

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033952.D
 Acq On : 24 Apr 2018 13:43
 Operator : SJ/JU
 Sample : J2503-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 23:59:48 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

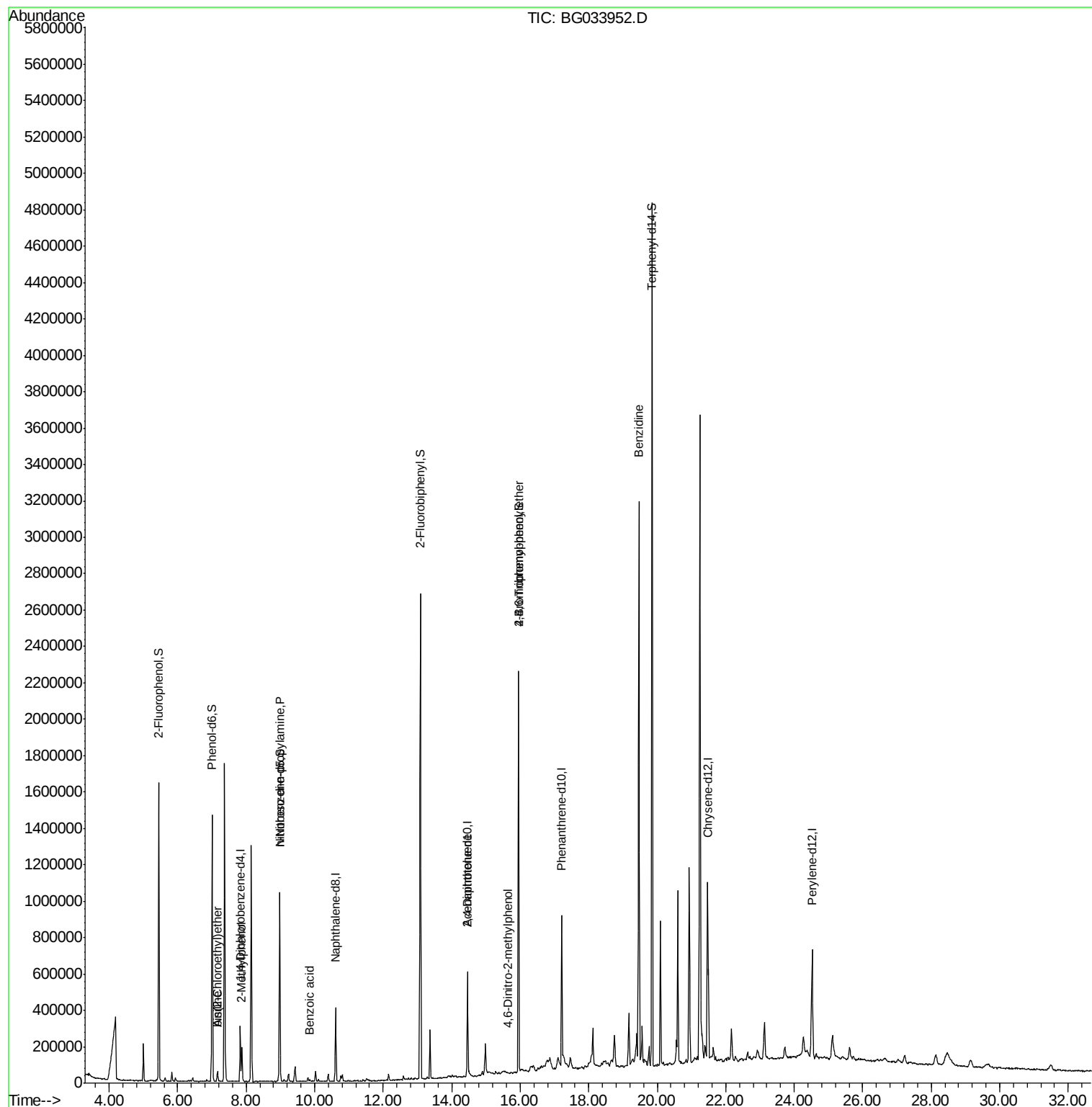
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	83040	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	345040	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	203310	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	483732	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	552242	20.00	ng	-0.02
86) Perylene-d12	24.52	264	573344	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	691080	132.87	ng	0.00
7) Phenol-d6	7.00	99	816085	107.57	ng	0.00
23) Nitrobenzene-d5	8.98	82	622845	102.73	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	395051	166.55	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1369051	98.92	ng	-0.02
78) Terphenyl-d14	19.85	244	2171049	88.32	ng	-0.02
Target Compounds						
6) Aniline	7.16	93	34882	3.440	ng	98
9) Benzaldehyde	6.96	77	278	Below Cal	#	36
11) bis(2-Chloroethyl)ether	7.16	93	34882	5.868	ng	# 20
17) 2-Methylphenol	7.87	107	19720	3.424	ng	# 18
19) n-Nitroso-di-n-propylamine	8.98	70	86092	13.313	ng	# 82
32) Benzoic acid	9.86	122	3216	5.675	ng	92
56) 2,4-Dinitrotoluene	14.46	165	26079	5.786	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.63	198	57	6.510	ng	# 1
66) 4-Bromophenyl-phenylether	15.96	248	30524	5.746	ng	# 1
76) Benzidine	19.47	184	1719993	115.339	ng	94

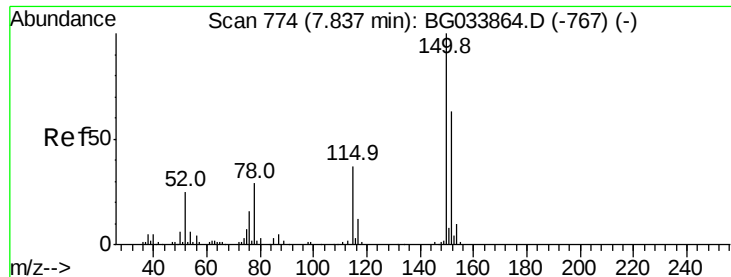
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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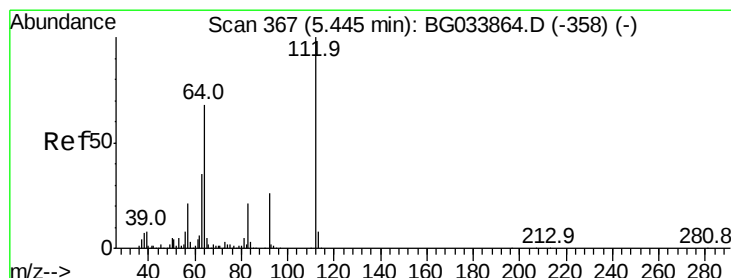
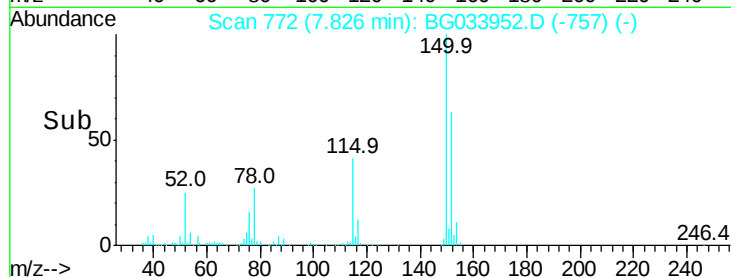
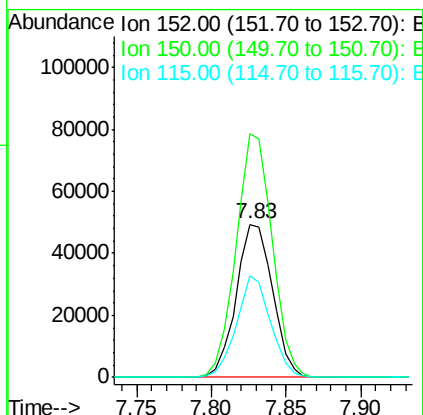
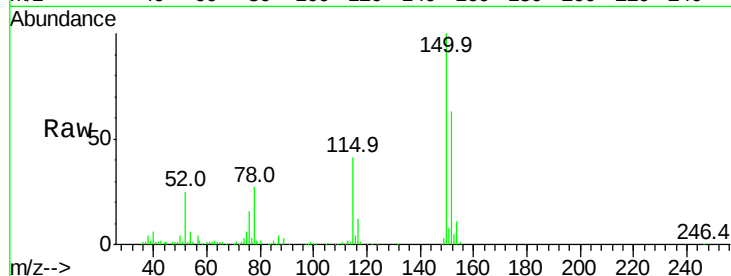


