

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060718\
 Data File : BG034980.D
 Acq On : 8 Jun 2018 9:44
 Operator : SJ/JU
 Sample : J3344-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 08 12:27:14 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

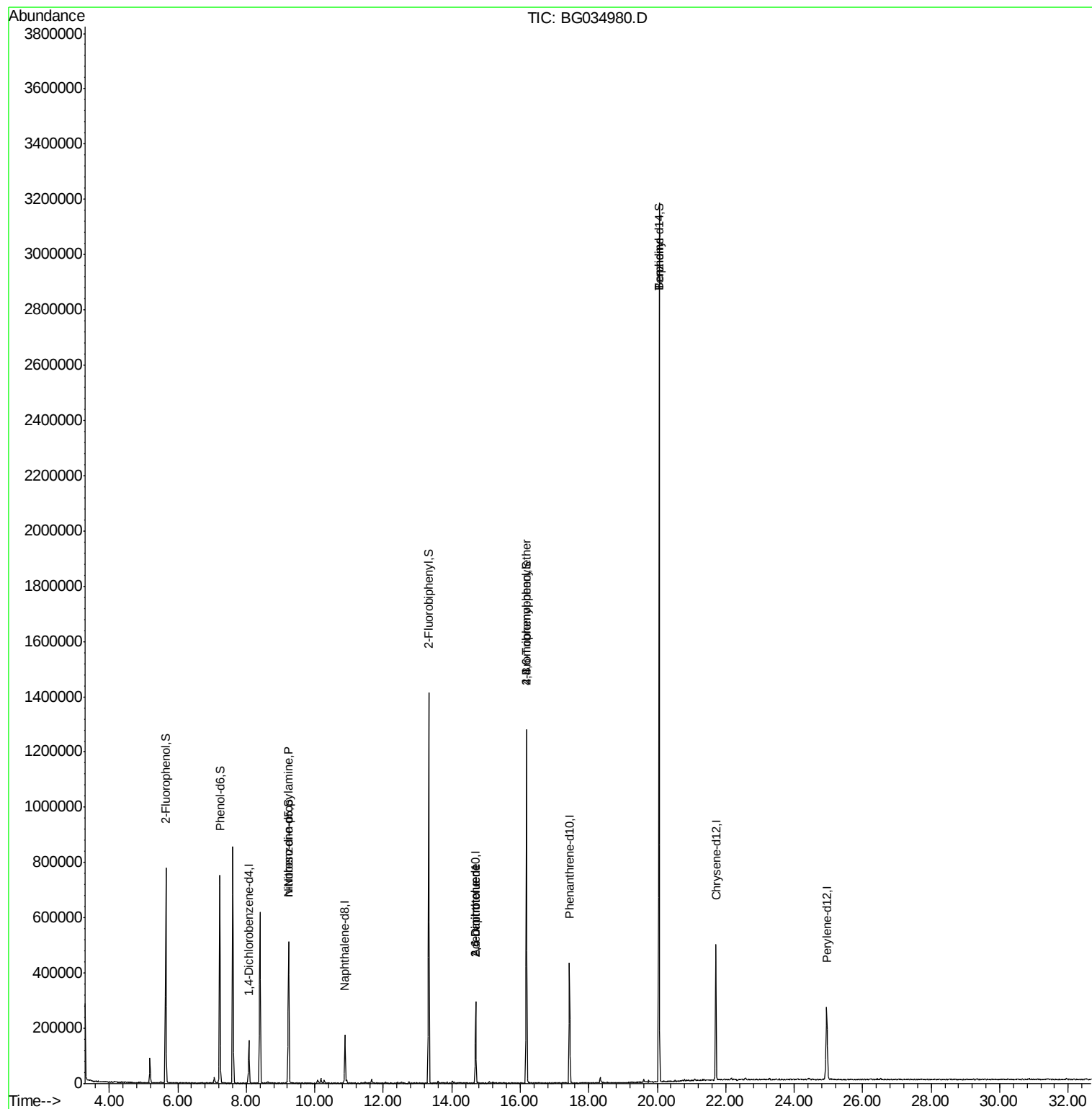
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	40632	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	140579	20.00	ng	-0.01
38) Acenaphthene-d10	14.70	164	97528	20.00	ng	-0.01
63) Phenanthrene-d10	17.44	188	273884	20.00	ng	-0.01
75) Chrysene-d12	21.71	240	295731	20.00	ng	-0.02
86) Perylene-d12	24.95	264	290197	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	323607	134.41	ng	0.00
7) Phenol-d6	7.23	99	431009	121.29	ng	0.00
23) Nitrobenzene-d5	9.24	82	336850	113.90	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	221490	177.41	ng	-0.01
44) 2-Fluorobiphenyl	13.33	172	747909	99.69	ng	-0.01
78) Terphenyl-d14	20.05	244	1465521	103.80	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	47293	15.665	ng	# 67
50) 2,6-Dinitrotoluene	14.70	165	13850	8.927	ng	# 20
56) 2,4-Dinitrotoluene	14.70	165	13850	6.720	ng	# 18
66) 4-Bromophenyl-phenylether	16.18	248	17963	5.446	ng	# 1
76) Benzidine	20.05	184	28194	2.563	ng	# 92

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

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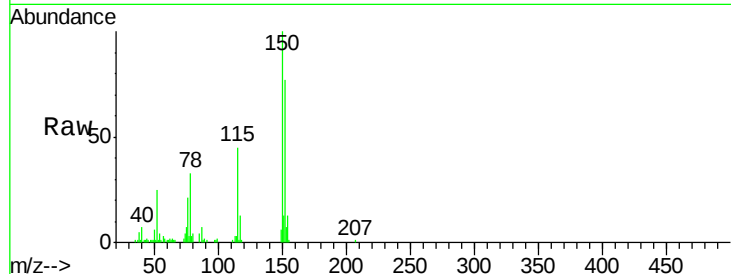


