

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030118\
 Data File : BG032921.D
 Acq On : 1 Mar 2018 17:36
 Operator : SJ/JU
 Sample : J1402-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 18:10:09 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	8.92	152	63764	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	279765	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	159698	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	345345	20.00	ng	0.00
75) Chrysene-d12	22.61	240	313666	20.00	ng	0.00
86) Perylene-d12	26.42	264	300870	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	526360	132.07	ng	0.00
7) Phenol-d6	8.02	99	648645	116.76	ng	0.00
23) Nitrobenzene-d5	10.12	82	447184	107.90	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	207396	123.51	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1000803	90.38	ng	0.00
78) Terphenyl-d14	20.78	244	1345411	96.37	ng	0.00

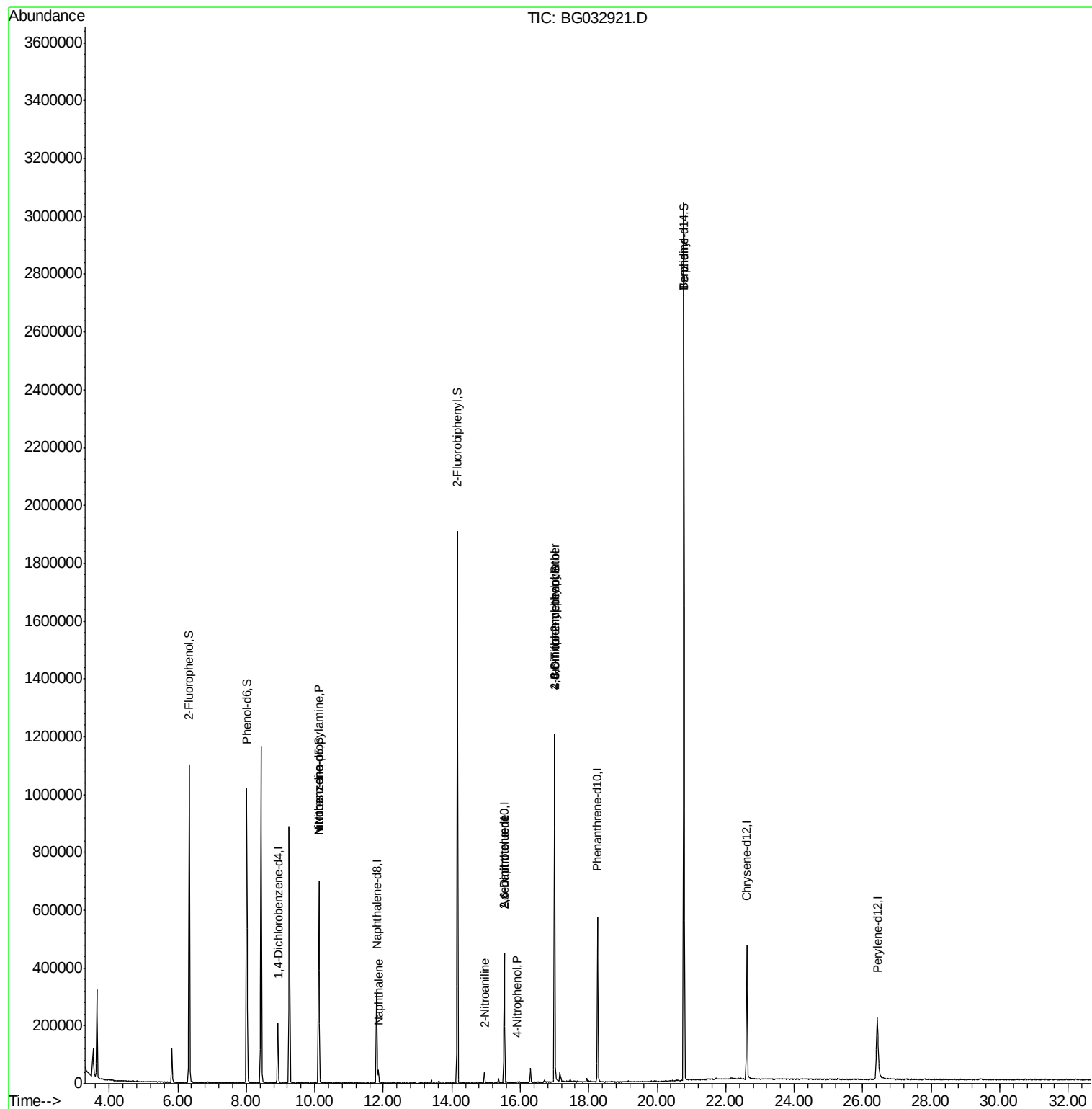
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	57392	14.633	ng	# 82
24) Nitrobenzene	10.13	77	1459	6.664	ng	# 40
31) Naphthalene	11.86	128	42253	2.890	ng	# 97
47) 2-Nitroaniline	14.95	65	259	9.914	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	20996	16.519	ng	# 21
55) 4-Nitrophenol	15.92	139	388	7.240	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	20996	14.718	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	635	5.730	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15405	4.219	ng	# 1
76) Benzidine	20.78	184	22926	2.144	ng	# 89

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

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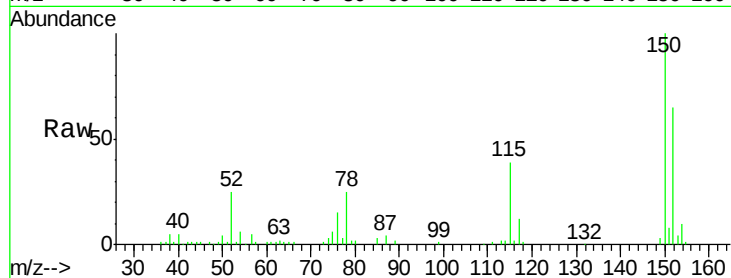


#1

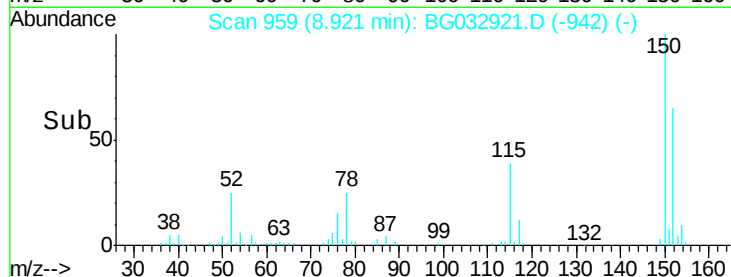
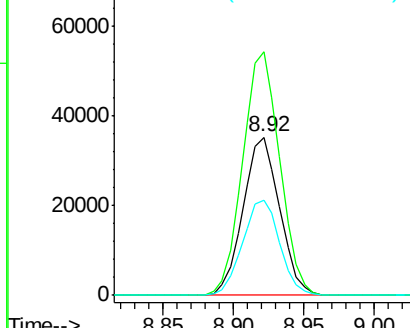
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. 0.00 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63764
Ion Ratio Lower Upper
152 100
150 153.8 126.6 189.8
115 60.1 53.0 79.4



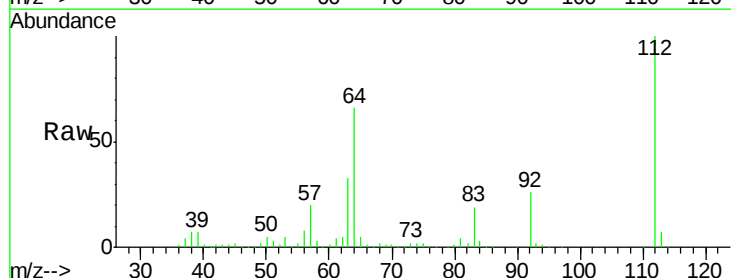
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



