

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034979.D
 Acq On : 8 Jun 2018 9:05
 Operator : SJ/JU
 Sample : J3344-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-2

Quant Time: Jun 08 12:27:05 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

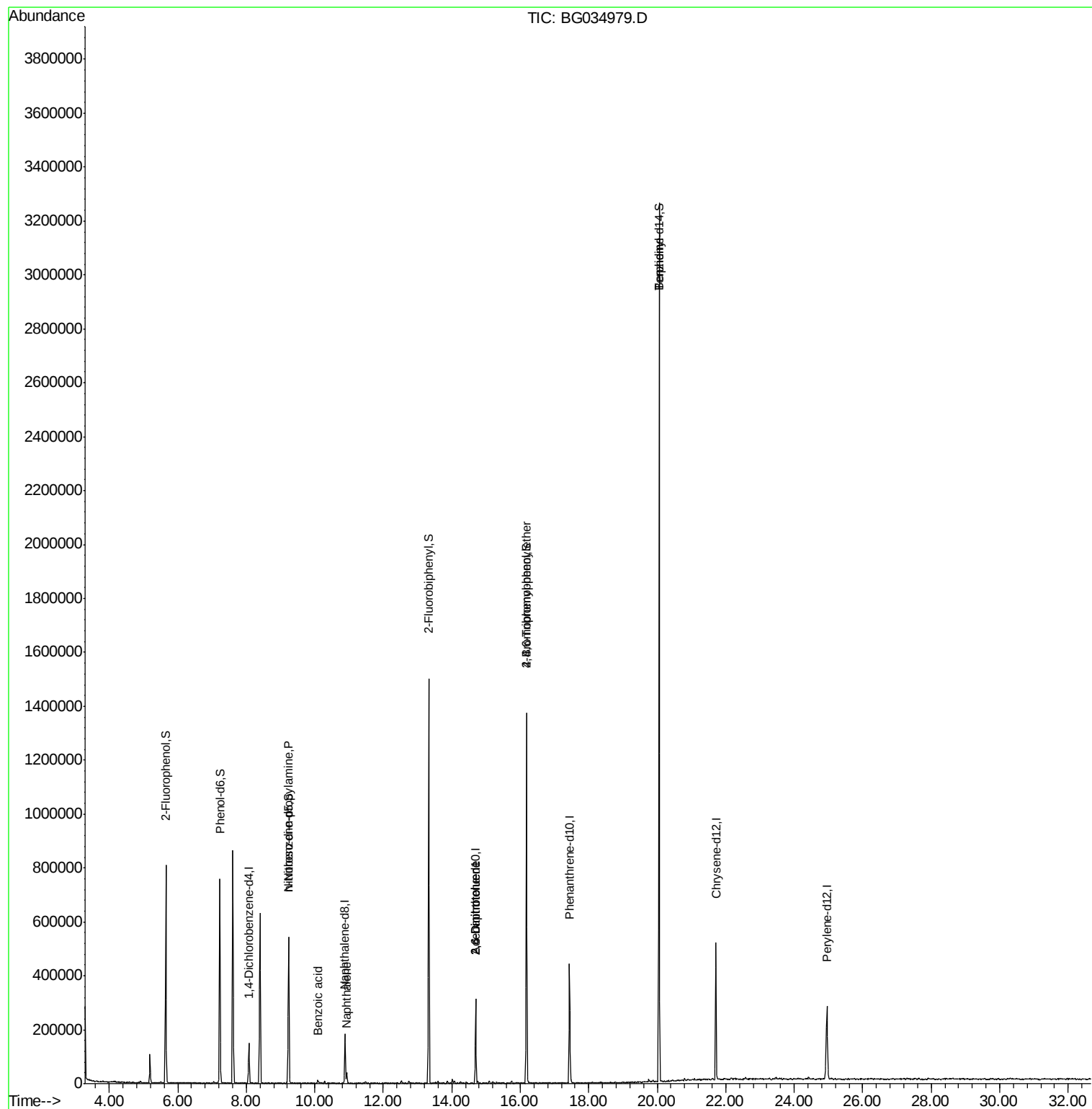
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	39682	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	145137	20.00	ng	-0.01
38) Acenaphthene-d10	14.70	164	104698	20.00	ng	-0.01
63) Phenanthrene-d10	17.44	188	278526	20.00	ng	-0.01
75) Chrysene-d12	21.71	240	311464	20.00	ng	-0.02
86) Perylene-d12	24.95	264	300002	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	329415	140.09	ng	0.00
7) Phenol-d6	7.23	99	437950	126.19	ng	0.00
23) Nitrobenzene-d5	9.23	82	352643	115.50	ng	-0.02
41) 2,4,6-Tribromophenol	16.18	330	233406	174.15	ng	-0.01
44) 2-Fluorobiphenyl	13.33	172	781557	97.04	ng	-0.01
78) Terphenyl-d14	20.05	244	1517408	102.05	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	50745	17.211	ng	Qvalue # 68
31) Naphthalene	10.93	128	30256	4.013	ng	97
32) Benzoic acid	10.09	122	4275	2.817	ng	91
50) 2,6-Dinitrotoluene	14.70	165	14325	8.600	ng	# 20
56) 2,4-Dinitrotoluene	14.70	165	14325	6.474	ng	# 18
66) 4-Bromophenyl-phenylether	16.18	248	18575	5.538	ng	# 1
76) Benzidine	20.05	184	28883	2.493	ng	# 94

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

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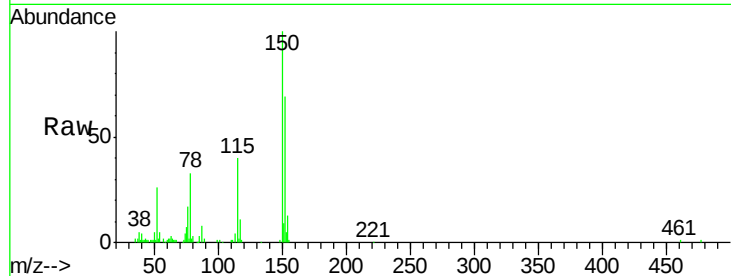


