

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033939.D
 Acq On : 24 Apr 2018 3:36
 Operator : SJ/JU
 Sample : J2493-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 04:20:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

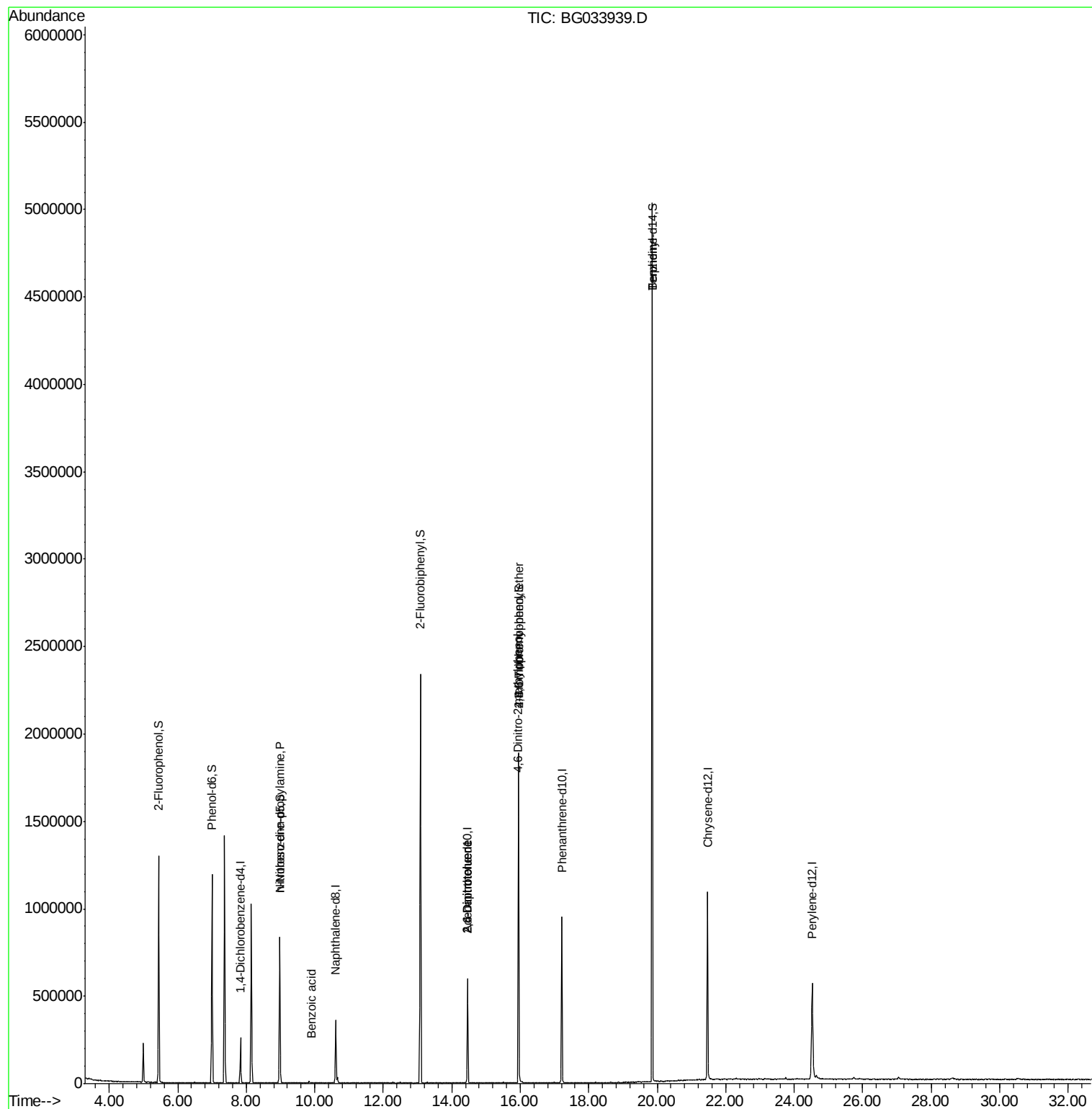
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	69182	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	312949	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	207255	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	578012	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	629625	20.00	ng	-0.02
86) Perylene-d12	24.53	264	613246	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	547325	126.31	ng	0.00
7) Phenol-d6	7.00	99	673798	106.61	ng	0.00
23) Nitrobenzene-d5	8.97	82	506919	92.18	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	334872	138.49	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1229023	87.11	ng	-0.02
78) Terphenyl-d14	19.85	244	2309832	82.42	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.99	77	1421	Below Cal	Qvalue	# 19
19) n-Nitroso-di-n-propylamine	8.98	70	69078	12.822 ng	#	79
32) Benzoic acid	9.91	122	269	5.138 ng	#	74
50) 2,6-Dinitrotoluene	14.46	165	27533	7.969 ng	#	20
56) 2,4-Dinitrotoluene	14.46	165	27533	5.993 ng	#	18
64) 4,6-Dinitro-2-methylphenol	15.94	198	959	6.787 ng		85
66) 4-Bromophenyl-phenylether	15.95	248	19957	3.144 ng	#	1
76) Benzydine	19.85	184	38891	2.287 ng	#	92

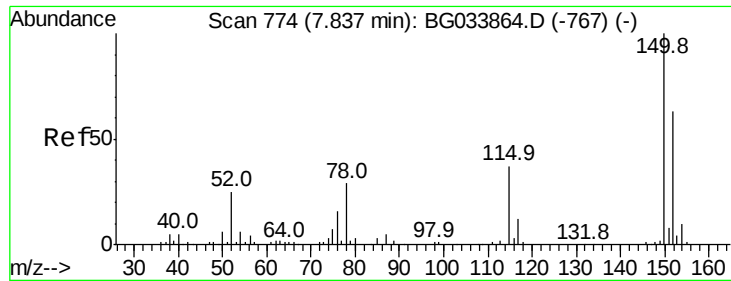
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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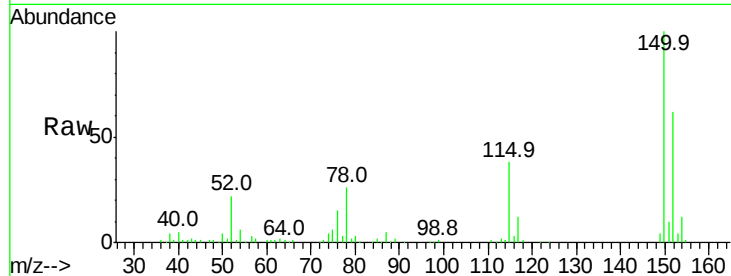


