

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034978.D
 Acq On : 8 Jun 2018 8:27
 Operator : SJ/JU
 Sample : J3344-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-1

Quant Time: Jun 08 12:26:57 2018
 Quant Method : Z:\SVOASRV\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

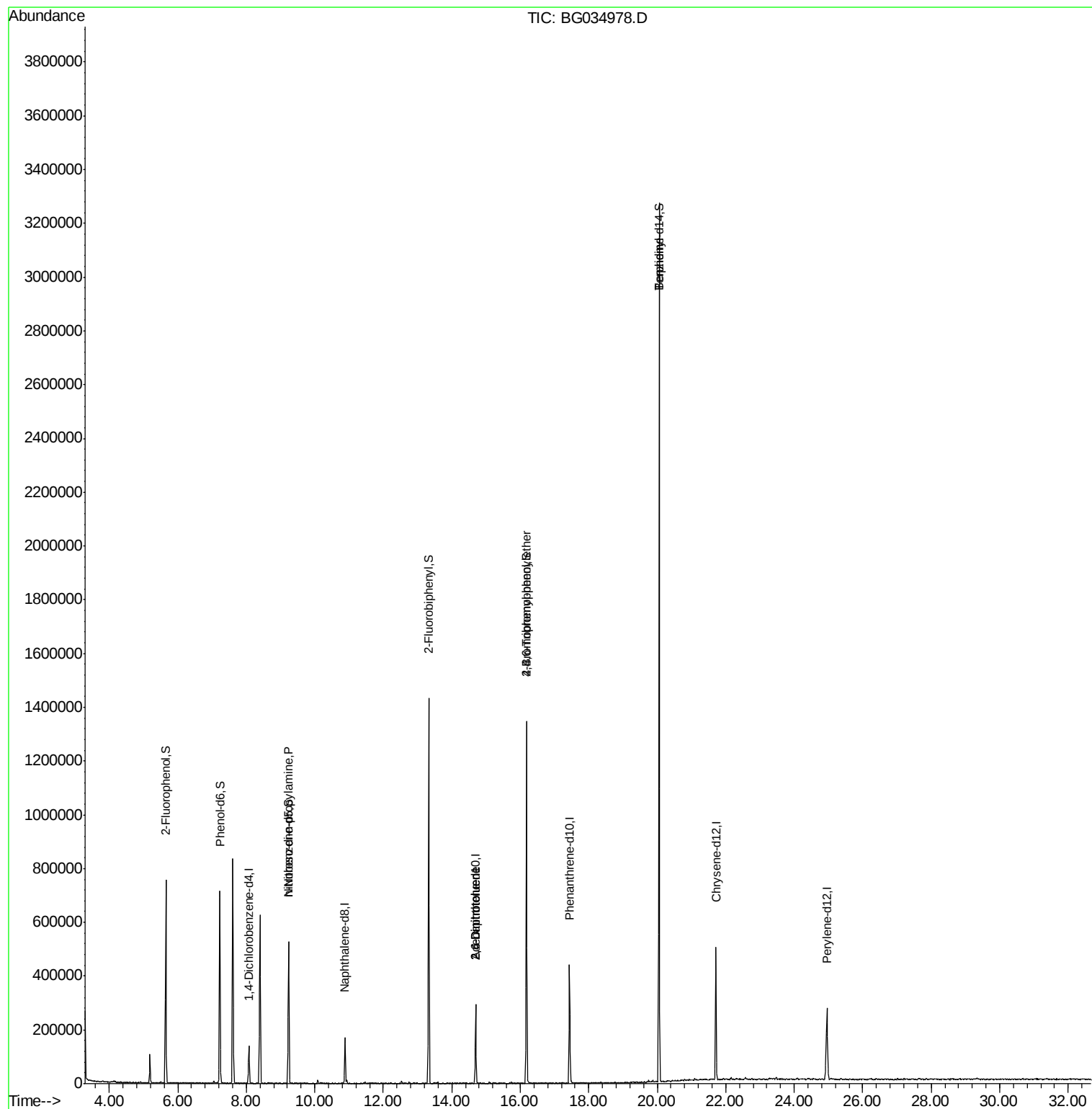
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38192	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	138606	20.00	ng	-0.01
38) Acenaphthene-d10	14.70	164	96854	20.00	ng	-0.01
63) Phenanthrene-d10	17.44	188	274840	20.00	ng	-0.01
75) Chrysene-d12	21.71	240	306229	20.00	ng	-0.02
86) Perylene-d12	24.95	264	296522	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	316206	139.72	ng	0.00
7) Phenol-d6	7.23	99	414812	124.19	ng	0.00
23) Nitrobenzene-d5	9.23	82	337563	115.77	ng	-0.02
41) 2,4,6-Tribromophenol	16.18	330	225811	182.13	ng	-0.01
44) 2-Fluorobiphenyl	13.33	172	760017	102.01	ng	-0.01
78) Terphenyl-d14	20.05	244	1486837	101.70	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	47299	16.668	ng	# 69
50) 2,6-Dinitrotoluene	14.70	165	14398	9.344	ng	# 22
56) 2,4-Dinitrotoluene	14.70	165	14398	7.034	ng	# 20
66) 4-Bromophenyl-phenylether	16.18	248	17917	5.413	ng	# 1
76) Benzidine	20.05	184	28254	2.480	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: 8.08 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