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

Instrument :
BNA_G
ClientSampleId :

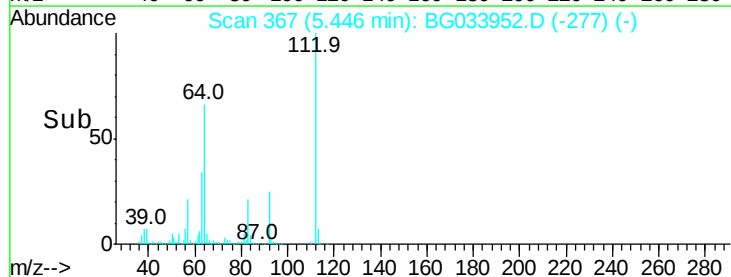
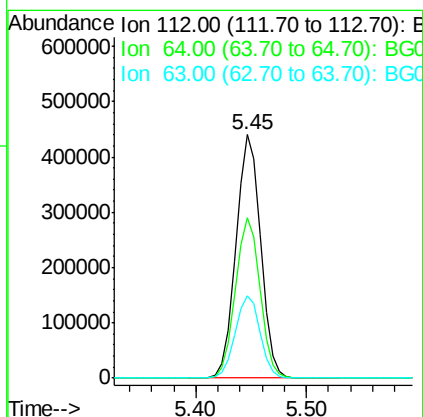
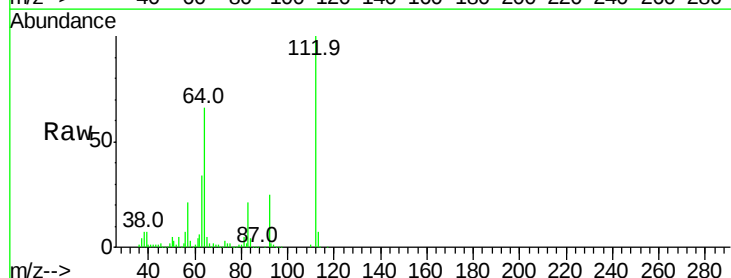
Tot Ion:152 Resp: 83040
Ion Ratio Lower Upper
152 100
150 159.2 126.6 189.8
115 66.0 53.0 79.4

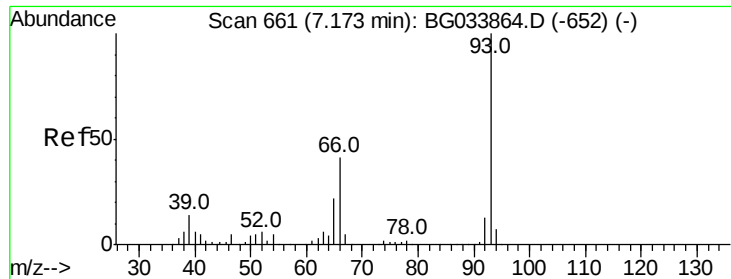


#5

2-Fluorophenol
Concen: 132.868 ng
RT: 5.45 min Scan# 367
Delta R.T. 0.00 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

Tgt Ion:112 Resp: 691080
Ion Ratio Lower Upper
112 100
64 65.8 56.3 84.5
63 33.8 30.1 45.1





#6

Aniline

Concen: 3.440 ng

RT: 7.16 min Scan# 659

Delta R.T. -0.01 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

Instrument :

BNA_G

ClientSampleId :

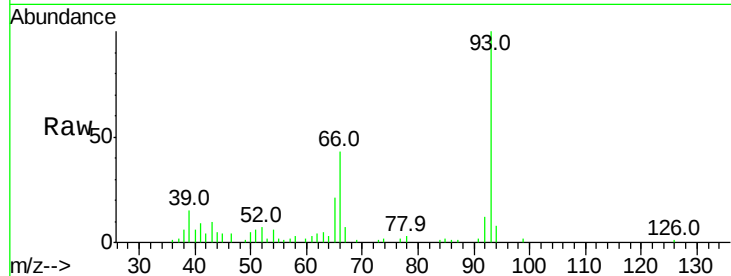
Tot Ion: 93 Resp: 34882

Ion Ratio Lower Upper

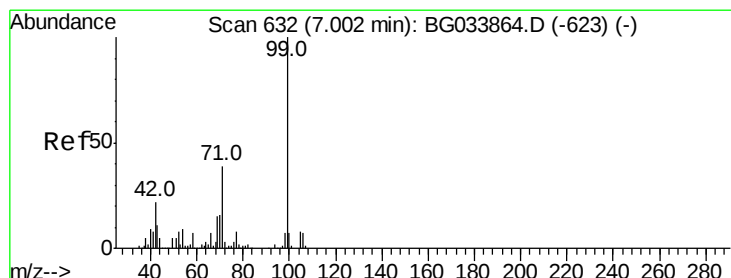
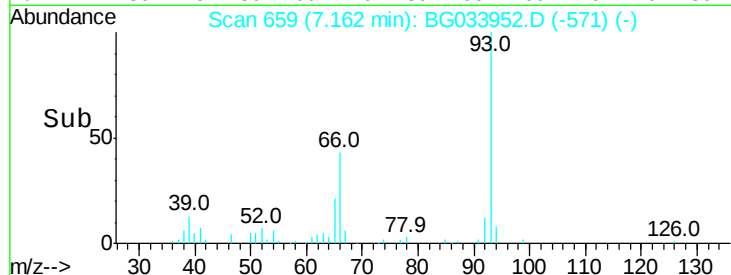
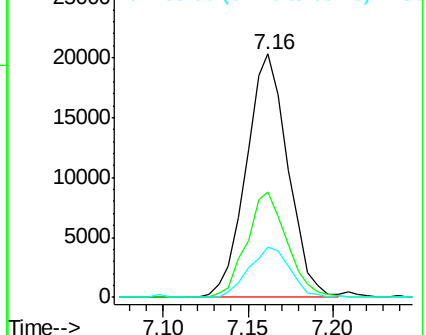
93 100

66 43.2 33.7 50.5

65 20.9 16.1 24.1



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 107.573 ng

RT: 7.00 min Scan# 632

Delta R.T. 0.00 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

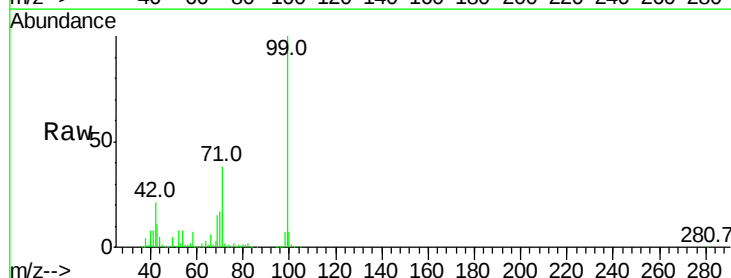
Tgt Ion: 99 Resp: 816085

Ion Ratio Lower Upper

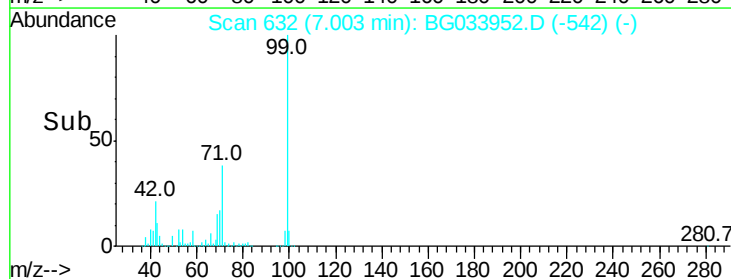
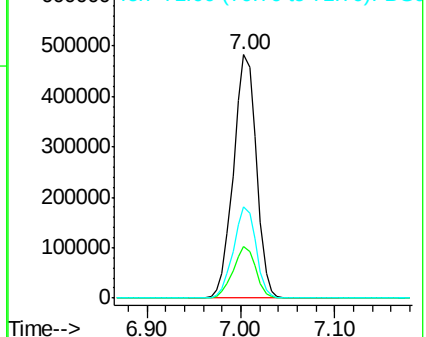
99 100

