

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033944.D
 Acq On : 24 Apr 2018 6:45
 Operator : SJ/JU
 Sample : J2499-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 08:05:19 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

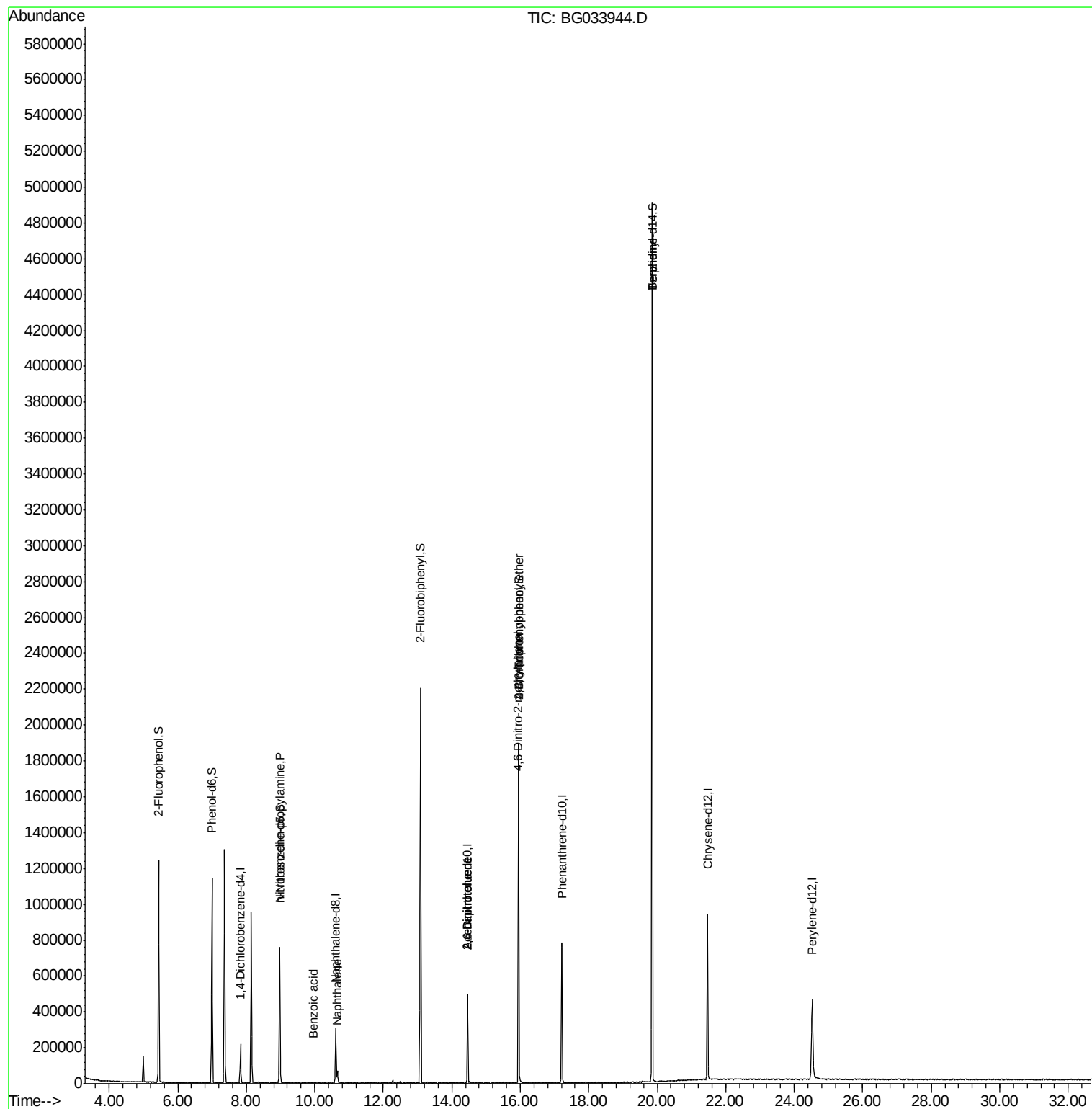
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	59579	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	260659	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	173255	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	495253	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	541345	20.00	ng	-0.03
86) Perylene-d12	24.52	264	529307	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	520877	139.58	ng	0.00
7) Phenol-d6	7.00	99	646590	118.79	ng	0.00
23) Nitrobenzene-d5	8.97	82	458664	100.14	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	327660	162.10	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1141093	96.75	ng	-0.02
78) Terphenyl-d14	19.85	244	2246840	93.25	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1280	Below Cal	Qvalue	# 21
19) n-Nitroso-di-n-propylamine	8.98	70	63268	13.636 ng	#	80
31) Naphthalene	10.66	128	56378	4.206 ng	#	96
32) Benzoic acid	9.94	122	166	5.124 ng	#	44
50) 2,6-Dinitrotoluene	14.46	165	22674	7.851 ng	#	22
56) 2,4-Dinitrotoluene	14.46	165	22674	5.904 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.94	198	1429	7.007 ng	#	79
66) 4-Bromophenyl-phenylether	15.95	248	19510	3.587 ng	#	1
76) Benzidine	19.85	184	39135	2.677 ng	#	89

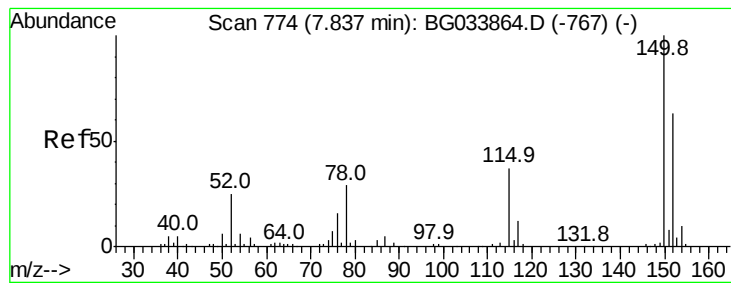
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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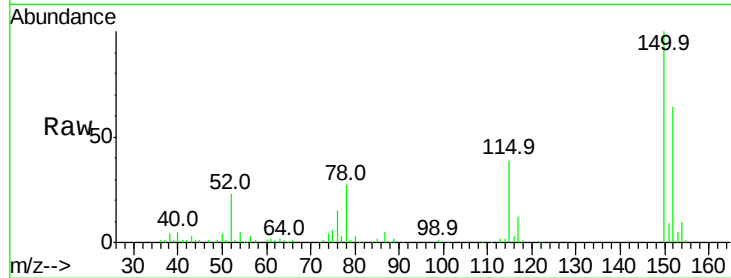


