

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG034010.D
 Acq On : 26 Apr 2018 6:39
 Operator : SJ/JU
 Sample : J2155-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 07:22:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

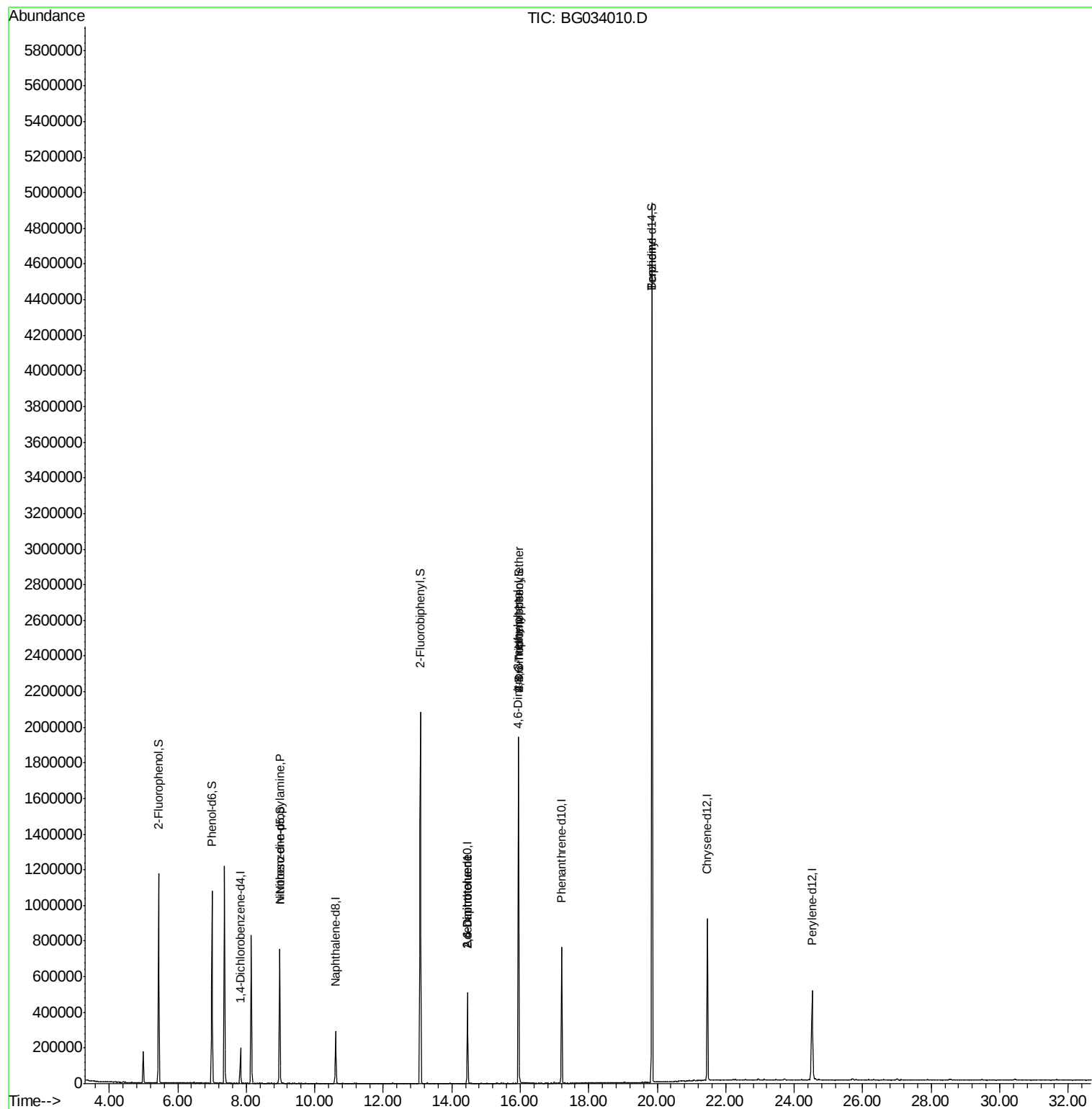
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	56972	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	251943	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	173833	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	480991	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	541980	20.00	ng	-0.03
86) Perylene-d12	24.52	264	534277	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	489837	137.27	ng	0.00
7) Phenol-d6	7.00	99	608947	117.00	ng	0.00
23) Nitrobenzene-d5	8.98	82	441010	99.62	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	354853	174.97	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1139773	96.32	ng	-0.02
78) Terphenyl-d14	19.84	244	2250701	93.30	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1206	Below Cal	Qvalue #	5
19) n-Nitroso-di-n-propylamine	8.98	70	60578	13.654 ng	#	78
50) 2,6-Dinitrotoluene	14.46	165	22815	7.873 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	22815	5.921 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	1191	6.934 ng		83
66) 4-Bromophenyl-phenylether	15.95	248	20377	3.858 ng	#	1
76) Benizidine	19.84	184	36427	2.489 ng	#	86

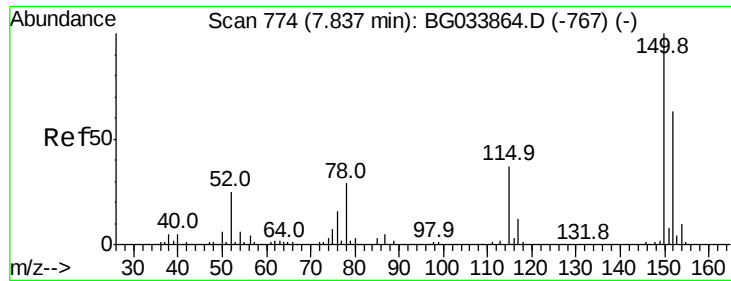
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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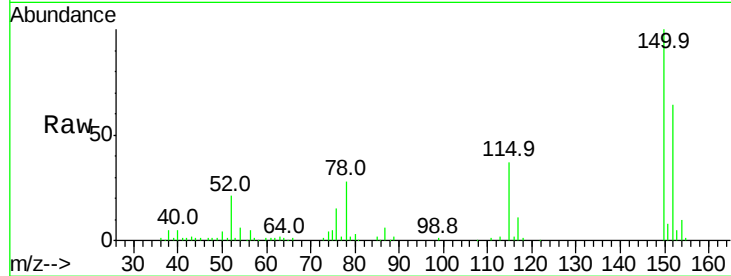


