

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062218\
 Data File : BG035369.D
 Acq On : 23 Jun 2018 15:28
 Operator : JU/SJ
 Sample : PB110484TB
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB110484TB

Quant Time: Jun 25 05:50:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

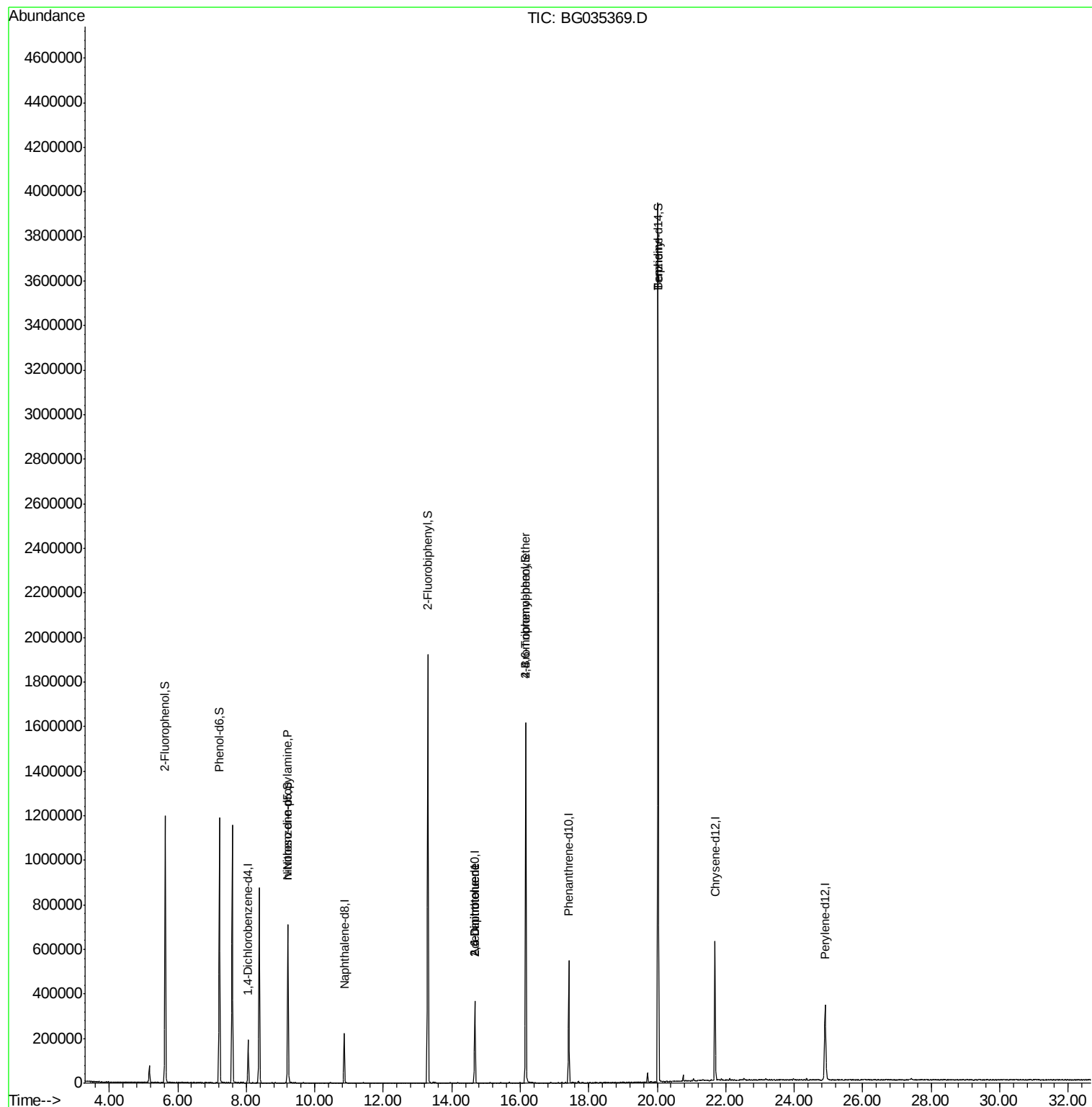
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	54944	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	192698	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	128410	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	352914	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	406289	20.00	ng	-0.03
86) Perylene-d12	24.90	264	384865	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	519192	159.47	ng	-0.01
7) Phenol-d6	7.22	99	728484	151.60	ng	0.00
23) Nitrobenzene-d5	9.22	82	464040	114.47	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	313104	190.47	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1055457	106.85	ng	-0.03
78) Terphenyl-d14	20.02	244	1909957	98.47	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	63874	15.646	ng	# 61
50) 2,6-Dinitrotoluene	14.67	165	17449	8.542	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	17449	6.430	ng	# 17
66) 4-Bromophenyl-phenylether	16.16	248	25921	6.099	ng	# 1
76) Benzidine	20.02	184	34392	2.275	ng	# 93

