

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG033993.D
 Acq On : 25 Apr 2018 19:08
 Operator : SJ/JU
 Sample : J2543-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 06:27:19 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

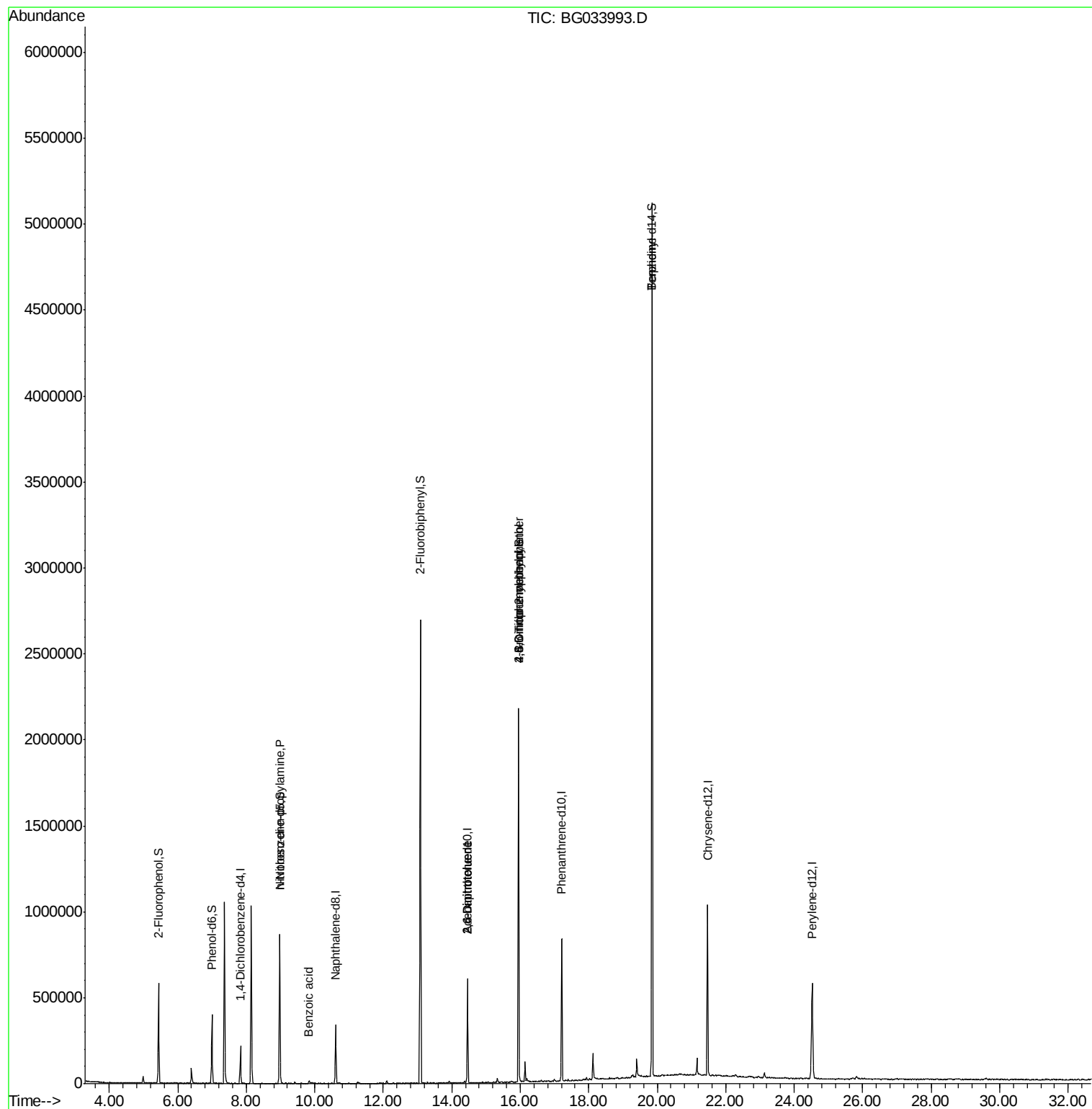
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	62444	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	288431	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	204528	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	530679	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	572292	20.00	ng	-0.02
86) Perylene-d12	24.52	264	574606	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	252147	64.47	ng	0.00
7) Phenol-d6	7.00	99	218569	38.31	ng	0.00
23) Nitrobenzene-d5	8.98	82	520387	102.68	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	399160	167.28	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1391678	99.96	ng	-0.02
78) Terphenyl-d14	19.85	244	2388996	93.78	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	587	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	8.98	70	71241	14.650	ng	# 5
32) Benzoic acid	9.84	122	5800	6.359	ng	# 84
50) 2,6-Dinitrotoluene	14.46	165	25909	7.599	ng	# 20
56) 2,4-Dinitrotoluene	14.46	165	25909	5.715	ng	# 18
64) 4,6-Dinitro-2-methylphenol	15.95	198	487	6.654	ng	# 80
66) 4-Bromophenyl-phenylether	15.94	248	25082	4.304	ng	# 1
76) Benzidine	19.85	184	39172	2.535	ng	# 92

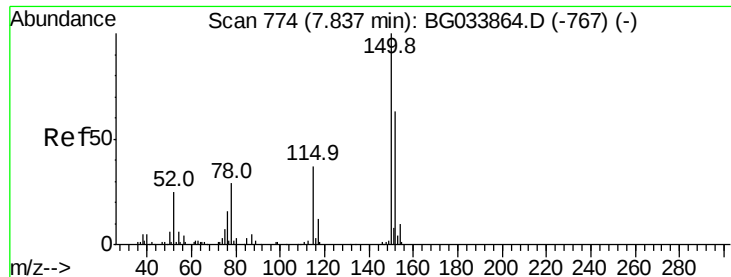
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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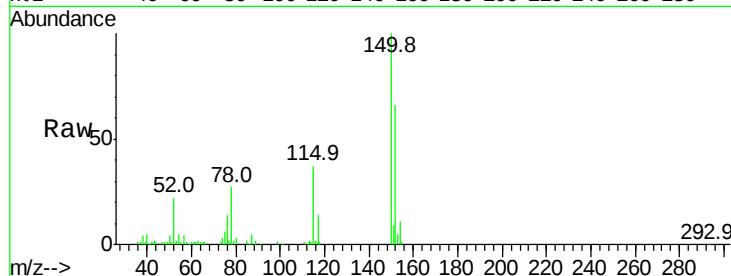


