

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033434.D
 Acq On : 29 Mar 2018 23:58
 Operator : SJ/JU
 Sample : J2088-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 07:41:53 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

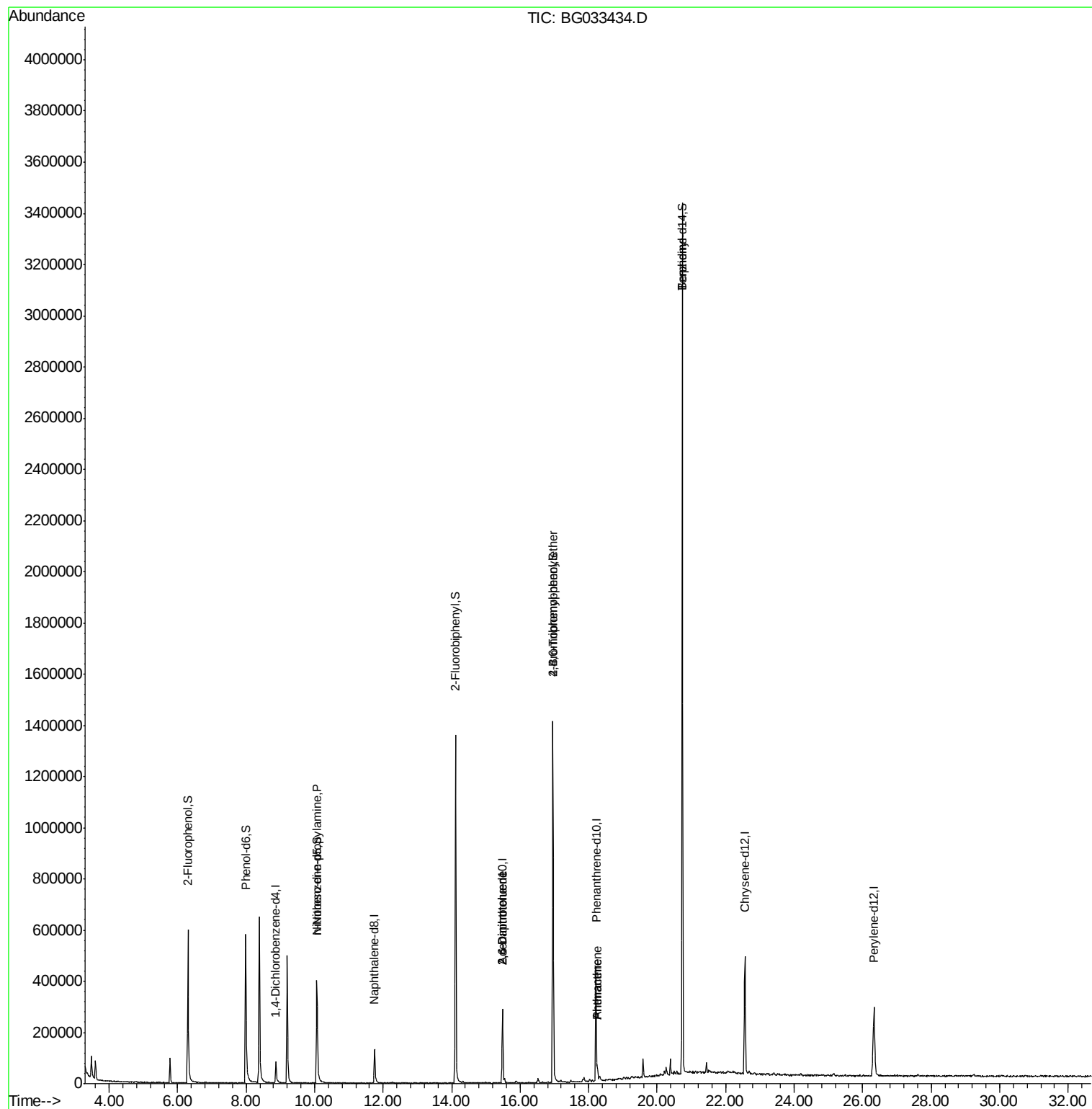
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	30323	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	134627	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	108205	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	322662	20.00	ng	0.00
75) Chrysene-d12	22.56	240	343640	20.00	ng	0.00
86) Perylene-d12	26.33	264	371354	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	294358	182.03	ng	0.00
7) Phenol-d6	7.98	99	408104	146.88	ng	0.00
23) Nitrobenzene-d5	10.06	82	312564	106.67	ng	-0.01
41) 2,4,6-Tribromophenol	16.96	330	297971	184.12	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	781593	104.28	ng	0.00
78) Terphenyl-d14	20.73	244	1688456	105.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	42611	20.929	ng	# 75
50) 2,6-Dinitrotoluene	15.49	165	14098	7.322	ng	# 20
56) 2,4-Dinitrotoluene	15.49	165	14097	4.972	ng	# 18
66) 4-Bromophenyl-phenylether	16.96	248	22028	5.813	ng	# 1
70) Phenanthrene	18.26	178	39219	2.334	ng	96
71) Anthracene	18.26	178	39219	2.305	ng	97
76) Benzidine	20.73	184	29565	3.173	ng	96

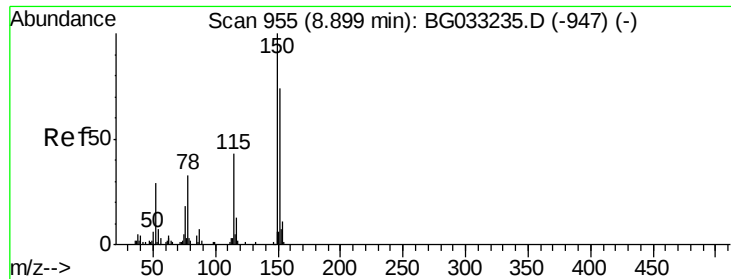
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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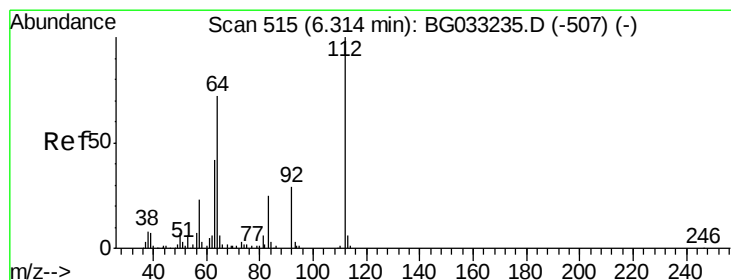
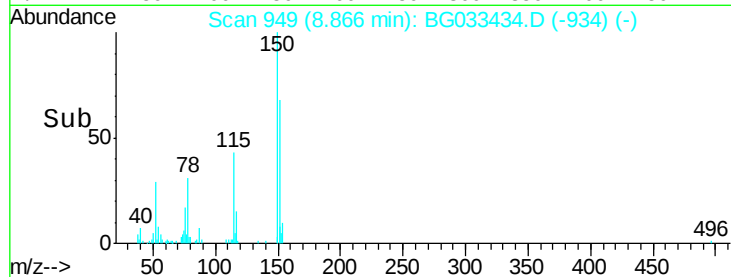
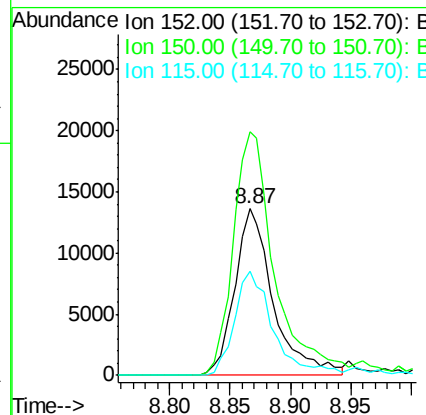
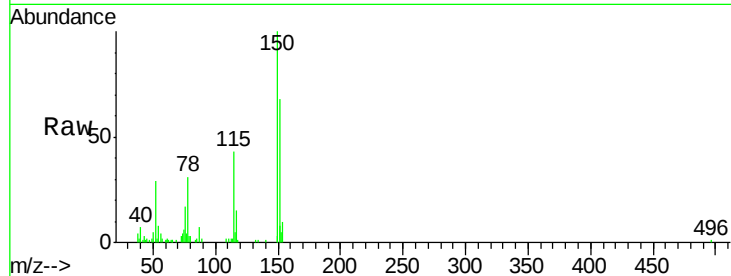


