

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG040318\
 Data File : BG033522.D
 Acq On : 3 Apr 2018 12:50
 Operator : SJ/JU
 Sample : J2114-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 03 14:52:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 14:50:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	34036	20.00	ng	0.00
21) Naphthalene-d8	11.75	136	155389	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	130498	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	351023	20.00	ng	0.00
75) Chrysene-d12	22.55	240	347829	20.00	ng	0.00
86) Perylene-d12	26.31	264	372558	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.29	112	91987	50.68	ng	0.00
7) Phenol-d6	7.98	99	89671	28.75	ng	0.00
23) Nitrobenzene-d5	10.07	82	330386	97.69	ng	0.00
41) 2,4,6-Tribromophenol	16.95	330	185545	95.07	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	813867	90.03	ng	0.00
78) Terphenyl-d14	20.73	244	1524503	93.73	ng	0.00

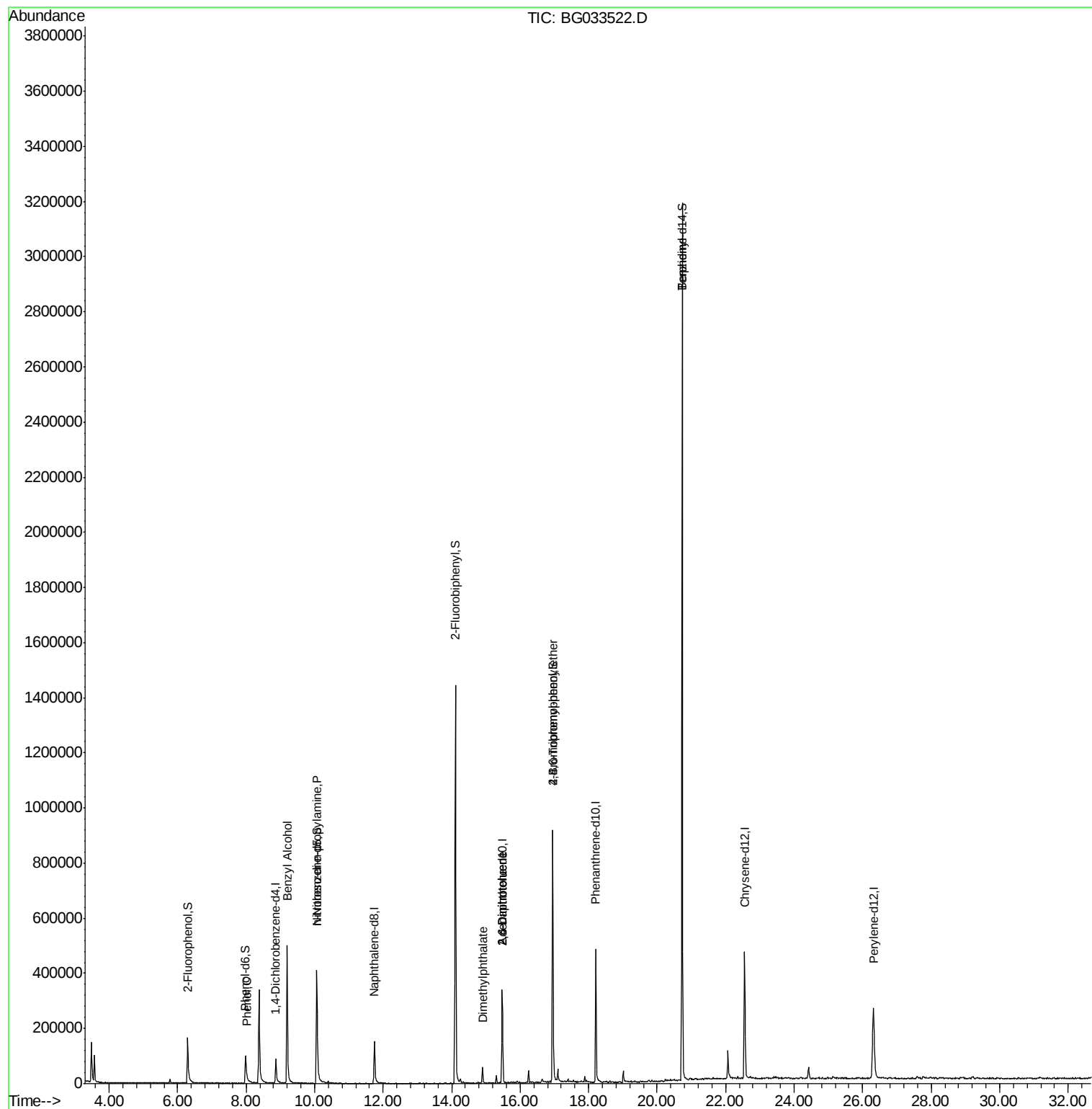
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	8.01	94	6364	2.067	ng	86
15) Benzyl Alcohol	9.20	79	5141	2.094	ng	# 58
19) n-Nitroso-di-n-propylamine	10.06	70	43788	19.161	ng	# 75
49) Dimethylphthalate	14.90	163	39251	3.456	ng	99
50) 2,6-Dinitrotoluene	15.48	165	15935	6.862	ng	# 18
56) 2,4-Dinitrotoluene	15.48	165	15935	4.661	ng	# 16
66) 4-Bromophenyl-phenylether	16.95	248	14134	3.429	ng	# 1
76) Benzidine	20.73	184	25766	2.732	ng	# 91

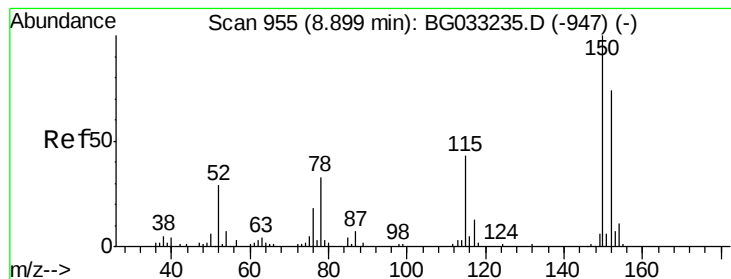
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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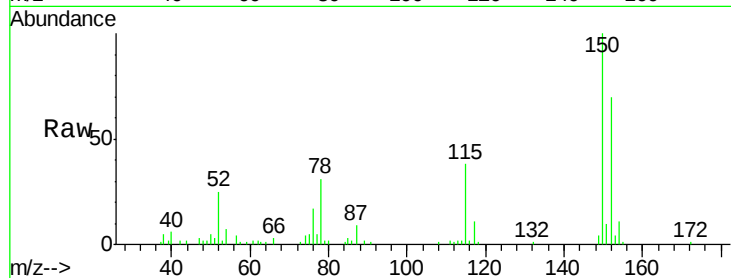


