

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033165.D
 Acq On : 15 Mar 2018 4:30
 Operator : SJ/JU
 Sample : J1754-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 15 06:28:50 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

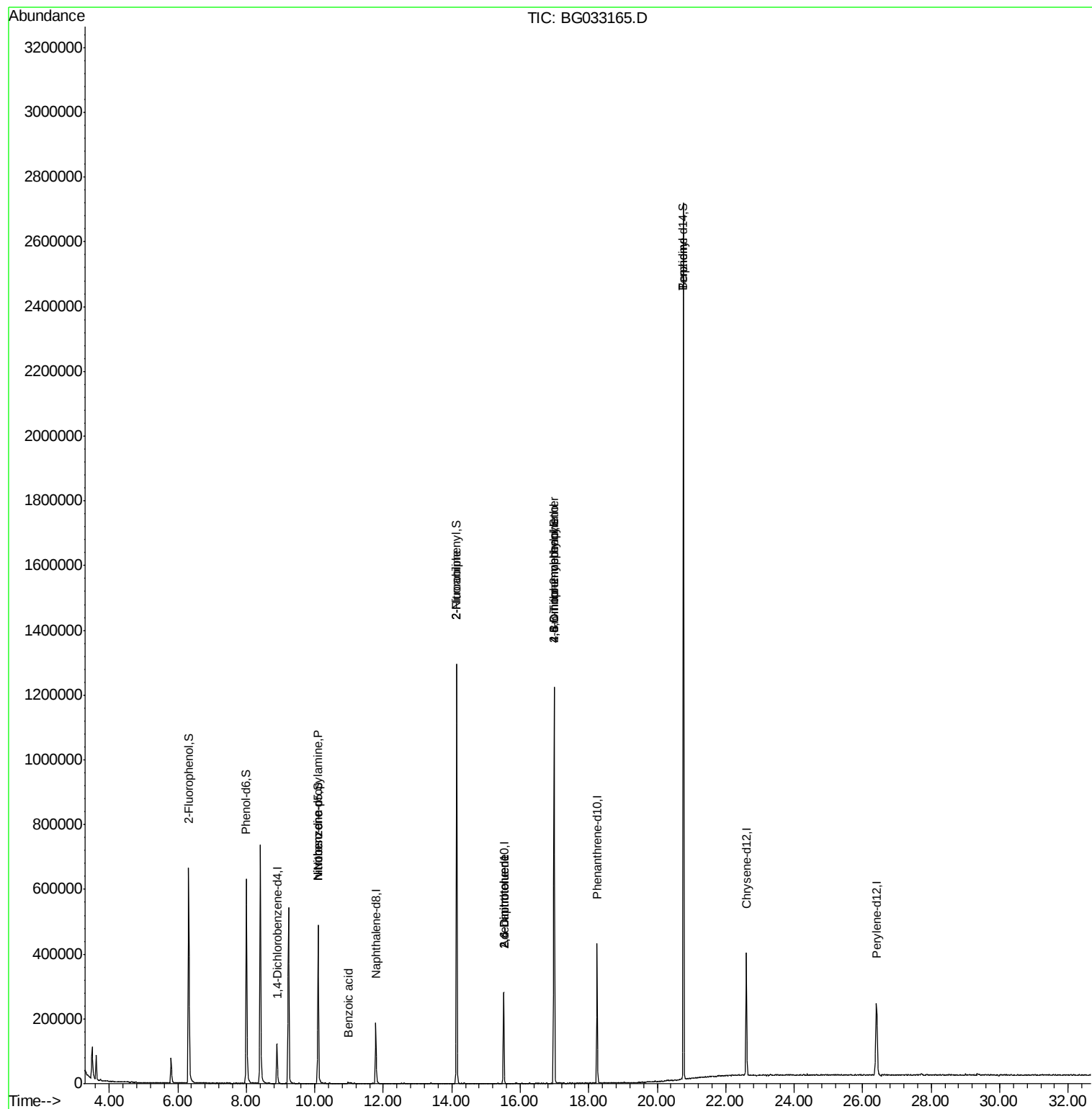
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	39477	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	172049	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	99043	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	259986	20.00	ng	0.00
75) Chrysene-d12	22.60	240	251613	20.00	ng	0.00
86) Perylene-d12	26.40	264	263935	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	343631	139.26	ng	0.00
7) Phenol-d6	8.00	99	408574	118.79	ng	0.00
23) Nitrobenzene-d5	10.10	82	307607	119.52	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	242438	232.80	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	665837	96.96	ng	0.00
78) Terphenyl-d14	20.76	244	1281096	114.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	42510	17.507	ng	# 81
24) Nitrobenzene	10.10	77	969	6.687	ng	# 42
32) Benzoic acid	10.97	122	1831	7.171	ng	# 68
47) 2-Nitroaniline	14.14	65	1195	10.418	ng	# 1
50) 2,6-Dinitrotoluene	15.51	165	13207	16.627	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	13207	14.827	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	448	5.681	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16464	5.989	ng	# 1
76) Benzidine	20.76	184	22162	2.584	ng	# 94

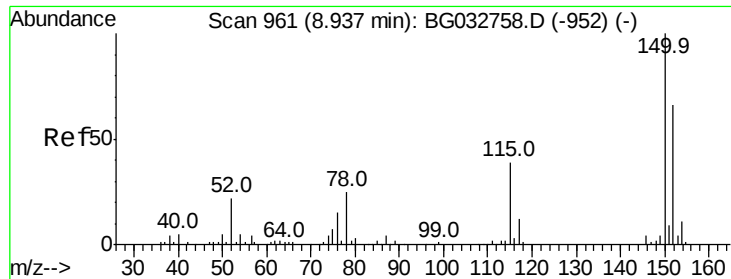
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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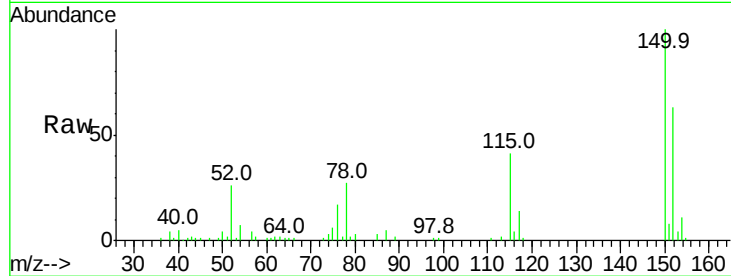


#1

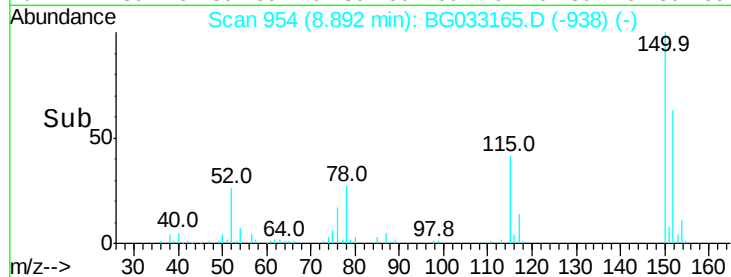
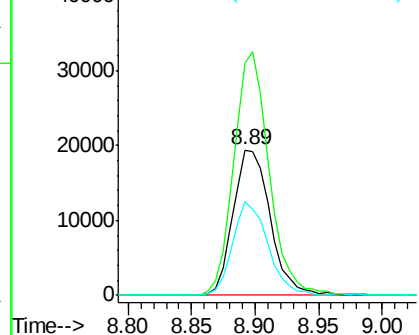
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 39477
Ion Ratio Lower Upper
152 100
150 159.2 126.6 189.8
115 64.8 53.0 79.4



