

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034976.D
 Acq On : 8 Jun 2018 7:10
 Operator : SJ/JU
 Sample : J3323-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 08 07:56:09 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

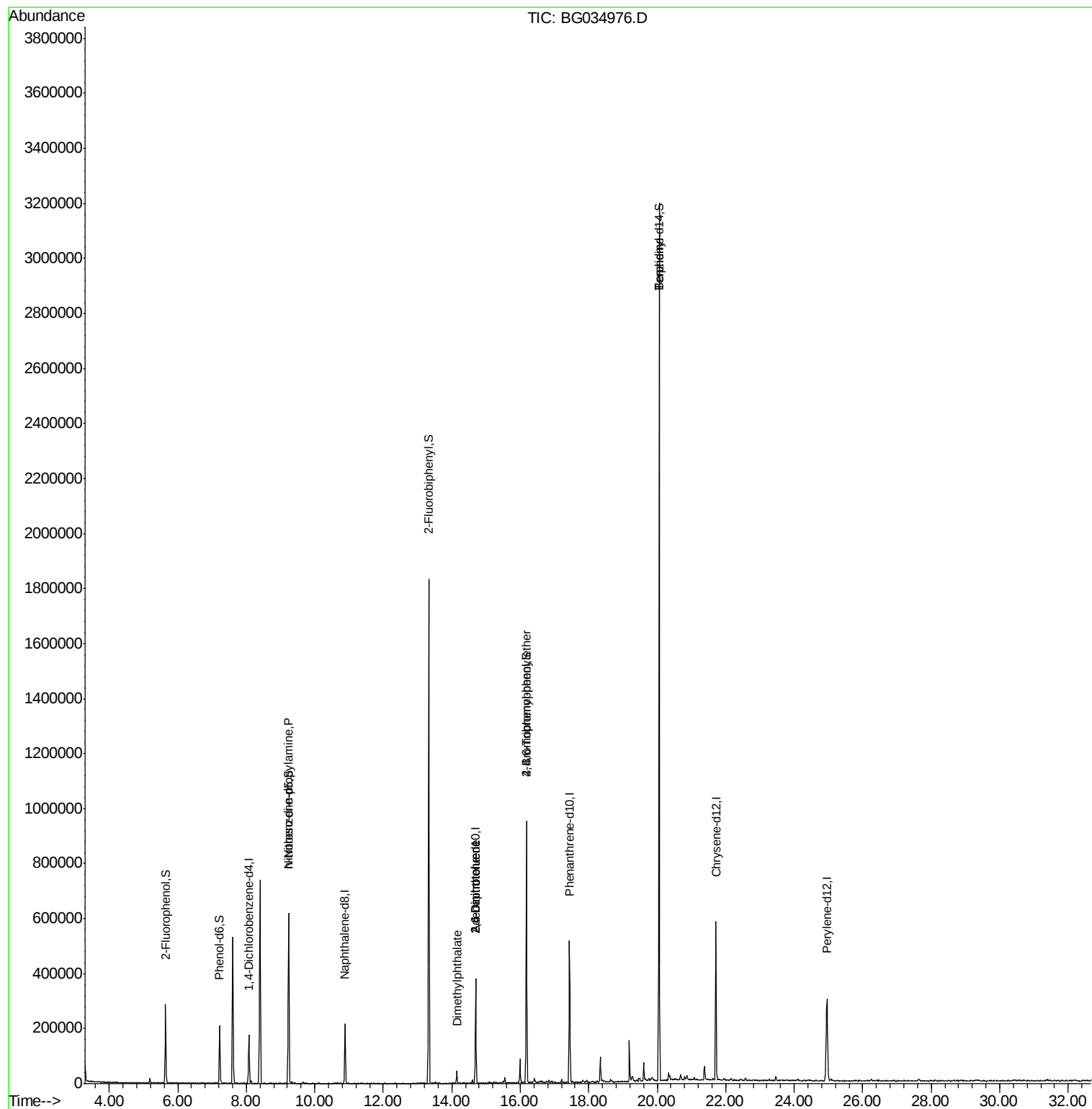
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	47225	20.00	ng	-0.01
21) Naphthalene-d8	10.88	136	174589	20.00	ng	-0.01
38) Acenaphthene-d10	14.70	164	124999	20.00	ng	-0.01
63) Phenanthrene-d10	17.44	188	324824	20.00	ng	-0.01
75) Chrysene-d12	21.71	240	342400	20.00	ng	-0.02
86) Perylene-d12	24.95	264	343443	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	118724	42.43	ng	0.00
7) Phenol-d6	7.22	99	120032	29.06	ng	-0.01
23) Nitrobenzene-d5	9.24	82	400830	109.13	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	169938	106.20	ng	-0.01
44) 2-Fluorobiphenyl	13.33	172	943533	98.13	ng	-0.01
78) Terphenyl-d14	20.05	244	1392000	85.16	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	55981	15.95	ng	# 68
49) Dimethylphthalate	14.15	163	27863	2.56	ng	# 97
50) 2,6-Dinitrotoluene	14.70	165	17156	8.63	ng	# 22
56) 2,4-Dinitrotoluene	14.70	165	17156	6.49	ng	# 20
66) 4-Bromophenyl-phenylether	16.18	248	13720	3.51	ng	# 1
76) Benzidine	20.05	184	25634	2.01	ng	# 87

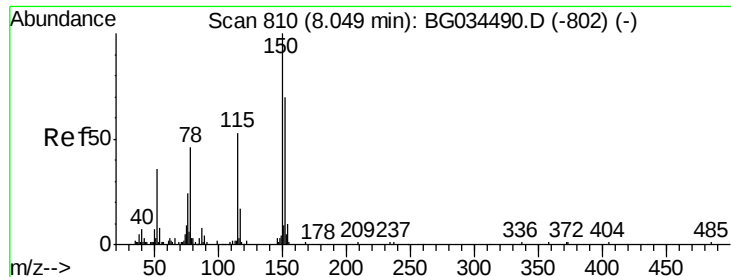
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Instrument :

BNA_G

ClientSampleId :

