

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035400.D
 Acq On : 26 Jun 2018 6:27
 Operator : JU/SJ
 Sample : J3684-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 08:31:04 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

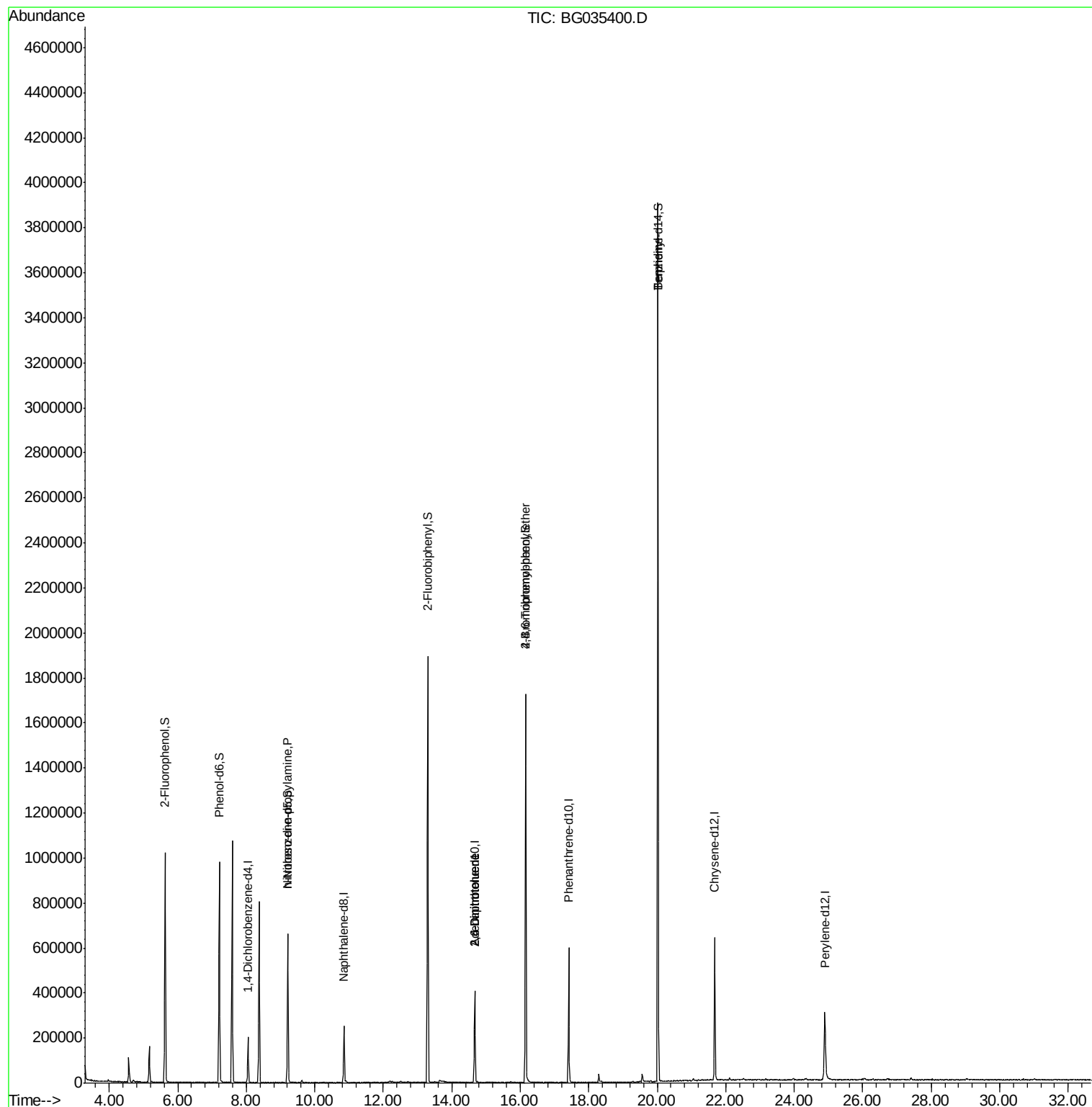
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	57603	20.00	ng	-0.02
21) Naphthalene-d8	10.85	136	204971	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	137759	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	383263	20.00	ng	-0.02
75) Chrysene-d12	21.68	240	415737	20.00	ng	-0.04
86) Perylene-d12	24.89	264	351682	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	448873	131.51	ng	-0.01
7) Phenol-d6	7.21	99	593291	117.77	ng	-0.01
23) Nitrobenzene-d5	9.22	82	447873	103.87	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	320360	181.66	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1000855	94.45	ng	-0.03
78) Terphenyl-d14	20.02	244	1872861	94.36	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	61122	14.281	ng	# 72
50) 2,6-Dinitrotoluene	14.67	165	19989	9.121	ng	# 20
56) 2,4-Dinitrotoluene	14.67	165	19989	6.866	ng	# 18
66) 4-Bromophenyl-phenylether	16.16	248	25402	5.504	ng	# 1
76) Benzidine	20.02	184	33503	2.166	ng	# 95

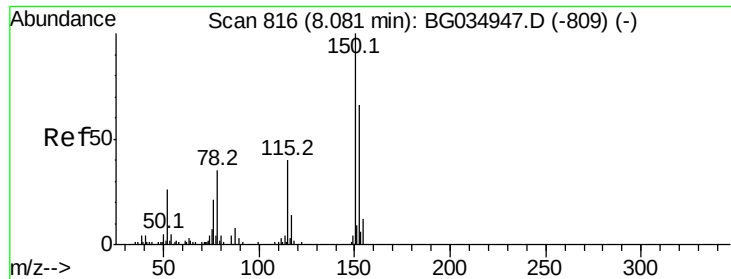
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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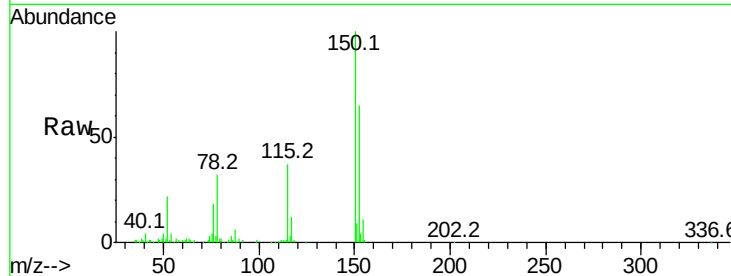


