

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032218\
 Data File : BG033320.D
 Acq On : 23 Mar 2018 11:36
 Operator : SJ/JU
 Sample : J1978-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 23 14:33:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 17:32:09 2018
 Response via : Initial Calibration

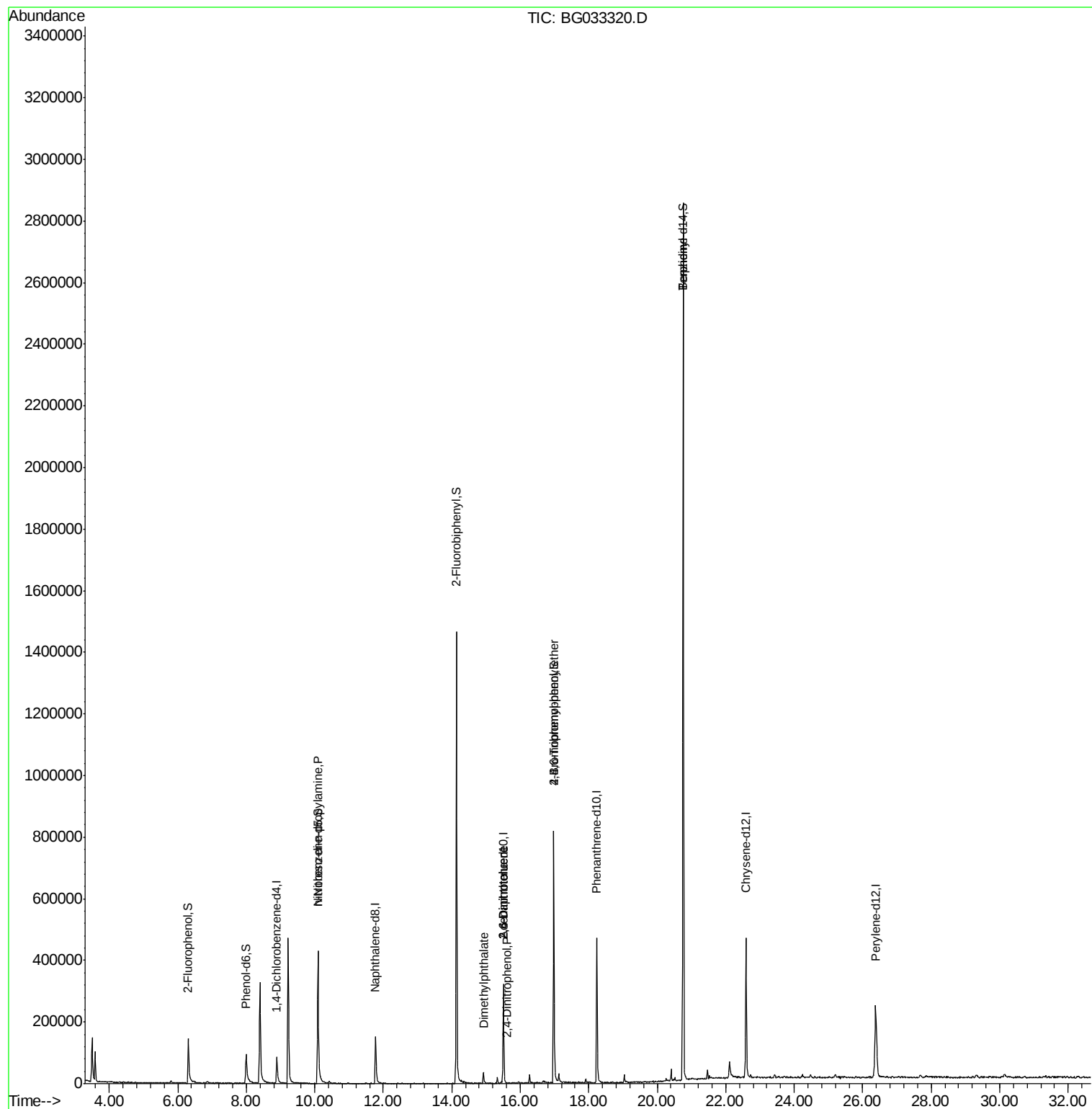
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	34549	20.00	ng	0.00
21) Naphthalene-d8	11.77	136	154066	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	126275	20.00	ng	0.00
63) Phenanthrene-d10	18.23	188	340445	20.00	ng	0.00
75) Chrysene-d12	22.59	240	333094	20.00	ng	0.00
86) Perylene-d12	26.38	264	341736	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	80627	43.76	ng	0.00
7) Phenol-d6	7.99	99	86802	27.42	ng	0.00
23) Nitrobenzene-d5	10.09	82	316461	94.37	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	172445	91.31	ng	0.00
44) 2-Fluorobiphenyl	14.13	172	829444	94.83	ng	0.00
78) Terphenyl-d14	20.75	244	1441486	92.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.09	70	44172	19.042	ng	# 78
49) Dimethylphthalate	14.93	163	23823	2.168	ng	# 96
50) 2,6-Dinitrotoluene	15.50	165	15934	7.091	ng	# 18
53) 2,4-Dinitrophenol	15.61	184	54	7.685	ng	# 1
56) 2,4-Dinitrotoluene	15.50	165	15934	4.816	ng	# 16
66) 4-Bromophenyl-phenylether	16.98	248	12631	3.159	ng	# 1
76) Benzidine	20.75	184	23637	2.617	ng	# 90

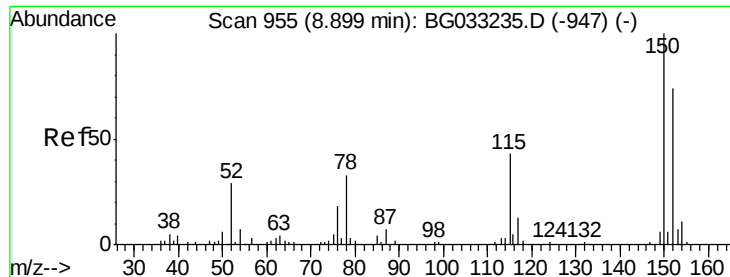
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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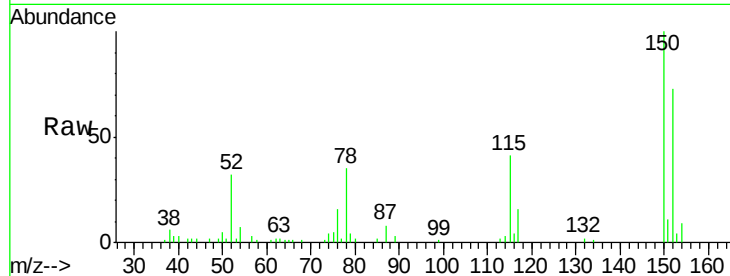