#1

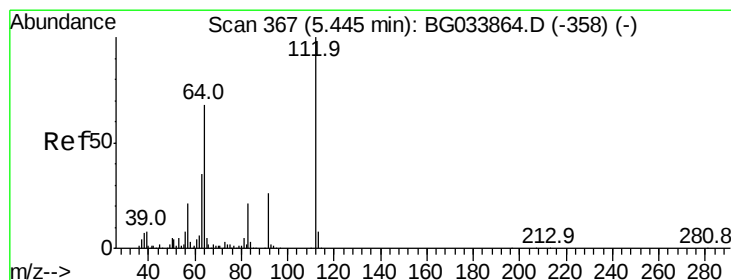
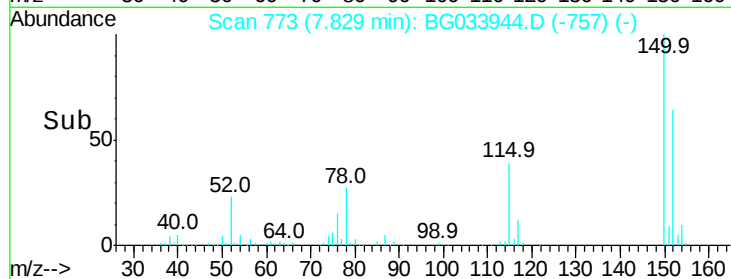
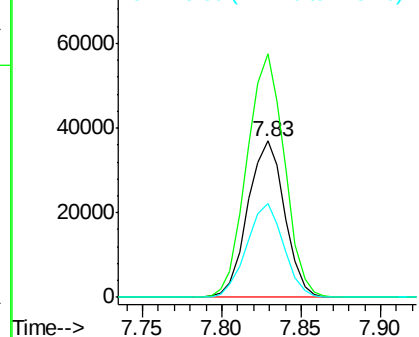
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033944.D
Acq: 24 Apr 2018 6:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59579
Ion Ratio Lower Upper
152 100
150 155.9 126.6 189.8
115 60.1 53.0 79.4



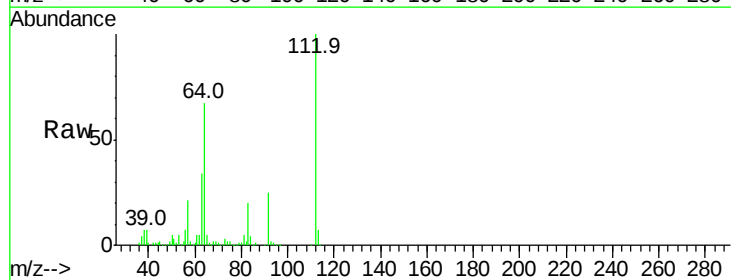
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



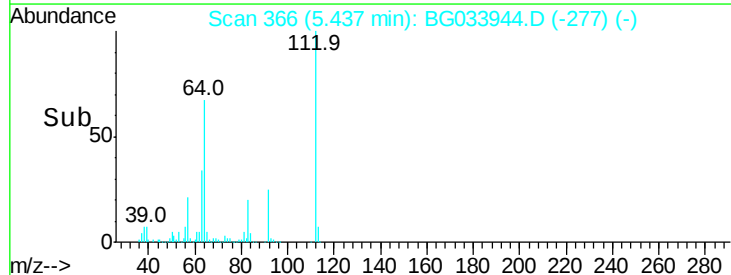
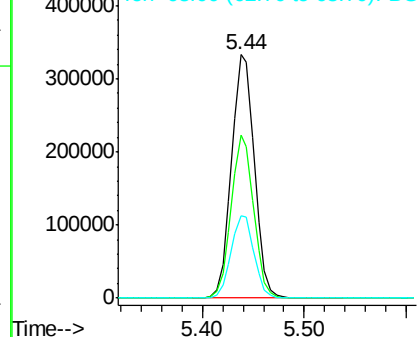
#5

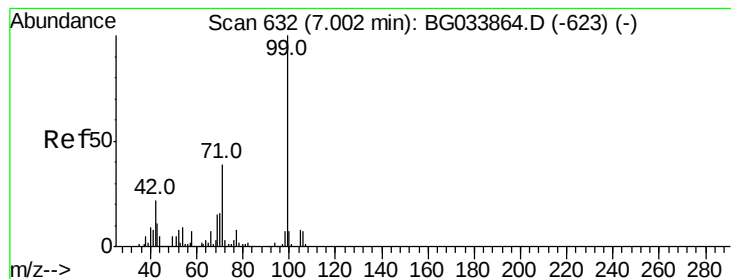
2-Fluorophenol
Concen: 139.579 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033944.D
Acq: 24 Apr 2018 6:45

Tgt Ion:112 Resp: 520877
Ion Ratio Lower Upper
112 100
64 67.1 56.3 84.5
63 34.1 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: 118.793 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

Instrument :

BNA_G

ClientSampleId :

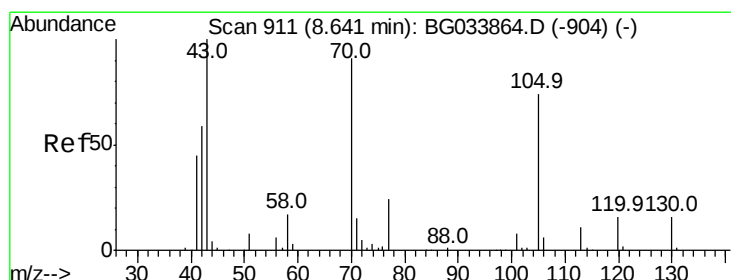
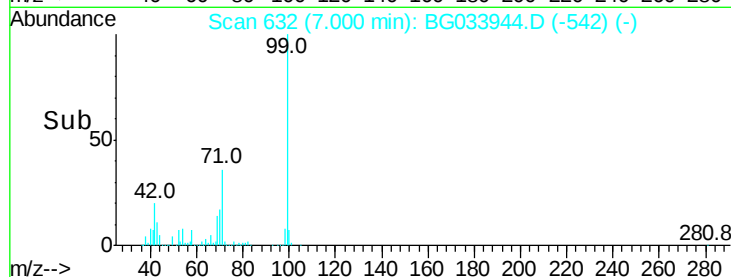
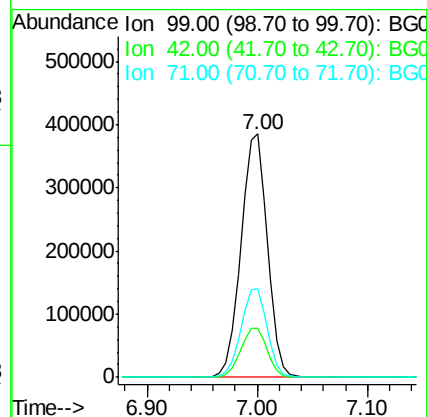
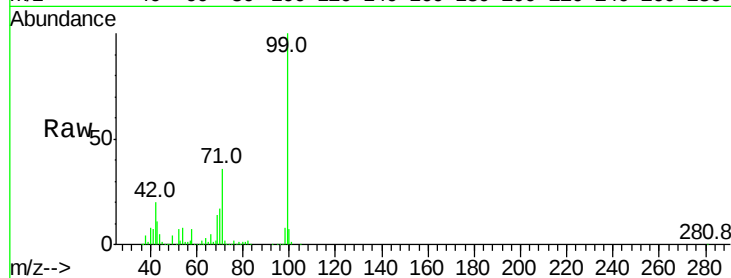
Tot Ion: 99 Resp: 646590

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

71 36.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.636 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

