

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033934.D
 Acq On : 24 Apr 2018 00:27
 Operator : SJ/JU
 Sample : J2152-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 04:17:56 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

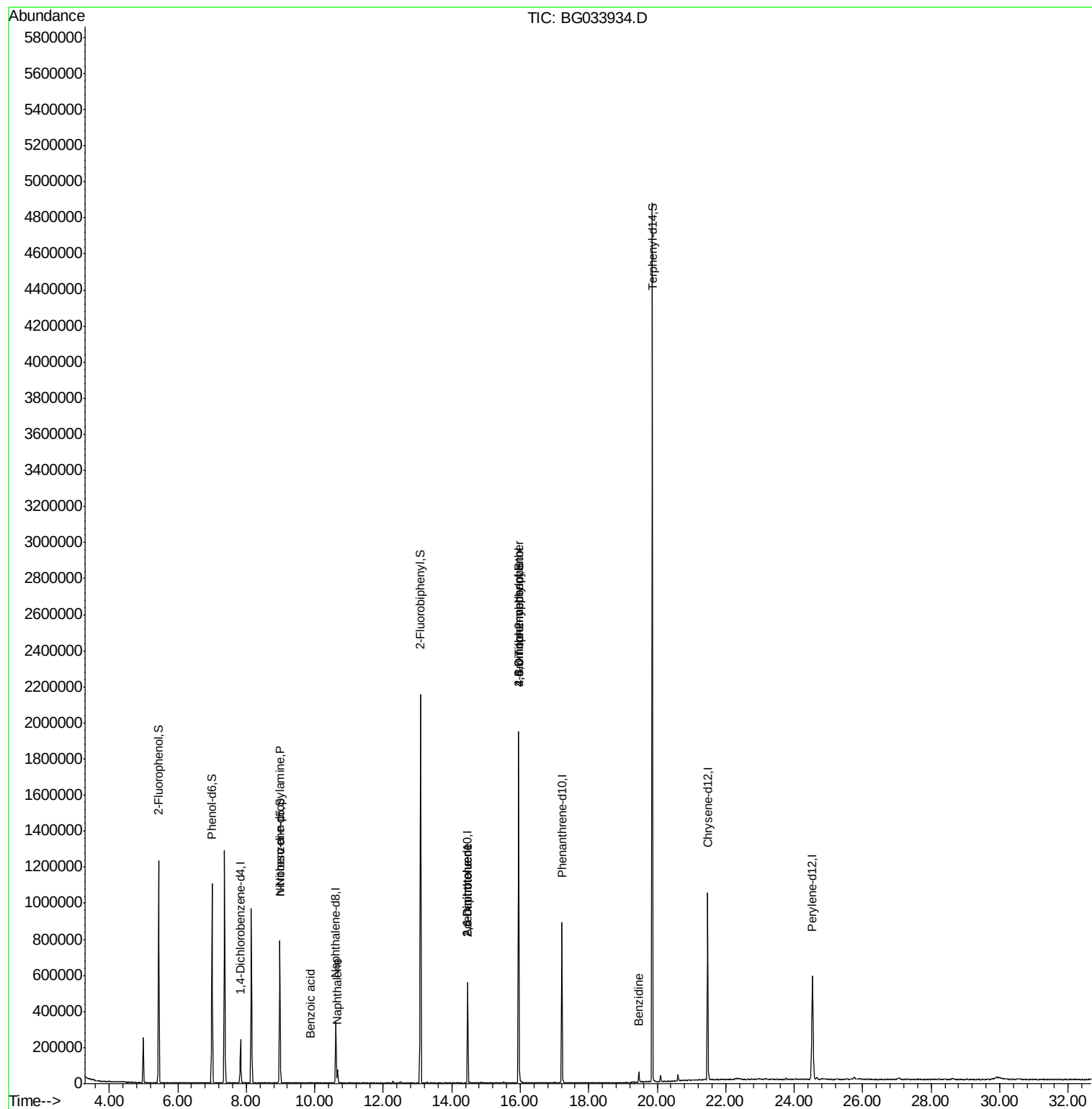
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	64541	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	281385	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	189313	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	549800	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	601638	20.00	ng	-0.02
86) Perylene-d12	24.53	264	616057	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	514827	127.35	ng	0.00
7) Phenol-d6	7.00	99	616868	104.62	ng	0.00
23) Nitrobenzene-d5	8.98	82	466914	94.43	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	350065	158.50	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1121269	87.01	ng	-0.01
78) Terphenyl-d14	19.85	244	2200735	82.18	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.99	77	1310	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	64707	12.874 ng	#	78
31) Naphthalene	10.67	128	61652	4.261 ng	#	99
32) Benzoic acid	9.87	122	307	5.153 ng	#	23
50) 2,6-Dinitrotoluene	14.46	165	25045	7.936 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	25045	5.968 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.96	198	2125	7.183 ng	#	73
66) 4-Bromophenyl-phenylether	15.95	248	25018	4.143 ng	#	1
76) Benzidine	19.46	184	37577	2.313 ng	#	99

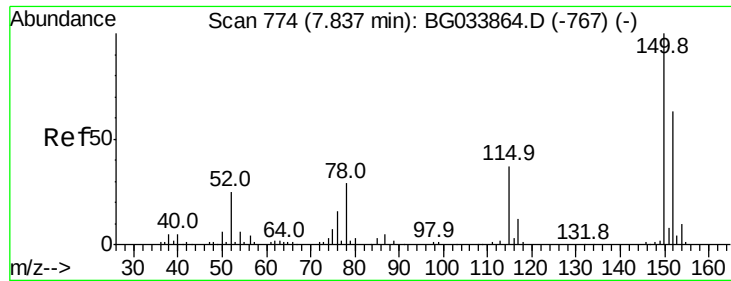
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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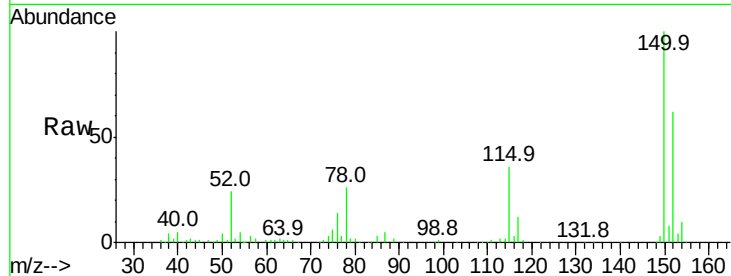