#1

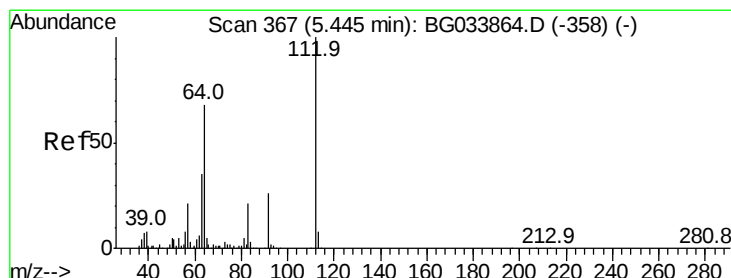
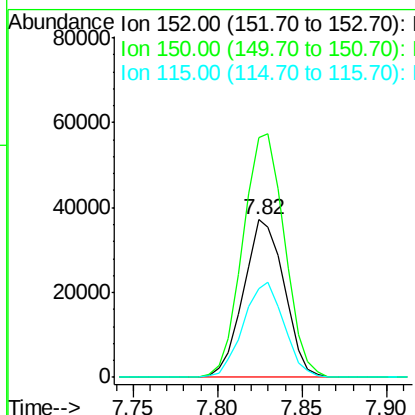
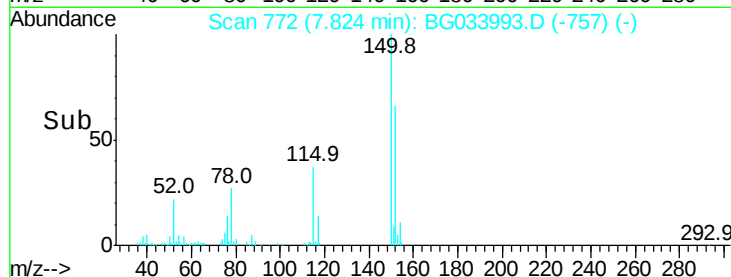
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	152	Resp	62444
Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.6	189.8
115	55.9	53.0	79.4



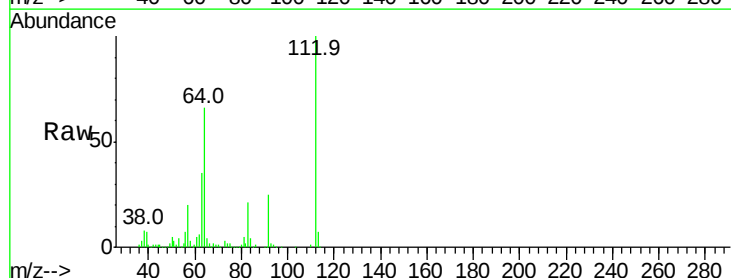
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



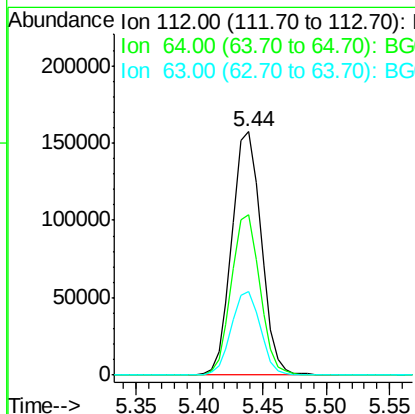
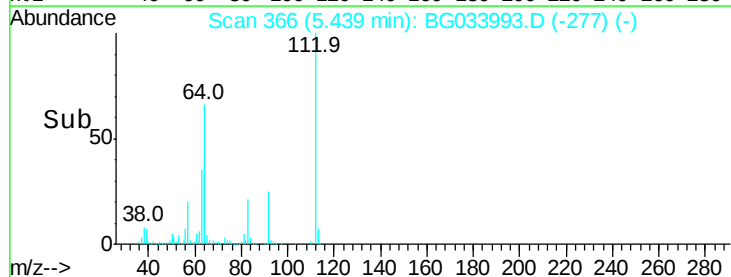
#5

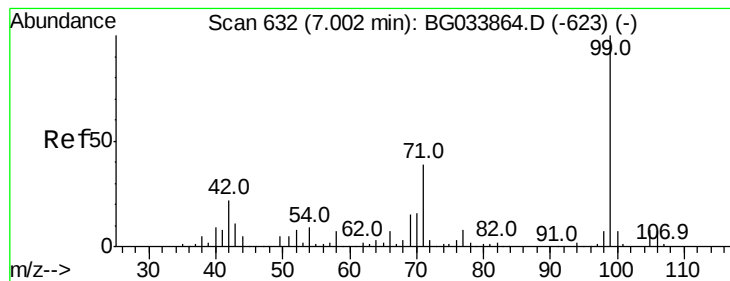
2-Fluorophenol
Concen: 64.468 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Tgt Ion	112	Resp	252147
Ion	Ratio	Lower	Upper
112	100		
64	66.1	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: 38.314 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

Instrument :

BNA_G

ClientSampleId :

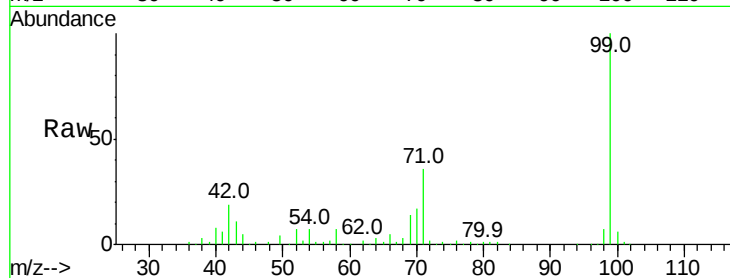
Tot Ion: 99 Resp: 218569

Ion Ratio Lower Upper

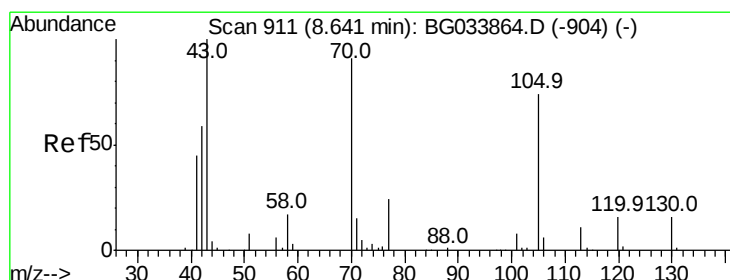
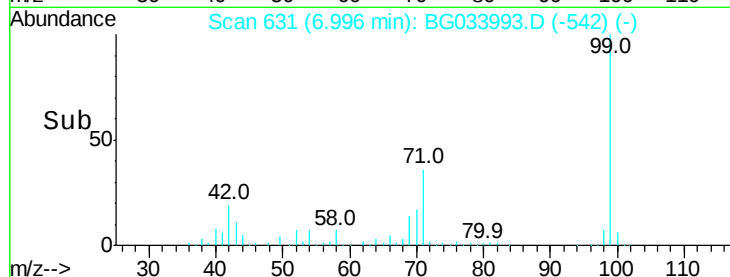
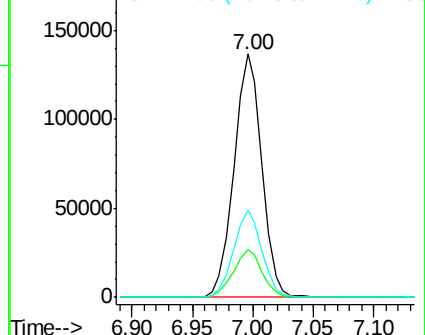
99 100

42 19.5 14.1 21.1

71 35.8 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: 14.650 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