#1

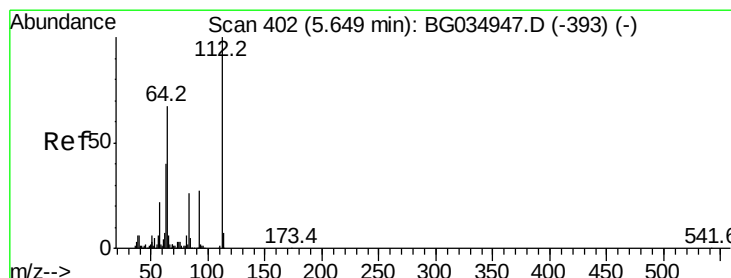
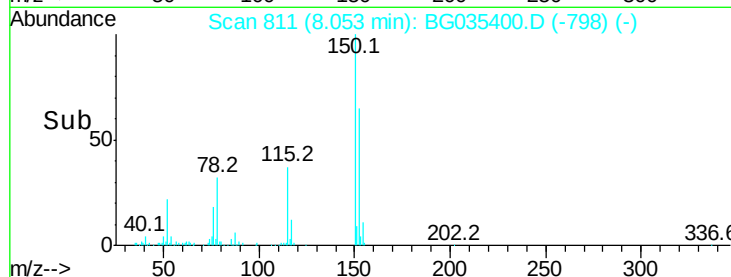
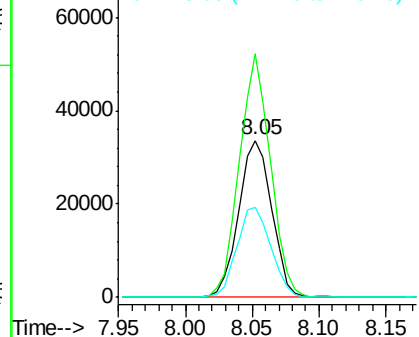
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035400.D
Acq: 26 Jun 2018 6:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57603
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 57.5 53.0 79.4



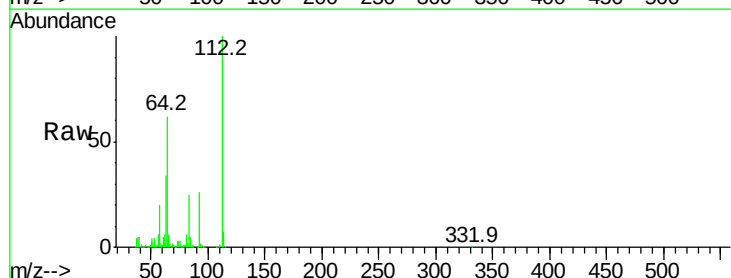
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



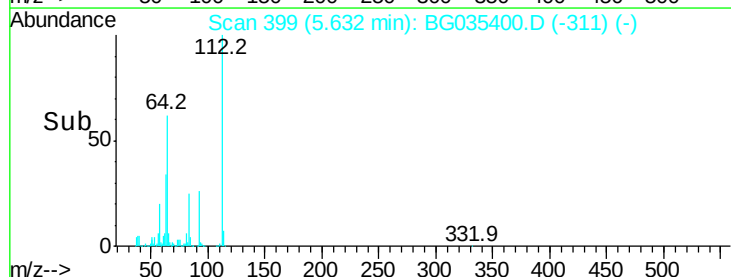
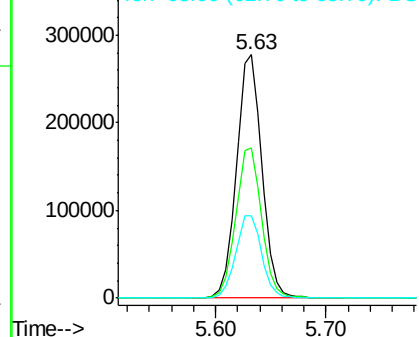
#5

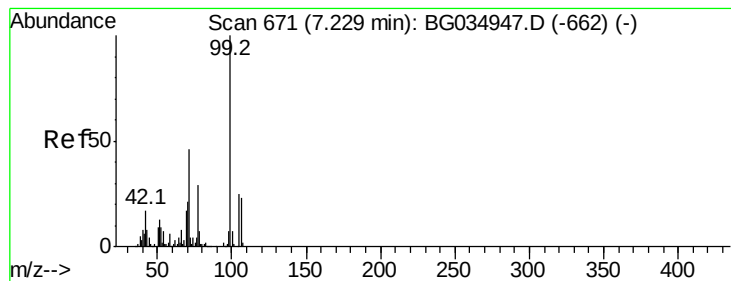
2-Fluorophenol
Concen: 131.507 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035400.D
Acq: 26 Jun 2018 6:27

Tgt Ion:112 Resp: 448873
Ion Ratio Lower Upper
112 100
64 61.7 56.3 84.5
63 33.9 30.1 45.1



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: 117.767 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

Instrument :

BNA_G

ClientSampleId :