#1

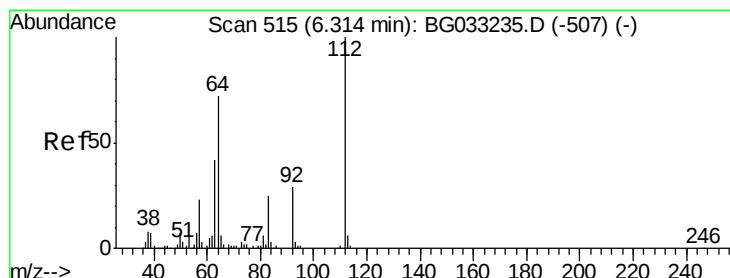
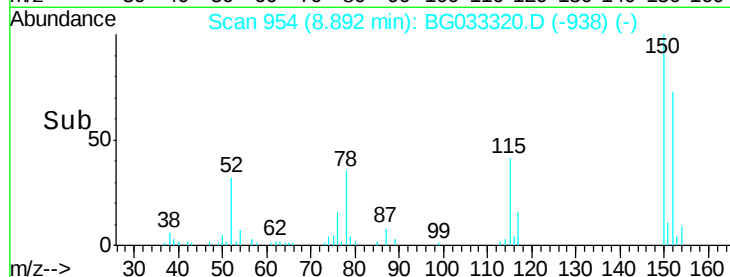
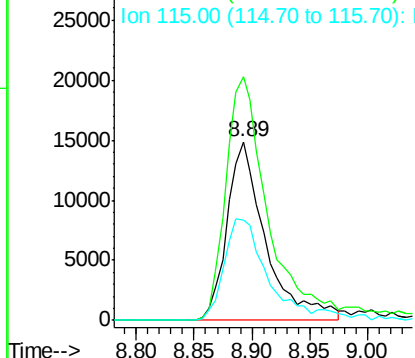
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.4	126.6	189.8
115	56.2	53.0	79.4



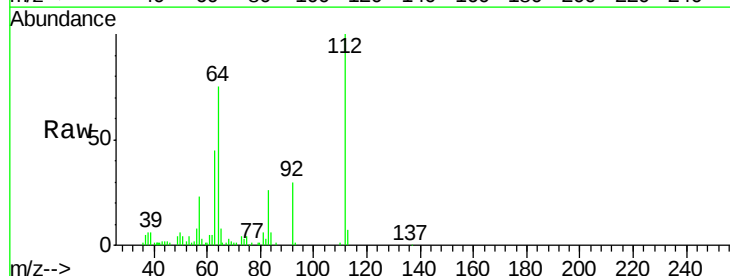
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



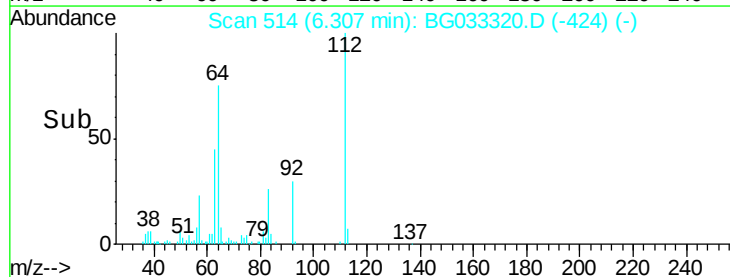
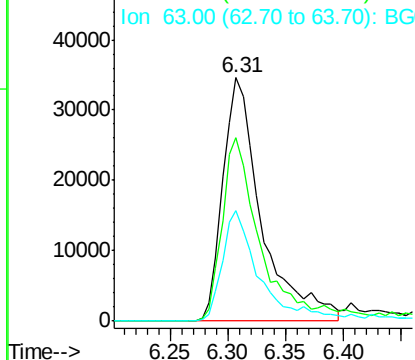
#5

2-Fluorophenol
Concen: 43.760 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.00 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.4	56.3	84.5
63	45.4	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: 27.419 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033320.D

Acq: 23 Mar 2018 11:36

Instrument :

BNA_G

ClientSampleId :

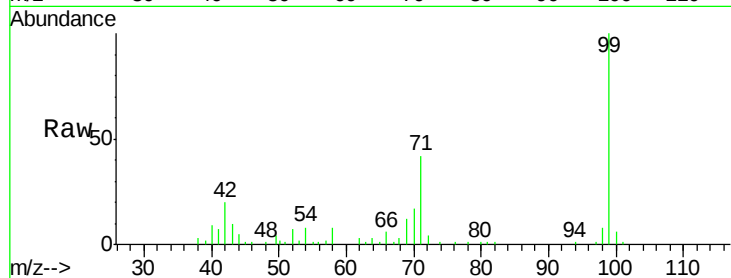
Tot Ion: 99 Resp: 86802

Ion Ratio Lower Upper

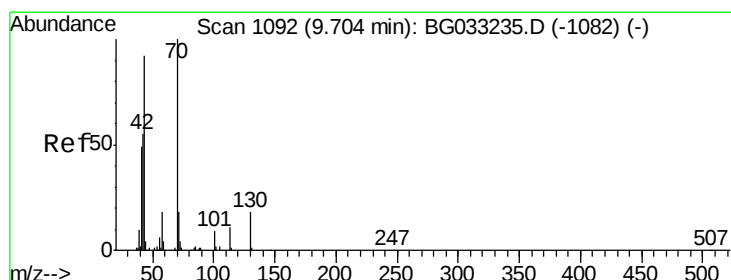
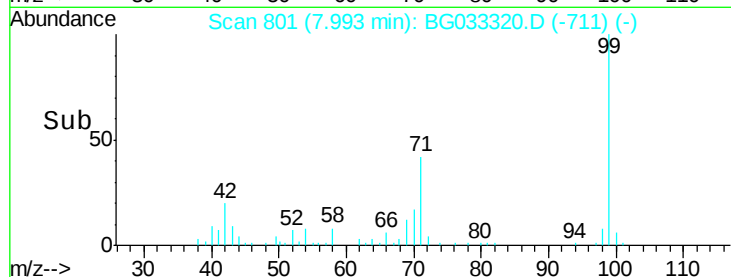
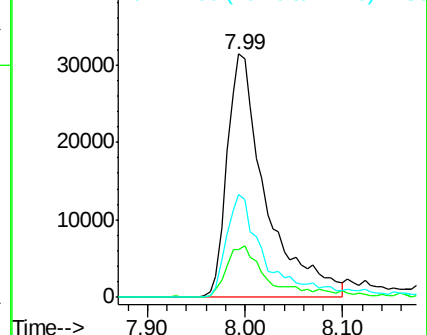
99 100