Tgt Ion: 70 Resp: 71241

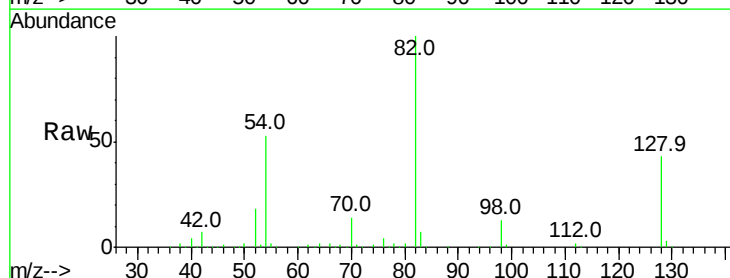
Ion Ratio Lower Upper

70 100

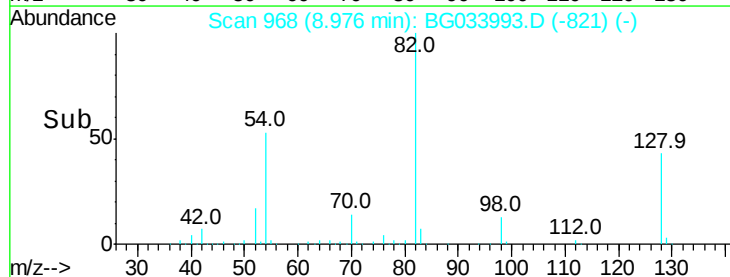
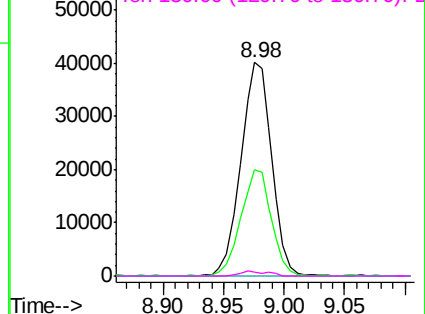
42 49.6 49.1 73.7

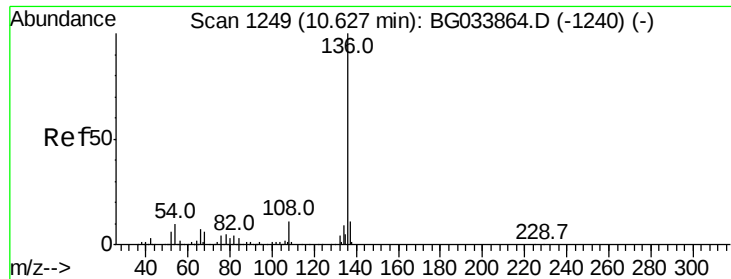
101 0.0 8.5 12.7#

130 2.0 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

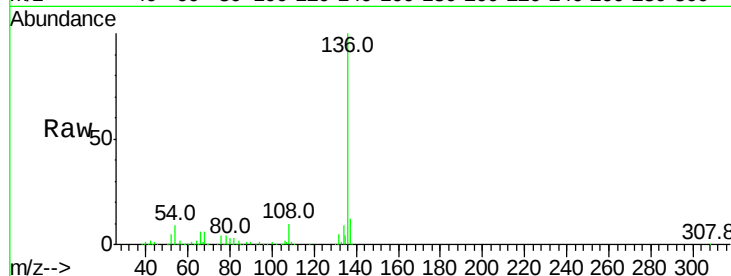




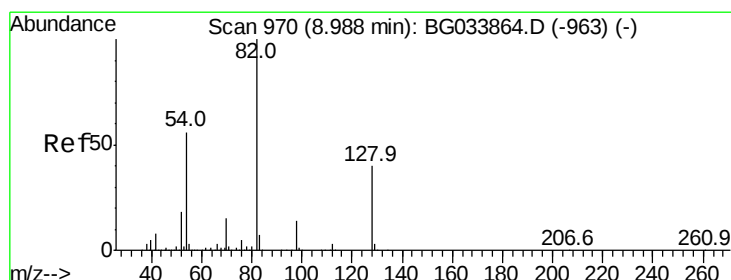
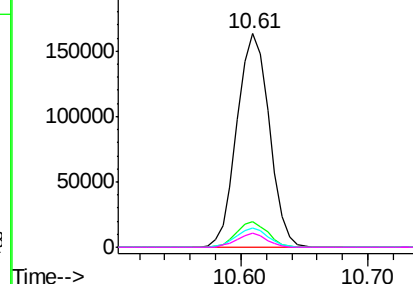
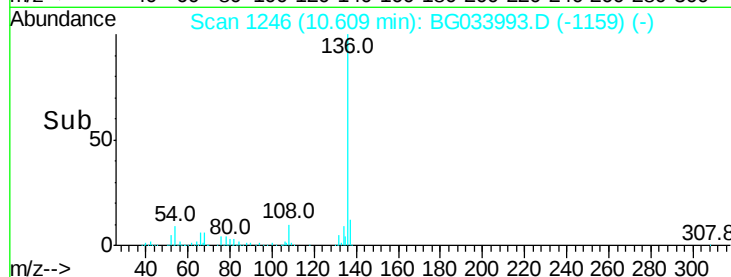
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	288431
Ion Ratio	Lower	Upper
136	100	
137	12.0	9.2 13.8
54	9.1	10.3 15.5#
68	6.4	4.5 6.7

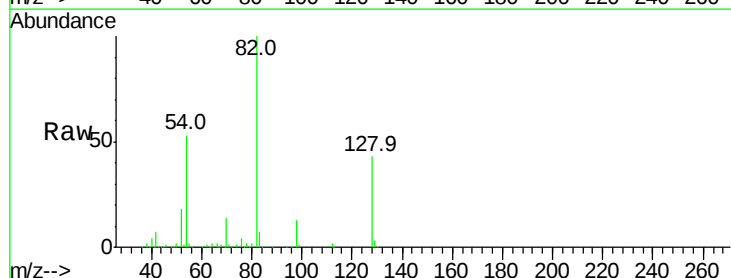


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

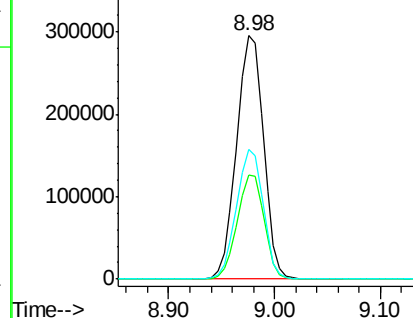
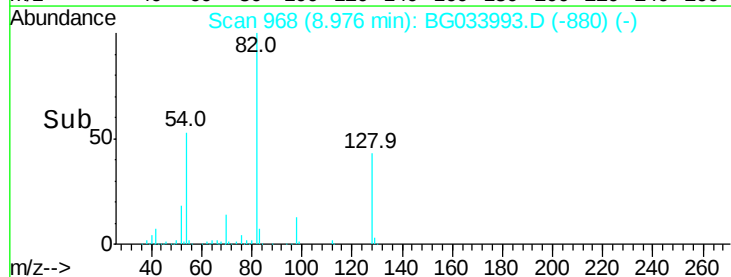


