

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022718\
 Data File : BG032867.D
 Acq On : 27 Feb 2018 22:57
 Operator : SJ/JU
 Sample : PB106879BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 28 02:41:52 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

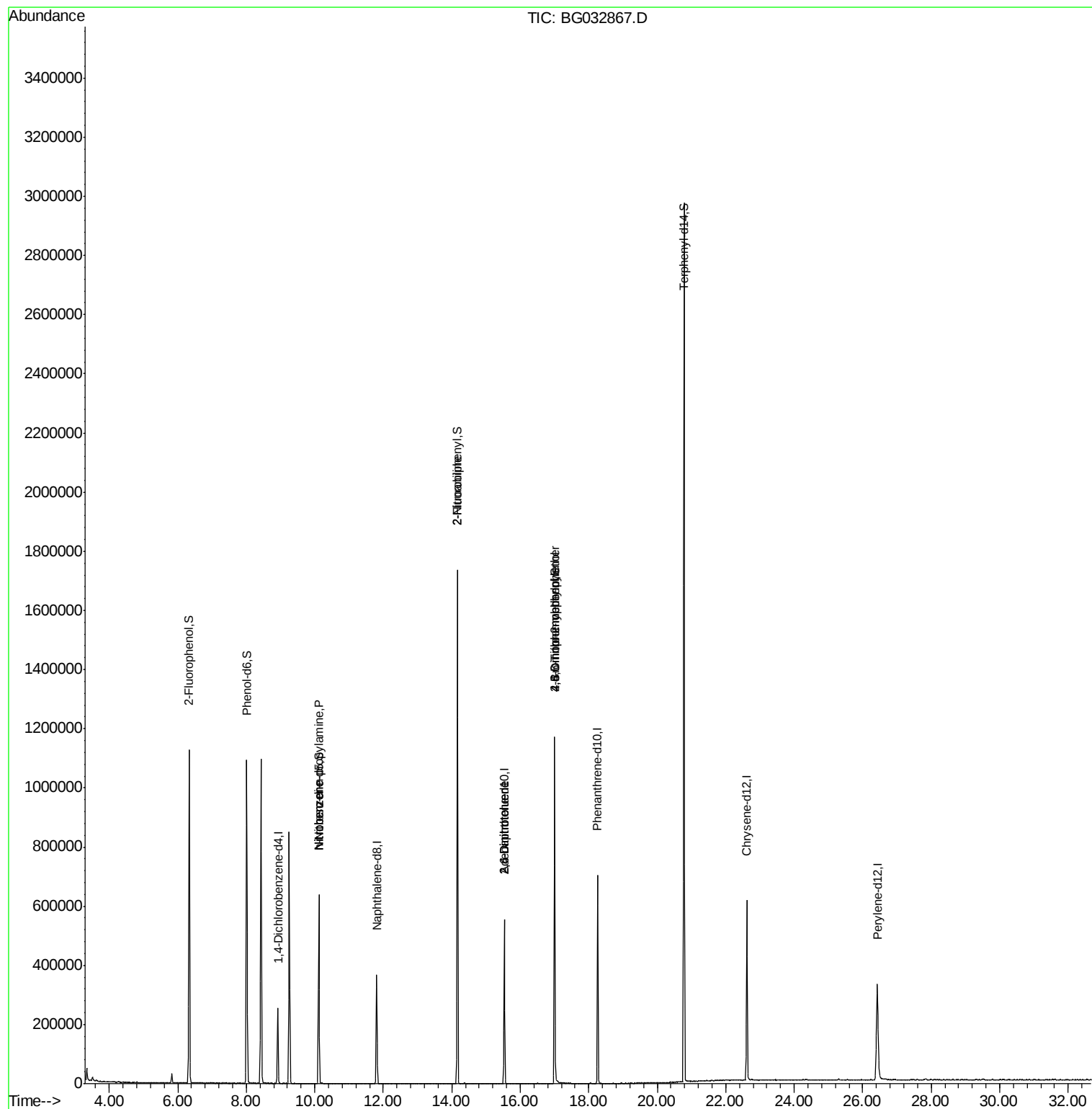
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	78375	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	334165	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	188451	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	429654	20.00	ng	0.00
75) Chrysene-d12	22.62	240	396343	20.00	ng	-0.02
86) Perylene-d12	26.42	264	409055	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	561184	114.55	ng	0.00
7) Phenol-d6	8.02	99	725157	106.20	ng	0.00
23) Nitrobenzene-d5	10.12	82	407744	84.71	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	211022	106.50	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	929195	71.11	ng	0.00
78) Terphenyl-d14	20.78	244	1326176	75.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.12	70	52163	10.82	ng	# 81
24) Nitrobenzene	10.12	77	1109	6.56	ng	# 42
47) 2-Nitroaniline	14.17	65	1753	10.28	ng	# 19
50) 2,6-Dinitrotoluene	15.54	165	24752	16.51	ng	# 21
56) 2,4-Dinitrotoluene	15.54	165	24752	14.71	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	603	5.55	ng	# 1
66) 4-Bromophenyl-phenylether	17.01	248	15032	3.31	ng	# 1

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

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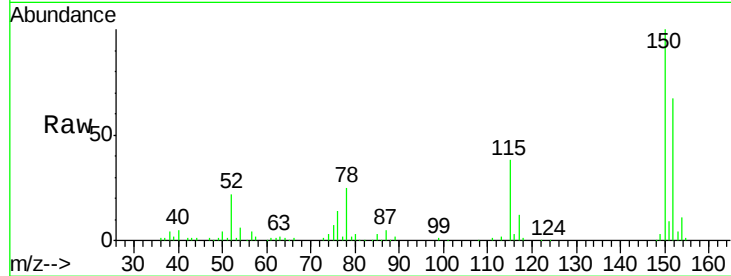


#1

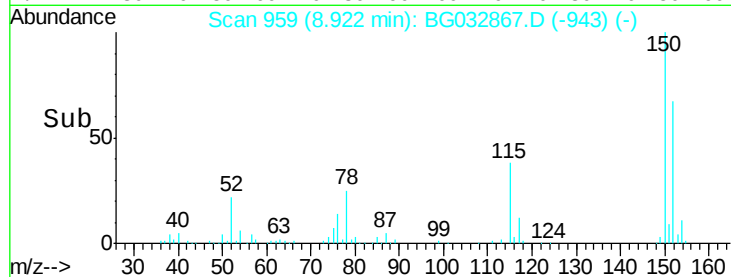
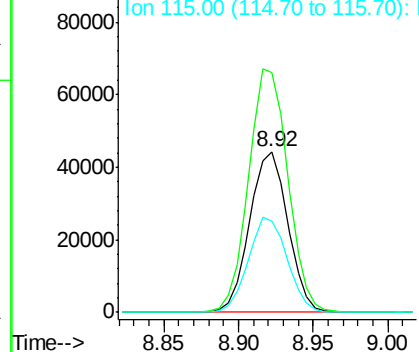
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 78375
Ion Ratio Lower Upper
152 100
150 149.4 126.6 189.8
115 56.8 53.0 79.4