#1

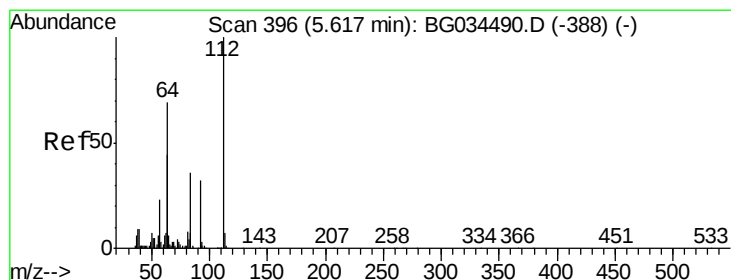
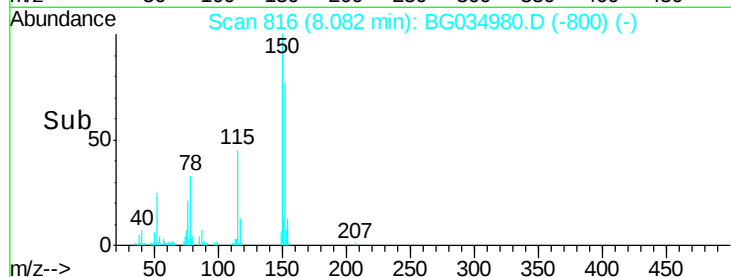
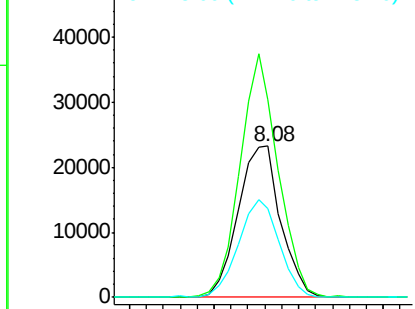
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 40632
Ion Ratio Lower Upper
152 100
150 130.2 126.6 189.8
115 58.7 53.0 79.4



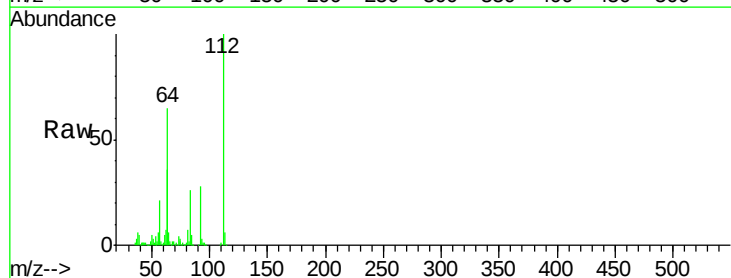
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



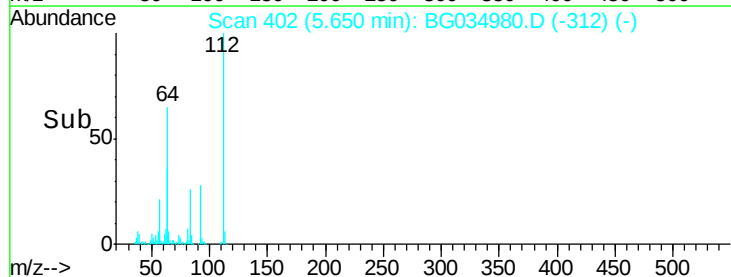
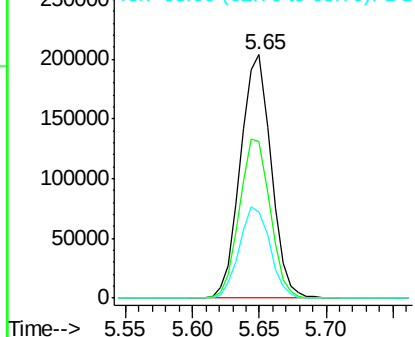
#5

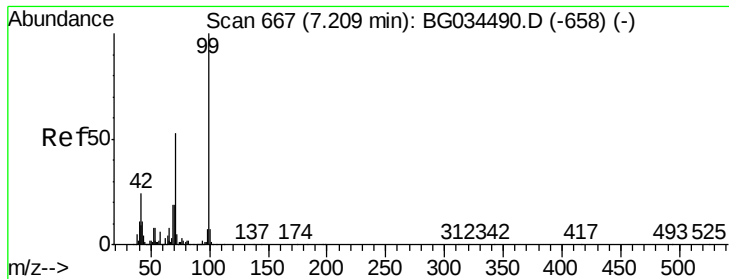
2-Fluorophenol
Concen: 134.407 ng
RT: 5.65 min Scan# 402
Delta R.T. 0.00 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Tgt Ion:112 Resp: 323607
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 35.6 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: 121.289 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG034980.D

Acq: 8 Jun 2018 9:44

Instrument :

BNA_G

ClientSampleId :