#1

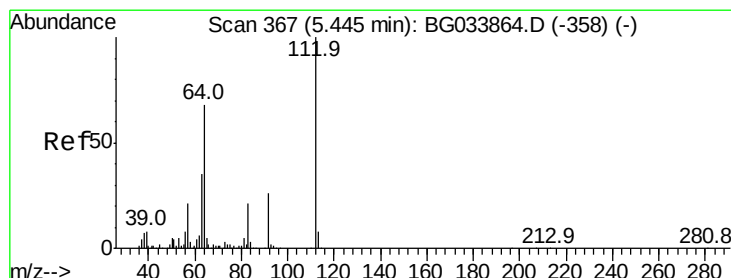
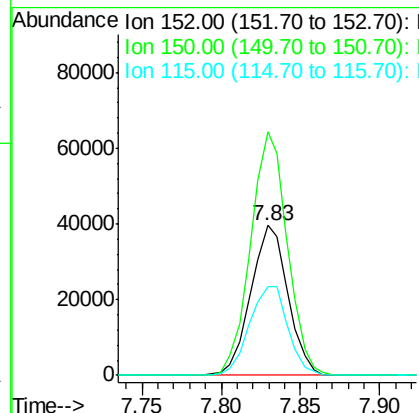
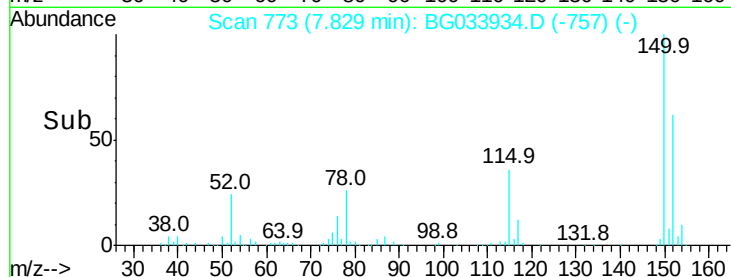
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033934.D
Acq: 24 Apr 2018 00:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64541
Ion Ratio Lower Upper
152 100
150 162.4 126.6 189.8
115 59.1 53.0 79.4



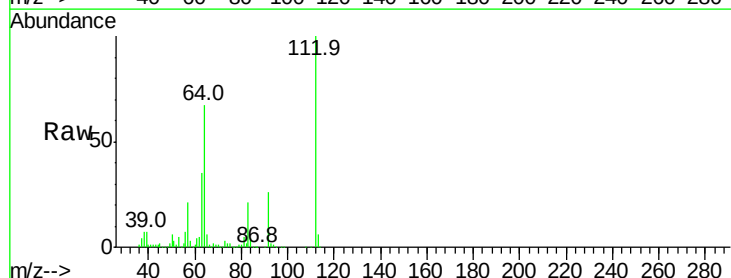
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



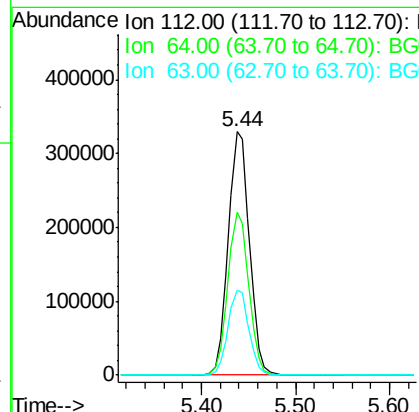
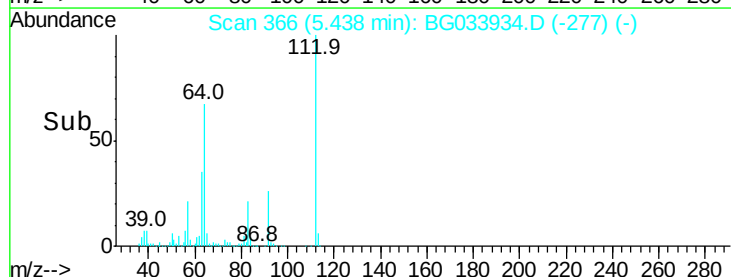
#5

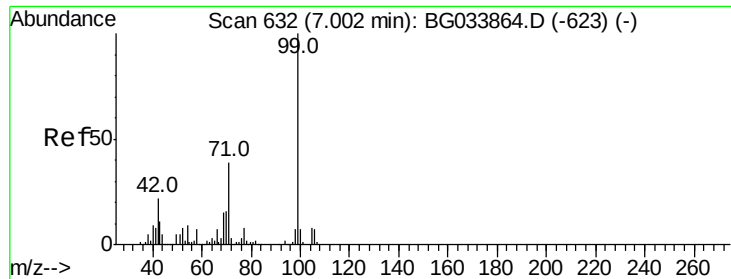
2-Fluorophenol
Concen: 127.351 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033934.D
Acq: 24 Apr 2018 00:27

Tgt Ion:112 Resp: 514827
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 34.7 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: 104.619 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

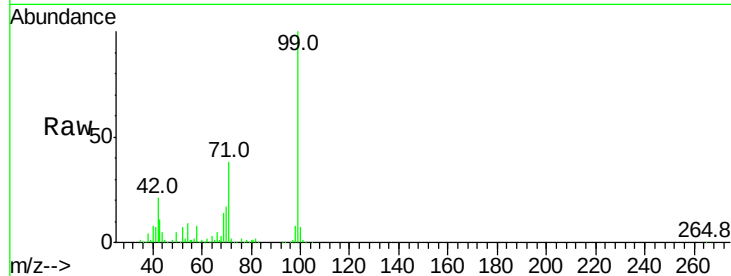
Tot Ion: 99 Resp: 616868

Ion Ratio Lower Upper

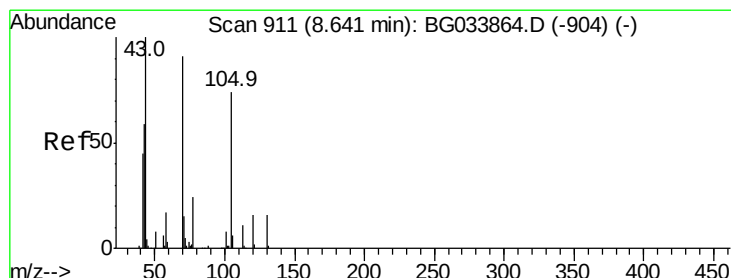
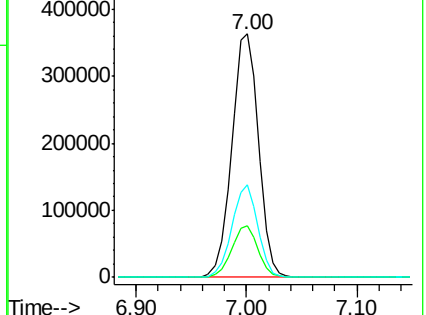
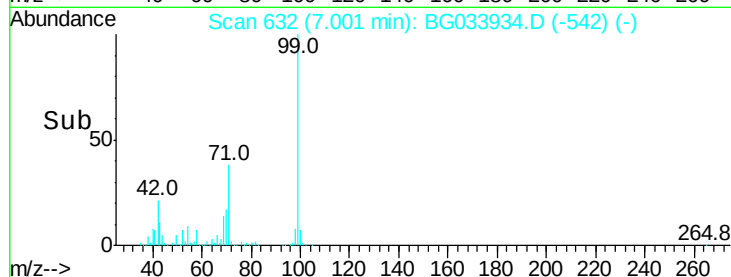
99 100

42 20.9 14.1 21.1

71 38.1 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: 12.874 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Tgt Ion: 70 Resp: 64707