#1

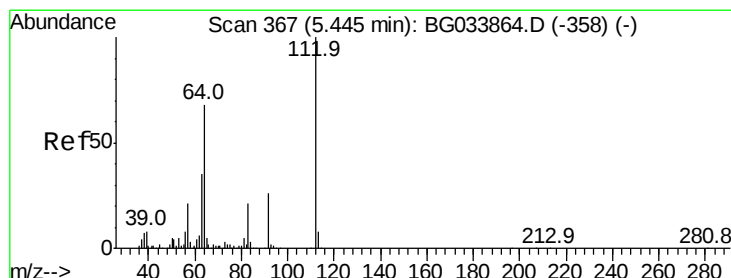
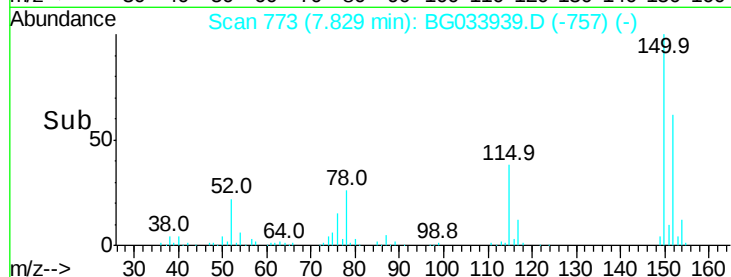
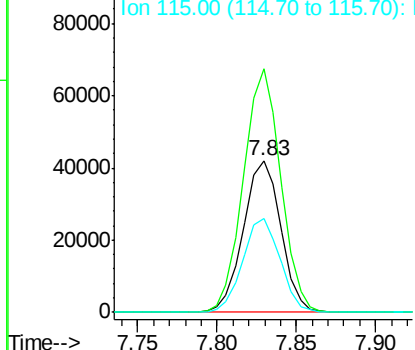
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033939.D
 Acq: 24 Apr 2018 3:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.6	189.8
115	61.4	53.0	79.4



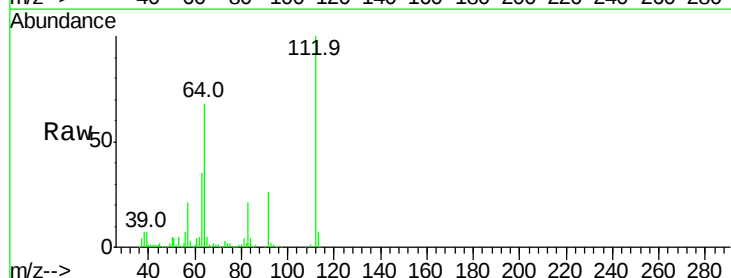
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



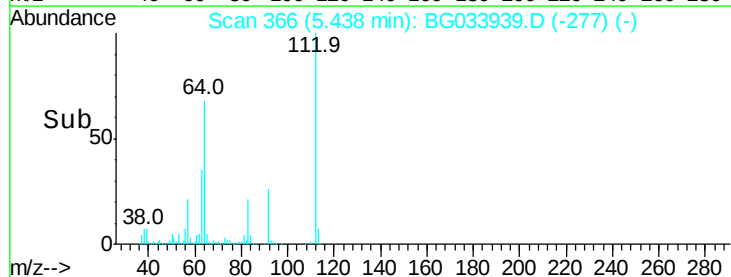
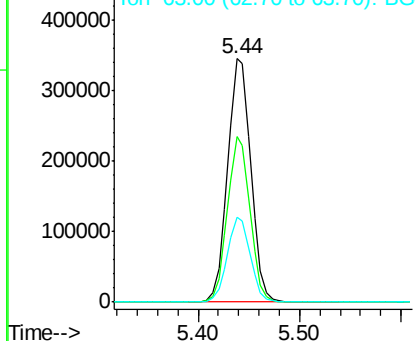
#5

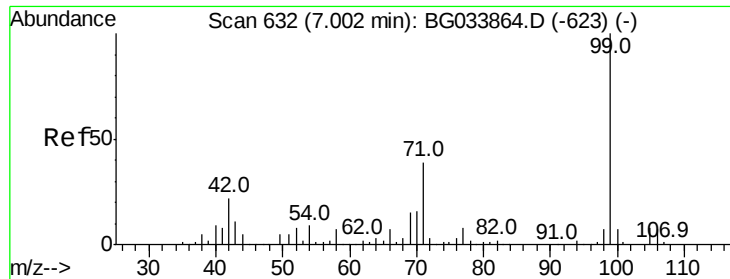
2-Fluorophenol
 Concen: 126.308 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG033939.D
 Acq: 24 Apr 2018 3:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	56.3	84.5
63	34.7	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: 106.608 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033939.D

Acq: 24 Apr 2018 3:36

Instrument :

BNA_G

ClientSampled :

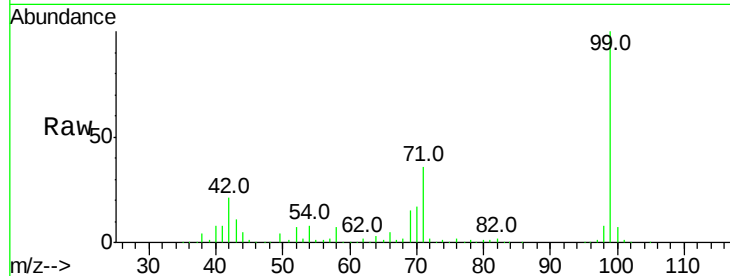
Tot Ion: 99 Resp: 673798

Ion Ratio Lower Upper

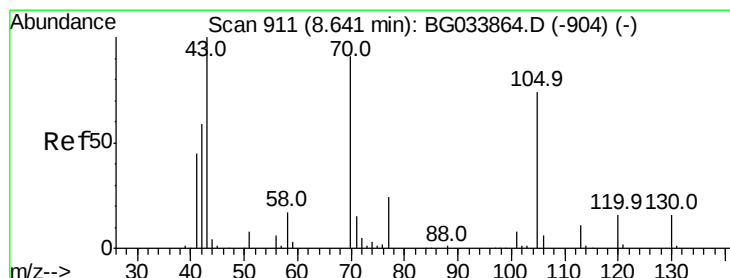
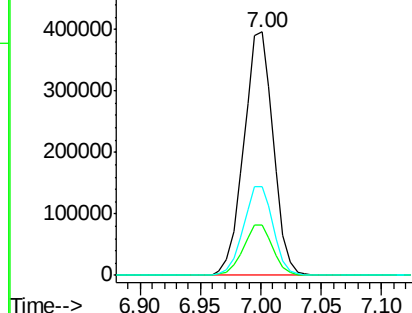
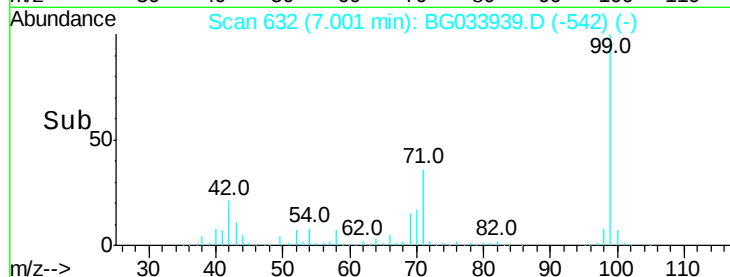
99 100

