

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
 Data File : BG033028.D
 Acq On : 6 Mar 2018 19:16
 Operator : SJ/JU
 Sample : J1810-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 07 02:21:39 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

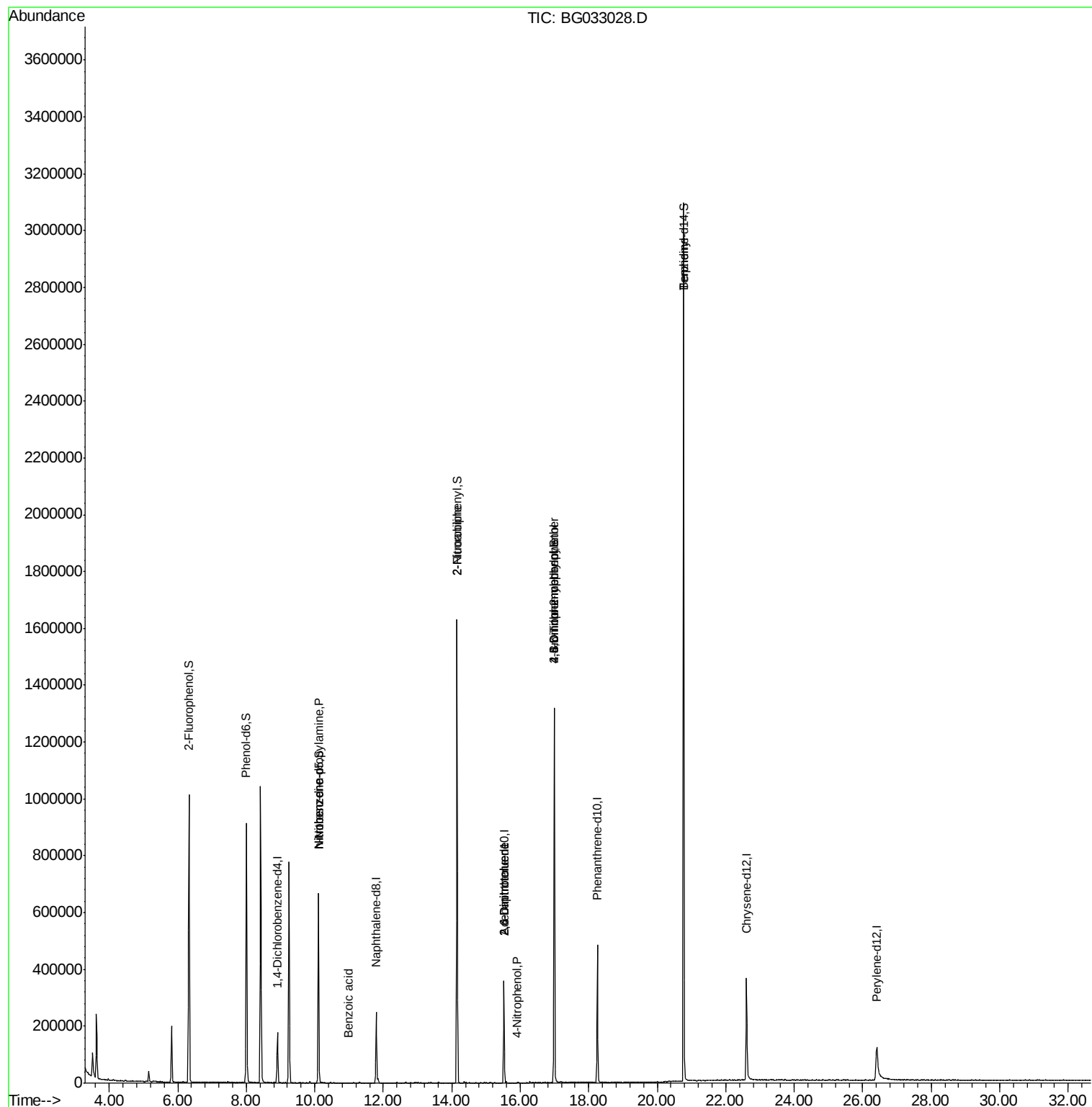
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	50232	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	214586	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	122755	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	291121	20.00	ng	0.00
75) Chrysene-d12	22.61	240	268868	20.00	ng	0.00
86) Perylene-d12	26.41	264	204167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	461538	147.00	ng	0.00
7) Phenol-d6	8.01	99	560742	128.13	ng	0.00
23) Nitrobenzene-d5	10.11	82	413656	128.08	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	236154	182.96	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	860354	101.08	ng	0.00
78) Terphenyl-d14	20.77	244	1387779	115.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	53845	17.428	ng	# 83
24) Nitrobenzene	10.11	77	1270	6.702	ng	# 43
32) Benzoic acid	10.98	122	55	5.848	ng	# 1
47) 2-Nitroaniline	14.16	65	1602	10.466	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	15911	16.411	ng	# 20
55) 4-Nitrophenol	15.92	139	682	7.445	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	15911	14.609	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.99	198	680	5.940	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16939	5.503	ng	# 1
76) Benzidine	20.77	184	24509	2.674	ng	# 89

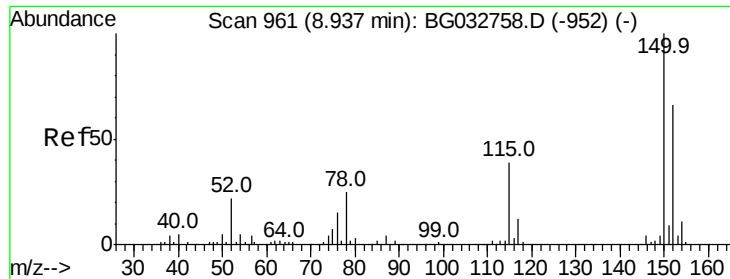
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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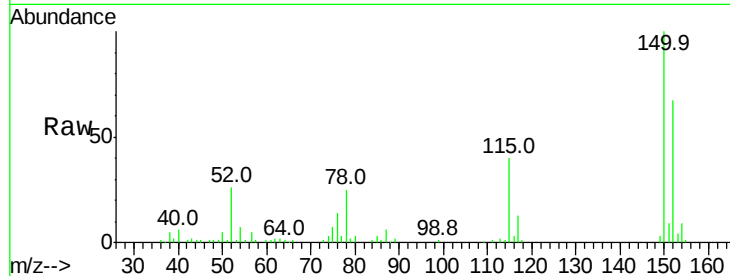


#1

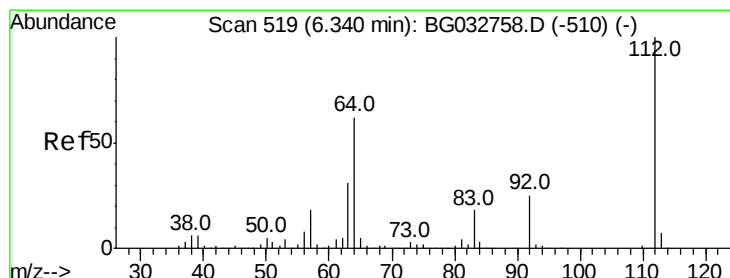
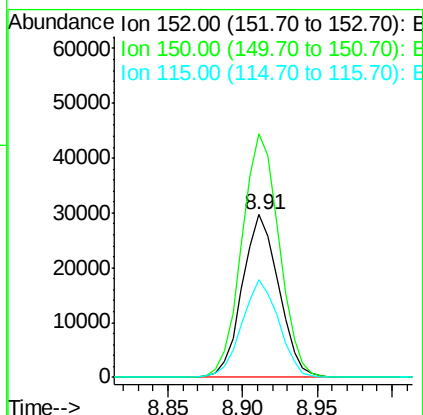
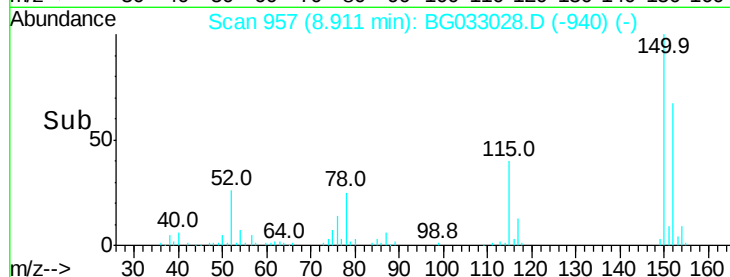
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033028.D
Acq: 6 Mar 2018 19:16

