

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG034006.D
 Acq On : 26 Apr 2018 4:07
 Operator : SJ/JU
 Sample : J2155-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 07:20:12 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

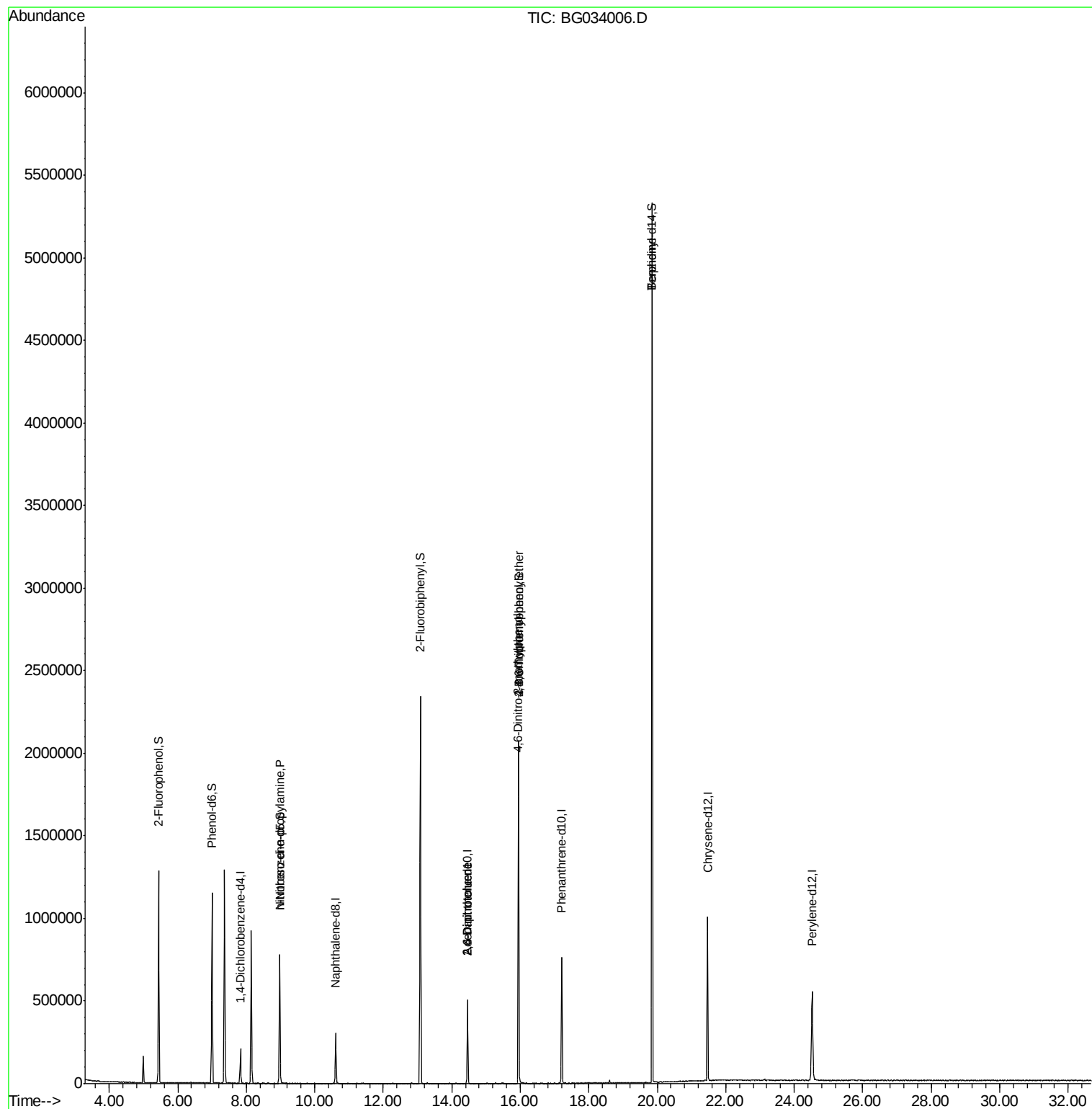
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	59349	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	263306	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	178216	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	502016	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	588369	20.00	ng	-0.03
86) Perylene-d12	24.52	264	575522	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	531357	142.94	ng	0.00
7) Phenol-d6	7.00	99	661696	122.04	ng	0.00
23) Nitrobenzene-d5	8.97	82	473611	102.36	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	396016	190.47	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1211080	99.83	ng	-0.02
78) Terphenyl-d14	19.84	244	2458461	93.87	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1276	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	66089	14.299 ng	#	79
50) 2,6-Dinitrotoluene	14.46	165	23448	7.893 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	23448	5.935 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	1010	6.850 ng	#	77
66) 4-Bromophenyl-phenylether	15.95	248	21265	3.857 ng	#	1
76) Benizidine	19.84	184	39262	2.471 ng	#	93

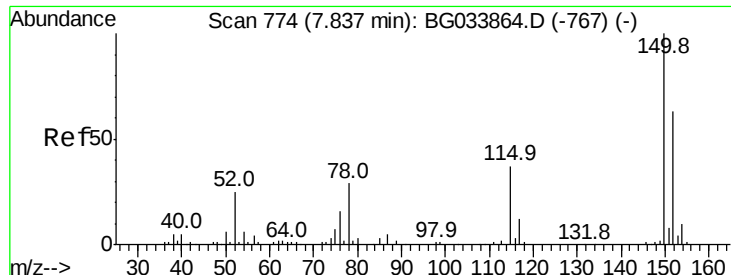
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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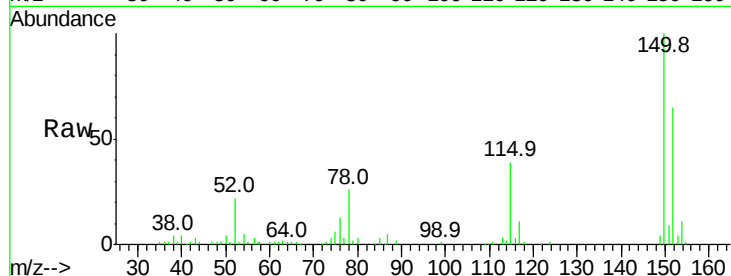


