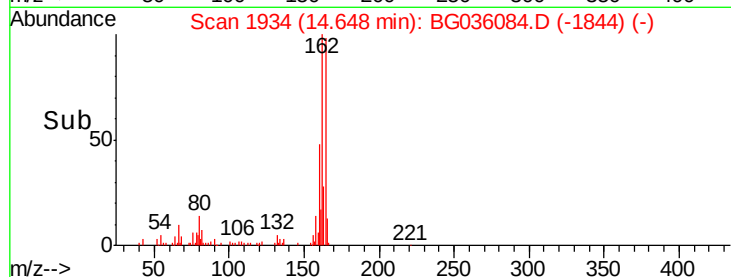
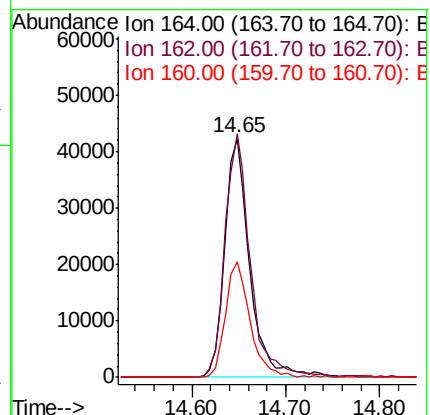
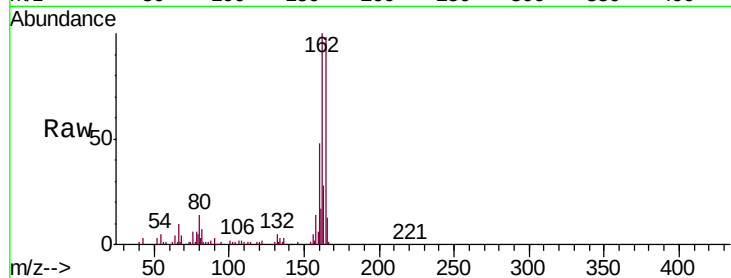
Tgt Ion:164 Resp: 78301

Ion Ratio Lower Upper

164 100

162 102.0 78.8 118.2

160 48.6 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 144.413 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

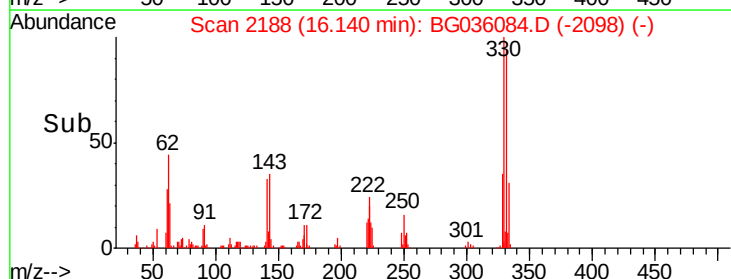
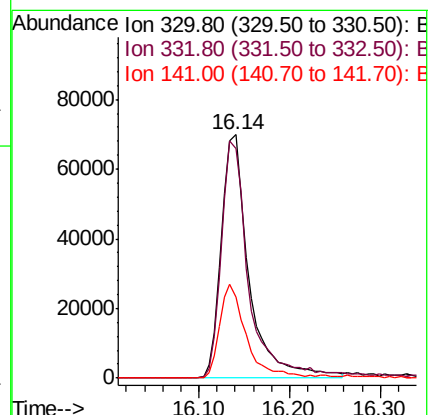
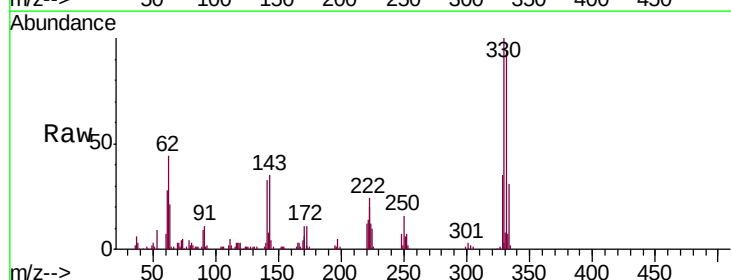
Tgt Ion:330 Resp: 149043

