

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033053.D
 Acq On : 8 Mar 2018 22:54
 Operator : SJ/JU
 Sample : PB107149TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 01:31:34 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

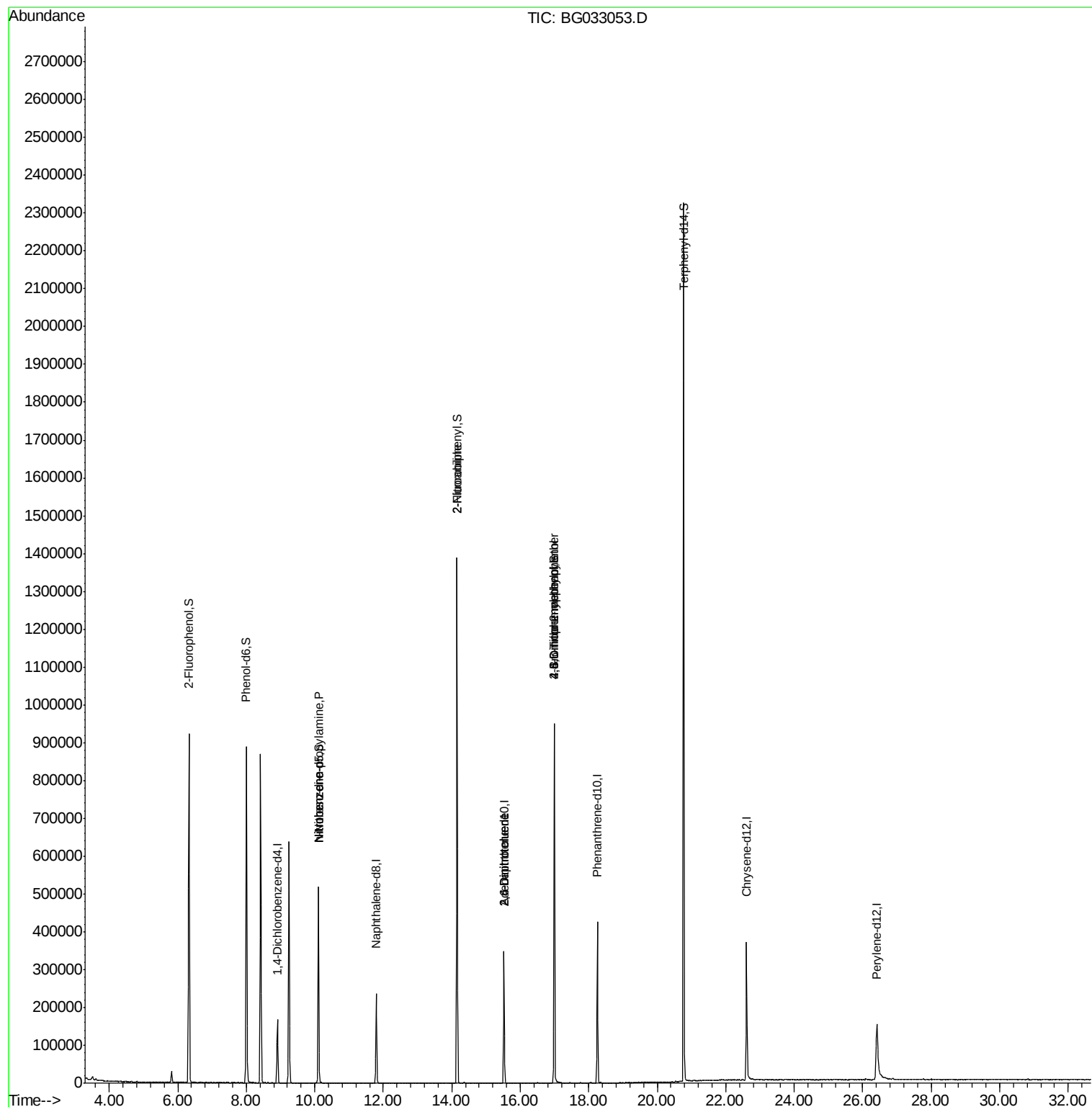
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	48624	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	214828	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	120343	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	272724	20.00	ng	0.00
75) Chrysene-d12	22.61	240	251539	20.00	ng	0.00
86) Perylene-d12	26.42	264	232364	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	417368	137.32	ng	0.00
7) Phenol-d6	8.01	99	549028	129.60	ng	0.00
23) Nitrobenzene-d5	10.11	82	322910	102.06	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	169992	134.34	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	714731	85.66	ng	0.00
78) Terphenyl-d14	20.77	244	1035510	92.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	41259	13.796	ng	# 86
24) Nitrobenzene	10.10	77	834	6.591	ng	# 42
47) 2-Nitroaniline	14.16	65	1306	10.360	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	15535	16.381	ng	# 19
56) 2,4-Dinitrotoluene	15.53	165	15535	14.579	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	408	5.585	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	12245	4.246	ng	# 1

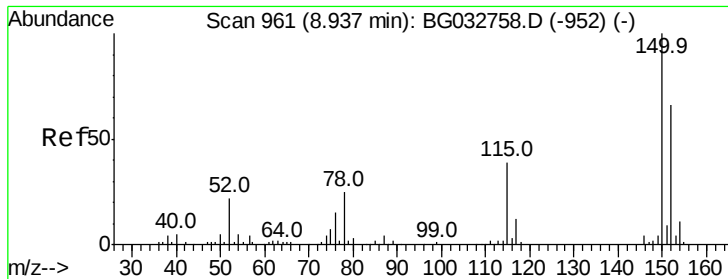
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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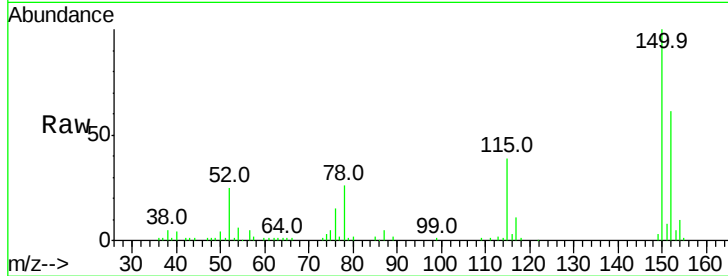