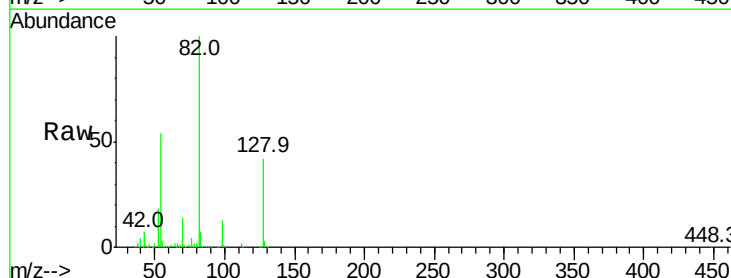
Ion Ratio Lower Upper

70 100

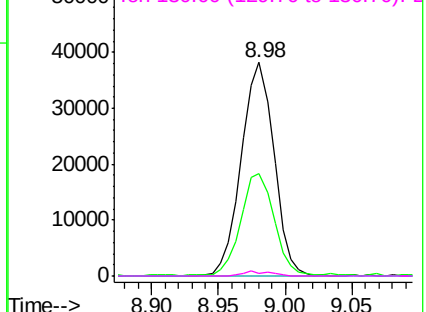
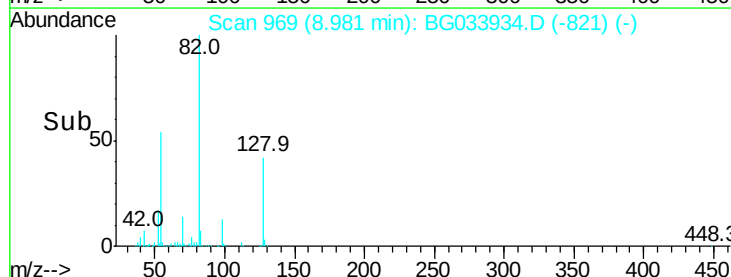
42 47.7 49.1 73.7#

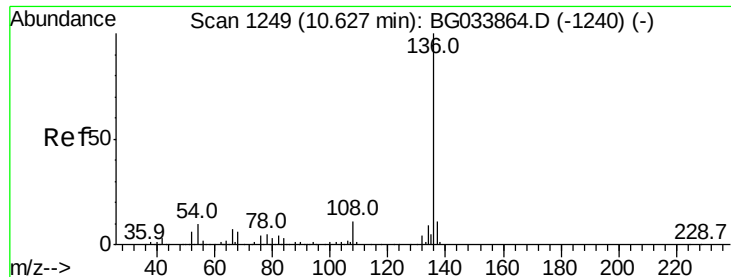
101 0.0 8.5 12.7#

130 1.5 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

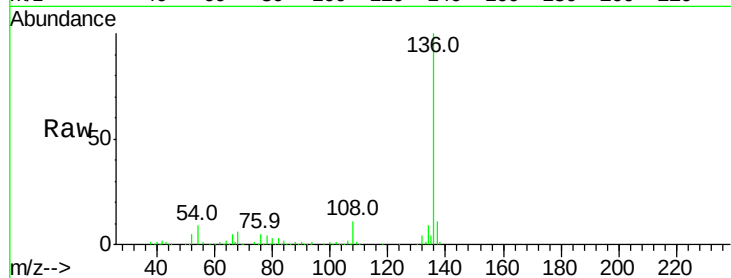




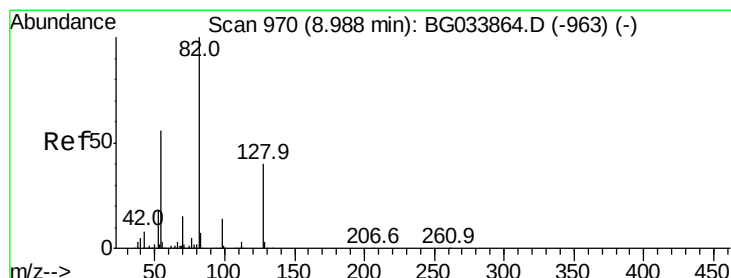
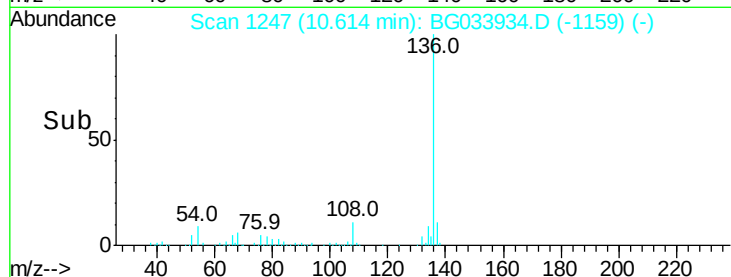
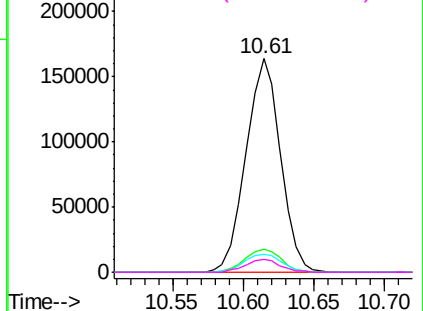
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033934.D
Acq: 24 Apr 2018 00:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	281385
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	8.6	10.3 15.5
68	6.1	4.5 6.7

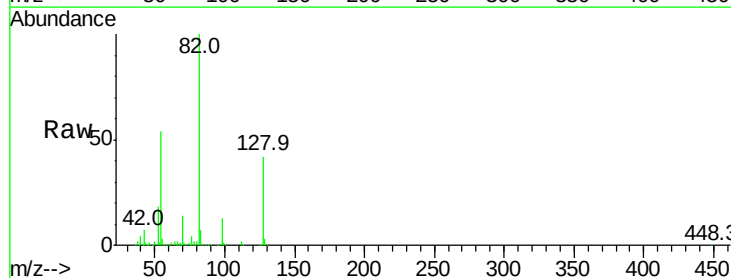


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

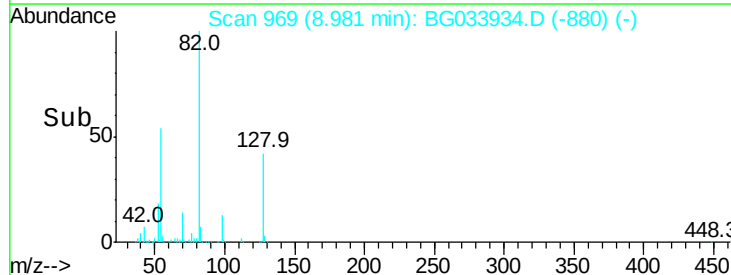
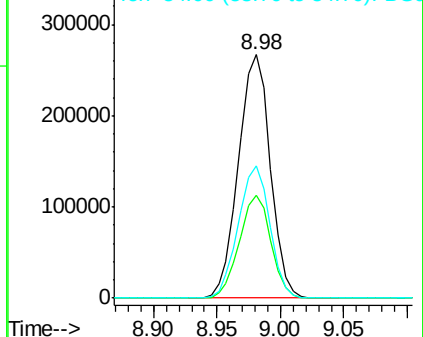


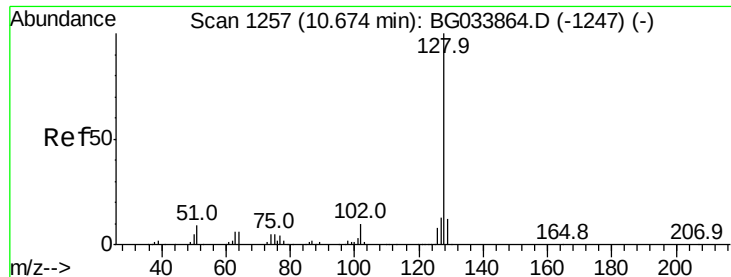
#23
Nitrobenzene-d5
Concen: 94.433 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033934.D
Acq: 24 Apr 2018 00:27

