

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032977.D
 Acq On : 3 Mar 2018 11:44
 Operator : SJ/JU
 Sample : J1751-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 01:37:11 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

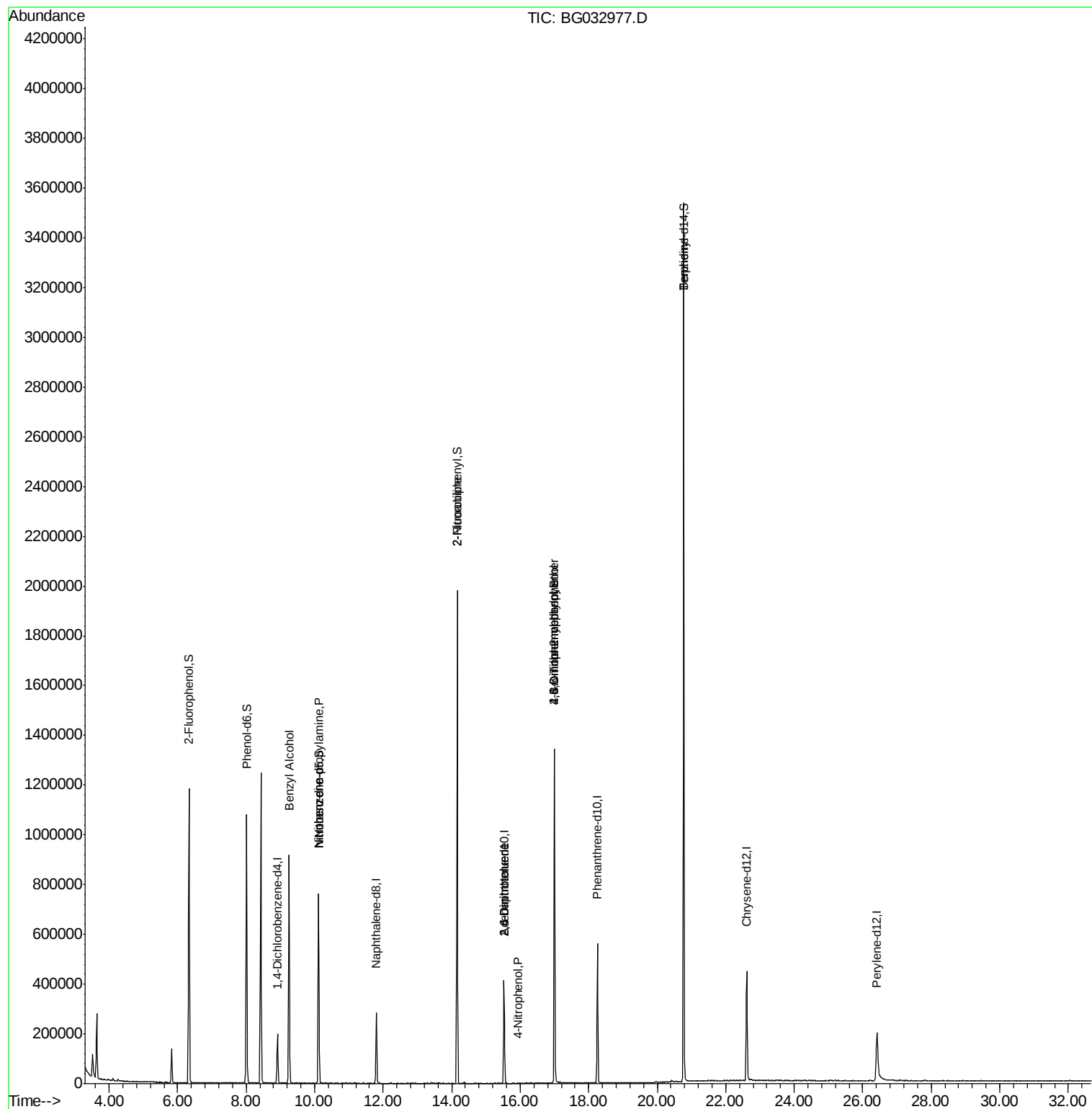
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	58346	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	251010	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	141640	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	337632	20.00	ng	0.00
75) Chrysene-d12	22.61	240	309337	20.00	ng	0.00
86) Perylene-d12	26.41	264	266157	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	542654	148.80	ng	0.00
7) Phenol-d6	8.01	99	661524	130.14	ng	0.00
23) Nitrobenzene-d5	10.11	82	472774	125.37	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	234170	157.24	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1014101	103.26	ng	0.00
78) Terphenyl-d14	20.77	244	1524478	110.72	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.25	79	7594	2.032	ng	# 40
19) n-Nitroso-di-n-propylamine	10.11	70	62029	17.284	ng	# 86
24) Nitrobenzene	10.11	77	1413	6.686	ng	# 31
47) 2-Nitroaniline	14.16	65	1905	10.485	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	18067	16.292	ng	# 21
55) 4-Nitrophenol	15.92	139	58	7.107	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	18067	14.489	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	373	5.419	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	17248	4.831	ng	# 1
76) Benzidine	20.77	184	27071	2.567	ng	# 89

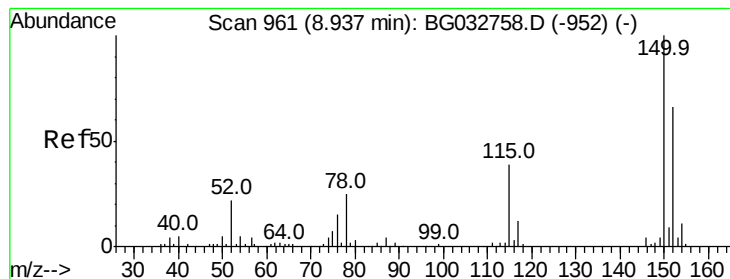
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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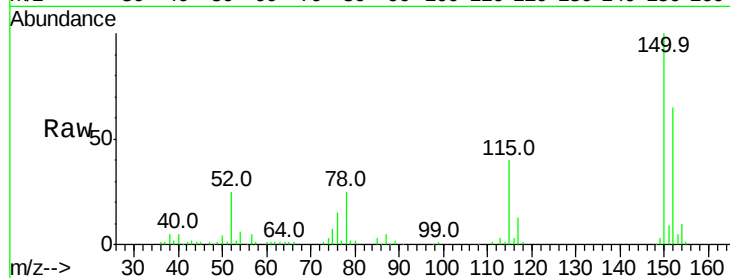


#1

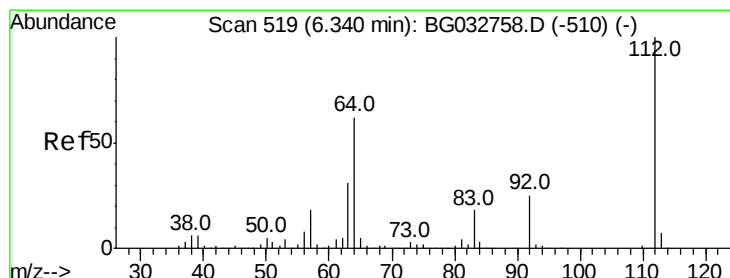
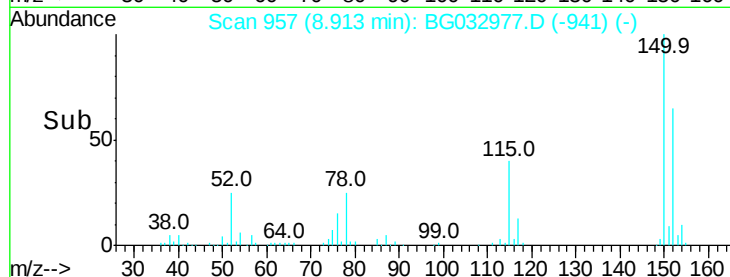
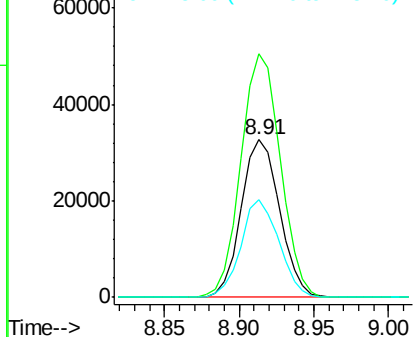
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032977.D
Acq: 3 Mar 2018 11:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58346
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 61.8 53.0 79.4