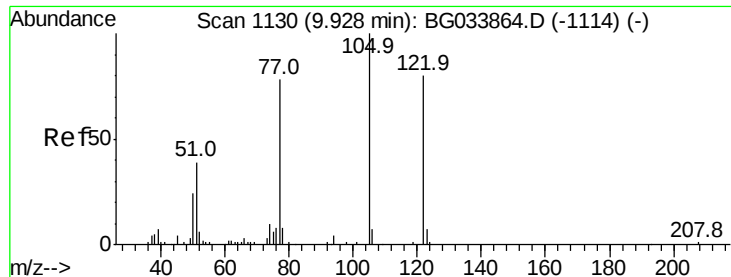
#23
Nitrobenzene-d5
Concen: 102.676 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Tgt Ion: 82	Resp:	520387
Ion Ratio	Lower	Upper
82	100	
128	42.9	29.7 44.5
54	53.0	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#32

Benzoic acid

Concen: 6.359 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.09 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

Instrument :

BNA_G

ClientSampleId :

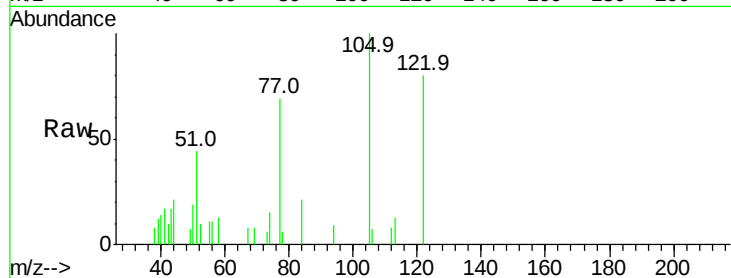
Tot Ion:122 Resp: 5800

Ion Ratio Lower Upper

122 100

105 125.6 123.5 163.5

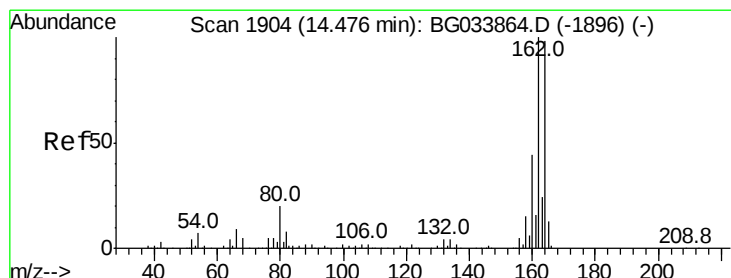
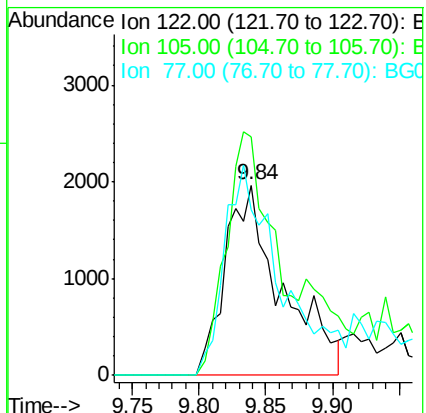
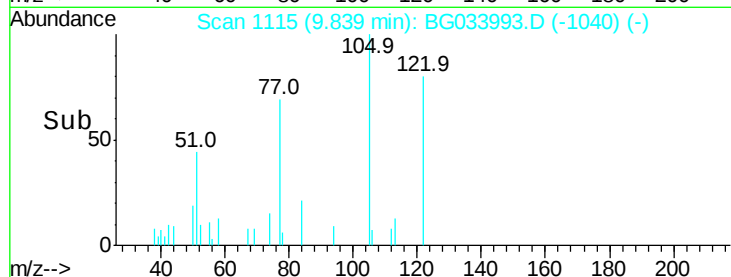
77 86.8 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

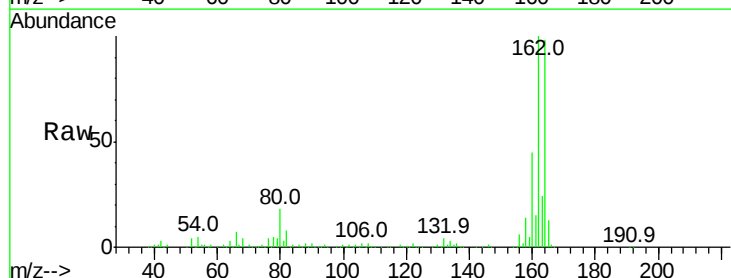
Tgt Ion:164 Resp: 204528

Ion Ratio Lower Upper

164 100

162 102.4 78.8 118.2

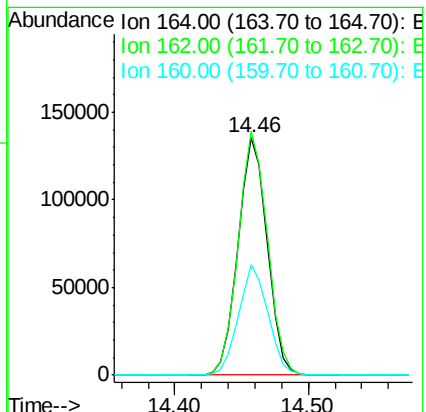
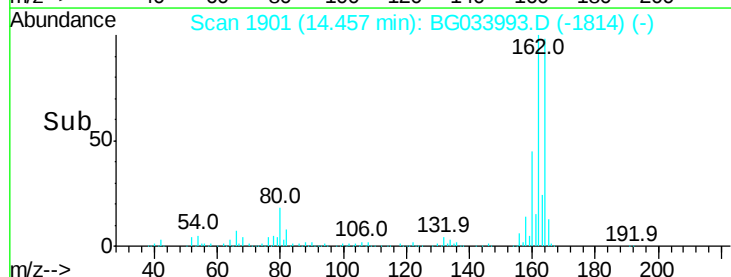
160 46.3 35.4 53.0

