

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
 Data File : BG033975.D
 Acq On : 25 Apr 2018 5:36
 Operator : SJ/JU
 Sample : J2504-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 11:52:08 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

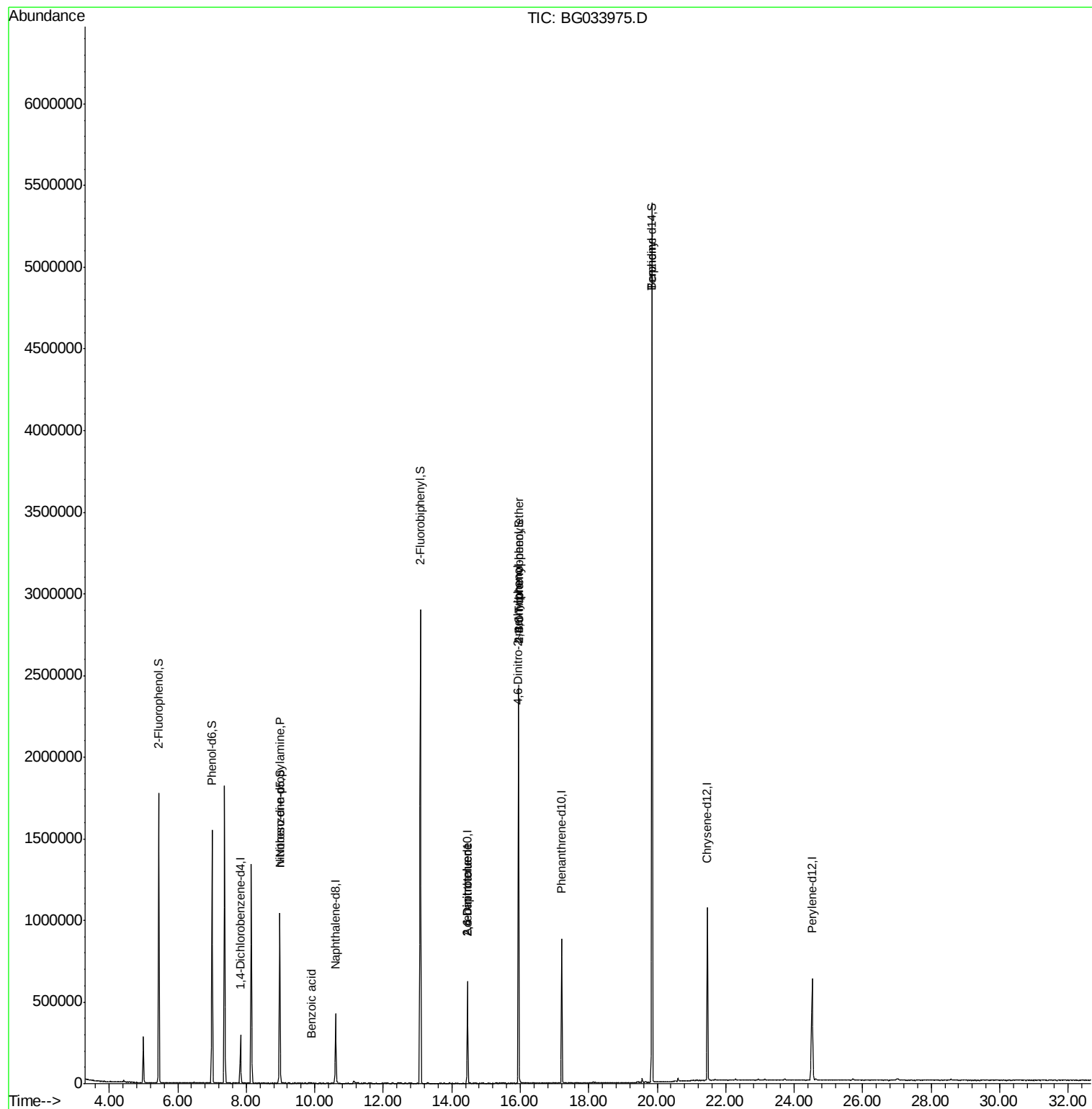
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	84713	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	353010	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	216129	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	532054	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	620168	20.00	ng	-0.03
86) Perylene-d12	24.52	264	634392	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	735492	138.61	ng	0.00
7) Phenol-d6	7.00	99	864349	111.68	ng	0.00
23) Nitrobenzene-d5	8.98	82	641970	103.49	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	431874	171.28	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1475642	100.30	ng	-0.02
78) Terphenyl-d14	19.85	244	2415217	87.49	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1386	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	86853	13.166 ng	#	5
32) Benzoic acid	9.92	122	189	5.118 ng	#	22
50) 2,6-Dinitrotoluene	14.46	165	28056	7.787 ng	#	21
56) 2,4-Dinitrotoluene	14.46	165	28056	5.856 ng	#	19
64) 4,6-Dinitro-2-methylphenol	15.94	198	1753	7.081 ng		75
66) 4-Bromophenyl-phenylether	15.96	248	27838	4.764 ng	#	1
76) Benzidine	19.85	184	40904	2.442 ng	#	92

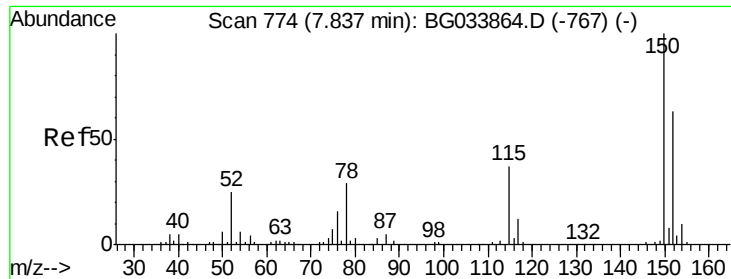
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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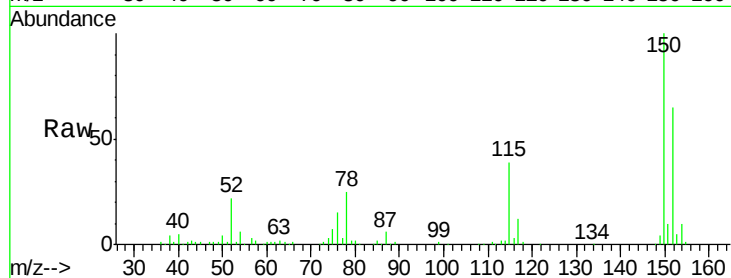