42 20.8 14.1 21.1

71 36.2 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: 12.822 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033939.D

Acq: 24 Apr 2018 3:36

Tgt Ion: 70 Resp: 69078

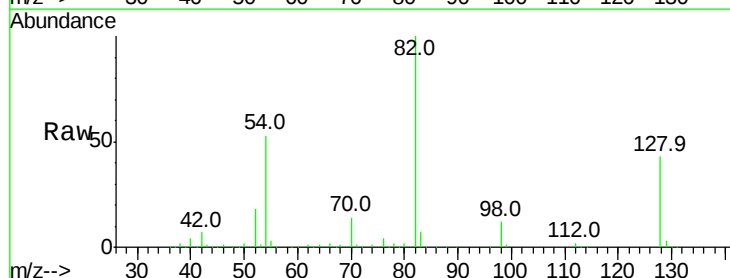
Ion Ratio Lower Upper

70 100

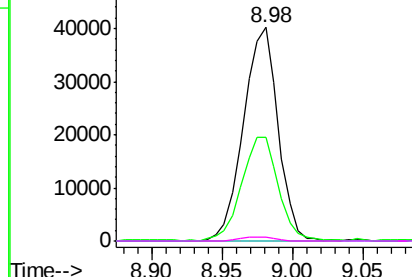
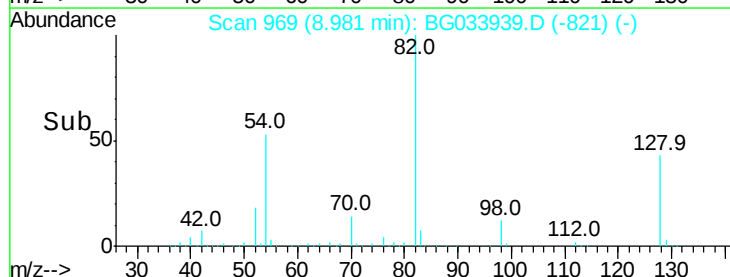
42 48.7 49.1 73.7#

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

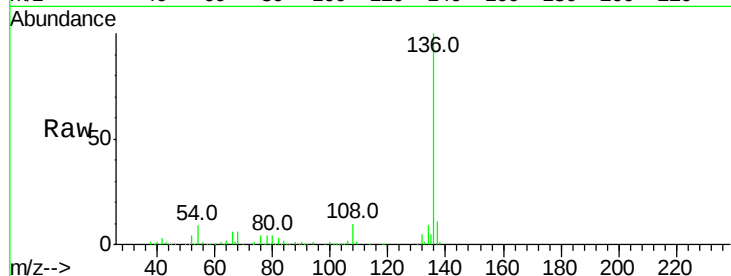




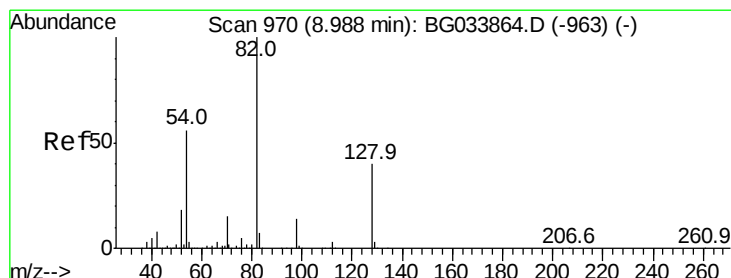
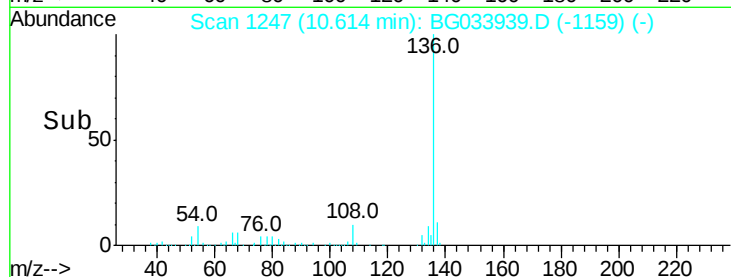
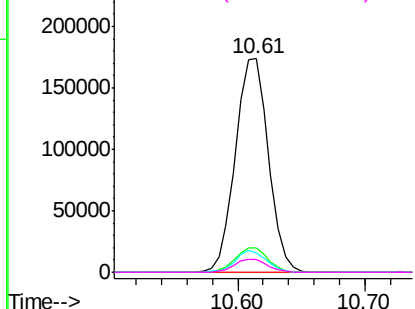
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	312949
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	8.9	10.3 15.5#
68	6.3	4.5 6.7

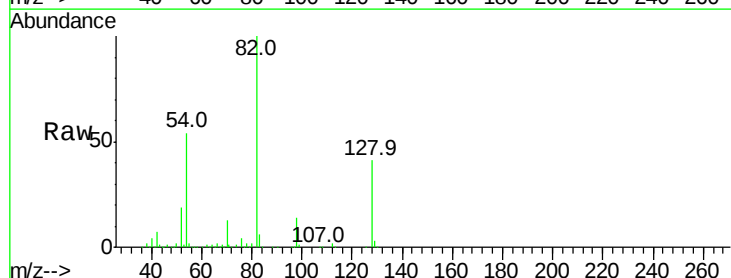


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

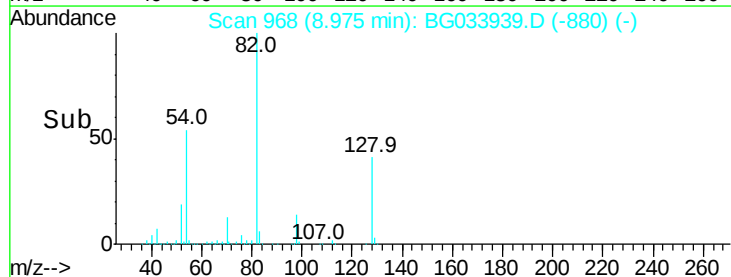
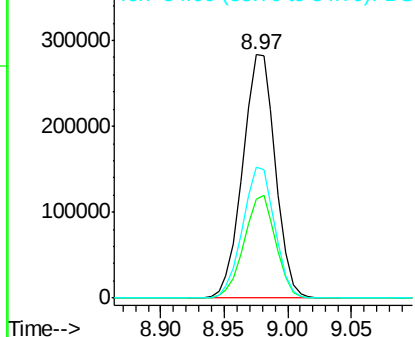