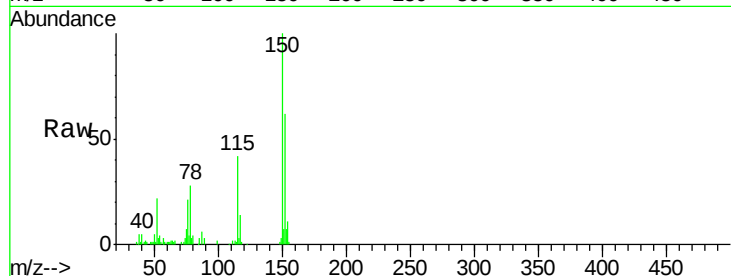
Tot Ion:152 Resp: 38192

Ion Ratio Lower Upper

152 100

150 160.1 126.6 189.8

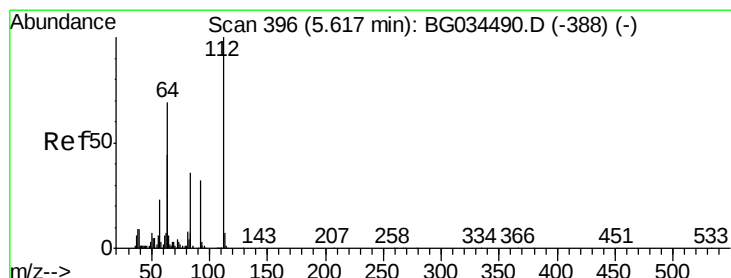
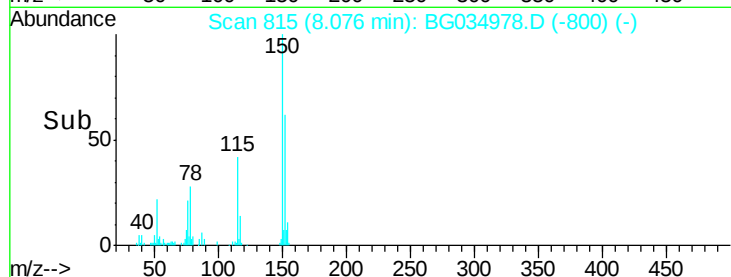
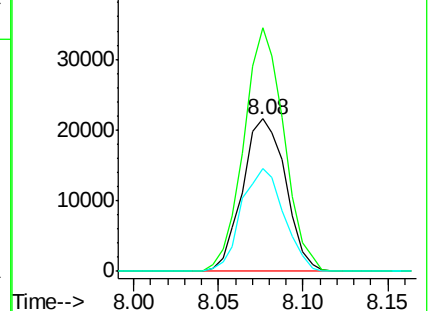
115 67.8 53.0 79.4



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: 139.723 ng

RT: 5.65 min Scan# 402

Delta R.T. 0.00 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

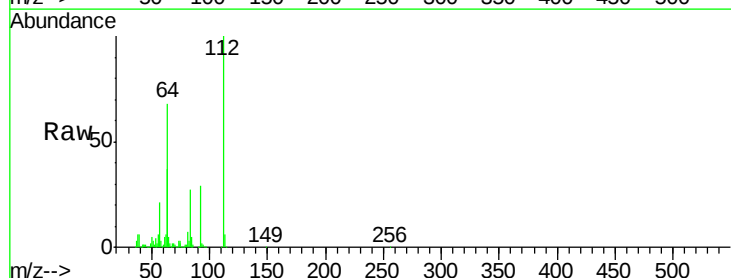
Tgt Ion:112 Resp: 316206

Ion Ratio Lower Upper

112 100

64 67.8 56.3 84.5

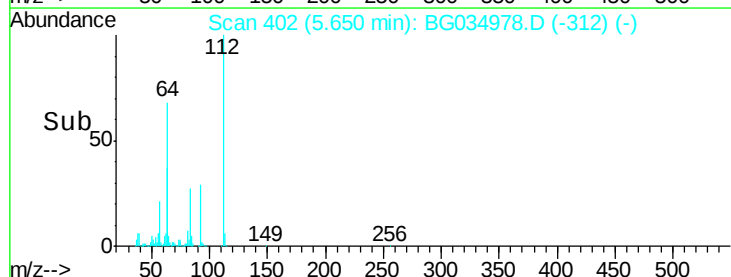
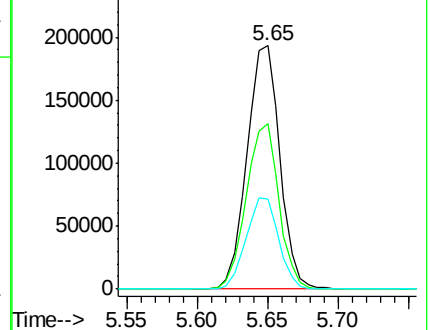
63 37.2 30.1 45.1



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: 124.189 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

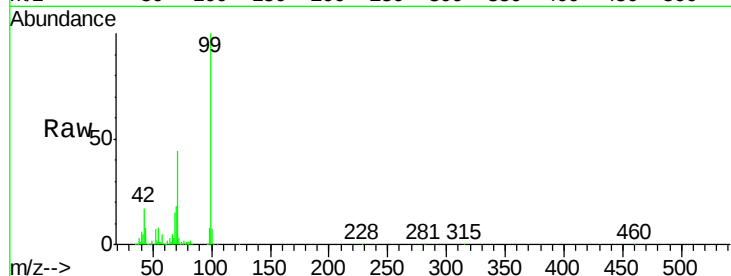
Tot Ion: 99 Resp: 414812

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

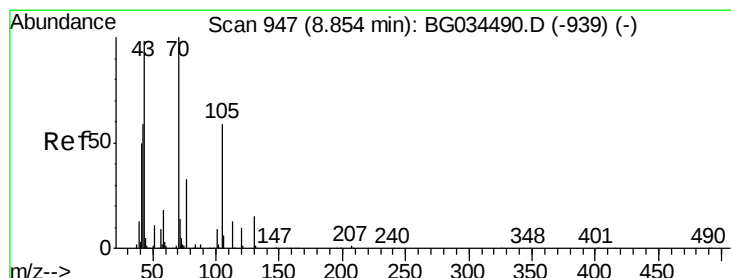
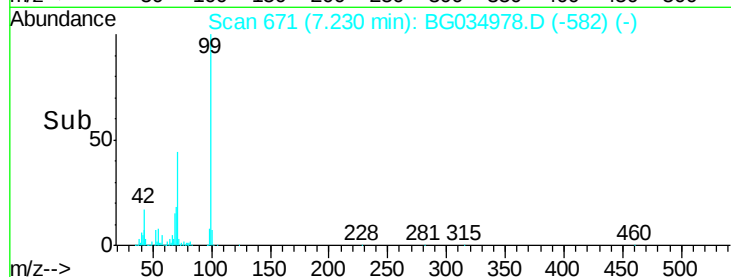
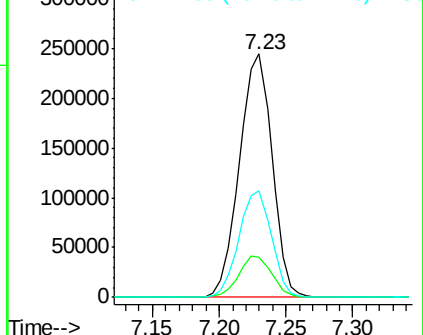
71 43.8 26.1 39.1#



