

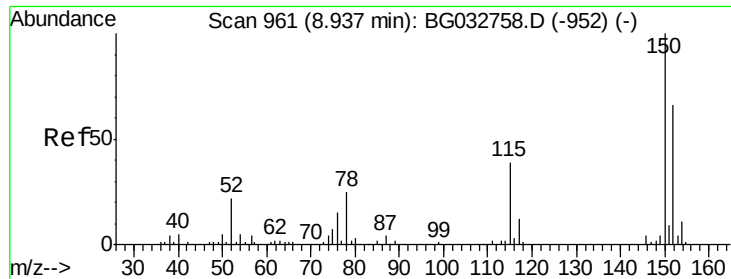
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032990.D
 Acq On : 5 Mar 2018 15:20
 Operator : SJ/JU
 Sample : J1699-68
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 16:06:36 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	64567	20.00	ng	-0.01
21) Naphthalene-d8	11.80	136	284160	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	160234	20.00	ng	-0.01
63) Phenanthrene-d10	18.25	188	359427	20.00	ng	-0.01
75) Chrysene-d12	22.61	240	338850	20.00	ng	-0.01
86) Perylene-d12	26.41	264	319013	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	510387	126.46	ng	0.00
7) Phenol-d6	8.01	99	618366	109.92	ng	0.00
23) Nitrobenzene-d5	10.11	82	458279	108.78	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	238713	141.69	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	952230	85.71	ng	-0.01
78) Terphenyl-d14	20.77	244	1425435	94.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	59594	15.006	ng	# 82
24) Nitrobenzene	10.11	77	1587	6.684	ng	# 47
47) 2-Nitroaniline	14.15	65	1772	10.370	ng	# 18
50) 2,6-Dinitrotoluene	15.53	165	21230	16.578	ng	# 22
55) 4-Nitrophenol	15.74	139	68	7.108	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	21230	14.777	ng	# 19
61) 4-Nitroaniline	16.94	138	54	5.316	ng	# 12
64) 4,6-Dinitro-2-methylphenol	17.00	198	628	5.691	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	17012	4.476	ng	# 1
76) Benzidine	20.77	184	25391	2.198	ng	# 90

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

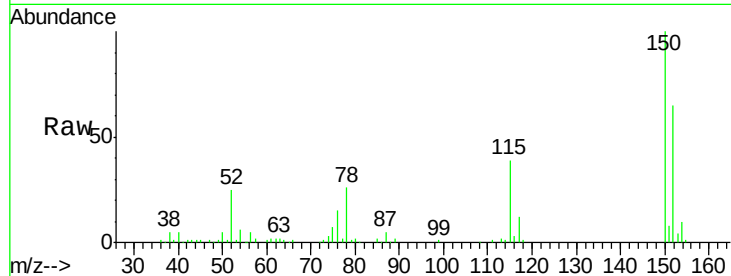


#1

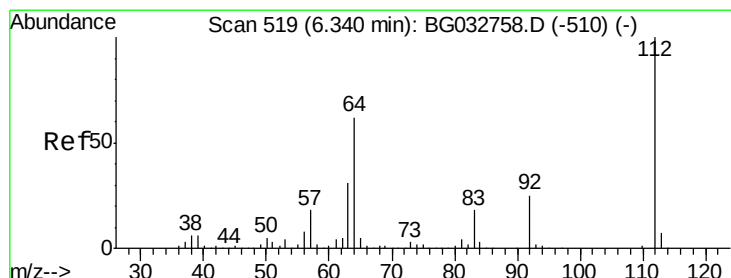
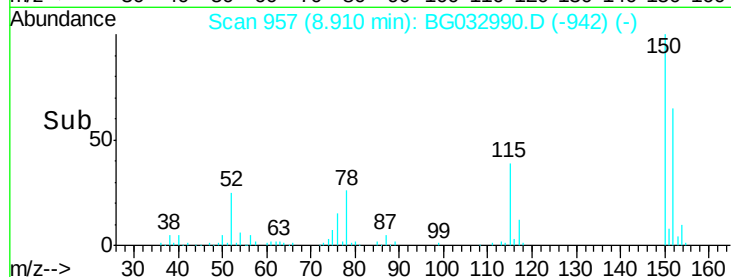
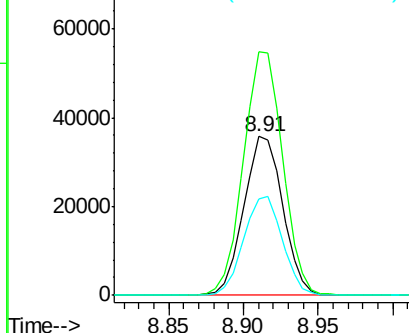
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64567
Ion Ratio Lower Upper
152 100
150 153.6 126.6 189.8
115 60.5 53.0 79.4



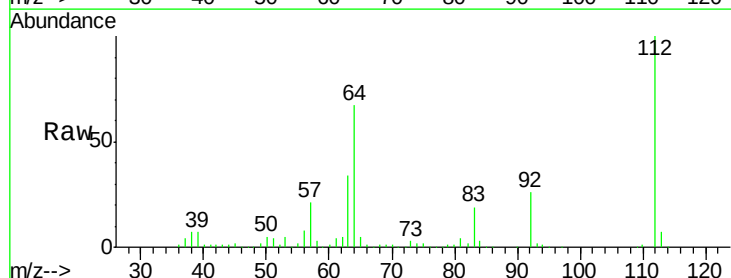
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



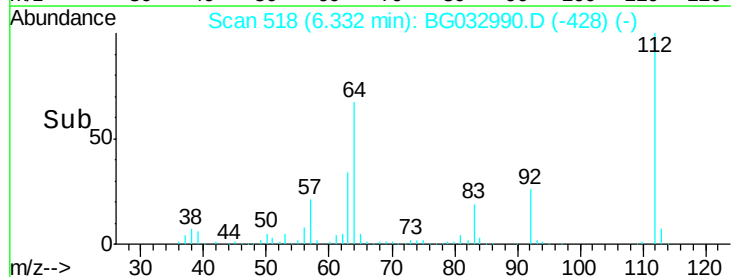
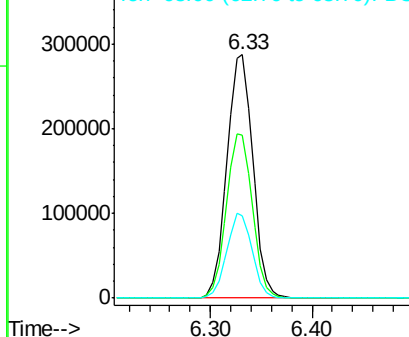
#5

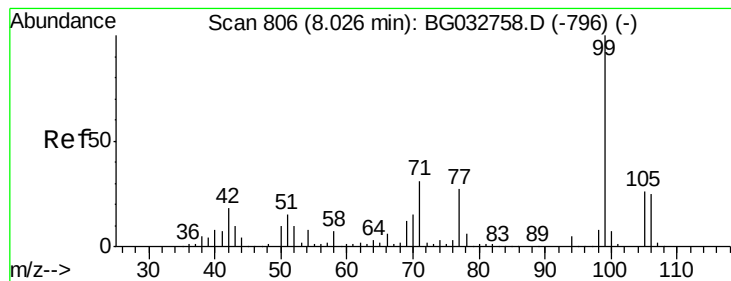
2-Fluorophenol
Concen: 126.465 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Tgt Ion:112 Resp: 510387
Ion Ratio Lower Upper
112 100
64 67.2 56.3 84.5
63 33.7 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: 109.925 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.00 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