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 50232
Ion Ratio Lower Upper
152 100
150 149.8 126.6 189.8
115 60.0 53.0 79.4



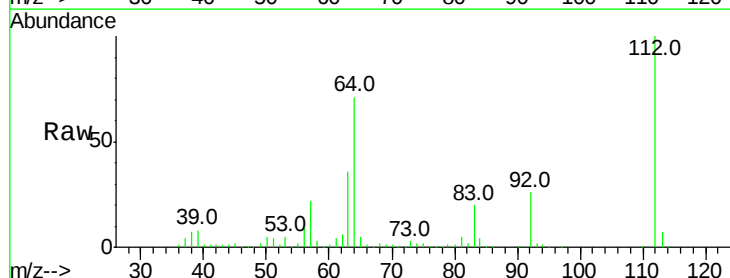
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



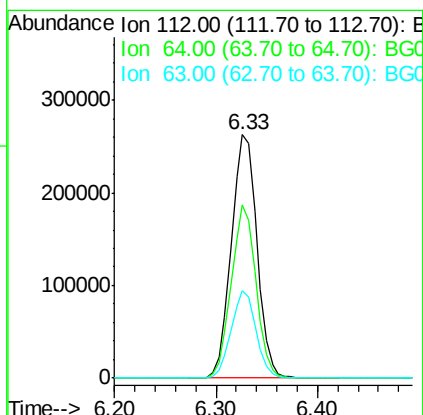
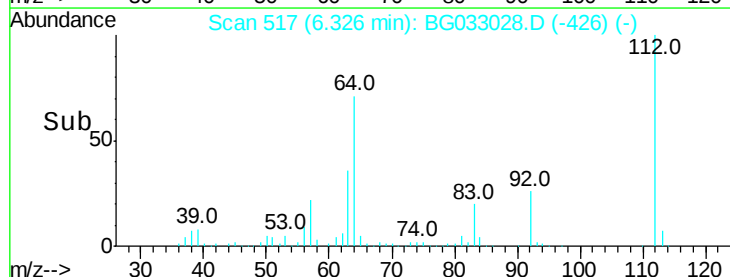
#5

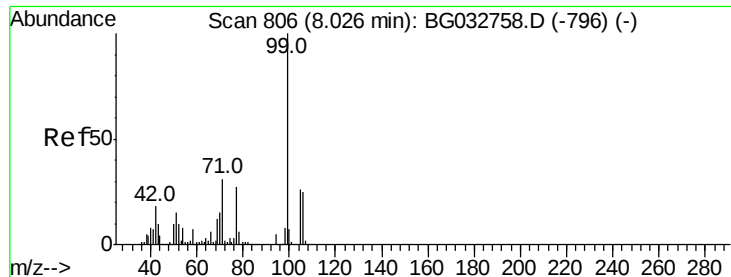
2-Fluorophenol
Concen: 146.997 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033028.D
Acq: 6 Mar 2018 19:16

Tgt Ion:112 Resp: 461538
Ion Ratio Lower Upper
112 100
64 71.2 56.3 84.5
63 36.2 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: 128.128 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

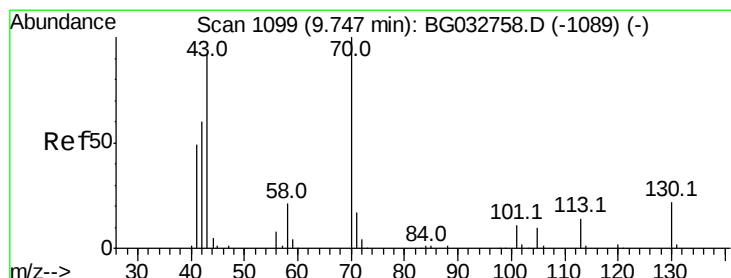
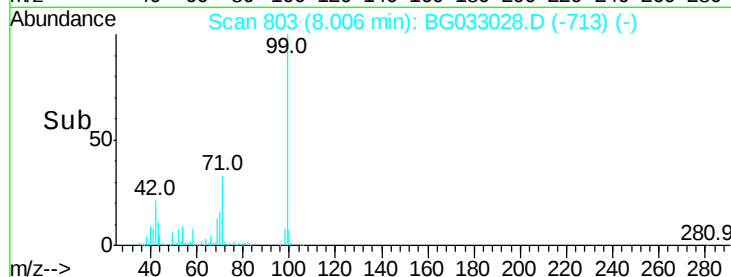
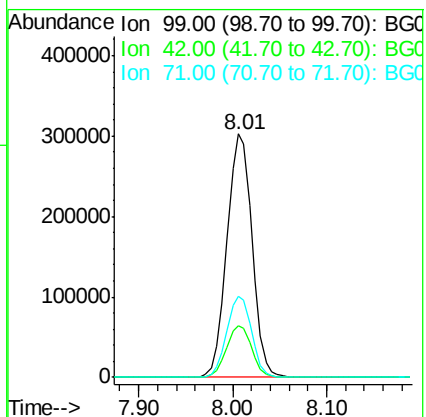
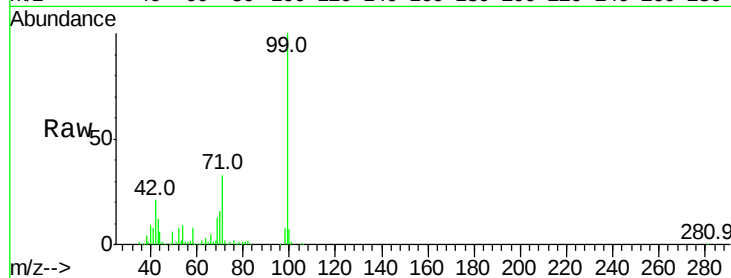
Tot Ion: 99 Resp: 560742

Ion Ratio Lower Upper

99 100

42 21.3 14.1 21.1#

71 33.3 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 17.428 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

Tgt Ion: 70 Resp: 53845

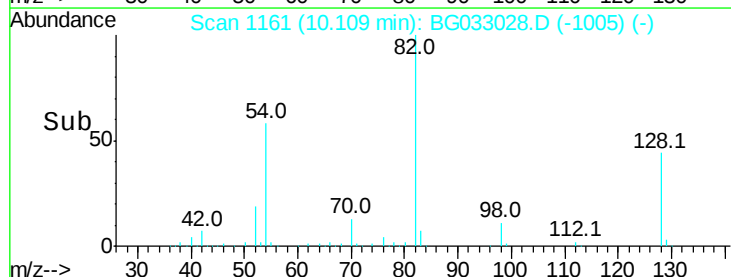
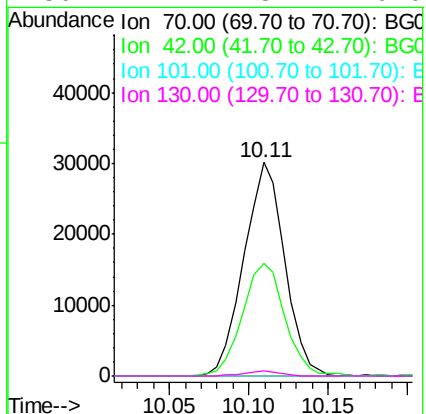
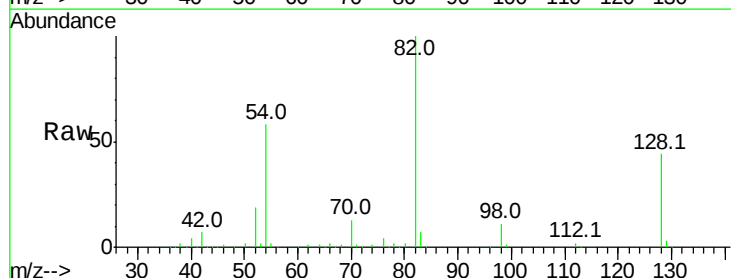
Ion Ratio Lower Upper