#1

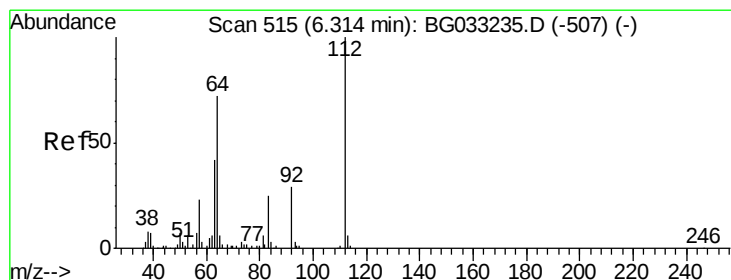
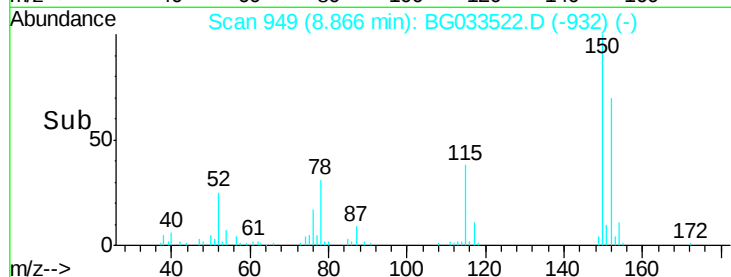
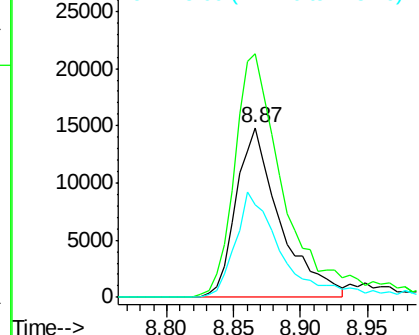
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG033522.D
Acq: 3 Apr 2018 12:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.2	126.6	189.8
115	54.6	53.0	79.4



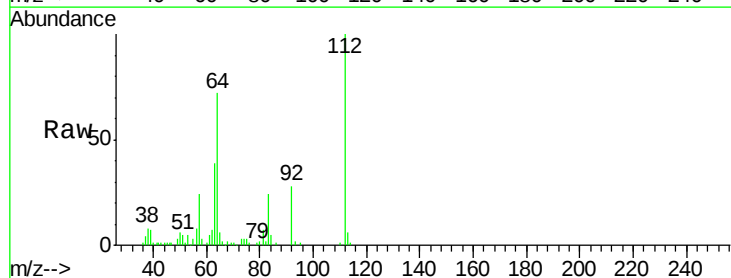
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



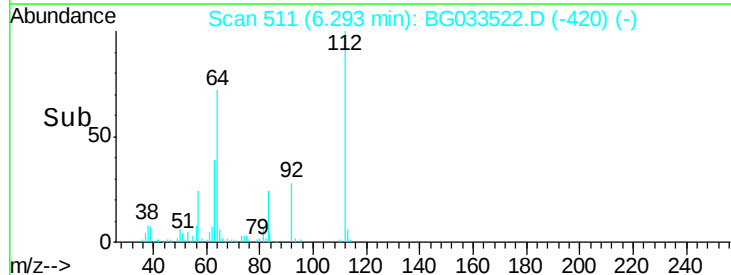
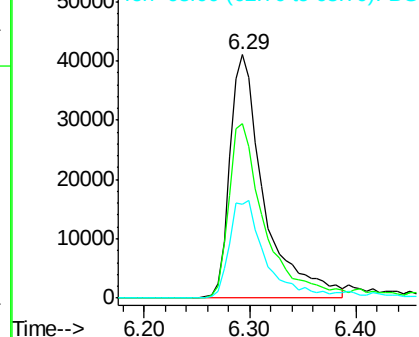
#5

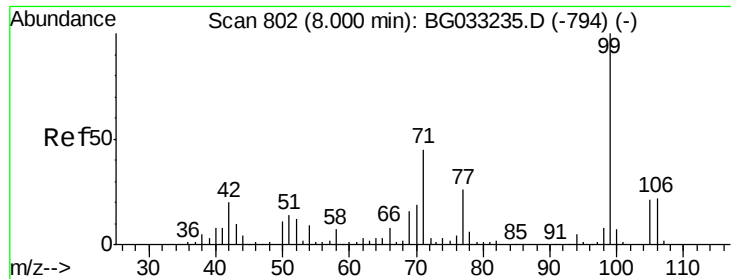
2-Fluorophenol
Concen: 50.678 ng
RT: 6.29 min Scan# 511
Delta R.T. 0.00 min
Lab File: BG033522.D
Acq: 3 Apr 2018 12:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	56.3	84.5
63	38.5	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: 28.752 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.00 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

Instrument :

BNA_G

ClientSampled :

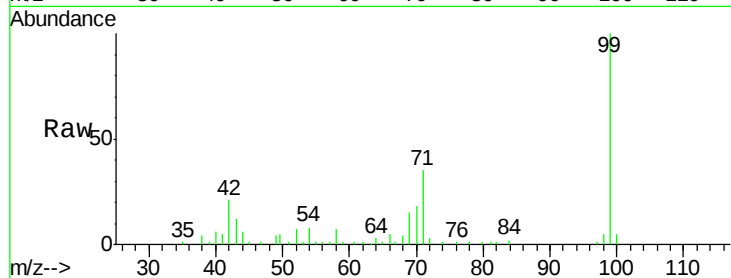
Tot Ion: 99 Resp: 89671

Ion Ratio Lower Upper

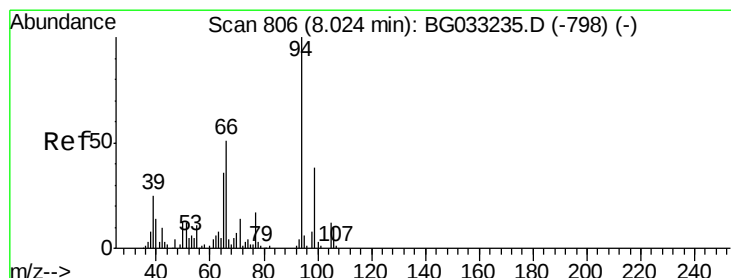
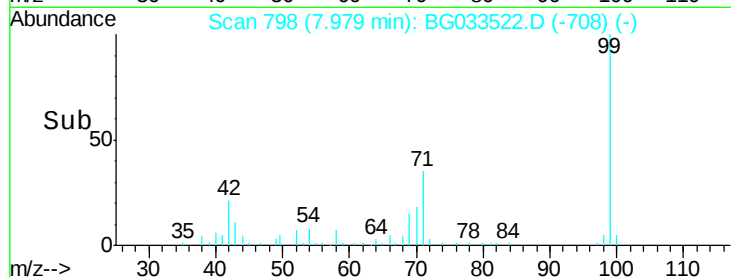
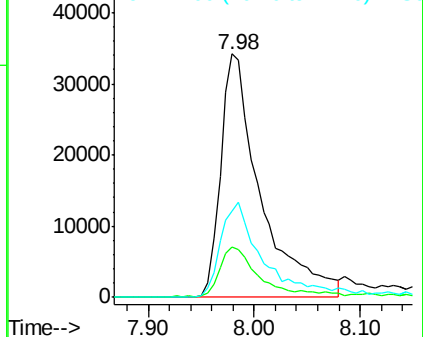
99 100

42 20.6 14.1 21.1

71 35.4 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



#10

Phenol

Concen: 2.067 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.01 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