#1

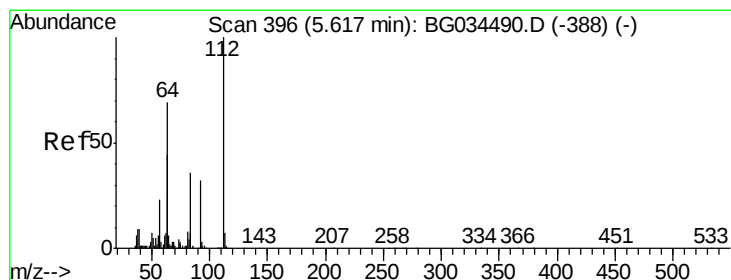
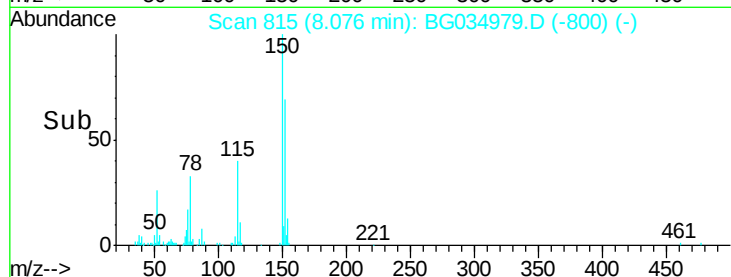
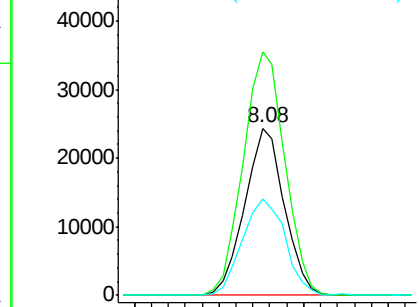
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

Instrument :
BNA_G
ClientSampleId :
HS-YARD-2

Tot Ion:152 Resp: 39682
Ion Ratio Lower Upper
152 100
150 145.9 126.6 189.8
115 58.0 53.0 79.4



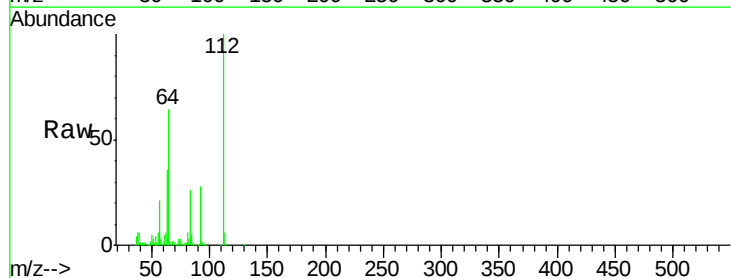
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



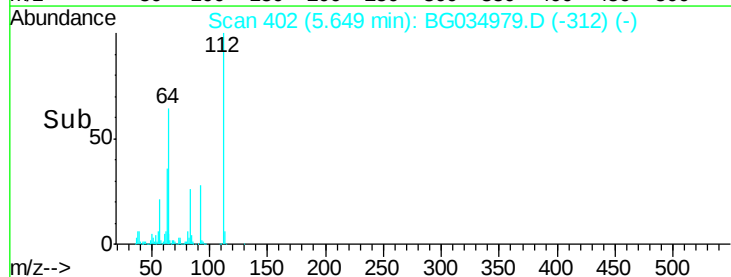
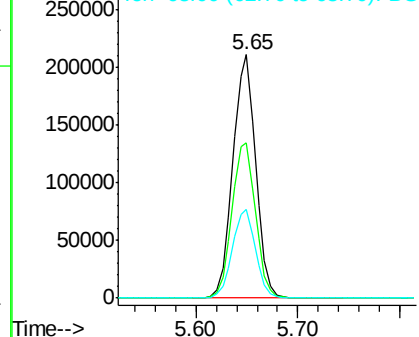
#5

2-Fluorophenol
Concen: 140.095 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

Tgt Ion:112 Resp: 329415
Ion Ratio Lower Upper
112 100
64 63.8 56.3 84.5
63 36.2 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: 126.193 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

Instrument :

BNA_G

ClientSampleId :

HS-YARD-2

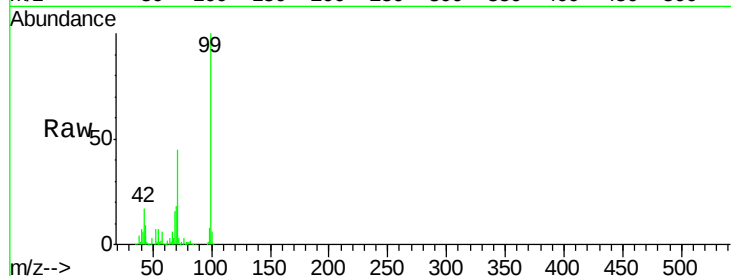
Tot Ion: 99 Resp: 437950

Ion Ratio Lower Upper

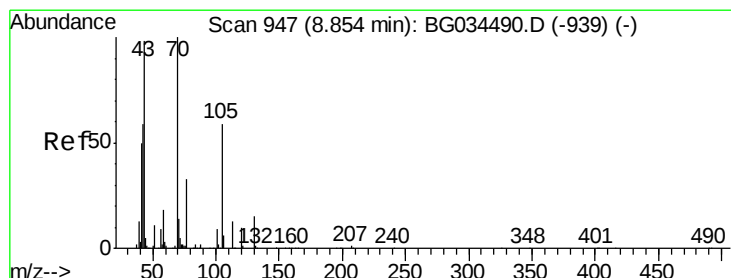
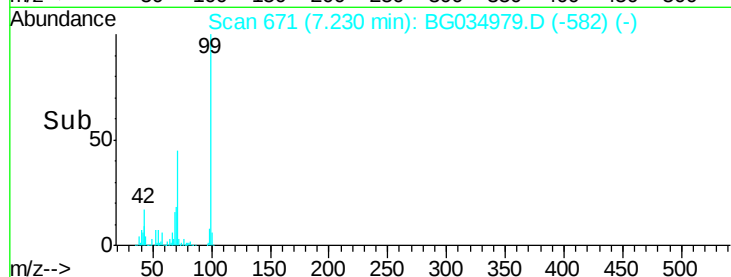
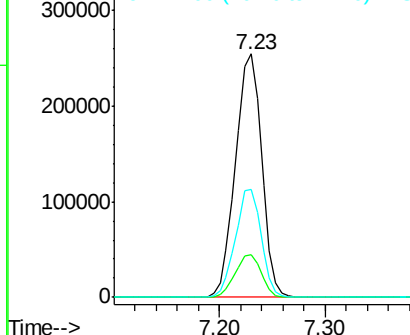
99 100

42 17.3 14.1 21.1

71 44.5 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: 17.211 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