70 100

42 52.8 49.1 73.7

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

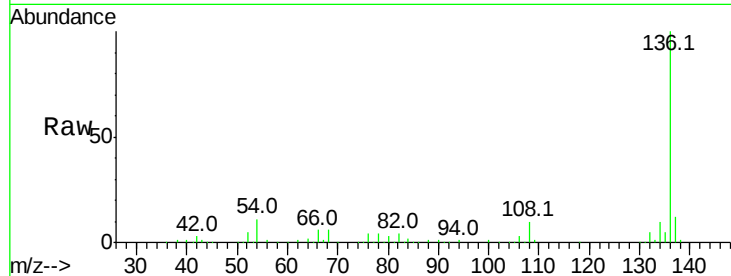




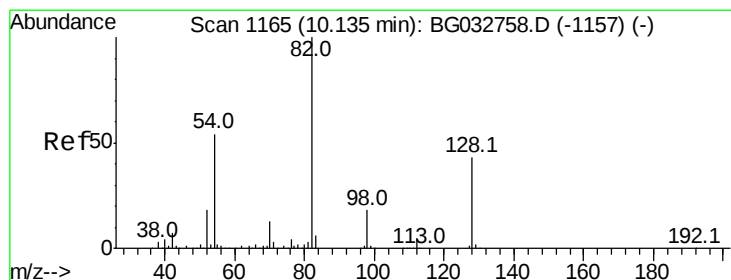
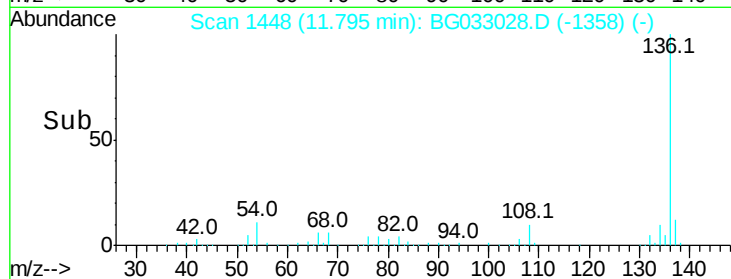
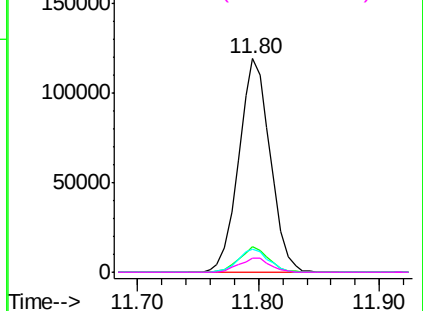
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033028.D
Acq: 6 Mar 2018 19:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	214586
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	10.7	10.3	15.5
68	6.3	4.5	6.7

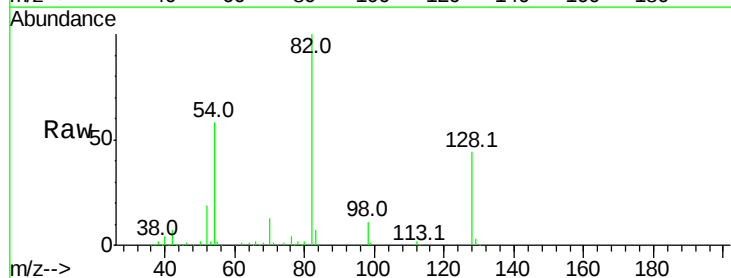


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

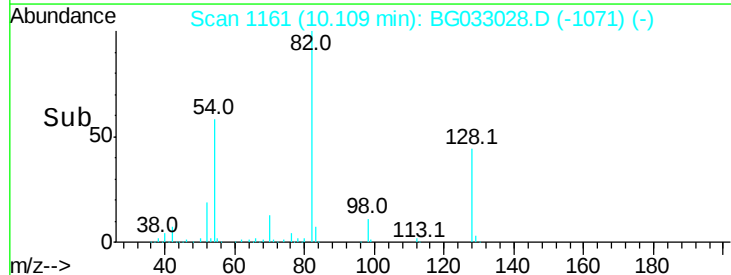
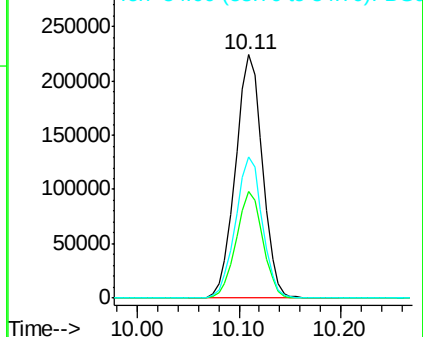


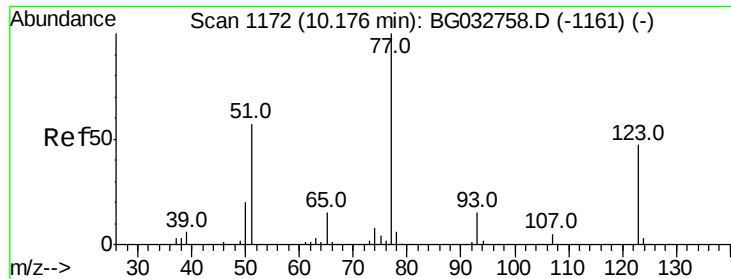
#23
Nitrobenzene-d5
Concen: 128.085 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033028.D
Acq: 6 Mar 2018 19:16

Tgt Ion:	82	Resp:	413656
Ion	Ratio	Lower	Upper
82	100		
128	43.6	29.7	44.5
54	57.9	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG





#24

Nitrobenzene

Concen: 6.702 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.04 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

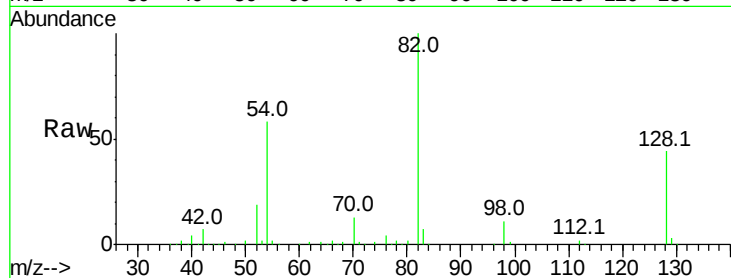
Tot Ion: 77 Resp: 1270

Ion Ratio Lower Upper

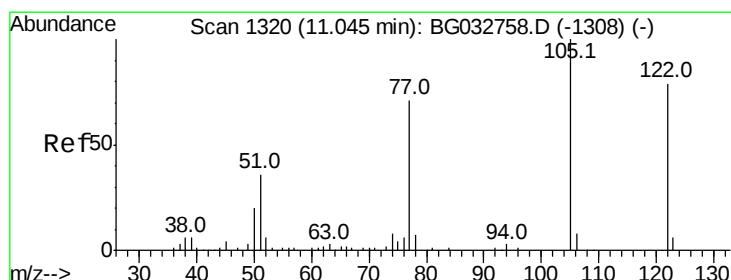
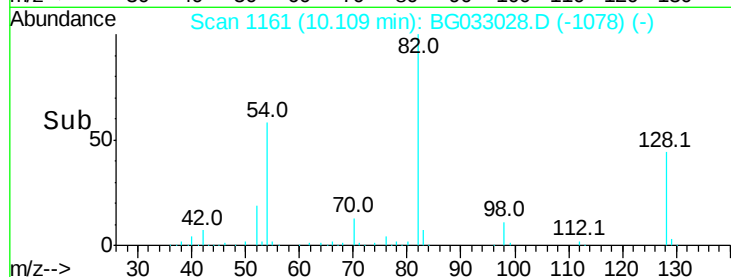
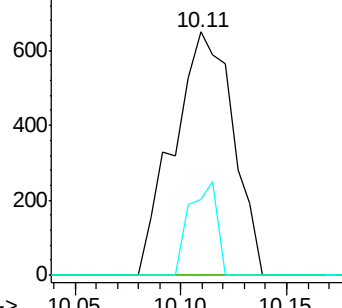
77 100

