

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022818\
 Data File : BG032911.D
 Acq On : 1 Mar 2018 7:11
 Operator : SJ/JU
 Sample : J1710-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 10:47:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 26 17:50:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	77437	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	339639	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	190159	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	422500	20.00	ng	0.00
75) Chrysene-d12	22.61	240	373677	20.00	ng	-0.02
86) Perylene-d12	26.43	264	362045	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	634364	131.06	ng	0.00
7) Phenol-d6	8.02	99	768721	113.94	ng	0.00
23) Nitrobenzene-d5	10.12	82	551837	109.52	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	261883	130.98	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	1212162	91.94	ng	-0.01
78) Terphenyl-d14	20.78	244	1662610	99.96	ng	0.00

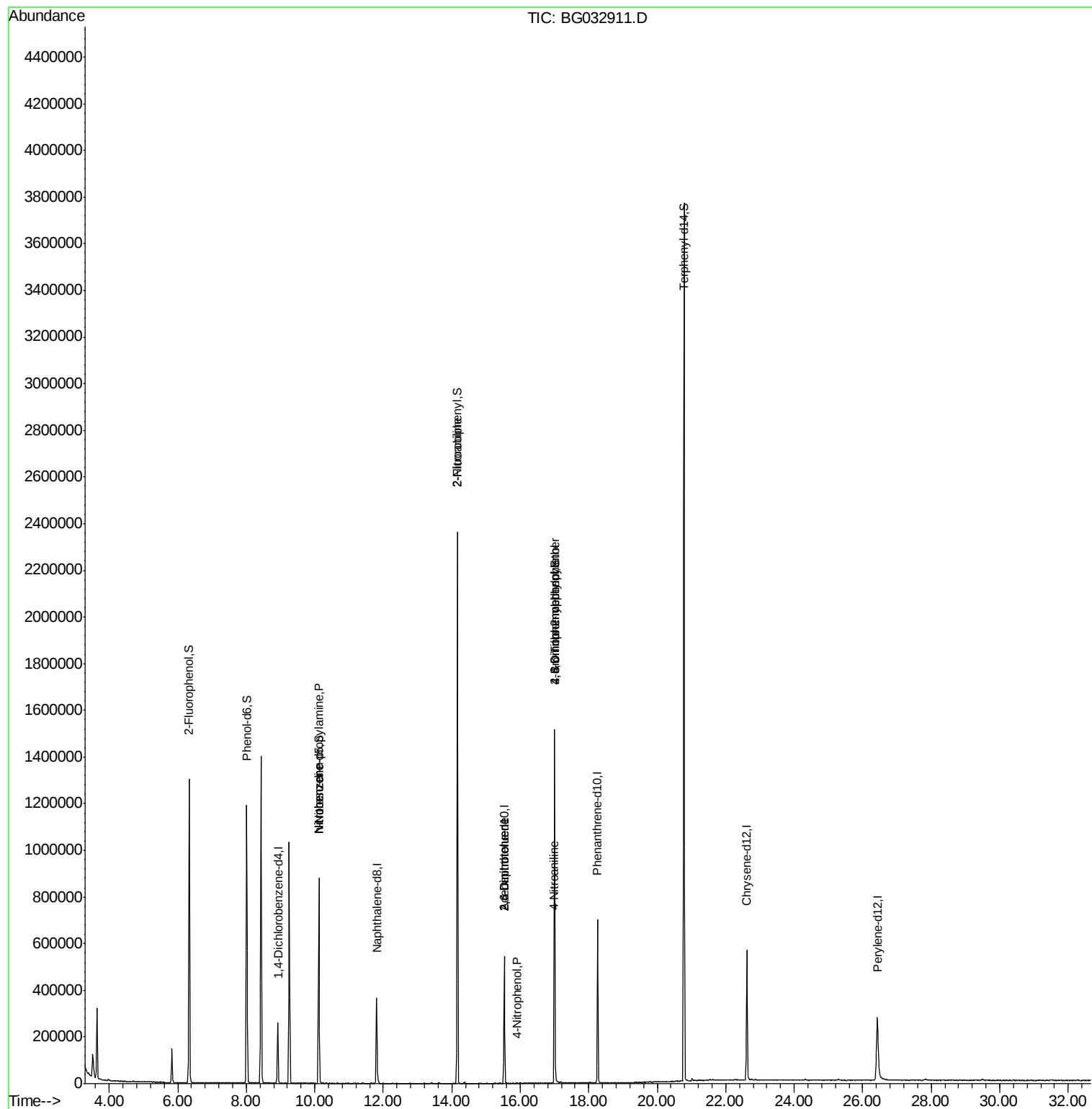
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	71541	15.020	ng	# 82
24) Nitrobenzene	10.12	77	1711	6.654	ng	# 52
47) 2-Nitroaniline	14.16	65	2240	10.405	ng	# 17
50) 2,6-Dinitrotoluene	15.53	165	24677	16.420	ng	# 21
55) 4-Nitrophenol	15.92	139	111	7.119	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	24677	14.618	ng	# 18
61) 4-Nitroaniline	16.98	138	64	5.316	ng	# 1
64) 4,6-Dinitro-2-methylphenol	17.00	198	745	5.698	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	19701	4.410	ng	# 1

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

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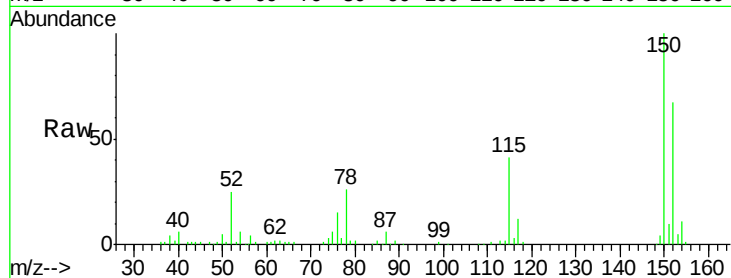


#1

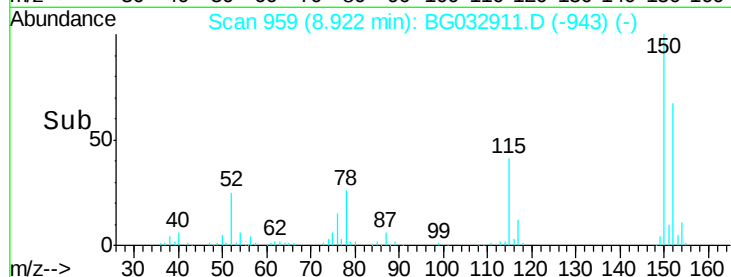
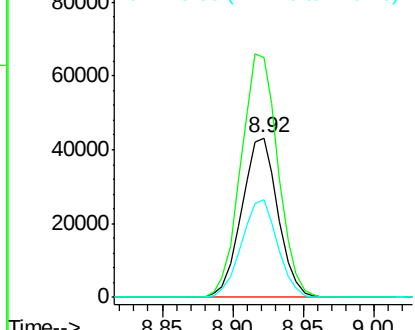
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 77437
Ion Ratio Lower Upper
152 100
150 150.2 126.6 189.8
115 61.4 53.0 79.4