#1

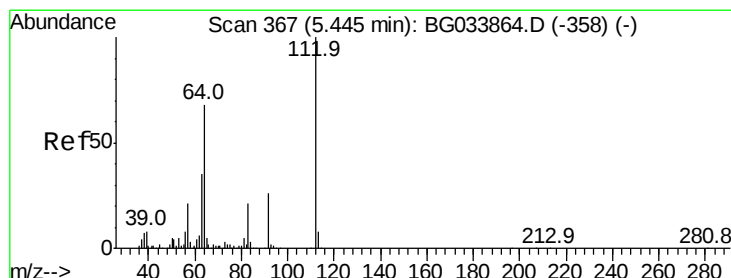
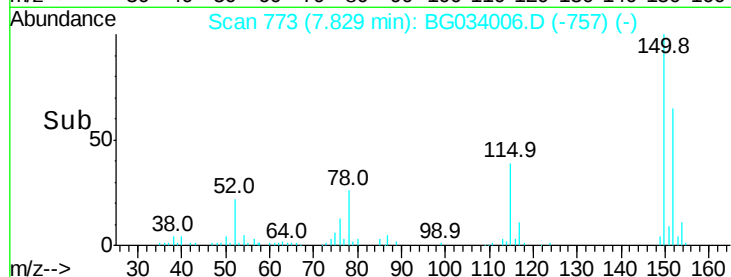
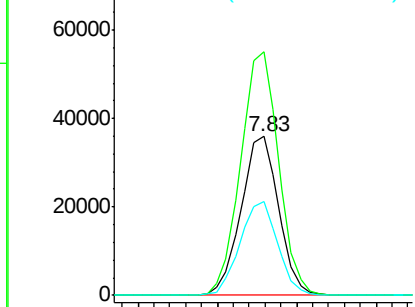
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG034006.D
Acq: 26 Apr 2018 4:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59349
Ion Ratio Lower Upper
152 100
150 153.1 126.6 189.8
115 59.2 53.0 79.4



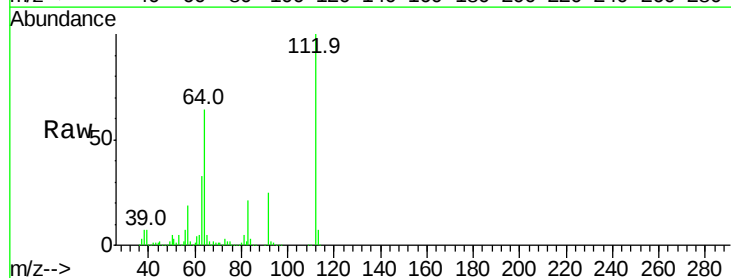
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



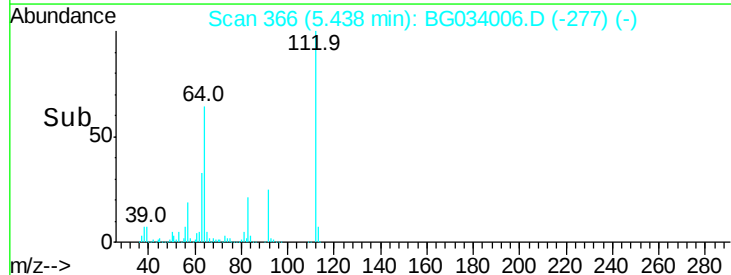
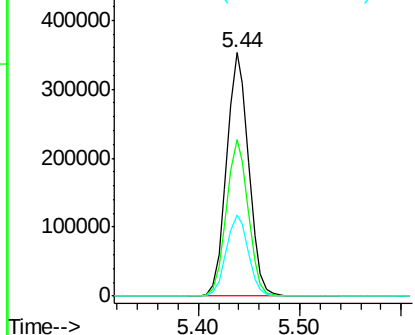
#5

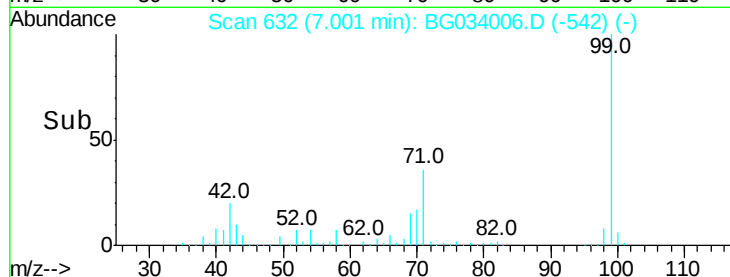
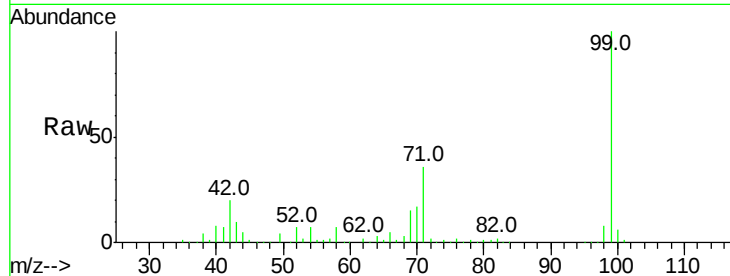
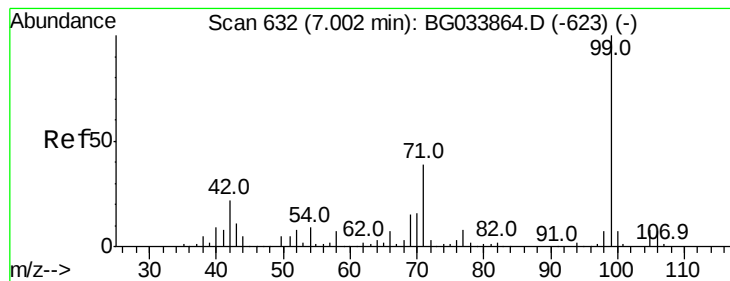
2-Fluorophenol
Concen: 142.939 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG034006.D
Acq: 26 Apr 2018 4:07

Tgt Ion:112 Resp: 531357
Ion Ratio Lower Upper
112 100
64 64.3 56.3 84.5
63 33.2 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: 122.039 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Instrument :

BNA_G

ClientSampleId :

