

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034956.D
 Acq On : 7 Jun 2018 17:26
 Operator : SJ/JU
 Sample : J3241-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB110027BS

Quant Time: Jun 08 04:32:02 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

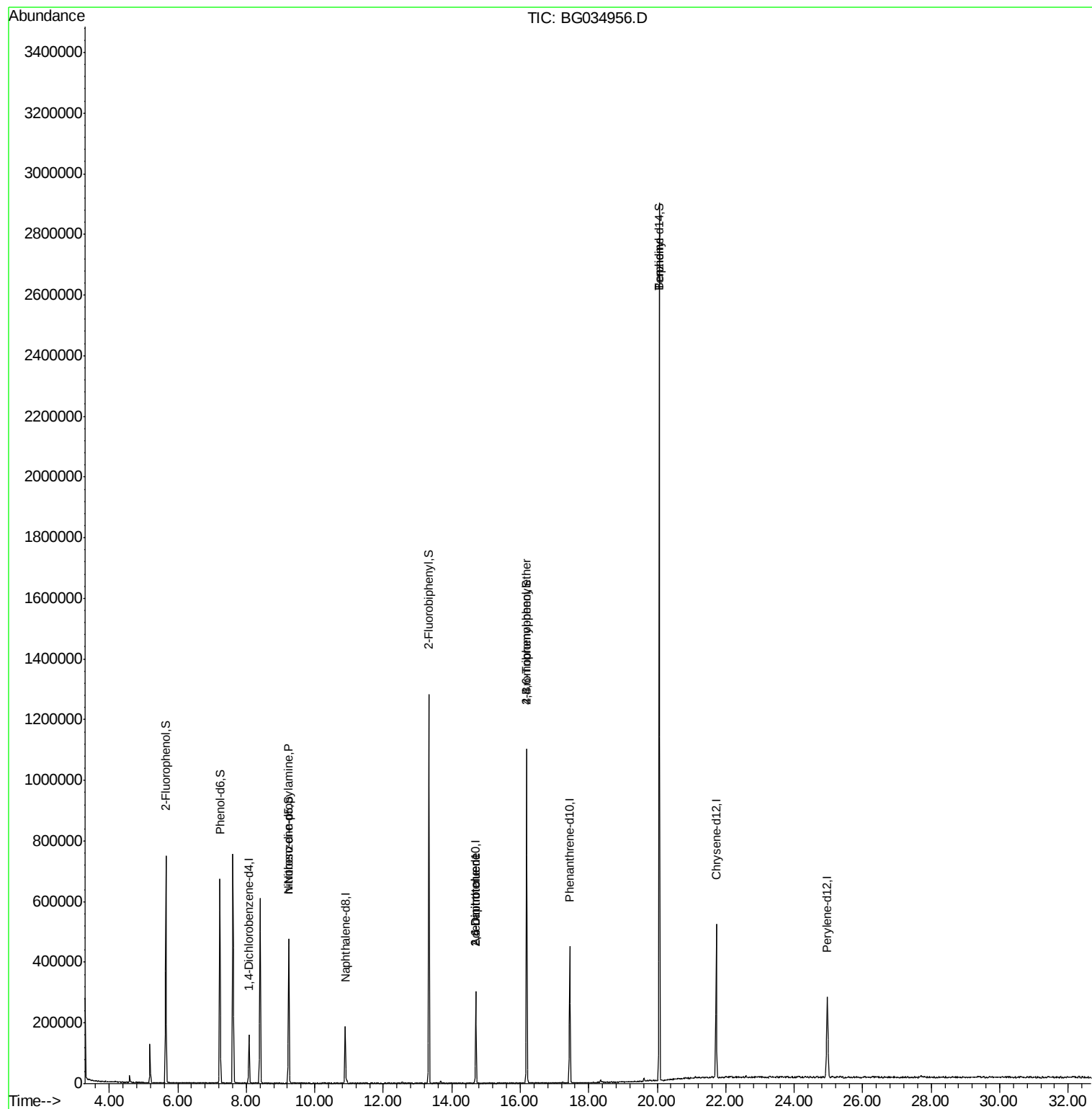
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	39689	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	148622	20.00	ng	0.00
38) Acenaphthene-d10	14.70	164	100800	20.00	ng	0.00
63) Phenanthrene-d10	17.45	188	277489	20.00	ng	0.00
75) Chrysene-d12	21.72	240	320622	20.00	ng	-0.01
86) Perylene-d12	24.96	264	292754	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	295603	125.69	ng	0.00
7) Phenol-d6	7.23	99	390735	112.57	ng	0.00
23) Nitrobenzene-d5	9.24	82	301846	96.54	ng	-0.01
41) 2,4,6-Tribromophenol	16.19	330	190616	147.72	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	656551	84.67	ng	0.00
78) Terphenyl-d14	20.06	244	1325415	86.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	41845	14.19	ng	# 73
50) 2,6-Dinitrotoluene	14.70	165	13010	8.11	ng	# 20
56) 2,4-Dinitrotoluene	14.70	165	13010	6.11	ng	# 18
66) 4-Bromophenyl-phenylether	16.18	248	15050	4.50	ng	# 1
76) Benzidine	20.06	184	24705	2.07	ng	# 84