Tgt Ion: 70 Resp: 63268

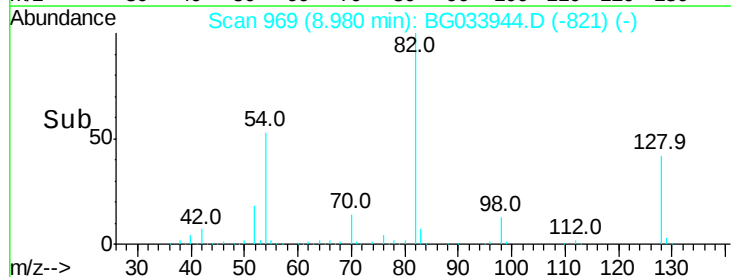
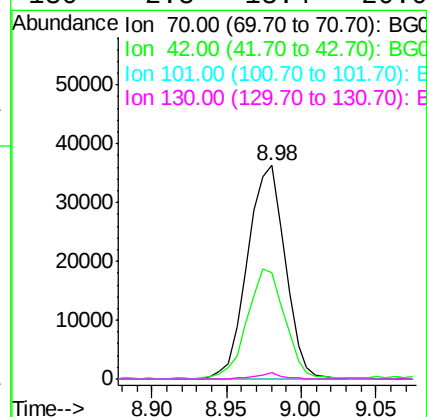
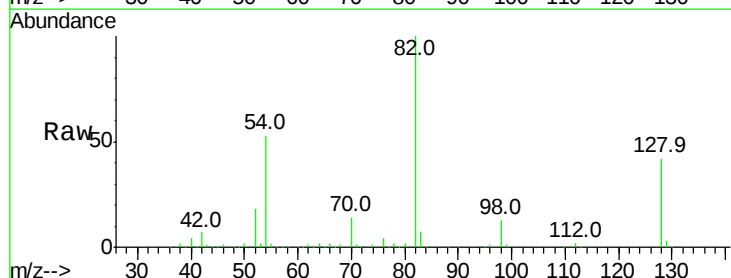
Ion Ratio Lower Upper

70 100

42 50.0 49.1 73.7

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

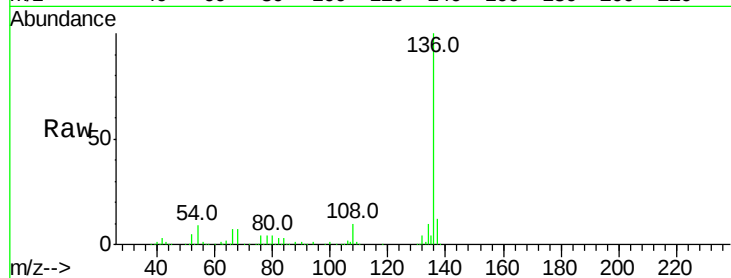




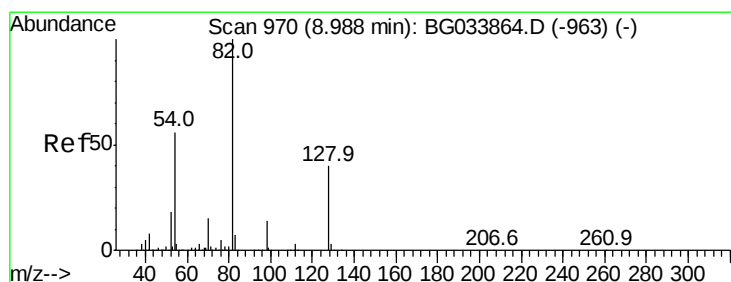
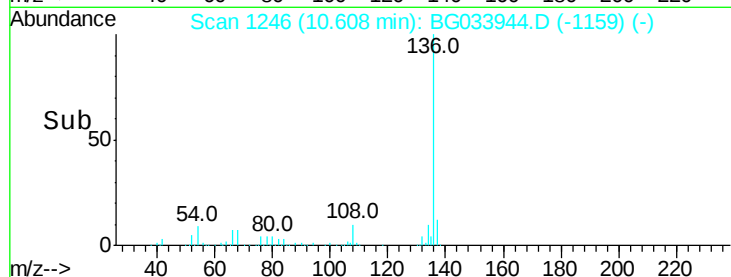
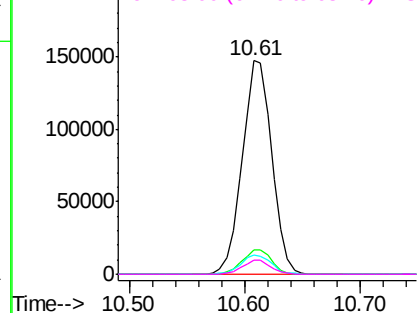
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033944.D
Acq: 24 Apr 2018 6:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	260659
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	9.1	10.3	15.5
68	6.6	4.5	6.7

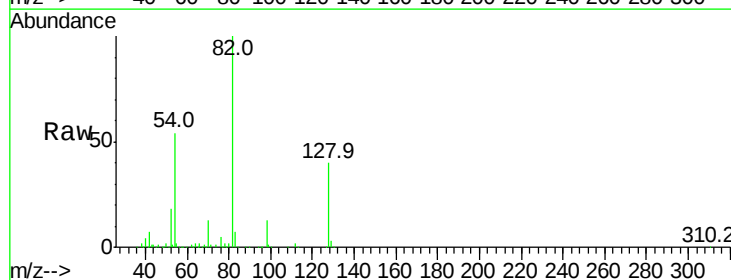


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

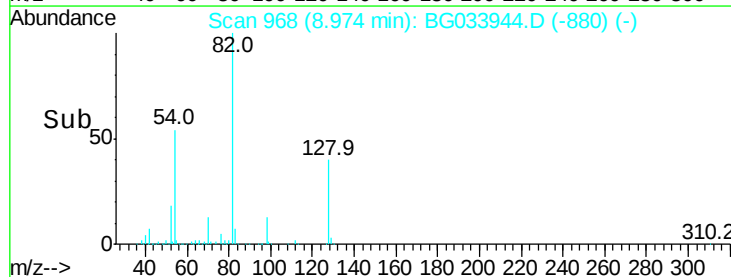
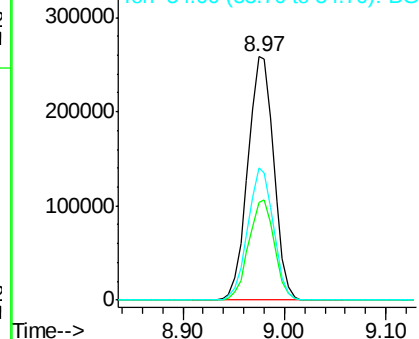


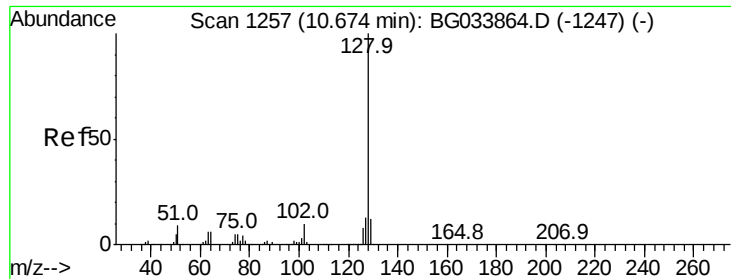
#23
Nitrobenzene-d5
Concen: 100.140 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033944.D
Acq: 24 Apr 2018 6:45

Tgt Ion:	82	Resp:	458664
Ion	Ratio	Lower	Upper
82	100		
128	40.3	29.7	44.5
54	54.4	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





#31

Naphthalene

Concen: 4.206 ng

RT: 10.66 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

Instrument :