42 19.7 14.1 21.1

71 42.3 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: 19.042 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.39 min

Lab File: BG033320.D

Acq: 23 Mar 2018 11:36

Tgt Ion: 70 Resp: 44172

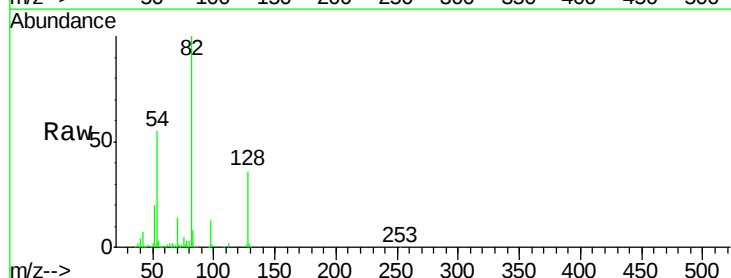
Ion Ratio Lower Upper

70 100

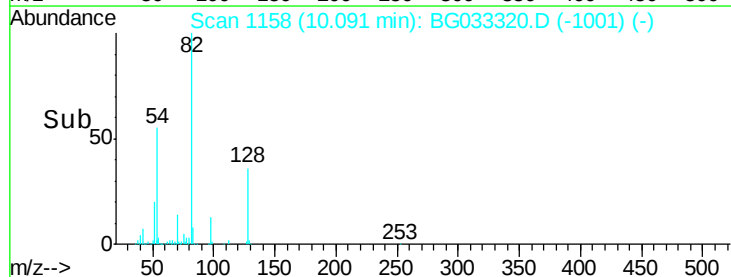
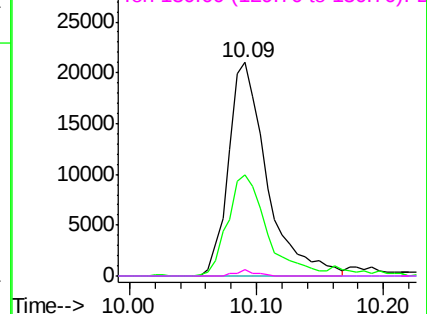
42 47.2 49.1 73.7#

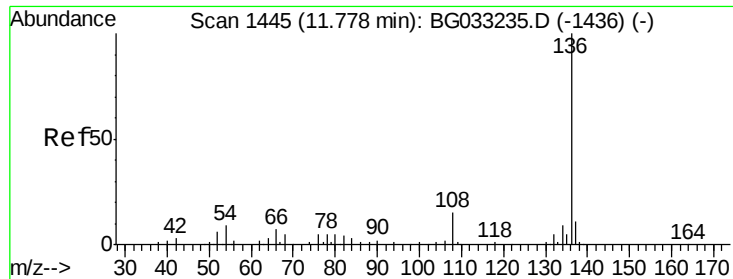
101 0.0 8.5 12.7#

130 3.2 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: 11.77 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BG033320.D

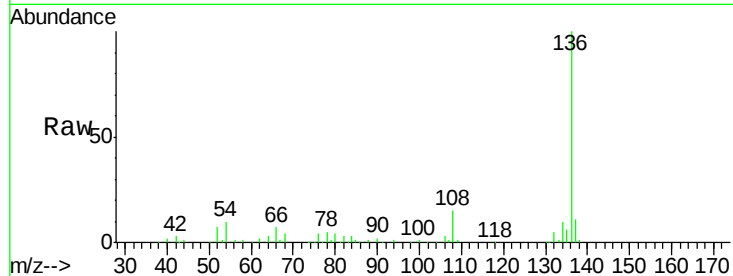
Acq: 23 Mar 2018 11:36

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136	Resp:	154066
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.2 13.8
54	10.3	10.3 15.5#
68	4.2	4.5 6.7#



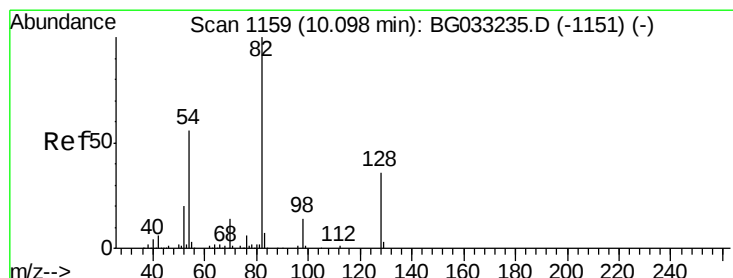
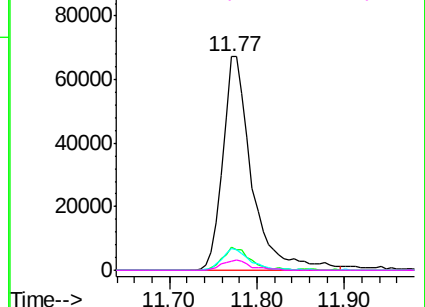
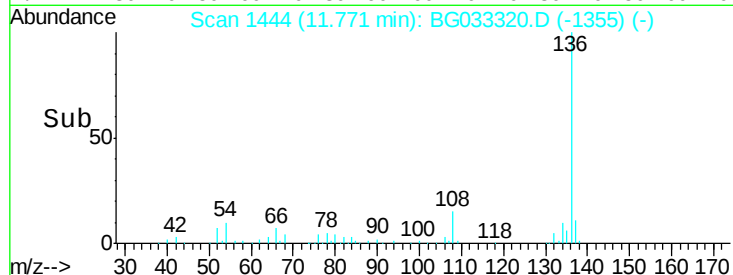
Abundance

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: 94.372 ng

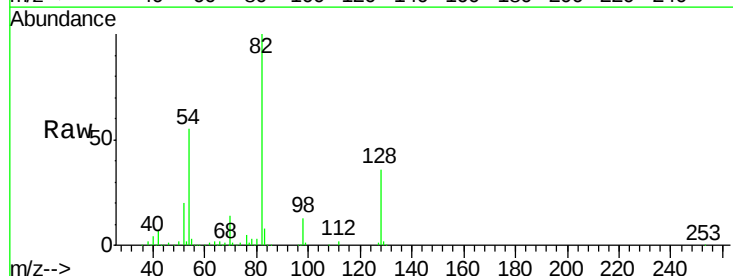
RT: 10.09 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BG033320.D

