

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032704.D
 Acq On : 15 Feb 2018 7:08
 Operator : SJ/JU
 Sample : J1530-44
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 07:42:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

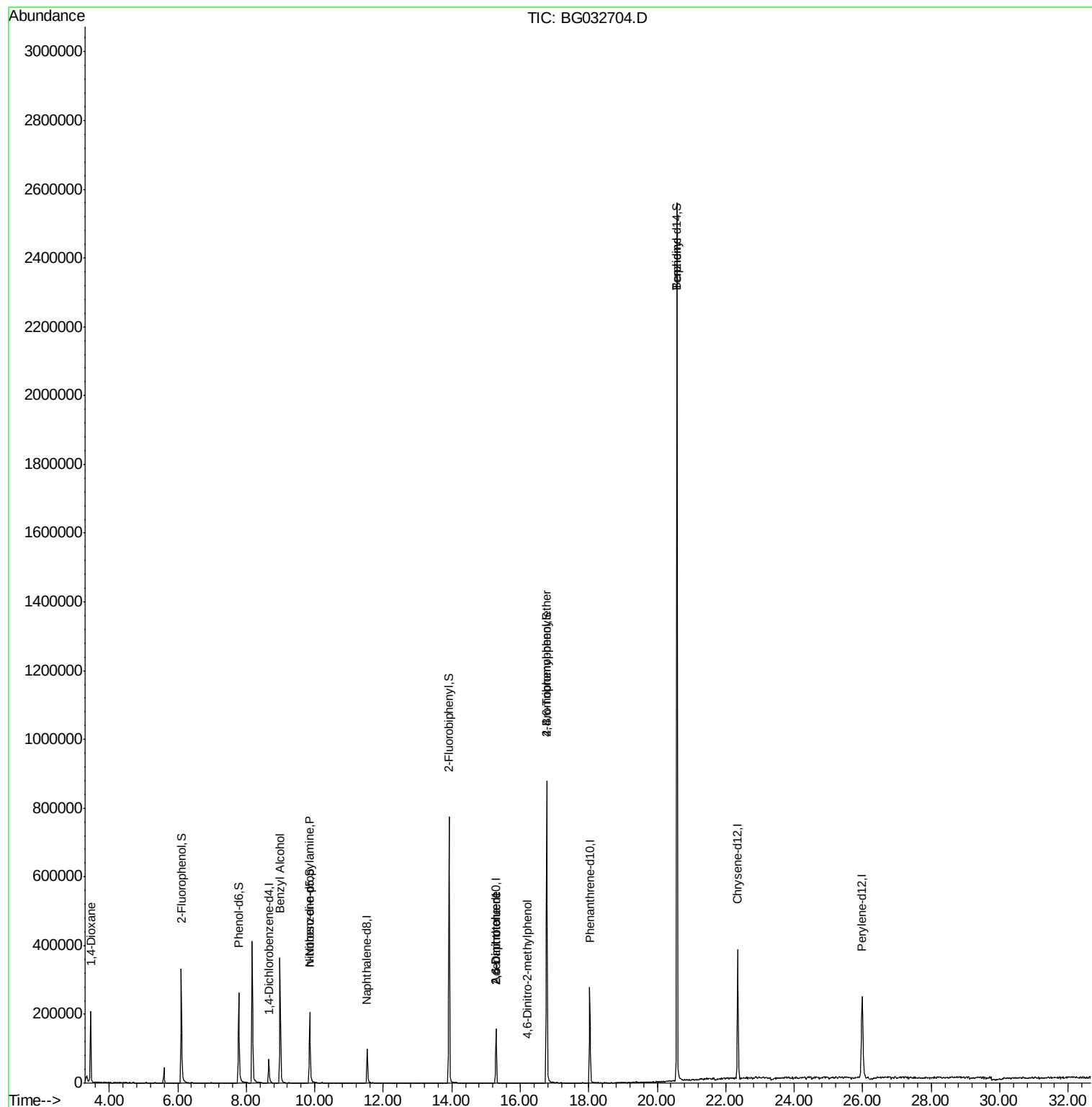
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	27516	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	104121	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	65567	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	204785	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	304168	20.00	ng	-0.02
86) Perylene-d12	25.99	264	332435	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	179021	130.53	ng	-0.01
7) Phenol-d6	7.78	99	181310	96.68	ng	-0.01
23) Nitrobenzene-d5	9.86	82	148737	90.79	ng	-0.02
41) 2,4,6-Tribromophenol	16.77	330	223718	221.59	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	476989	90.97	ng	-0.01
78) Terphenyl-d14	20.57	244	1415291	106.05	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.45	88	2794	4.87	ng	# 1
15) Benzyl Alcohol	8.99	79	3254	2.32	ng	# 32
19) n-Nitroso-di-n-propylamine	9.85	70	20042	15.90	ng	# 78
50) 2,6-Dinitrotoluene	15.29	165	8085	6.93	ng	# 18
56) 2,4-Dinitrotoluene	15.29	165	8085	5.03	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.21	198	54	5.06	ng	# 29
66) 4-Bromophenyl-phenylether	16.77	248	17936	6.12	ng	# 1
76) Benzidine	20.57	184	20895	2.92	ng	# 89

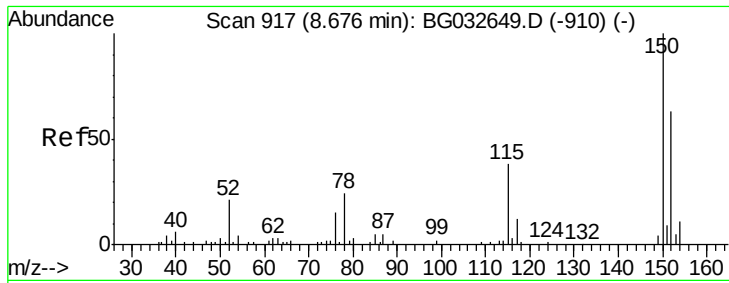
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.66 min Scan# 914

Delta R.T. -0.02 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

Instrument :

BNA_G

ClientSampleId :

