

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033119.D
 Acq On : 13 Mar 2018 14:37
 Operator : SJ/JU
 Sample : PB107235BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 15:30:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

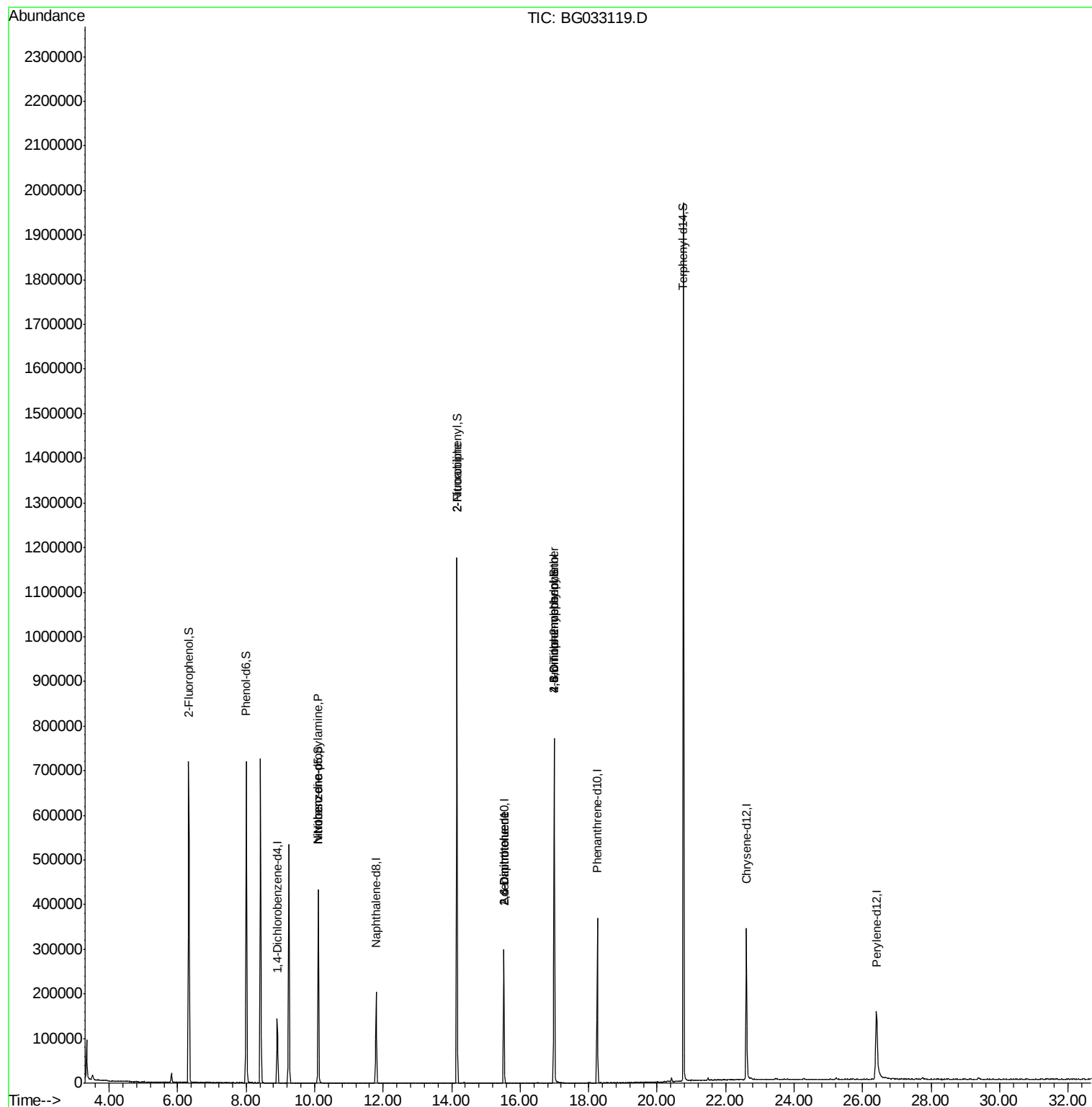
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	43845	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	188714	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	102588	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	238150	20.00	ng	0.00
75) Chrysene-d12	22.61	240	237568	20.00	ng	0.00
86) Perylene-d12	26.41	264	224553	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	334025	121.88	ng	0.00
7) Phenol-d6	8.01	99	434375	113.71	ng	0.00
23) Nitrobenzene-d5	10.10	82	269498	97.46	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	146208	135.54	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	585644	82.33	ng	0.00
78) Terphenyl-d14	20.77	244	910965	86.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	35324	13.098	ng	# 84
24) Nitrobenzene	10.11	77	827	6.619	ng	# 39
47) 2-Nitroaniline	14.15	65	1118	10.362	ng	# 25
50) 2,6-Dinitrotoluene	15.52	165	13229	16.373	ng	# 21
56) 2,4-Dinitrotoluene	15.52	165	13229	14.571	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	312	5.506	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	10042	3.988	ng	# 1

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

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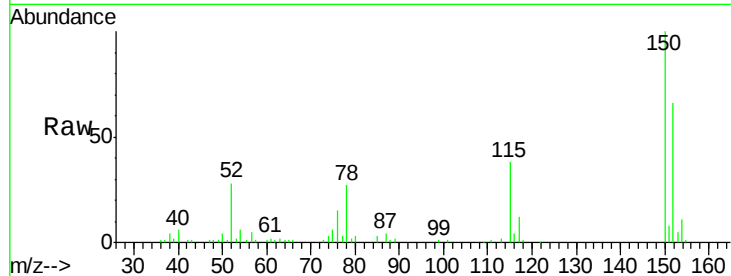


#1

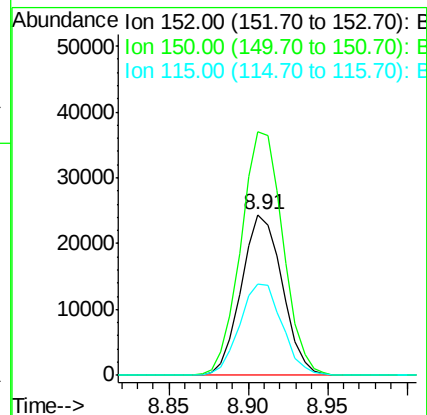
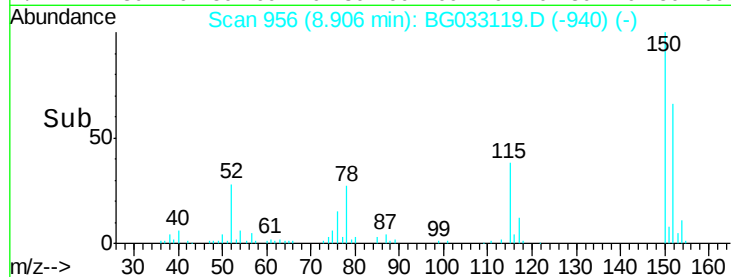
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.91 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 43845
 Ion Ratio Lower Upper
 152 100
 150 151.6 126.6 189.8
 115 57.0 53.0 79.4