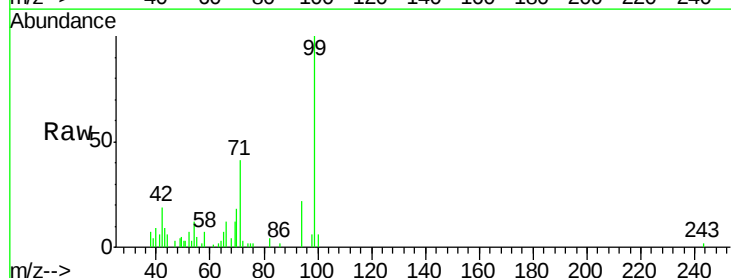
Tgt Ion: 94 Resp: 6364

Ion Ratio Lower Upper

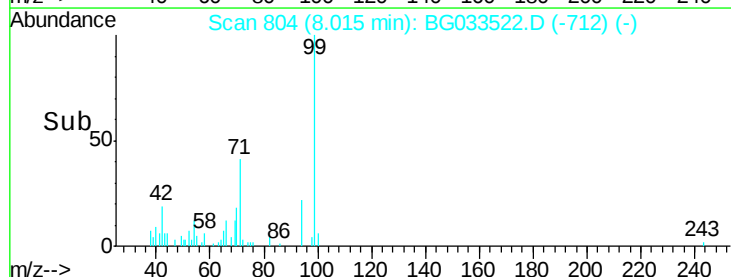
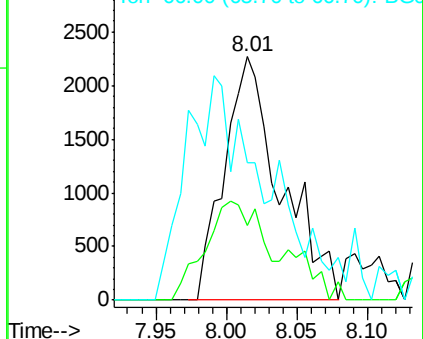
94 100

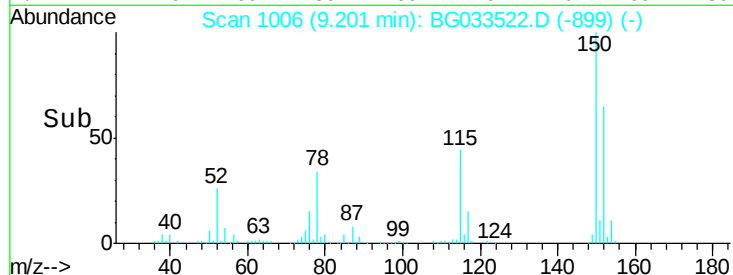
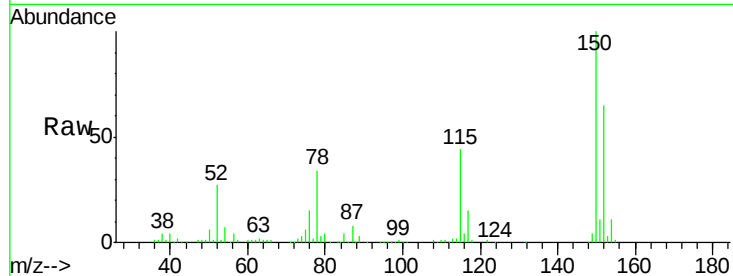
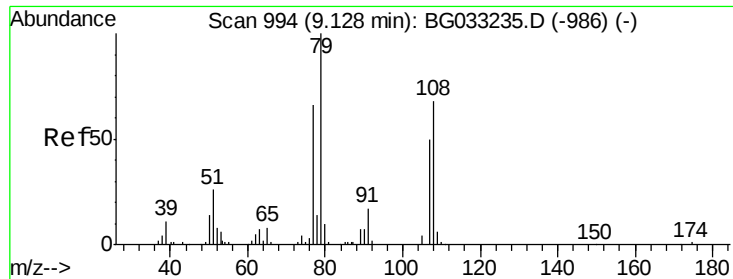
65 30.7 11.9 51.9

66 56.3 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.094 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.10 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

Instrument :

BNA_G

ClientSampleId :

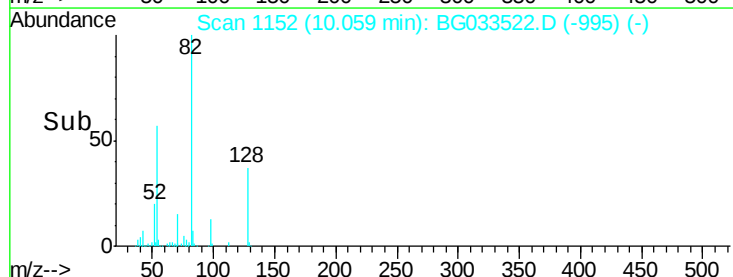
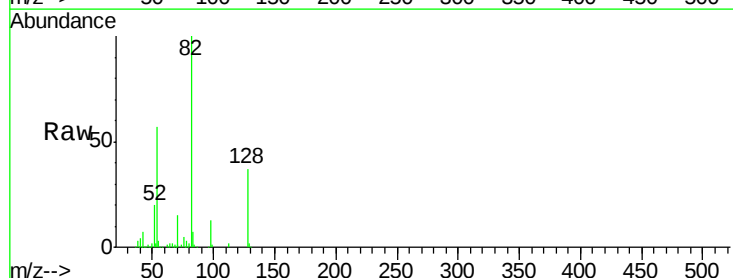
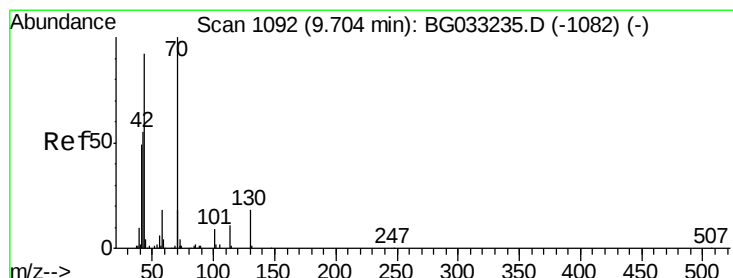
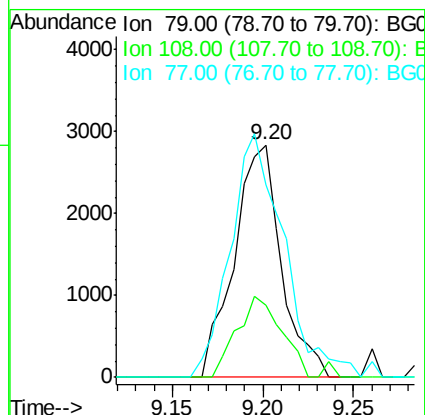
Tot Ion: 79 Resp: 5141

Ion Ratio Lower Upper

79 100

108 31.0 57.2 85.8#

77 82.6 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.161 ng

RT: 10.06 min Scan# 1152

Delta R.T. 0.39 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

Tgt Ion: 70 Resp: 43788

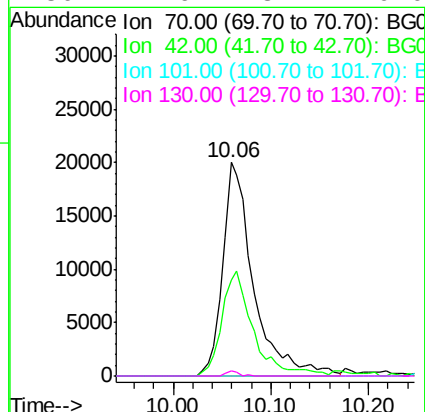
Ion Ratio Lower Upper

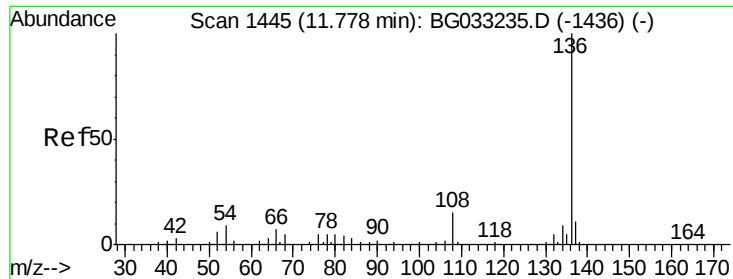
70 100

42 44.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 155389

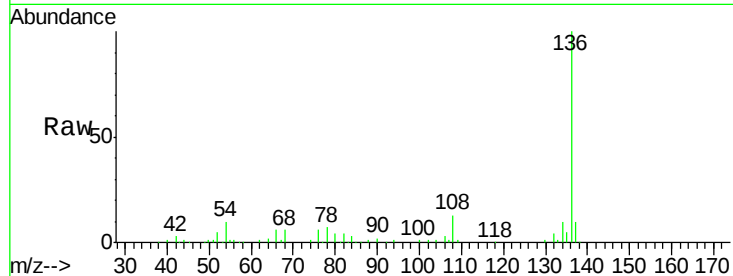
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 10.1 10.3 15.5#