BNA_G

ClientSampleId :

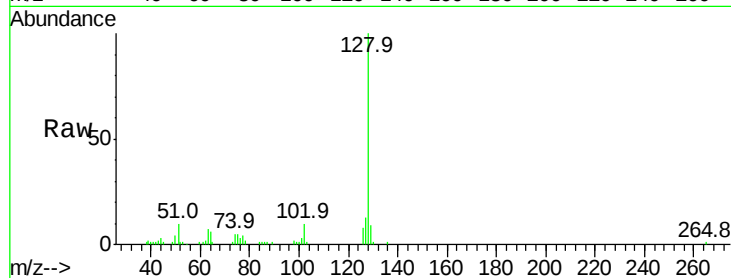
Tot Ion:128 Resp: 56378

Ion Ratio Lower Upper

128 100

129 8.9 8.6 12.8

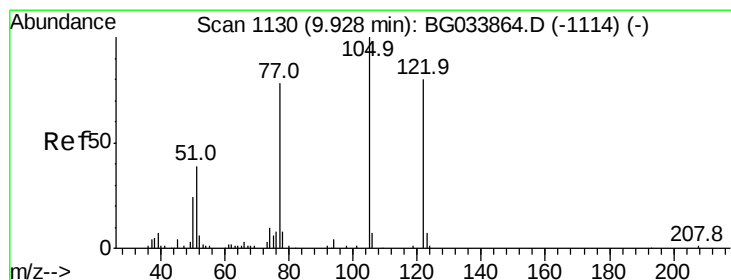
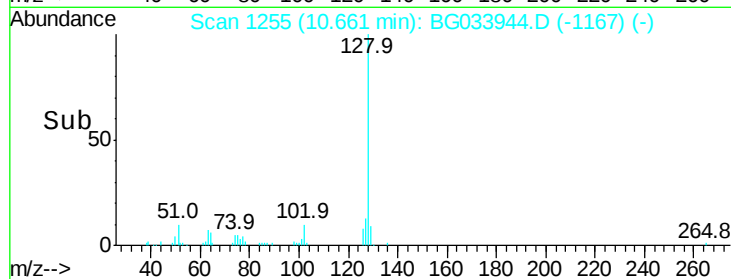
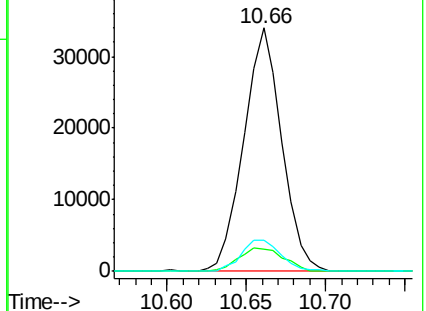
127 12.9 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.124 ng

RT: 9.94 min Scan# 1133

Delta R.T. 0.02 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

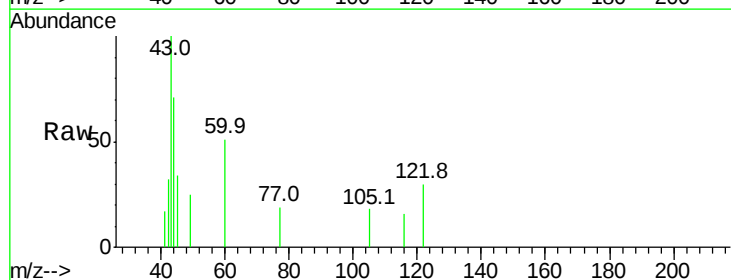
Tgt Ion:122 Resp: 166

Ion Ratio Lower Upper

122 100

105 59.7 123.5 163.5#

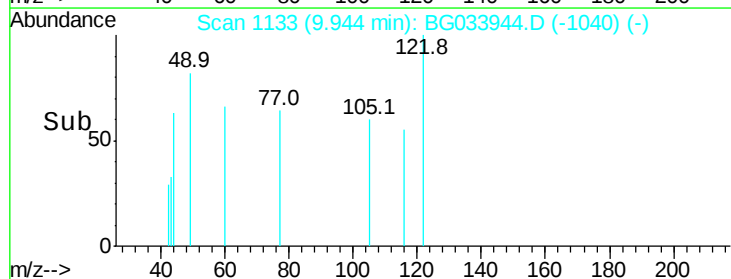
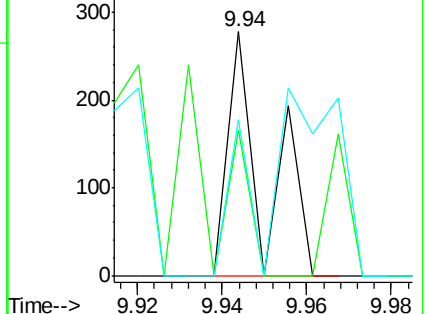
77 63.7 85.7 125.7#

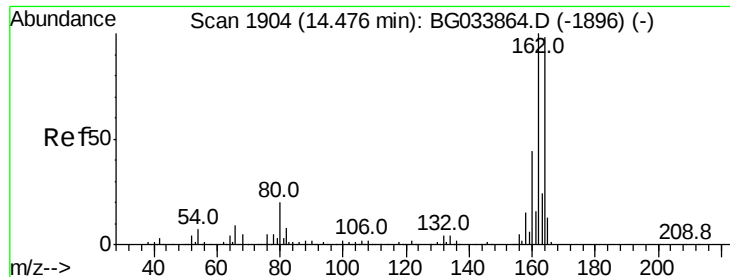


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

Instrument :

BNA_G

ClientSampleId :

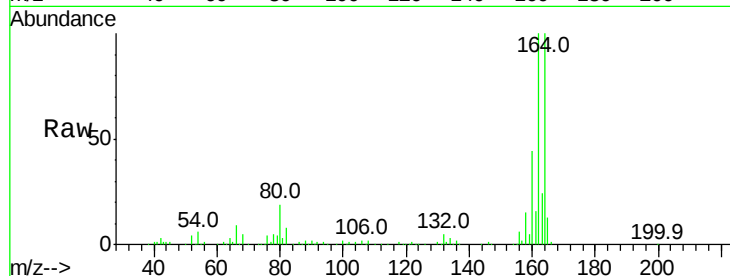
Tot Ion:164 Resp: 173255

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

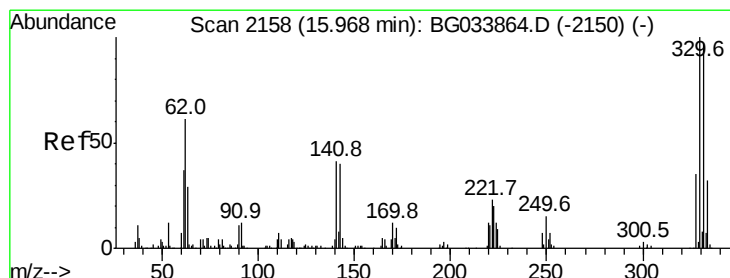
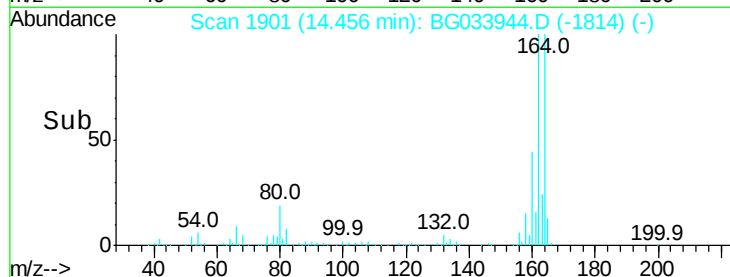
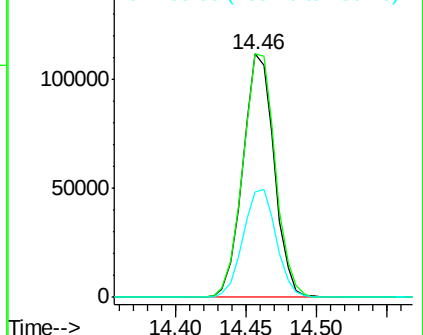
160 43.5 35.4 53.0