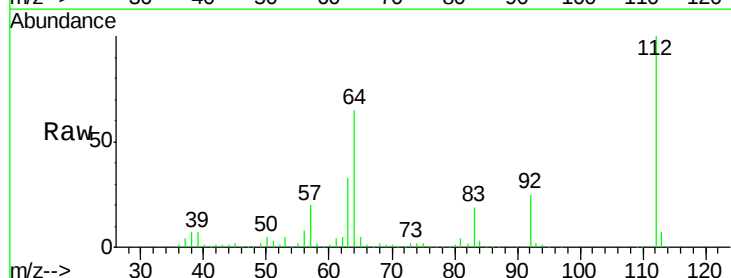
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



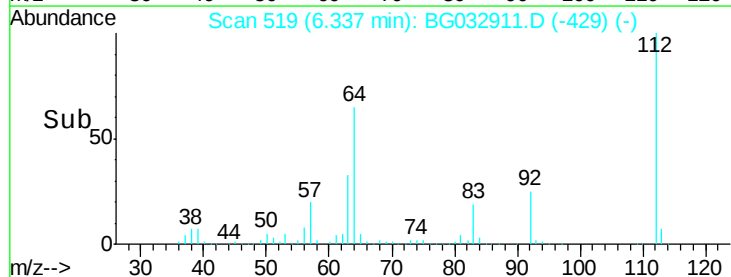
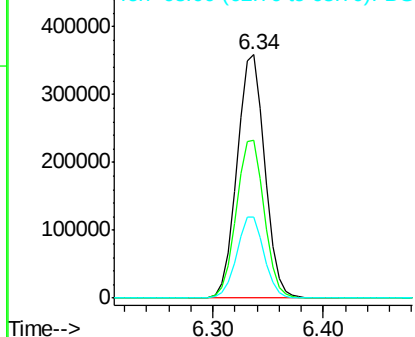
#5

2-Fluorophenol
Concen: 131.060 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.00 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Tgt Ion:112 Resp: 634364
Ion Ratio Lower Upper
112 100
64 64.8 56.3 84.5
63 33.1 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: 113.941 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

Instrument :
BNA_G
ClientSampled :

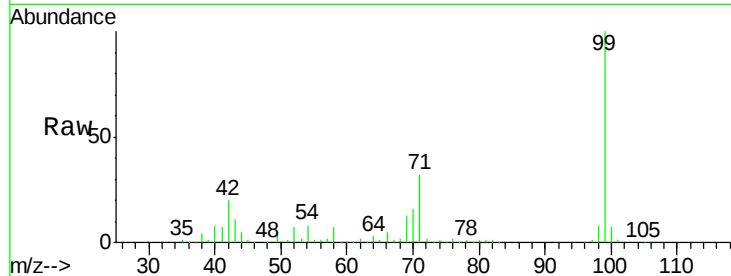
Tot Ion: 99 Resp: 768721

Ion Ratio Lower Upper

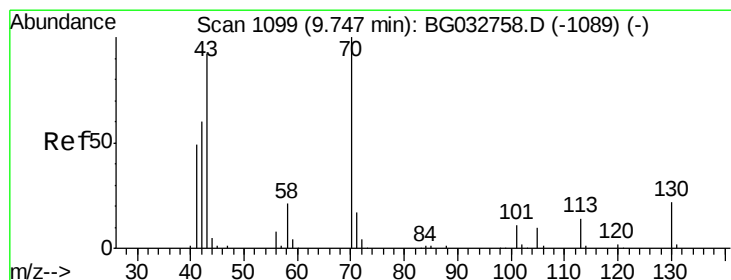
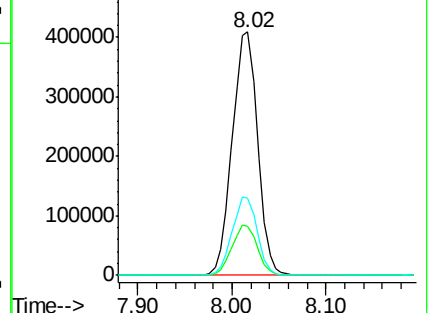
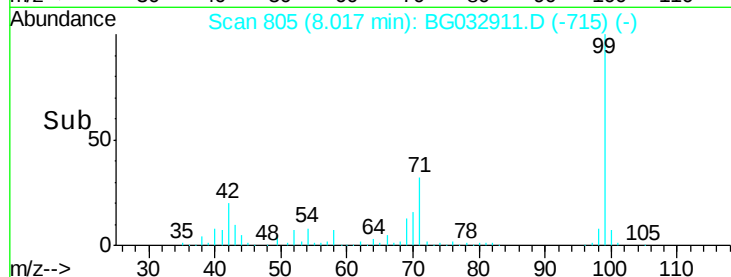
99 100

42 20.1 14.1 21.1

71 31.9 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: 15.020 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

Tgt Ion: 70 Resp: 71541

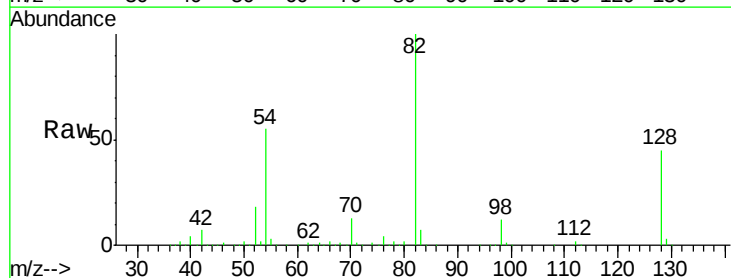
Ion Ratio Lower Upper

70 100

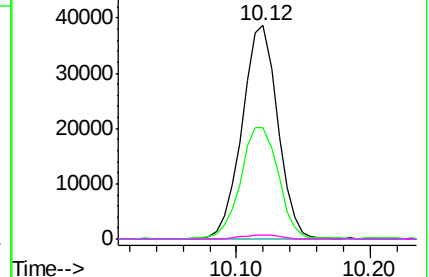
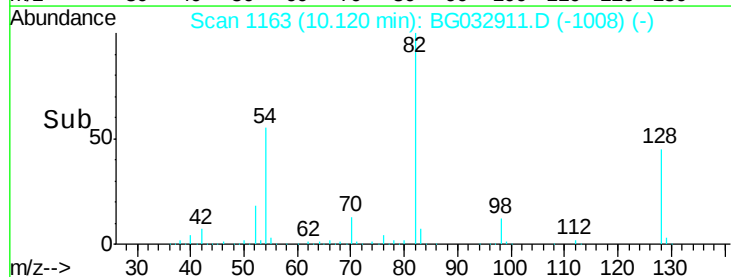
42 52.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 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