Instrument :

BNA_G

ClientSampleId :

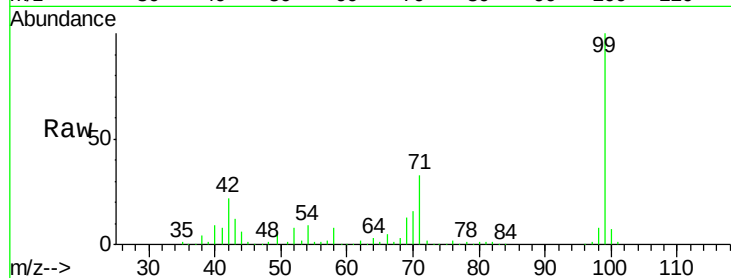
Tot Ion: 99 Resp: 618366

Ion Ratio Lower Upper

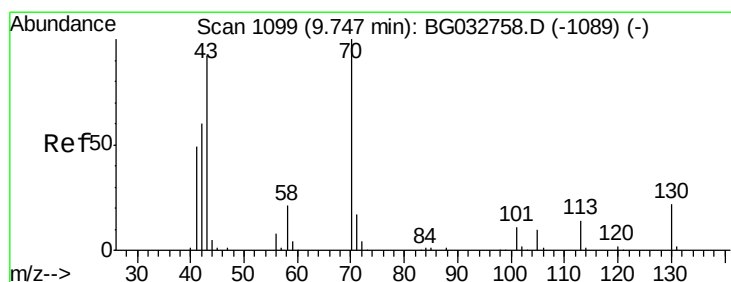
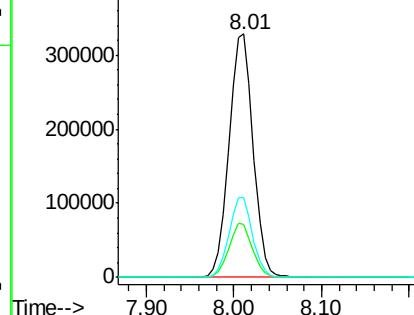
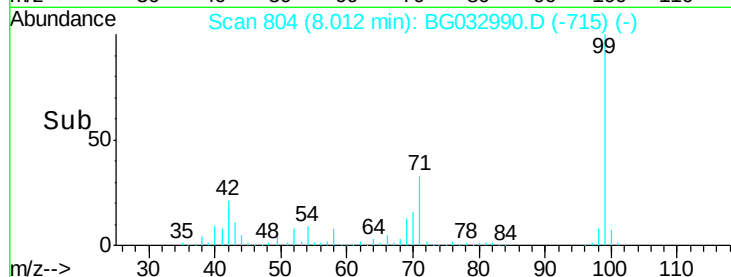
99 100

42 21.5 14.1 21.1#

71 32.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.006 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

Tgt Ion: 70 Resp: 59594

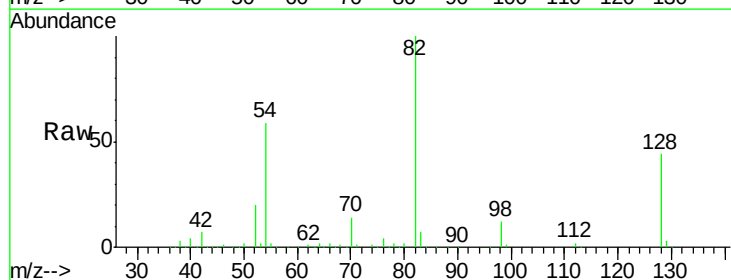
Ion Ratio Lower Upper

70 100

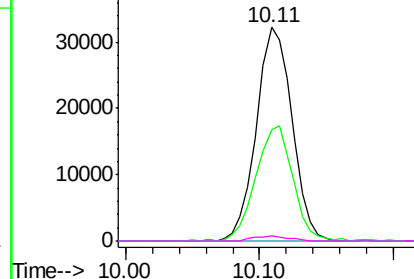
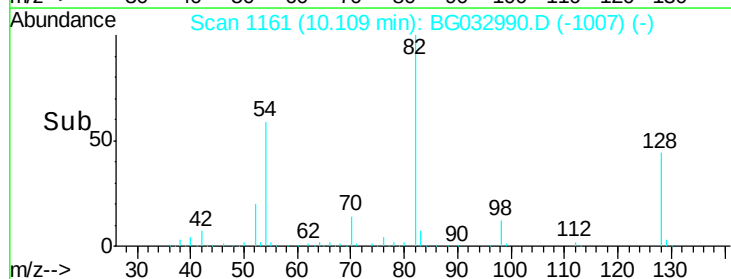
42 52.4 49.1 73.7

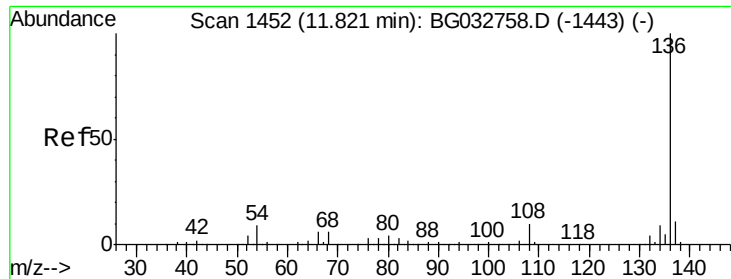
101 0.0 8.5 12.7#

130 2.2 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

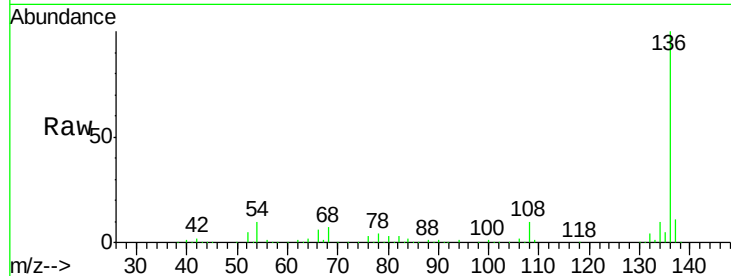




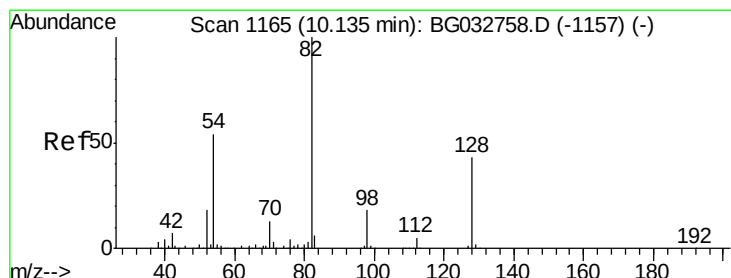
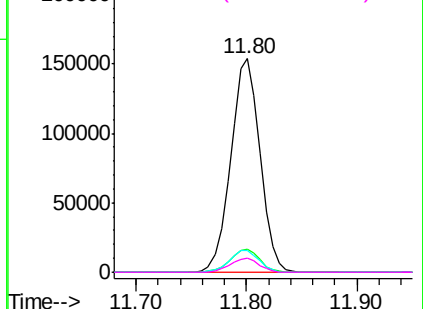
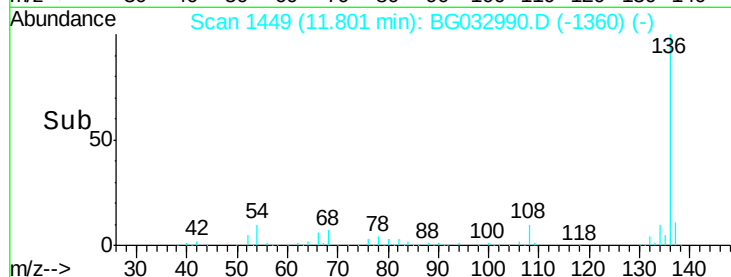
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	284160
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	10.4	10.3 15.5
68	6.6	4.5 6.7