68 5.8 4.5 6.7

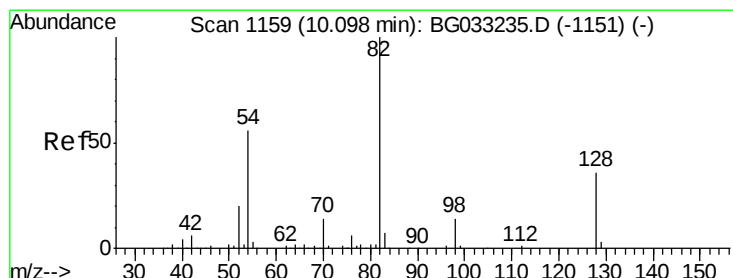
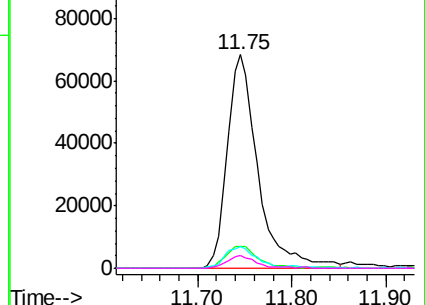
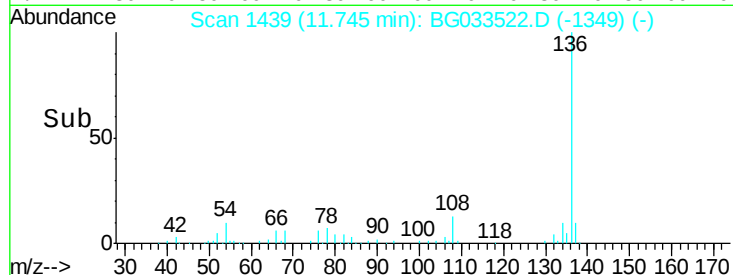


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.686 ng

RT: 10.07 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

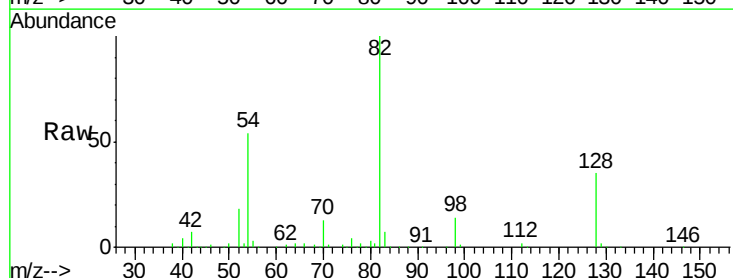
Tgt Ion: 82 Resp: 330386

Ion Ratio Lower Upper

82 100

128 34.8 29.7 44.5

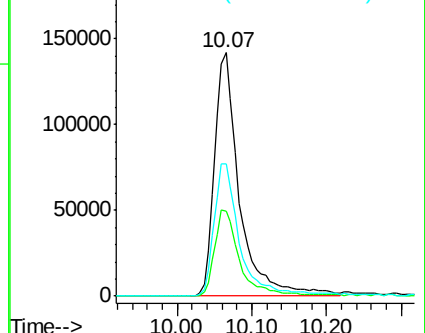
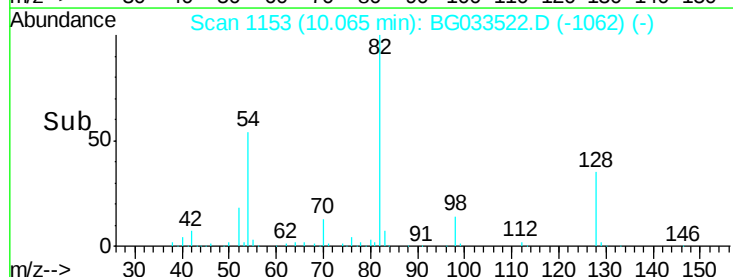
54 54.2 43.1 64.7

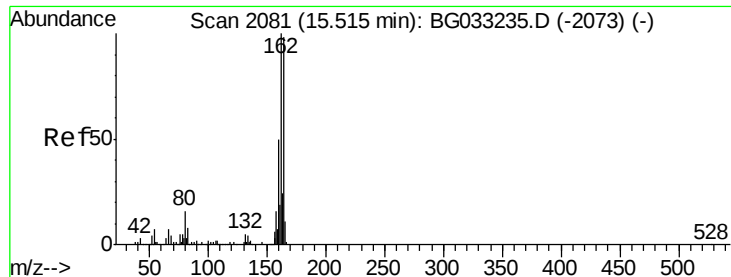


Abundance Ion 82.00 (81.70 to 82.70): BGC

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# 2074

Delta R.T. -0.00 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

Instrument :

BNA_G

ClientSampleId :

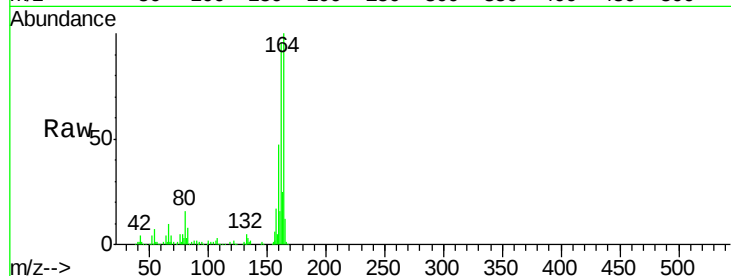
Tot Ion:164 Resp: 130498

Ion Ratio Lower Upper

164 100

162 95.9 78.8 118.2

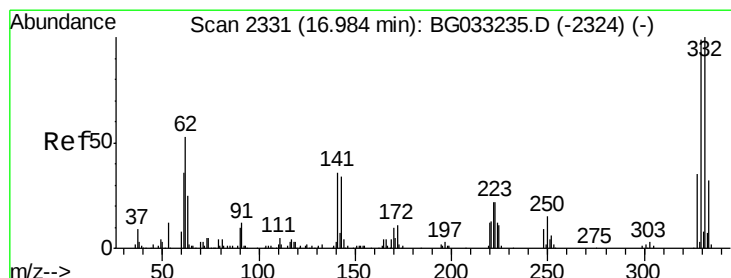
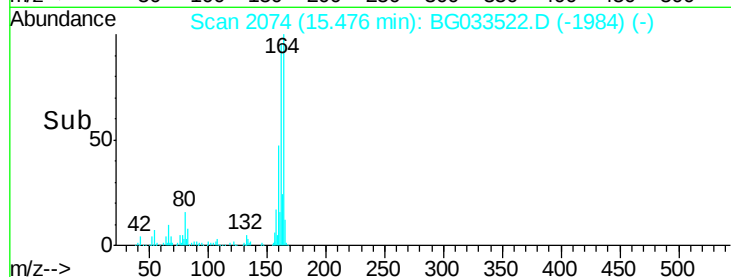
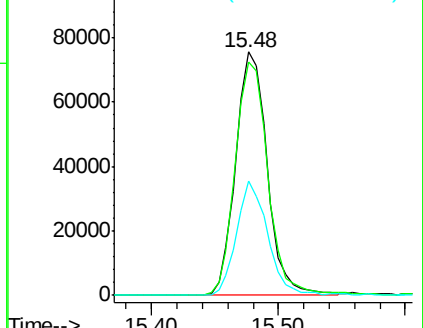
160 46.8 35.4 53.0