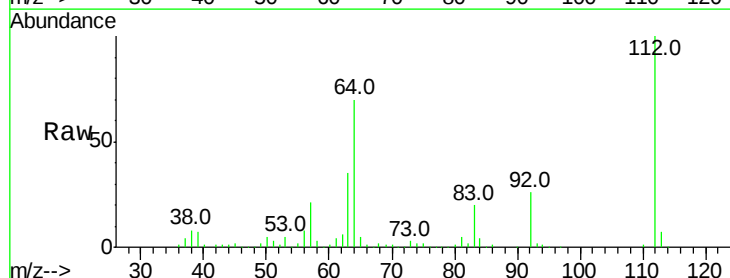
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



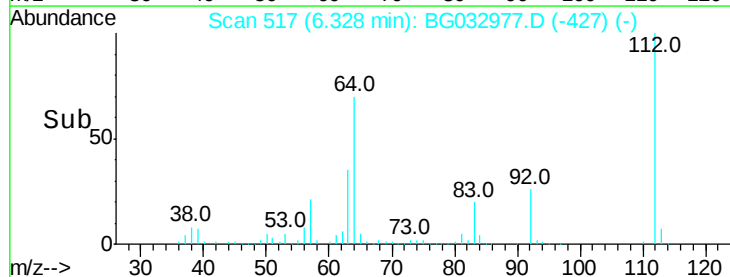
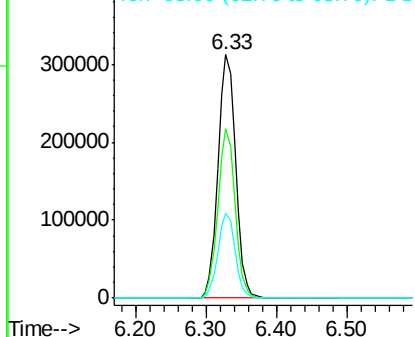
#5

2-Fluorophenol
Concen: 148.796 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG032977.D
Acq: 3 Mar 2018 11:44

Tgt Ion:112 Resp: 542654
Ion Ratio Lower Upper
112 100
64 69.6 56.3 84.5
63 35.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 130.135 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

Instrument :

BNA_G

ClientSampled :

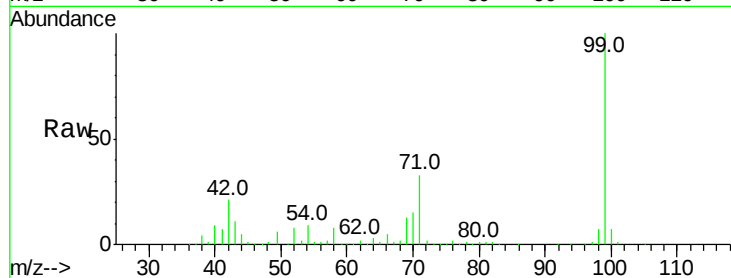
Tot Ion: 99 Resp: 661524

Ion Ratio Lower Upper

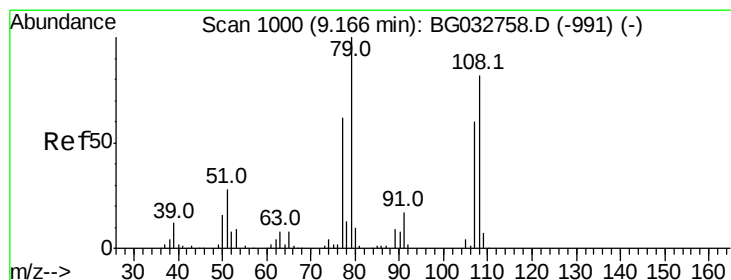
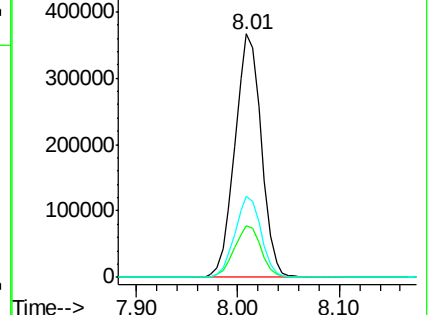
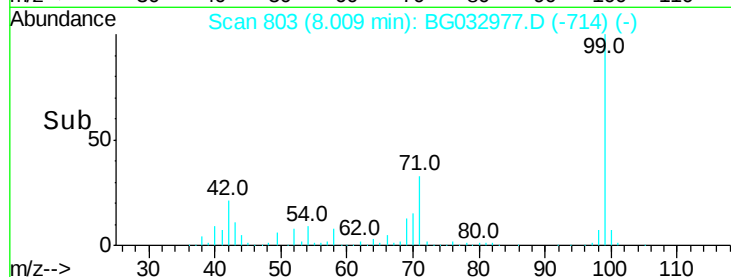
99 100

42 21.2 14.1 21.1#

71 33.2 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: 2.032 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.10 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

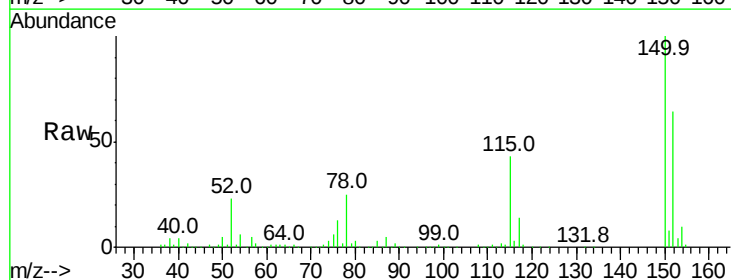
Tgt Ion: 79 Resp: 7594

Ion Ratio Lower Upper

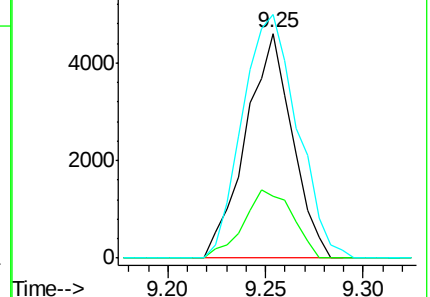
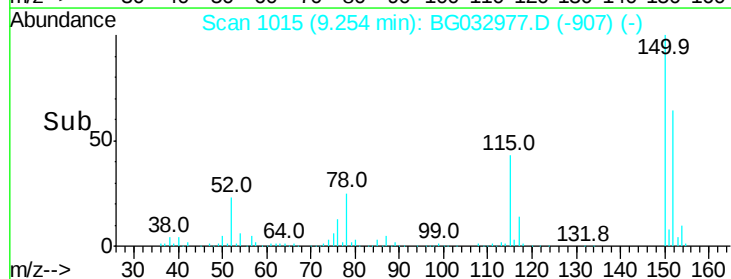
79 100