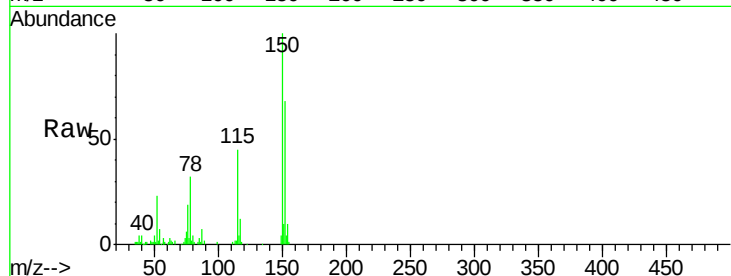
Tot Ion:152 Resp: 47225

Ion Ratio Lower Upper

152 100

150 146.1 126.6 189.8

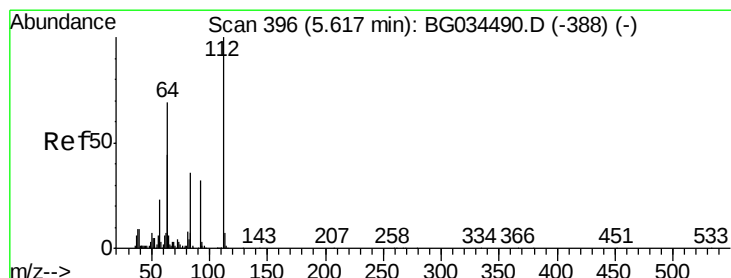
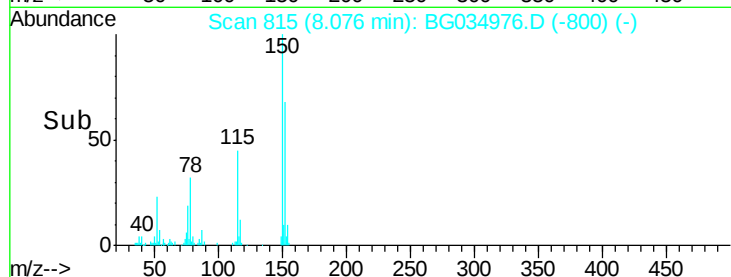
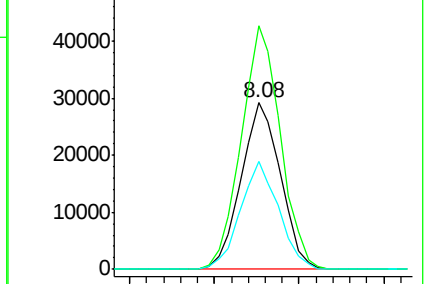
115 65.1 53.0 79.4



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: 42.43 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

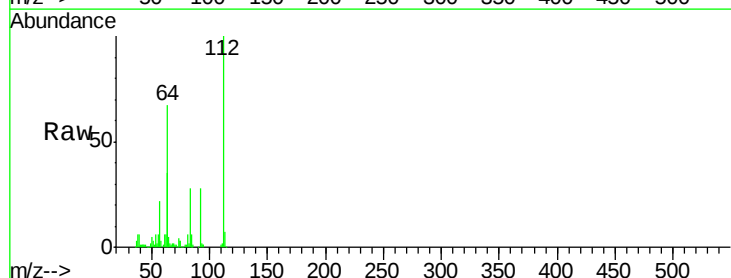
Tgt Ion:112 Resp: 118724

Ion Ratio Lower Upper

112 100

64 67.2 56.3 84.5

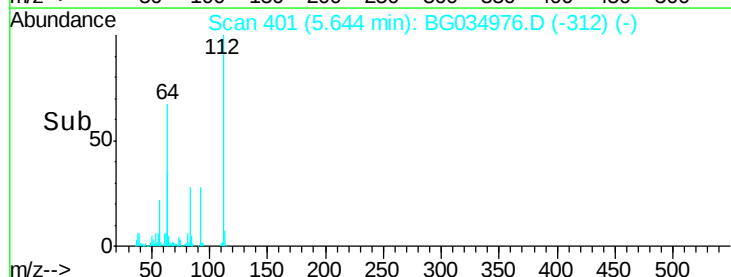
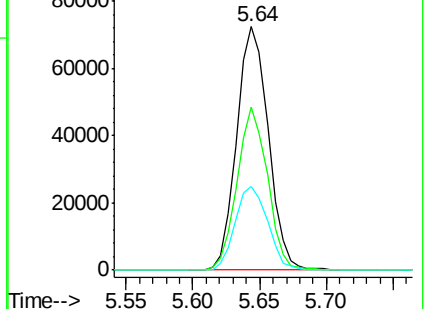
63 34.5 30.1 45.1

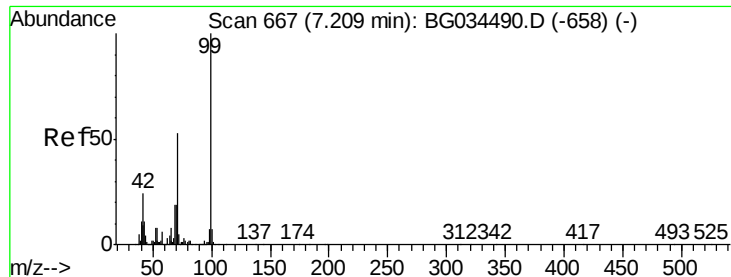


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 29.06 ng

RT: 7.22 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Instrument :

BNA_G

ClientSampleId :

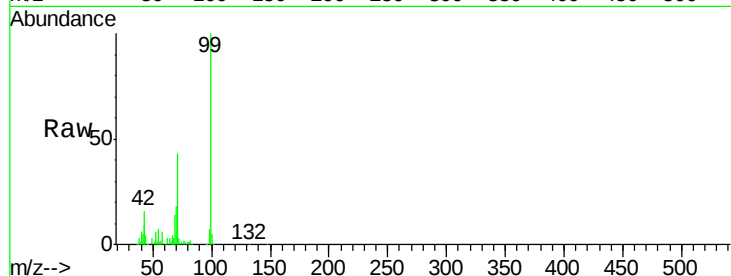
Tot Ion: 99 Resp: 120032

Ion Ratio Lower Upper

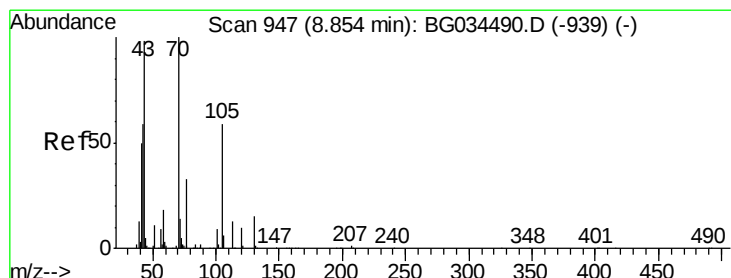
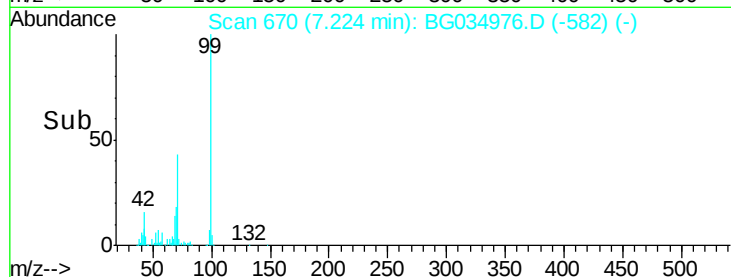
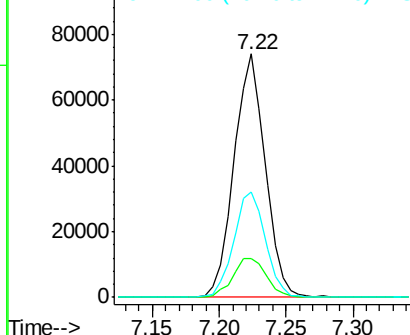
99 100