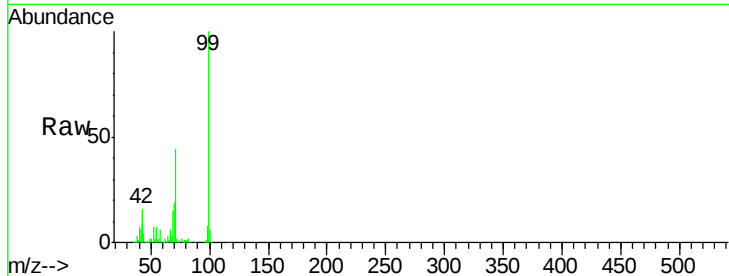
Tot Ion: 99 Resp: 431009

Ion Ratio Lower Upper

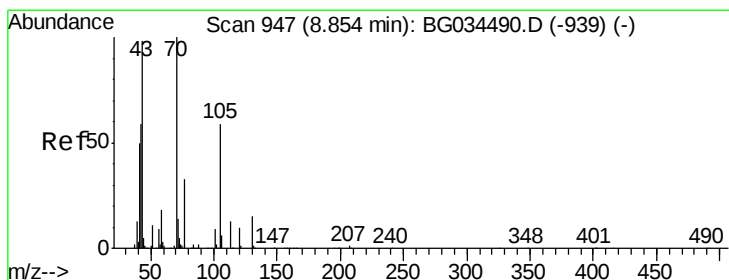
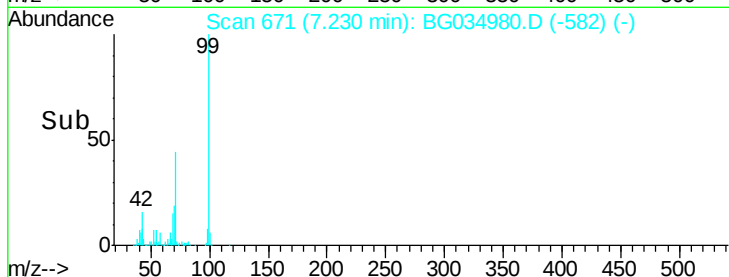
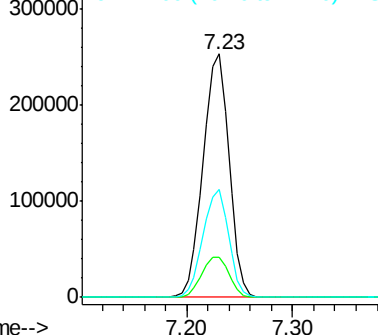
99 100

42 16.2 14.1 21.1

71 44.1 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: 15.665 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.34 min

Lab File: BG034980.D

Acq: 8 Jun 2018 9:44

Tgt Ion: 70 Resp: 47293

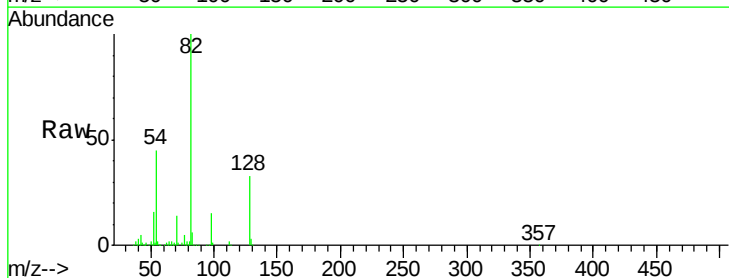
Ion Ratio Lower Upper

70 100

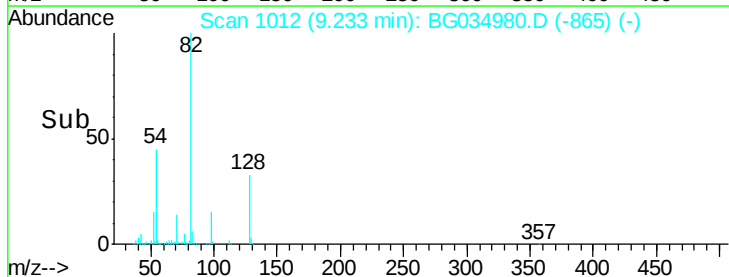
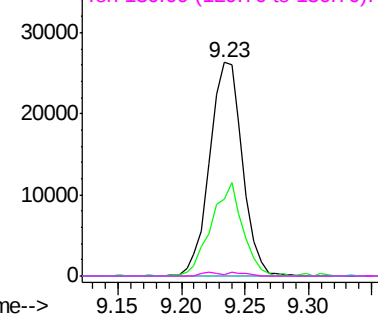
42 35.8 49.1 73.7#

101 0.0 8.5 12.7#

130 0.9 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

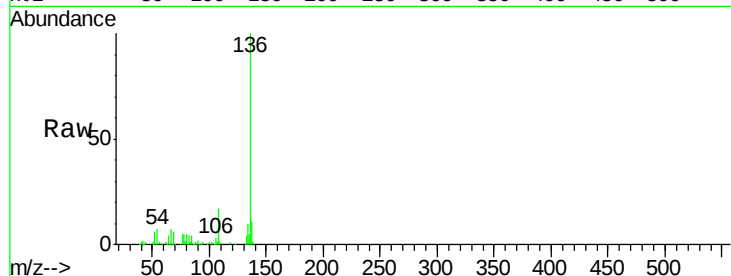




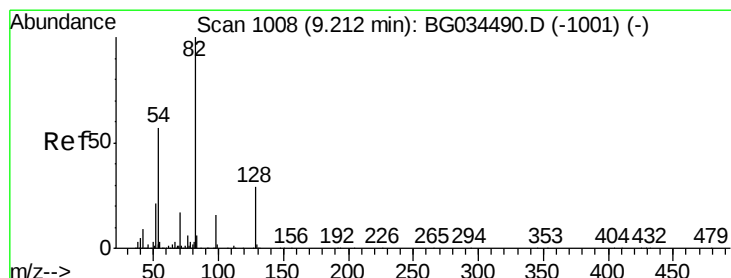
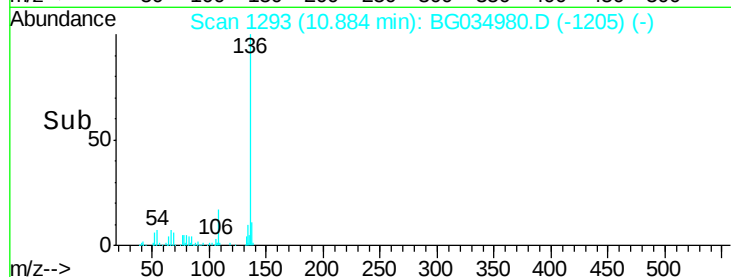
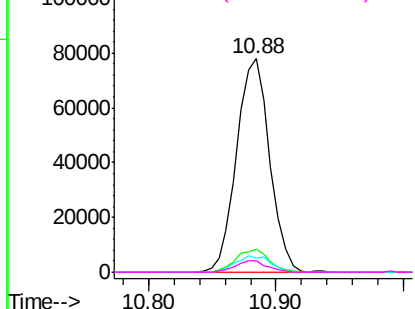
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	140579
Ion Ratio	Lower	Upper
136 100		
137 11.0	9.2	13.8
54 6.5	10.3	15.5#
68 5.6	4.5	6.7