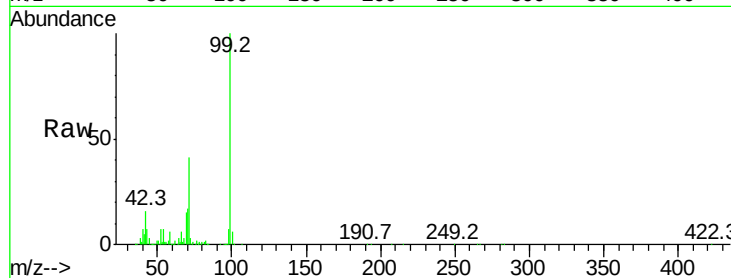
Tot Ion: 99 Resp: 593291

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

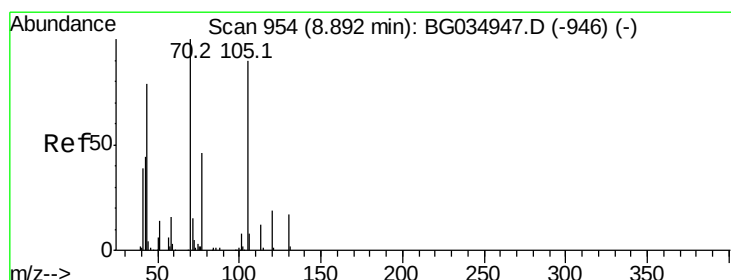
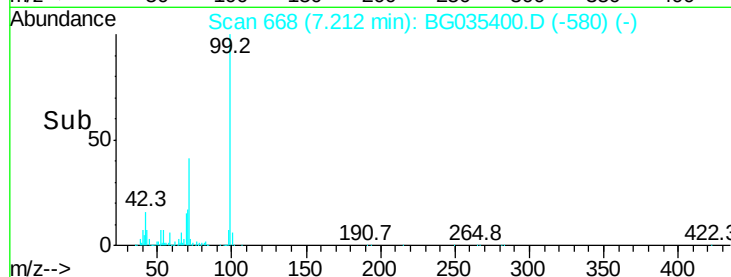
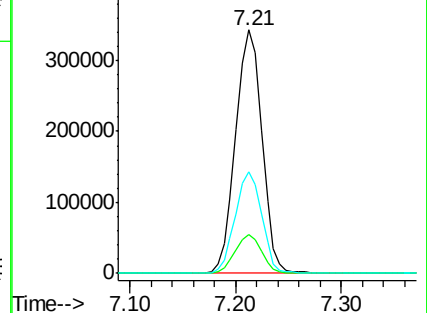
71 41.4 26.1 39.1#



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: 14.281 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

Tgt Ion: 70 Resp: 61122

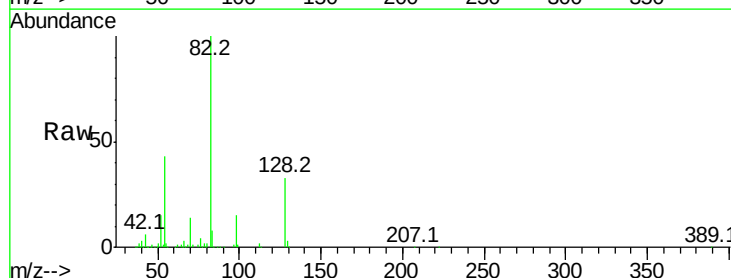
Ion Ratio Lower Upper

70 100

42 41.0 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

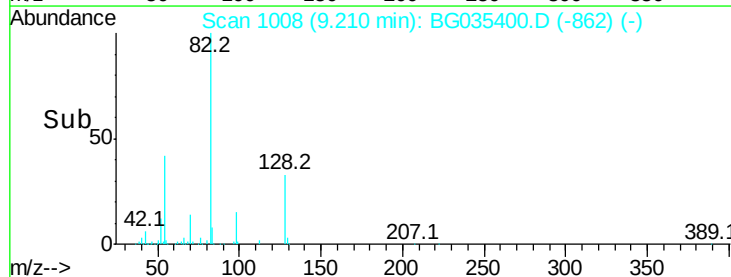
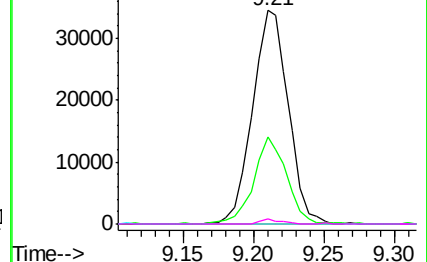


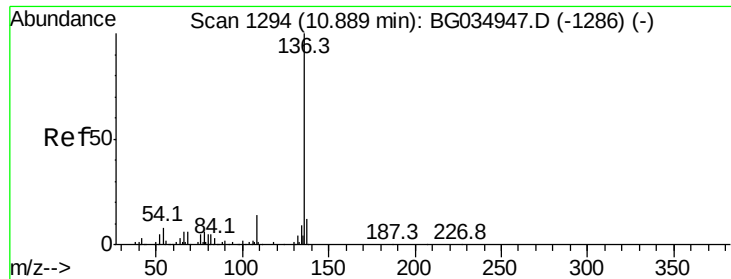
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG035400.D

Acq: 26 Jun 2018 6:27

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 204971

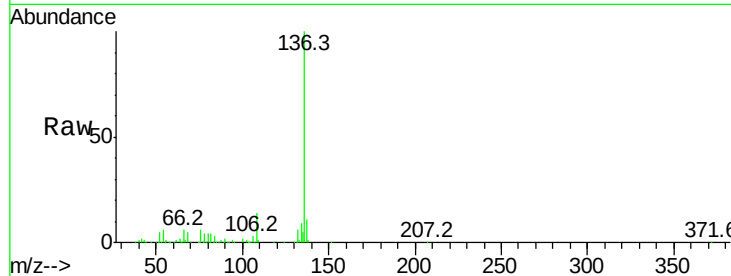
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 6.3 10.3 15.5#

68 4.6 4.5 6.7

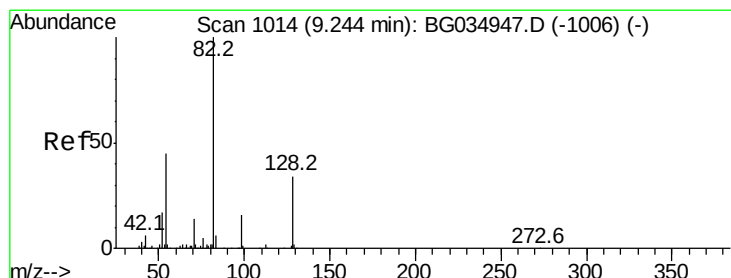
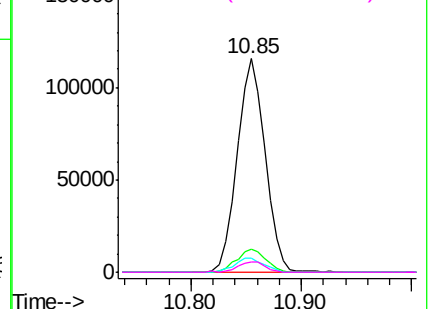
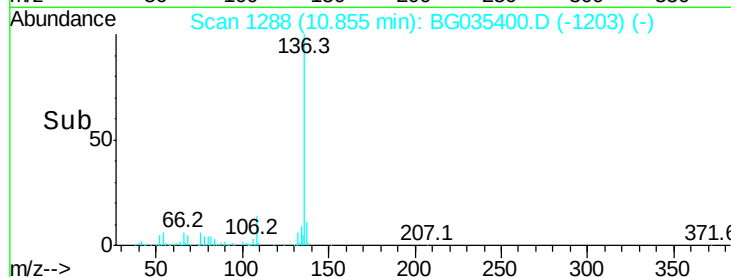