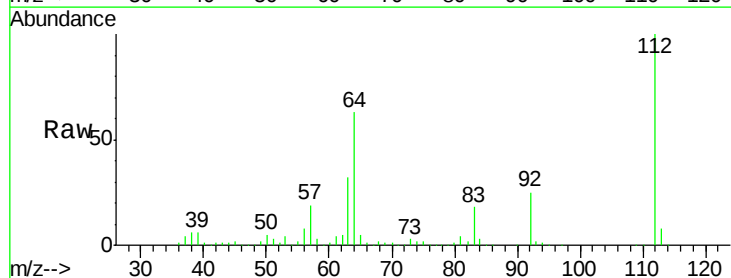
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



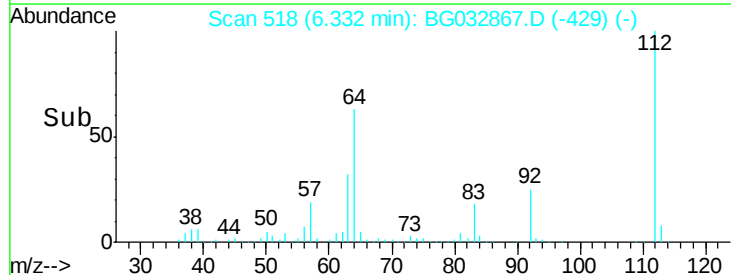
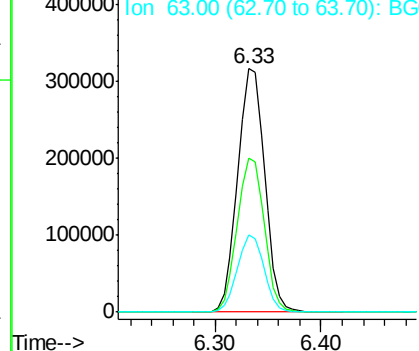
#5

2-Fluorophenol
Concen: 114.55 ng
RT: 6.33 min Scan# 518
Delta R.T. -0.00 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

Tgt Ion:112 Resp: 561184
Ion Ratio Lower Upper
112 100
64 63.3 56.3 84.5
63 31.7 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: 106.20 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.00 min

Lab File: BG032867.D

Acq: 27 Feb 2018 22:57

Instrument :
BNA_G
ClientSampled :

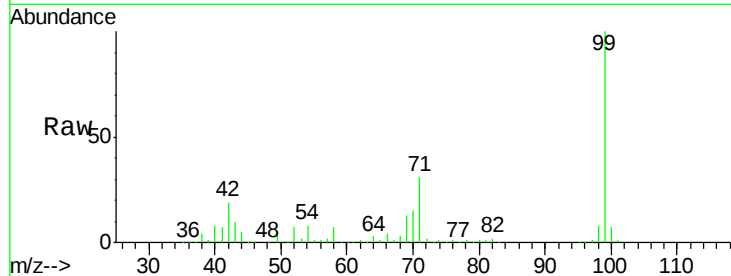
Tot Ion: 99 Resp: 725157

Ion Ratio Lower Upper

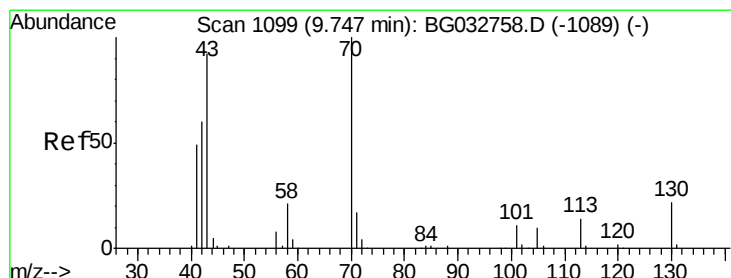
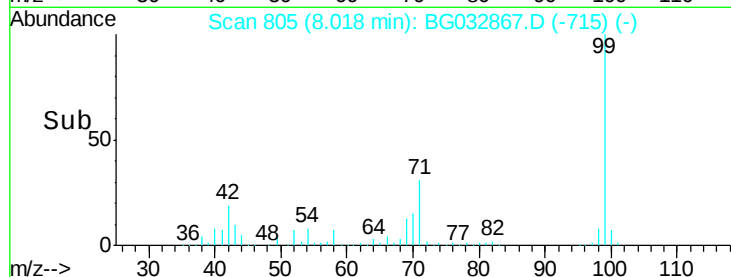
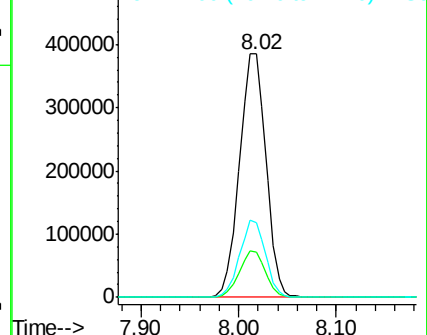
99 100

42 18.7 14.1 21.1

71 30.8 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: 10.82 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.38 min

Lab File: BG032867.D

Acq: 27 Feb 2018 22:57

Tgt Ion: 70 Resp: 52163

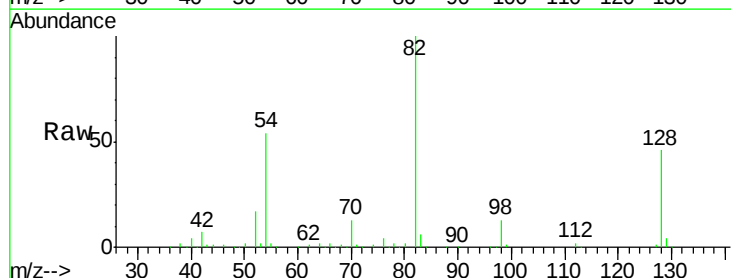
Ion Ratio Lower Upper

70 100

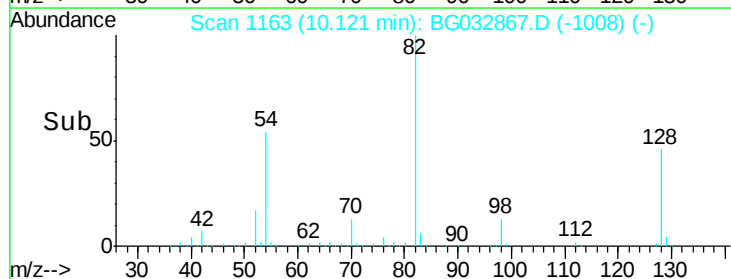
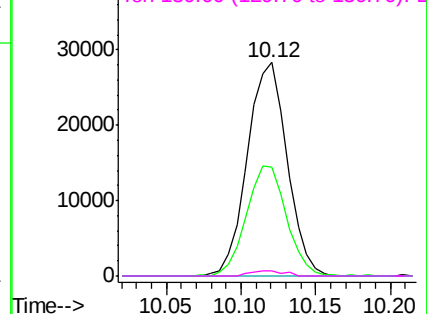
42 51.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 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