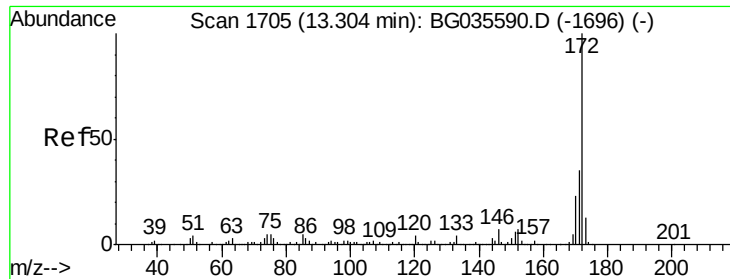
Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 36.4 25.2 37.8

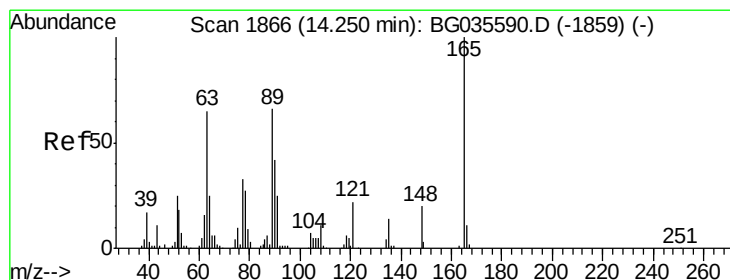
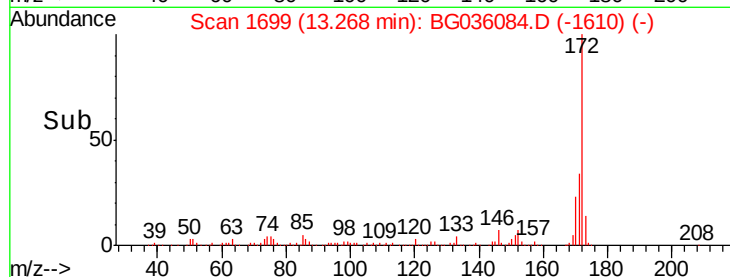
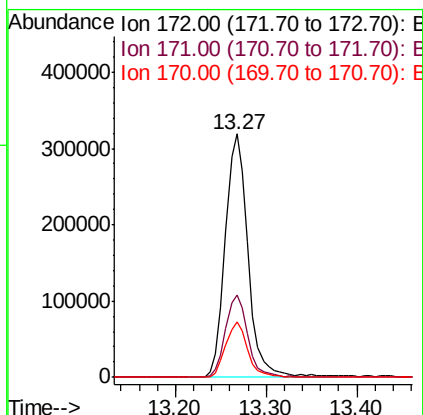
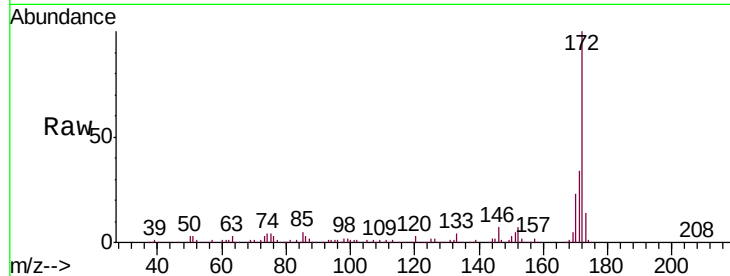




#44
 2-Fluorobiphenyl
 Concen: 95.386 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036084.D
 Acq: 3 Aug 2018 7:50