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: 16.668 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Tgt Ion: 70 Resp: 47299

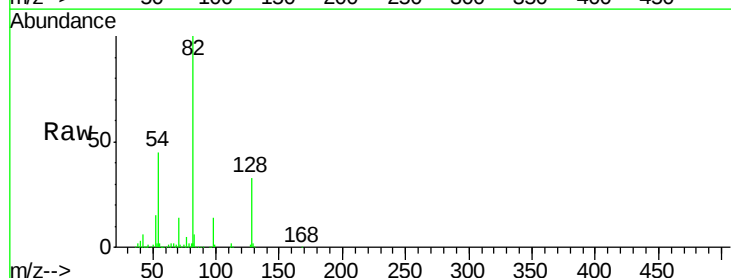
Ion Ratio Lower Upper

70 100

42 38.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#

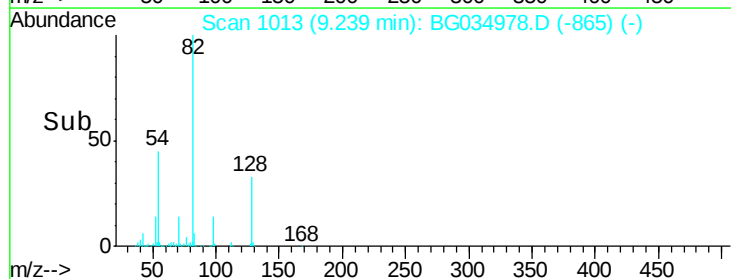
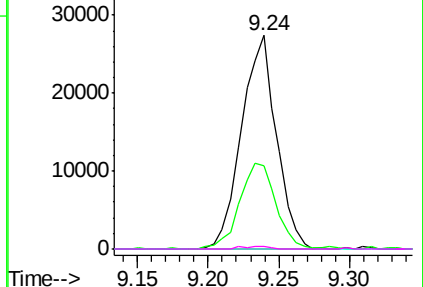


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

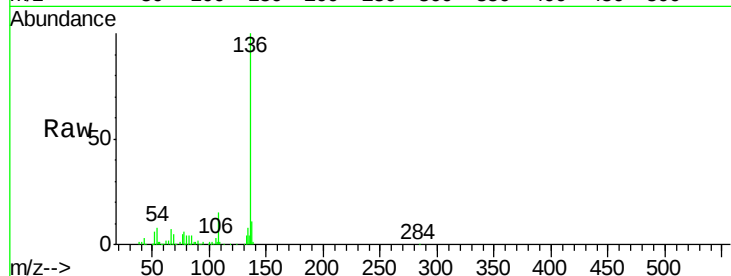




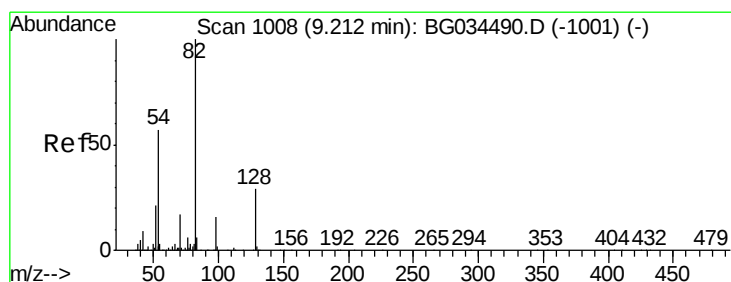
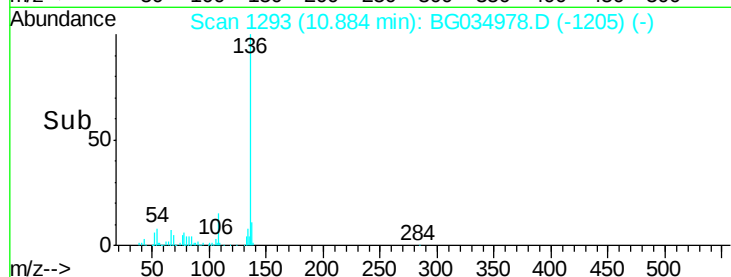
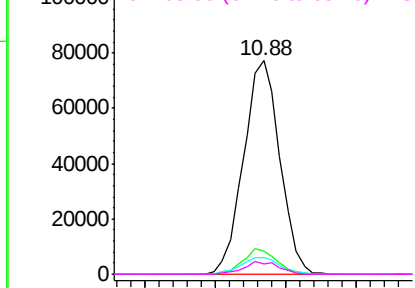
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

Instrument :
BNA_G
ClientSampleId :
HS-YARD-1

Tot Ion:	136	Resp:	138606
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	8.0	10.3	15.5#
68	5.1	4.5	6.7

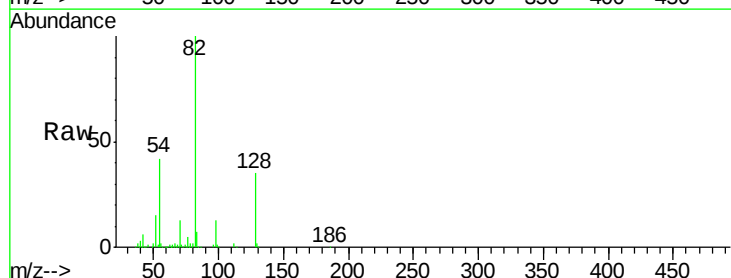


Abundance Ion 136.00 (135.70 to 136.70): E
120000
Ion 137.00 (136.70 to 137.70): E
100000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