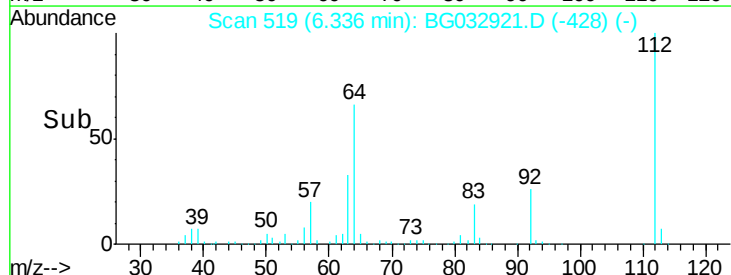
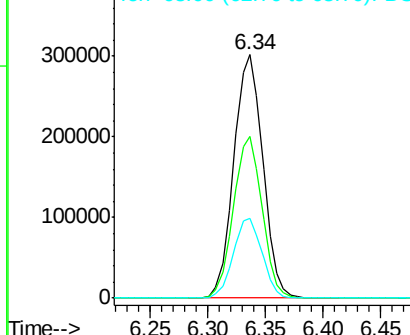
#5

2-Fluorophenol
Concen: 132.065 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Tgt Ion:112 Resp: 526360
Ion Ratio Lower Upper
112 100
64 66.2 56.3 84.5
63 32.6 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: 116.760 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

Instrument :

BNA_G

ClientSampleId :

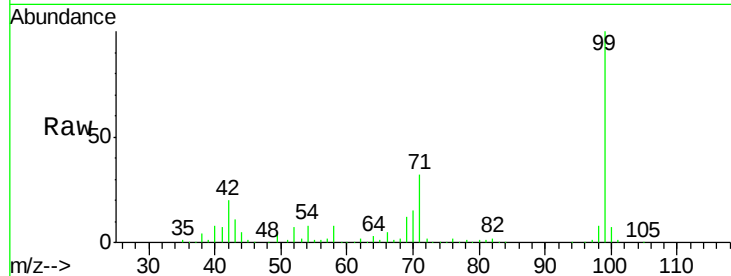
Tot Ion: 99 Resp: 648645

Ion Ratio Lower Upper

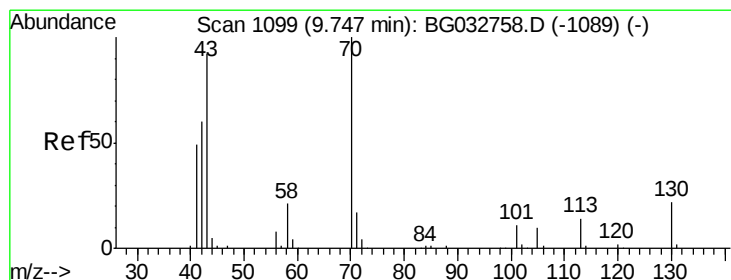
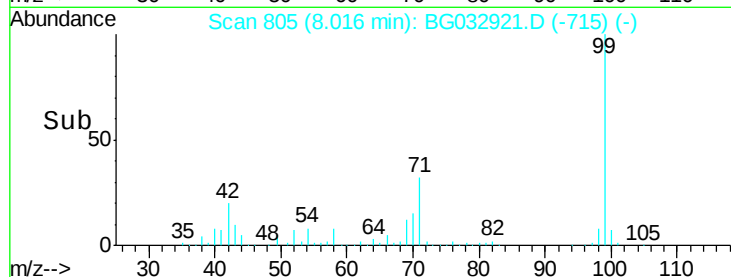
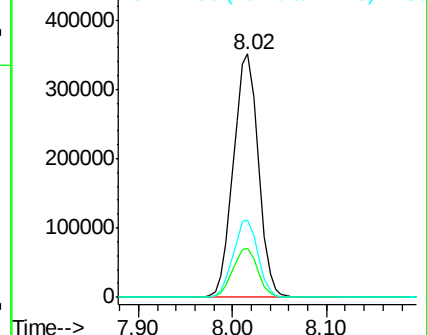
99 100

42 20.1 14.1 21.1

71 32.0 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: 14.633 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

Tgt Ion: 70 Resp: 57392

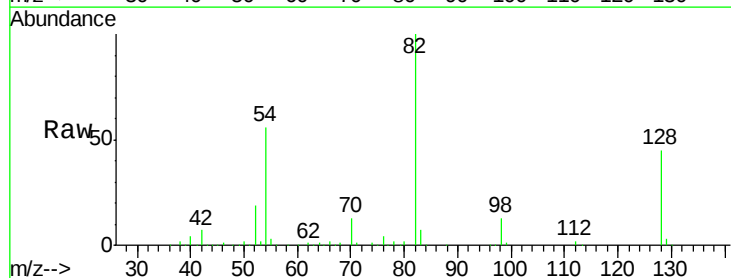
Ion Ratio Lower Upper

70 100

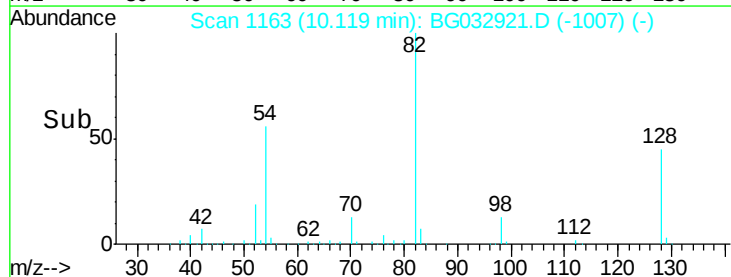
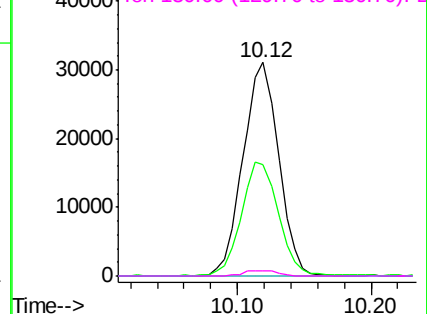
42 52.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.4 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

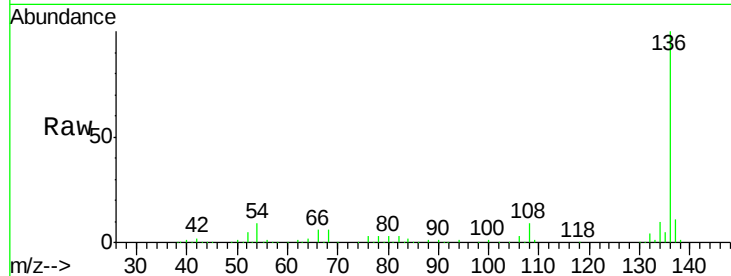




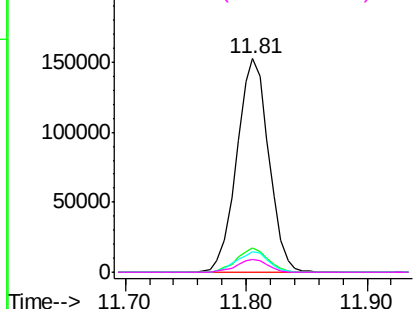
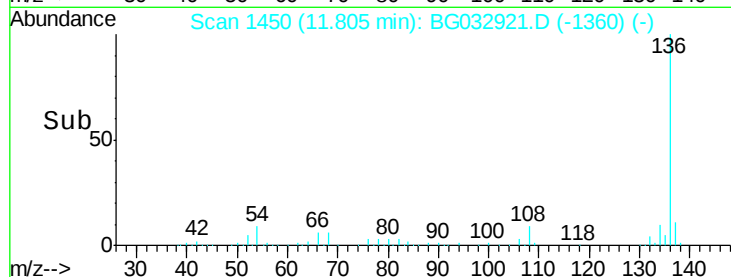
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	279765
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	9.5	10.3 15.5#
68	6.3	4.5 6.7