#1

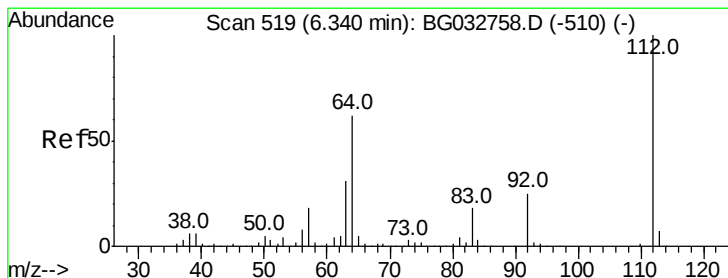
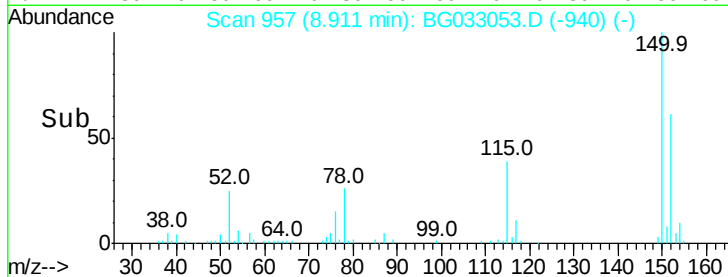
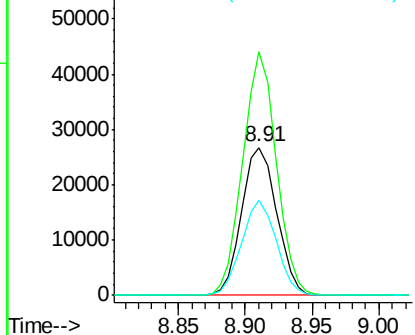
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 48624
Ion Ratio Lower Upper
152 100
150 164.7 126.6 189.8
115 64.5 53.0 79.4



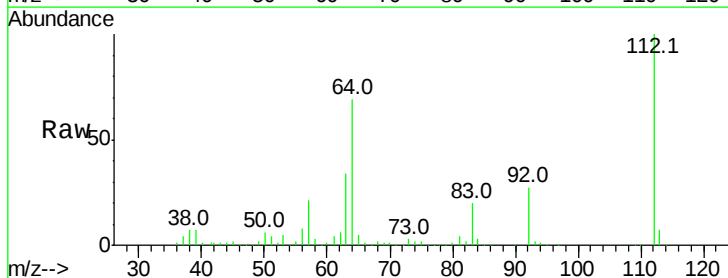
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



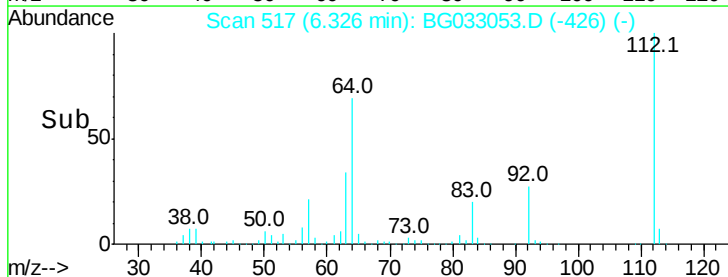
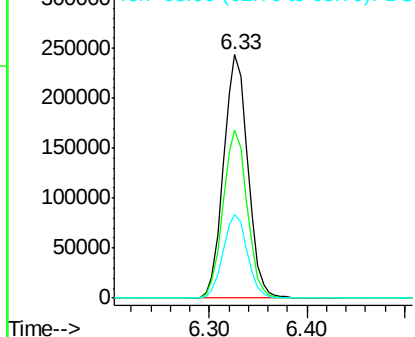
#5

2-Fluorophenol
Concen: 137.325 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Tgt Ion:112 Resp: 417368
Ion Ratio Lower Upper
112 100
64 68.9 56.3 84.5
63 34.5 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: 129.600 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033053.D

Acq: 8 Mar 2018 22:54

Instrument :

BNA_G

ClientSampled :

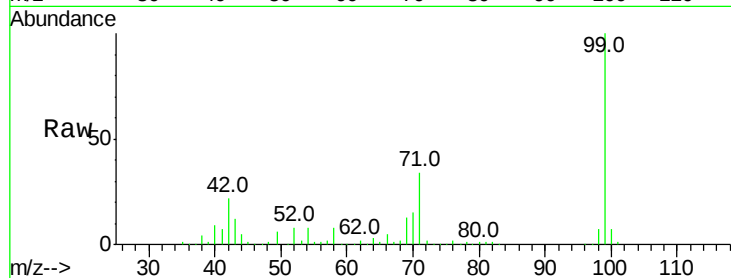
Tot Ion: 99 Resp: 549028

Ion Ratio Lower Upper

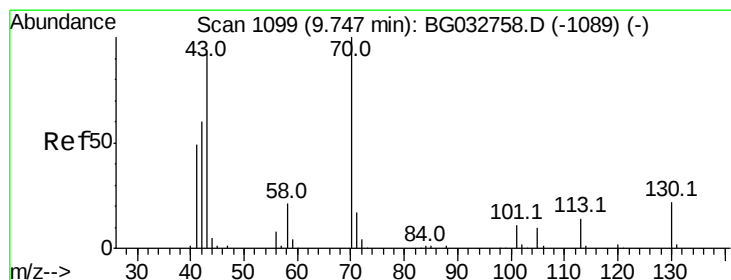
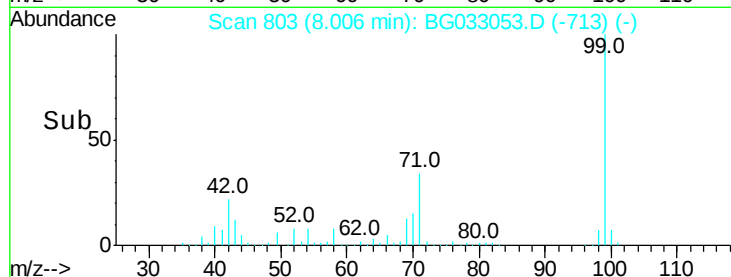
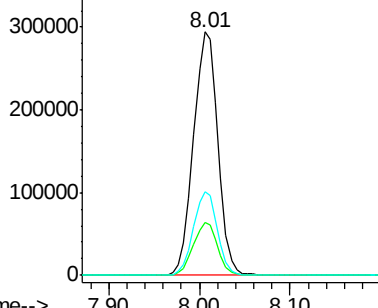
99 100

