

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033922.D
 Acq On : 23 Apr 2018 15:54
 Operator : SJ/JU
 Sample : J2492-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 03:19:07 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

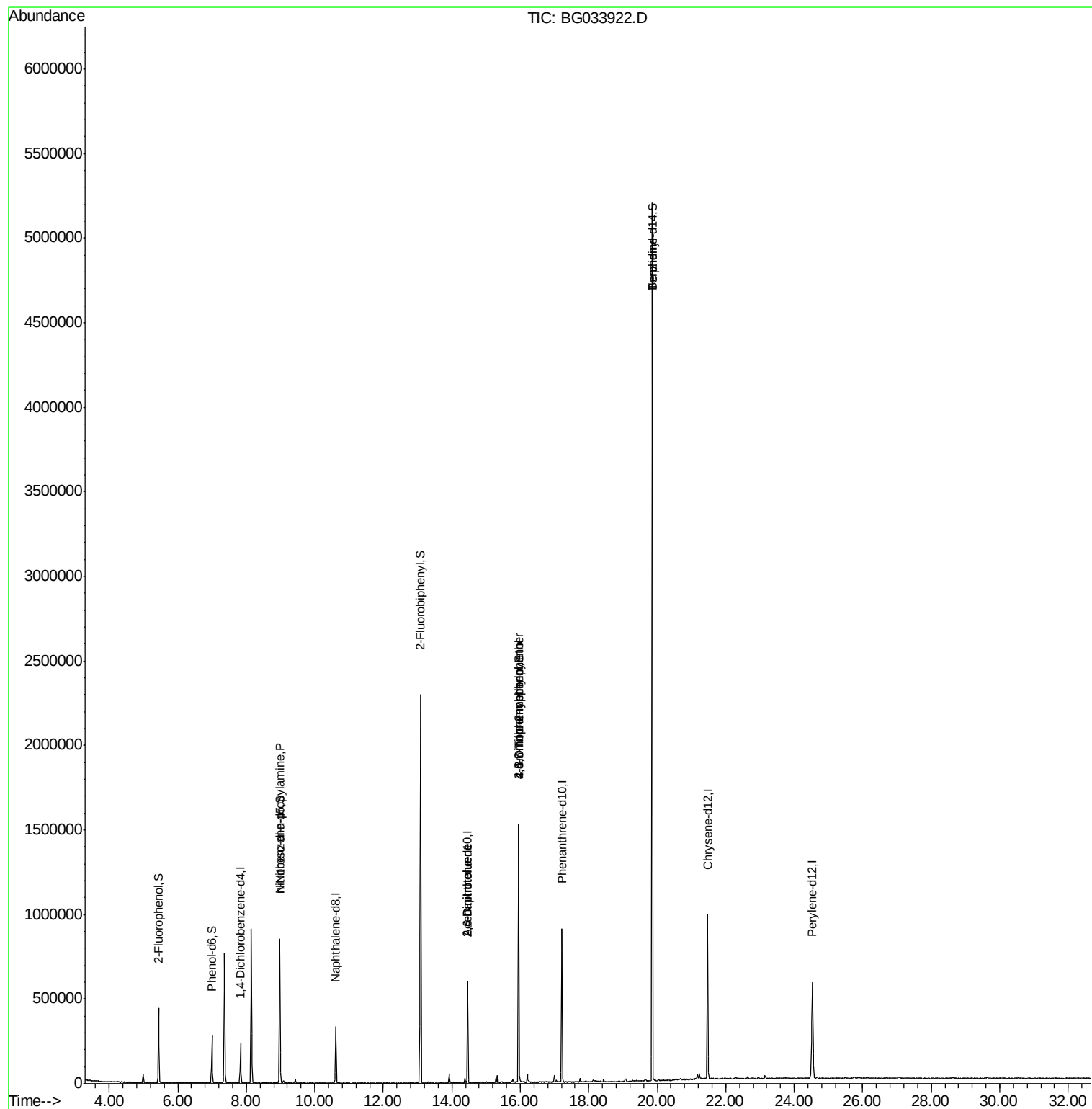
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	62358	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	283225	20.00	ng	-0.01
38) Acenaphthene-d10	14.46	164	201103	20.00	ng	-0.01
63) Phenanthrene-d10	17.21	188	549796	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	565377	20.00	ng	-0.02
86) Perylene-d12	24.53	264	573408	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	185343	47.45	ng	0.00
7) Phenol-d6	7.00	99	156088	27.40	ng	0.00
23) Nitrobenzene-d5	8.98	82	516181	103.72	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	275495	117.42	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1238531	90.47	ng	-0.01
78) Terphenyl-d14	19.85	244	2319162	92.16	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.98	77	387	Below Cal	Qvalue #	5
19) n-Nitroso-di-n-propylamine	8.98	70	73837	15.205 ng	#	78
50) 2,6-Dinitrotoluene	14.46	165	26391	7.872 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	26391	5.920 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.96	198	1375	6.938 ng	#	70
66) 4-Bromophenyl-phenylether	15.95	248	14248	2.360 ng	#	1
76) Benizidine	19.85	184	39742	2.603 ng	#	86

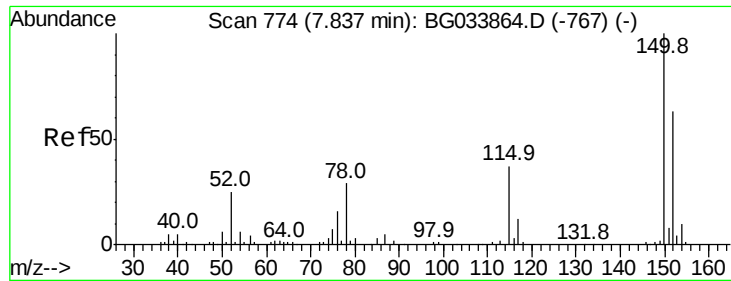
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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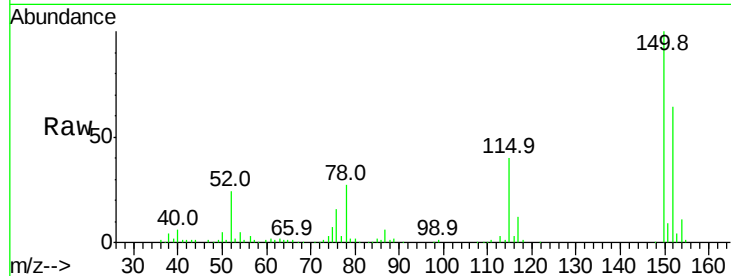