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.865 ng

RT: 9.22 min Scan# 1009

Delta R.T. -0.02 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

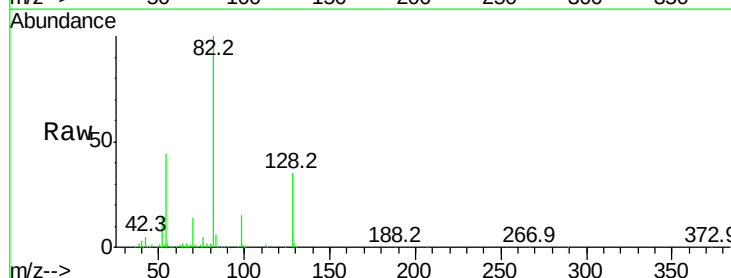
Tgt Ion: 82 Resp: 447873

Ion Ratio Lower Upper

82 100

128 35.4 29.7 44.5

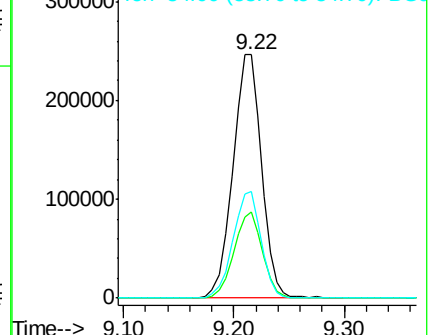
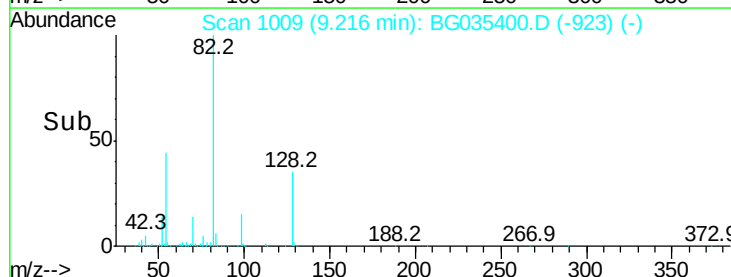
54 43.8 43.1 64.7

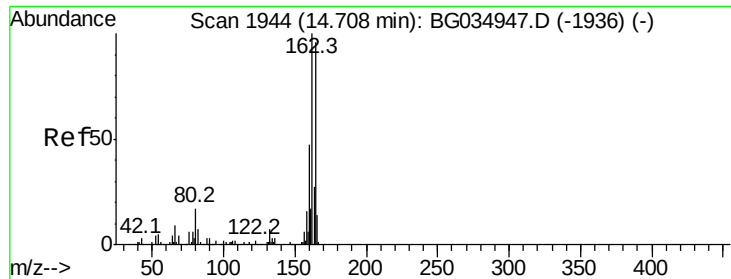


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG035400.D

Acq: 26 Jun 2018 6:27

Instrument :

BNA_G

ClientSampleId :

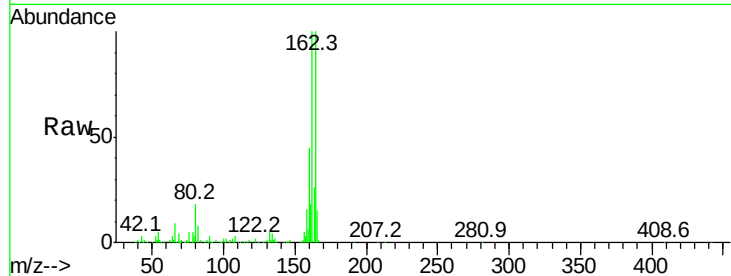
Tot Ion:164 Resp: 137759

Ion Ratio Lower Upper

164 100

162 99.6 78.8 118.2

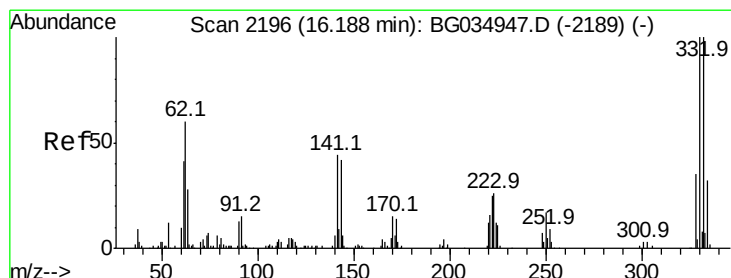
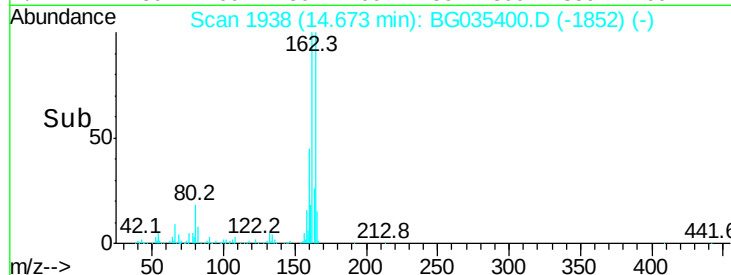
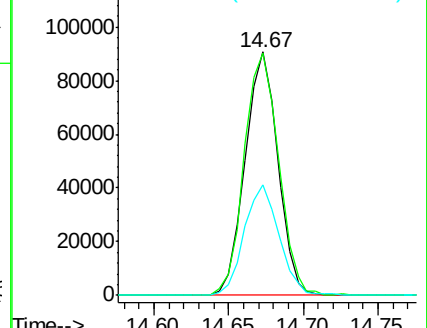
160 45.1 35.4 53.0



