

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034963.D
 Acq On : 7 Jun 2018 21:58
 Operator : SJ/JU
 Sample : J3344-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-1

Quant Time: Jun 08 04:33:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 07 13:13:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	50532	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	204233	20.00	ng	0.00
38) Acenaphthene-d10	14.71	164	118470	20.00	ng	0.00
63) Phenanthrene-d10	17.46	188	257885	20.00	ng	0.00
75) Chrysene-d12	21.72	240	288842	20.00	ng	0.00
86) Perylene-d12	24.96	264	307906	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	255407	85.30	ng	0.00
7) Phenol-d6	7.23	99	404677	91.57	ng	0.00
23) Nitrobenzene-d5	9.24	82	285216	66.38	ng	-0.01
41) 2,4,6-Tribromophenol	16.19	330	126108	83.15	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	635634	69.75	ng	0.00
78) Terphenyl-d14	20.06	244	897670	65.10	ng	0.00

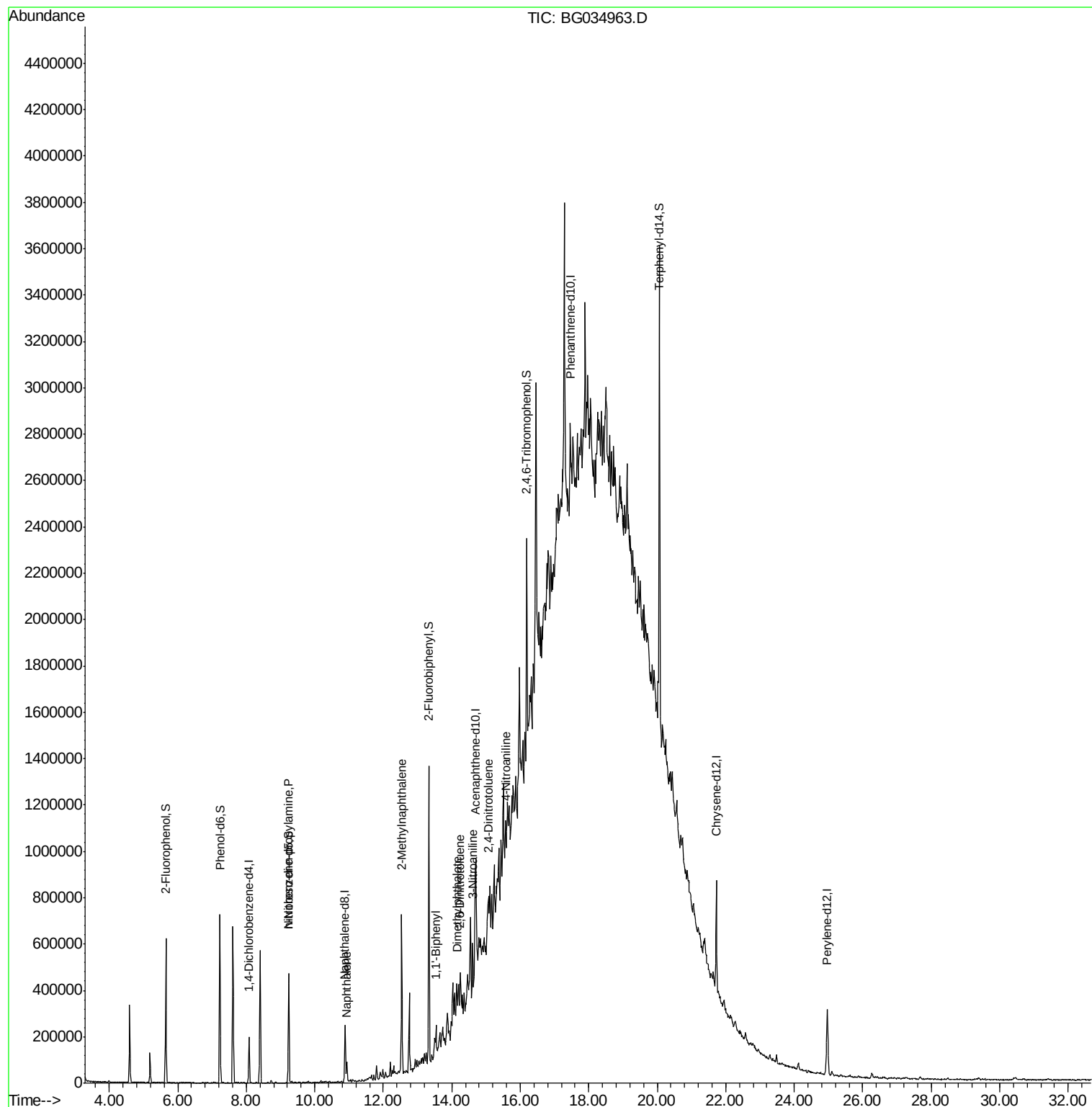
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.24	70	41840	11.14	ng	# 72
31) Naphthalene	10.94	128	66273	6.25	ng	97
37) 2-Methylnaphthalene	12.54	142	301551	37.49	ng	91
45) 1,1'-Biphenyl	13.54	154	21856	2.29	ng	92
49) Dimethylphthalate	14.15	163	29992	2.90	ng	# 85
50) 2,6-Dinitrotoluene	14.24	165	15358	8.15	ng	# 25
52) 3-Nitroaniline	14.62	138	4127	2.23	ng	# 34
56) 2,4-Dinitrotoluene	15.06	165	6909	2.76	ng	# 37
61) 4-Nitroaniline	15.59	138	4471	2.25	ng	85

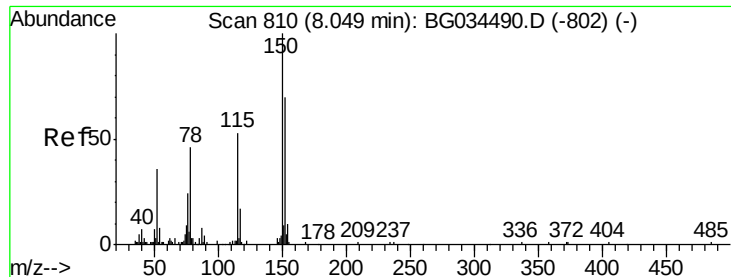
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 816

Delta R.T. -0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

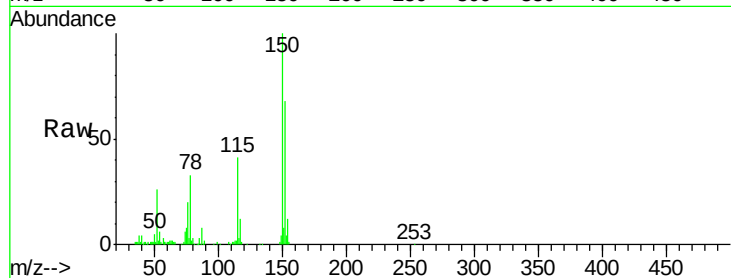
Tot Ion:152 Resp: 50532

Ion Ratio Lower Upper

152 100

150 147.7 126.6 189.8

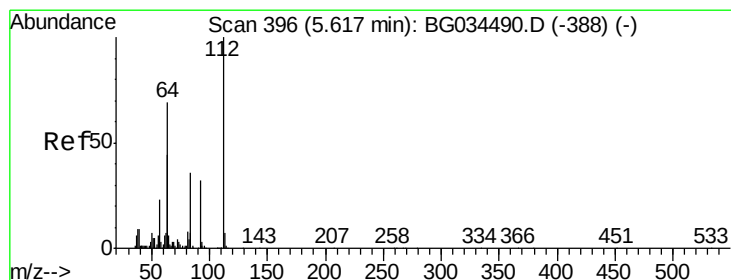
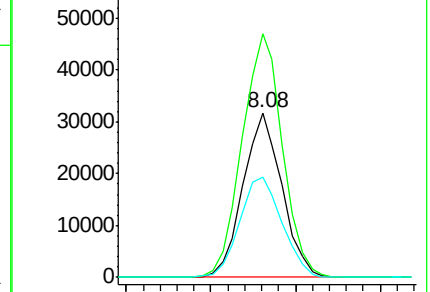
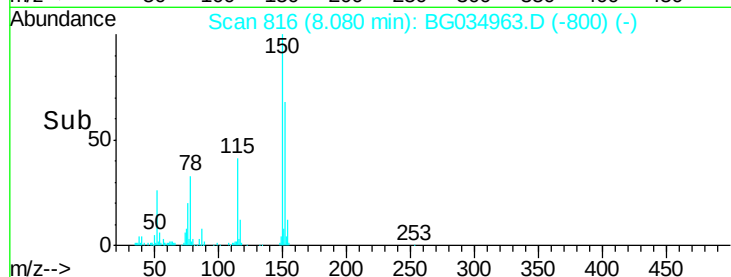
115 60.8 53.0 79.4