Tgt Ion: 70 Resp: 50745

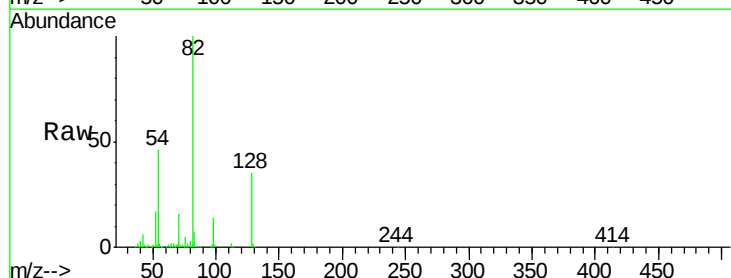
Ion Ratio Lower Upper

70 100

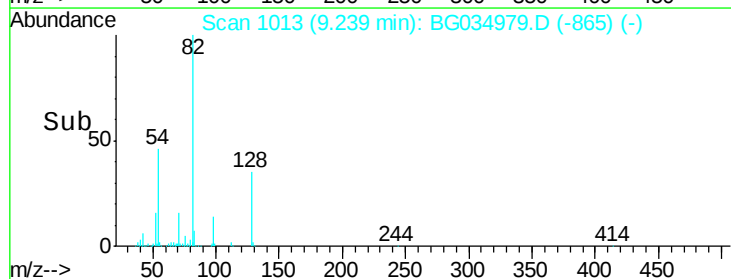
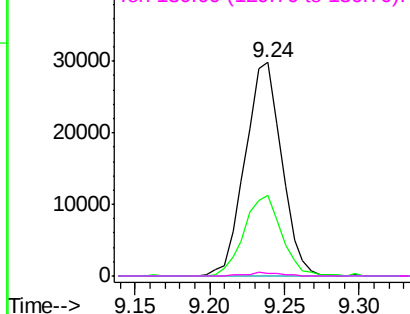
42 37.6 49.1 73.7#

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

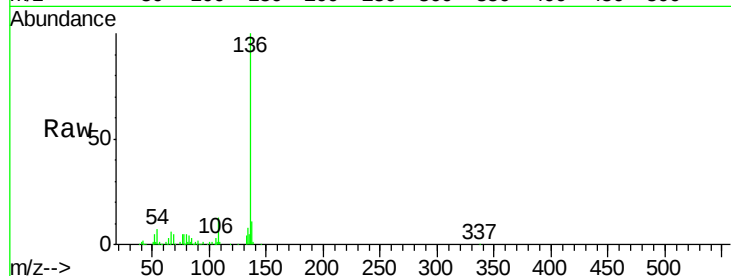




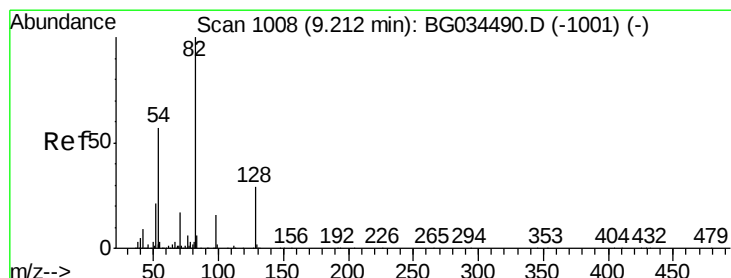
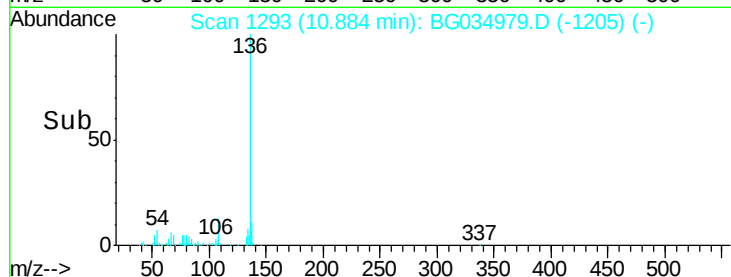
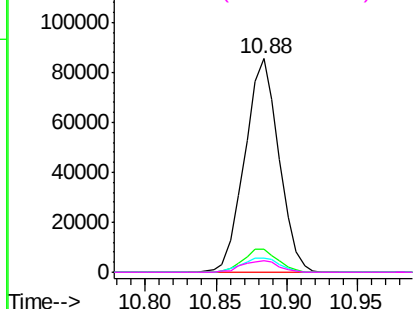
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

Instrument :
BNA_G
ClientSampleId :
HS-YARD-2

Tot Ion:136	Resp: 145137
Ion Ratio	Lower Upper
136 100	
137 10.9	9.2 13.8
54 6.6	10.3 15.5#
68 5.3	4.5 6.7

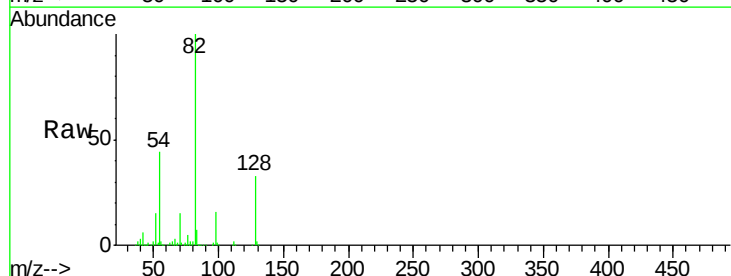


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

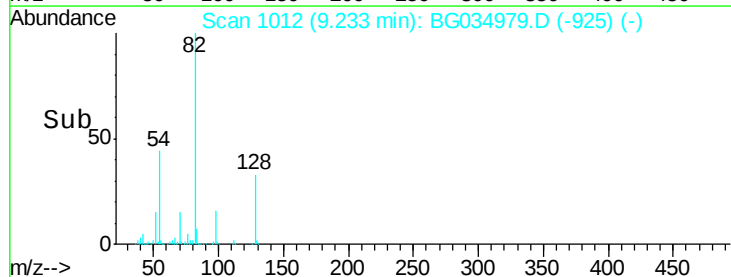
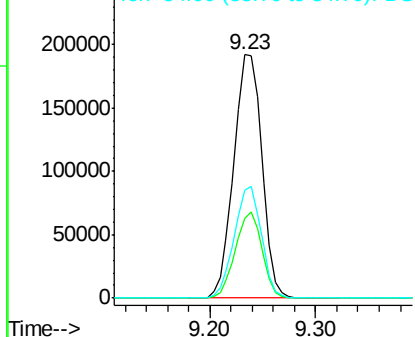


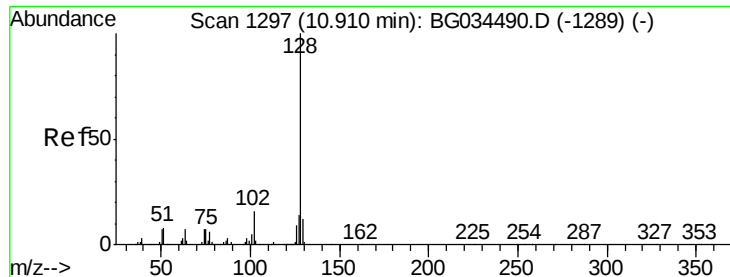
#23
Nitrobenzene-d5
Concen: 115.495 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

Tgt Ion	82	Resp: 352643	
Ion	Ratio	Lower	Upper
82	100		
128	33.0	29.7	44.5
54	44.2	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