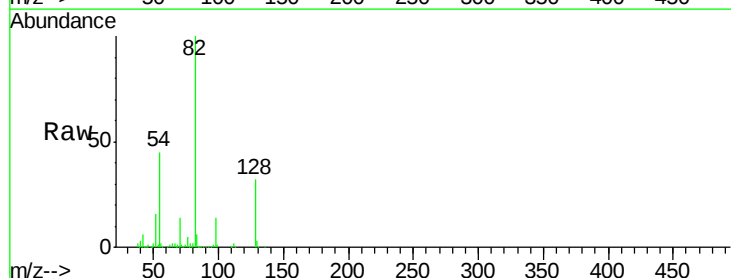


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

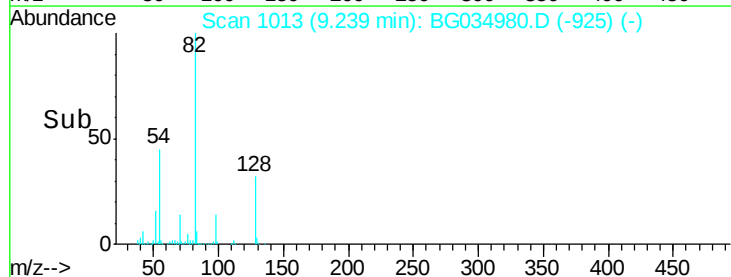
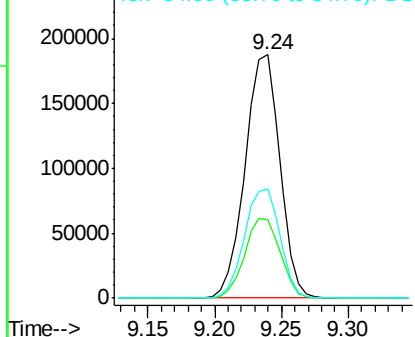


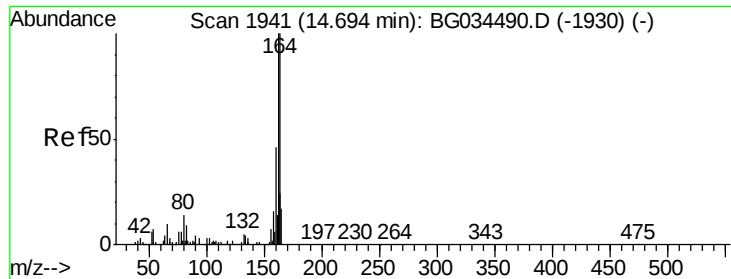
#23
Nitrobenzene-d5
Concen: 113.900 ng
RT: 9.24 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Tgt Ion: 82	Resp: 336850
Ion Ratio	Lower Upper
82 100	
128 32.0	29.7 44.5
54 44.7	43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

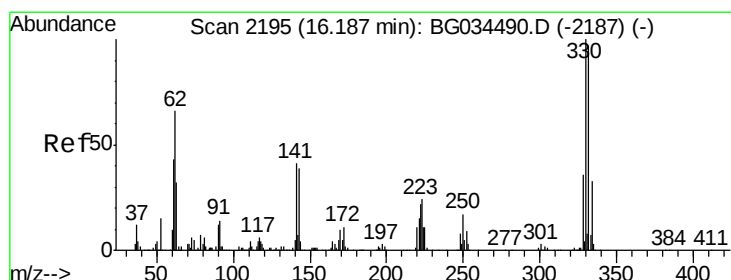
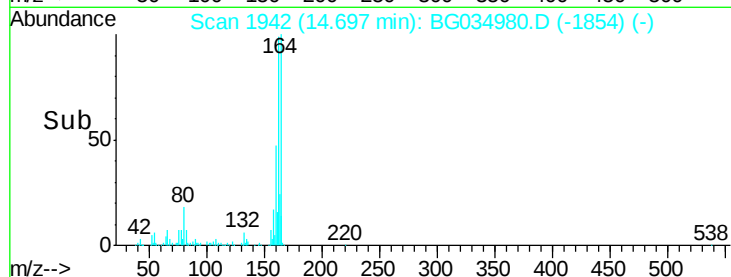
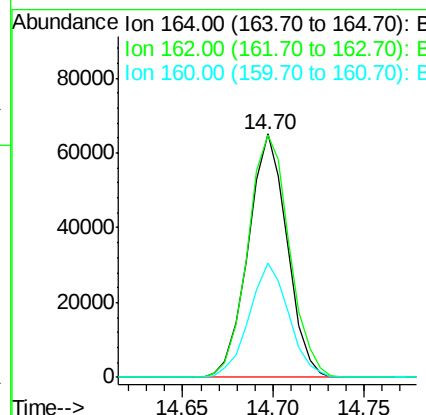
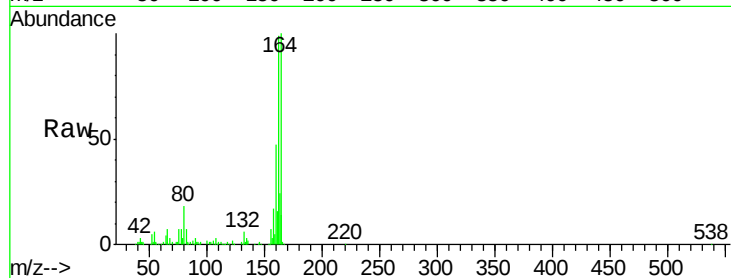




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

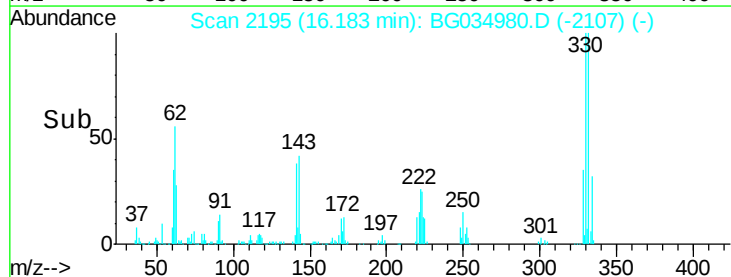
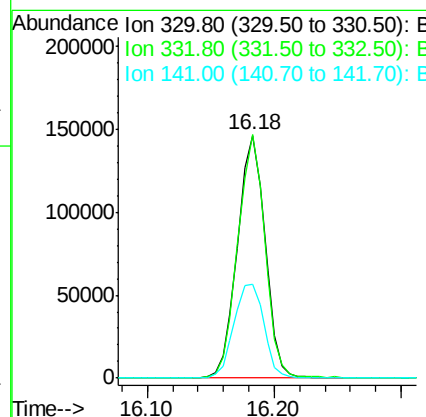
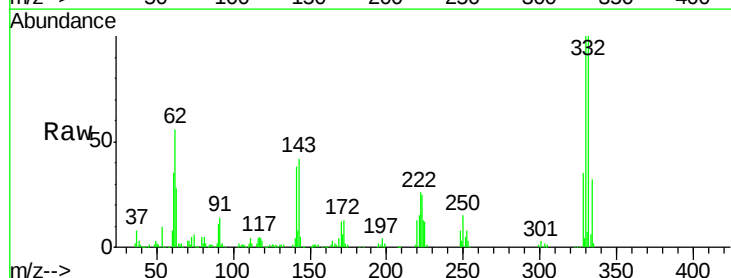
Instrument :
BNA_G
ClientSampleId :