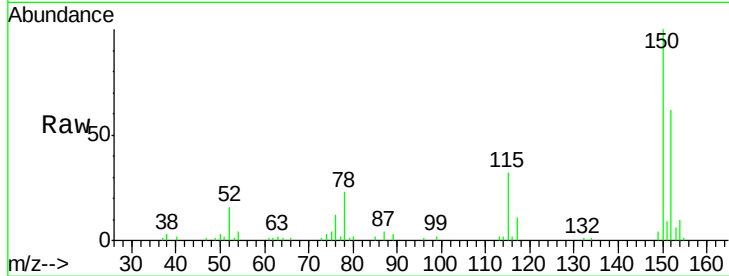
Tot Ion:152 Resp: 27516

Ion Ratio Lower Upper

152 100

150 160.8 126.6 189.8

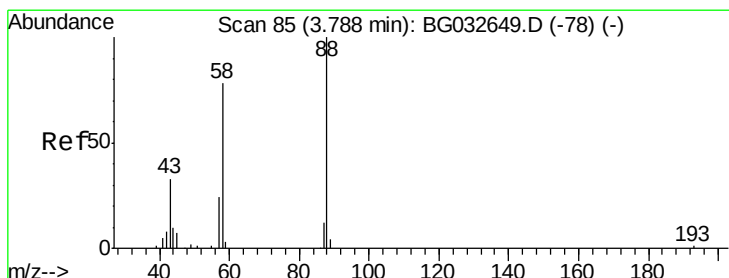
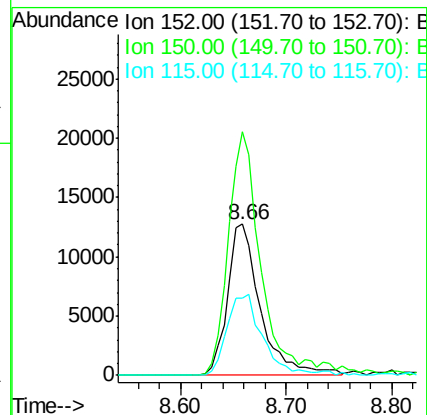
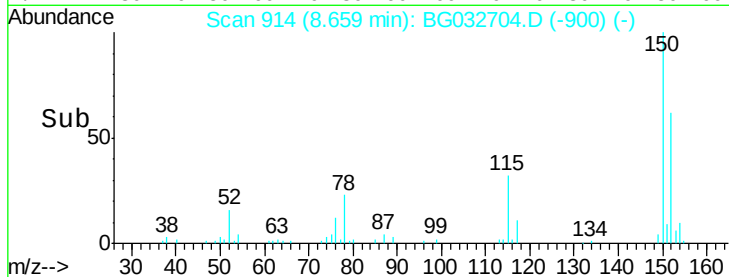
115 51.1 53.0 79.4#



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



#2

1,4-Dioxane

Concen: 4.87 ng

RT: 3.45 min Scan# 28

Delta R.T. -0.33 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

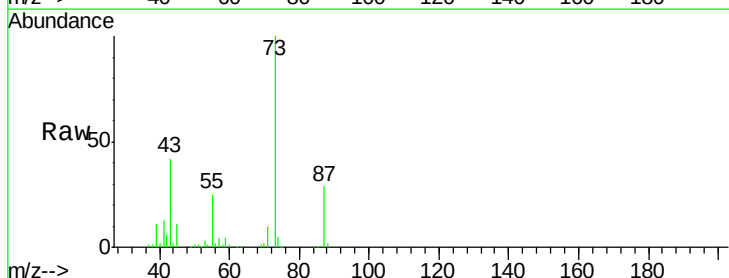
Tgt Ion: 88 Resp: 2794

Ion Ratio Lower Upper

88 100

58 29.6 79.6 119.4#

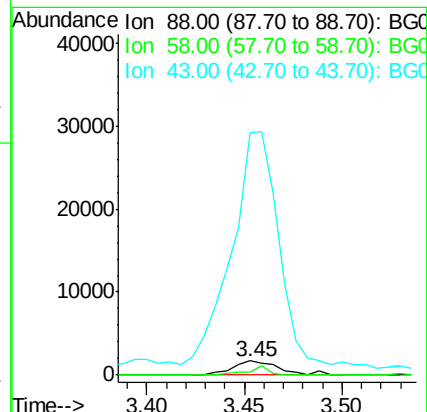
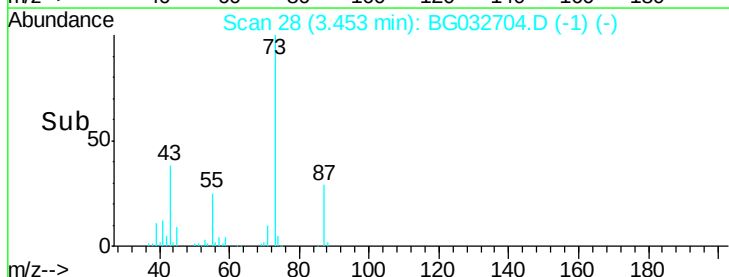
43 1748.6 27.4 41.0#

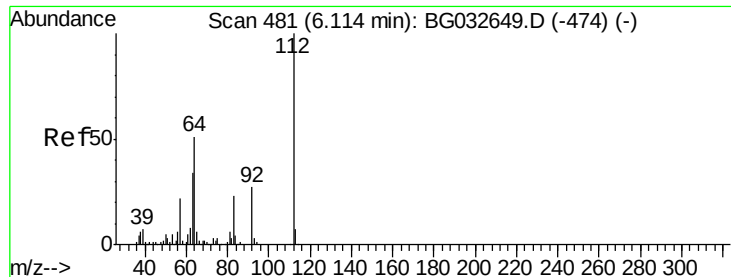


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 130.53 ng

RT: 6.10 min Scan# 479

Delta R.T. -0.01 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

Instrument :

BNA_G

ClientSampleId :

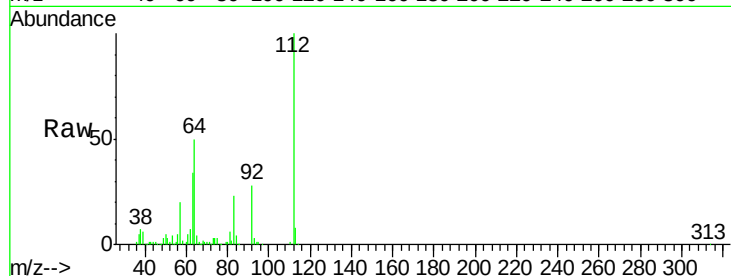
Tot Ion:112 Resp: 179021

Ion Ratio Lower Upper

112 100

64 49.6 56.3 84.5#

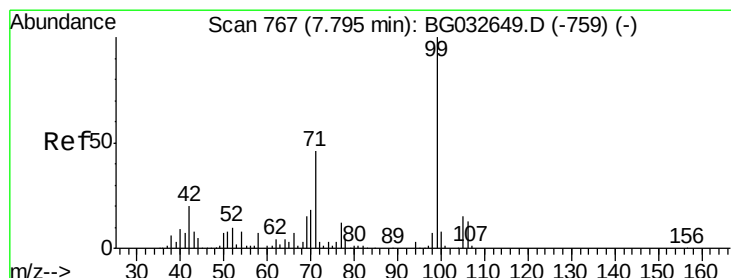
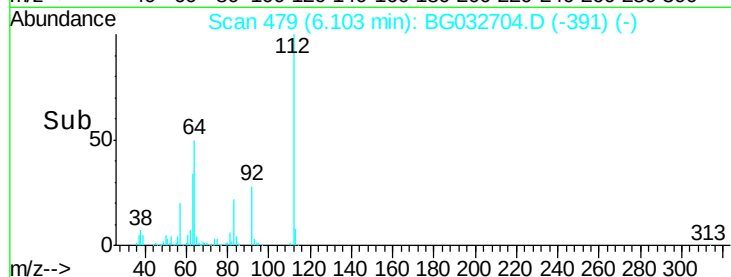
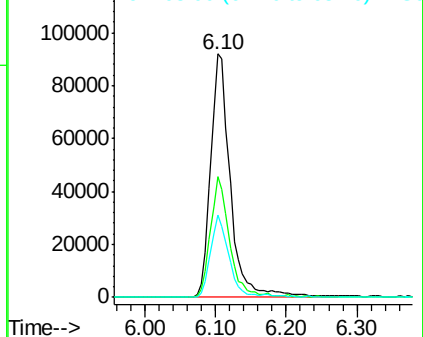
63 33.6 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 96.68 ng