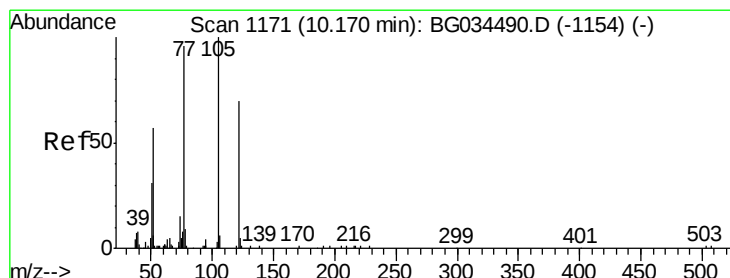
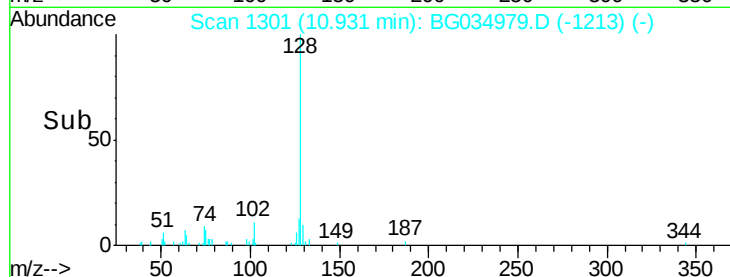
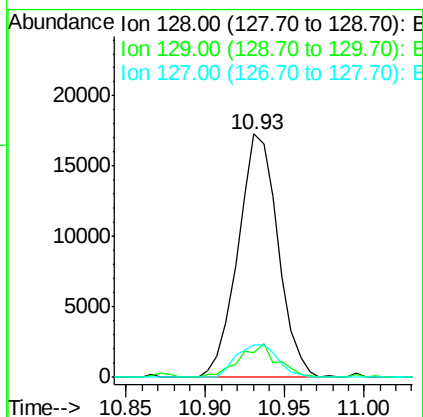
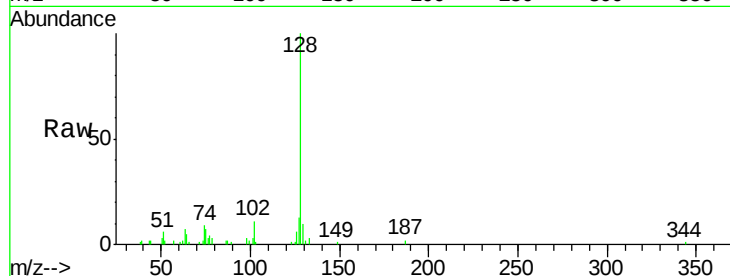




#31
Naphthalene
Concen: 4.013 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

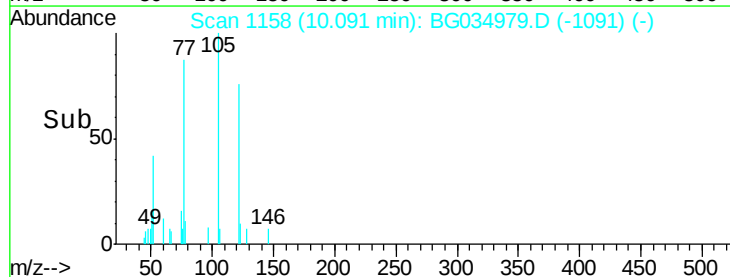
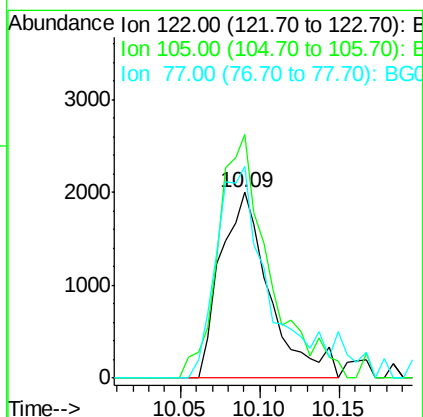
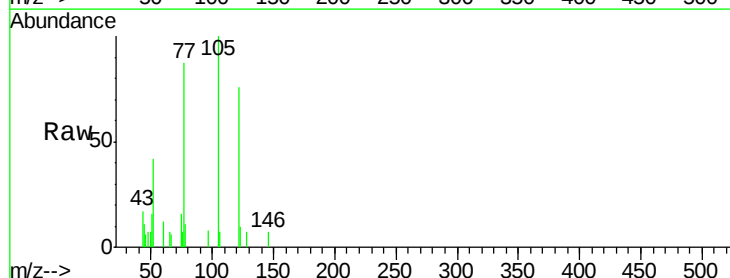
Instrument :
BNA_G
ClientSampleId :
HS-YARD-2

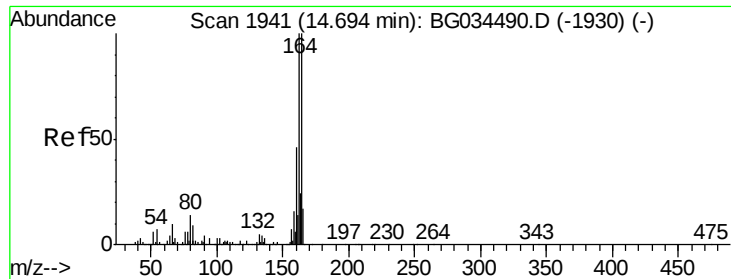
Tot Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.6	12.8
127	13.3	11.6	17.4



#32
Benzoic acid
Concen: 2.817 ng
RT: 10.09 min Scan# 1158
Delta R.T. -0.13 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.2	123.5	163.5
77	113.9	85.7	125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

Instrument :

BNA_G

ClientSampleId :