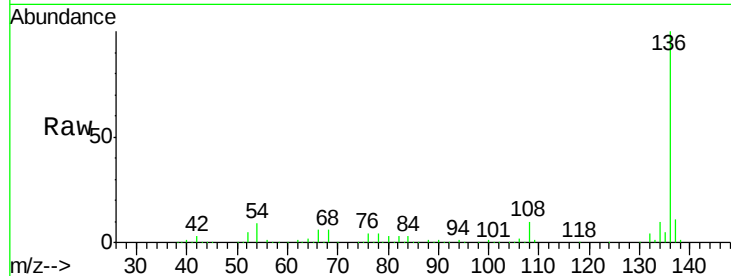




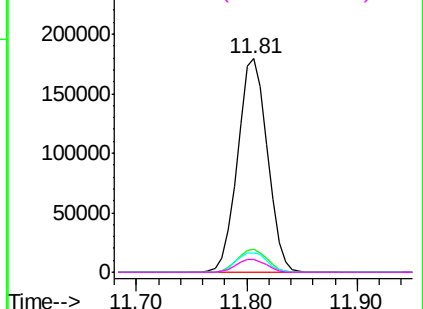
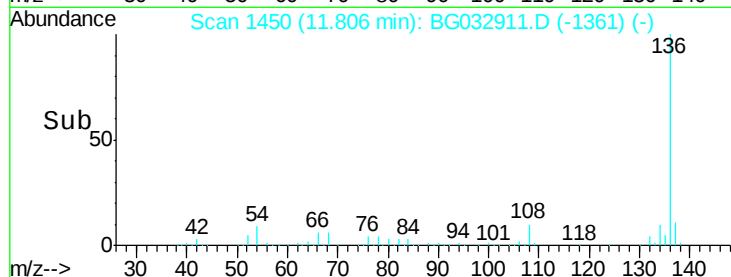
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	339639
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	8.9	10.3 15.5#
68	6.1	4.5 6.7

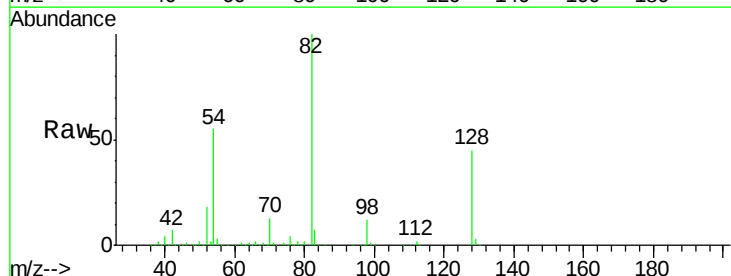


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

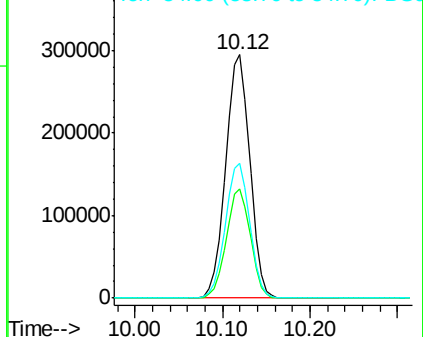
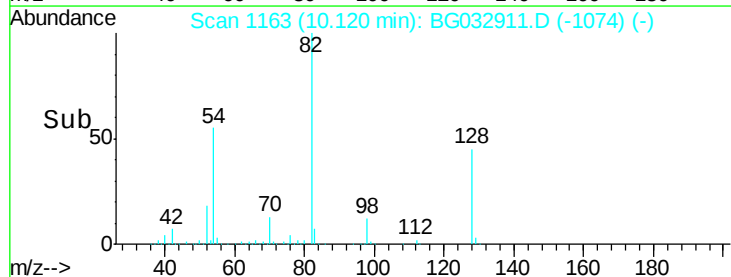


#23
Nitrobenzene-d5
Concen: 109.515 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Tgt Ion: 82	Resp:	551837
Ion Ratio	Lower	Upper
82	100	
128	44.8	29.7 44.5#
54	55.4	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: 6.654 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

Instrument :

BNA_G

ClientSampleId :

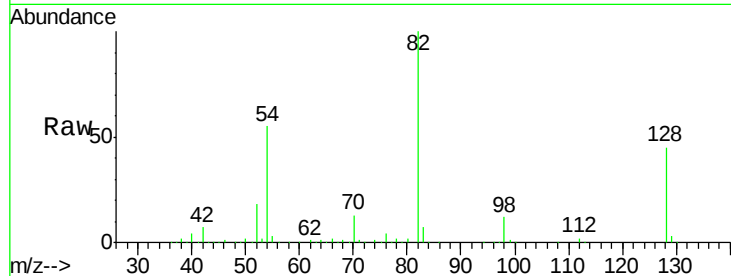
Tot Ion: 77 Resp: 1711

Ion Ratio Lower Upper

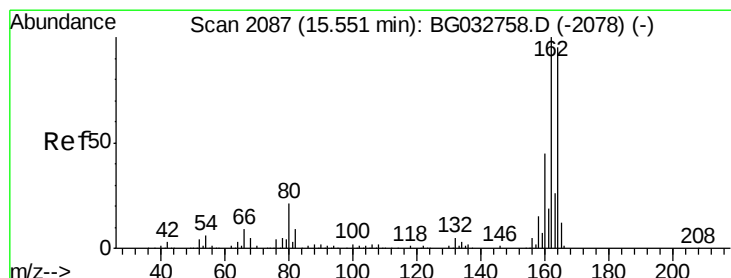
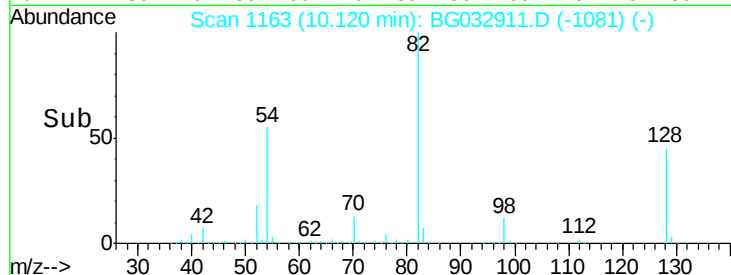
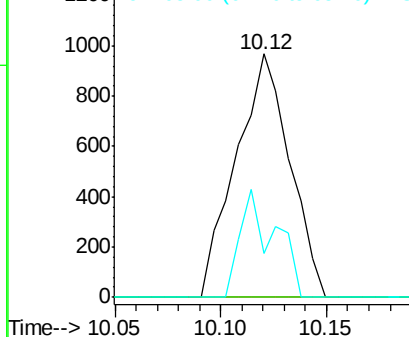
77 100

123 0.0 33.0 49.6#

65 18.2 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. -0.01 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

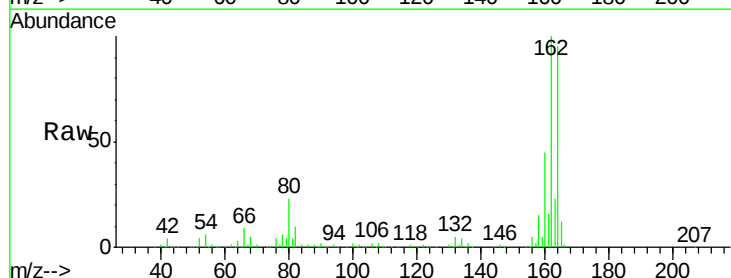
Tgt Ion:164 Resp: 190159

Ion Ratio Lower Upper

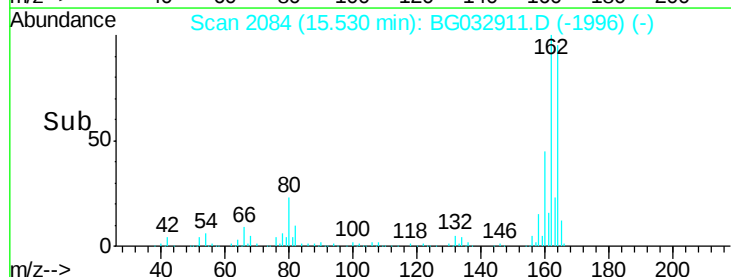
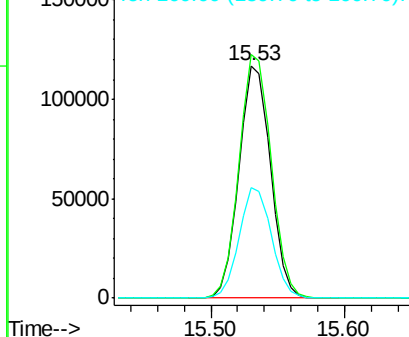
164 100