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



#5

2-Fluorophenol

Concen: 85.30 ng

RT: 5.65 min Scan# 402

Delta R.T. -0.00 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

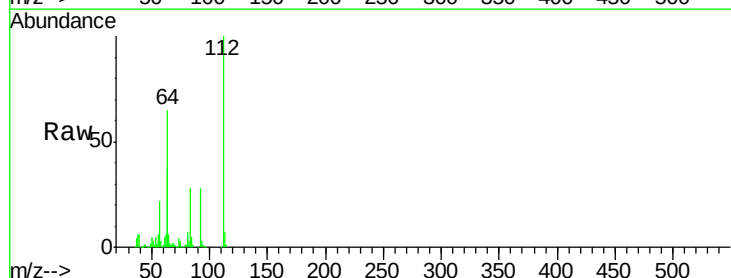
Tgt Ion:112 Resp: 255407

Ion Ratio Lower Upper

112 100

64 64.5 56.3 84.5

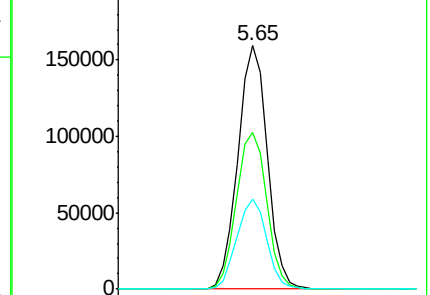
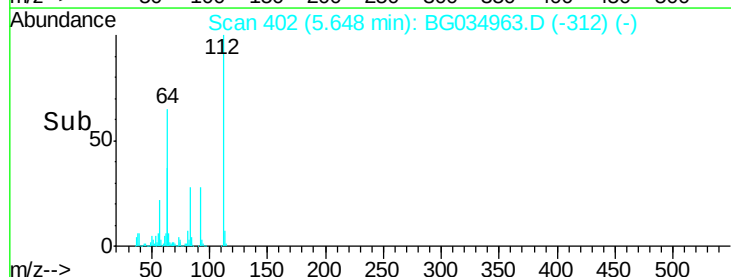
63 37.1 30.1 45.1

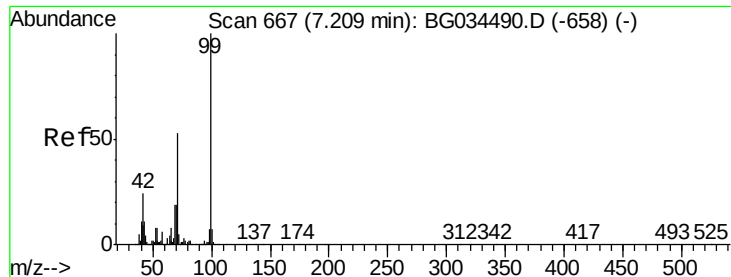


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 91.57 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

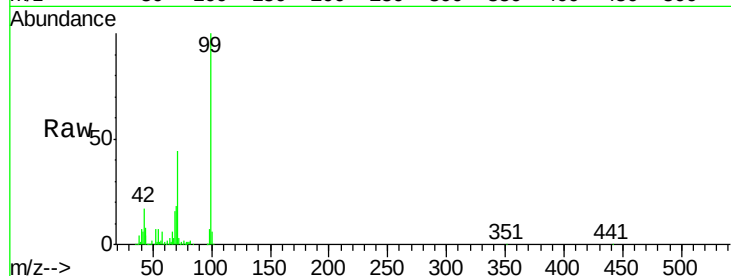
Tot Ion: 99 Resp: 404677

Ion Ratio Lower Upper

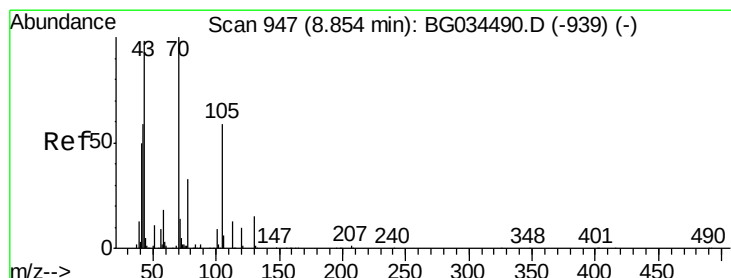
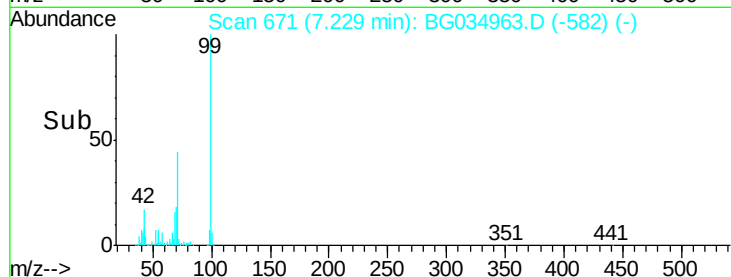
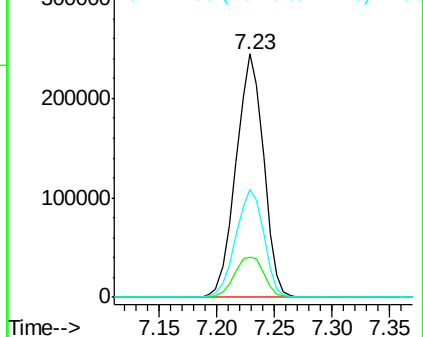
99 100

42 16.7 14.1 21.1

71 44.3 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: 11.14 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Tgt Ion: 70 Resp: 41840

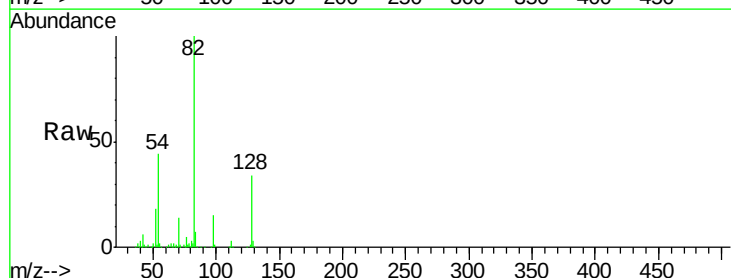
Ion Ratio Lower Upper

70 100

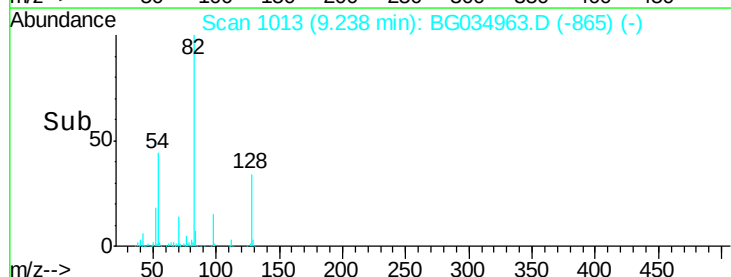
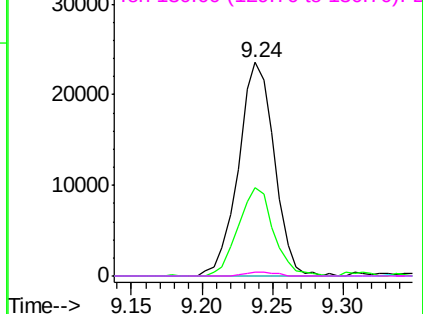
42 41.5 49.1 73.7#