HS-YARD-2

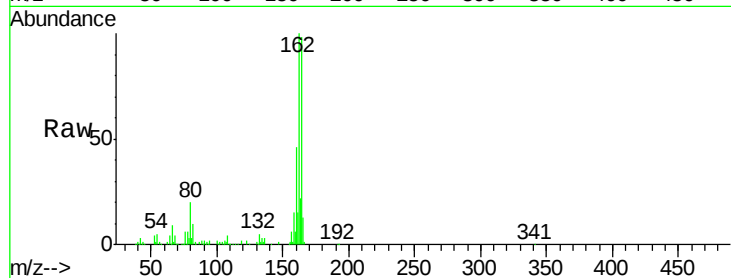
Tot Ion:164 Resp: 104698

Ion Ratio Lower Upper

164 100

162 101.9 78.8 118.2

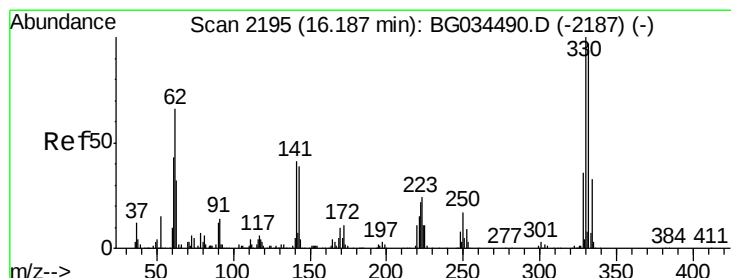
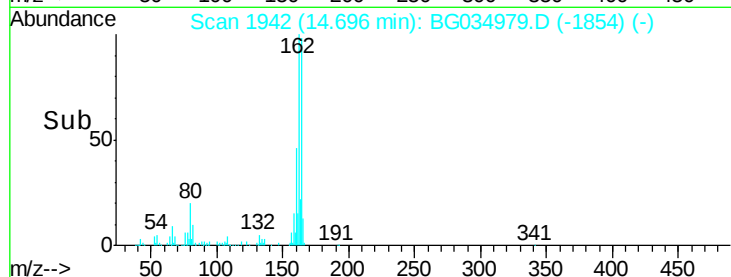
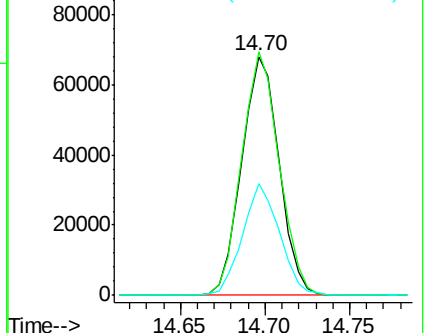
160 46.7 35.4 53.0



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: 174.149 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

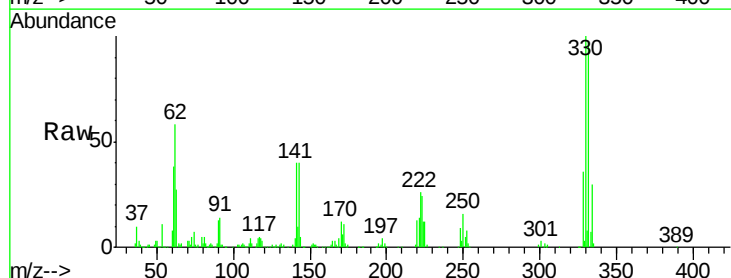
Tgt Ion:330 Resp: 233406

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

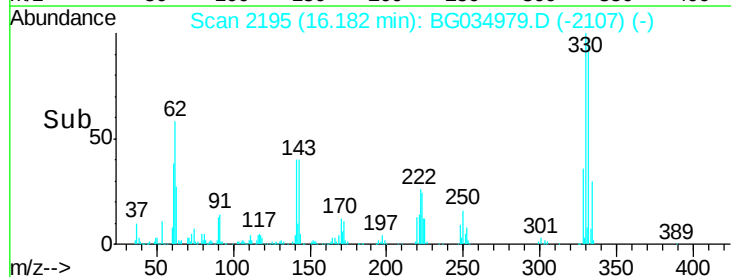
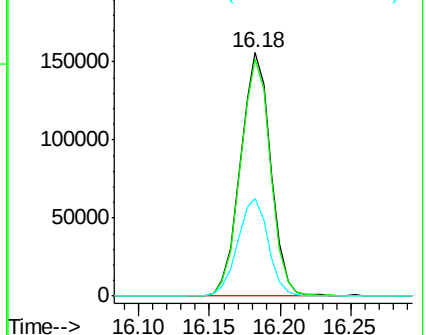
141 40.5 25.2 37.8#

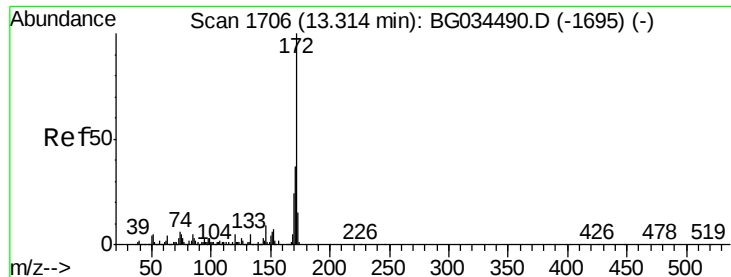


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 97.043 ng

RT: 13.33 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

Instrument :

BNA_G

ClientSampleId :

HS-YARD-2

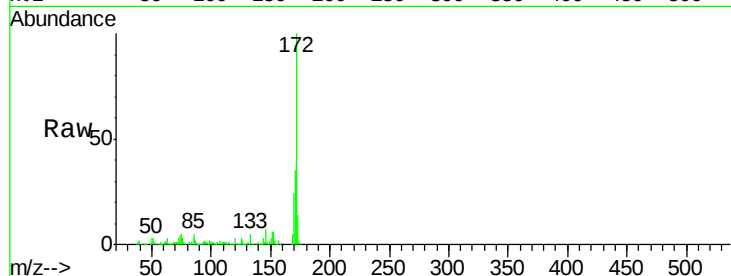
Tot Ion:172 Resp: 781557

Ion Ratio Lower Upper

172 100

171 34.6 30.0 45.0

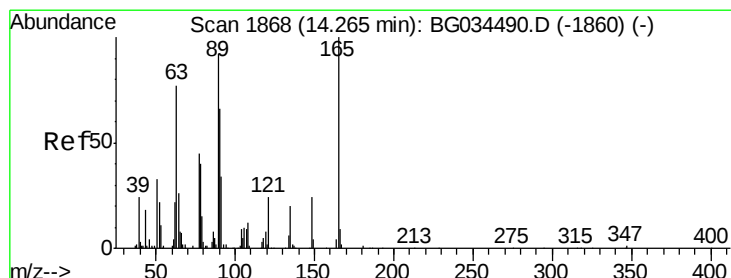
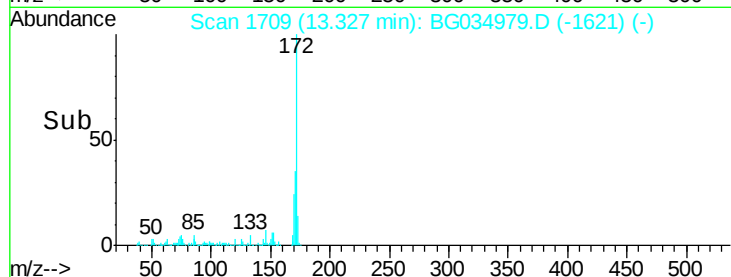
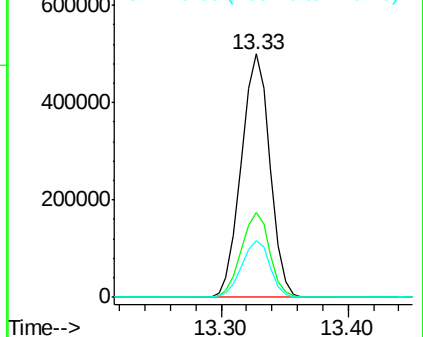
170 23.5 19.5 29.3