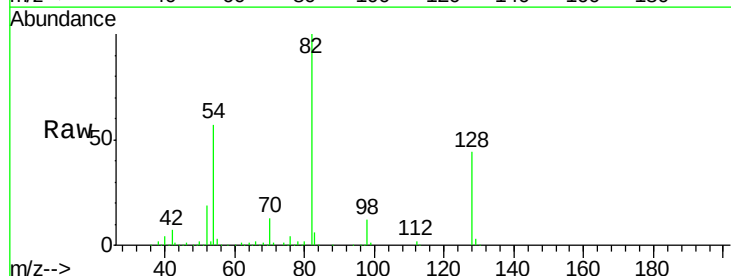


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

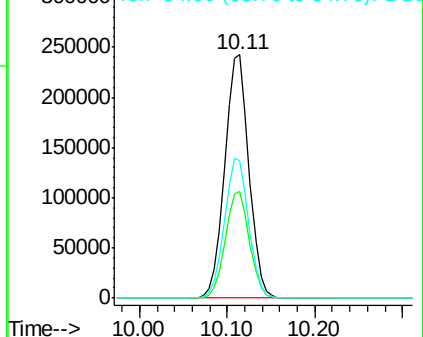
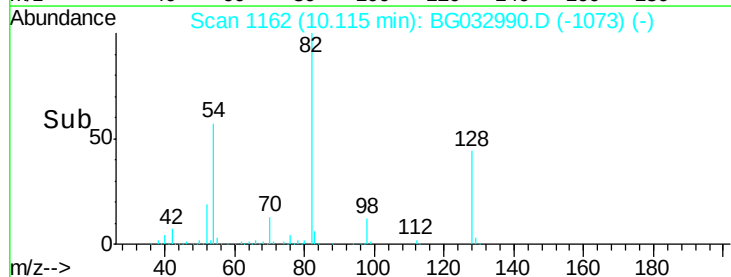


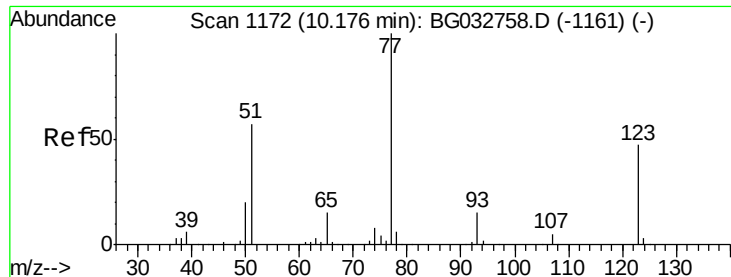
#23
Nitrobenzene-d5
Concen: 108.778 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Tgt Ion: 82	Resp:	458279
Ion Ratio	Lower	Upper
82	100	
128	43.7	29.7 44.5
54	56.6	43.1 64.7



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

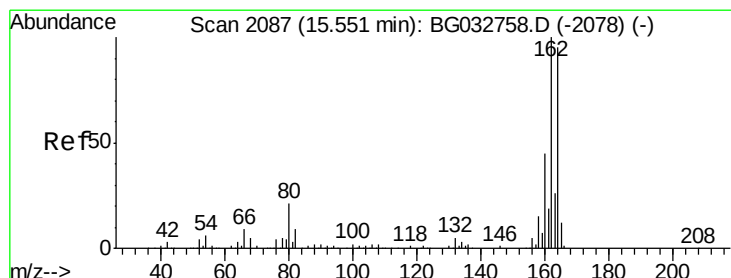
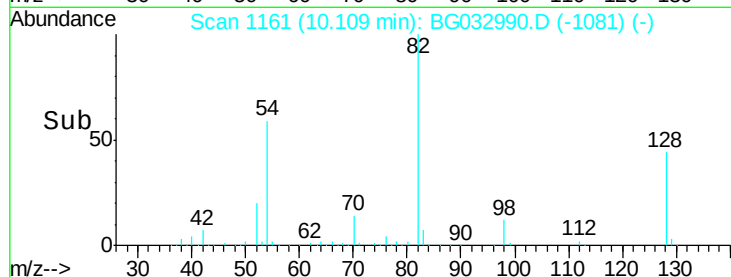
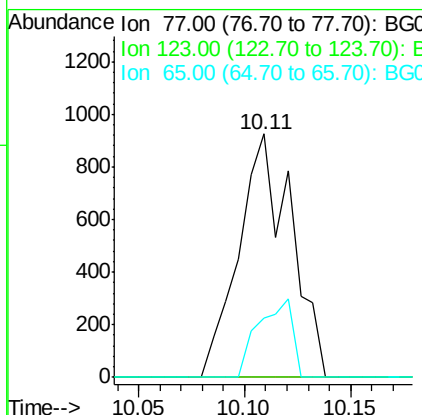
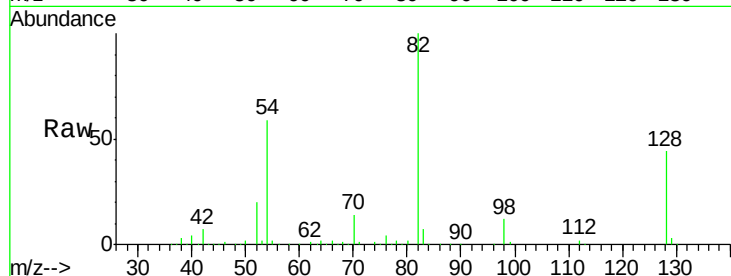




#24
 Nitrobenzene
 Concen: 6.684 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BG032990.D
 Acq: 5 Mar 2018 15:20

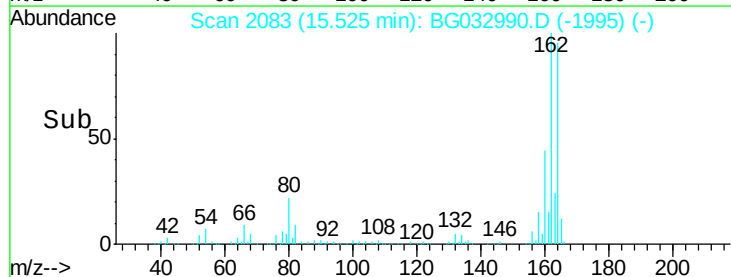
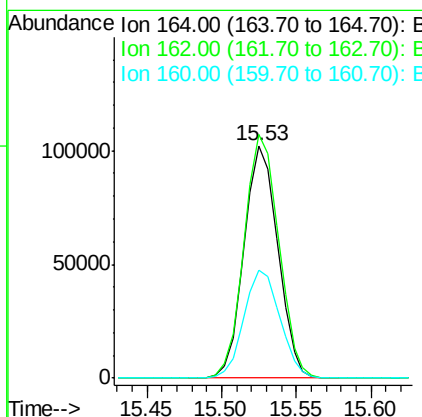
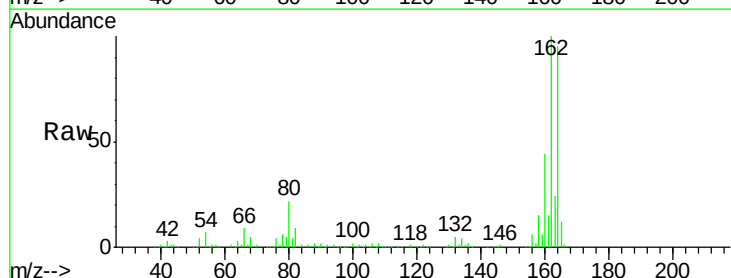
Instrument :
 BNA_G
 ClientSampled :