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

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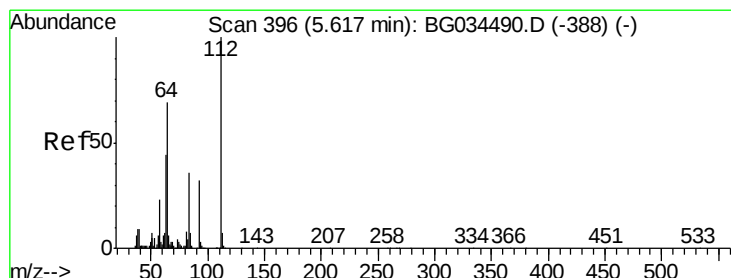
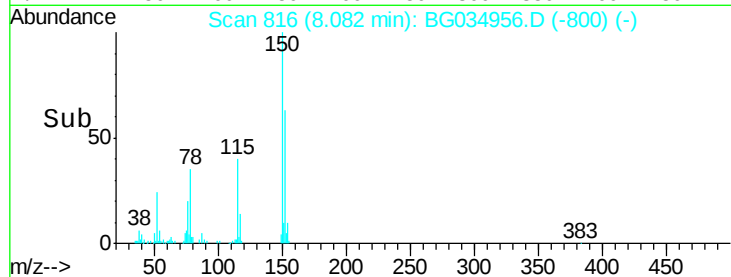
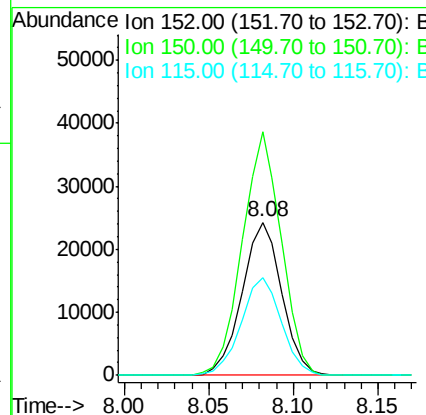
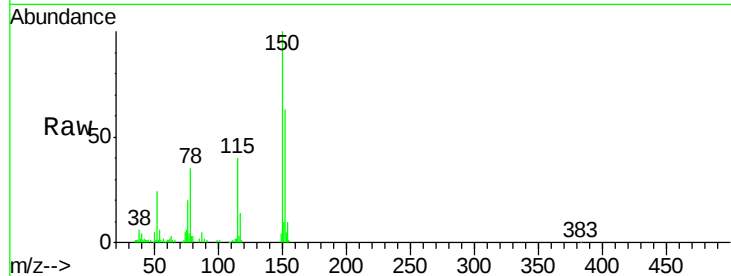


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG034956.D
Acq: 7 Jun 2018 17:26

Instrument :
BNA_G
ClientSampleId :
PB110027BS

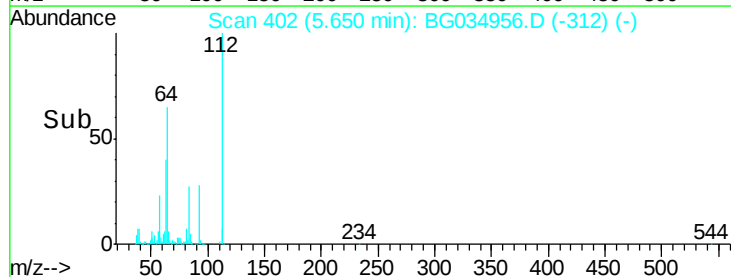
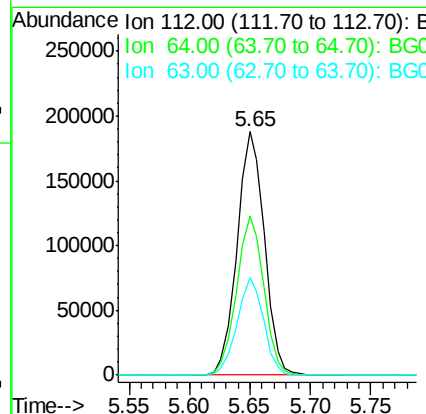
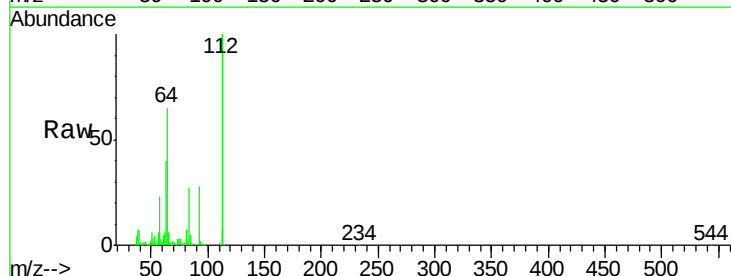
Tot Ion:152 Resp: 39689
Ion Ratio Lower Upper
152 100
150 158.8 126.6 189.8
115 63.4 53.0 79.4

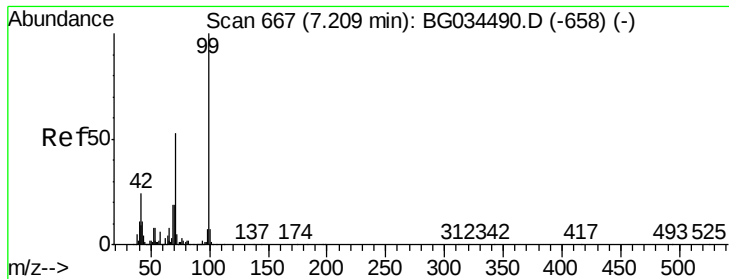


#5

2-Fluorophenol
Concen: 125.69 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG034956.D
Acq: 7 Jun 2018 17:26

Tgt Ion:112 Resp: 295603
Ion Ratio Lower Upper
112 100
64 65.2 56.3 84.5
63 40.4 30.1 45.1





#7

Phenol-d6

Concen: 112.57 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG034956.D

Acq: 7 Jun 2018 17:26

Instrument :

BNA_G

ClientSampleId :