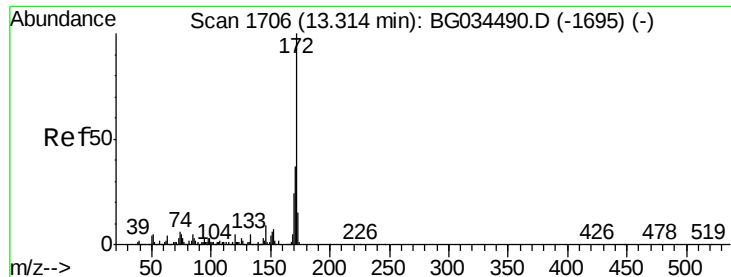
Tot Ion:164 Resp: 97528
Ion Ratio Lower Upper
164 100
162 99.4 78.8 118.2
160 46.8 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 177.407 ng
RT: 16.18 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Tgt Ion:330 Resp: 221490
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.6
141 41.9 25.2 37.8#

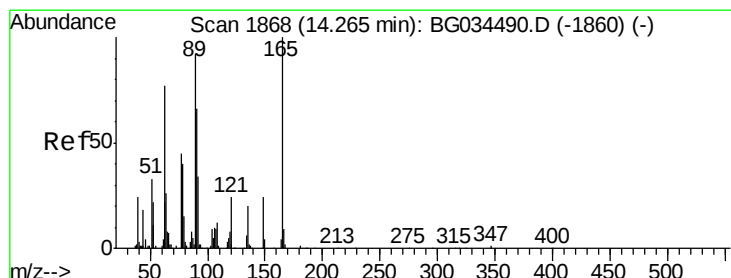
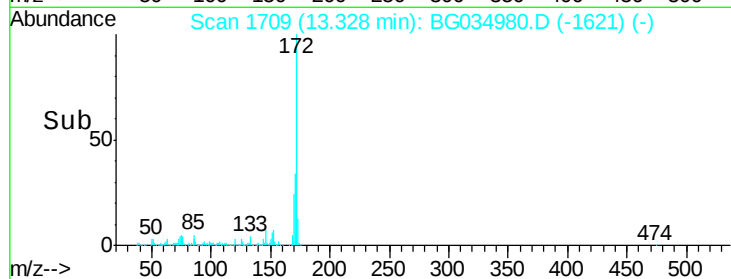
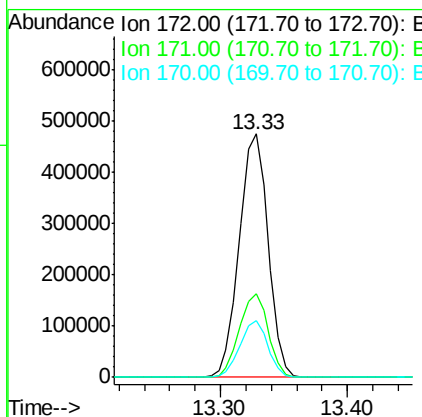
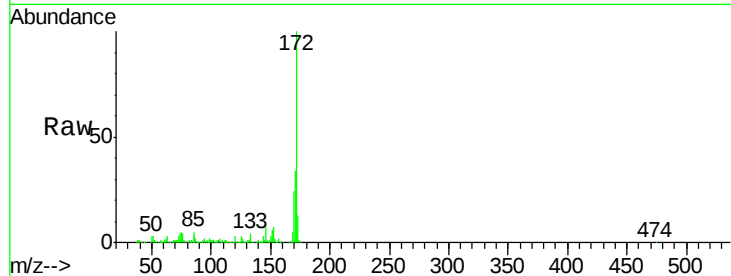




#44
 2-Fluorobiphenyl
 Concen: 99.692 ng
 RT: 13.33 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG034980.D
 Acq: 8 Jun 2018 9:44

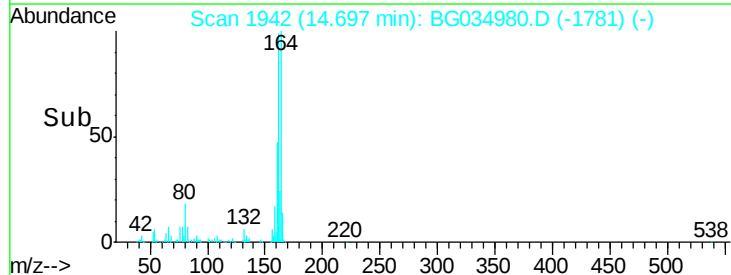
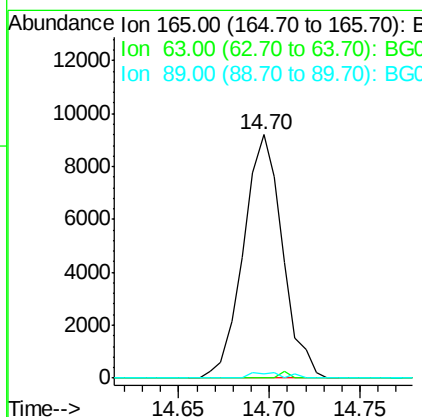
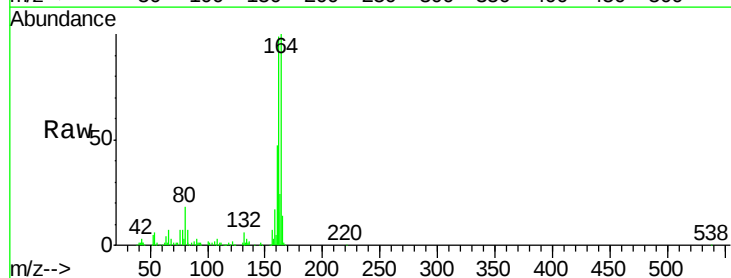
Instrument :
 BNA_G
 ClientSampleId :