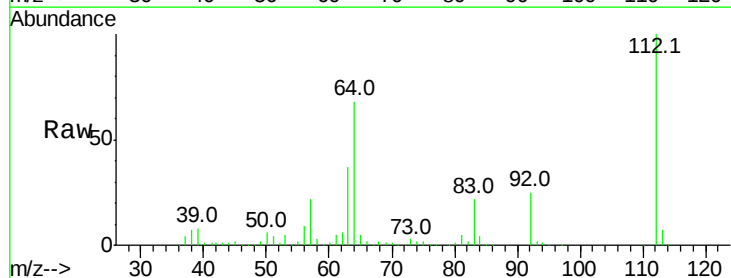
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



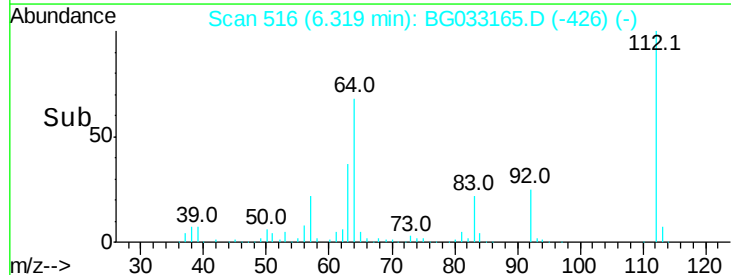
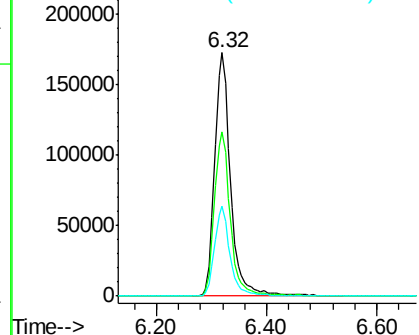
#5

2-Fluorophenol
Concen: 139.261 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Tgt Ion:112 Resp: 343631
Ion Ratio Lower Upper
112 100
64 67.5 56.3 84.5
63 36.8 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: 118.792 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033165.D

Acq: 15 Mar 2018 4:30

Instrument :

BNA_F

ClientSampled :

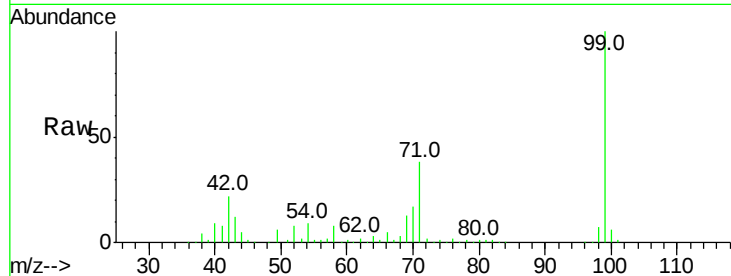
Tot Ion: 99 Resp: 408574

Ion Ratio Lower Upper

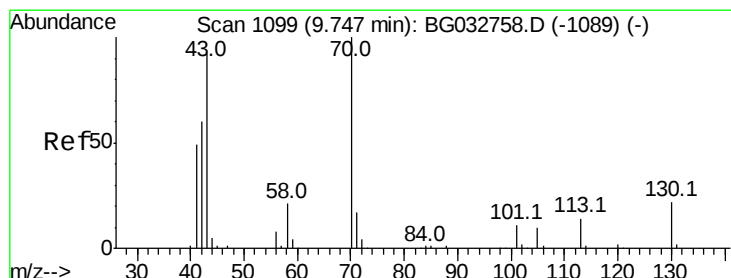
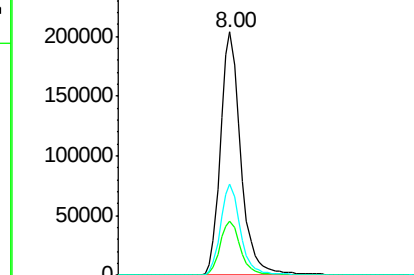
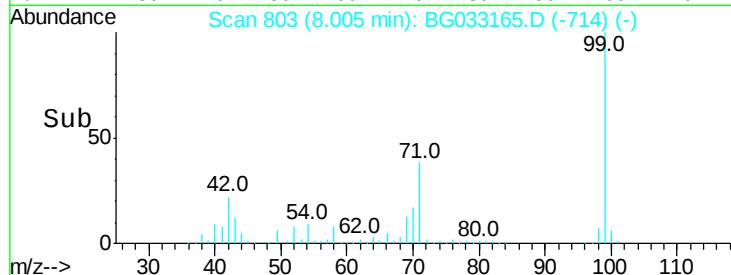
99 100

42 22.5 14.1 21.1#

71 37.6 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: 17.507 ng

RT: 10.10 min Scan# 1159

Delta R.T. 0.38 min

Lab File: BG033165.D

Acq: 15 Mar 2018 4:30

Tgt Ion: 70 Resp: 42510

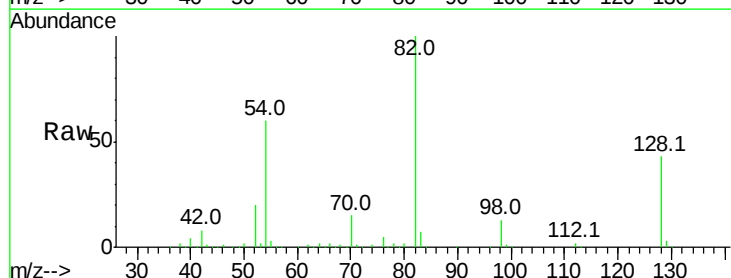
Ion Ratio Lower Upper

70 100

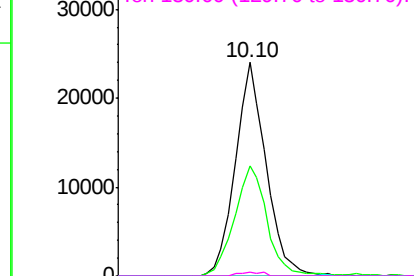
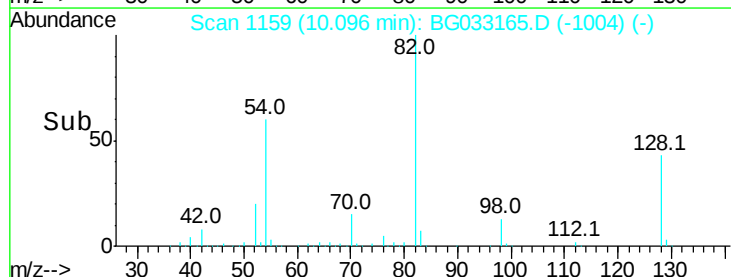
42 51.7 49.1 73.7

