

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG082318\
 Data File : BG036365.D
 Acq On : 23 Aug 2018 5:42
 Operator : JU/SJ
 Sample : PB112219BL
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB112219BL

Quant Time: Aug 23 12:31:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG082318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 23 12:07:02 2018
 Response via : Initial Calibration

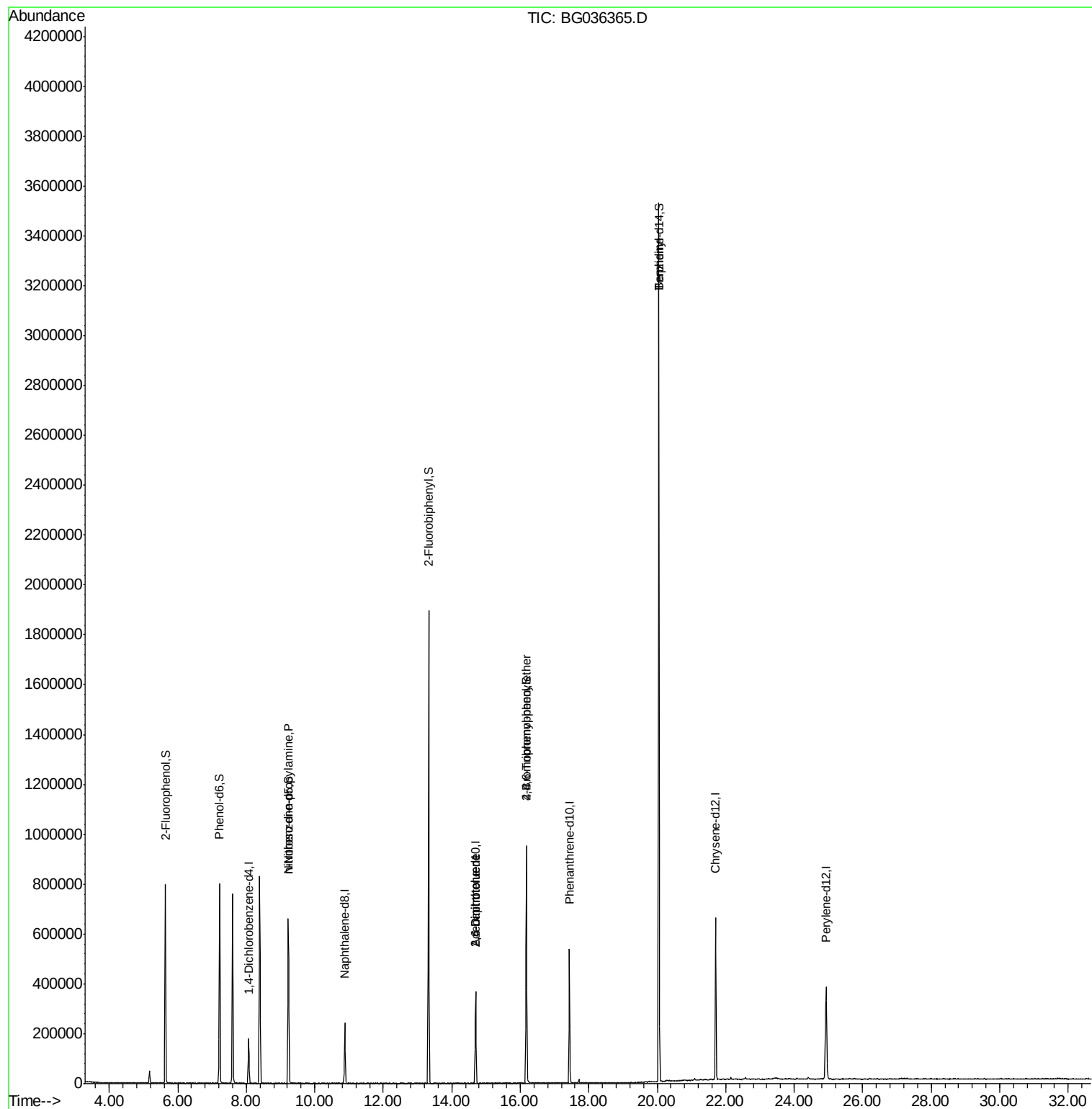
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	49360	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	196665	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	126317	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	331297	20.00	ng	0.00
75) Chrysene-d12	21.71	240	394591	20.00	ng	0.00
86) Perylene-d12	24.93	264	400512	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	326889	105.05	ng	0.00
7) Phenol-d6	7.22	99	455986	102.35	ng	0.00
23) Nitrobenzene-d5	9.23	82	400336	110.45	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	166149	110.23	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	934255	105.60	ng	0.00
78) Terphenyl-d14	20.05	244	1620695	96.00	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	53625	16.106	ng	# 72
50) 2,6-Dinitrotoluene	14.70	165	16653	7.846	ng	# 24
56) 2,4-Dinitrotoluene	14.70	165	16653	6.020	ng	# 22
66) 4-Bromophenyl-phenylether	16.18	248	12052	3.107	ng	# 1
76) Benzidine	20.05	184	28980	2.302	ng	# 93

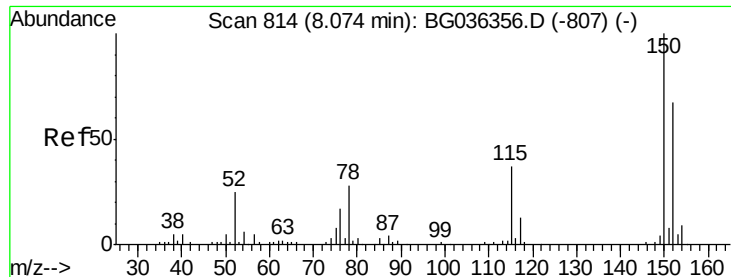
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 23 12:07:02 2018
Response via : Initial Calibration