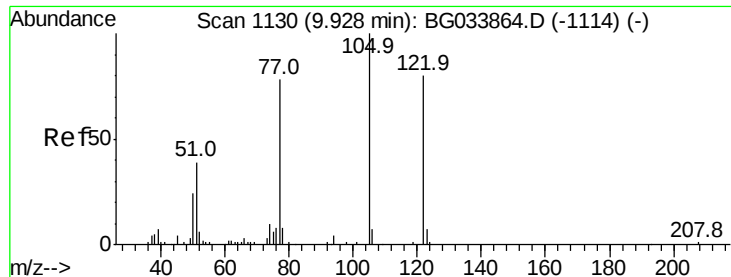
#23
Nitrobenzene-d5
Concen: 92.183 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

Tgt Ion: 82	Resp:	506919
Ion Ratio	Lower	Upper
82	100	
128	40.9	29.7 44.5
54	54.0	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

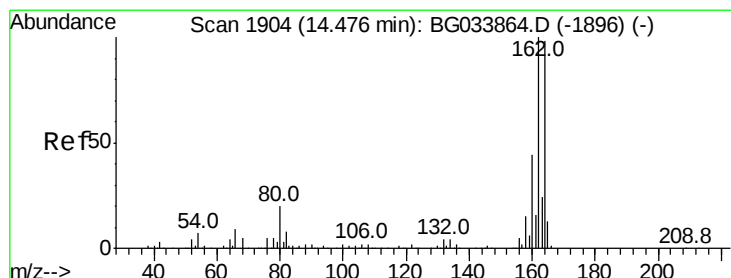
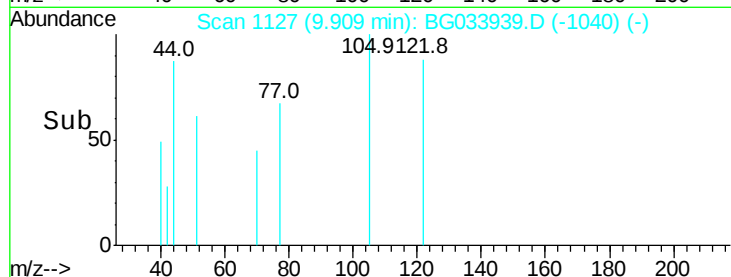
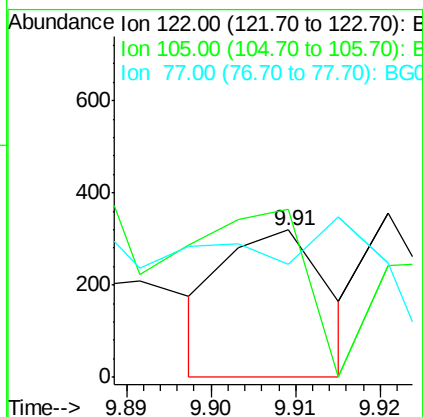
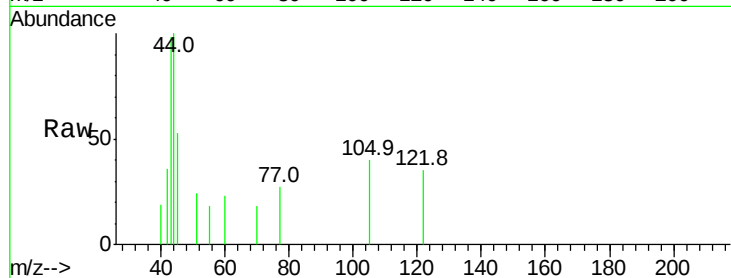




#32
Benzoic acid
Concen: 5.138 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.02 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

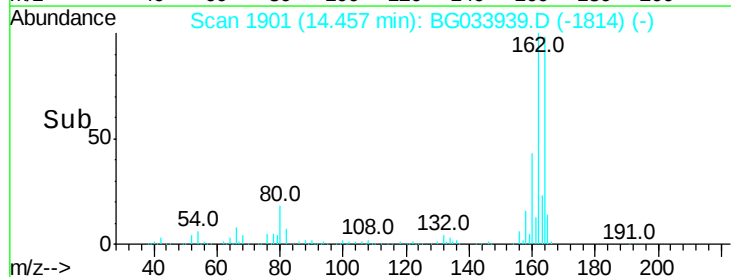
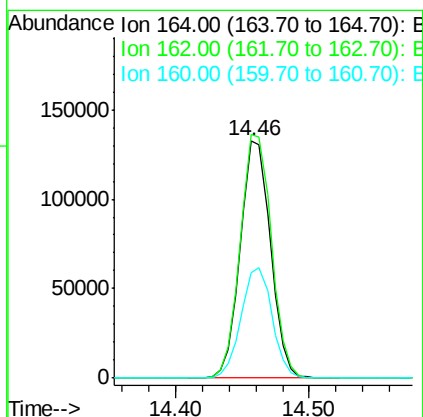
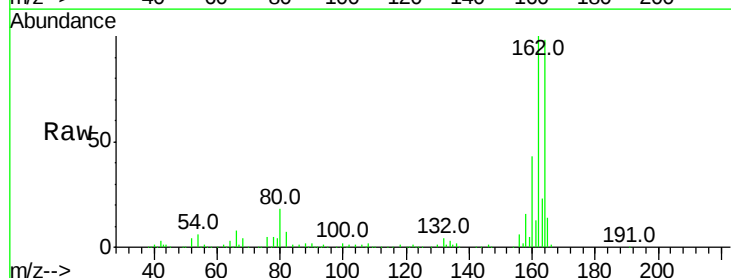
Instrument :
BNA_G
ClientSampleId :

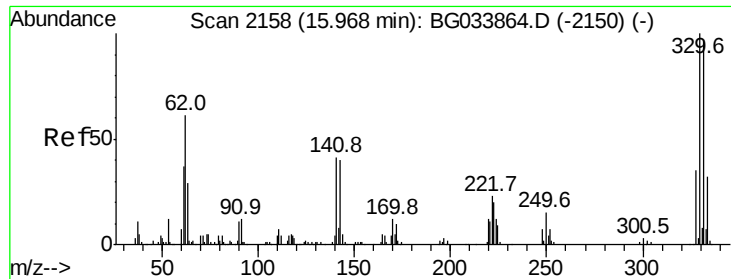
Tot Ion:122 Resp: 269
Ion Ratio Lower Upper
122 100
105 114.1 123.5 163.5#
77 76.5 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

Tgt Ion:164 Resp: 207255
Ion Ratio Lower Upper
164 100
162 102.5 78.8 118.2
160 44.3 35.4 53.0