#1

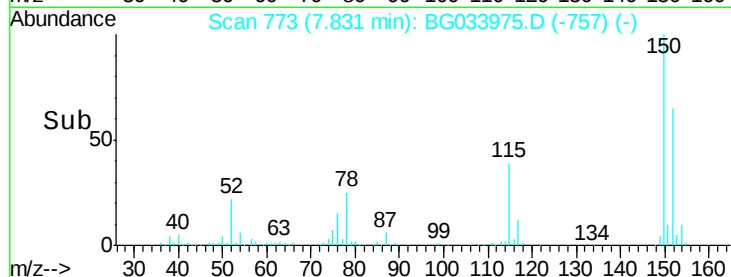
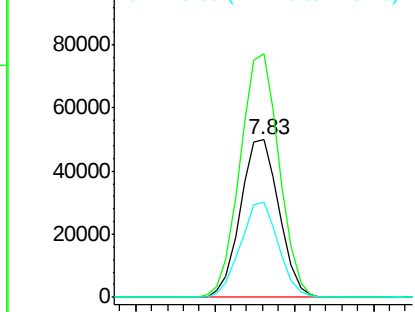
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 84713
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 60.8 53.0 79.4



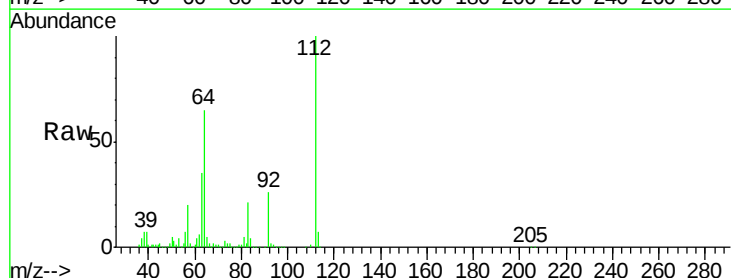
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



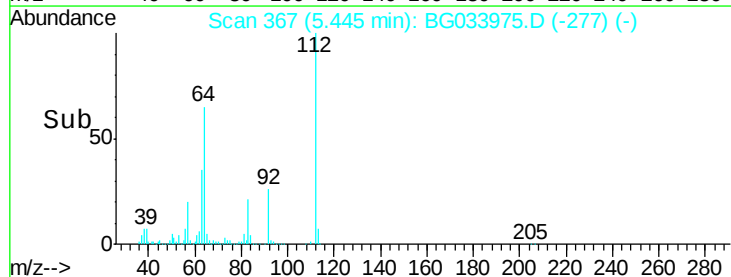
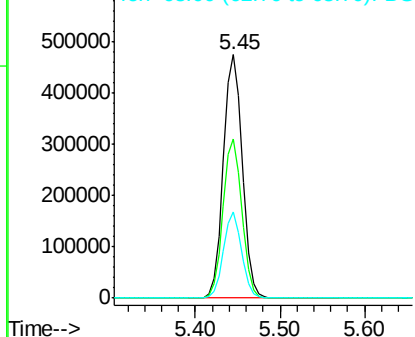
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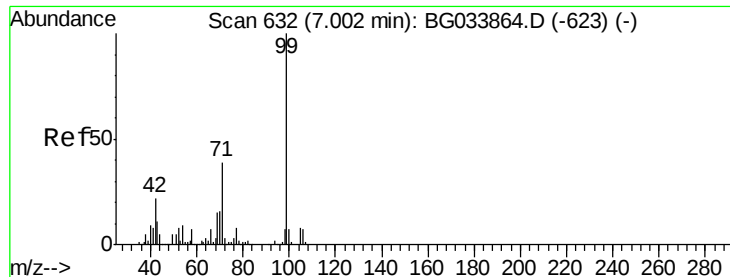
2-Fluorophenol
Concen: 138.614 ng
RT: 5.45 min Scan# 367
Delta R.T. -0.00 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

Tgt Ion:112 Resp: 735492
Ion Ratio Lower Upper
112 100
64 65.3 56.3 84.5
63 35.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 111.685 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033975.D

Acq: 25 Apr 2018 5:36

Instrument :

BNA_G

ClientSampleId :

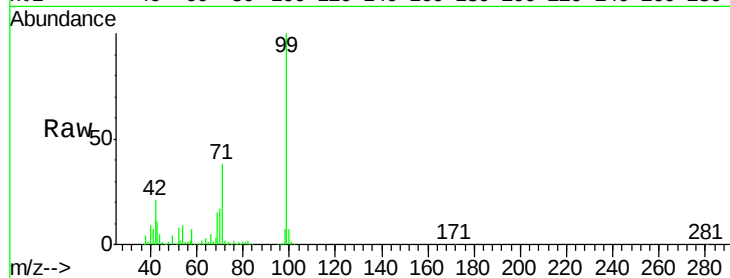
Tot Ion: 99 Resp: 864349

Ion Ratio Lower Upper

99 100

42 21.1 14.1 21.1

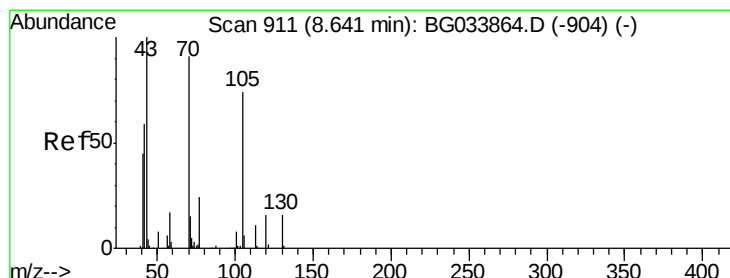
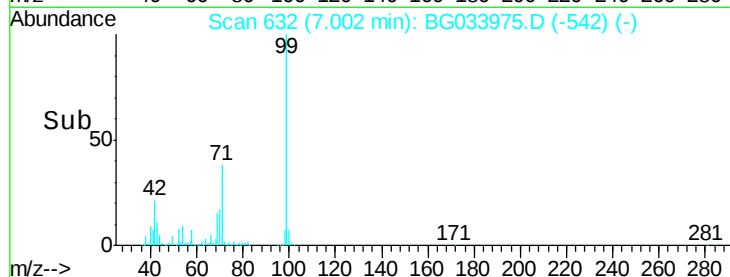
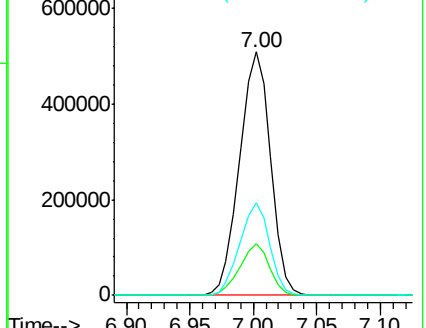
71 37.8 26.1 39.1



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: 13.166 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033975.D