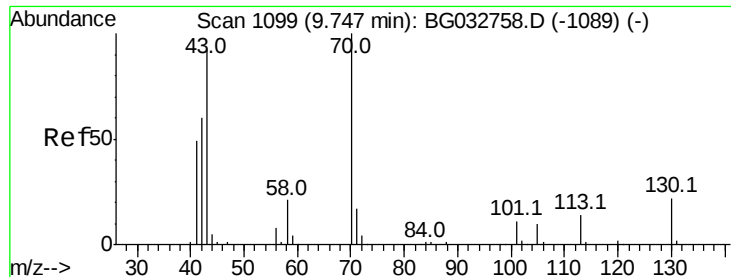
108 27.3 57.2 85.8#

77 108.3 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

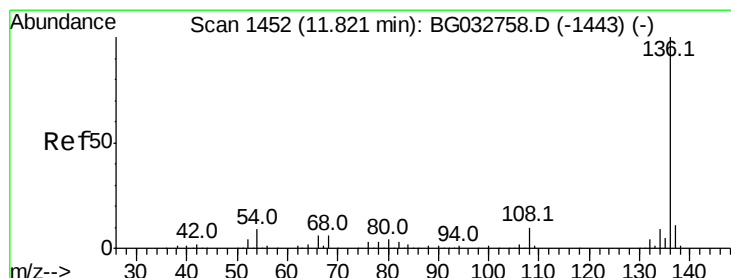
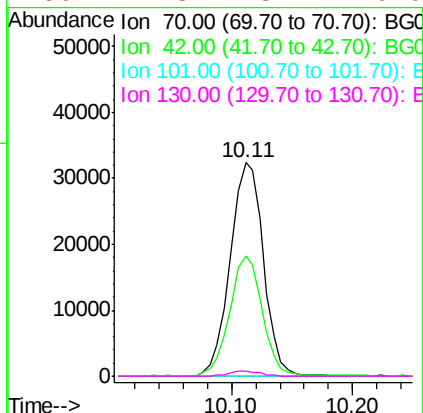
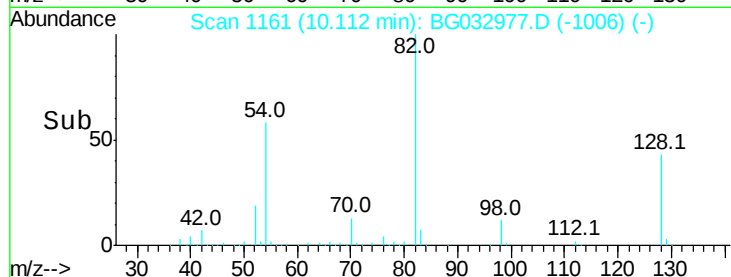
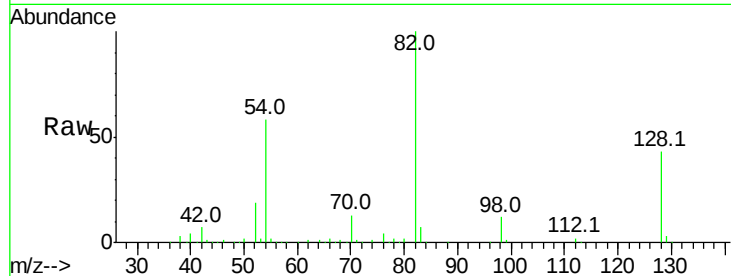




#19
n-Nitroso-di-n-propylamine
Concen: 17.284 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.38 min
Lab File: BG032977.D
Acq: 3 Mar 2018 11:44

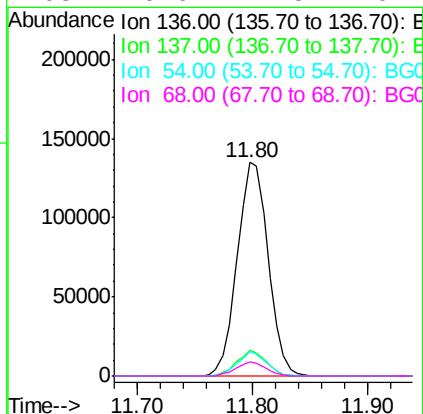
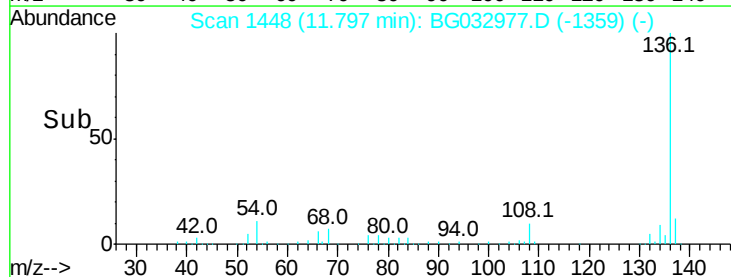
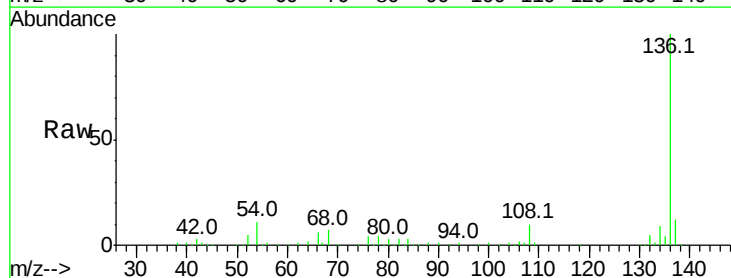
Instrument :
BNA_G
ClientSampleId :

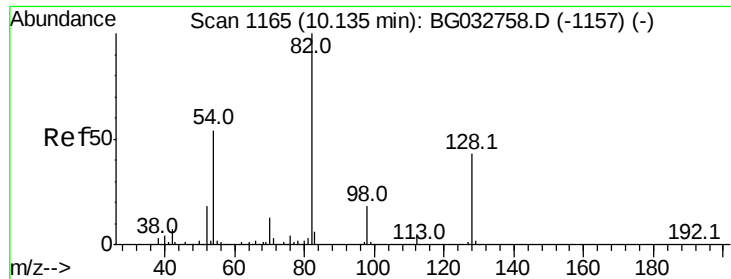
Tot Ion: 70 Resp: 62029
Ion Ratio Lower Upper
70 100
42 56.1 49.1 73.7
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG032977.D
Acq: 3 Mar 2018 11:44

Tgt Ion: 136 Resp: 251010
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 11.2 10.3 15.5
68 6.6 4.5 6.7

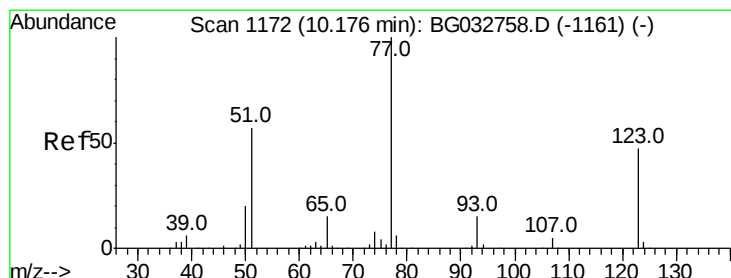
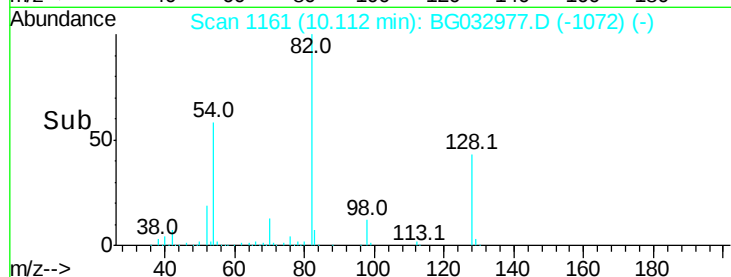
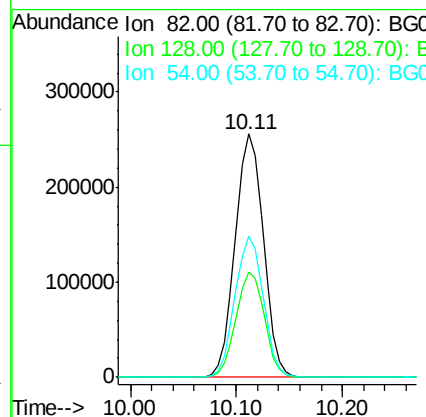
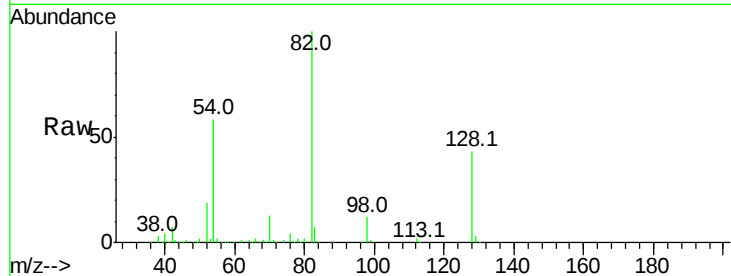