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

Instrument :
BNA_G
ClientSampleId :

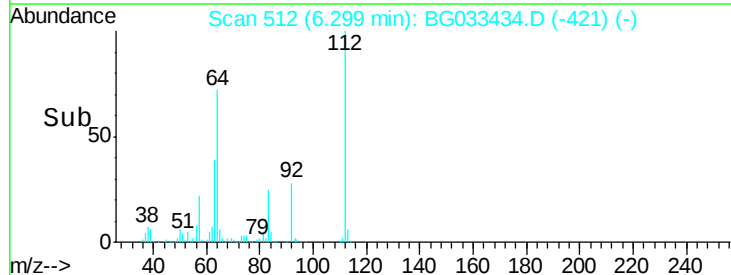
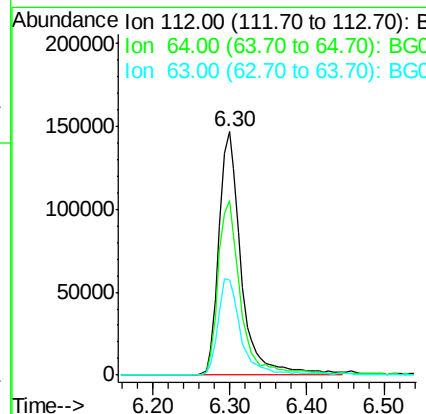
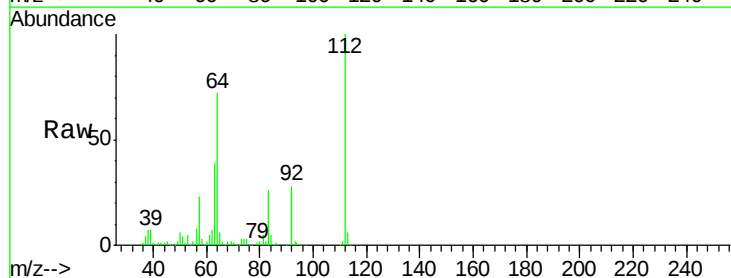
Tot Ion	Ratio	Lower	Upper
152	100		
150	146.4	126.6	189.8
115	62.3	53.0	79.4

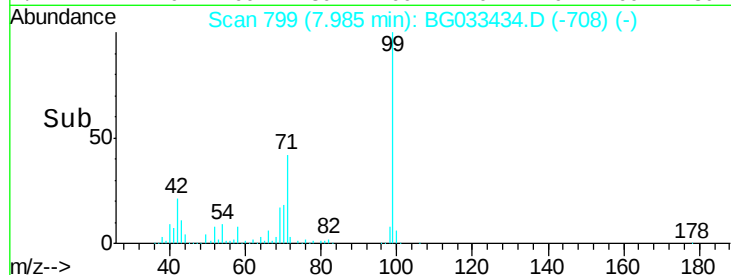
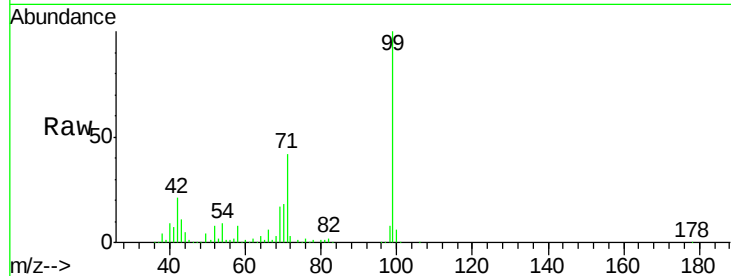
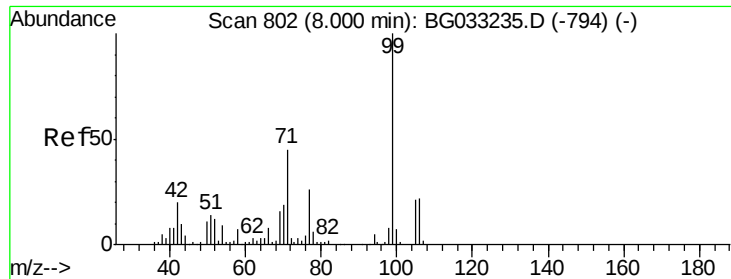


#5

2-Fluorophenol
Concen: 182.026 ng
RT: 6.30 min Scan# 512
Delta R.T. 0.01 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	56.3	84.5
63	39.0	30.1	45.1





#7

Phenol-d6

Concen: 146.877 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.01 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

Instrument :

BNA_G

ClientSampleId :

