

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033916.D
 Acq On : 23 Apr 2018 12:06
 Operator : SJ/JU
 Sample : J2492-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 03:16:18 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

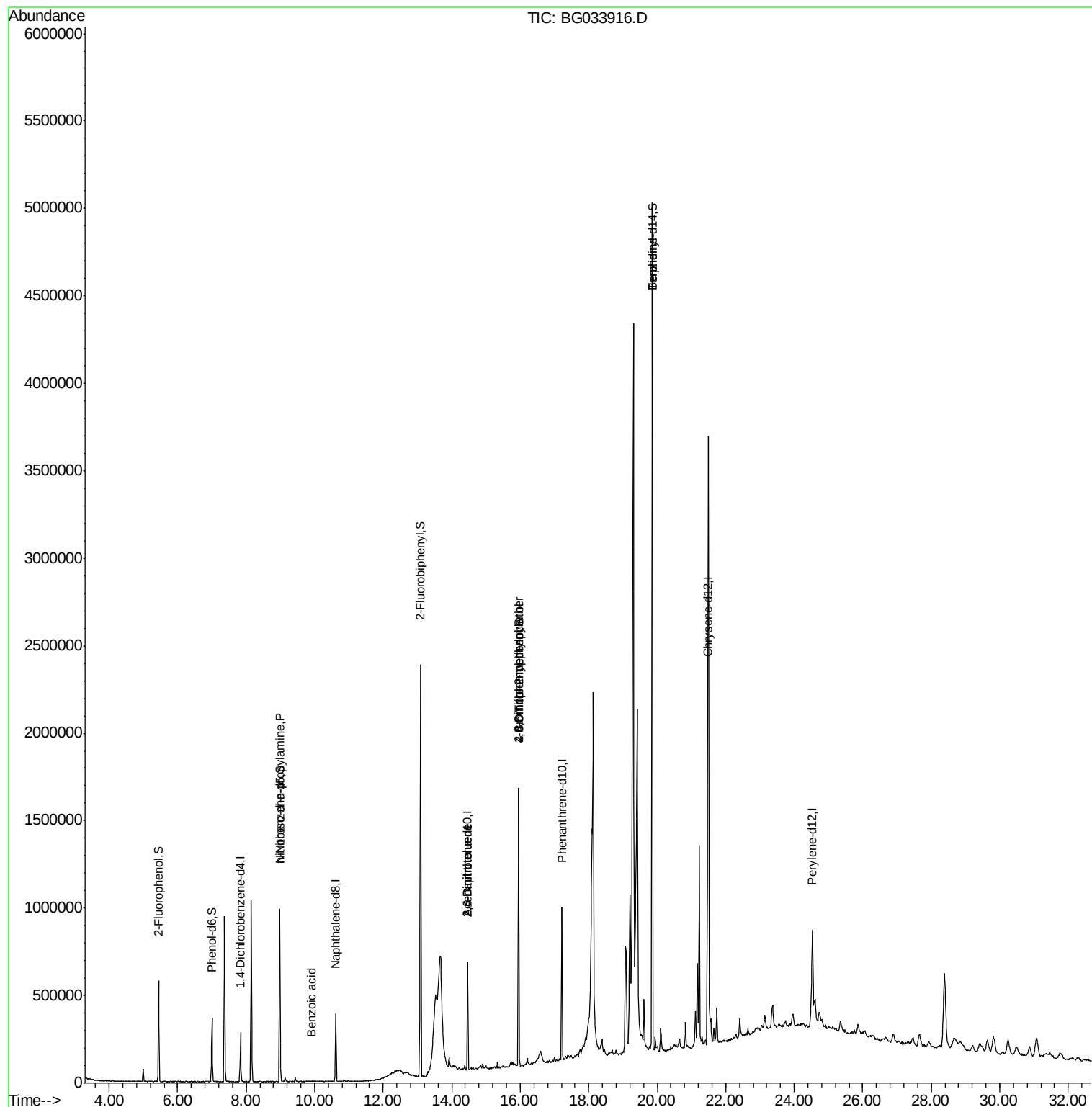
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	74229	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	329519	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	203985	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	511363	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	562419	20.00	ng	-0.02
86) Perylene-d12	24.53	264	565705	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	237646	51.11	ng	0.00
7) Phenol-d6	7.00	99	201133	29.66	ng	0.00
23) Nitrobenzene-d5	8.98	82	586592	101.31	ng	0.00
41) 2,4,6-Tribromophenol	15.96	330	284594	119.59	ng	-0.01
44) 2-Fluorobiphenyl	13.09	172	1234822	88.93	ng	-0.01
78) Terphenyl-d14	19.85	244	2190571	87.50	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.97	77	191	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.98	70	82878	14.337 ng	#	79
32) Benzoic acid	9.92	122	68	5.097 ng	#	26
50) 2,6-Dinitrotoluene	14.46	165	26972	7.932 ng	#	22
56) 2,4-Dinitrotoluene	14.46	165	26972	5.965 ng	#	20
64) 4,6-Dinitro-2-methylphenol	15.95	198	886	6.800 ng		81
66) 4-Bromophenyl-phenylether	15.95	248	16943	3.017 ng	#	1
76) Benzydine	19.85	184	37891	2.495 ng	#	87

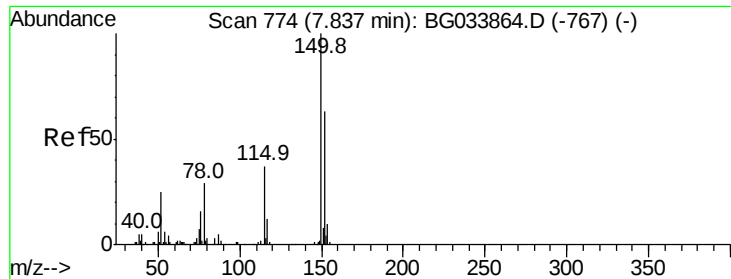
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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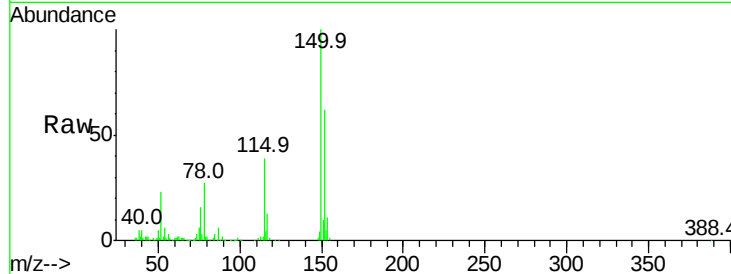