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



#50

2,6-Dinitrotoluene

Concen: 8.600 ng

RT: 14.70 min Scan# 1942

Delta R.T. 0.42 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

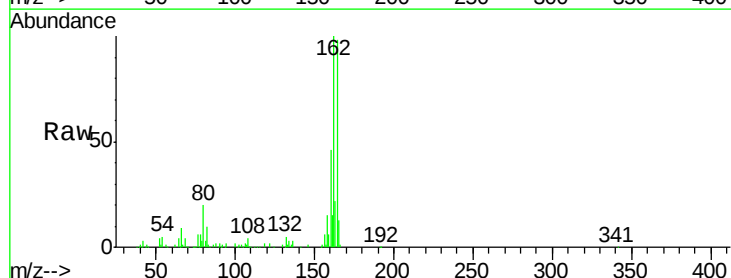
Tgt Ion:165 Resp: 14325

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

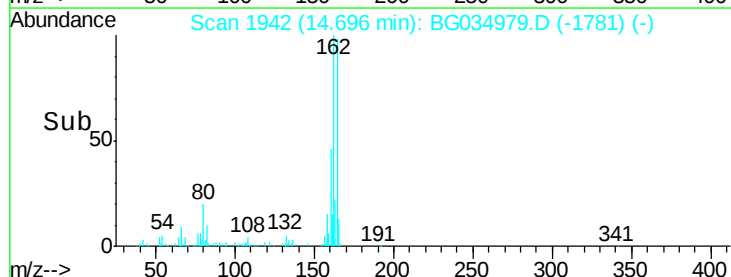
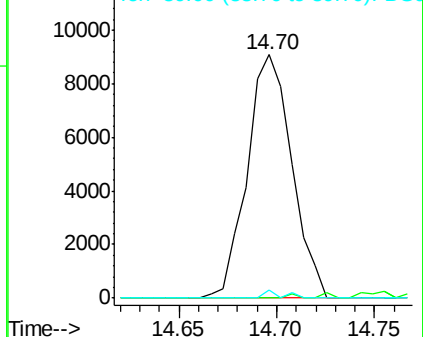
89 3.3 49.2 73.8#

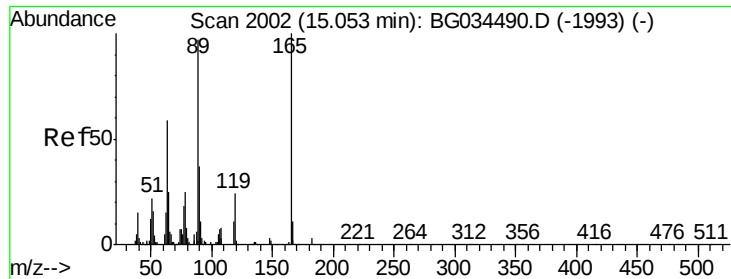


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

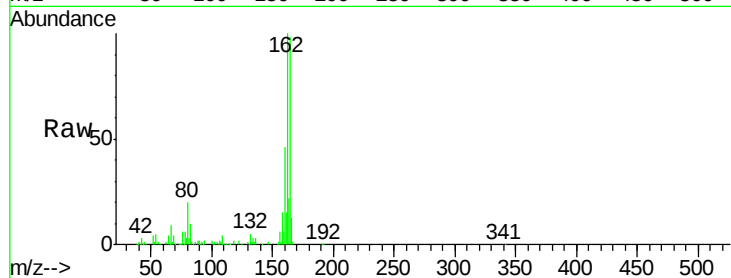




#56
2,4-Dinitrotoluene
Concen: 6.474 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.37 min
Lab File: BG034979.D
Acq: 8 Jun 2018 9:05

Instrument :
BNA_G
ClientSampled :
HS-YARD-2

Tot Ion:165 Resp: 14325
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.3 66.9 100.3#
182 0.0 2.6 3.8#

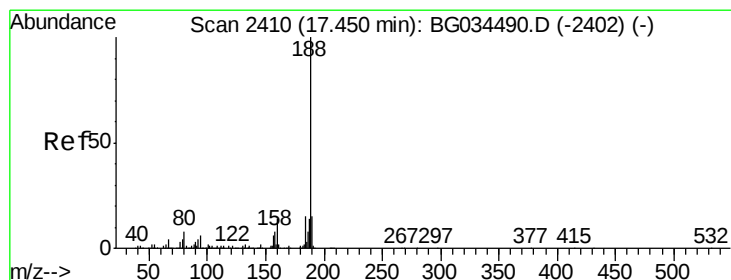
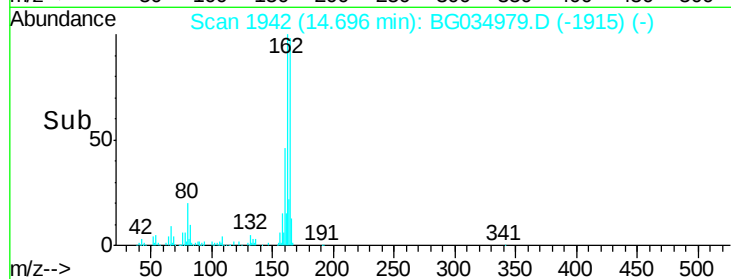
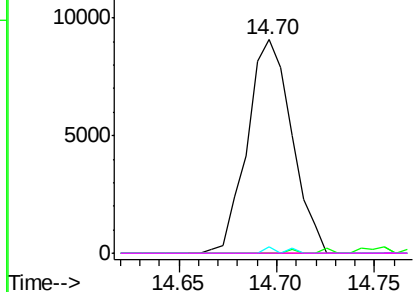


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

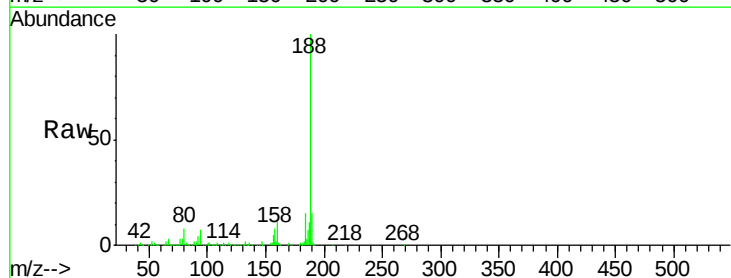
Ion 89.00 (88.70 to 89.70): BGC

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: BG034979.D
Acq: 8 Jun 2018 9:05