#23
 Nitrobenzene-d5
 Concen: 125.375 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG032977.D
 Acq: 3 Mar 2018 11:44

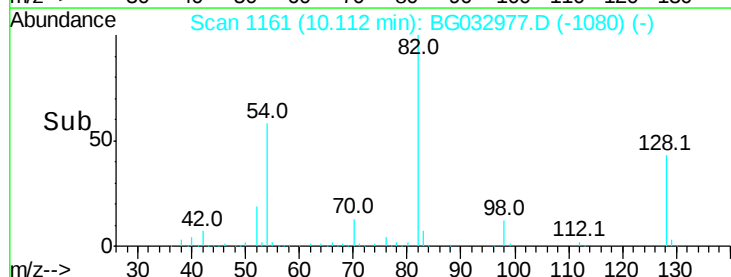
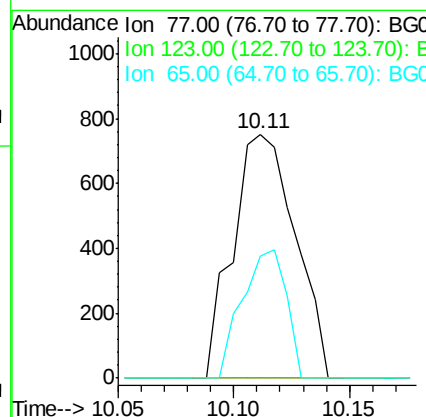
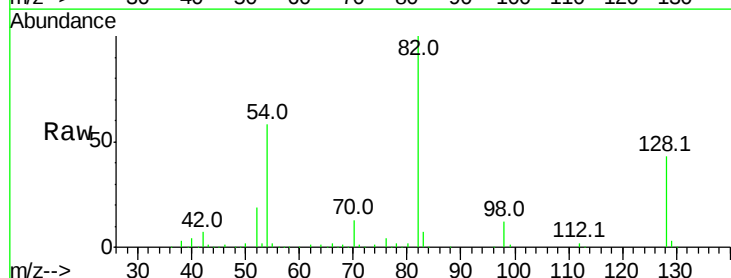
Instrument :
 BNA_G
 ClientSampleId :

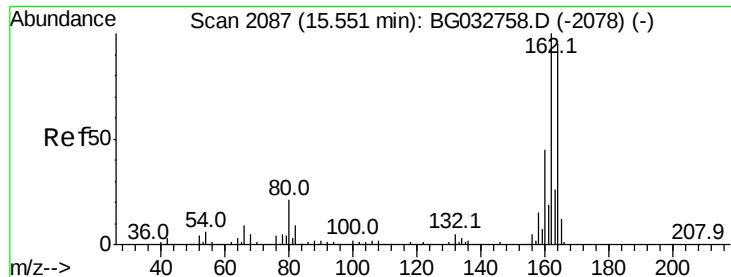
Tot Ion: 82 Resp: 472774
 Ion Ratio Lower Upper
 82 100
 128 43.3 29.7 44.5
 54 58.2 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.686 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG032977.D
 Acq: 3 Mar 2018 11:44

Tgt Ion: 77 Resp: 1413
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 49.9 13.0 19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

Instrument :

BNA_G

ClientSampleId :

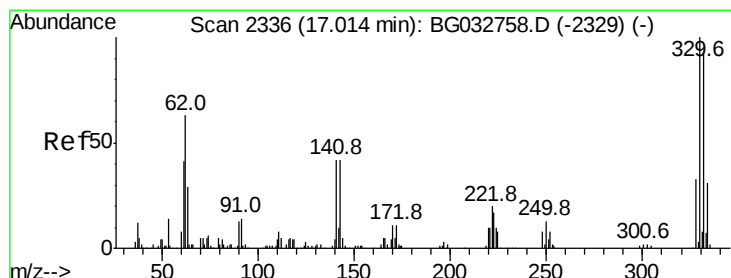
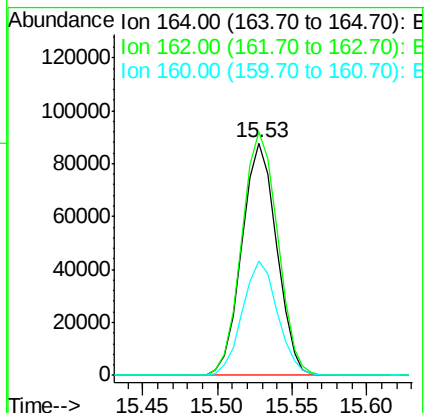
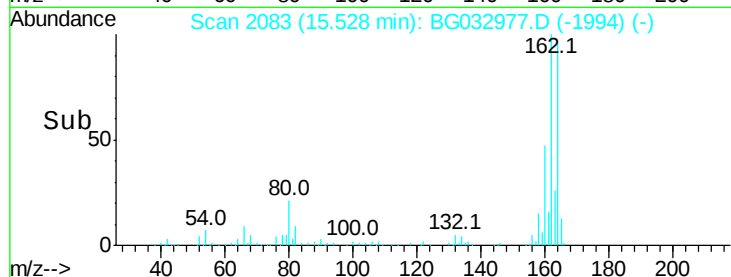
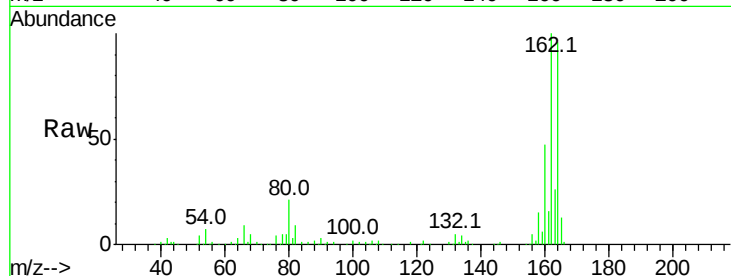
Tot Ion:164 Resp: 141640

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

160 49.2 35.4 53.0



#41

2,4,6-Tribromophenol

Concen: 157.235 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

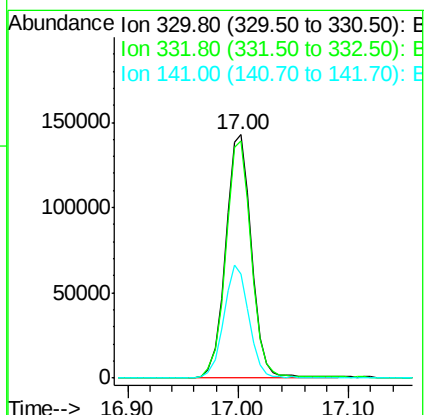
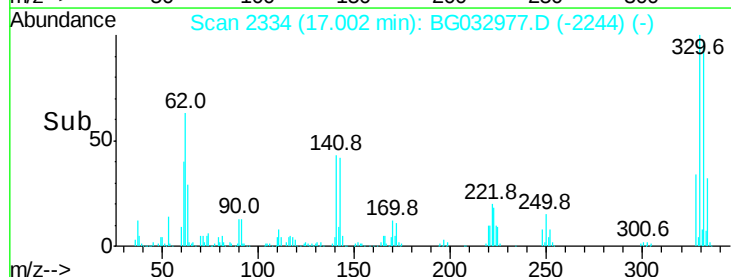
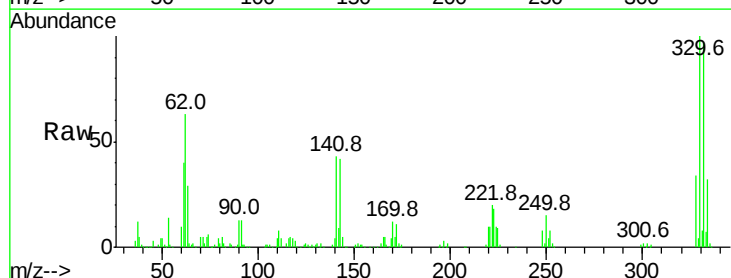
Tgt Ion:330 Resp: 234170