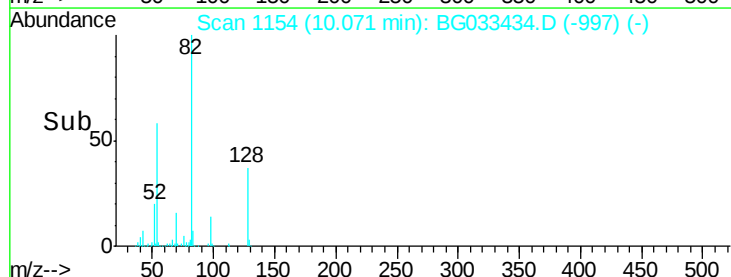
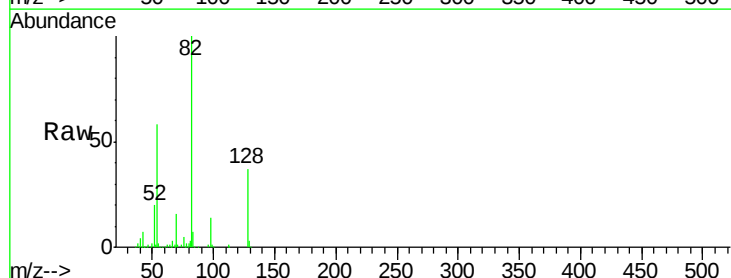
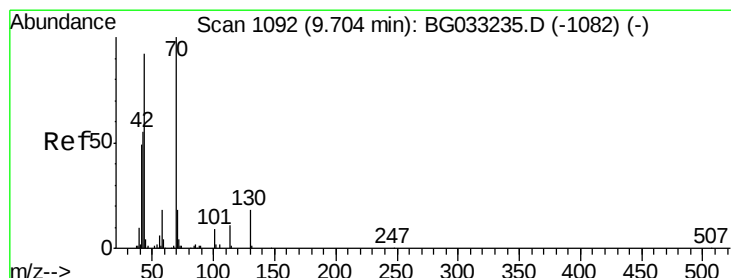
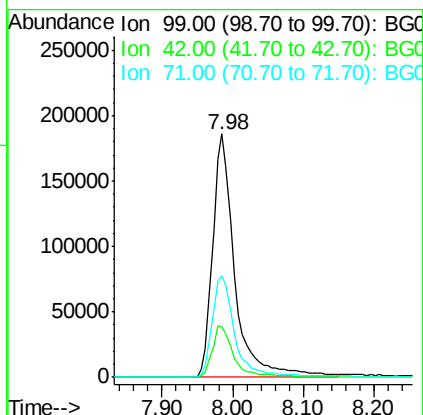
Tot Ion: 99 Resp: 408104

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

71 41.7 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.929 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.39 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

Tgt Ion: 70 Resp: 42611

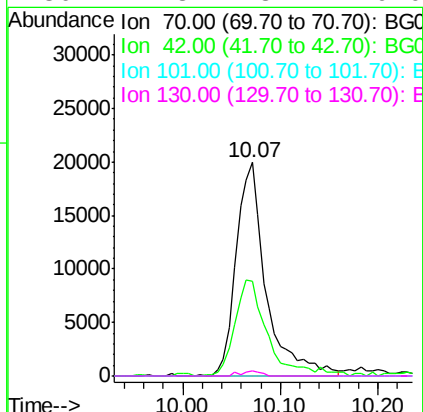
Ion Ratio Lower Upper

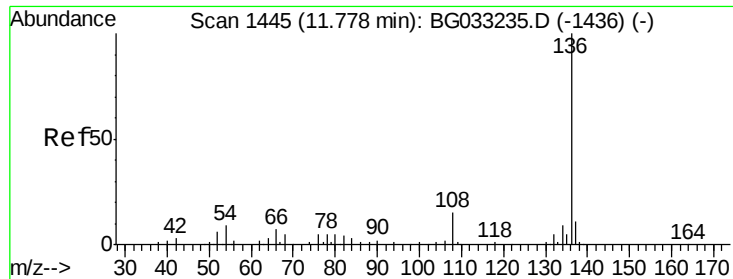
70 100

42 44.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 134627

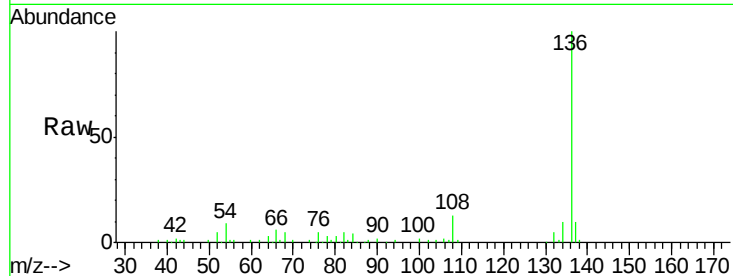
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 9.3 10.3 15.5#

68 5.5 4.5 6.7

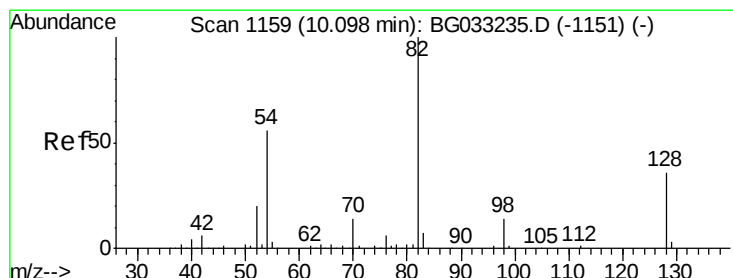
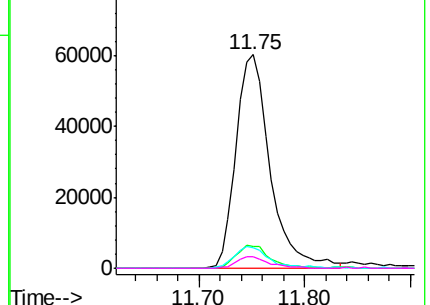
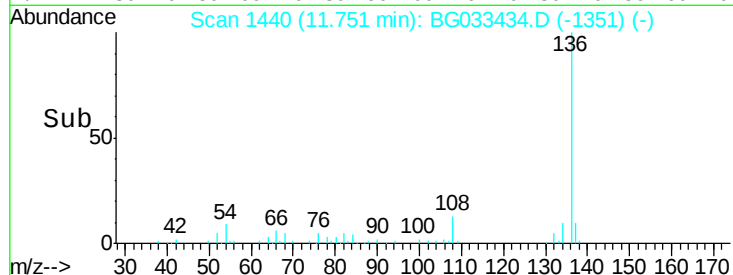


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.669 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

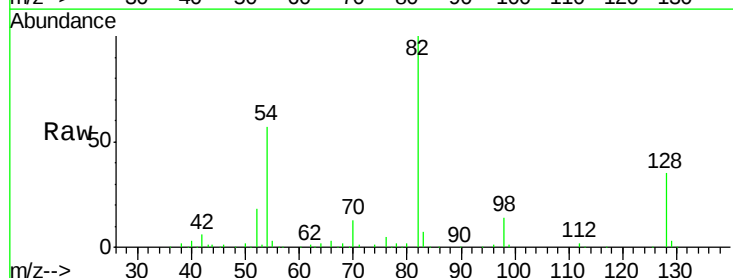
Tgt Ion: 82 Resp: 312564

Ion Ratio Lower Upper

82 100

128 35.5 29.7 44.5

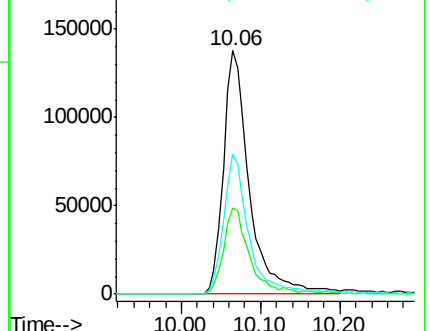
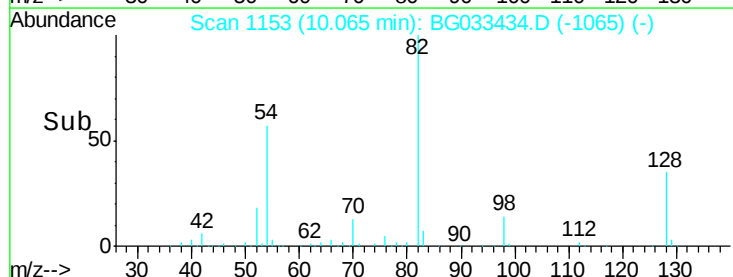
54 57.3 43.1 64.7