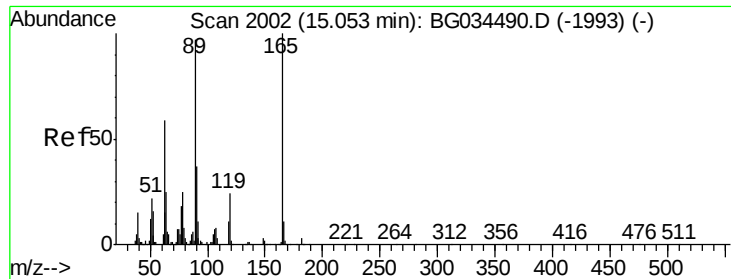
Tot Ion:172 Resp: 747909
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.0 45.0
 170 23.5 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.927 ng
 RT: 14.70 min Scan# 1942
 Delta R.T. 0.42 min
 Lab File: BG034980.D
 Acq: 8 Jun 2018 9:44

Tgt Ion:165 Resp: 13850
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.9 49.2 73.8#

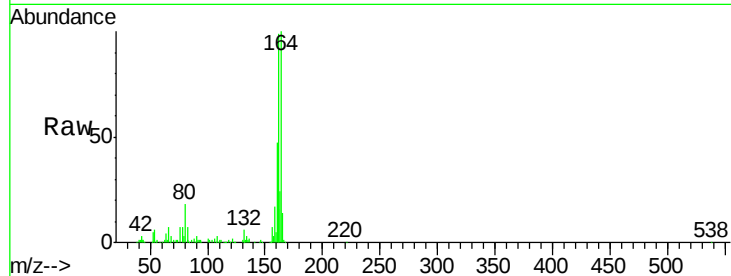




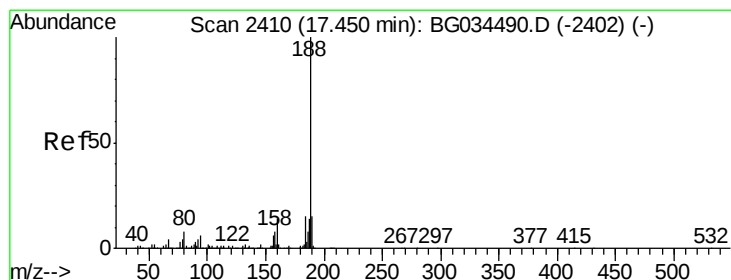
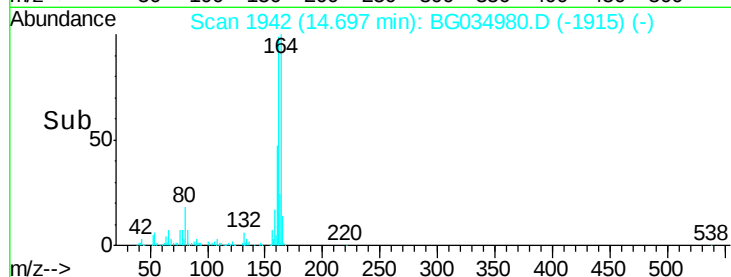
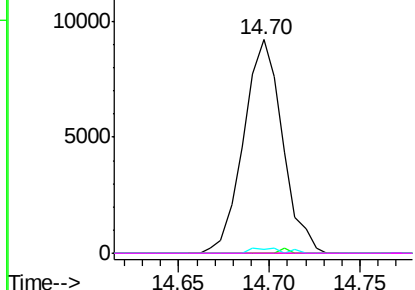
#56
2,4-Dinitrotoluene
Concen: 6.720 ng
RT: 14.70 min Scan# 1942
Delta R.T. -0.37 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 13850
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 1.9 66.9 100.3#
182 0.0 2.6 3.8#

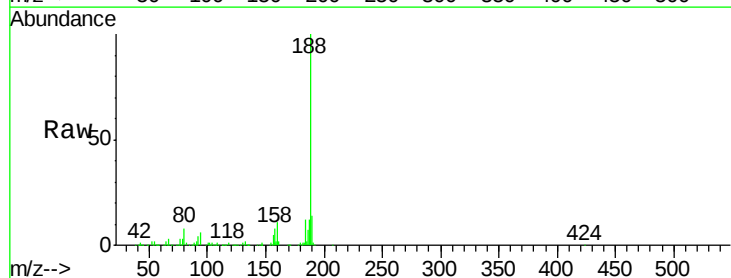


Abundance Ion 165.00 (164.70 to 165.70): E

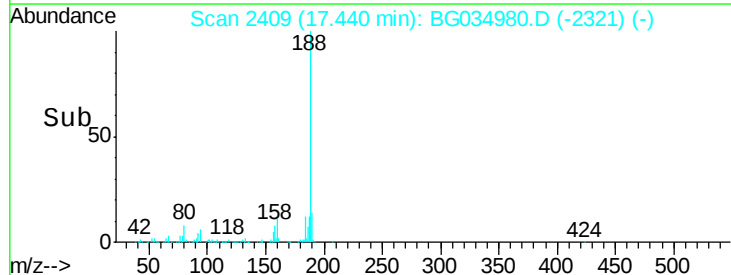
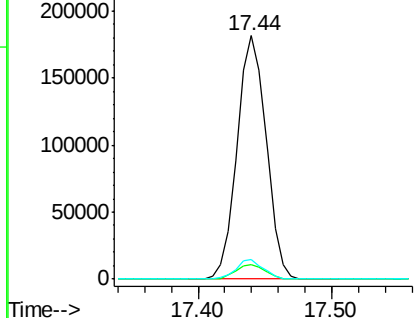