42 21.9 14.1 21.1#

71 34.2 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: 13.796 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033053.D

Acq: 8 Mar 2018 22:54

Tgt Ion: 70 Resp: 41259

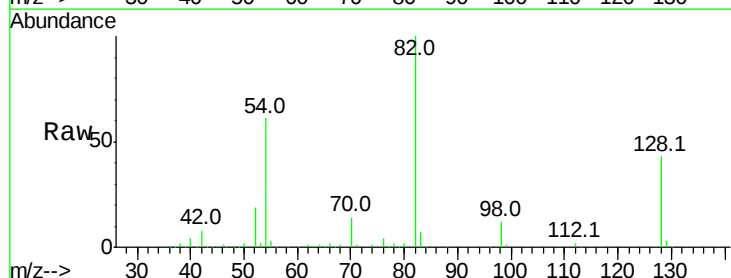
Ion Ratio Lower Upper

70 100

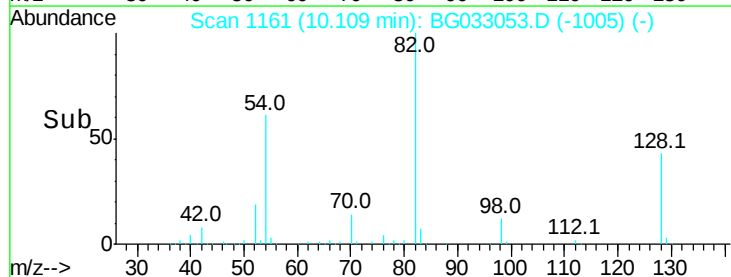
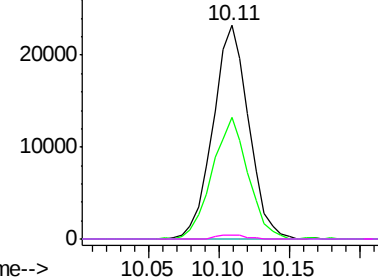
42 56.7 49.1 73.7

101 0.0 8.5 12.7#

130 1.7 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

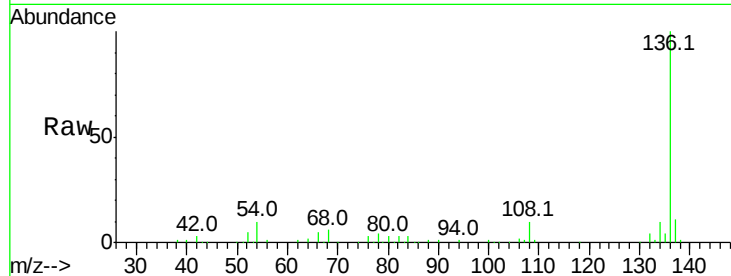




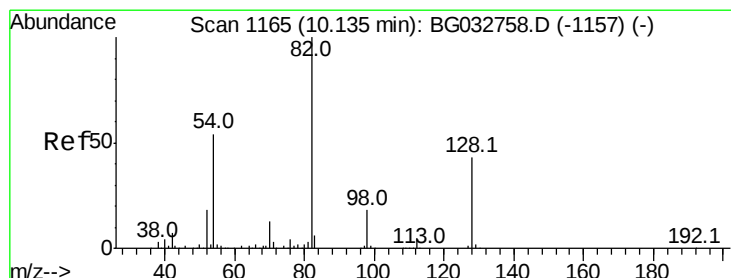
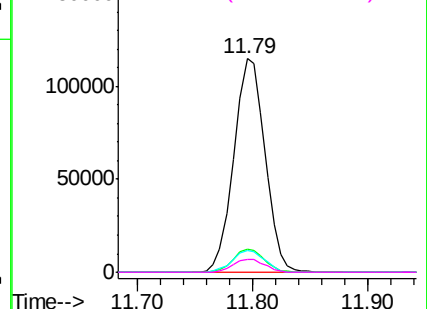
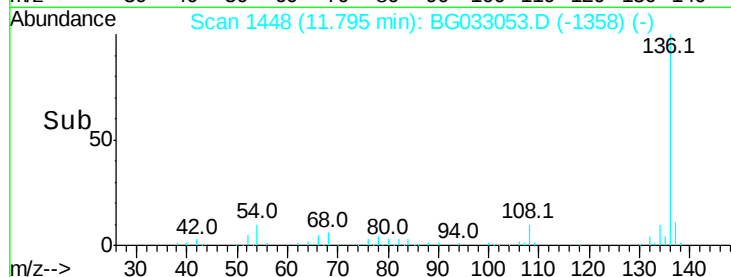
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	214828
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	10.5	10.3	15.5
68	5.9	4.5	6.7

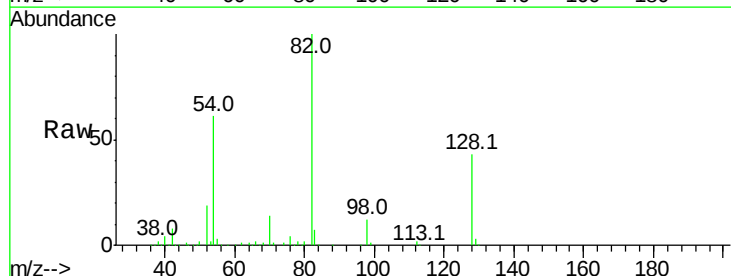


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

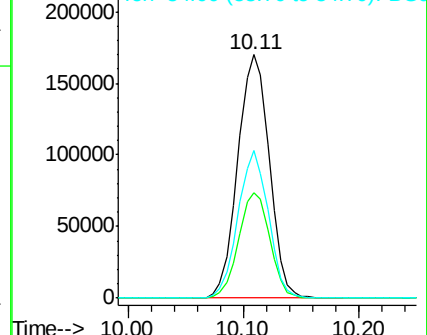
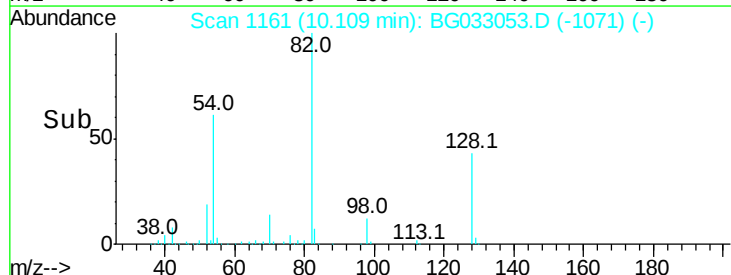