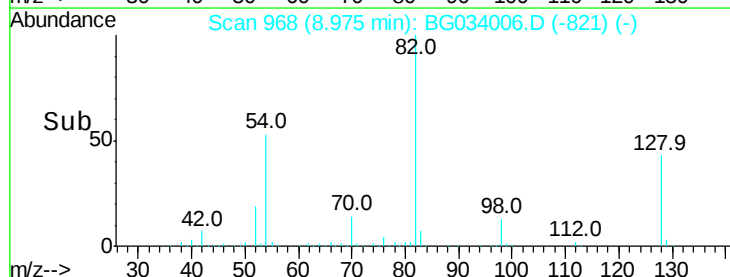
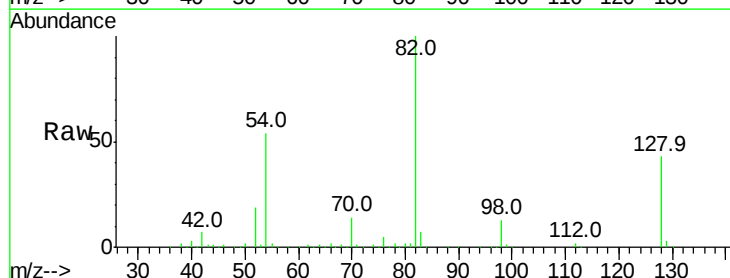
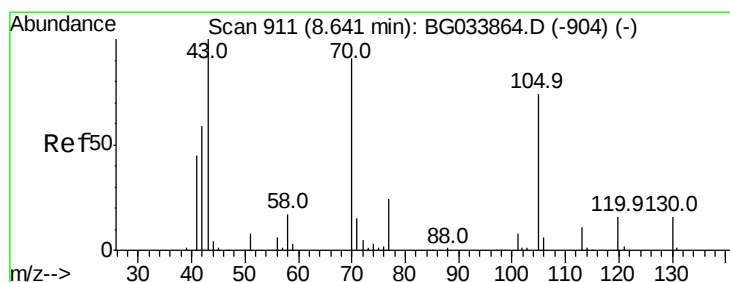
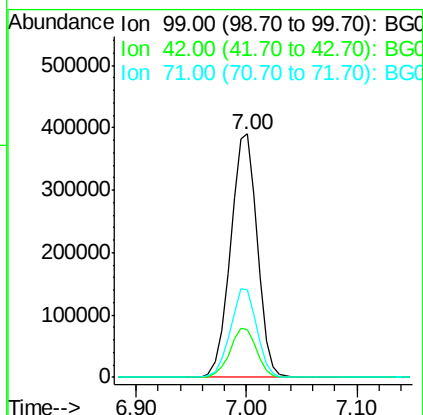
Tot Ion: 99 Resp: 661696

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

71 35.7 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.299 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Tgt Ion: 70 Resp: 66089

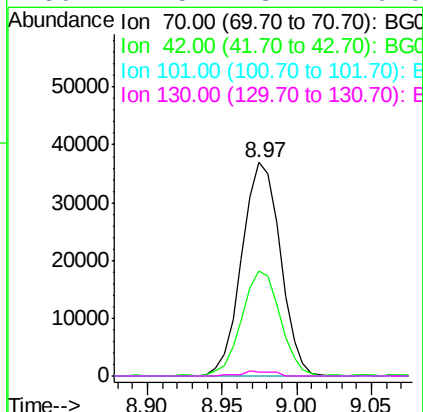
Ion Ratio Lower Upper

70 100

42 49.0 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 263306

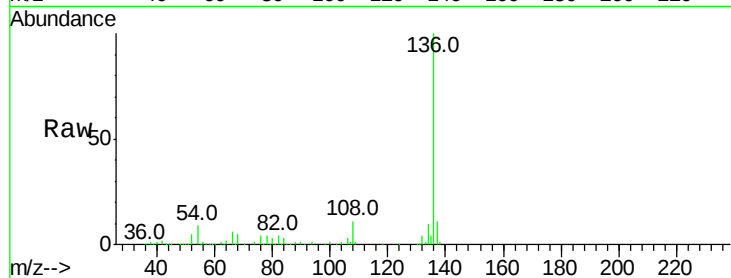
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 8.8 10.3 15.5#

68 5.4 4.5 6.7

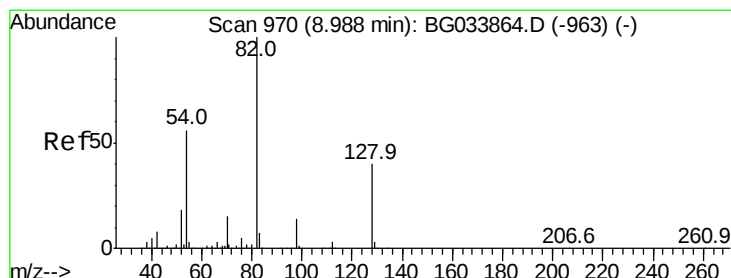
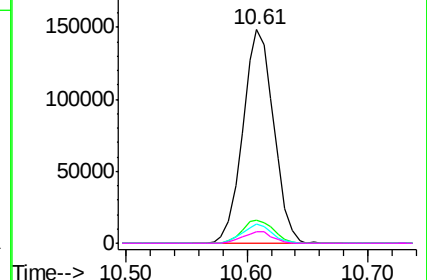
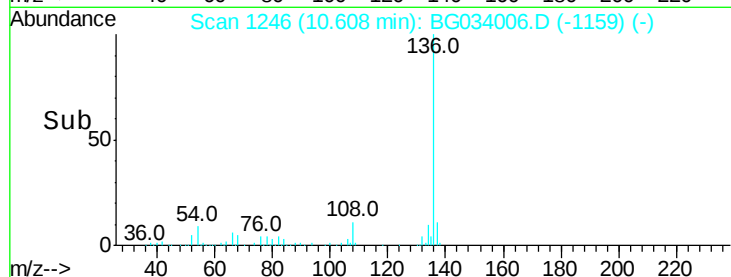


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.364 ng

RT: 8.97 min Scan# 968

Delta R.T. -0.01 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

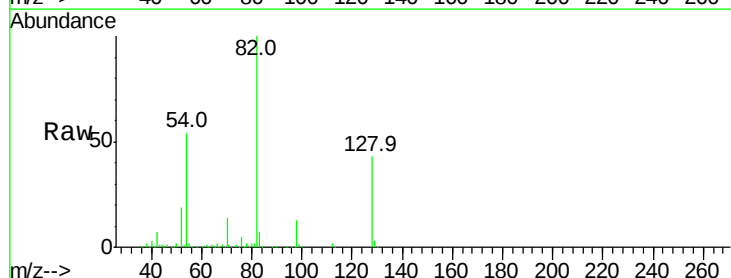
Tgt Ion: 82 Resp: 473611

Ion Ratio Lower Upper

82 100

128 42.8 29.7 44.5

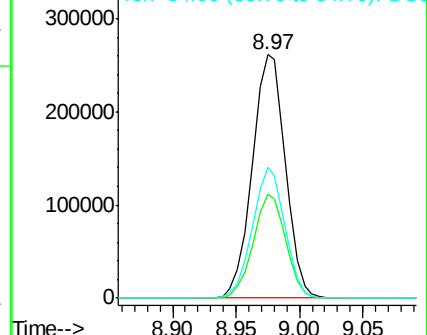
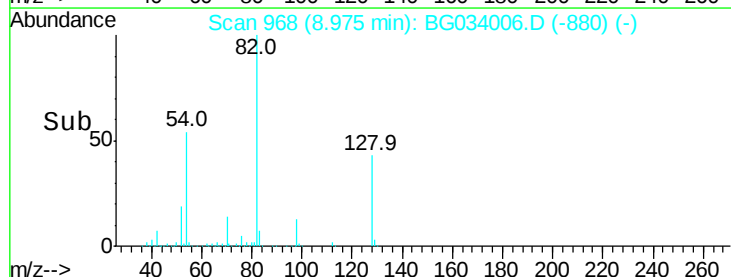
54 53.6 43.1 64.7