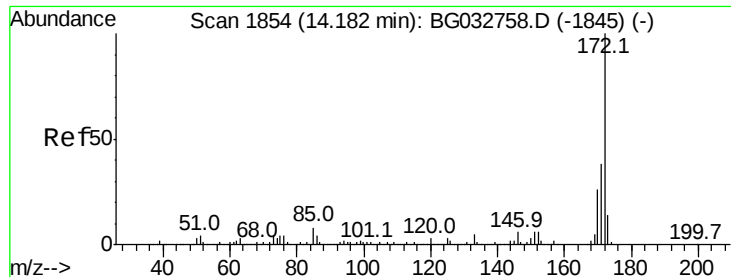
Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 45.1 25.2 37.8#

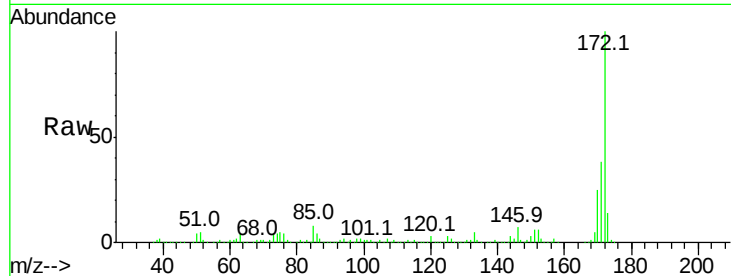




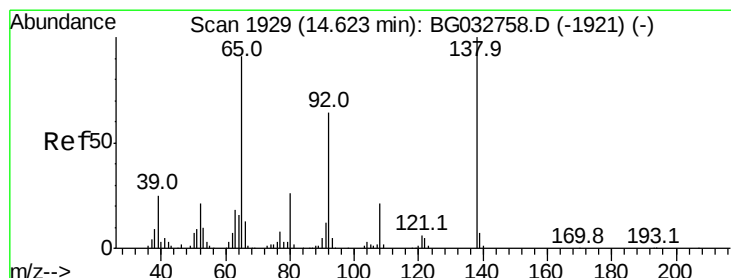
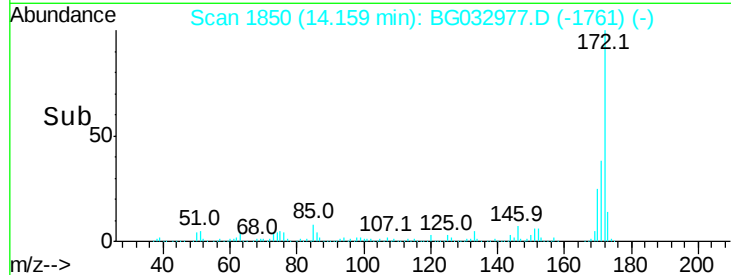
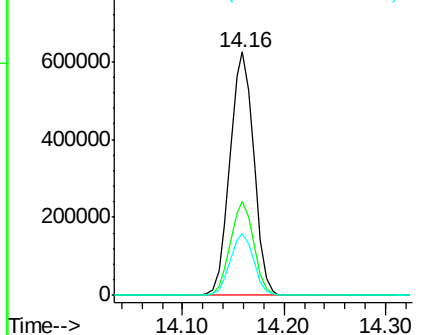
#44
2-Fluorobiphenyl
Concen: 103.261 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BG032977.D
Acq: 3 Mar 2018 11:44

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1014101
Ion Ratio Lower Upper
172 100
171 38.5 30.0 45.0
170 25.4 19.5 29.3

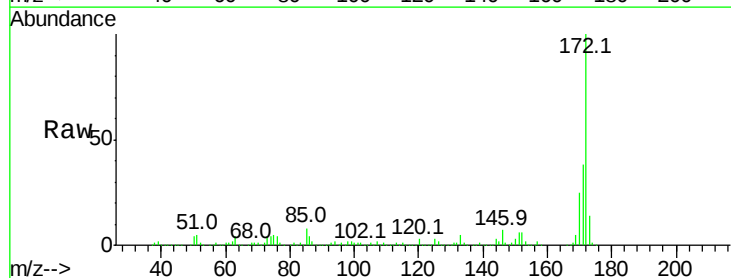


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

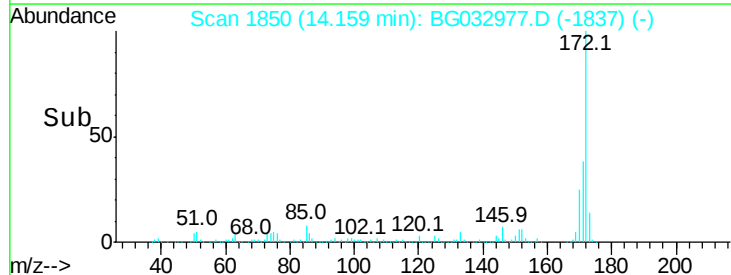
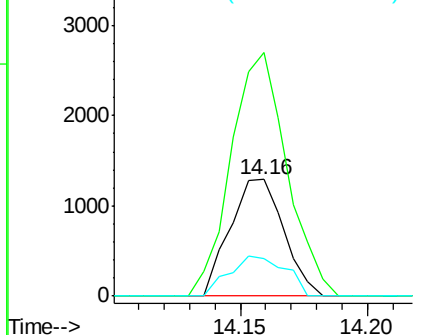


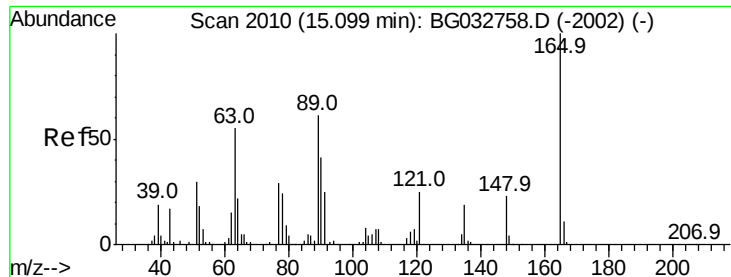
#47
2-Nitroaniline
Concen: 10.485 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG032977.D
Acq: 3 Mar 2018 11:44

Tgt Ion: 65 Resp: 1905
Ion Ratio Lower Upper
65 100
92 208.5 54.6 82.0#
138 31.6 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 16.292 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

Instrument :

BNA_G

ClientSampleId :