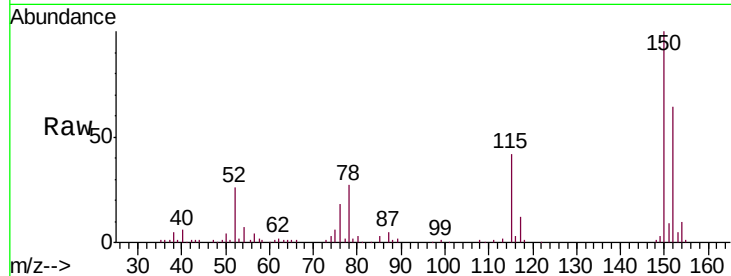




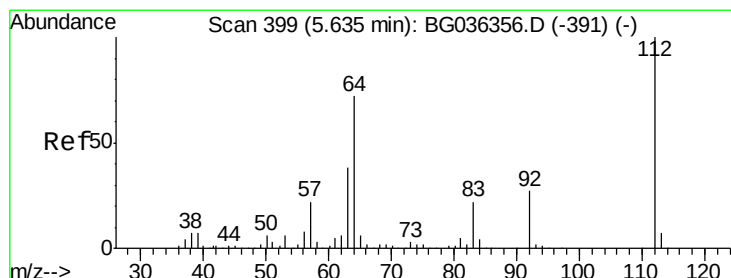
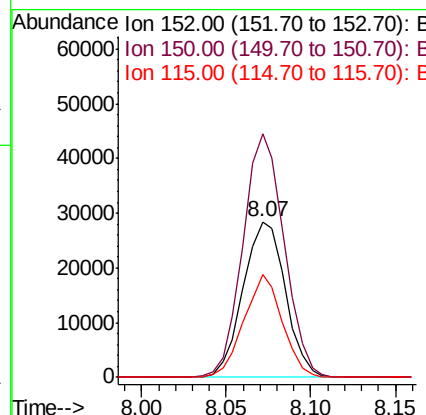
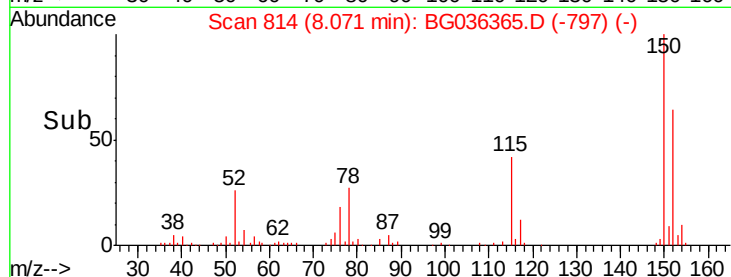
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

Instrument :
 BNA_G
 ClientSampleId :
 PB112219BL

Tgt Ion:152 Resp: 49360
 Ion Ratio Lower Upper
 152 100
 150 156.3 119.5 179.3
 115 66.3 44.5 66.7

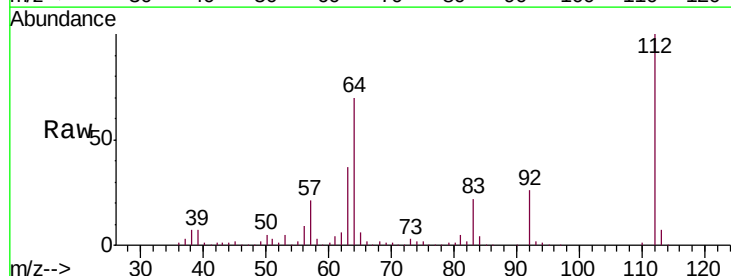


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

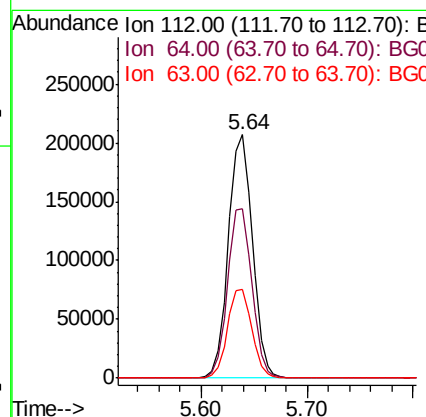
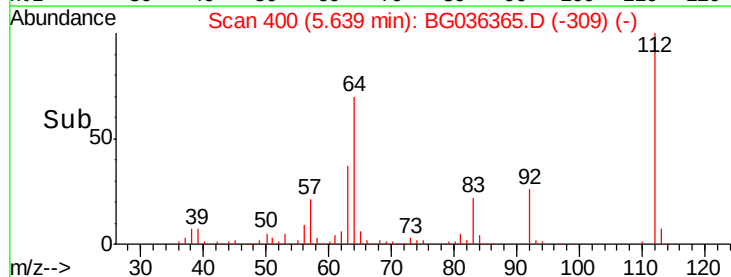


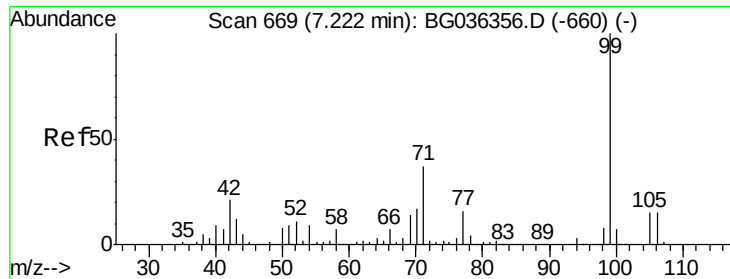
#5
 2-Fluorophenol
 Concen: 105.053 ng
 RT: 5.64 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

Tgt Ion:112 Resp: 326889
 Ion Ratio Lower Upper
 112 100
 64 69.7 57.2 85.8
 63 36.6 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: 102.351 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG036365.D

Acq: 23 Aug 2018 5:42

Instrument :

BNA_G

ClientSampleId :