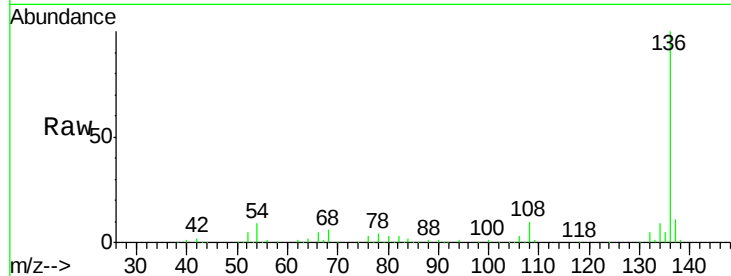




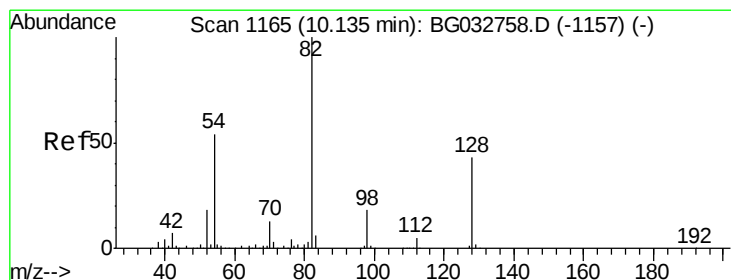
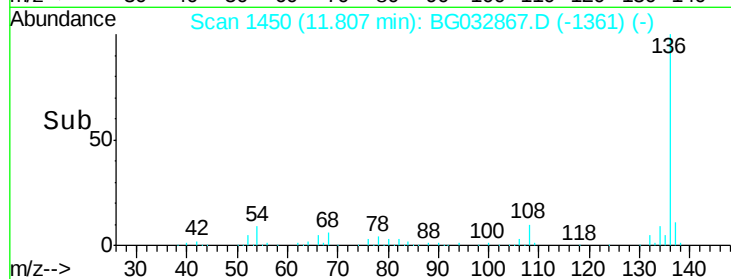
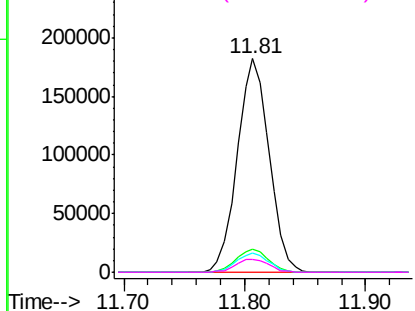
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.81 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	334165
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	8.7	10.3 15.5#
68	6.2	4.5 6.7

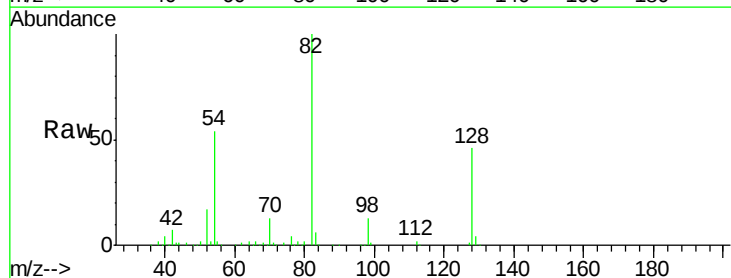


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

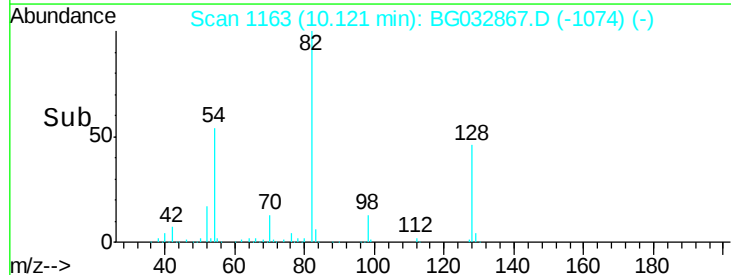
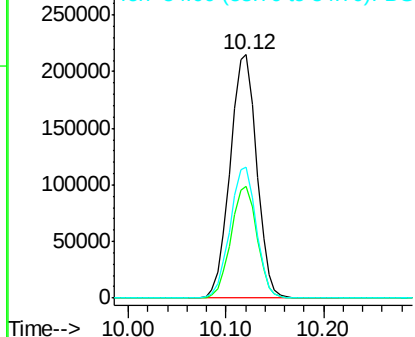


#23
Nitrobenzene-d5
Concen: 84.71 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

Tgt Ion: 82	Resp:	407744
Ion Ratio	Lower	Upper
82	100	
128	45.9	29.7 44.5#
54	53.5	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: 6.56 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032867.D

Acq: 27 Feb 2018 22:57

Instrument :

BNA_G

ClientSampled :