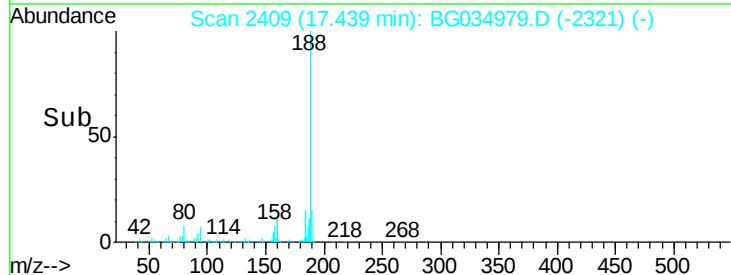
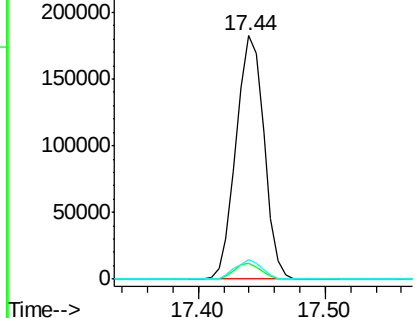
Tgt Ion:188 Resp: 278526
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 8.1 7.7 11.5

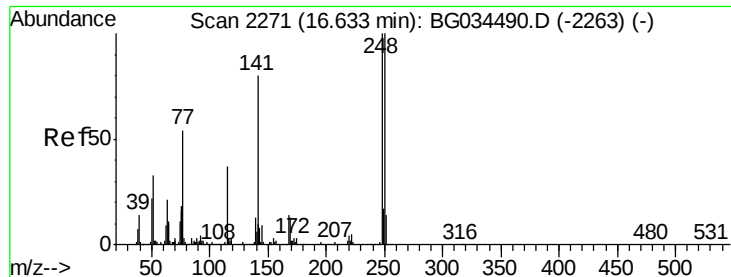


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#66

4-Bromophenyl-phenylether

Concen: 5.538 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.46 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

Instrument :

BNA_G

ClientSampleId :

HS-YARD-2

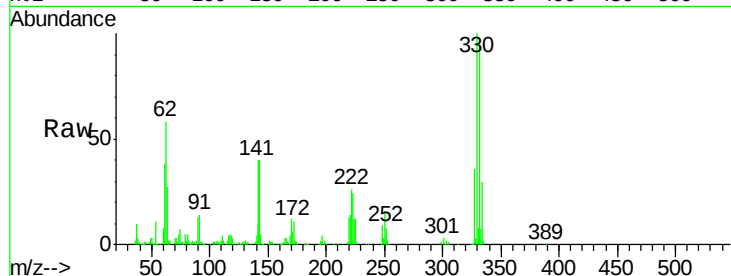
Tot Ion:248 Resp: 18575

Ion Ratio Lower Upper

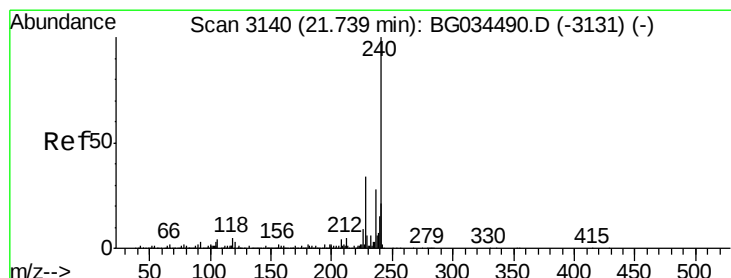
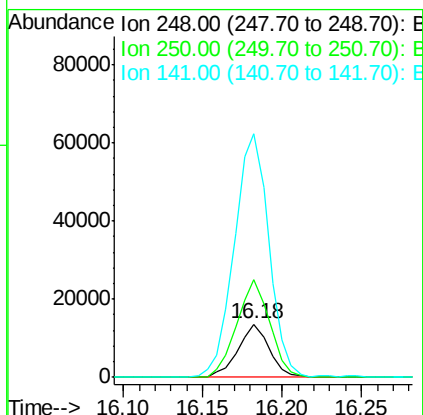
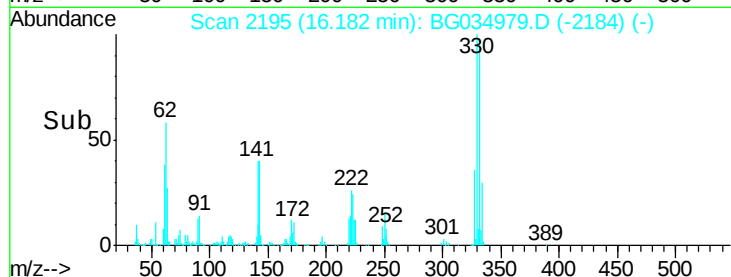
248 100

250 184.6 77.1 115.7#

141 457.6 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: BG034979.D

Acq: 8 Jun 2018 9:05

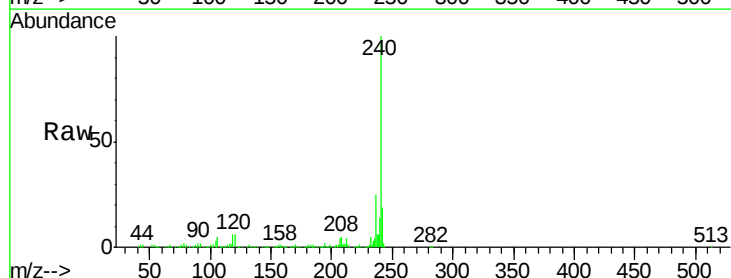
Tgt Ion:240 Resp: 311464

Ion Ratio Lower Upper

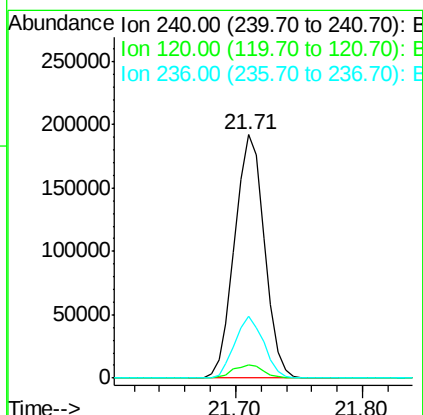
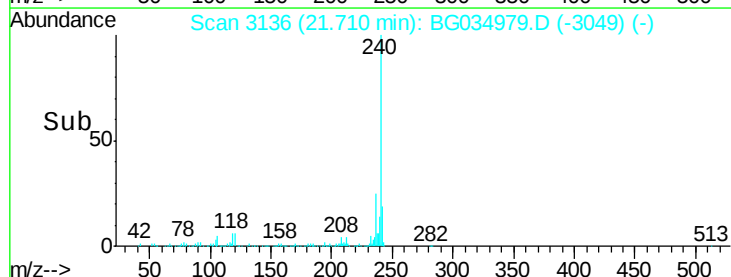
240 100