#1

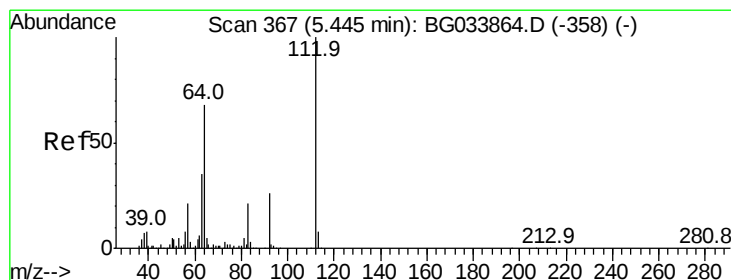
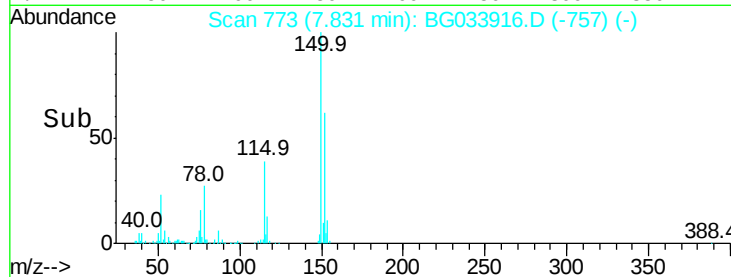
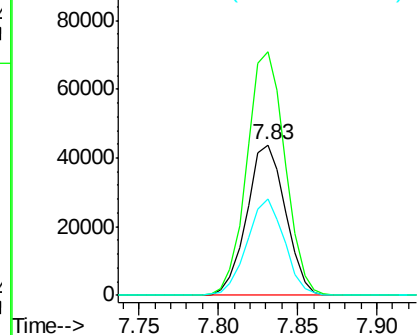
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033916.D
 Acq: 23 Apr 2018 12:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.6	189.8
115	63.8	53.0	79.4



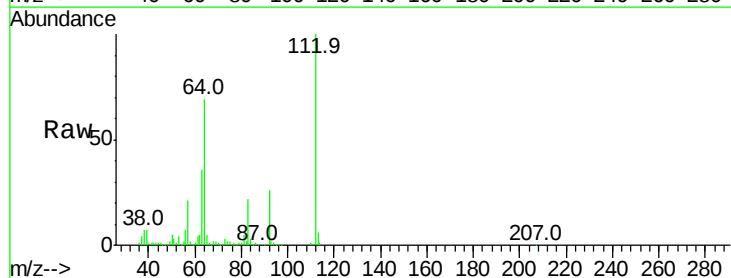
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



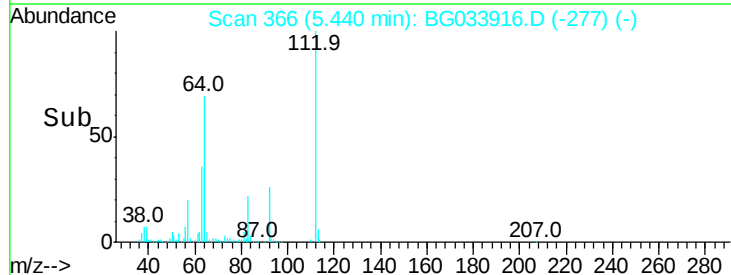
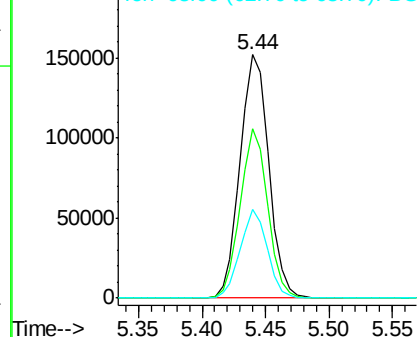
#5

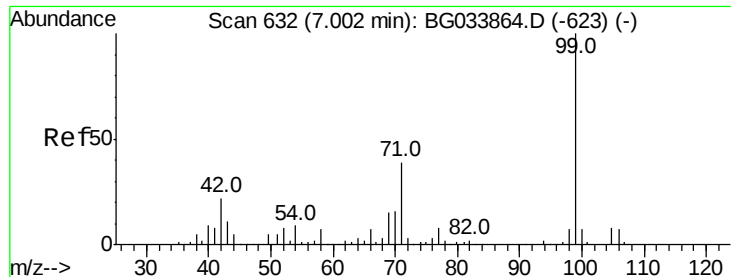
2-Fluorophenol
 Concen: 51.113 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG033916.D
 Acq: 23 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	56.3	84.5
63	36.3	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: 29.659 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033916.D

Acq: 23 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

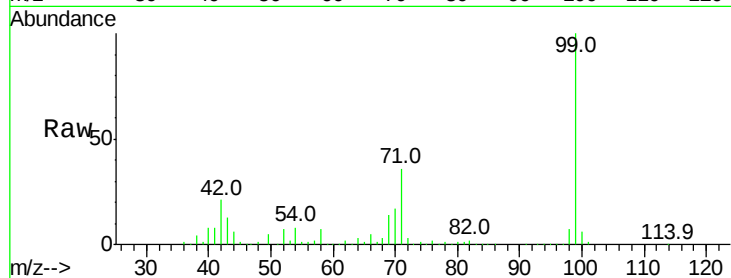
Tot Ion: 99 Resp: 201133

Ion Ratio Lower Upper

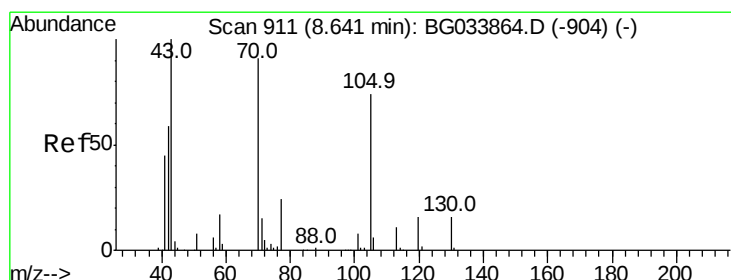
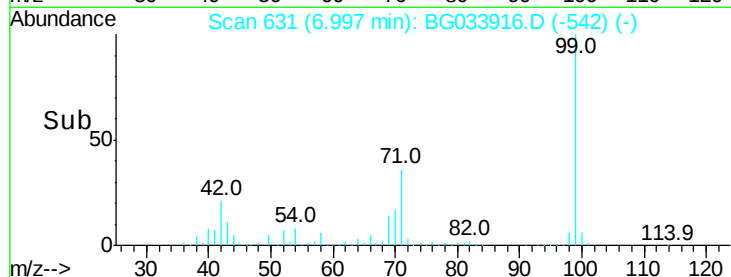
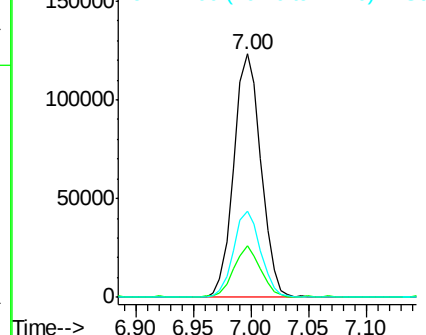
99 100