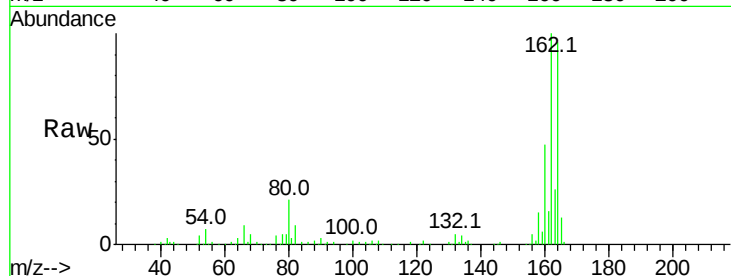
Tot Ion:165 Resp: 18067

Ion Ratio Lower Upper

165 100

63 2.3 52.7 79.1#

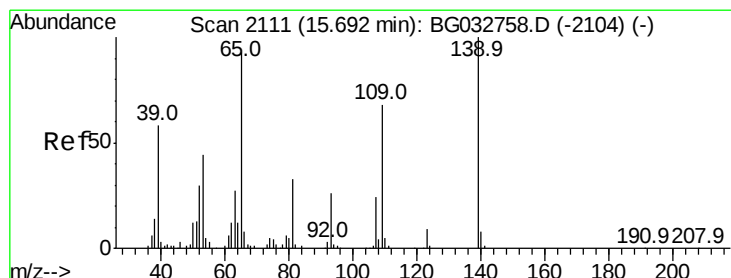
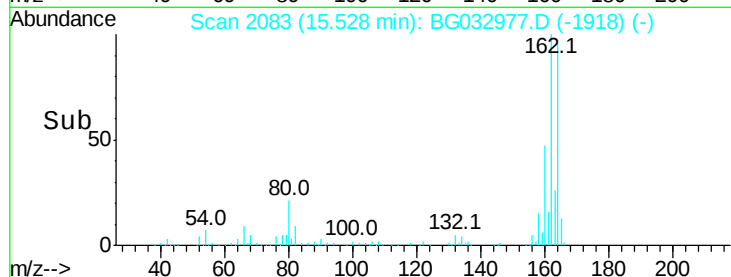
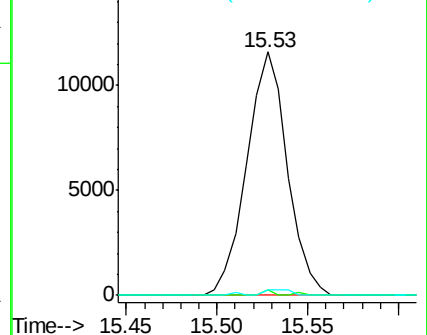
89 2.1 49.2 73.8#



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: 7.107 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

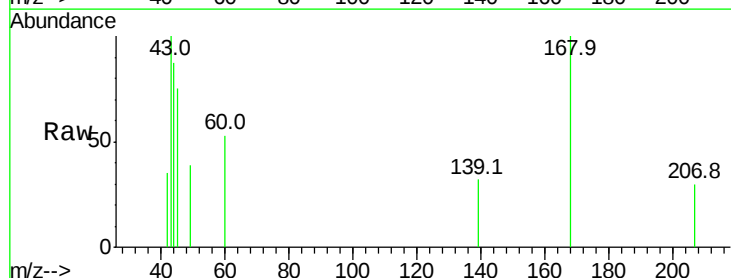
Tgt Ion:139 Resp: 58

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

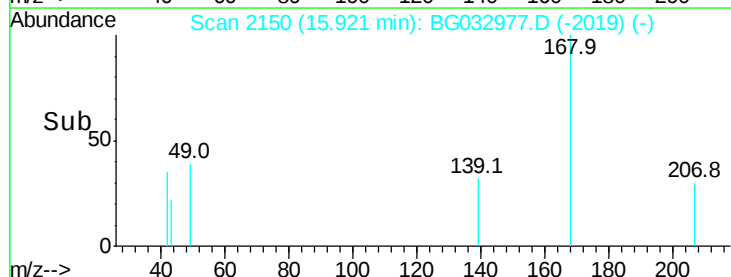
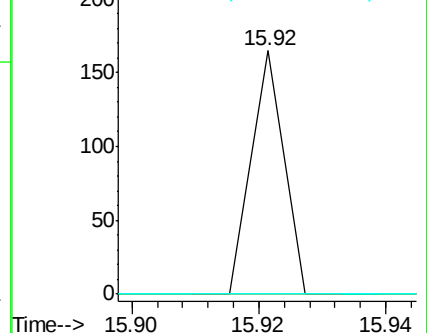
65 0.0 97.2 137.2#

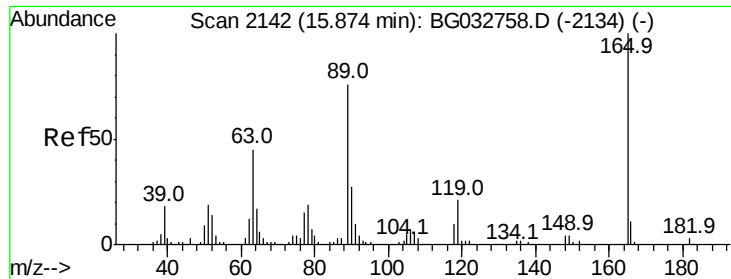


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

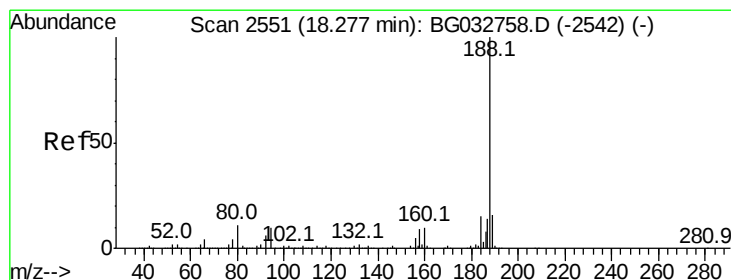
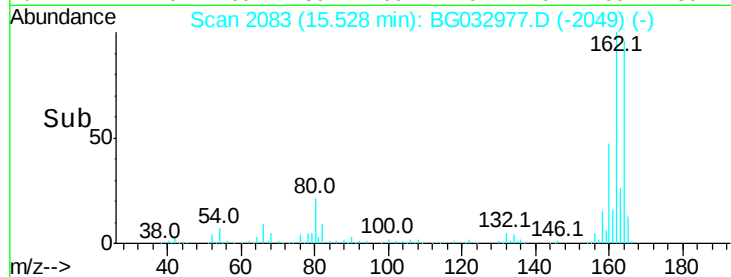
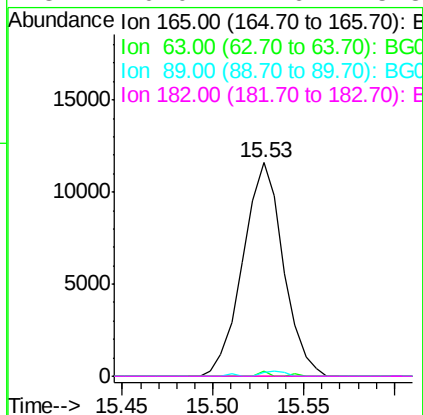
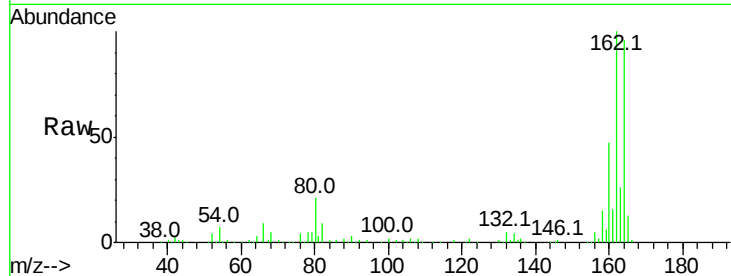




#56
 2,4-Dinitrotoluene
 Concen: 14.489 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG032977.D
 Acq: 3 Mar 2018 11:44

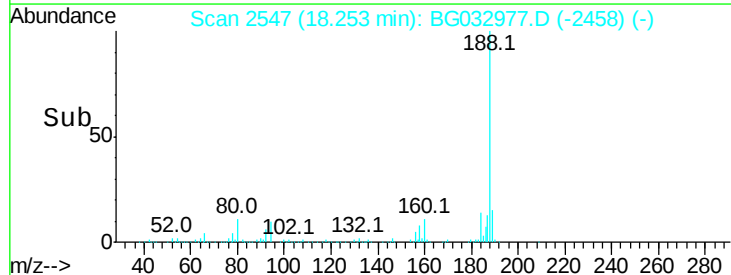
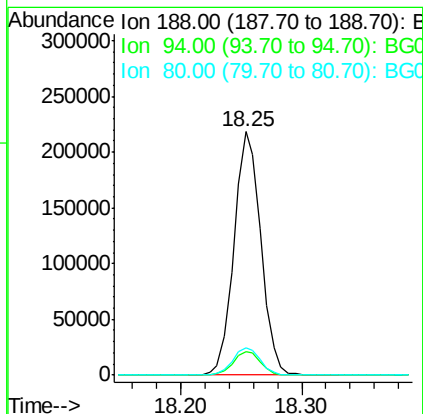
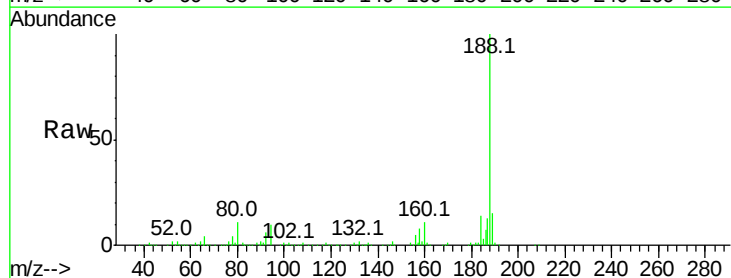
Instrument :
 BNA_G
 ClientSampleId :