Acq: 23 Mar 2018 11:36

Tgt Ion: 82	Resp:	316461
Ion	Ratio	Lower Upper
82	100	
128	35.5	29.7 44.5
54	54.9	43.1 64.7

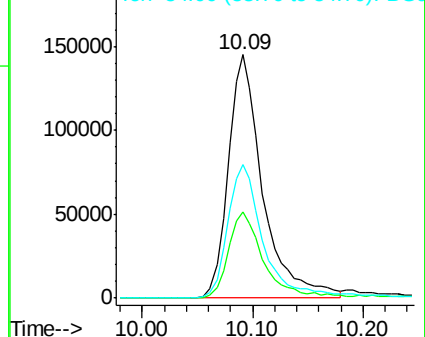
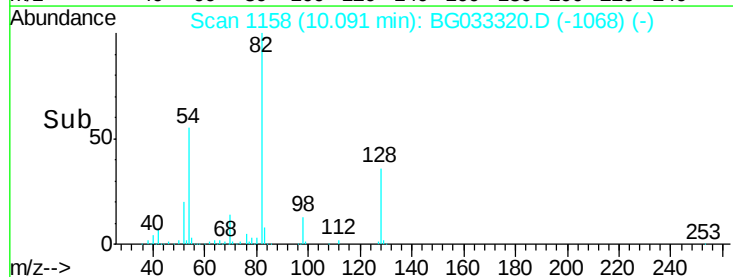


Abundance

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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG033320.D

Acq: 23 Mar 2018 11:36

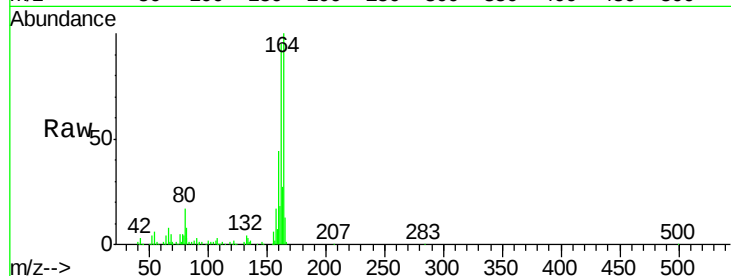
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 126275

Ion	Ratio	Lower	Upper
164	100		
162	94.6	78.8	118.2
160	43.6	35.4	53.0

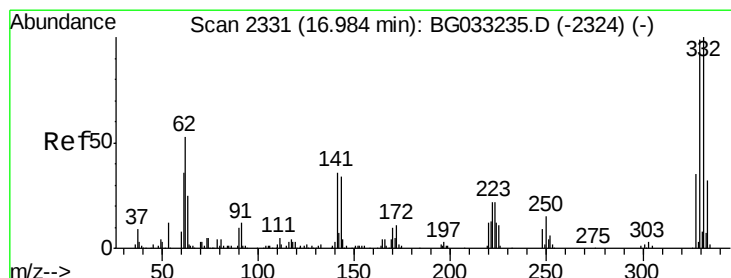
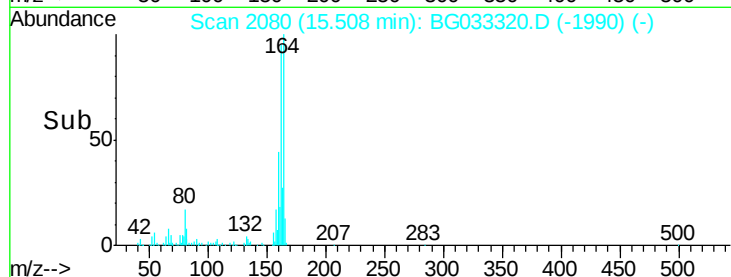
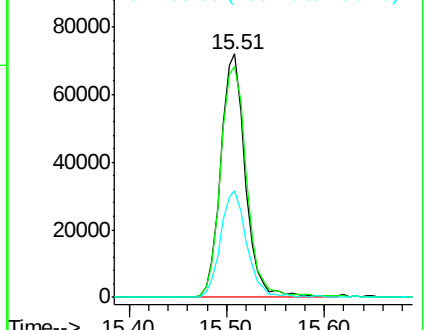


Abundance

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: 91.309 ng

RT: 16.98 min Scan# 2330

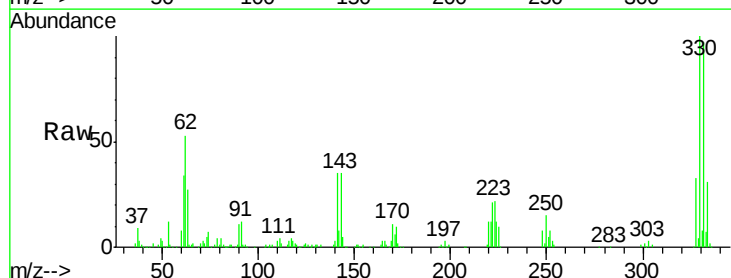
Delta R.T. -0.01 min

Lab File: BG033320.D

Acq: 23 Mar 2018 11:36

Tgt Ion:330 Resp: 172445

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	34.5	25.2	37.8

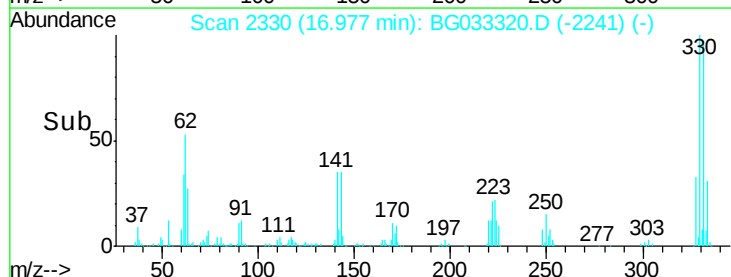
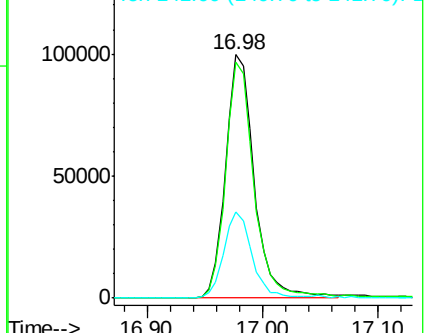