PB110027BS

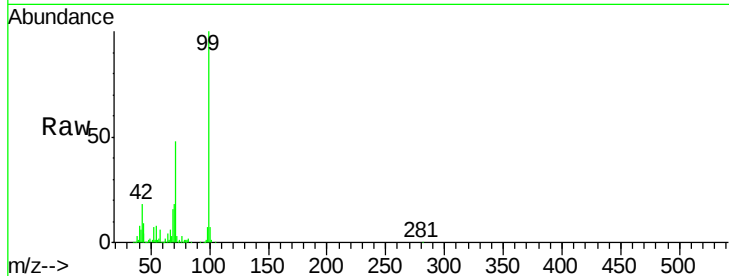
Tot Ion: 99 Resp: 390735

Ion Ratio Lower Upper

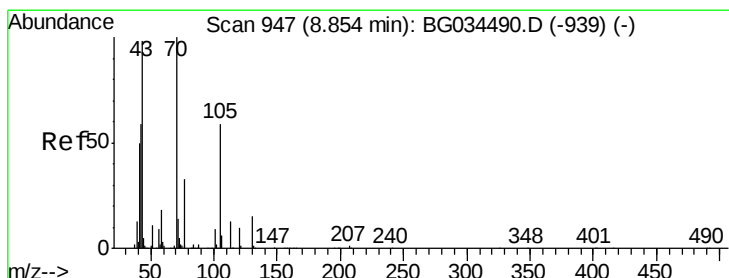
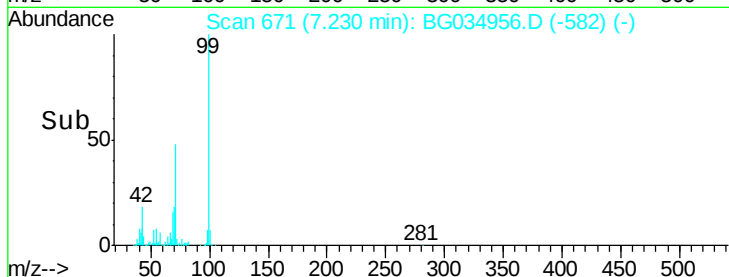
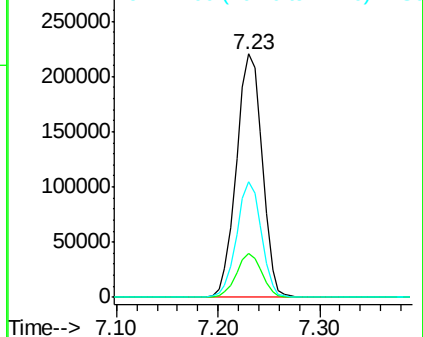
99 100

42 17.9 14.1 21.1

71 47.7 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: 14.19 ng

RT: 9.24 min Scan# 1013

Delta R.T. 0.34 min

Lab File: BG034956.D

Acq: 7 Jun 2018 17:26

Tgt Ion: 70 Resp: 41845

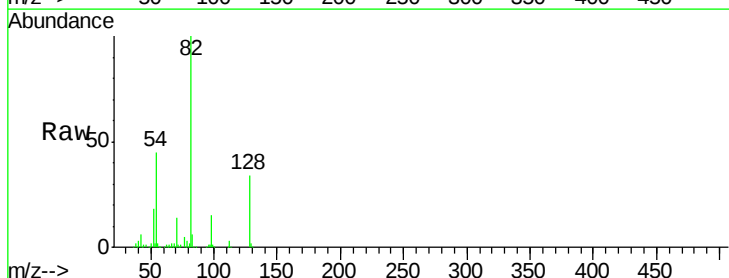
Ion Ratio Lower Upper

70 100

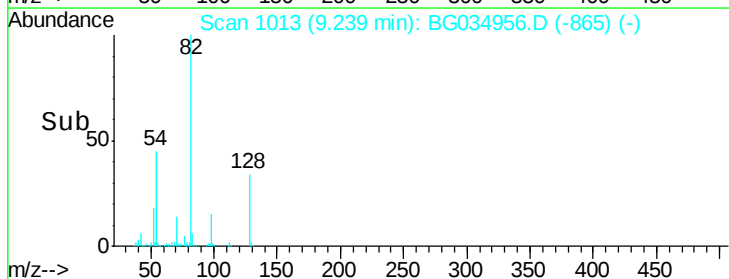
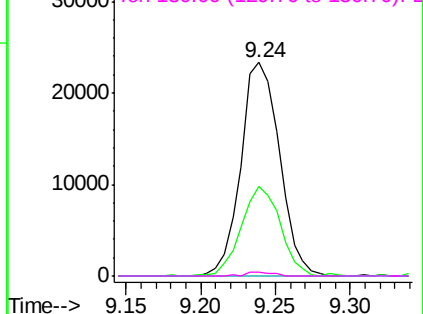
42 42.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 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

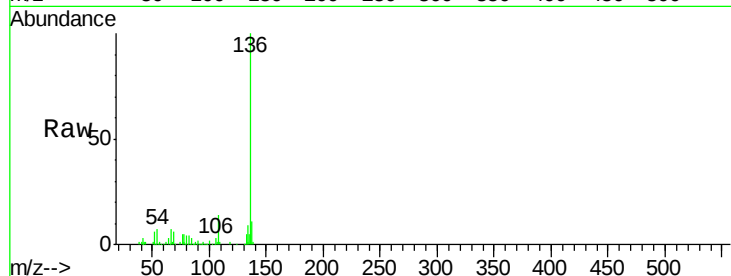




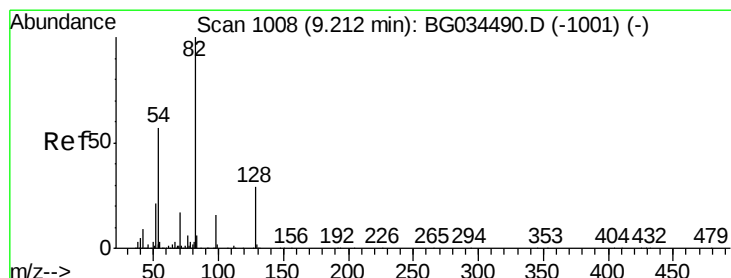
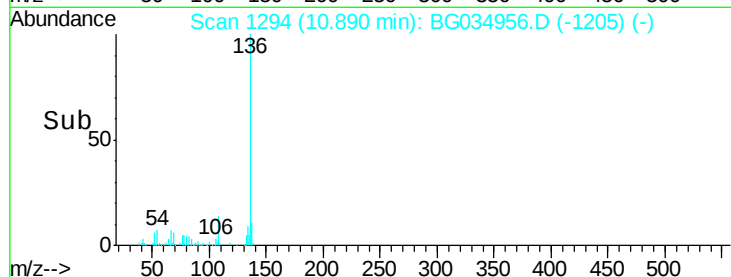
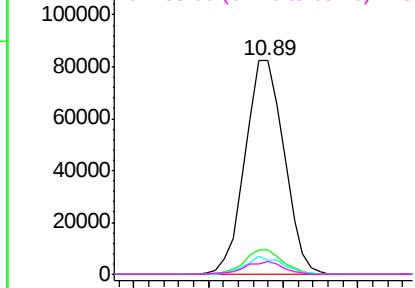
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BG034956.D
Acq: 7 Jun 2018 17:26

Instrument :
BNA_G
ClientSampleId :
PB110027BS

Tot Ion:136	Resp:	148622	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.2	13.8	
54 6.8	10.3	15.5#	
68 5.8	4.5	6.7	