#1

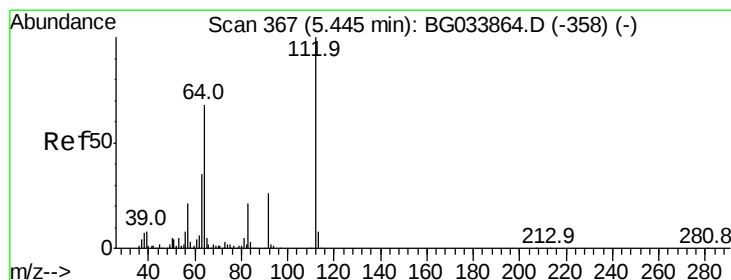
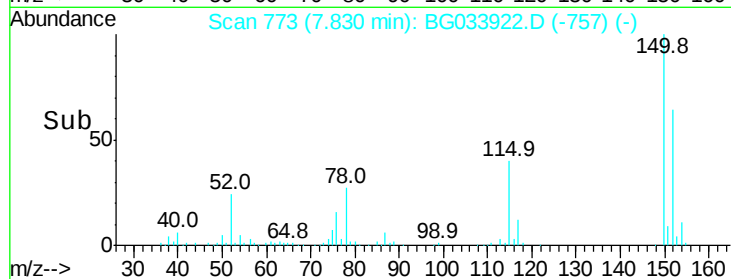
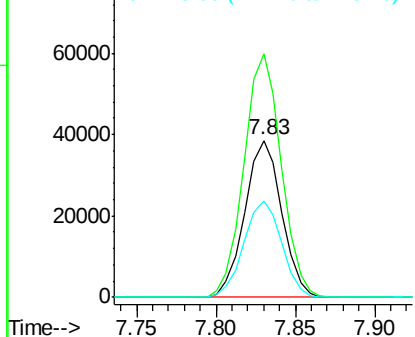
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.6	189.8
115	61.7	53.0	79.4



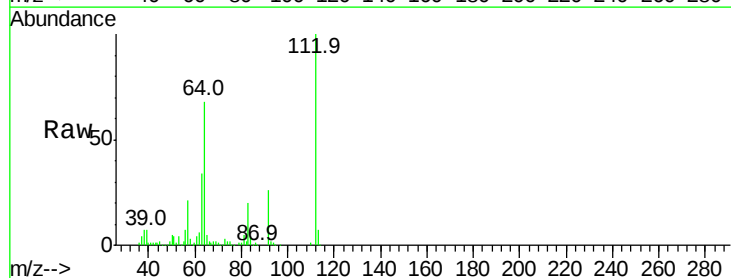
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



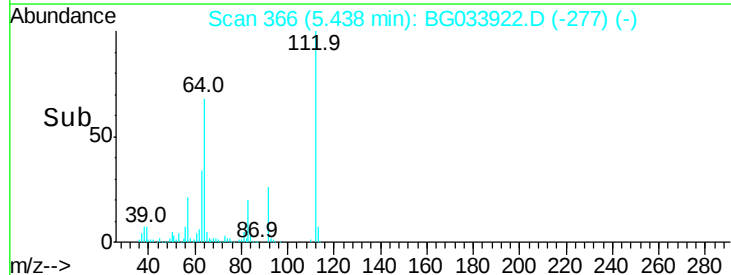
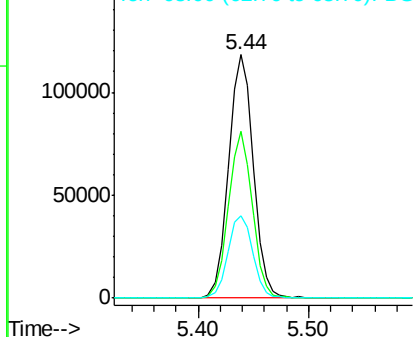
#5

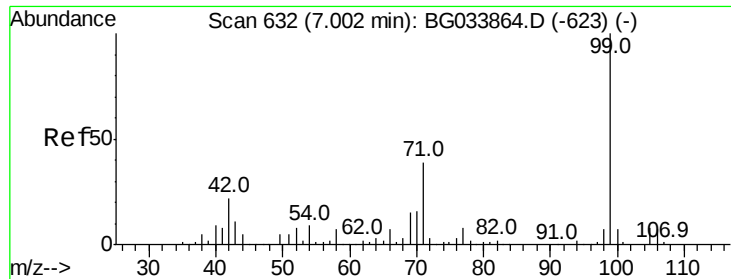
2-Fluorophenol
 Concen: 47.453 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	56.3	84.5
63	33.9	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: 27.399 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033922.D

Acq: 23 Apr 2018 15:54

Instrument :

BNA_G

ClientSampleId :

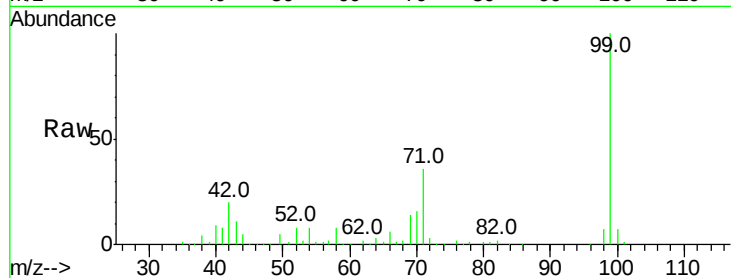
Tot Ion: 99 Resp: 156088

Ion Ratio Lower Upper

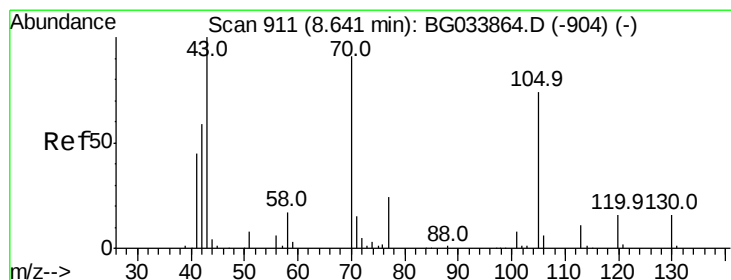
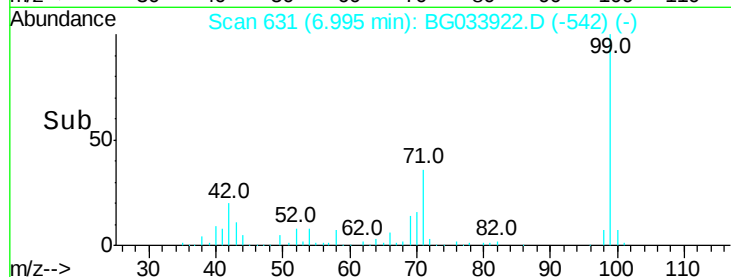
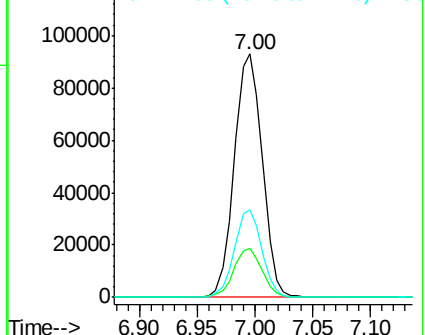
99 100