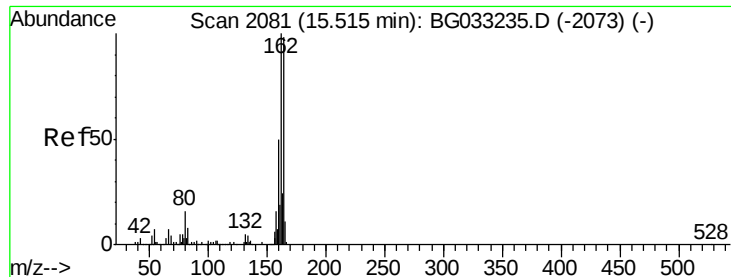


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 15.48 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

Instrument :

BNA_G

ClientSampleId :

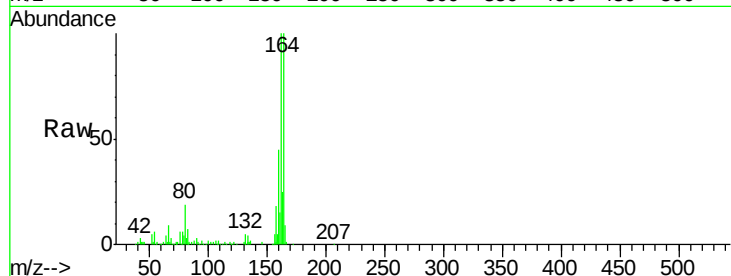
Tot Ion:164 Resp: 108205

Ion Ratio Lower Upper

164 100

162 100.1 78.8 118.2

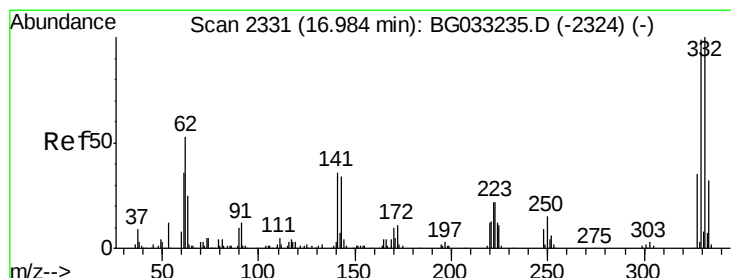
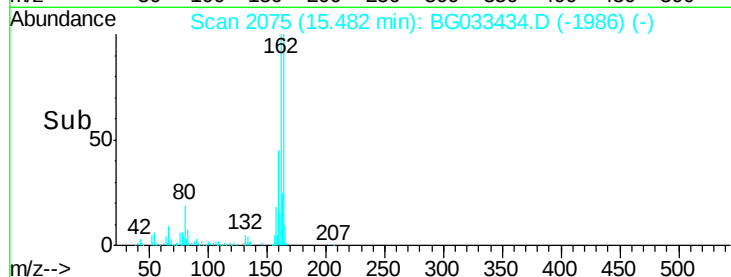
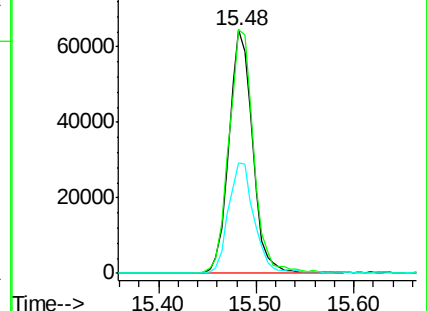
160 45.4 35.4 53.0



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: 184.122 ng

RT: 16.96 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

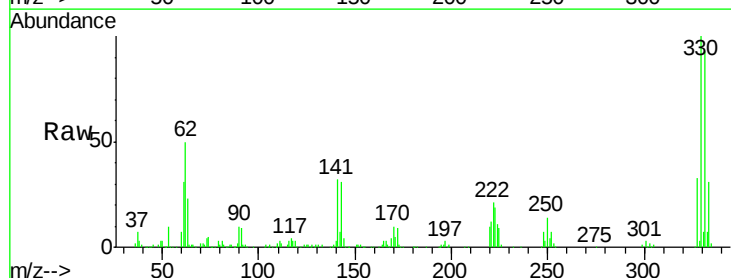
Tgt Ion:330 Resp: 297971

Ion Ratio Lower Upper

330 100

332 95.0 77.0 115.6

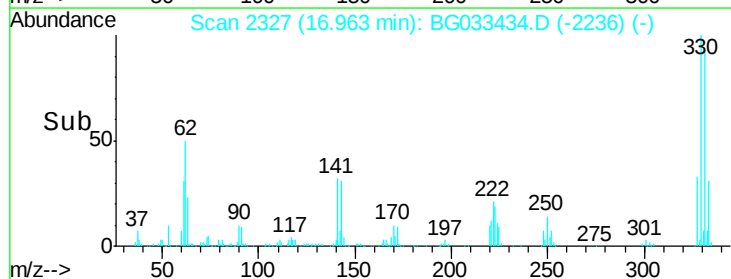
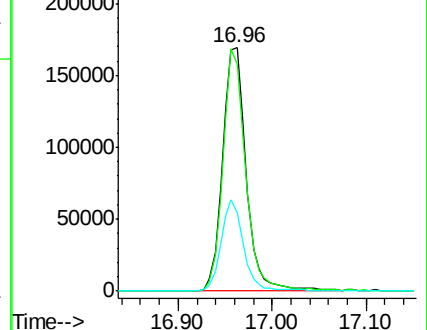
141 35.6 25.2 37.8