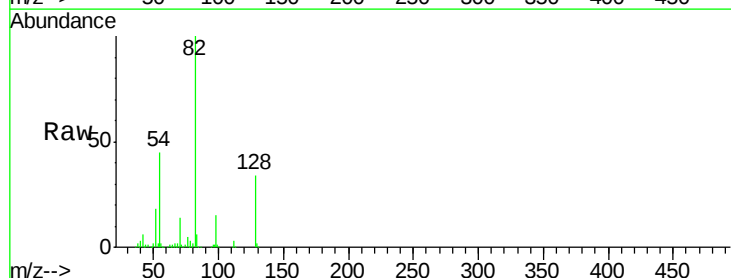


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

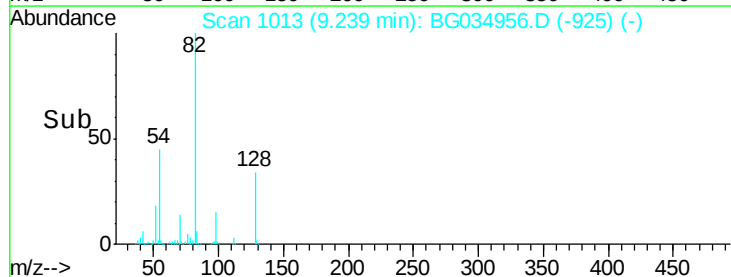
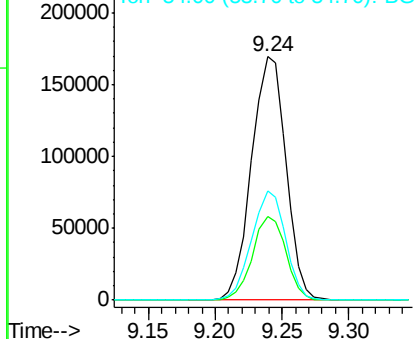


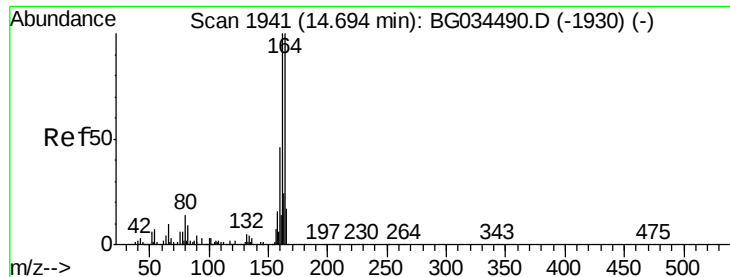
#23
Nitrobenzene-d5
Concen: 96.54 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034956.D
Acq: 7 Jun 2018 17:26

Tgt Ion: 82	Resp: 301846
Ion Ratio	Lower Upper
82 100	
128 34.2	29.7 44.5
54 45.1	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# 1943

Delta R.T. -0.01 min

Lab File: BG034956.D

Acq: 7 Jun 2018 17:26

Instrument :

BNA_G

ClientSampleId :

PB110027BS

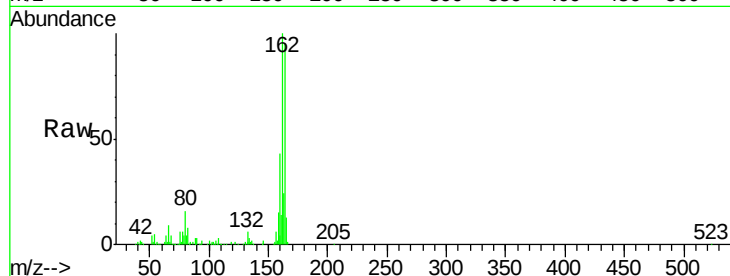
Tot Ion:164 Resp: 100800

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

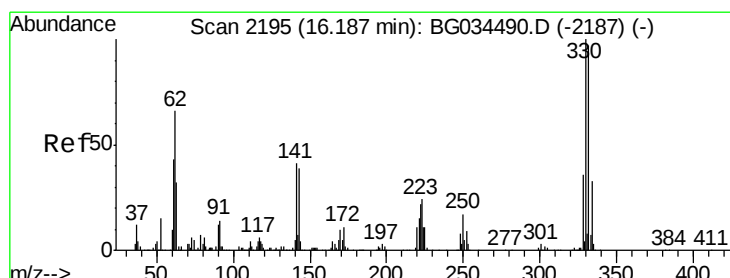
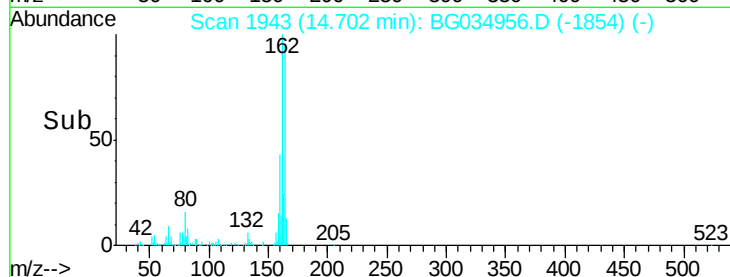
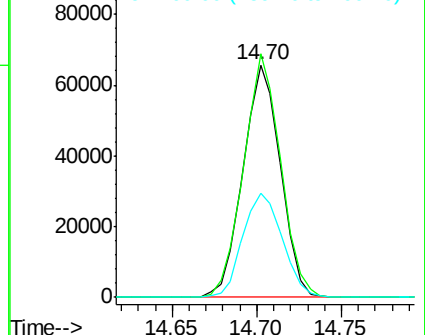
160 44.8 35.4 53.0