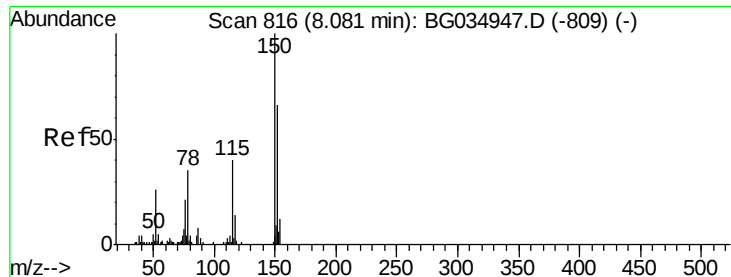
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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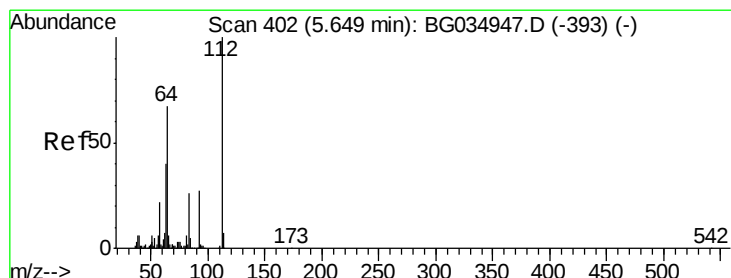
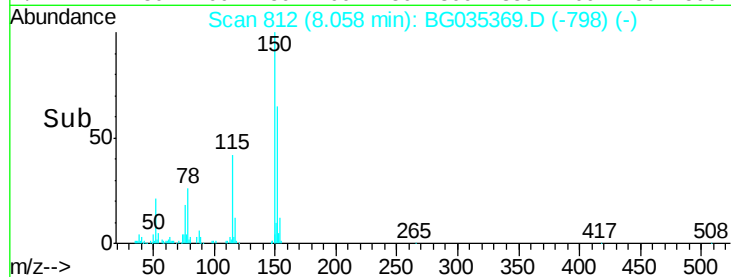
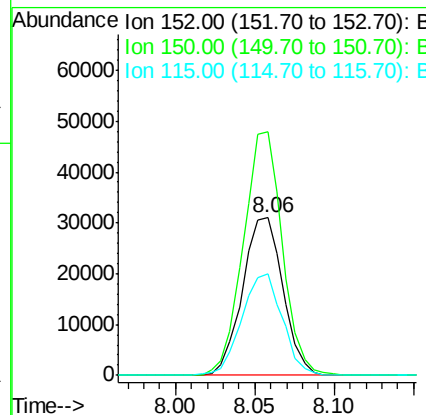
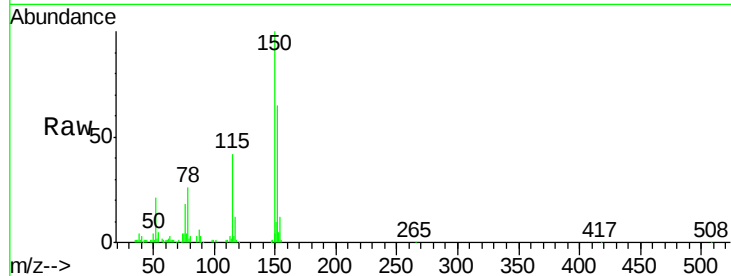


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035369.D
Acq: 23 Jun 2018 15:28

Instrument :
BNA_G
ClientSampleId :
PB110484TB

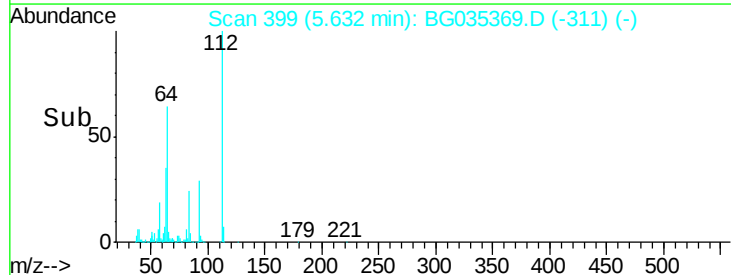
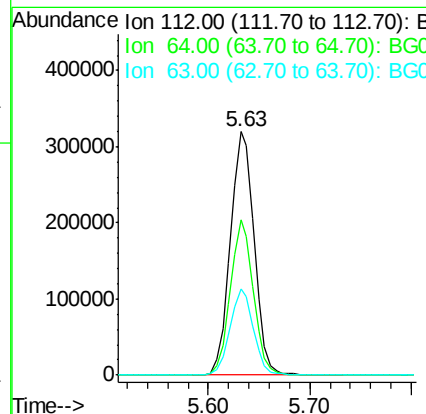
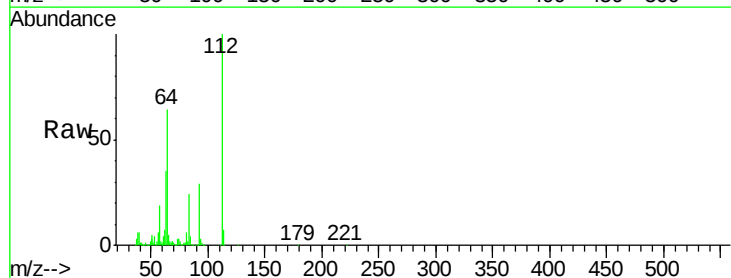
Tgt Ion:152 Resp: 54944
Ion Ratio Lower Upper
152 100
150 154.4 126.6 189.8
115 64.6 53.0 79.4

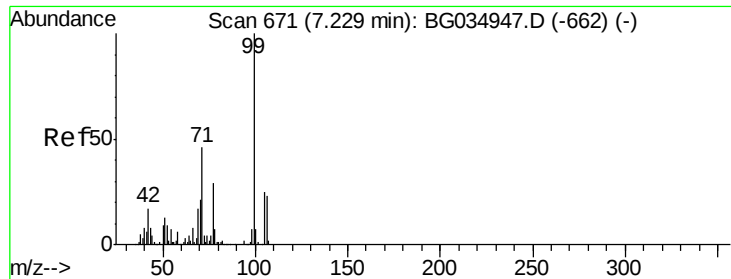


#5

2-Fluorophenol
Concen: 159.470 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035369.D
Acq: 23 Jun 2018 15:28

Tgt Ion:112 Resp: 519192
Ion Ratio Lower Upper
112 100
64 64.0 56.3 84.5
63 35.2 30.1 45.1





#7

Phenol-d6

Concen: 151.601 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

Instrument :

BNA_G

ClientSampled :