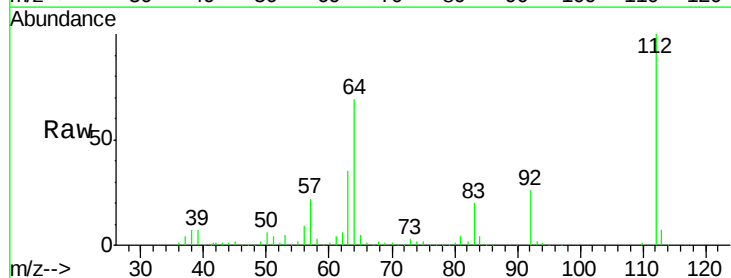
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



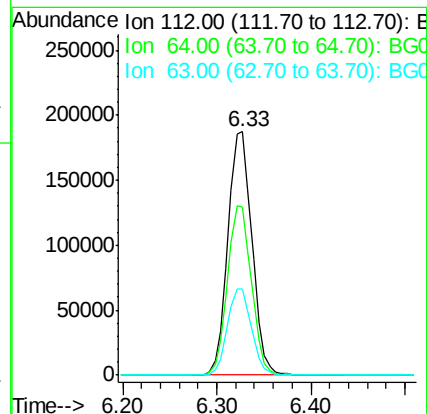
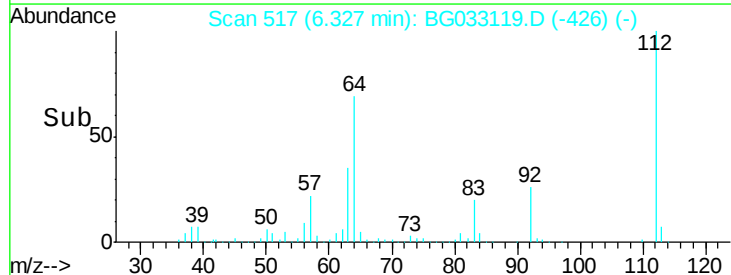
#5

2-Fluorophenol
 Concen: 121.882 ng
 RT: 6.33 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

Tgt Ion:112 Resp: 334025
 Ion Ratio Lower Upper
 112 100
 64 69.0 56.3 84.5
 63 35.2 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: 113.712 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033119.D

Acq: 13 Mar 2018 14:37

Instrument :

BNA_G

ClientSampleId :

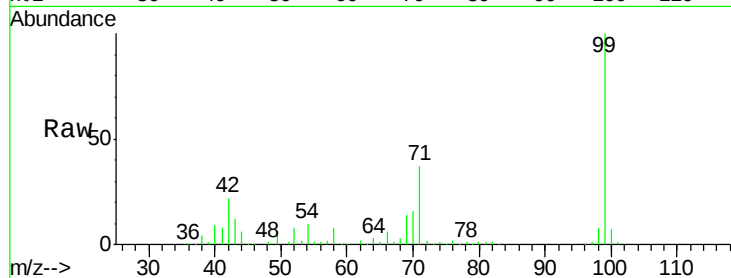
Tot Ion: 99 Resp: 434375

Ion Ratio Lower Upper

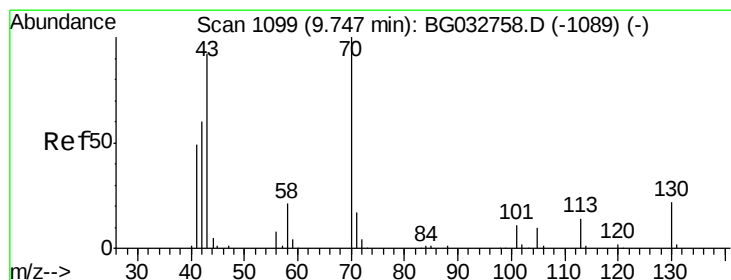
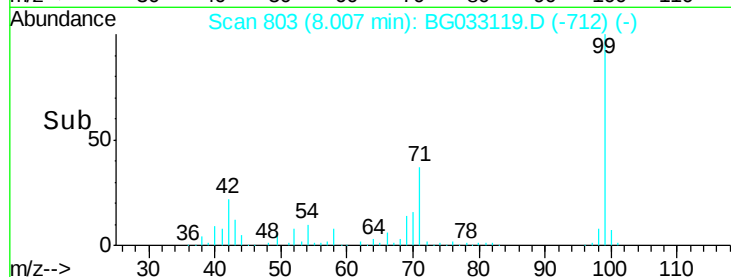
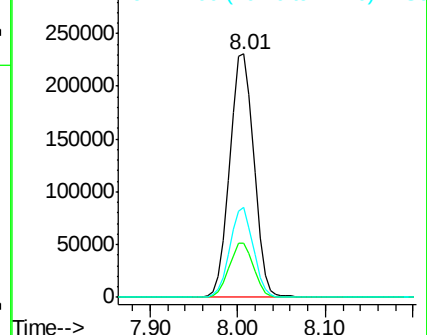
99 100

42 22.5 14.1 21.1#

71 37.0 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: 13.098 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.38 min

Lab File: BG033119.D

Acq: 13 Mar 2018 14:37

Tgt Ion: 70 Resp: 35324

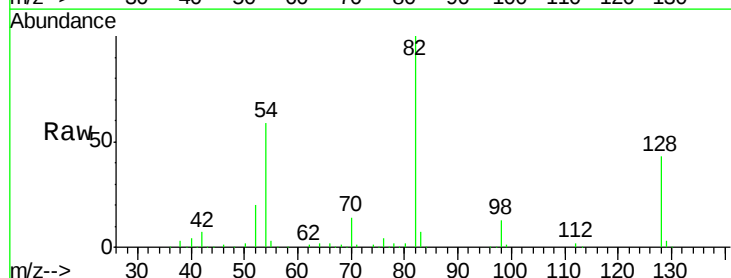
Ion Ratio Lower Upper

70 100

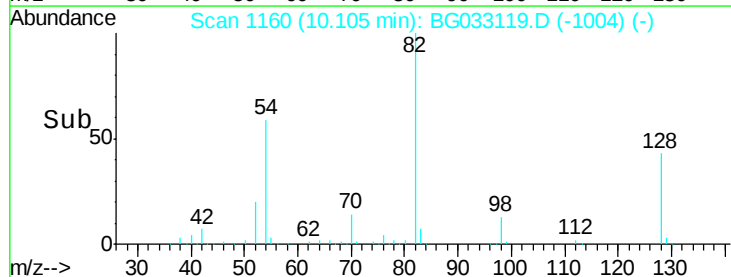
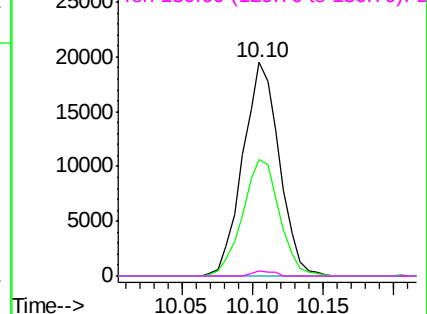
42 54.5 49.1 73.7