PB112219BL

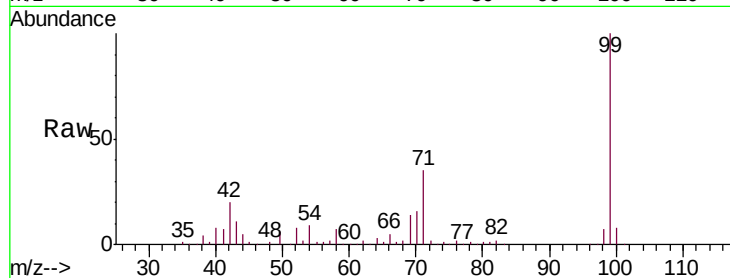
Tgt Ion: 99 Resp: 455986

Ion Ratio Lower Upper

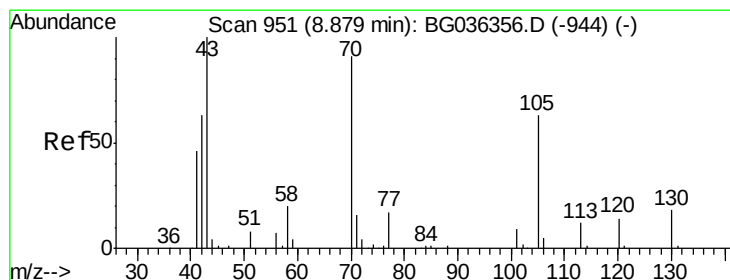
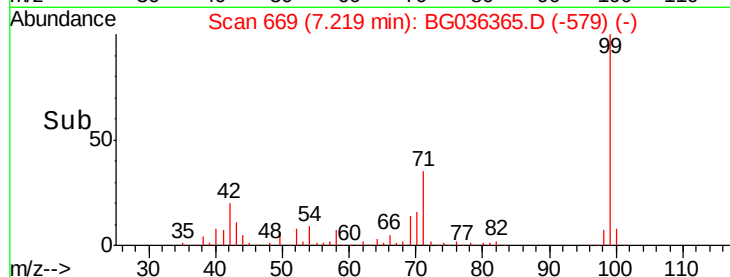
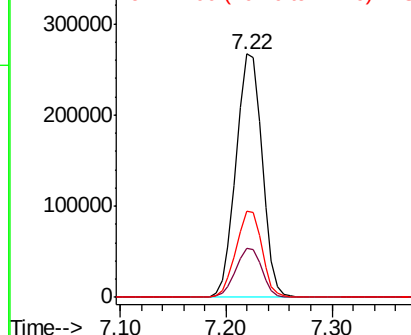
99 100

42 20.4 16.5 24.7

71 35.1 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: 16.106 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG036365.D

Acq: 23 Aug 2018 5:42

Tgt Ion: 70 Resp: 53625

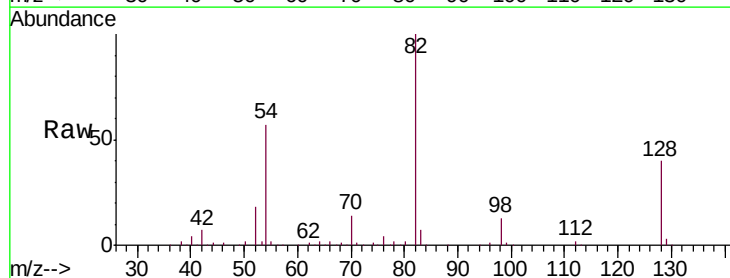
Ion Ratio Lower Upper

70 100

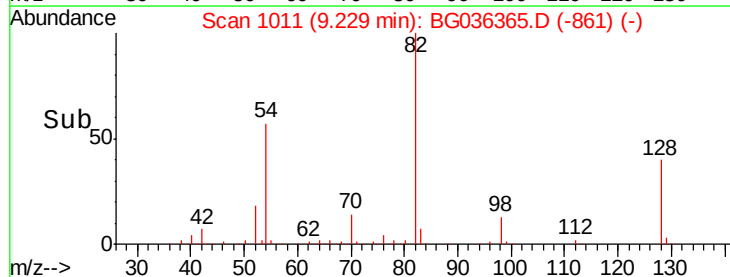
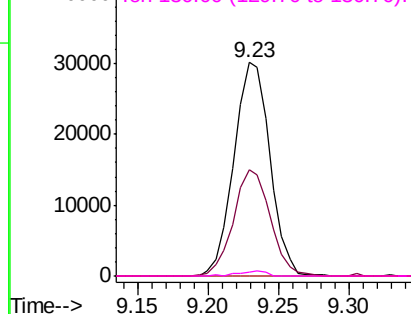
42 49.5 56.2 84.4#

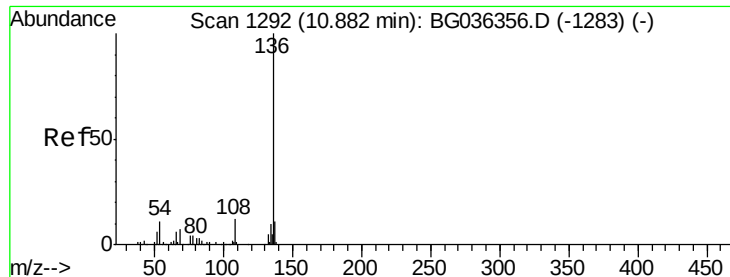
101 0.0 7.8 11.6#

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

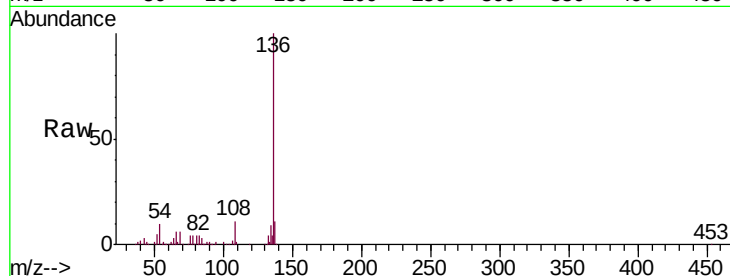




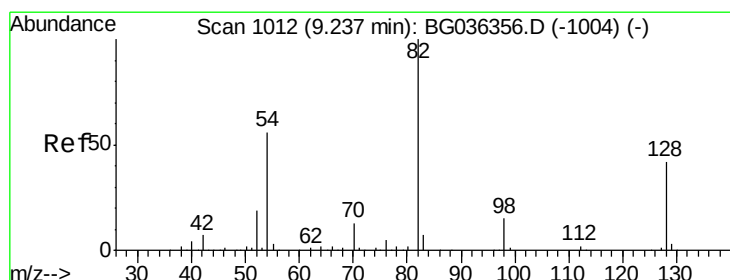
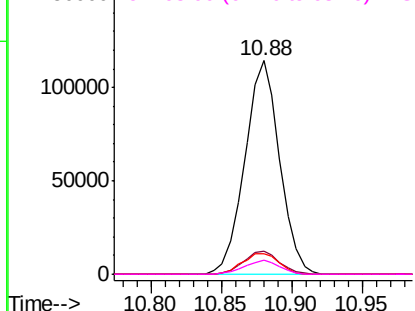
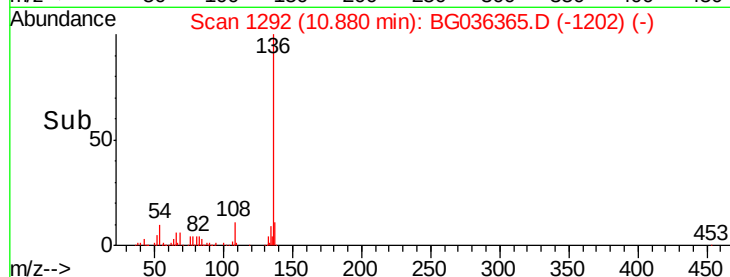
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG036365.D
Acq: 23 Aug 2018 5:42