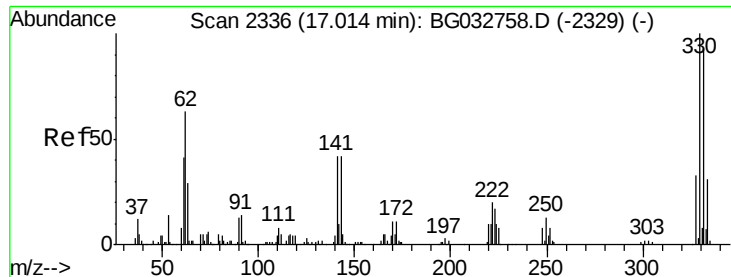
162 104.8 78.8 118.2

160 47.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

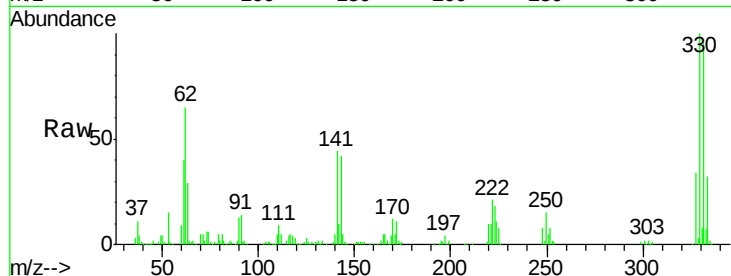




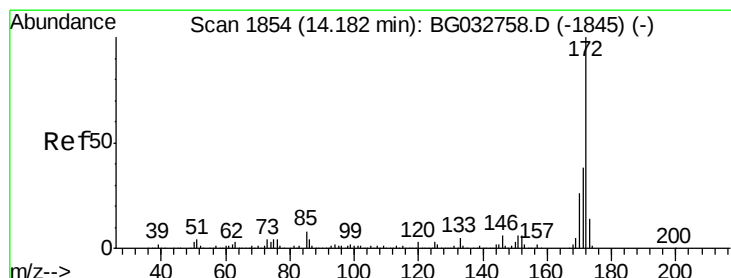
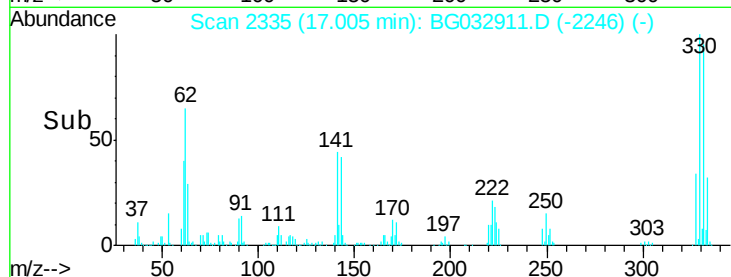
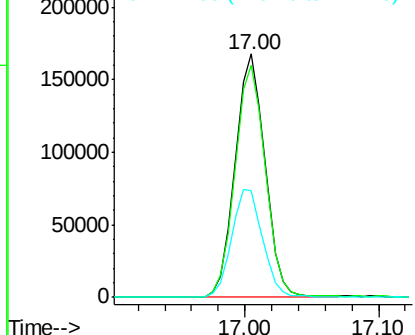
#41
 2,4,6-Tribromophenol
 Concen: 130.977 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032911.D
 Acq: 1 Mar 2018 7:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 261883
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 46.3 25.2 37.8#

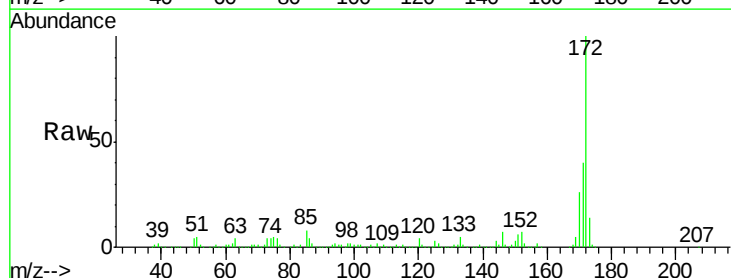


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

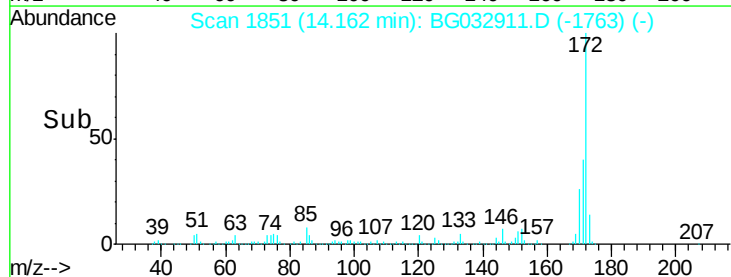
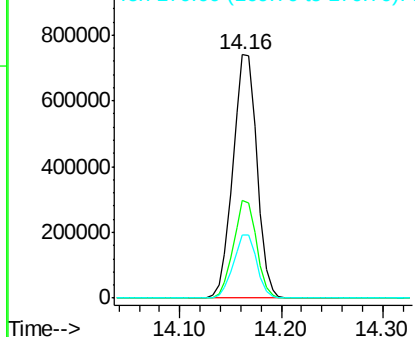


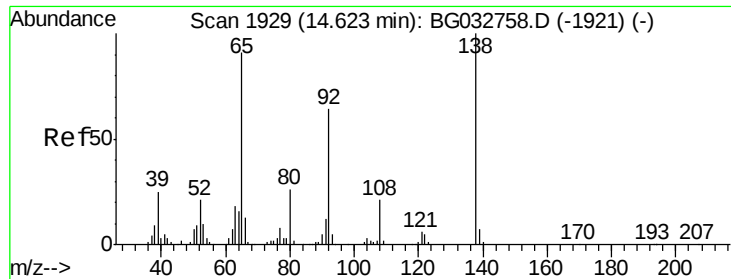
#44
 2-Fluorobiphenyl
 Concen: 91.936 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BG032911.D
 Acq: 1 Mar 2018 7:11

Tgt Ion:172 Resp: 1212162
 Ion Ratio Lower Upper
 172 100
 171 40.0 30.0 45.0
 170 26.0 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: 10.405 ng