#23
Nitrobenzene-d5
Concen: 102.057 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Tgt Ion:	82	Resp:	322910
Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.7	44.5
54	60.6	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

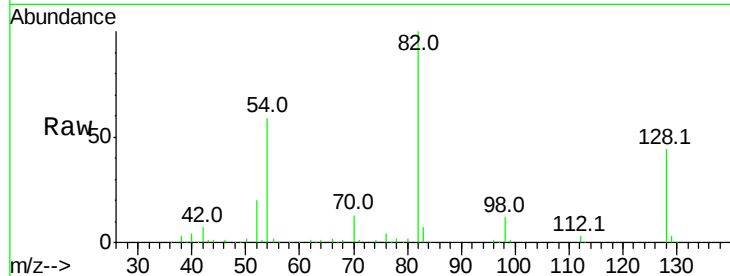




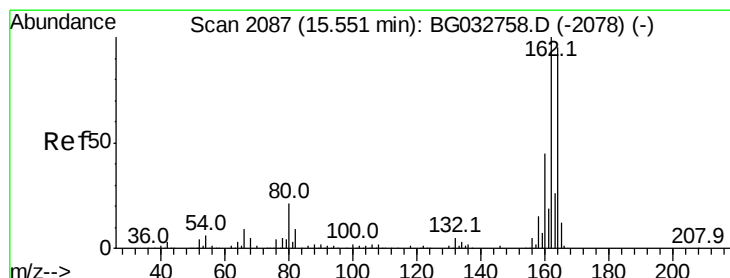
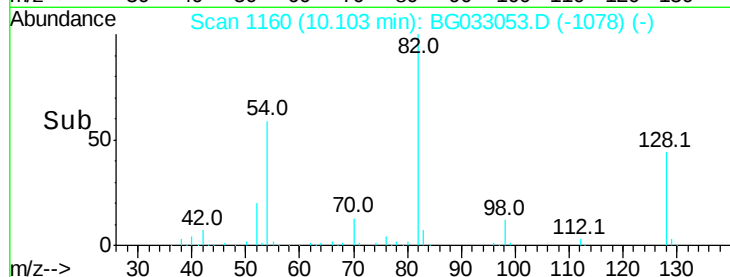
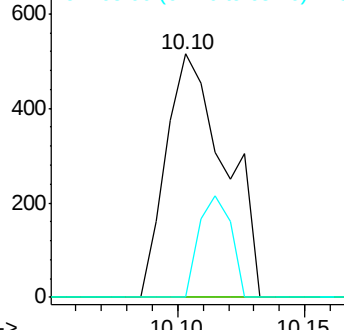
#24
 Nitrobenzene
 Concen: 6.591 ng
 RT: 10.10 min Scan# 1160
 Delta R.T. -0.05 min
 Lab File: BG033053.D
 Acq: 8 Mar 2018 22:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 77 Resp: 834
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 0.0 13.0 19.6#

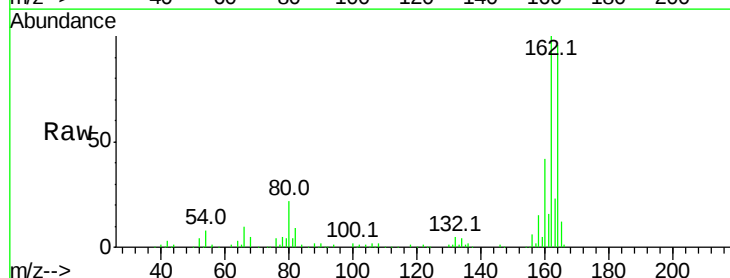


Abundance Ion 77.00 (76.70 to 77.70): BG
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): B

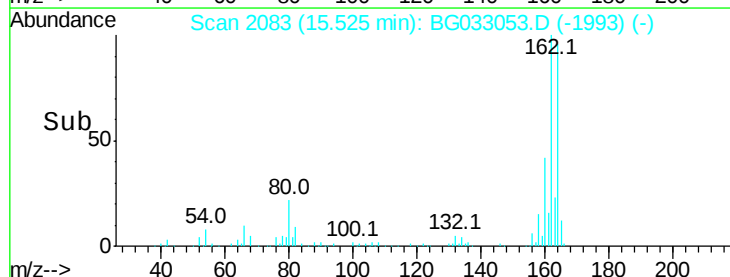
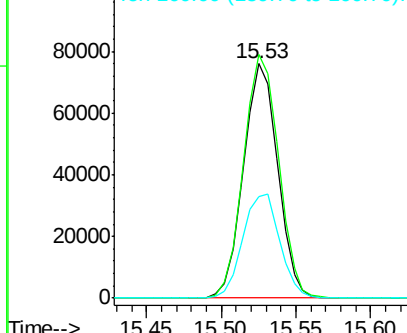


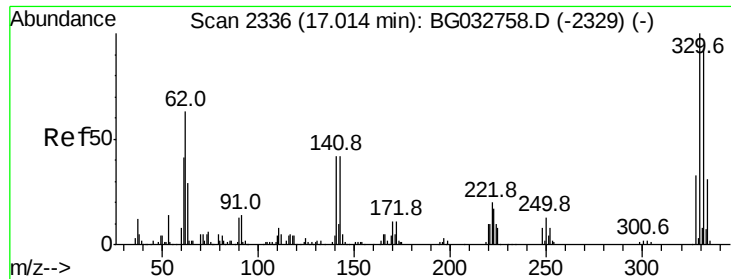
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2083
 Delta R.T. -0.00 min
 Lab File: BG033053.D
 Acq: 8 Mar 2018 22:54

Tgt Ion:164 Resp: 120343
 Ion Ratio Lower Upper
 164 100
 162 103.9 78.8 118.2
 160 43.4 35.4 53.0



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

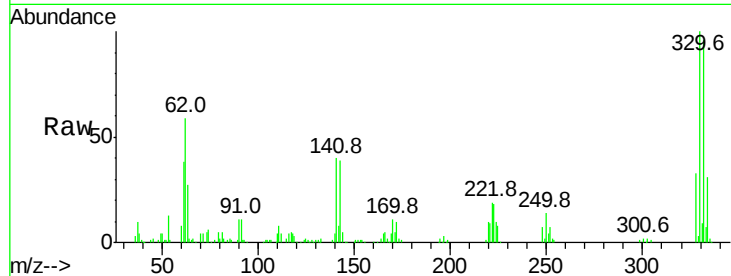




#41
 2,4,6-Tribromophenol
 Concen: 134.342 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033053.D
 Acq: 8 Mar 2018 22:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	43.5	25.2	37.8#