Acq: 25 Apr 2018 5:36

Tgt Ion: 70 Resp: 86853

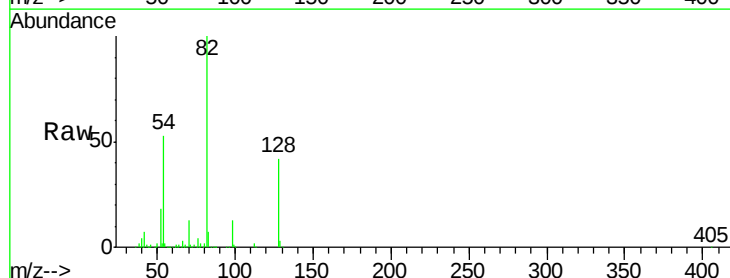
Ion Ratio Lower Upper

70 100

42 51.7 49.1 73.7

101 0.0 8.5 12.7#

130 1.7 13.4 20.0#

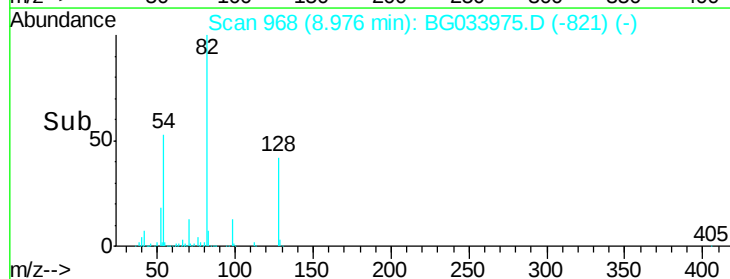
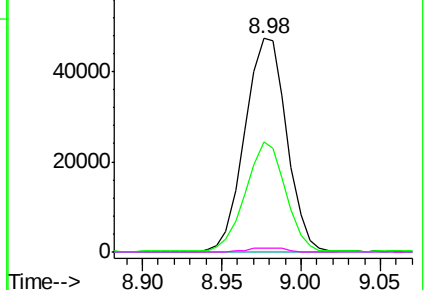


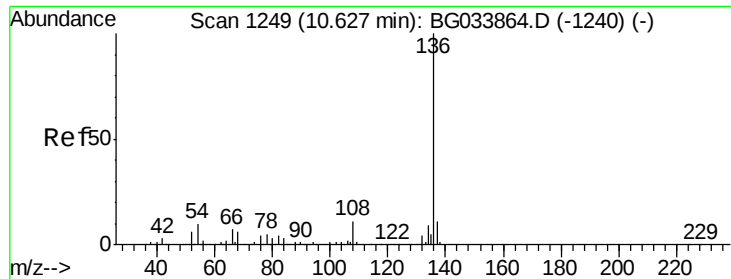
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

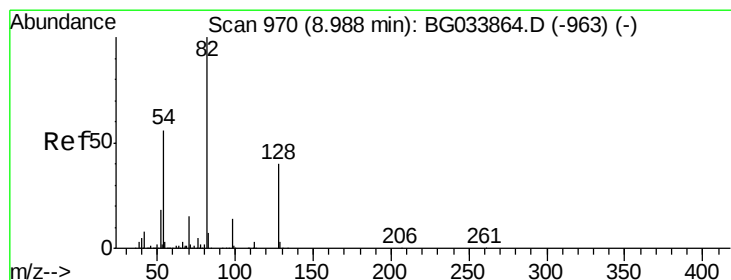
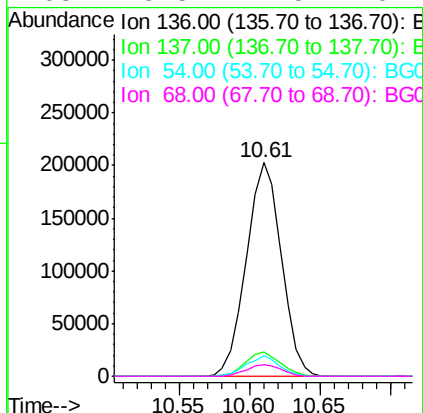
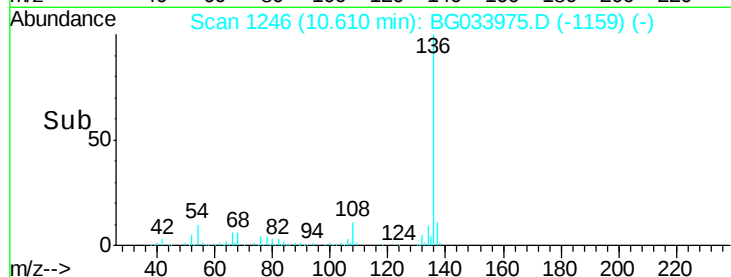
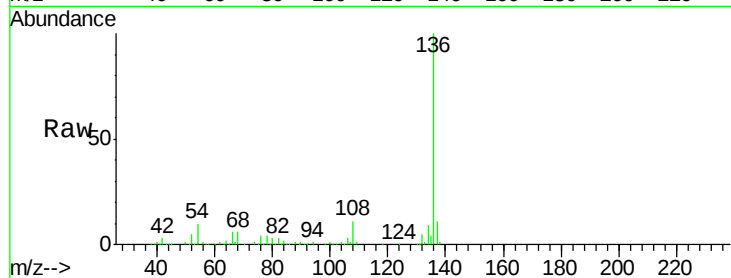




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

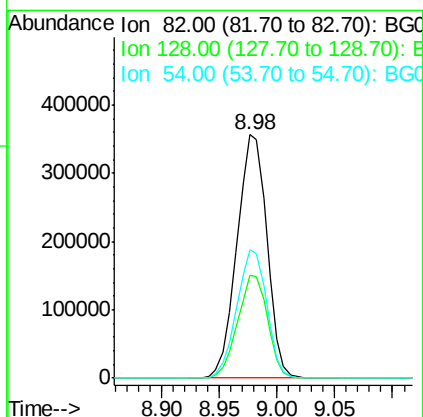
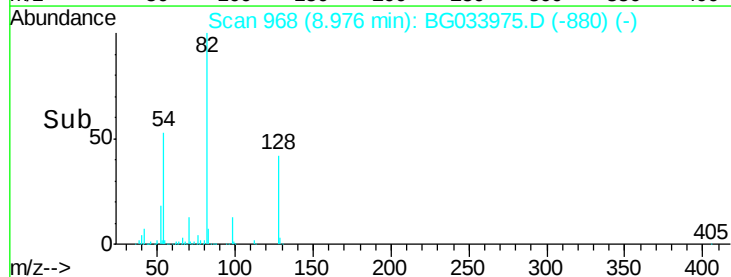
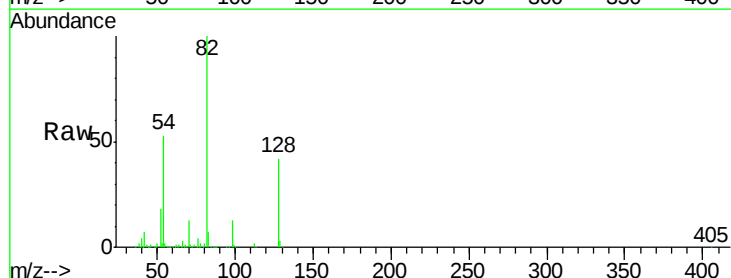
Instrument :
BNA_G
ClientSampleId :