RT: 14.16 min Scan# 1851

Delta R.T. -0.46 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

Instrument :

BNA_G

ClientSampleId :

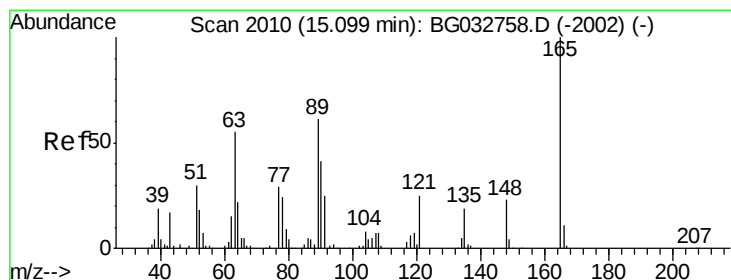
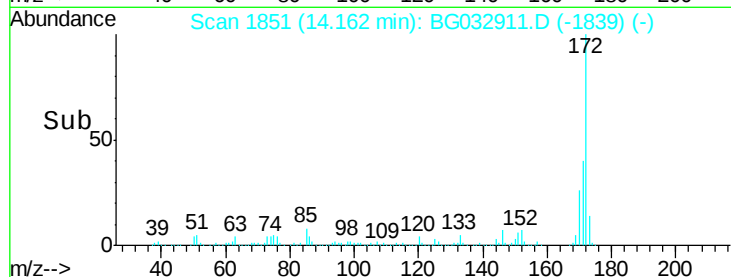
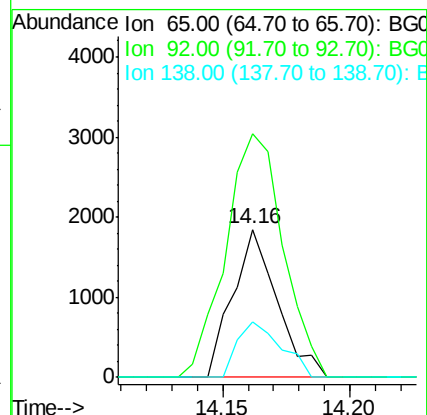
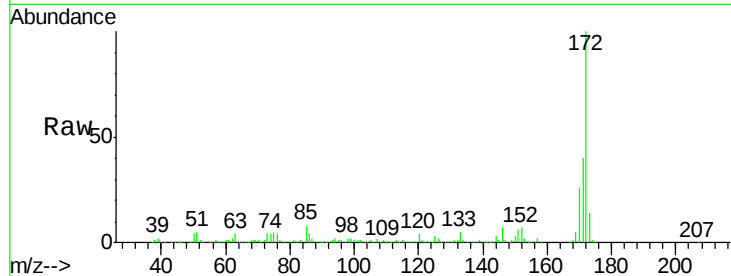
Tot Ion: 65 Resp: 2240

Ion Ratio Lower Upper

65 100

92 164.7 54.6 82.0#

138 37.6 72.9 109.3#



#50

2,6-Dinitrotoluene

Concen: 16.420 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.44 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

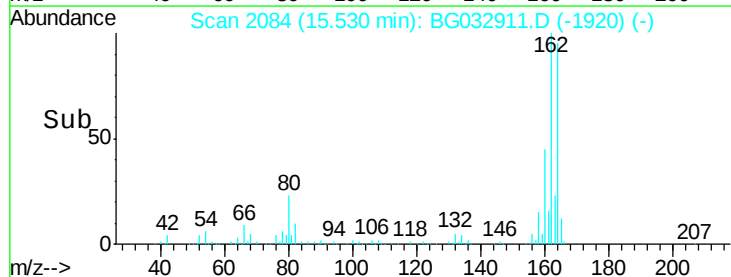
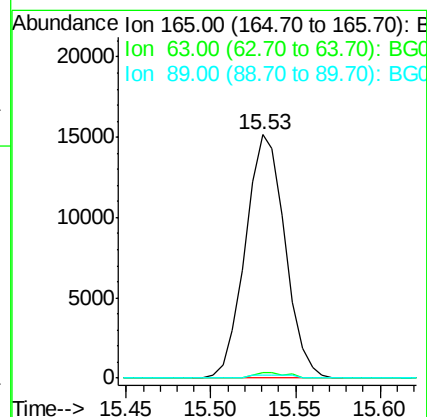
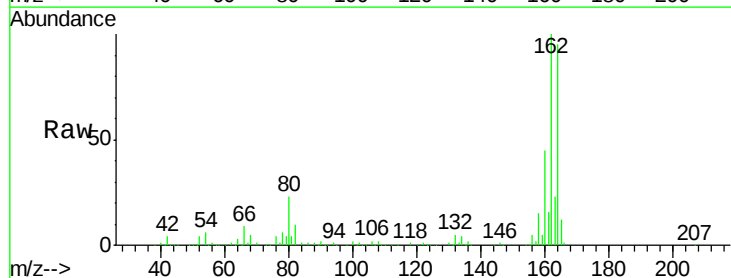
Tgt Ion:165 Resp: 24677