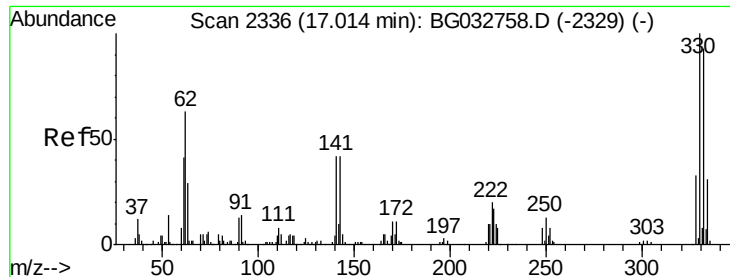
Tot Ion: 77 Resp: 1587
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 24.5 13.0 19.6#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: BG032990.D
 Acq: 5 Mar 2018 15:20

Tgt Ion:164 Resp: 160234
 Ion Ratio Lower Upper
 164 100
 162 104.8 78.8 118.2
 160 46.5 35.4 53.0

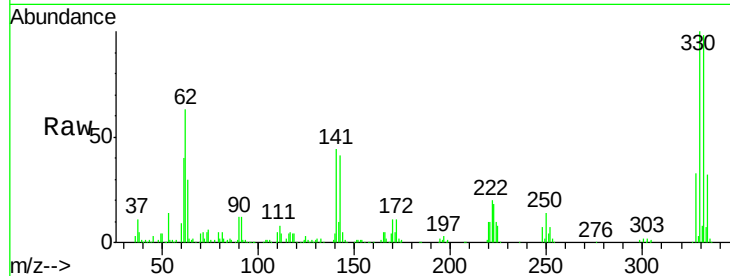




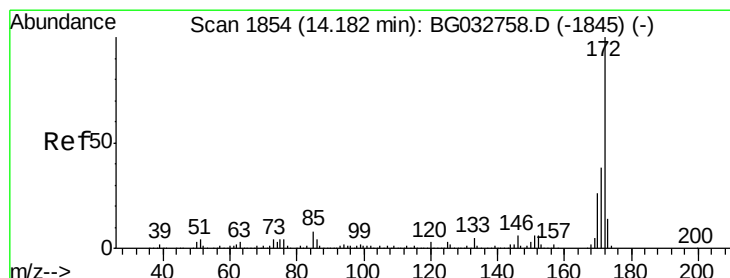
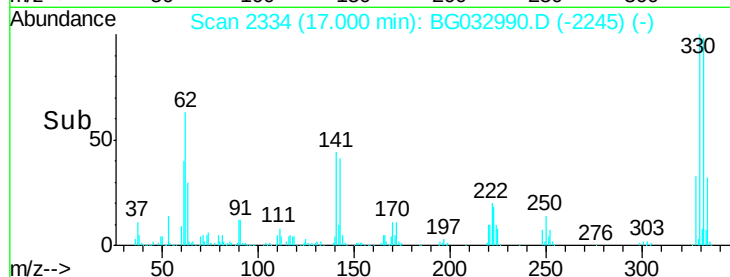
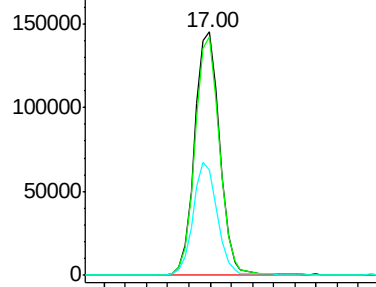
#41
 2,4,6-Tribromophenol
 Concen: 141.686 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: BG032990.D
 Acq: 5 Mar 2018 15:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 238713
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 45.6 25.2 37.8#

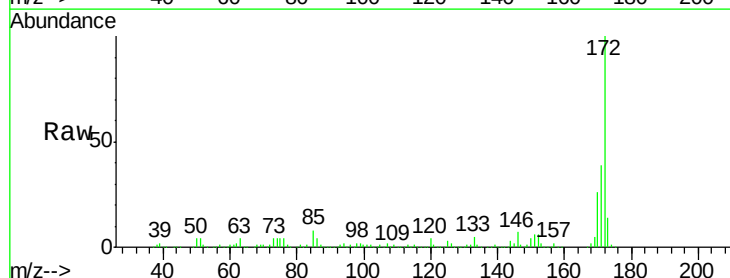


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

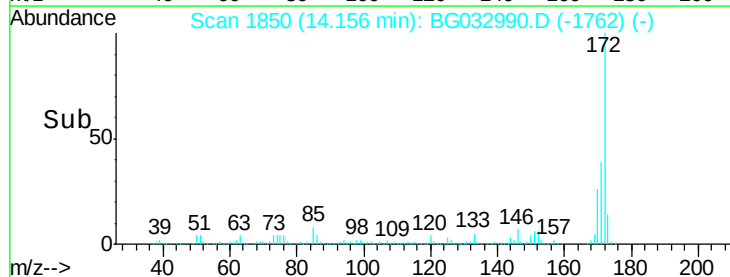
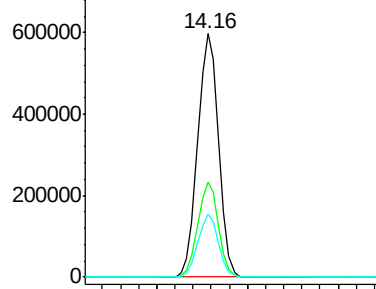


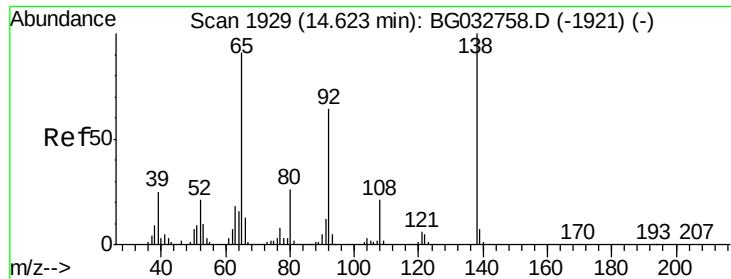
#44
 2-Fluorobiphenyl
 Concen: 85.709 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032990.D
 Acq: 5 Mar 2018 15:20

Tgt Ion:172 Resp: 952230
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.0 45.0
 170 25.9 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: 10.370 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.46 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

Instrument :

BNA_G

ClientSampleId :