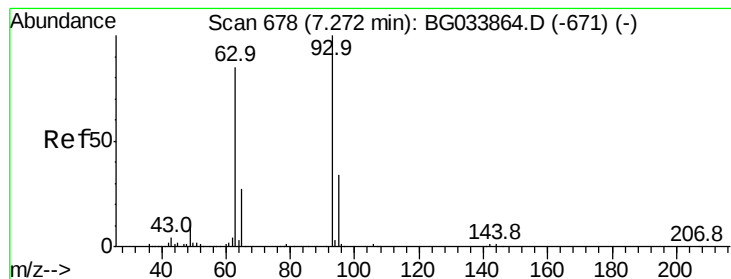
42 21.4 14.1 21.1#

71 37.6 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





#11

bis(2-Chloroethyl)ether

Concen: 5.868 ng

RT: 7.16 min Scan# 659

Delta R.T. -0.11 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

Instrument :

BNA_G

ClientSampled :

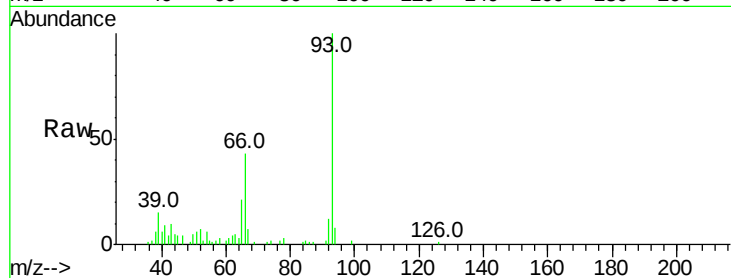
Tot Ion: 93 Resp: 34882

Ion Ratio Lower Upper

93 100

63 5.1 67.1 107.1#

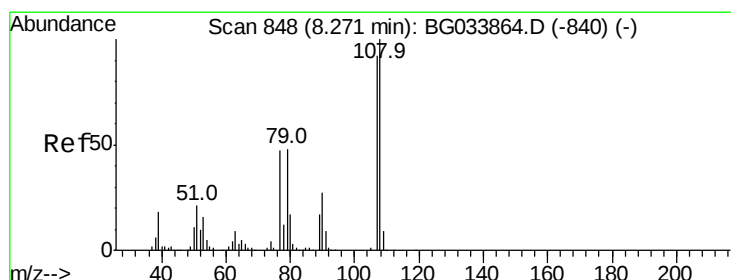
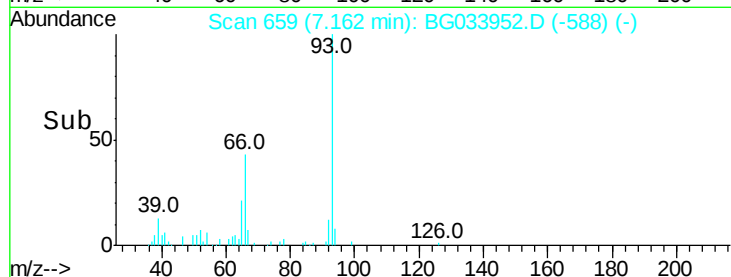
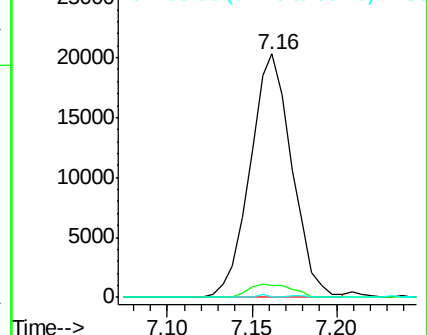
95 0.0 11.5 51.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#17

2-Methylphenol

Concen: 3.424 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.40 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

Tgt Ion:107 Resp: 19720

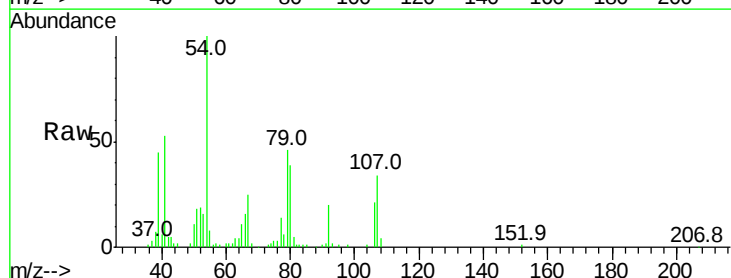
Ion Ratio Lower Upper

107 100

108 10.9 83.9 125.9#

77 41.7 37.2 55.8

79 133.9 36.2 54.2#

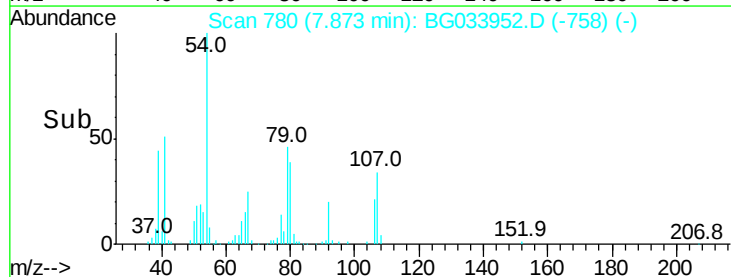
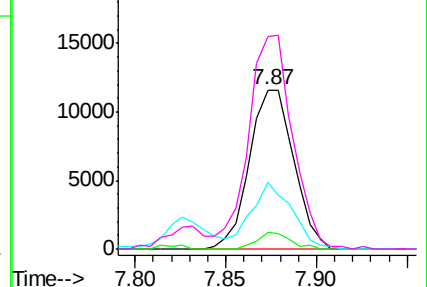


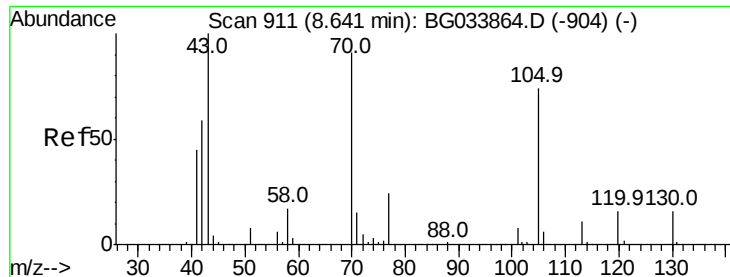
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