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: 95.066 ng

RT: 16.95 min Scan# 2325

Delta R.T. -0.00 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

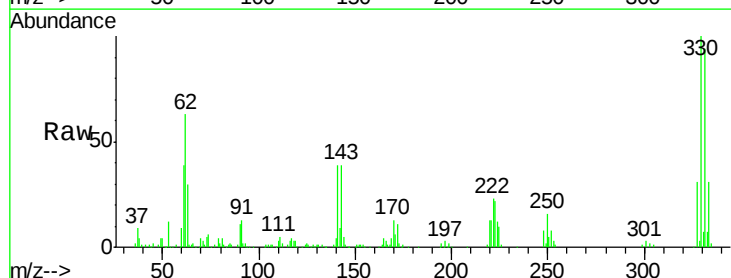
Tgt Ion:330 Resp: 185545

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

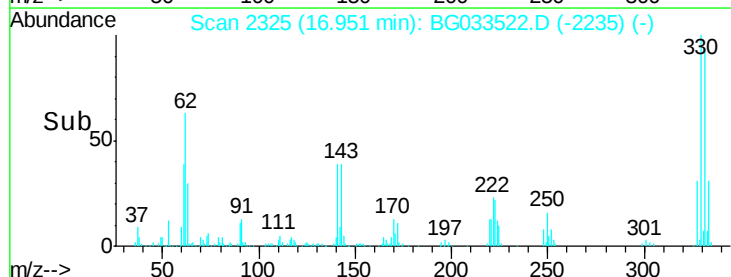
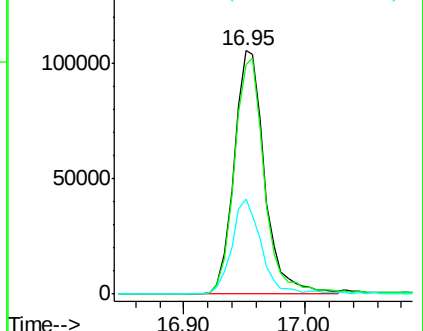
141 38.2 25.2 37.8#

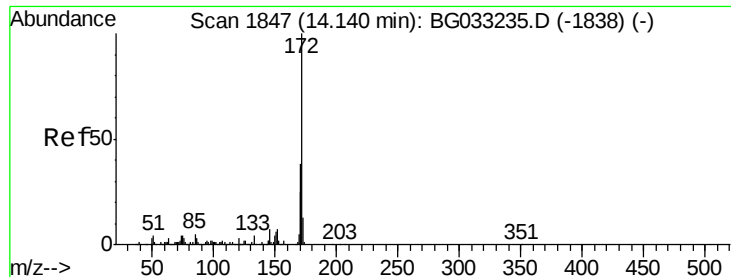


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

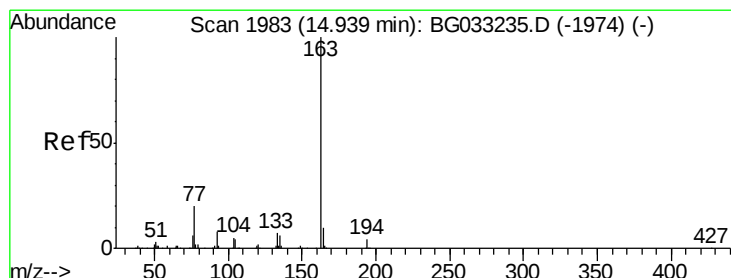
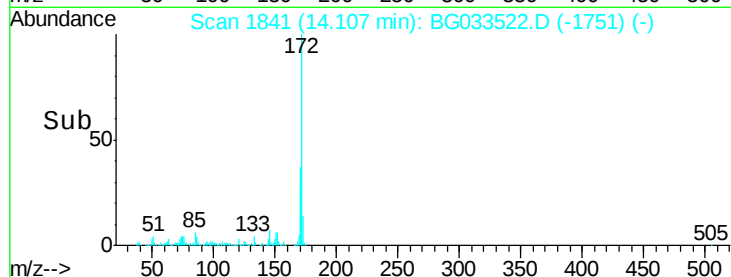
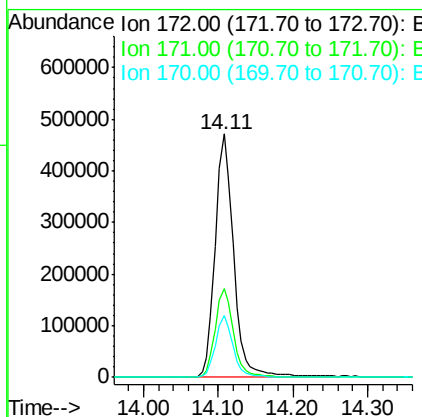
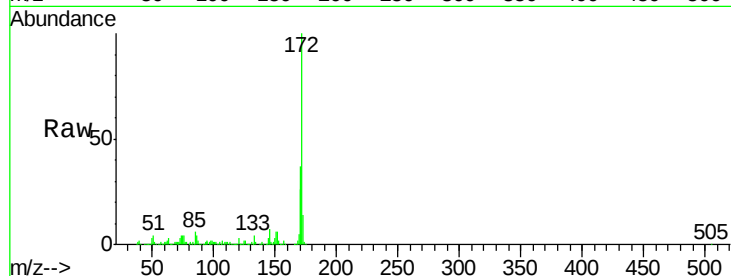




#44
2-Fluorobiphenyl
Concen: 90.034 ng
RT: 14.11 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BG033522.D
Acq: 3 Apr 2018 12:50