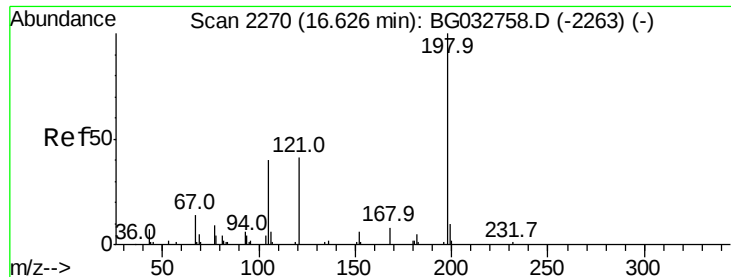
Tot Ion:	165	Resp:	18067
Ion	Ratio	Lower	Upper
165	100		
63	2.3	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG032977.D
 Acq: 3 Mar 2018 11:44

Tgt Ion:	188	Resp:	337632
Ion	Ratio	Lower	Upper
188	100		
94	9.9	6.9	10.3
80	11.2	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.419 ng

RT: 17.00 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

Instrument :

BNA_G

ClientSampled :

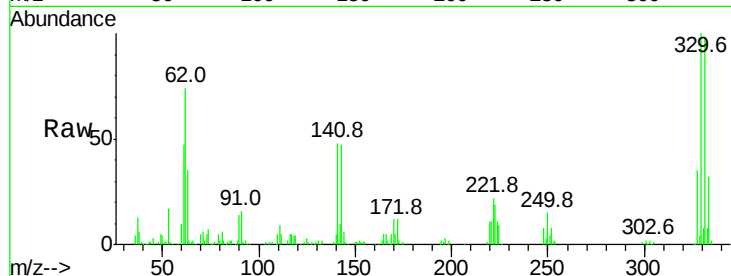
Tot Ion:198 Resp: 373

Ion Ratio Lower Upper

198 100

51 192.1 30.6 70.6#

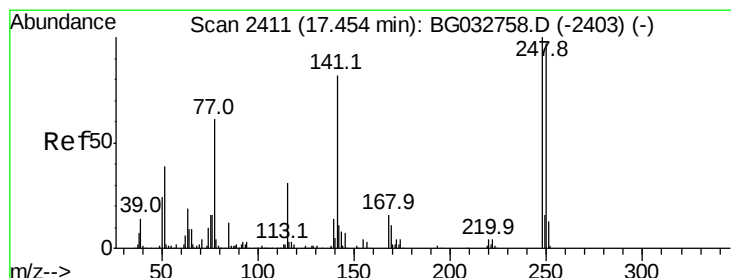
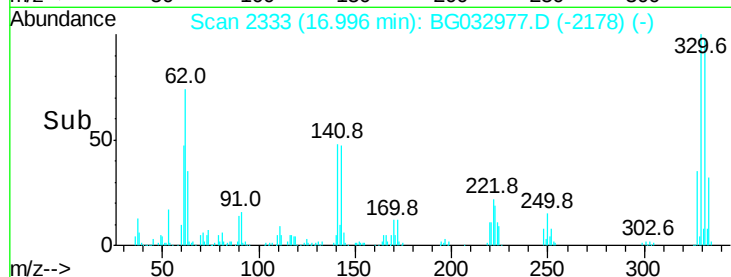
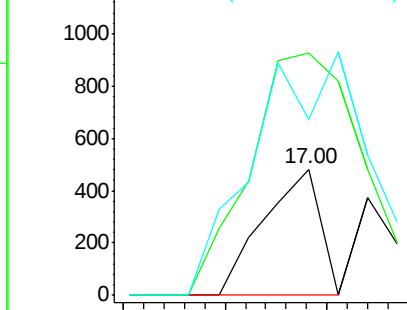
105 139.1 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.831 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

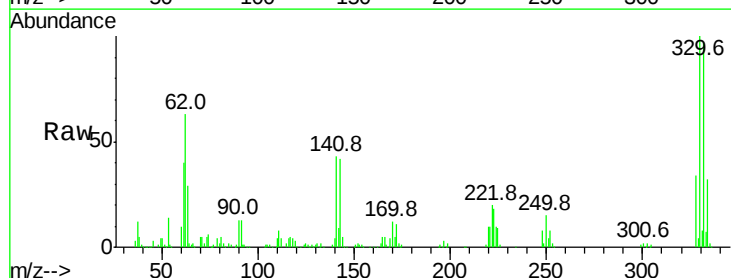
Tgt Ion:248 Resp: 17248

Ion Ratio Lower Upper

248 100

250 185.9 77.1 115.7#

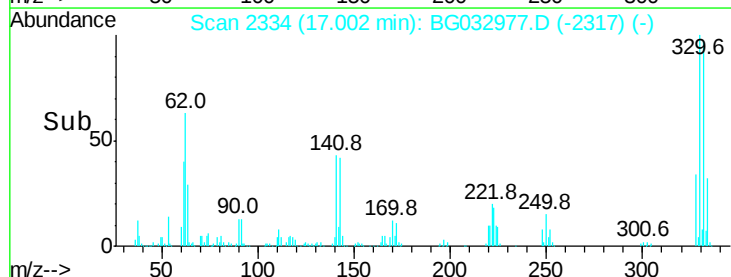
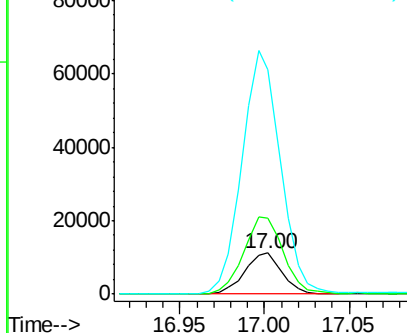
141 549.1 50.8 76.2#

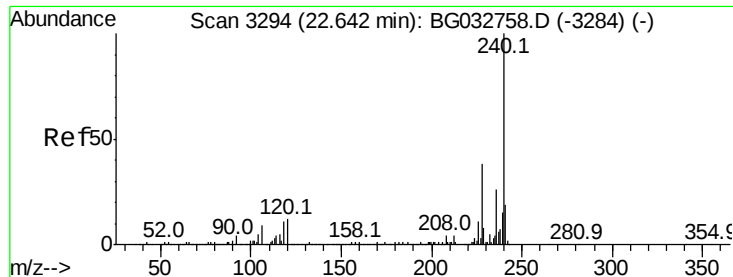


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

Instrument :

BNA_G

ClientSampleId :