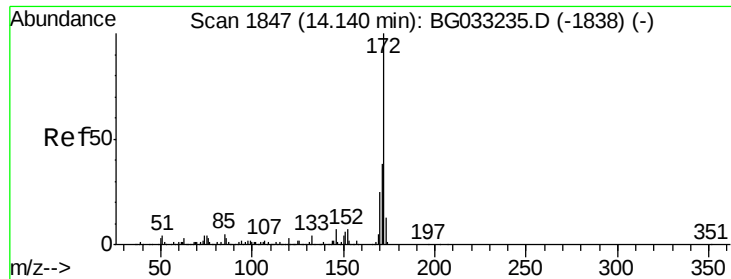
Abundance

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

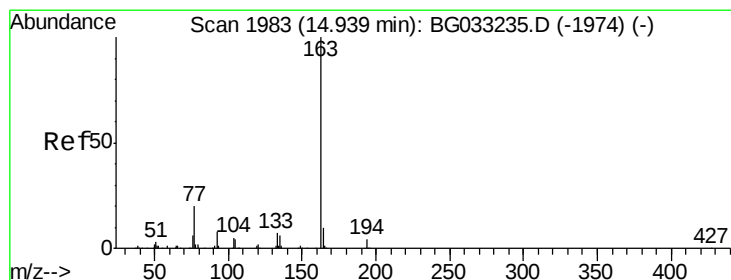
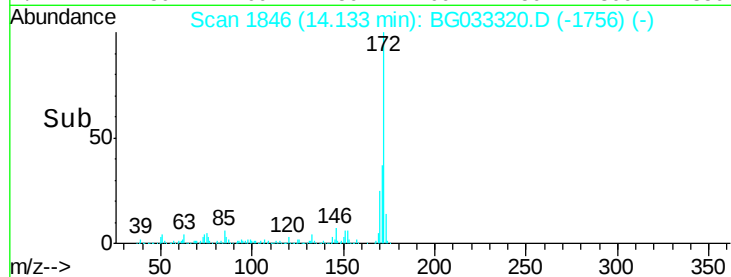
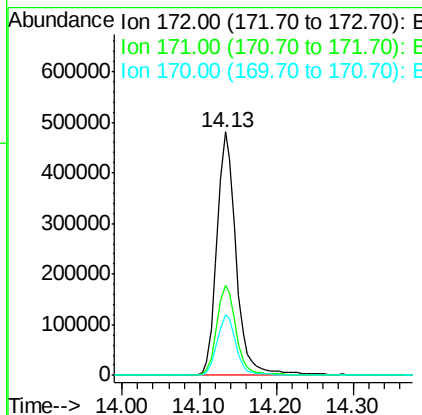
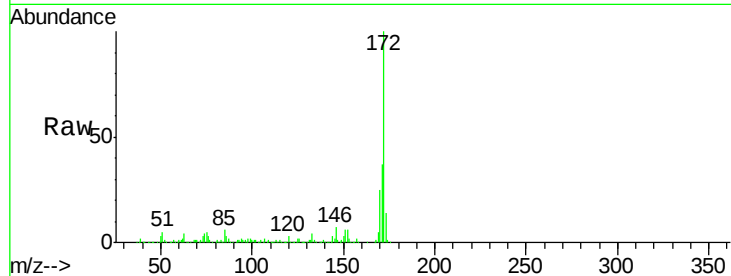




#44
2-Fluorobiphenyl
Concen: 94.826 ng
RT: 14.13 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

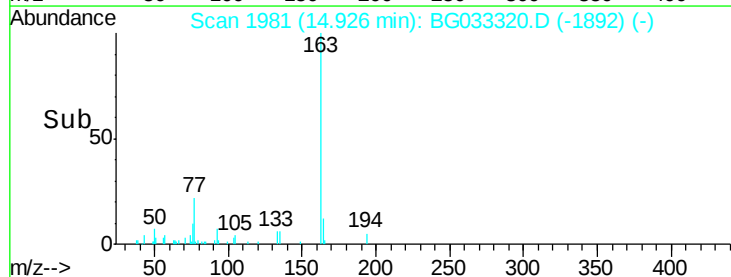
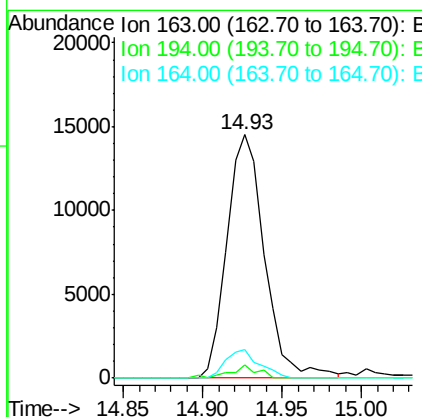
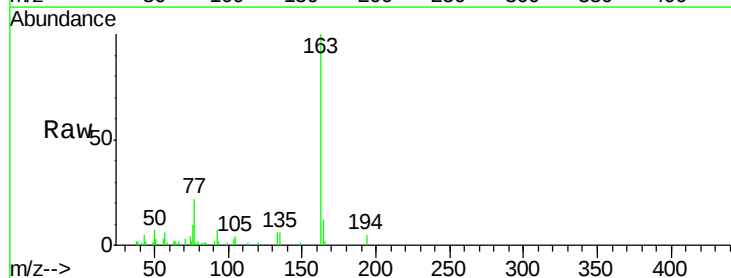
Instrument :
BNA_G
ClientSampleId :

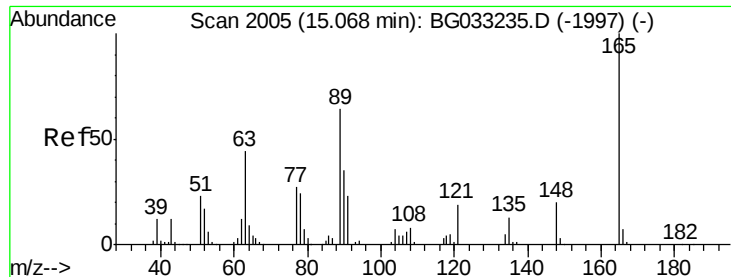
Tot Ion:172 Resp: 829444
Ion Ratio Lower Upper
172 100
171 37.1 30.0 45.0
170 24.7 19.5 29.3



#49
Dimethylphthalate
Concen: 2.168 ng
RT: 14.93 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Tgt Ion:163 Resp: 23823
Ion Ratio Lower Upper
163 100
194 5.4 3.4 5.2#
164 11.6 8.2 12.4