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

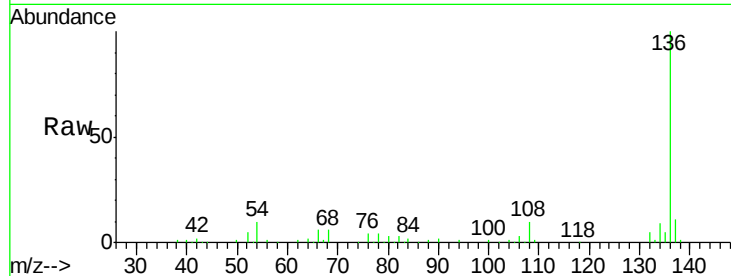




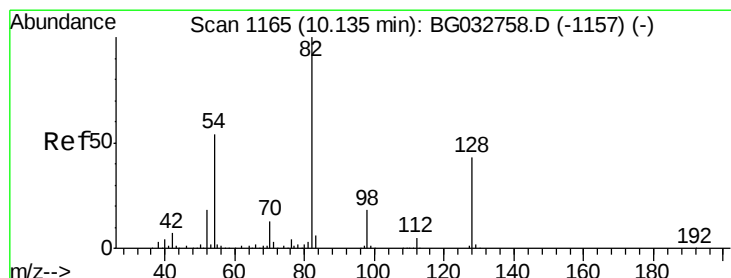
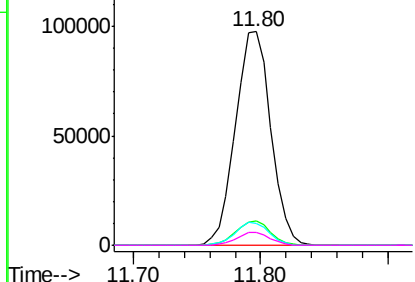
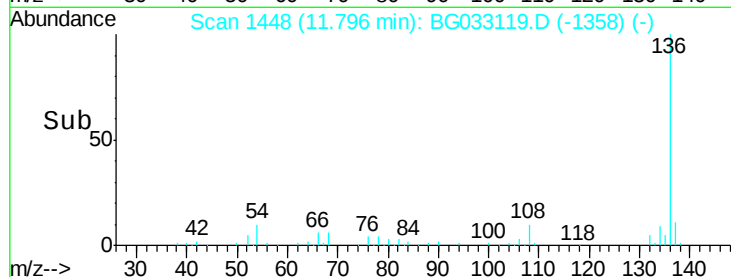
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

Instrument :
BNA_G
ClientSampled :

Tot Ion:136 Resp: 188714
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.0 10.3 15.5#
68 5.9 4.5 6.7

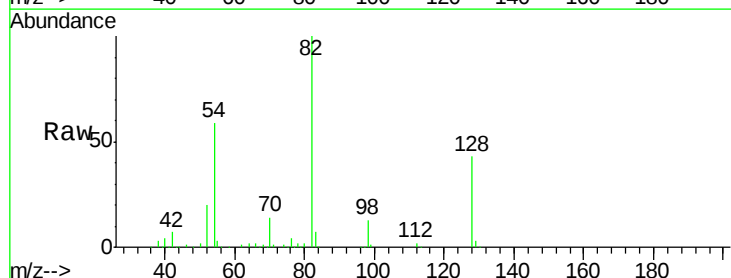


Abundance Ion 136.00 (135.70 to 136.70): E
150000 Ion 137.00 (136.70 to 137.70): E
100000 Ion 54.00 (53.70 to 54.70): BGC
50000 Ion 68.00 (67.70 to 68.70): BGC

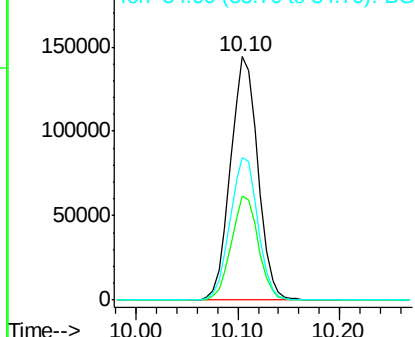
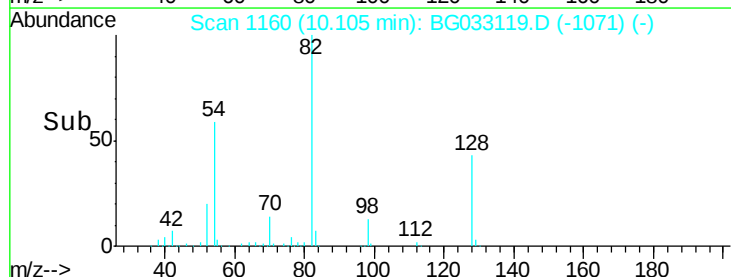


#23
Nitrobenzene-d5
Concen: 97.457 ng
RT: 10.10 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

Tgt Ion: 82 Resp: 269498
Ion Ratio Lower Upper
82 100
128 42.6 29.7 44.5
54 58.8 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000 Ion 128.00 (127.70 to 128.70): E
150000 Ion 54.00 (53.70 to 54.70): BGC