RT: 7.78 min Scan# 765

Delta R.T. -0.01 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

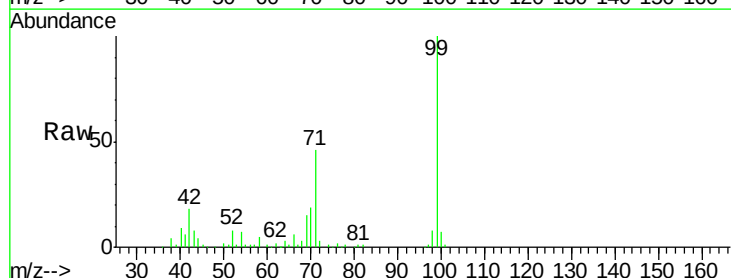
Tgt Ion: 99 Resp: 181310

Ion Ratio Lower Upper

99 100

42 18.0 14.1 21.1

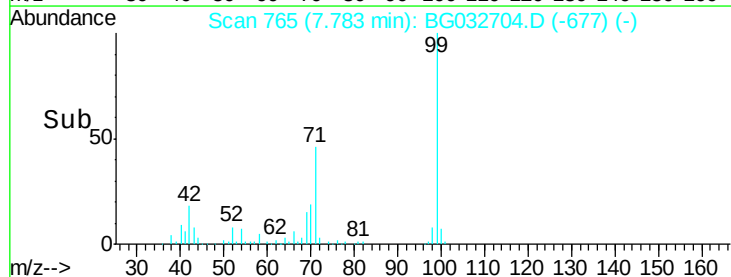
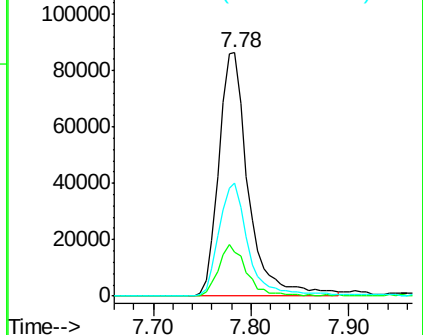
71 46.3 26.1 39.1#

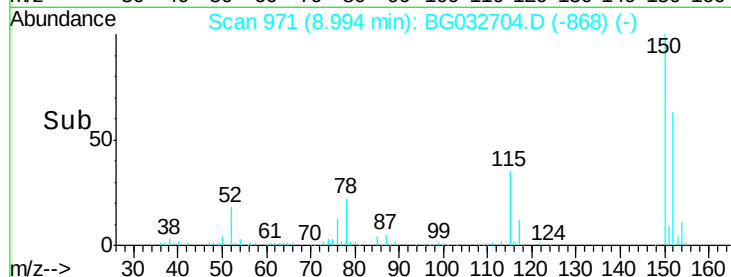
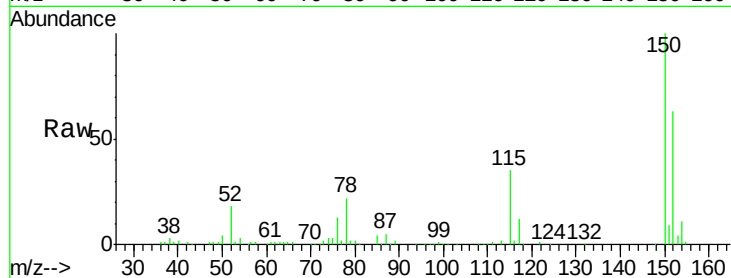
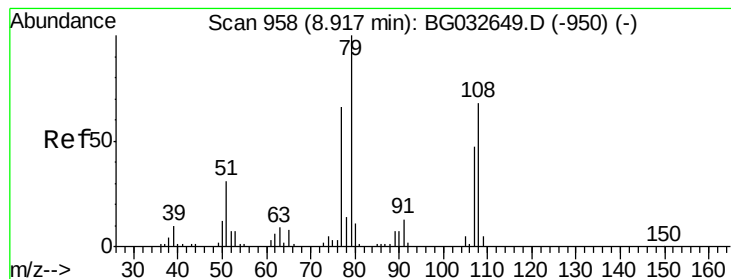


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 8.99 min Scan# 971

Delta R.T. 0.08 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

Instrument :

BNA_G

ClientSampled :

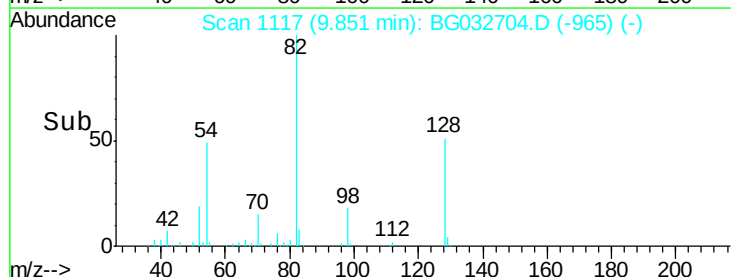
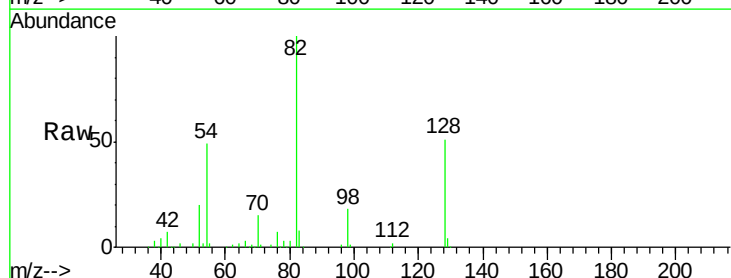
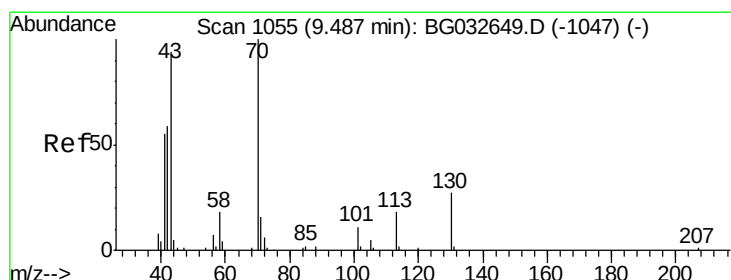
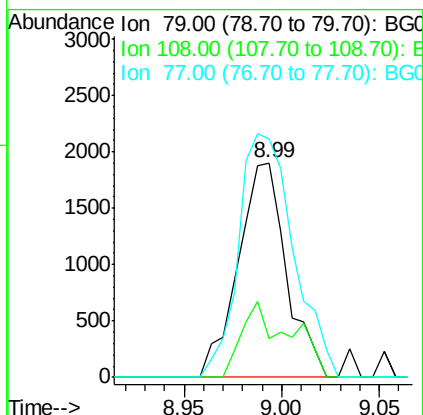
Tot Ion: 79 Resp: 3254