#1

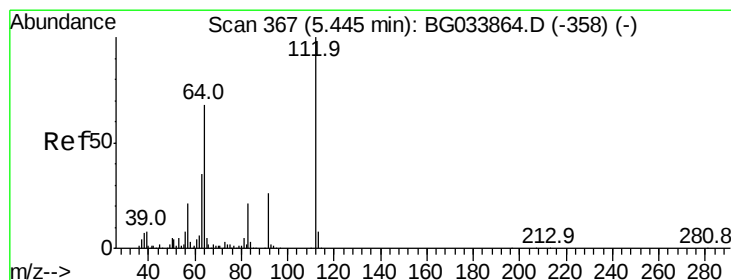
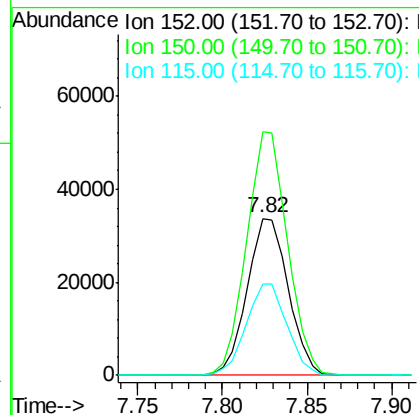
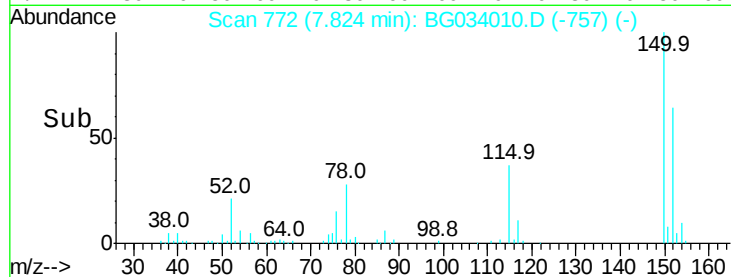
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.82 min Scan# 772
 Delta R.T. -0.01 min
 Lab File: BG034010.D
 Acq: 26 Apr 2018 6:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 56972
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.6 189.8
 115 58.1 53.0 79.4



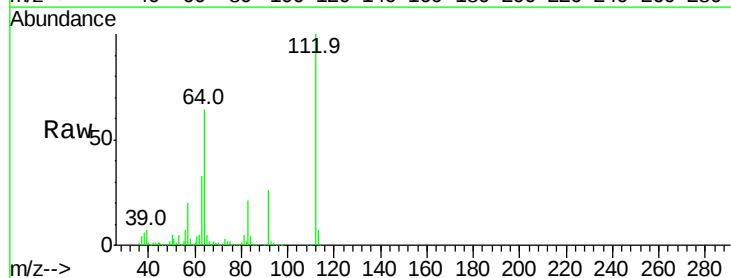
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



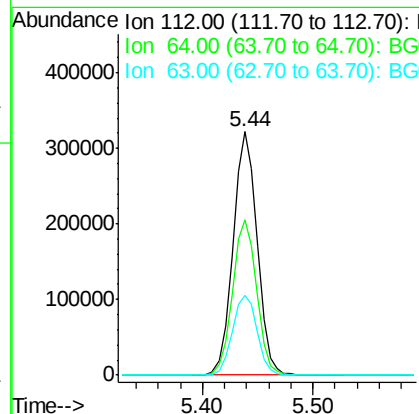
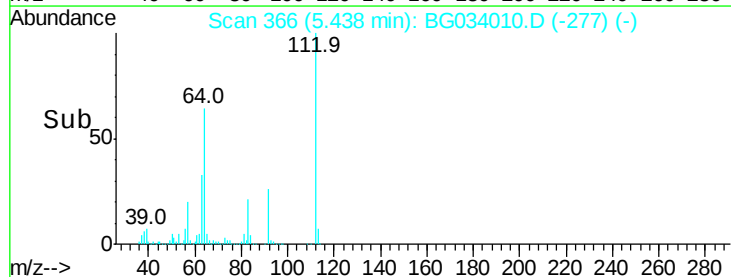
#5

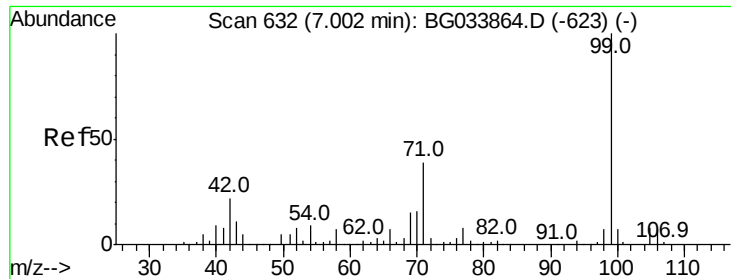
2-Fluorophenol
 Concen: 137.268 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG034010.D
 Acq: 26 Apr 2018 6:39

Tgt Ion:112 Resp: 489837
 Ion Ratio Lower Upper
 112 100
 64 63.6 56.3 84.5
 63 32.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG0
 Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.996 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

Instrument :

BNA_G

ClientSampleId :

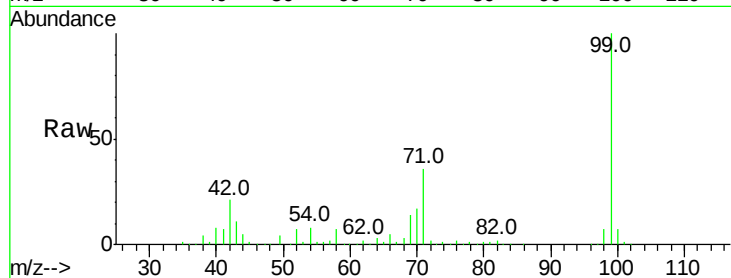
Tot Ion: 99 Resp: 608947

Ion Ratio Lower Upper

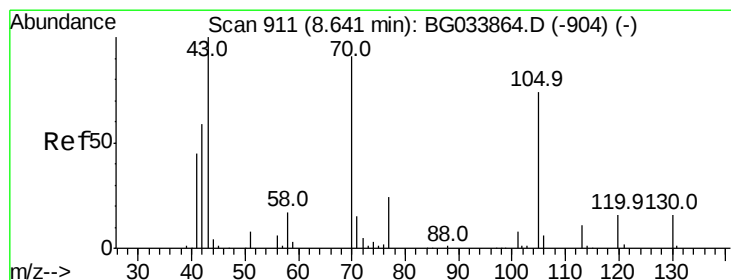
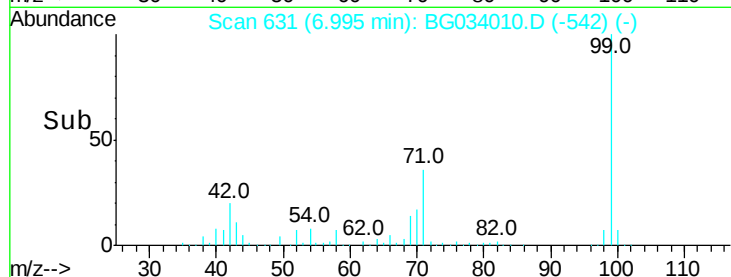
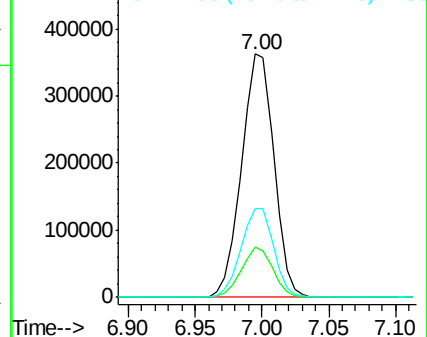
99 100