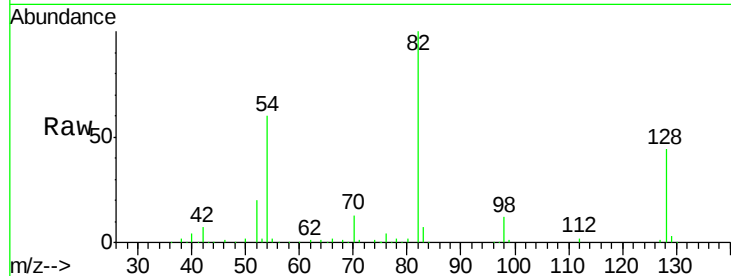




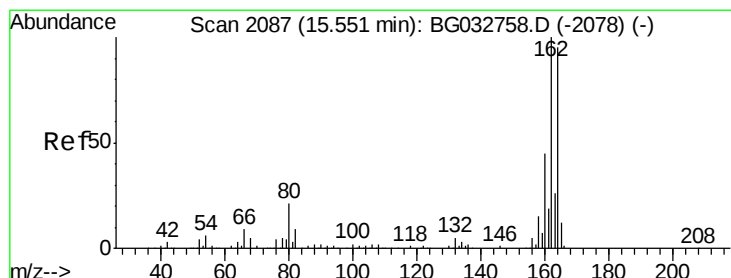
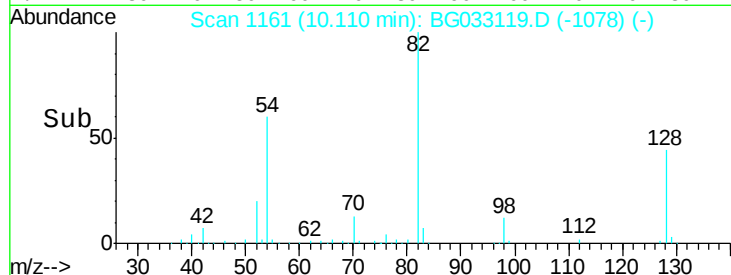
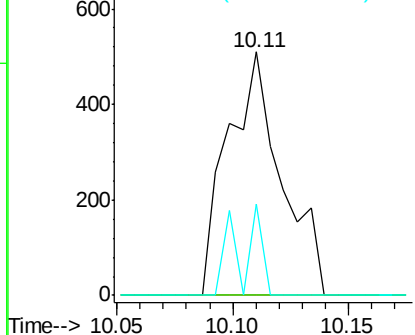
#24
Nitrobenzene
Concen: 6.619 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.04 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

Instrument :
BNA_G
ClientSampled :

Tot Ion: 77 Resp: 827
Ion Ratio Lower Upper
77 100
123 0.0 33.0 49.6#
65 37.6 13.0 19.6#

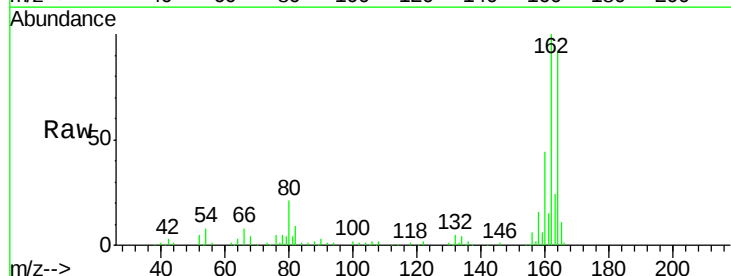


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

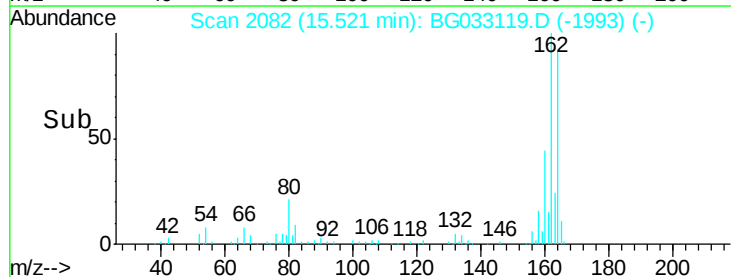
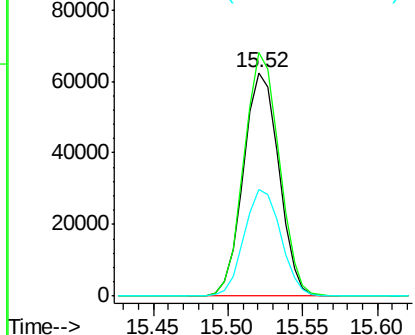


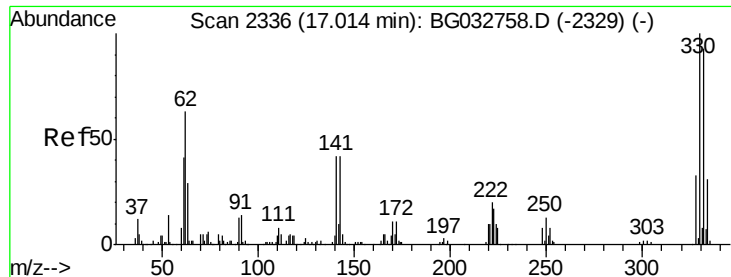
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

Tgt Ion:164 Resp: 102588
Ion Ratio Lower Upper
164 100
162 109.0 78.8 118.2
160 47.7 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

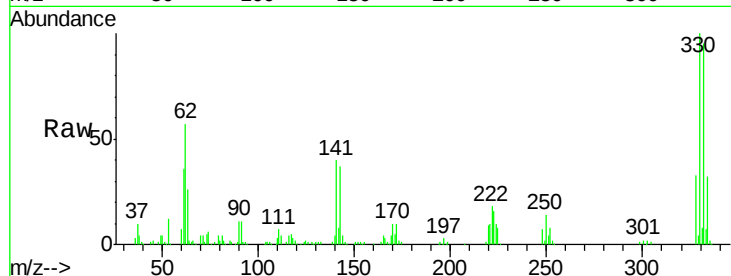




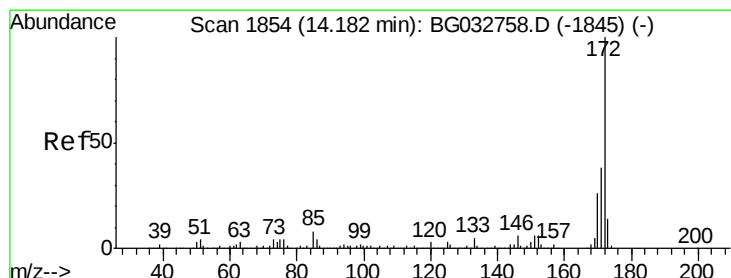
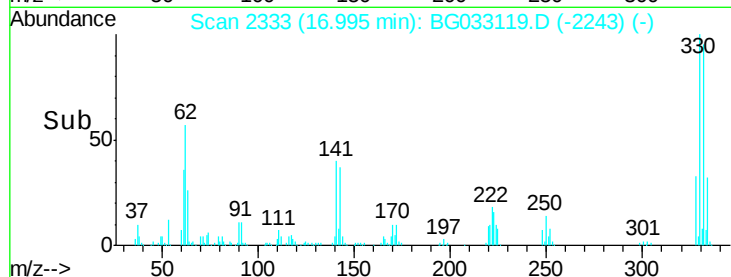
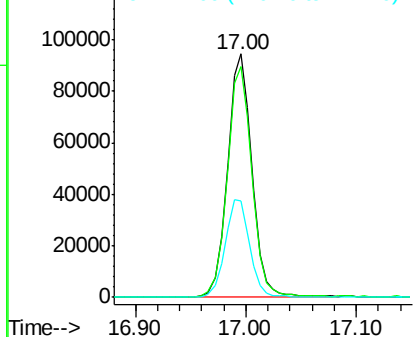
#41
 2,4,6-Tribromophenol
 Concen: 135.544 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 146208
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 40.5 25.2 37.8#