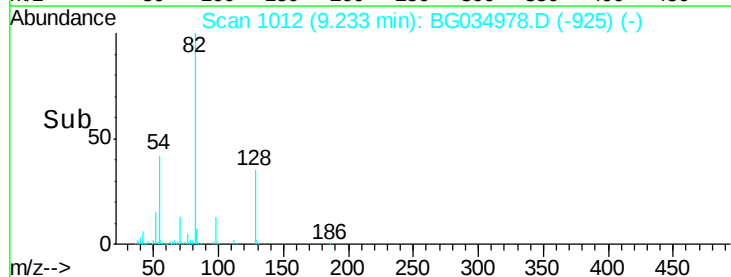
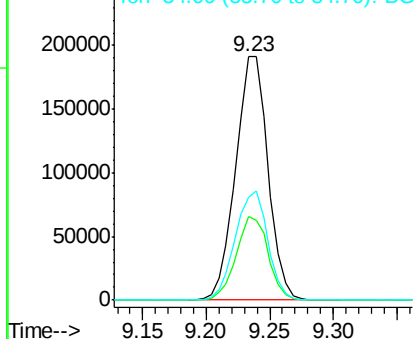


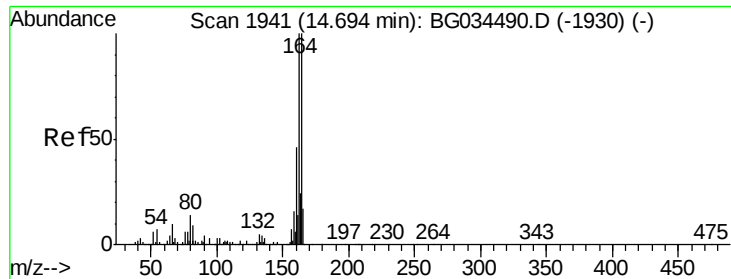
#23
Nitrobenzene-d5
Concen: 115.766 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

Tgt Ion:	82	Resp:	337563
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.7	44.5
54	42.4	43.1	64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
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: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

Instrument :

BNA_G

ClientSampleId :

HS-YARD-1

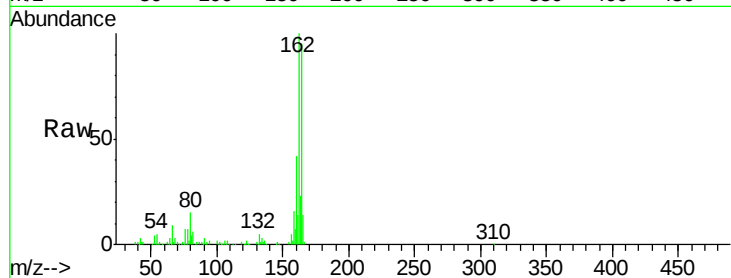
Tot Ion:164 Resp: 96854

Ion Ratio Lower Upper

164 100

162 104.8 78.8 118.2

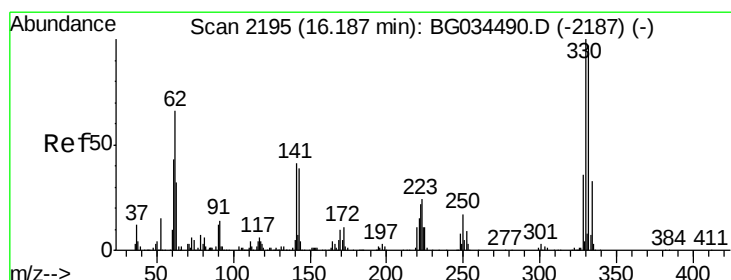
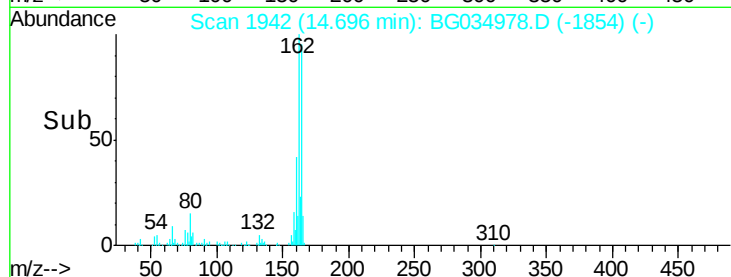
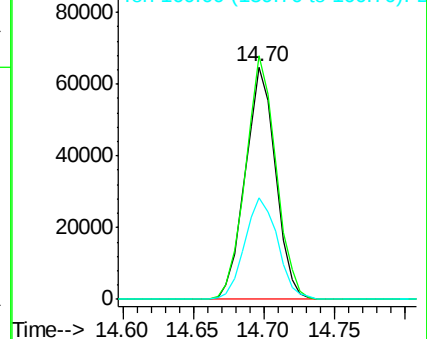
160 43.7 35.4 53.0



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: 182.127 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG034978.D

Acq: 8 Jun 2018 8:27

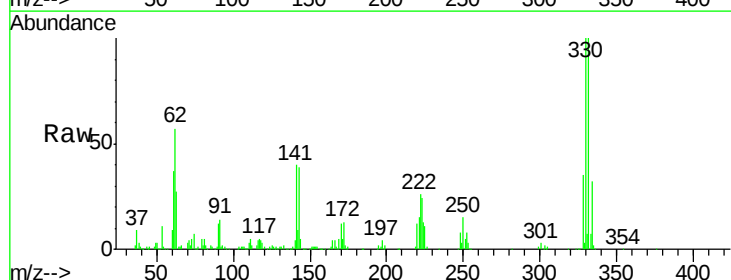
Tgt Ion:330 Resp: 225811

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

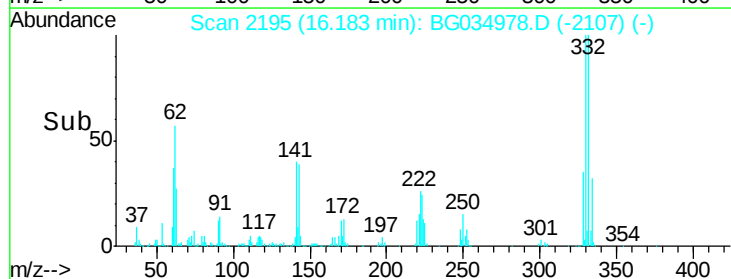
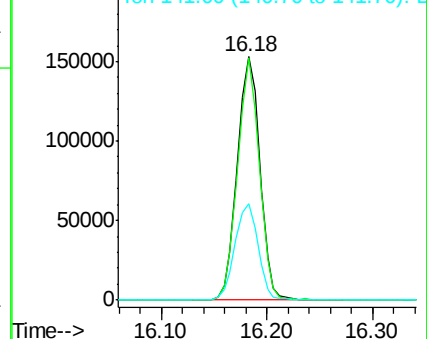
141 40.6 25.2 37.8#