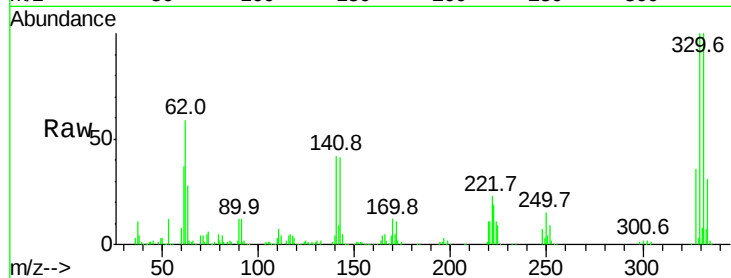




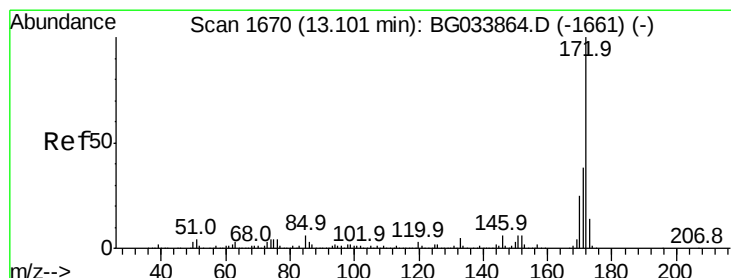
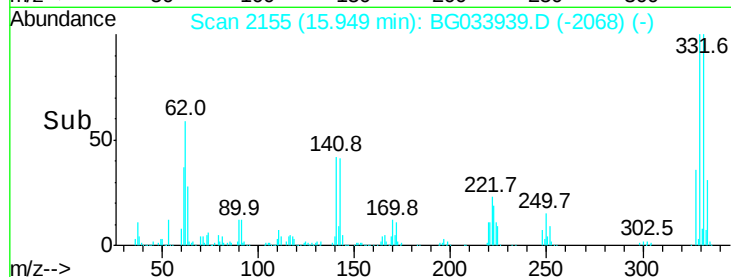
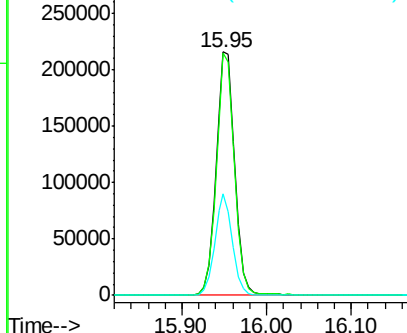
#41
 2,4,6-Tribromophenol
 Concen: 138.494 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033939.D
 Acq: 24 Apr 2018 3:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 334872
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 39.2 25.2 37.8#

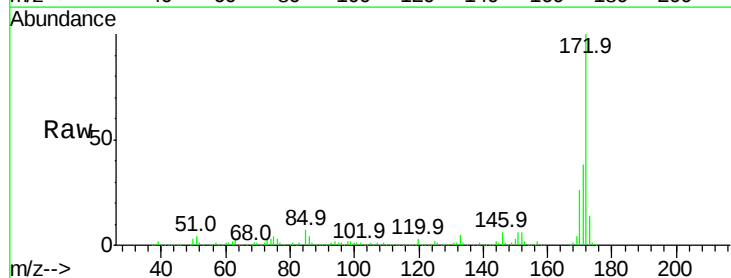


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

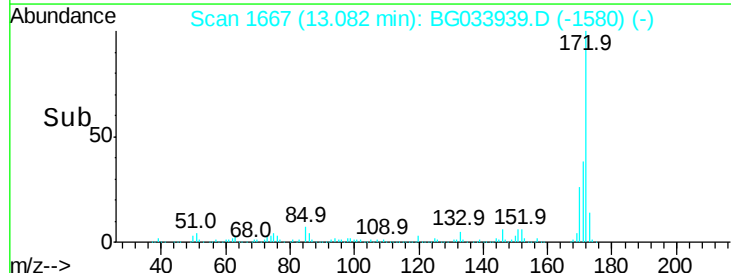
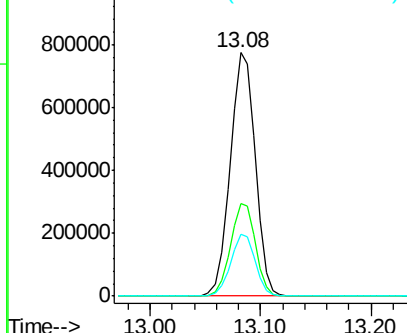


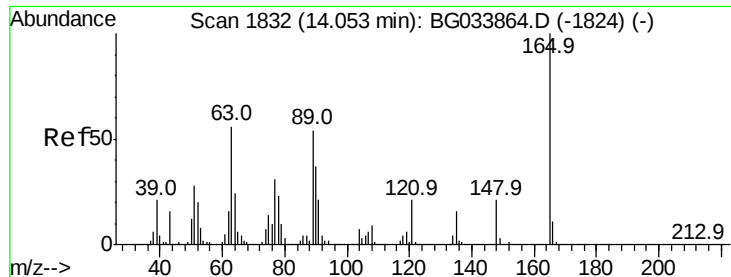
#44
 2-Fluorobiphenyl
 Concen: 87.113 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033939.D
 Acq: 24 Apr 2018 3:36

Tgt Ion:172 Resp: 1229023
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 25.5 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

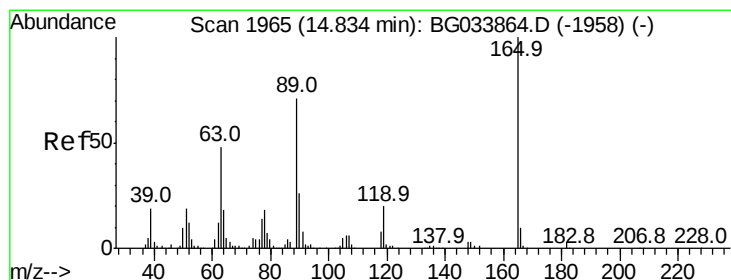
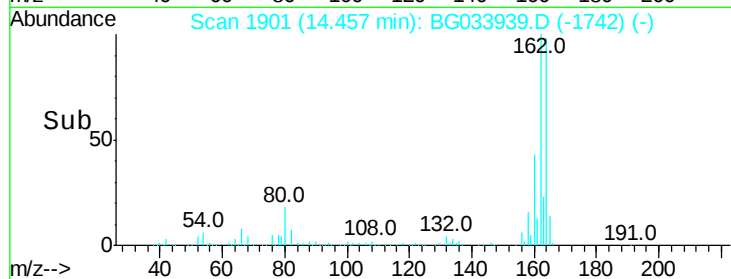
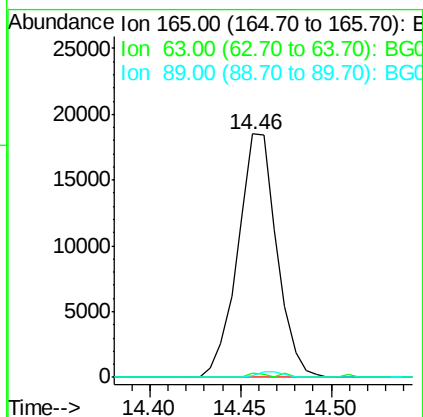
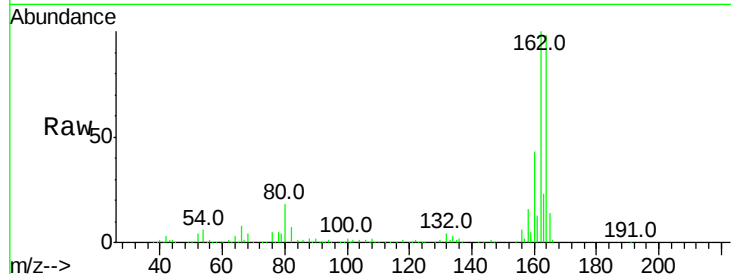