42 20.6 14.1 21.1

71 36.3 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: 13.654 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

Tgt Ion: 70 Resp: 60578

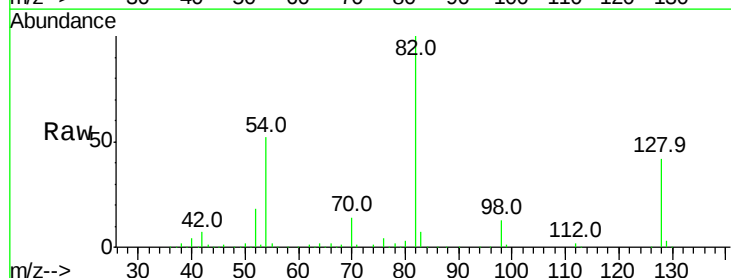
Ion Ratio Lower Upper

70 100

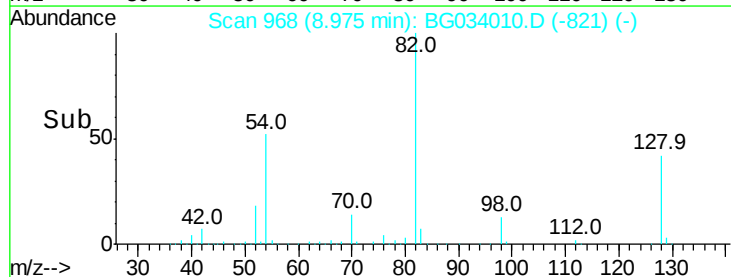
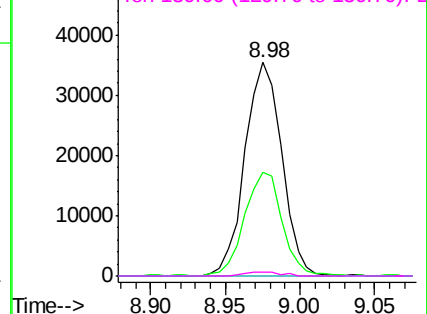
42 48.5 49.1 73.7#

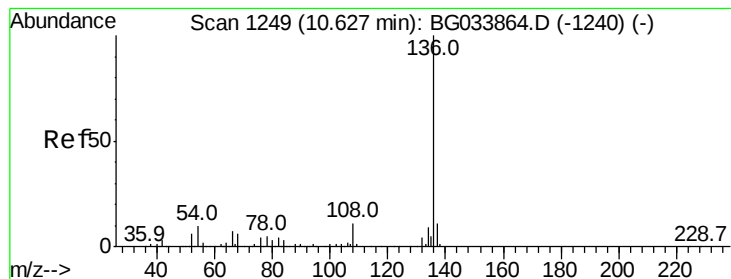
101 0.0 8.5 12.7#

130 1.7 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: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 251943

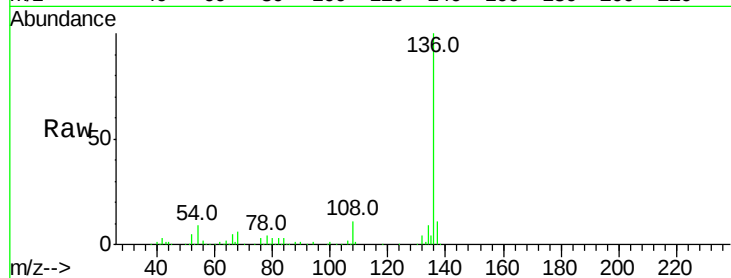
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 9.4 10.3 15.5#

68 5.7 4.5 6.7

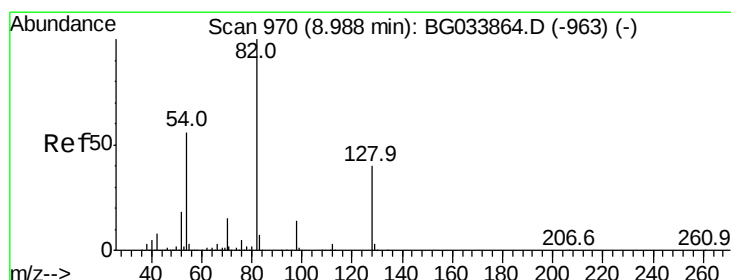
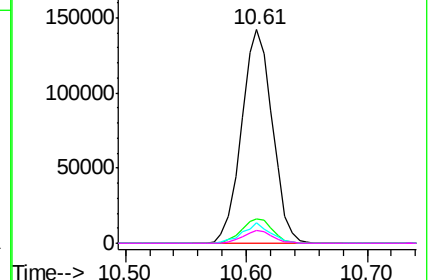
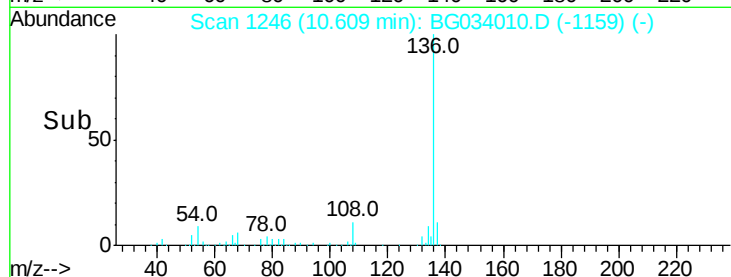


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.617 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