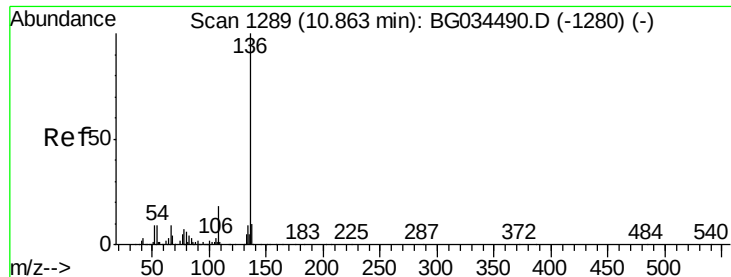
101 0.0 8.5 12.7#

130 1.5 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

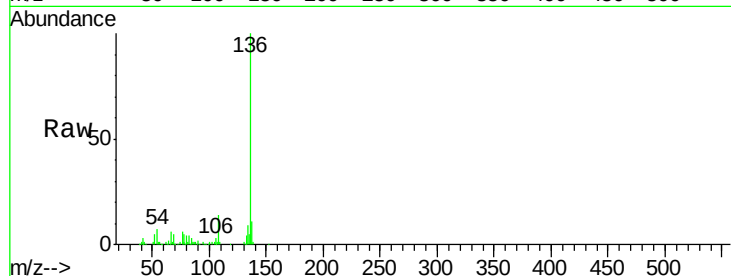




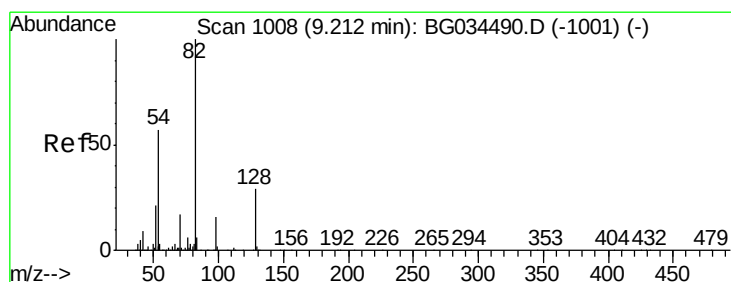
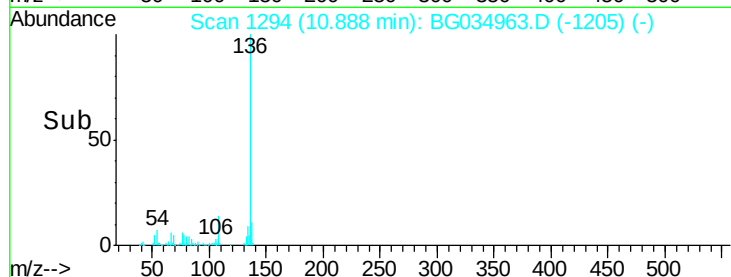
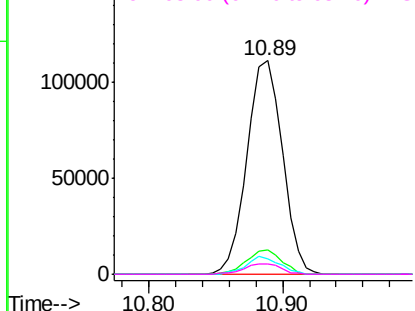
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG034963.D
Acq: 7 Jun 2018 21:58

Instrument :
BNA_G
ClientSampleId :
HS-YARD-1

Tot Ion:136	Resp:	204233	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.2	13.8	
54 7.2	10.3	15.5#	
68 5.1	4.5	6.7	

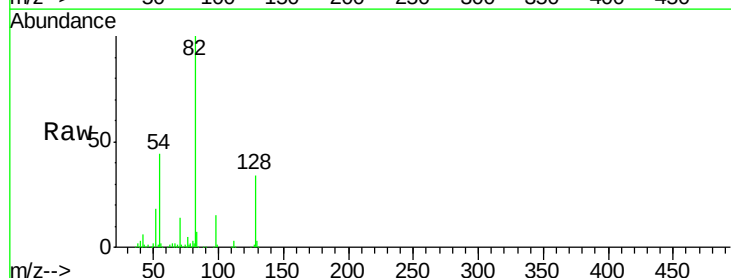


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

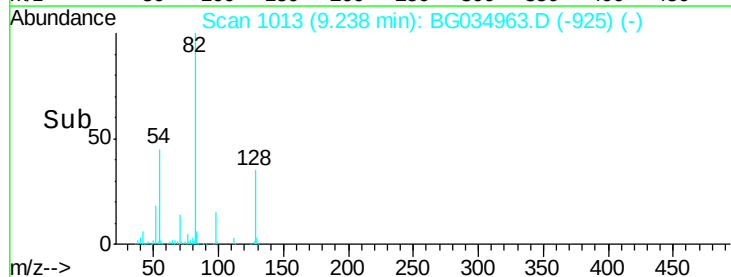
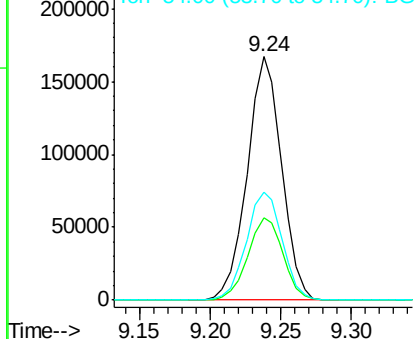


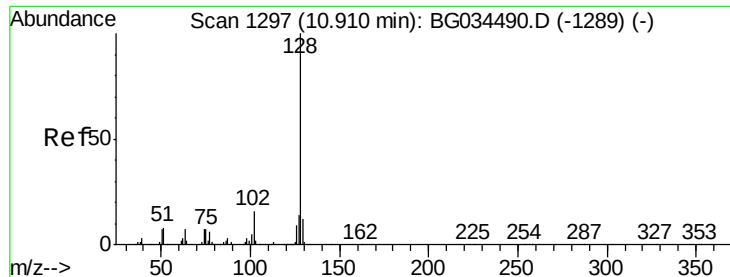
#23
Nitrobenzene-d5
Concen: 66.38 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034963.D
Acq: 7 Jun 2018 21:58

Tgt	Ion: 82	Resp:	285216
Ion	Ratio	Lower	Upper
82	100		
128	34.0	29.7	44.5
54	44.1	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