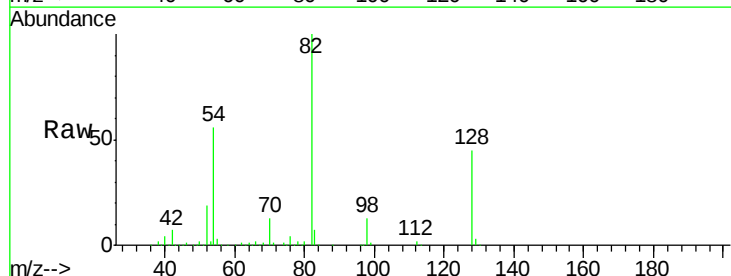


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

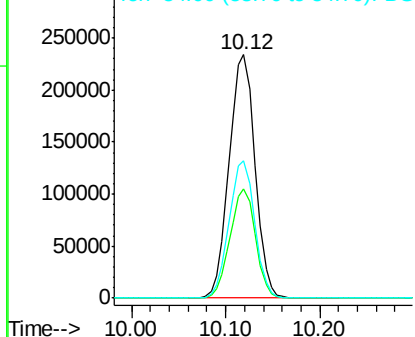
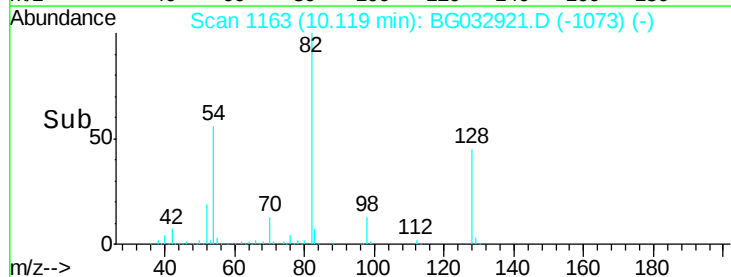


#23
Nitrobenzene-d5
Concen: 107.900 ng
RT: 10.12 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Tgt Ion: 82	Resp:	447184
Ion Ratio	Lower	Upper
82	100	
128	45.1	29.7 44.5#
54	56.2	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

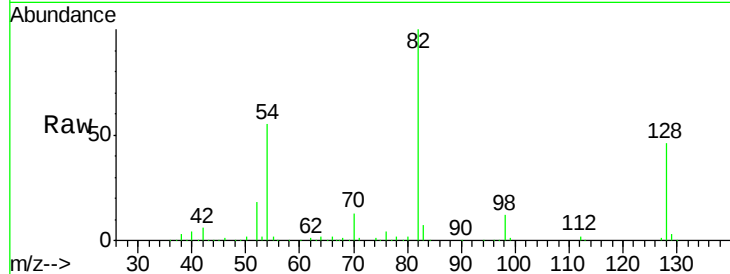




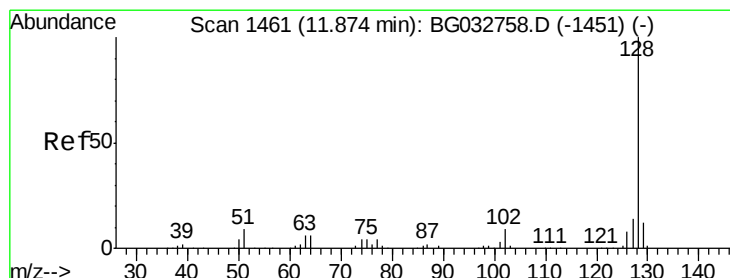
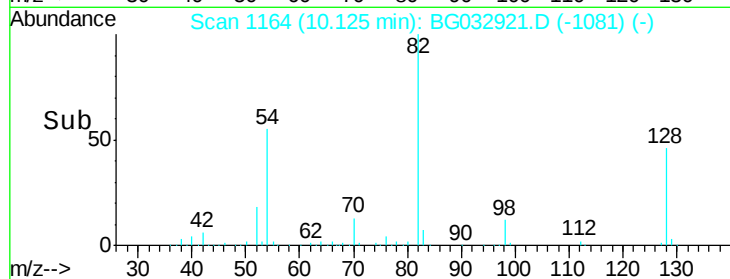
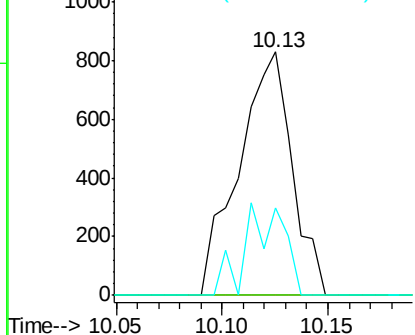
#24
Nitrobenzene
Concen: 6.664 ng
RT: 10.13 min Scan# 1164
Delta R.T. -0.04 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 1459
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 36.0 13.0 19.6#

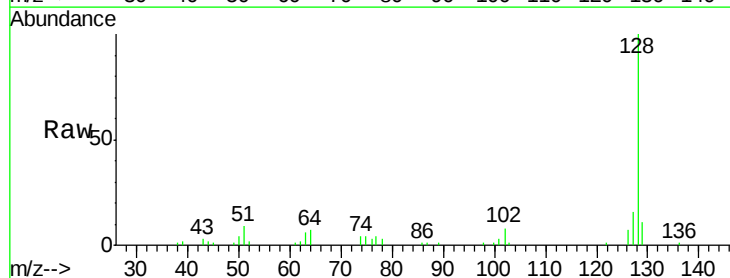


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

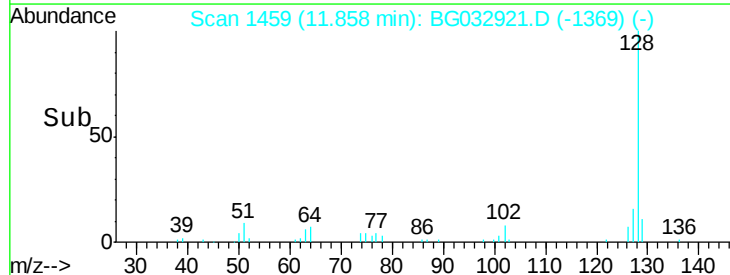
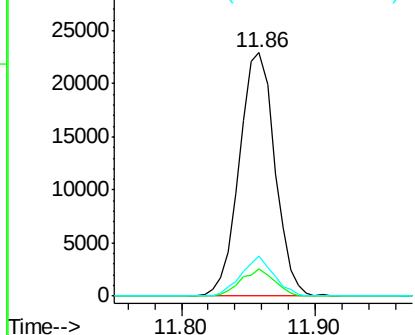