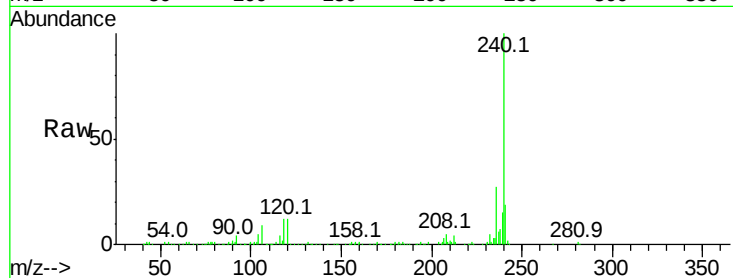
Tot Ion:240 Resp: 309337

Ion Ratio Lower Upper

240 100

120 12.1 6.8 10.2#

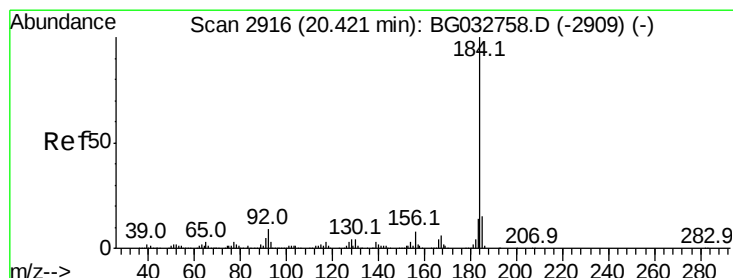
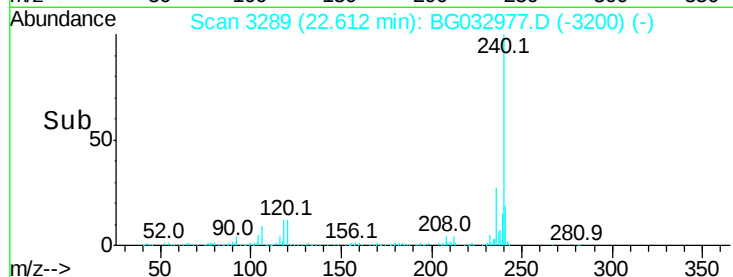
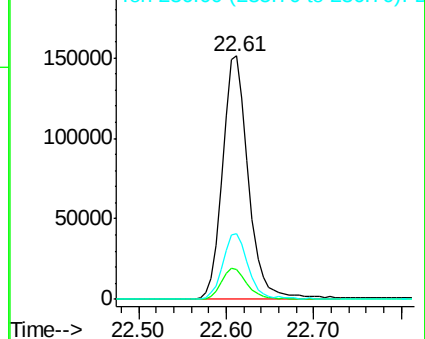
236 27.1 20.9 31.3



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: 2.567 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032977.D

Acq: 3 Mar 2018 11:44

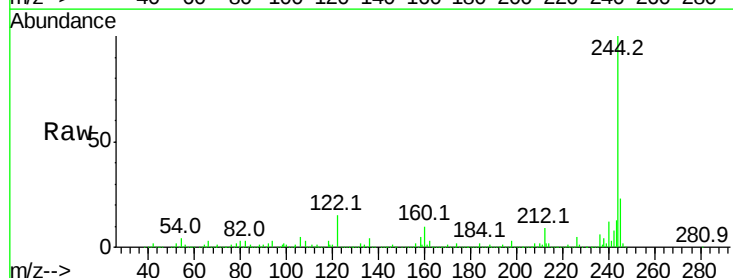
Tgt Ion:184 Resp: 27071

Ion Ratio Lower Upper

184 100

185 17.9 11.1 16.7#

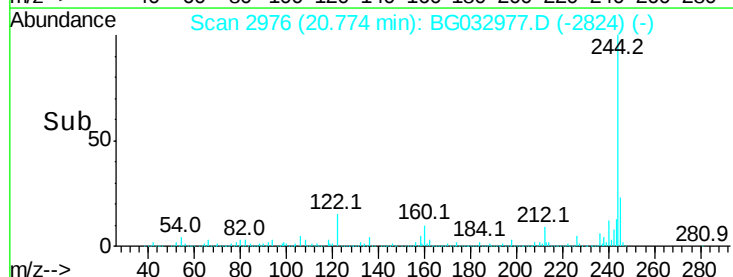
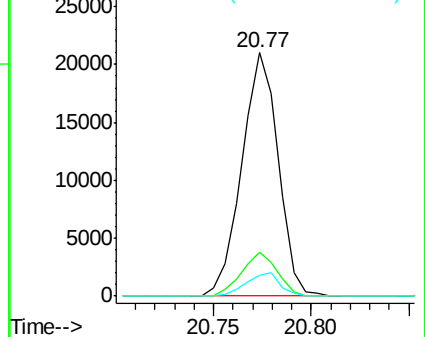
183 8.8 10.6 16.0#

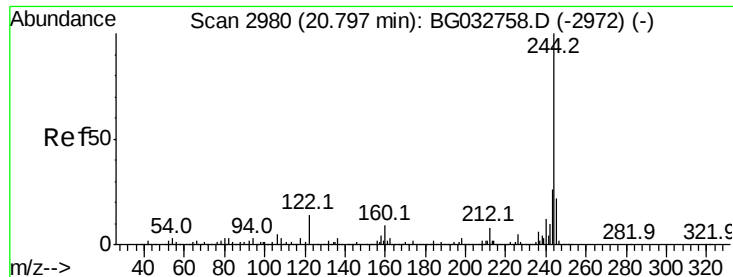


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

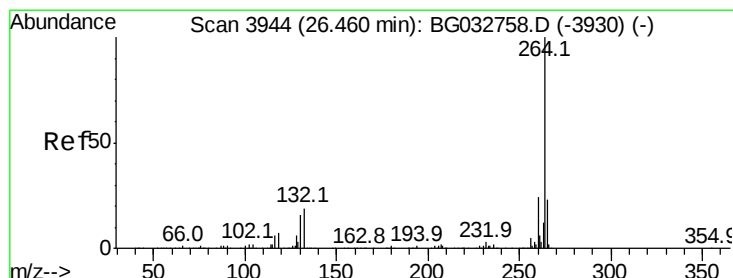
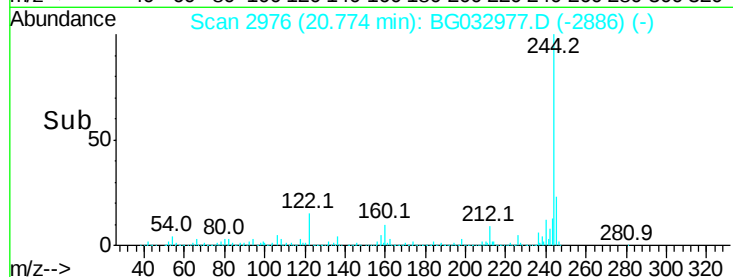
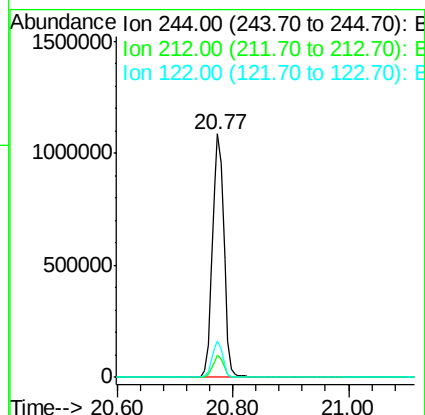
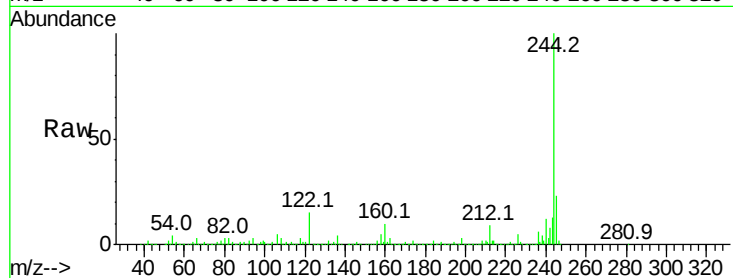




#78
 Terphenyl-d14
 Concen: 110.724 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. -0.00 min
 Lab File: BG032977.D
 Acq: 3 Mar 2018 11:44

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1524478
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 15.0 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3936
 Delta R.T. -0.01 min
 Lab File: BG032977.D
 Acq: 3 Mar 2018 11:44

Tgt Ion:264 Resp: 266157
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.4 26.0
 265 21.5 17.7 26.5