42 15.7 14.1 21.1

71 43.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.95 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Tgt Ion: 70 Resp: 55981

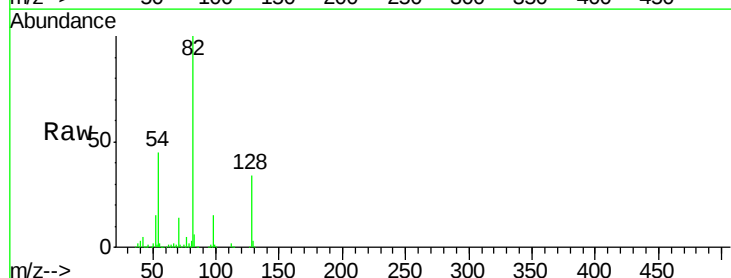
Ion Ratio Lower Upper

70 100

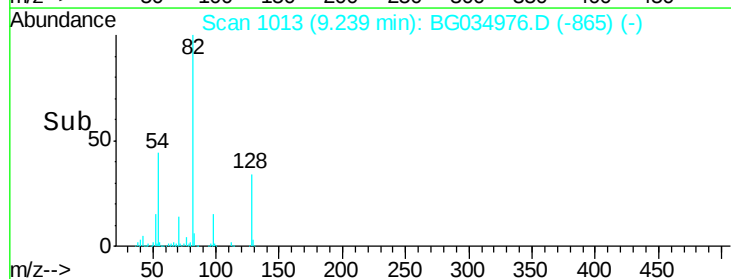
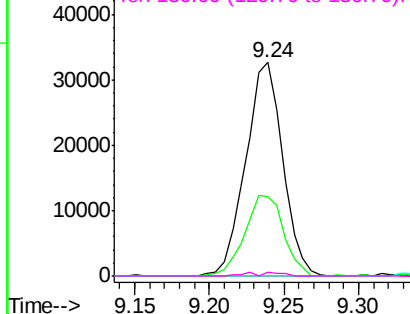
42 37.3 49.1 73.7#

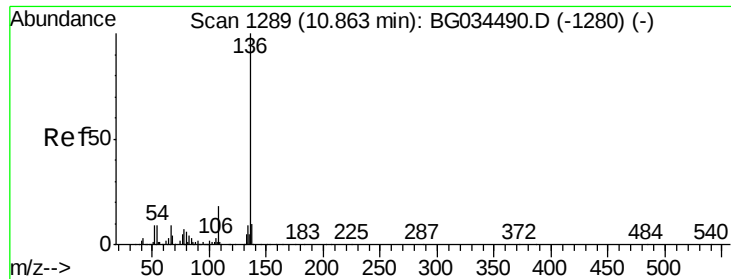
101 0.0 8.5 12.7#

130 1.7 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

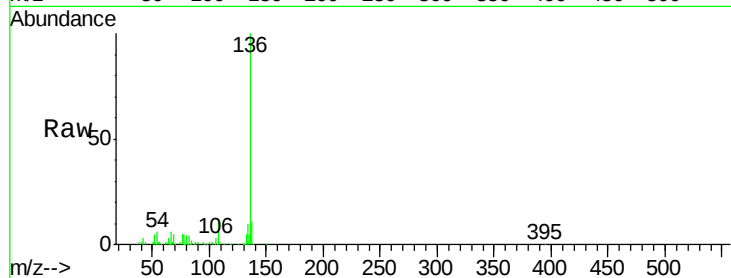




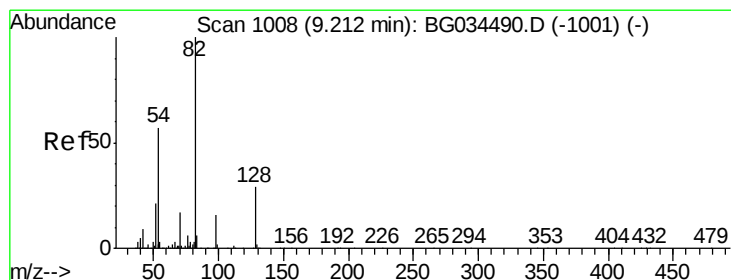
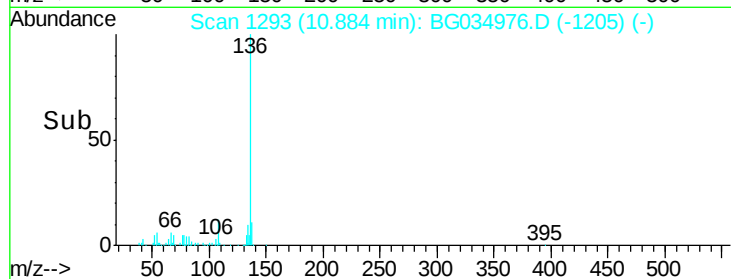
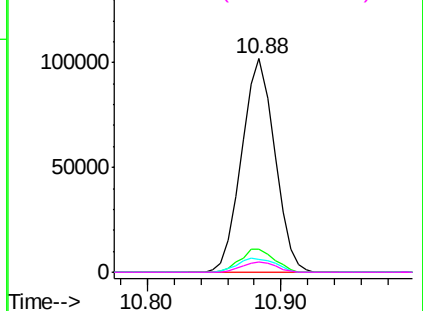
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034976.D
Acq: 8 Jun 2018 7:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	174589
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.2 13.8
54	6.3	10.3 15.5
68	4.8	4.5 6.7