Ion Ratio Lower Upper

79 100

108 18.0 57.2 85.8#

77 111.3 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.90 ng

RT: 9.85 min Scan# 1117

Delta R.T. 0.36 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

Tgt Ion: 70 Resp: 20042

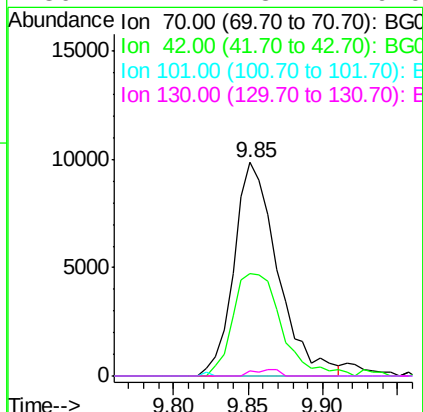
Ion Ratio Lower Upper

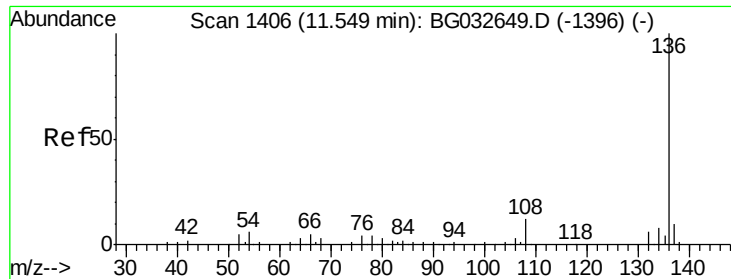
70 100

42 48.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

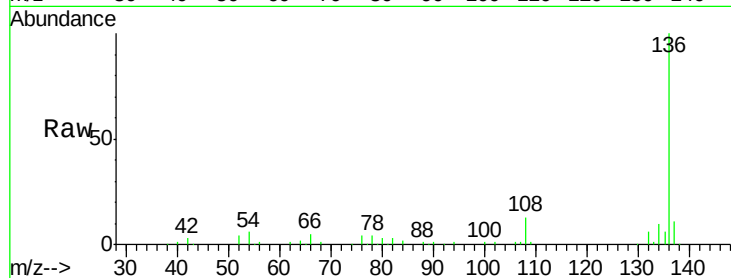




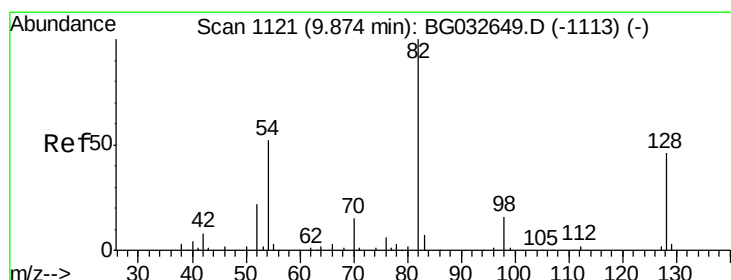
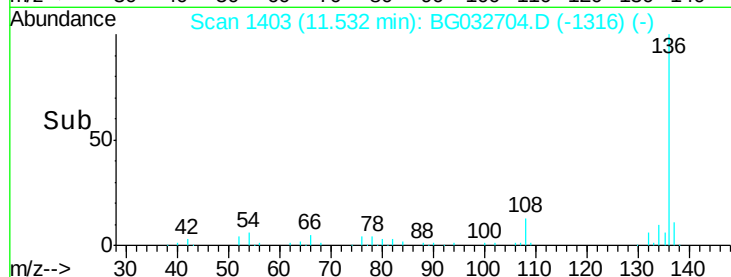
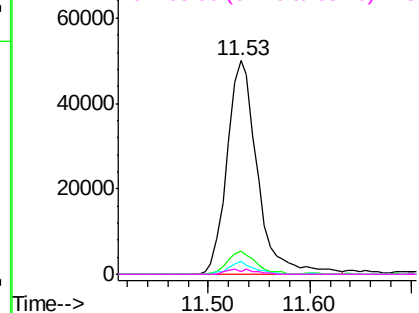
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BG032704.D
Acq: 15 Feb 2018 7:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	104121
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	6.1	10.3 15.5#
68	1.1	4.5 6.7#

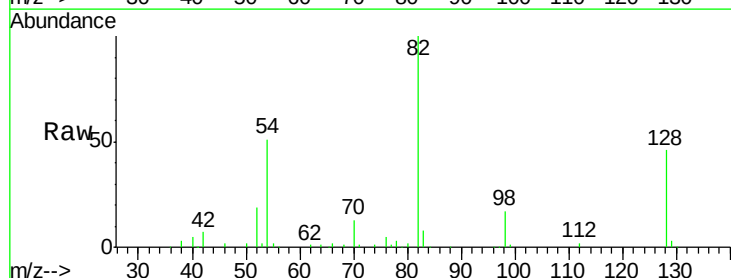


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

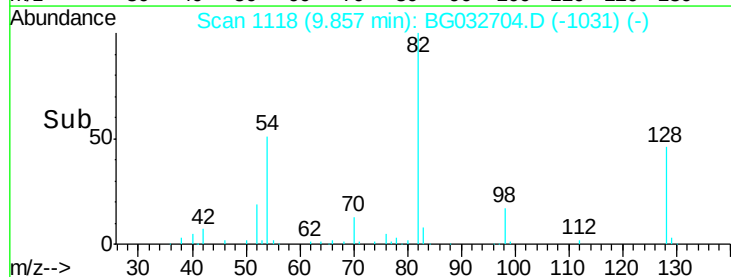
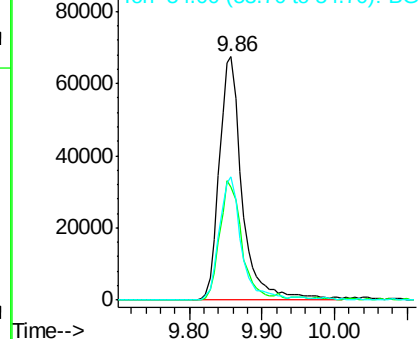


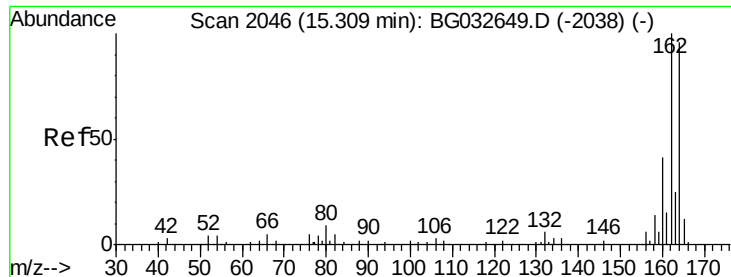
#23
Nitrobenzene-d5
Concen: 90.79 ng
RT: 9.86 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BG032704.D
Acq: 15 Feb 2018 7:08

Tgt Ion: 82	Resp:	148737
Ion Ratio	Lower	Upper
82	100	
128	46.5	29.7 44.5#
54	50.6	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: 20.00 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

Instrument :

BNA_G

ClientSampled :