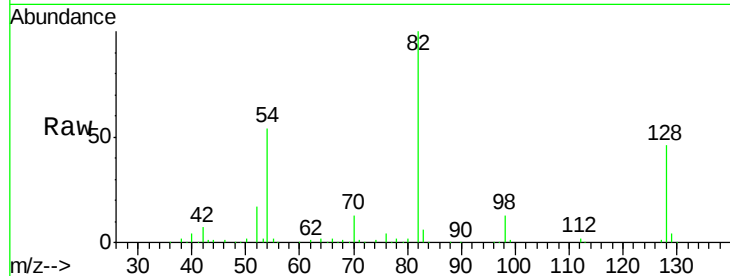
Tot Ion: 77 Resp: 1109

Ion Ratio Lower Upper

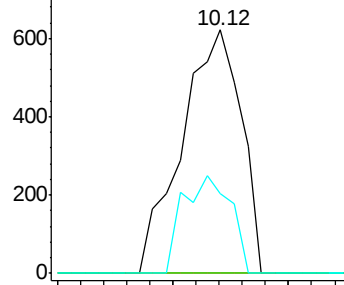
77 100

123 0.0 33.0 49.6#

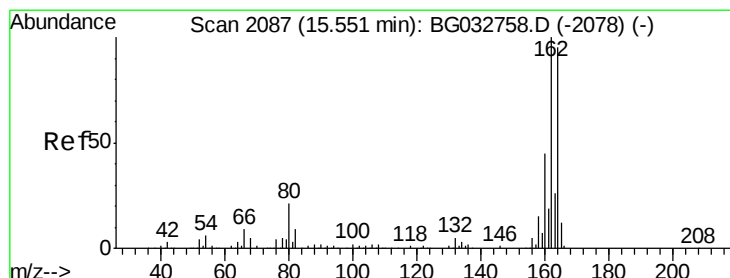
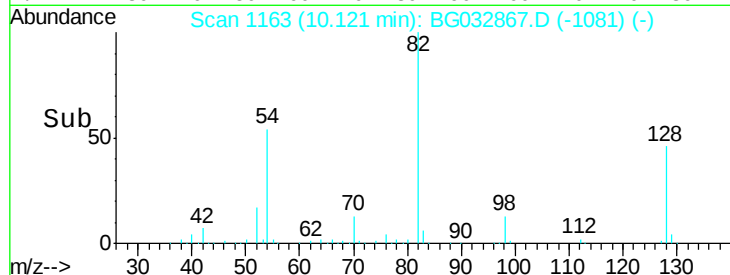
65 33.0 13.0 19.6#



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



Time--> 10.05 10.10 10.15



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.00 min

Lab File: BG032867.D

Acq: 27 Feb 2018 22:57

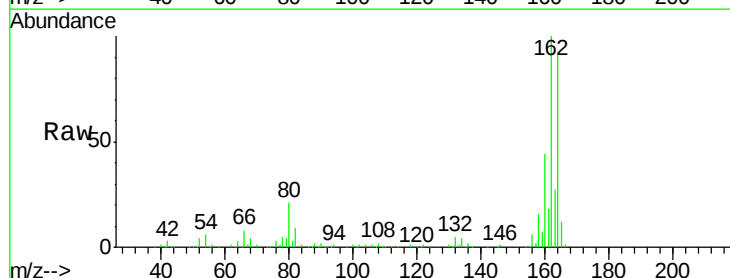
Tgt Ion:164 Resp: 188451

Ion Ratio Lower Upper

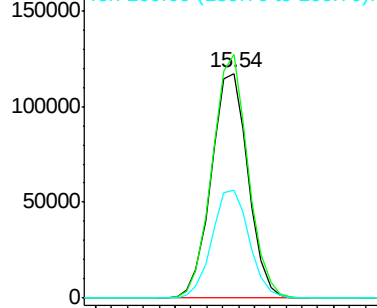
164 100

162 108.3 78.8 118.2

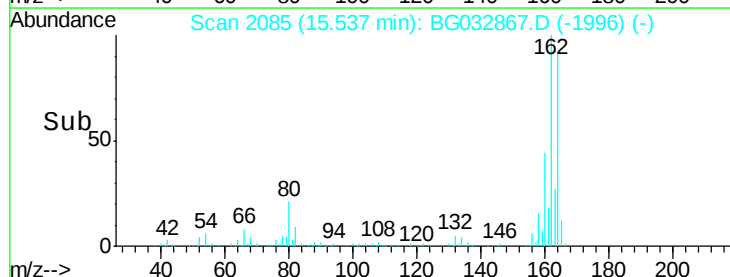
160 47.9 35.4 53.0

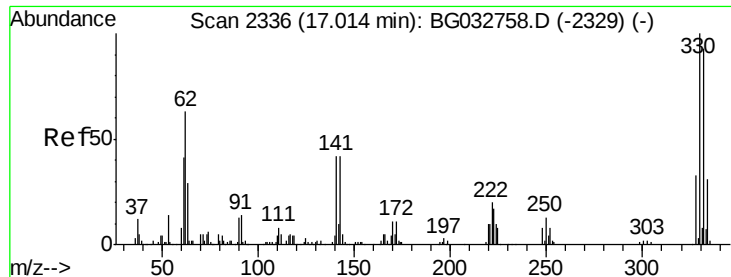


Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC



Time--> 15.45 15.50 15.55 15.60

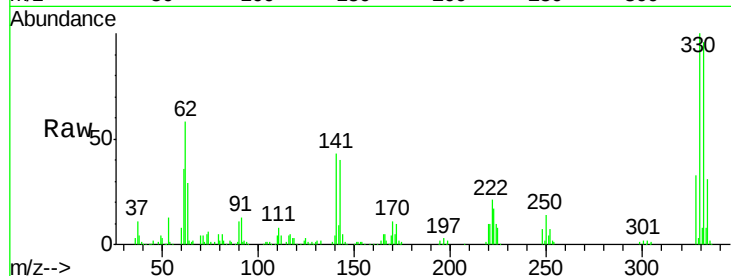




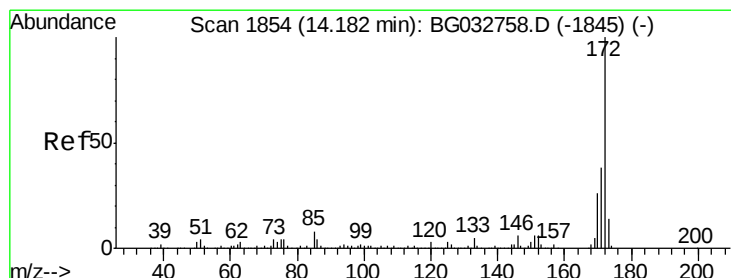
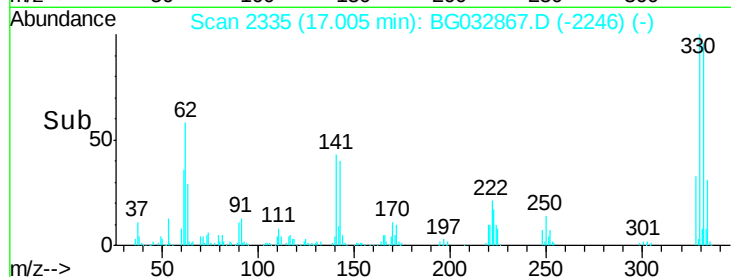
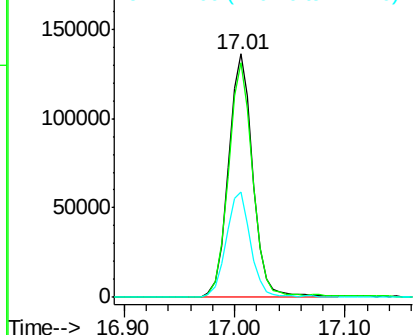
#41
 2,4,6-Tribromophenol
 Concen: 106.50 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032867.D
 Acq: 27 Feb 2018 22:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 211022
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 43.2 25.2 37.8#