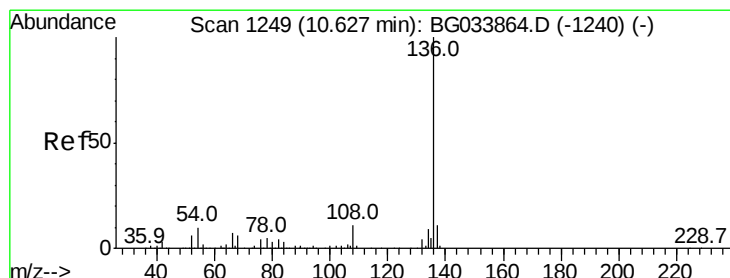
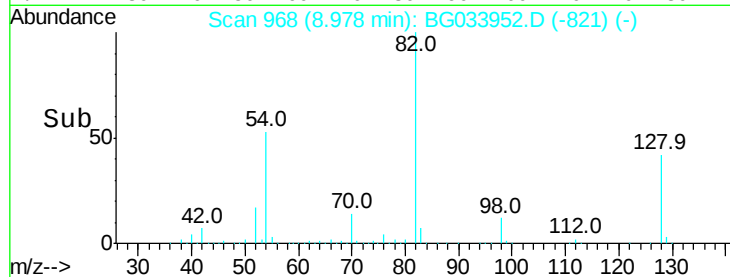
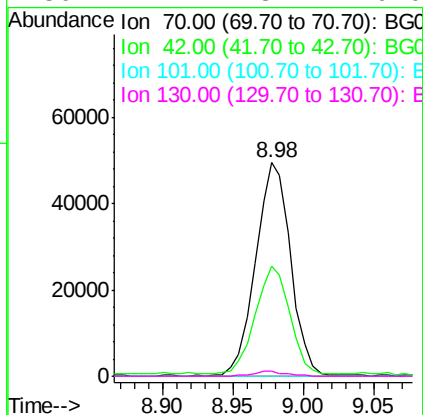
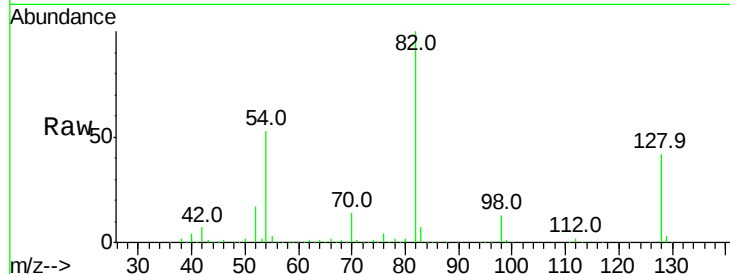




#19
n-Nitroso-di-n-propylamine
Concen: 13.313 ng
RT: 8.98 min Scan# 968
Delta R.T. 0.34 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

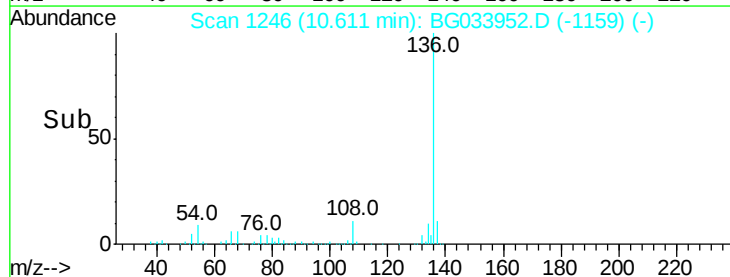
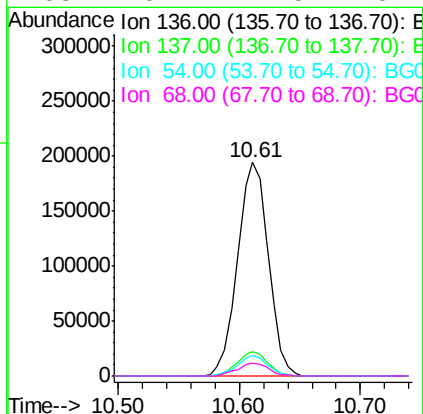
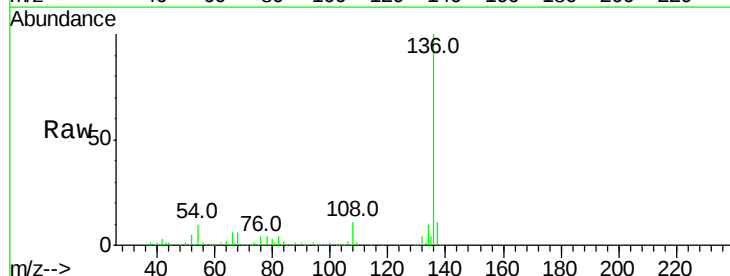
Instrument :
BNA_G
ClientSampleId :

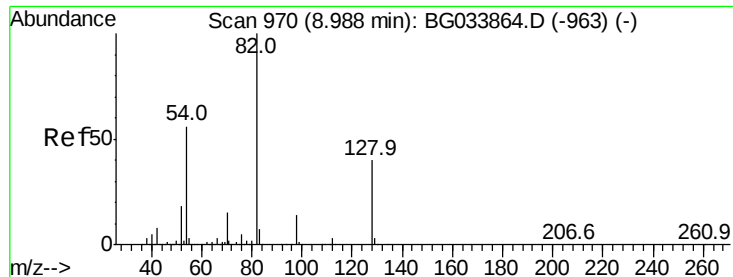
Tot Ion: 70 Resp: 86092
Ion Ratio Lower Upper
70 100
42 51.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

Tgt Ion: 136 Resp: 345040
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 9.5 10.3 15.5#
68 6.1 4.5 6.7

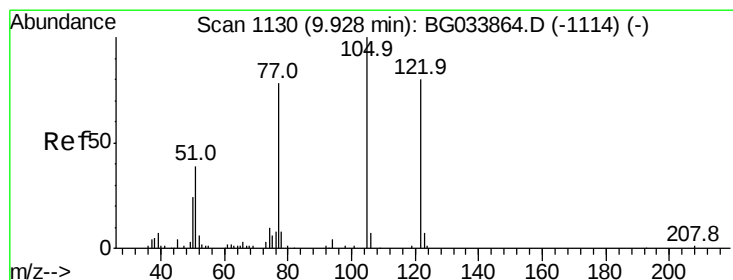
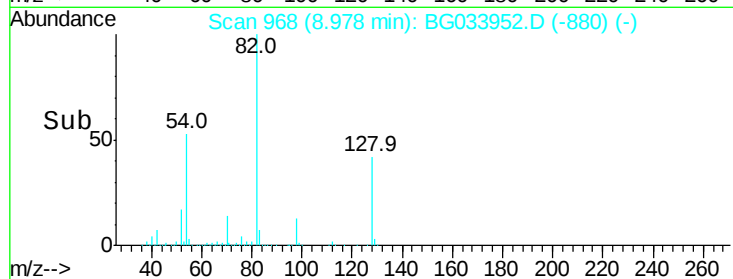
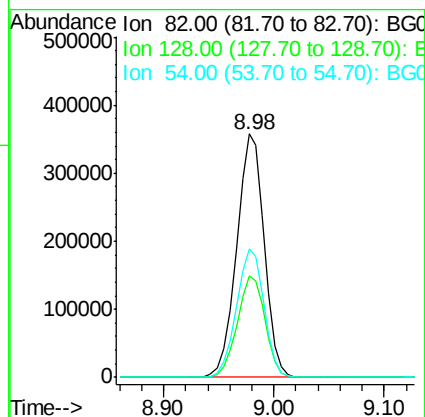
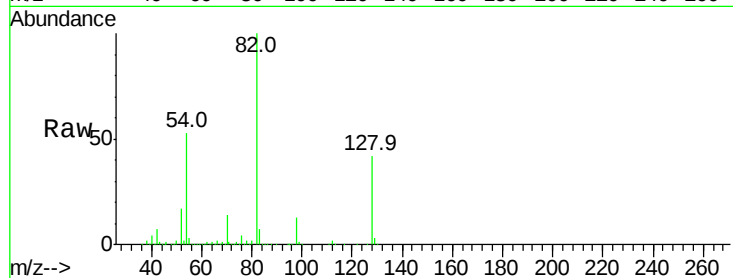




#23
 Nitrobenzene-d5
 Concen: 102.730 ng
 RT: 8.98 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: BG033952.D
 Acq: 24 Apr 2018 13:43