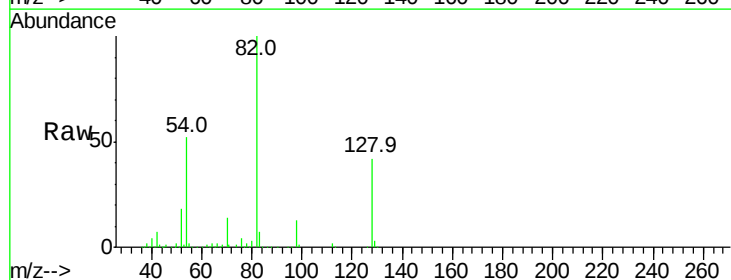
Tgt Ion: 82 Resp: 441010

Ion Ratio Lower Upper

82 100

128 41.8 29.7 44.5

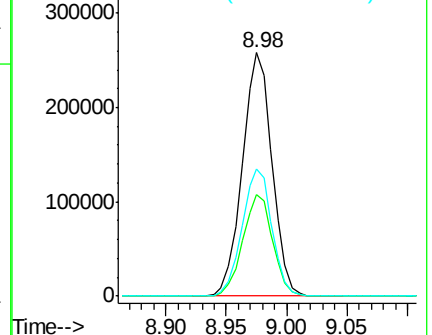
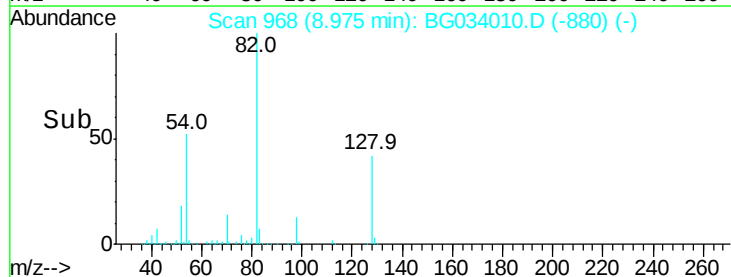
54 52.5 43.1 64.7

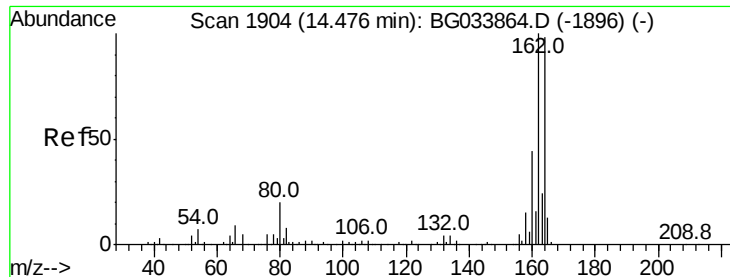


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

Instrument :

BNA_G

ClientSampleId :

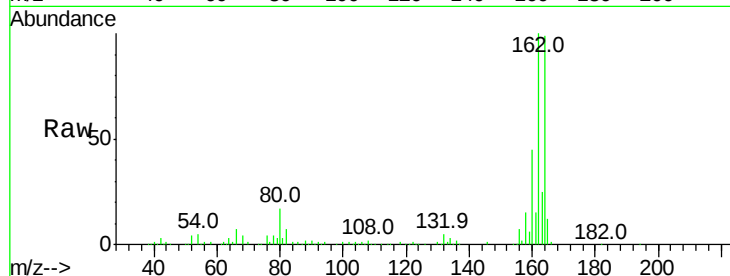
Tot Ion:164 Resp: 173833

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

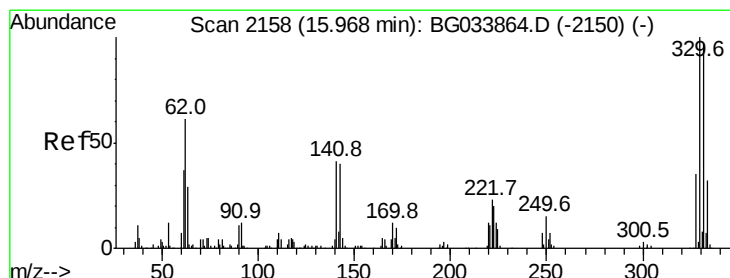
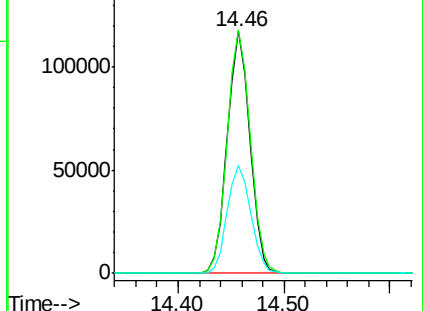
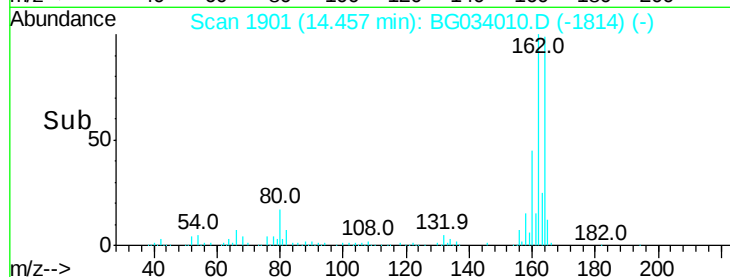
160 44.9 35.4 53.0



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: 174.973 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

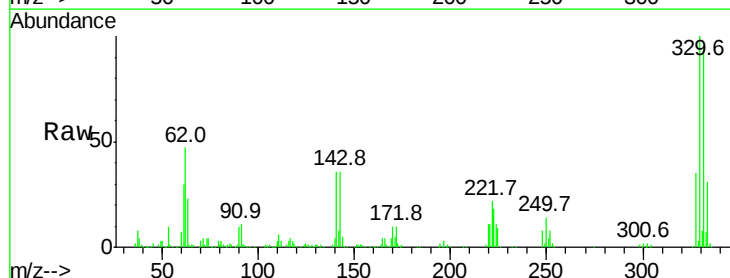
Tgt Ion:330 Resp: 354853

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

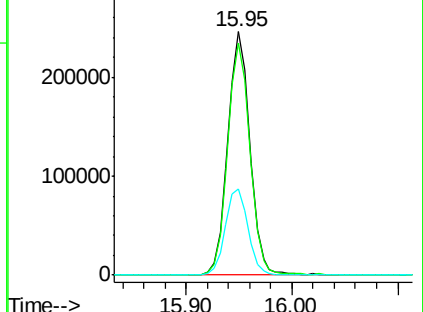
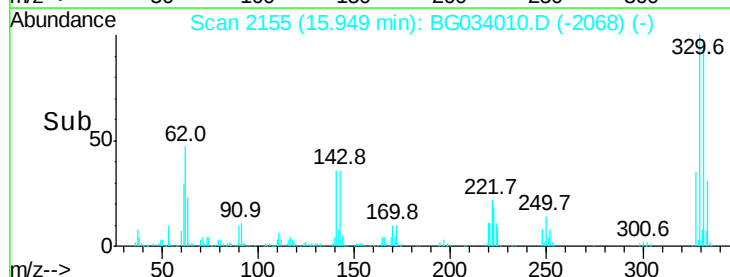
141 36.5 25.2 37.8