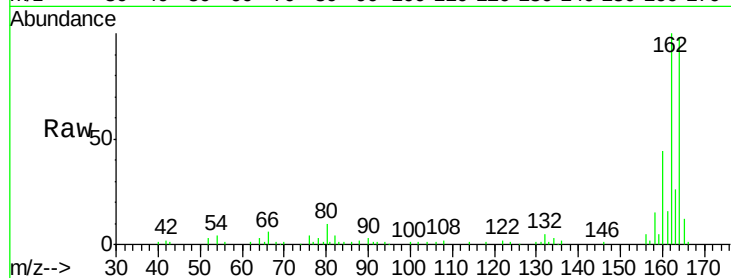
Tot Ion:164 Resp: 65567

Ion Ratio Lower Upper

164 100

162 102.1 78.8 118.2

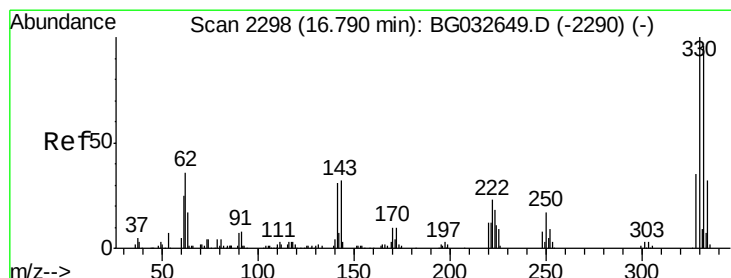
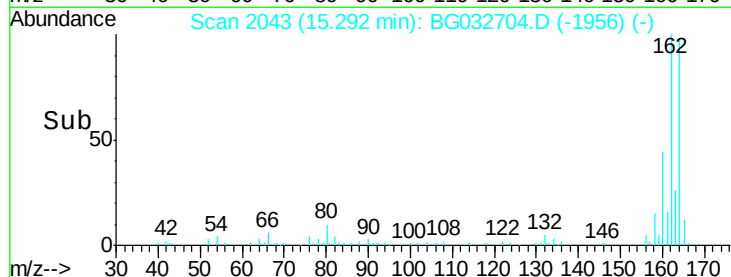
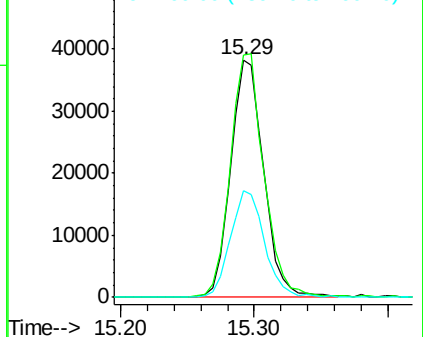
160 45.2 35.4 53.0



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: 221.59 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

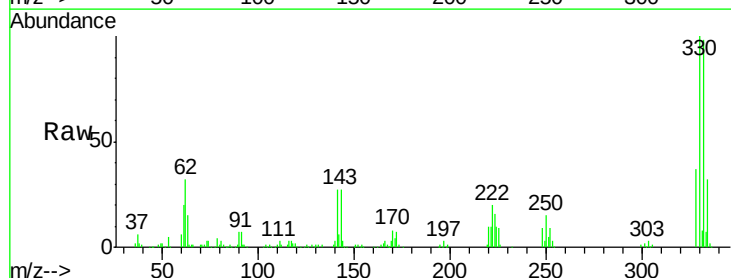
Tgt Ion:330 Resp: 223718

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

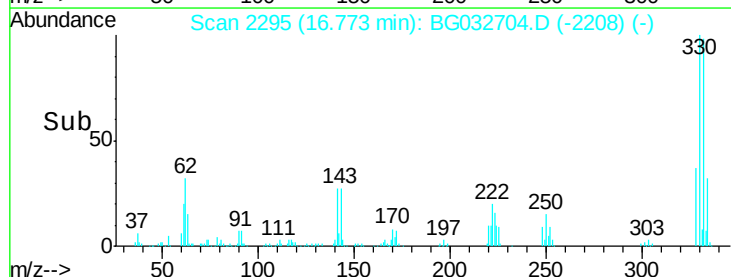
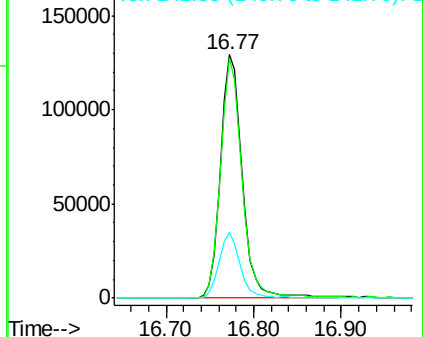
141 26.2 25.2 37.8

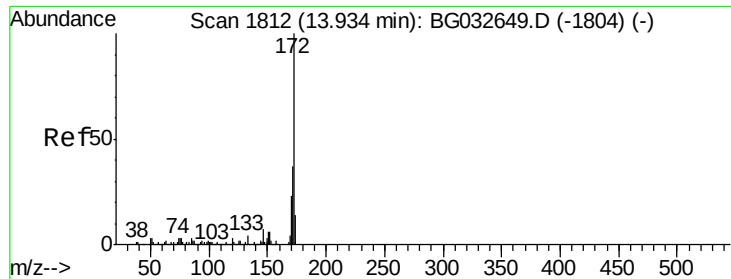


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

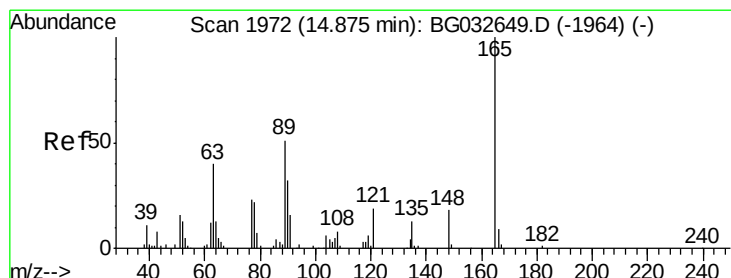
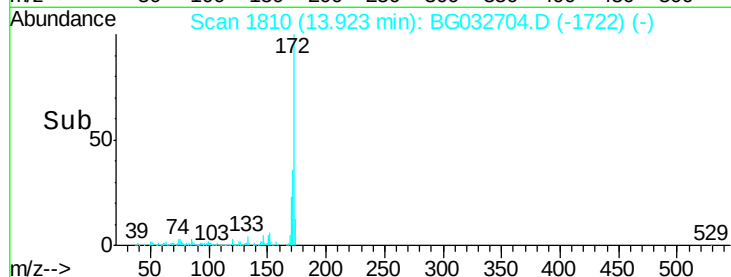
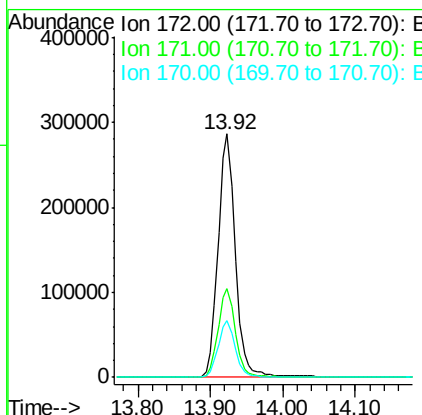
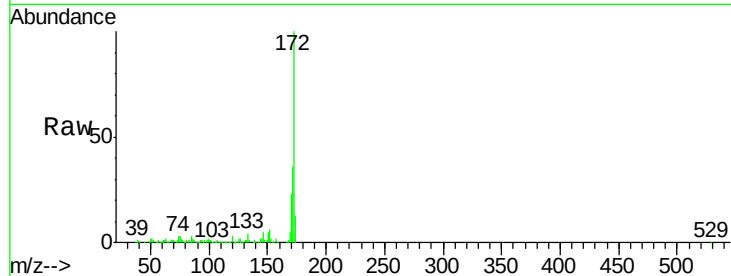




#44
2-Fluorobiphenyl
Concen: 90.97 ng
RT: 13.92 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BG032704.D
Acq: 15 Feb 2018 7:08