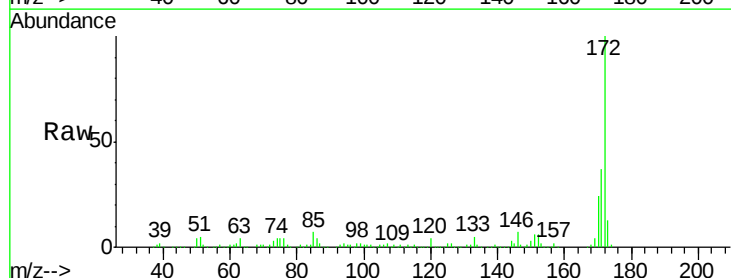


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

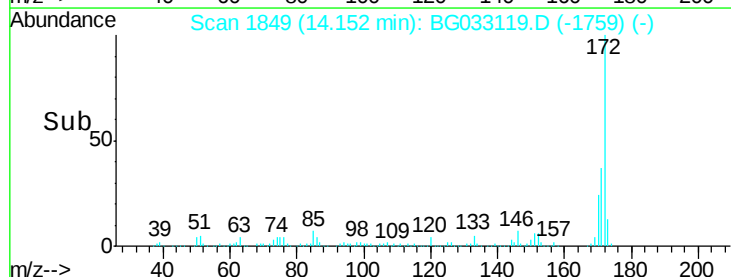
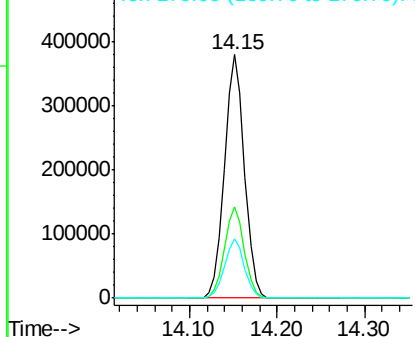


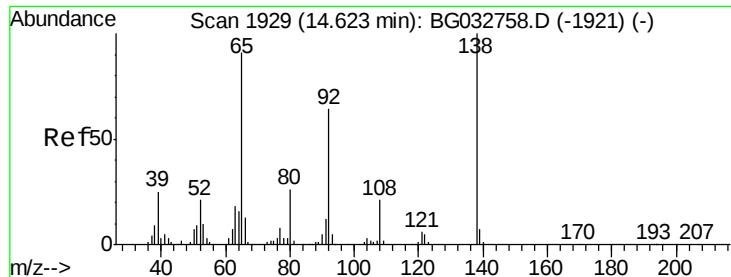
#44
 2-Fluorobiphenyl
 Concen: 82.334 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

Tgt Ion:172 Resp: 585644
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.0 45.0
 170 24.5 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

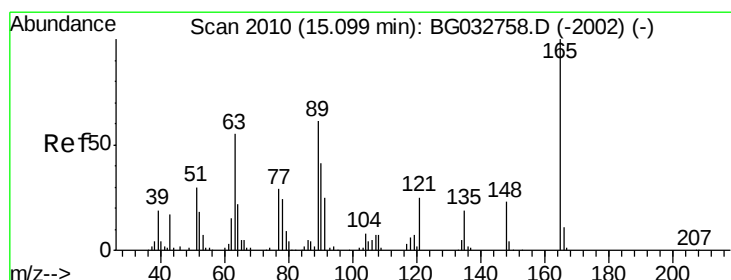
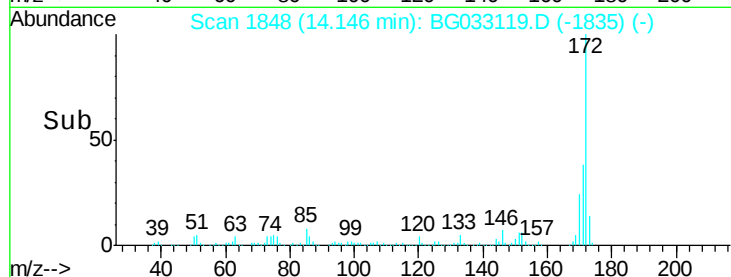
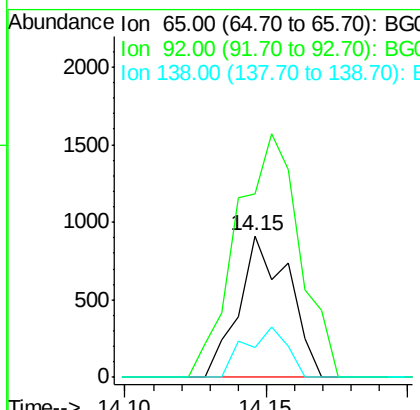
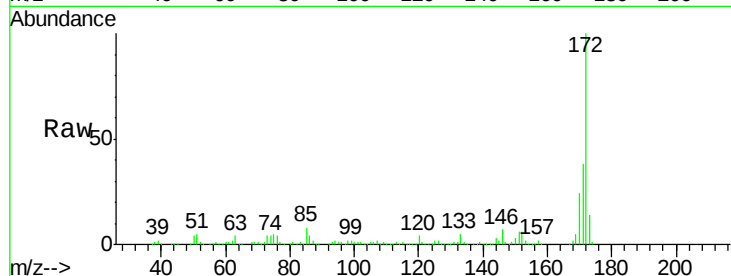




#47
2-Nitroaniline
Concen: 10.362 ng
RT: 14.15 min Scan# 1848
Delta R.T. -0.46 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