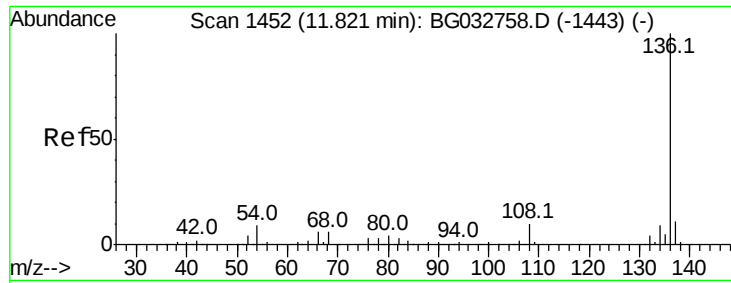
101 0.0 8.5 12.7#

130 1.8 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

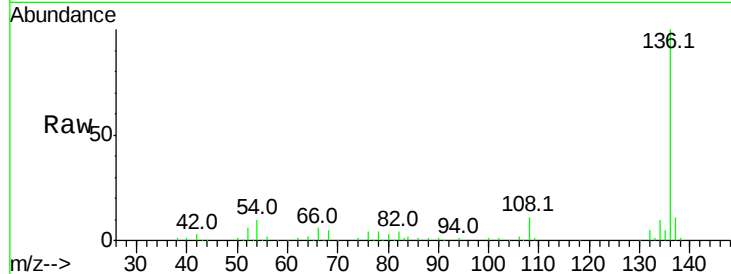




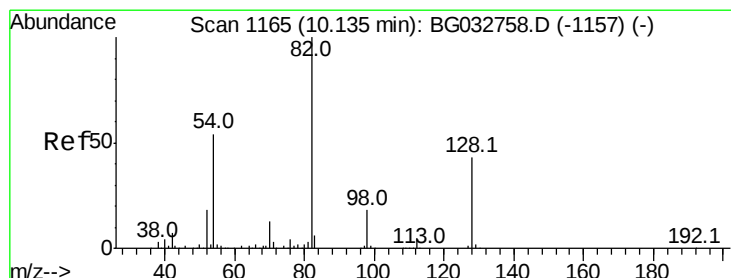
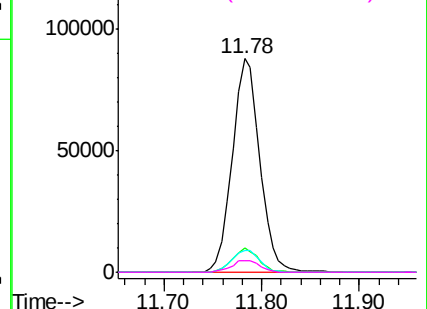
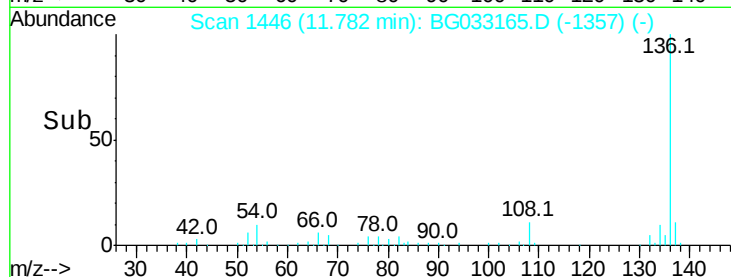
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	172049
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	10.3	10.3 15.5
68	5.3	4.5 6.7

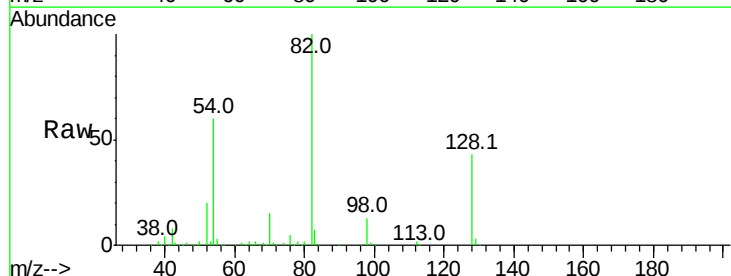


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

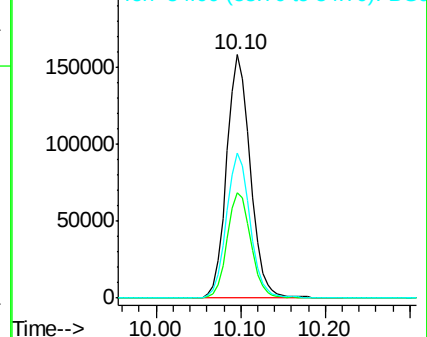
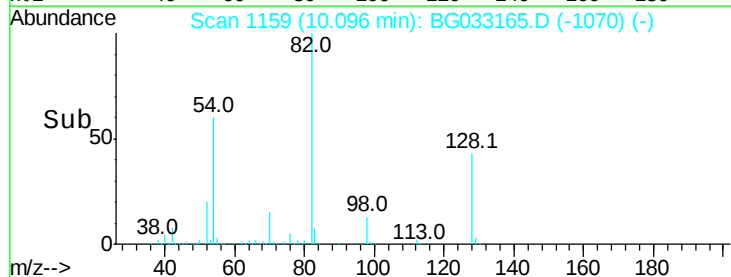


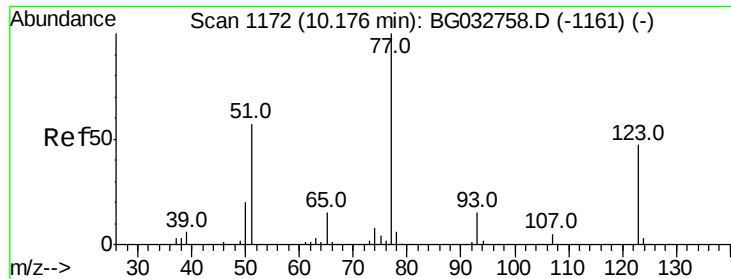
#23
Nitrobenzene-d5
Concen: 119.515 ng
RT: 10.10 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Tgt Ion: 82	Resp:	307607
Ion Ratio	Lower	Upper
82	100	
128	43.2	29.7 44.5
54	59.5	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

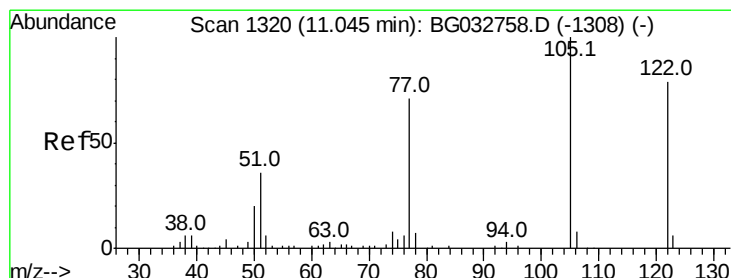
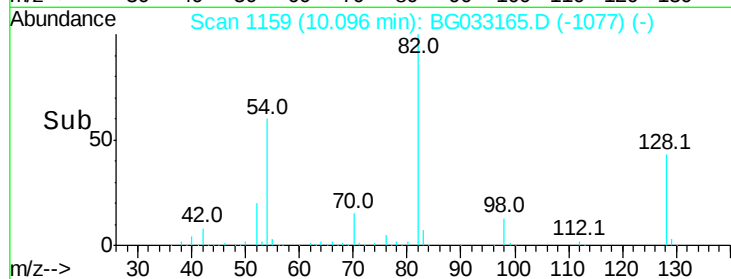
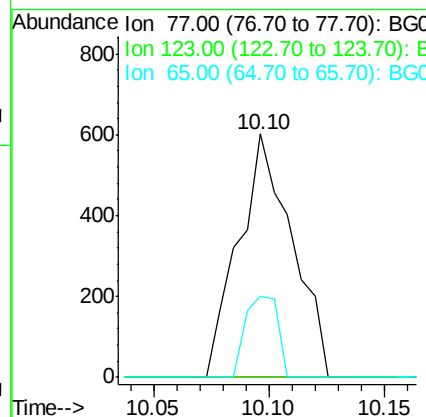
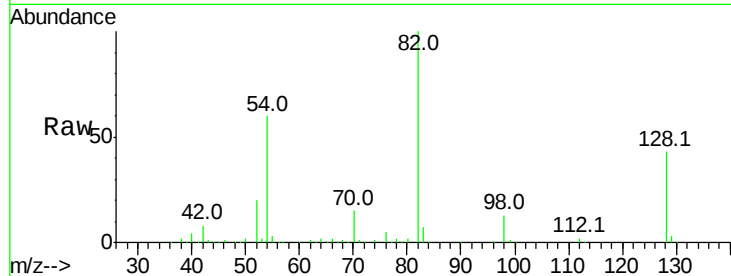