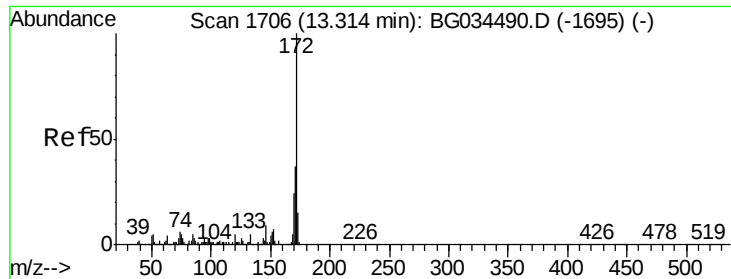


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

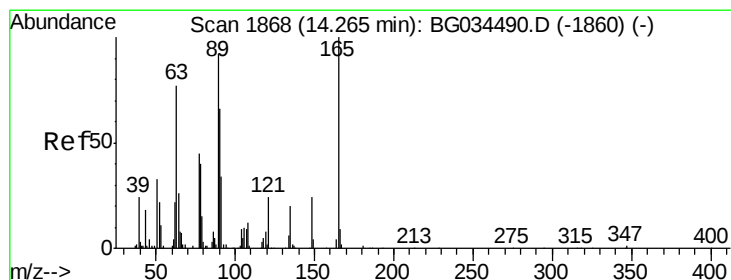
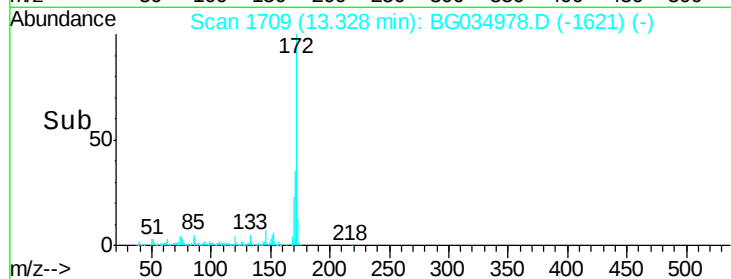
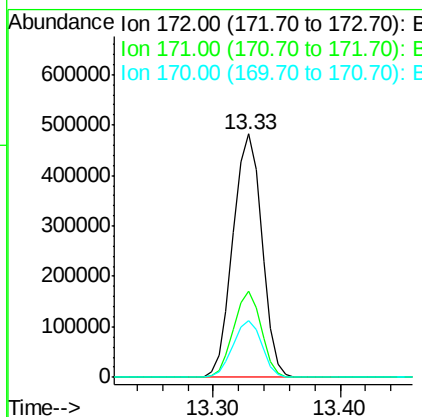
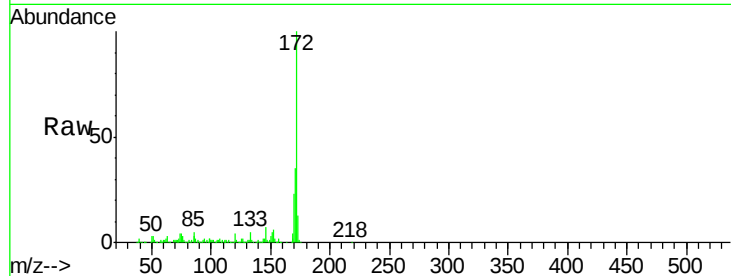




#44
 2-Fluorobiphenyl
 Concen: 102.011 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG034978.D
 Acq: 8 Jun 2018 8:27

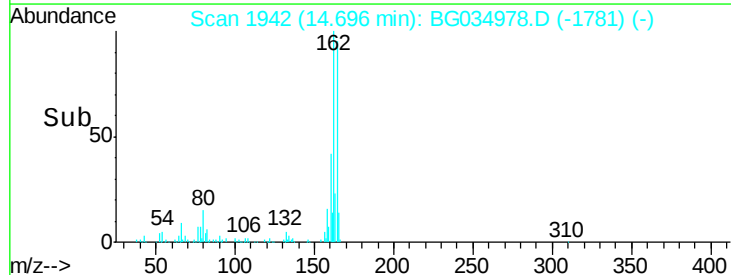
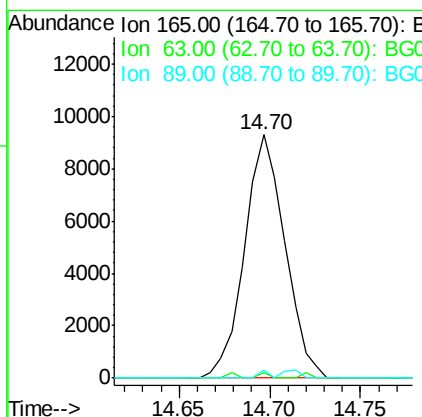
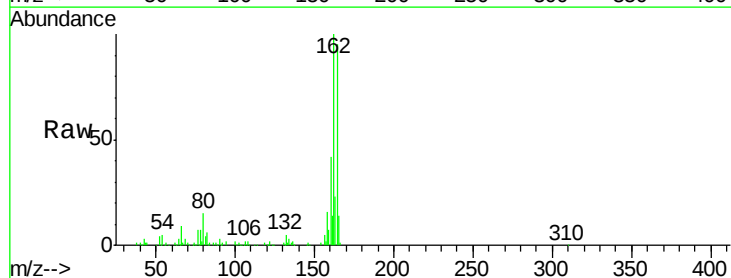
Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-1