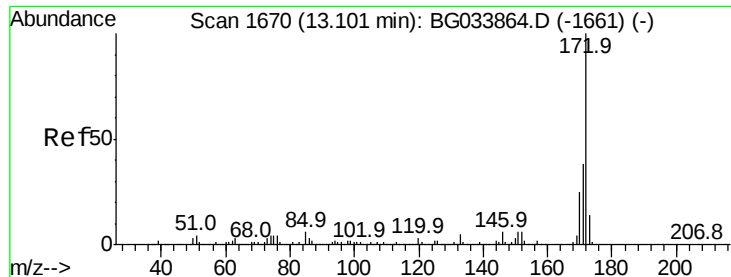


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

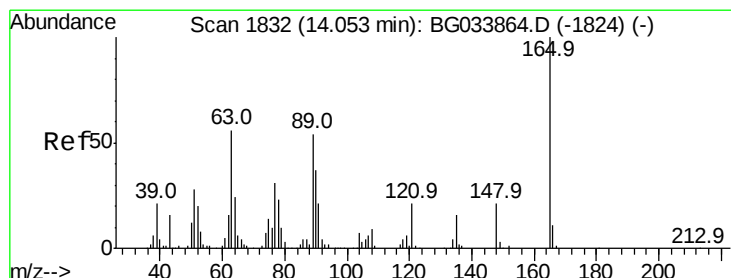
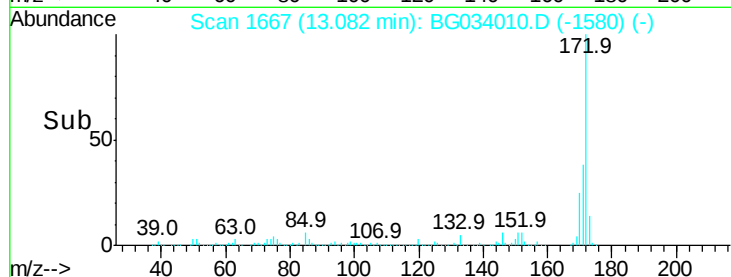
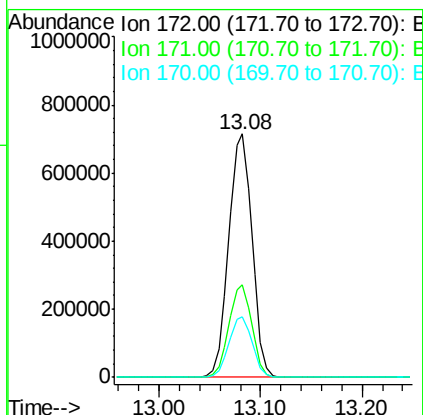
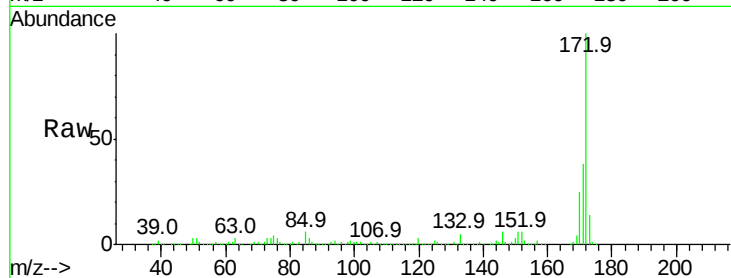




#44
2-Fluorobiphenyl
Concen: 96.320 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG034010.D
Acq: 26 Apr 2018 6:39

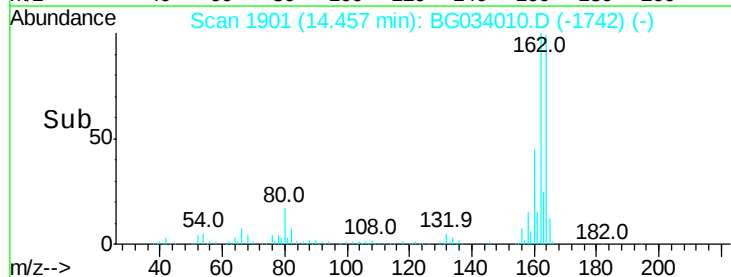
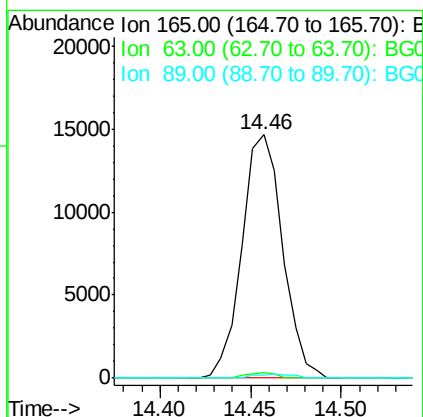
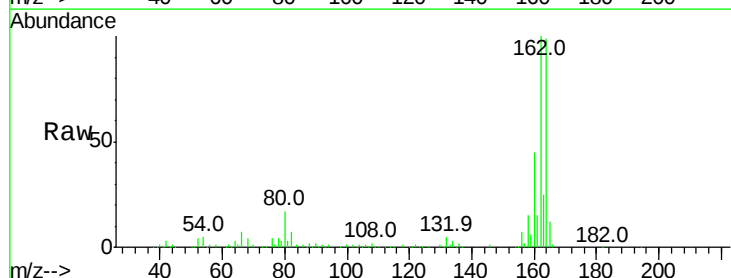
Instrument :
BNA_G
ClientSampled :

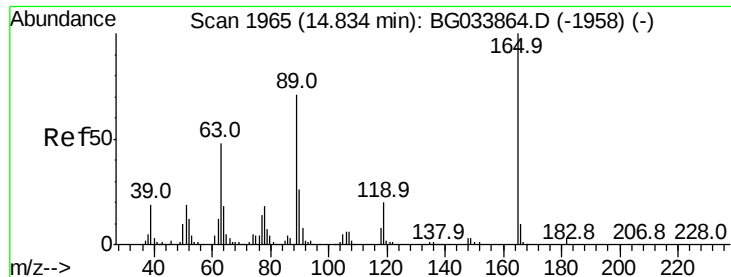
Tot Ion:172 Resp: 1139773
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 25.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.873 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG034010.D
Acq: 26 Apr 2018 6:39

Tgt Ion:165 Resp: 22815
Ion Ratio Lower Upper
165 100
63 2.1 52.7 79.1#
89 1.3 49.2 73.8#