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: 181.662 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

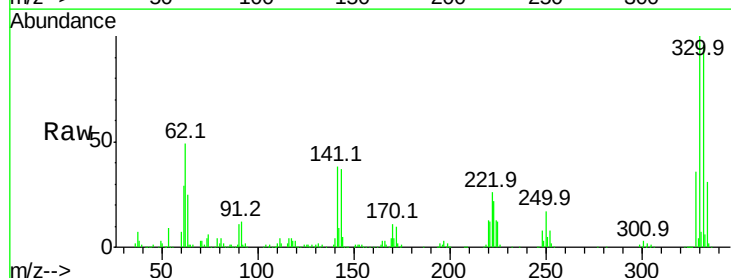
Tgt Ion:330 Resp: 320360

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

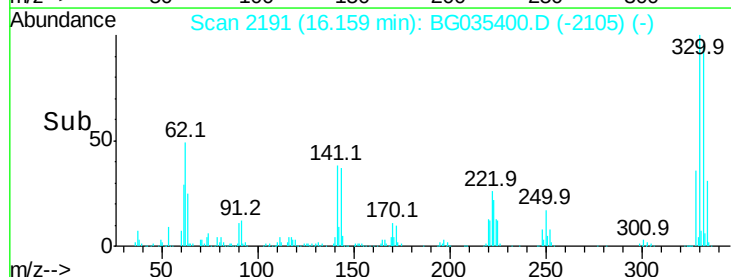
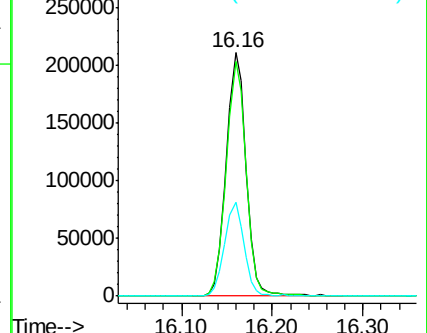
141 37.6 25.2 37.8

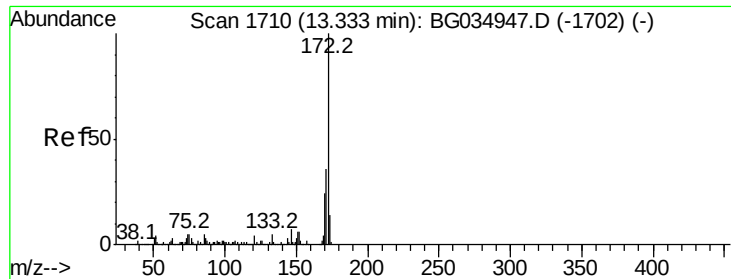


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



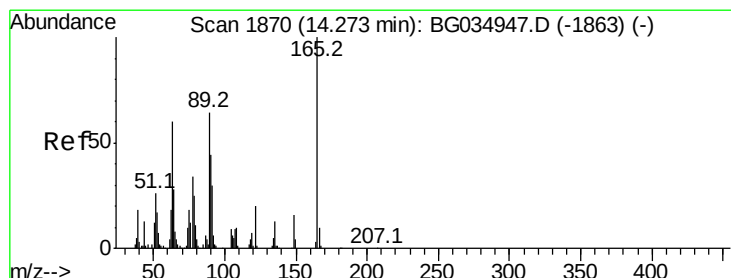
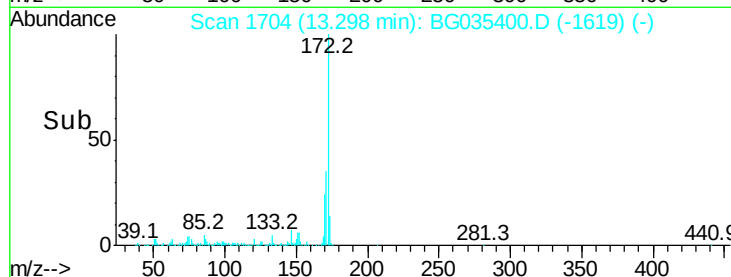
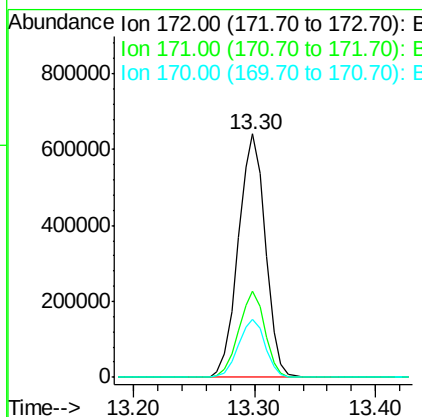
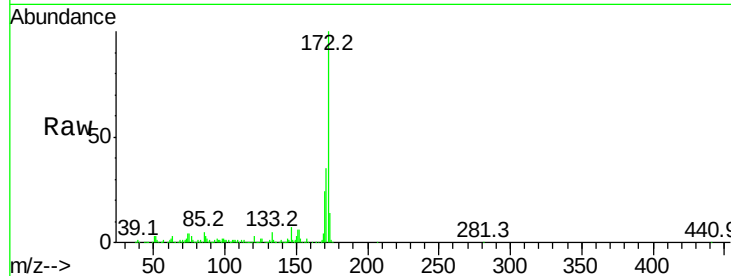


#44
 2-Fluorobiphenyl
 Concen: 94.448 ng
 RT: 13.30 min Scan# 1704
 Delta R.T. -0.03 min
 Lab File: BG035400.D
 Acq: 26 Jun 2018 6:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1000855