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: 147.72 ng

RT: 16.19 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BG034956.D

Acq: 7 Jun 2018 17:26

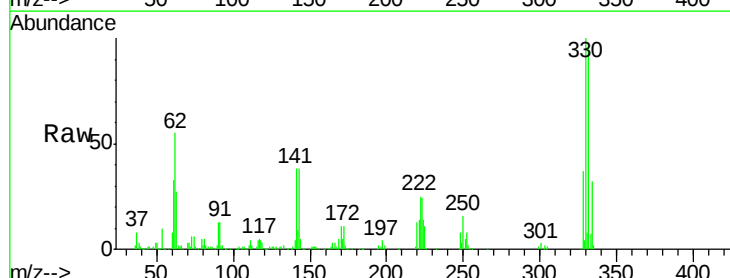
Tgt Ion:330 Resp: 190616

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

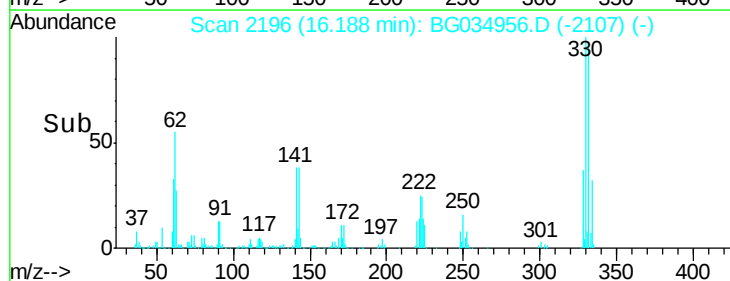
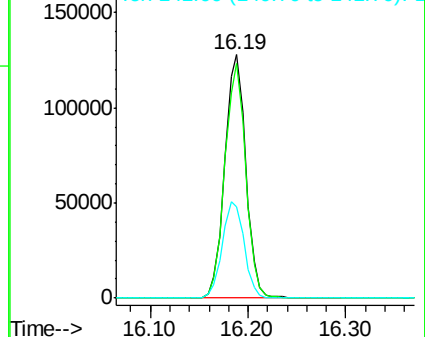
141 41.5 25.2 37.8#

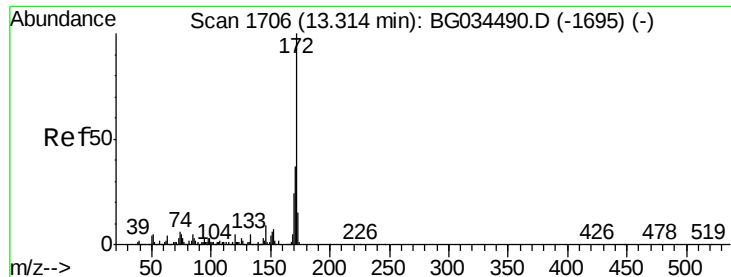


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

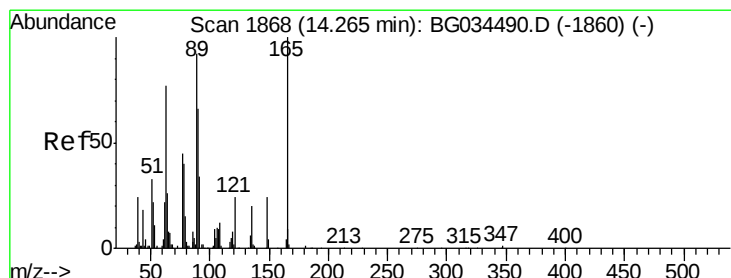
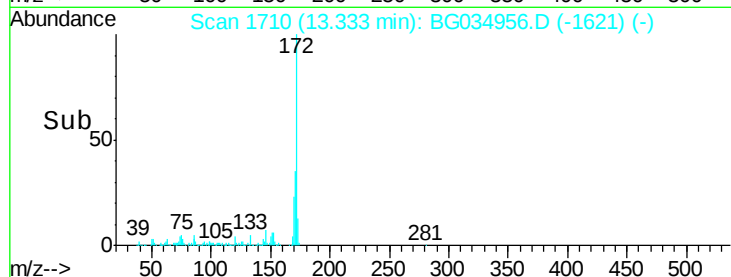
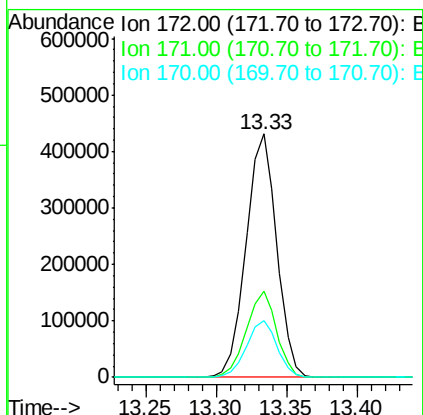
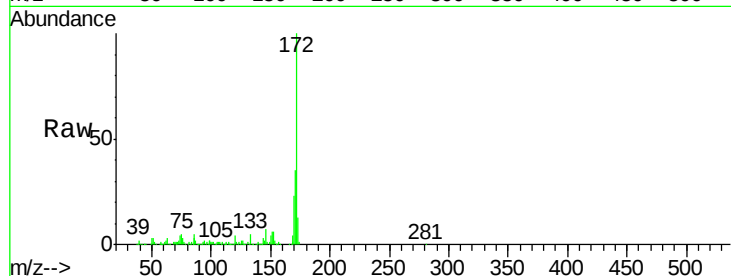




#44
2-Fluorobiphenyl
Concen: 84.67 ng
RT: 13.33 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BG034956.D
Acq: 7 Jun 2018 17:26

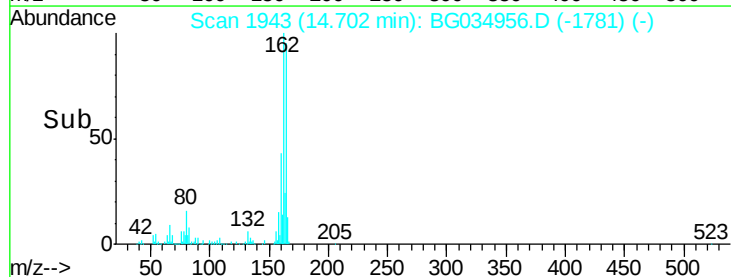
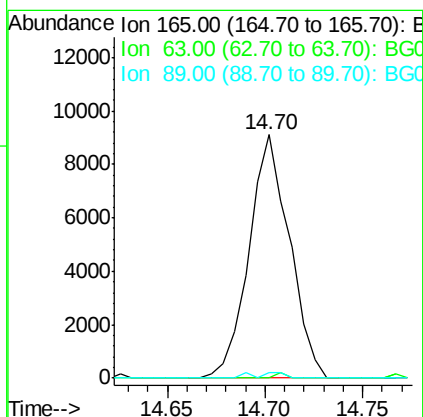
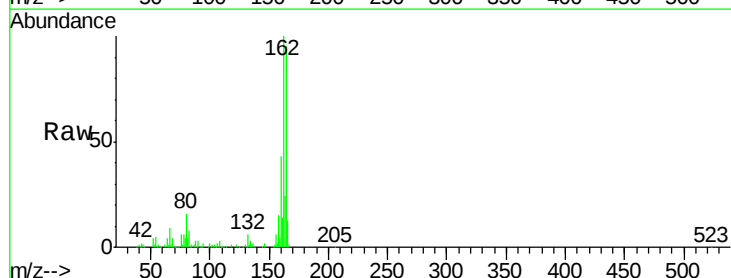
Instrument :
BNA_G
ClientSampleId :
PB110027BS