42 20.2 14.1 21.1

71 36.1 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: 15.205 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033922.D

Acq: 23 Apr 2018 15:54

Tgt Ion: 70 Resp: 73837

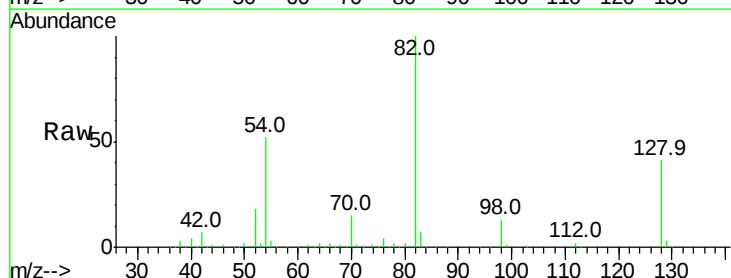
Ion Ratio Lower Upper

70 100

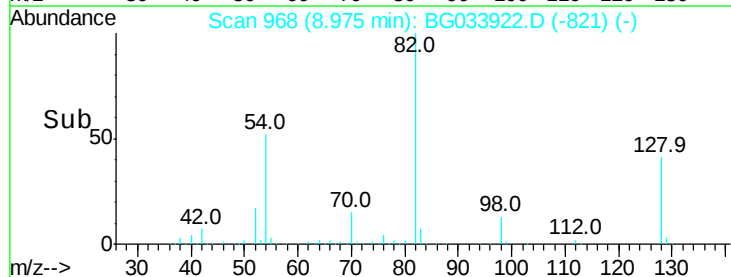
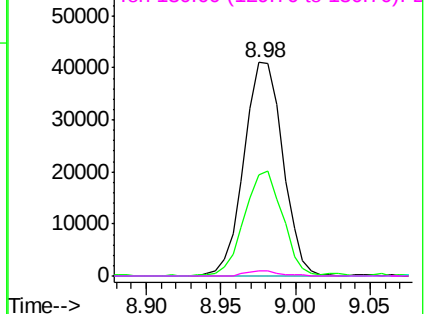
42 47.4 49.1 73.7#

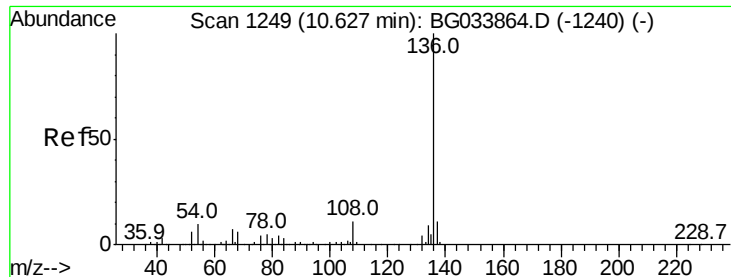
101 0.0 8.5 12.7#

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

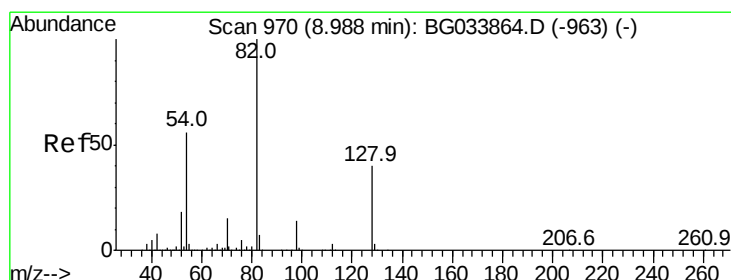
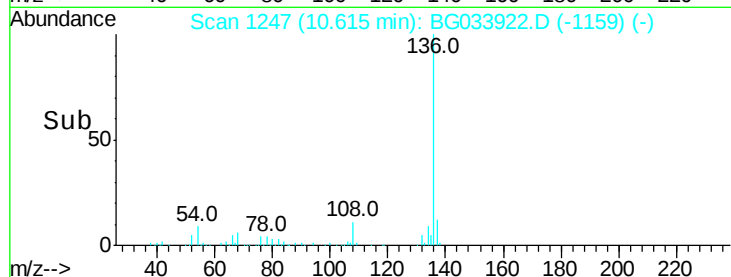
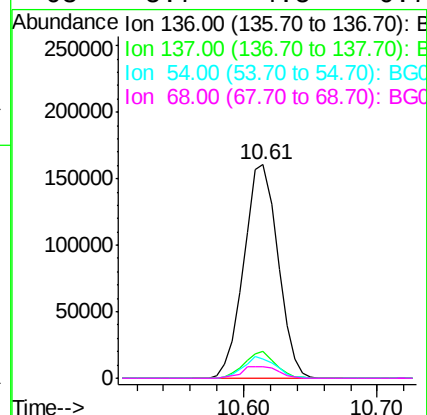
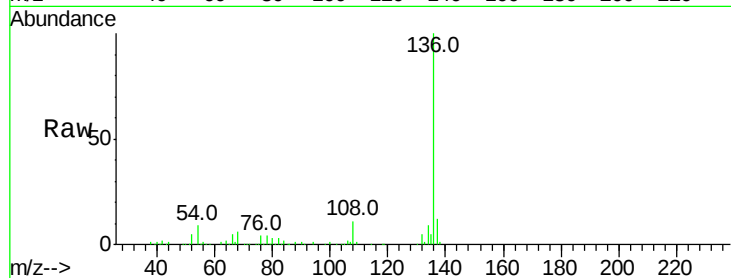




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BG033922.D
Acq: 23 Apr 2018 15:54