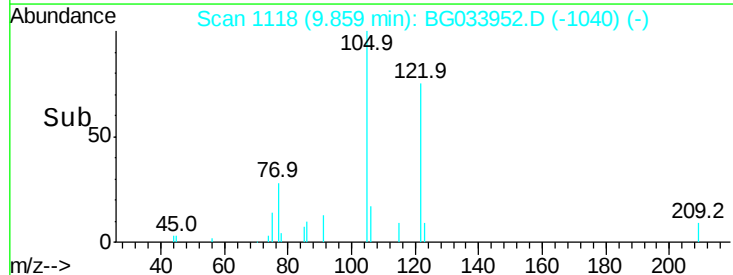
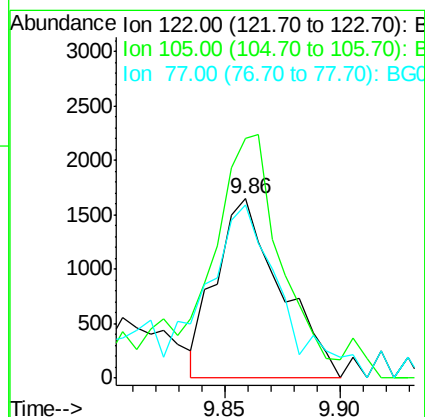
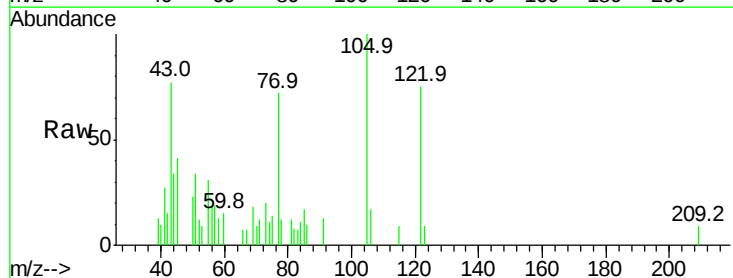
Instrument :
 BNA_G
 ClientSampled :

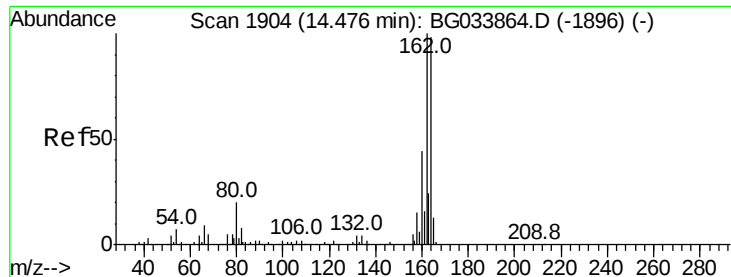
Tot Ion	82	Resp	622845
Ion Ratio	100	Lower	Upper
128	41.7	29.7	44.5
54	52.8	43.1	64.7



#32
 Benzoic acid
 Concen: 5.675 ng
 RT: 9.86 min Scan# 1118
 Delta R.T. -0.07 min
 Lab File: BG033952.D
 Acq: 24 Apr 2018 13:43

Tgt Ion	122	Resp	3216
Ion Ratio	100	Lower	Upper
105	134.0	123.5	163.5
77	96.5	85.7	125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

Instrument :

BNA_G

ClientSampleId :

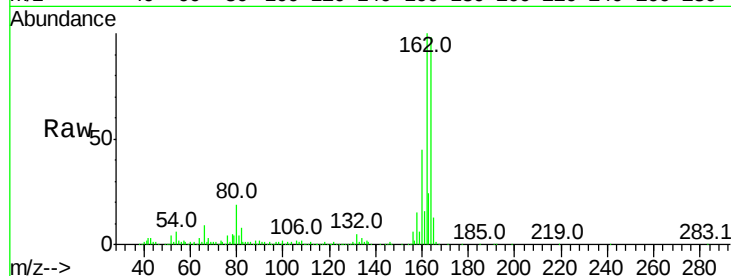
Tot Ion:164 Resp: 203310

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

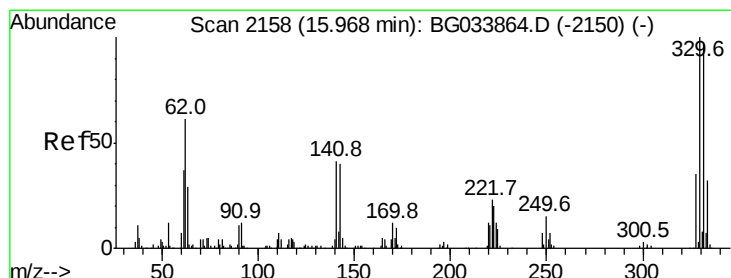
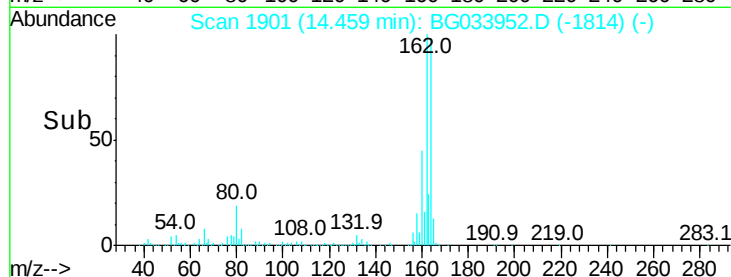
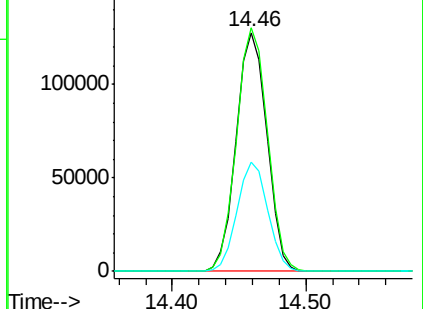
160 45.7 35.4 53.0



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: 166.552 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

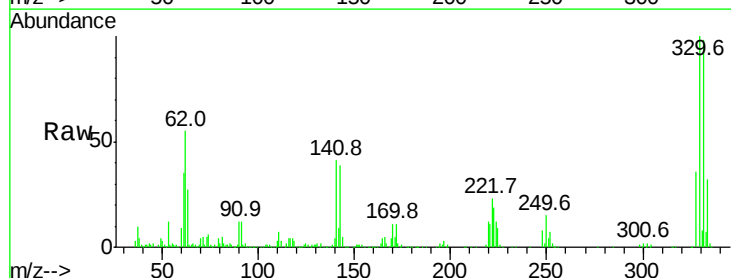
Tgt Ion:330 Resp: 395051

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

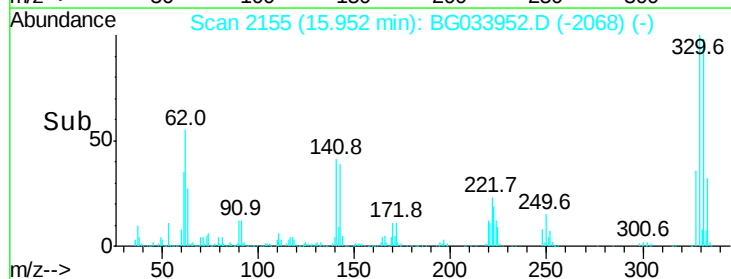
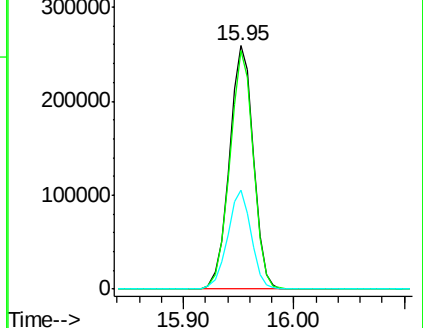
141 39.7 25.2 37.8#