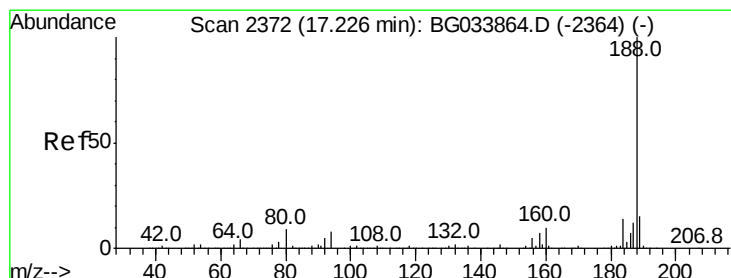
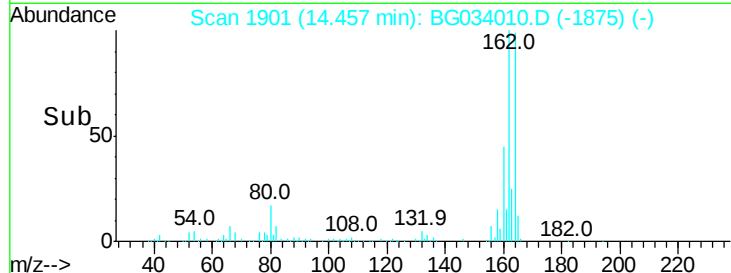
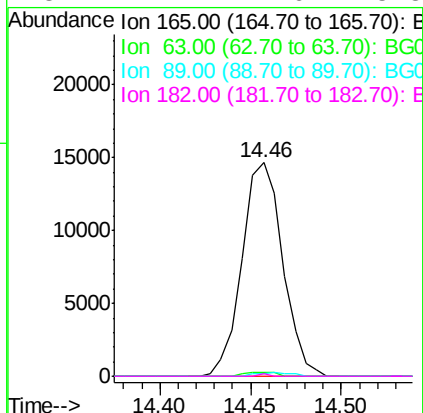
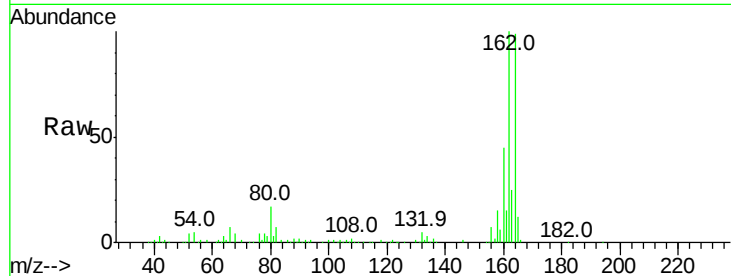




#56
 2,4-Dinitrotoluene
 Concen: 5.921 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG034010.D
 Acq: 26 Apr 2018 6:39

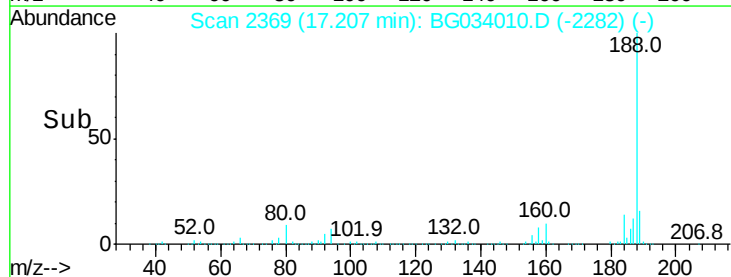
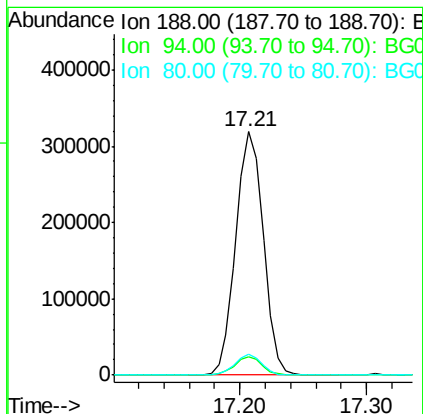
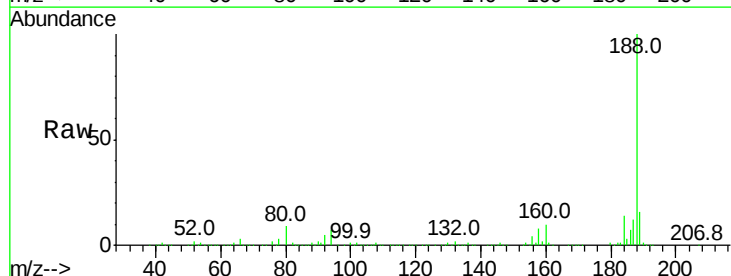
Instrument :
 BNA_G
 ClientSampleId :

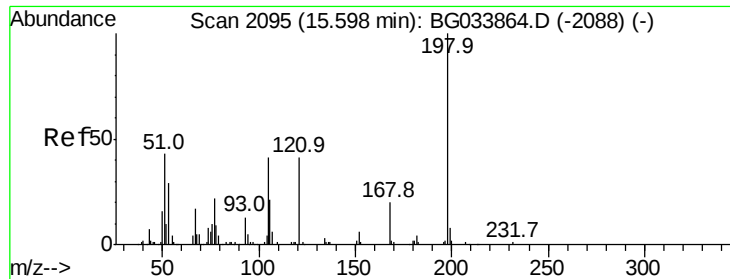
Tot Ion:165 Resp: 22815
 Ion Ratio Lower Upper
 165 100
 63 2.1 42.0 63.0#
 89 1.3 66.9 100.3#
 182 1.1 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG034010.D
 Acq: 26 Apr 2018 6:39

Tgt Ion:188 Resp: 480991
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.6 7.7 11.5

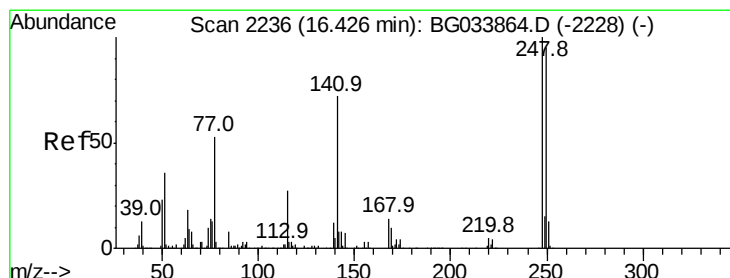
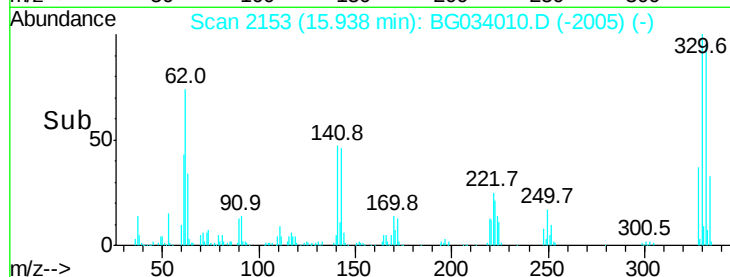
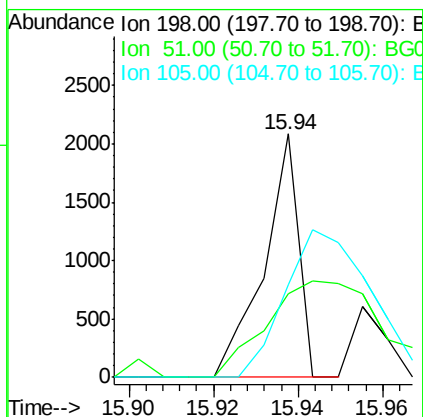
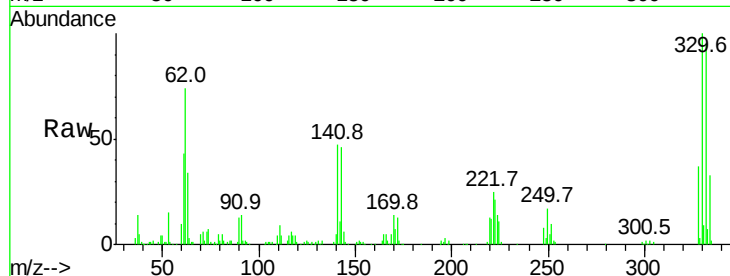