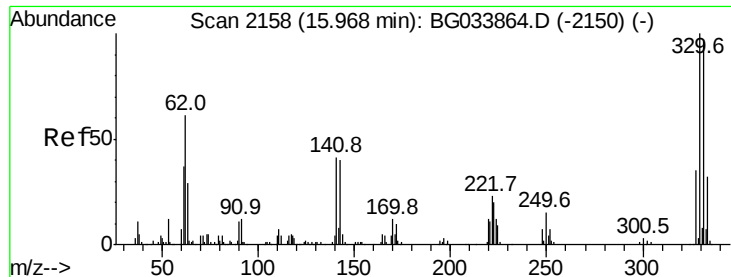


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

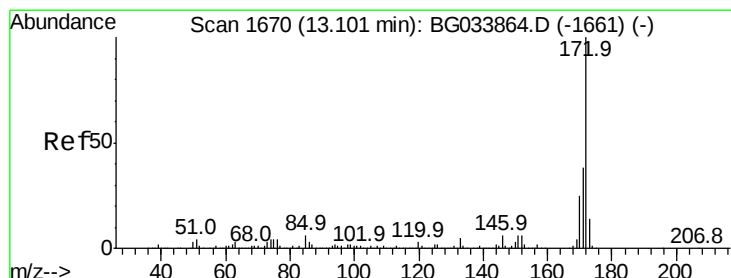
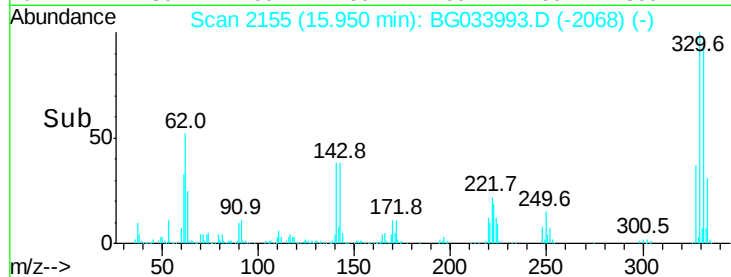
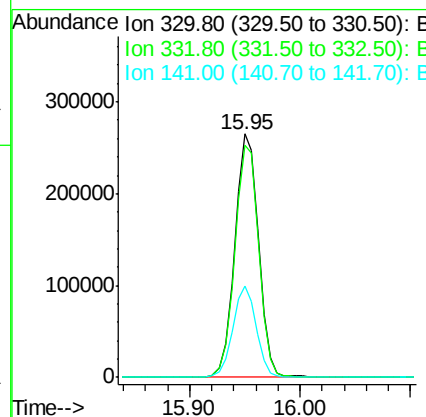
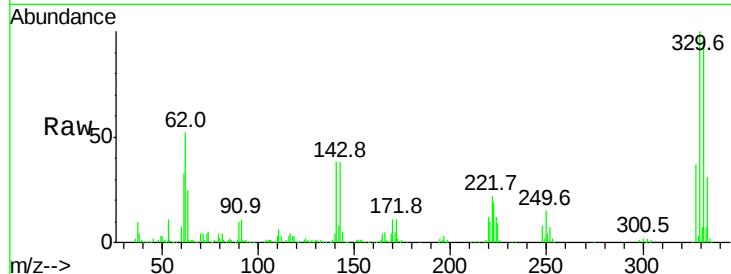




#41
 2,4,6-Tribromophenol
 Concen: 167.282 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033993.D
 Acq: 25 Apr 2018 19:08

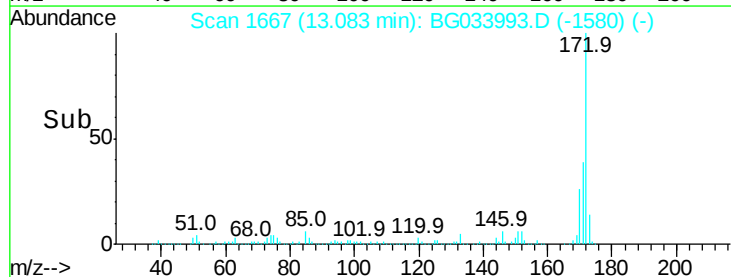
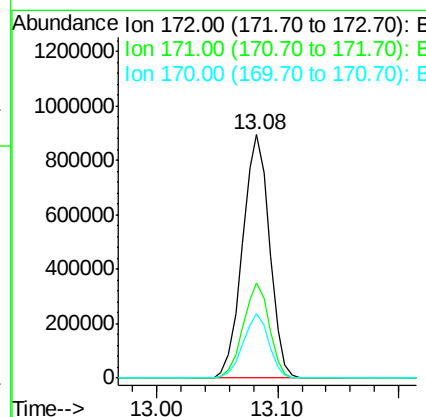
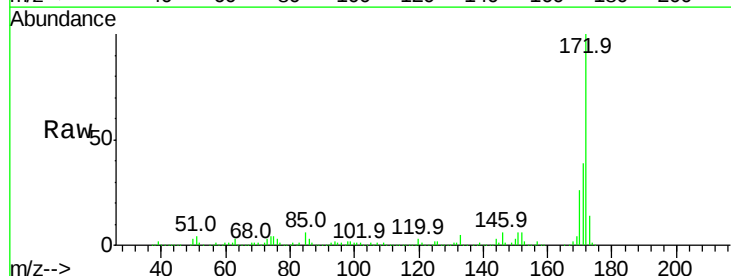
Instrument :
 BNA_G
 ClientSampleId :

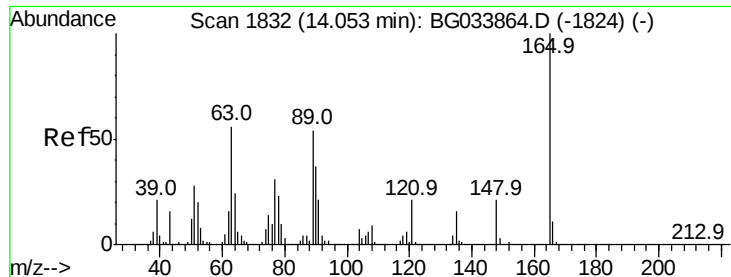
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	37.0	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 99.957 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033993.D
 Acq: 25 Apr 2018 19:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	30.0	45.0
170	26.2	19.5	29.3

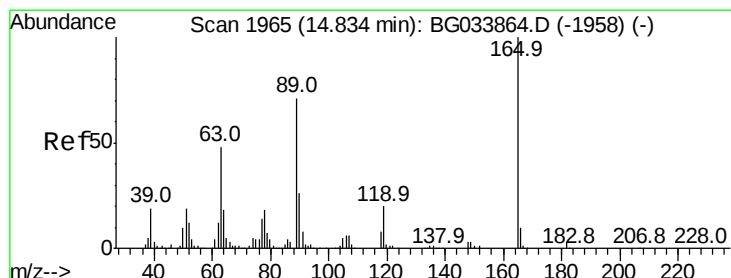
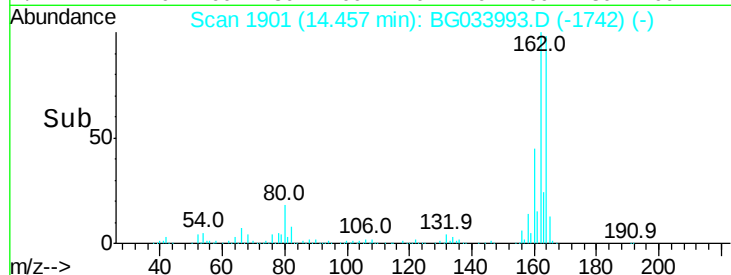
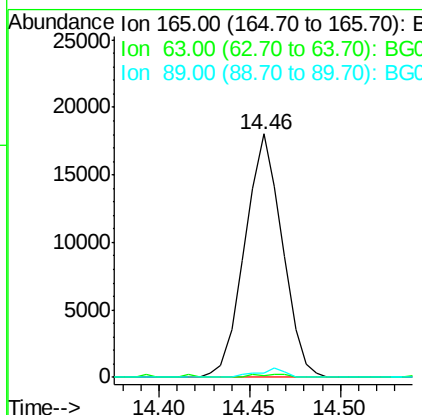
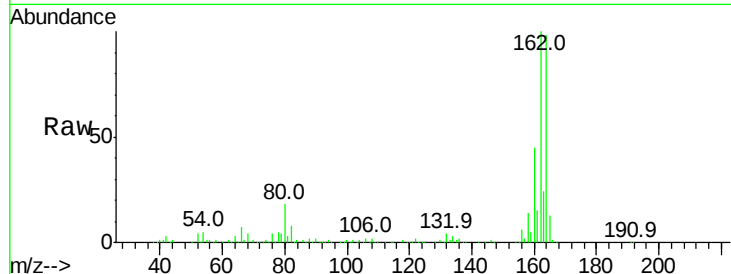