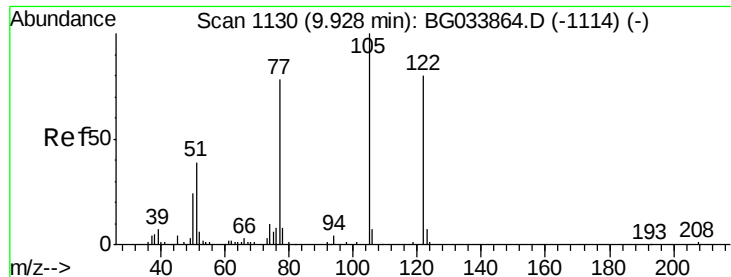
Tot Ion:136	Resp:	353010
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.2 13.8
54	9.6	10.3 15.5#
68	5.5	4.5 6.7



#23
Nitrobenzene-d5
Concen: 103.494 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

Tgt Ion: 82	Resp:	641970
Ion Ratio	Lower	Upper
82	100	
128	42.4	29.7 44.5
54	52.8	43.1 64.7

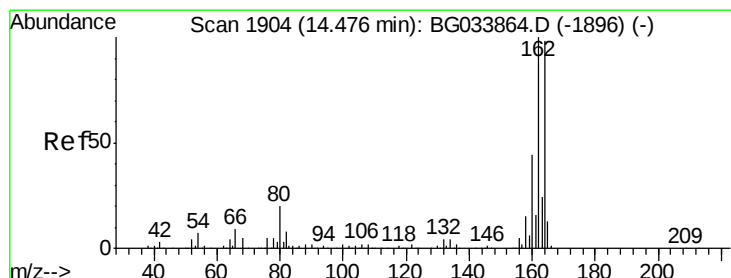
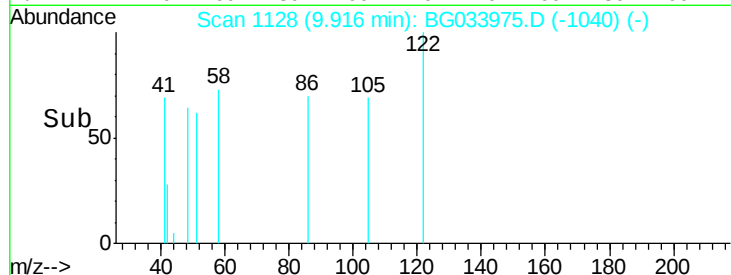
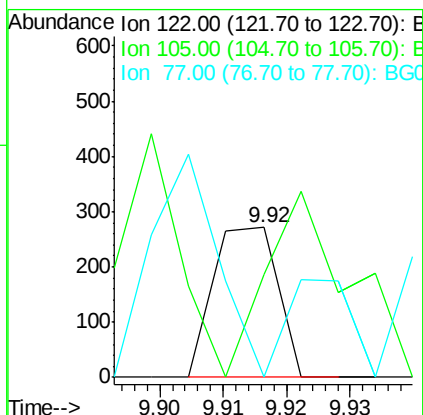
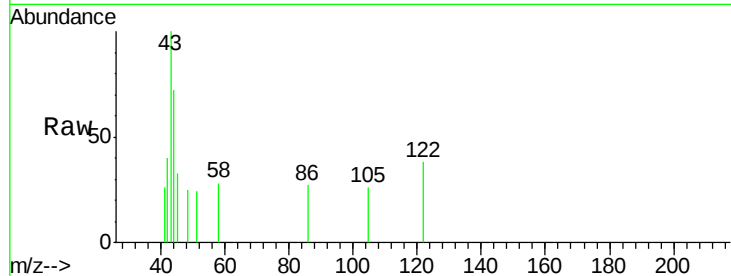




#32
Benzoic acid
Concen: 5.118 ng
RT: 9.92 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

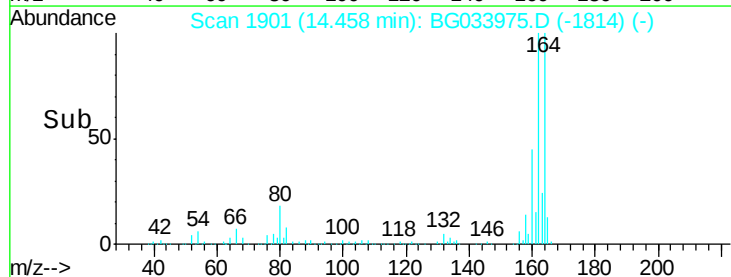
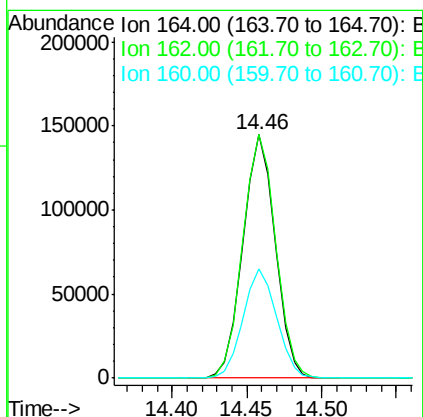
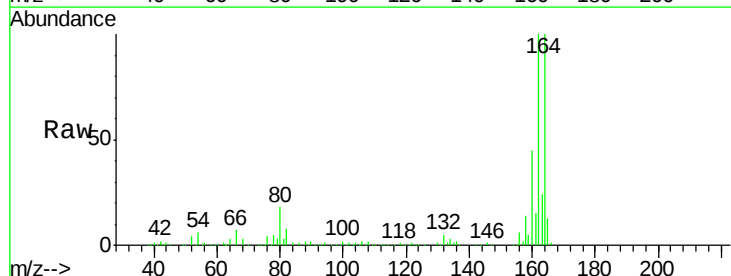
Instrument :
BNA_G
ClientSampled :

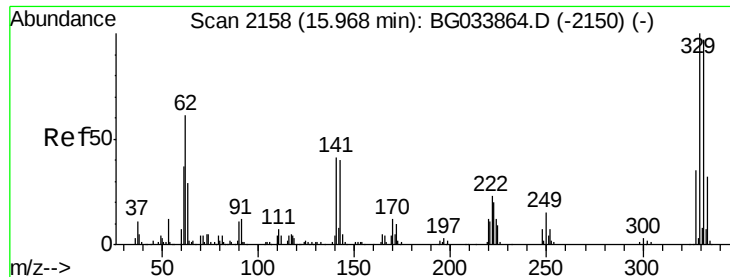
Tot Ion:122 Resp: 189
Ion Ratio Lower Upper
122 100
105 69.0 123.5 163.5#
77 0.0 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

Tgt Ion:164 Resp: 216129
Ion Ratio Lower Upper
164 100
162 100.1 78.8 118.2
160 45.1 35.4 53.0