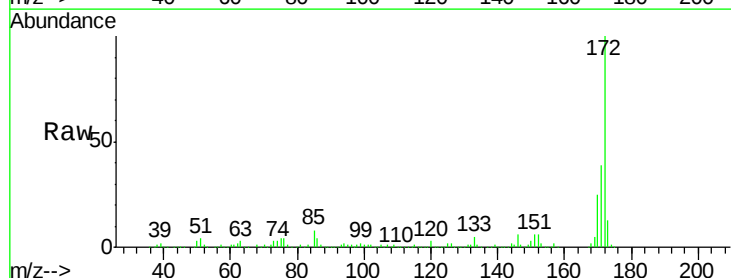


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

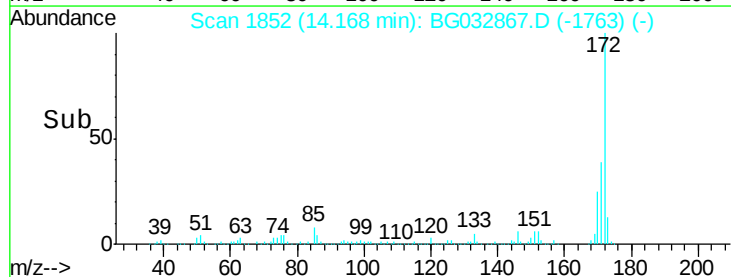
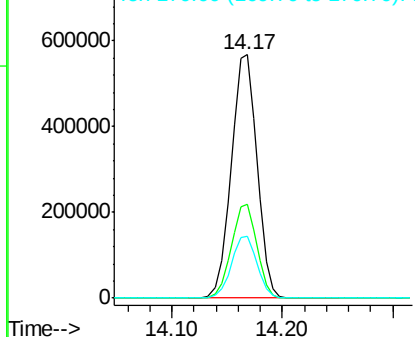


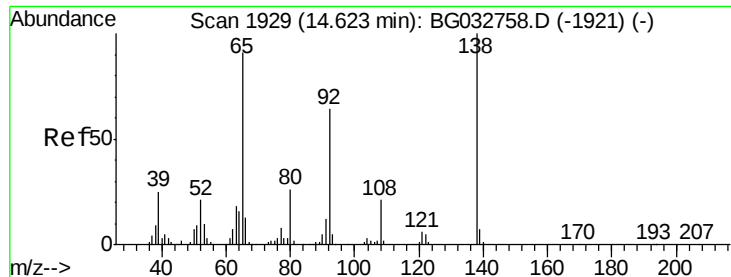
#44
 2-Fluorobiphenyl
 Concen: 71.11 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032867.D
 Acq: 27 Feb 2018 22:57

Tgt Ion:172 Resp: 929195
 Ion Ratio Lower Upper
 172 100
 171 38.6 30.0 45.0
 170 25.3 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

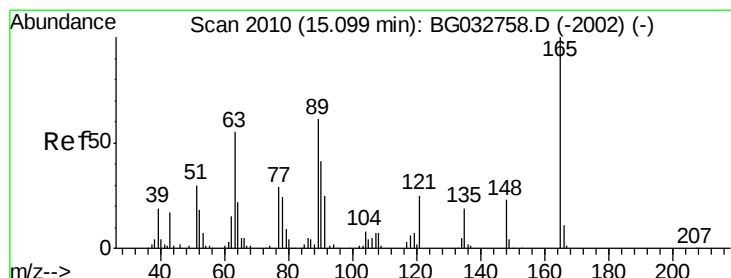
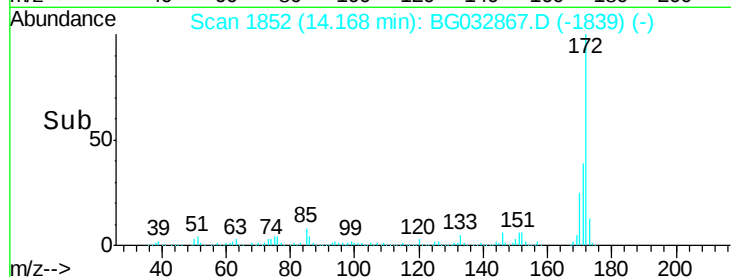
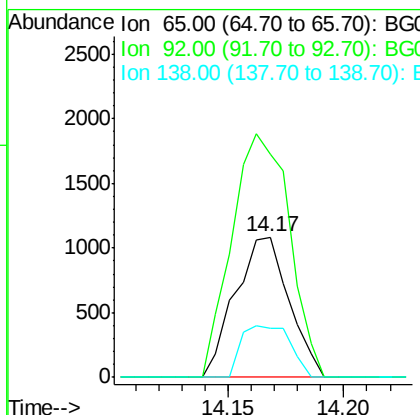
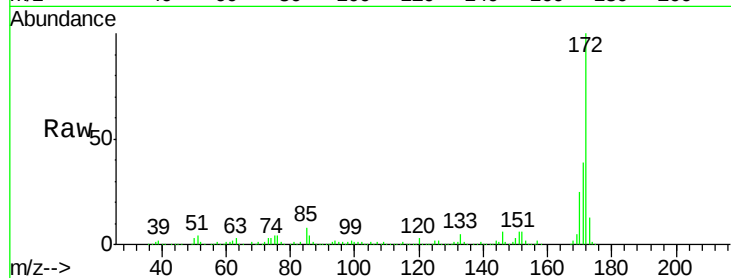




#47
2-Nitroaniline
Concen: 10.28 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.45 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

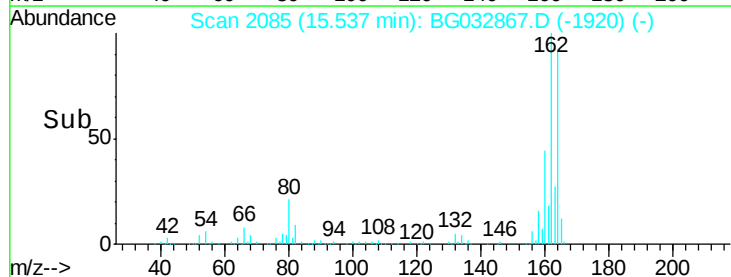
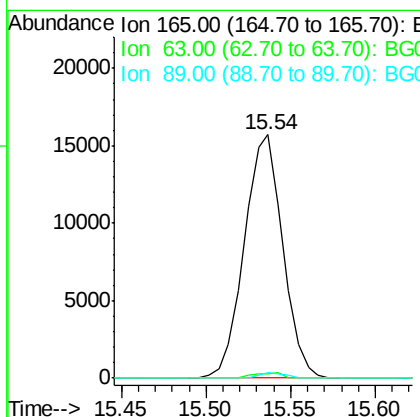
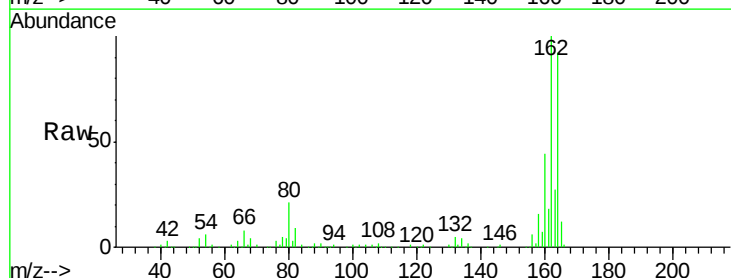
Instrument :
BNA_G
ClientSampled :