Instrument :
BNA_G
ClientSampleId :
PB112219BL

Tgt Ion:	136	Resp:	196665
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.6	9.2	13.8
68	6.4	5.8	8.6

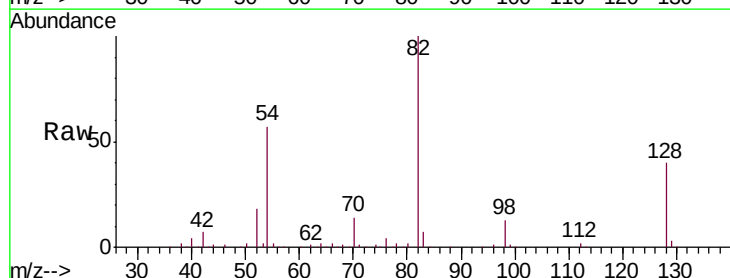


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

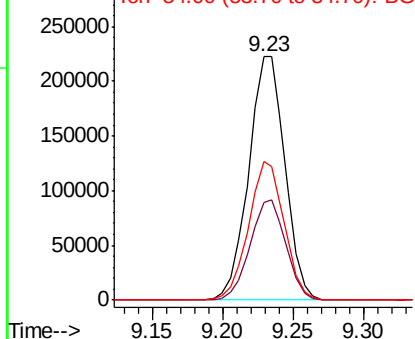
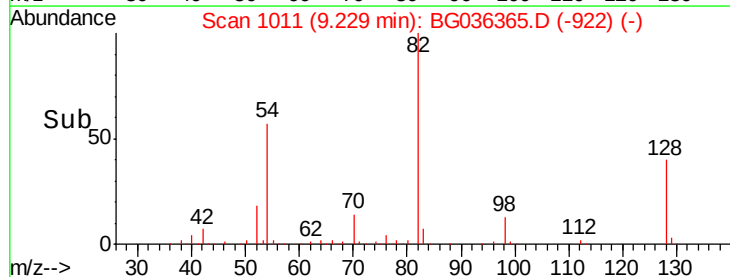


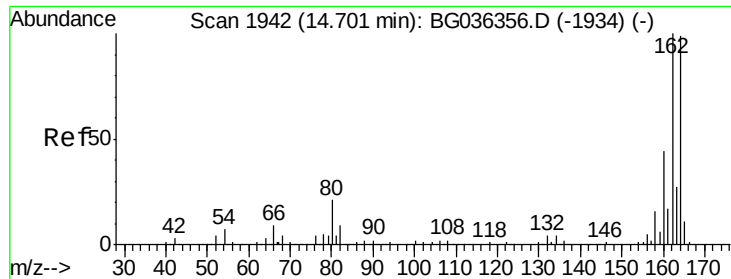
#23
Nitrobenzene-d5
Concen: 110.446 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG036365.D
Acq: 23 Aug 2018 5:42

Tgt Ion:	82	Resp:	400336
Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.3	49.9
54	56.8	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: 14.69 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG036365.D

Acq: 23 Aug 2018 5:42

Instrument :

BNA_G

ClientSampleId :

PB112219BL

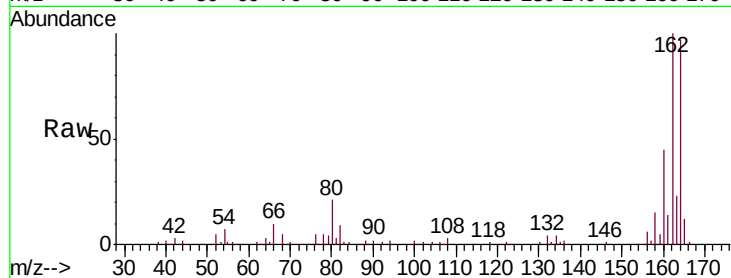
Tgt Ion:164 Resp: 126317

Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

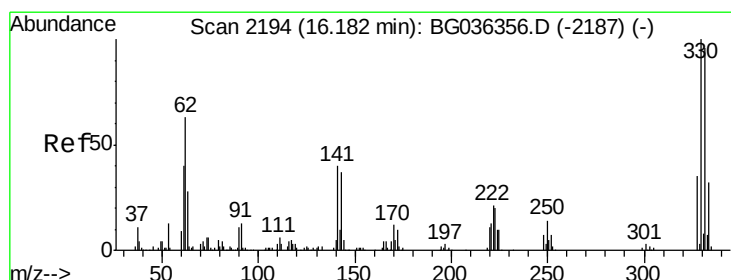
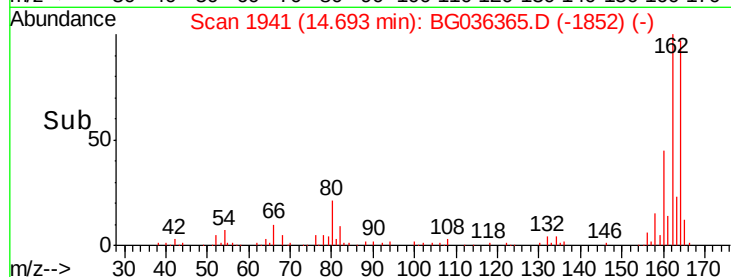
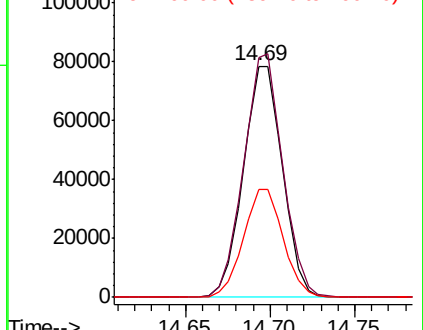
160 46.8 35.3 52.9



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: 110.234 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BG036365.D