42 21.2 14.1 21.1#

71 35.6 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: 14.337 ng

RT: 8.98 min Scan# 969

Delta R.T. 0.34 min

Lab File: BG033916.D

Acq: 23 Apr 2018 12:06

Tgt Ion: 70 Resp: 82878

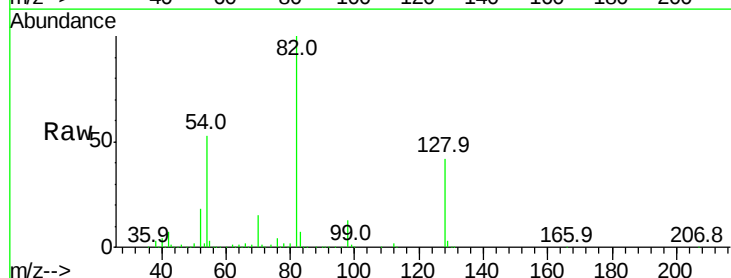
Ion Ratio Lower Upper

70 100

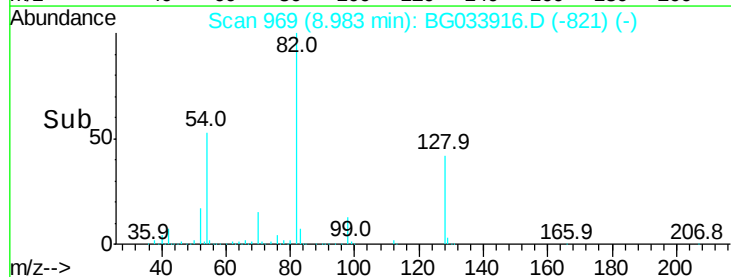
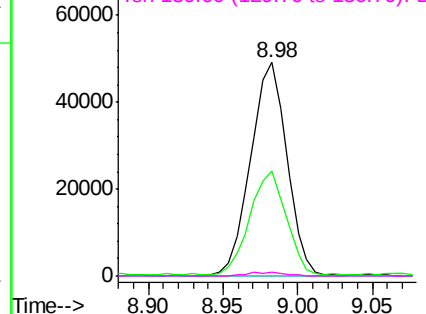
42 49.4 49.1 73.7

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

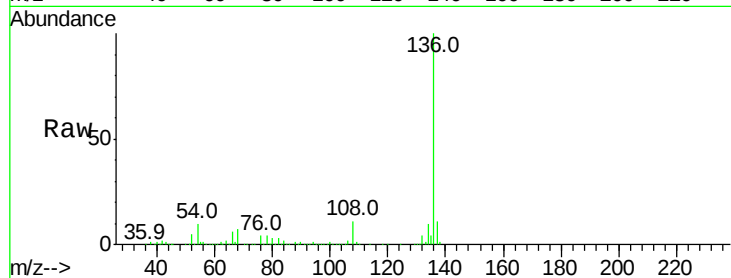




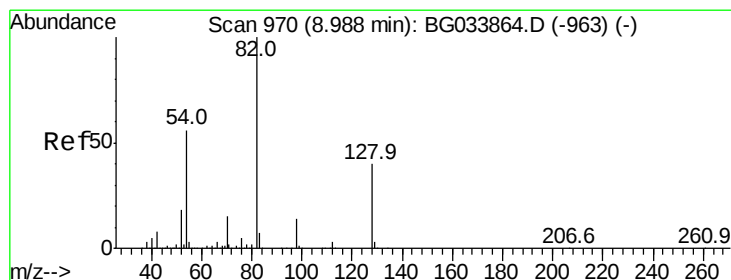
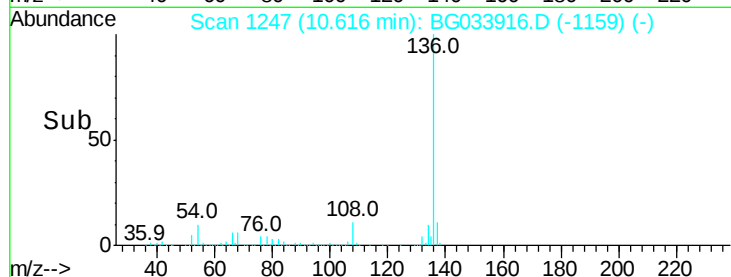
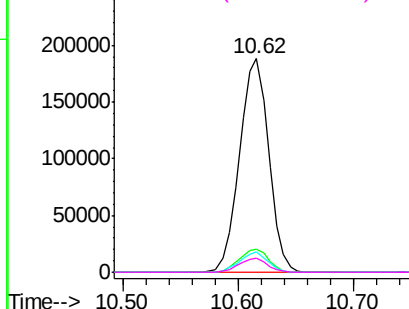
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.62 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033916.D
Acq: 23 Apr 2018 12:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	329519
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	9.7	10.3 15.5
68	6.5	4.5 6.7

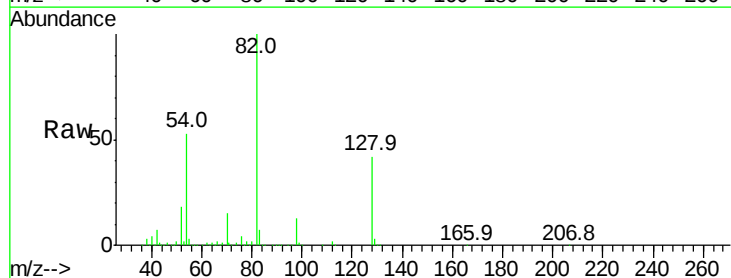


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

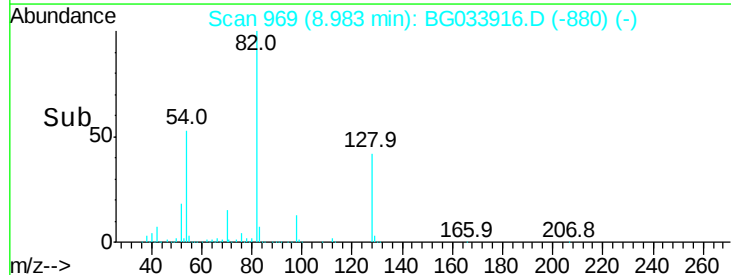
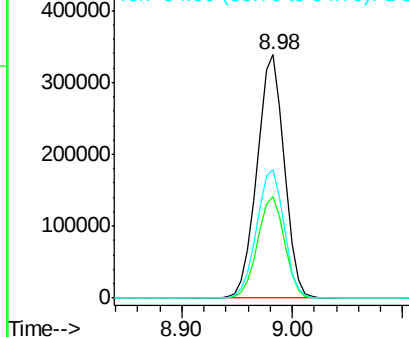