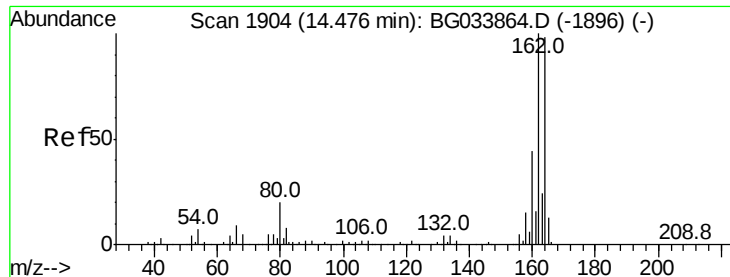


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: BG034006.D

Acq: 26 Apr 2018 4:07

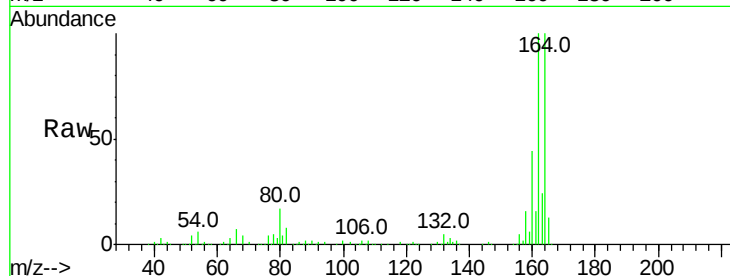
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 178216

Ion	Ratio	Lower	Upper
164	100		
162	100.3	78.8	118.2
160	44.0	35.4	53.0

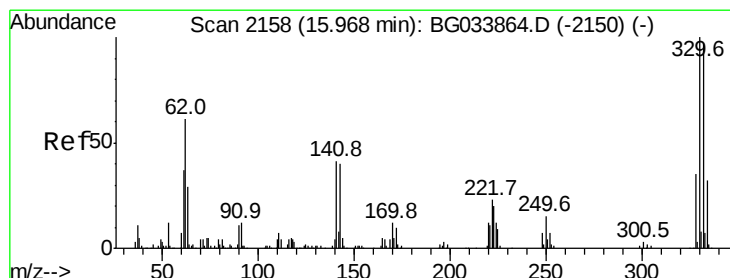
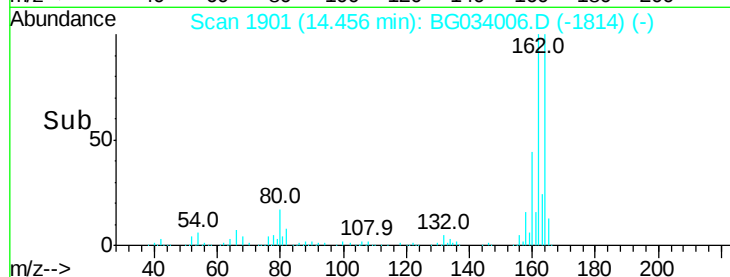
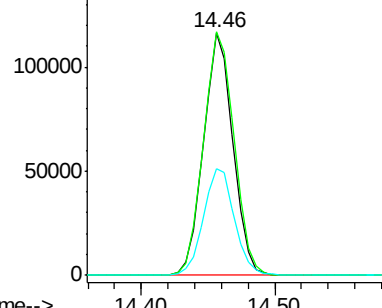


Abundance

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: 190.468 ng

RT: 15.95 min Scan# 2155

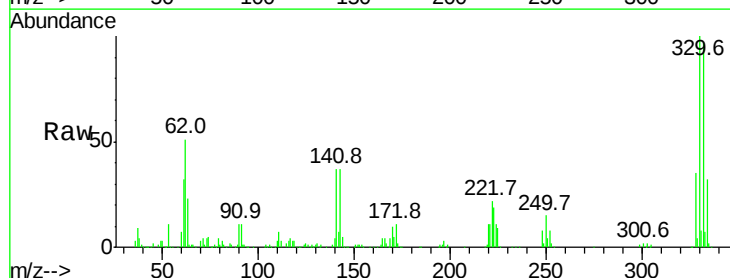
Delta R.T. -0.02 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Tgt Ion:330 Resp: 396016

Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	36.8	25.2	37.8

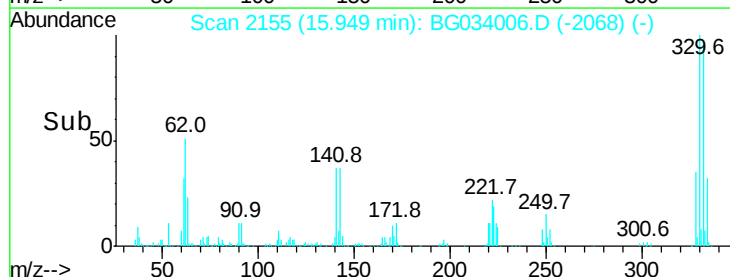
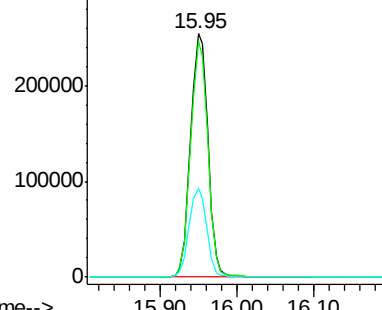