Tgt Ion: 82	Resp:	466914
Ion Ratio	Lower	Upper
82	100	
128	42.4	29.7 44.5
54	54.3	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

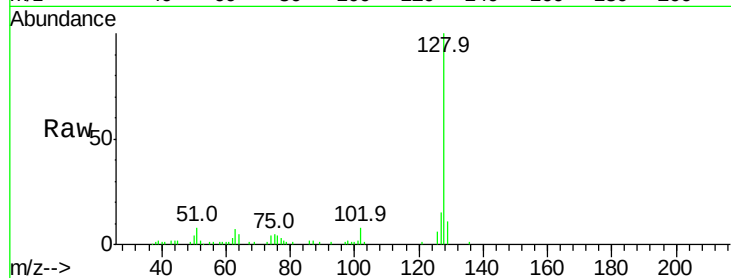




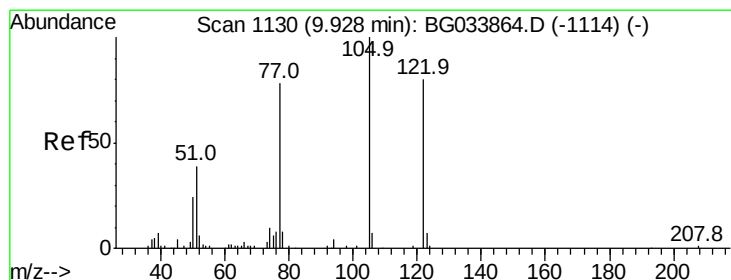
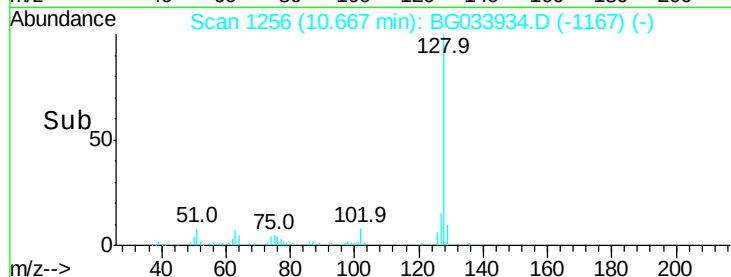
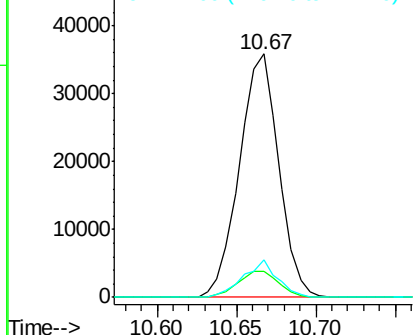
#31
Naphthalene
Concen: 4.261 ng
RT: 10.67 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BG033934.D
Acq: 24 Apr 2018 00:27

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 61652
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 15.2 11.6 17.4

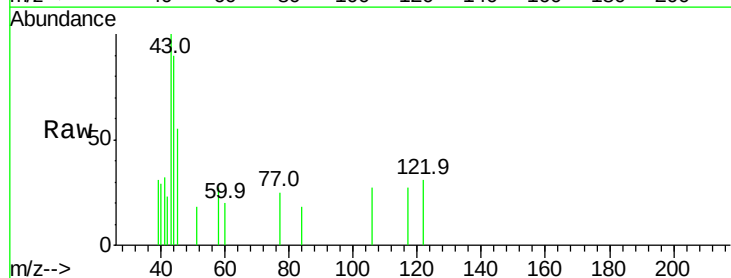


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

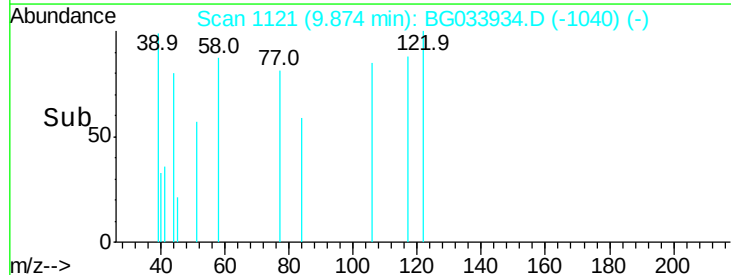
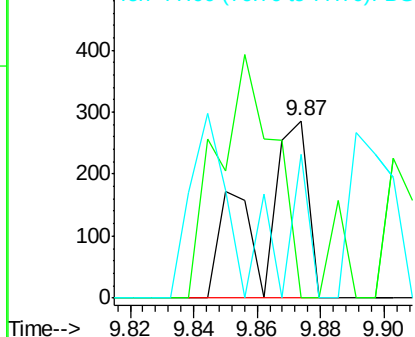


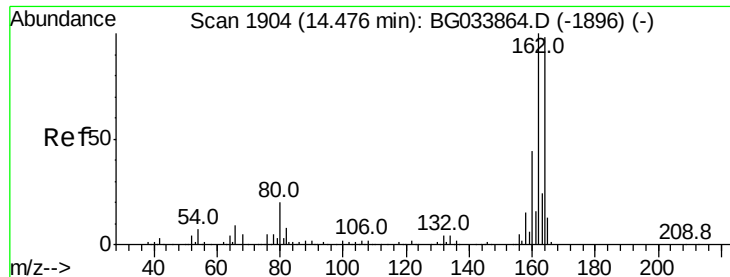
#32
Benzoic acid
Concen: 5.153 ng
RT: 9.87 min Scan# 1121
Delta R.T. -0.05 min
Lab File: BG033934.D
Acq: 24 Apr 2018 00:27

Tgt Ion:122 Resp: 307
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 80.8 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# 1902

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampleId :

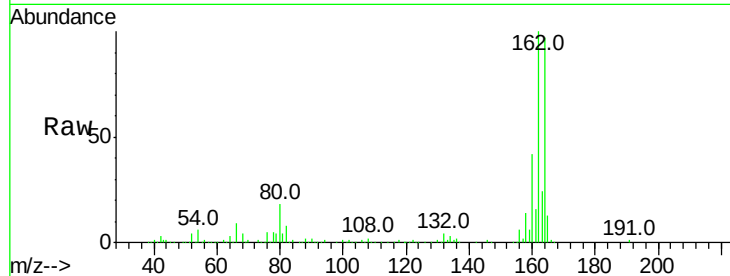
Tot Ion:164 Resp: 189313

Ion Ratio Lower Upper

164 100

162 103.3 78.8 118.2

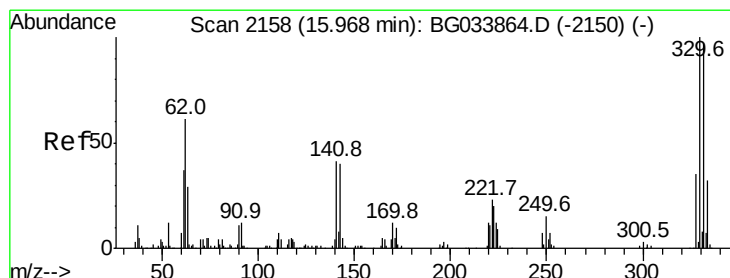
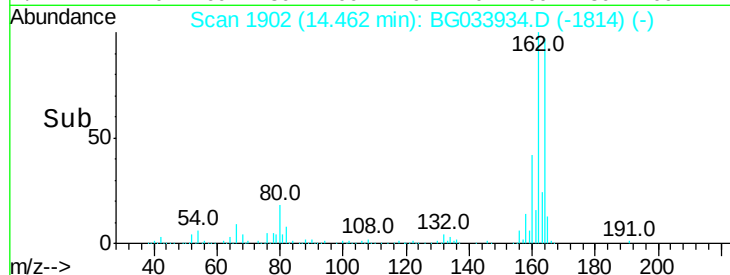
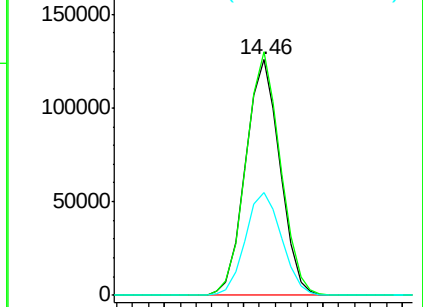
160 43.4 35.4 53.0



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: 158.498 ng

RT: 15.95 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

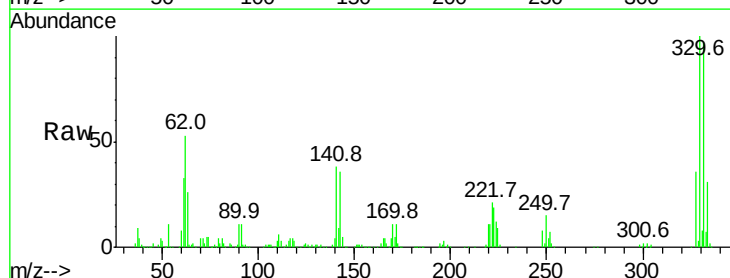
Tgt Ion:330 Resp: 350065

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

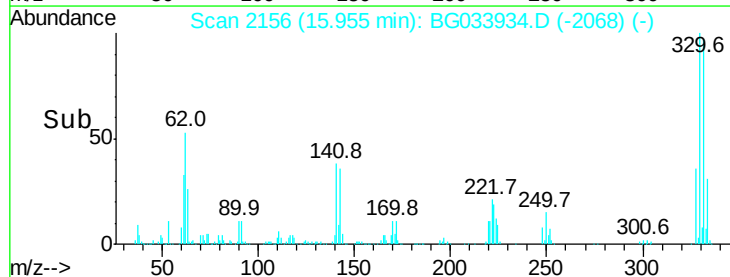
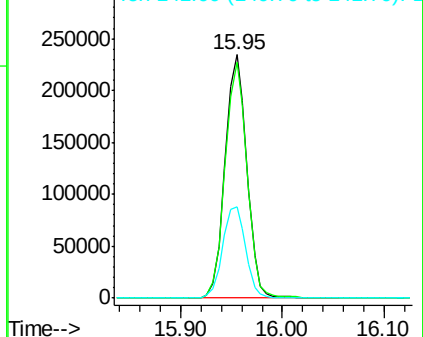
141 39.8 25.2 37.8#

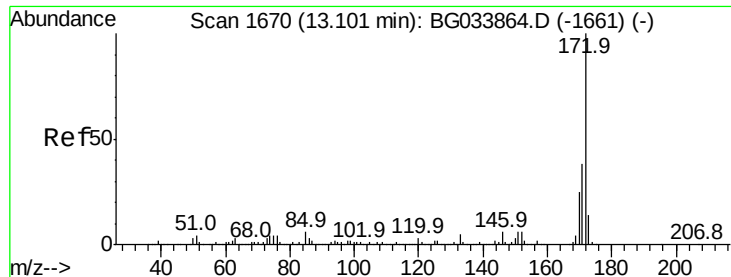


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



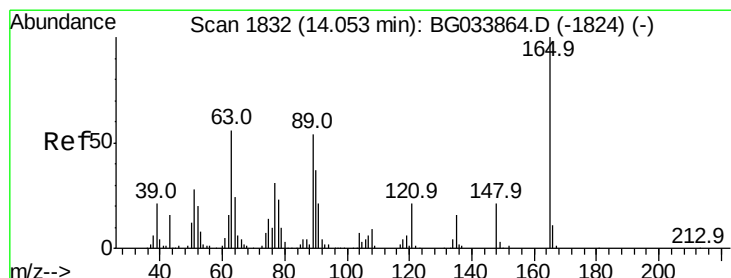
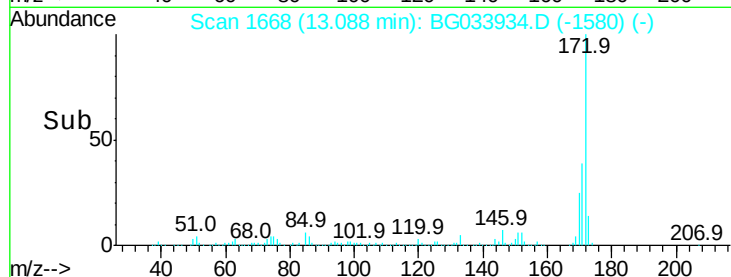
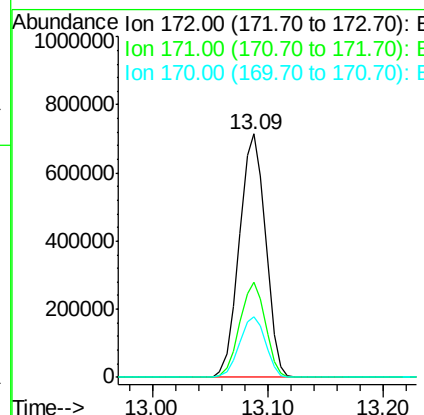
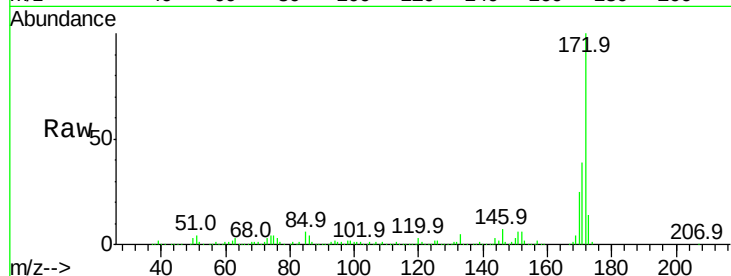


#44
 2-Fluorobiphenyl
 Concen: 87.008 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1121269