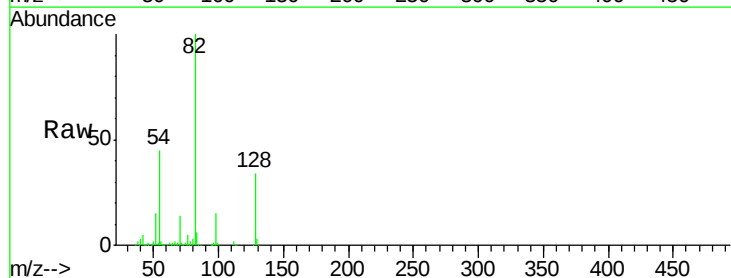


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

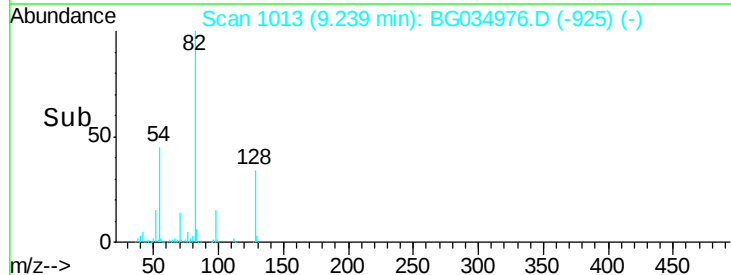
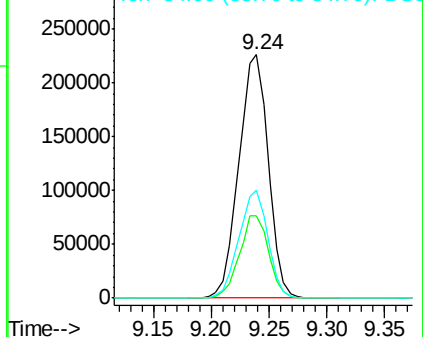


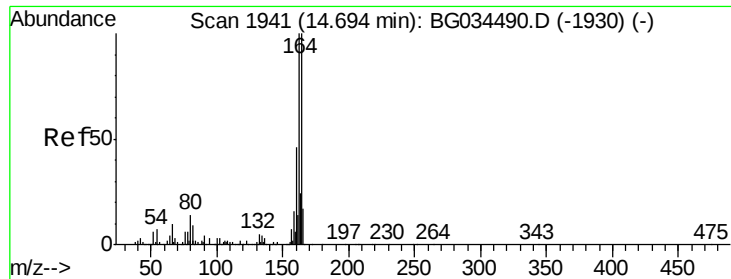
#23
Nitrobenzene-d5
Concen: 109.13 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034976.D
Acq: 8 Jun 2018 7:10

Tgt Ion: 82	Resp:	400830
Ion Ratio	Lower	Upper
82	100	
128	33.7	29.7 44.5
54	44.5	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Instrument :

BNA_G

ClientSampled :

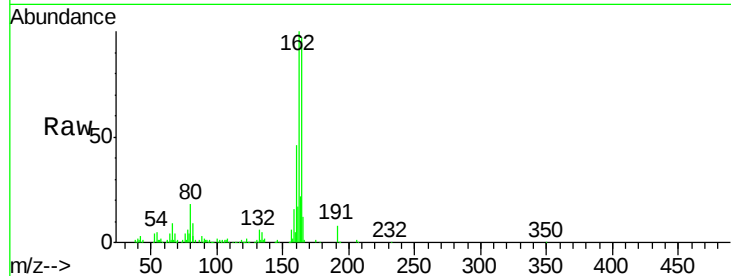
Tot Ion:164 Resp: 124999

Ion Ratio Lower Upper

164 100

162 103.5 78.8 118.2

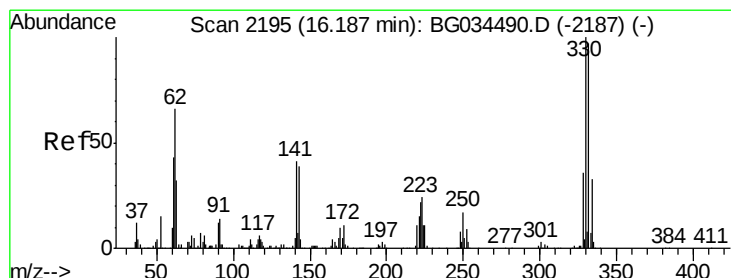
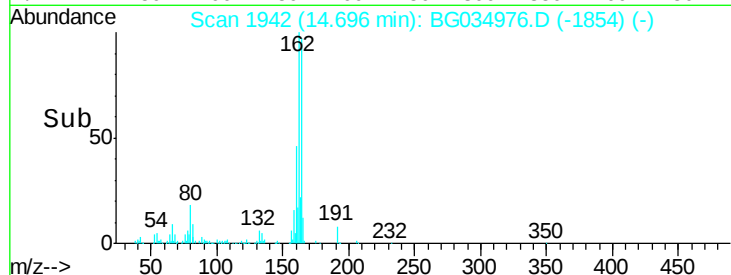
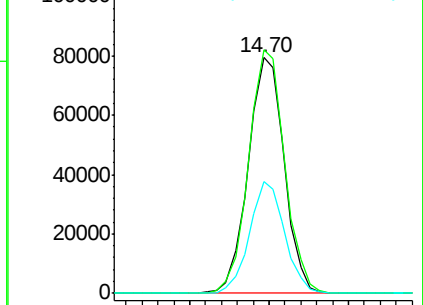
160 47.3 35.4 53.0



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: 106.20 ng

RT: 16.18 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

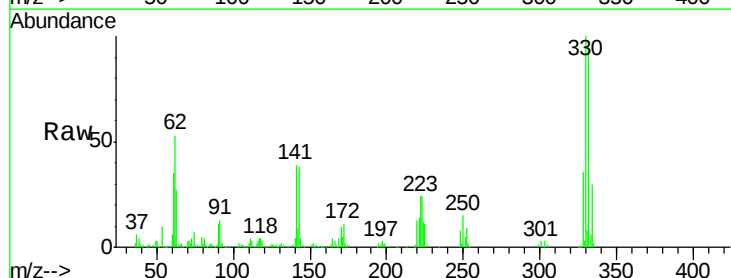
Tgt Ion:330 Resp: 169938

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

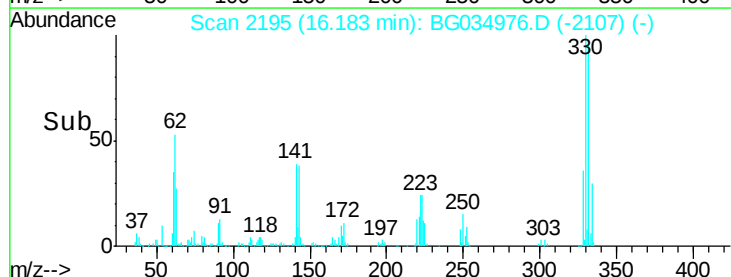
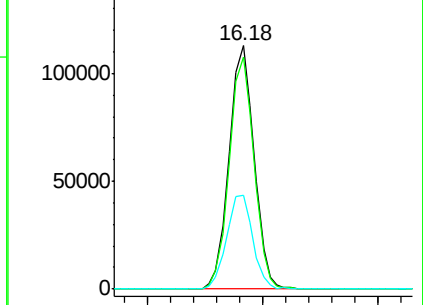
141 40.3 25.2 37.8#