#50
 2,6-Dinitrotoluene
 Concen: 7.599 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033993.D
 Acq: 25 Apr 2018 19:08

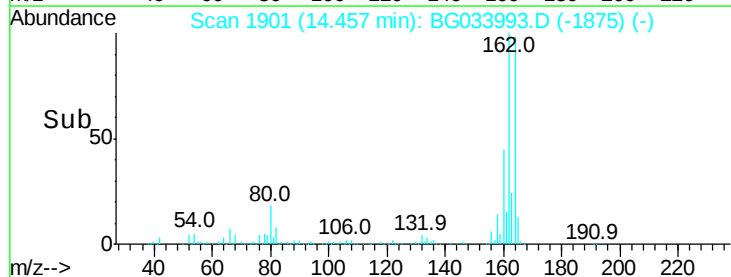
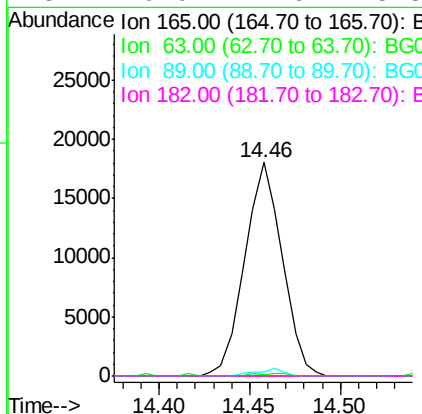
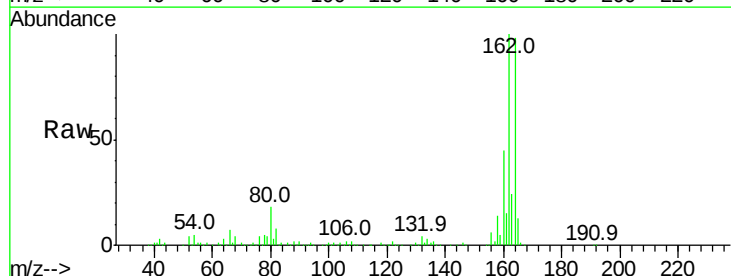
Instrument :
 BNA_G
 ClientSampleId :

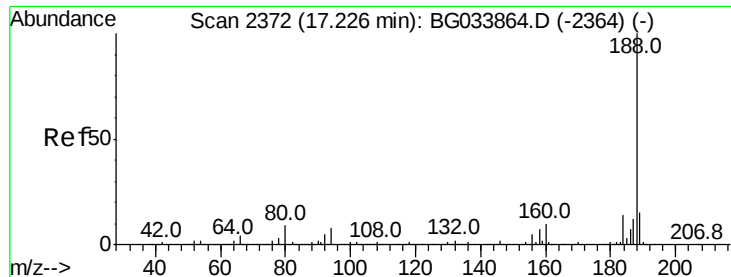
Tot Ion:165 Resp: 25909
 Ion Ratio Lower Upper
 165 100
 63 0.9 52.7 79.1#
 89 1.9 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.715 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033993.D
 Acq: 25 Apr 2018 19:08

Tgt Ion:165 Resp: 25909
 Ion Ratio Lower Upper
 165 100
 63 0.9 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

Instrument :

BNA_G

ClientSampleId :

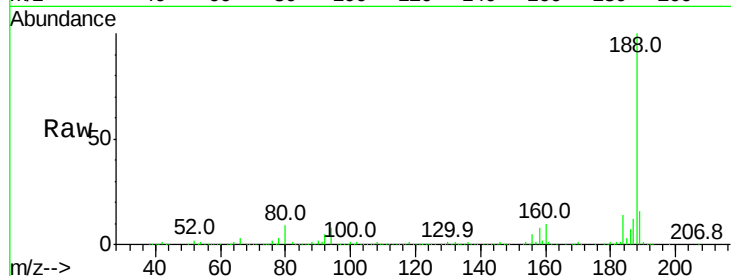
Tot Ion:188 Resp: 530679

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

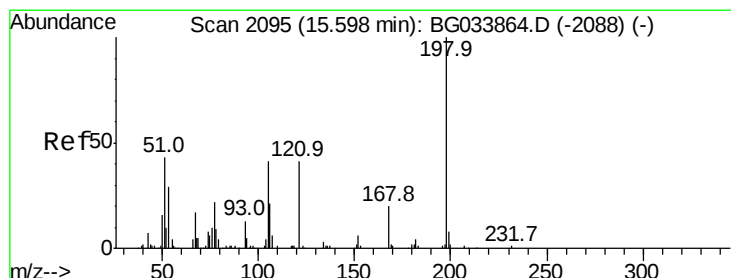
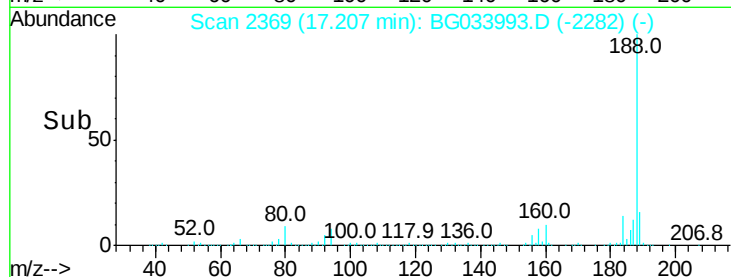
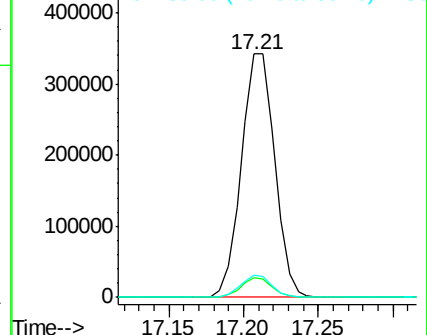
80 9.3 7.7 11.5



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: 6.654 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