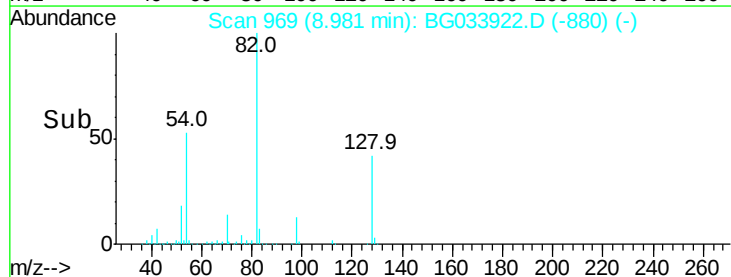
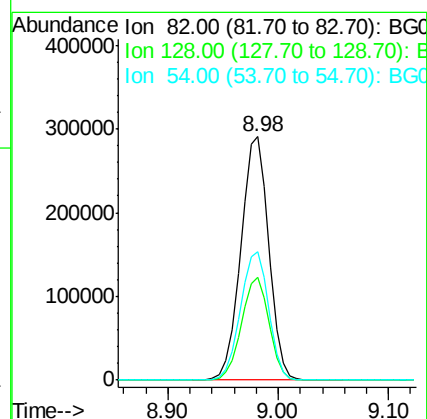
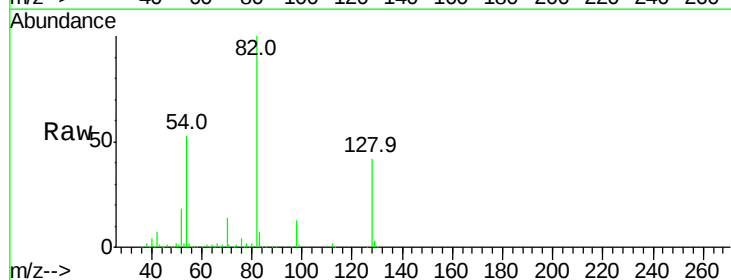
Instrument :
BNA_G
ClientSampleId :

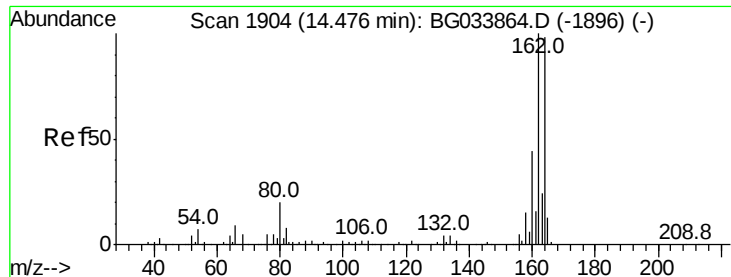
Tot Ion:	136	Resp:	283225
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	9.2	10.3	15.5#
68	5.7	4.5	6.7



#23
Nitrobenzene-d5
Concen: 103.718 ng
RT: 8.98 min Scan# 969
Delta R.T. -0.01 min
Lab File: BG033922.D
Acq: 23 Apr 2018 15:54

Tgt Ion:	82	Resp:	516181
Ion	Ratio	Lower	Upper
82	100		
128	42.1	29.7	44.5
54	53.0	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033922.D

Acq: 23 Apr 2018 15:54

Instrument :

BNA_G

ClientSampleId :

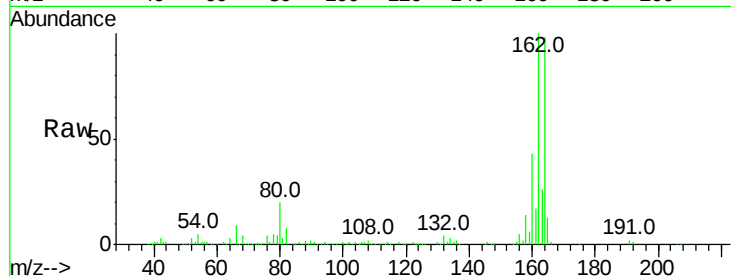
Tot Ion:164 Resp: 201103

Ion Ratio Lower Upper

164 100

162 101.9 78.8 118.2

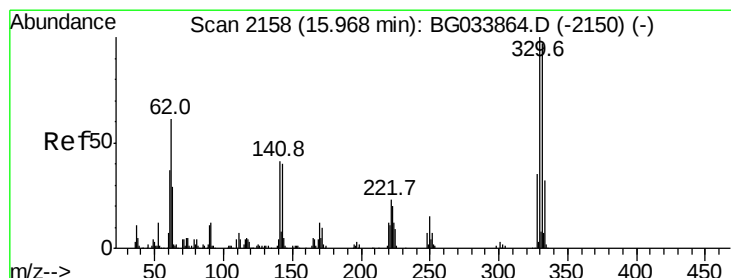
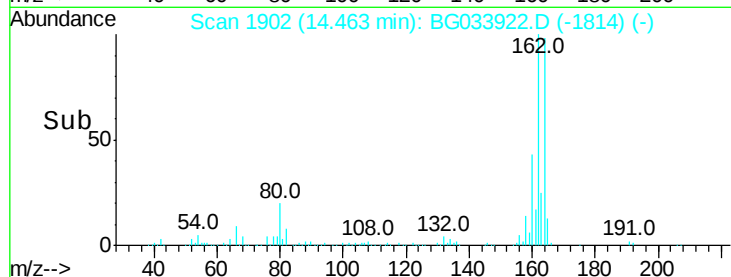
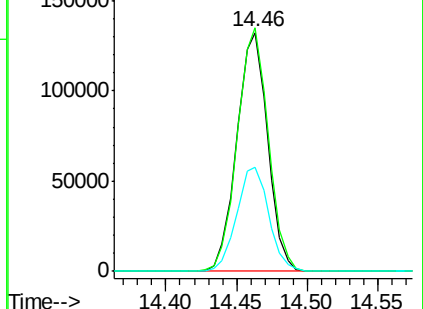
160 43.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 117.422 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033922.D

Acq: 23 Apr 2018 15:54

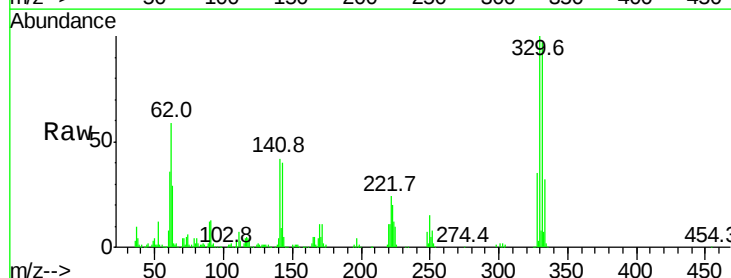
Tgt Ion:330 Resp: 275495

Ion Ratio Lower Upper

330 100

332 96.4 77.0 115.6

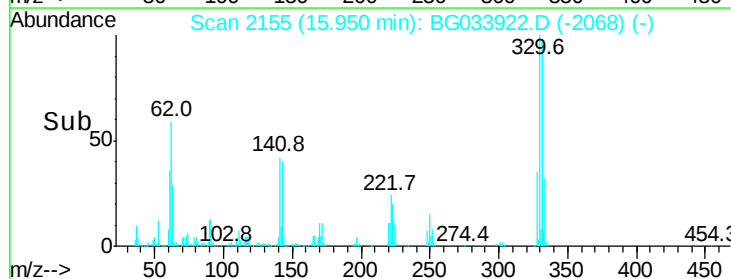
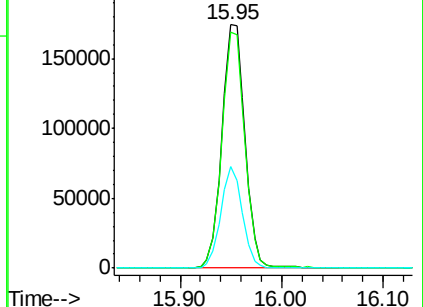
141 39.0 25.2 37.8#