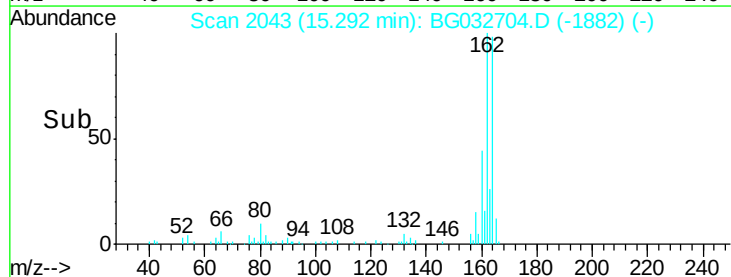
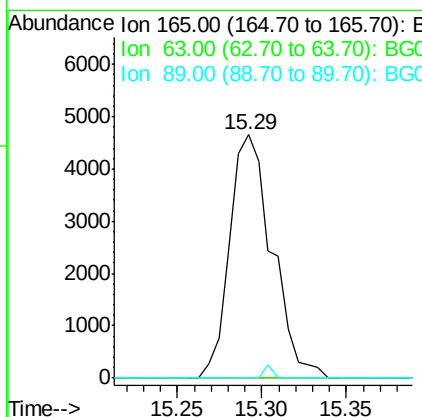
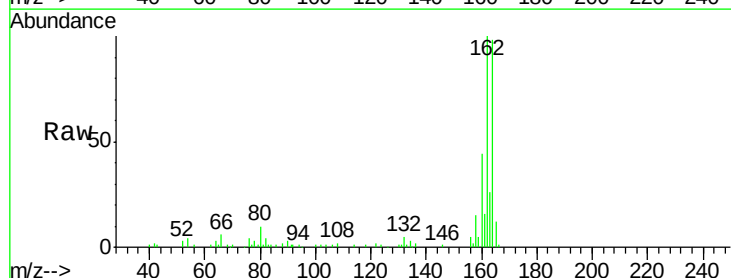
Instrument :
BNA_G
ClientSampleId :

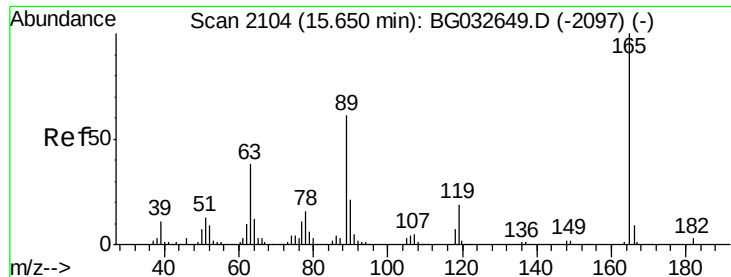
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.0	45.0
170	23.1	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 6.93 ng
RT: 15.29 min Scan# 2043
Delta R.T. 0.42 min
Lab File: BG032704.D
Acq: 15 Feb 2018 7:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#

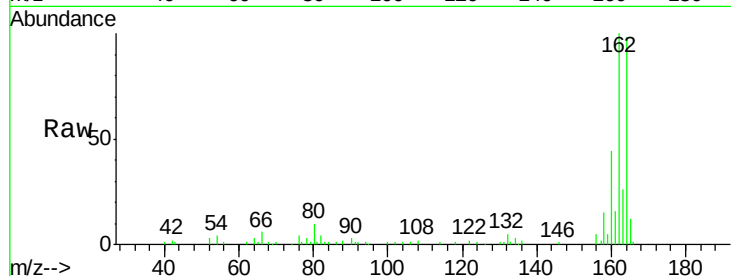




#56
 2,4-Dinitrotoluene
 Concen: 5.03 ng
 RT: 15.29 min Scan# 2043
 Delta R.T. -0.36 min
 Lab File: BG032704.D
 Acq: 15 Feb 2018 7:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

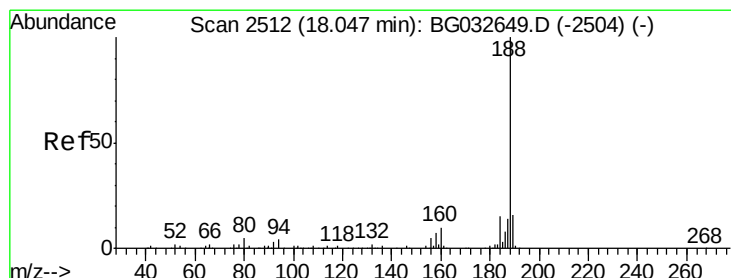
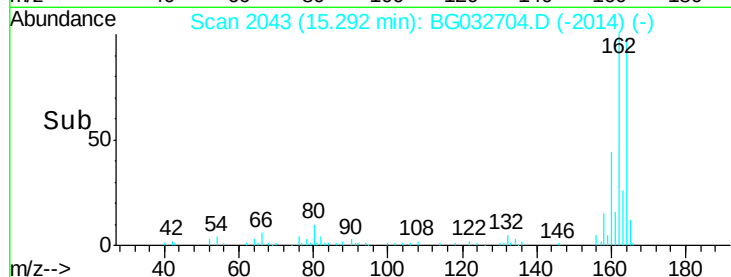
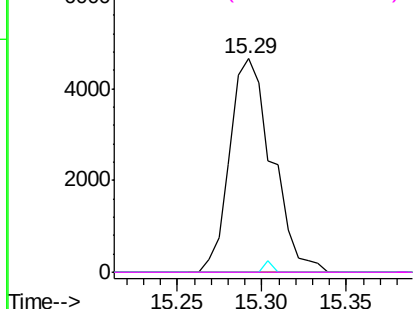


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

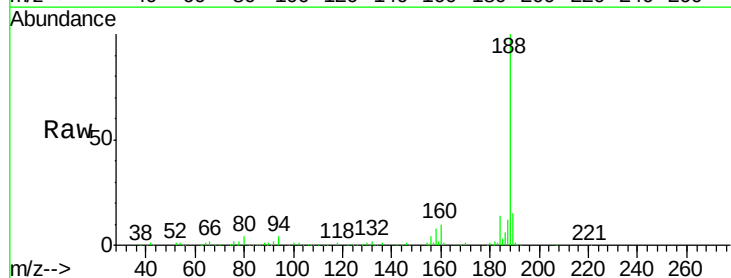
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.03 min Scan# 2509
 Delta R.T. -0.02 min
 Lab File: BG032704.D
 Acq: 15 Feb 2018 7:08

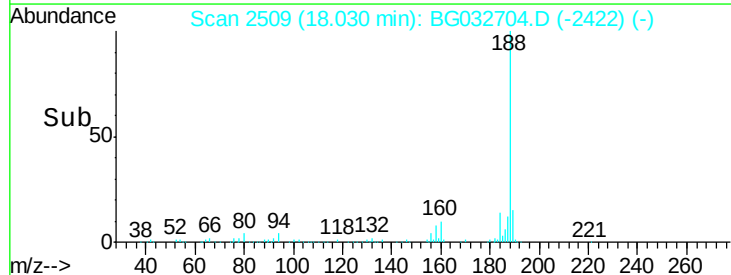
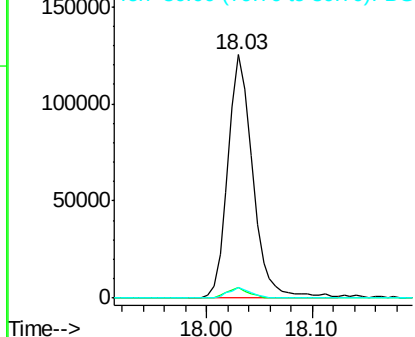
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	4.1	7.7	11.5#