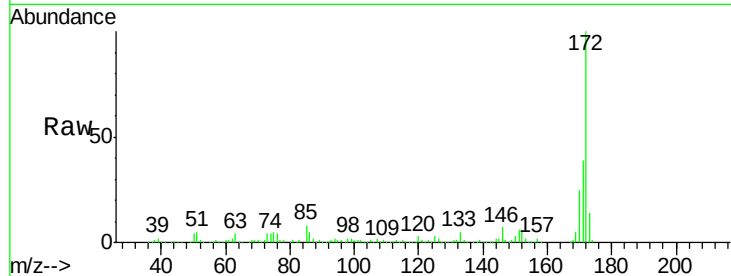
Tot Ion: 65 Resp: 1772

Ion Ratio Lower Upper

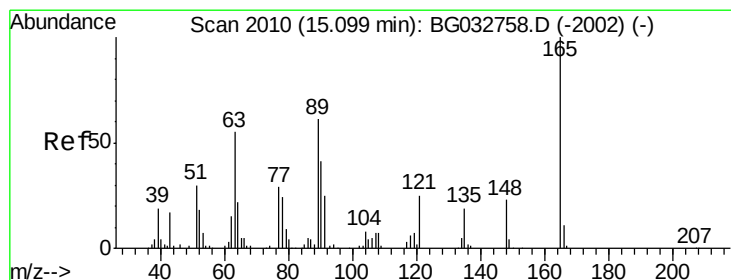
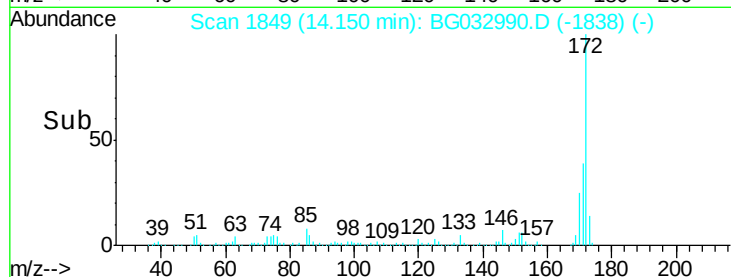
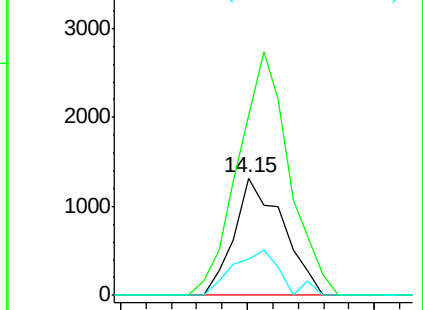
65 100

92 153.4 54.6 82.0#

138 30.6 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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.578 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

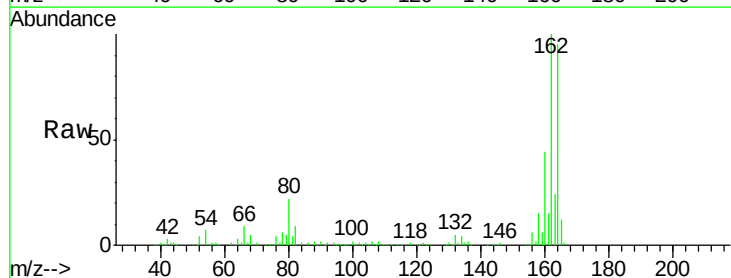
Tgt Ion:165 Resp: 21230

Ion Ratio Lower Upper

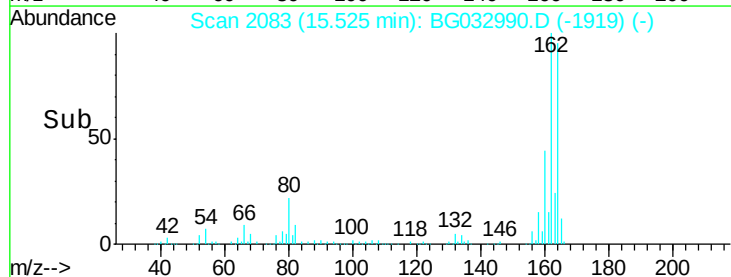
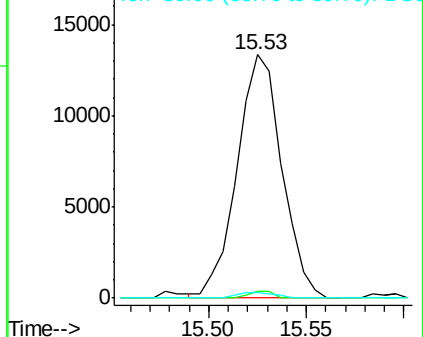
165 100

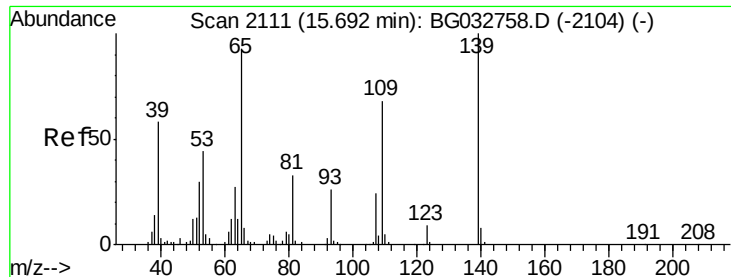
63 2.7 52.7 79.1#

89 2.3 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

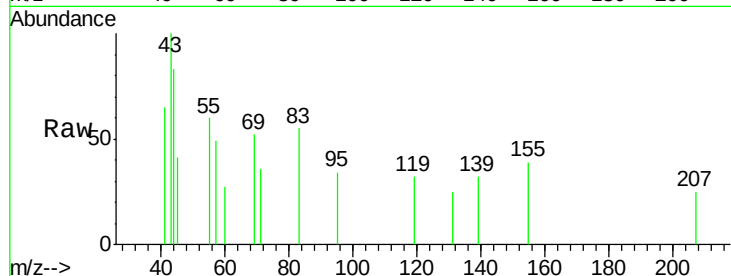




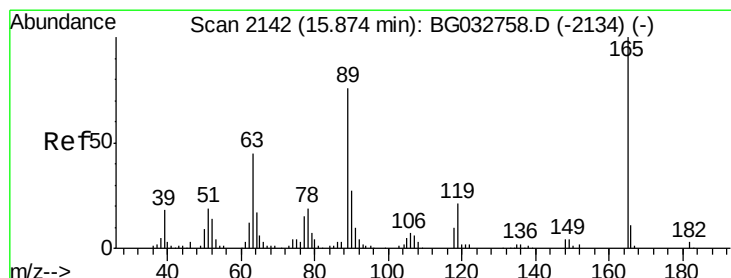
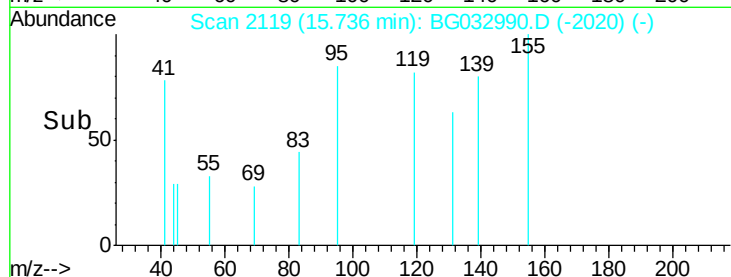
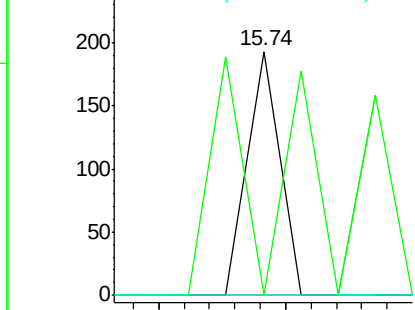
#55
4-Nitrophenol
Concen: 7.108 ng
RT: 15.74 min Scan# 2119
Delta R.T. 0.05 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 68
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