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: 162.104 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

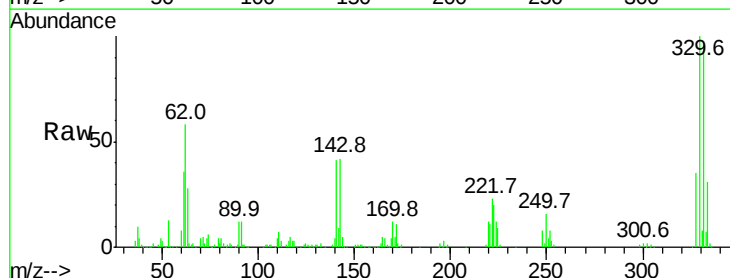
Tgt Ion:330 Resp: 327660

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

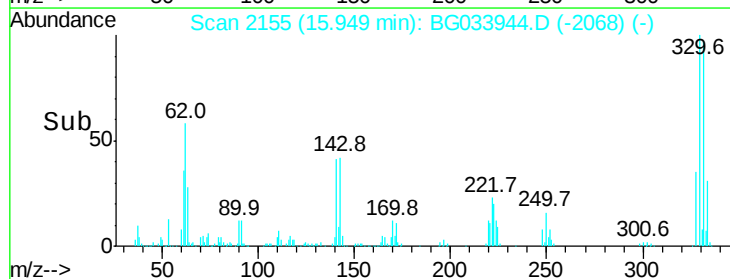
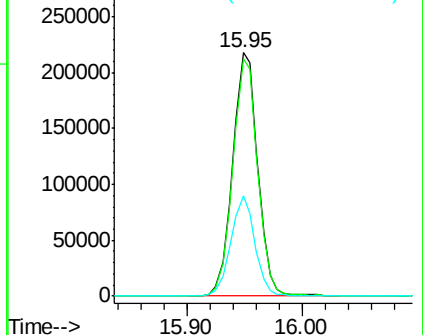
141 39.6 25.2 37.8#

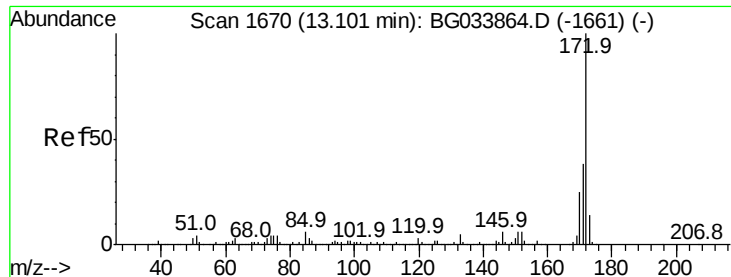


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

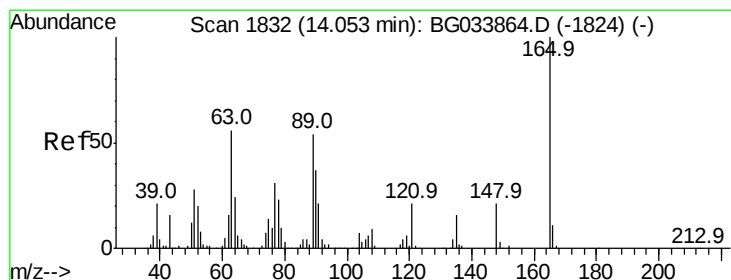
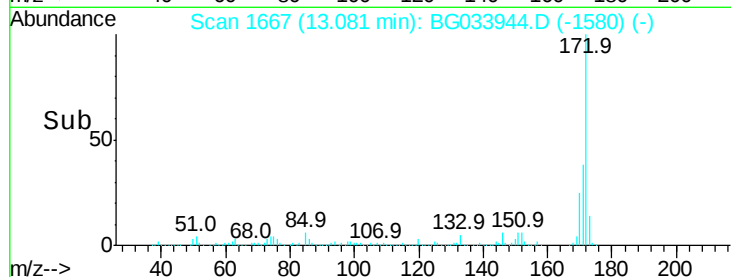
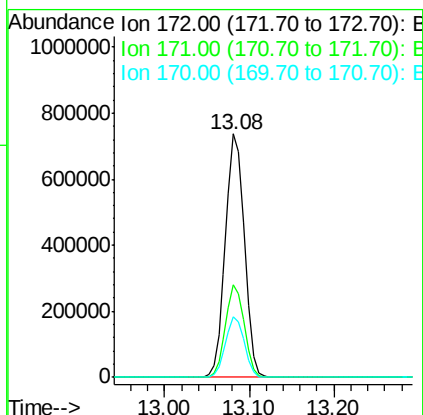
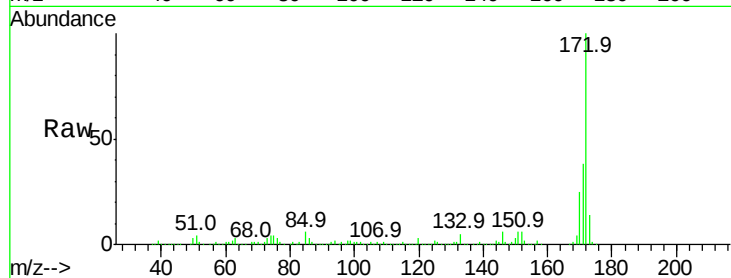




#44
2-Fluorobiphenyl
Concen: 96.753 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033944.D
Acq: 24 Apr 2018 6:45

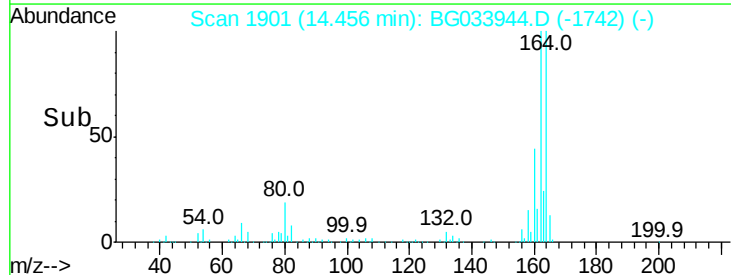
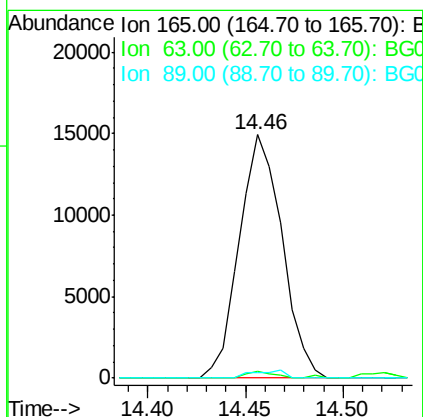
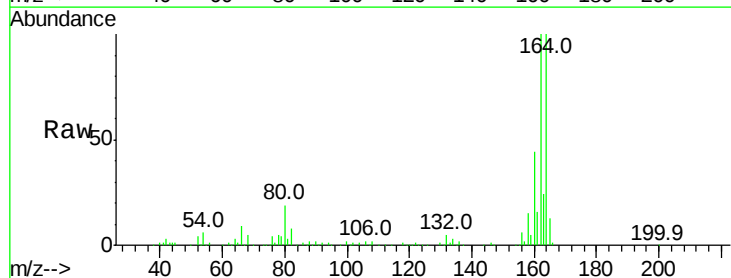
Instrument :
BNA_G
ClientSampleId :