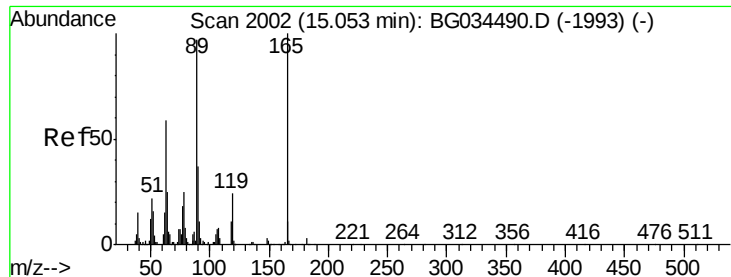
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.0	45.0
170	23.2	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 8.11 ng
RT: 14.70 min Scan# 1943
Delta R.T. 0.42 min
Lab File: BG034956.D
Acq: 7 Jun 2018 17:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	2.0	49.2	73.8#

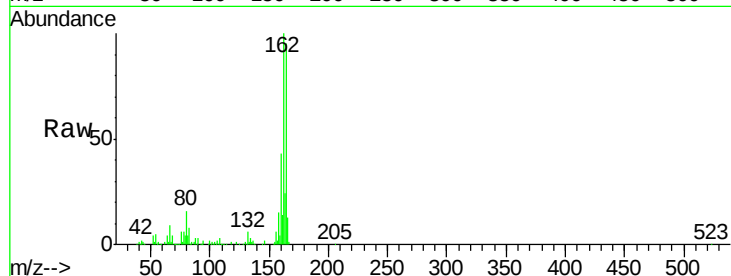




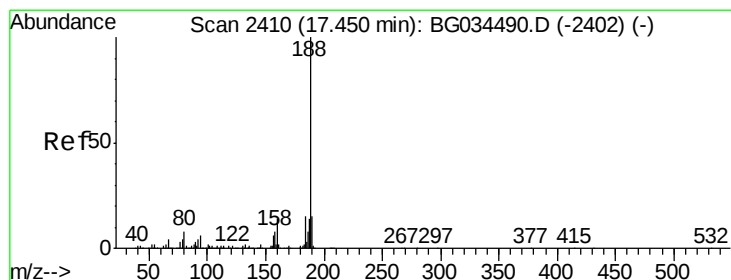
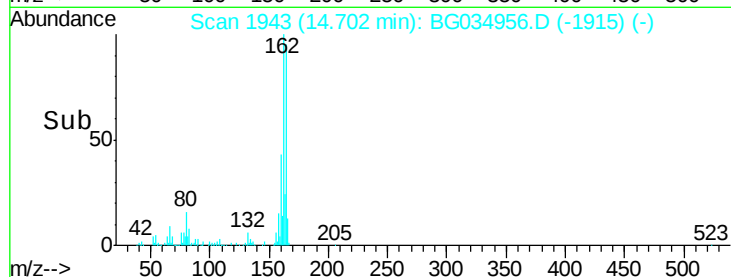
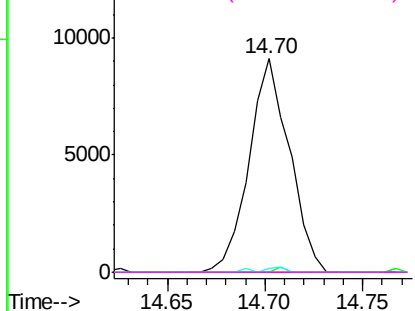
#56
 2,4-Dinitrotoluene
 Concen: 6.11 ng
 RT: 14.70 min Scan# 1943
 Delta R.T. -0.36 min
 Lab File: BG034956.D
 Acq: 7 Jun 2018 17:26

Instrument :
 BNA_G
 ClientSampleId :
 PB110027BS

Tot Ion:165 Resp: 13010
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.0 66.9 100.3#
 182 0.0 2.6 3.8#

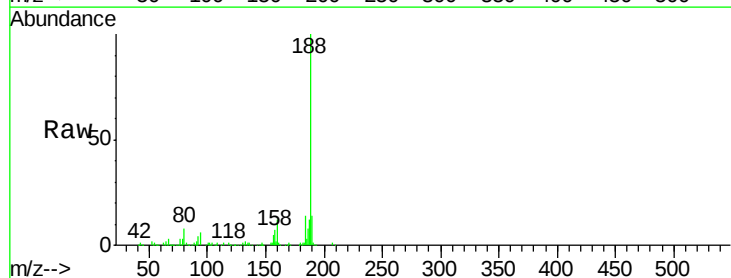


Abundance Ion 165.00 (164.70 to 165.70): E

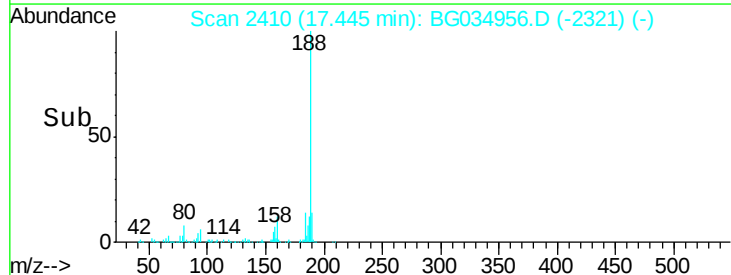
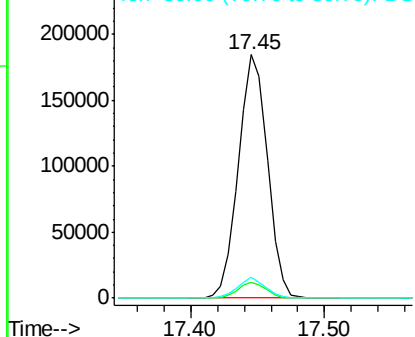