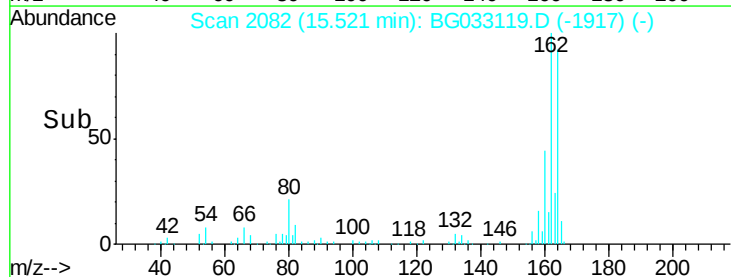
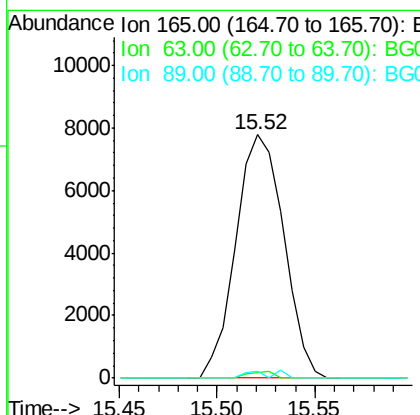
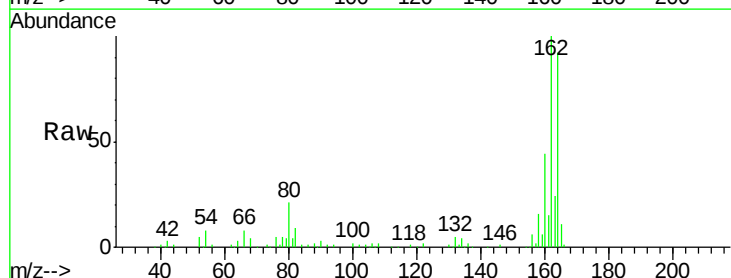
Instrument :
BNA_G
ClientSampleId :

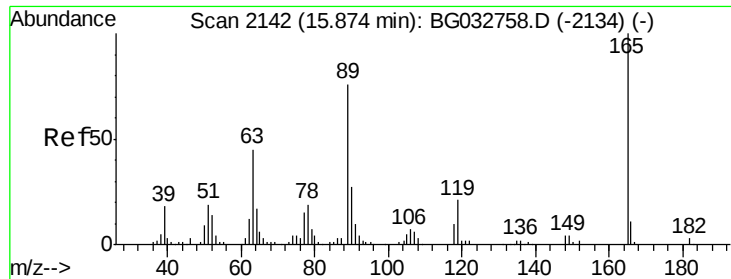
Tot Ion: 65 Resp: 1118
Ion Ratio Lower Upper
65 100
92 129.8 54.6 82.0#
138 21.3 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.373 ng
RT: 15.52 min Scan# 2082
Delta R.T. 0.44 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

Tgt Ion:165 Resp: 13229
Ion Ratio Lower Upper
165 100
63 2.1 52.7 79.1#
89 2.7 49.2 73.8#

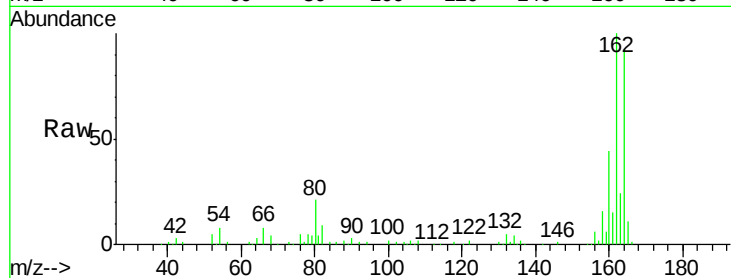




#56
2,4-Dinitrotoluene
Concen: 14.571 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.34 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	42.0	63.0#
89	2.7	66.9	100.3#
182	0.0	2.6	3.8#

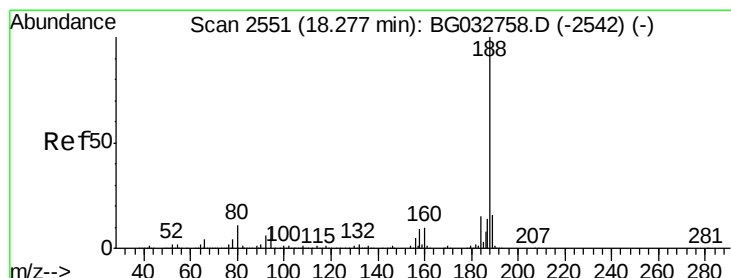
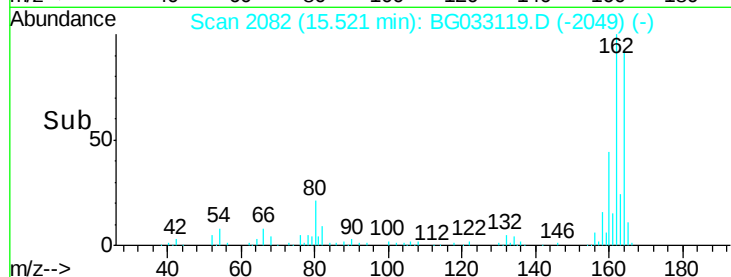
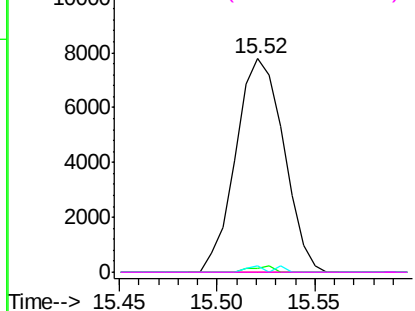


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

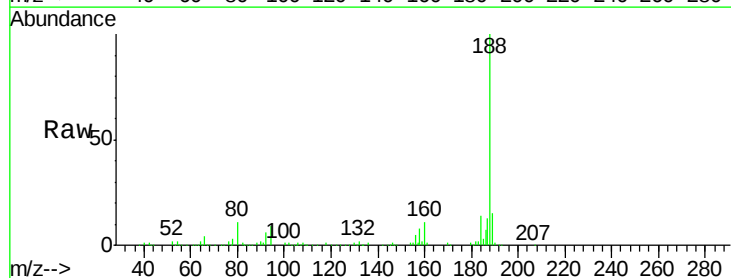
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033119.D
Acq: 13 Mar 2018 14:37

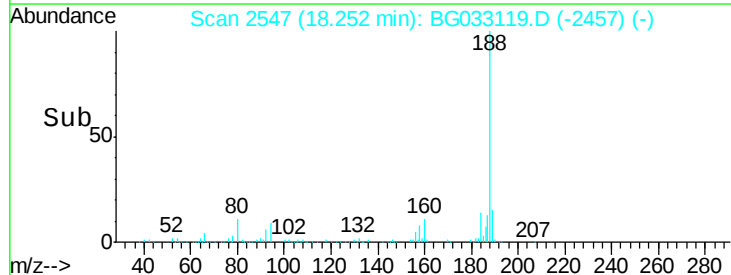
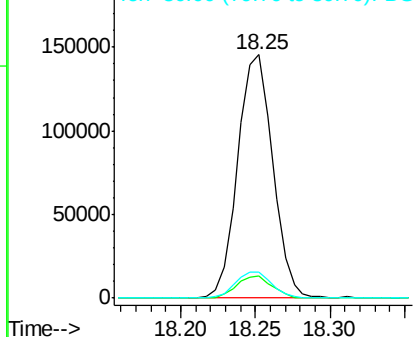
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	10.9	7.7	11.5