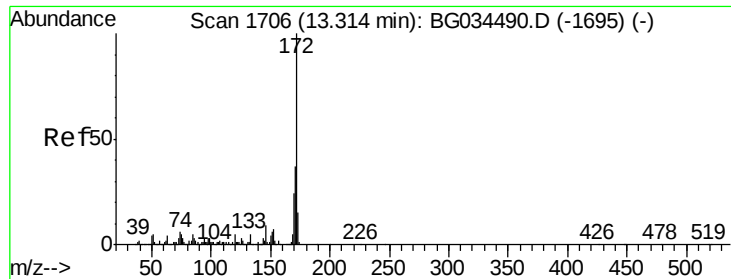


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

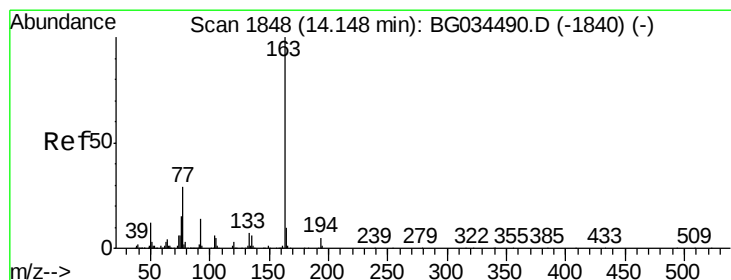
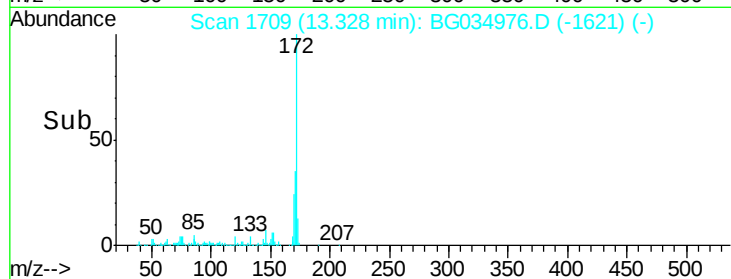
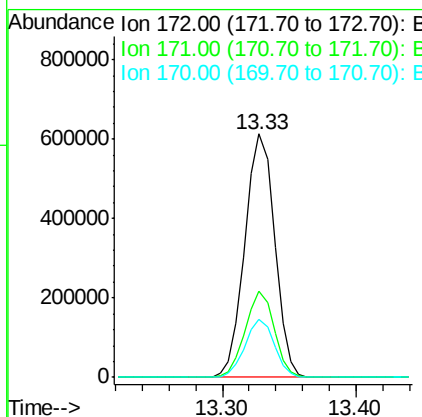
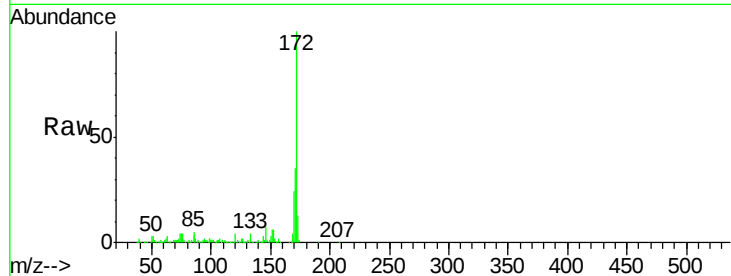




#44
2-Fluorobiphenyl
Concen: 98.13 ng
RT: 13.33 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG034976.D
Acq: 8 Jun 2018 7:10

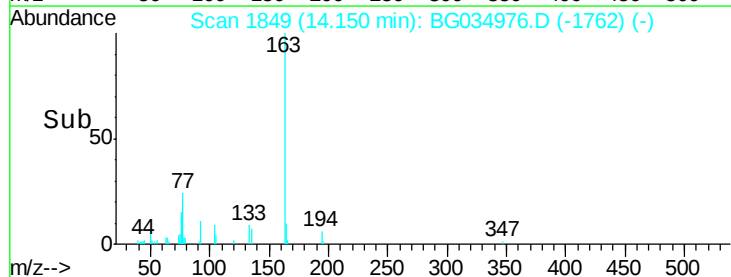
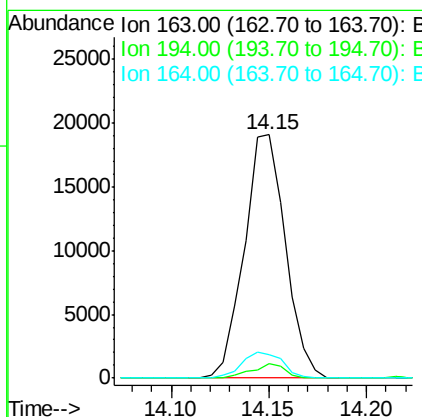
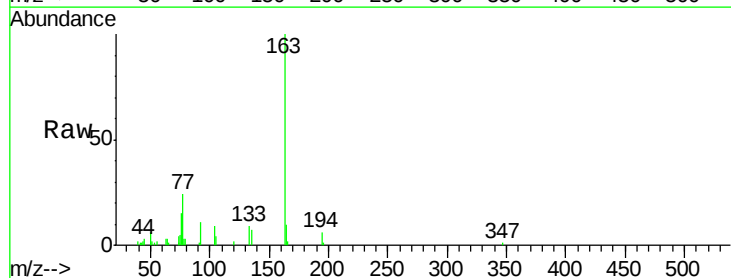
Instrument :
BNA_G
ClientSampleId :

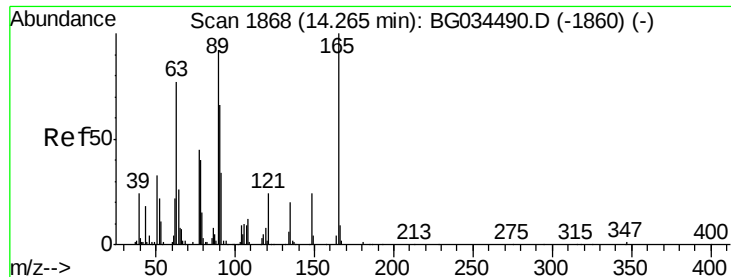
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	24.1	19.5	29.3



#49
Dimethylphthalate
Concen: 2.56 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.02 min
Lab File: BG034976.D
Acq: 8 Jun 2018 7:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.4	5.2#
164	9.5	8.2	12.4