123 0.0 33.0 49.6#

65 31.2 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#32

Benzoic acid

Concen: 5.848 ng

RT: 10.98 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

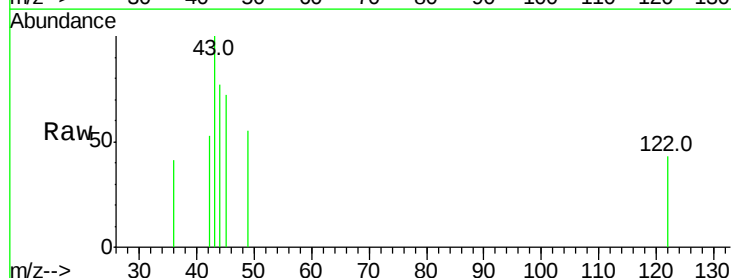
Tgt Ion: 122 Resp: 55

Ion Ratio Lower Upper

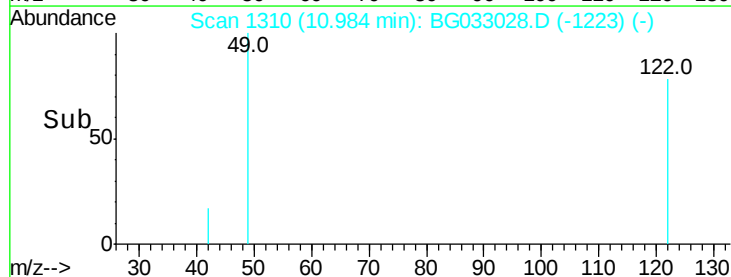
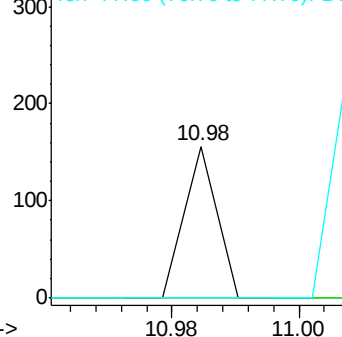
122 100

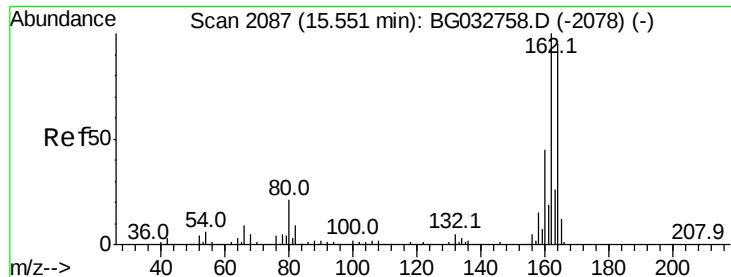
105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

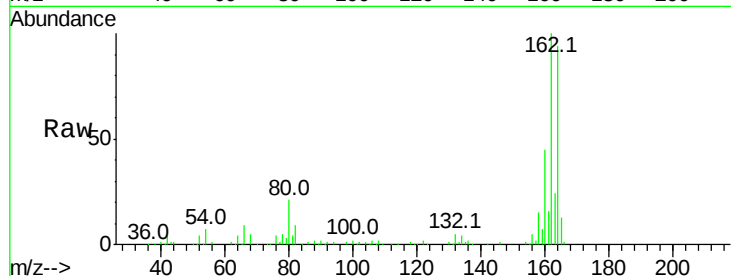
Tot Ion:164 Resp: 122755

Ion Ratio Lower Upper

164 100

162 106.5 78.8 118.2

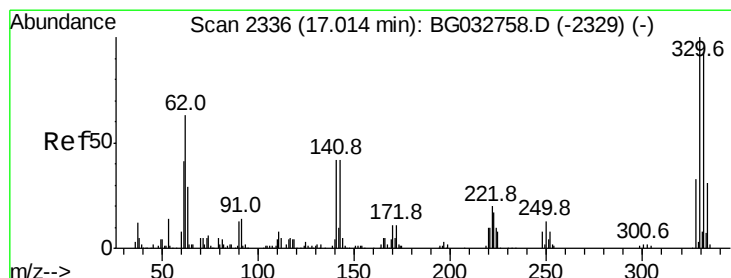
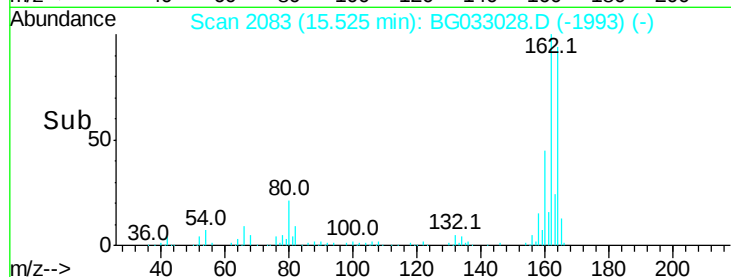
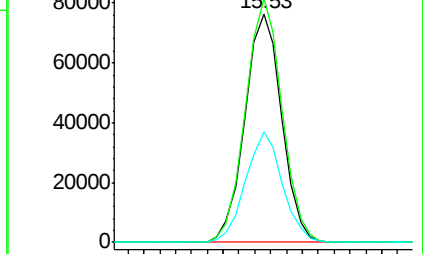
160 48.1 35.4 53.0



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: 182.962 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

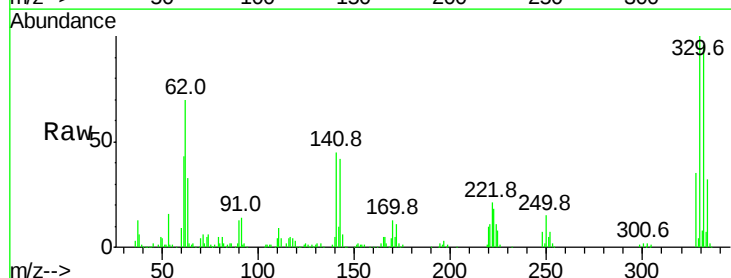
Tgt Ion:330 Resp: 236154

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

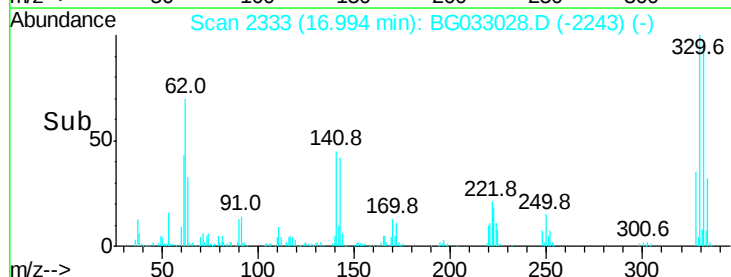
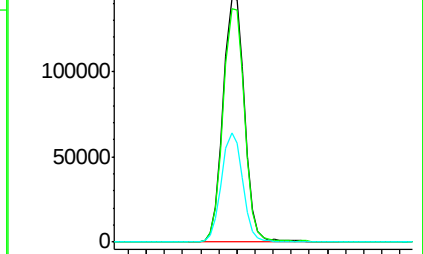
141 43.9 25.2 37.8#