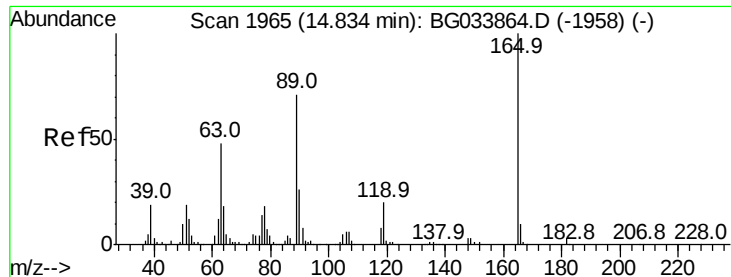
Tot Ion:172 Resp: 1141093
Ion Ratio Lower Upper
172 100
171 38.1 30.0 45.0
170 25.0 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.851 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033944.D
Acq: 24 Apr 2018 6:45

Tgt Ion:165 Resp: 22674
Ion Ratio Lower Upper
165 100
63 3.0 52.7 79.1#
89 2.0 49.2 73.8#

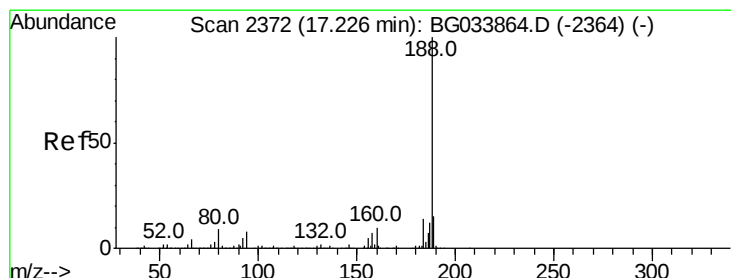
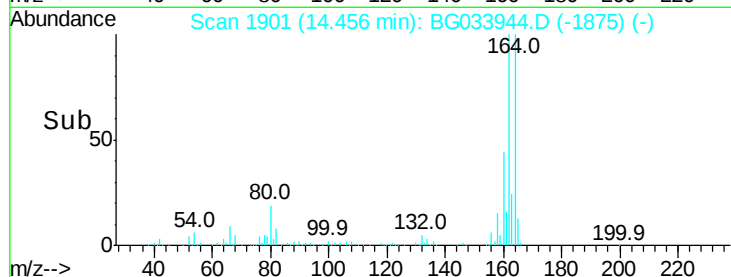
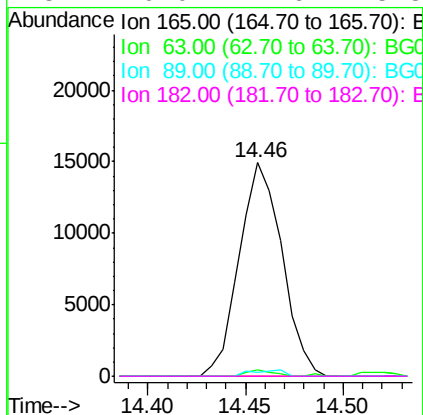
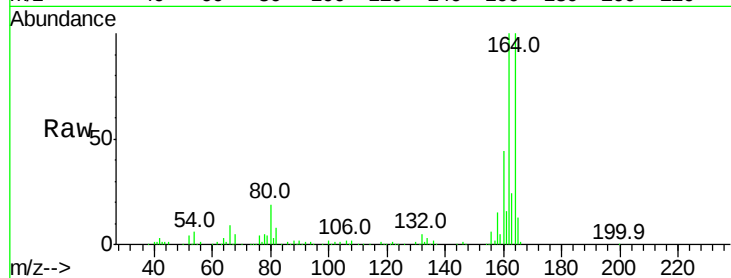




#56
 2,4-Dinitrotoluene
 Concen: 5.904 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033944.D
 Acq: 24 Apr 2018 6:45

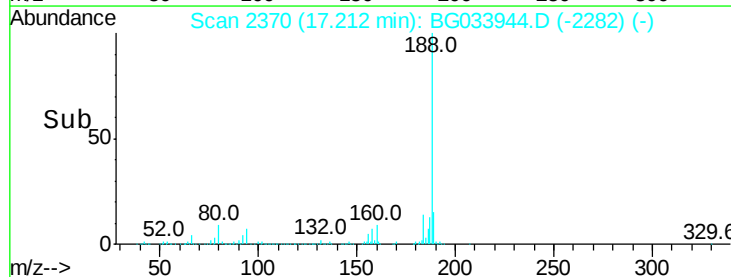
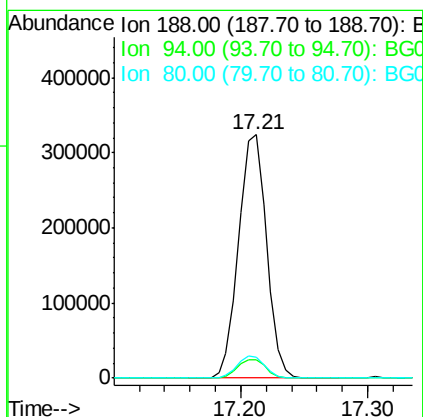
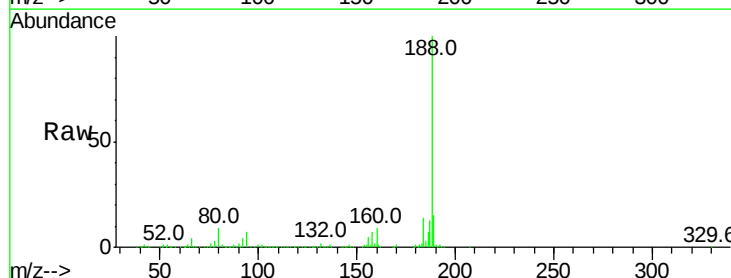
Instrument :
 BNA_G
 ClientSampleId :

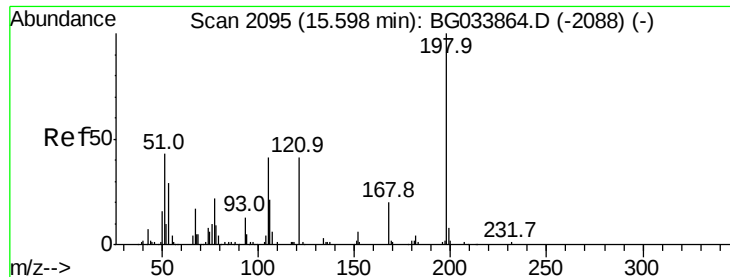
Tot Ion:165 Resp: 22674
 Ion Ratio Lower Upper
 165 100
 63 3.0 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033944.D
 Acq: 24 Apr 2018 6:45