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Tgt Ion:188 Resp: 273884
Ion Ratio Lower Upper
188 100
94 5.8 6.9 10.3#
80 8.0 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

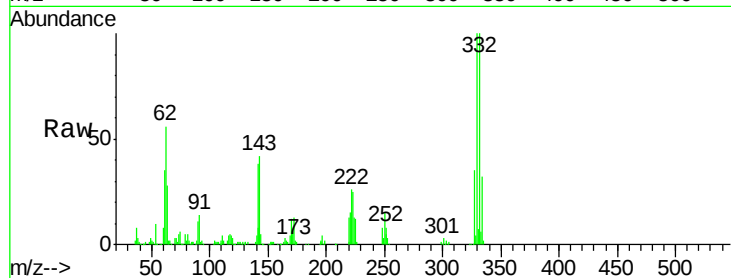




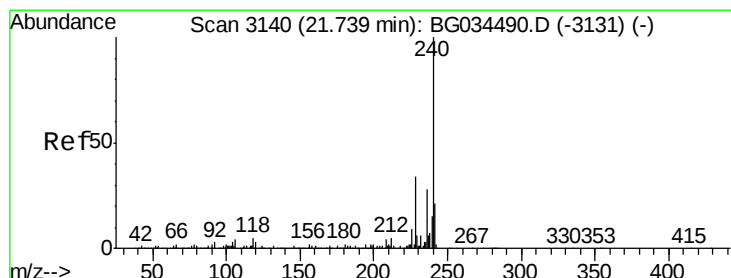
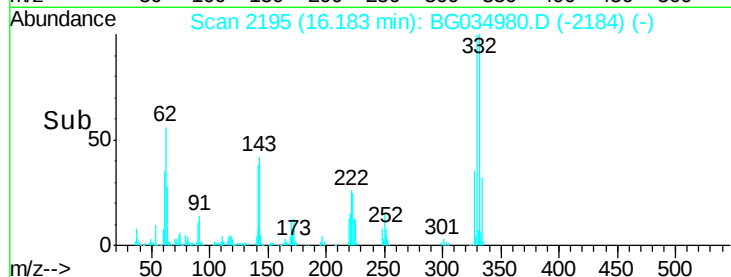
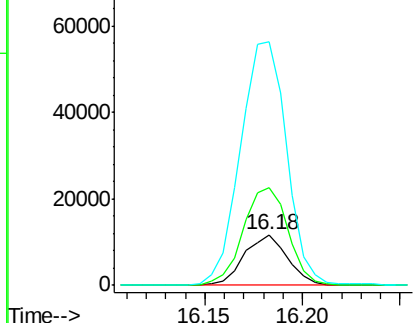
#66
4-Bromophenyl-phenylether
Concen: 5.446 ng
RT: 16.18 min Scan# 2195
Delta R.T. -0.46 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 17963
Ion Ratio Lower Upper
248 100
250 193.6 77.1 115.7#
141 479.9 50.8 76.2#

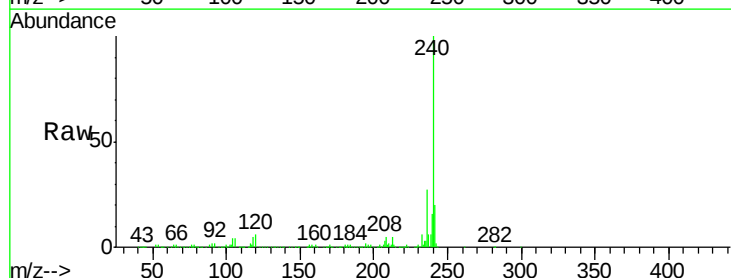


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

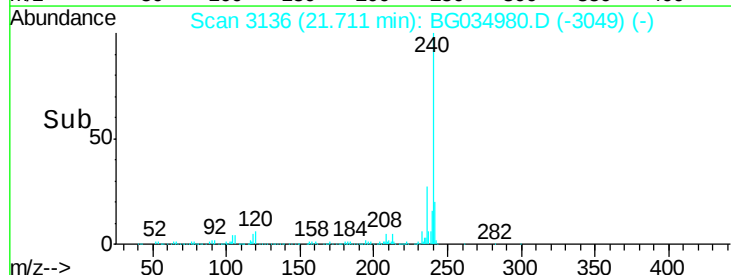
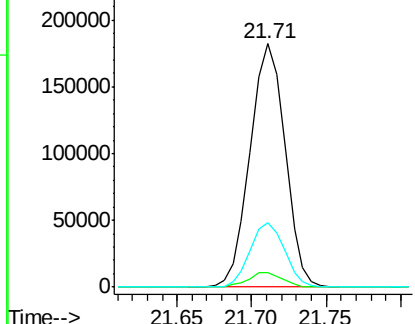


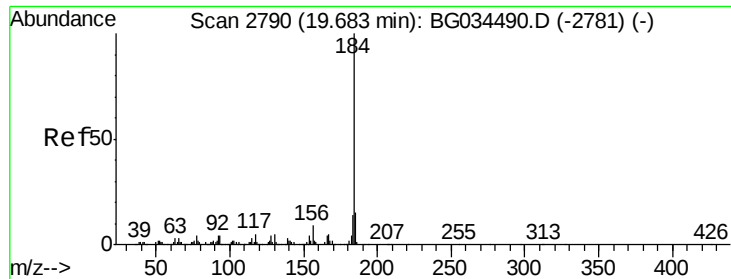
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3136
Delta R.T. -0.02 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

Tgt Ion:240 Resp: 295731
Ion Ratio Lower Upper
240 100
120 6.1 6.8 10.2#
236 26.6 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