#64
4,6-Dinitro-2-methylphenol
Concen: 6.934 ng
RT: 15.94 min Scan# 2153
Delta R.T. 0.34 min
Lab File: BG034010.D
Acq: 26 Apr 2018 6:39

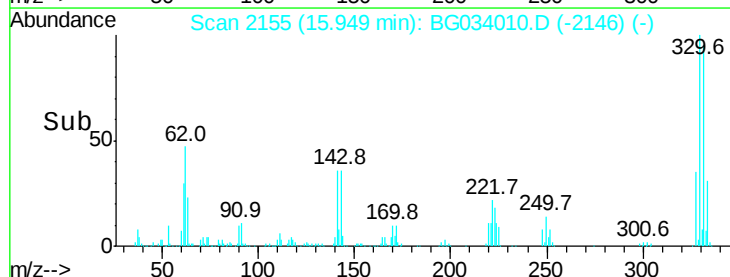
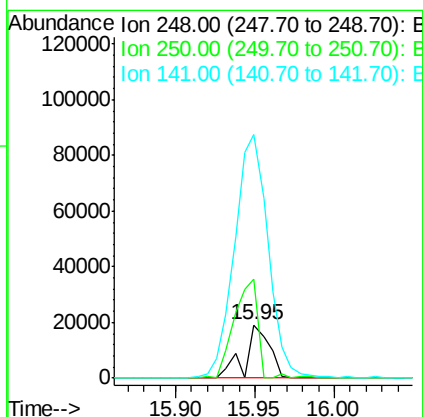
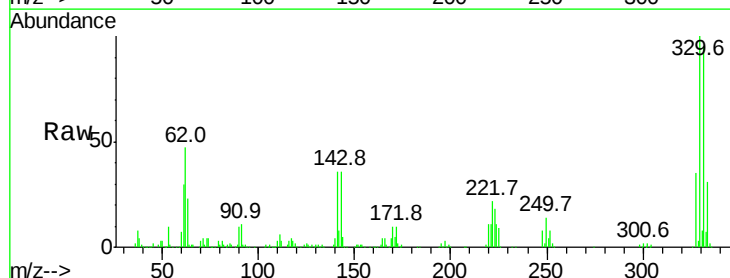
Instrument :
BNA_G
ClientSampled :

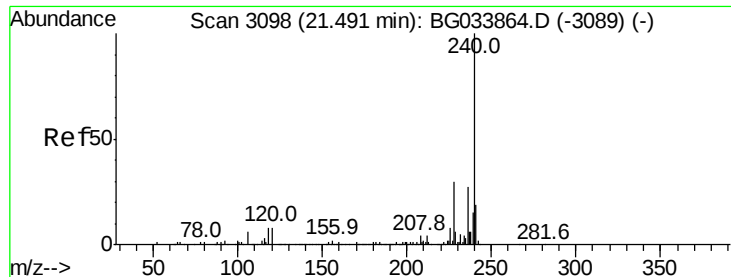
Tot Ion:198 Resp: 1191
Ion Ratio Lower Upper
198 100
51 34.5 30.6 70.6
105 37.9 23.8 63.8



#66
4-Bromophenyl-phenylether
Concen: 3.858 ng
RT: 15.95 min Scan# 2155
Delta R.T. -0.48 min
Lab File: BG034010.D
Acq: 26 Apr 2018 6:39

Tgt Ion:248 Resp: 20377
Ion Ratio Lower Upper
248 100
250 181.8 77.1 115.7#
141 348.4 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.46 min Scan# 3093

Delta R.T. -0.03 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

Instrument :

BNA_G

ClientSampled :

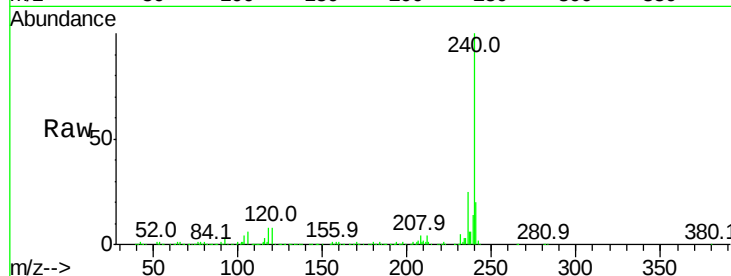
Tot Ion:240 Resp: 541980

Ion Ratio Lower Upper

240 100

120 8.5 6.8 10.2

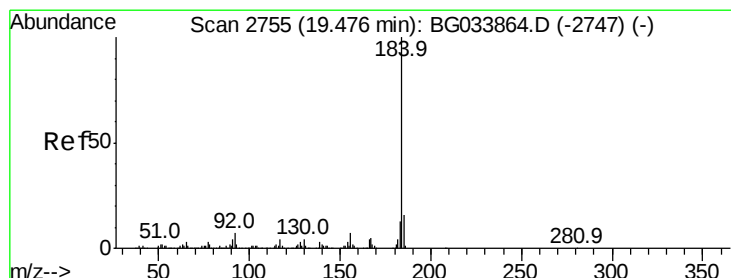
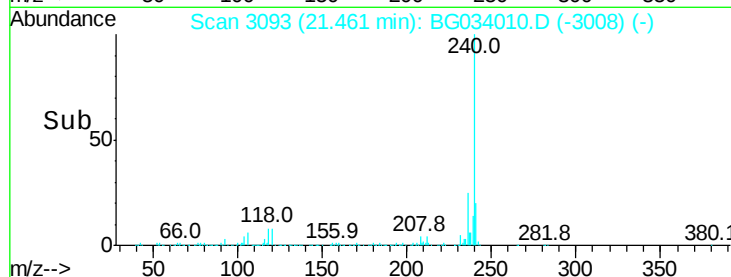
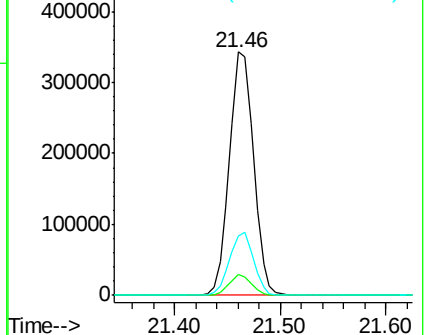
236 24.6 20.9 31.3