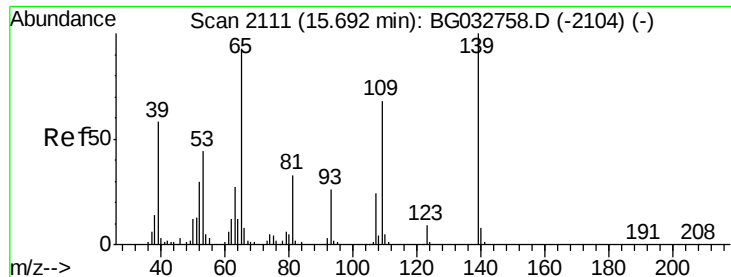
Ion Ratio Lower Upper

165 100

63 2.2 52.7 79.1#

89 1.2 49.2 73.8#

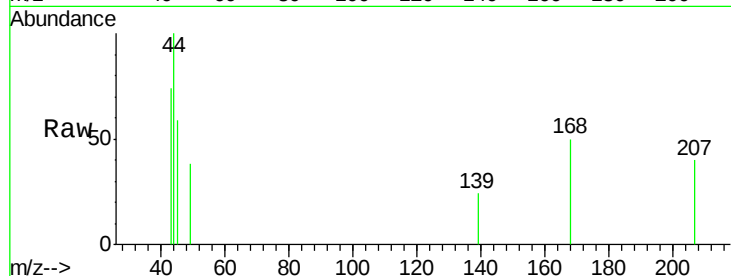




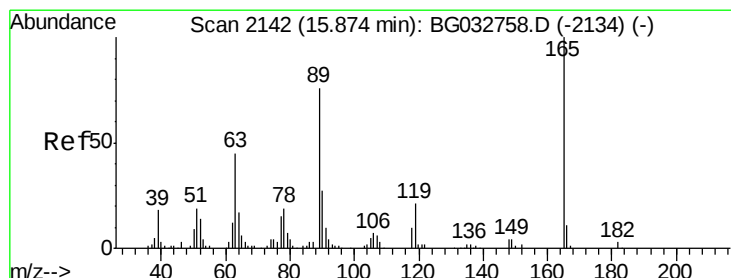
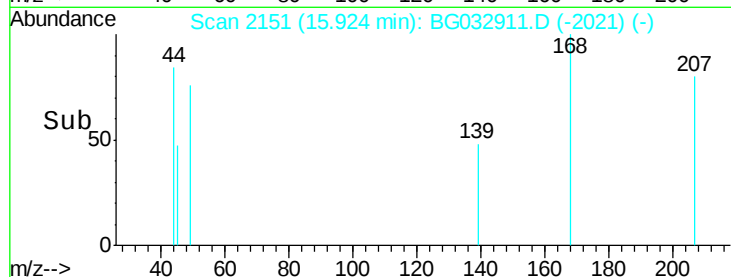
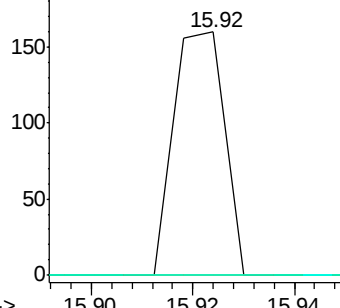
#55
4-Nitrophenol
Concen: 7.119 ng
RT: 15.92 min Scan# 2151
Delta R.T. 0.24 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 111
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

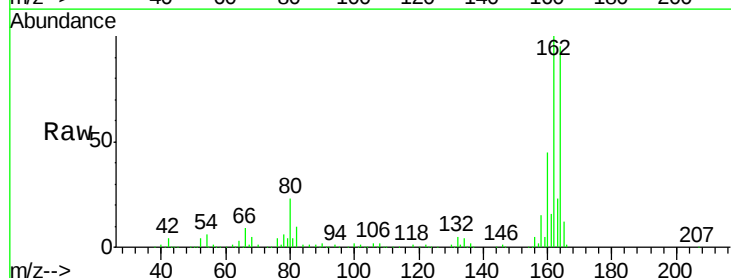


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

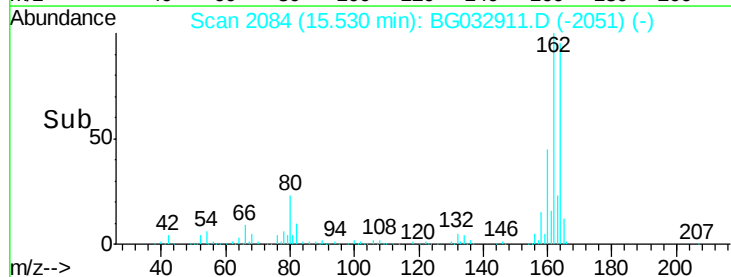
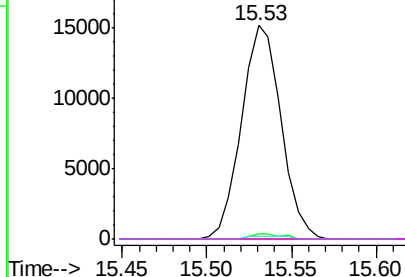


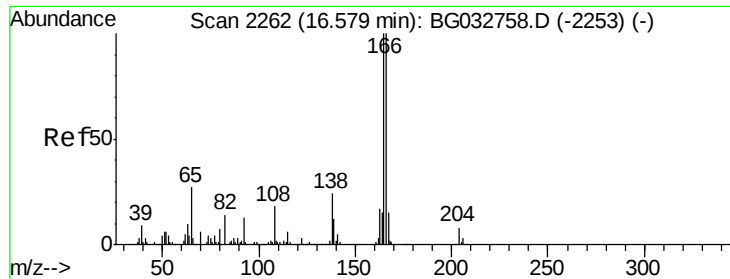
#56
2,4-Dinitrotoluene
Concen: 14.618 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.33 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Tgt Ion:165 Resp: 24677
Ion Ratio Lower Upper
165 100
63 2.2 42.0 63.0#
89 1.2 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): B
Ion 89.00 (88.70 to 89.70): B
Ion 182.00 (181.70 to 182.70): E





#61

4-Nitroaniline

Concen: 5.316 ng

RT: 16.98 min Scan# 2331

Delta R.T. 0.41 min

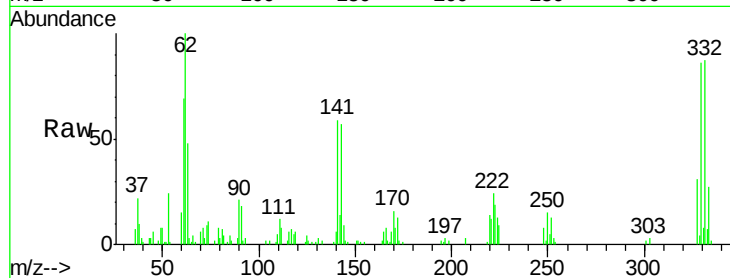
Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

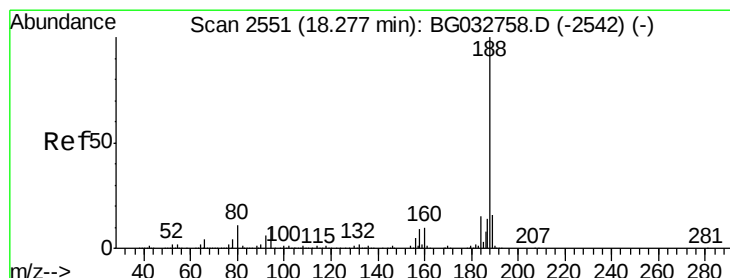
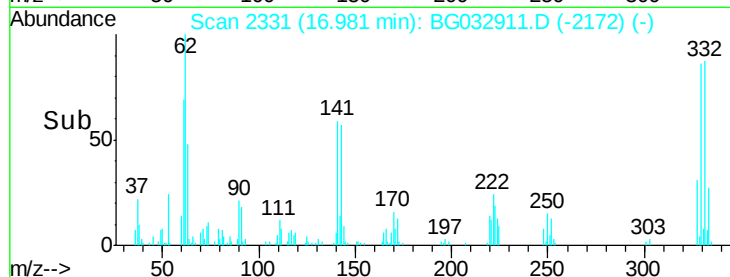
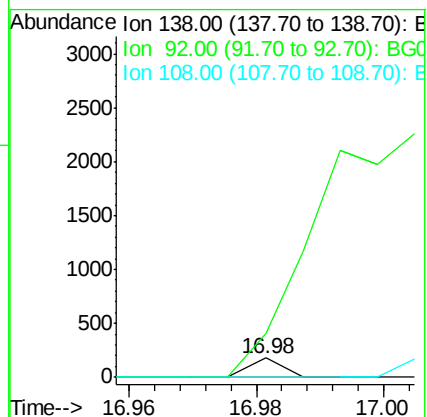
Instrument :

BNA_G

ClientSampled :



Tot Ion:	138	Resp:	64
Ion	Ratio	Lower	Upper
138	100		
92	223.2	40.1	80.1#
108	0.0	65.4	105.4#