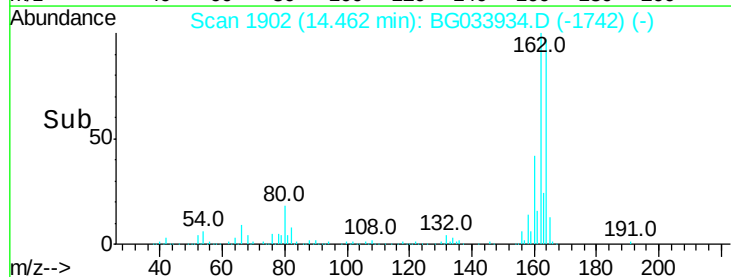
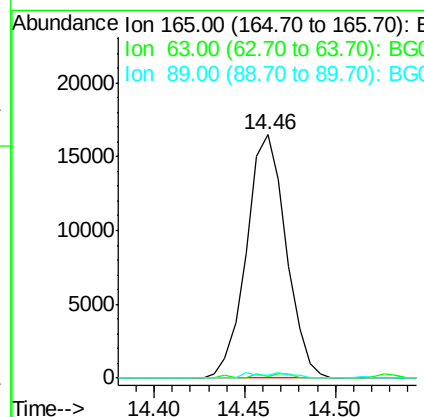
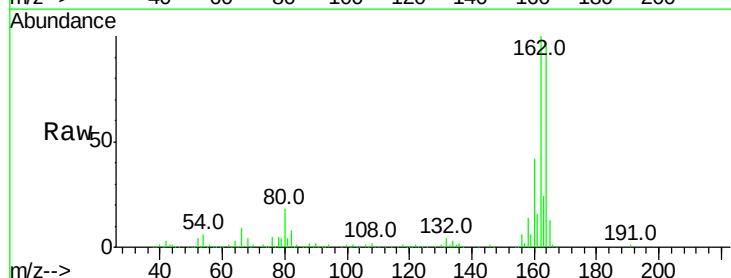
Ion	Ratio	Lower	Upper
172	100		
171	38.9	30.0	45.0
170	25.0	19.5	29.3

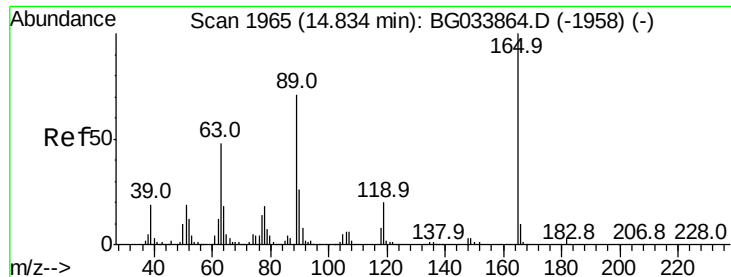


#50
 2,6-Dinitrotoluene
 Concen: 7.936 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Tgt Ion:165 Resp: 25045

Ion	Ratio	Lower	Upper
165	100		
63	0.9	52.7	79.1#
89	1.2	49.2	73.8#

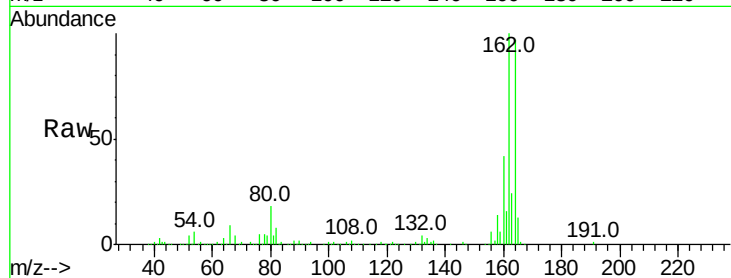




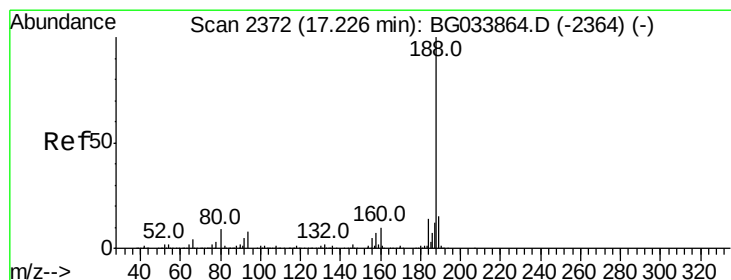
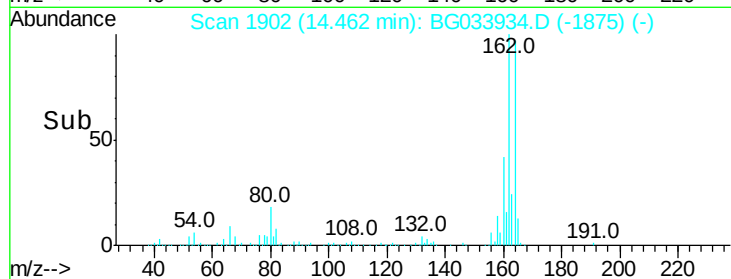
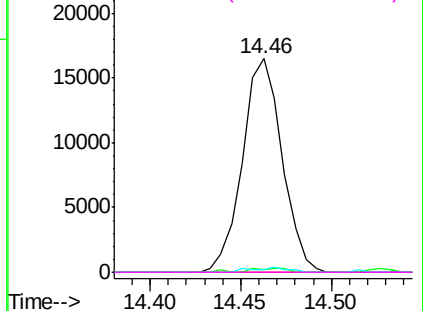
#56
 2,4-Dinitrotoluene
 Concen: 5.968 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 25045
 Ion Ratio Lower Upper
 165 100
 63 0.9 42.0 63.0#
 89 1.2 66.9 100.3#
 182 0.0 2.6 3.8#

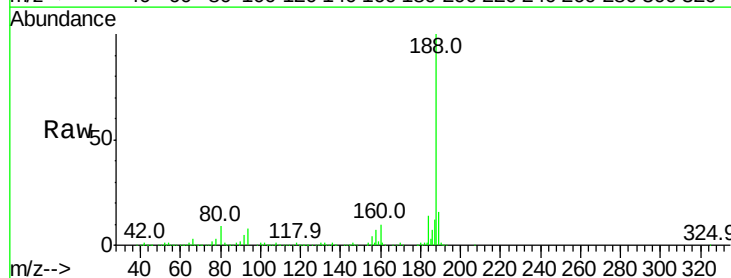


Abundance Ion 165.00 (164.70 to 165.70): E

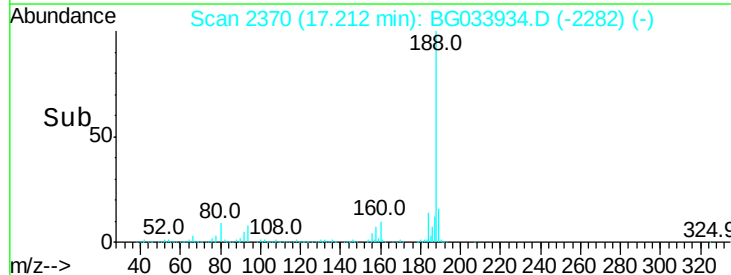
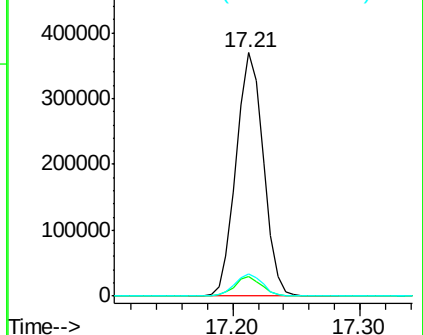