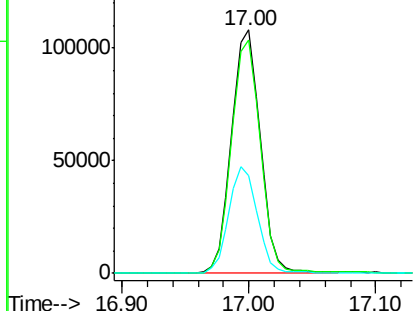
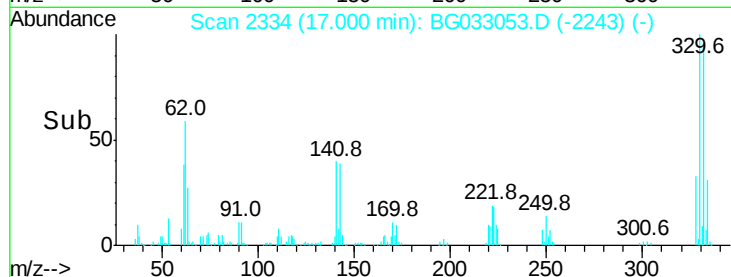


Abundance

Ion 329.80 (329.50 to 330.50): E

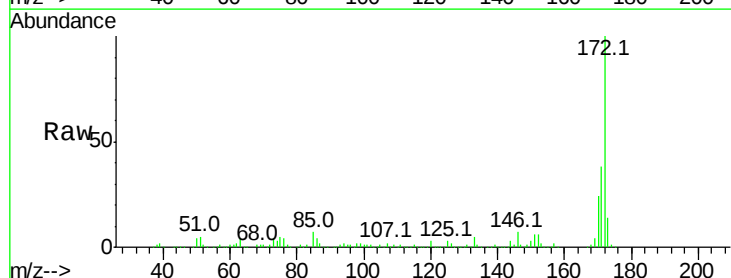
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 85.657 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033053.D
 Acq: 8 Mar 2018 22:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.0	45.0
170	24.1	19.5	29.3

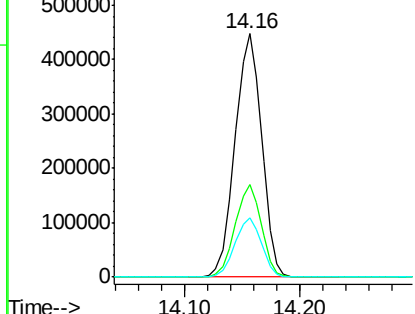
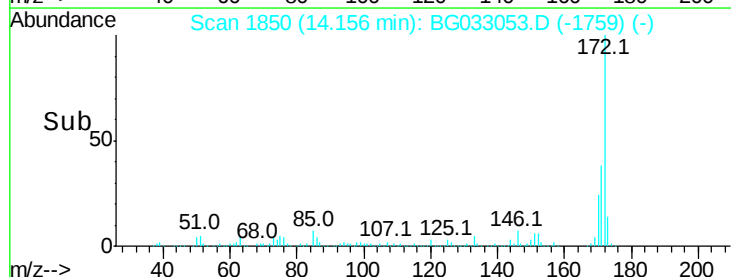


Abundance

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

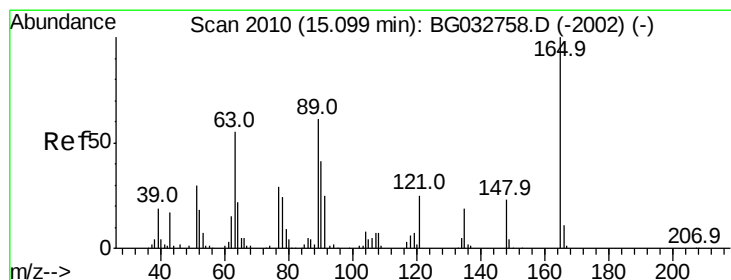
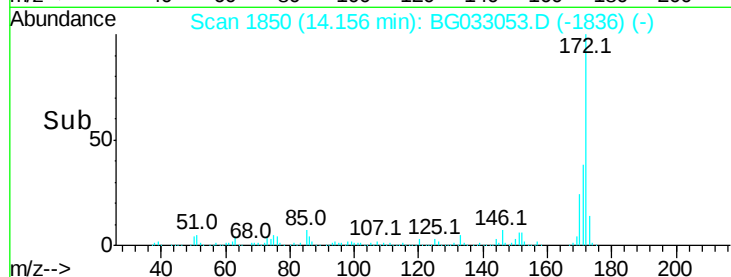
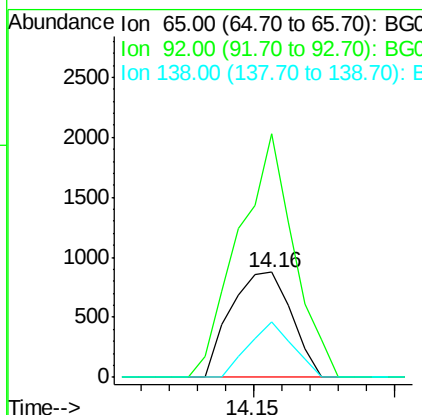
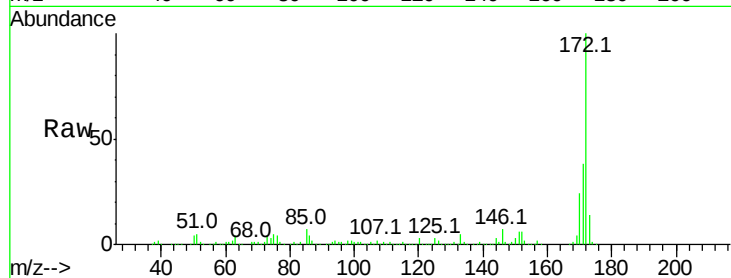




#47
2-Nitroaniline
Concen: 10.360 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