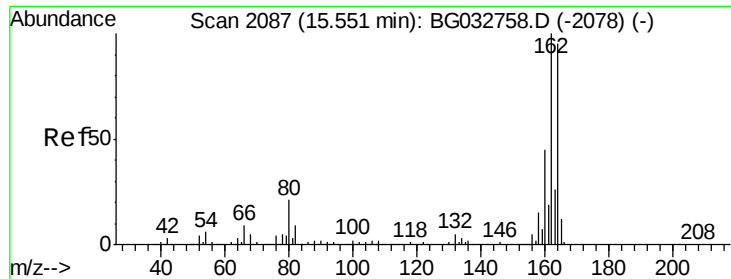
#31
Naphthalene
Concen: 2.890 ng
RT: 11.86 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Tgt Ion: 128 Resp: 42253
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 16.3 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

Instrument :

BNA_G

ClientSampleId :

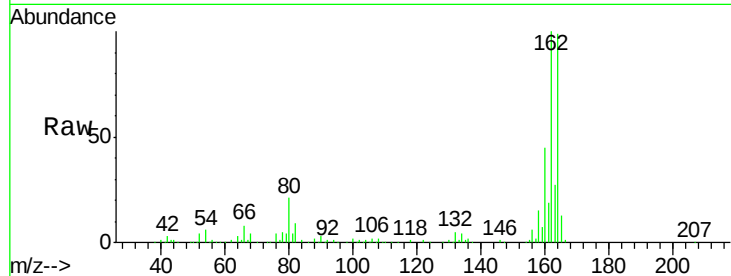
Tot Ion:164 Resp: 159698

Ion Ratio Lower Upper

164 100

162 100.7 78.8 118.2

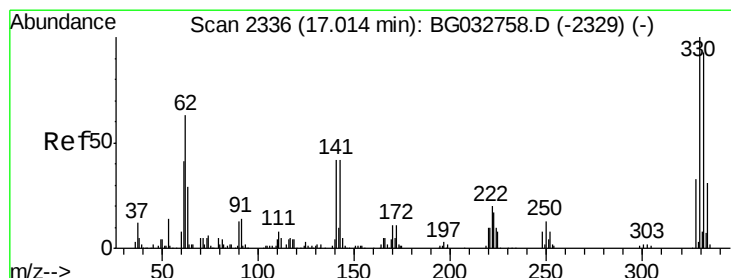
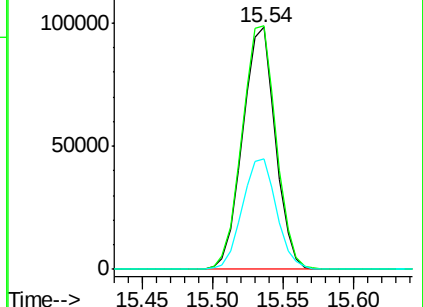
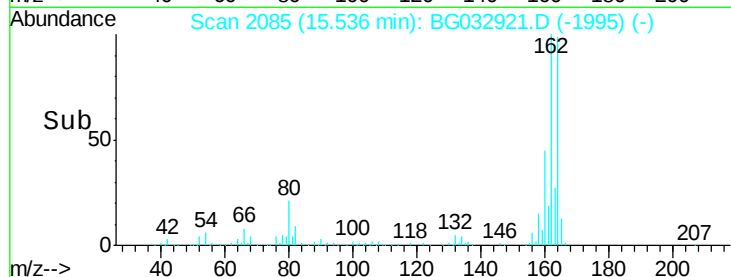
160 45.8 35.4 53.0



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: 123.511 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.00 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

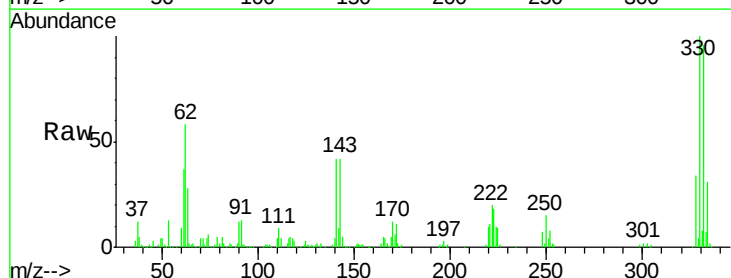
Tgt Ion:330 Resp: 207396

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

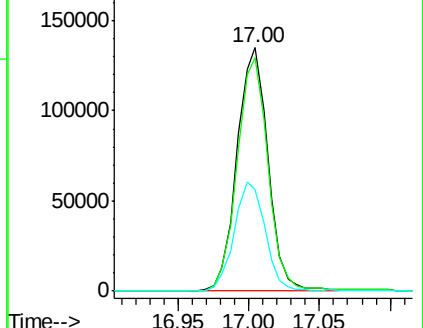
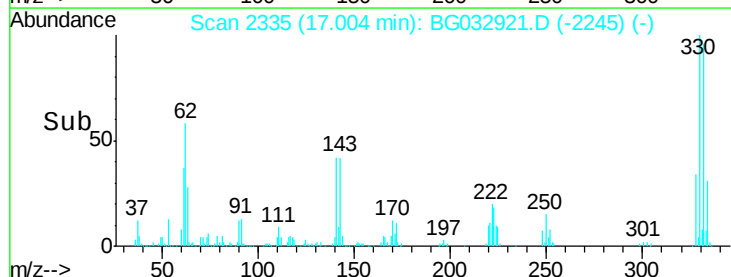
141 45.5 25.2 37.8#

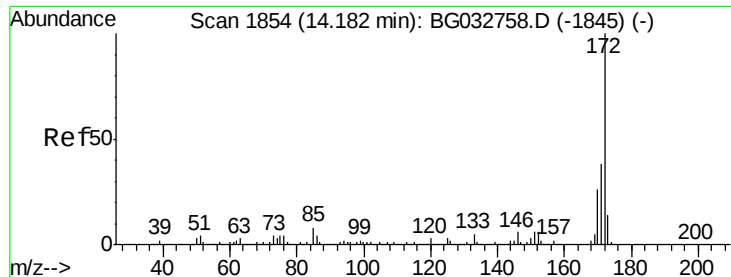


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

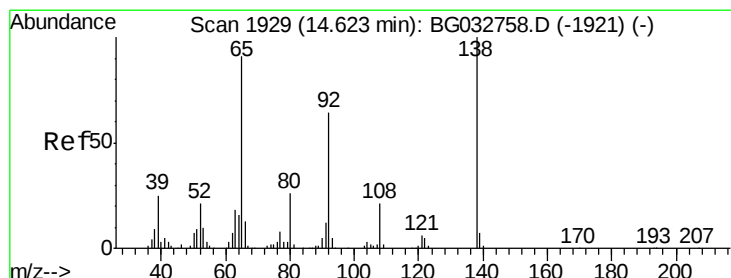
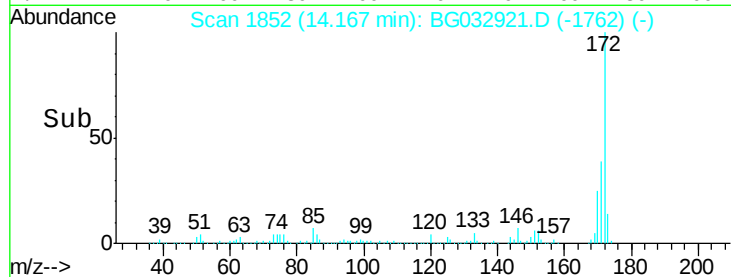
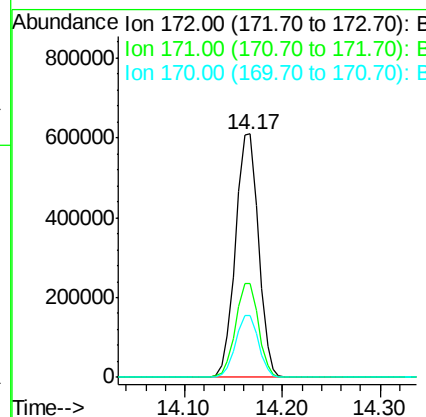
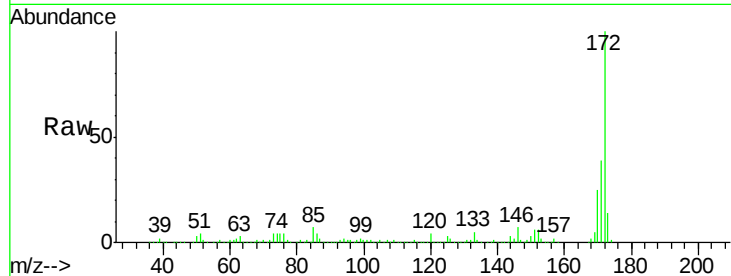