PB110484TB

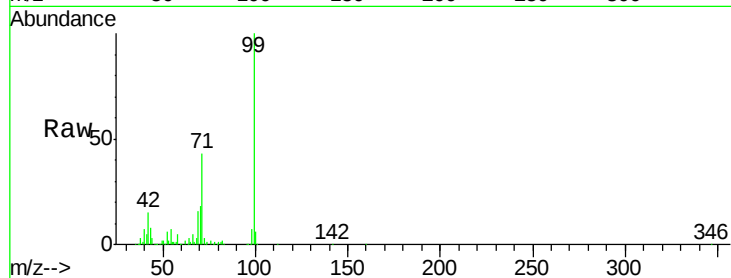
Tgt Ion: 99 Resp: 728484

Ion Ratio Lower Upper

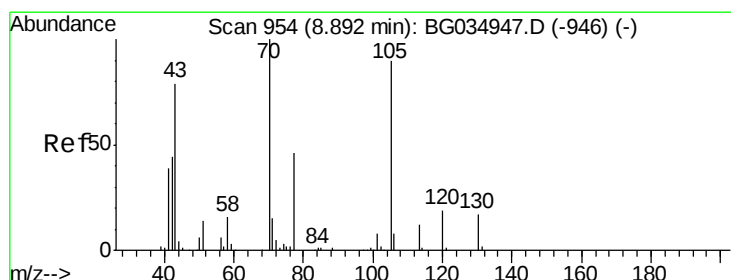
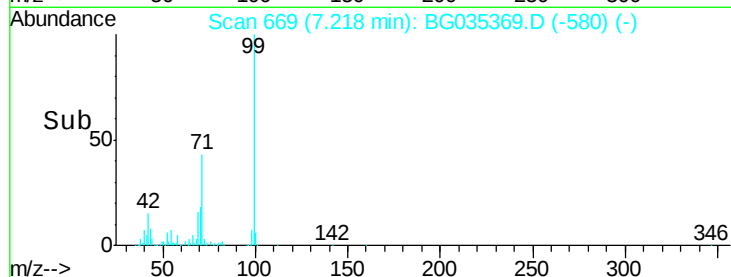
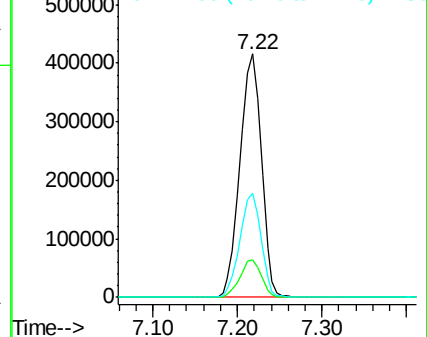
99 100

42 15.5 14.1 21.1

71 42.7 26.1 39.1#



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: 15.646 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

Tgt Ion: 70 Resp: 63874

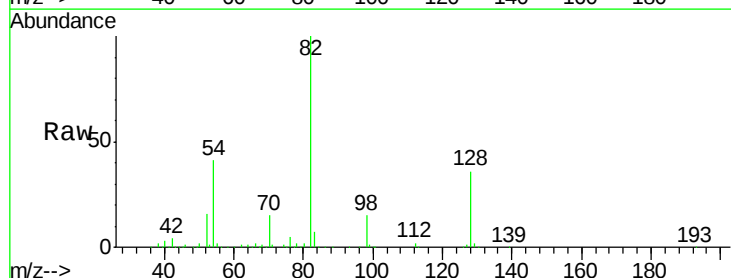
Ion Ratio Lower Upper

70 100

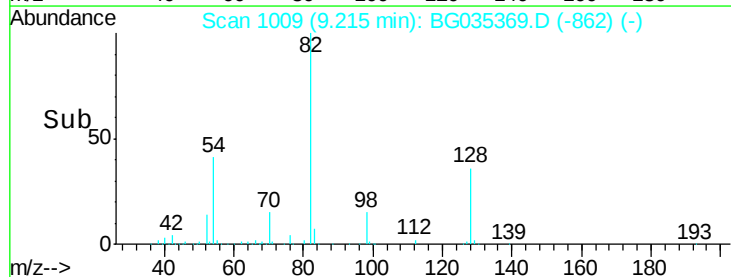
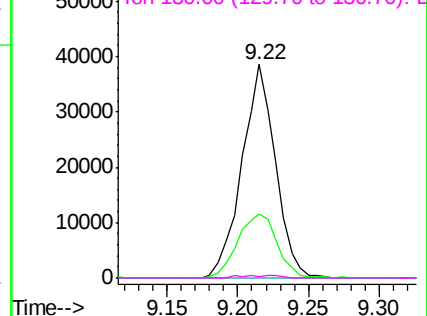
42 30.2 49.1 73.7#

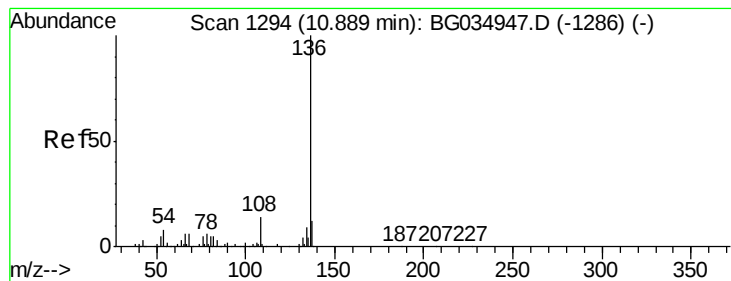
101 0.0 8.5 12.7#

130 0.7 13.4 20.0#



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: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

Instrument :

BNA_G

ClientSampleId :

PB110484TB

Tgt Ion: 136 Resp: 192698

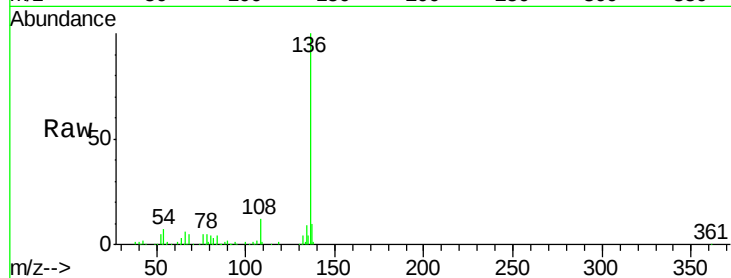
Ion Ratio Lower Upper

136 100

137 10.1 9.2 13.8

54 6.8 10.3 15.5#

68 5.1 4.5 6.7

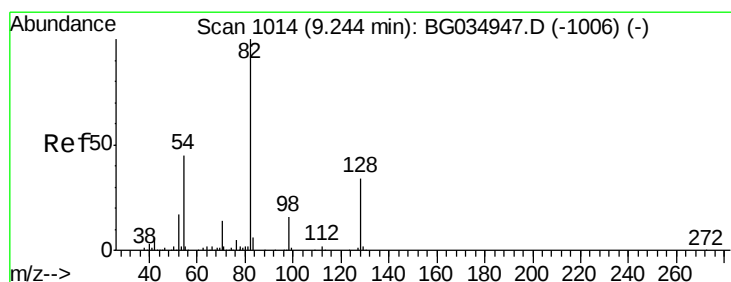
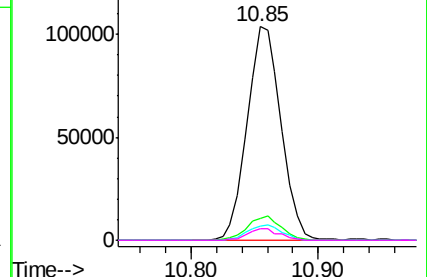
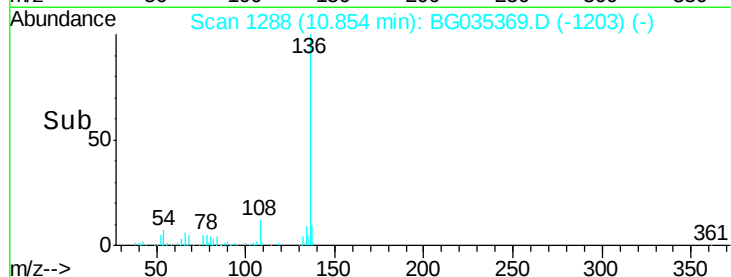