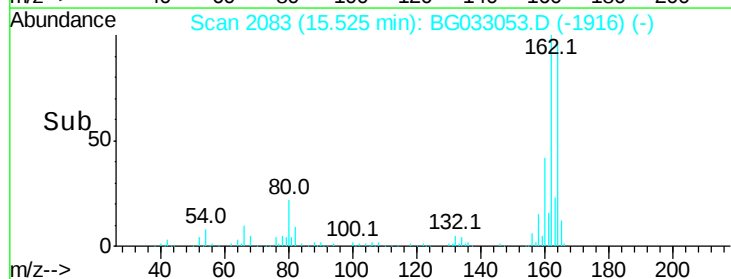
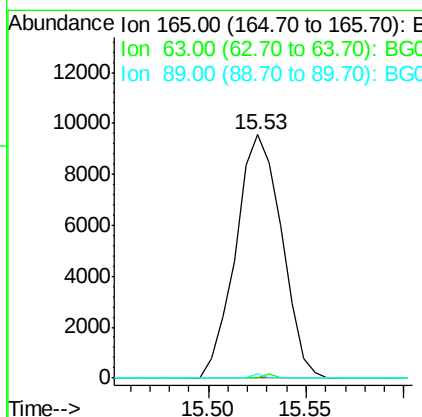
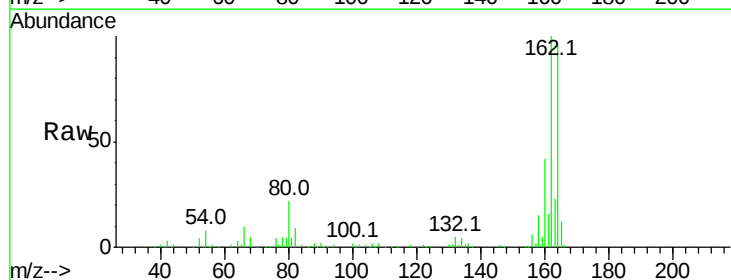
Instrument :
BNA_G
ClientSampled :

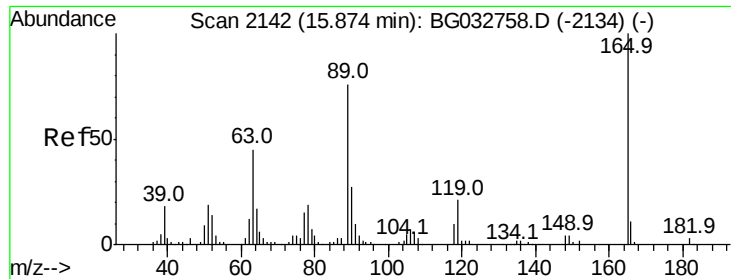
Tot Ion: 65 Resp: 1306
Ion Ratio Lower Upper
65 100
92 232.4 54.6 82.0#
138 53.3 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.381 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.45 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Tgt Ion:165 Resp: 15535
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.8 49.2 73.8#

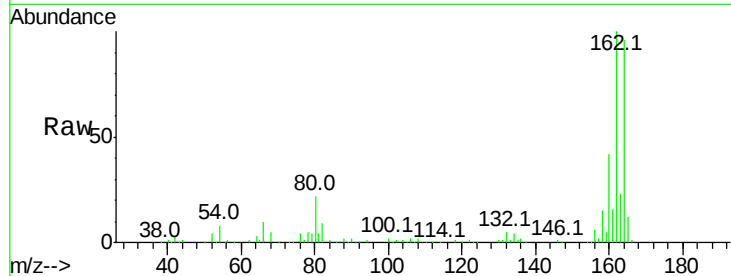




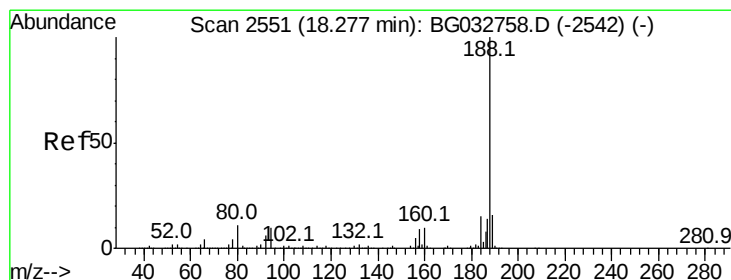
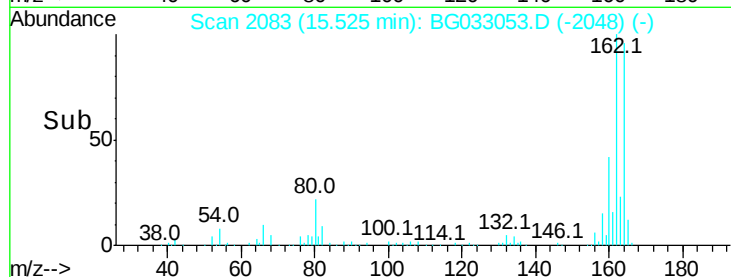
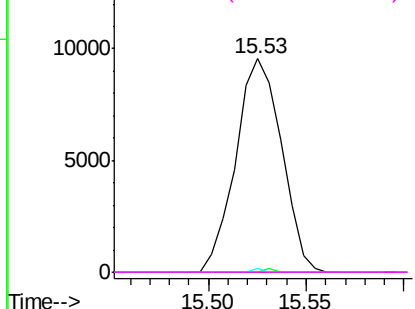
#56
2,4-Dinitrotoluene
Concen: 14.579 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15535
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.8 66.9 100.3#
182 0.0 2.6 3.8#

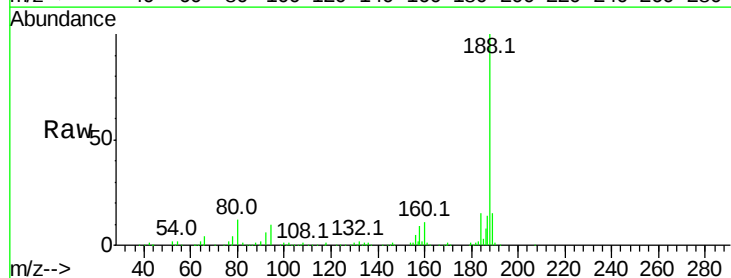


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

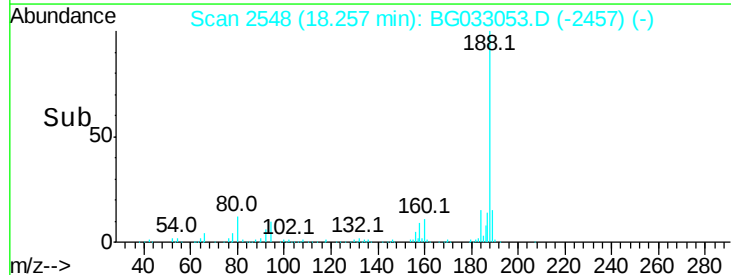
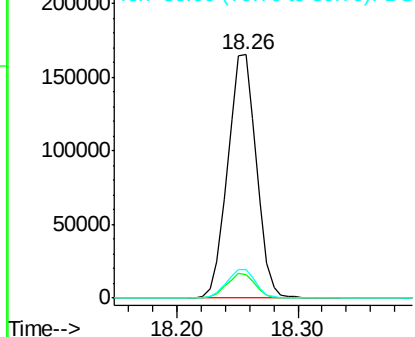