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

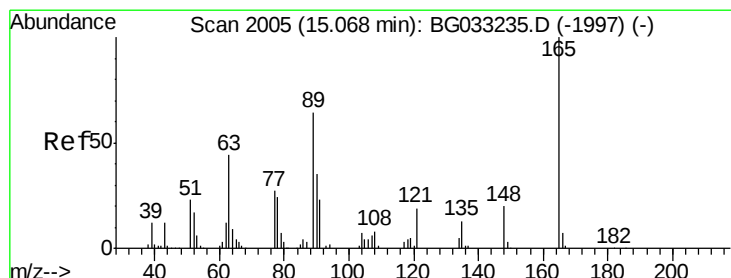
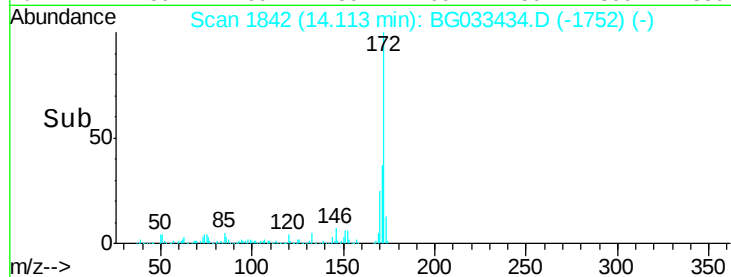
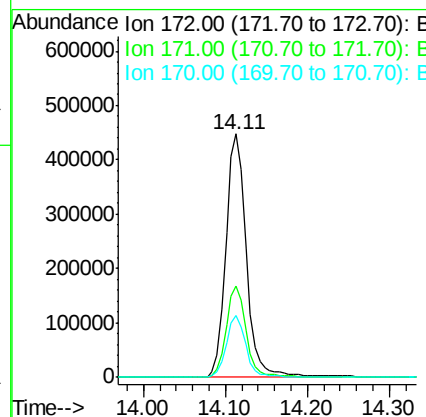
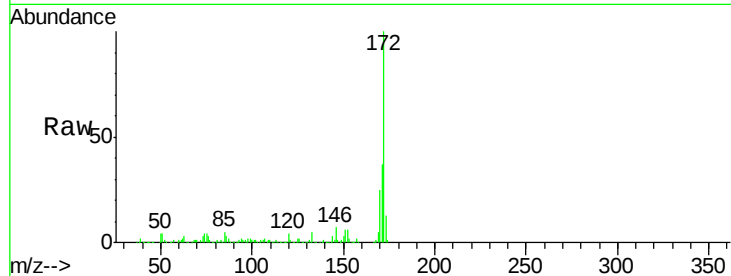




#44
 2-Fluorobiphenyl
 Concen: 104.278 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033434.D
 Acq: 29 Mar 2018 23:58

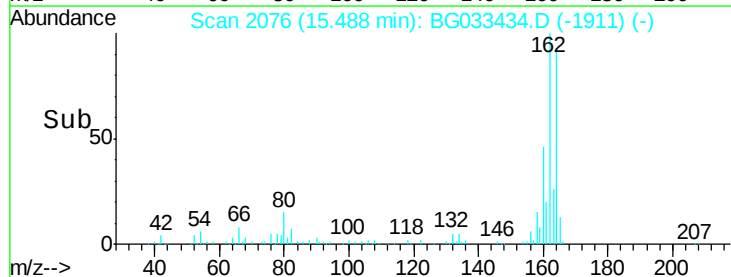
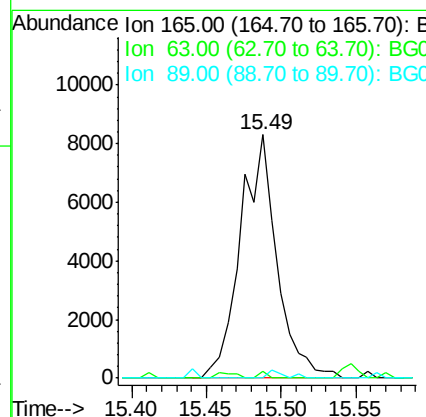
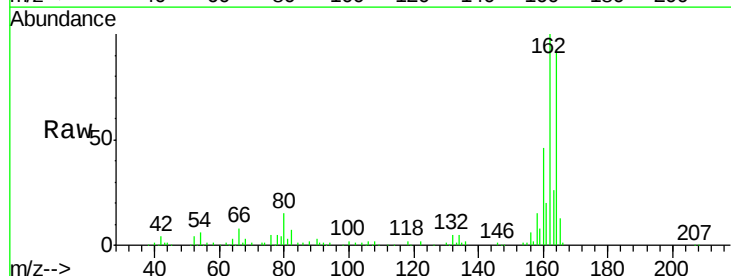
Instrument :
 BNA_G
 ClientSampleId :

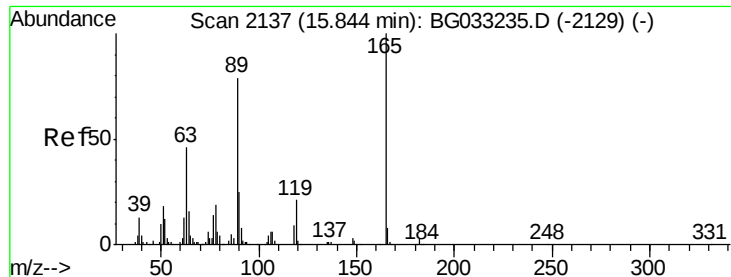
Tot Ion:172 Resp: 781593
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 25.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.322 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033434.D
 Acq: 29 Mar 2018 23:58

Tgt Ion:165 Resp: 14098
 Ion Ratio Lower Upper
 165 100
 63 2.8 52.7 79.1#
 89 0.0 49.2 73.8#

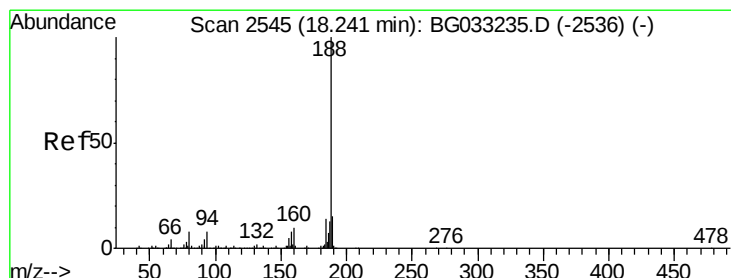
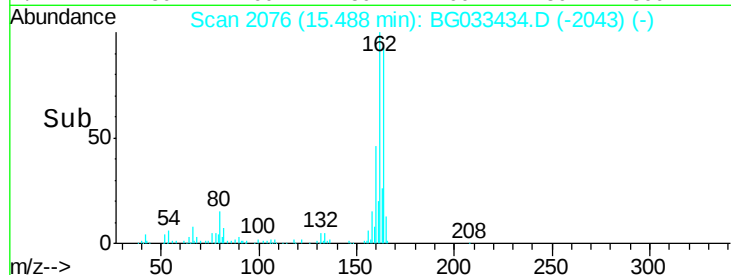
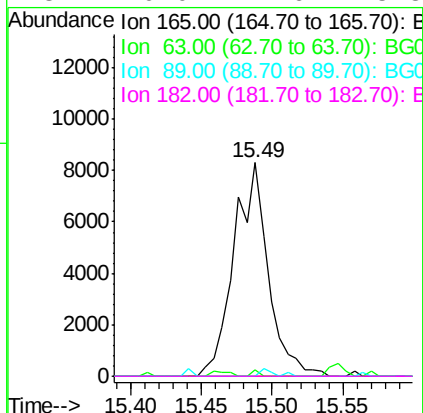
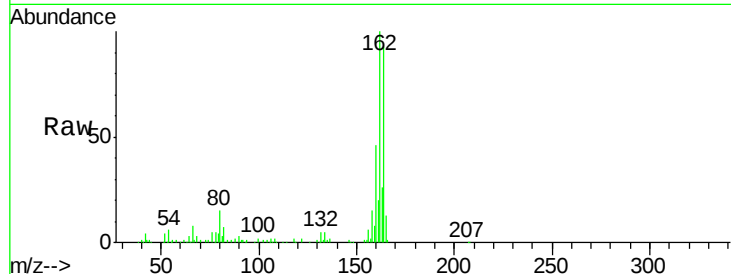