Acq: 23 Aug 2018 5:42

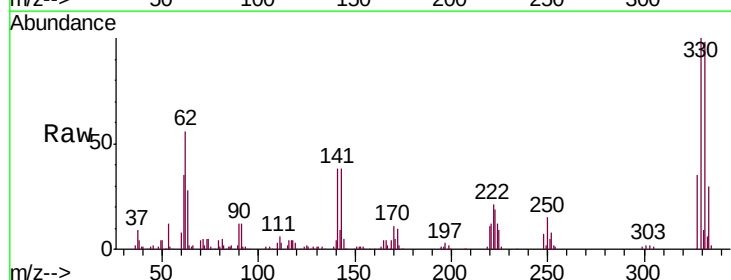
Tgt Ion:330 Resp: 166149

Ion Ratio Lower Upper

330 100

332 96.3 75.4 113.2

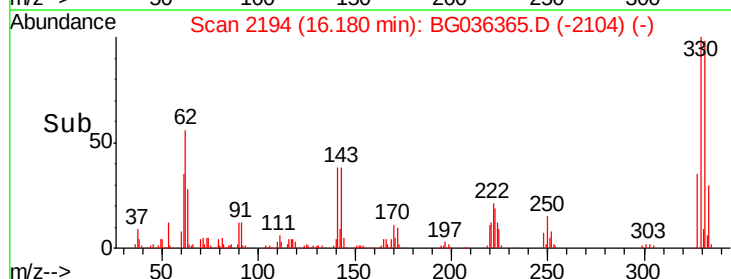
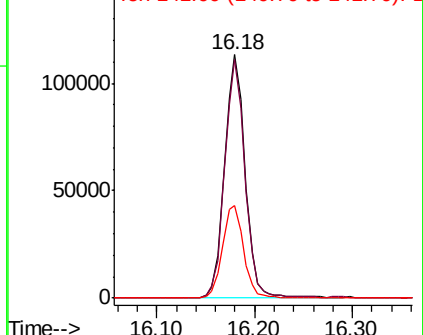
141 39.2 30.7 46.1

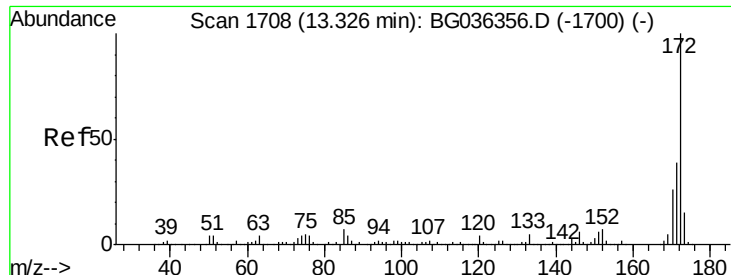


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

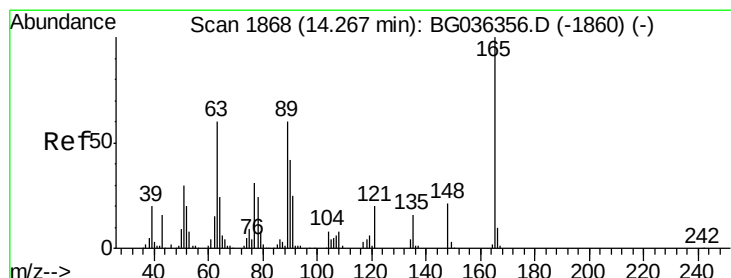
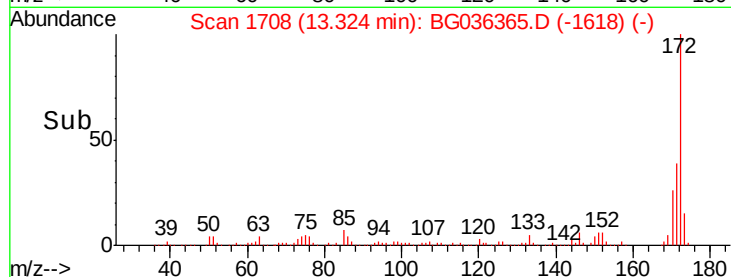
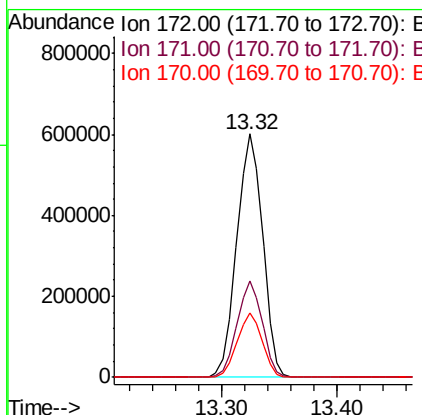
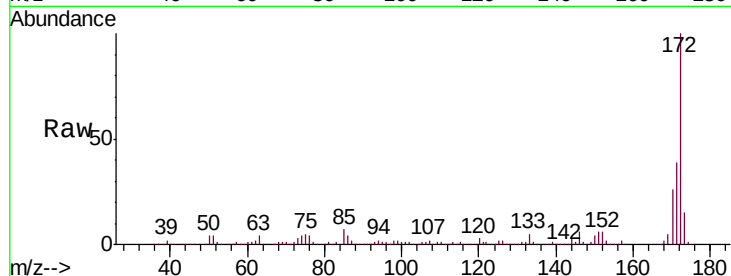




#44
 2-Fluorobiphenyl
 Concen: 105.603 ng
 RT: 13.32 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

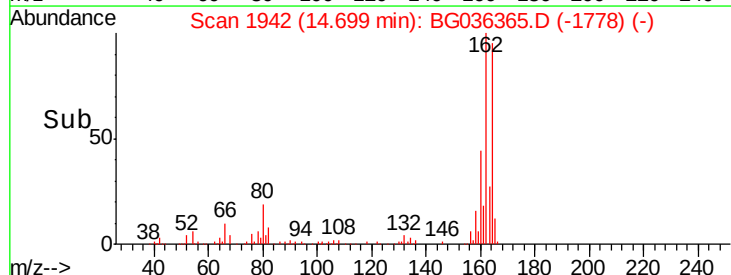
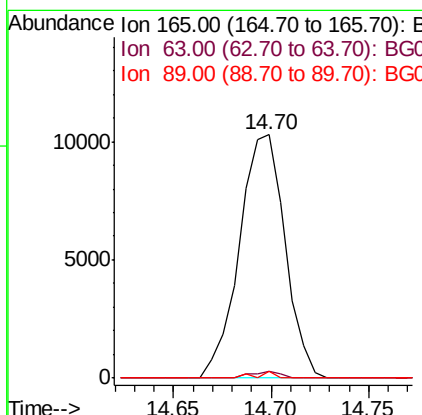
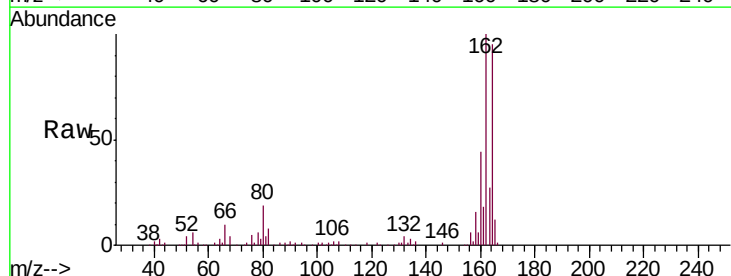
Instrument :
 BNA_G
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 PB112219BL