#24
 Nitrobenzene
 Concen: 6.687 ng
 RT: 10.10 min Scan# 1159
 Delta R.T. -0.05 min
 Lab File: BG033165.D
 Acq: 15 Mar 2018 4:30

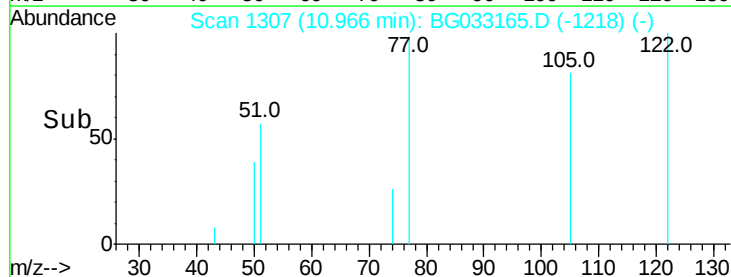
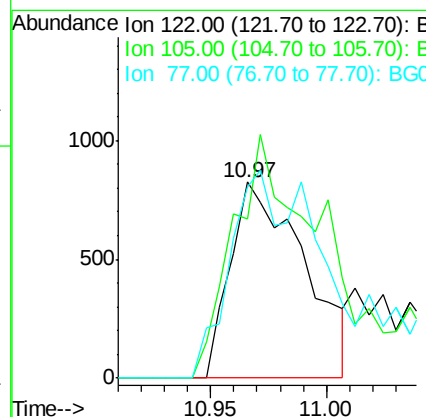
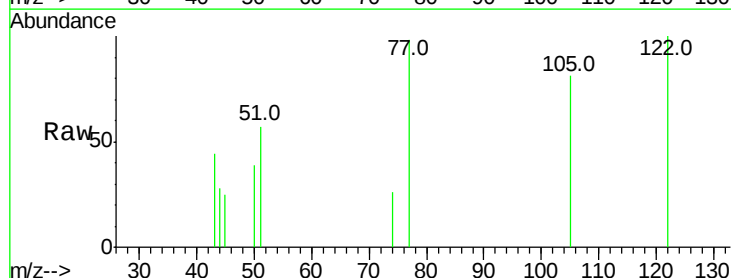
Instrument :
 BNA_F
 ClientSampleId :

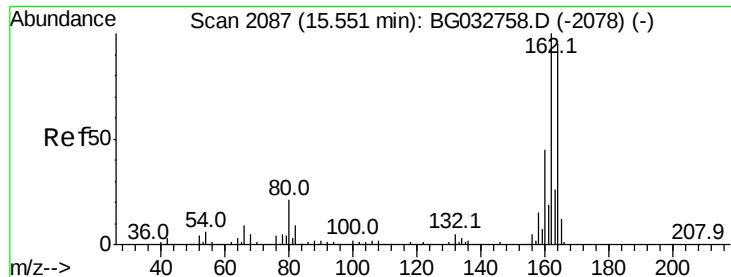
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.6#
65	33.2	13.0	19.6#



#32
 Benzoic acid
 Concen: 7.171 ng
 RT: 10.97 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BG033165.D
 Acq: 15 Mar 2018 4:30

Tgt Ion	Ratio	Lower	Upper
122	100		
105	81.3	123.5	163.5#
77	97.7	85.7	125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BG033165.D

Acq: 15 Mar 2018 4:30

Instrument :

BNA_F

ClientSampleId :

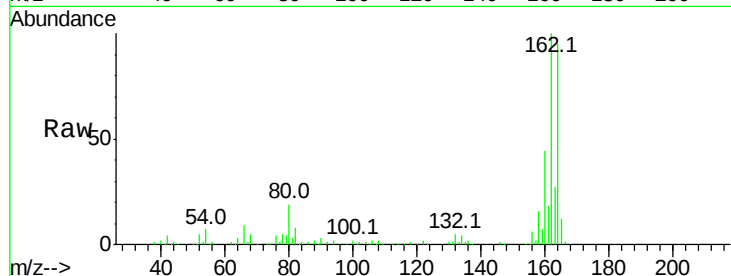
Tot Ion:164 Resp: 99043

Ion Ratio Lower Upper

164 100

162 105.6 78.8 118.2

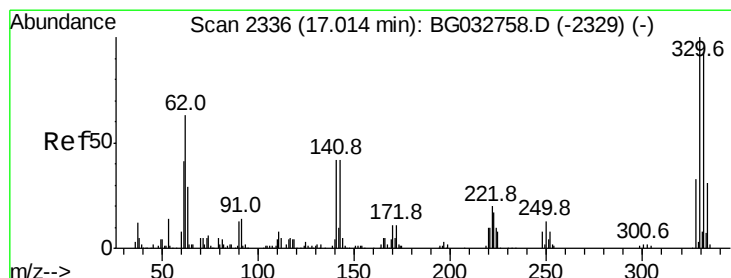
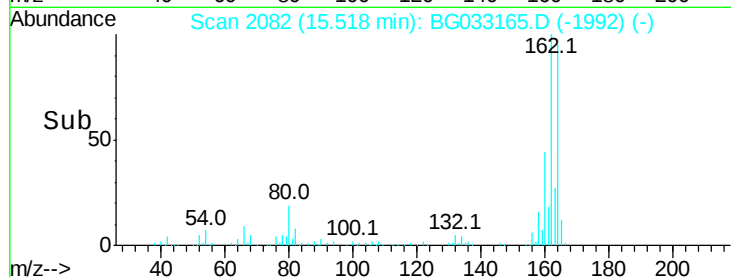
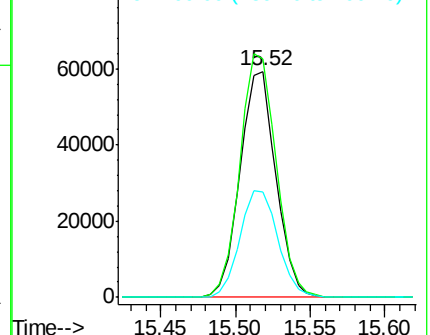
160 46.4 35.4 53.0



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: 232.799 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.01 min

Lab File: BG033165.D

Acq: 15 Mar 2018 4:30

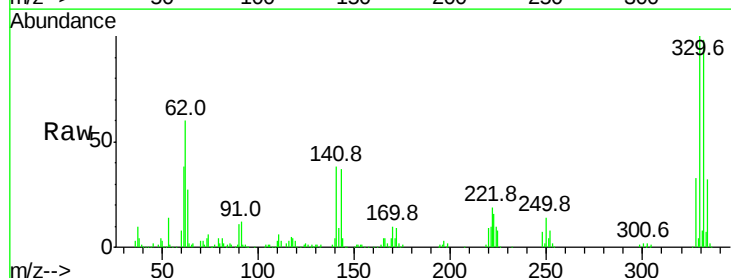
Tgt Ion:330 Resp: 242438

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

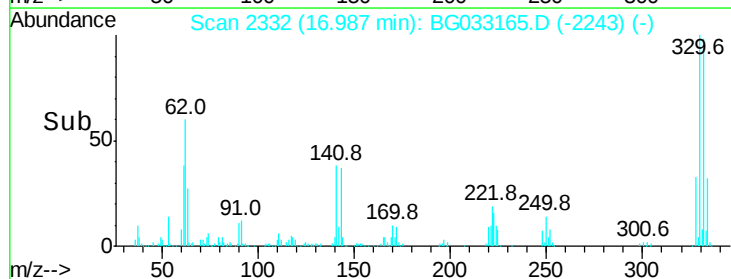
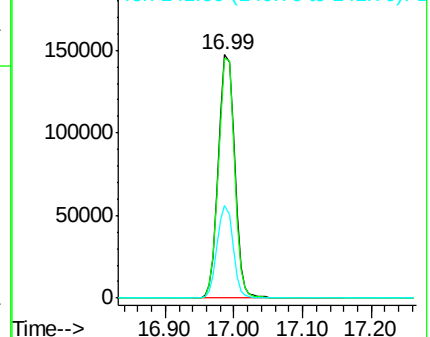
141 37.3 25.2 37.8