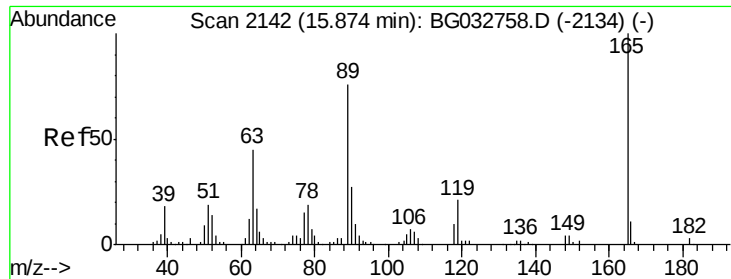
Tot Ion: 65 Resp: 1753
Ion Ratio Lower Upper
65 100
92 158.9 54.6 82.0#
138 35.4 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.51 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.44 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

Tgt Ion:165 Resp: 24752
Ion Ratio Lower Upper
165 100
63 1.7 52.7 79.1#
89 2.1 49.2 73.8#

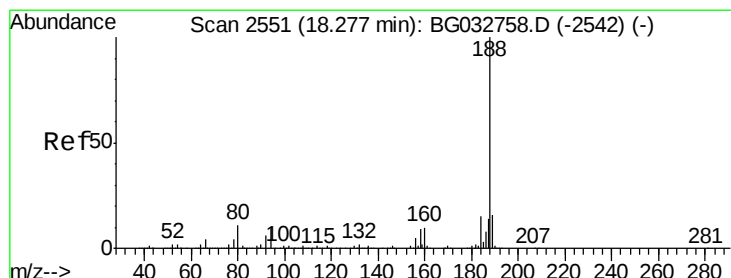
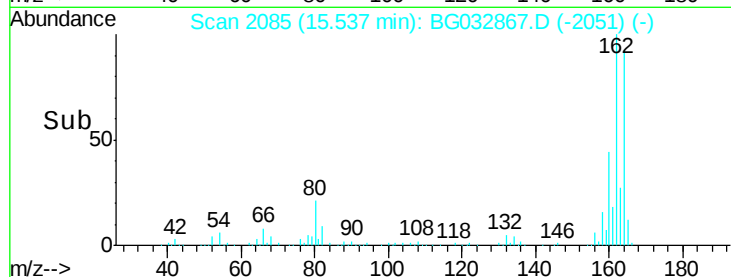
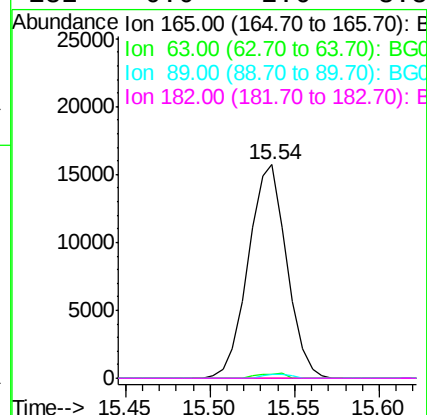
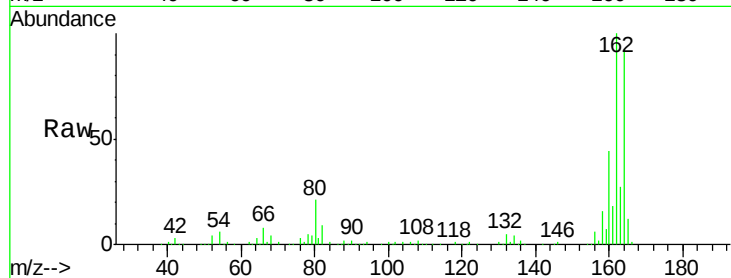




#56
 2,4-Dinitrotoluene
 Concen: 14.71 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.33 min
 Lab File: BG032867.D
 Acq: 27 Feb 2018 22:57

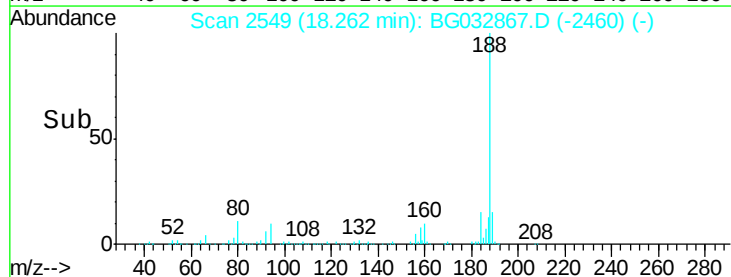
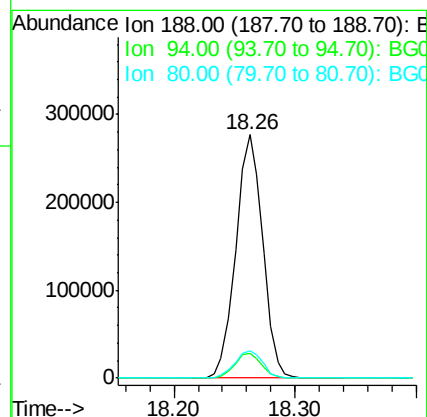
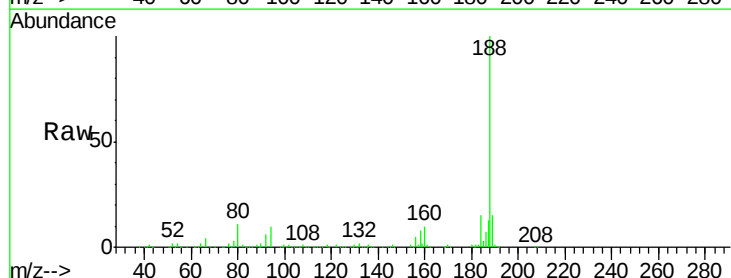
Instrument :
 BNA_G
 ClientSampled :