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.45 min Scan# 2410
 Delta R.T. -0.01 min
 Lab File: BG034956.D
 Acq: 7 Jun 2018 17:26

Tgt Ion:188 Resp: 277489
 Ion Ratio Lower Upper
 188 100
 94 6.3 6.9 10.3#
 80 8.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

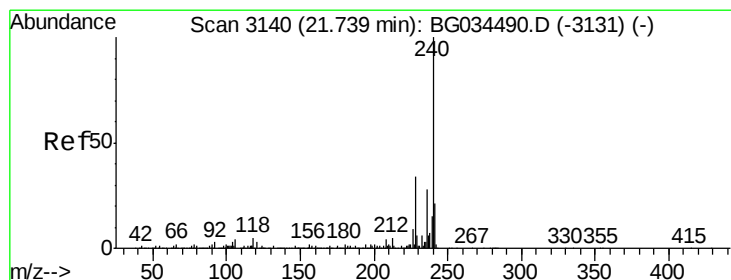
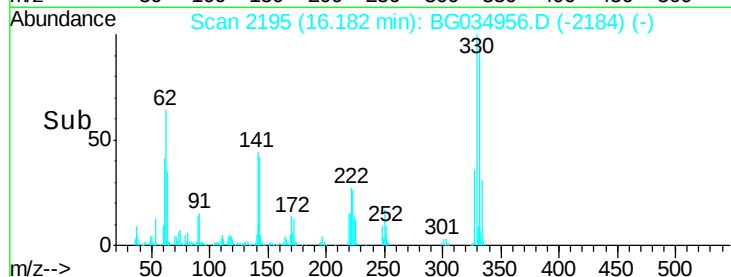
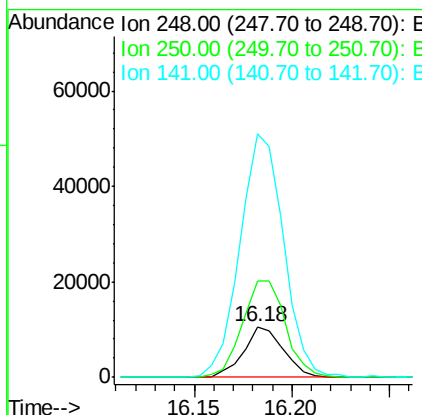
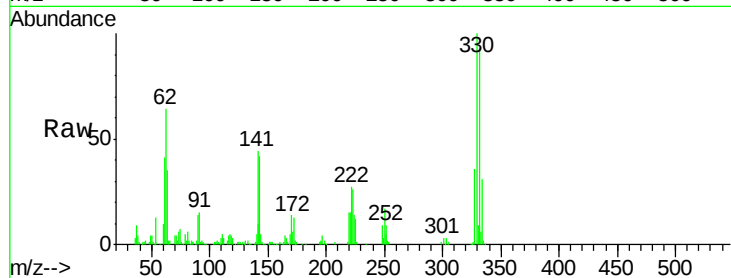




#66
 4-Bromophenyl-phenylether
 Concen: 4.50 ng
 RT: 16.18 min Scan# 2195
 Delta R.T. -0.46 min
 Lab File: BG034956.D
 Acq: 7 Jun 2018 17:26

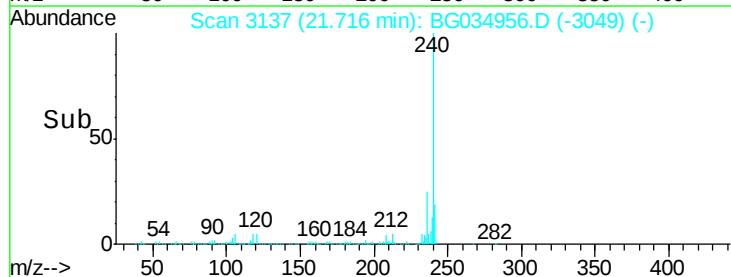
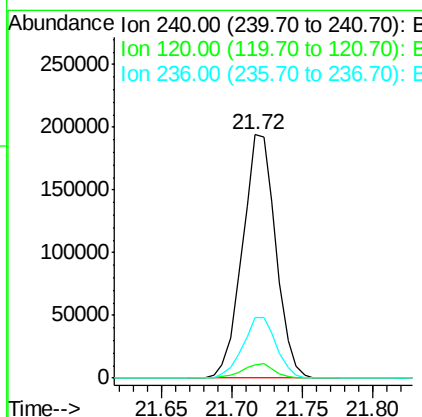
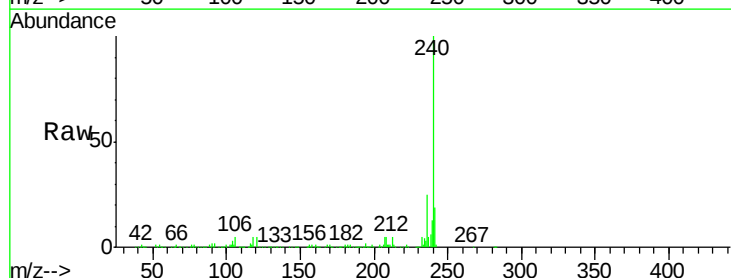
Instrument :
 BNA_G
 ClientSampleId :
 PB110027BS

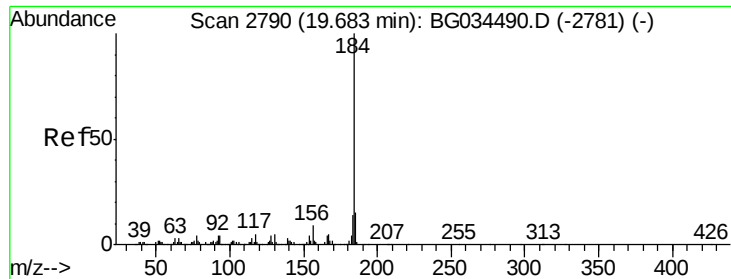
Tot Ion:248 Resp: 15050
 Ion Ratio Lower Upper
 248 100
 250 190.7 77.1 115.7#
 141 479.7 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.72 min Scan# 3137
 Delta R.T. -0.01 min
 Lab File: BG034956.D
 Acq: 7 Jun 2018 17:26