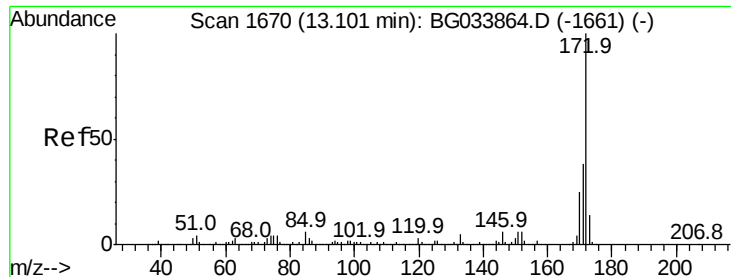


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



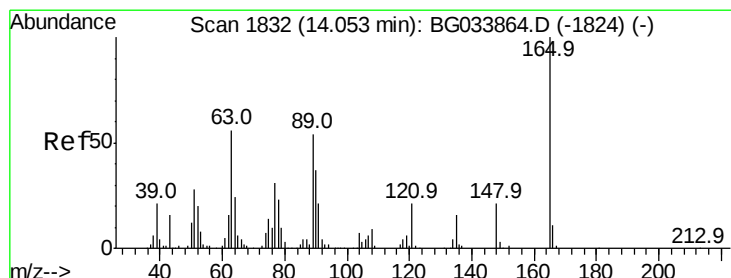
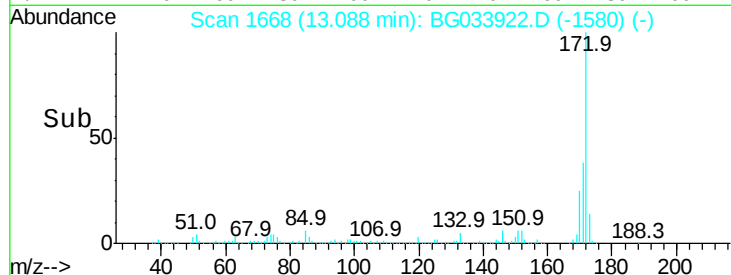
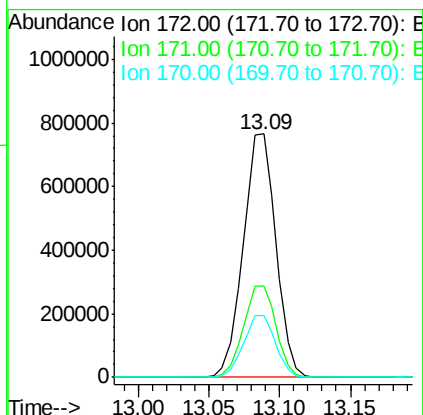
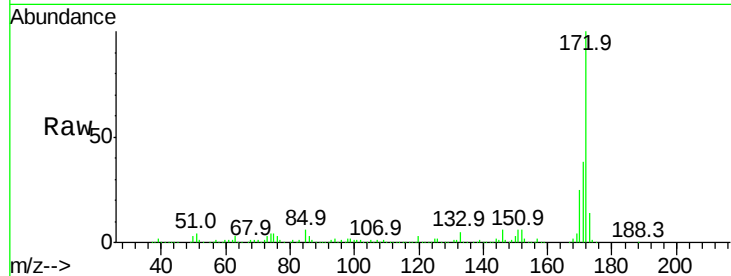


#44
 2-Fluorobiphenyl
 Concen: 90.473 ng
 RT: 13.09 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1238531

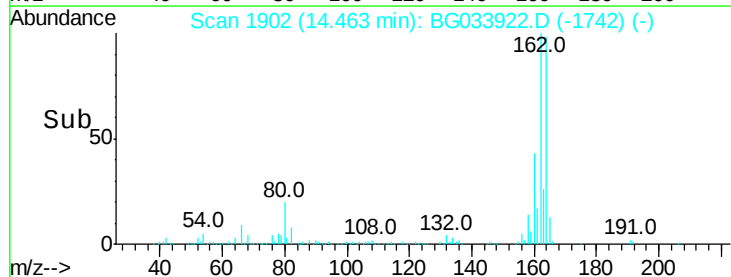
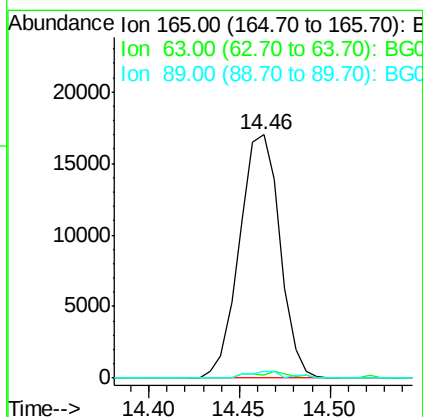
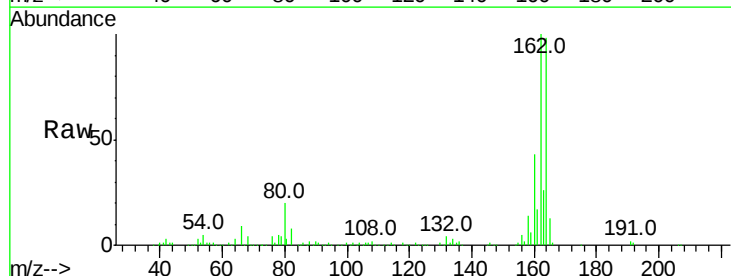
Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.0	45.0
170	25.5	19.5	29.3

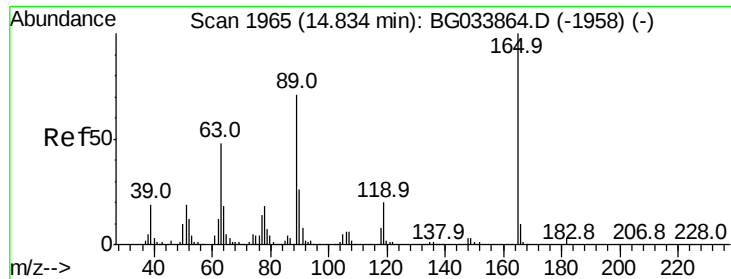


#50
 2,6-Dinitrotoluene
 Concen: 7.872 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. 0.41 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Tgt Ion:165 Resp: 26391

Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	2.9	49.2	73.8#

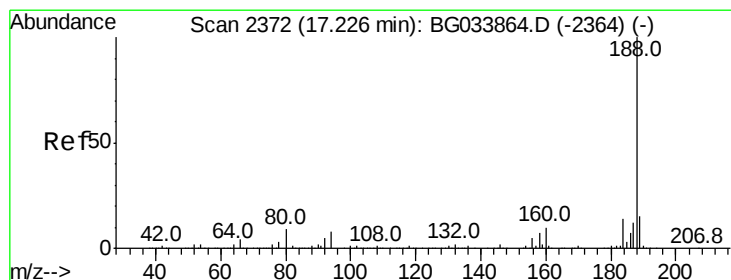
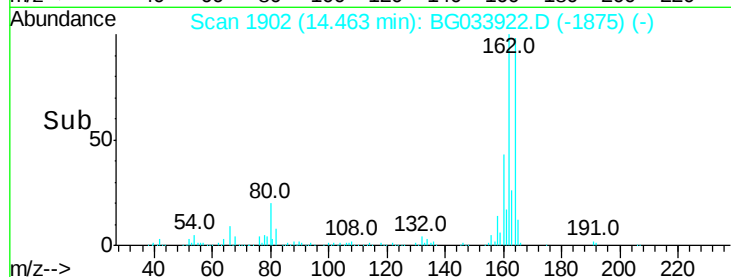
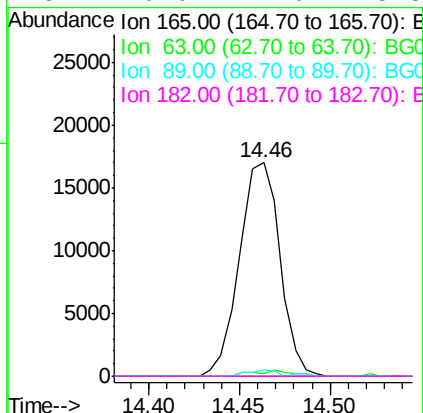
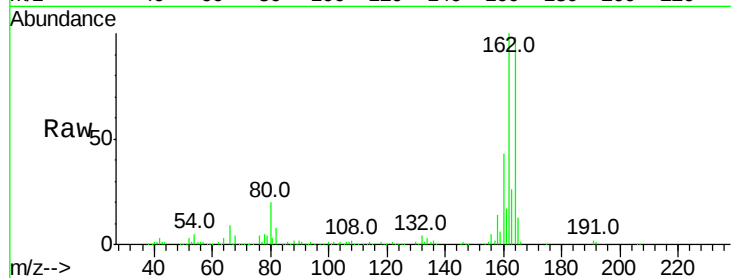




#56
 2,4-Dinitrotoluene
 Concen: 5.920 ng
 RT: 14.46 min Scan# 1902
 Delta R.T. -0.37 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

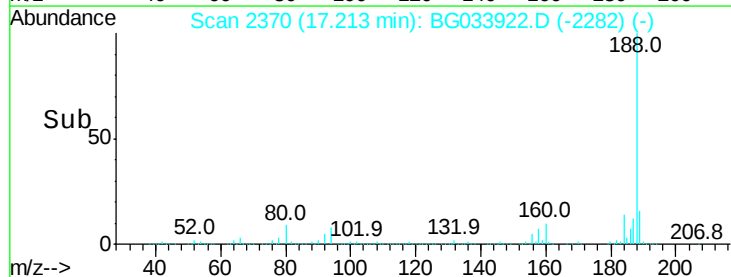
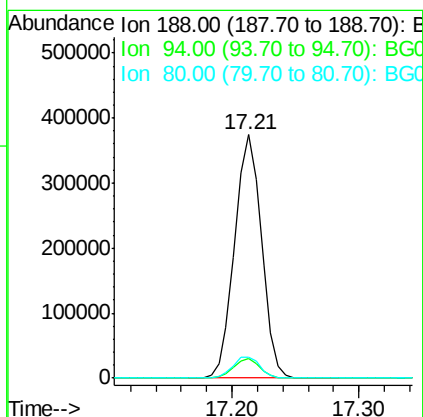
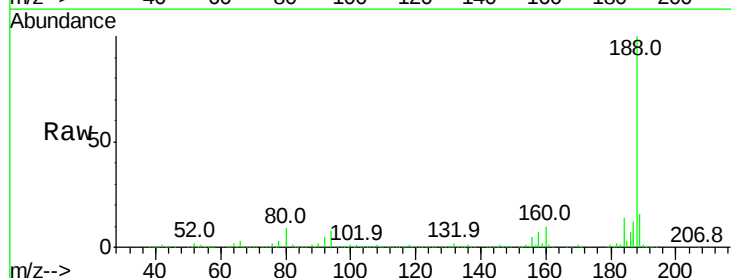
Instrument :
 BNA_G
 ClientSampleId :

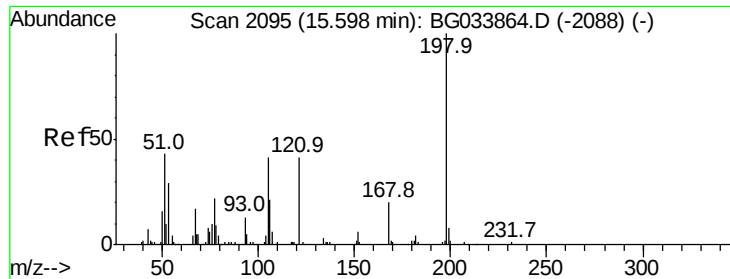
Tot Ion:165 Resp: 26391
 Ion Ratio Lower Upper
 165 100
 63 1.5 42.0 63.0#
 89 2.9 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Tgt Ion:188 Resp: 549796
 Ion Ratio Lower Upper
 188 100
 94 7.8 6.9 10.3
 80 8.6 7.7 11.5