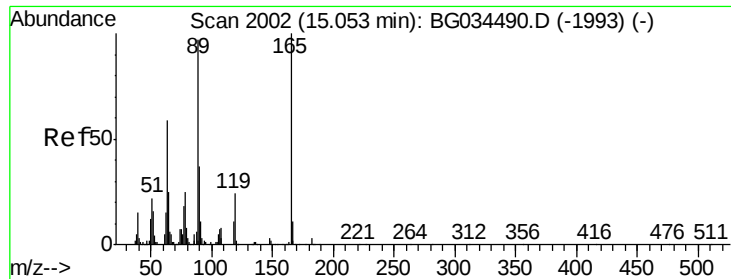
Tot Ion:172 Resp: 760017
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.0 45.0
 170 23.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 9.344 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.42 min
 Lab File: BG034978.D
 Acq: 8 Jun 2018 8:27

Tgt Ion:165 Resp: 14398
 Ion Ratio Lower Upper
 165 100
 63 2.5 52.7 79.1#
 89 3.6 49.2 73.8#

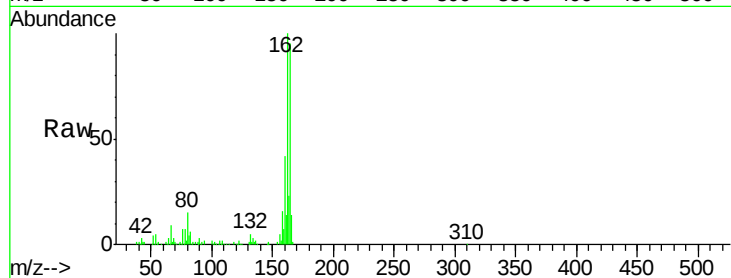




#56
2,4-Dinitrotoluene
Concen: 7.034 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.37 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

Instrument :
BNA_G
ClientSampleId :
HS-YARD-1

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.5	42.0	63.0#
89	3.6	66.9	100.3#
182	0.0	2.6	3.8#

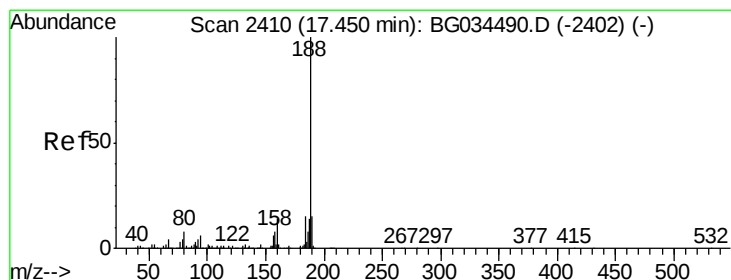
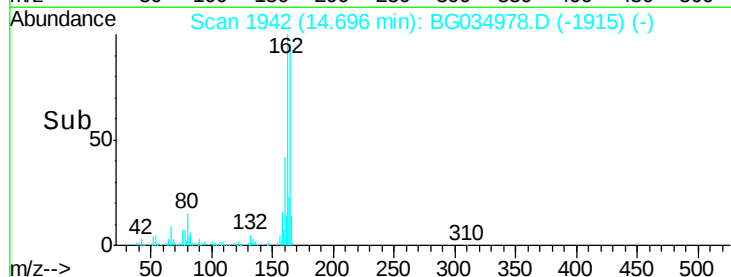
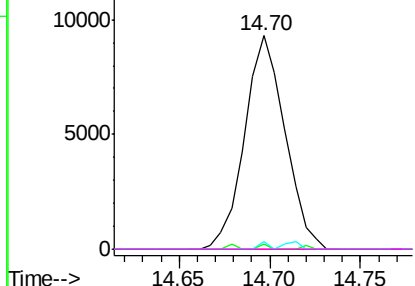


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

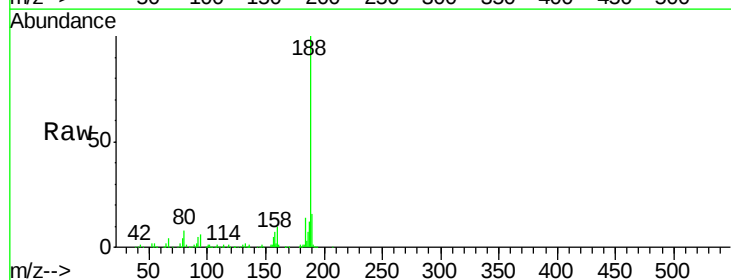
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

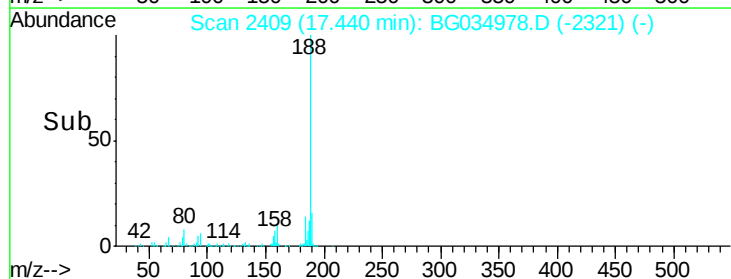
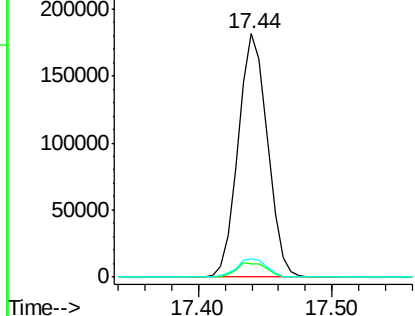
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.7	6.9	10.3#
80	7.7	7.7	11.5#