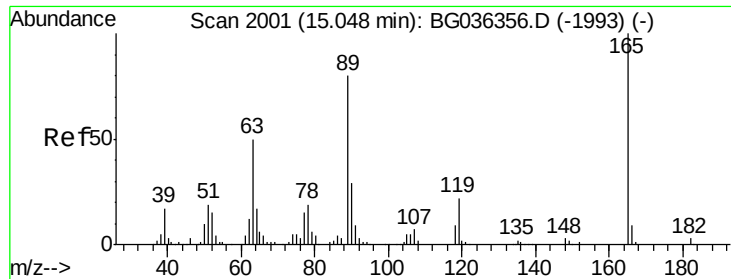
Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	31.3	46.9
170	26.3	21.0	31.6



#50
 2,6-Dinitrotoluene
 Concen: 7.846 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.43 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	50.1	75.1#
89	2.6	47.8	71.6#

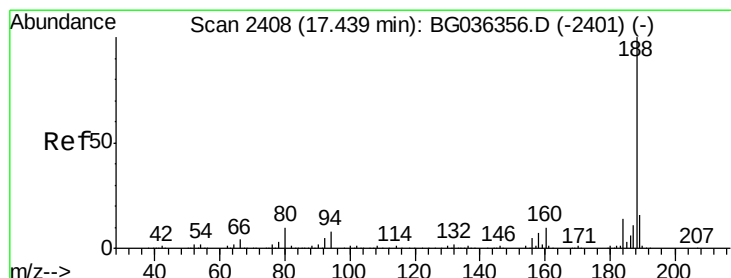
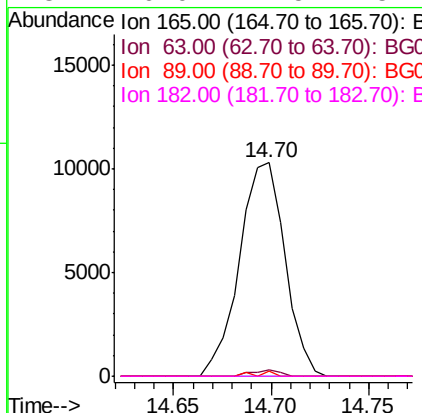
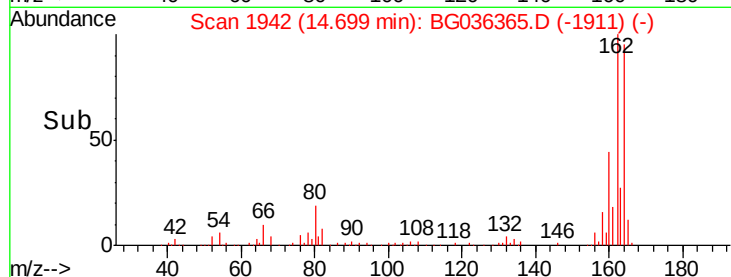
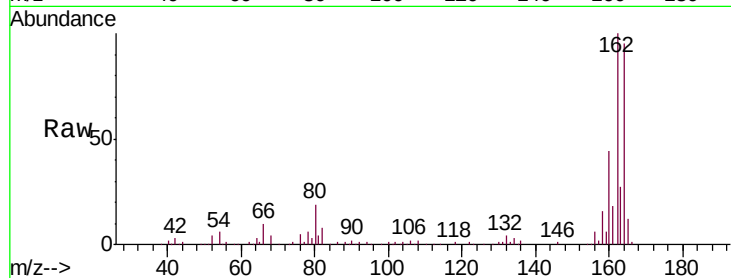




#56
 2,4-Dinitrotoluene
 Concen: 6.020 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. -0.35 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

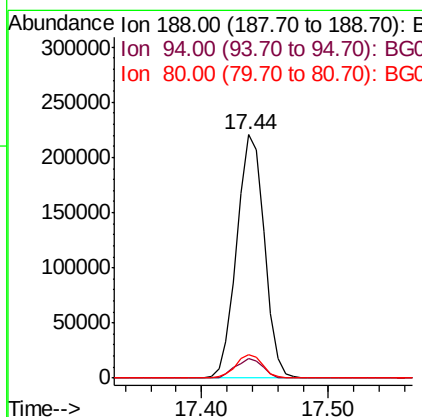
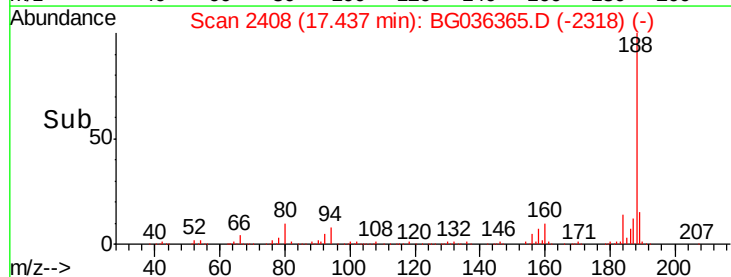
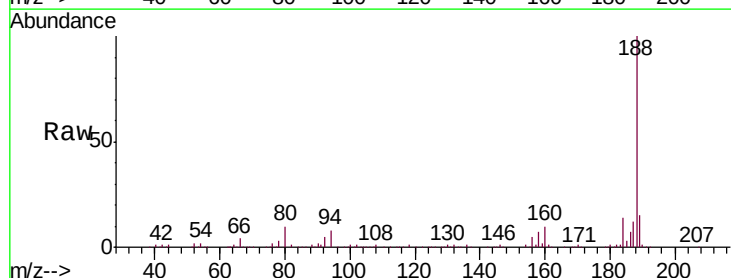
Instrument :
 BNA_G
 ClientSampleId :
 PB112219BL