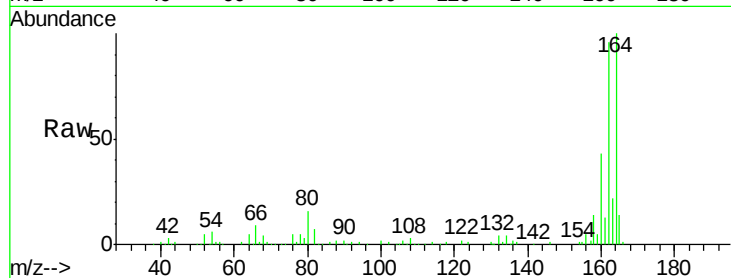




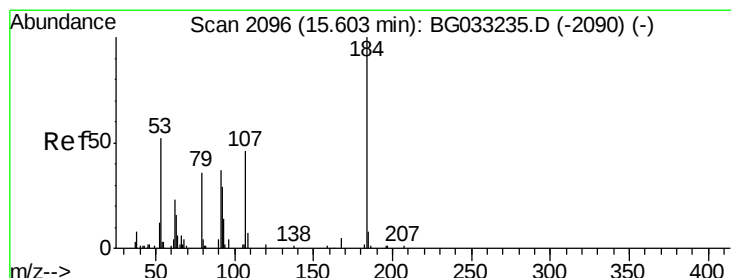
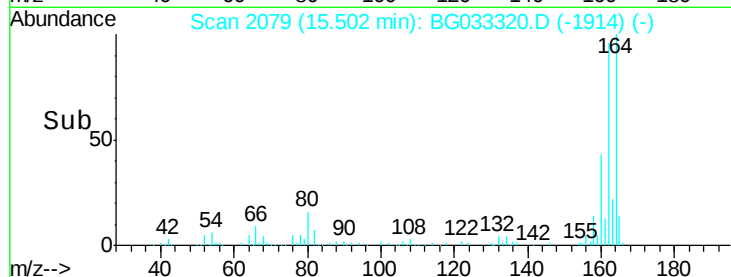
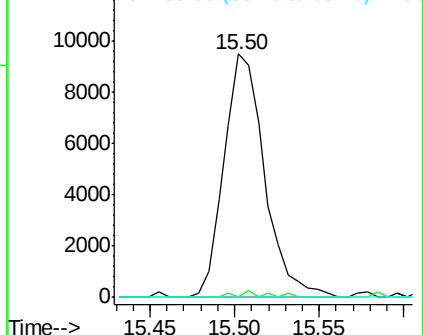
#50
2,6-Dinitrotoluene
Concen: 7.091 ng
RT: 15.50 min Scan# 2079
Delta R.T. 0.44 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 15934
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#

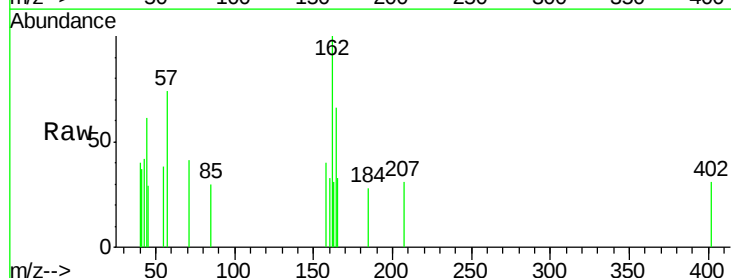


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

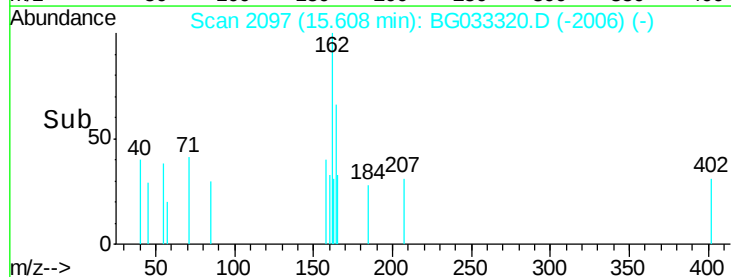
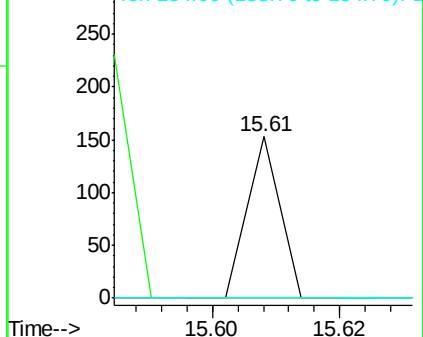


#53
2,4-Dinitrophenol
Concen: 7.685 ng
RT: 15.61 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

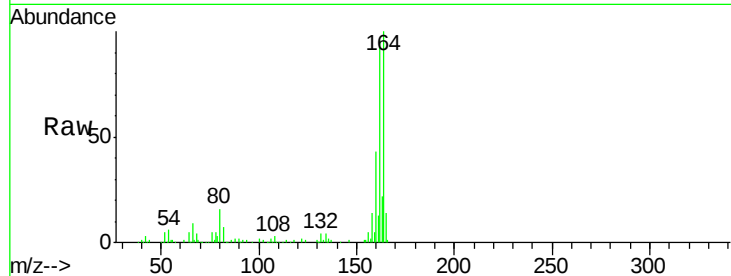




#56
 2,4-Dinitrotoluene
 Concen: 4.816 ng
 RT: 15.50 min Scan# 2079
 Delta R.T. -0.34 min
 Lab File: BG033320.D
 Acq: 23 Mar 2018 11:36

Instrument :
 BNA_G
 ClientSampleId :

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

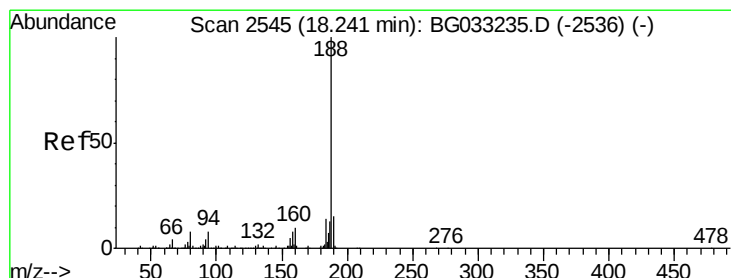
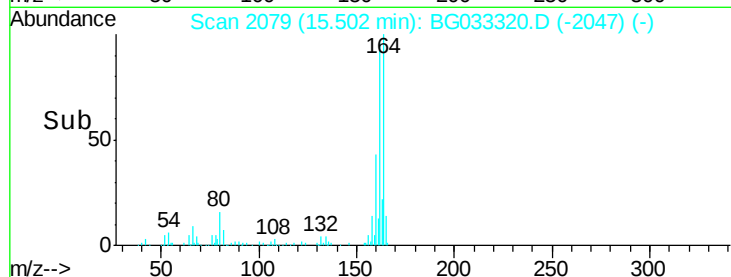
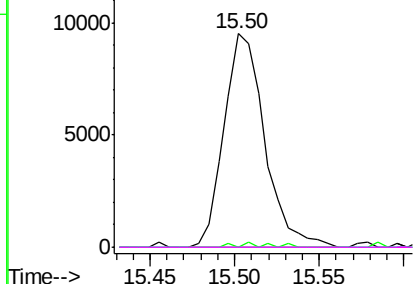