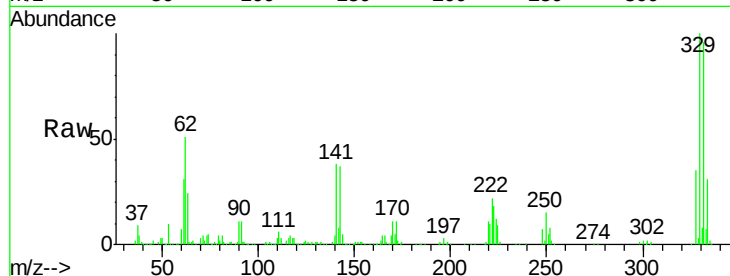




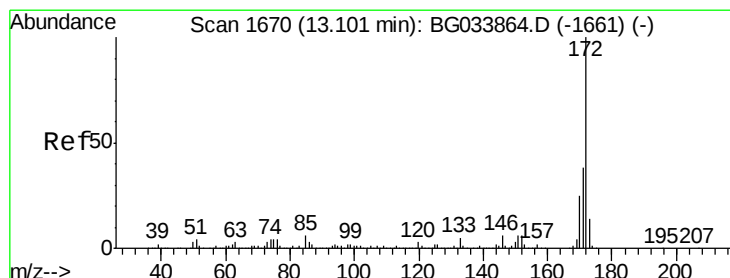
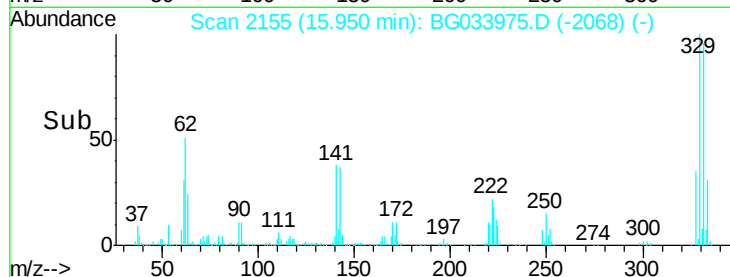
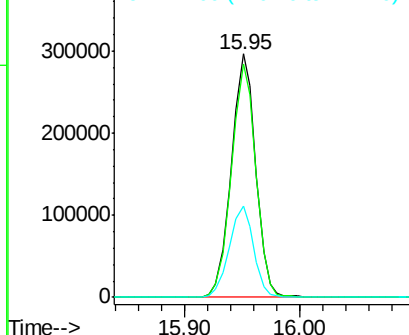
#41
 2,4,6-Tribromophenol
 Concen: 171.277 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033975.D
 Acq: 25 Apr 2018 5:36

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	37.6	25.2	37.8

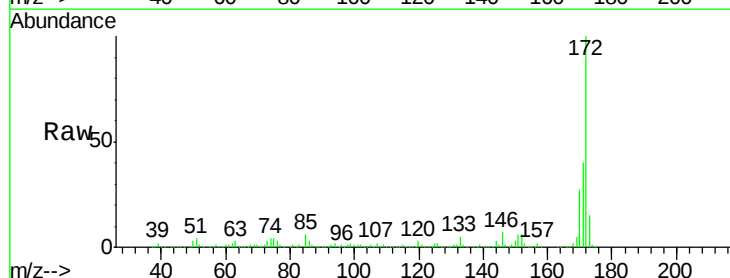


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

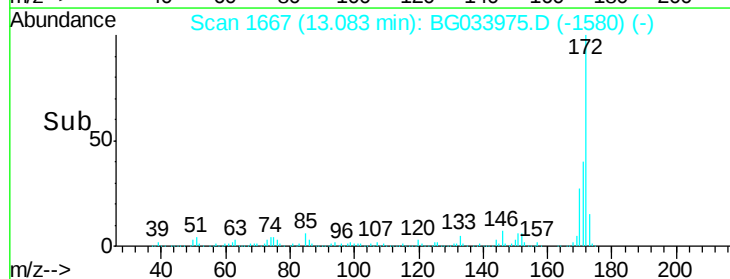
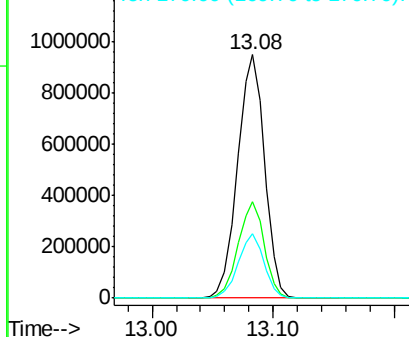


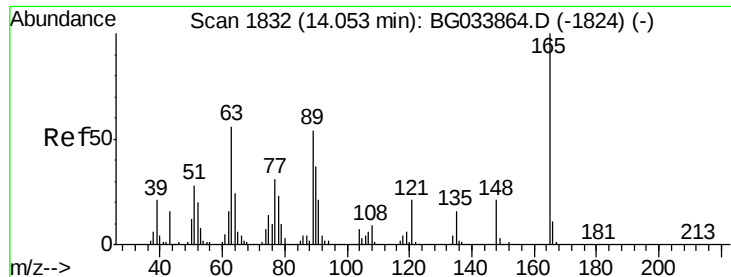
#44
 2-Fluorobiphenyl
 Concen: 100.299 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033975.D
 Acq: 25 Apr 2018 5:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.7	30.0	45.0
170	26.6	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

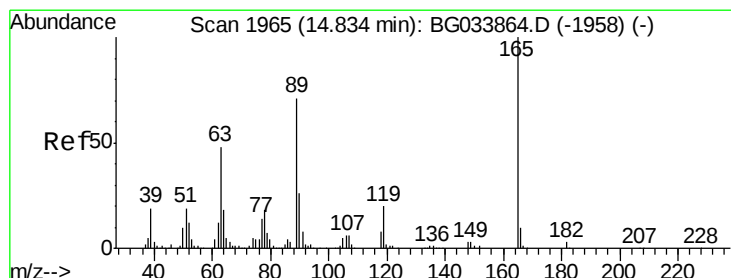
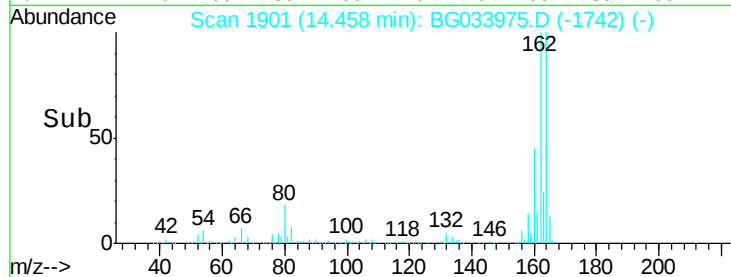
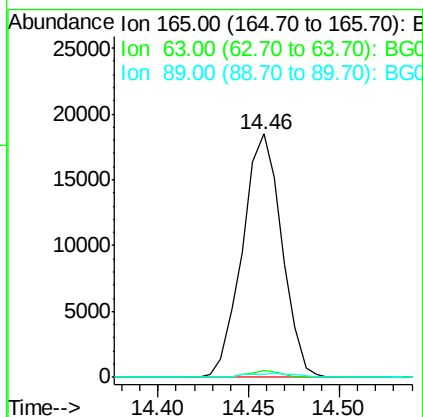
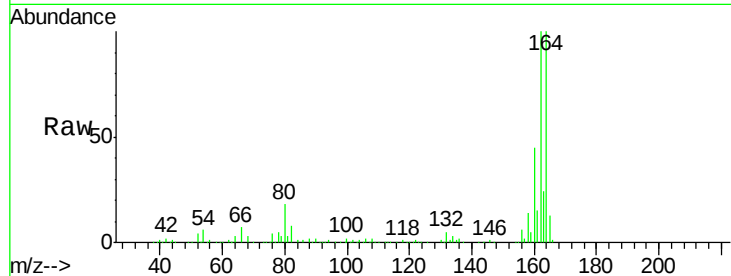