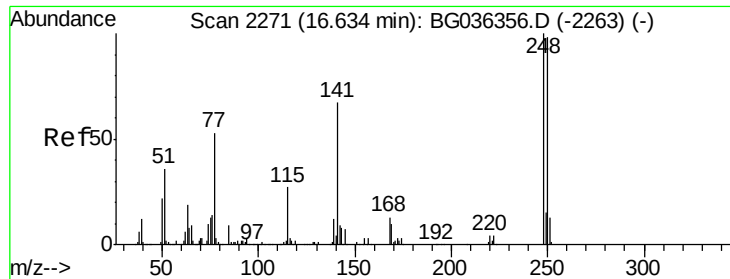
Tgt Ion:	165	Resp:	16653
Ion	Ratio	Lower	Upper
165	100		
63	3.0	40.1	60.1#
89	2.6	63.7	95.5#
182	0.0	2.5	3.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2408
 Delta R.T. -0.00 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

Tgt Ion:	188	Resp:	331297
Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.8	8.1	12.1

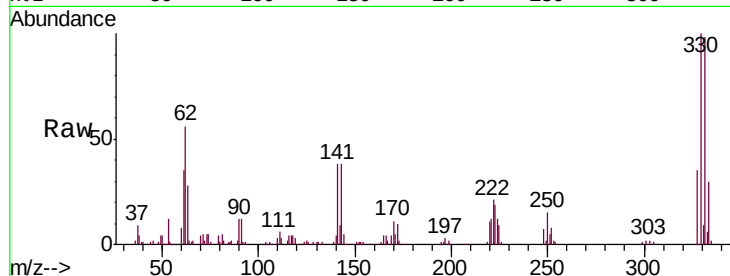




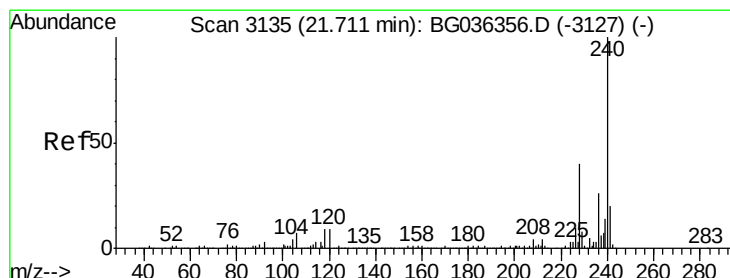
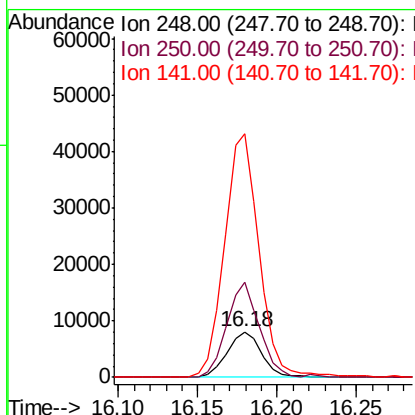
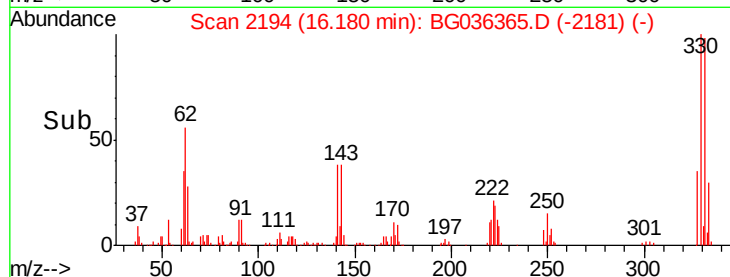
#66
 4-Bromophenyl-phenylether
 Concen: 3.107 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.45 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

Instrument :
 BNA_G
 ClientSampleId :
 PB112219BL

Tgt Ion:248 Resp: 12052
 Ion Ratio Lower Upper
 248 100
 250 207.4 78.1 117.1#
 141 532.4 53.7 80.5#

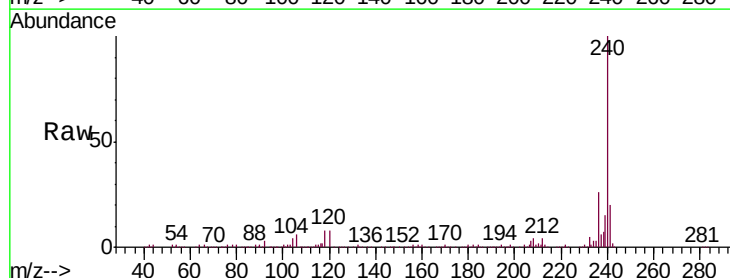


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

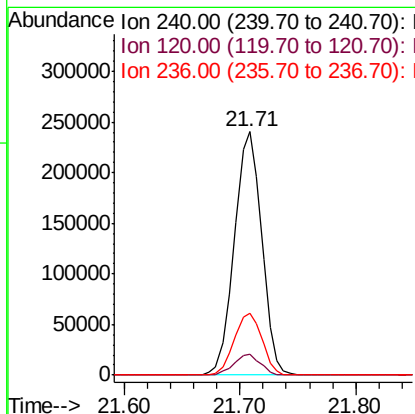
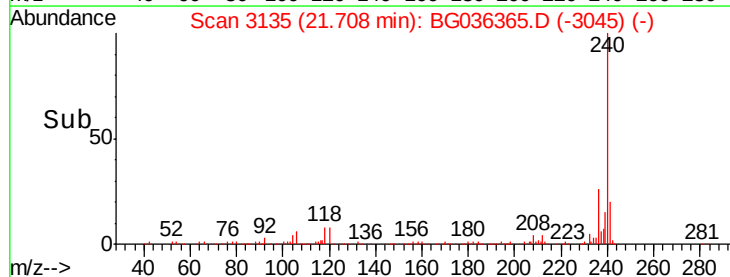


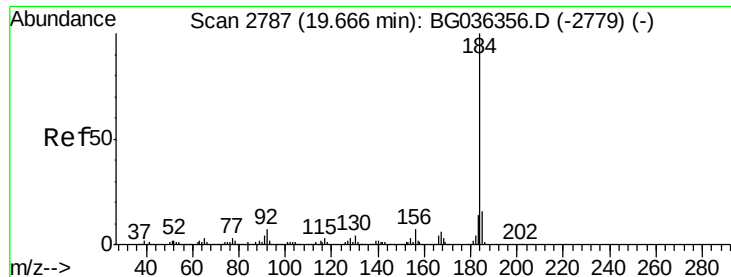
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3135
 Delta R.T. -0.00 min
 Lab File: BG036365.D
 Acq: 23 Aug 2018 5:42