#50
2,6-Dinitrotoluene
Concen: 7.969 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.40 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

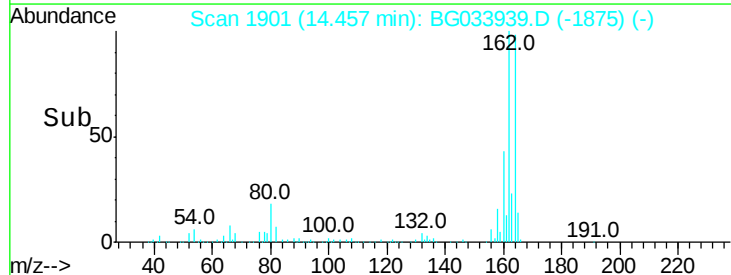
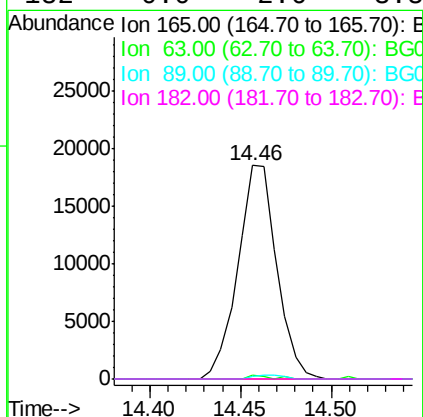
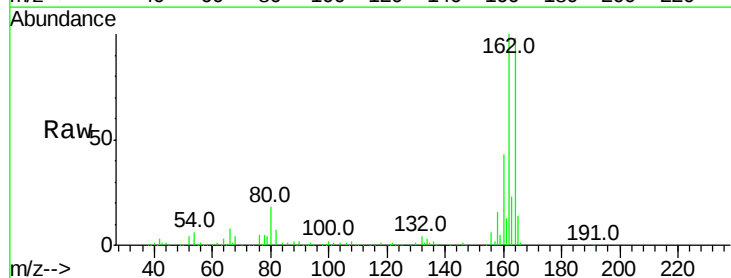
Instrument :
BNA_G
ClientSampleId :

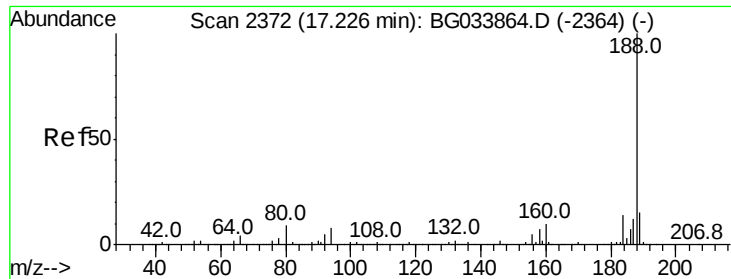
Tot Ion:165 Resp: 27533
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 0.9 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 5.993 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.38 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

Tgt Ion:165 Resp: 27533
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 0.9 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2370

Delta R.T. -0.01 min

Lab File: BG033939.D

Acq: 24 Apr 2018 3:36

Instrument :

BNA_G

ClientSampleId :

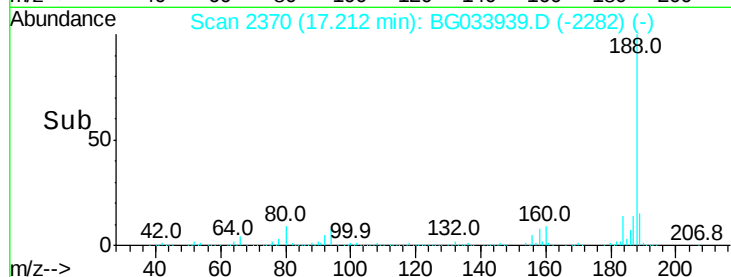
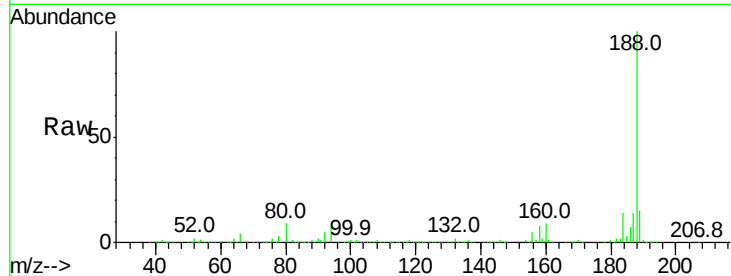
Tot Ion:188 Resp: 578012

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

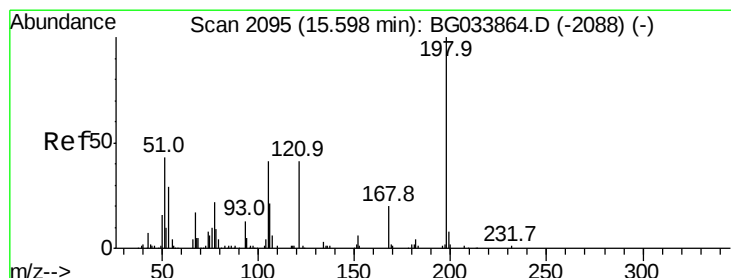
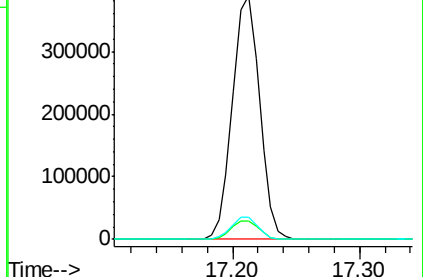
80 9.0 7.7 11.5



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: 6.787 ng

RT: 15.94 min Scan# 2153

Delta R.T. 0.34 min

Lab File: BG033939.D

Acq: 24 Apr 2018 3:36

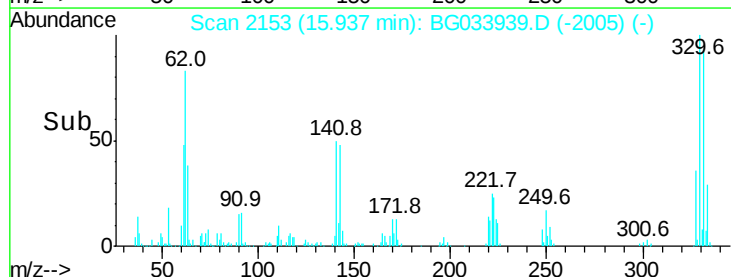
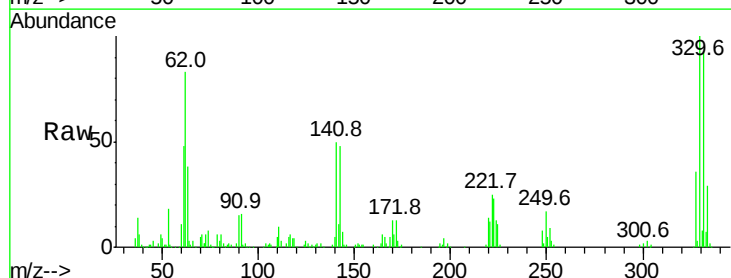
Tgt Ion:198 Resp: 959