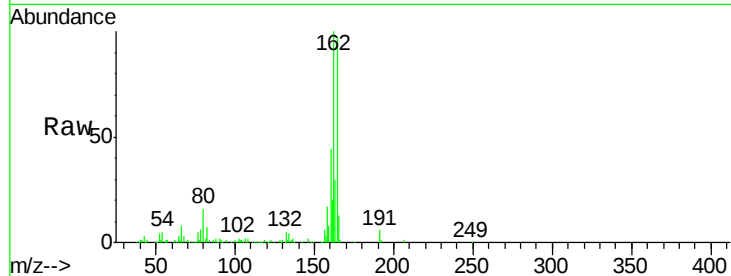




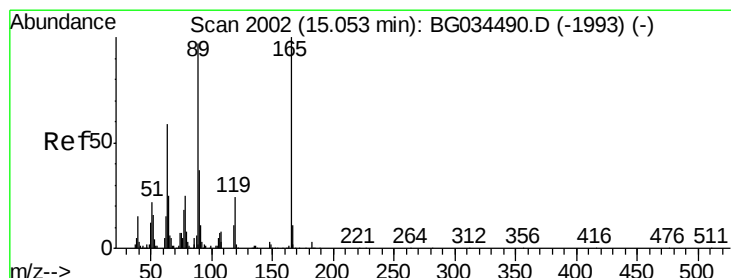
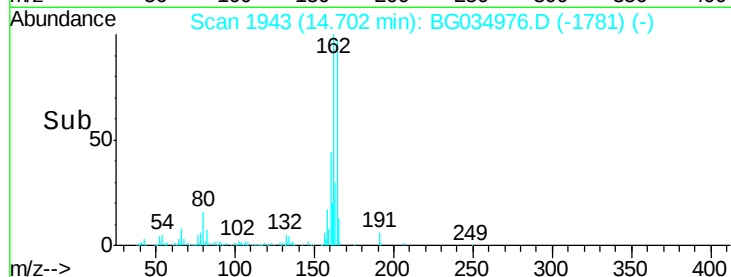
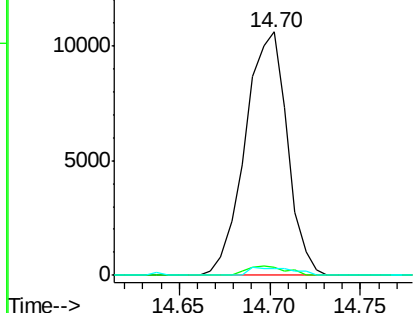
#50
 2,6-Dinitrotoluene
 Concen: 8.63 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. 0.42 min
 Lab File: BG034976.D
 Acq: 8 Jun 2018 7:10

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:165 Resp: 17156
 Ion Ratio Lower Upper
 165 100
 63 3.2 52.7 79.1#
 89 2.9 49.2 73.8#

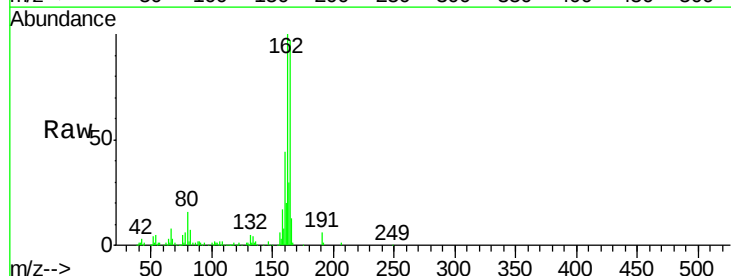


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

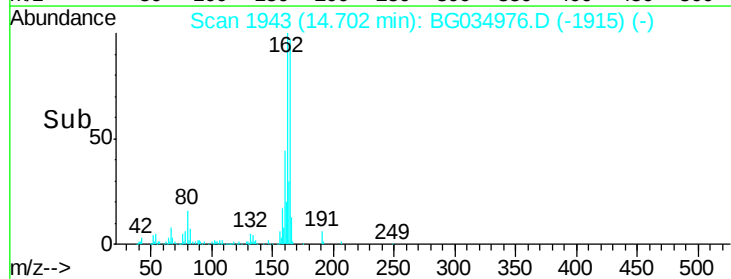
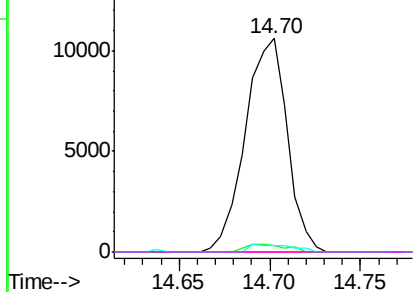


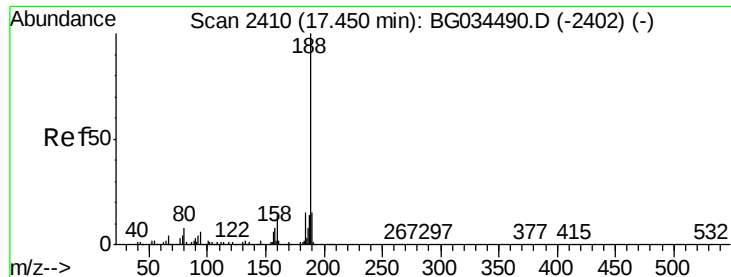
#56
 2,4-Dinitrotoluene
 Concen: 6.49 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.36 min
 Lab File: BG034976.D
 Acq: 8 Jun 2018 7:10

Tgt Ion:165 Resp: 17156
 Ion Ratio Lower Upper
 165 100
 63 3.2 42.0 63.0#
 89 2.9 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: 20.00 ng

RT: 17.44 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Instrument :

BNA_G

ClientSampleId :