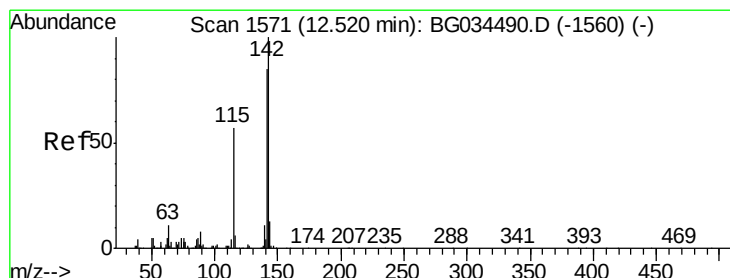
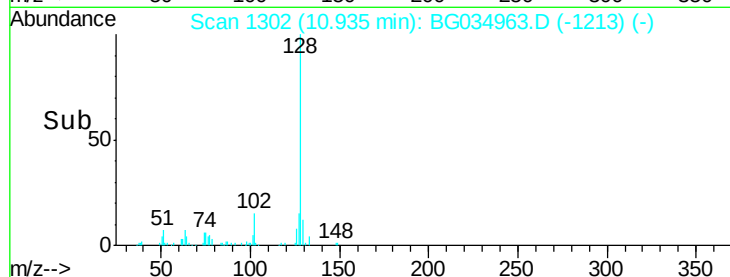
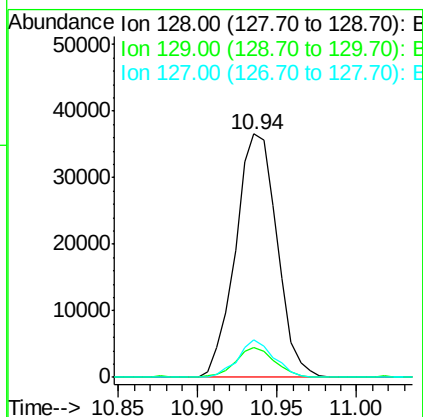
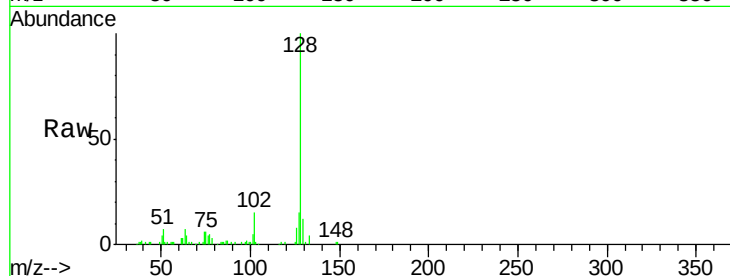




#31
Naphthalene
Concen: 6.25 ng
RT: 10.94 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BG034963.D
Acq: 7 Jun 2018 21:58

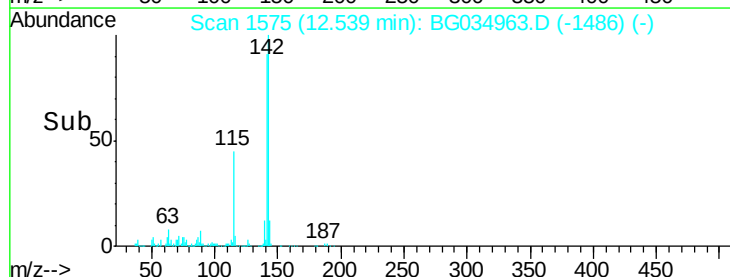
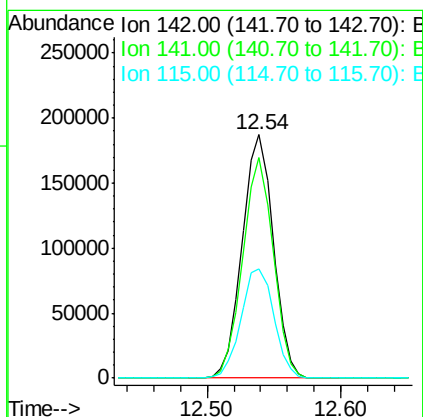
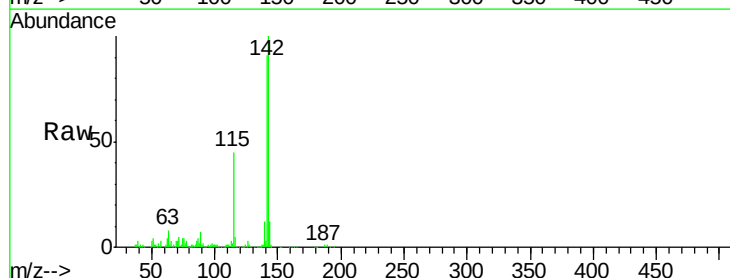
Instrument :
BNA_G
ClientSampleId :
HS-YARD-1

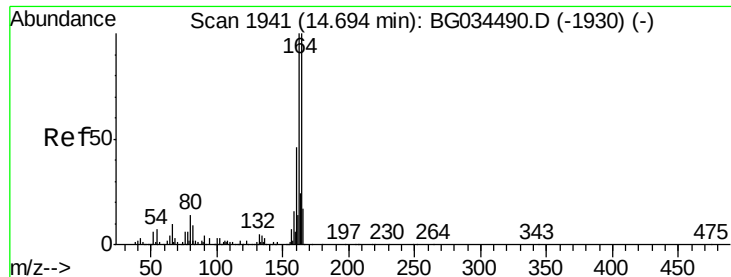
Tot Ion:128 Resp: 66273
Ion Ratio Lower Upper
128 100
129 12.4 8.6 12.8
127 15.5 11.6 17.4



#37
2-Methylnaphthalene
Concen: 37.49 ng
RT: 12.54 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BG034963.D
Acq: 7 Jun 2018 21:58

Tgt Ion:142 Resp: 301551
Ion Ratio Lower Upper
142 100
141 90.8 67.1 100.7
115 44.9 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

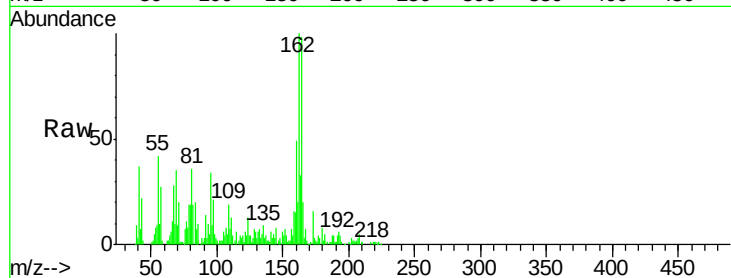
Tot Ion:164 Resp: 118470

Ion Ratio Lower Upper

164 100

162 101.8 78.8 118.2

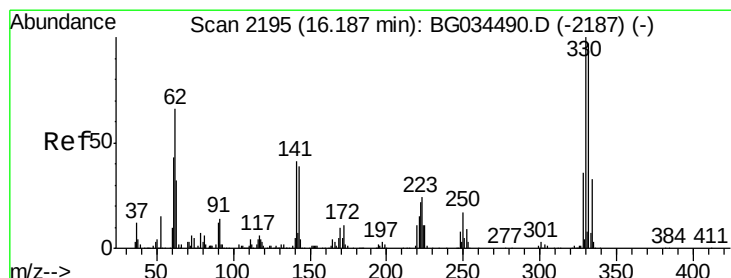
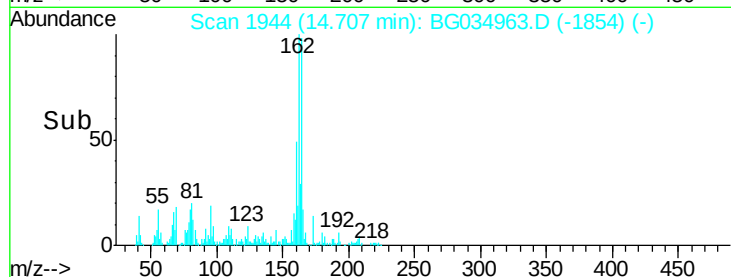
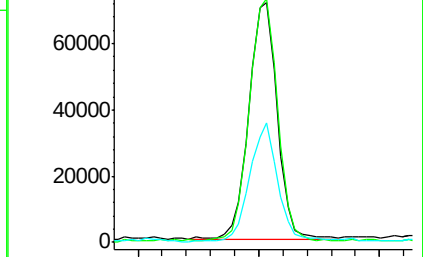
160 50.0 35.4 53.0