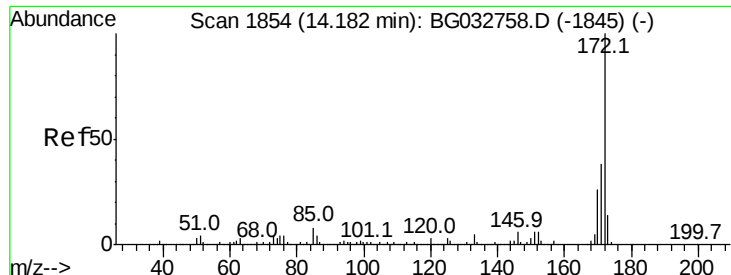


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

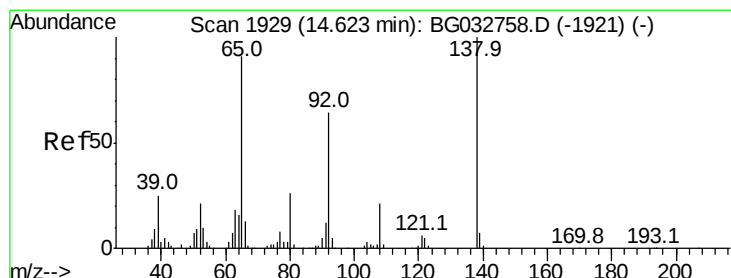
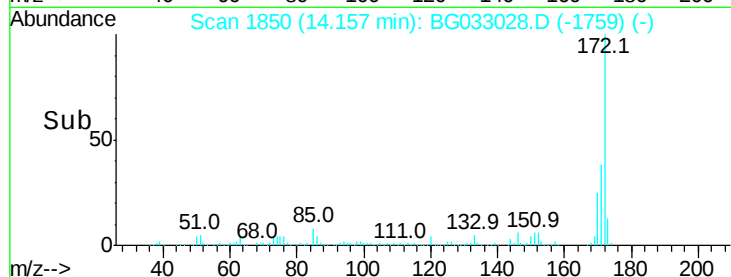
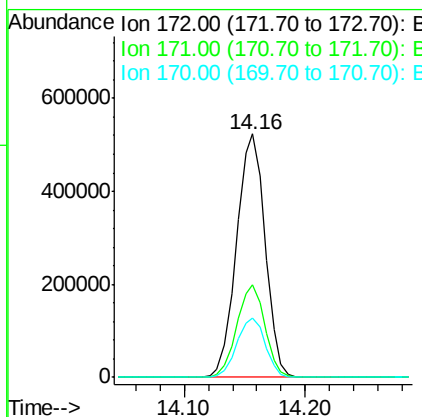
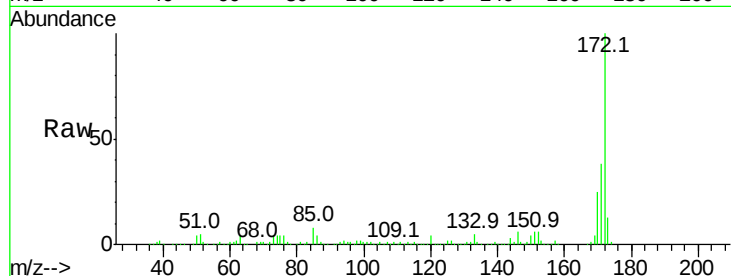




#44
2-Fluorobiphenyl
Concen: 101.083 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033028.D
Acq: 6 Mar 2018 19:16

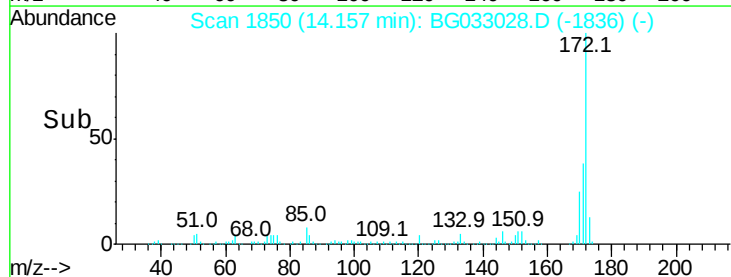
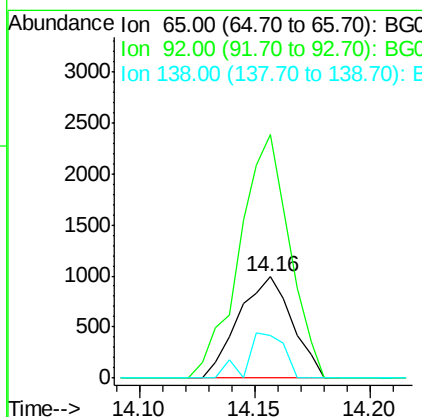
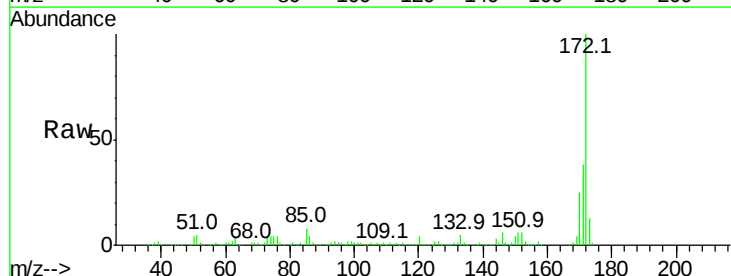
Instrument :
BNA_G
ClientSampleId :

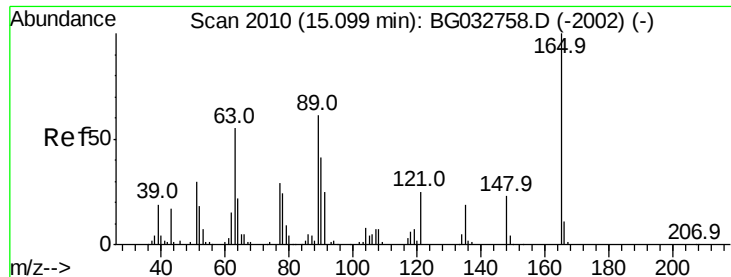
Tot Ion:172 Resp: 860354
Ion Ratio Lower Upper
172 100
171 37.9 30.0 45.0
170 24.6 19.5 29.3



#47
2-Nitroaniline
Concen: 10.466 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033028.D
Acq: 6 Mar 2018 19:16

Tgt Ion: 65 Resp: 1602
Ion Ratio Lower Upper
65 100
92 240.3 54.6 82.0#
138 41.8 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.411 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