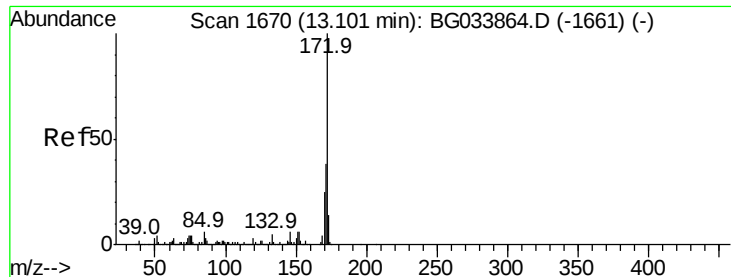
Abundance

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

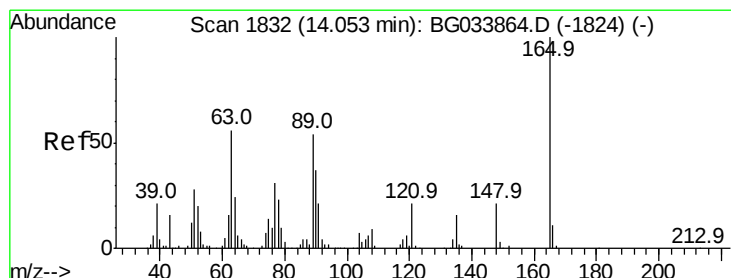
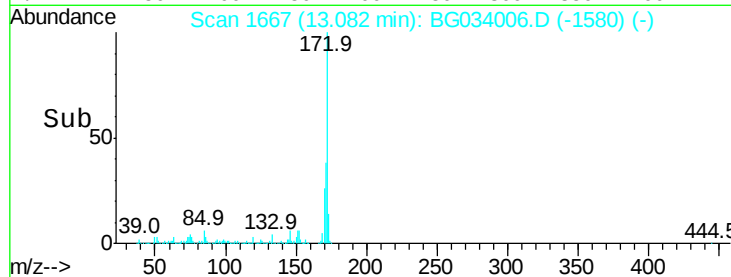
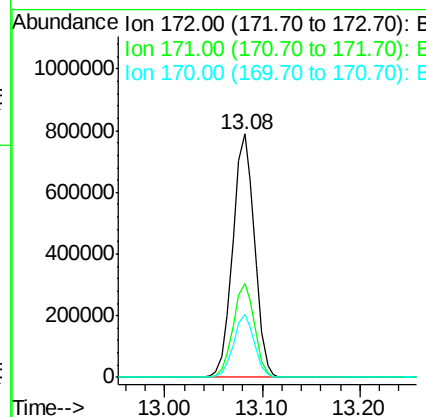
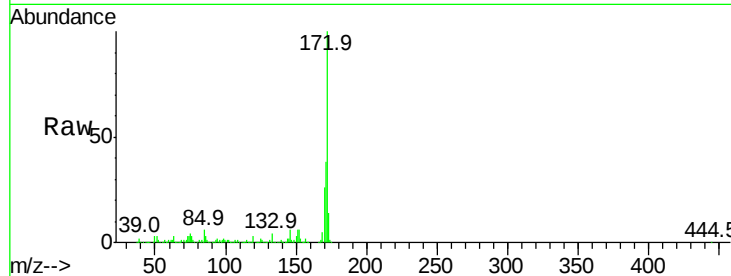




#44
2-Fluorobiphenyl
Concen: 99.829 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG034006.D
Acq: 26 Apr 2018 4:07

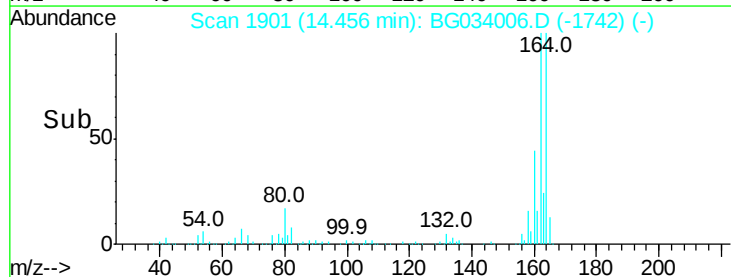
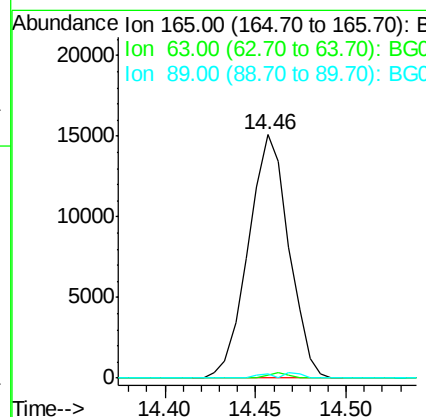
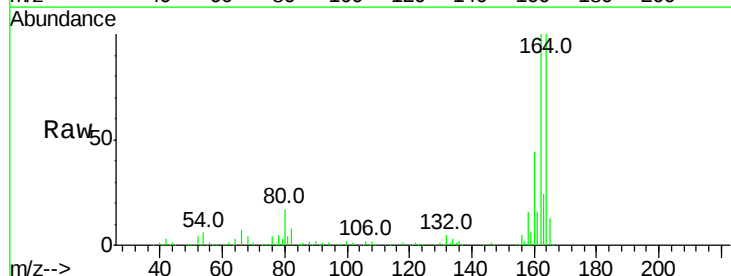
Instrument :
BNA_G
ClientSampleId :

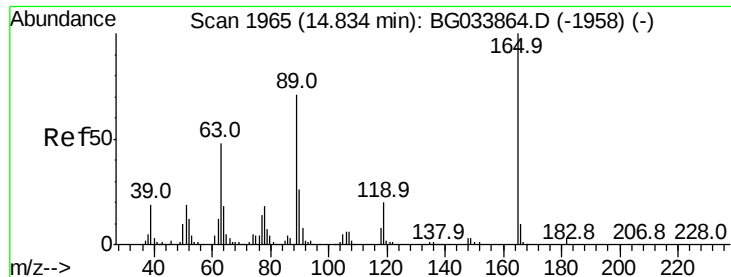
Tot Ion:172 Resp: 1211080
Ion Ratio Lower Upper
172 100
171 38.5 30.0 45.0
170 25.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.893 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG034006.D
Acq: 26 Apr 2018 4:07

Tgt Ion:165 Resp: 23448
Ion Ratio Lower Upper
165 100
63 1.1 52.7 79.1#
89 1.8 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.935 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 23448