#56
 2,4-Dinitrotoluene
 Concen: 4.972 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.34 min
 Lab File: BG033434.D
 Acq: 29 Mar 2018 23:58

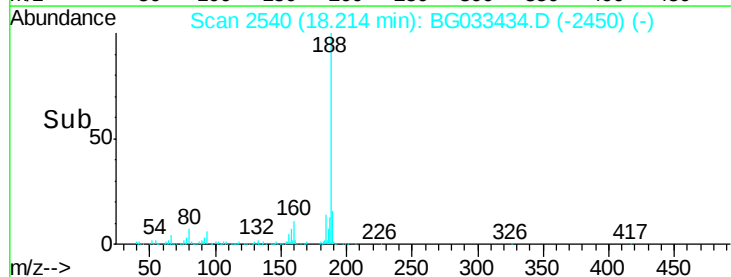
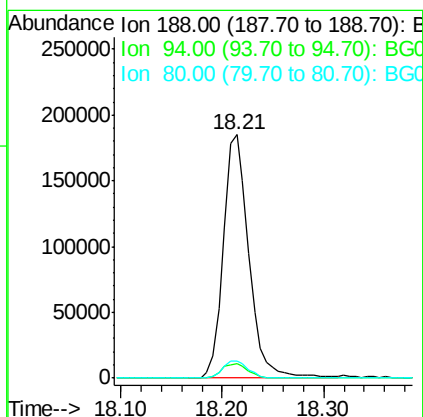
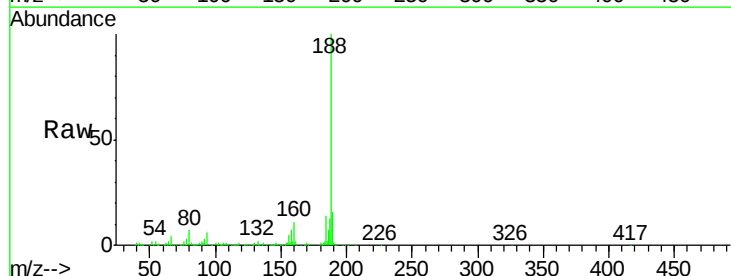
Instrument :
 BNA_G
 ClientSampleId :

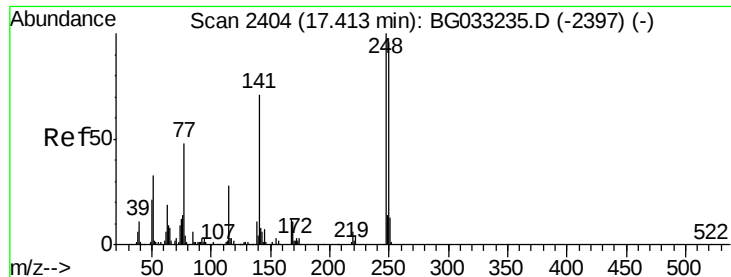
Tot Ion:165 Resp: 14097
 Ion Ratio Lower Upper
 165 100
 63 2.8 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033434.D
 Acq: 29 Mar 2018 23:58

Tgt Ion:188 Resp: 322662
 Ion Ratio Lower Upper
 188 100
 94 6.0 6.9 10.3#
 80 7.1 7.7 11.5#

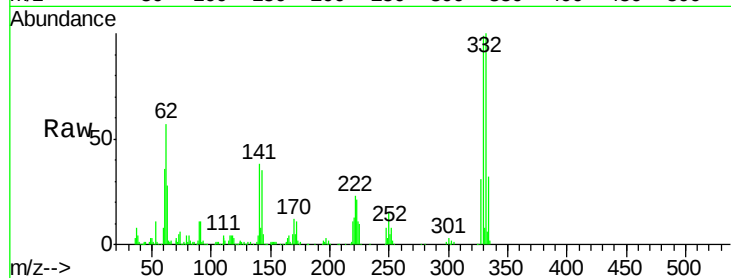




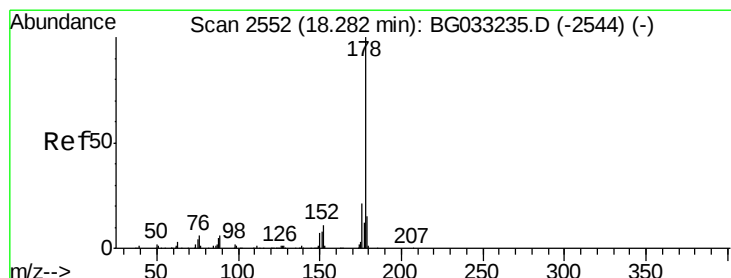
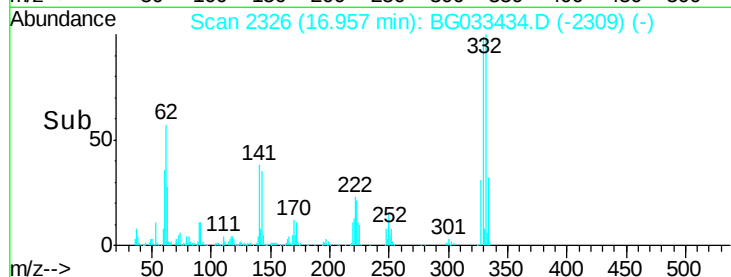
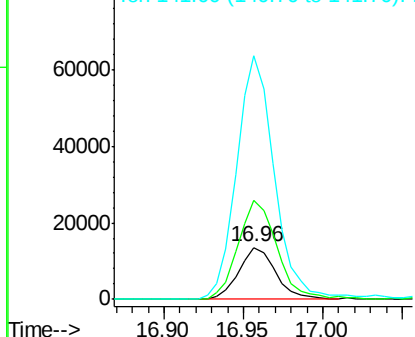
#66
4-Bromophenyl-phenylether
Concen: 5.813 ng
RT: 16.96 min Scan# 2326
Delta R.T. -0.43 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 22028
Ion Ratio Lower Upper
248 100
250 190.7 77.1 115.7#
141 470.3 50.8 76.2#