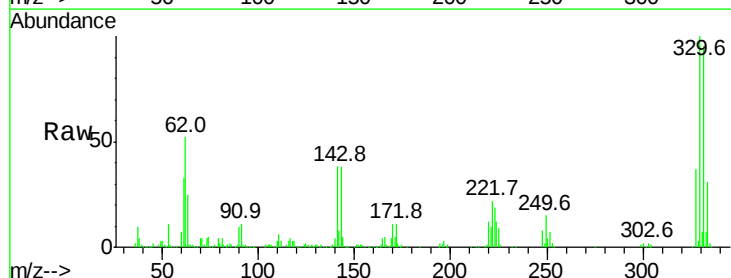
Tgt Ion:198 Resp: 487

Ion Ratio Lower Upper

198 100

51 32.9 30.6 70.6

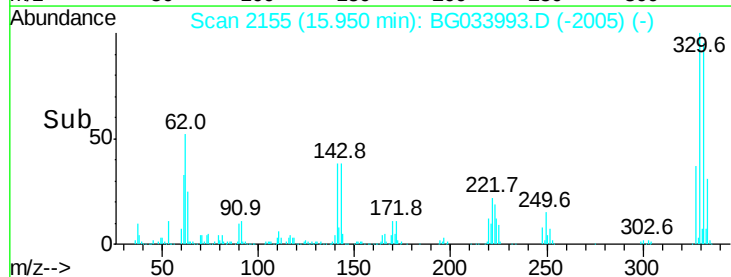
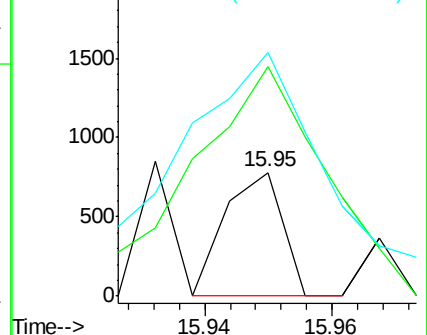
105 35.0 23.8 63.8

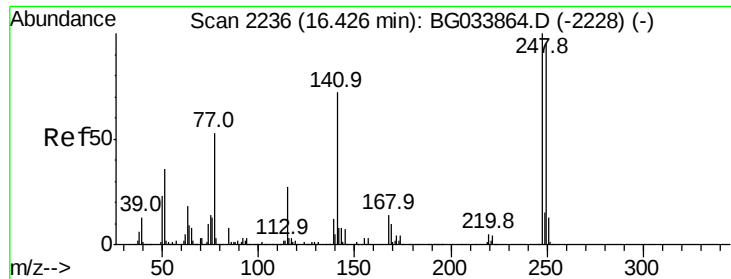


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

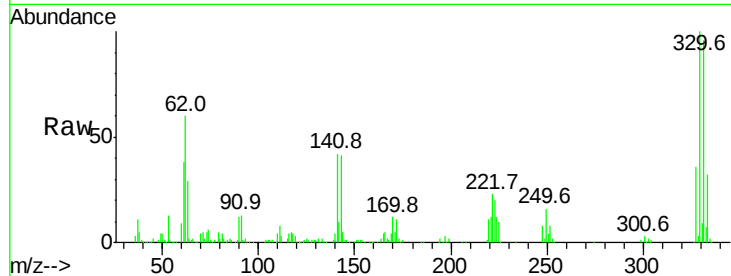




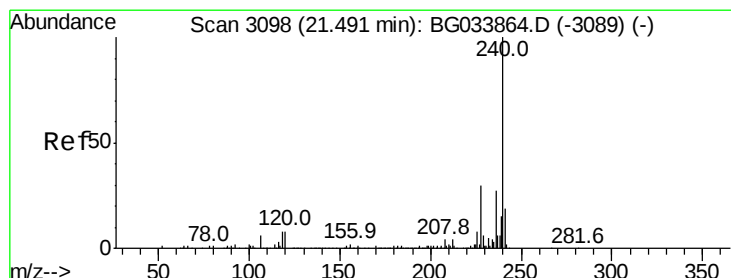
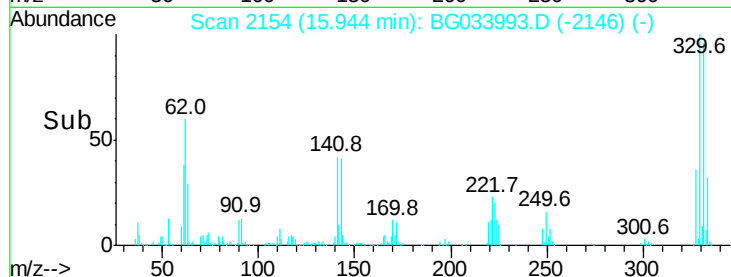
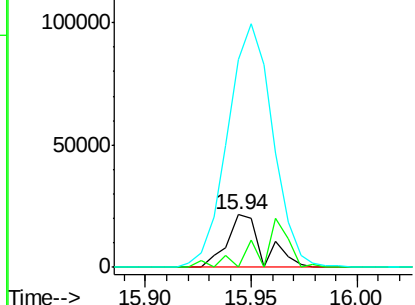
#66
4-Bromophenyl-phenylether
Concen: 4.304 ng
RT: 15.94 min Scan# 2154
Delta R.T. -0.48 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 25082
Ion Ratio Lower Upper
248 100
250 41.8 77.1 115.7#
141 397.3 50.8 76.2#

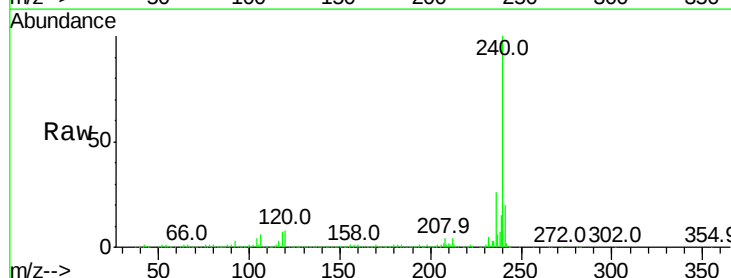


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

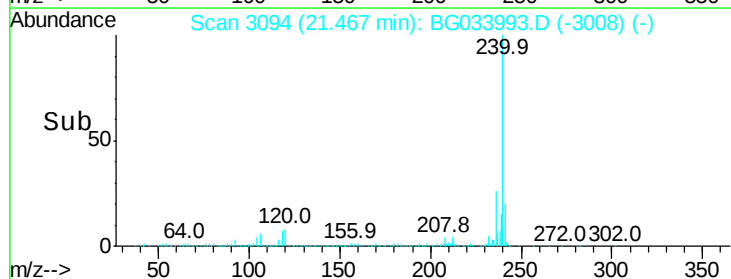
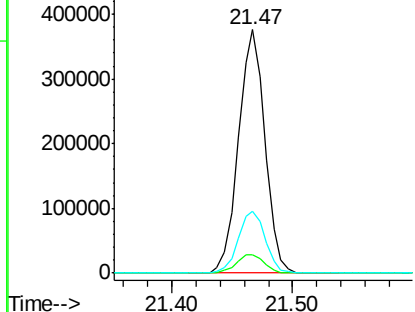