Tgt Ion:240 Resp: 320622
 Ion Ratio Lower Upper
 240 100
 120 5.2 6.8 10.2#
 236 24.9 20.9 31.3





#76

Benzidine

Concen: 2.07 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.38 min

Lab File: BG034956.D

Acq: 7 Jun 2018 17:26

Instrument :

BNA_G

ClientSampleId :

PB110027BS

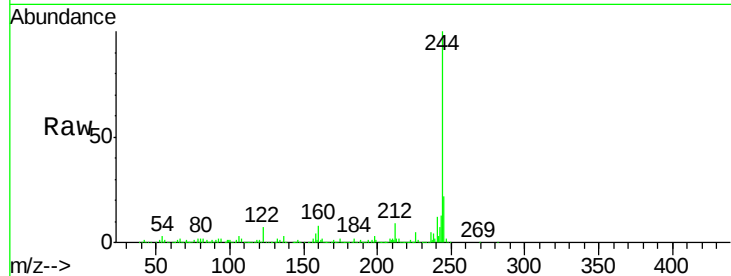
Tot Ion:184 Resp: 24705

Ion Ratio Lower Upper

184 100

185 20.6 11.1 16.7#

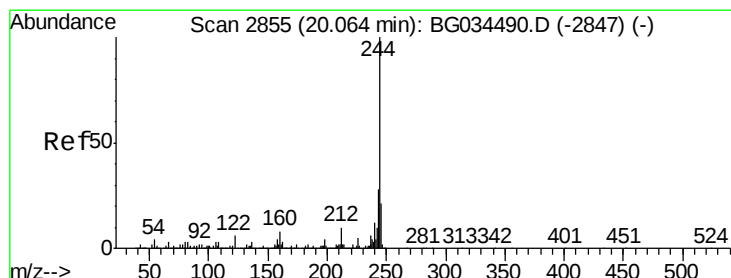
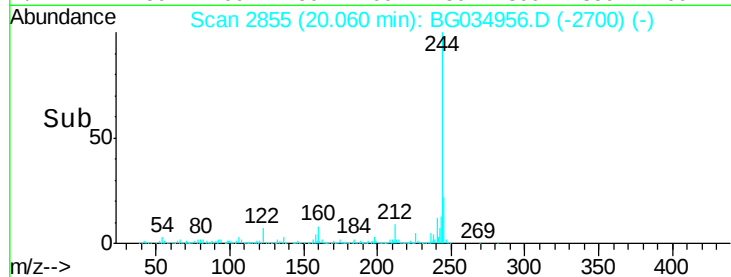
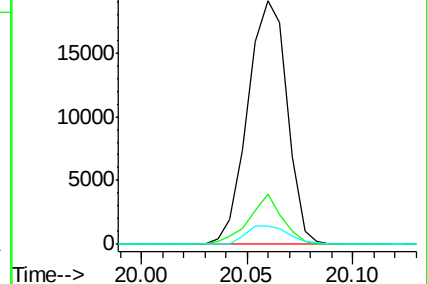
183 7.4 10.6 16.0#



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: 86.59 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG034956.D

Acq: 7 Jun 2018 17:26

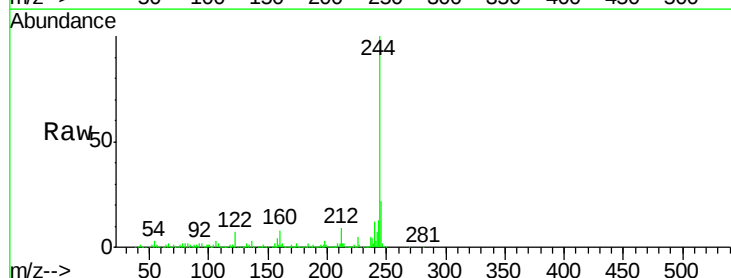
Tgt Ion:244 Resp: 1325415

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

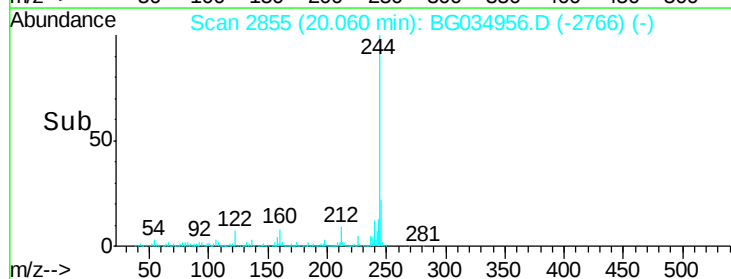
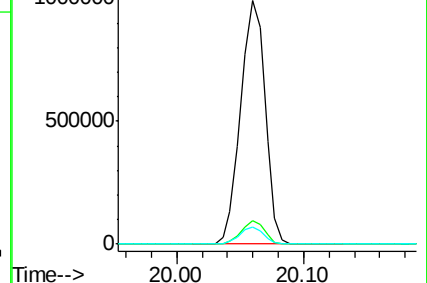
122 7.1 7.0 10.4

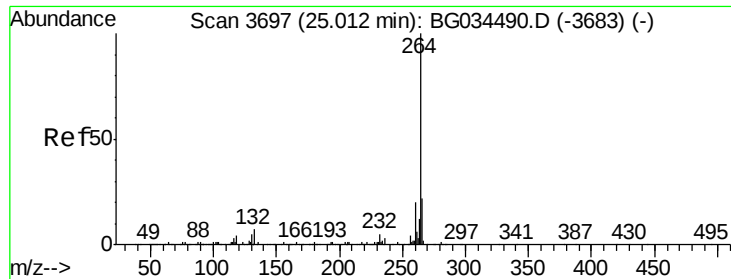


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG034956.D
 Acq: 7 Jun 2018 17:26

Instrument :
 BNA_G
 ClientSampleId :
 PB110027BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	20.3	17.7	26.5