#44
2-Fluorobiphenyl
Concen: 90.384 ng
RT: 14.17 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

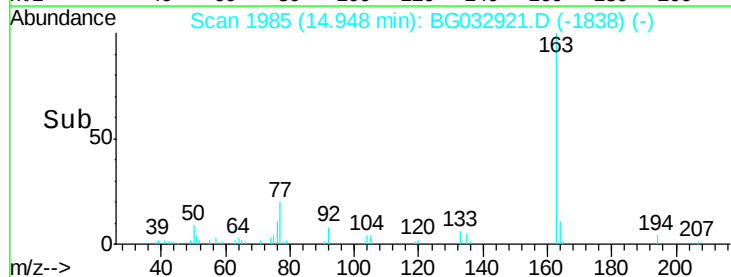
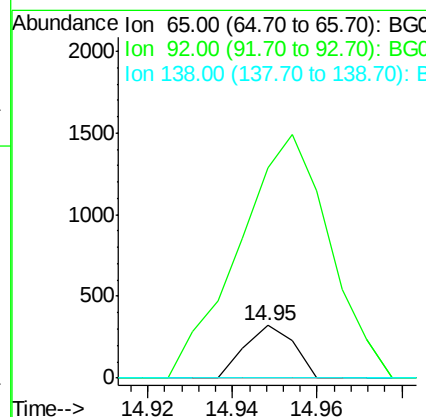
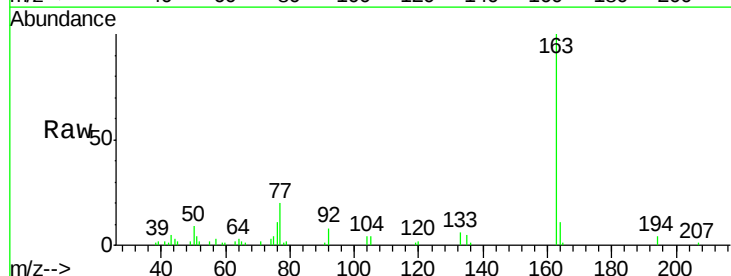
Instrument :
BNA_G
ClientSampleId :

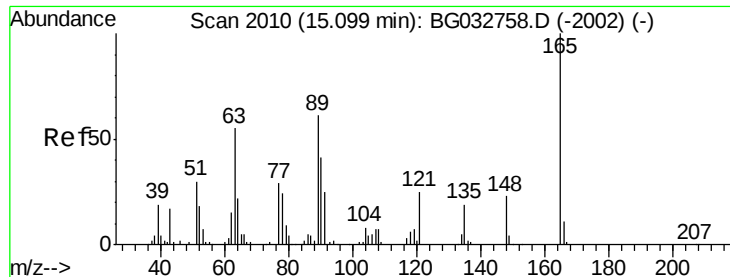
Tot Ion:172 Resp: 1000803
Ion Ratio Lower Upper
172 100
171 38.6 30.0 45.0
170 25.3 19.5 29.3



#47
2-Nitroaniline
Concen: 9.914 ng
RT: 14.95 min Scan# 1985
Delta R.T. 0.34 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Tgt Ion: 65 Resp: 259
Ion Ratio Lower Upper
65 100
92 400.9 54.6 82.0#
138 0.0 72.9 109.3#

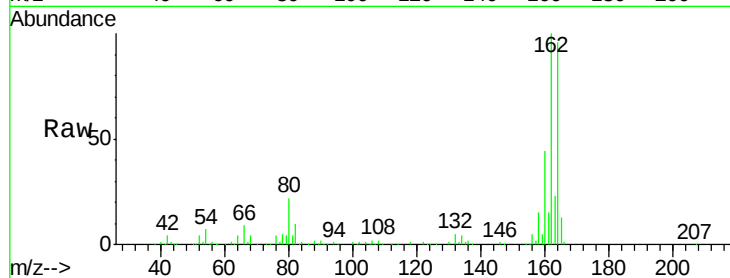




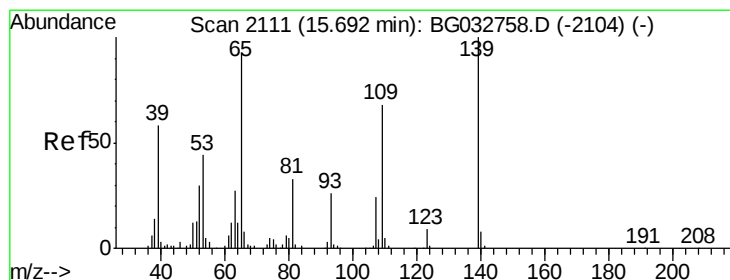
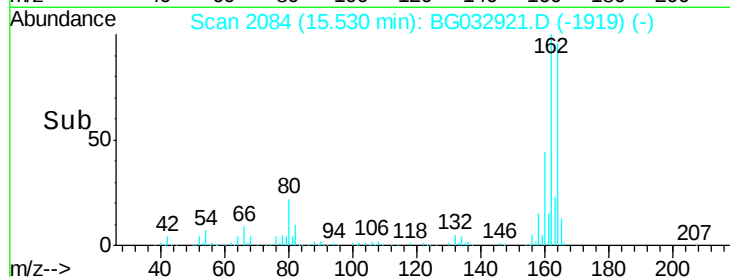
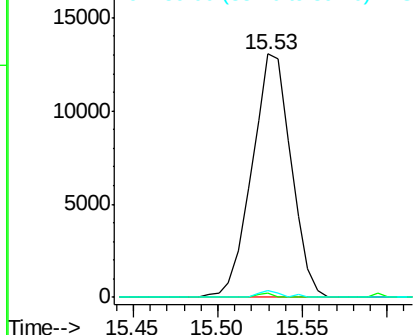
#50
2,6-Dinitrotoluene
Concen: 16.519 ng
RT: 15.53 min Scan# 2084
Delta R.T. 0.44 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 20996
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 2.5 49.2 73.8#