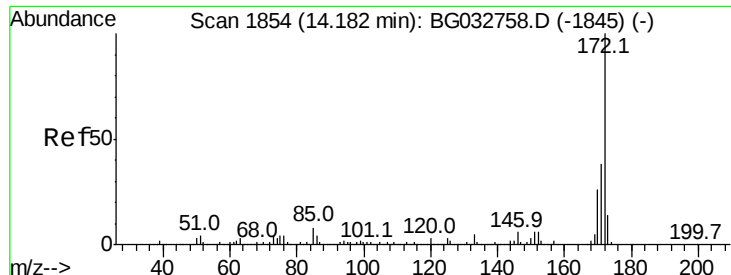


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

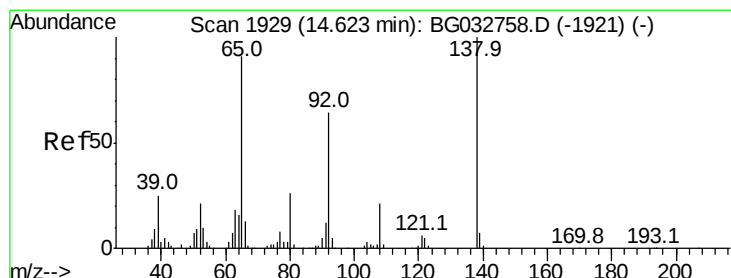
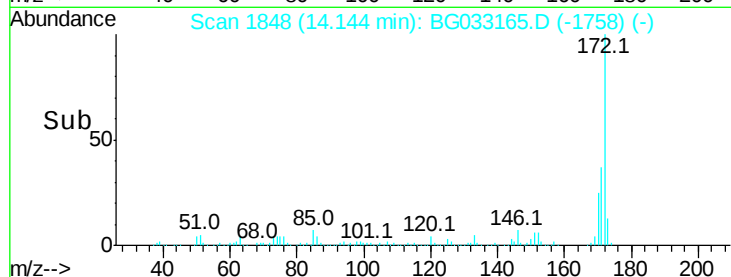
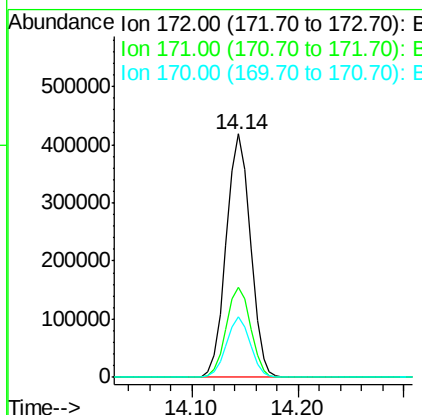
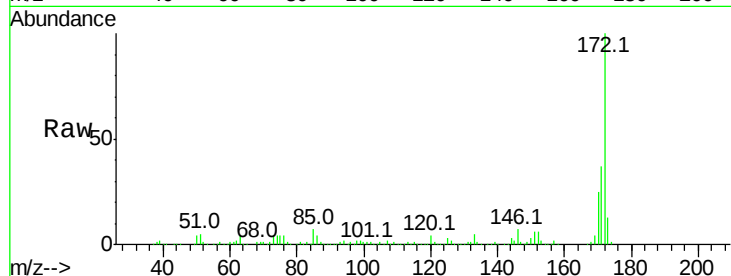




#44
2-Fluorobiphenyl
Concen: 96.958 ng
RT: 14.14 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

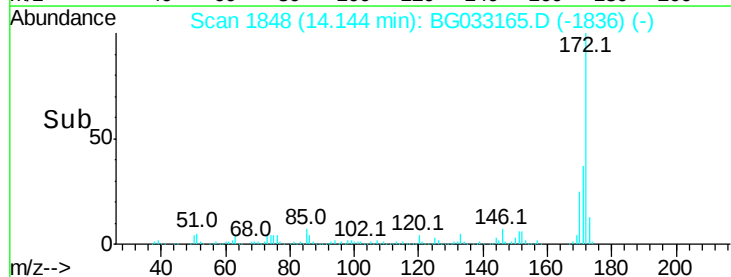
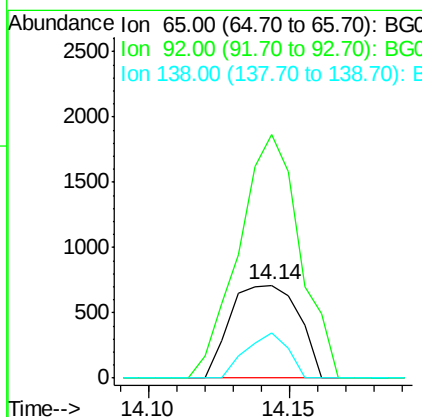
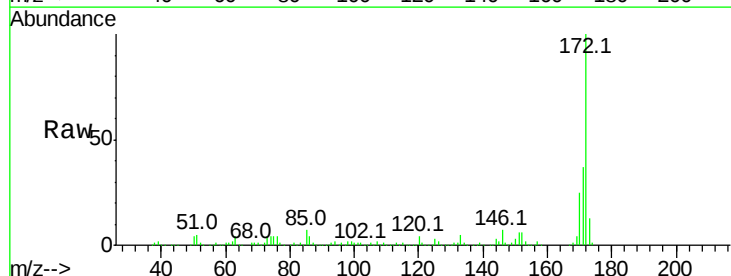
Instrument :
BNA_F
ClientSampleId :

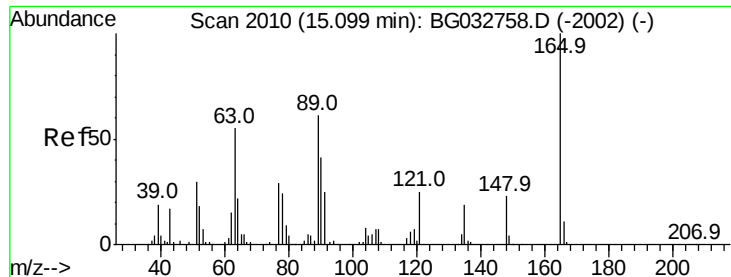
Tot Ion:172 Resp: 665837
Ion Ratio Lower Upper
172 100
171 36.9 30.0 45.0
170 24.8 19.5 29.3



#47
2-Nitroaniline
Concen: 10.418 ng
RT: 14.14 min Scan# 1848
Delta R.T. -0.46 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Tgt Ion: 65 Resp: 1195
Ion Ratio Lower Upper
65 100
92 262.4 54.6 82.0#
138 48.2 72.9 109.3#