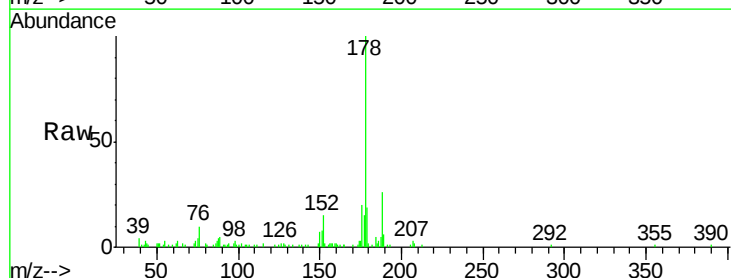


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

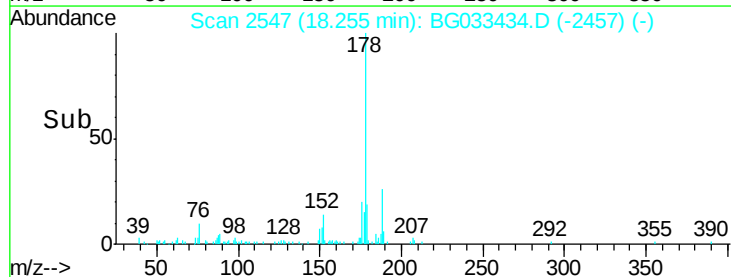
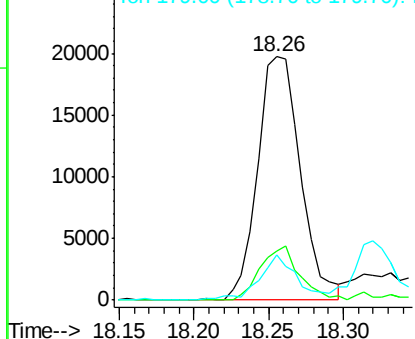


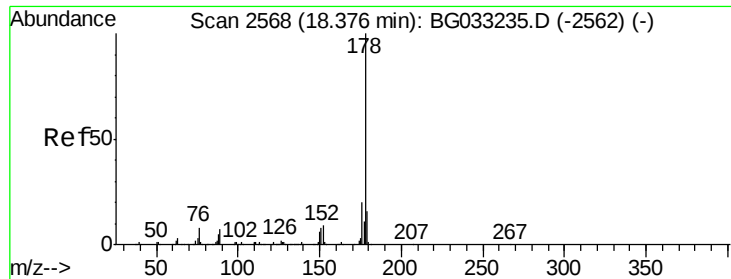
#70
Phenanthrene
Concen: 2.334 ng
RT: 18.26 min Scan# 2547
Delta R.T. -0.00 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

Tgt Ion:178 Resp: 39219
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 18.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.305 ng

RT: 18.26 min Scan# 2547

Delta R.T. -0.09 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

Instrument :

BNA_G

ClientSampleId :

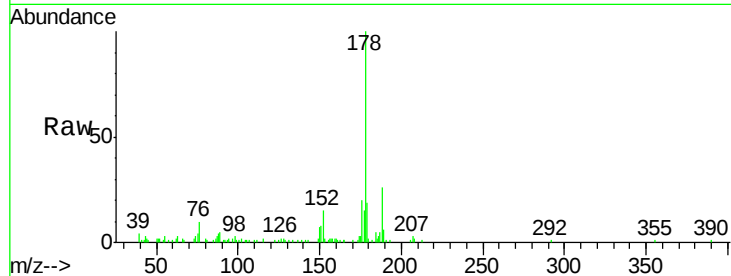
Tot Ion:178 Resp: 39219

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

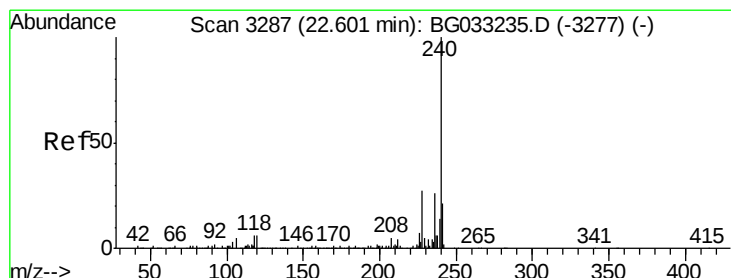
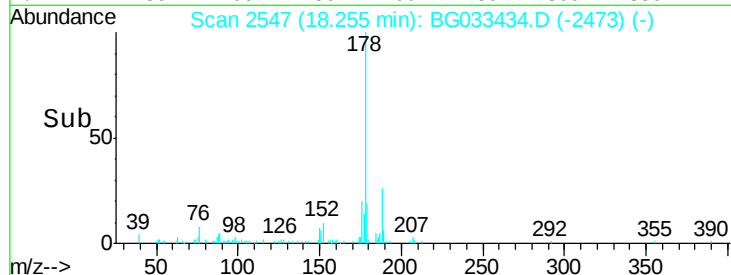
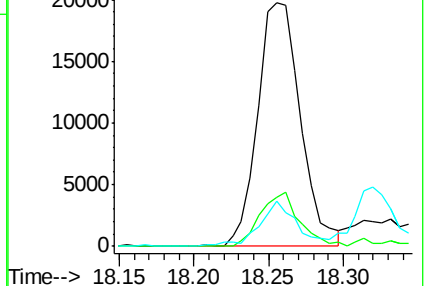
179 18.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033434.D

Acq: 29 Mar 2018 23:58

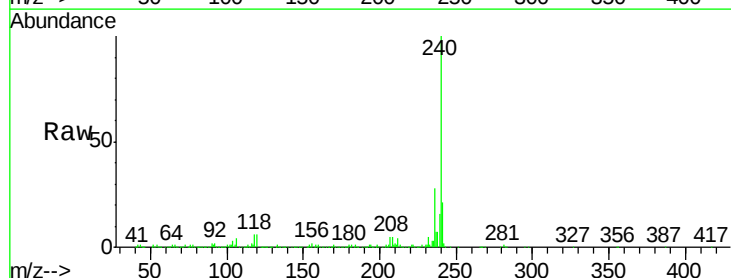
Tgt Ion:240 Resp: 343640

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

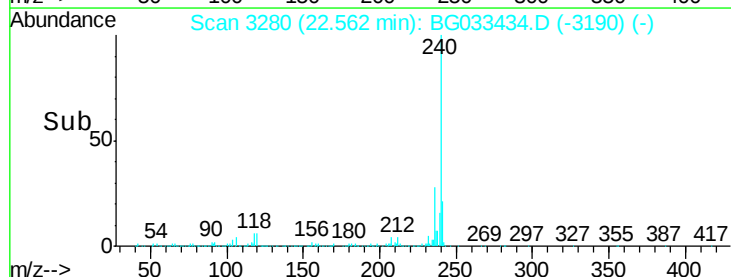
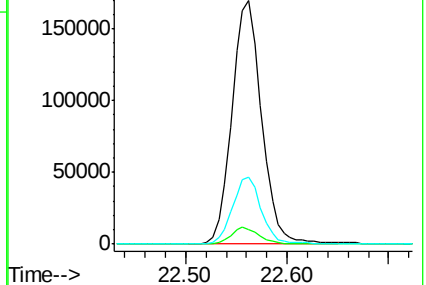
236 27.6 20.9 31.3