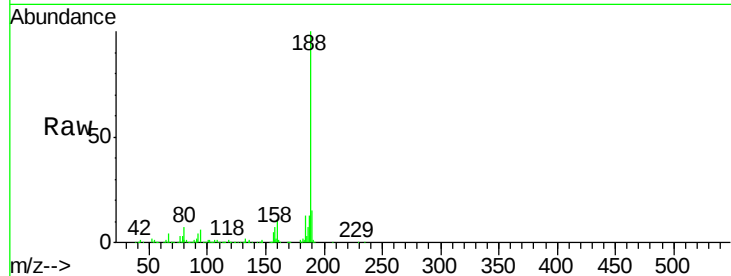
Tot Ion:188 Resp: 324824

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

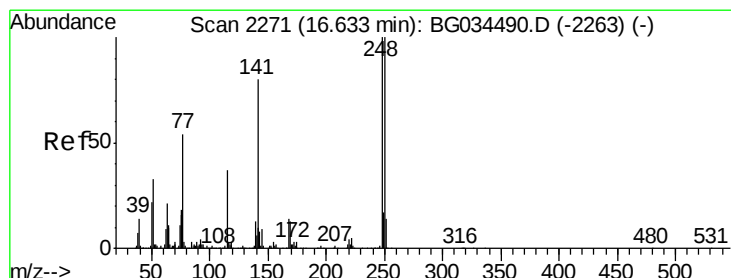
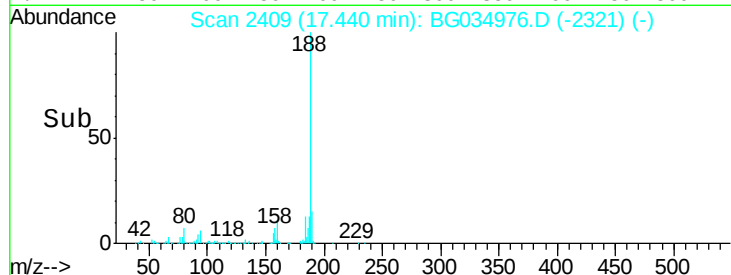
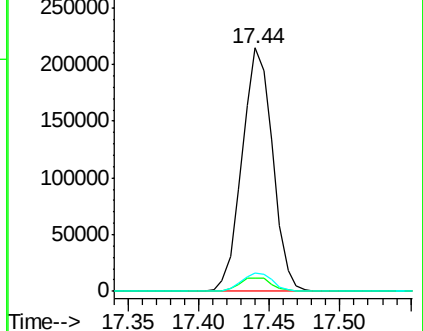
80 7.4 7.7 11.5#



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: 3.51 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.47 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

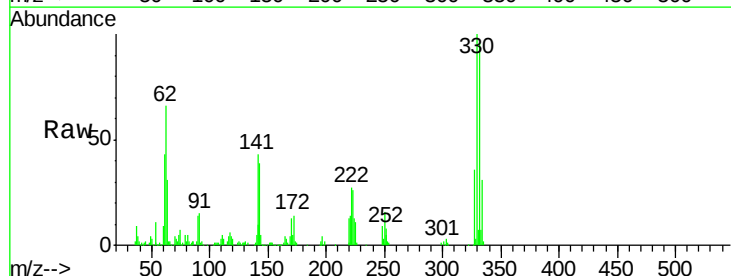
Tgt Ion:248 Resp: 13720

Ion Ratio Lower Upper

248 100

250 184.3 77.1 115.7#

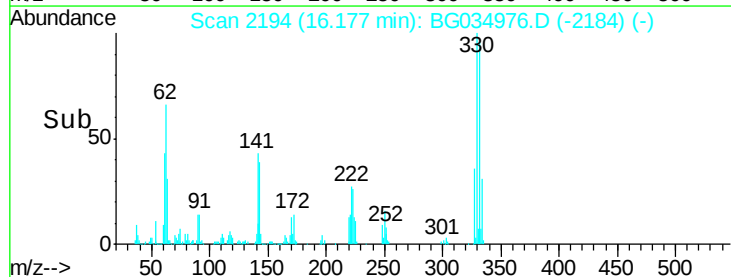
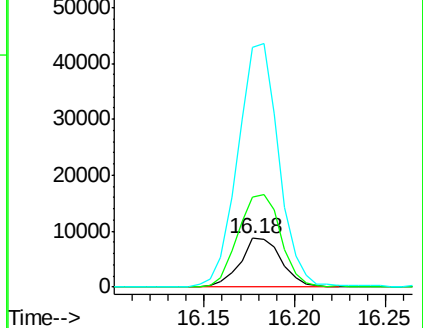
141 491.0 50.8 76.2#

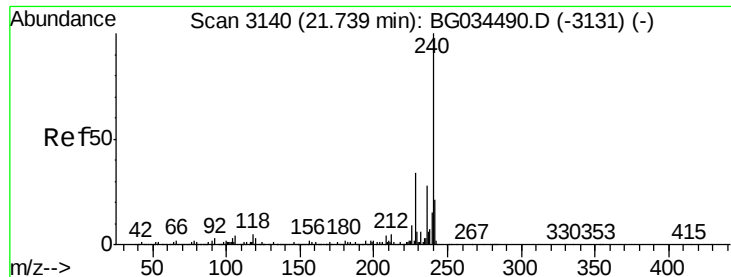


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.71 min Scan# 3136

Delta R.T. -0.02 min

Lab File: BG034976.D

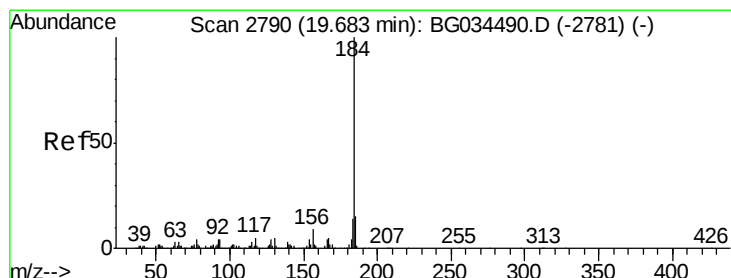
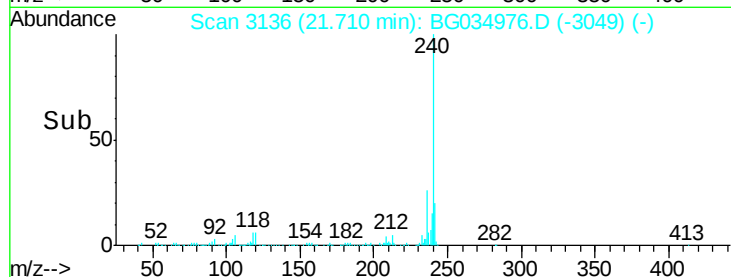
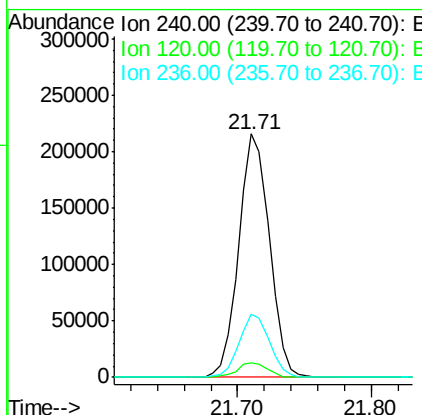
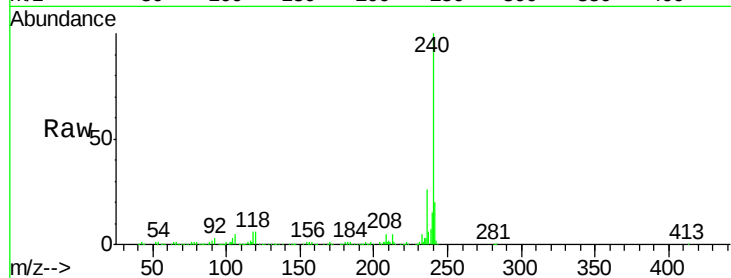
Acq: 8 Jun 2018 7:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:240	Resp:	342400
Ion Ratio	Lower	Upper
240	100	
120	5.9	6.8 10.2#
236	25.7	20.9 31.3