Ion Ratio Lower Upper

198 100

51 43.0 30.6 70.6

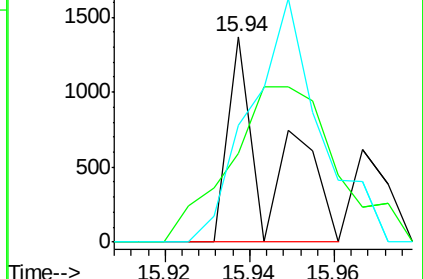
105 56.9 23.8 63.8

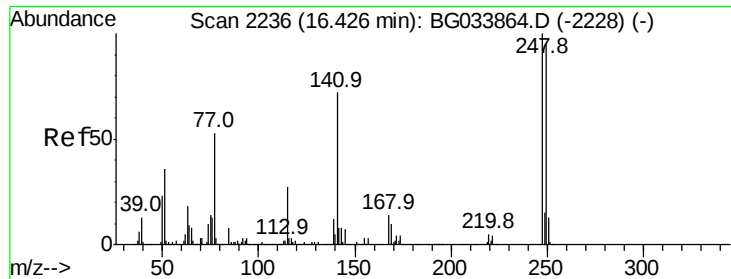


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

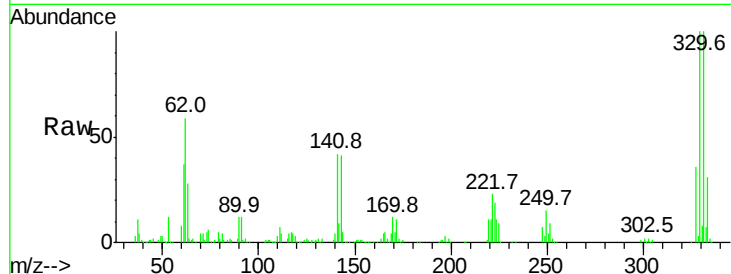




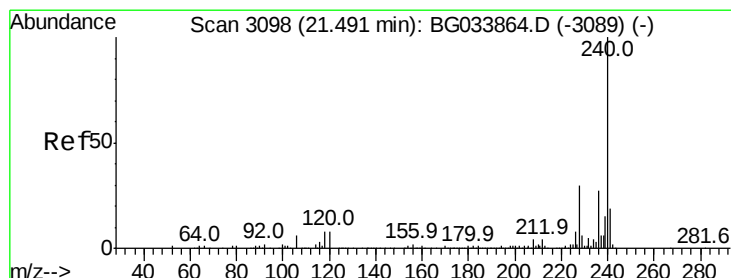
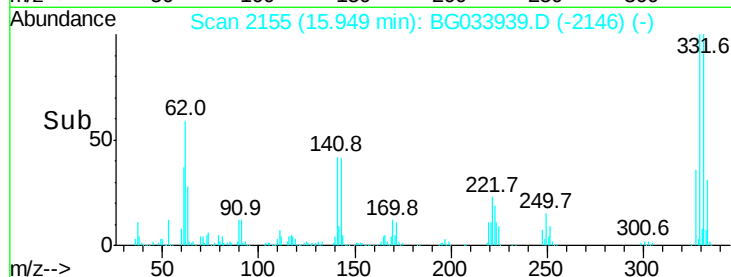
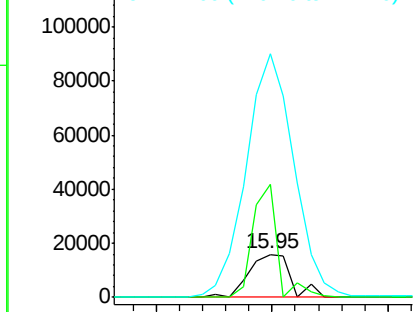
#66
 4-Bromophenyl-phenylether
 Concen: 3.144 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033939.D
 Acq: 24 Apr 2018 3:36

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 19957
 Ion Ratio Lower Upper
 248 100
 250 194.8 77.1 115.7#
 141 420.4 50.8 76.2#

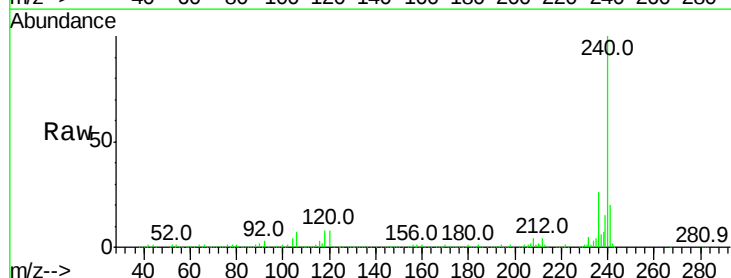


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

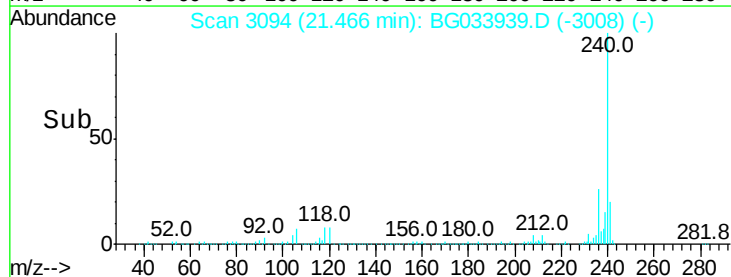
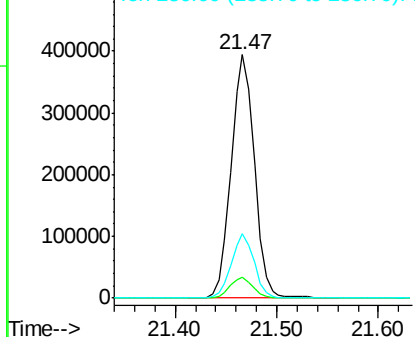