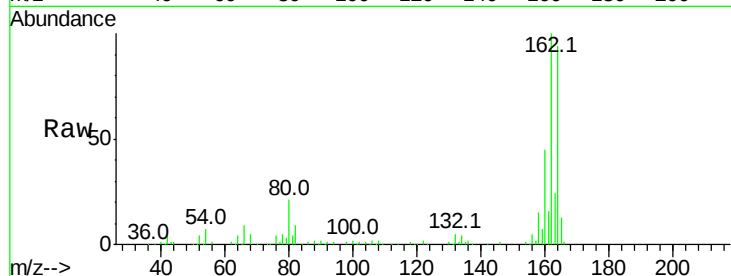
Tot Ion:165 Resp: 15911

Ion Ratio Lower Upper

165 100

63 1.8 52.7 79.1#

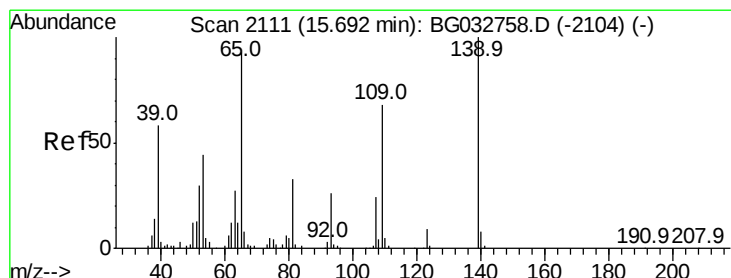
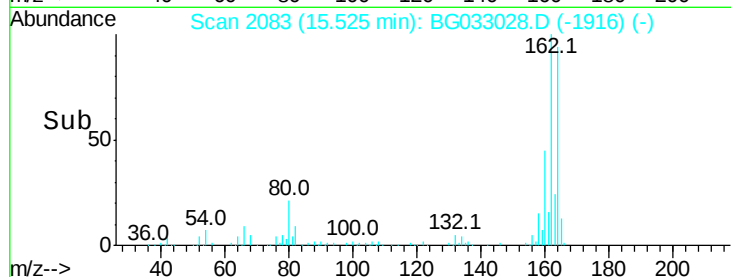
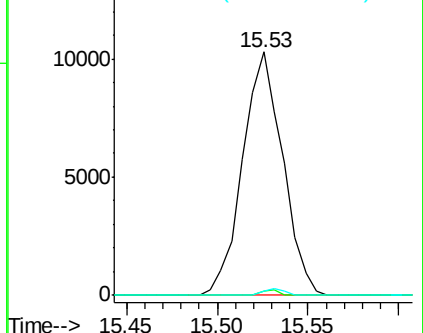
89 1.5 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.445 ng

RT: 15.92 min Scan# 2151

Delta R.T. 0.25 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

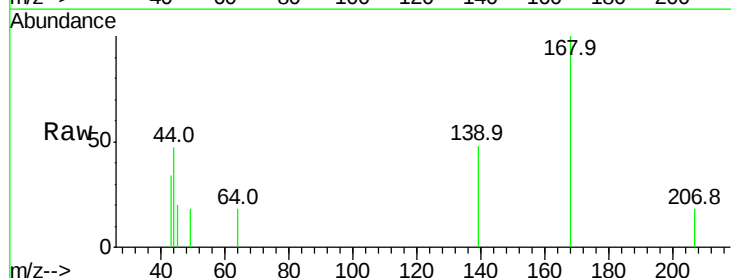
Tgt Ion:139 Resp: 682

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

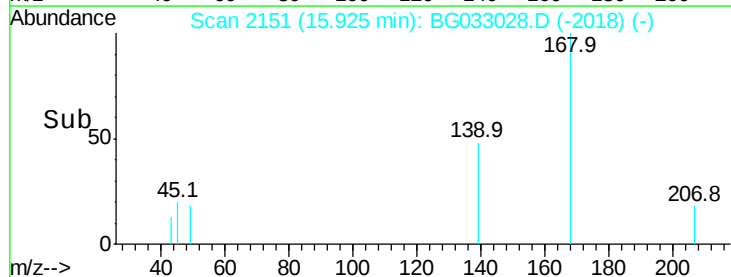
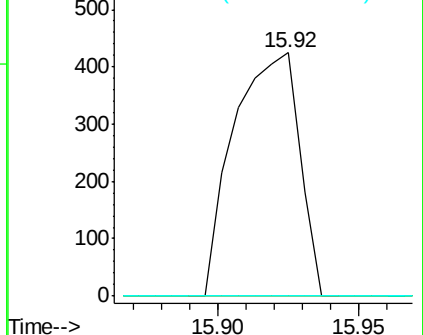
65 0.0 97.2 137.2#

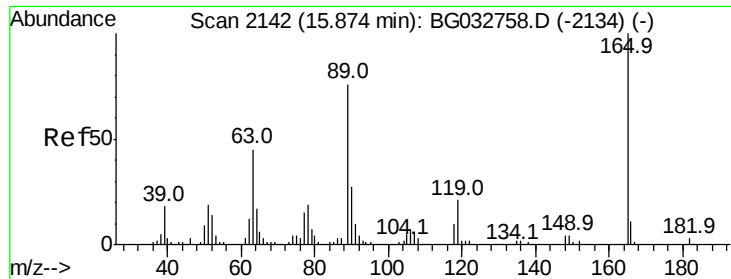


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

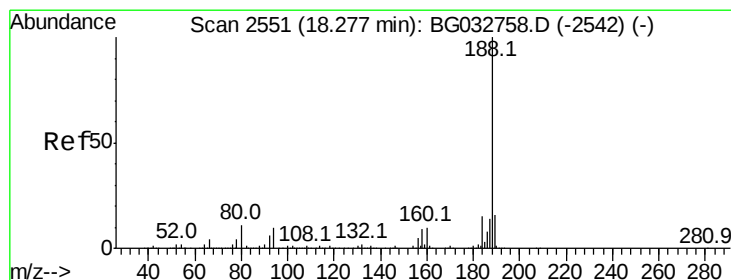
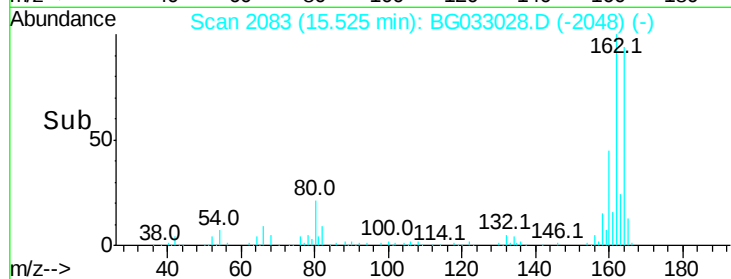
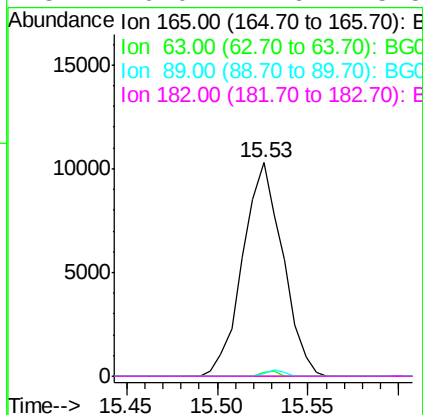
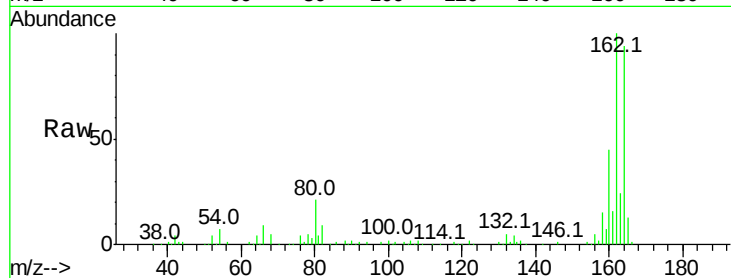




#56
 2,4-Dinitrotoluene
 Concen: 14.609 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG033028.D
 Acq: 6 Mar 2018 19:16

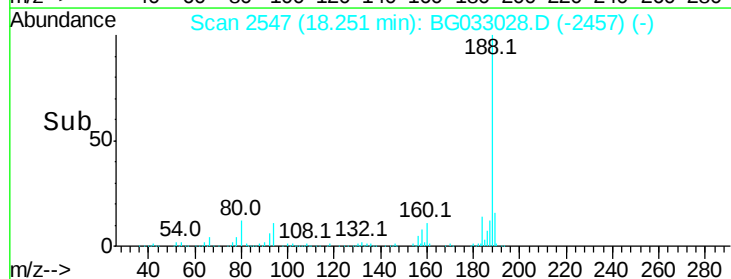
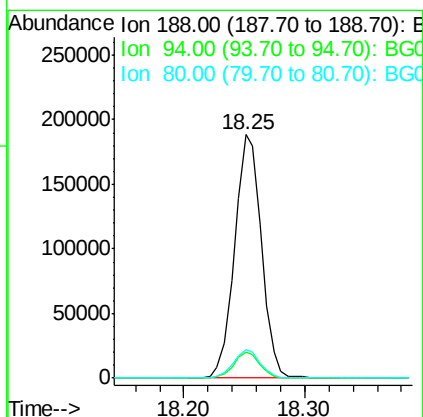
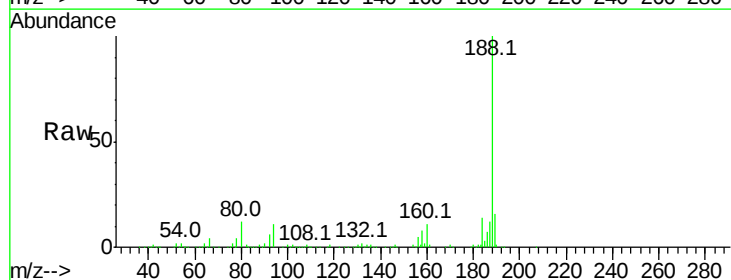
Instrument :
 BNA_G
 ClientSampleId :