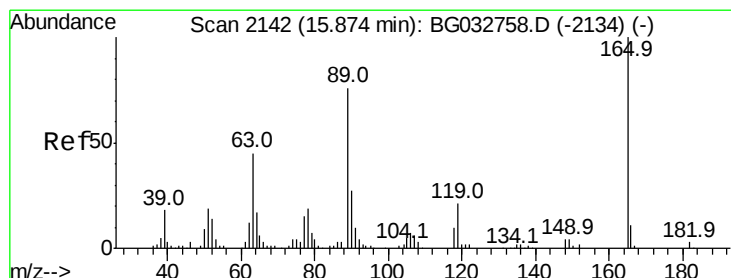
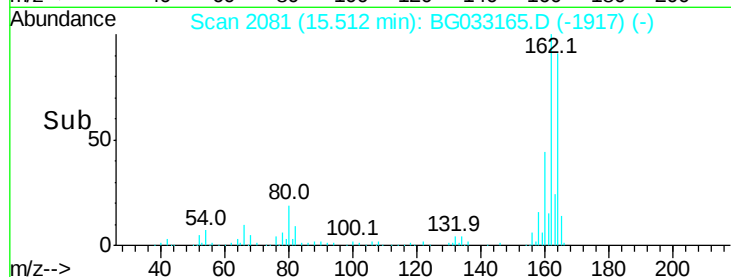
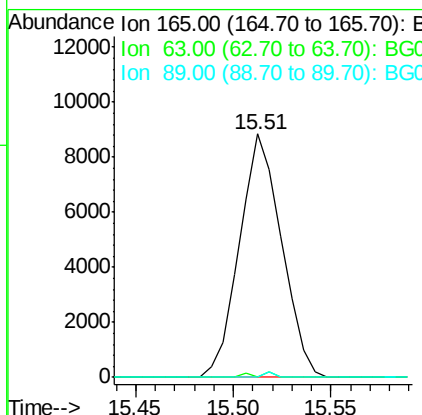
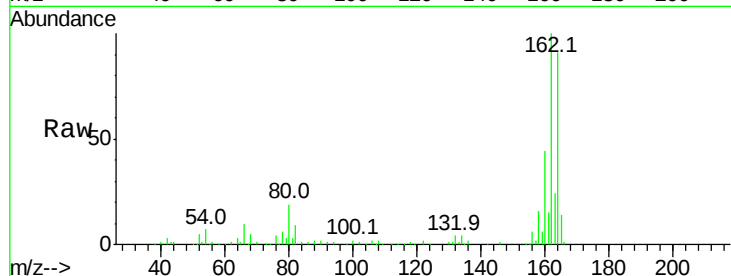




#50
2,6-Dinitrotoluene
Concen: 16.627 ng
RT: 15.51 min Scan# 2081
Delta R.T. 0.44 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

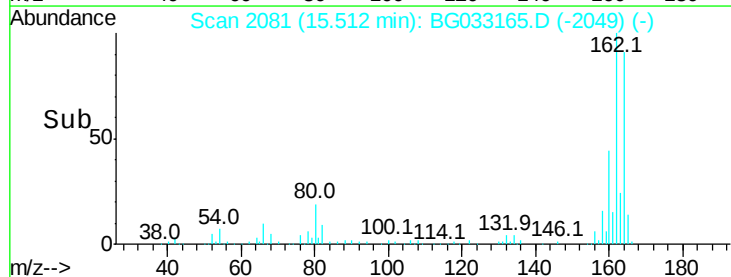
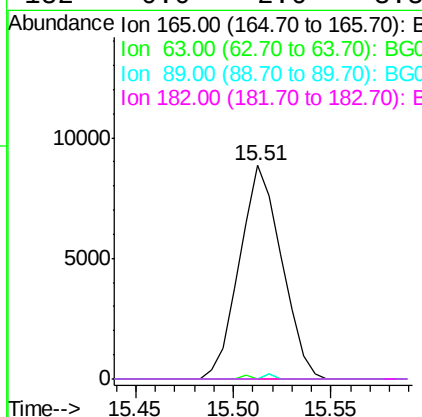
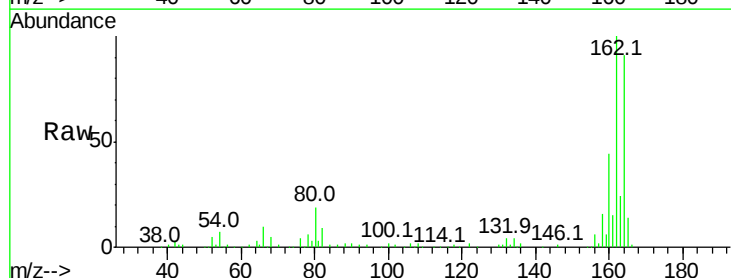
Instrument :
BNA_F
ClientSampleId :

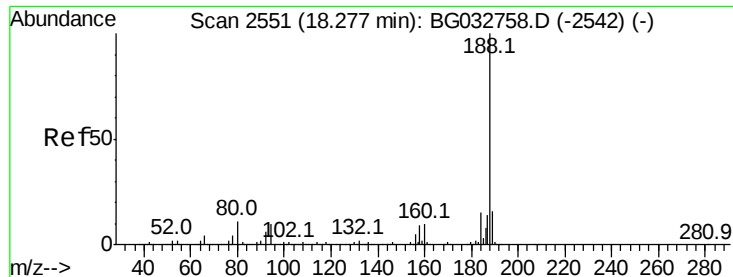
Tot Ion:165 Resp: 13207
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.827 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.34 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Tgt Ion:165 Resp: 13207
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#

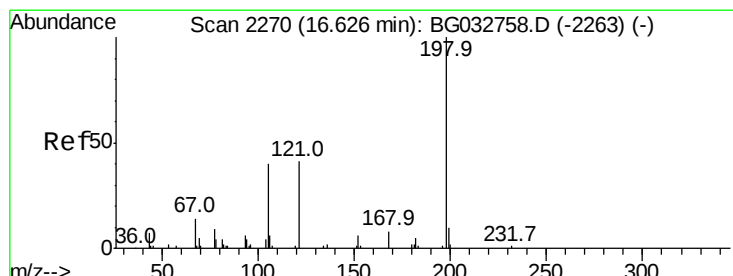
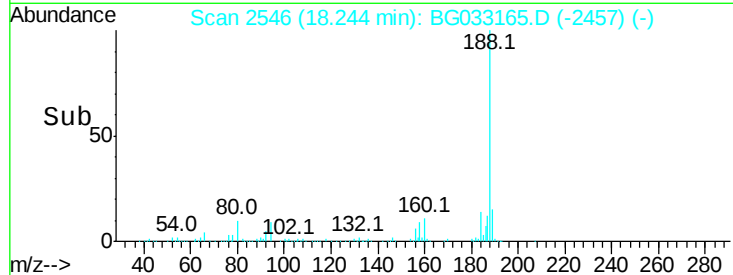
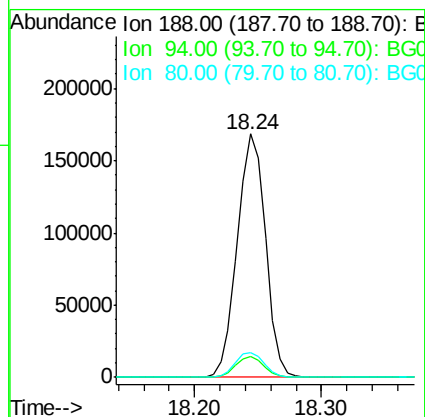
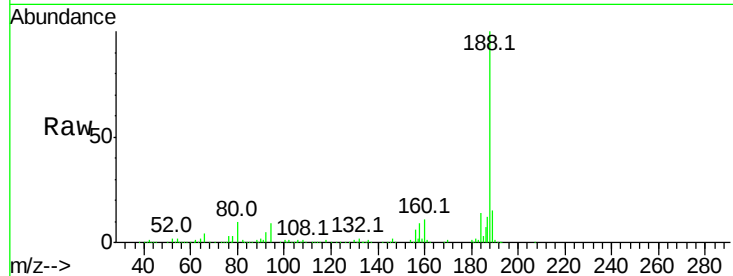