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: 83.15 ng

RT: 16.19 min Scan# 2197

Delta R.T. -0.00 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

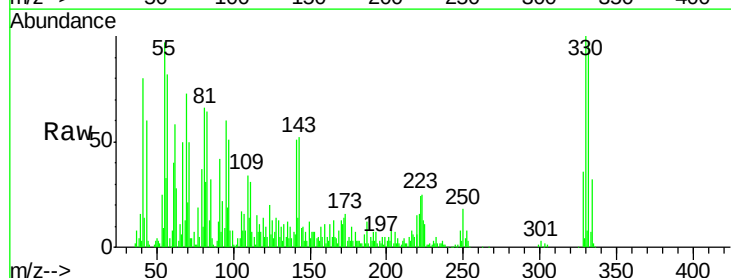
Tgt Ion:330 Resp: 126108

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

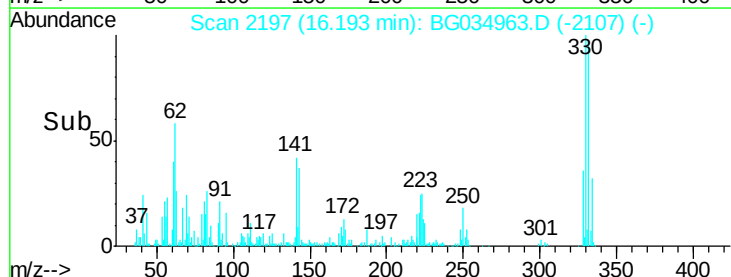
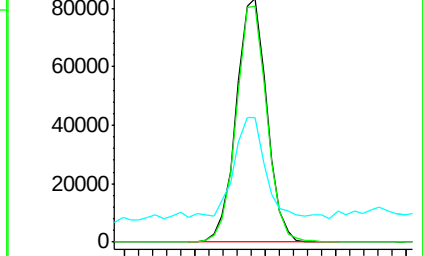
141 40.5 25.2 37.8#

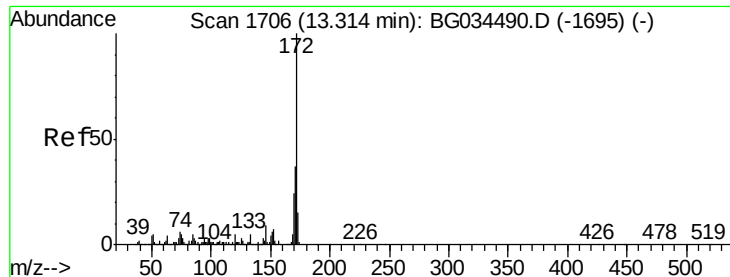


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 69.75 ng

RT: 13.33 min Scan# 1710

Delta R.T. -0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampled :

HS-YARD-1

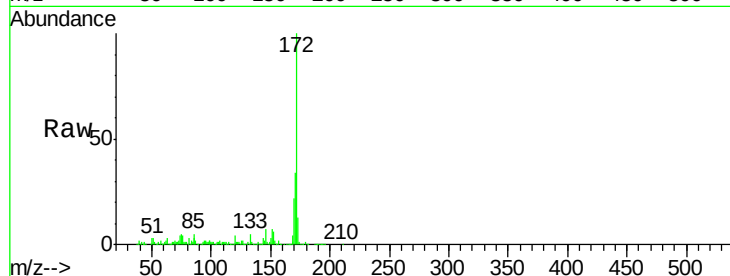
Tot Ion:172 Resp: 635634

Ion Ratio Lower Upper

172 100

171 33.5 30.0 45.0

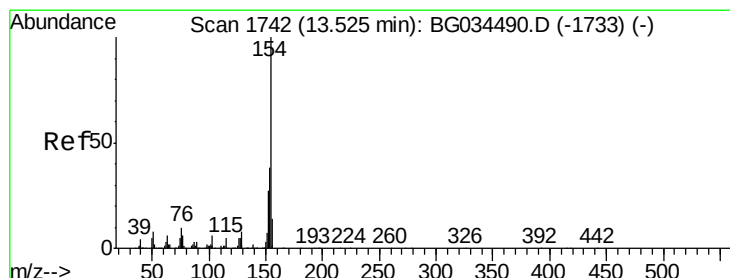
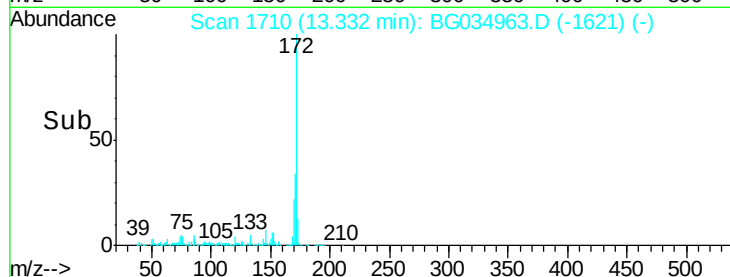
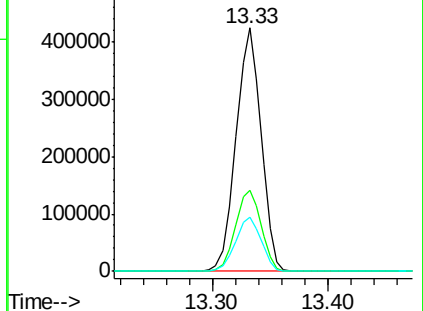
170 22.5 19.5 29.3



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



#45

1,1'-Biphenyl

Concen: 2.29 ng

RT: 13.54 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

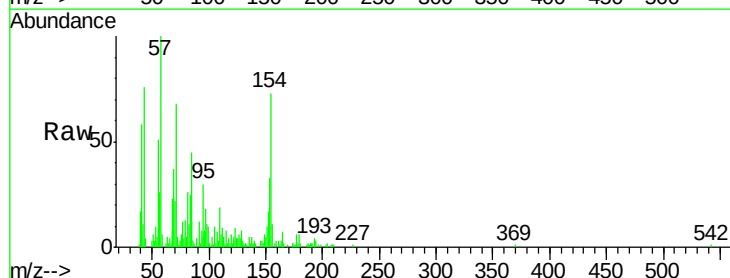
Tgt Ion:154 Resp: 21856

Ion Ratio Lower Upper

154 100

153 44.7 19.8 59.8

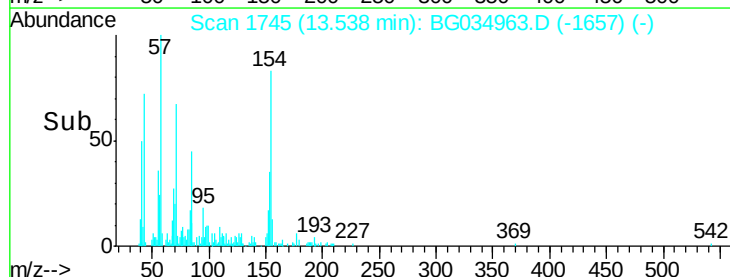
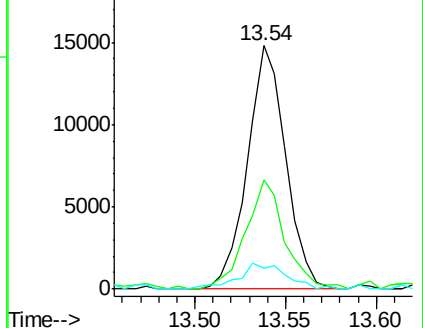
76 8.6 0.0 31.9