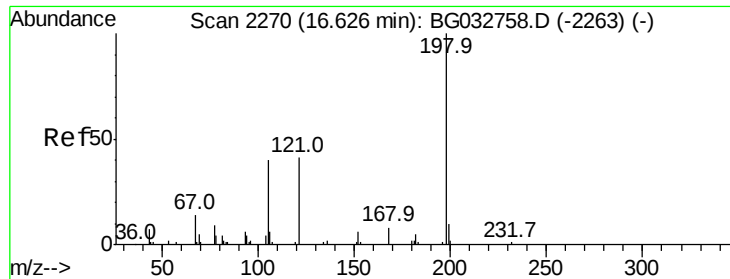
Tot Ion:	165	Resp:	15911
Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.0	63.0#
89	1.5	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033028.D
 Acq: 6 Mar 2018 19:16

Tgt Ion:	188	Resp:	291121
Ion	Ratio	Lower	Upper
188	100		
94	10.9	6.9	10.3#
80	11.7	7.7	11.5#

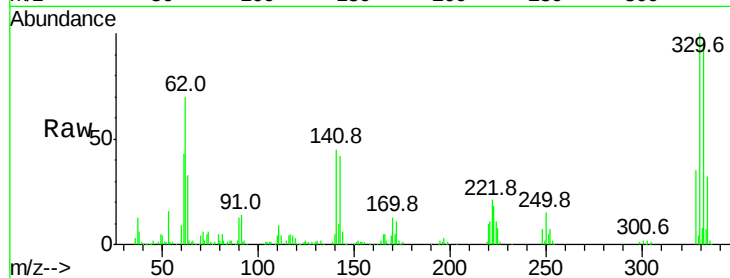




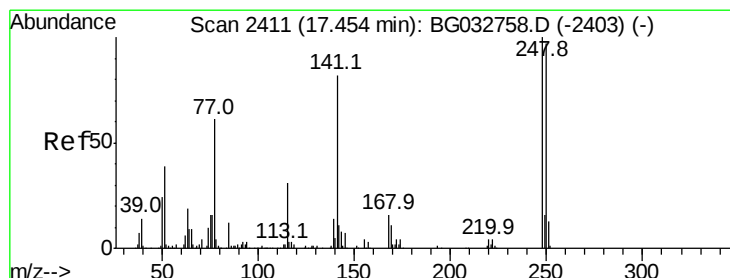
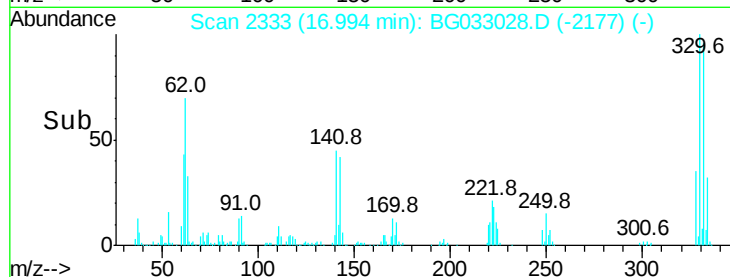
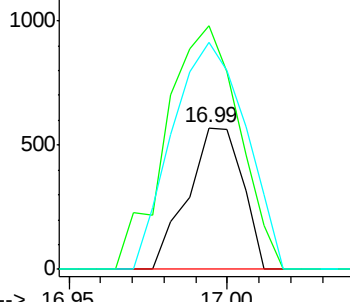
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.940 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.39 min
 Lab File: BG033028.D
 Acq: 6 Mar 2018 19:16

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 680
 Ion Ratio Lower Upper
 198 100
 51 172.1 30.6 70.6#
 105 160.8 23.8 63.8#

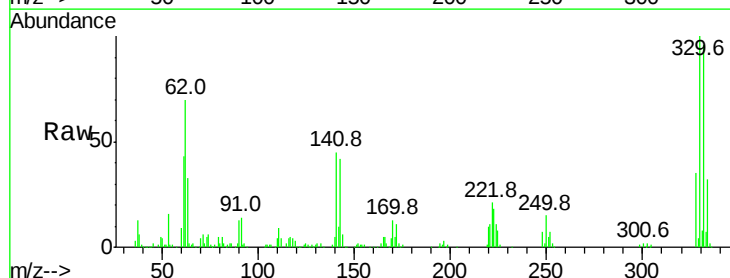


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

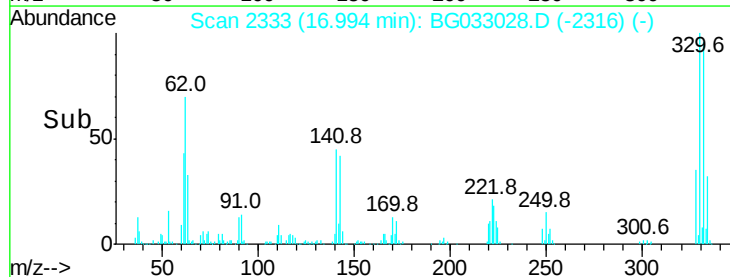
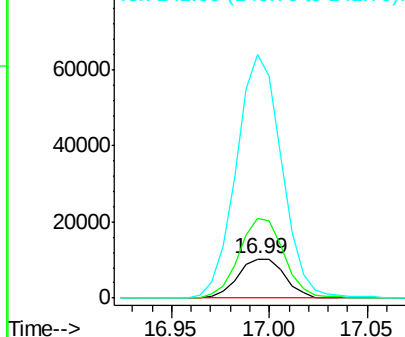


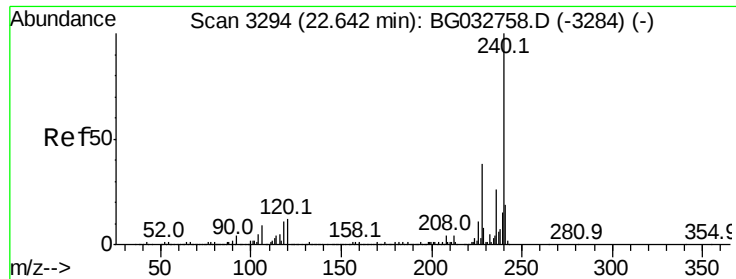
#66
 4-Bromophenyl-phenylether
 Concen: 5.503 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033028.D
 Acq: 6 Mar 2018 19:16

Tgt Ion:248 Resp: 16939
 Ion Ratio Lower Upper
 248 100
 250 203.3 77.1 115.7#
 141 619.1 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: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

Instrument :

BNA_G

ClientSampleId :