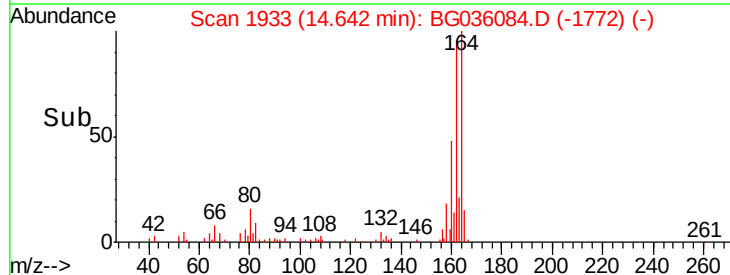
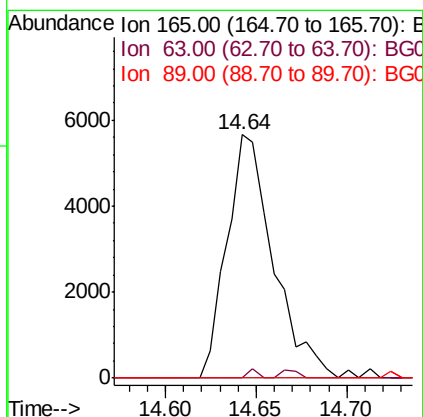
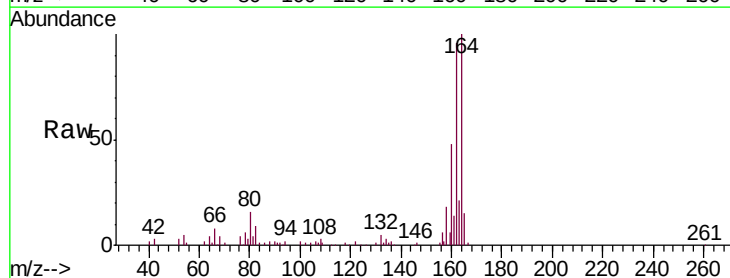
Instrument :
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 PB111703BL

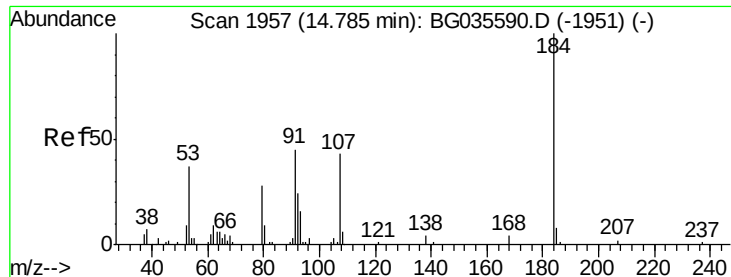
Tgt Ion:172 Resp: 557484
 Ion Ratio Lower Upper
 172 100
 171 34.0 30.0 45.0
 170 22.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.235 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. 0.41 min
 Lab File: BG036084.D
 Acq: 3 Aug 2018 7:50