Tgt Ion:240 Resp: 394591
 Ion Ratio Lower Upper
 240 100
 120 8.4 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





#76

Benzidine

Concen: 2.302 ng

RT: 20.05 min Scan# 2853

Delta R.T. 0.39 min

Lab File: BG036365.D

Acq: 23 Aug 2018 5:42

Instrument :

BNA_G

ClientSampleId :

PB112219BL

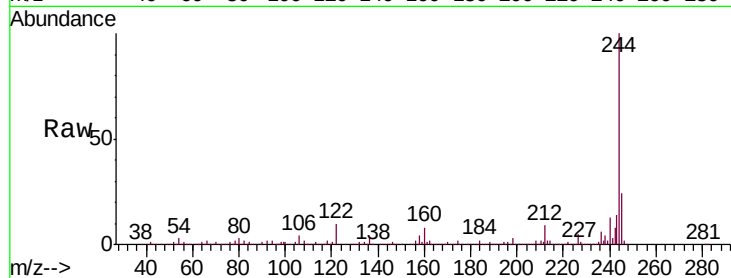
Tgt Ion:184 Resp: 28980

Ion Ratio Lower Upper

184 100

185 17.2 12.6 18.8

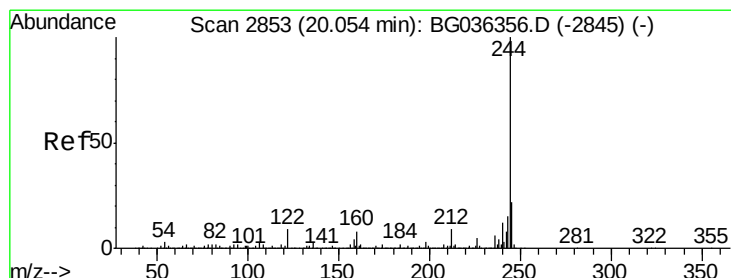
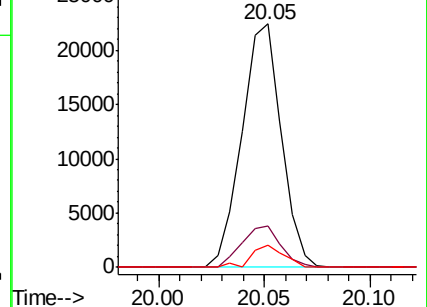
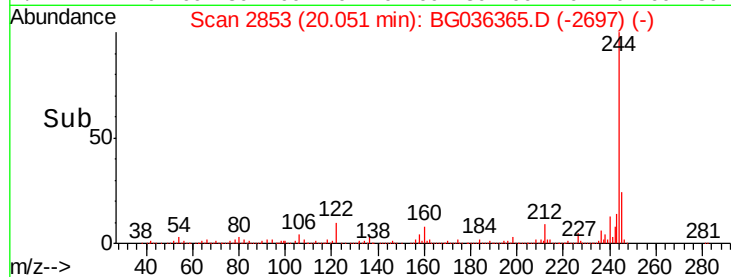
183 9.4 10.9 16.3#



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: 96.001 ng

RT: 20.05 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG036365.D

Acq: 23 Aug 2018 5:42

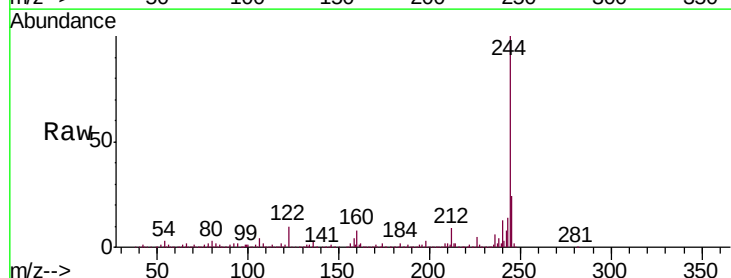
Tgt Ion:244 Resp: 1620695

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

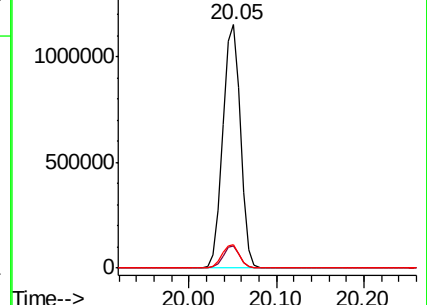
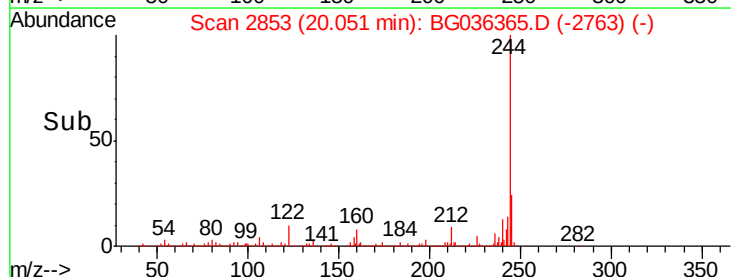
122 9.7 7.1 10.7

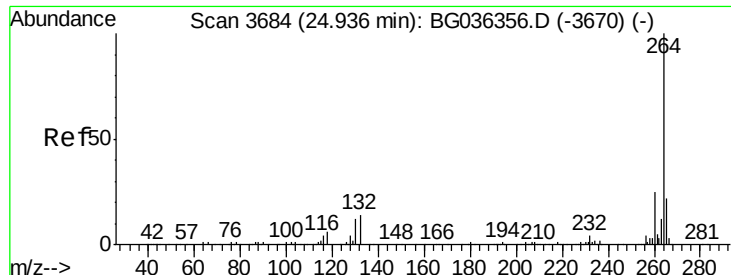


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.93 min Scan# 3683
Delta R.T. -0.01 min
Lab File: BG036365.D
Acq: 23 Aug 2018 5:42

Instrument :
BNA_G
ClientSampleId :
PB112219BL

Tgt Ion:	264	Resp:	400512
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.6	29.4
265	22.4	17.4	26.0