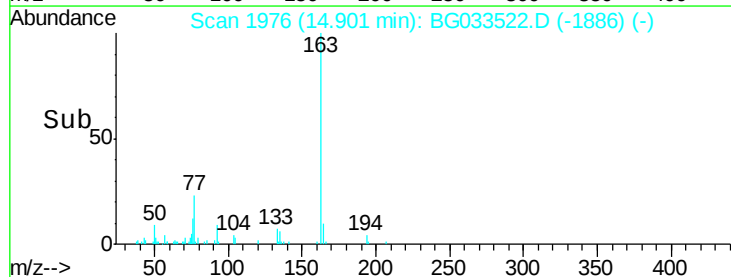
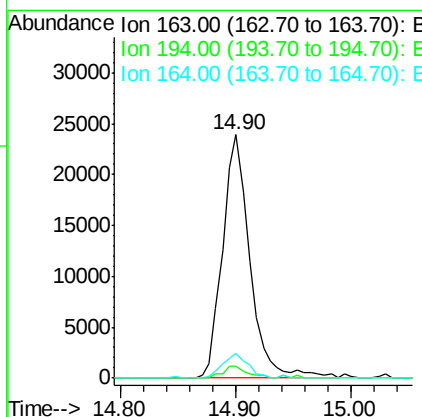
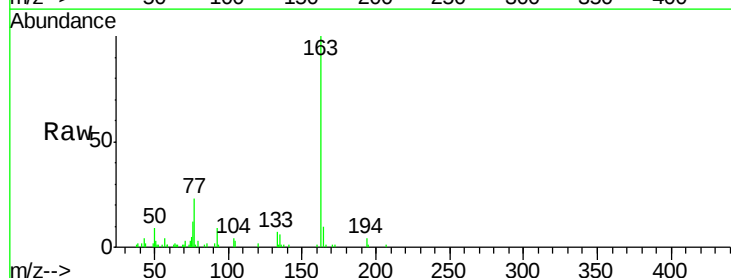
Instrument :
BNA_G
ClientSampleId :

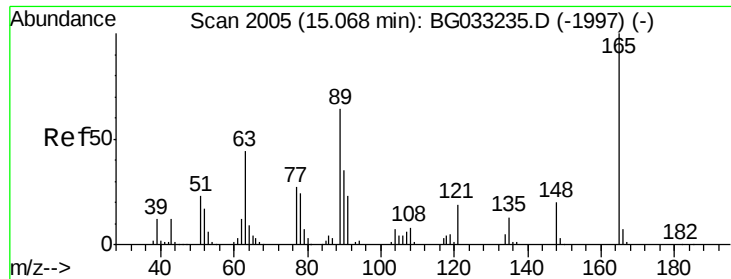
Tot Ion:172 Resp: 813867
Ion Ratio Lower Upper
172 100
171 36.5 30.0 45.0
170 25.5 19.5 29.3



#49
Dimethylphthalate
Concen: 3.456 ng
RT: 14.90 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG033522.D
Acq: 3 Apr 2018 12:50

Tgt Ion:163 Resp: 39251
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.2
164 10.0 8.2 12.4

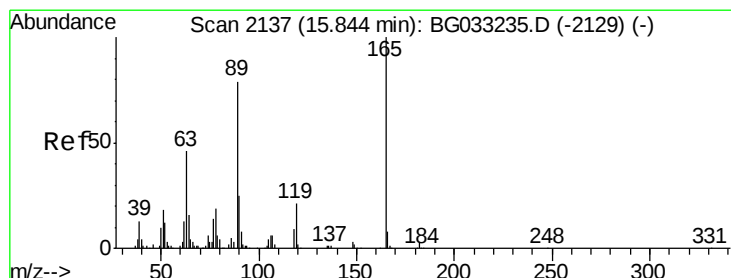
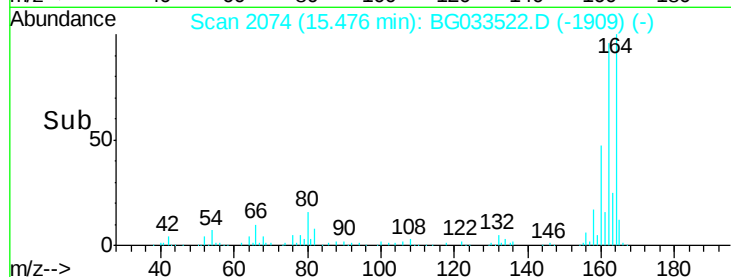
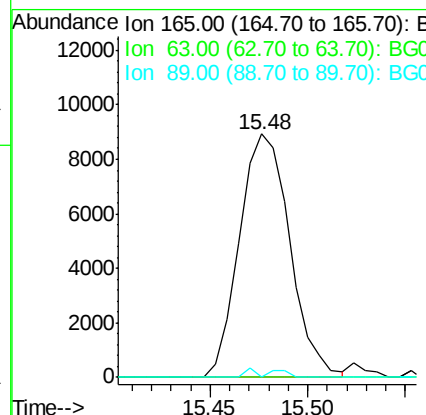
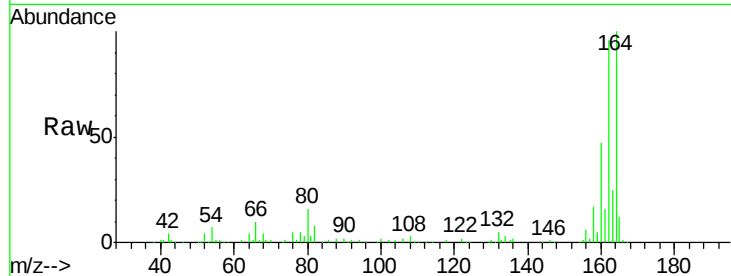




#50
 2,6-Dinitrotoluene
 Concen: 6.862 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. 0.44 min
 Lab File: BG033522.D
 Acq: 3 Apr 2018 12:50

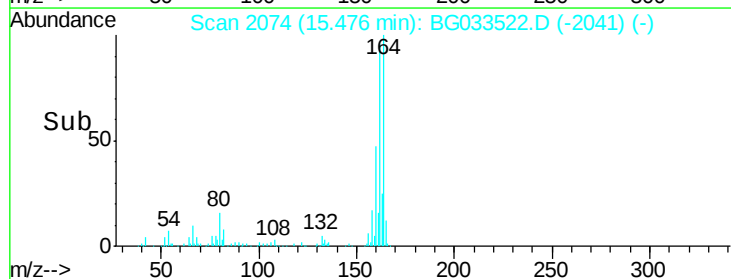
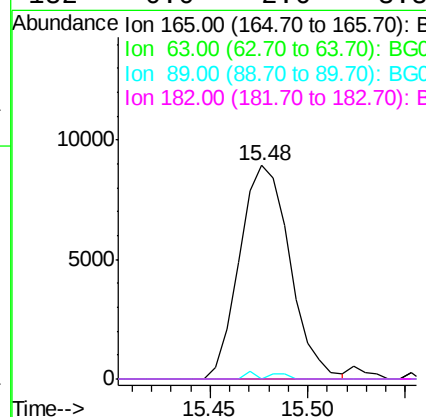
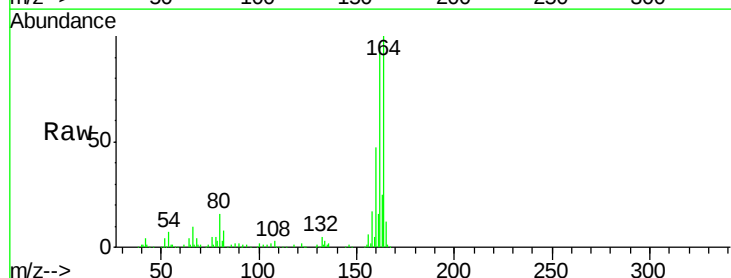
Instrument :
 BNA_G
 ClientSampleId :

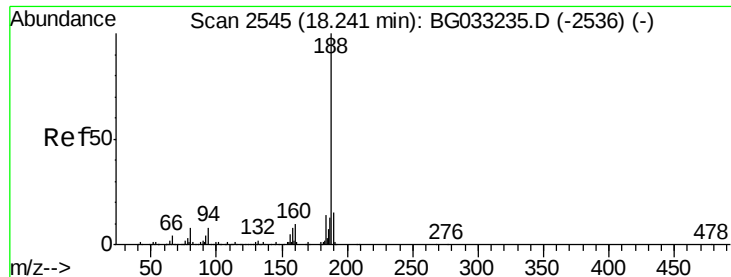
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.661 ng
 RT: 15.48 min Scan# 2074
 Delta R.T. -0.34 min
 Lab File: BG033522.D
 Acq: 3 Apr 2018 12:50