Tgt Ion:188 Resp: 495253
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.8 7.7 11.5

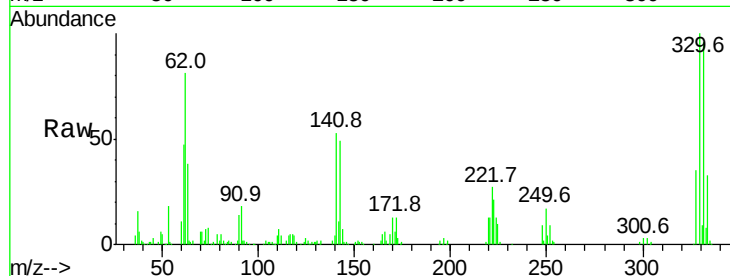




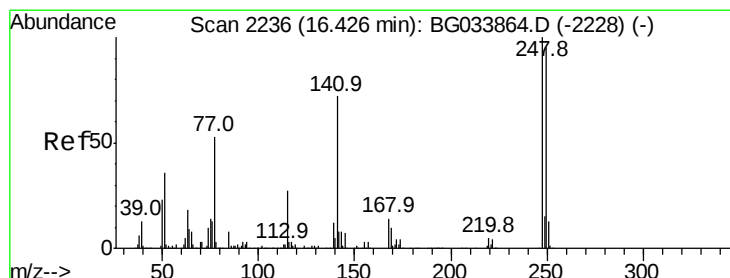
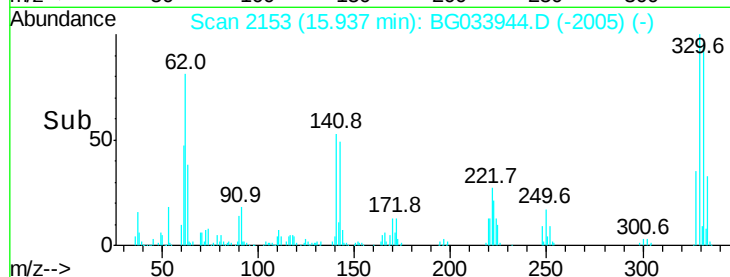
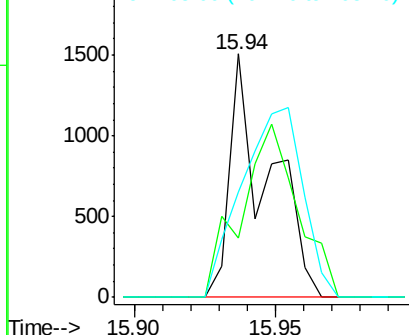
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.007 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG033944.D
 Acq: 24 Apr 2018 6:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1429
 Ion Ratio Lower Upper
 198 100
 51 24.4 30.6 70.6#
 105 43.4 23.8 63.8

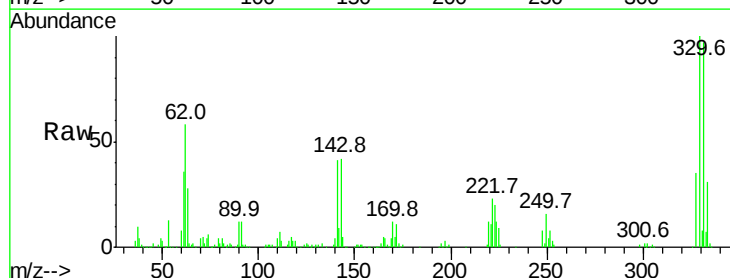


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

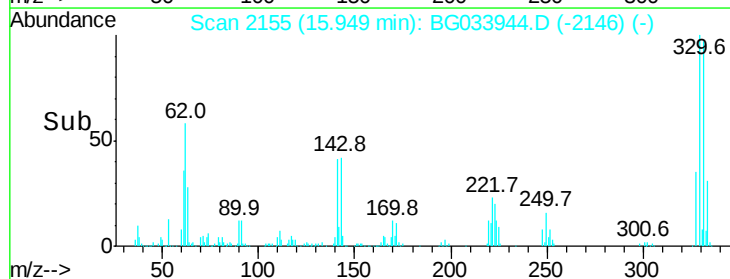
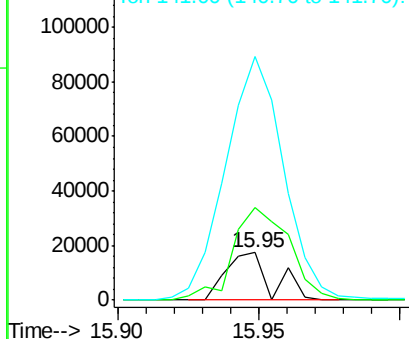


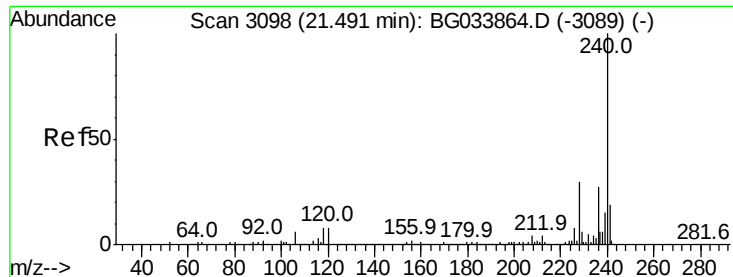
#66
 4-Bromophenyl-phenylether
 Concen: 3.587 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033944.D
 Acq: 24 Apr 2018 6:45

Tgt Ion:248 Resp: 19510
 Ion Ratio Lower Upper
 248 100
 250 191.4 77.1 115.7#
 141 398.8 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: 21.47 min Scan# 3094

Delta R.T. -0.03 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

Instrument :

BNA_G

ClientSampleId :