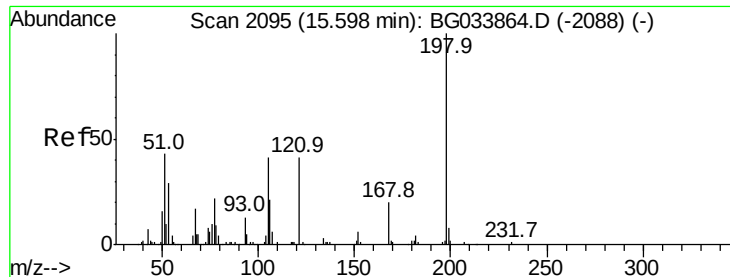
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Tgt Ion:188 Resp: 549800
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.9 10.3
 80 9.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

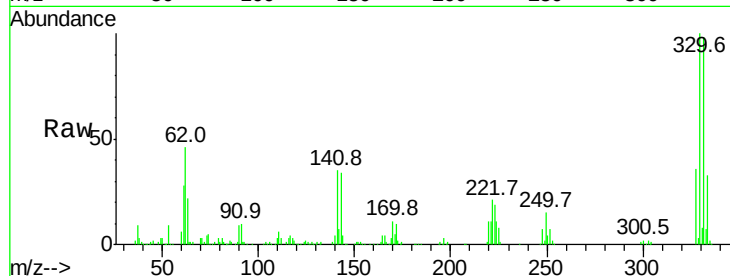




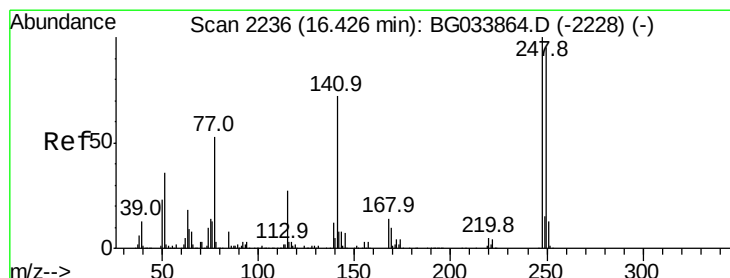
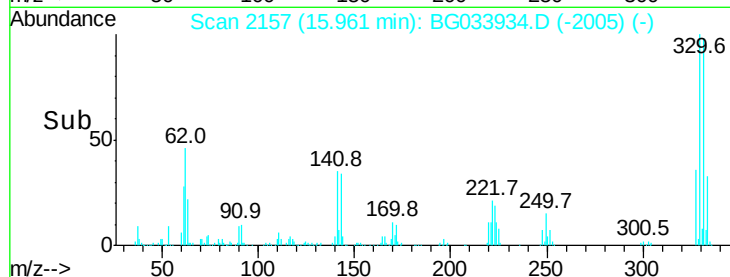
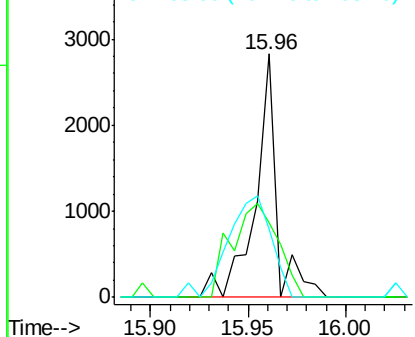
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.183 ng
 RT: 15.96 min Scan# 2157
 Delta R.T. 0.36 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	30.9	30.6	70.6
105	28.1	23.8	63.8

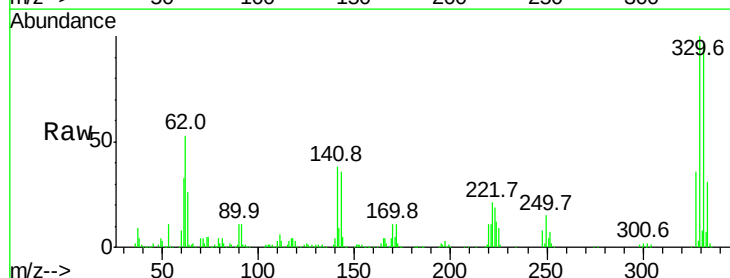


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

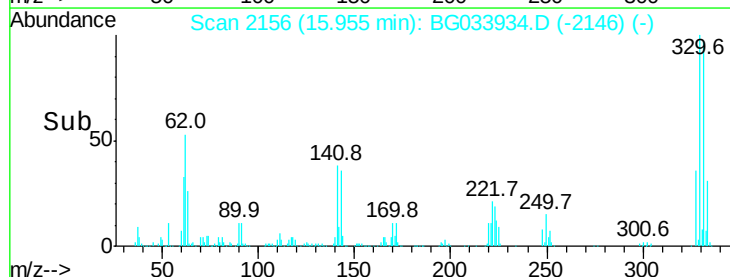
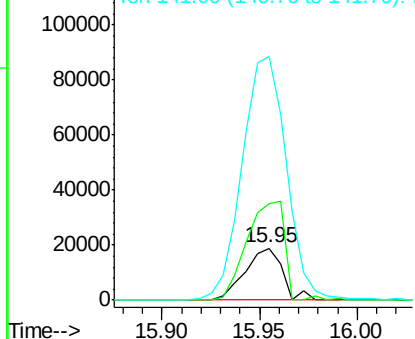


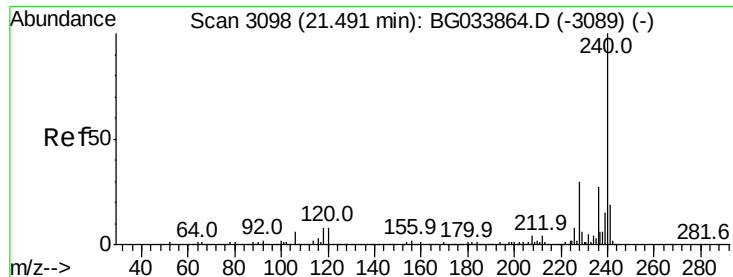
#66
 4-Bromophenyl-phenylether
 Concen: 4.143 ng
 RT: 15.95 min Scan# 2156
 Delta R.T. -0.47 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Tgt Ion	Ratio	Lower	Upper
248	100		
250	184.6	77.1	115.7#
141	359.0	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# 3095

Delta R.T. -0.02 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

Instrument :

BNA_G

ClientSampled :