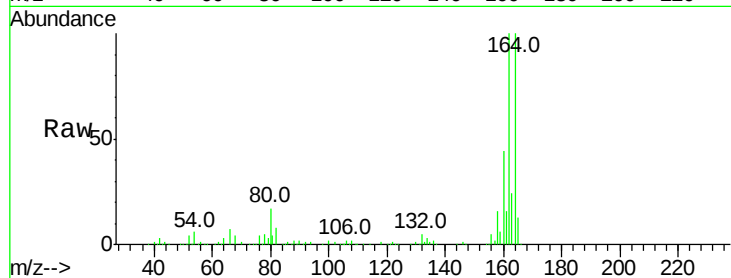
Ion Ratio Lower Upper

165 100

63 1.1 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

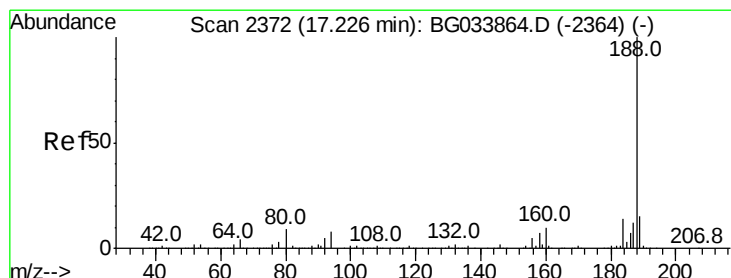
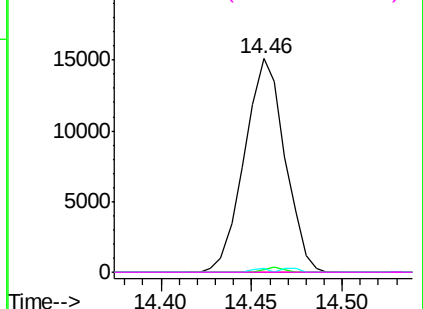
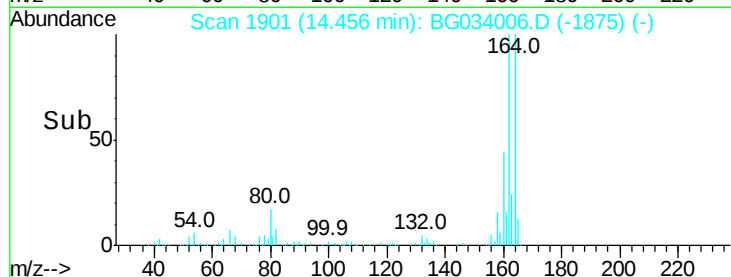


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

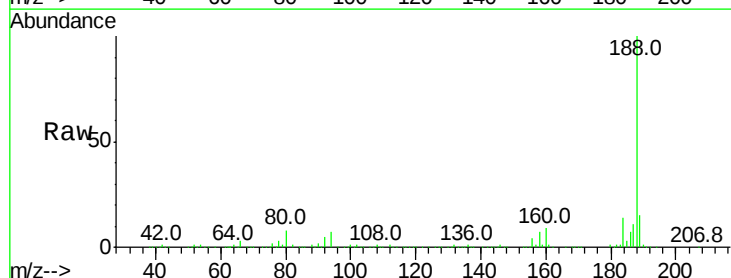
Tgt Ion:188 Resp: 502016

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

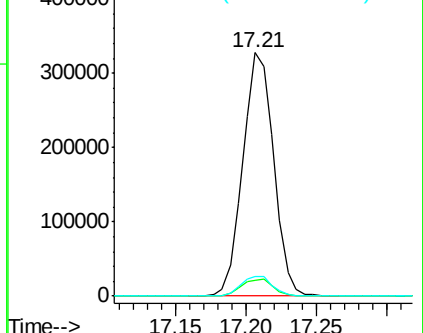
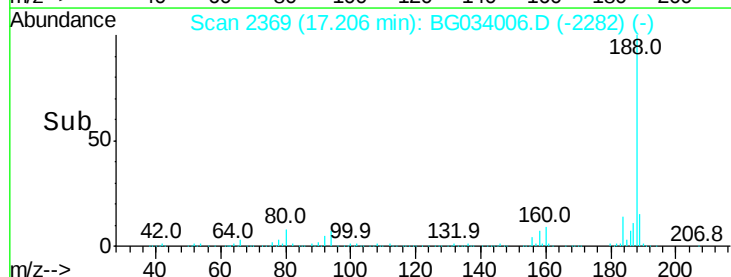
80 7.9 7.7 11.5

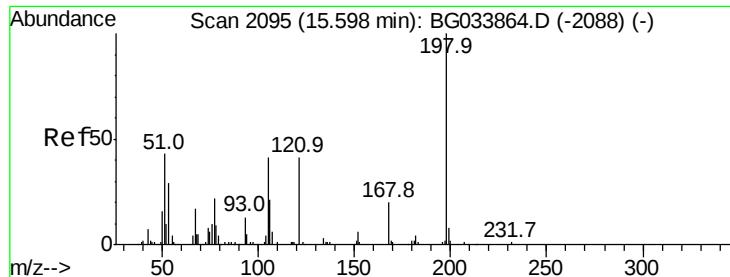


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

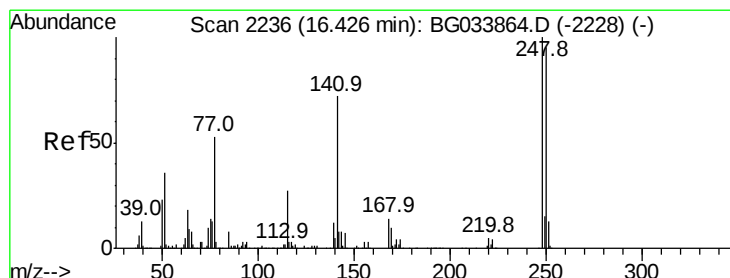
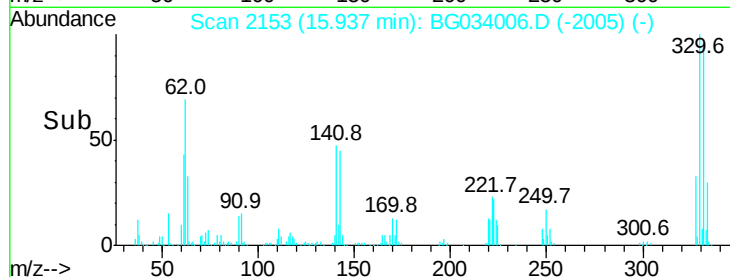
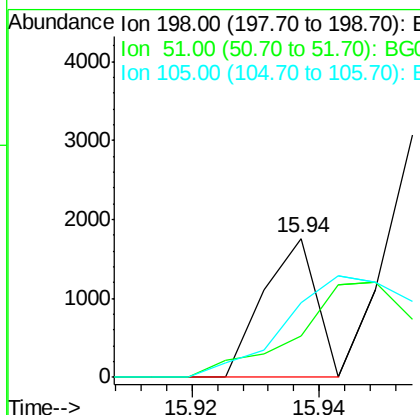
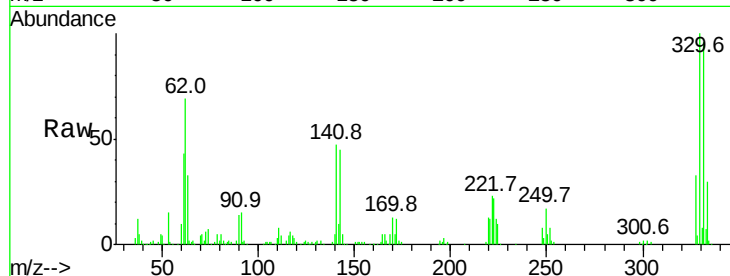