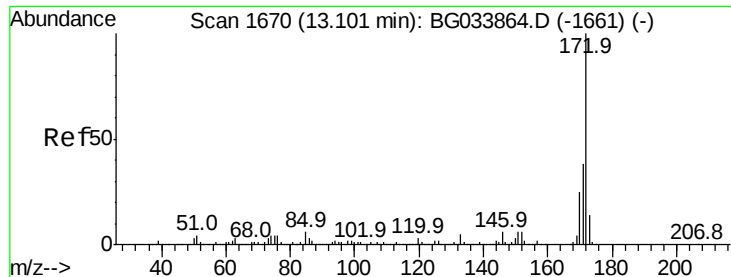


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

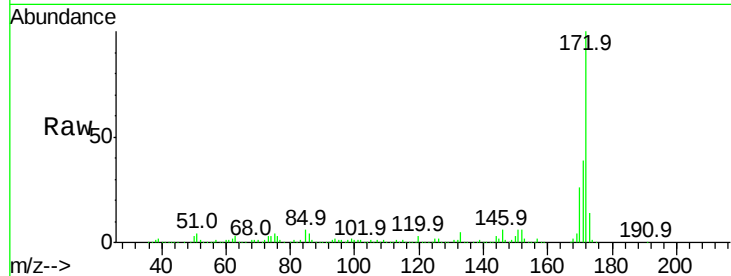




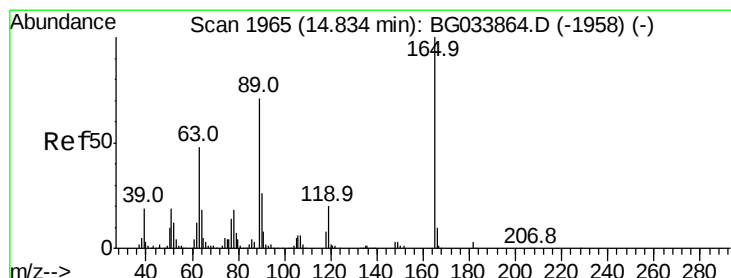
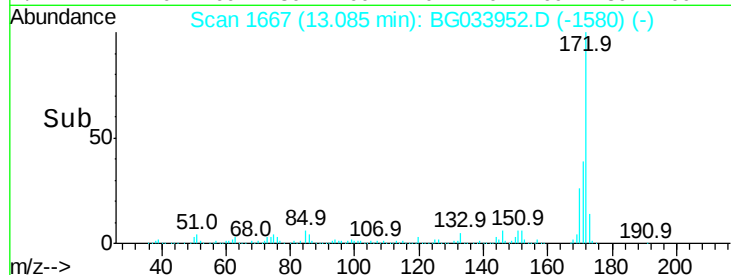
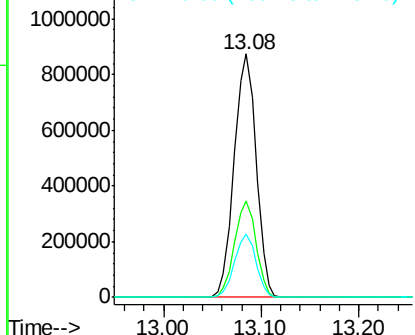
#44
2-Fluorobiphenyl
Concen: 98.921 ng
RT: 13.08 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1369051
Ion Ratio Lower Upper
172 100
171 39.4 30.0 45.0
170 25.8 19.5 29.3

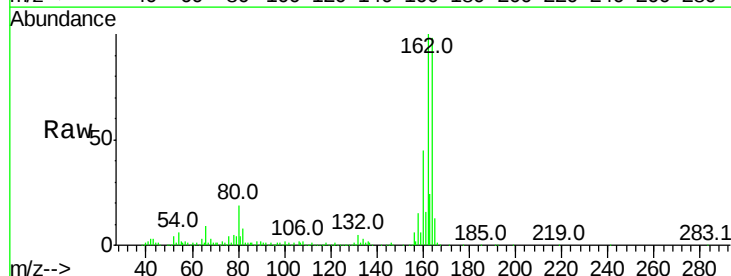


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

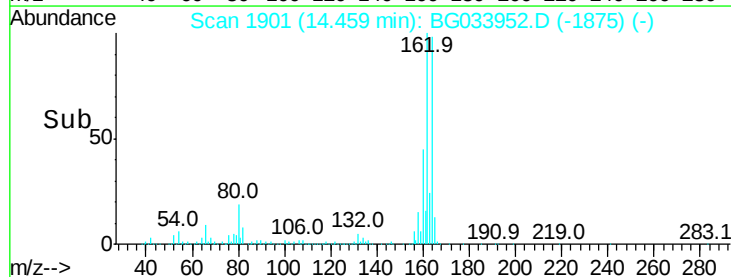
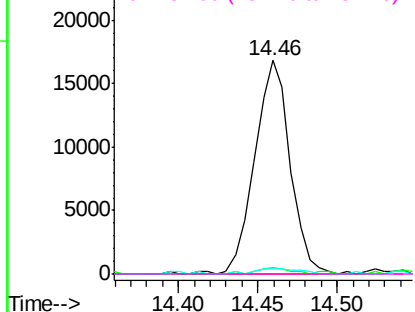


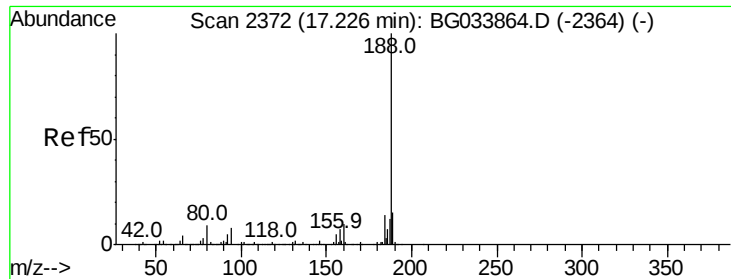
#56
2,4-Dinitrotoluene
Concen: 5.786 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.37 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

Tgt Ion:165 Resp: 26079
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 2.2 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: BG033952.D

Acq: 24 Apr 2018 13:43

Instrument :

BNA_G

ClientSampleId :

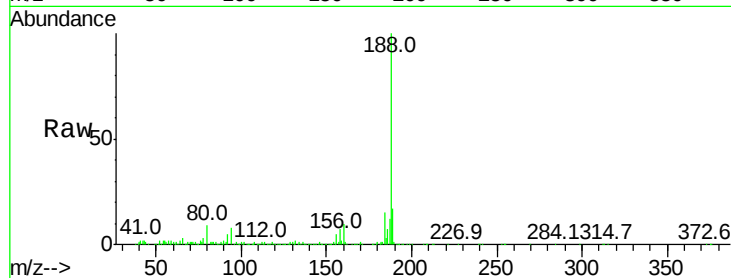
Tot Ion:188 Resp: 483732

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

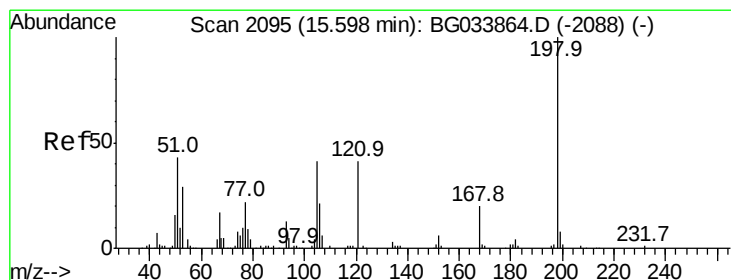
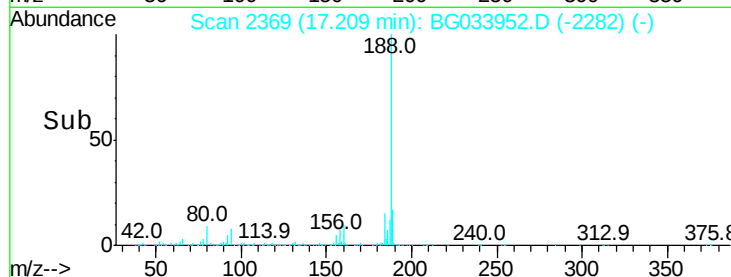
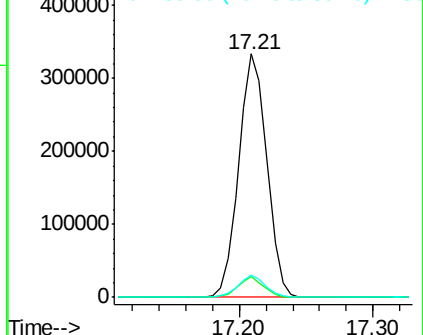
80 9.0 7.7 11.5