Tgt Ion:165 Resp: 10107
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

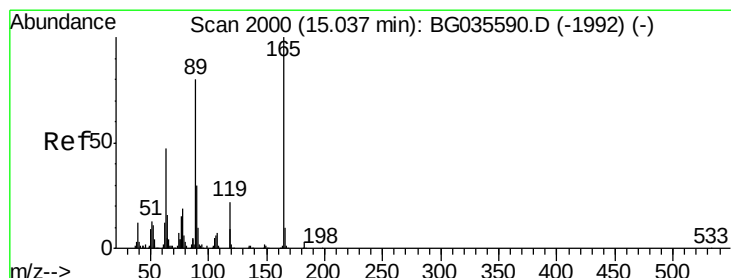
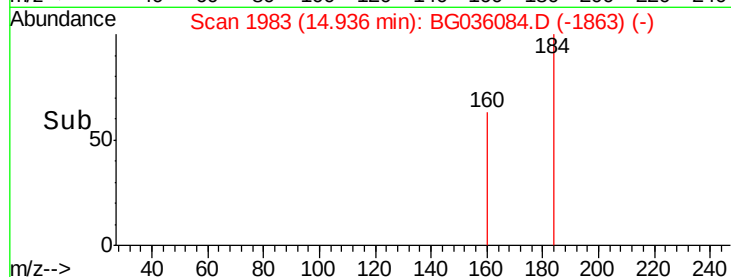
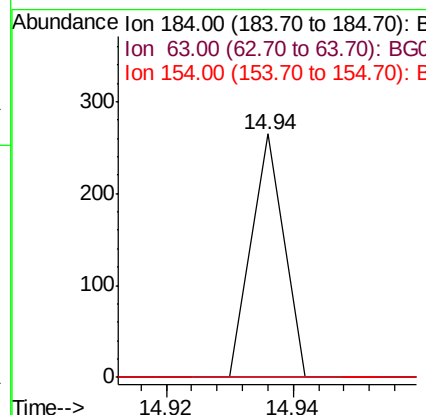
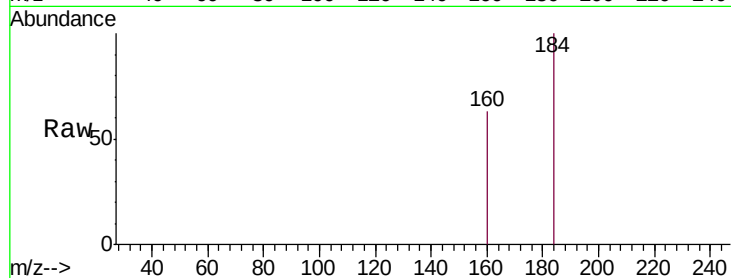




#53
 2,4-Dinitrophenol
 Concen: 6.701 ng
 RT: 14.94 min Scan# 1983
 Delta R.T. 0.17 min
 Lab File: BG036084.D
 Acq: 3 Aug 2018 7:50

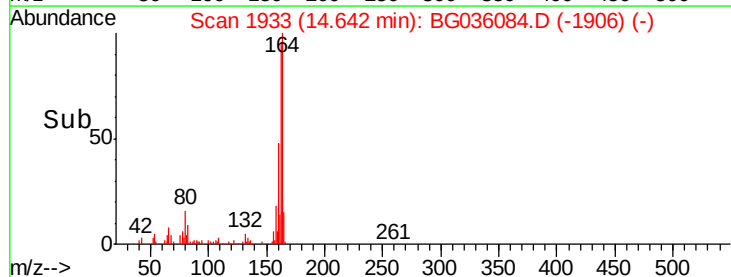
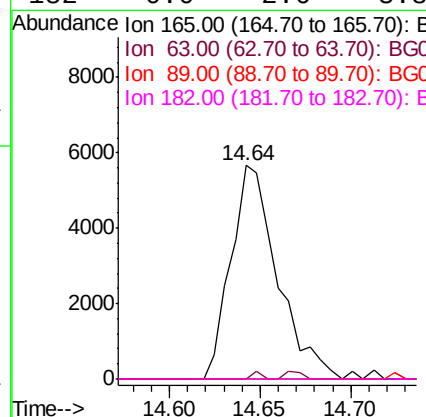
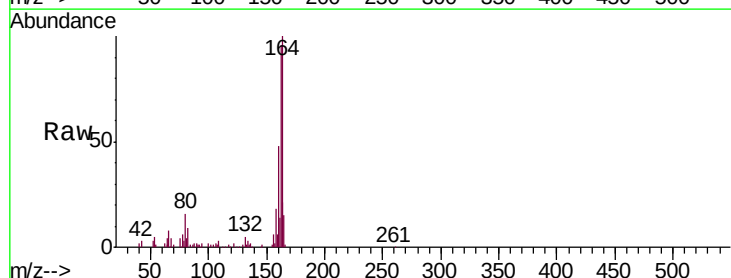
Instrument :
 BNA_G
 ClientSampleId :
 PB111703BL