#76

Benzidine

Concen: 2.01 ng

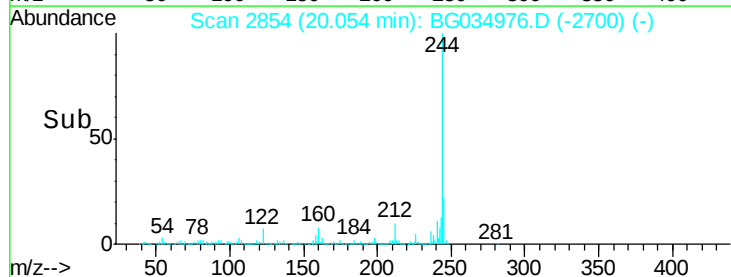
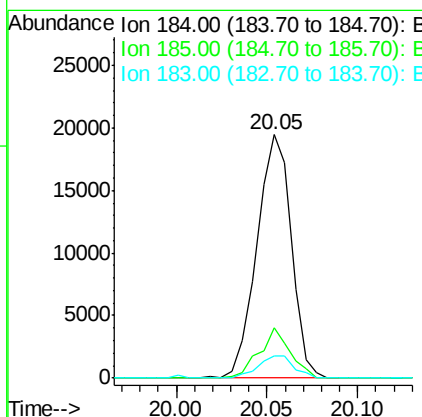
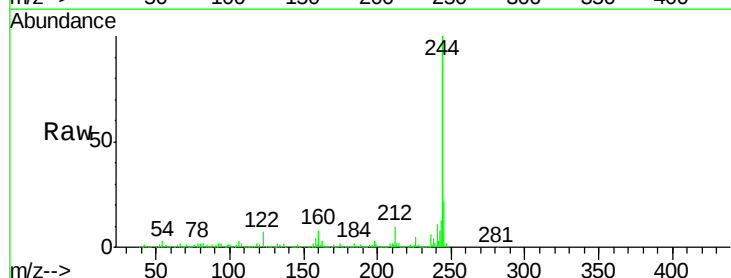
RT: 20.05 min Scan# 2854

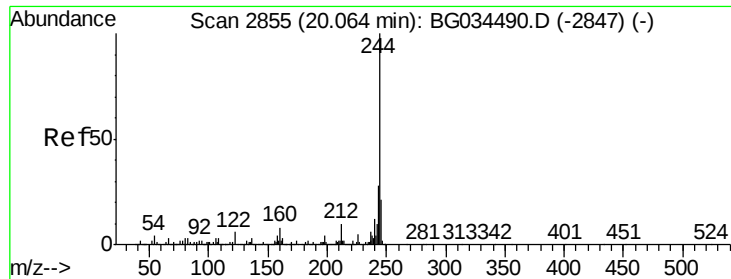
Delta R.T. 0.38 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Tgt Ion:184	Resp:	25634
Ion Ratio	Lower	Upper
184	100	
185	20.6	11.1 16.7#
183	9.3	10.6 16.0#





#78

Terphenyl-d14

Concen: 85.16 ng

RT: 20.05 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

Instrument :

BNA_G

ClientSampled :

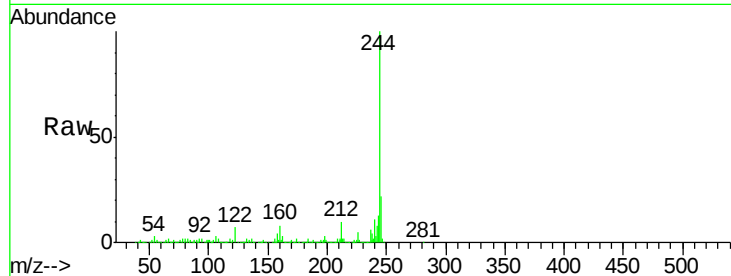
Tot Ion:244 Resp: 1392000

Ion Ratio Lower Upper

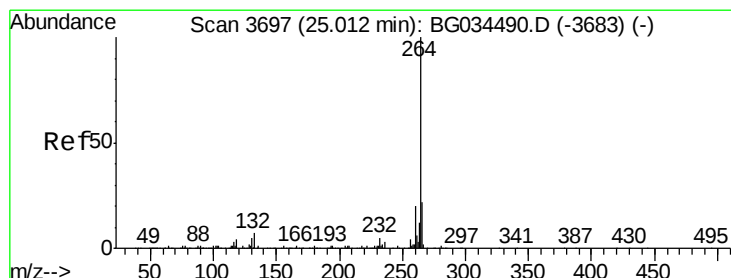
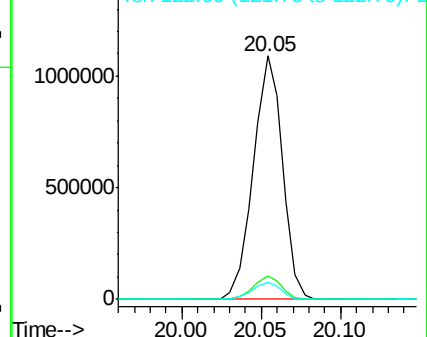
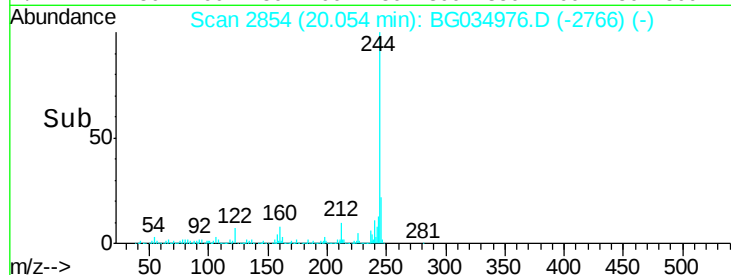
244 100

212 9.7 5.8 8.8#

122 7.3 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

Perylene-d12

Concen: 20.00 ng

RT: 24.95 min Scan# 3688

Delta R.T. -0.03 min

Lab File: BG034976.D

Acq: 8 Jun 2018 7:10

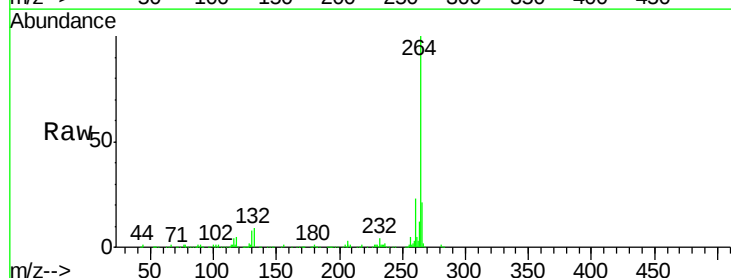
Tgt Ion:264 Resp: 343443

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.0

265 21.4 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