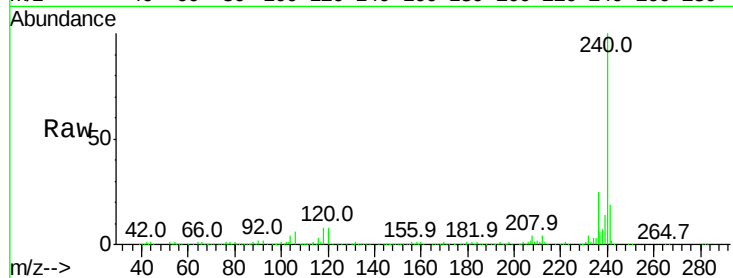
Tot Ion:240 Resp: 541345

Ion Ratio Lower Upper

240 100

120 8.1 6.8 10.2

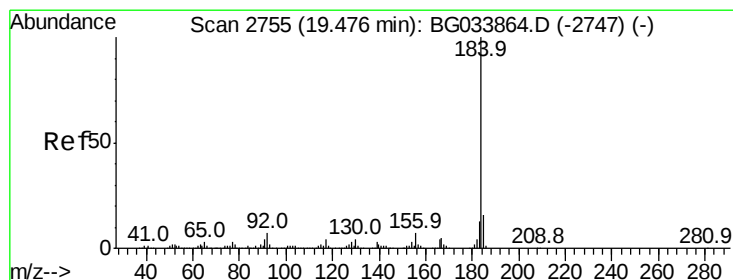
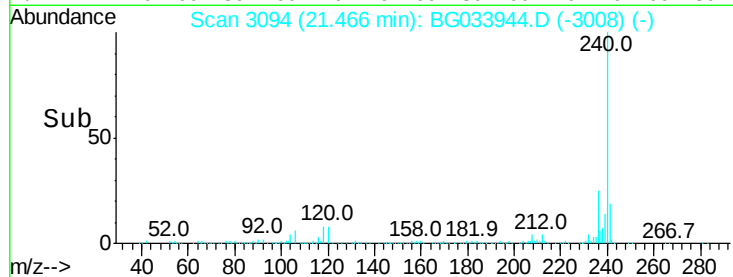
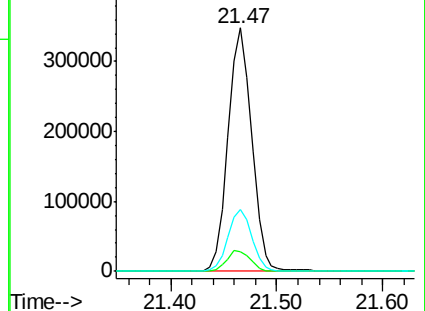
236 25.2 20.9 31.3



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: 2.677 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.37 min

Lab File: BG033944.D

Acq: 24 Apr 2018 6:45

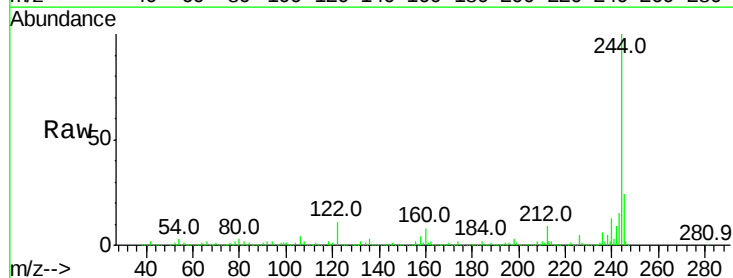
Tgt Ion:184 Resp: 39135

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

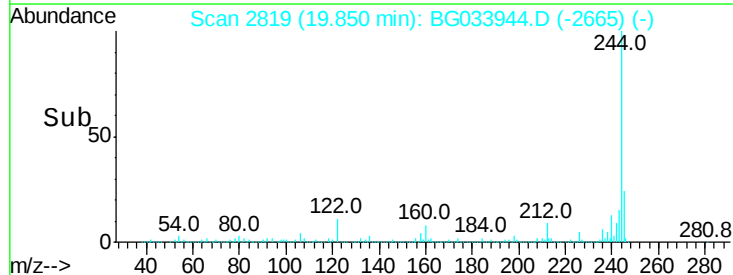
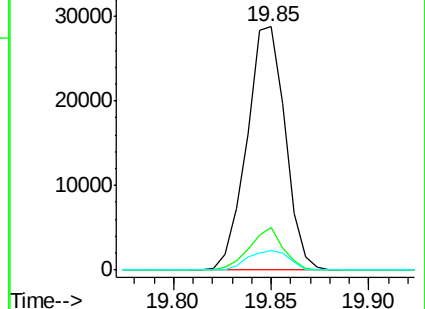
183 7.9 10.6 16.0#

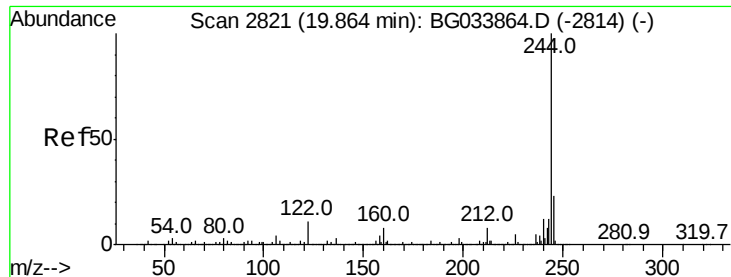


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

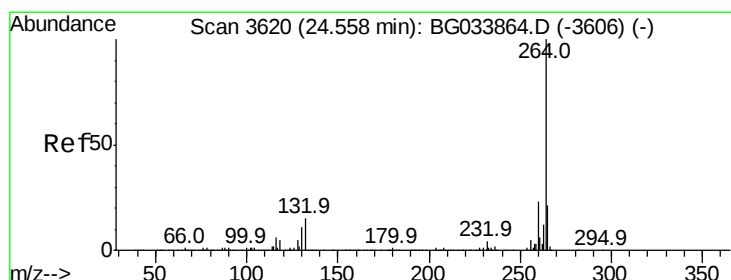
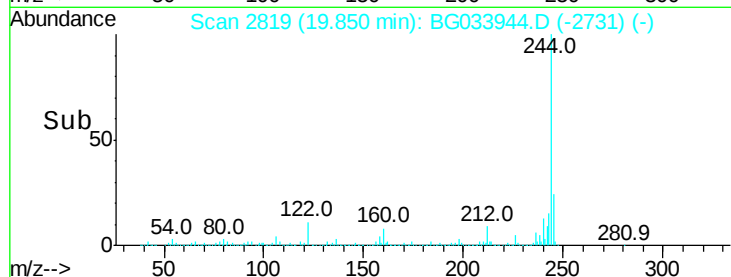
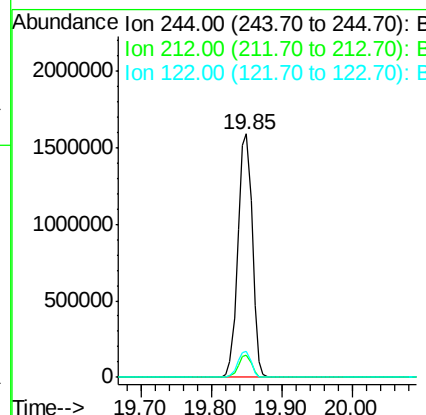
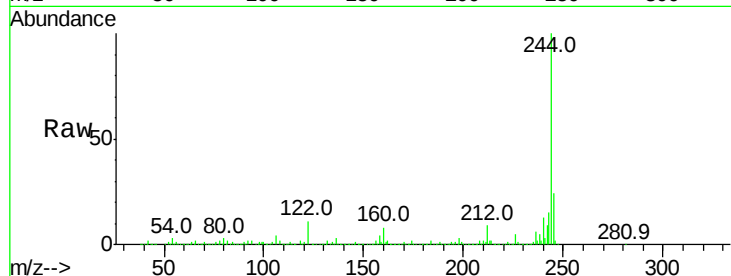




#78
 Terphenyl-d14
 Concen: 93.245 ng
 RT: 19.85 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BG033944.D
 Acq: 24 Apr 2018 6:45

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2246840
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.8 8.8#
 122 10.7 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.52 min Scan# 3614
 Delta R.T. -0.04 min
 Lab File: BG033944.D
 Acq: 24 Apr 2018 6:45

Tgt Ion:264 Resp: 529307
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.0
 265 22.2 17.7 26.5