#50
 2,6-Dinitrotoluene
 Concen: 7.787 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.41 min
 Lab File: BG033975.D
 Acq: 25 Apr 2018 5:36

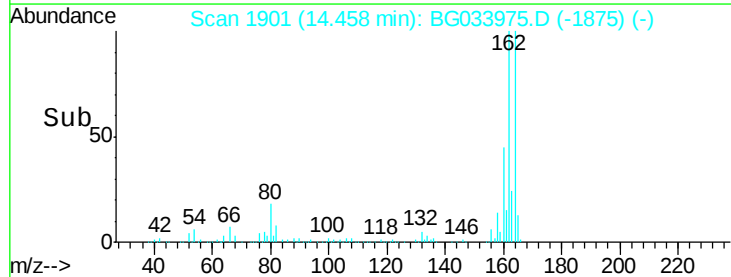
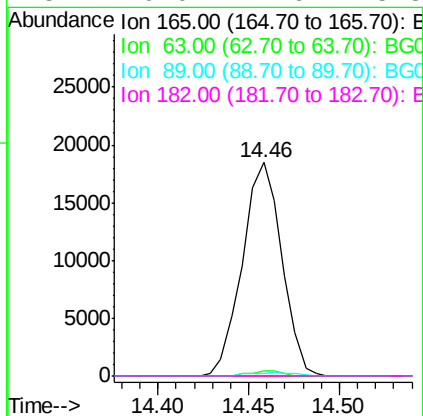
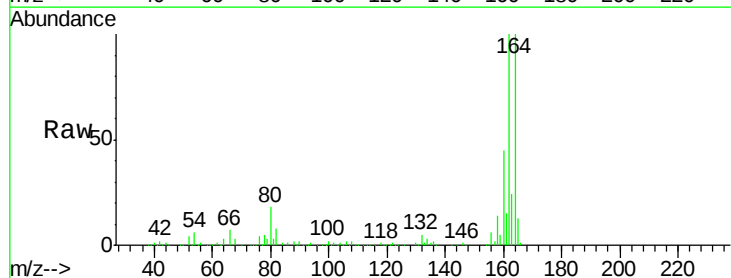
Instrument :
 BNA_G
 ClientSampleId :

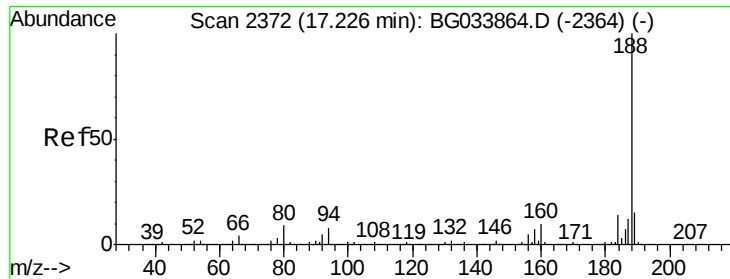
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	52.7	79.1#
89	1.3	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.856 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033975.D
 Acq: 25 Apr 2018 5:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.0	63.0#
89	1.3	66.9	100.3#
182	0.0	2.6	3.8#

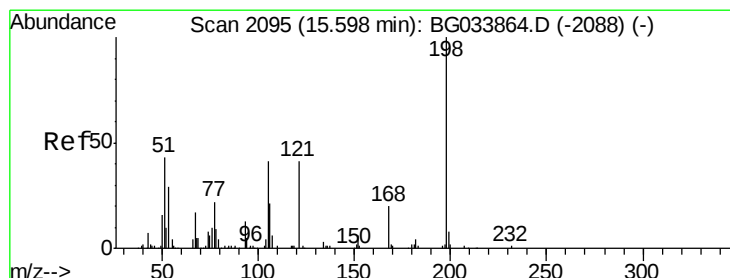
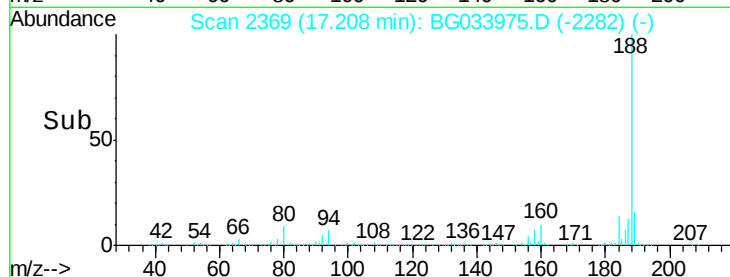
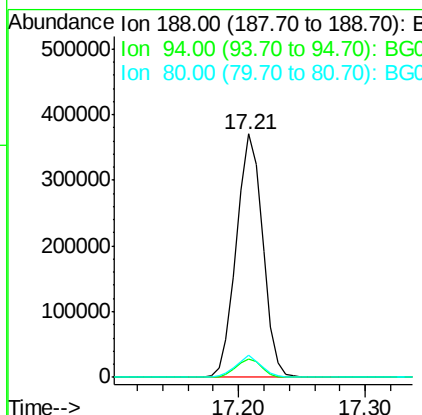
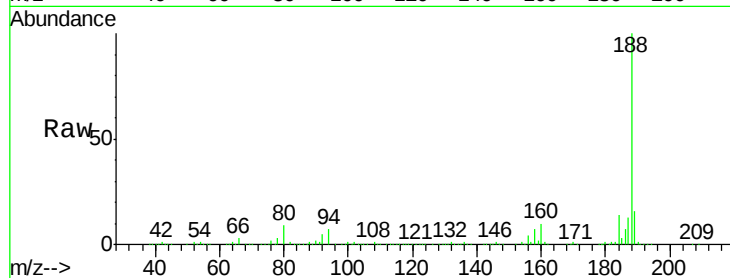




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG033975.D
 Acq: 25 Apr 2018 5:36