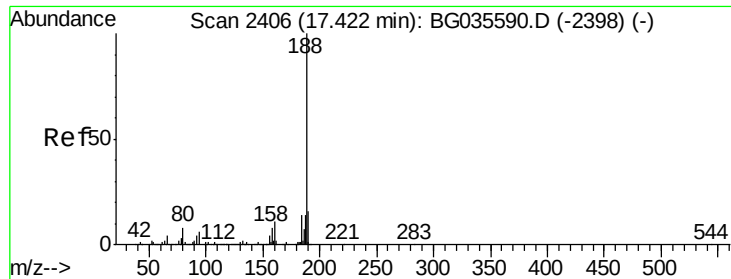
Tgt Ion:184 Resp: 93
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.043 ng
 RT: 14.64 min Scan# 1933
 Delta R.T. -0.37 min
 Lab File: BG036084.D
 Acq: 3 Aug 2018 7:50

Tgt Ion:165 Resp: 10107
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

Instrument :

BNA_G

ClientSampleId :

PB111703BL

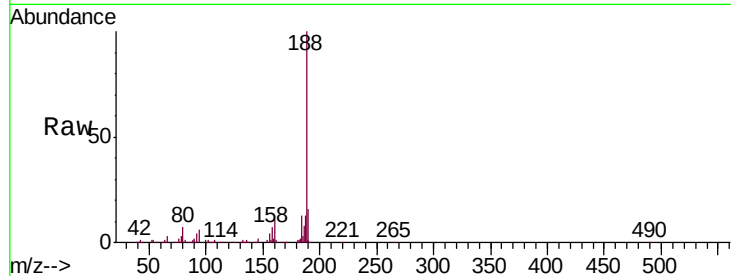
Tgt Ion:188 Resp: 230579

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

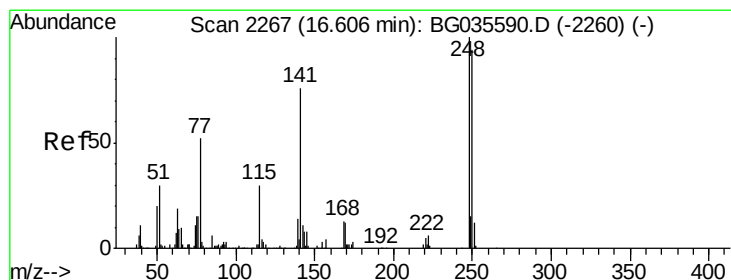
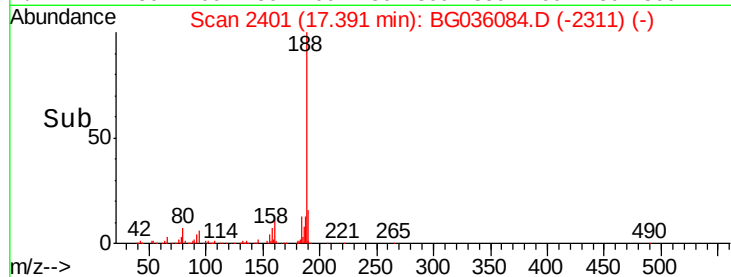
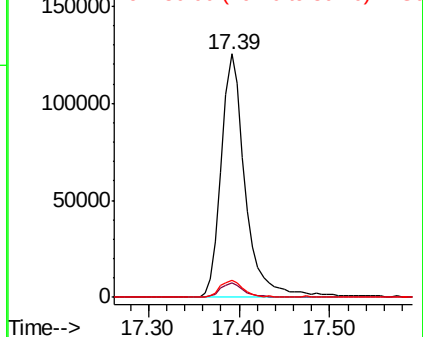
80 7.1 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#66