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

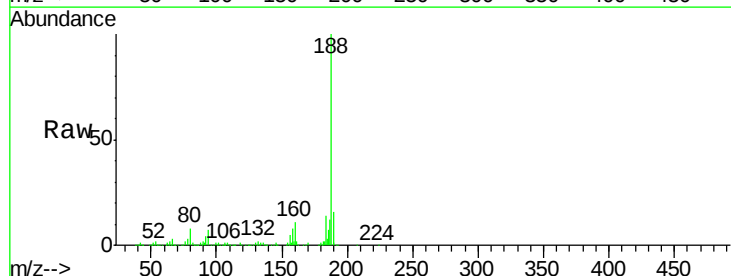
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.23 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: BG033320.D
 Acq: 23 Mar 2018 11:36

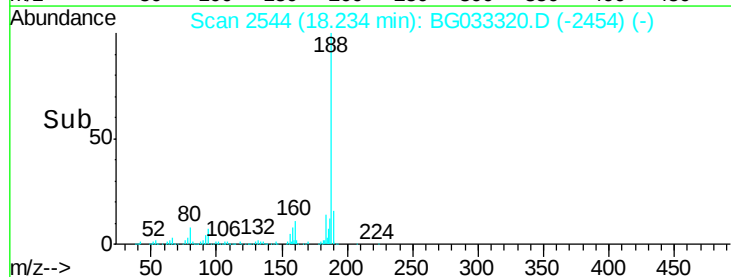
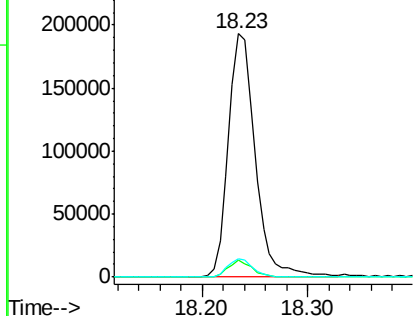
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.6	7.7	11.5#



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

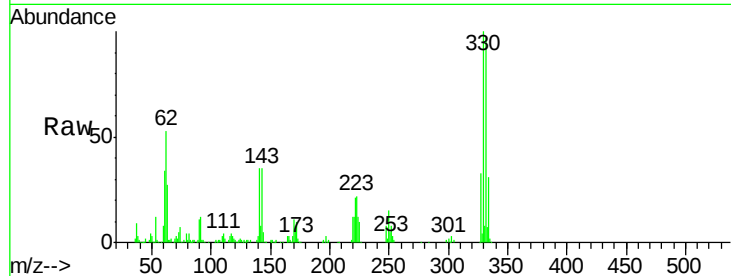




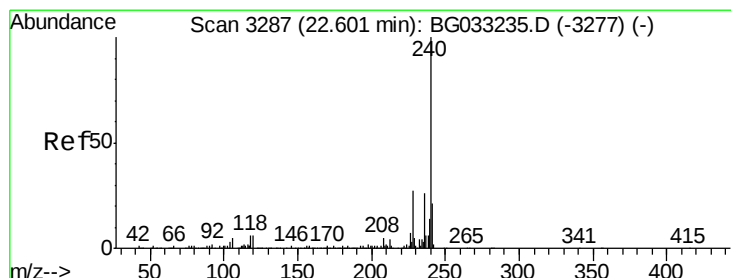
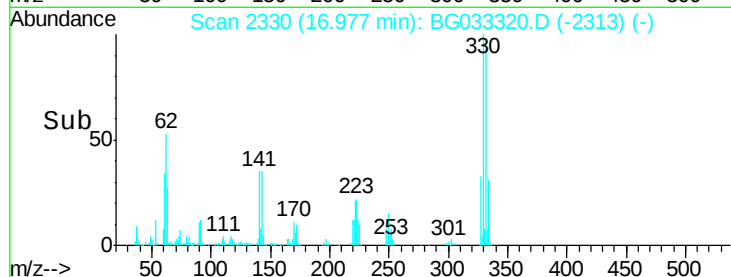
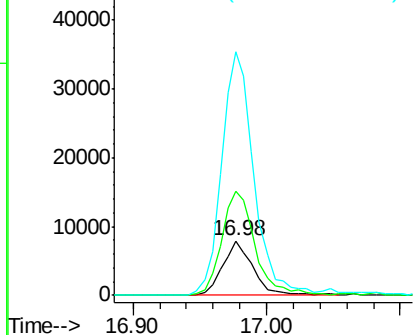
#66
4-Bromophenyl-phenylether
Concen: 3.159 ng
RT: 16.98 min Scan# 2330
Delta R.T. -0.43 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12631
Ion Ratio Lower Upper
248 100
250 191.6 77.1 115.7#
141 447.4 50.8 76.2#

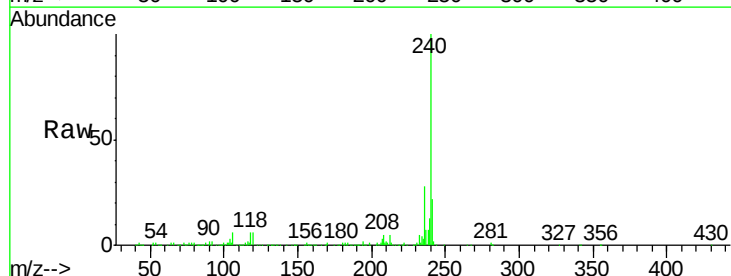


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

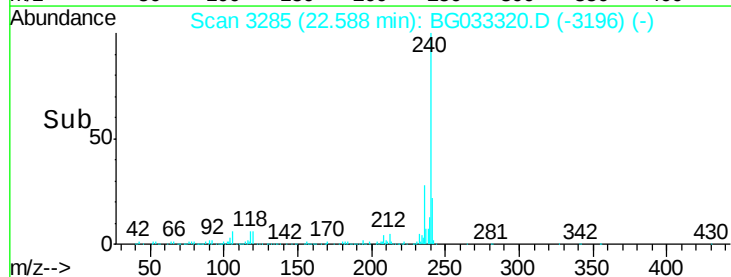
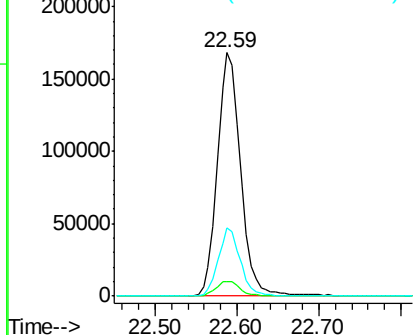