Abundance Ion 136.00 (135.70 to 136.70): E

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: 114.468 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

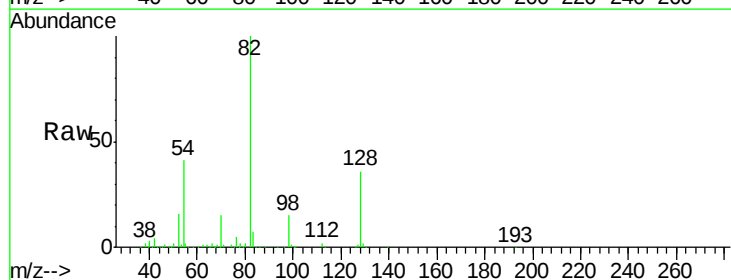
Tgt Ion: 82 Resp: 464040

Ion Ratio Lower Upper

82 100

128 35.6 29.7 44.5

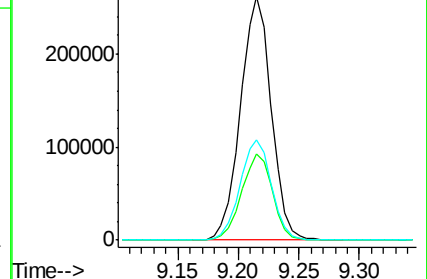
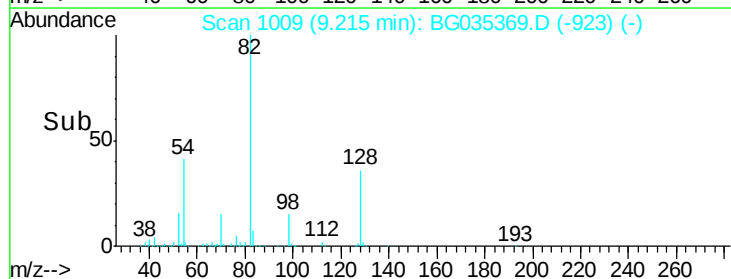
54 41.1 43.1 64.7#

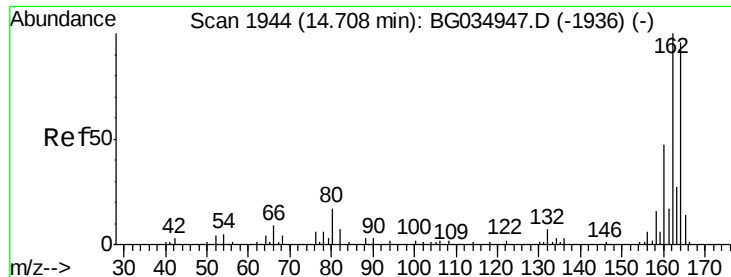


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 1938

Delta R.T. -0.02 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

Instrument :

BNA_G

ClientSampleId :

PB110484TB

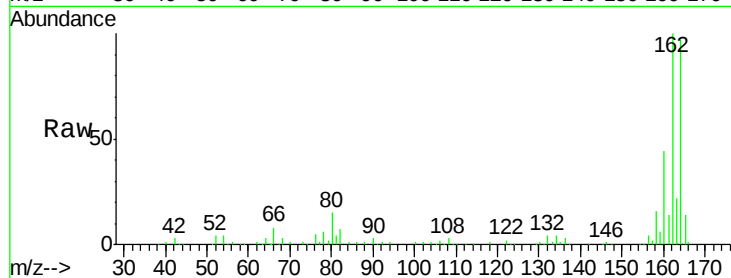
Tgt Ion:164 Resp: 128410

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

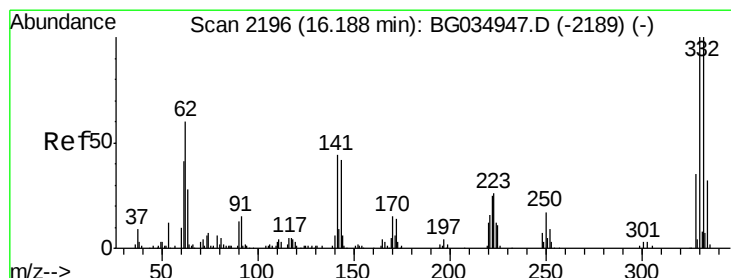
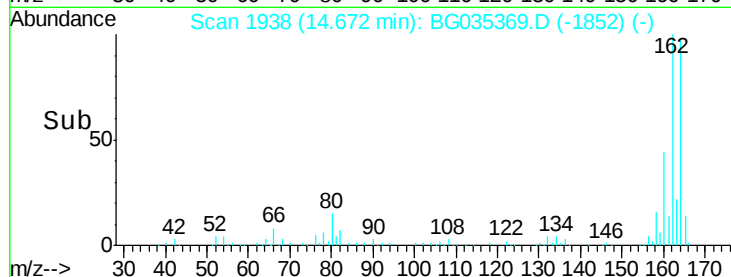
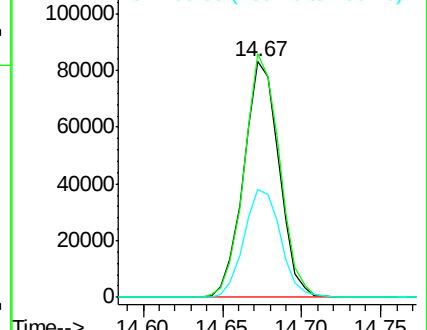
160 45.8 35.4 53.0



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: 190.474 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