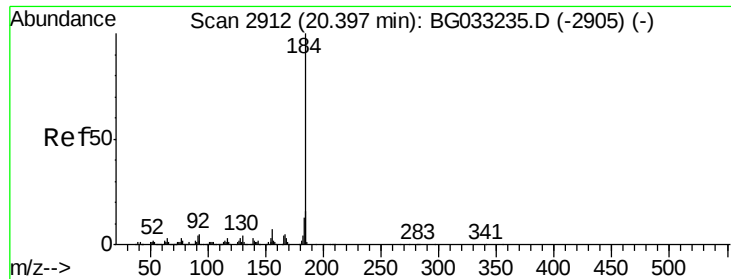


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

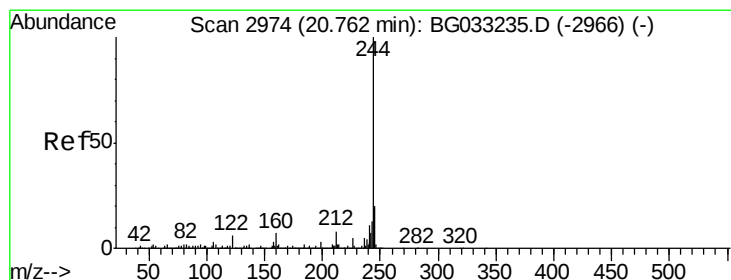
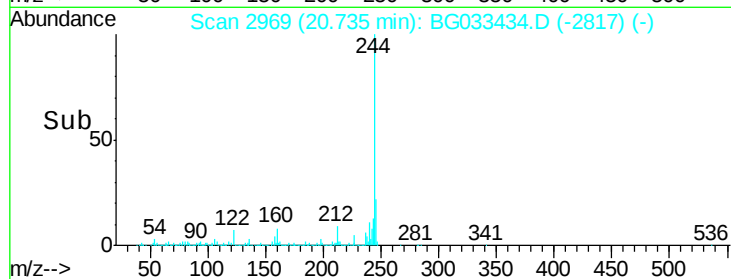
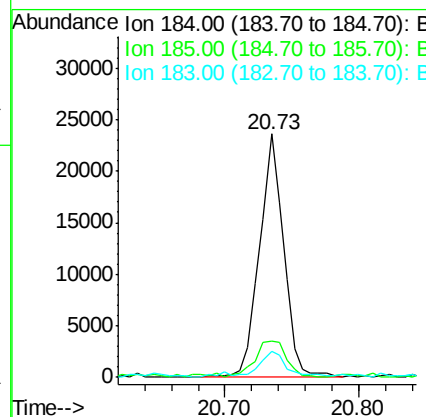
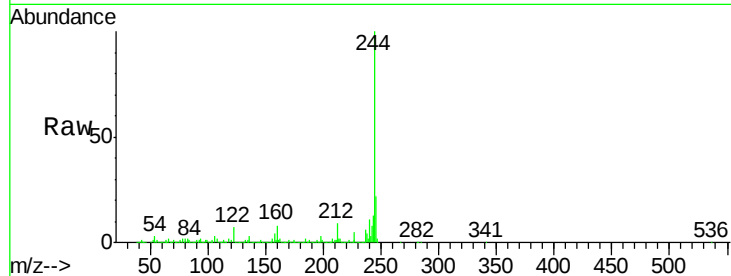




#76
Benzidine
Concen: 3.173 ng
RT: 20.73 min Scan# 2969
Delta R.T. 0.36 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

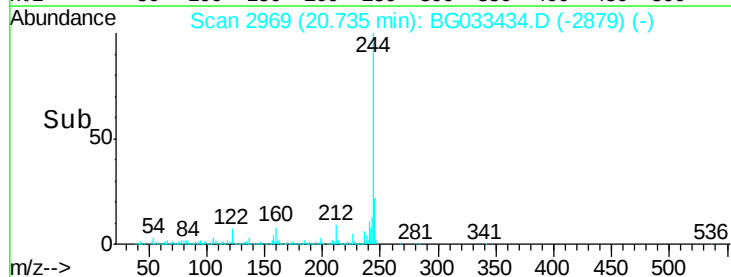
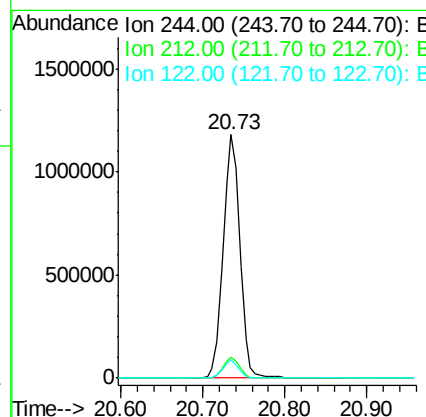
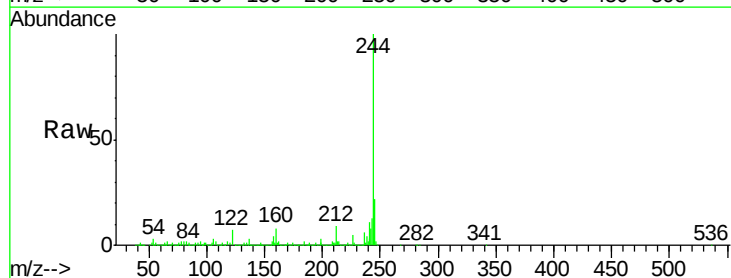
Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 29565
Ion Ratio Lower Upper
184 100
185 15.0 11.1 16.7
183 10.7 10.6 16.0



#78
Terphenyl-d14
Concen: 105.079 ng
RT: 20.73 min Scan# 2969
Delta R.T. -0.00 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

Tgt Ion:244 Resp: 1688456
Ion Ratio Lower Upper
244 100
212 8.8 5.8 8.8#
122 7.4 7.0 10.4

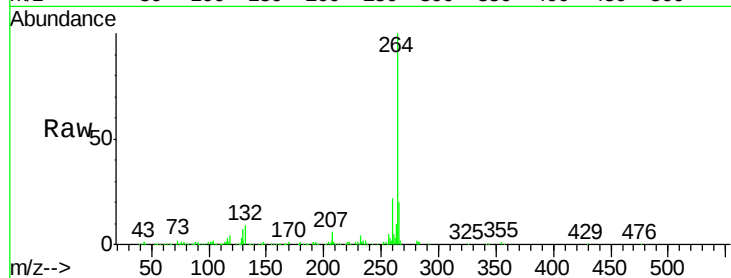




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.33 min Scan# 3921
Delta R.T. -0.01 min
Lab File: BG033434.D
Acq: 29 Mar 2018 23:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	19.9	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