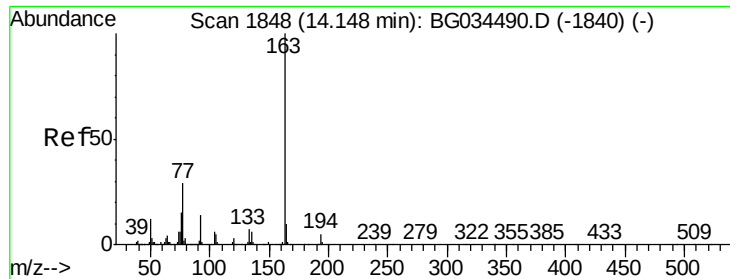


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#49

Dimethylphthalate

Concen: 2.90 ng

RT: 14.15 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

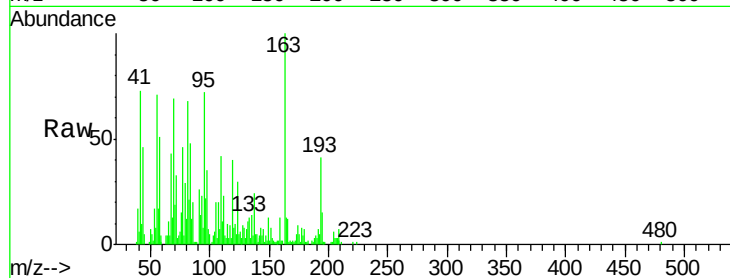
Tot Ion:163 Resp: 29992

Ion Ratio Lower Upper

163 100

194 14.9 3.4 5.2#

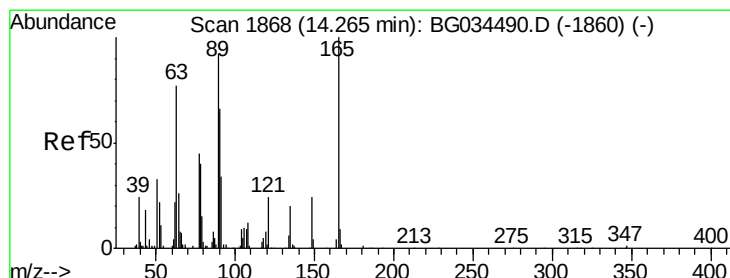
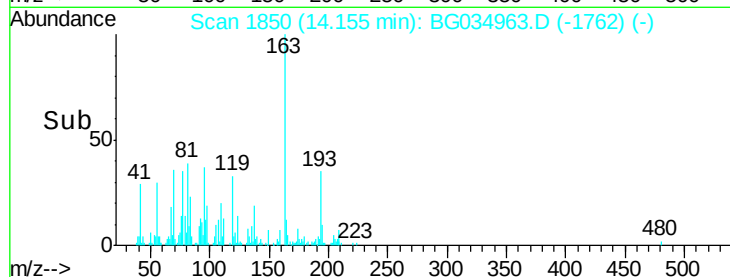
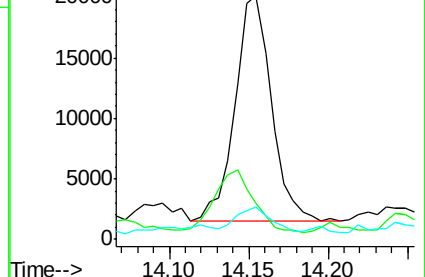
164 13.1 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.15 ng

RT: 14.24 min Scan# 1864

Delta R.T. -0.04 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

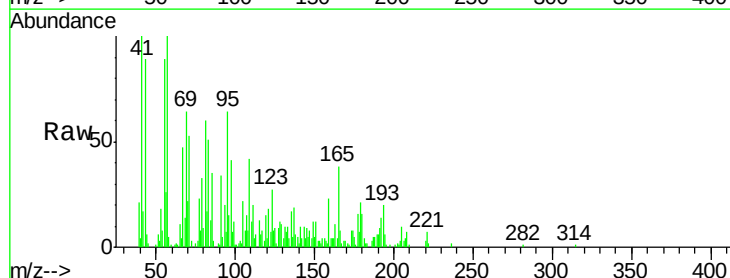
Tgt Ion:165 Resp: 15358

Ion Ratio Lower Upper

165 100

63 4.5 52.7 79.1#

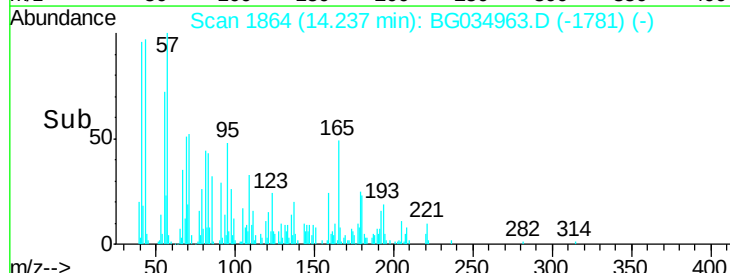
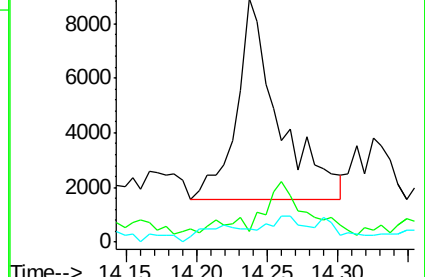
89 5.2 49.2 73.8#

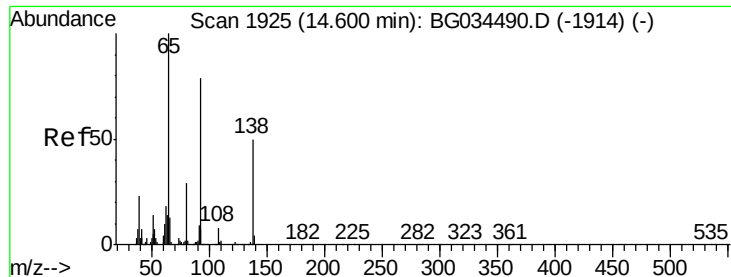


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

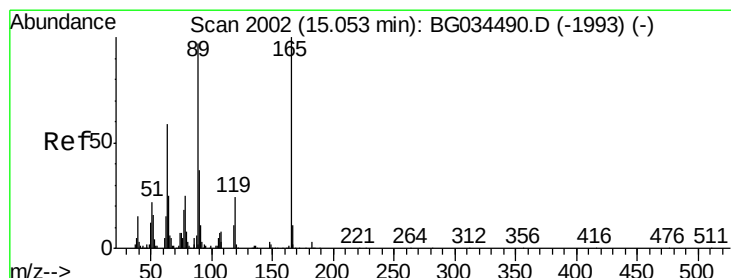
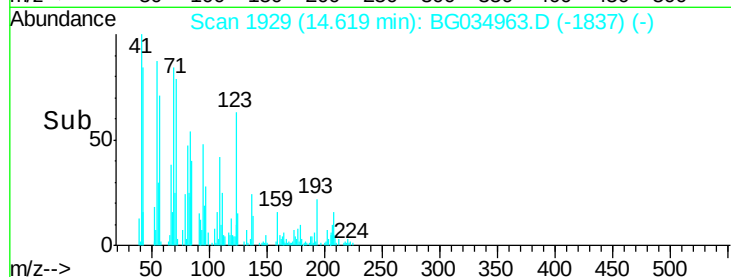
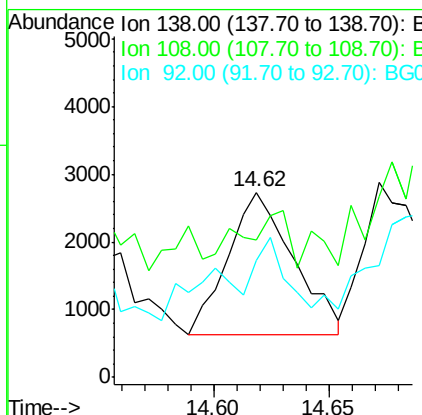
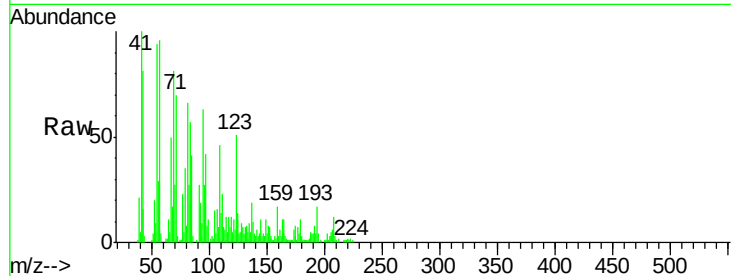