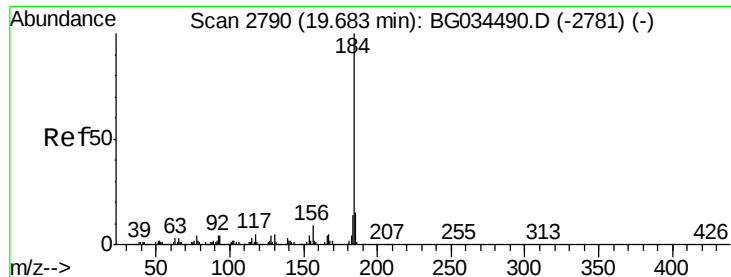
120 5.7 6.8 10.2#

236 25.1 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: 2.493 ng

RT: 20.05 min Scan# 2854

Delta R.T. 0.38 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

Instrument :

BNA_G

ClientSampleId :

HS-YARD-2

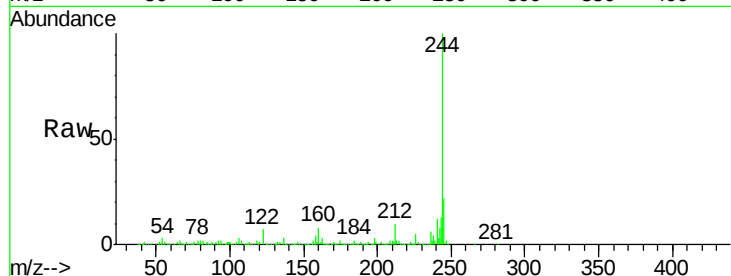
Tot Ion:184 Resp: 28883

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

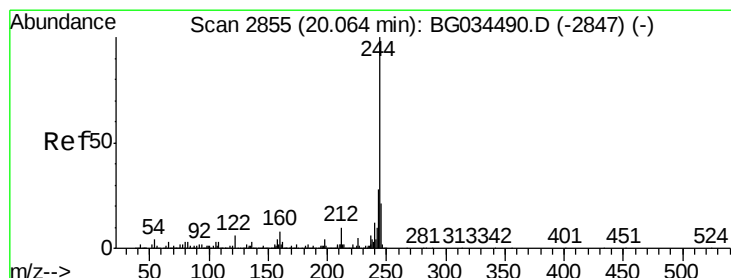
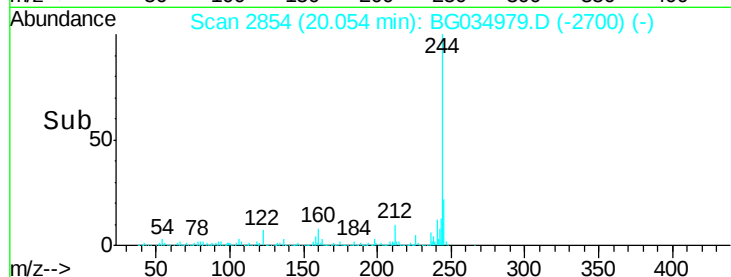
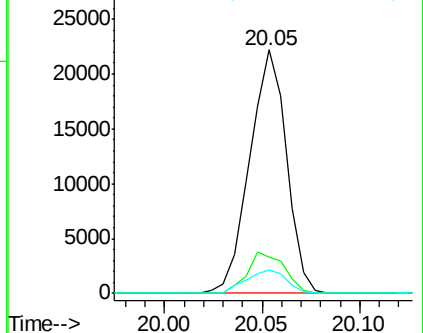
183 9.4 10.6 16.0#



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: 102.050 ng

RT: 20.05 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034979.D

Acq: 8 Jun 2018 9:05

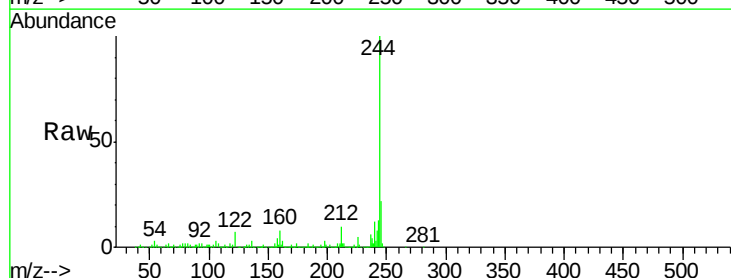
Tgt Ion:244 Resp: 1517408

Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

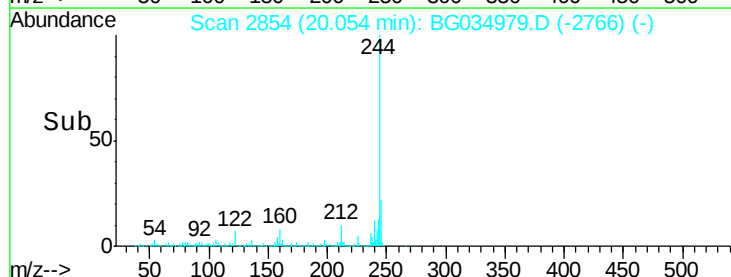
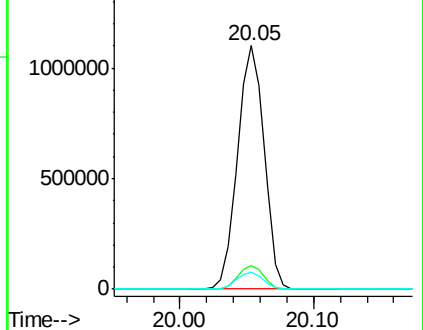
122 7.1 7.0 10.4

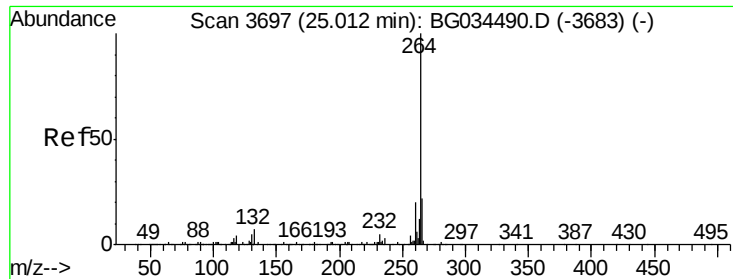


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

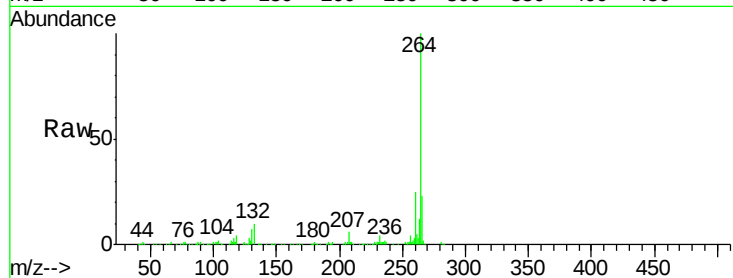




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3688
 Delta R.T. -0.03 min
 Lab File: BG034979.D
 Acq: 8 Jun 2018 9:05

Instrument :
 BNA_G
 ClientSampleId :
 HS-YARD-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	22.5	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