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: 6.510 ng

RT: 15.63 min Scan# 2101

Delta R.T. 0.04 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

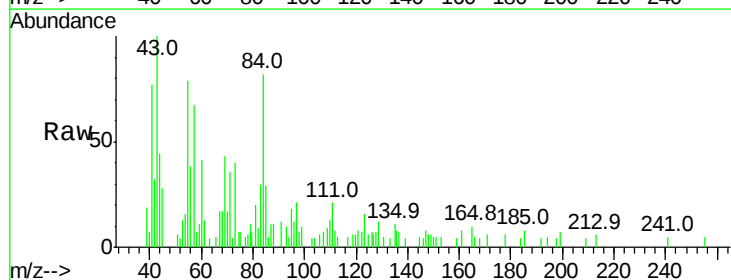
Tgt Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 154.3 30.6 70.6#

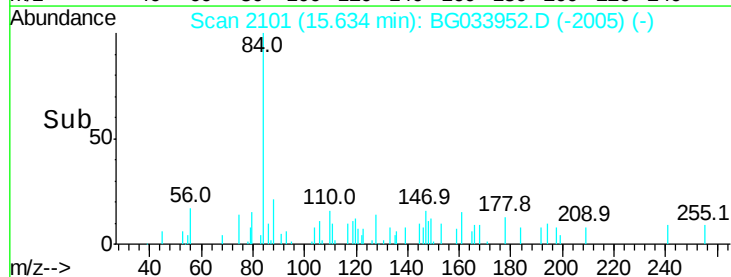
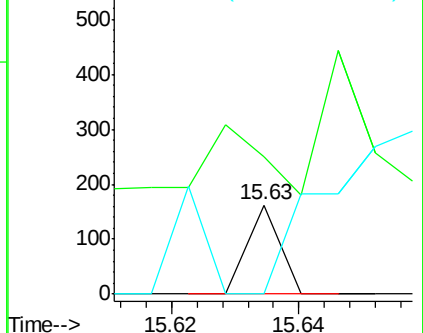
105 0.0 23.8 63.8#

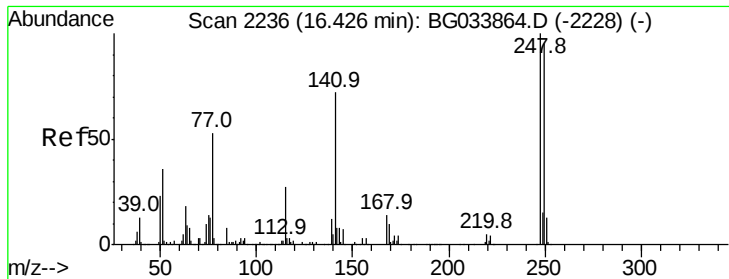


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

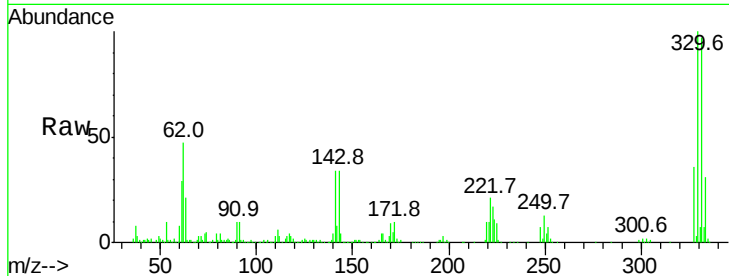




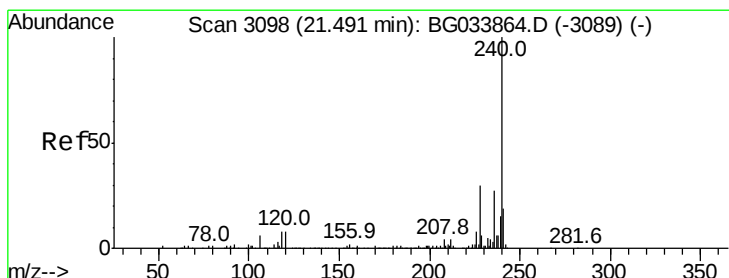
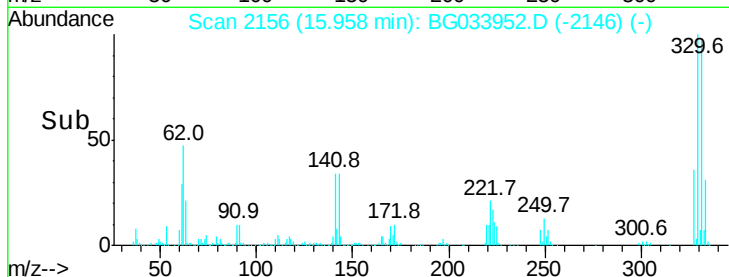
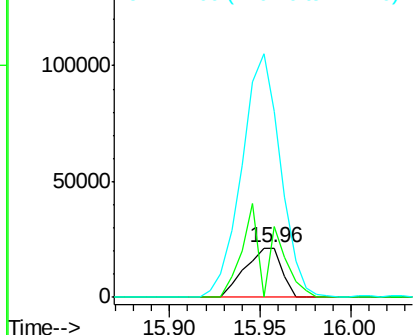
#66
 4-Bromophenyl-phenylether
 Concen: 5.746 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. -0.47 min
 Lab File: BG033952.D
 Acq: 24 Apr 2018 13:43

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 30524
 Ion Ratio Lower Upper
 248 100
 250 183.6 77.1 115.7#
 141 375.0 50.8 76.2#

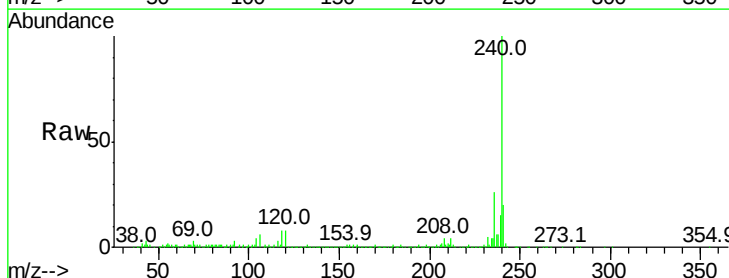


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

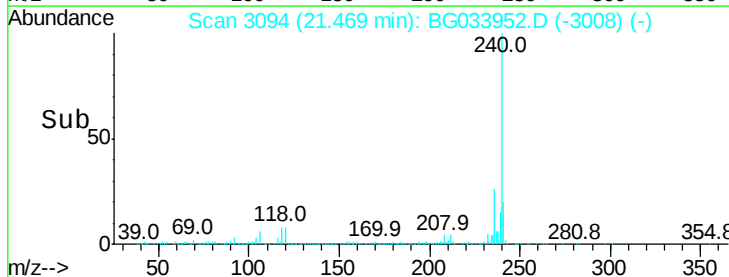
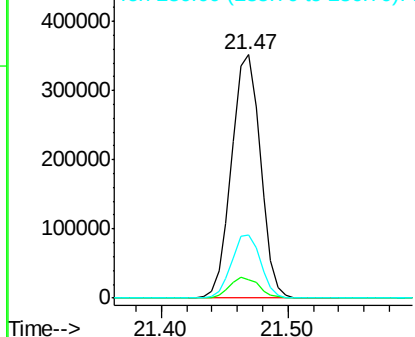