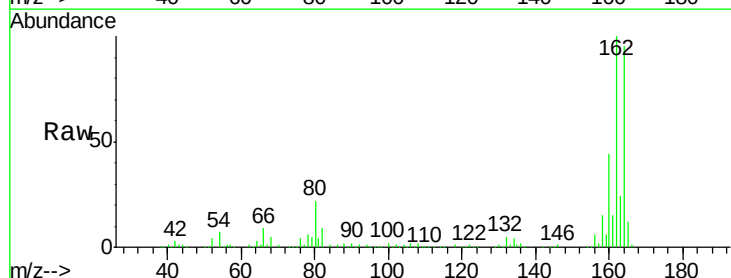


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

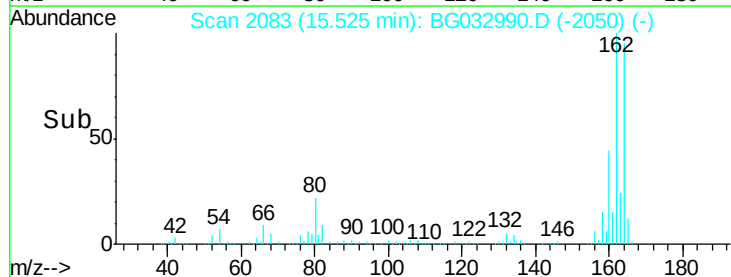
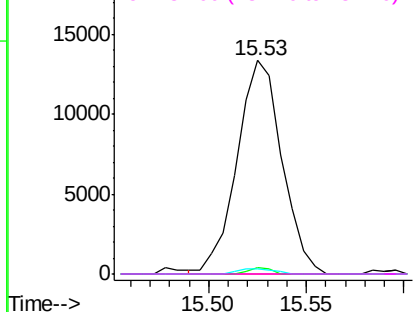


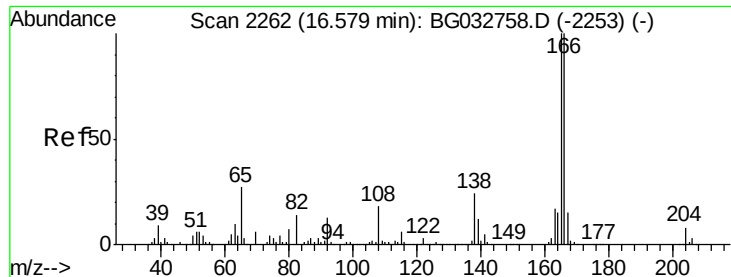
#56
2,4-Dinitrotoluene
Concen: 14.777 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Tgt Ion:165 Resp: 21230
Ion Ratio Lower Upper
165 100
63 2.7 42.0 63.0#
89 2.3 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

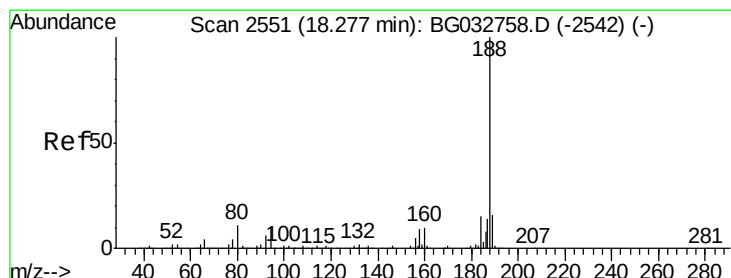
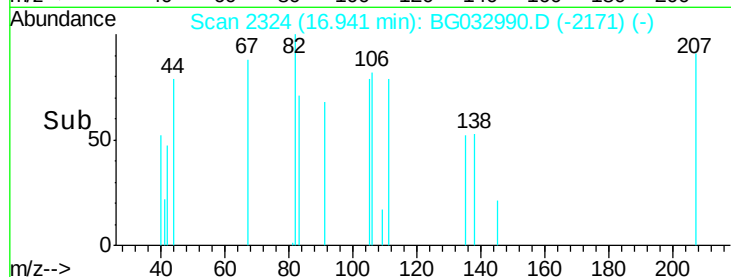
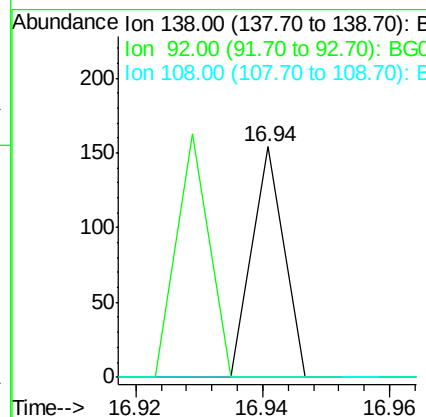
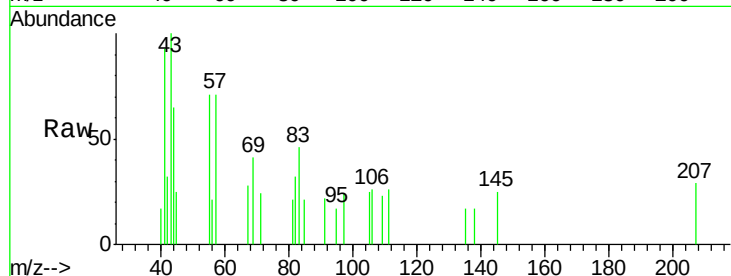




#61
4-Nitroaniline
Concen: 5.316 ng
RT: 16.94 min Scan# 2324
Delta R.T. 0.37 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

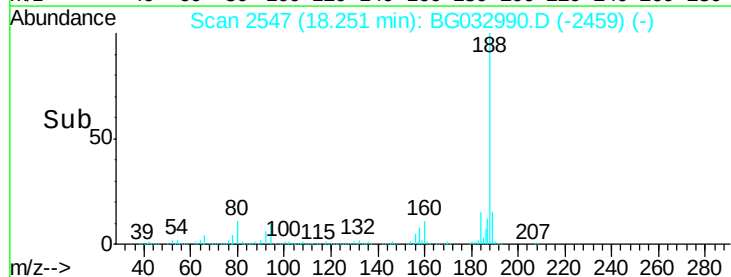
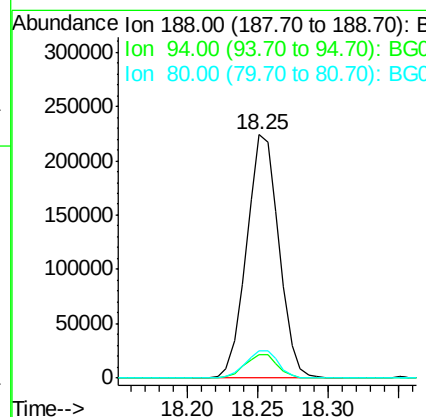
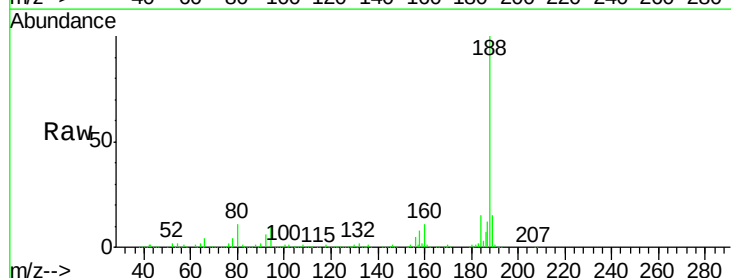
Instrument :
BNA_G
ClientSampled :