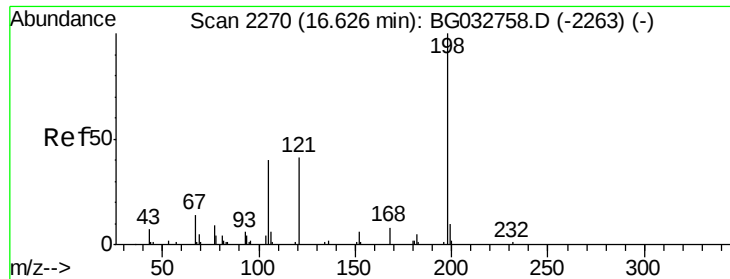


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.506 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033119.D

Acq: 13 Mar 2018 14:37

Instrument :

BNA_G

ClientSampleId :

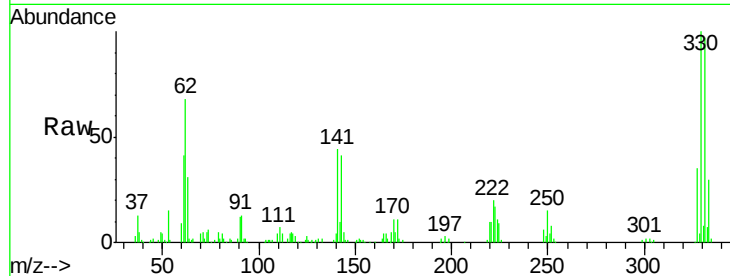
Tot Ion:198 Resp: 312

Ion Ratio Lower Upper

198 100

51 129.8 30.6 70.6#

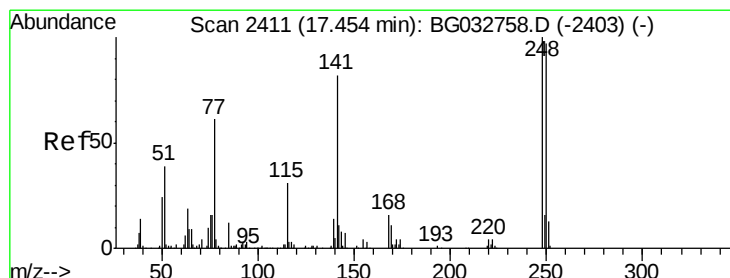
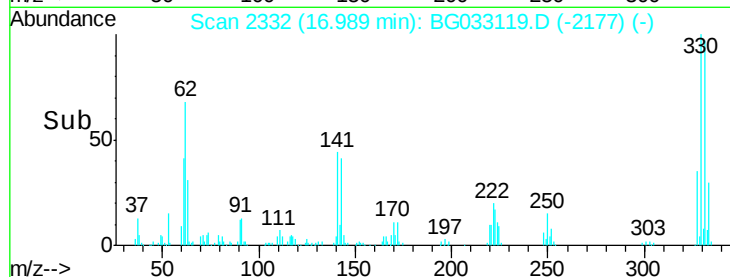
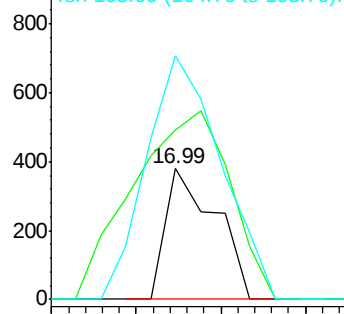
105 186.5 23.8 63.8#



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: 3.988 ng

RT: 17.00 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033119.D

Acq: 13 Mar 2018 14:37

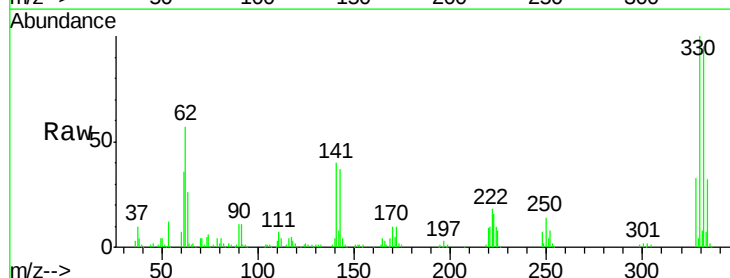
Tgt Ion:248 Resp: 10042

Ion Ratio Lower Upper

248 100

250 198.3 77.1 115.7#

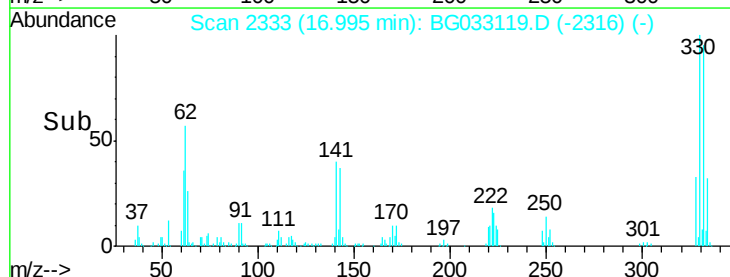
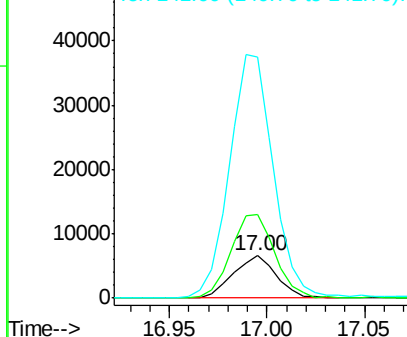
141 570.6 50.8 76.2#