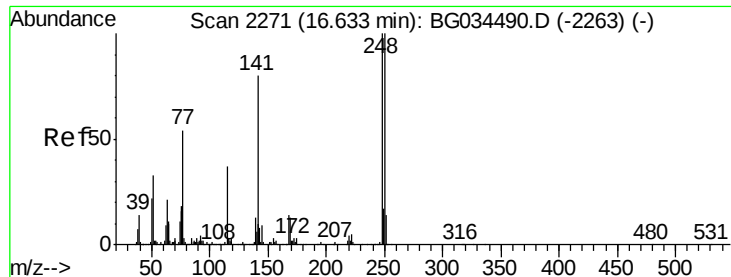


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

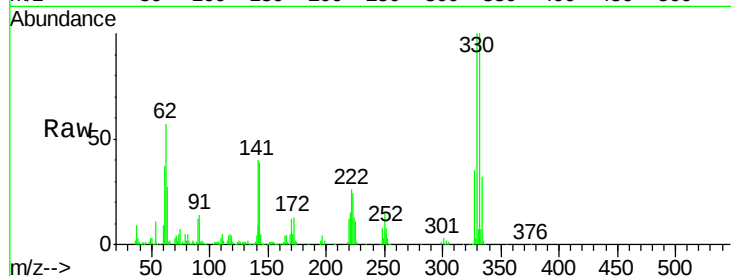




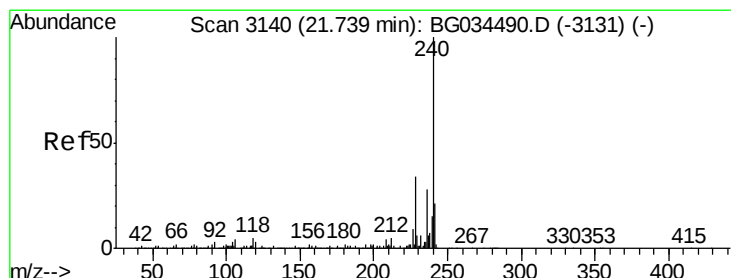
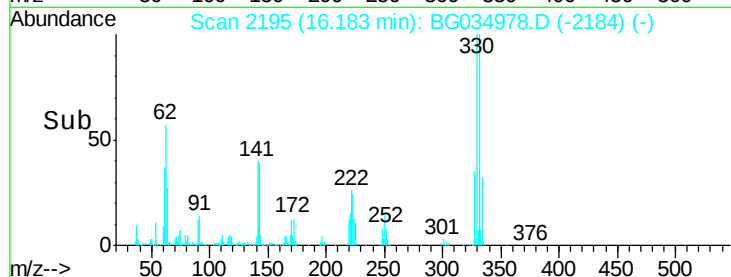
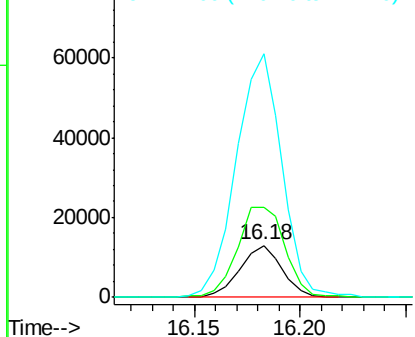
#66
4-Bromophenyl-phenylether
Concen: 5.413 ng
RT: 16.18 min Scan# 2195
Delta R.T. -0.46 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

Instrument :
BNA_G
ClientSampled :
HS-YARD-1

Tot Ion:248 Resp: 17917
Ion Ratio Lower Upper
248 100
250 174.6 77.1 115.7#
141 470.9 50.8 76.2#

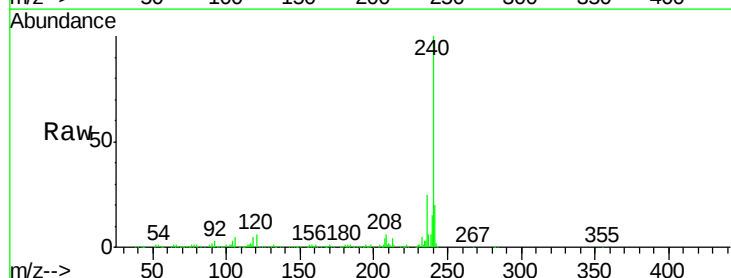


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

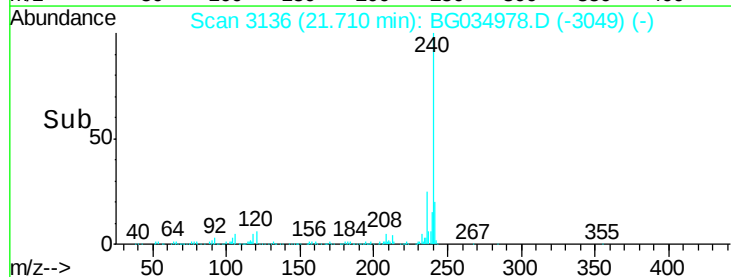
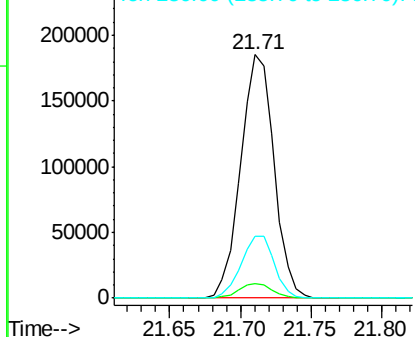


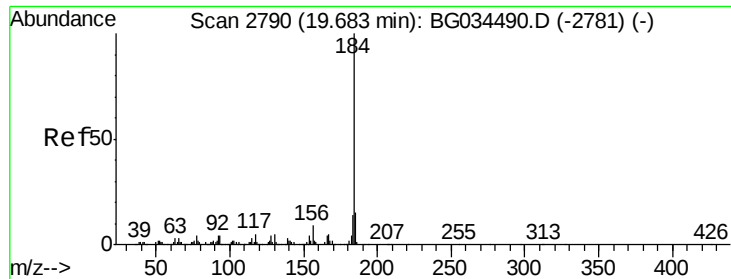
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3136
Delta R.T. -0.02 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

Tgt Ion:240 Resp: 306229
Ion Ratio Lower Upper
240 100
120 5.7 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