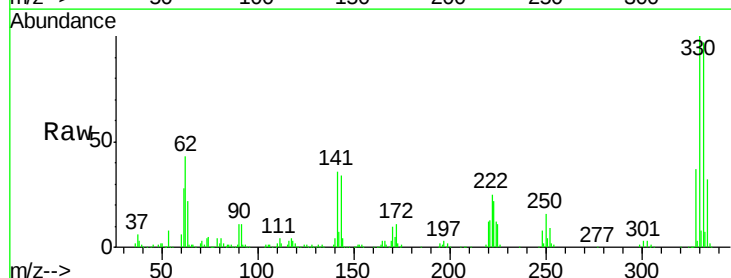
Tgt Ion:330 Resp: 313104

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

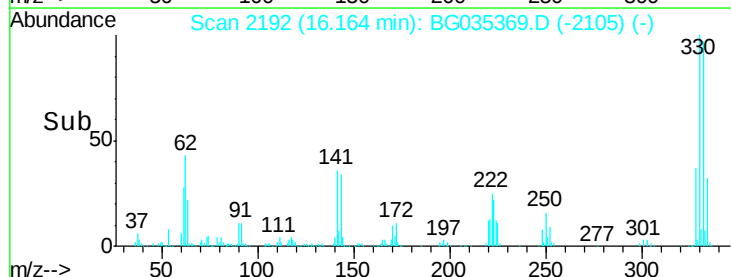
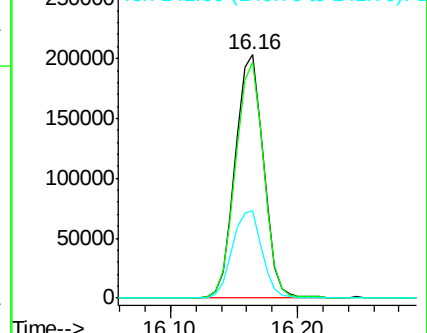
141 37.6 25.2 37.8

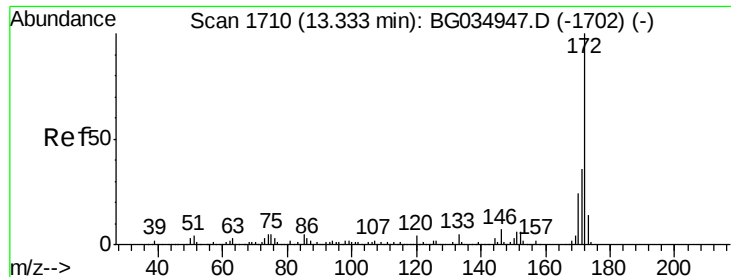


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

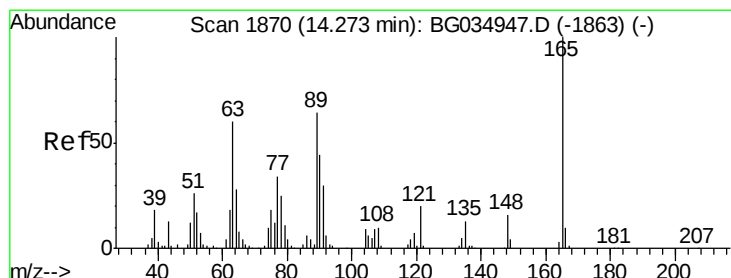
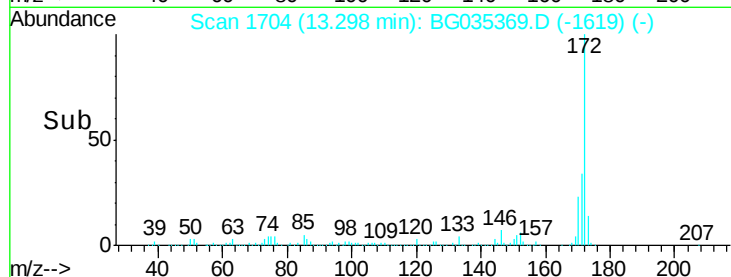
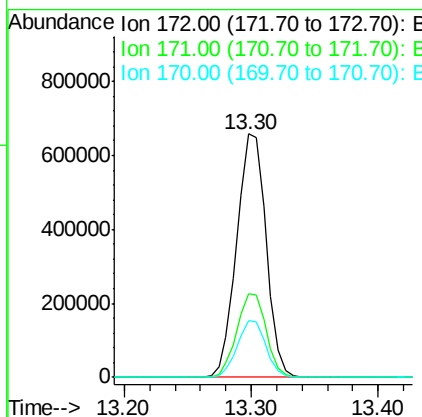
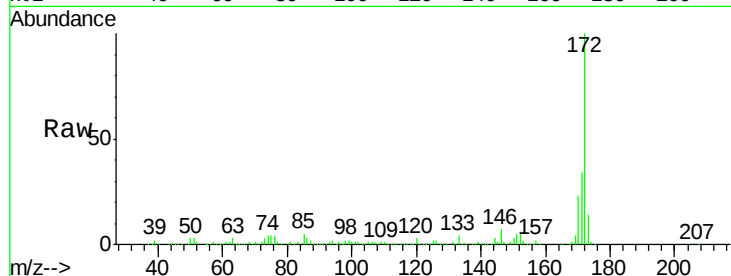




#44
 2-Fluorobiphenyl
 Concen: 106.852 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035369.D
 Acq: 23 Jun 2018 15:28

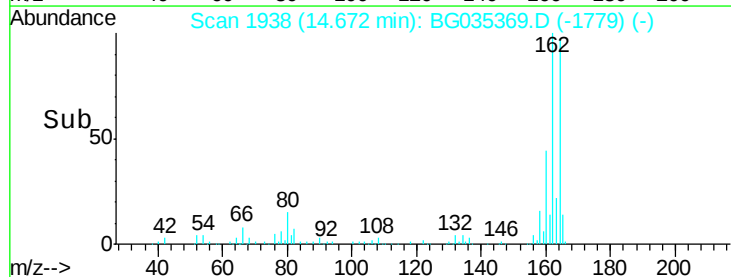
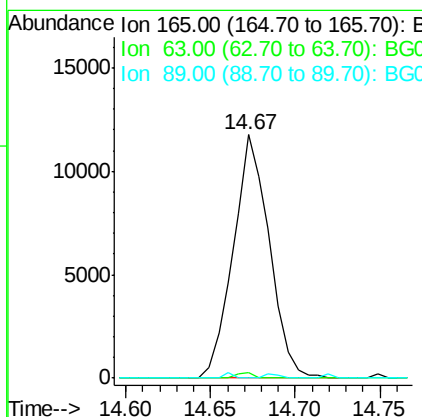
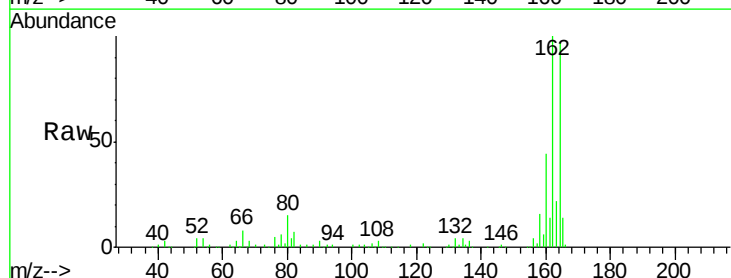
Instrument :
 BNA_G
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 PB110484TB