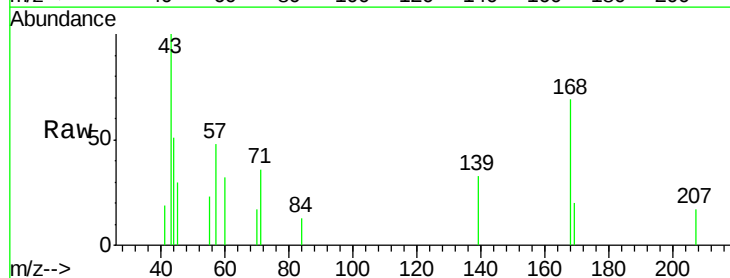


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

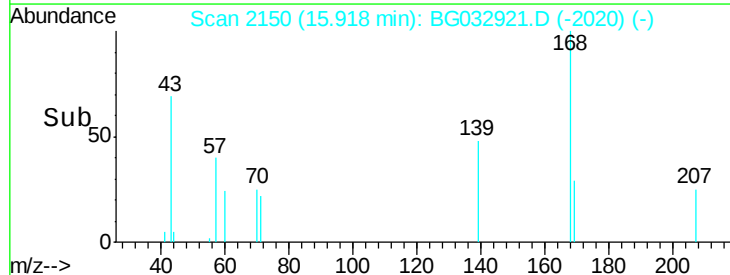
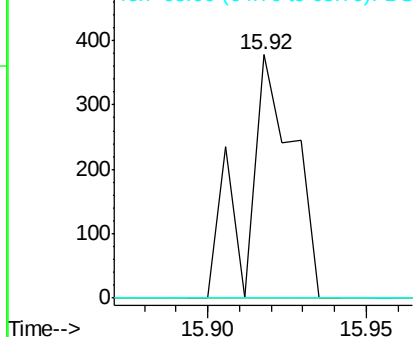


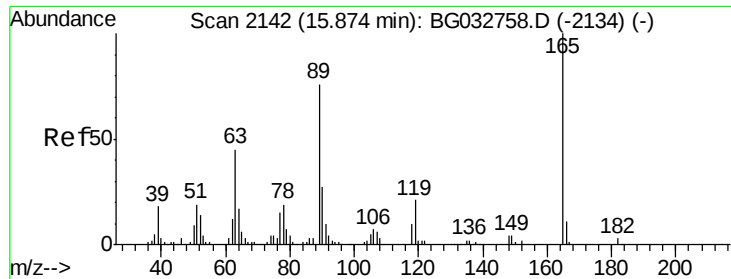
#55
4-Nitrophenol
Concen: 7.240 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG032921.D
Acq: 1 Mar 2018 17:36

Tgt Ion:139 Resp: 388
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

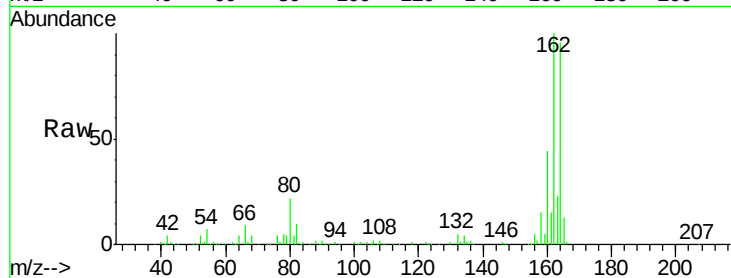




#56
 2,4-Dinitrotoluene
 Concen: 14.718 ng
 RT: 15.53 min Scan# 2084
 Delta R.T. -0.33 min
 Lab File: BG032921.D
 Acq: 1 Mar 2018 17:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	42.0	63.0#
89	2.5	66.9	100.3#
182	0.0	2.6	3.8#

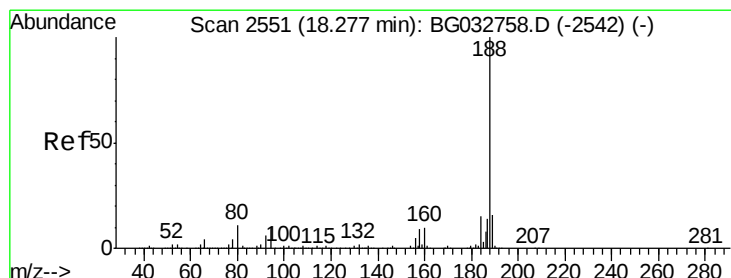
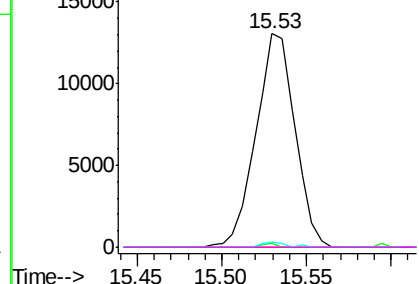
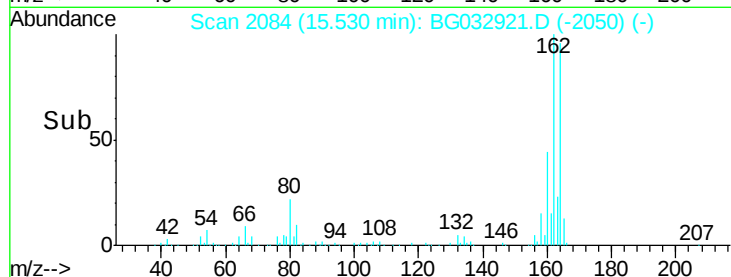


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

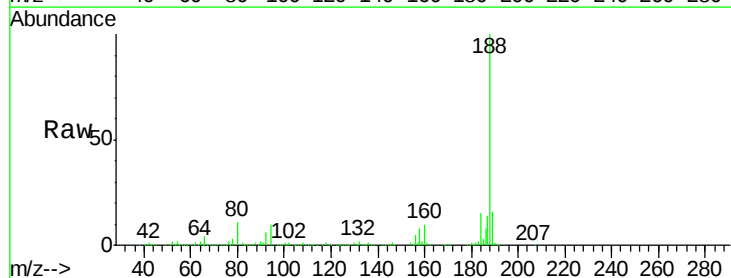
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: BG032921.D
 Acq: 1 Mar 2018 17:36

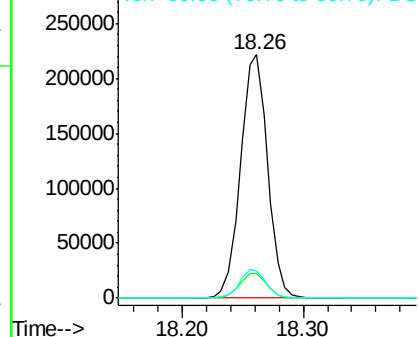
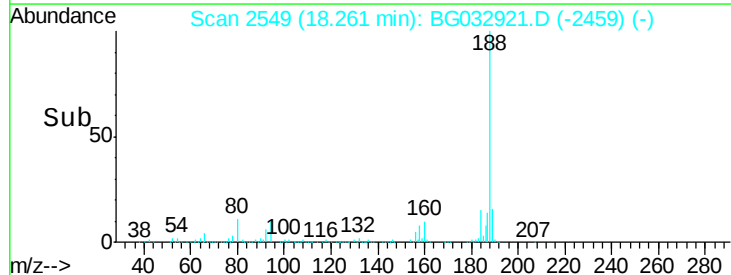
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	6.9	10.3
80	11.3	7.7	11.5