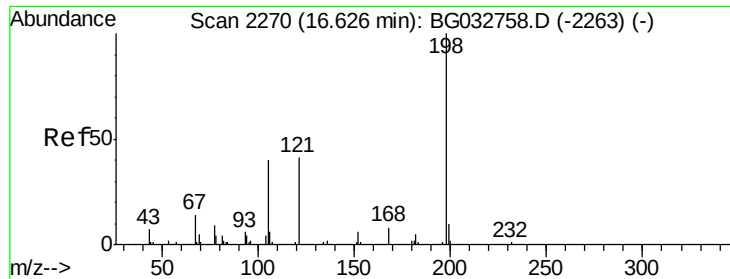
Tot Ion:138 Resp: 54
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG032990.D
Acq: 5 Mar 2018 15:20

Tgt Ion:188 Resp: 359427
Ion Ratio Lower Upper
188 100
94 9.9 6.9 10.3
80 11.3 7.7 11.5

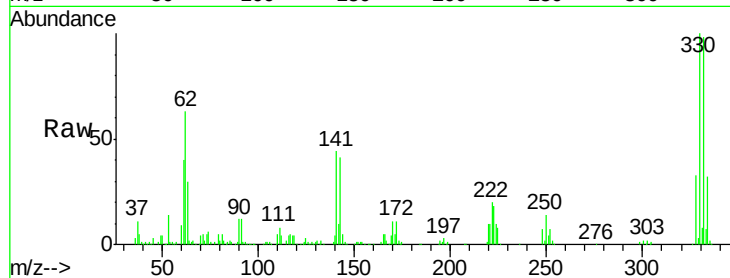




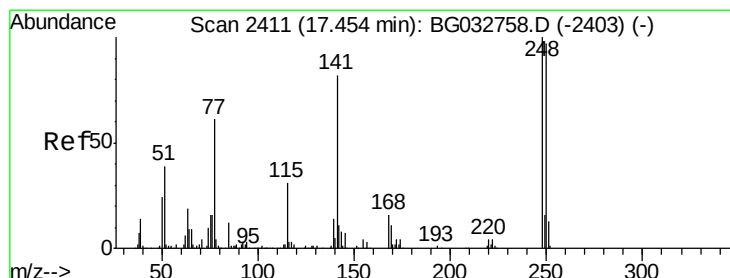
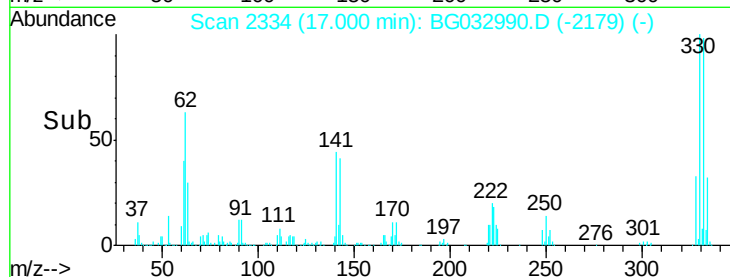
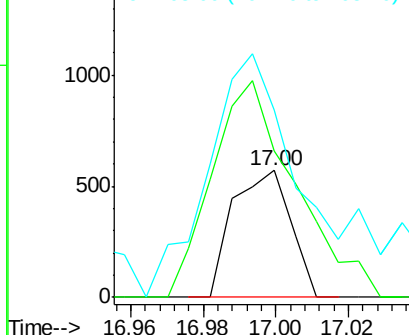
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.691 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032990.D
 Acq: 5 Mar 2018 15:20

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 628
 Ion Ratio Lower Upper
 198 100
 51 116.0 30.6 70.6#
 105 147.4 23.8 63.8#

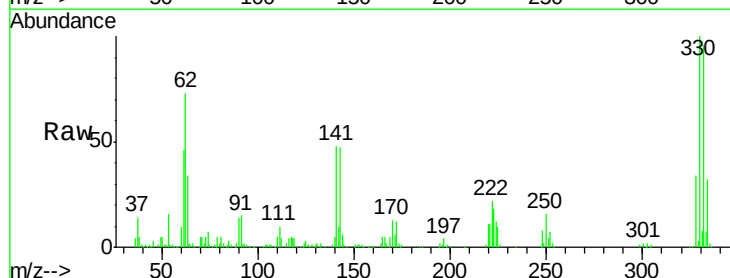


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

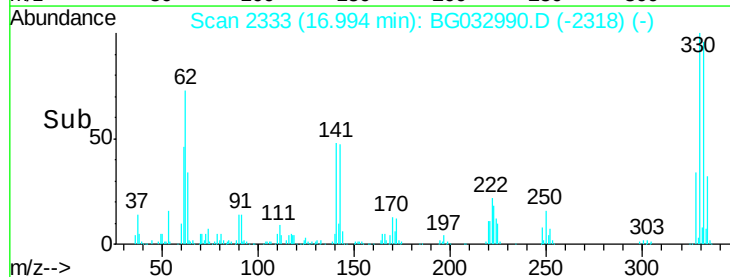
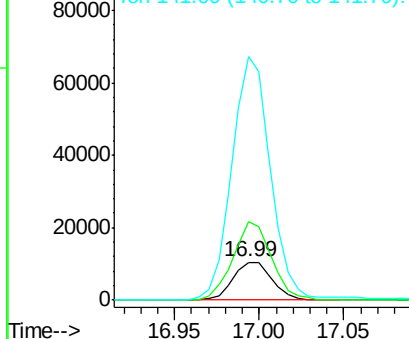


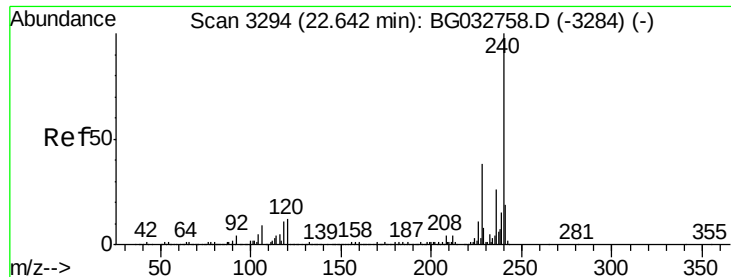
#66
 4-Bromophenyl-phenylether
 Concen: 4.476 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.44 min
 Lab File: BG032990.D
 Acq: 5 Mar 2018 15:20

Tgt Ion:248 Resp: 17012
 Ion Ratio Lower Upper
 248 100
 250 207.0 77.1 115.7#
 141 638.9 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: BG032990.D

Acq: 5 Mar 2018 15:20

Instrument :

BNA_G

ClientSampleId :