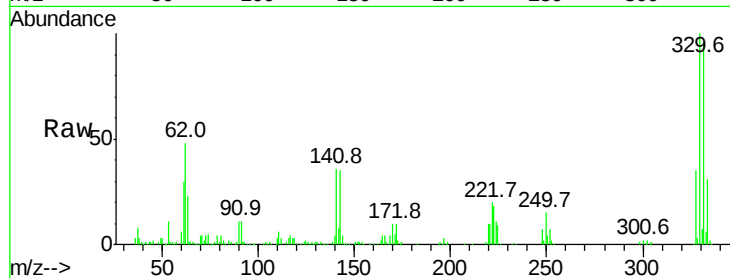




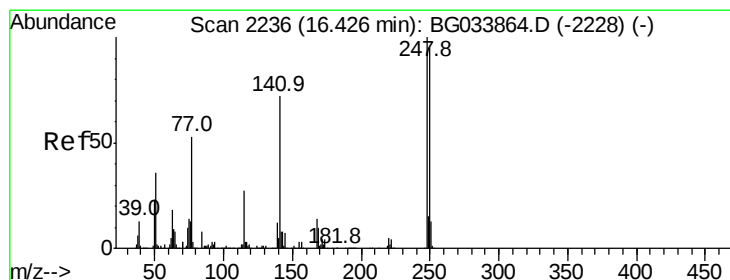
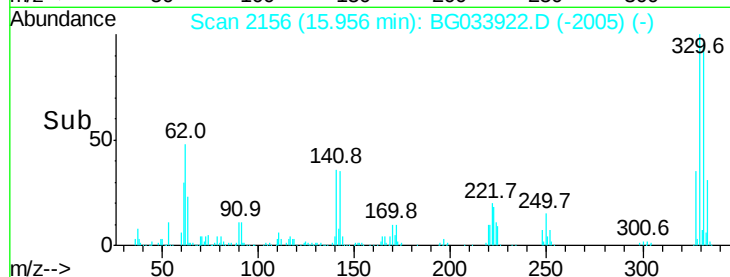
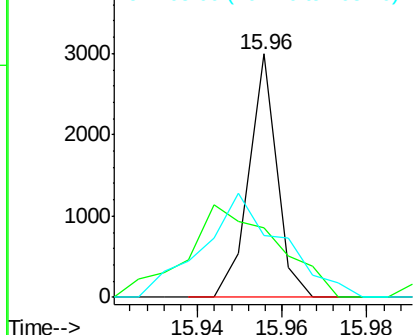
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.938 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. 0.36 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 1375
 Ion Ratio Lower Upper
 198 100
 51 28.6 30.6 70.6#
 105 25.6 23.8 63.8

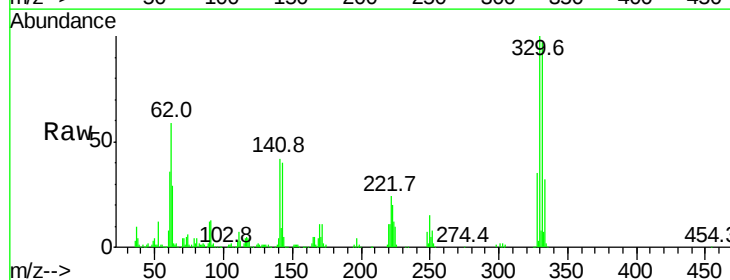


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

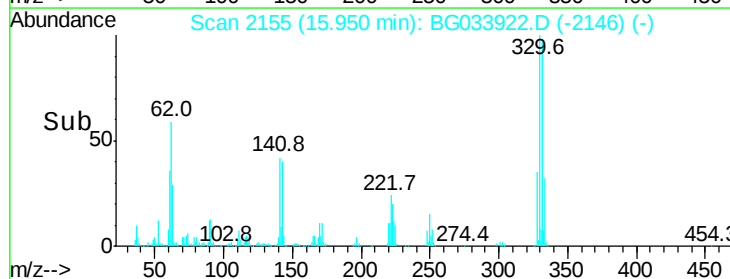
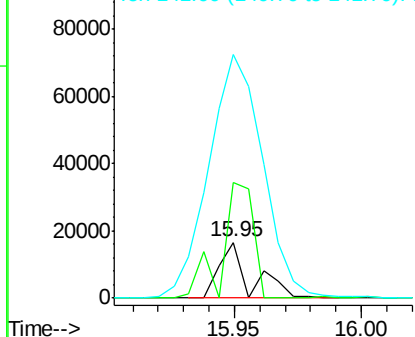


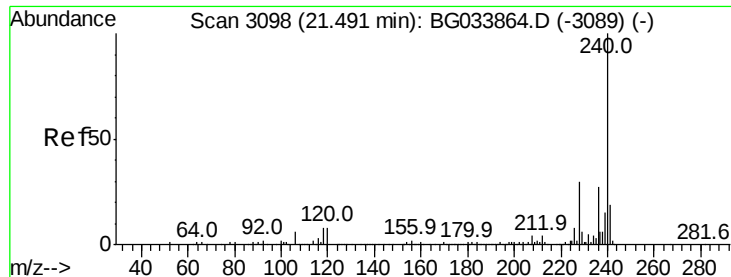
#66
 4-Bromophenyl-phenylether
 Concen: 2.360 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Tgt Ion:248 Resp: 14248
 Ion Ratio Lower Upper
 248 100
 250 206.5 77.1 115.7#
 141 436.5 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: BG033922.D

Acq: 23 Apr 2018 15:54

Instrument :

BNA_G

ClientSampleId :

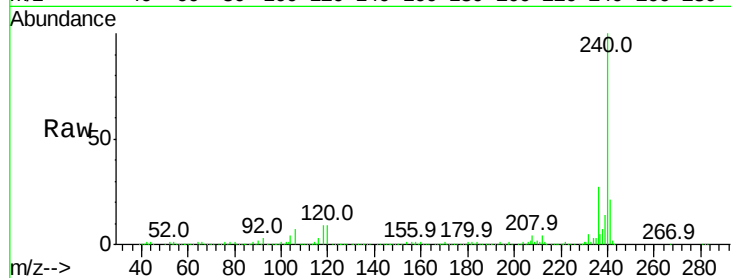
Tot Ion:240 Resp: 565377

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

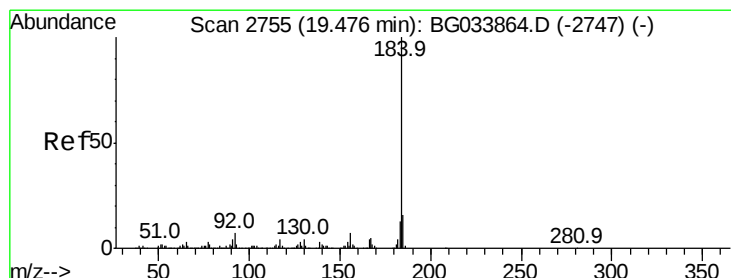
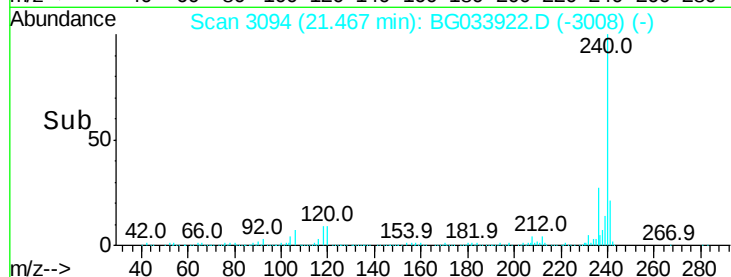
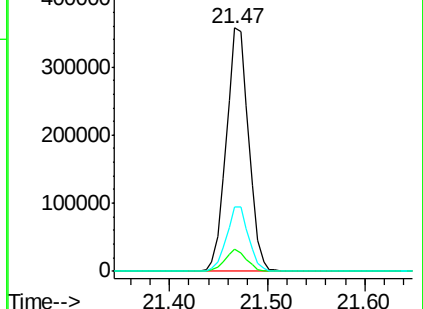
236 26.7 20.9 31.3