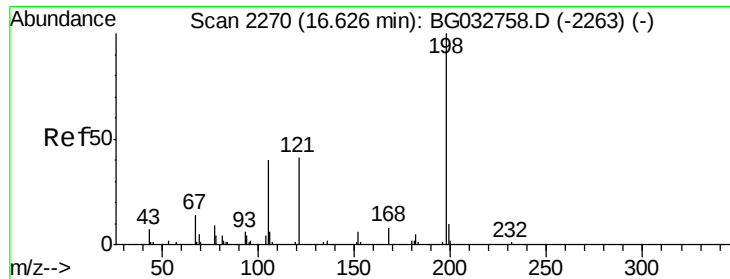


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

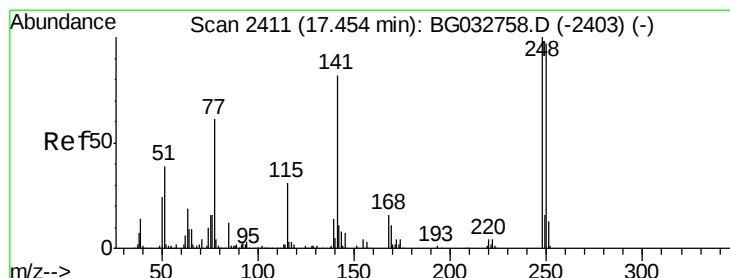
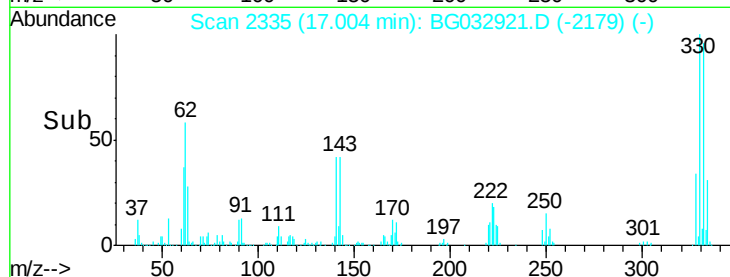
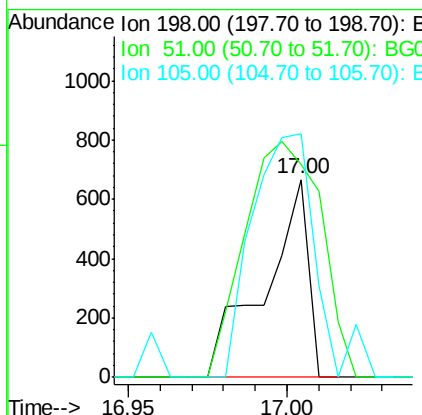
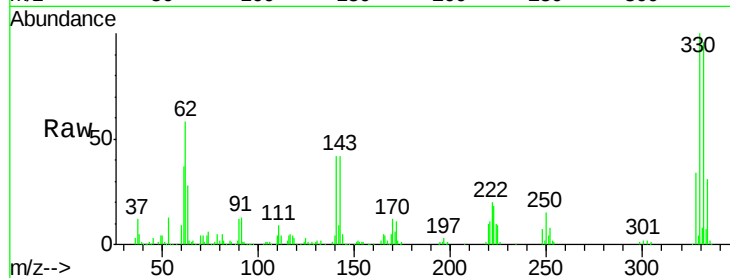




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.730 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. 0.39 min
 Lab File: BG032921.D
 Acq: 1 Mar 2018 17:36

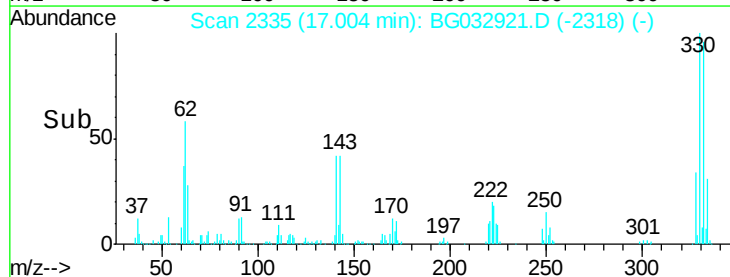
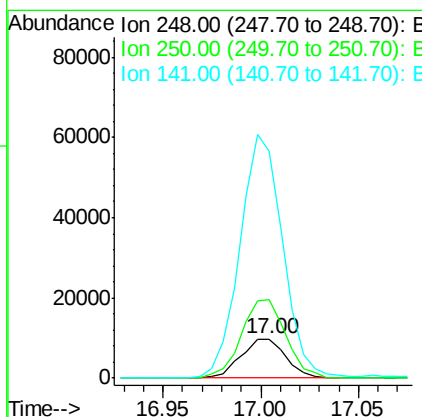
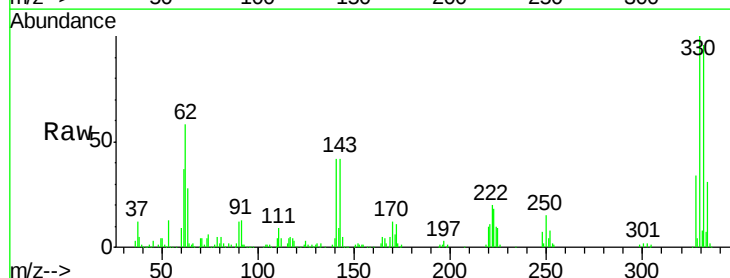
Instrument :
 BNA_G
 ClientSampleId :

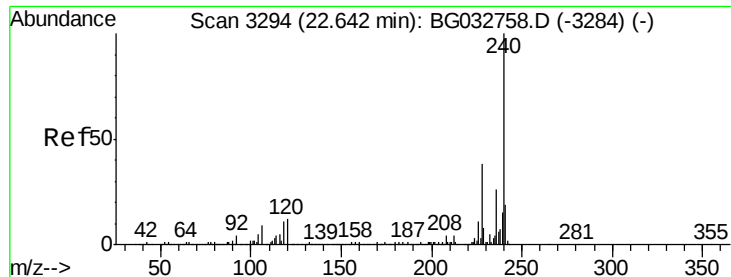
Tot Ion:198 Resp: 635
 Ion Ratio Lower Upper
 198 100
 51 107.7 30.6 70.6#
 105 123.3 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.219 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032921.D
 Acq: 1 Mar 2018 17:36

Tgt Ion:248 Resp: 15405
 Ion Ratio Lower Upper
 248 100
 250 201.8 77.1 115.7#
 141 581.3 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3290

Delta R.T. -0.01 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

Instrument :

BNA_G

ClientSampleId :