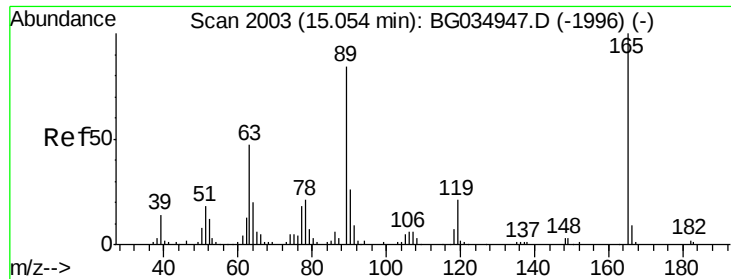
Tgt Ion:172 Resp: 1055457
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.542 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.40 min
 Lab File: BG035369.D
 Acq: 23 Jun 2018 15:28

Tgt Ion:165 Resp: 17449
 Ion Ratio Lower Upper
 165 100
 63 2.0 52.7 79.1#
 89 0.0 49.2 73.8#

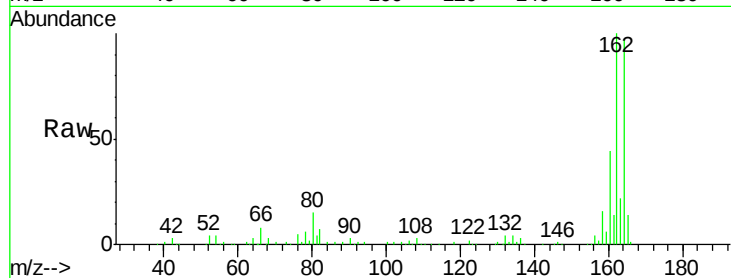




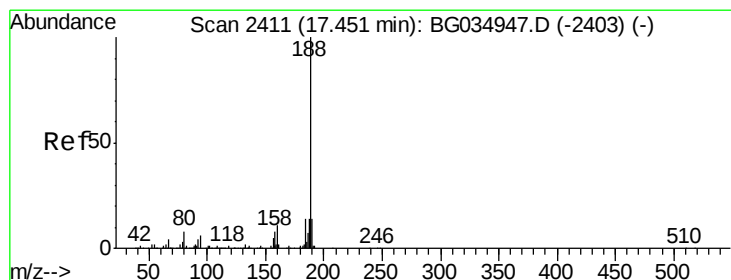
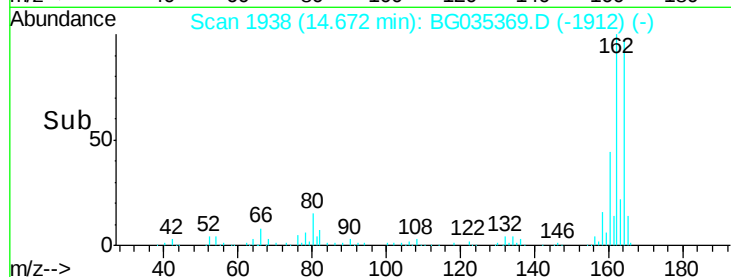
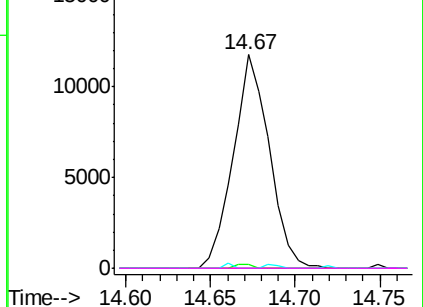
#56
 2,4-Dinitrotoluene
 Concen: 6.430 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. -0.38 min
 Lab File: BG035369.D
 Acq: 23 Jun 2018 15:28

Instrument :
 BNA_G
 ClientSampleId :
 PB110484TB

Tgt Ion:165 Resp: 17449
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

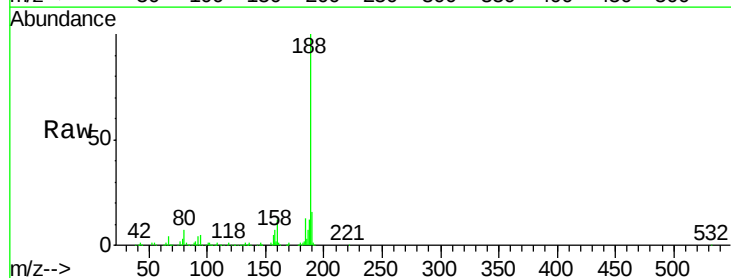


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

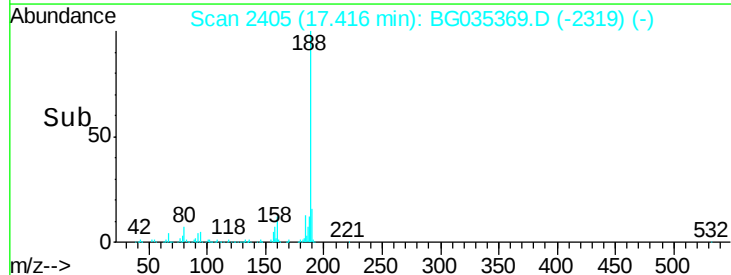
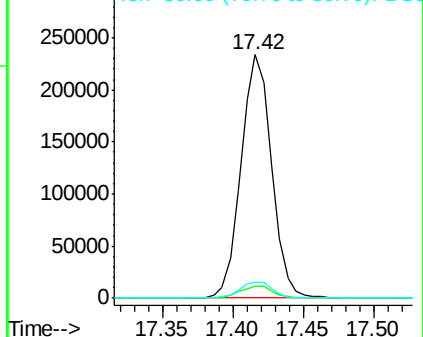