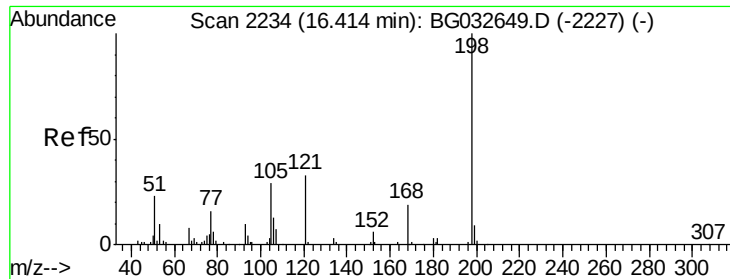


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

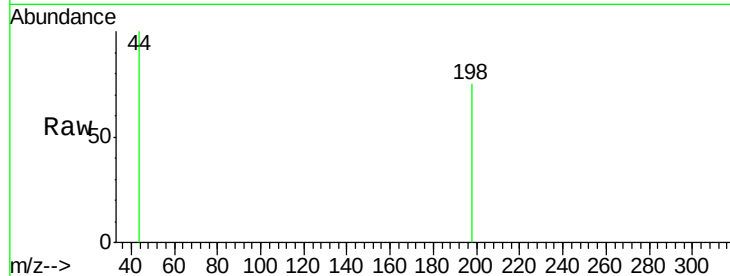




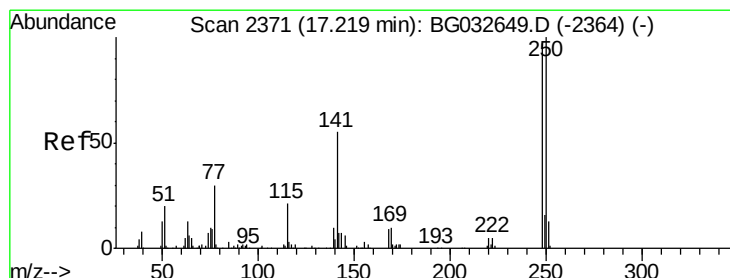
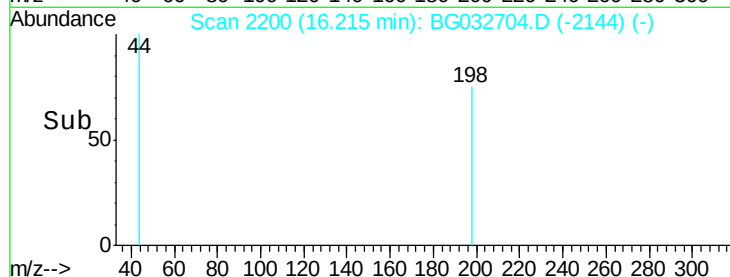
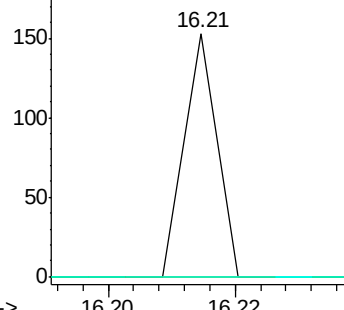
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.06 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.20 min
 Lab File: BG032704.D
 Acq: 15 Feb 2018 7:08

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 54
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#

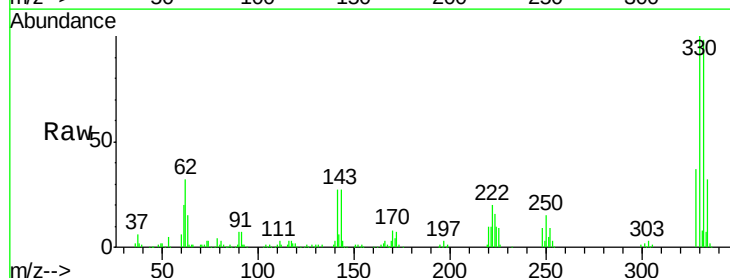


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

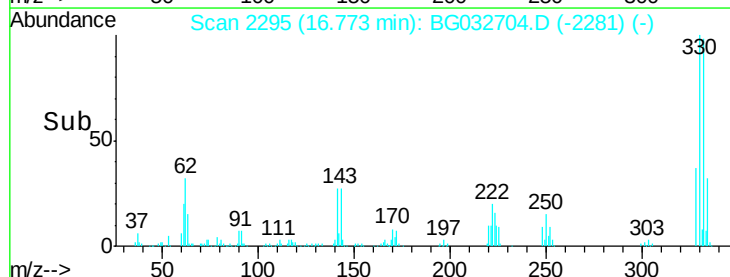
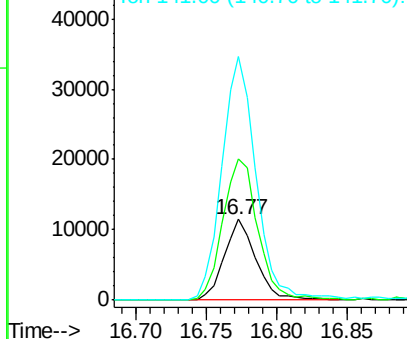


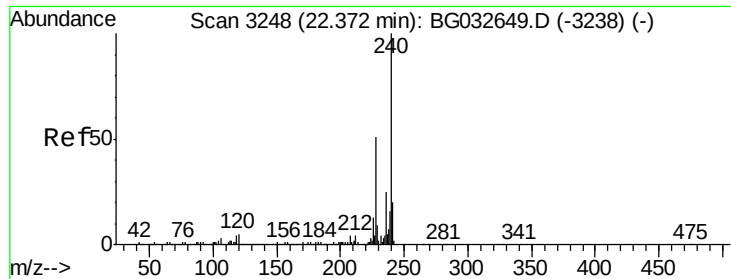
#66
 4-Bromophenyl-phenylether
 Concen: 6.12 ng
 RT: 16.77 min Scan# 2295
 Delta R.T. -0.45 min
 Lab File: BG032704.D
 Acq: 15 Feb 2018 7:08

Tgt Ion:248 Resp: 17936
 Ion Ratio Lower Upper
 248 100
 250 174.0 77.1 115.7#
 141 301.1 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: 20.00 ng

RT: 22.35 min Scan# 3244

Delta R.T. -0.02 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

Instrument :

BNA_G

ClientSampleId :