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.850 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG034006.D
 Acq: 26 Apr 2018 4:07

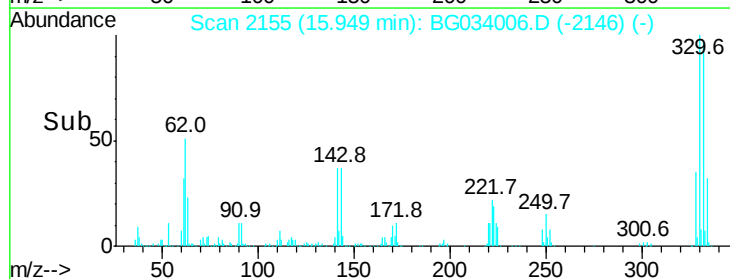
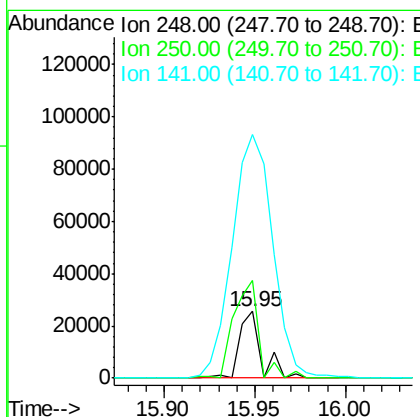
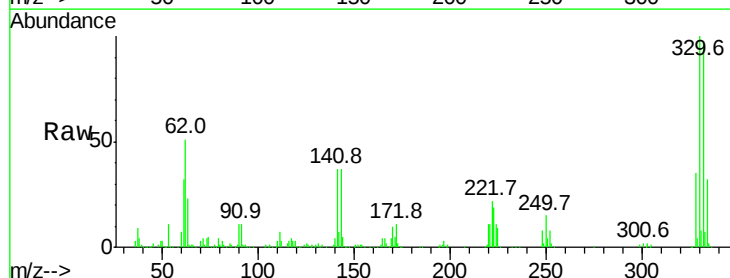
Instrument :
 BNA_G
 ClientSampled :

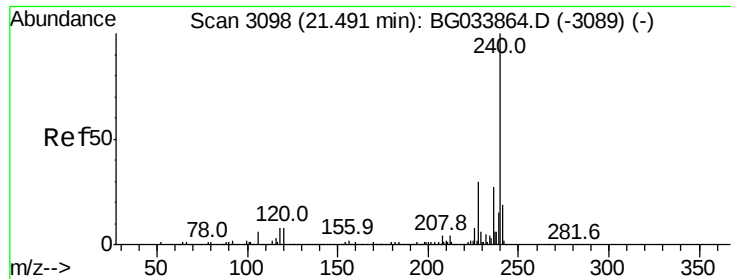
Tot Ion:198 Resp: 1010
 Ion Ratio Lower Upper
 198 100
 51 29.9 30.6 70.6#
 105 53.4 23.8 63.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.857 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG034006.D
 Acq: 26 Apr 2018 4:07

Tgt Ion:248 Resp: 21265
 Ion Ratio Lower Upper
 248 100
 250 191.2 77.1 115.7#
 141 364.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.03 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Instrument :

BNA_G

ClientSampleId :

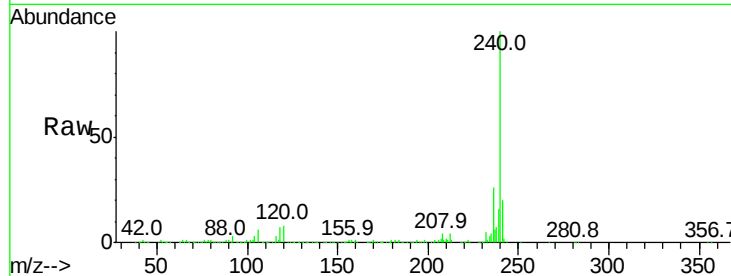
Tot Ion:240 Resp: 588369

Ion Ratio Lower Upper

240 100

120 7.5 6.8 10.2

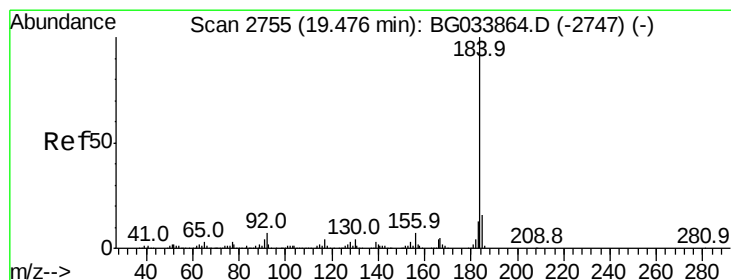
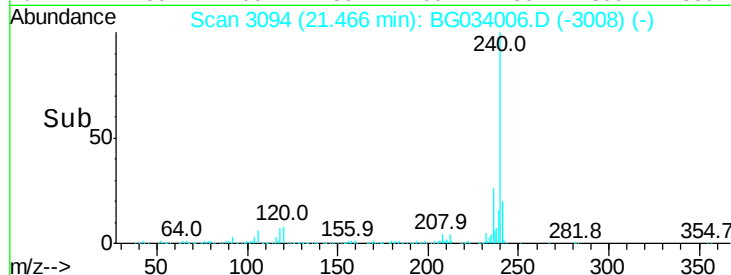
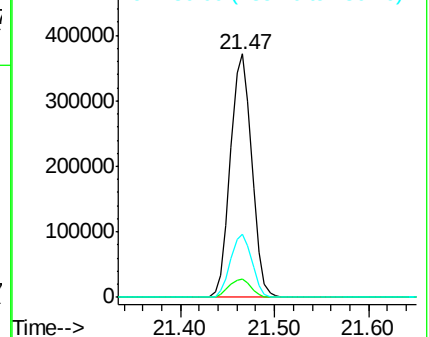
236 26.1 20.9 31.3