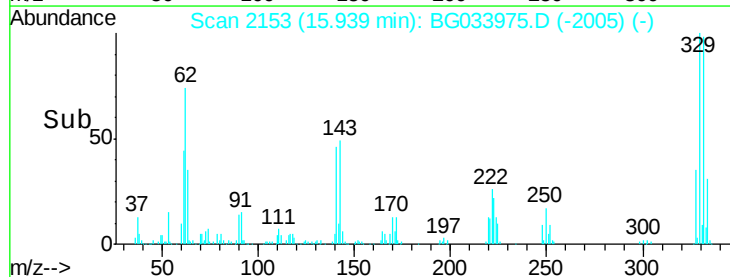
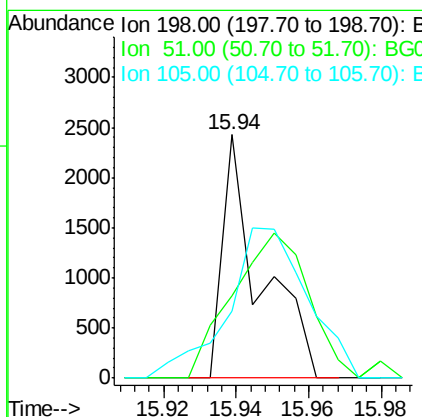
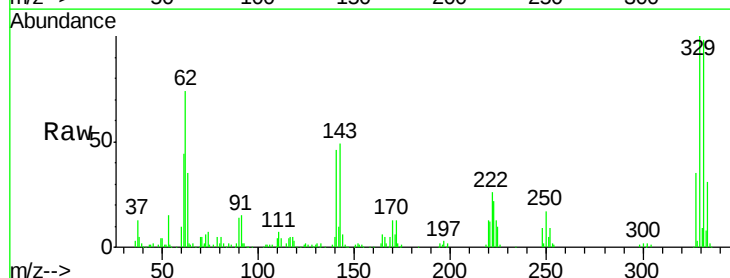
Instrument :
 BNA_G
 ClientSampled :

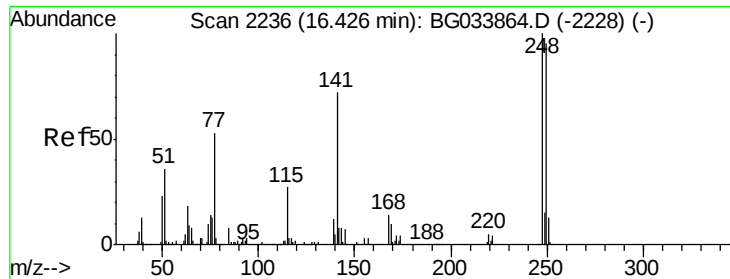
Tot Ion:188 Resp: 532054
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.9 10.3
 80 9.1 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.081 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. 0.34 min
 Lab File: BG033975.D
 Acq: 25 Apr 2018 5:36

Tgt Ion:198 Resp: 1753
 Ion Ratio Lower Upper
 198 100
 51 33.7 30.6 70.6
 105 27.6 23.8 63.8

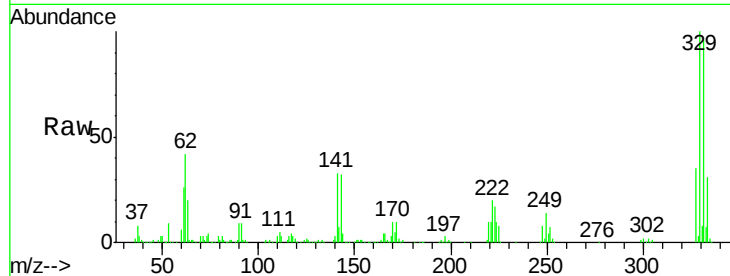




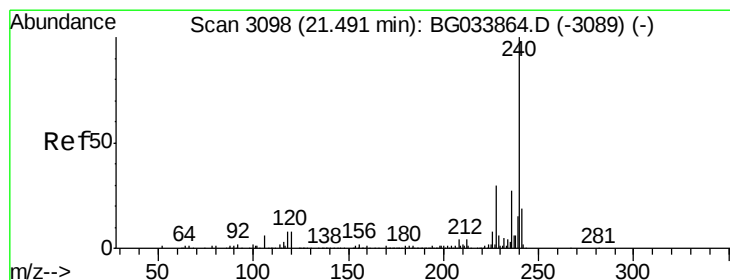
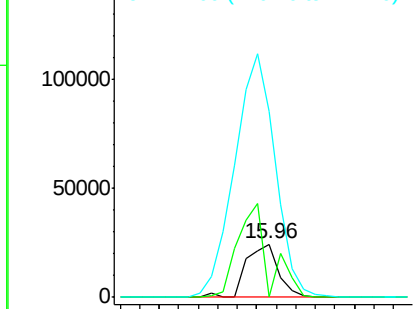
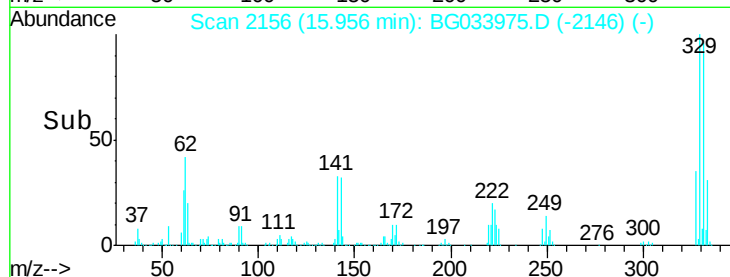
#66
4-Bromophenyl-phenylether
Concen: 4.764 ng
RT: 15.96 min Scan# 2156
Delta R.T. -0.47 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 27838
Ion Ratio Lower Upper
248 100
250 45.1 77.1 115.7#
141 349.7 50.8 76.2#

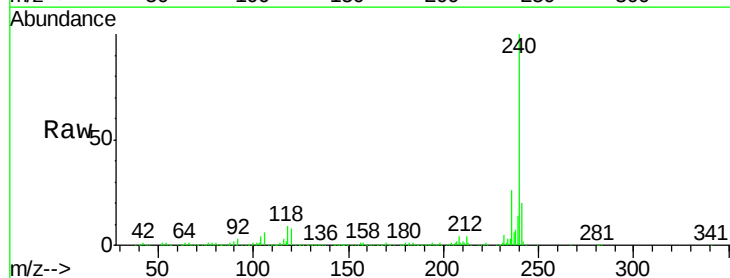


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

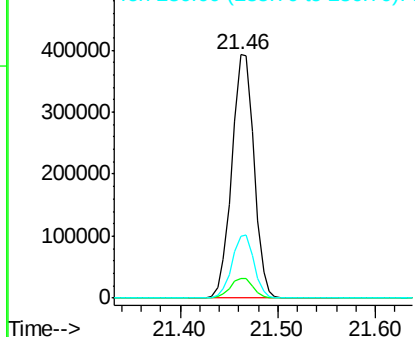
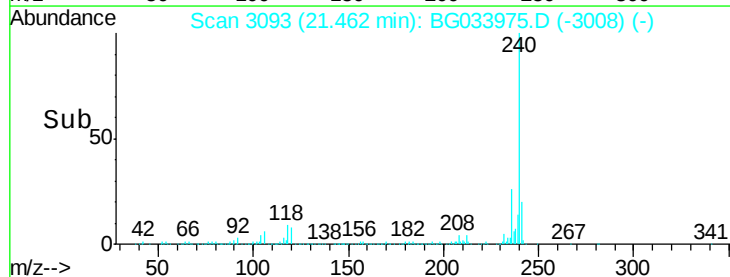