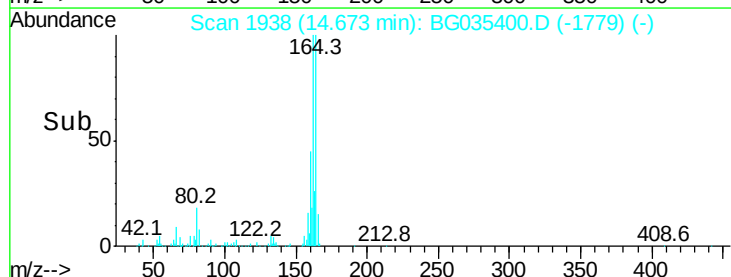
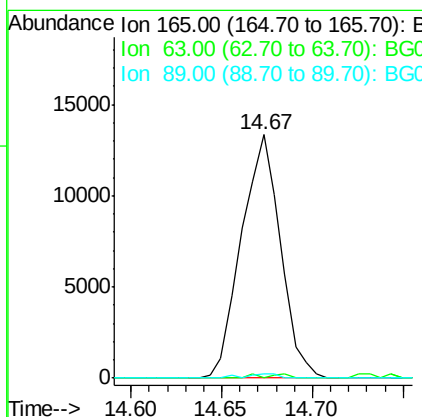
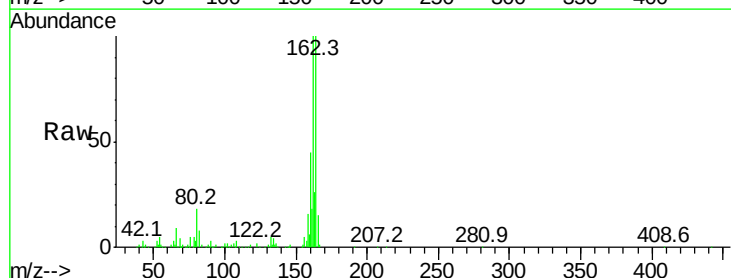
Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.0	45.0
170	24.0	19.5	29.3

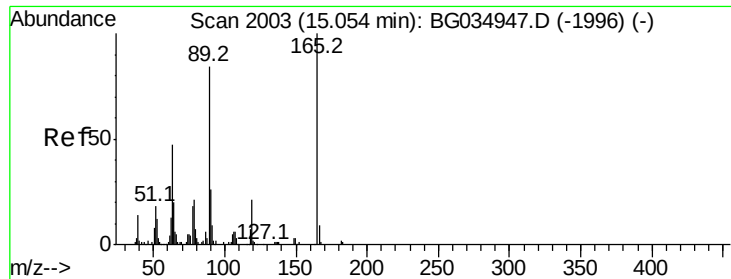


#50
 2,6-Dinitrotoluene
 Concen: 9.121 ng
 RT: 14.67 min Scan# 1938
 Delta R.T. 0.41 min
 Lab File: BG035400.D
 Acq: 26 Jun 2018 6:27

Tgt Ion:165 Resp: 19989

Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 6.866 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.38 min

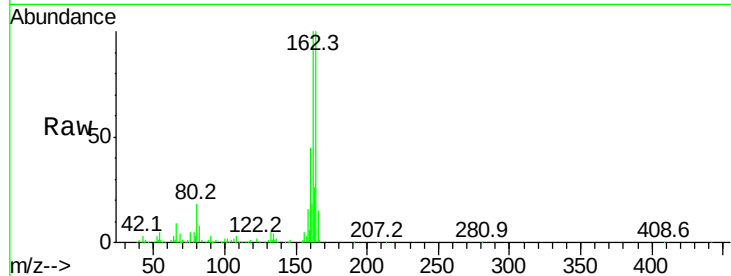
Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 19989

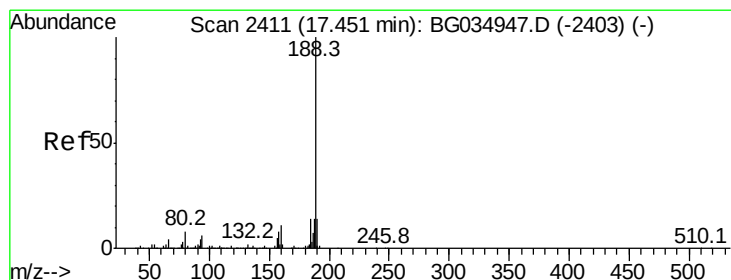
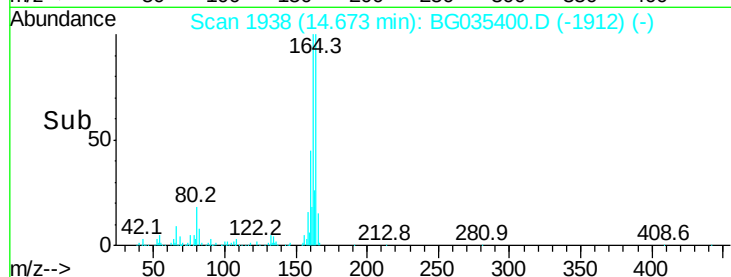
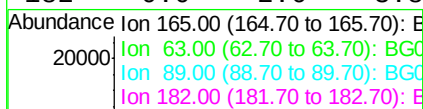
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.0 66.9 100.3#

182 0.0 2.6 3.8#



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

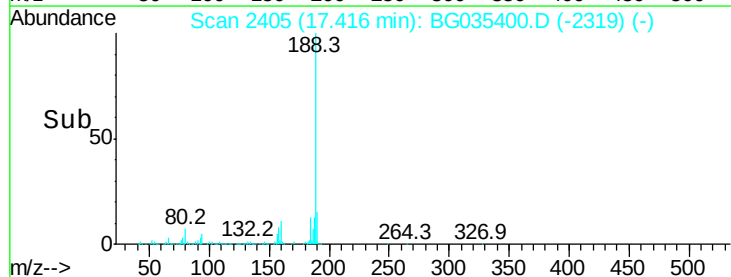
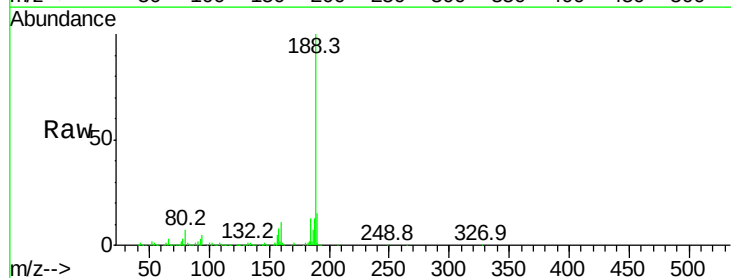
Tgt Ion:188 Resp: 383263