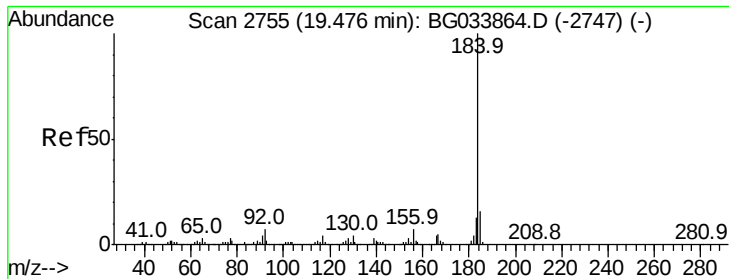
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.02 min
 Lab File: BG033939.D
 Acq: 24 Apr 2018 3:36

Tgt Ion:240 Resp: 629625
 Ion Ratio Lower Upper
 240 100
 120 8.5 6.8 10.2
 236 26.3 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: 2.287 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.37 min

Lab File: BG033939.D

Acq: 24 Apr 2018 3:36

Instrument :

BNA_G

ClientSampleId :

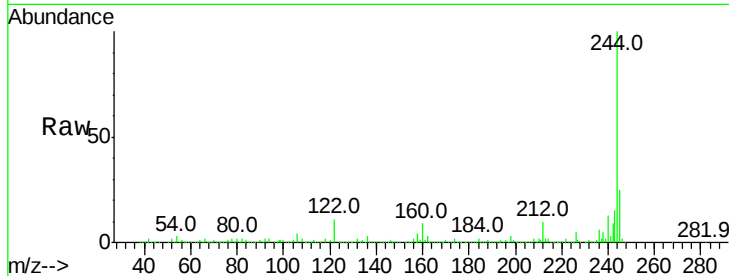
Tot Ion:184 Resp: 38891

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

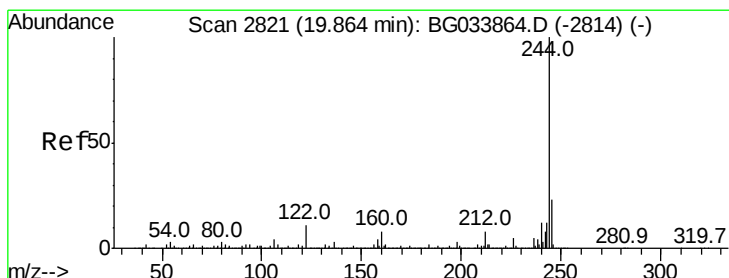
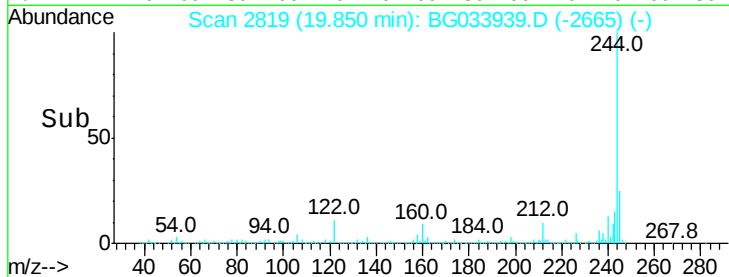
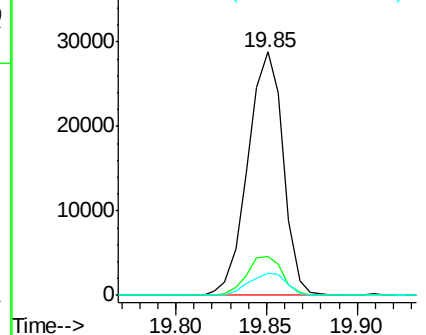
183 8.9 10.6 16.0#



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: 82.419 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033939.D

Acq: 24 Apr 2018 3:36

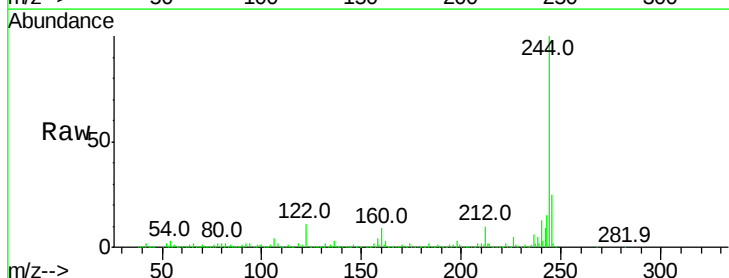
Tgt Ion:244 Resp: 2309832

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

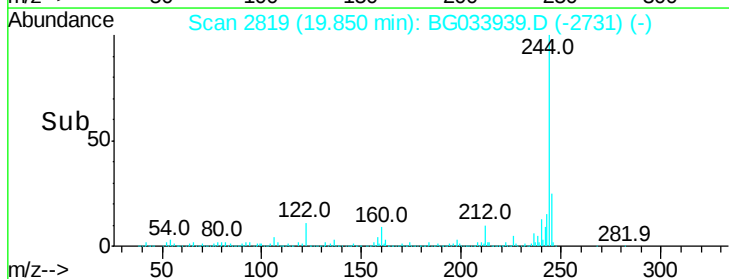
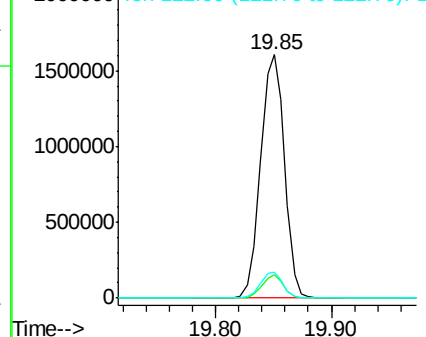
122 10.9 7.0 10.4#

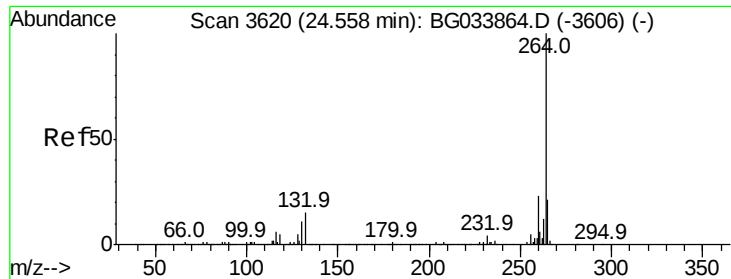


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

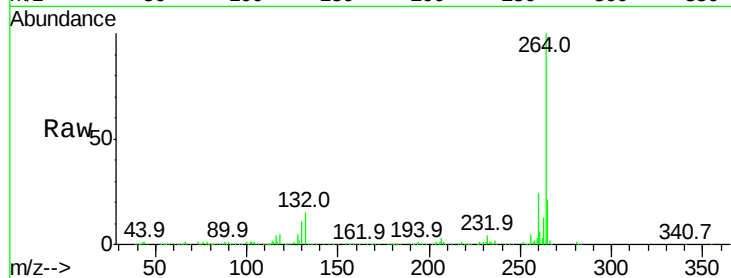




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.53 min Scan# 3615
Delta R.T. -0.03 min
Lab File: BG033939.D
Acq: 24 Apr 2018 3:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.7	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