#63

Phenanthrene-d10

Concen: 20.000 ng

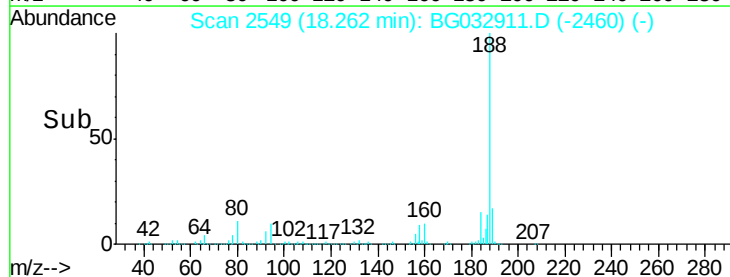
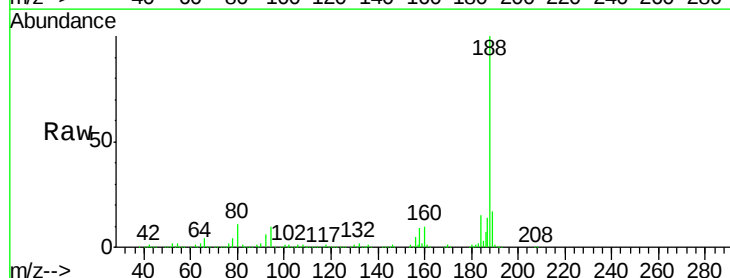
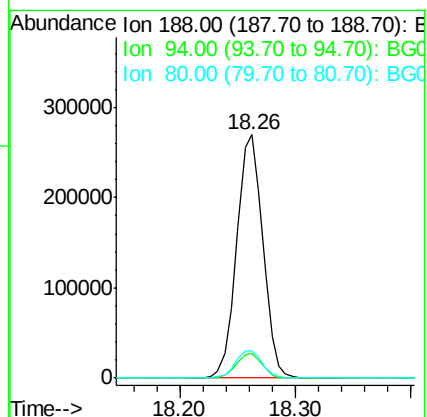
RT: 18.26 min Scan# 2549

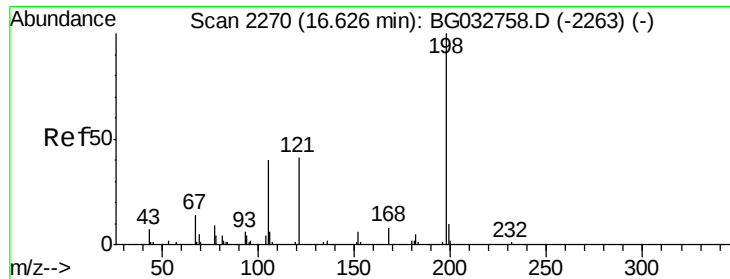
Delta R.T. -0.00 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

Tgt Ion:	188	Resp:	422500
Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.9	10.3
80	11.4	7.7	11.5





#64

4,6-Dinitro-2-methylphenol

Concen: 5.698 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.38 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

Instrument :

BNA_G

ClientSampleId :

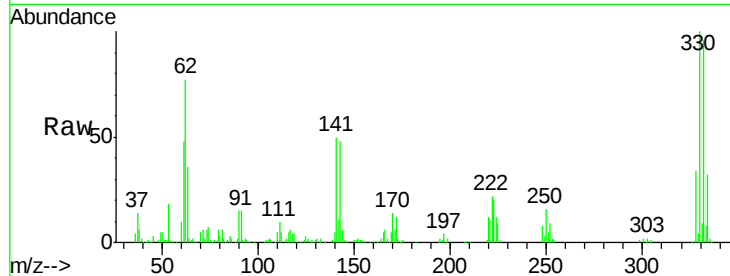
Tot Ion:198 Resp: 745

Ion Ratio Lower Upper

198 100

51 161.6 30.6 70.6#

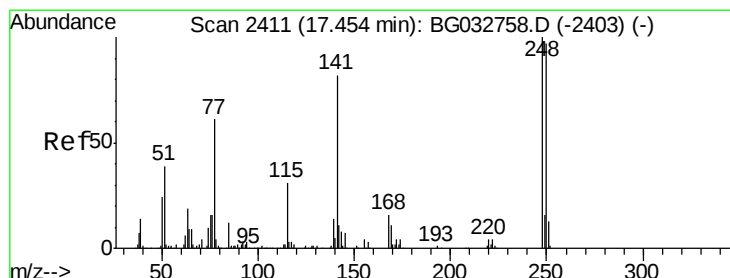
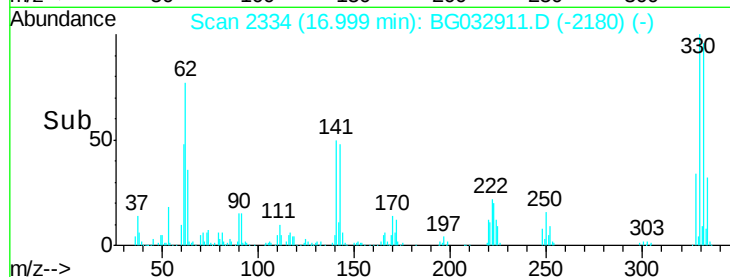
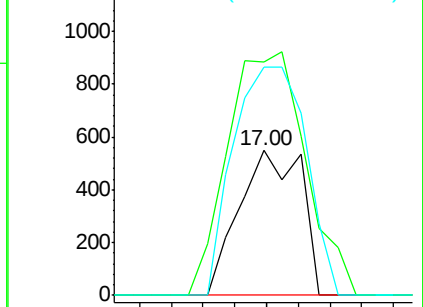
105 158.0 23.8 63.8#



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: 4.410 ng

RT: 17.00 min Scan# 2335

Delta R.T. -0.44 min

Lab File: BG032911.D

Acq: 1 Mar 2018 7:11

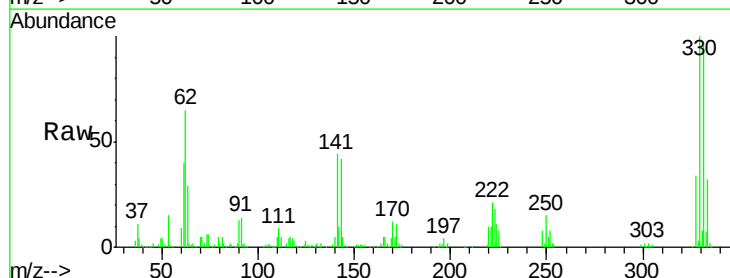
Tgt Ion:248 Resp: 19701

Ion Ratio Lower Upper

248 100

250 191.2 77.1 115.7#

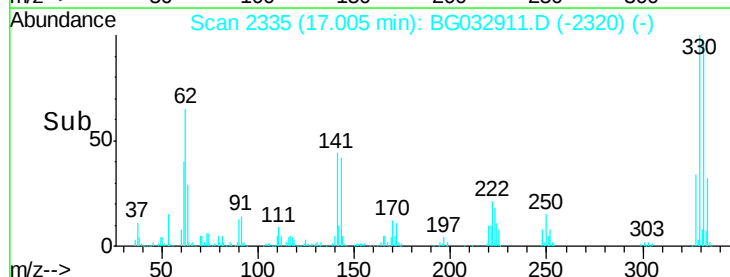
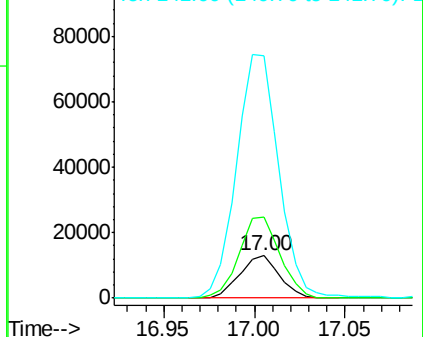
141 568.1 50.8 76.2#