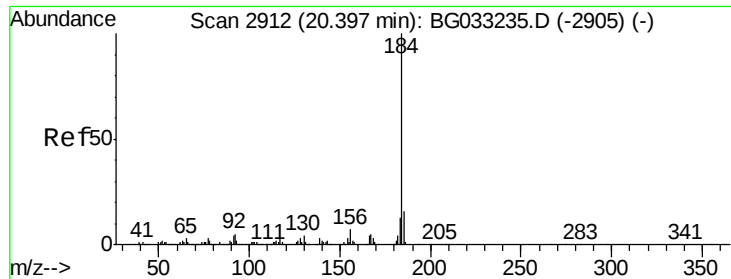
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.59 min Scan# 3285
Delta R.T. -0.01 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Tgt Ion:240 Resp: 333094
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 27.8 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

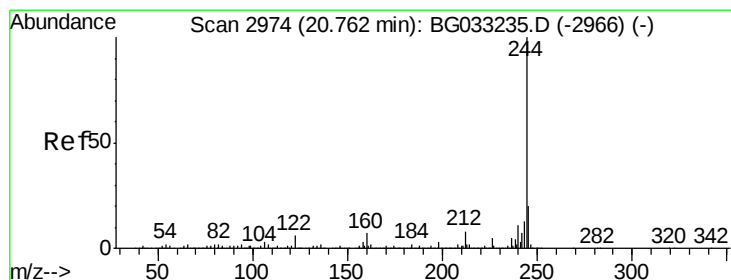
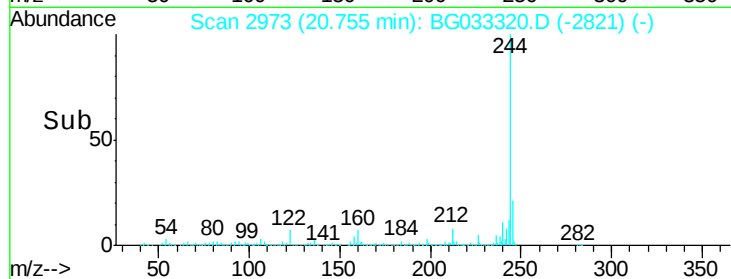
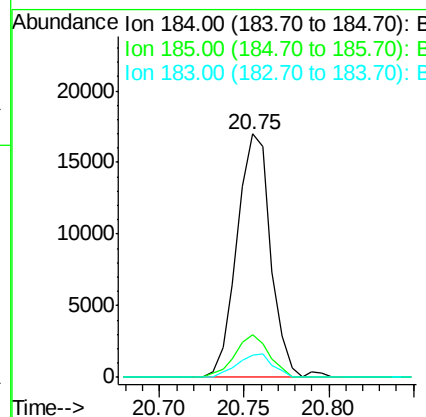
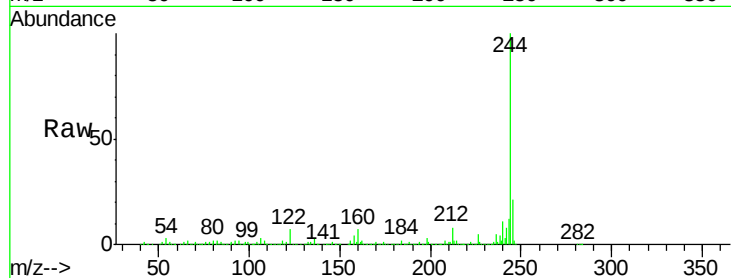




#76
Benzidine
Concen: 2.617 ng
RT: 20.75 min Scan# 2973
Delta R.T. 0.36 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

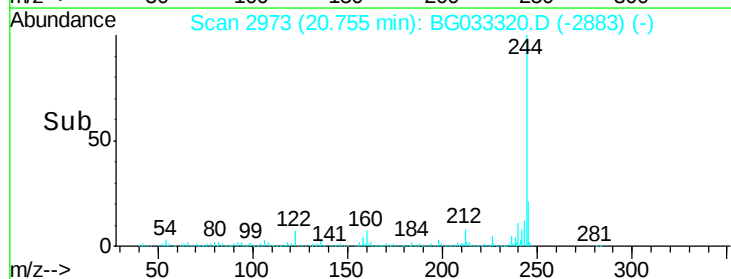
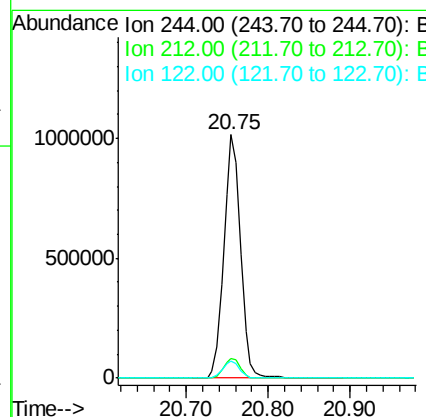
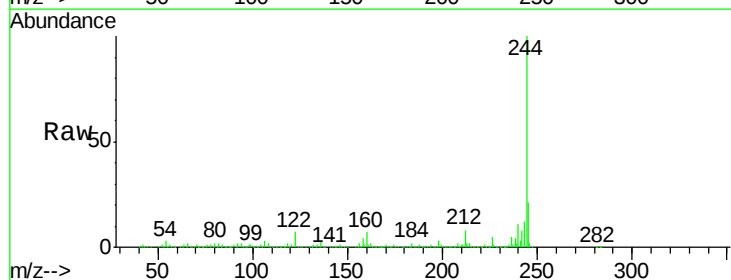
Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 23637
Ion Ratio Lower Upper
184 100
185 17.5 11.1 16.7#
183 8.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 92.550 ng
RT: 20.75 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Tgt Ion:244 Resp: 1441486
Ion Ratio Lower Upper
244 100
212 8.2 5.8 8.8
122 7.0 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.38 min Scan# 3930
Delta R.T. -0.01 min
Lab File: BG033320.D
Acq: 23 Mar 2018 11:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.0	17.7	26.5