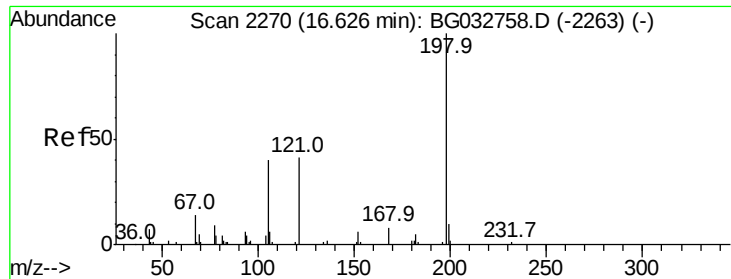
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BG033053.D
Acq: 8 Mar 2018 22:54

Tgt Ion:188 Resp: 272724
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 11.6 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: 5.585 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.39 min

Lab File: BG033053.D

Acq: 8 Mar 2018 22:54

Instrument :

BNA_G

ClientSampleId :

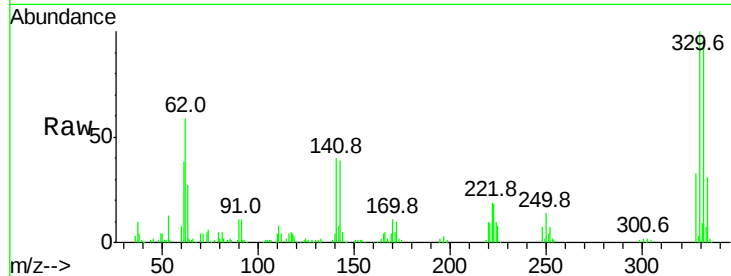
Tot Ion:198 Resp: 408

Ion Ratio Lower Upper

198 100

51 163.9 30.6 70.6#

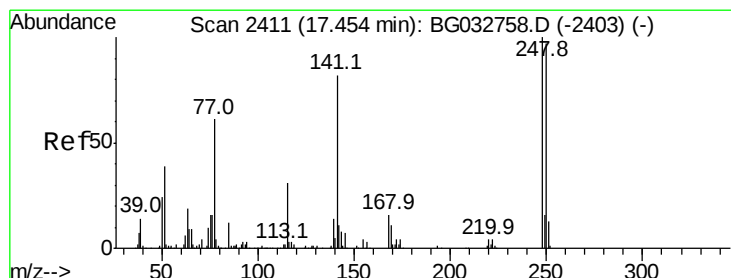
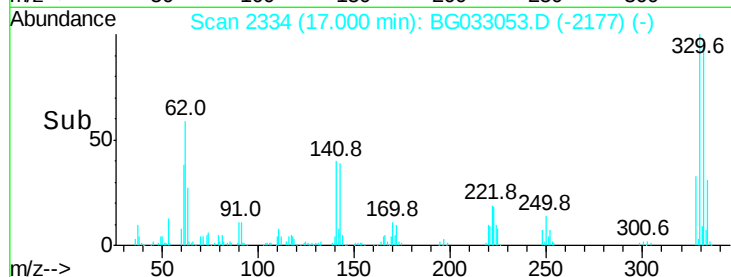
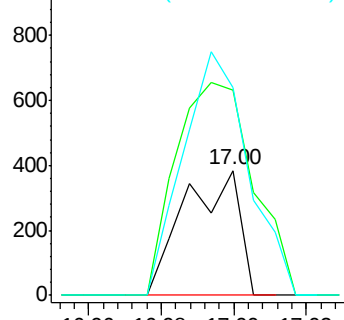
105 166.2 23.8 63.8#



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: 4.246 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.43 min

Lab File: BG033053.D

Acq: 8 Mar 2018 22:54

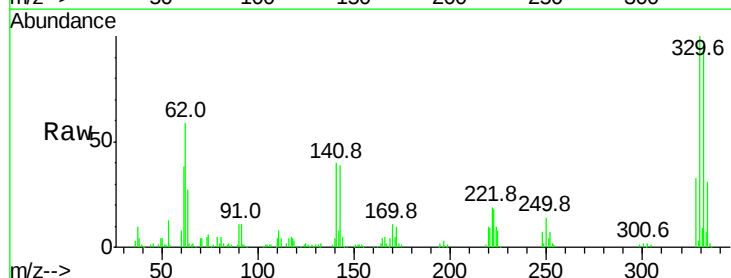
Tgt Ion:248 Resp: 12245

Ion Ratio Lower Upper

248 100

250 184.1 77.1 115.7#

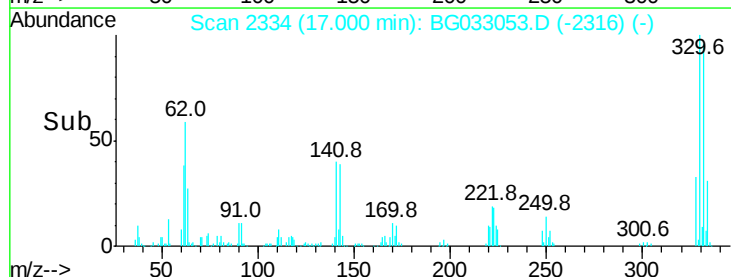
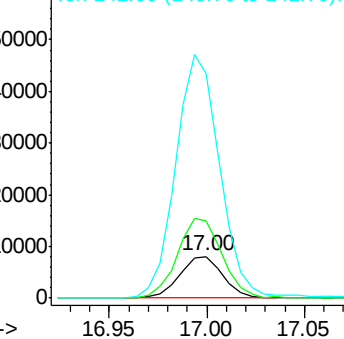
141 537.4 50.8 76.2#