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: 2.603 ng

RT: 19.85 min Scan# 2819

Delta R.T. 0.38 min

Lab File: BG033922.D

Acq: 23 Apr 2018 15:54

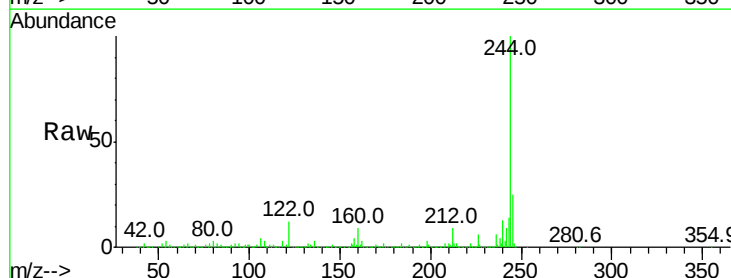
Tgt Ion:184 Resp: 39742

Ion Ratio Lower Upper

184 100

185 19.4 11.1 16.7#

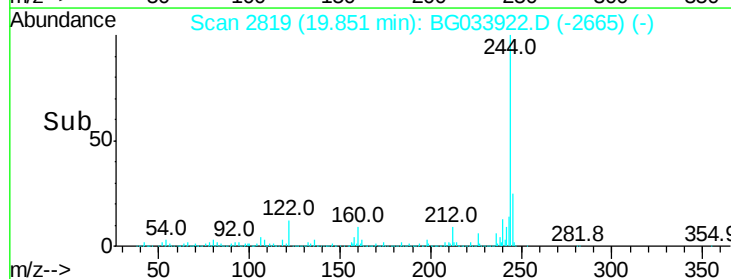
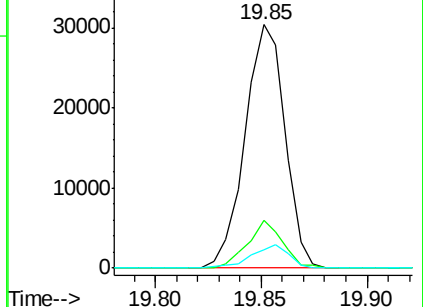
183 7.6 10.6 16.0#

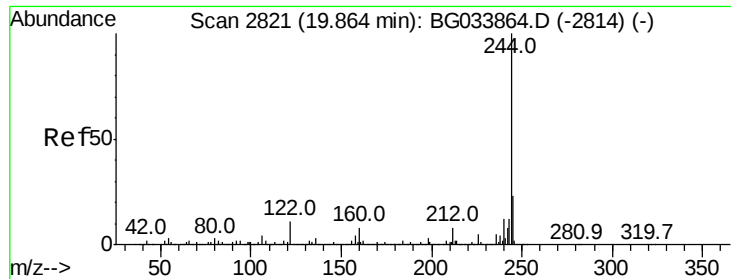


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

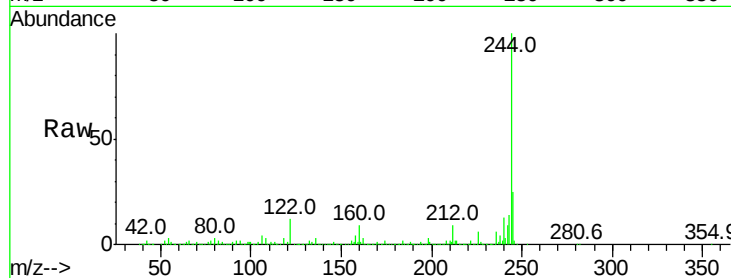




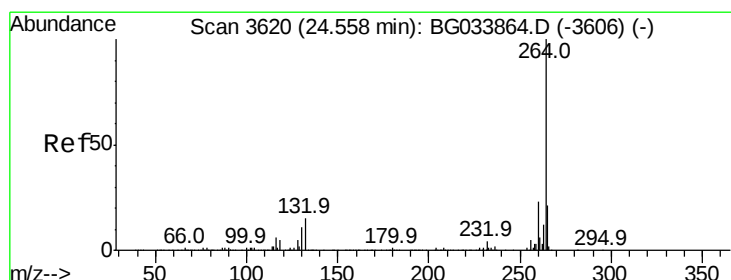
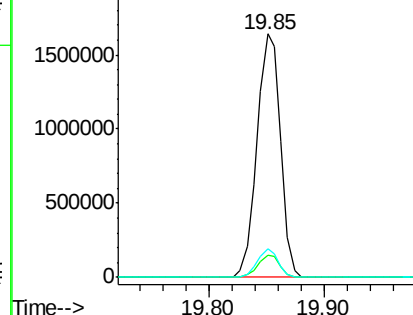
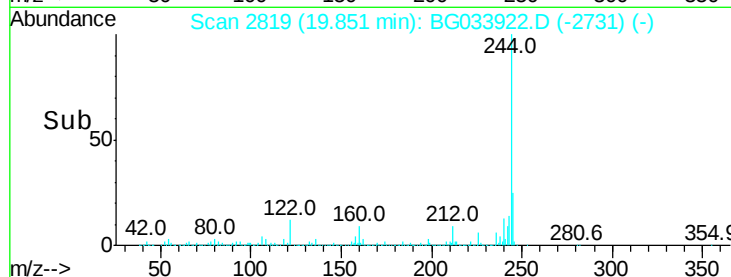
#78
 Terphenyl-d14
 Concen: 92.156 ng
 RT: 19.85 min Scan# 2819
 Delta R.T. -0.01 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 2319162
 Ion Ratio Lower Upper
 244 100
 212 9.1 5.8 8.8#
 122 11.6 7.0 10.4#

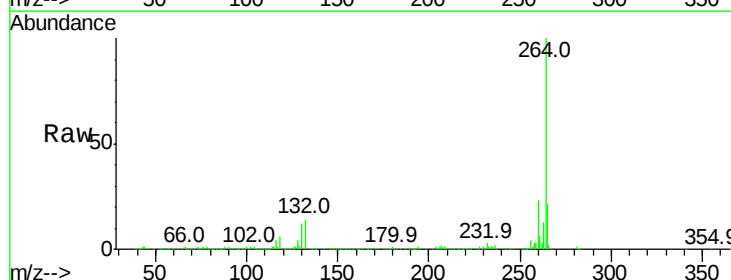


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.53 min Scan# 3615
 Delta R.T. -0.03 min
 Lab File: BG033922.D
 Acq: 23 Apr 2018 15:54

Tgt Ion:264 Resp: 573408
 Ion Ratio Lower Upper
 264 100
 260 23.5 17.4 26.0
 265 21.1 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