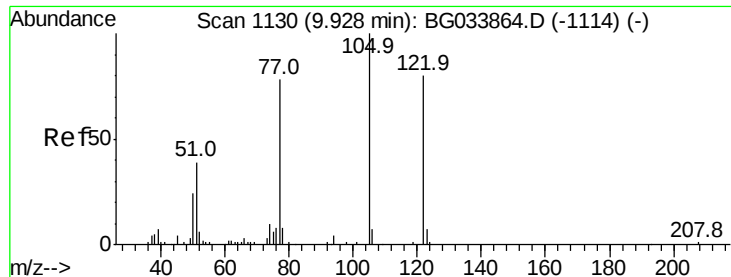
#23
Nitrobenzene-d5
Concen: 101.307 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033916.D
Acq: 23 Apr 2018 12:06

Tgt Ion: 82	Resp:	586592
Ion Ratio	Lower	Upper
82	100	
128	41.8	29.7 44.5
54	52.6	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

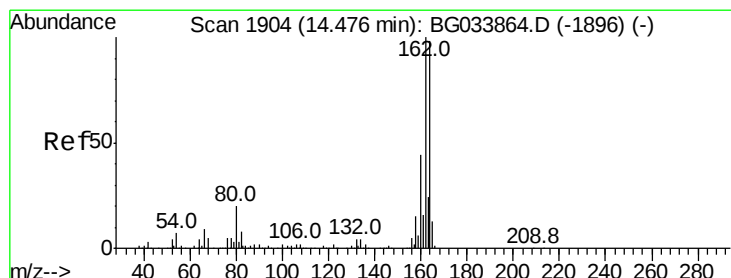
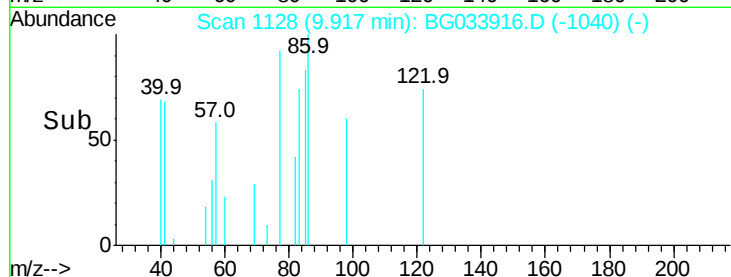
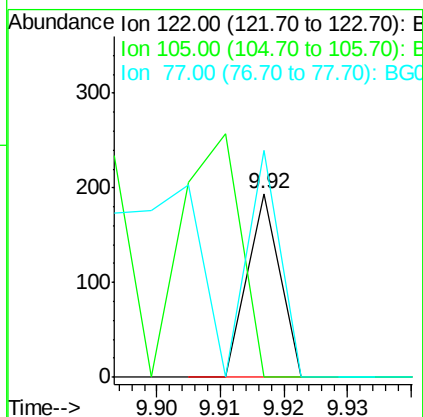
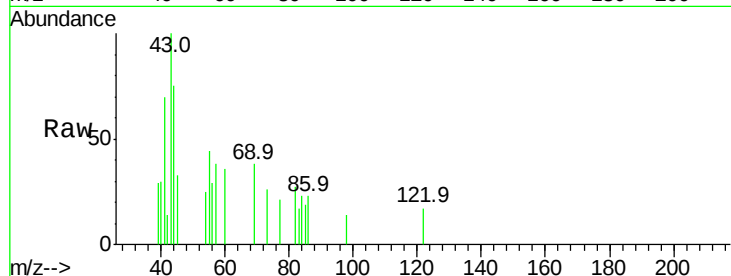




#32
Benzoic acid
Concen: 5.097 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG033916.D
Acq: 23 Apr 2018 12:06

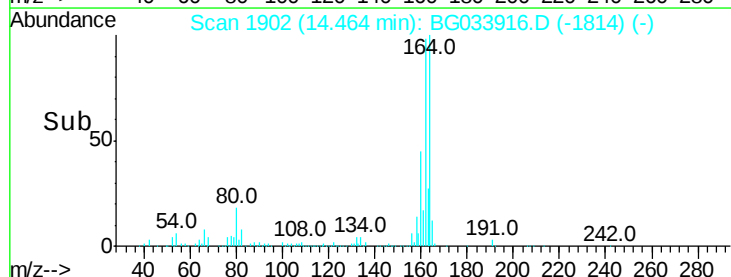
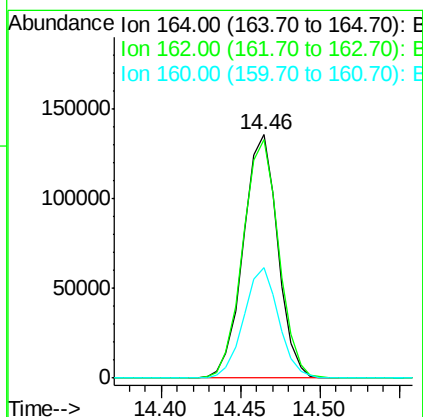
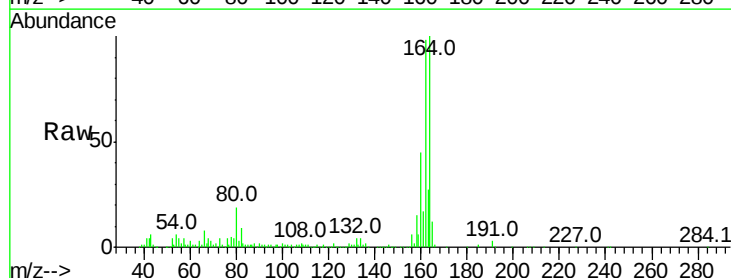
Instrument :
BNA_G
ClientSampleId :

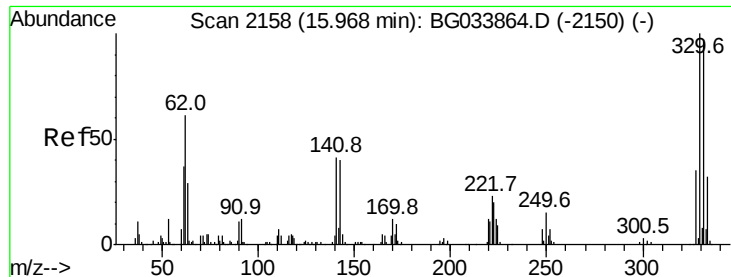
Tot Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 123.7 85.7 125.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BG033916.D
Acq: 23 Apr 2018 12:06

Tgt Ion:164 Resp: 203985
Ion Ratio Lower Upper
164 100
162 98.2 78.8 118.2
160 45.5 35.4 53.0