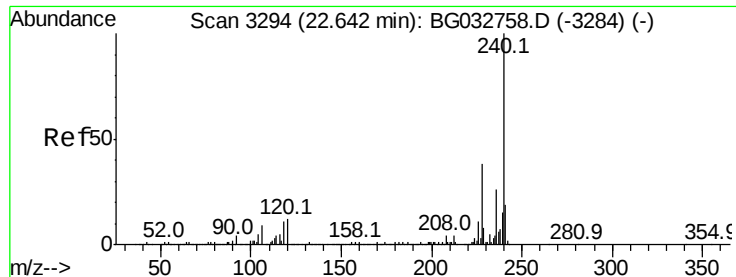


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG033053.D

Acq: 8 Mar 2018 22:54

Instrument :

BNA_G

ClientSampleId :

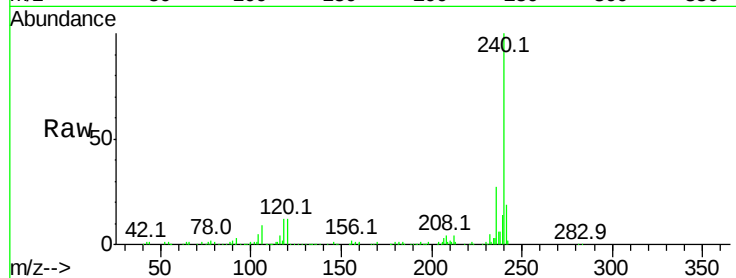
Tot Ion:240 Resp: 251539

Ion Ratio Lower Upper

240 100

120 11.9 6.8 10.2#

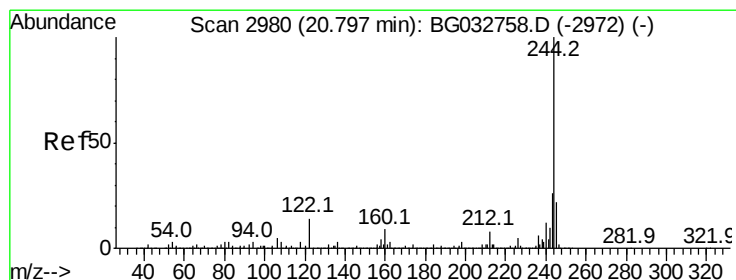
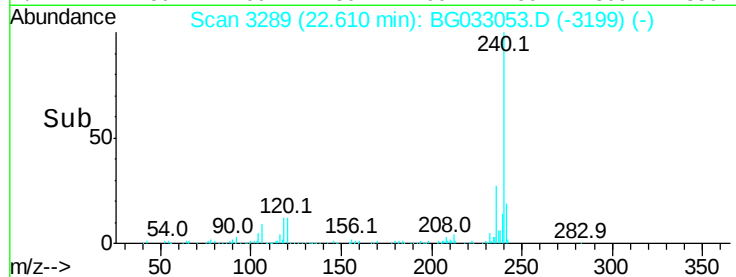
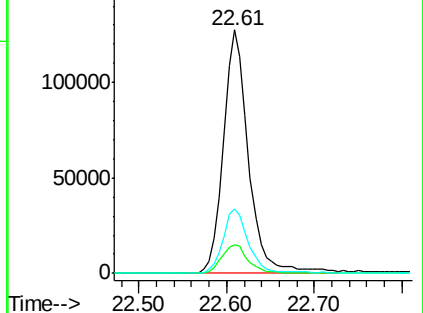
236 26.6 20.9 31.3



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: 92.491 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033053.D

Acq: 8 Mar 2018 22:54

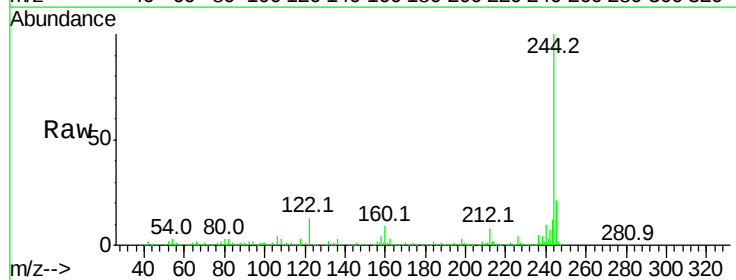
Tgt Ion:244 Resp: 1035510

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

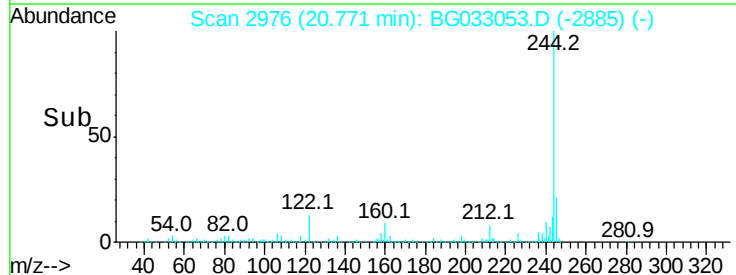
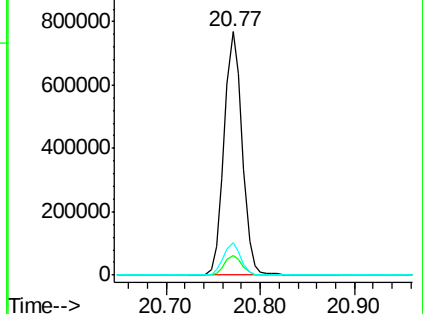
122 13.3 7.0 10.4#

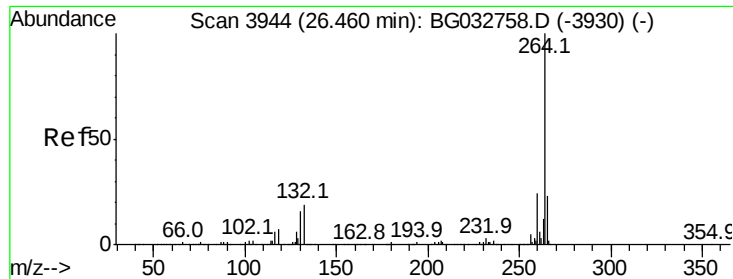


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.42 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: BG033053.D
 Acq: 8 Mar 2018 22:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.2	17.7	26.5