#52
3-Nitroaniline
Concen: 2.23 ng
RT: 14.62 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BG034963.D
Acq: 7 Jun 2018 21:58

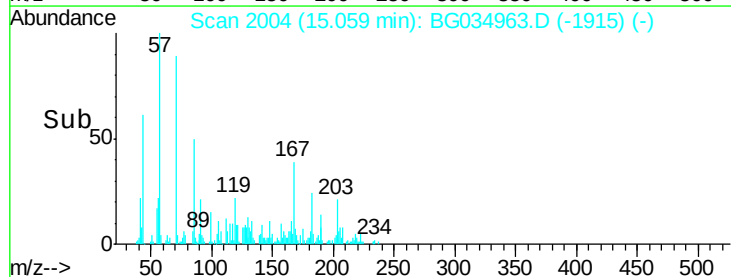
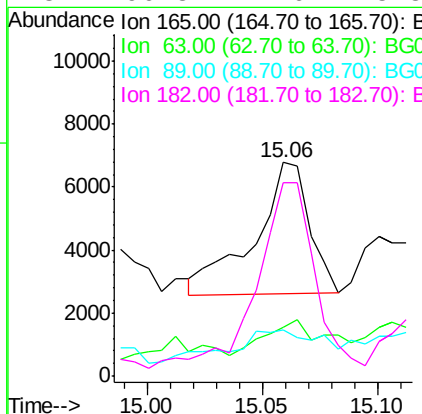
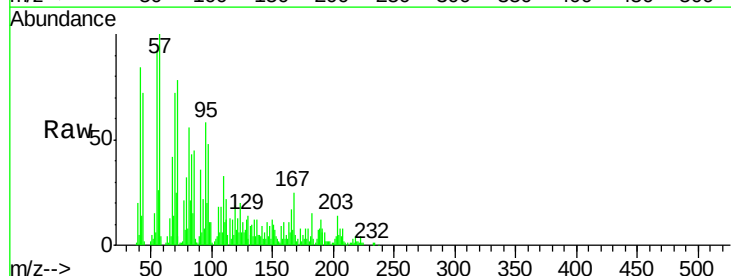
Instrument :
BNA_G
ClientSampleId :
HS-YARD-1

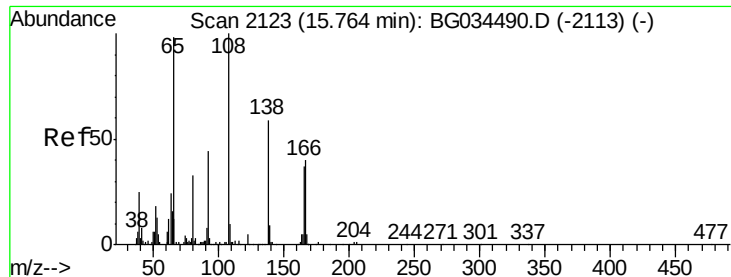
Tot Ion:138 Resp: 4127
Ion Ratio Lower Upper
138 100
108 73.9 17.5 26.3#
92 63.1 105.8 158.8#



#56
2,4-Dinitrotoluene
Concen: 2.76 ng
RT: 15.06 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BG034963.D
Acq: 7 Jun 2018 21:58

Tgt Ion:165 Resp: 6909
Ion Ratio Lower Upper
165 100
63 22.7 42.0 63.0#
89 21.3 66.9 100.3#
182 90.3 2.6 3.8#





#61

4-Nitroaniline

Concen: 2.25 ng

RT: 15.59 min Scan# 2094

Delta R.T. -0.19 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

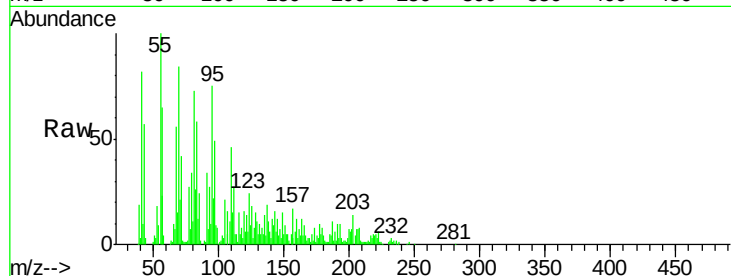
Tot Ion:138 Resp: 4471

Ion Ratio Lower Upper

138 100

92 70.0 40.1 80.1

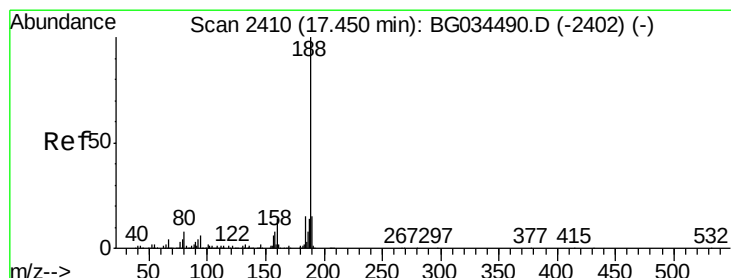
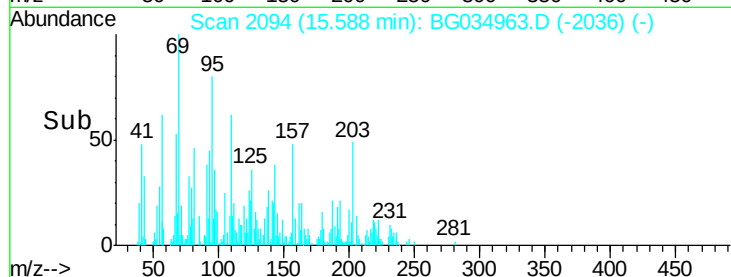
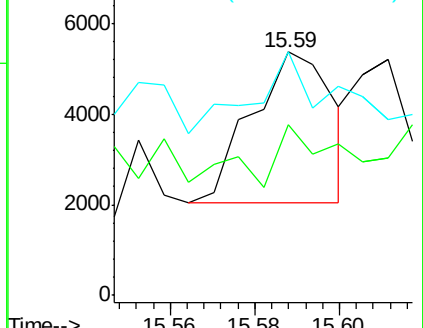
108 99.9 65.4 105.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.46 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

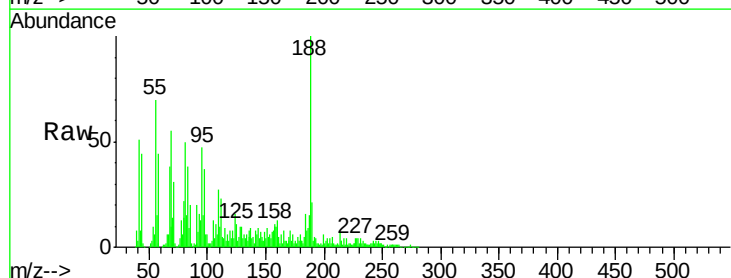
Tgt Ion:188 Resp: 257885

Ion Ratio Lower Upper

188 100

94 12.7 6.9 10.3#

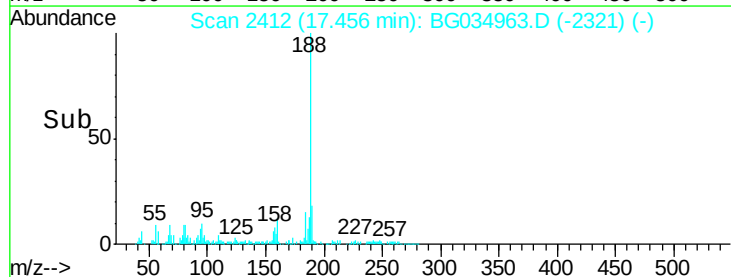
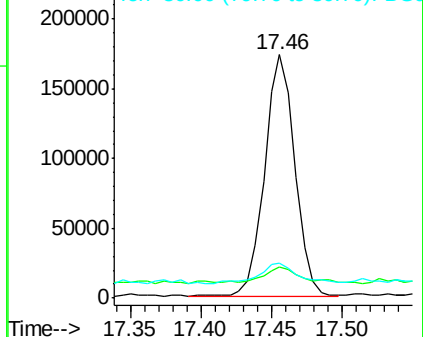
80 14.3 7.7 11.5#