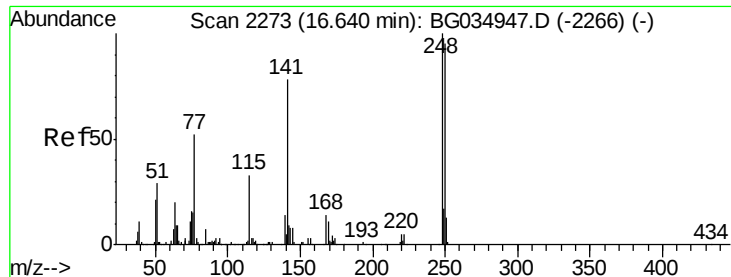
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BG035369.D
 Acq: 23 Jun 2018 15:28

Tgt Ion:188 Resp: 352914
 Ion Ratio Lower Upper
 188 100
 94 5.0 6.9 10.3#
 80 6.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

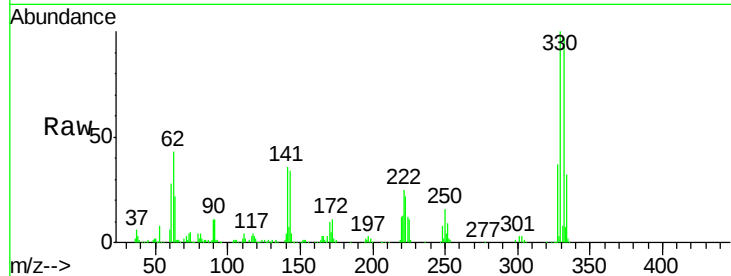




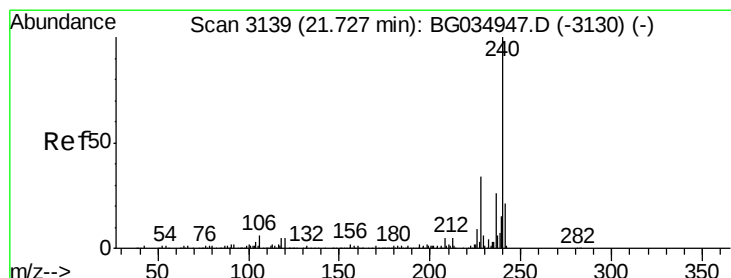
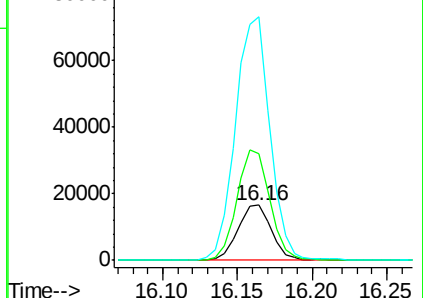
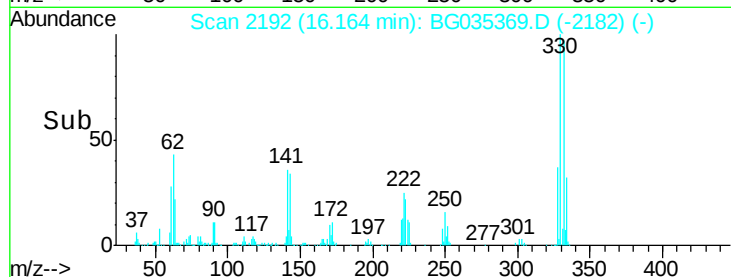
#66
 4-Bromophenyl-phenylether
 Concen: 6.099 ng
 RT: 16.16 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG035369.D
 Acq: 23 Jun 2018 15:28

Instrument :
 BNA_G
 ClientSampleId :
 PB110484TB

Tgt Ion:248 Resp: 25921
 Ion Ratio Lower Upper
 248 100
 250 193.8 77.1 115.7#
 141 440.1 50.8 76.2#

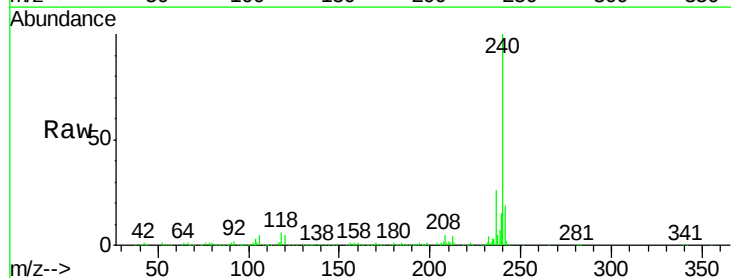


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

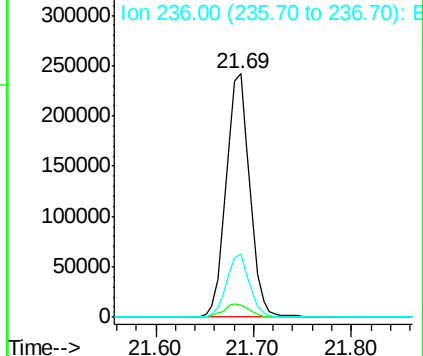
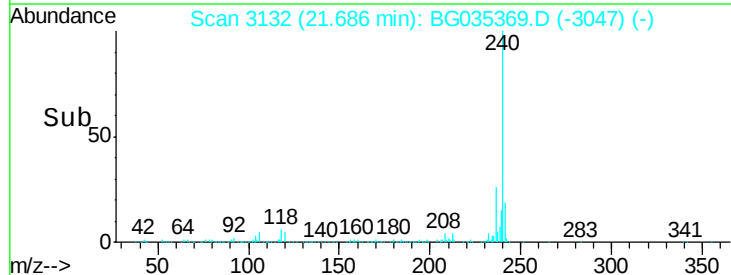


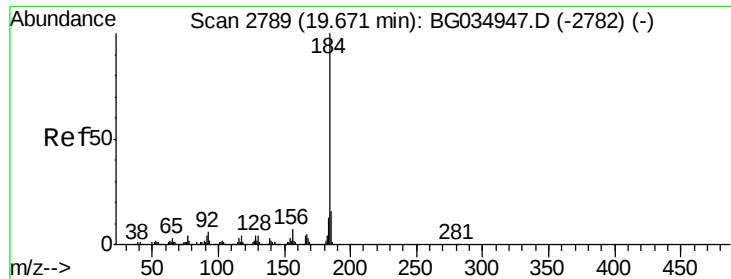
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3132
 Delta R.T. -0.03 min
 Lab File: BG035369.D
 Acq: 23 Jun 2018 15:28

Tgt Ion:240 Resp: 406289
 Ion Ratio Lower Upper
 240 100
 120 4.8 6.8 10.2#
 236 26.1 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: 2.275 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