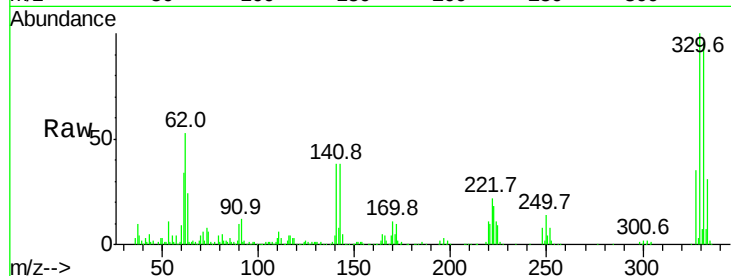




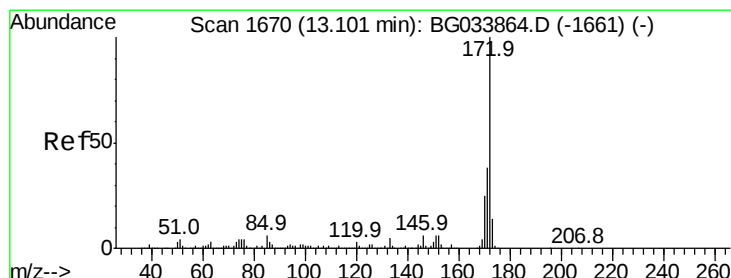
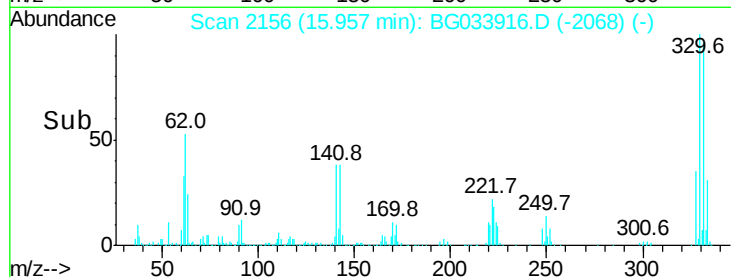
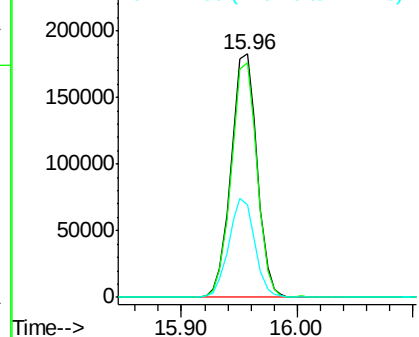
#41
 2,4,6-Tribromophenol
 Concen: 119.587 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. -0.01 min
 Lab File: BG033916.D
 Acq: 23 Apr 2018 12:06

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	40.5	25.2	37.8#

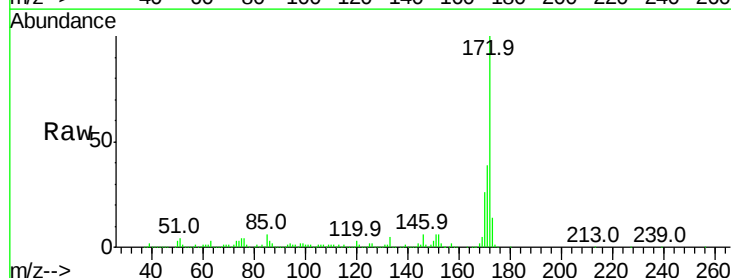


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

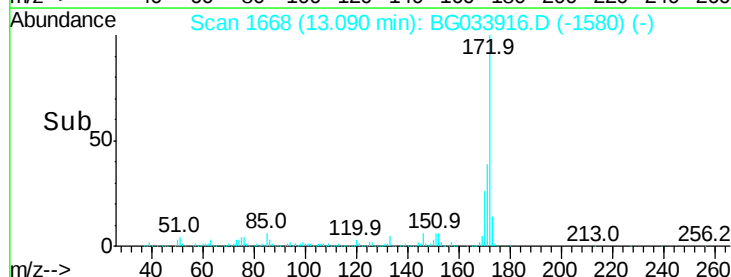
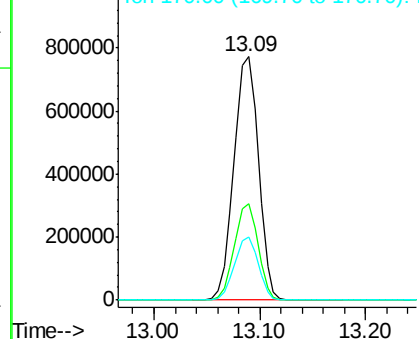


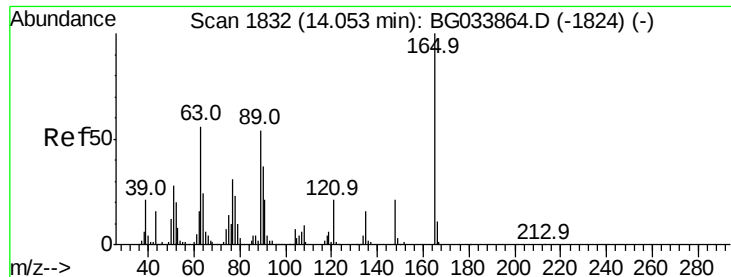
#44
 2-Fluorobiphenyl
 Concen: 88.927 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033916.D
 Acq: 23 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.4	30.0	45.0
170	25.9	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

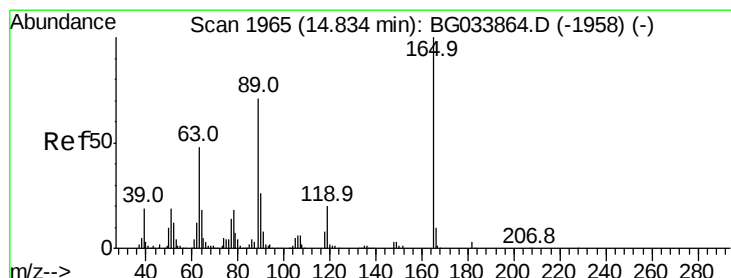
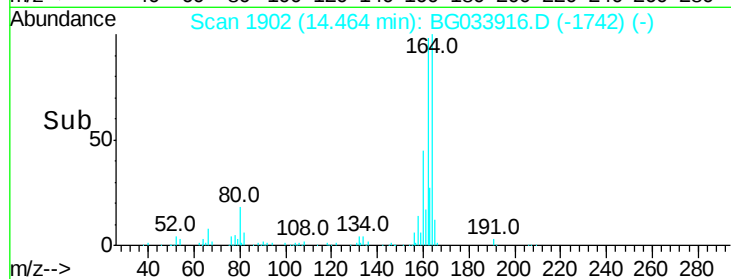
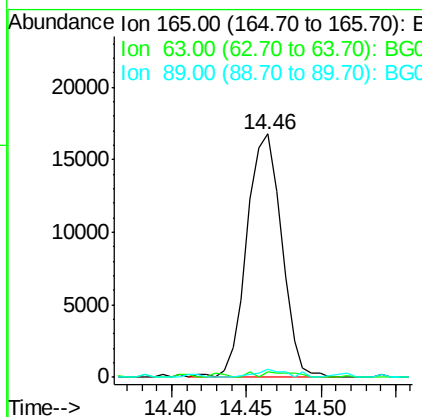
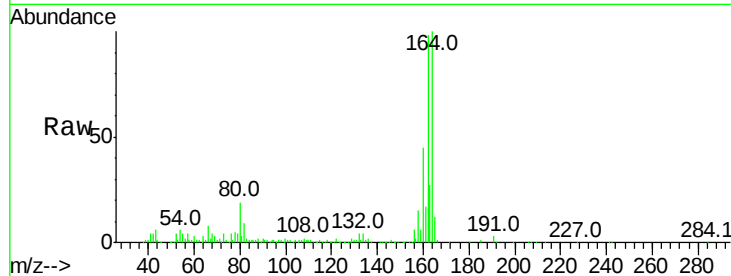