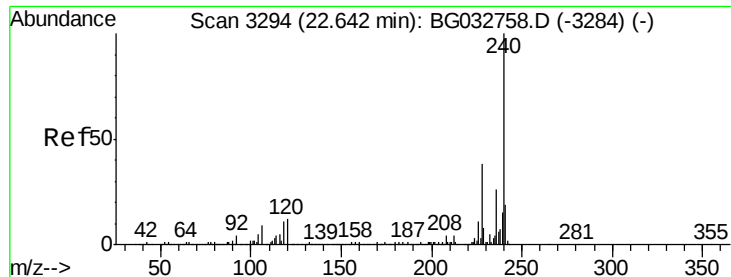


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

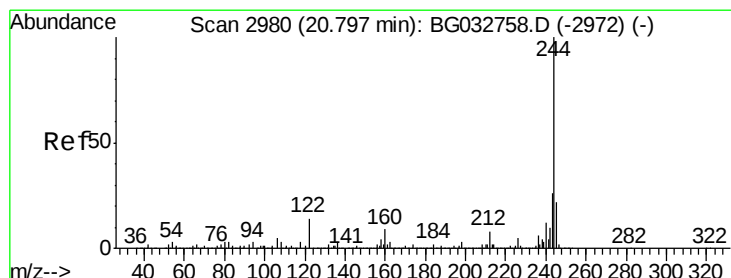
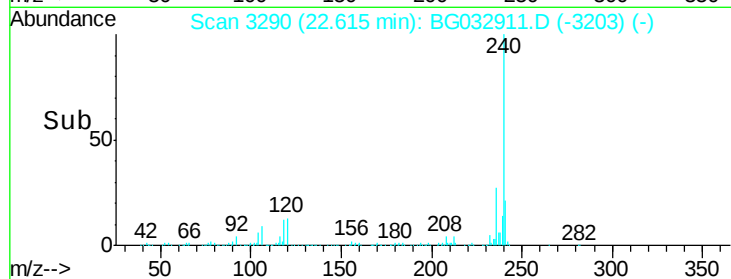
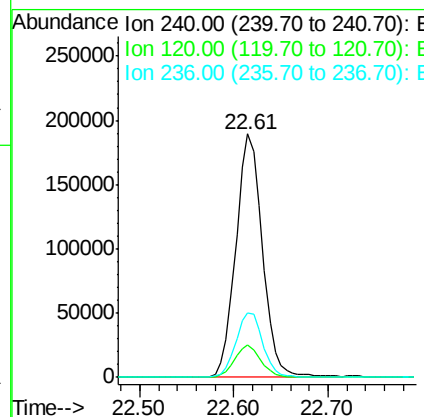
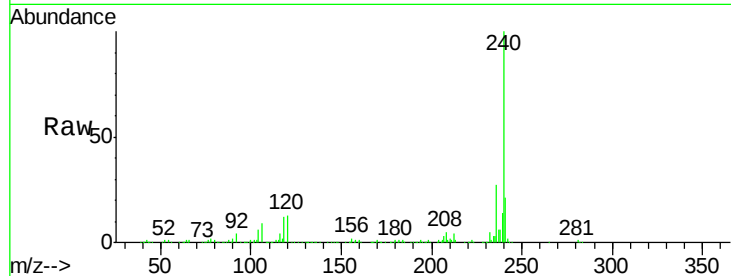




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3290
 Delta R.T. -0.02 min
 Lab File: BG032911.D
 Acq: 1 Mar 2018 7:11

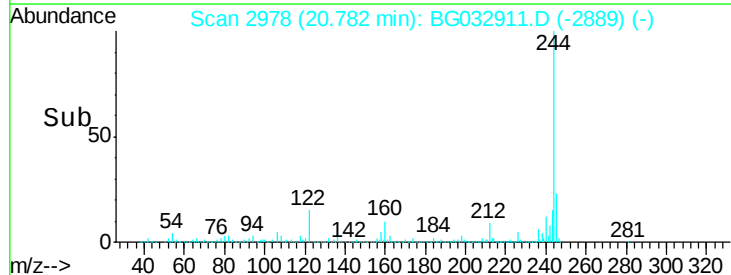
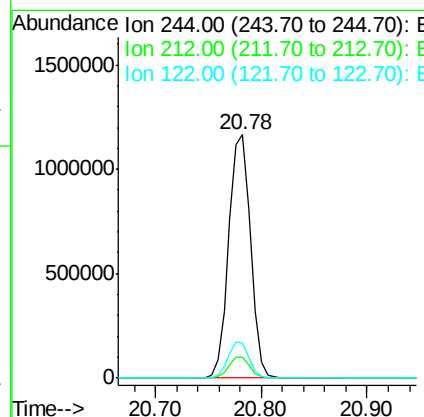
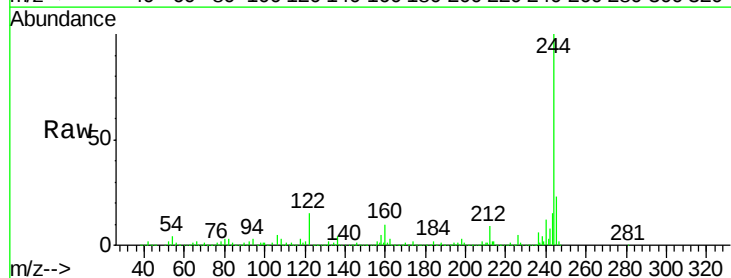
Instrument :
 BNA_G
 ClientSampleId :

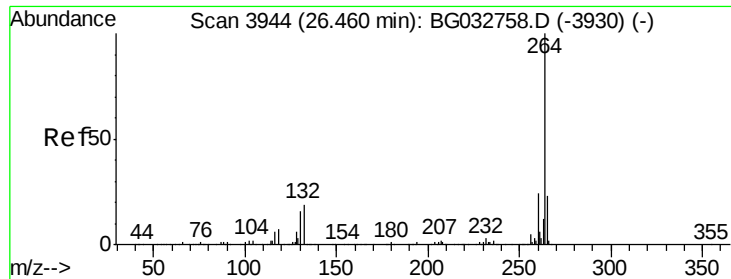
Tot Ion:240 Resp: 373677
 Ion Ratio Lower Upper
 240 100
 120 13.3 6.8 10.2#
 236 26.6 20.9 31.3



#78
 Terphenyl-d14
 Concen: 99.964 ng
 RT: 20.78 min Scan# 2978
 Delta R.T. -0.00 min
 Lab File: BG032911.D
 Acq: 1 Mar 2018 7:11

Tgt Ion:244 Resp: 1662610
 Ion Ratio Lower Upper
 244 100
 212 8.7 5.8 8.8
 122 14.5 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.43 min Scan# 3939
Delta R.T. -0.01 min
Lab File: BG032911.D
Acq: 1 Mar 2018 7:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.4	26.0
265	22.2	17.7	26.5