4-Bromophenyl-phenylether

Concen: 4.555 ng

RT: 16.13 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

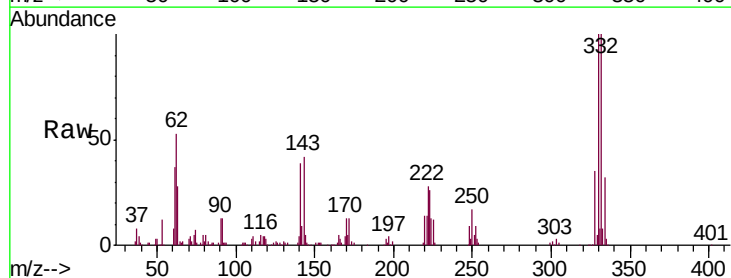
Tgt Ion:248 Resp: 12185

Ion Ratio Lower Upper

248 100

250 188.1 77.1 115.7#

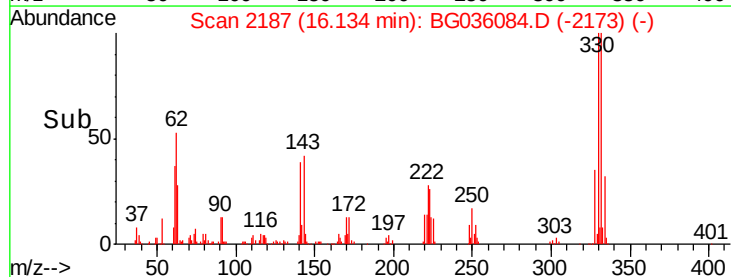
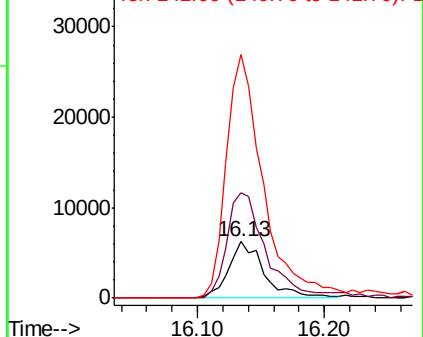
141 432.1 50.8 76.2#

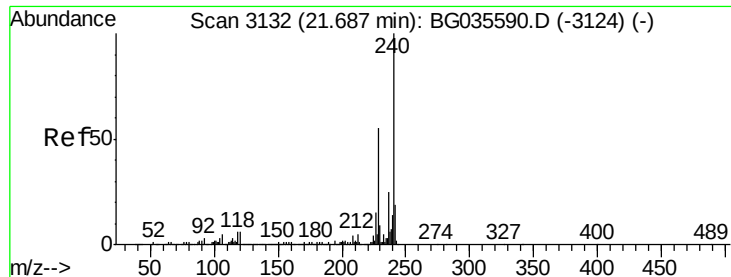


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

Instrument :

BNA_G

ClientSampleId :