#50
 2,6-Dinitrotoluene
 Concen: 7.932 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033916.D
 Acq: 23 Apr 2018 12:06

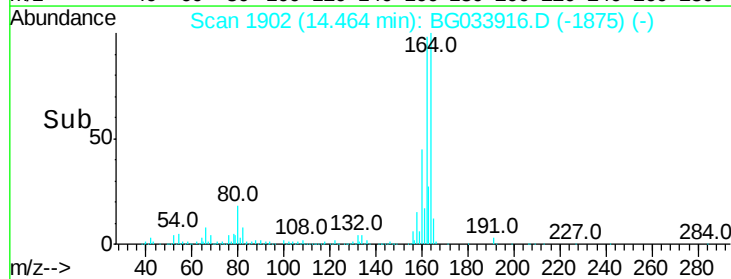
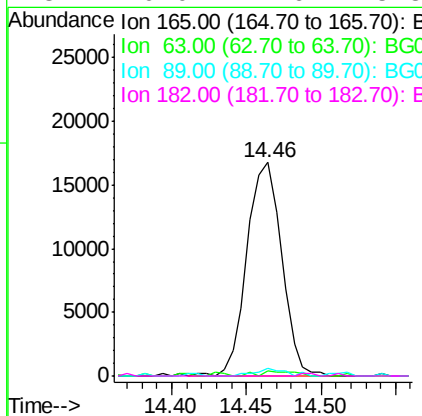
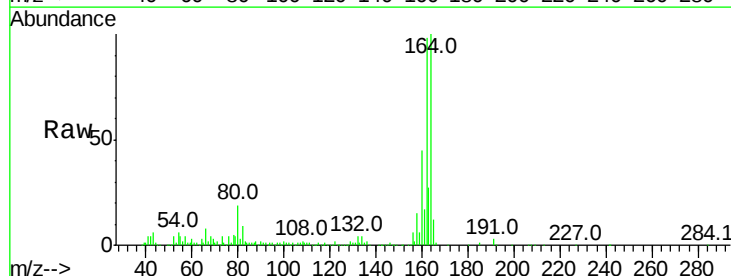
Instrument :
 BNA_G
 ClientSampleId :

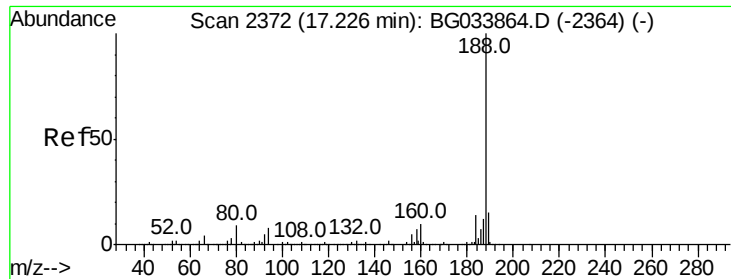
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	52.7	79.1#
89	3.4	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.965 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033916.D
 Acq: 23 Apr 2018 12:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	42.0	63.0#
89	3.4	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: BG033916.D

Acq: 23 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

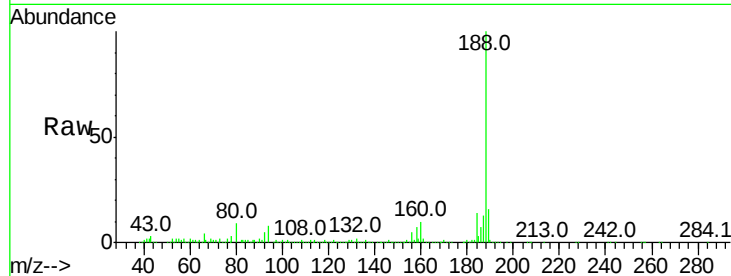
Tot Ion:188 Resp: 511363

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

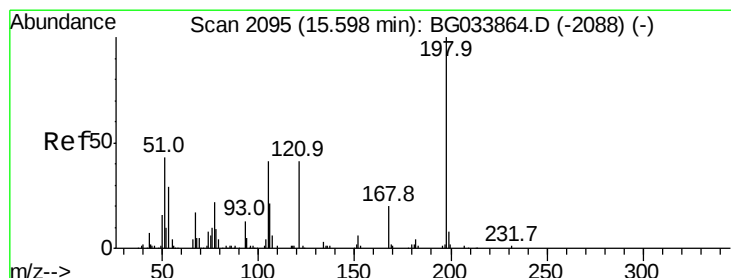
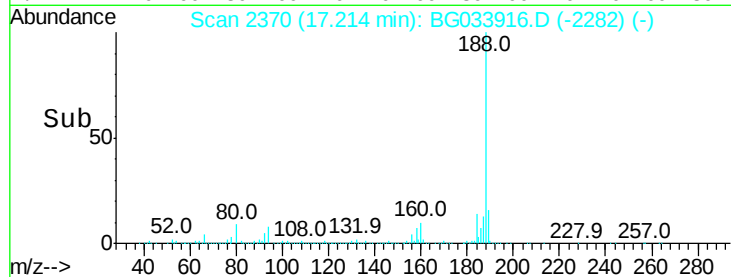
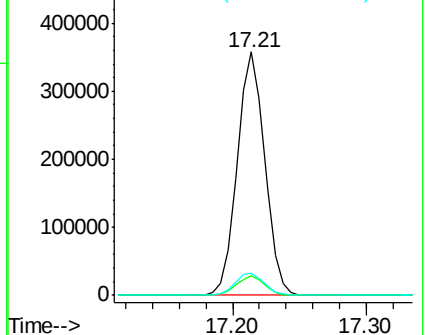
80 9.1 7.7 11.5



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: 6.800 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033916.D