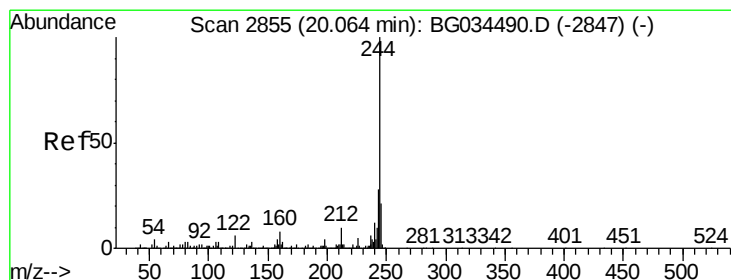
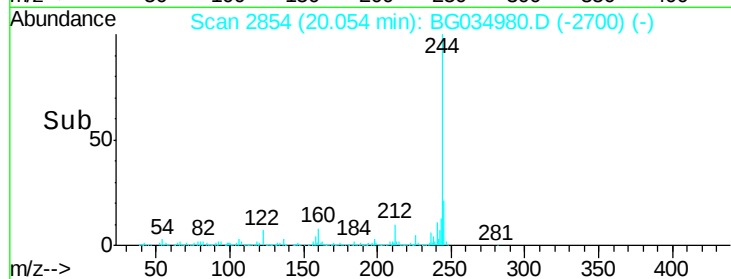
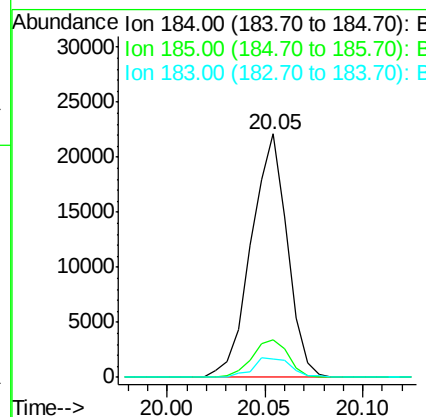
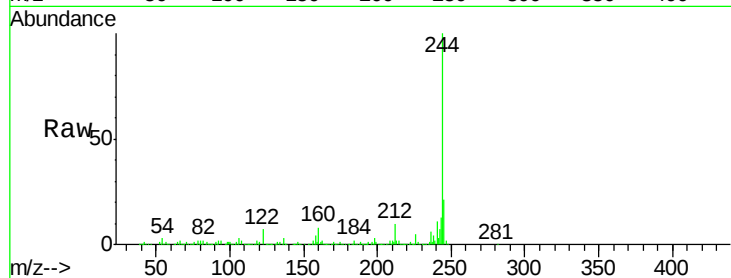




#76
Benzidine
Concen: 2.563 ng
RT: 20.05 min Scan# 2854
Delta R.T. 0.38 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

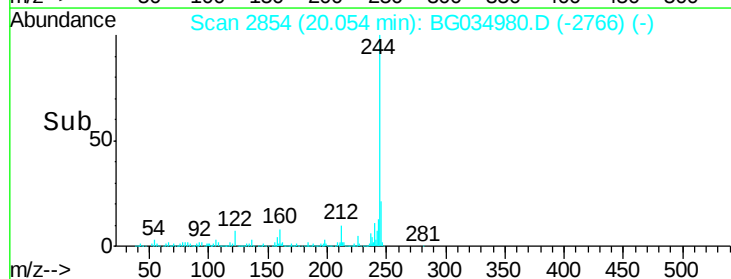
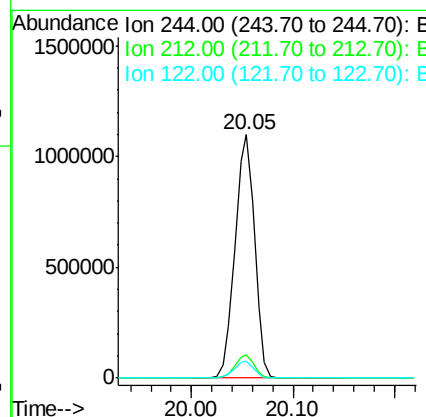
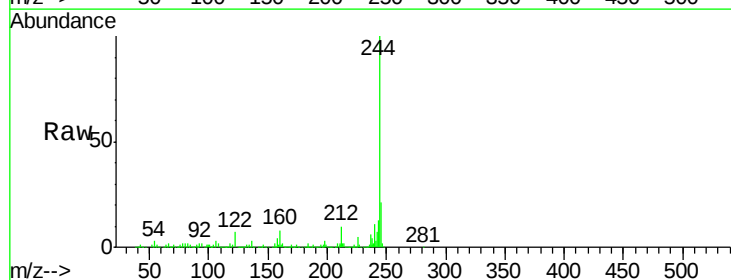
Instrument :
BNA_G
ClientSampleId :

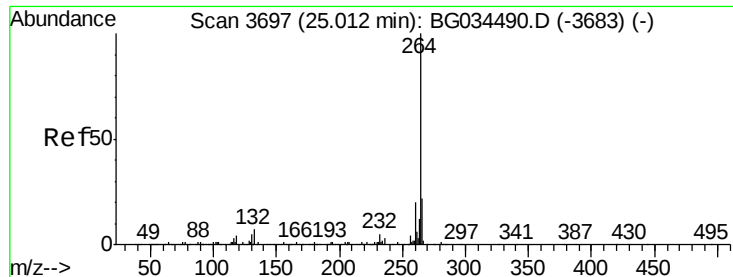
Tot Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.1	16.7
183	7.7	10.6	16.0#



#78
Terphenyl-d14
Concen: 103.803 ng
RT: 20.05 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BG034980.D
Acq: 8 Jun 2018 9:44

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

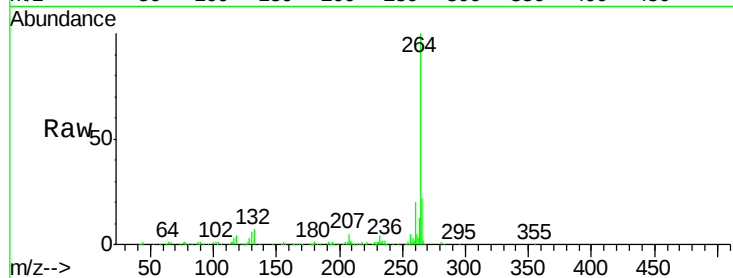




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.95 min Scan# 3688
 Delta R.T. -0.03 min
 Lab File: BG034980.D
 Acq: 8 Jun 2018 9:44

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.4	17.4	26.0
265	22.3	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