PB111703BL

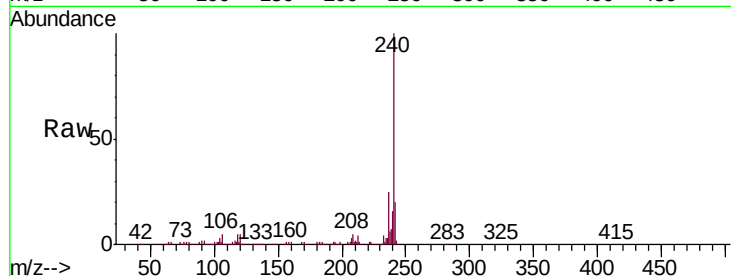
Tgt Ion:240 Resp: 268464

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

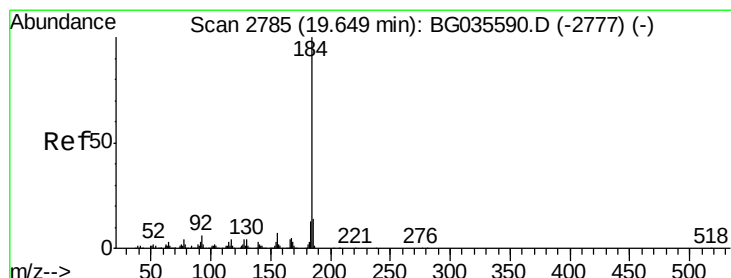
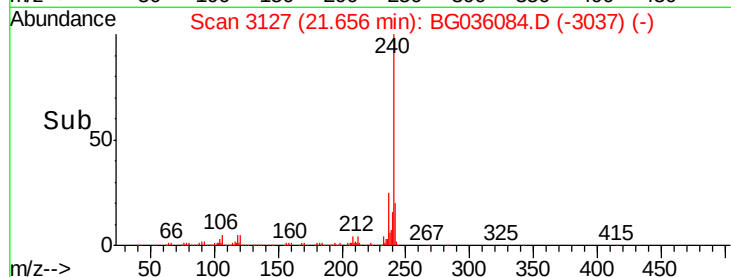
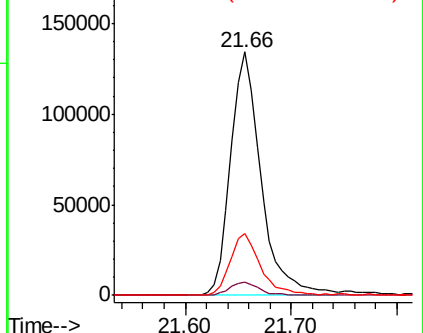
236 25.2 20.9 31.3



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: 2.766 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

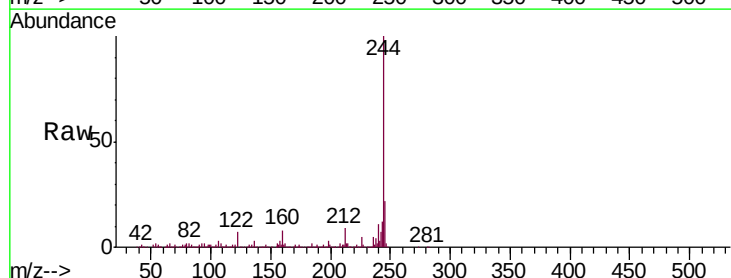
Tgt Ion:184 Resp: 19520

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

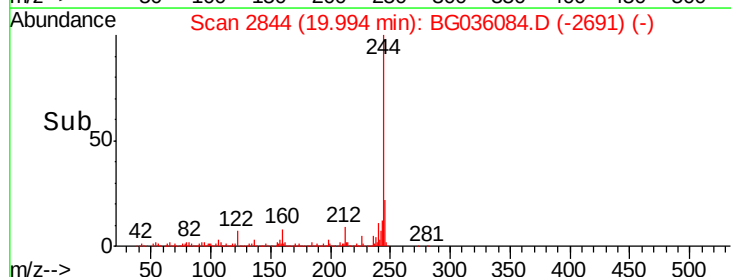
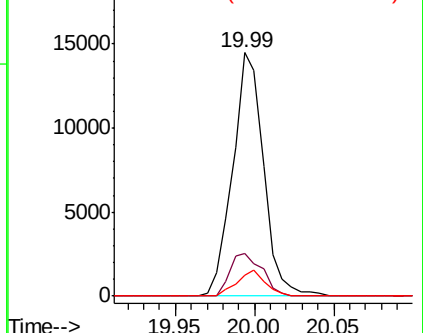
183 8.8 10.6 16.0#

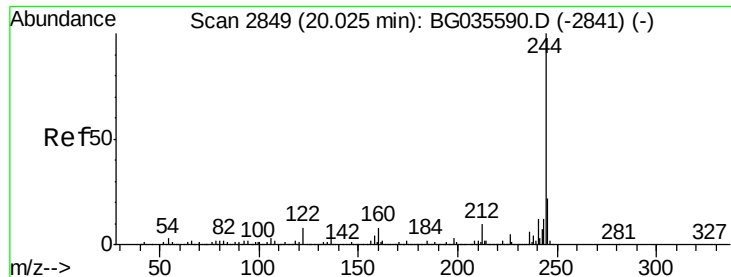


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.251 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