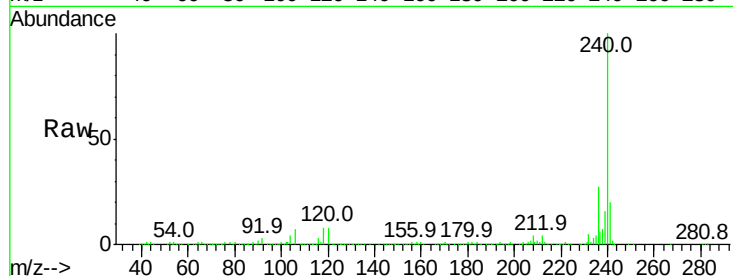
Tot Ion:240 Resp: 601638

Ion Ratio Lower Upper

240 100

120 8.2 6.8 10.2

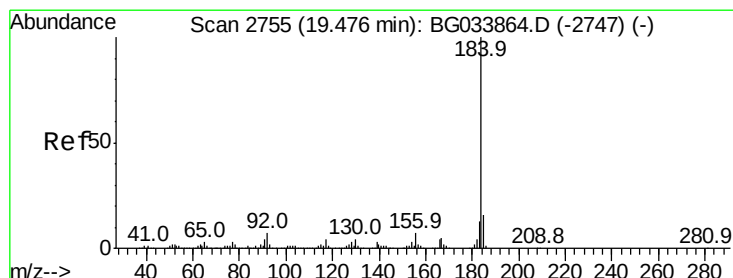
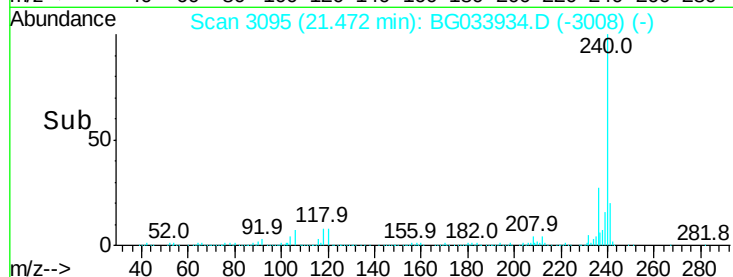
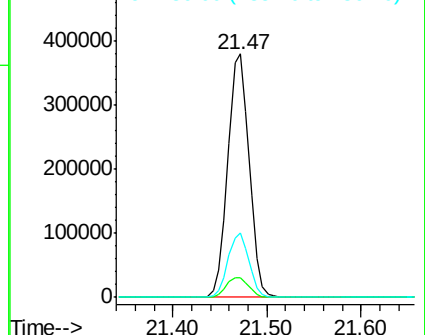
236 26.5 20.9 31.3



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: 2.313 ng

RT: 19.46 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BG033934.D

Acq: 24 Apr 2018 00:27

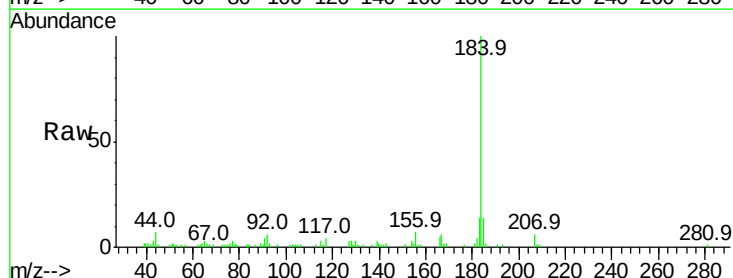
Tgt Ion:184 Resp: 37577

Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

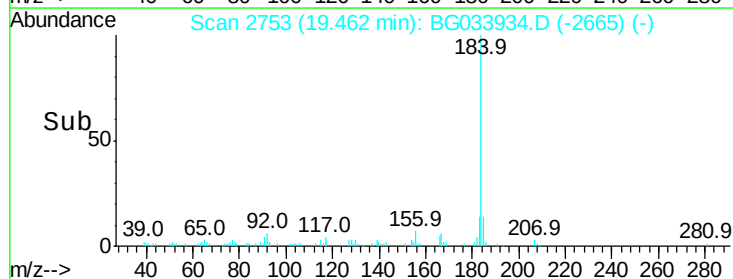
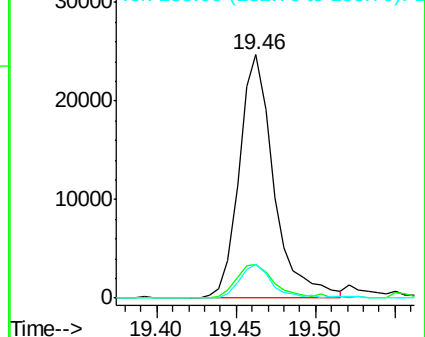
183 13.7 10.6 16.0

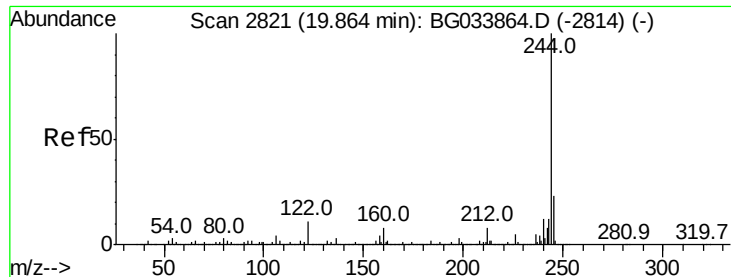


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

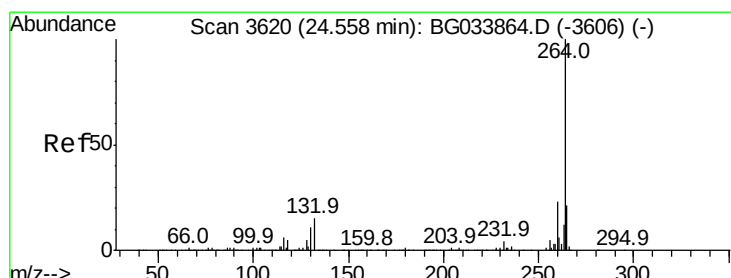
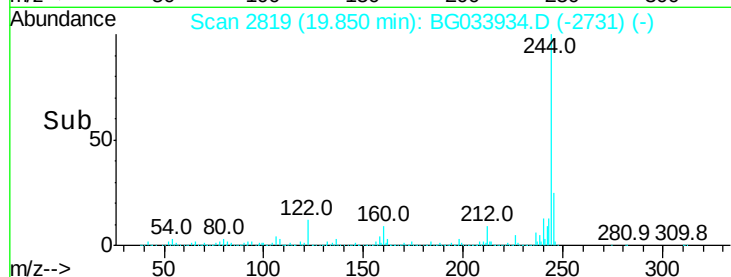
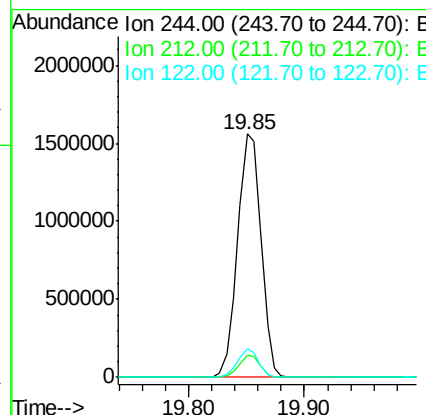
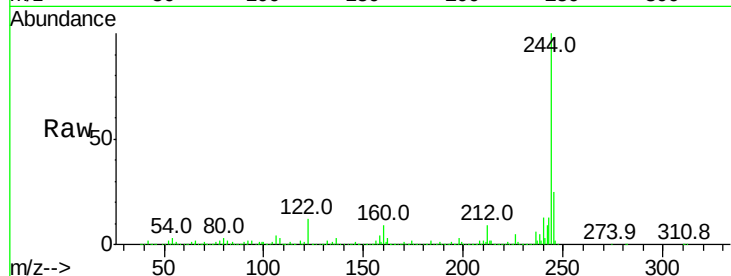




#78
 Terphenyl-d14
 Concen: 82.179 ng
 RT: 19.85 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2200735
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.8 8.8#
 122 11.5 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.53 min Scan# 3616
 Delta R.T. -0.03 min
 Lab File: BG033934.D
 Acq: 24 Apr 2018 00:27

Tgt Ion:264 Resp: 616057
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.4 26.0
 265 21.2 17.7 26.5