Instrument :

BNA_G

ClientSampleId :

PB110484TB

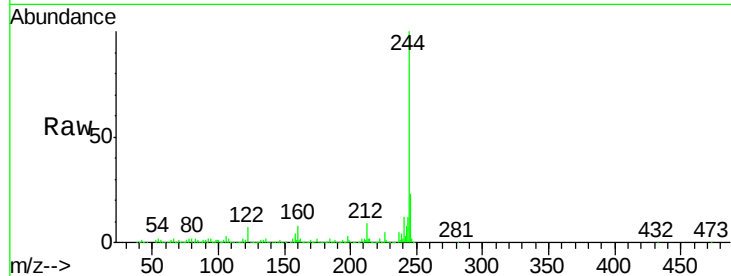
Tgt Ion:184 Resp: 34392

Ion Ratio Lower Upper

184 100

185 15.0 11.1 16.7

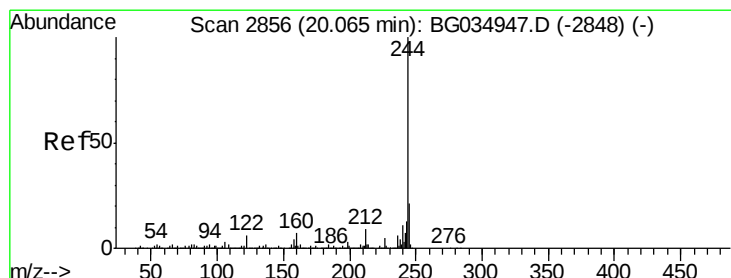
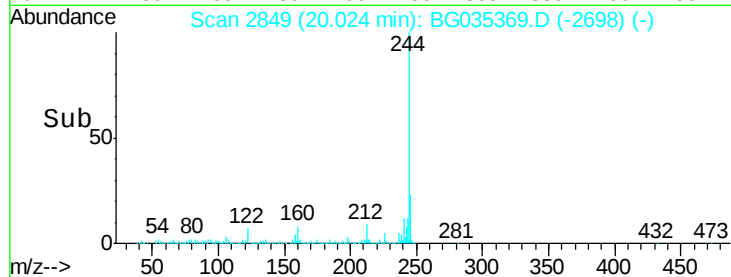
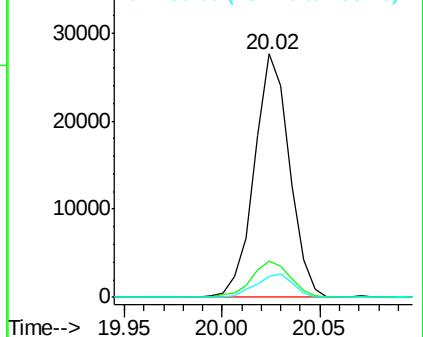
183 8.6 10.6 16.0#



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: 98.470 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035369.D

Acq: 23 Jun 2018 15:28

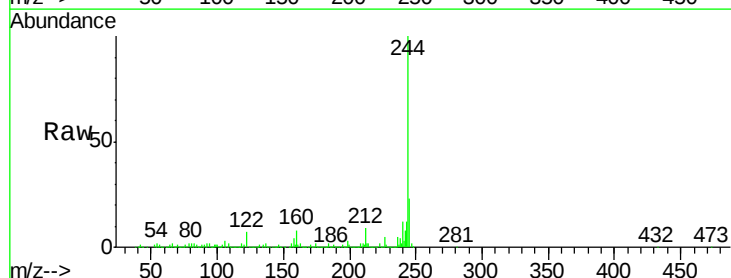
Tgt Ion:244 Resp: 1909957

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

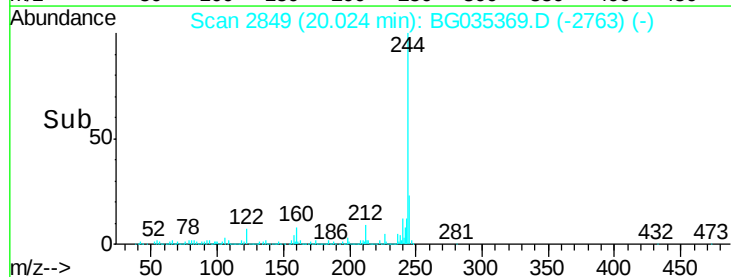
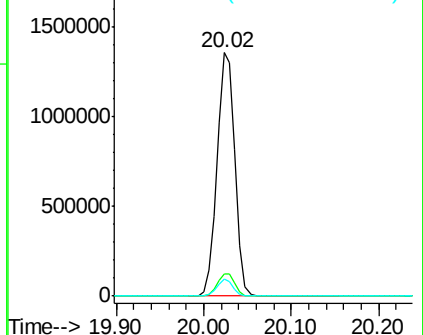
122 7.0 7.0 10.4

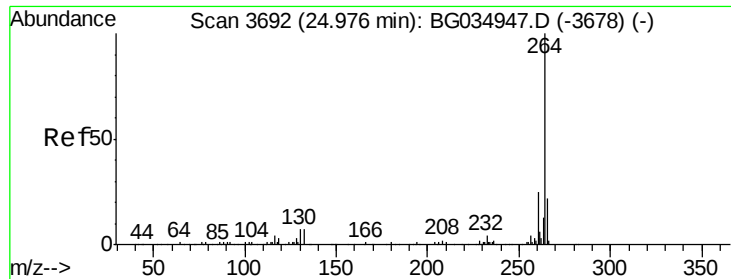


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

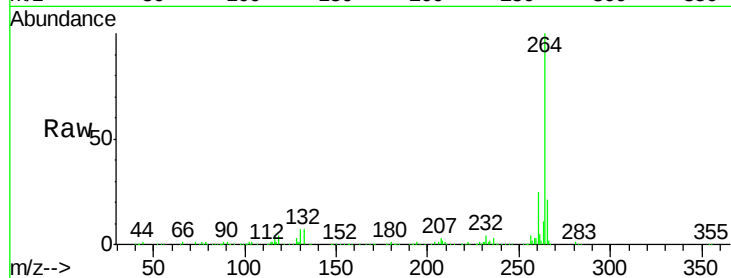




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3679
Delta R.T. -0.05 min
Lab File: BG035369.D
Acq: 23 Jun 2018 15:28

Instrument :
BNA_G
ClientSampleId :
PB110484TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	17.4	26.0
265	20.9	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