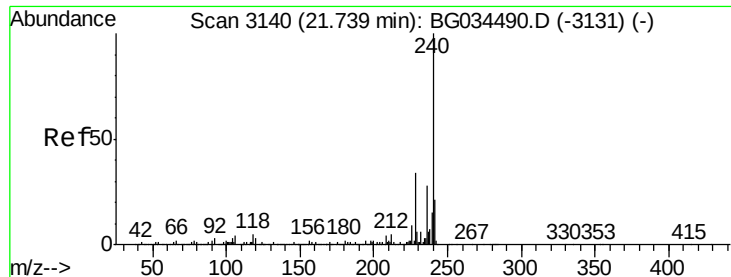


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.72 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

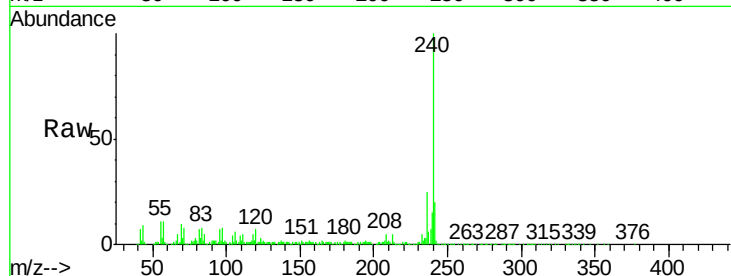
Tot Ion:240 Resp: 288842

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

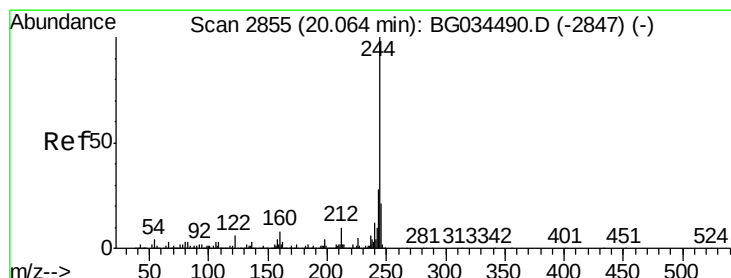
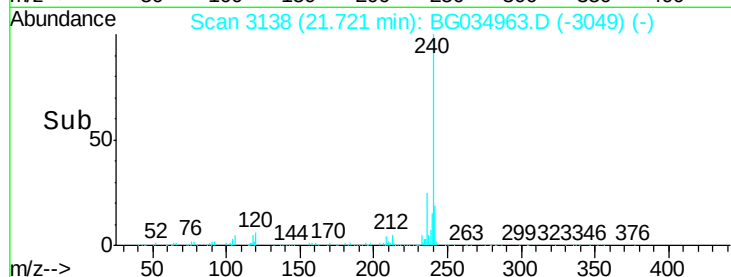
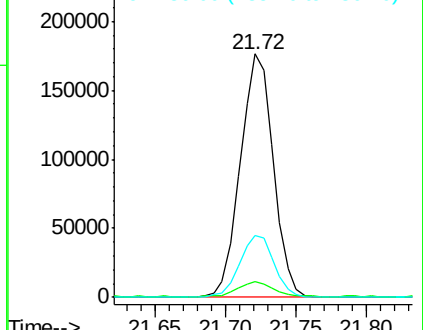
236 25.4 20.9 31.3



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



#78

Terphenyl-d14

Concen: 65.10 ng

RT: 20.06 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG034963.D

Acq: 7 Jun 2018 21:58

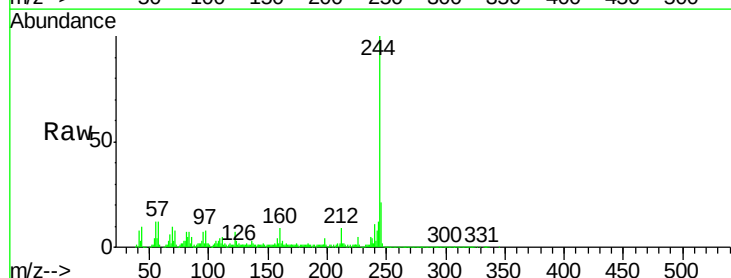
Tgt Ion:244 Resp: 897670

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

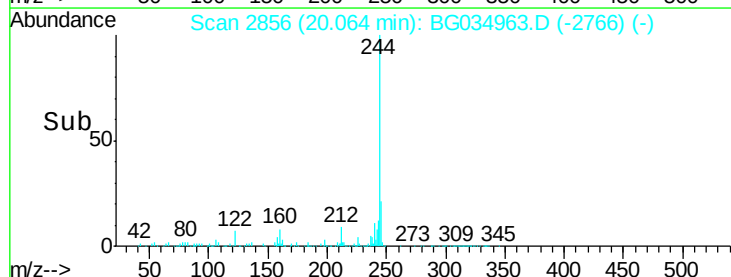
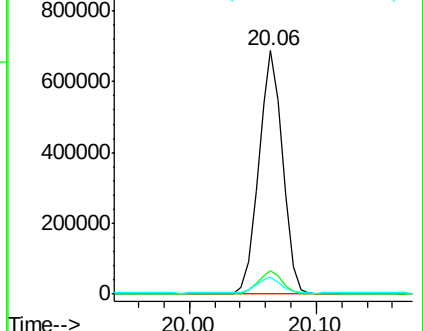
122 7.1 7.0 10.4

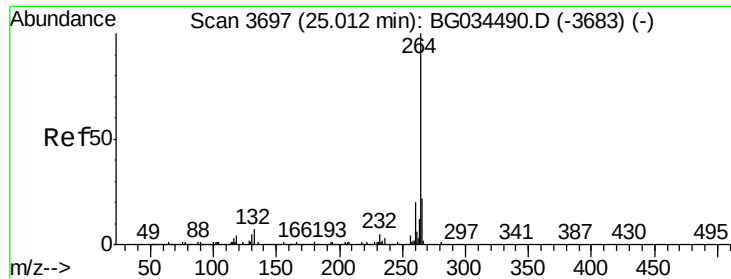


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

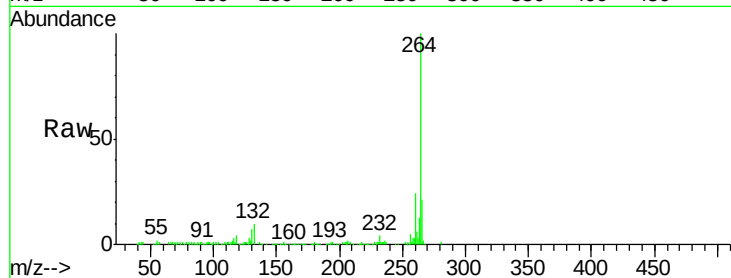




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 24.96 min Scan# 3690
 Delta R.T. -0.02 min
 Lab File: BG034963.D
 Acq: 7 Jun 2018 21:58

Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.7	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 150000
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