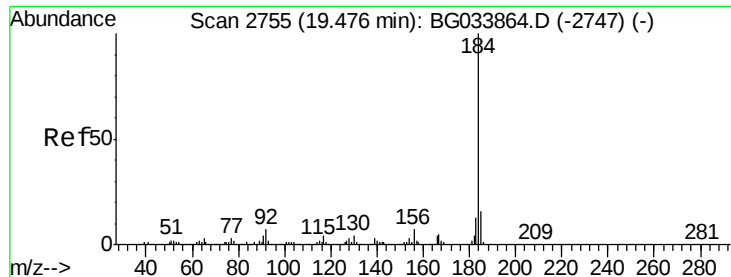
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.46 min Scan# 3093
Delta R.T. -0.03 min
Lab File: BG033975.D
Acq: 25 Apr 2018 5:36

Tgt Ion:240 Resp: 620168
Ion Ratio Lower Upper
240 100
120 8.0 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: 2.442 ng

RT: 19.85 min Scan# 2818

Delta R.T. 0.37 min

Lab File: BG033975.D

Acq: 25 Apr 2018 5:36

Instrument :

BNA_G

ClientSampleId :

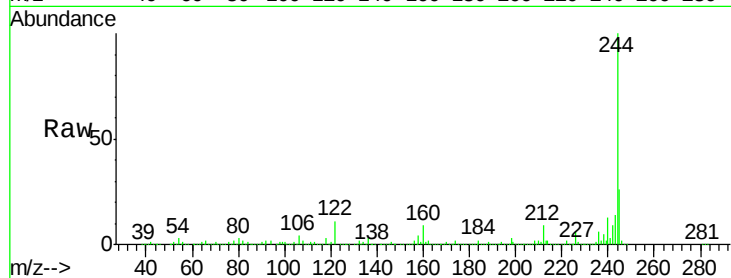
Tot Ion:184 Resp: 40904

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

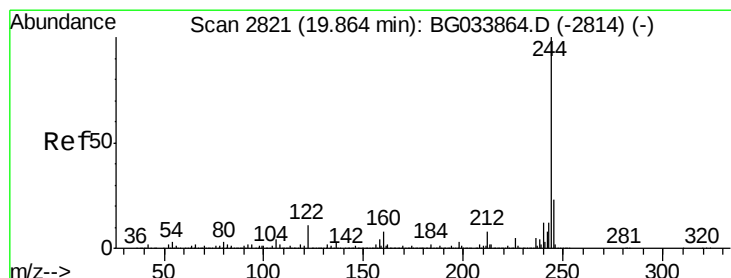
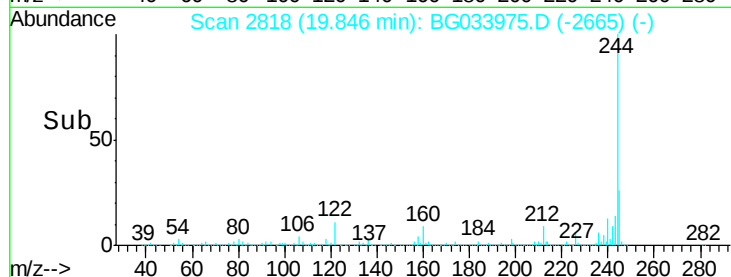
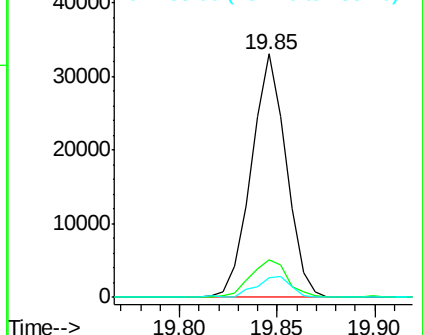
183 8.2 10.6 16.0#



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: 87.493 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033975.D

Acq: 25 Apr 2018 5:36

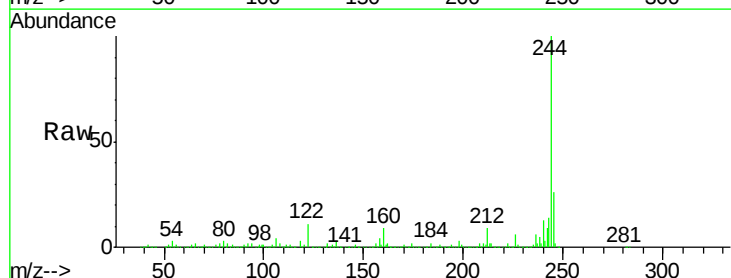
Tgt Ion:244 Resp: 2415217

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

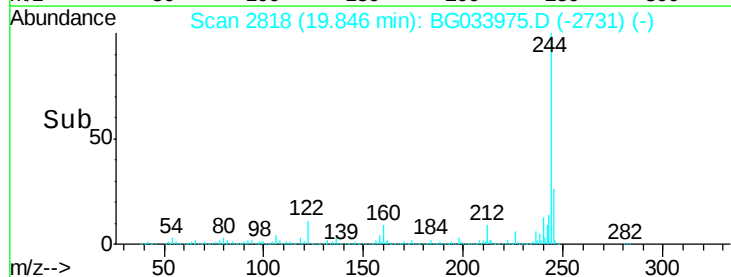
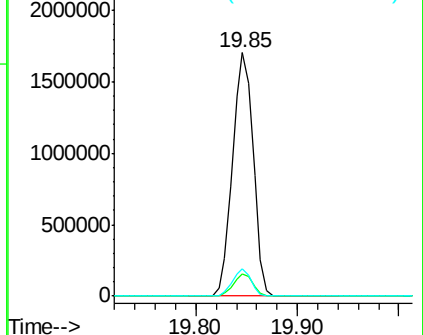
122 11.0 7.0 10.4#

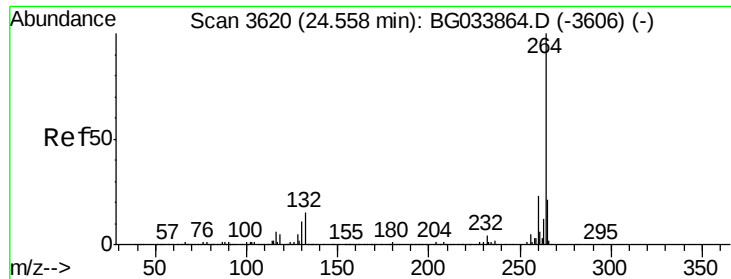


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG033975.D
Acq: 25 Apr 2018 5:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264 Resp: 634392
Ion Ratio Lower Upper
264 100
260 23.4 17.4 26.0
265 22.1 17.7 26.5