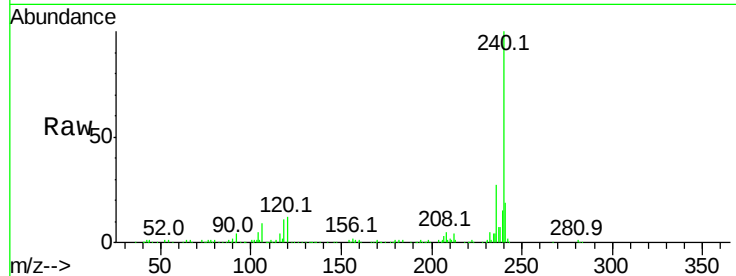
Tot Ion:240 Resp: 268868

Ion Ratio Lower Upper

240 100

120 11.5 6.8 10.2#

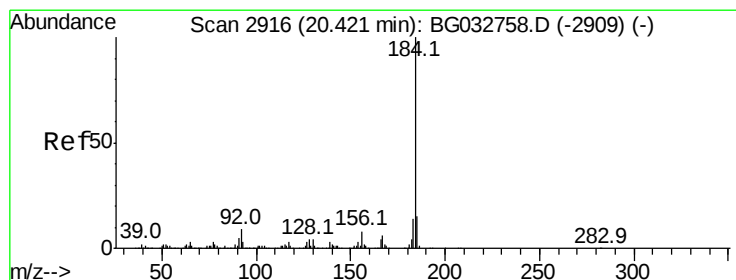
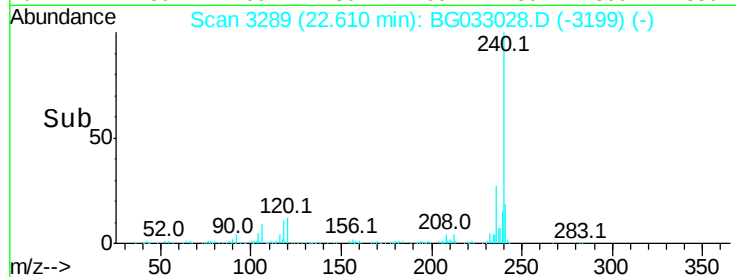
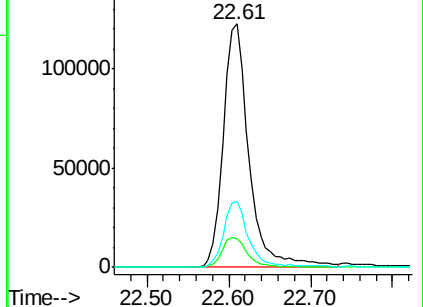
236 26.8 20.9 31.3



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: 2.674 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033028.D

Acq: 6 Mar 2018 19:16

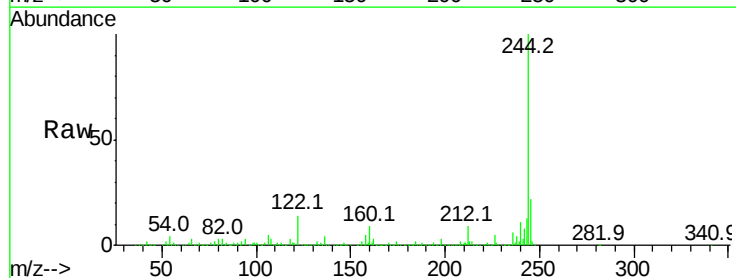
Tgt Ion:184 Resp: 24509

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

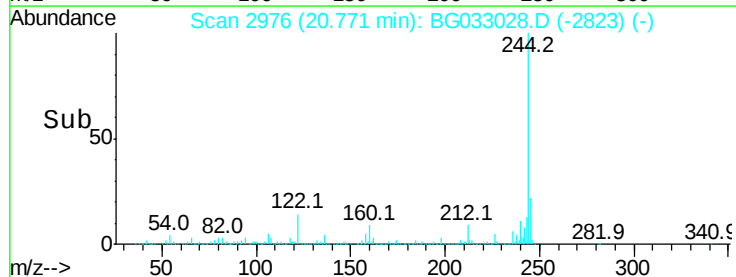
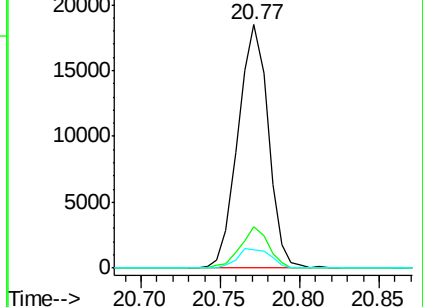
183 7.5 10.6 16.0#

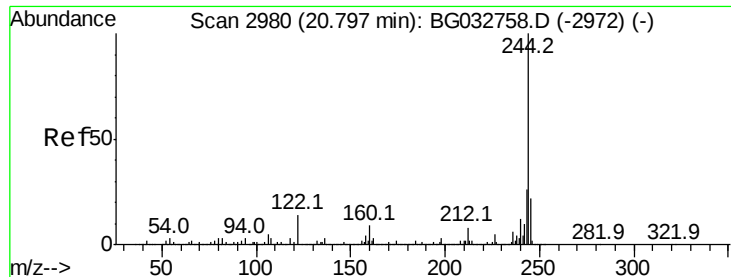


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

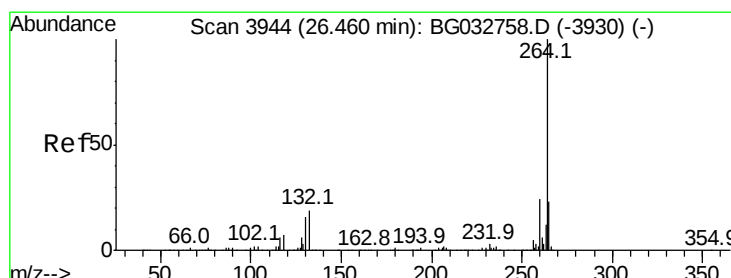
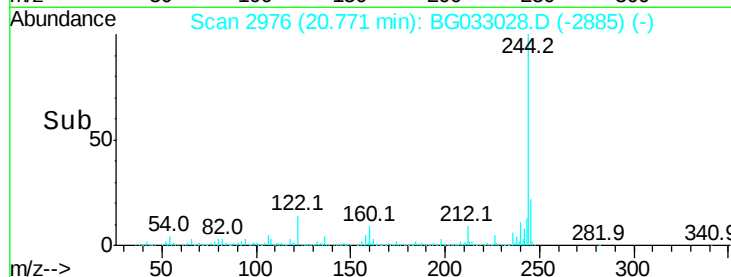
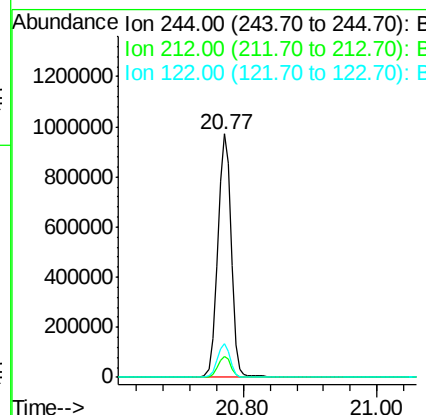
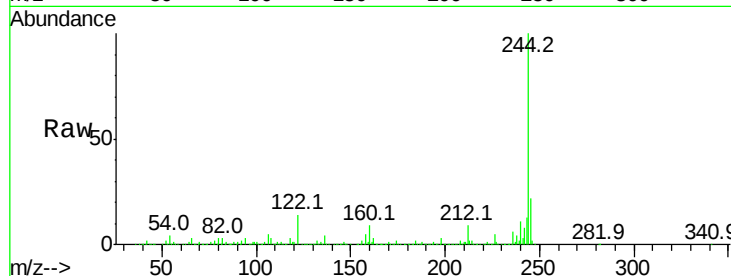




#78
 Terphenyl-d14
 Concen: 115.966 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BG033028.D
 Acq: 6 Mar 2018 19:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1387779
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.8 8.8
 122 14.0 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: BG033028.D
 Acq: 6 Mar 2018 19:16

Tgt Ion:264 Resp: 204167
 Ion Ratio Lower Upper
 264 100
 260 23.0 17.4 26.0
 265 21.0 17.7 26.5