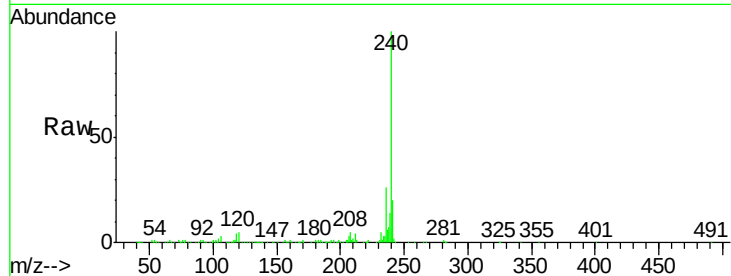
Tot Ion:240 Resp: 304168

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

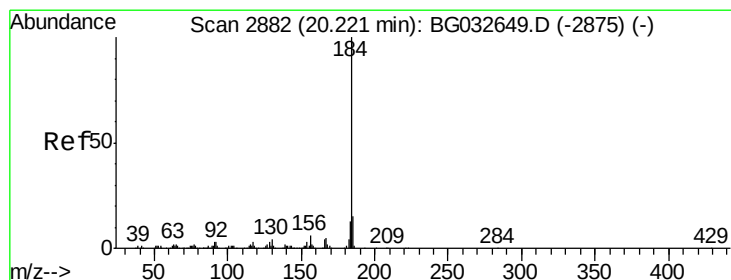
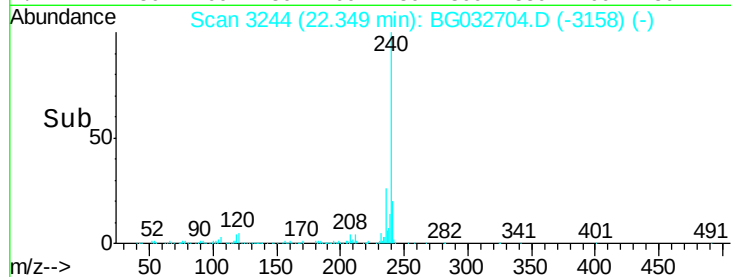
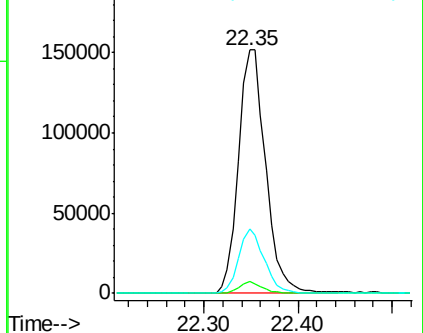
236 26.3 20.9 31.3



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: 2.92 ng

RT: 20.57 min Scan# 2942

Delta R.T. 0.35 min

Lab File: BG032704.D

Acq: 15 Feb 2018 7:08

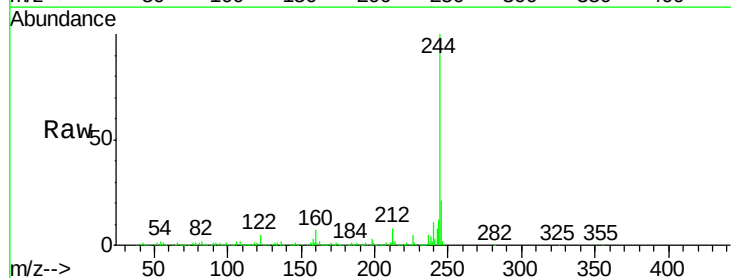
Tgt Ion:184 Resp: 20895

Ion Ratio Lower Upper

184 100

185 16.6 11.1 16.7

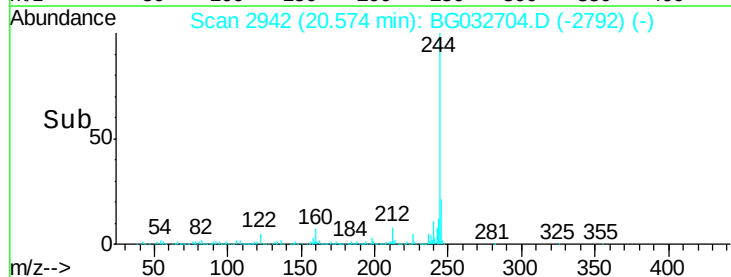
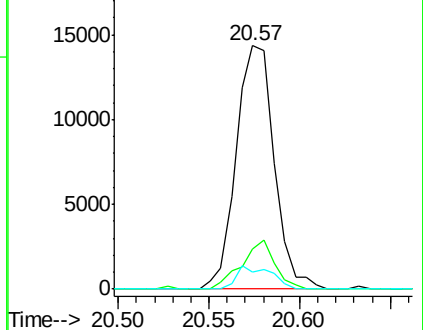
183 6.8 10.6 16.0#

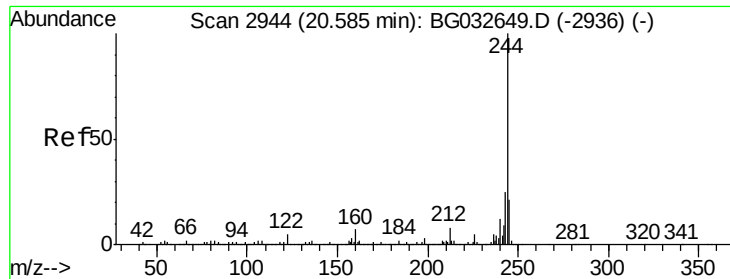


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

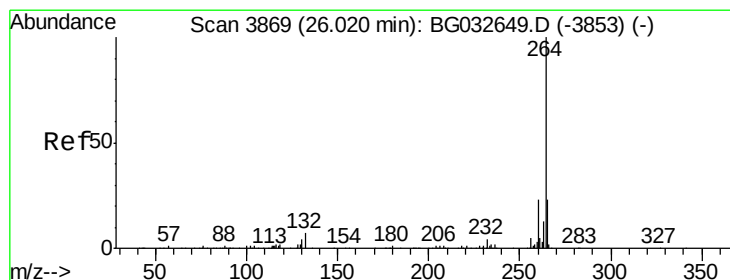
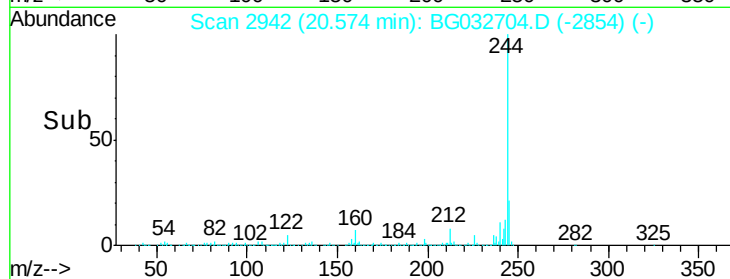
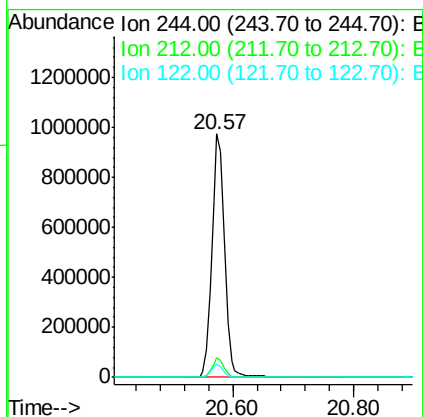
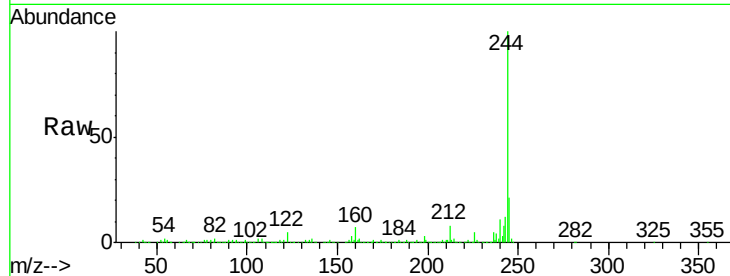




#78
 Terphenyl-d14
 Concen: 106.05 ng
 RT: 20.57 min Scan# 2942
 Delta R.T. -0.01 min
 Lab File: BG032704.D
 Acq: 15 Feb 2018 7:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1415291
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.8
 122 5.4 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.99 min Scan# 3863
 Delta R.T. -0.03 min
 Lab File: BG032704.D
 Acq: 15 Feb 2018 7:08

Tgt Ion:264 Resp: 332435
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.4 26.0
 265 22.0 17.7 26.5