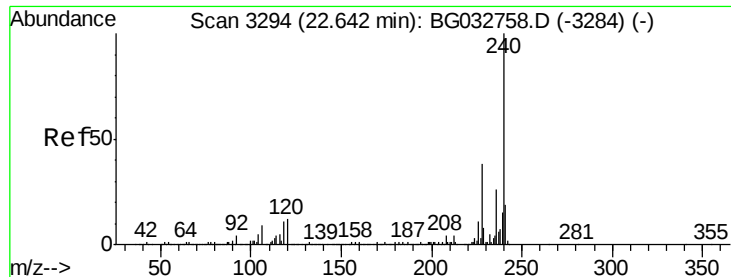


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

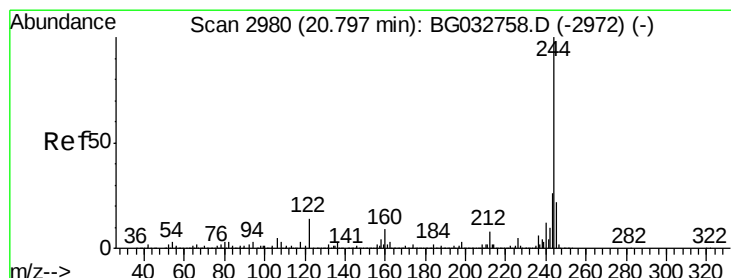
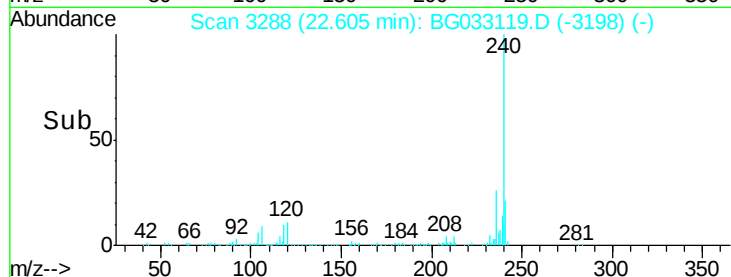
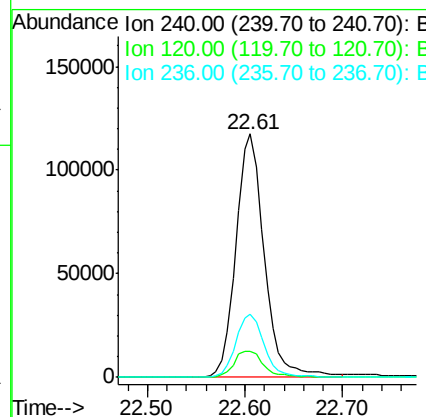
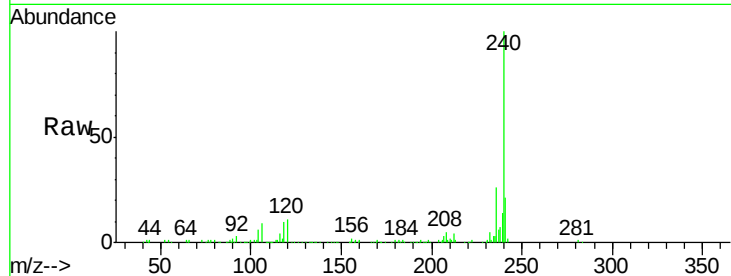




#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

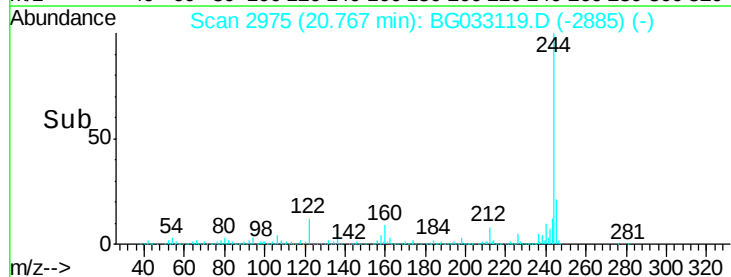
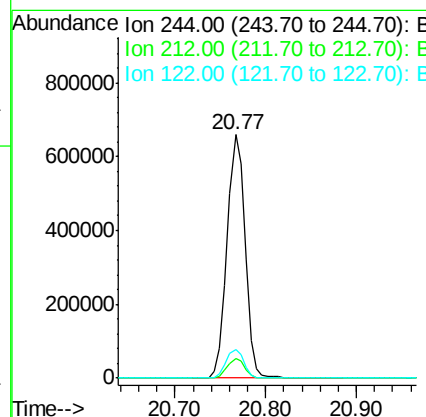
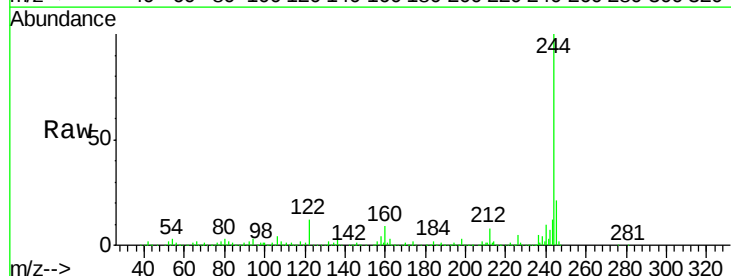
Instrument :
 BNA_G
 ClientSampleId :

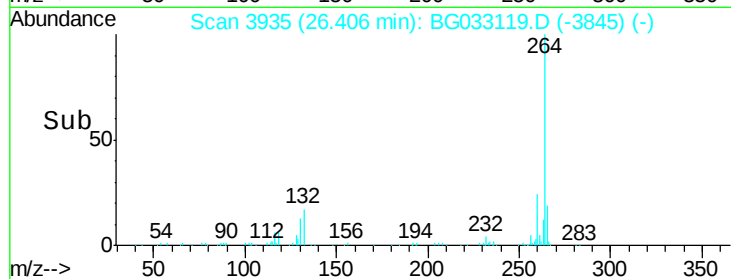
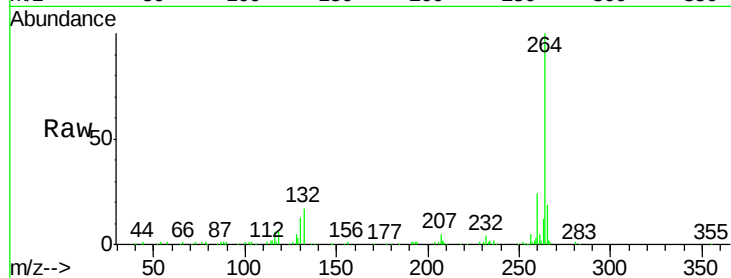
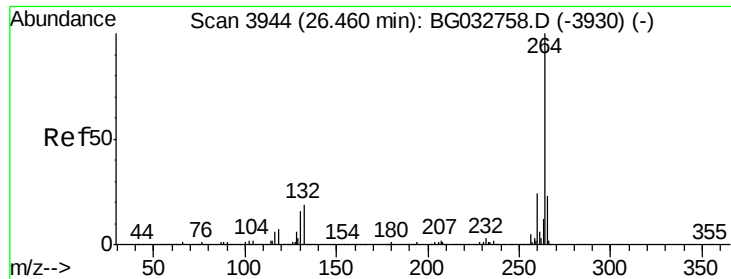
Tot Ion:240 Resp: 237568
 Ion Ratio Lower Upper
 240 100
 120 10.9 6.8 10.2#
 236 25.9 20.9 31.3



#78
 Terphenyl-d14
 Concen: 86.152 ng
 RT: 20.77 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

Tgt Ion:244 Resp: 910965
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 11.9 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3935
 Delta R.T. -0.00 min
 Lab File: BG033119.D
 Acq: 13 Mar 2018 14:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	19.4	17.7	26.5