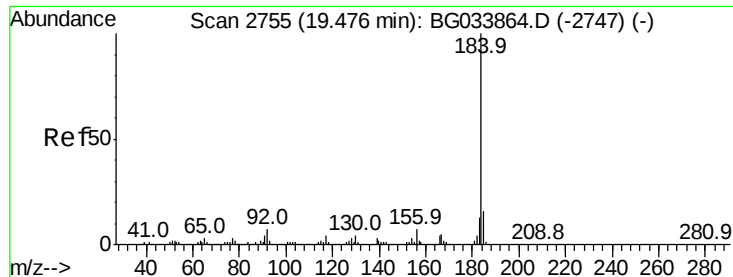
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Tgt Ion:240 Resp: 572292
Ion Ratio Lower Upper
240 100
120 7.7 6.8 10.2
236 25.6 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





#76

Benzidine

Concen: 2.535 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

Instrument :

BNA_G

ClientSampleId :

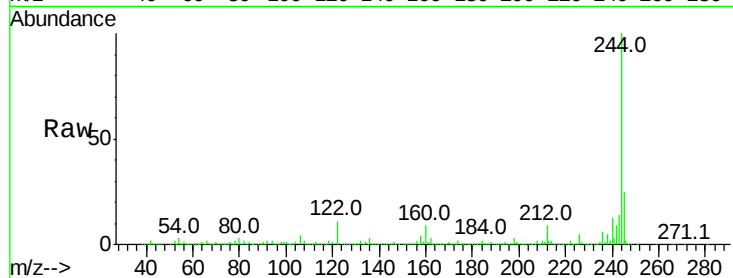
Tot Ion:184 Resp: 39172

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

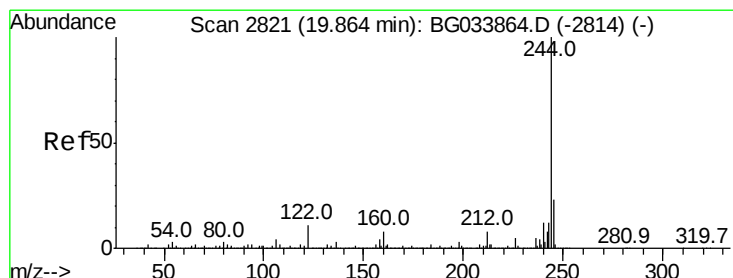
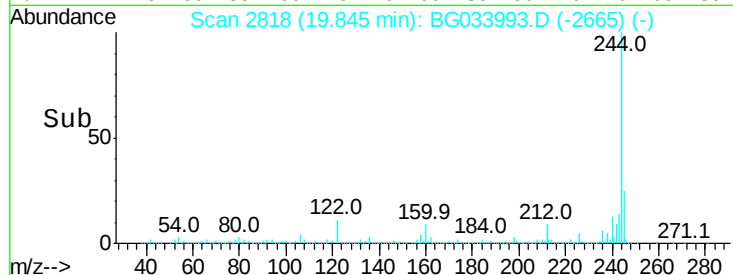
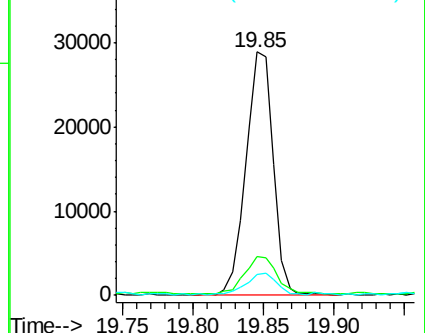
183 8.8 10.6 16.0#



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: 93.783 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033993.D

Acq: 25 Apr 2018 19:08

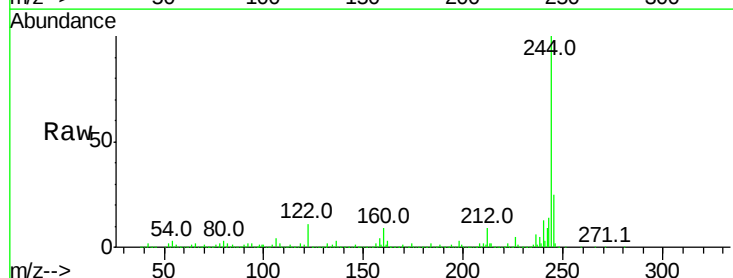
Tgt Ion:244 Resp: 2388996

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

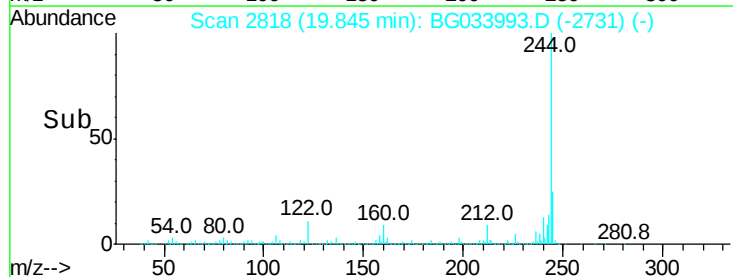
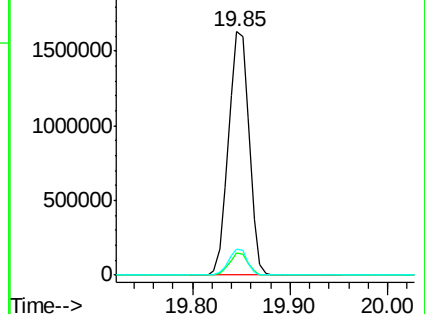
122 10.8 7.0 10.4#

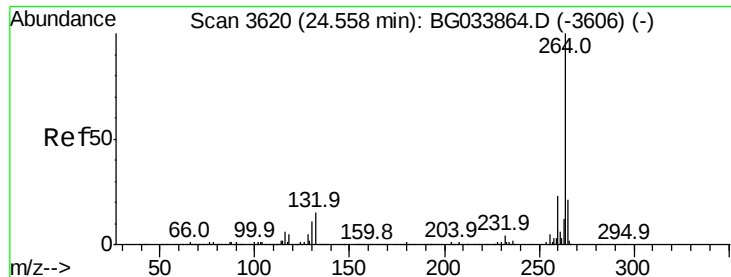


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

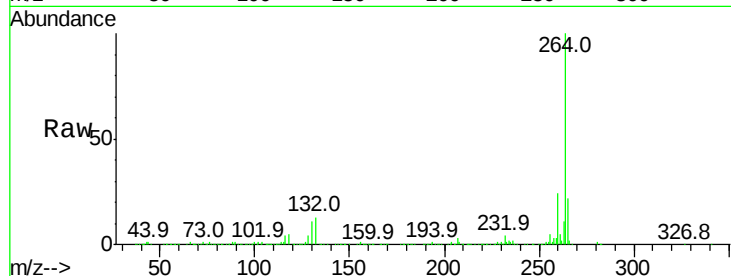




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.52 min Scan# 3614
Delta R.T. -0.04 min
Lab File: BG033993.D
Acq: 25 Apr 2018 19:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.5	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