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

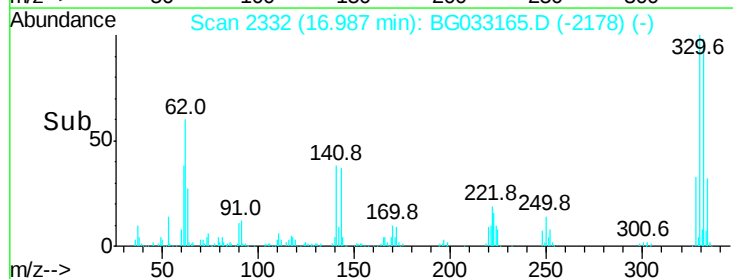
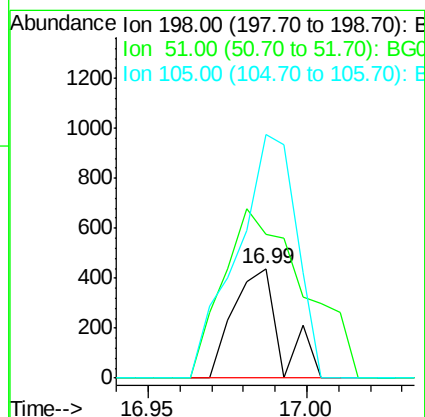
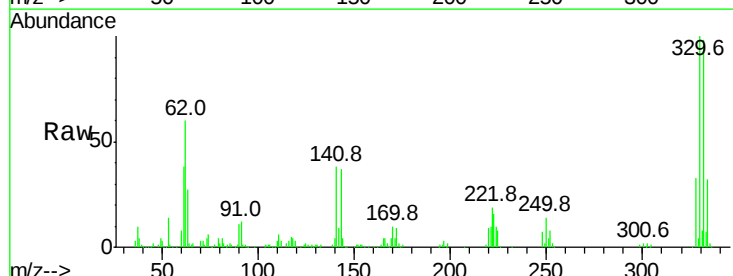
Instrument :
BNA_F
ClientSampleId :

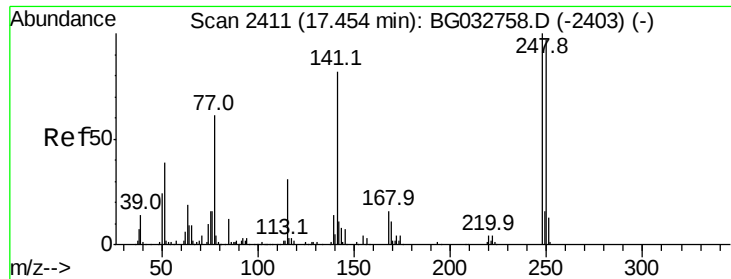
Tot Ion:188 Resp: 259986
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 10.0 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.681 ng
RT: 16.99 min Scan# 2332
Delta R.T. 0.38 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Tgt Ion:198 Resp: 448
Ion Ratio Lower Upper
198 100
51 131.2 30.6 70.6#
105 222.1 23.8 63.8#

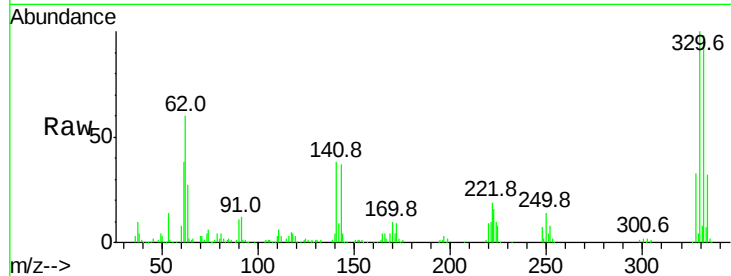




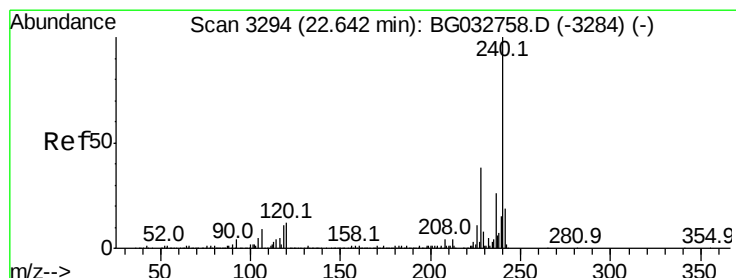
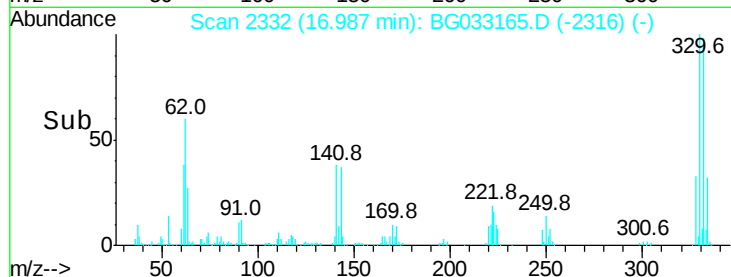
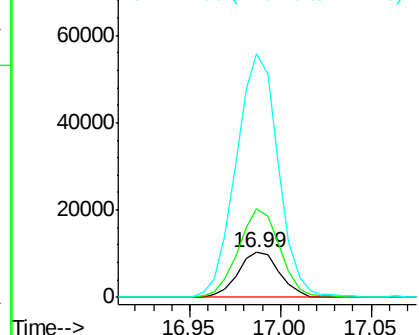
#66
 4-Bromophenyl-phenylether
 Concen: 5.989 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033165.D
 Acq: 15 Mar 2018 4:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16464
 Ion Ratio Lower Upper
 248 100
 250 197.8 77.1 115.7#
 141 544.8 50.8 76.2#

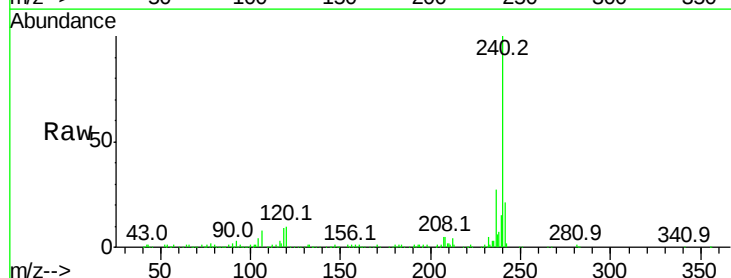


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

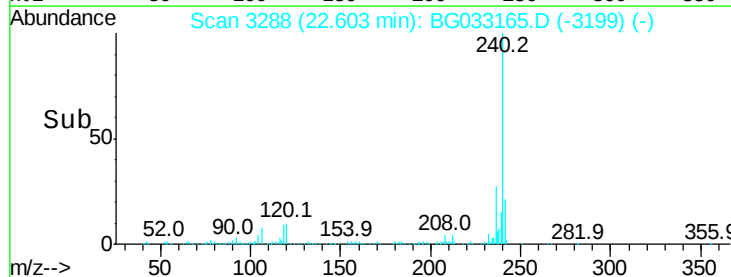
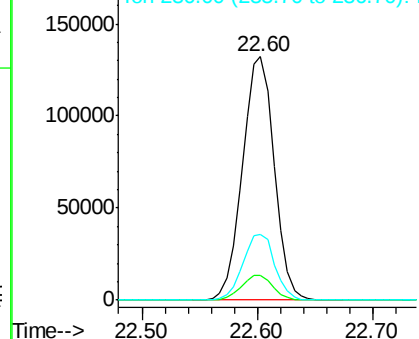