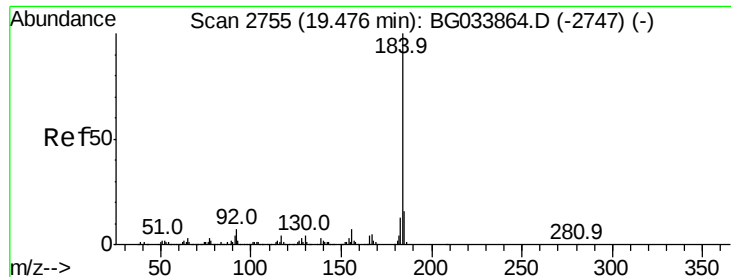
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033952.D
 Acq: 24 Apr 2018 13:43

Tgt Ion:240 Resp: 552242
 Ion Ratio Lower Upper
 240 100
 120 7.7 6.8 10.2
 236 25.7 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: 115.339 ng

RT: 19.47 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

Instrument :

BNA_G

ClientSampleId :

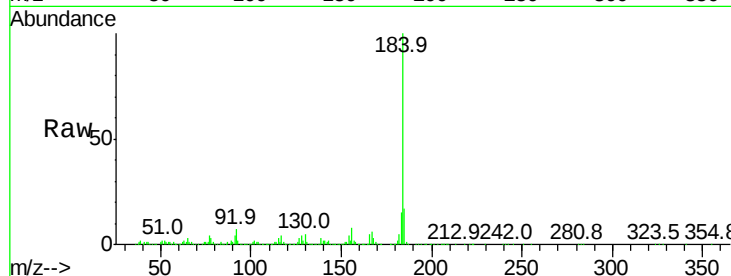
Tot Ion:184 Resp: 1719993

Ion	Ratio	Lower	Upper
184	100		
185	16.5	11.1	16.7
183	15.2	10.6	16.0

184 100

185 16.5 11.1 16.7

183 15.2 10.6 16.0

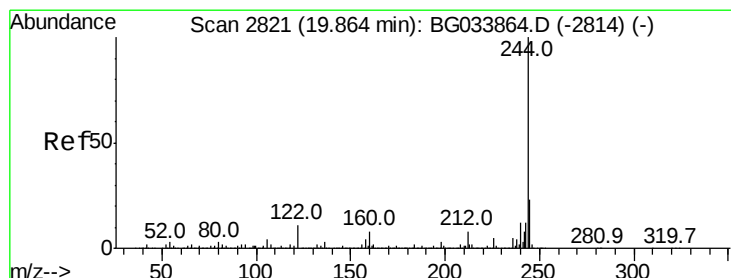
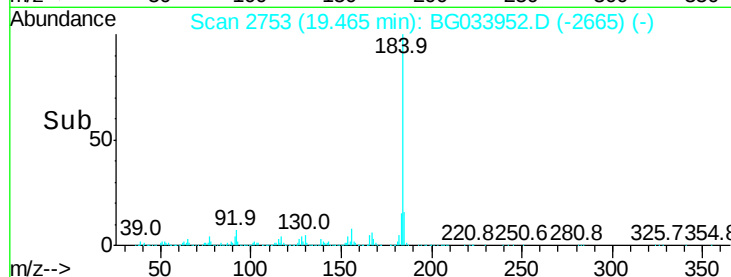
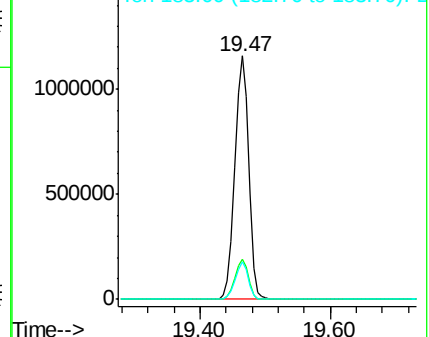


Abundance

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: 88.322 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033952.D

Acq: 24 Apr 2018 13:43

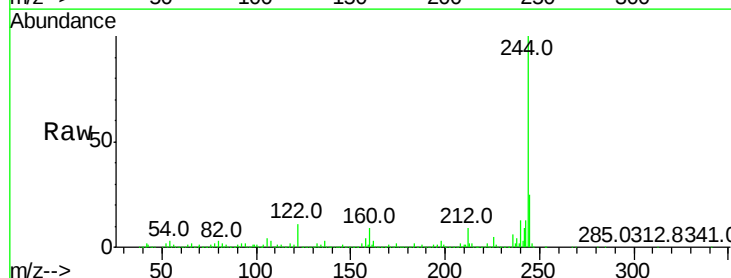
Tgt Ion:244 Resp: 2171049

Ion	Ratio	Lower	Upper
244	100		
212	9.3	5.8	8.8#
122	10.9	7.0	10.4#

244 100

212 9.3 5.8 8.8#

122 10.9 7.0 10.4#

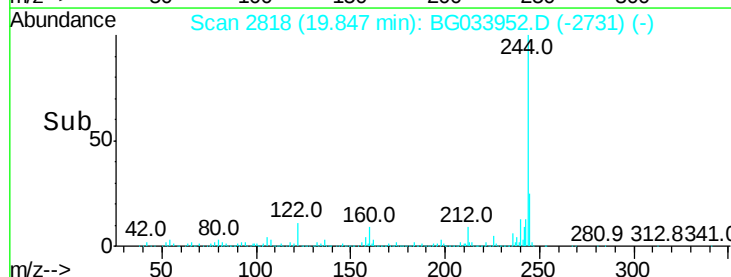
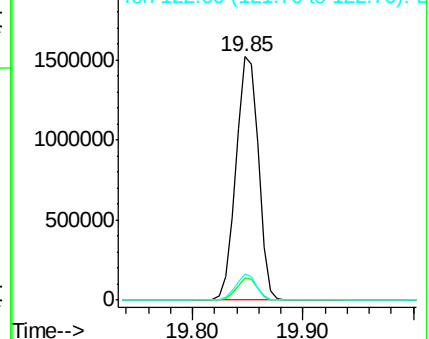


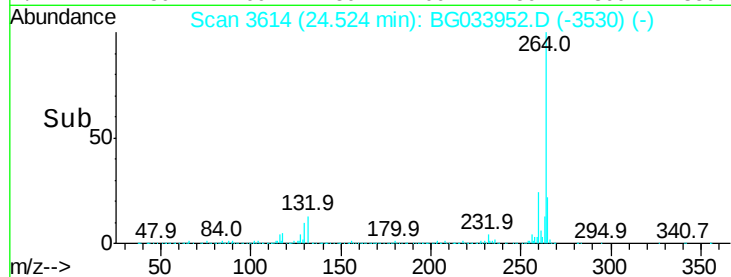
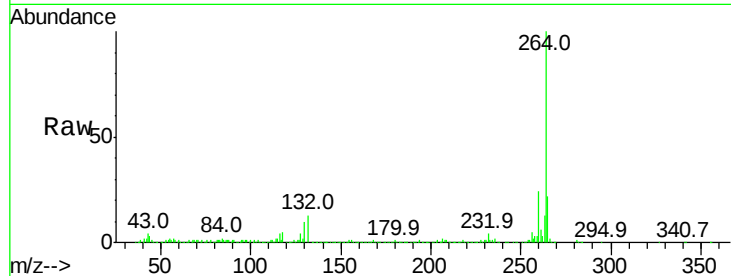
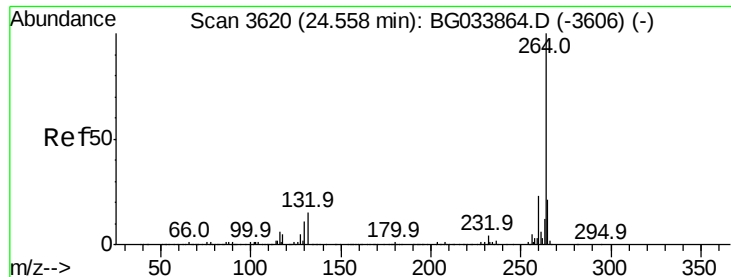
Abundance

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: 24.52 min Scan# 3614
Delta R.T. -0.03 min
Lab File: BG033952.D
Acq: 24 Apr 2018 13:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.0	17.7	26.5