Tgt 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#

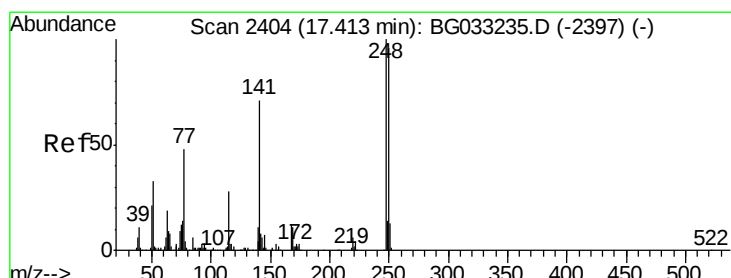
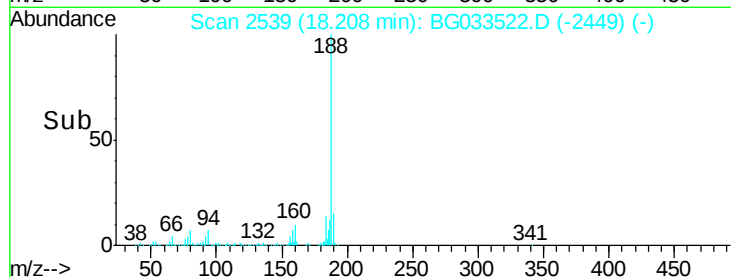
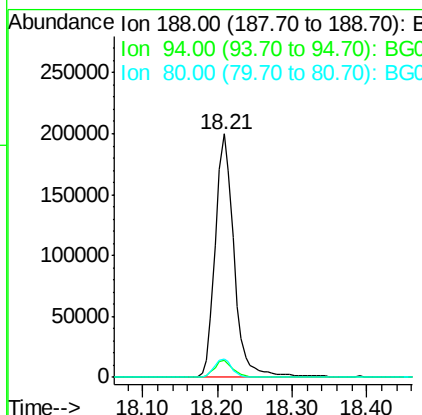
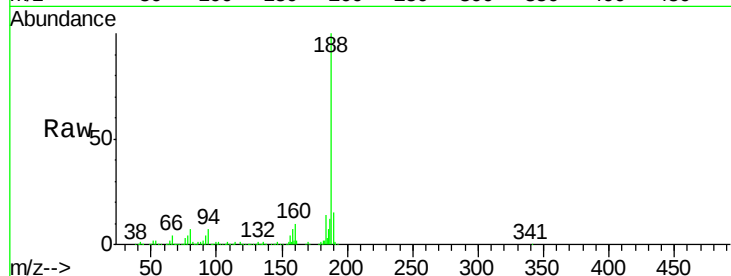




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BG033522.D
Acq: 3 Apr 2018 12:50

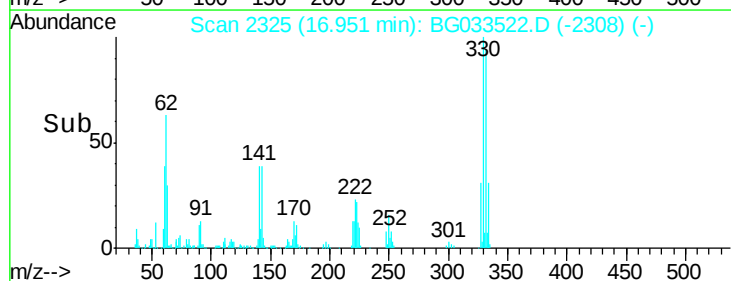
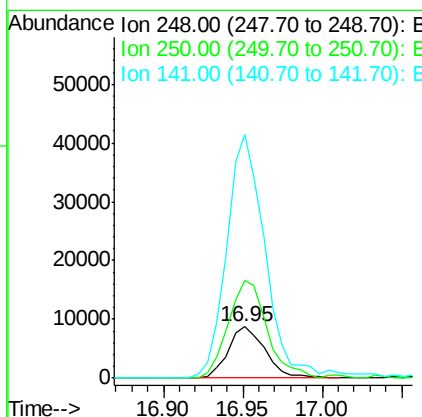
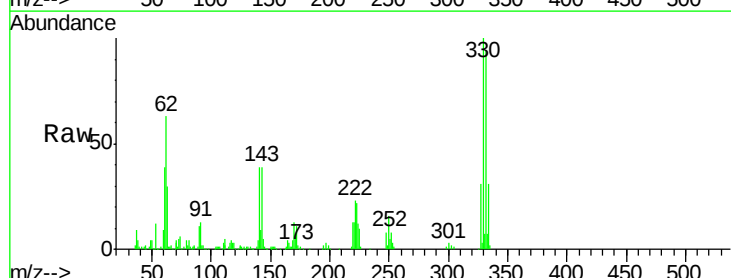
Instrument :
BNA_G
ClientSampled :

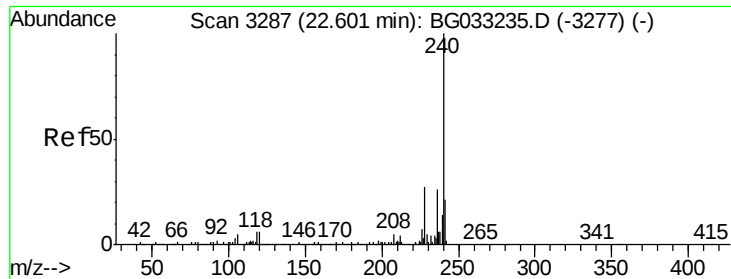
Tot Ion:188 Resp: 351023
Ion Ratio Lower Upper
188 100
94 7.1 6.9 10.3
80 7.4 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 3.429 ng
RT: 16.95 min Scan# 2325
Delta R.T. -0.43 min
Lab File: BG033522.D
Acq: 3 Apr 2018 12:50

Tgt Ion:248 Resp: 14134
Ion Ratio Lower Upper
248 100
250 248.3 77.1 115.7#
141 472.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

Instrument :

BNA_G

ClientSampleId :