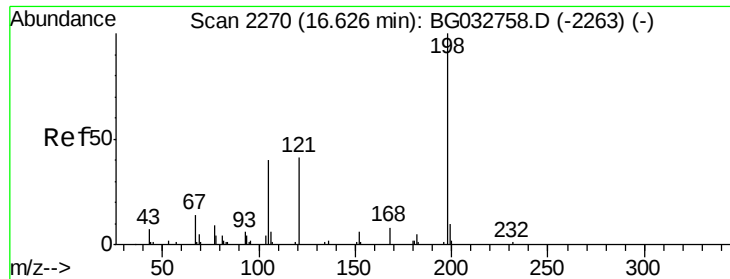
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	2.1	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: BG032867.D
 Acq: 27 Feb 2018 22:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	6.9	10.3
80	11.3	7.7	11.5

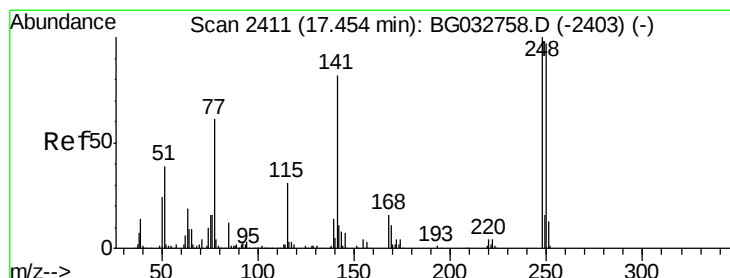
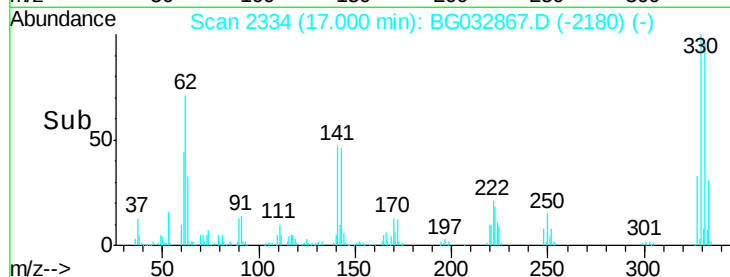
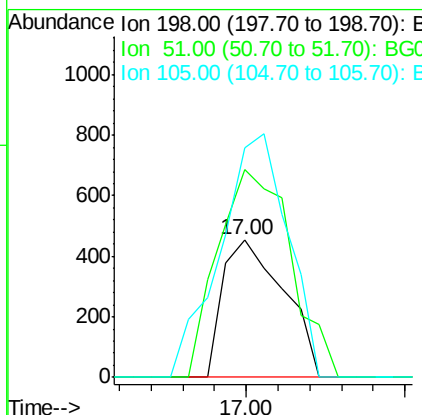
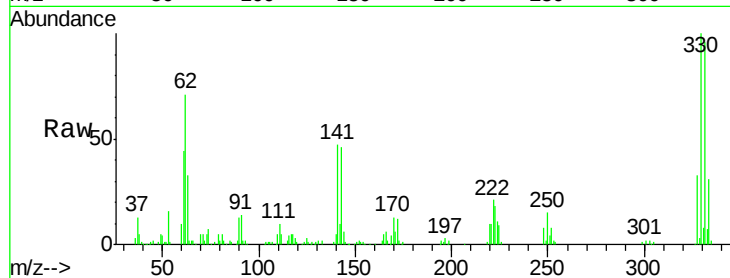




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.55 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.38 min
 Lab File: BG032867.D
 Acq: 27 Feb 2018 22:57

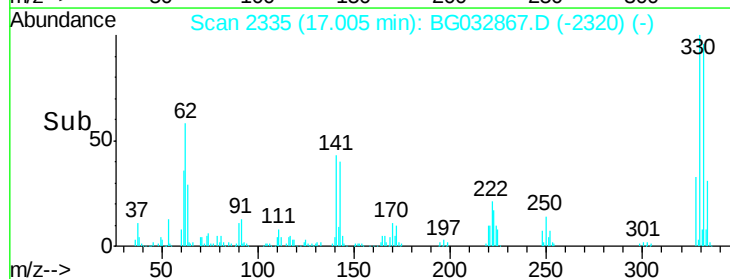
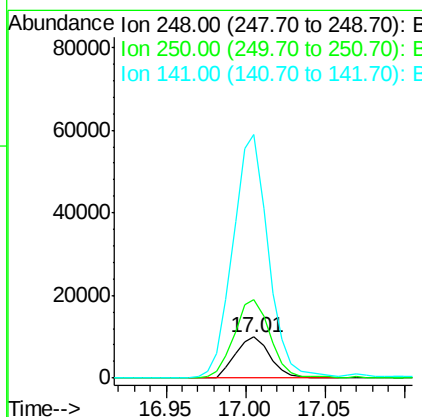
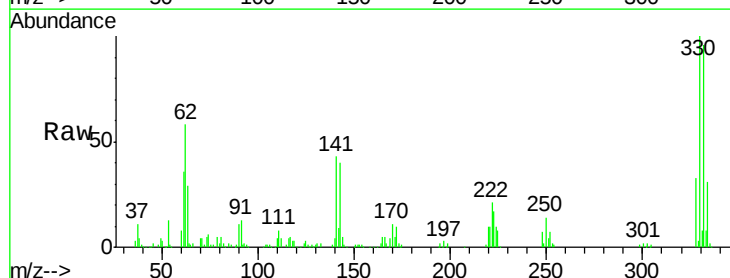
Instrument :
 BNA_G
 ClientSampleId :

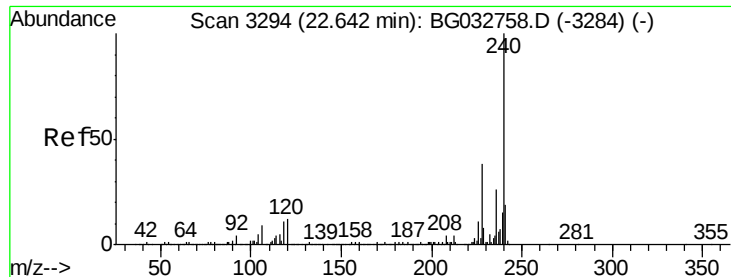
Tot Ion:198 Resp: 603
 Ion Ratio Lower Upper
 198 100
 51 150.7 30.6 70.6#
 105 166.0 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.31 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.44 min
 Lab File: BG032867.D
 Acq: 27 Feb 2018 22:57

Tgt Ion:248 Resp: 15032
 Ion Ratio Lower Upper
 248 100
 250 193.5 77.1 115.7#
 141 596.2 50.8 76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.62 min Scan# 3290

Delta R.T. -0.02 min

Lab File: BG032867.D

Acq: 27 Feb 2018 22:57

Instrument :

BNA_G

ClientSampled :