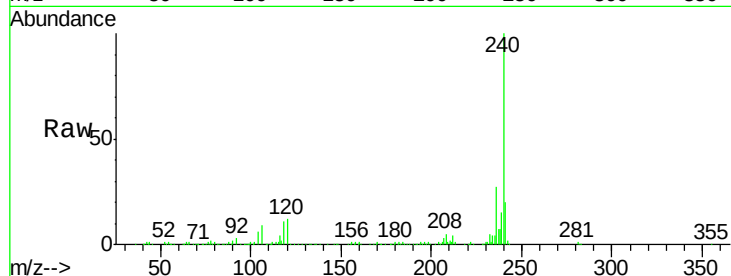
Tot Ion:240 Resp: 338850

Ion Ratio Lower Upper

240 100

120 11.9 6.8 10.2#

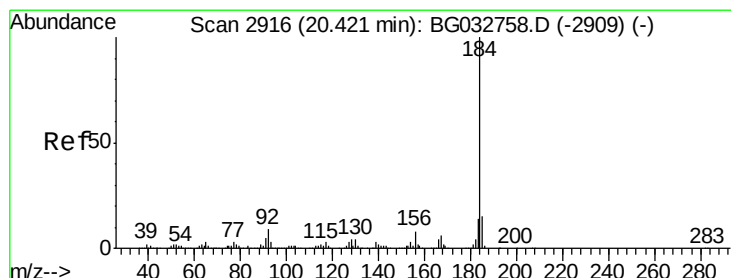
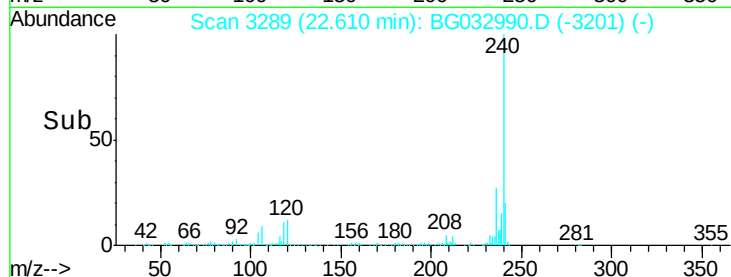
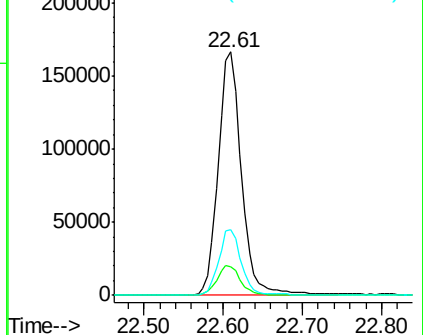
236 27.1 20.9 31.3



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: 2.198 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

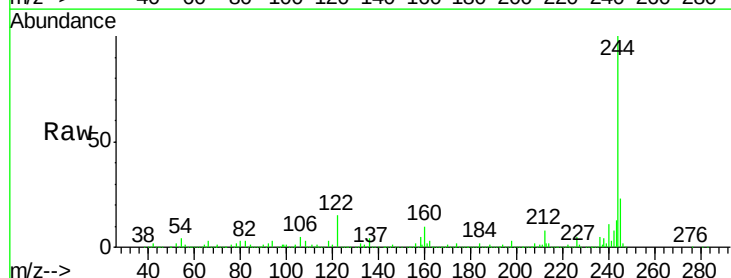
Tgt Ion:184 Resp: 25391

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

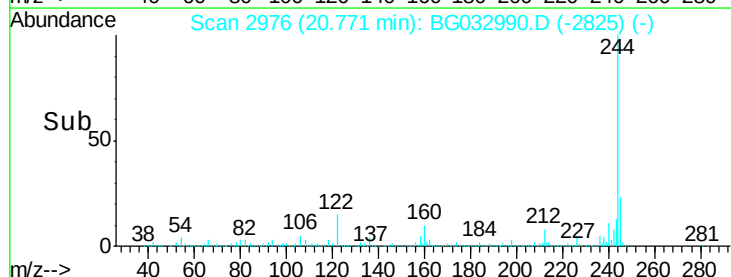
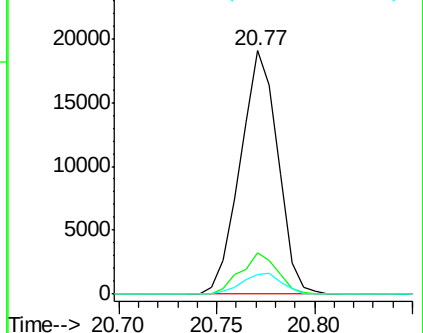
183 8.2 10.6 16.0#

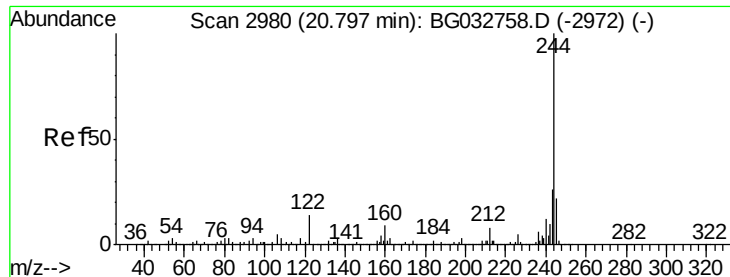


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.513 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

Instrument :

BNA_G

ClientSampled :

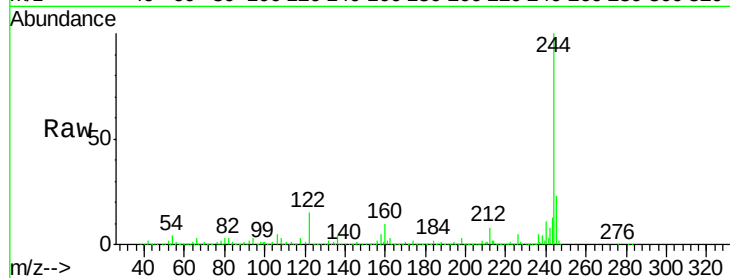
Tot Ion:244 Resp: 1425435

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

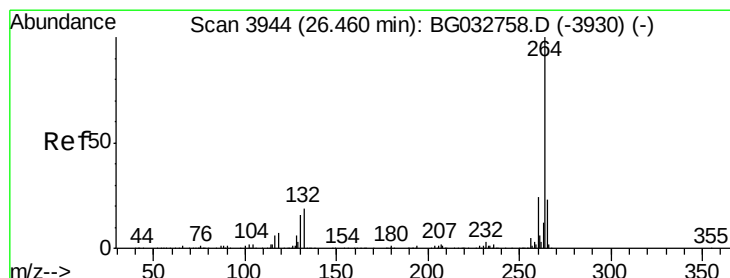
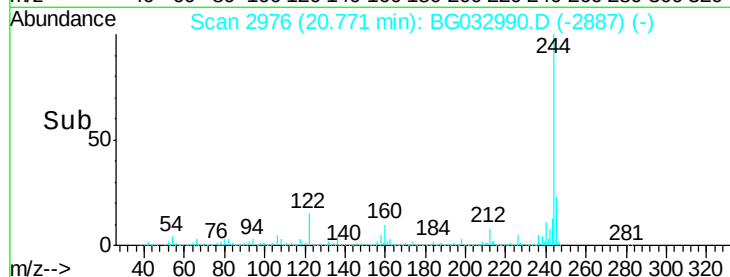
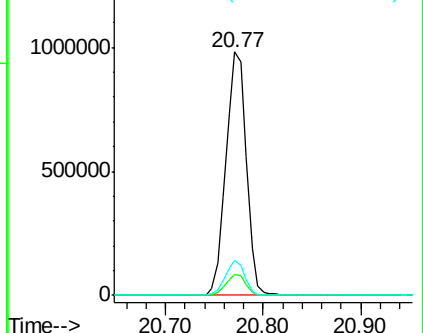
122 14.5 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

Delta R.T. -0.02 min

Lab File: BG032990.D

Acq: 5 Mar 2018 15:20

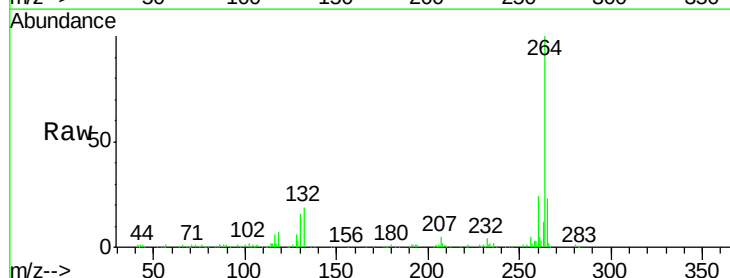
Tgt Ion:264 Resp: 319013

Ion Ratio Lower Upper

264 100

260 23.8 17.4 26.0

265 22.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