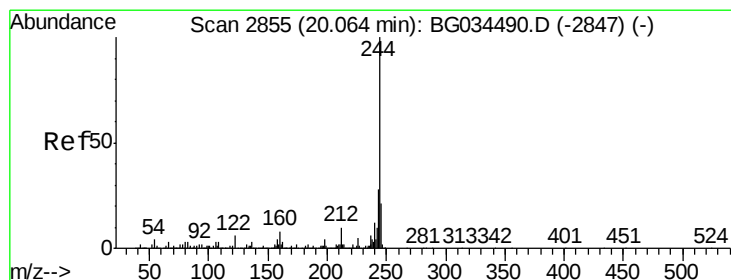
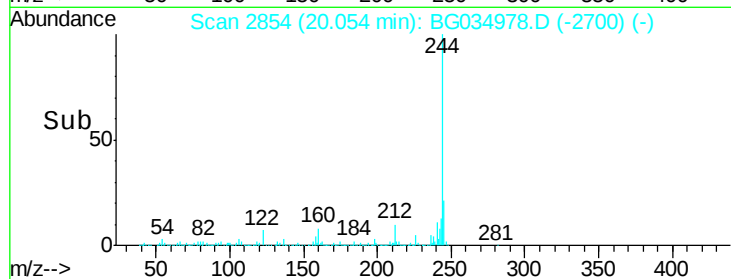
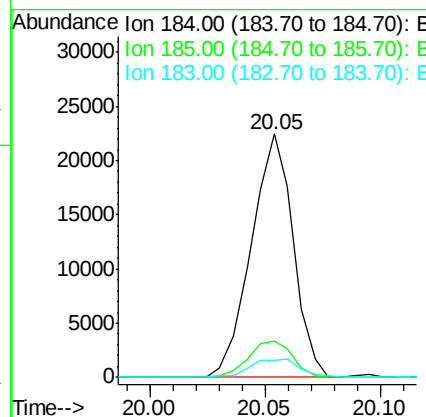
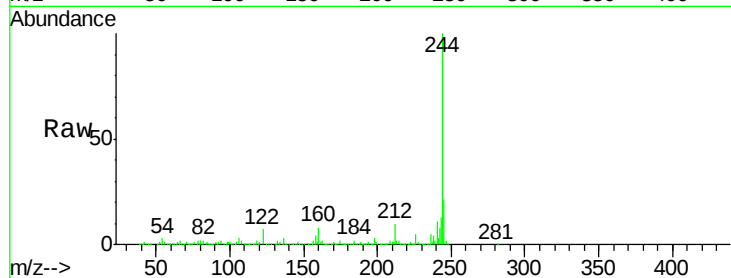




#76
Benzidine
Concen: 2.480 ng
RT: 20.05 min Scan# 2854
Delta R.T. 0.38 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

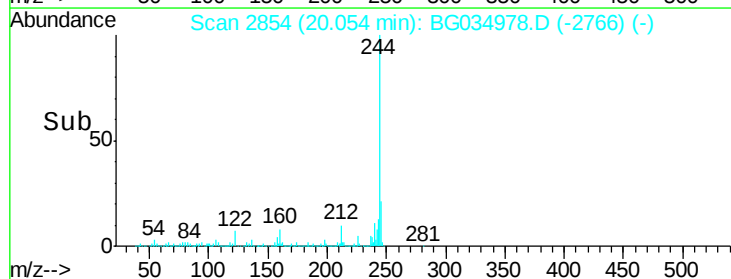
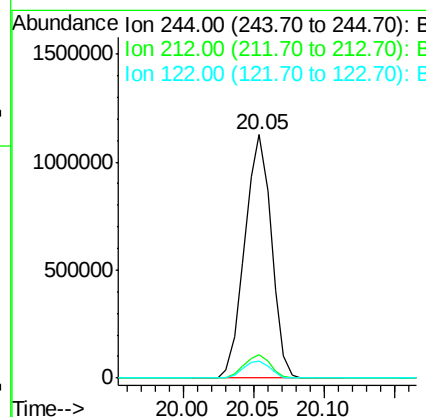
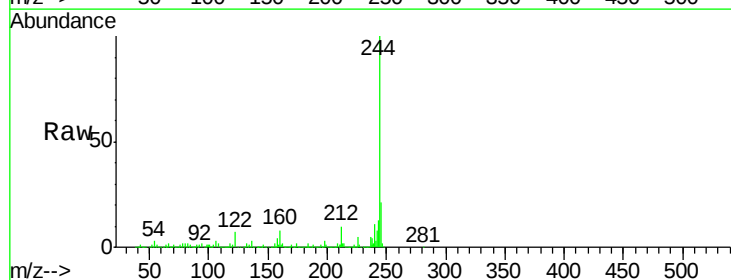
Instrument :
BNA_G
ClientSampleId :
HS-YARD-1

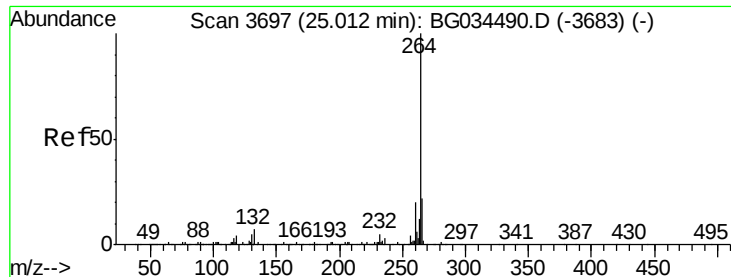
Tot Ion:184 Resp: 28254
Ion Ratio Lower Upper
184 100
185 14.6 11.1 16.7
183 6.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 101.703 ng
RT: 20.05 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BG034978.D
Acq: 8 Jun 2018 8:27

Tgt Ion:244 Resp: 1486837
Ion Ratio Lower Upper
244 100
212 9.6 5.8 8.8#
122 7.1 7.0 10.4

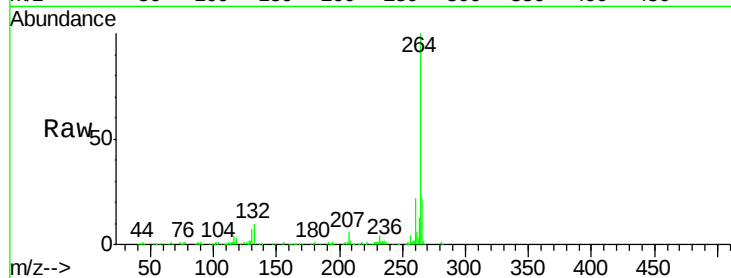




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3688
 Delta R.T. -0.03 min
 Lab File: BG034978.D
 Acq: 8 Jun 2018 8:27

Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	21.5	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