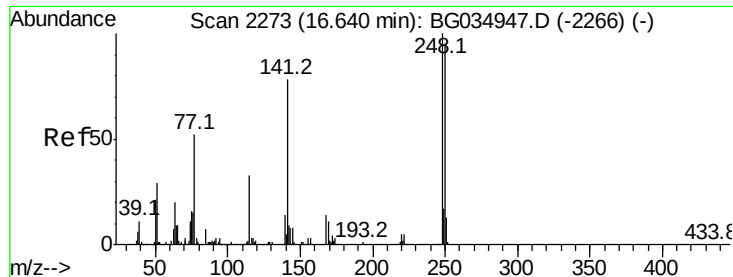
Ion Ratio Lower Upper

188 100

94 5.4 6.9 10.3#

80 6.6 7.7 11.5#

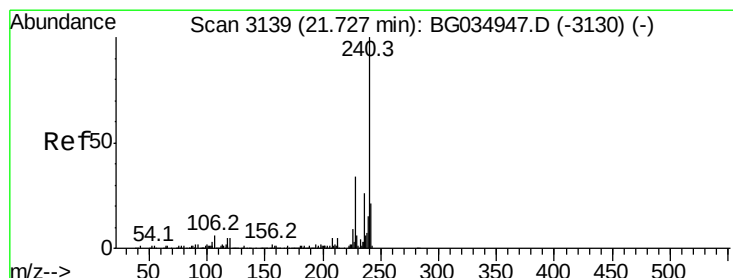
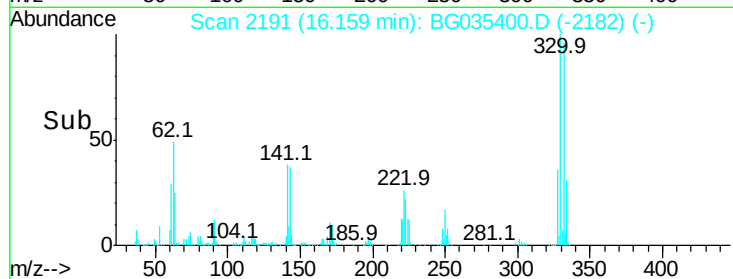
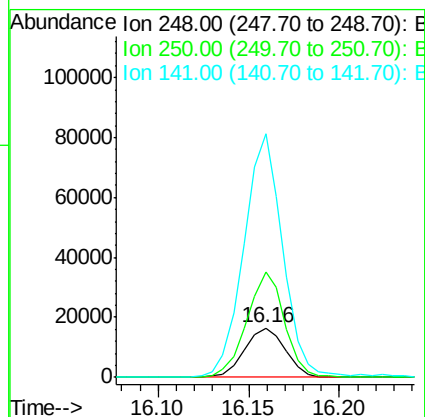
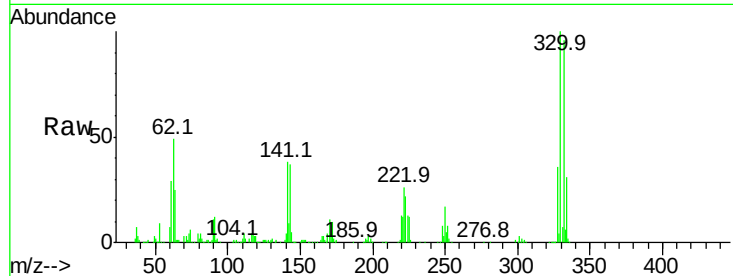




#66
4-Bromophenyl-phenylether
Concen: 5.504 ng
RT: 16.16 min Scan# 2191
Delta R.T. -0.48 min
Lab File: BG035400.D
Acq: 26 Jun 2018 6:27

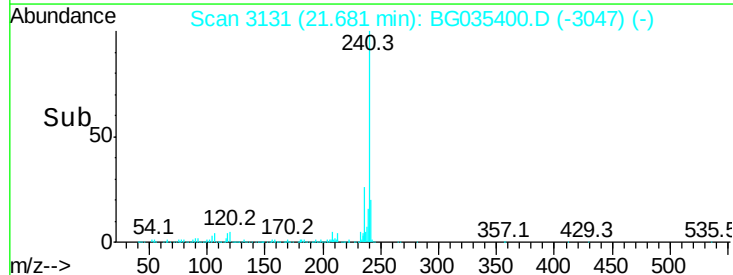
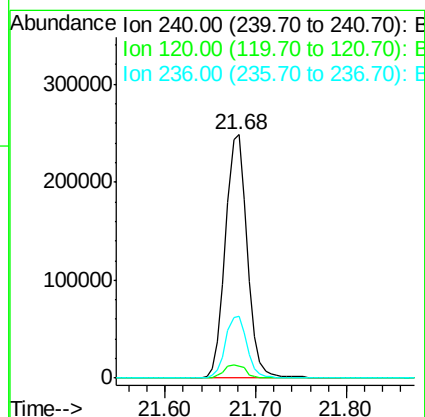
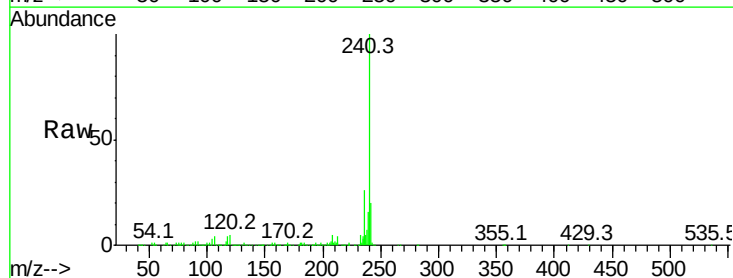
Instrument :
BNA_G
ClientSampled :

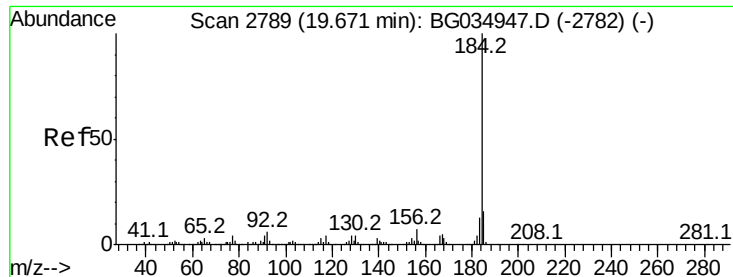
Tot Ion:248 Resp: 25402
Ion Ratio Lower Upper
248 100
250 214.2 77.1 115.7#
141 492.6 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3131
Delta R.T. -0.04 min
Lab File: BG035400.D
Acq: 26 Jun 2018 6:27