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: 2.471 ng

RT: 19.84 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

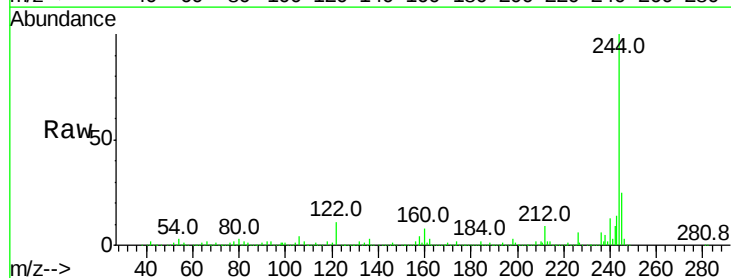
Tgt Ion:184 Resp: 39262

Ion Ratio Lower Upper

184 100

185 13.9 11.1 16.7

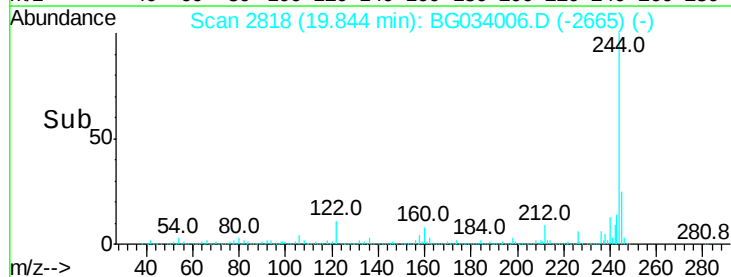
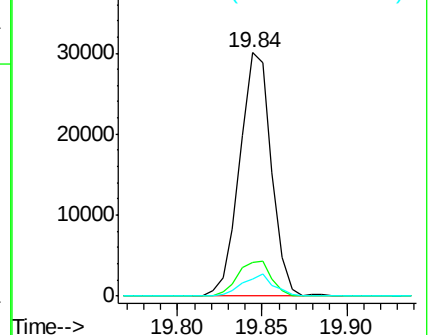
183 7.2 10.6 16.0#

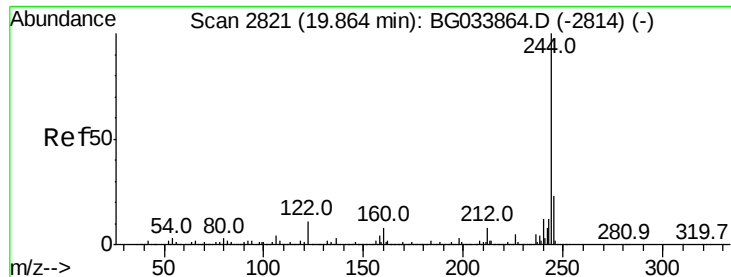


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.873 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

Instrument :

BNA_G

ClientSampleId :

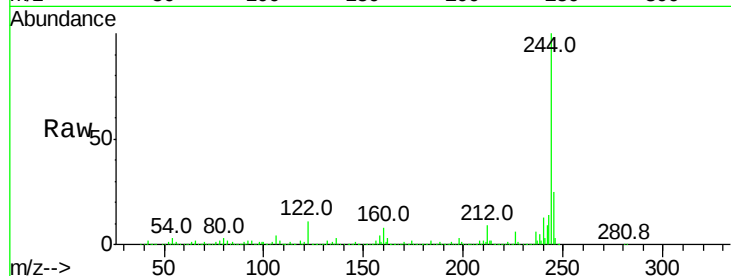
Tot Ion:244 Resp: 2458461

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

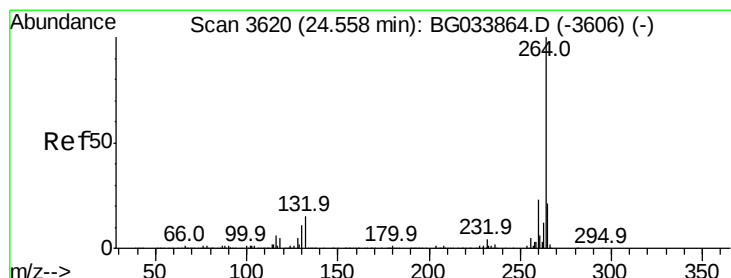
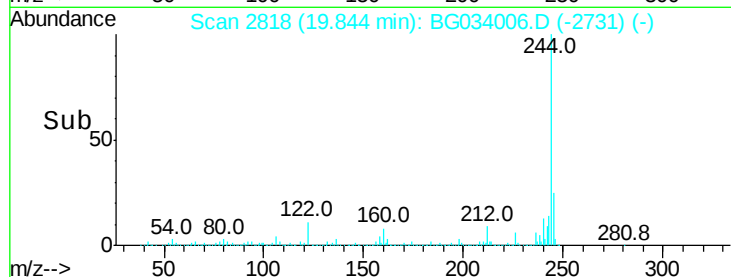
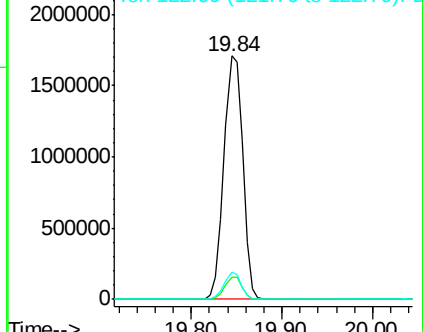
122 11.0 7.0 10.4#



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG034006.D

Acq: 26 Apr 2018 4:07

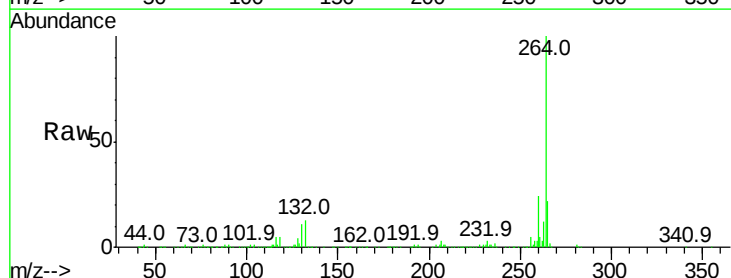
Tgt Ion:264 Resp: 575522

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 22.0 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