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: 2.489 ng

RT: 19.84 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

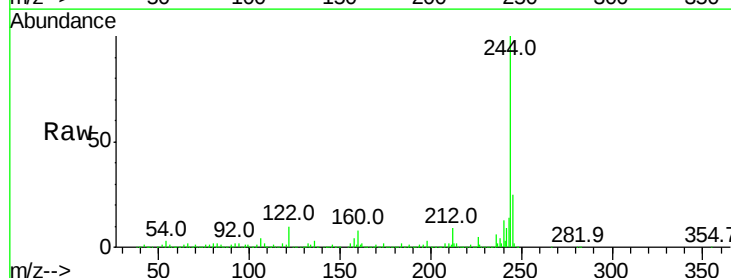
Tgt Ion:184 Resp: 36427

Ion Ratio Lower Upper

184 100

185 20.3 11.1 16.7#

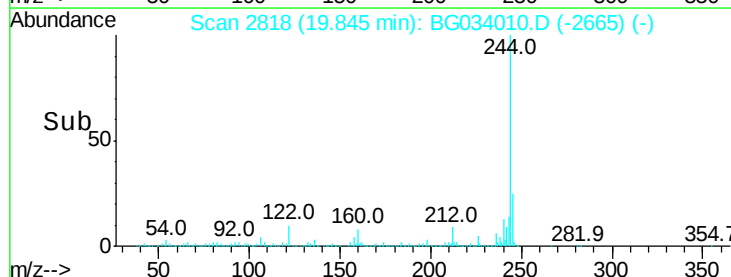
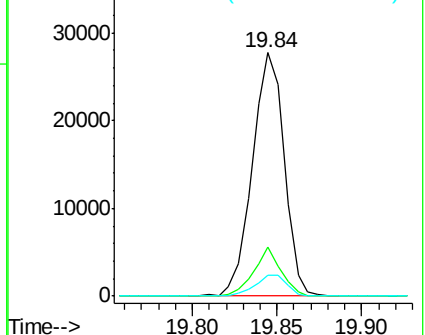
183 8.7 10.6 16.0#

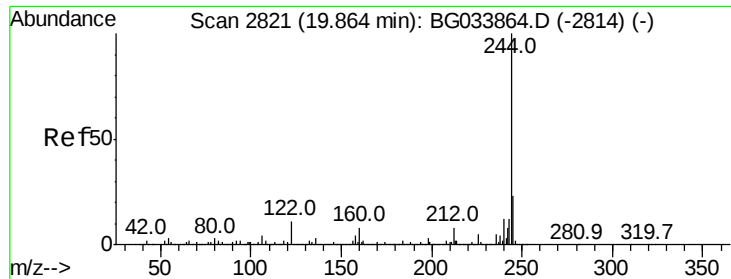


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.296 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

Instrument :

BNA_G

ClientSampleId :

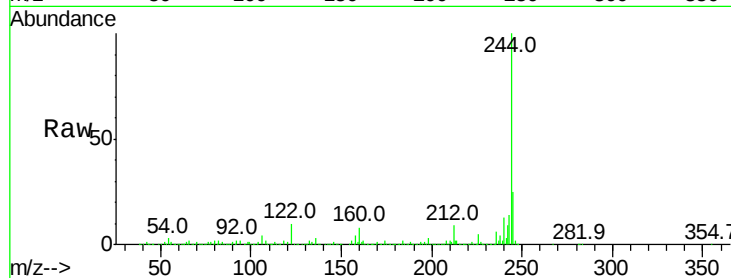
Tot Ion:244 Resp: 2250701

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

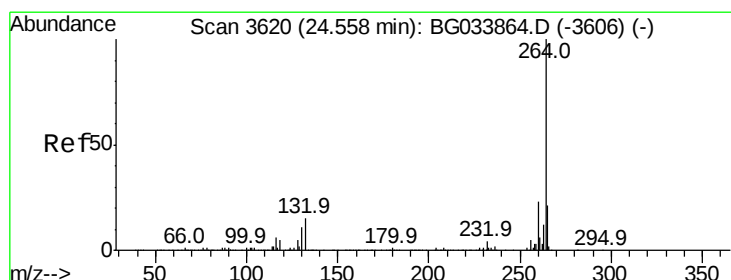
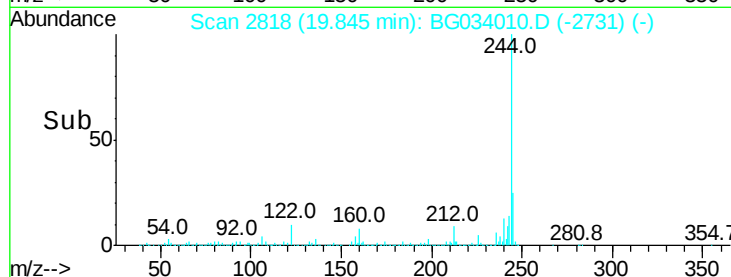
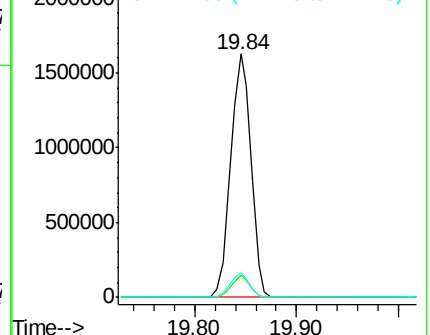
122 10.4 7.0 10.4



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG034010.D

Acq: 26 Apr 2018 6:39

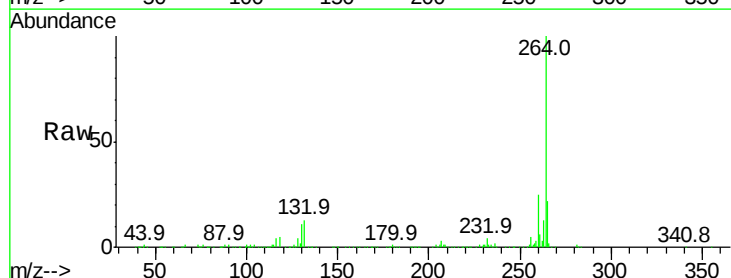
Tgt Ion:264 Resp: 534277

Ion Ratio Lower Upper

264 100

260 24.9 17.4 26.0

265 22.2 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