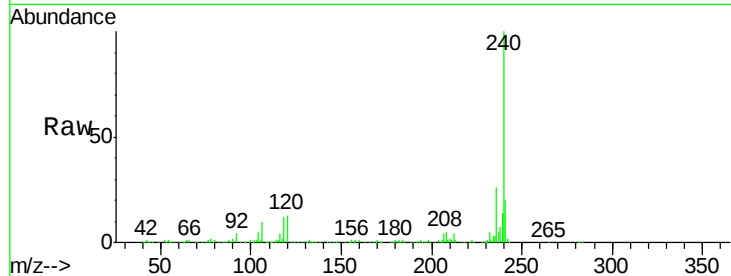
Tot Ion:240 Resp: 313666

Ion Ratio Lower Upper

240 100

120 12.7 6.8 10.2#

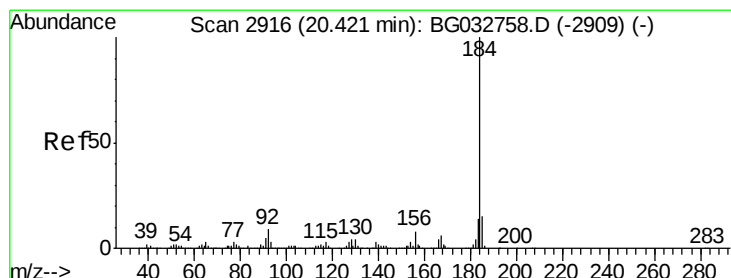
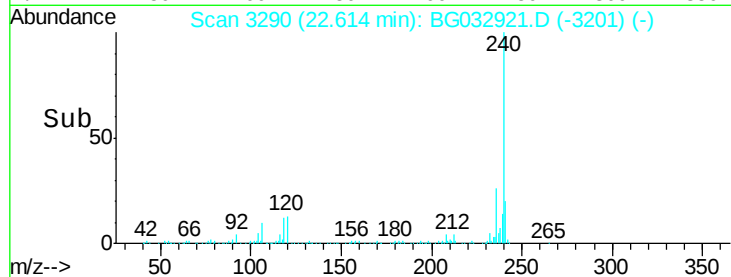
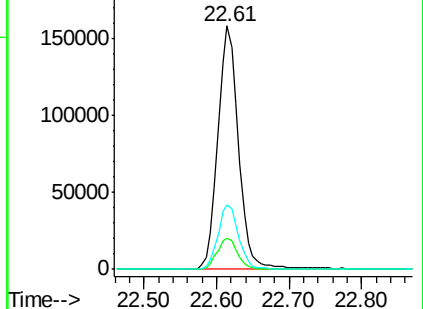
236 26.4 20.9 31.3



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: 2.144 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.36 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

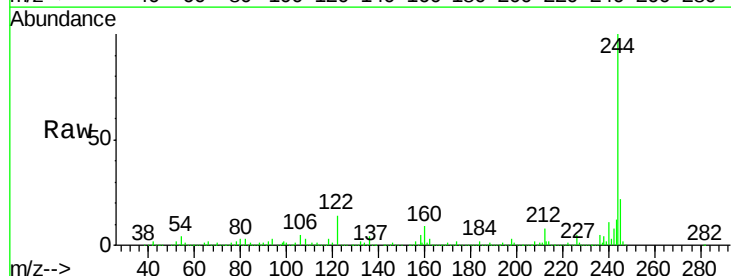
Tgt Ion:184 Resp: 22926

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

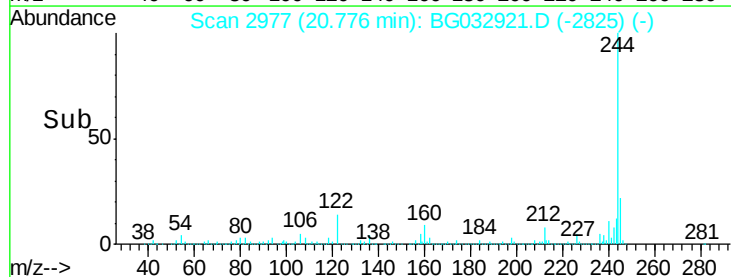
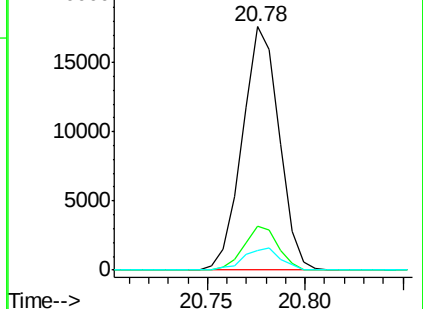
183 8.0 10.6 16.0#

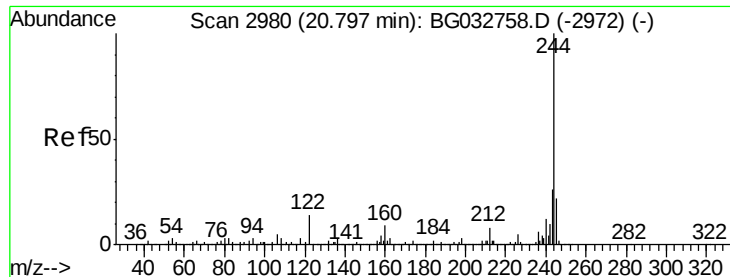


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.369 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

Instrument :

BNA_G

ClientSampleId :

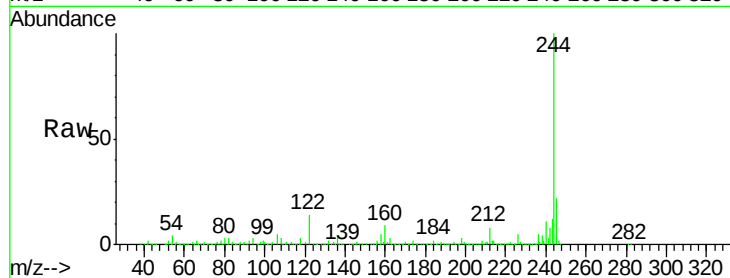
Tot Ion:244 Resp: 1345411

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

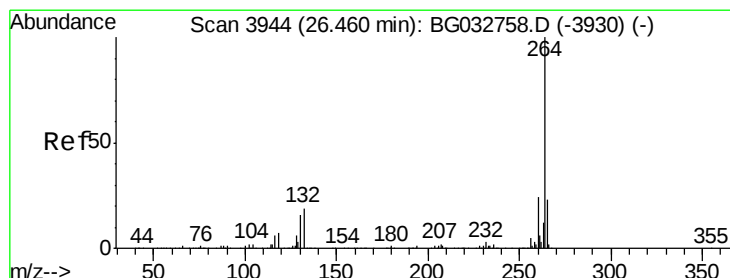
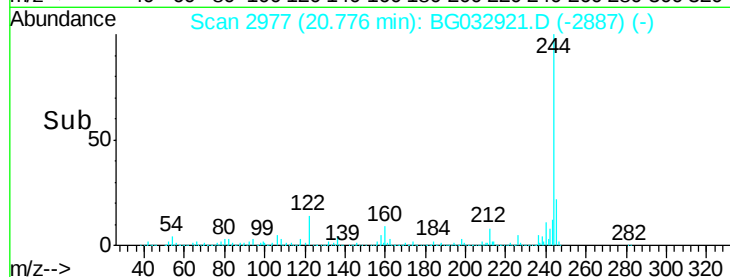
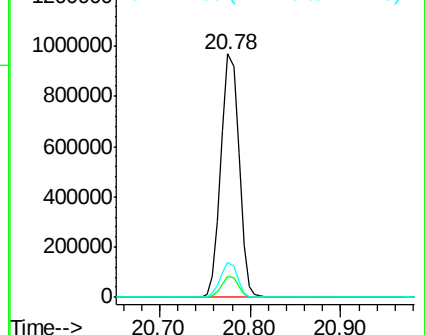
122 14.4 7.0 10.4#



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: 26.42 min Scan# 3938

Delta R.T. -0.01 min

Lab File: BG032921.D

Acq: 1 Mar 2018 17:36

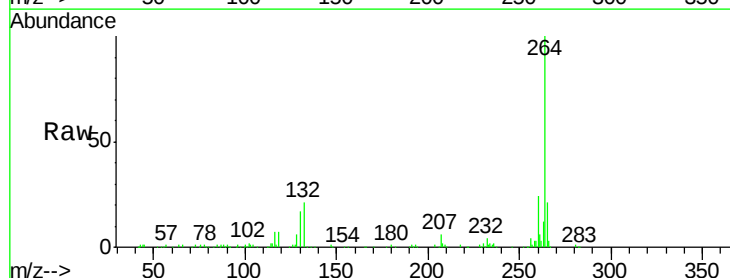
Tgt Ion:264 Resp: 300870

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.4 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