Acq: 23 Apr 2018 12:06

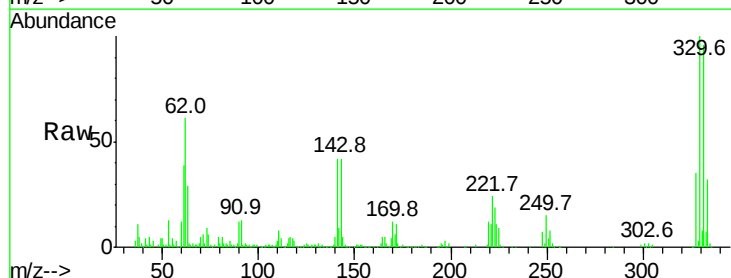
Tgt Ion:198 Resp: 886

Ion Ratio Lower Upper

198 100

51 34.0 30.6 70.6

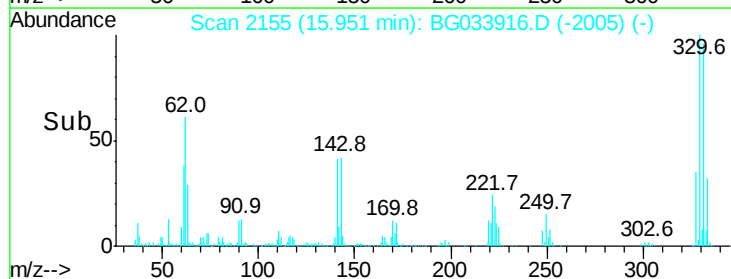
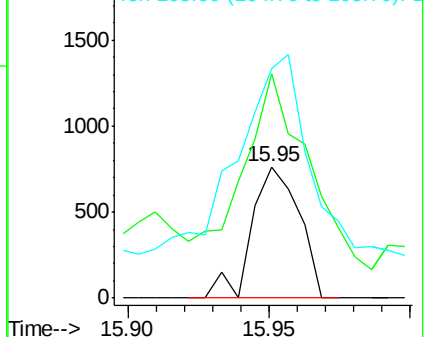
105 34.8 23.8 63.8

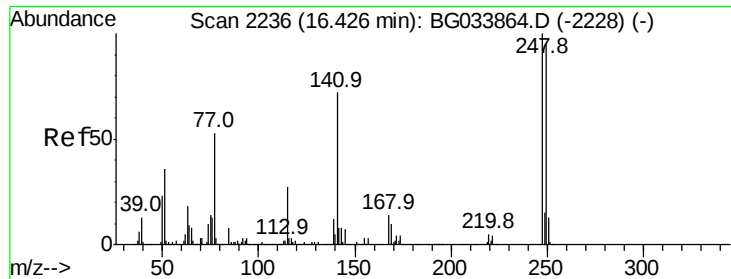


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

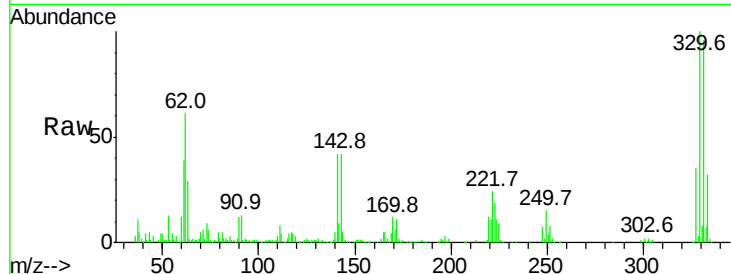




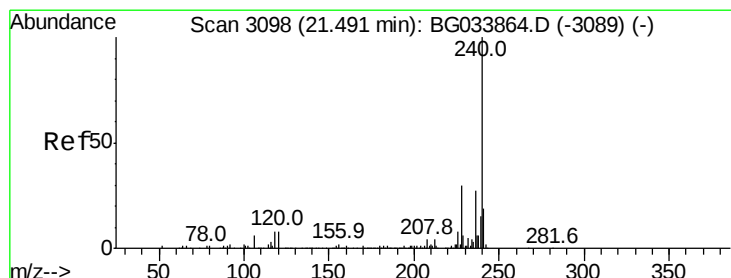
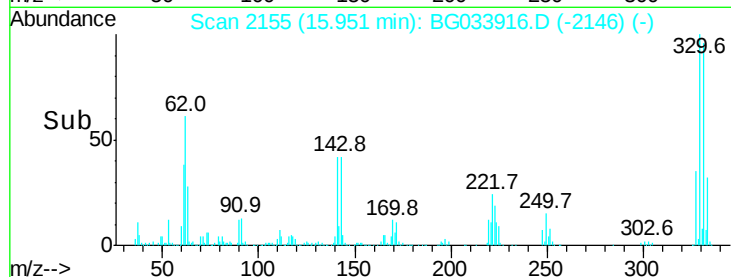
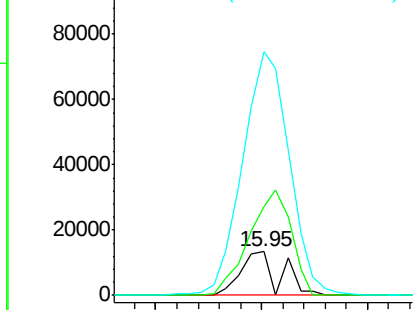
#66
4-Bromophenyl-phenylether
Concen: 3.017 ng
RT: 15.95 min Scan# 2155
Delta R.T. -0.48 min
Lab File: BG033916.D
Acq: 23 Apr 2018 12:06

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16943
Ion Ratio Lower Upper
248 100
250 199.1 77.1 115.7#
141 431.5 50.8 76.2#

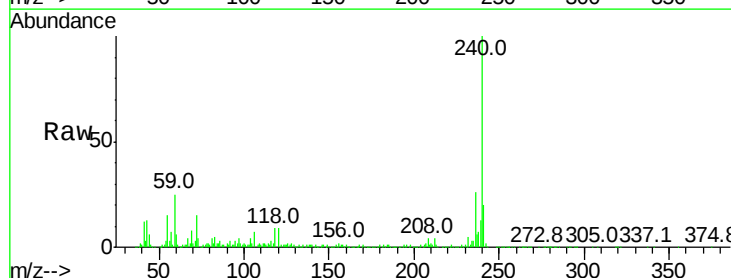


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

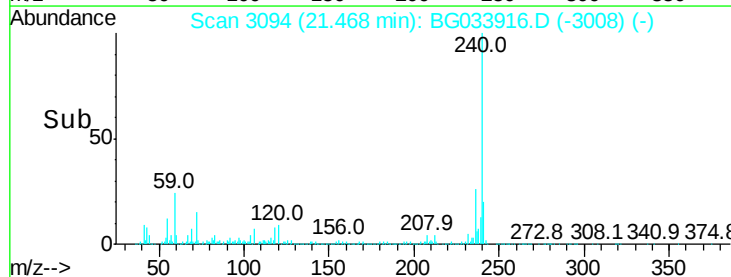
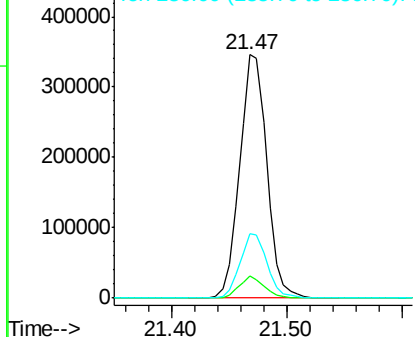