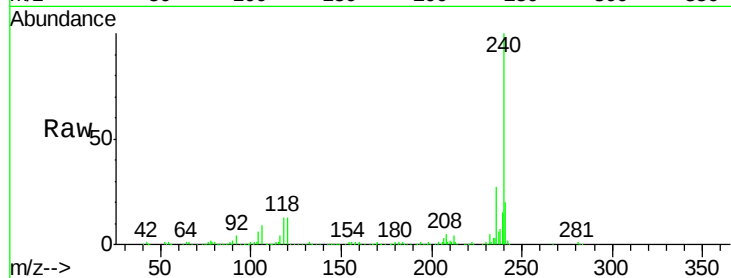
Tot Ion:240 Resp: 396343

Ion Ratio Lower Upper

240 100

120 13.4 6.8 10.2#

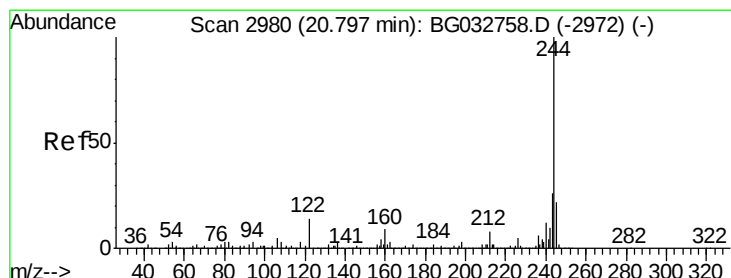
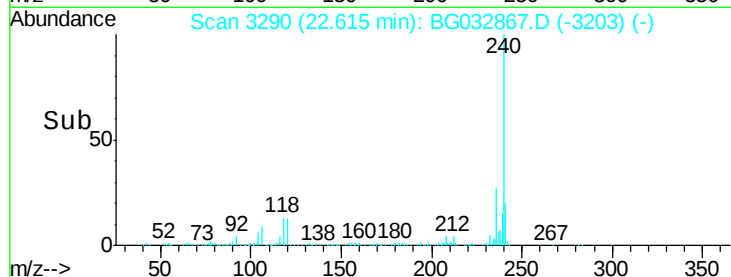
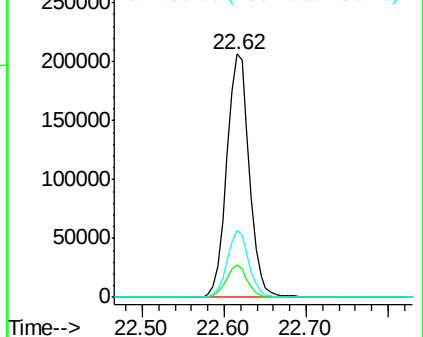
236 27.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 75.18 ng

RT: 20.78 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BG032867.D

Acq: 27 Feb 2018 22:57

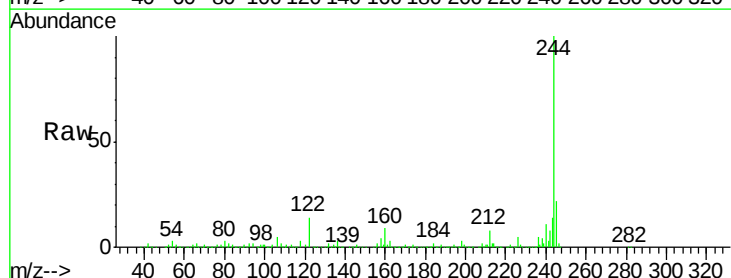
Tgt Ion:244 Resp: 1326176

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

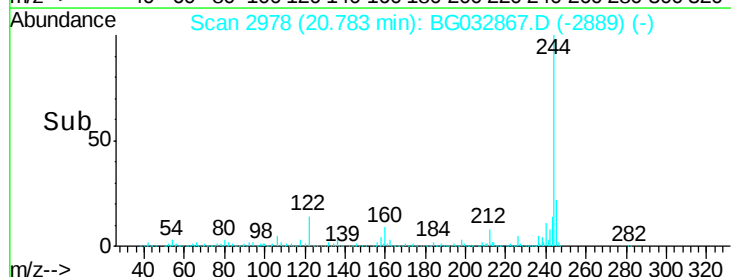
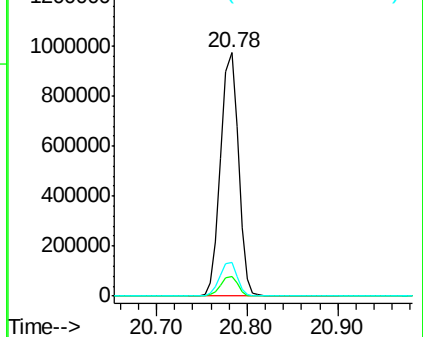
122 13.7 7.0 10.4#

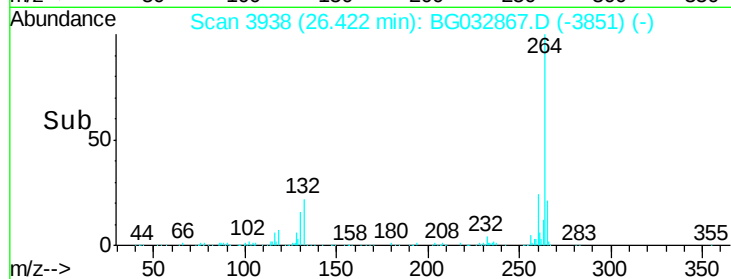
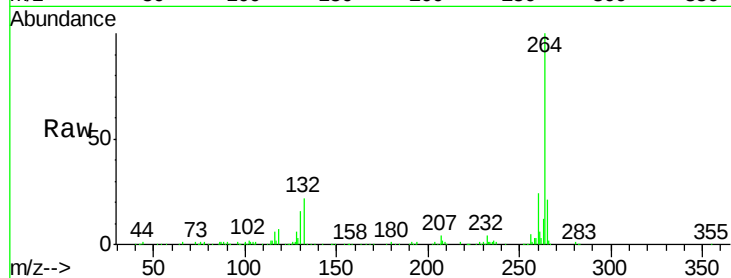
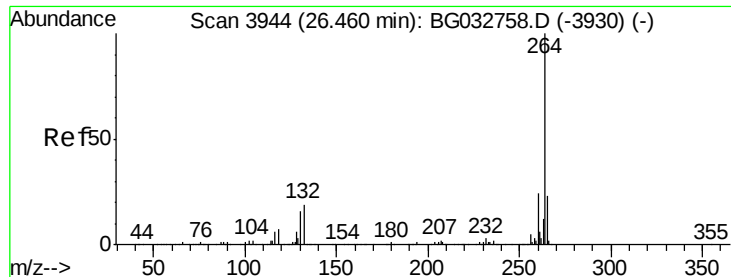


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 26.42 min Scan# 3938
Delta R.T. -0.02 min
Lab File: BG032867.D
Acq: 27 Feb 2018 22:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	21.5	17.7	26.5