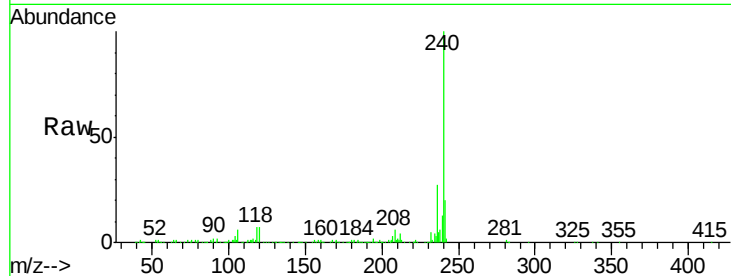
Tot Ion:240 Resp: 347829

Ion Ratio Lower Upper

240 100

120 7.1 6.8 10.2

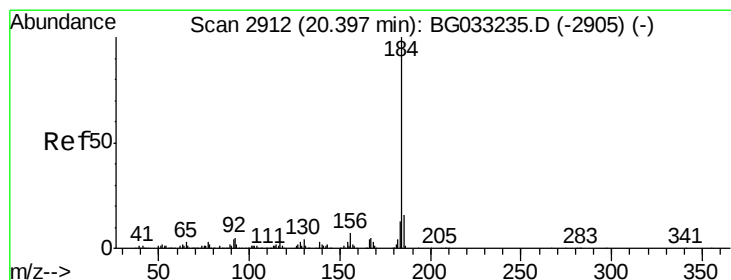
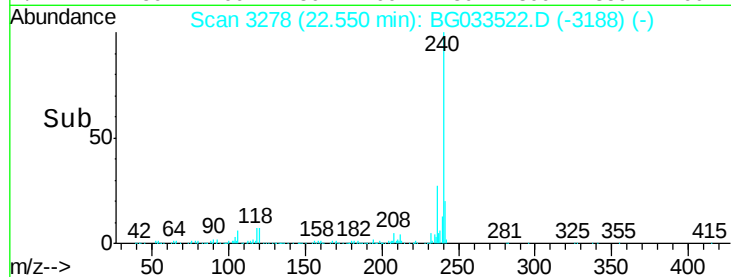
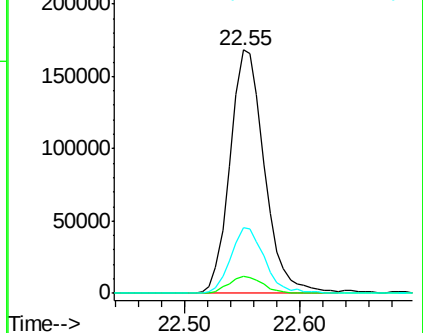
236 27.2 20.9 31.3



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: 2.732 ng

RT: 20.73 min Scan# 2968

Delta R.T. 0.36 min

Lab File: BG033522.D

Acq: 3 Apr 2018 12:50

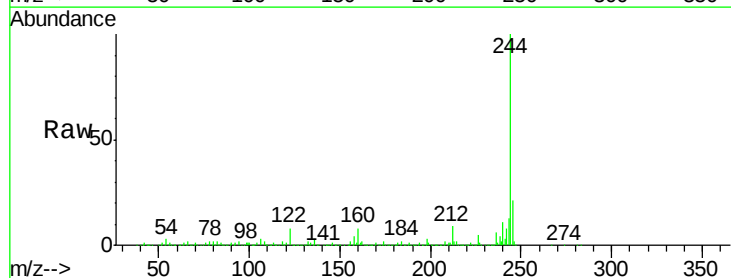
Tgt Ion:184 Resp: 25766

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

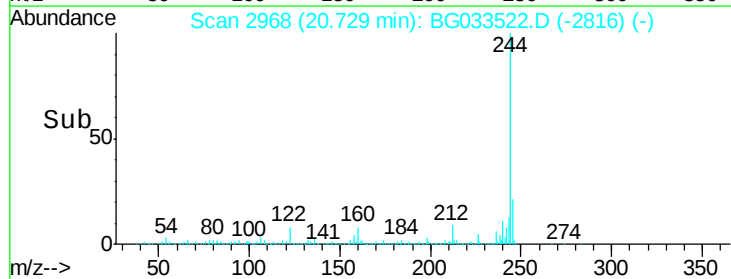
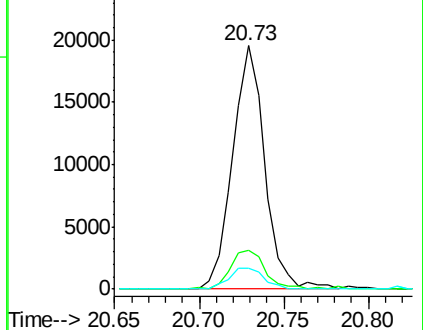
183 8.5 10.6 16.0#

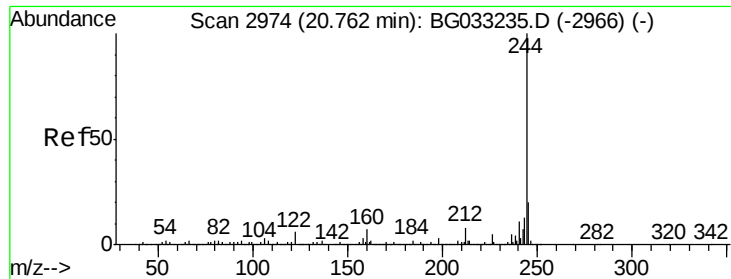


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

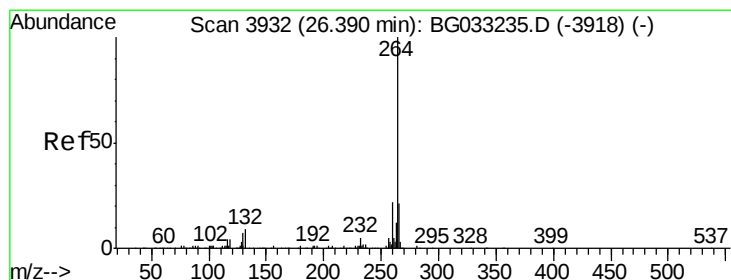
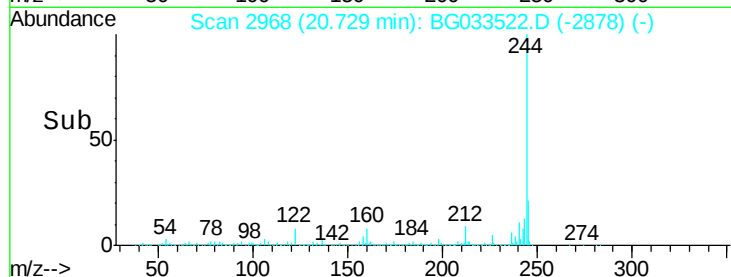
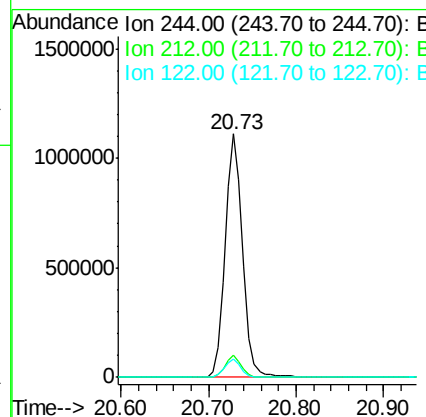
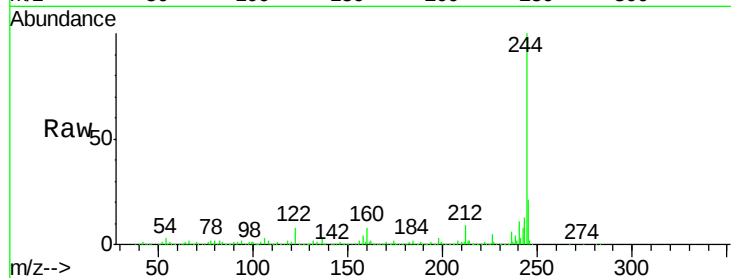




#78
 Terphenyl-d14
 Concen: 93.733 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.00 min
 Lab File: BG033522.D
 Acq: 3 Apr 2018 12:50

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1524503
 Ion Ratio Lower Upper
 244 100
 212 8.9 5.8 8.8#
 122 7.7 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.31 min Scan# 3918
 Delta R.T. -0.01 min
 Lab File: BG033522.D
 Acq: 3 Apr 2018 12:50

Tgt Ion:264 Resp: 372558
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.4 26.0
 265 21.4 17.7 26.5