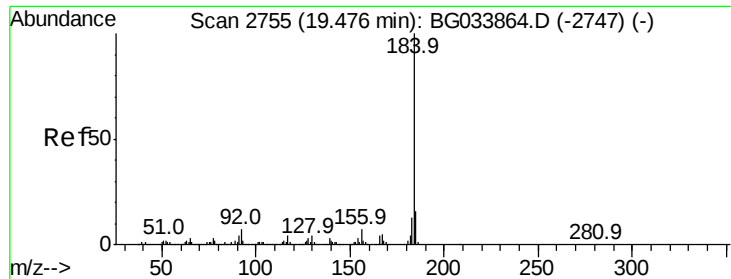
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BG033916.D
Acq: 23 Apr 2018 12:06

Tgt Ion:240 Resp: 562419
Ion Ratio Lower Upper
240 100
120 8.9 6.8 10.2
236 26.4 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





#76

Benzidine

Concen: 2.495 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.38 min

Lab File: BG033916.D

Acq: 23 Apr 2018 12:06

Instrument :

BNA_G

ClientSampleId :

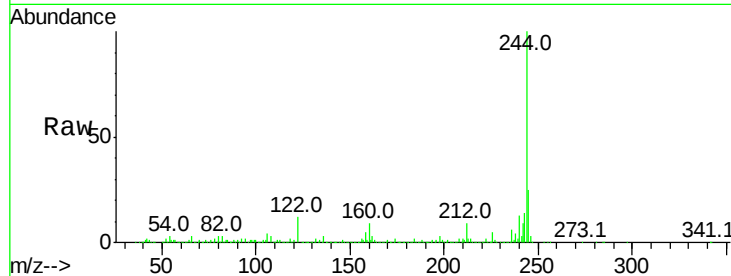
Tot Ion:184 Resp: 37891

Ion Ratio Lower Upper

184 100

185 20.4 11.1 16.7#

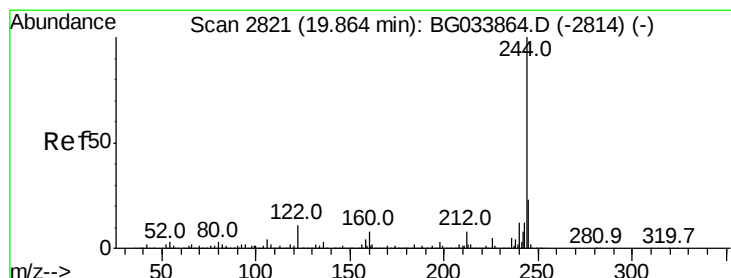
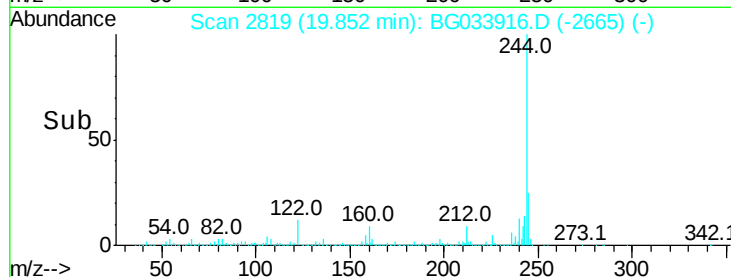
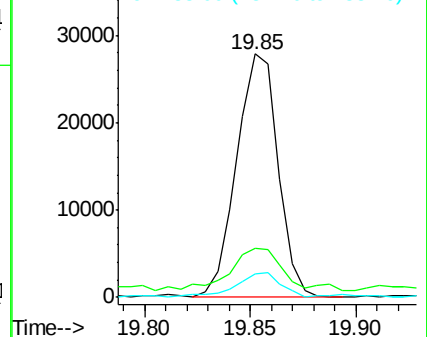
183 9.5 10.6 16.0#



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: 87.504 ng

RT: 19.85 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BG033916.D

Acq: 23 Apr 2018 12:06

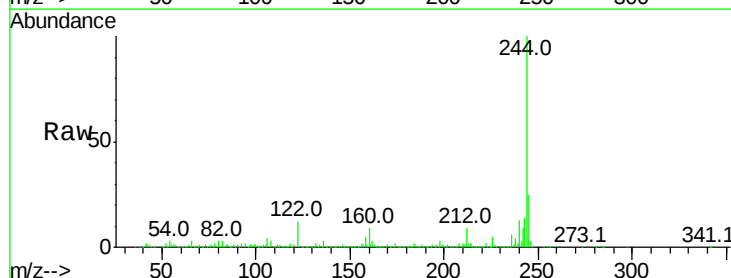
Tgt Ion:244 Resp: 2190571

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

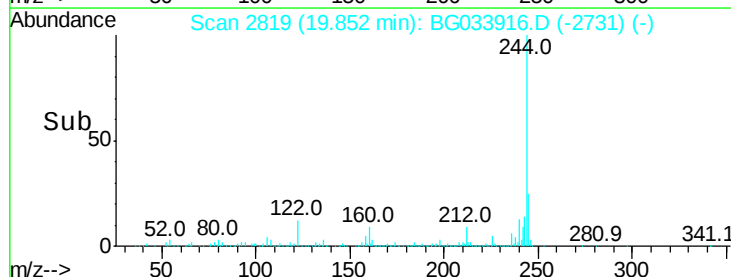
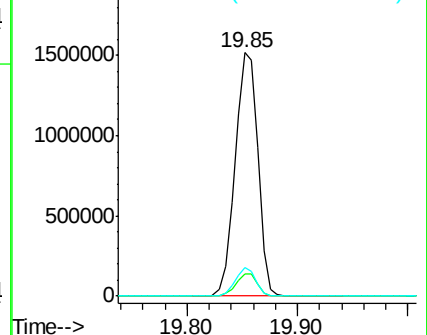
122 11.6 7.0 10.4#

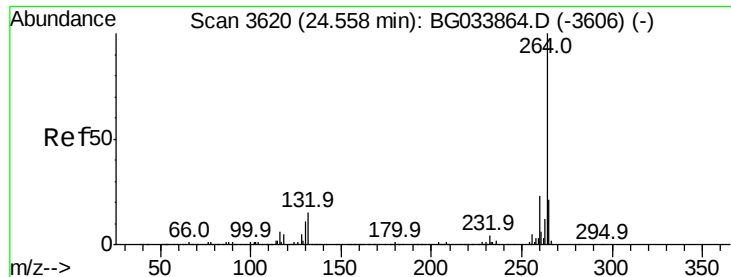


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG033916.D
 Acq: 23 Apr 2018 12:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:264 Resp: 565705
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.4 26.0
 265 22.5 17.7 26.5