Tgt Ion:240 Resp: 415737
Ion Ratio Lower Upper
240 100
120 5.1 6.8 10.2#
236 25.5 20.9 31.3





#76

Benzidine

Concen: 2.166 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.36 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

Instrument :

BNA_G

ClientSampleId :

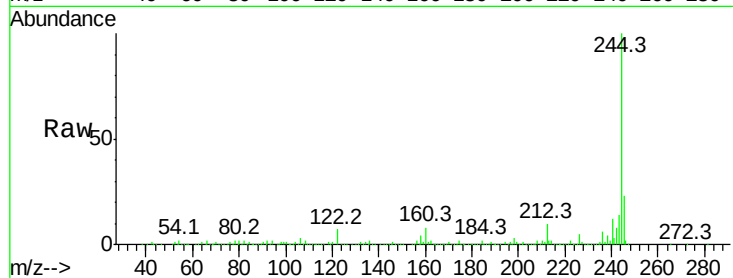
Tot Ion:184 Resp: 33503

Ion Ratio Lower Upper

184 100

185 13.4 11.1 16.7

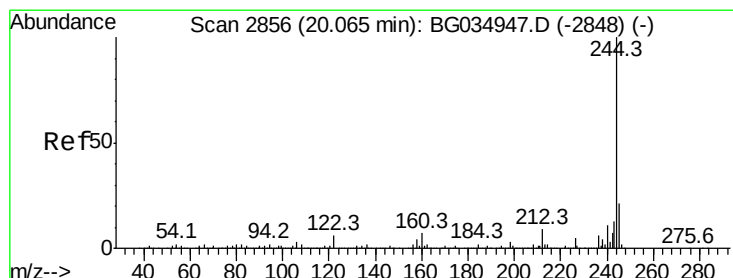
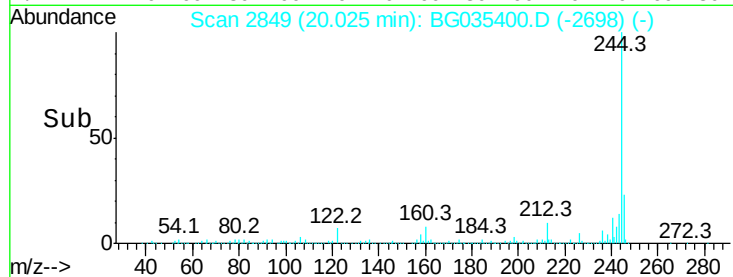
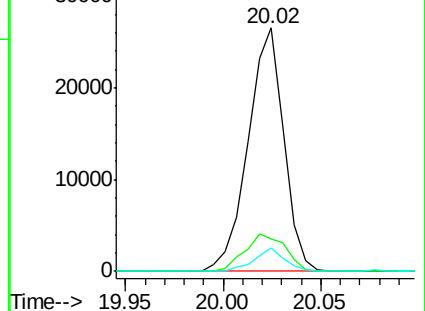
183 9.5 10.6 16.0#



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: 94.363 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035400.D

Acq: 26 Jun 2018 6:27

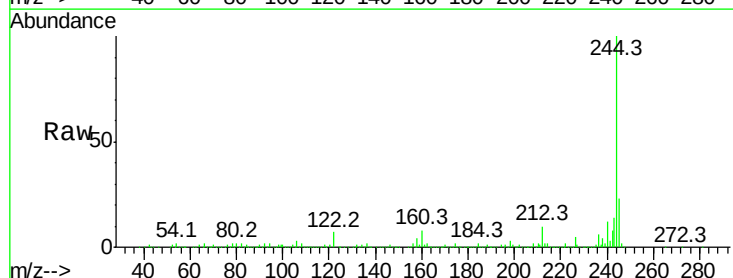
Tgt Ion:244 Resp: 1872861

Ion Ratio Lower Upper

244 100

212 10.2 5.8 8.8#

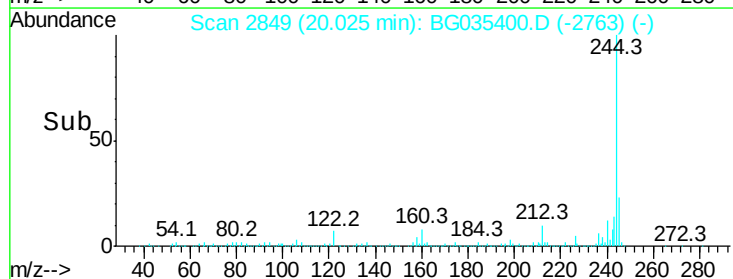
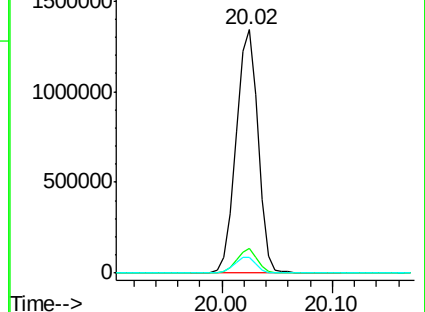
122 6.7 7.0 10.4#

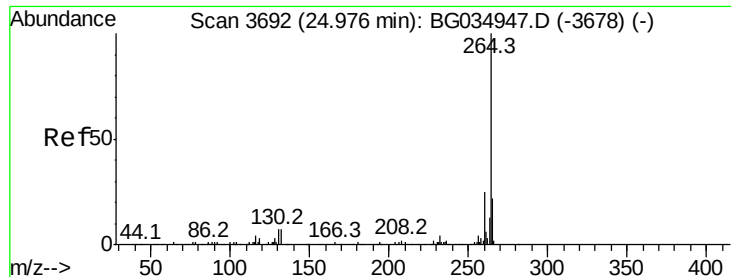


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.89 min Scan# 3678
 Delta R.T. -0.06 min
 Lab File: BG035400.D
 Acq: 26 Jun 2018 6:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	22.5	17.7	26.5