Instrument :

BNA_G

ClientSampleId :

PB111703BL

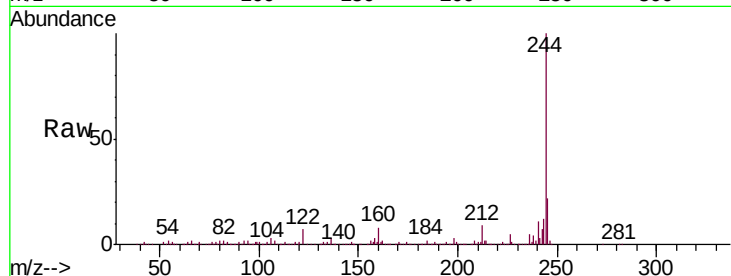
Tgt Ion:244 Resp: 1220969

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

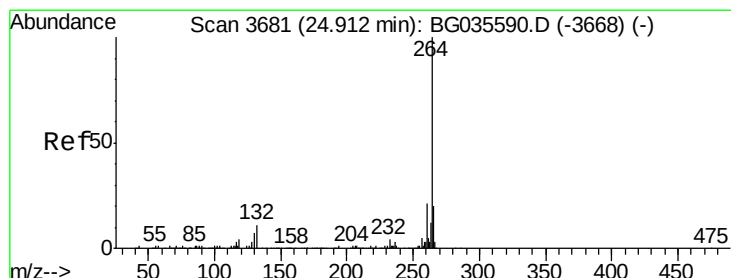
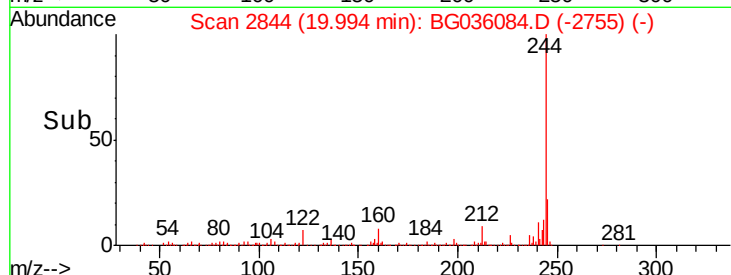
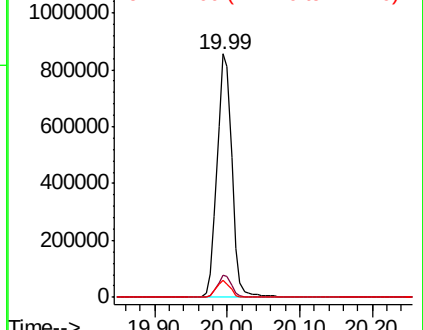
122 7.0 7.0 10.4



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: 24.85 min Scan# 3671

Delta R.T. -0.01 min

Lab File: BG036084.D

Acq: 3 Aug 2018 7:50

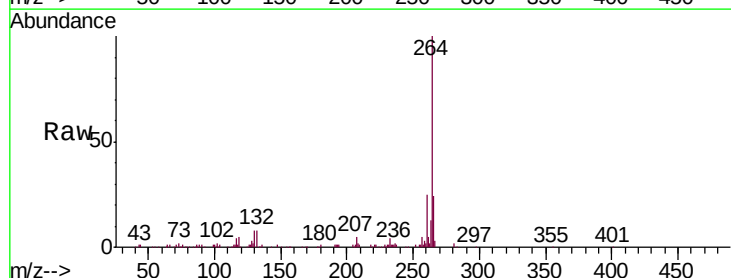
Tgt Ion:264 Resp: 242658

Ion Ratio Lower Upper

264 100

260 25.3 17.4 26.0

265 24.0 17.7 26.5



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