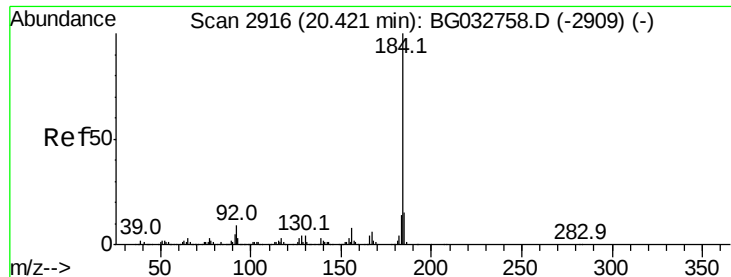
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033165.D
 Acq: 15 Mar 2018 4:30

Tgt Ion:240 Resp: 251613
 Ion Ratio Lower Upper
 240 100
 120 10.0 6.8 10.2
 236 26.8 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

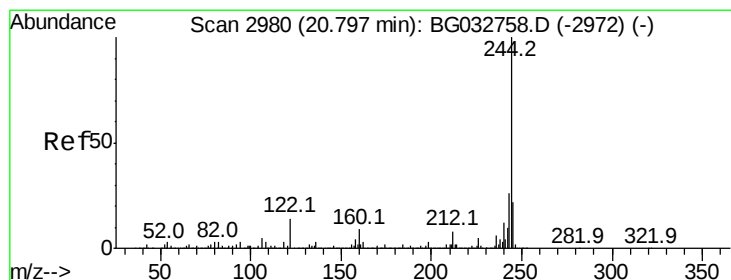
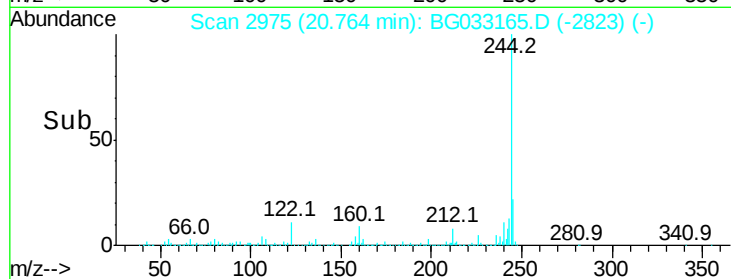
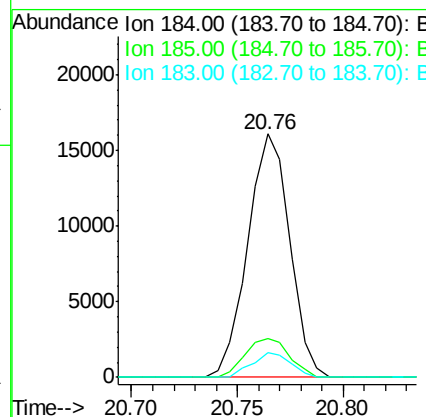
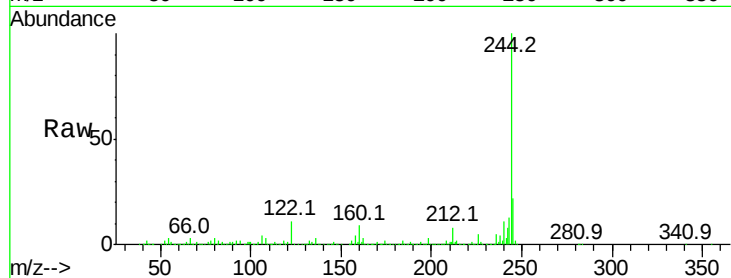




#76
Benzidine
Concen: 2.584 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.36 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

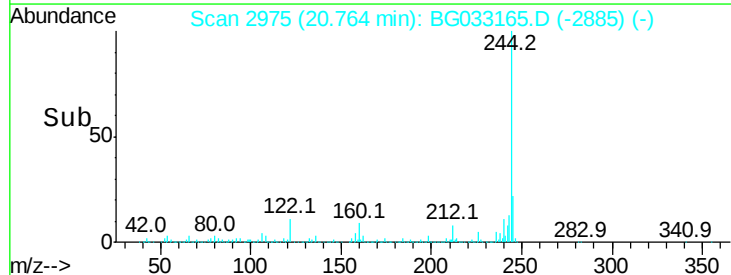
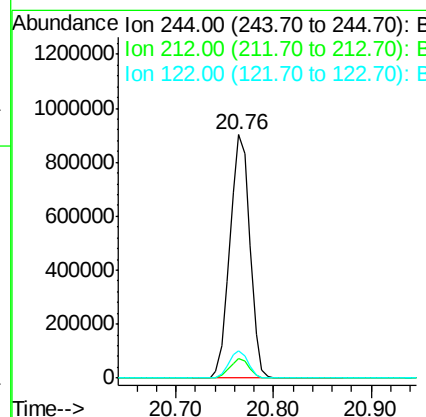
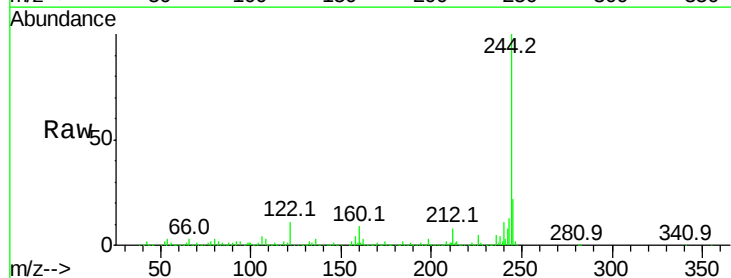
Instrument :
BNA_F
ClientSampleId :

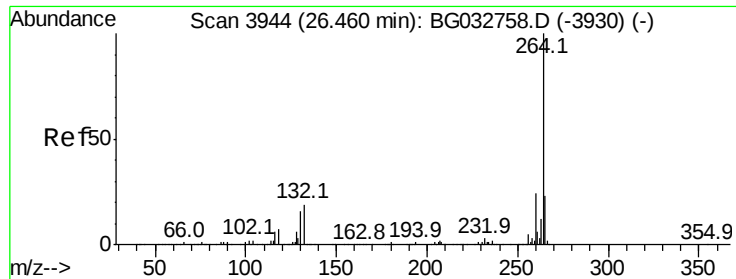
Tot Ion:184 Resp: 22162
Ion Ratio Lower Upper
184 100
185 15.7 11.1 16.7
183 9.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 114.393 ng
RT: 20.76 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Tgt Ion:244 Resp: 1281096
Ion Ratio Lower Upper
244 100
212 8.3 5.8 8.8
122 11.0 7.0 10.4#

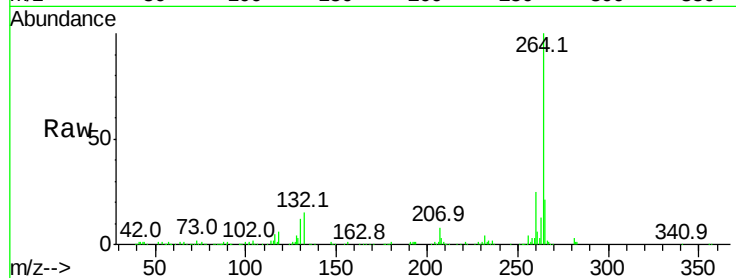




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.40 min Scan# 3935
Delta R.T. -0.01 min
Lab File: BG033165.D
Acq: 15 Mar 2018 4:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	17.4	26.0
265	20.8	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

