

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
 Data File : BG040168.D
 Acq On : 27 Mar 2019 5:01
 Operator : JU/SJ
 Sample : K1693-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 13:43:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

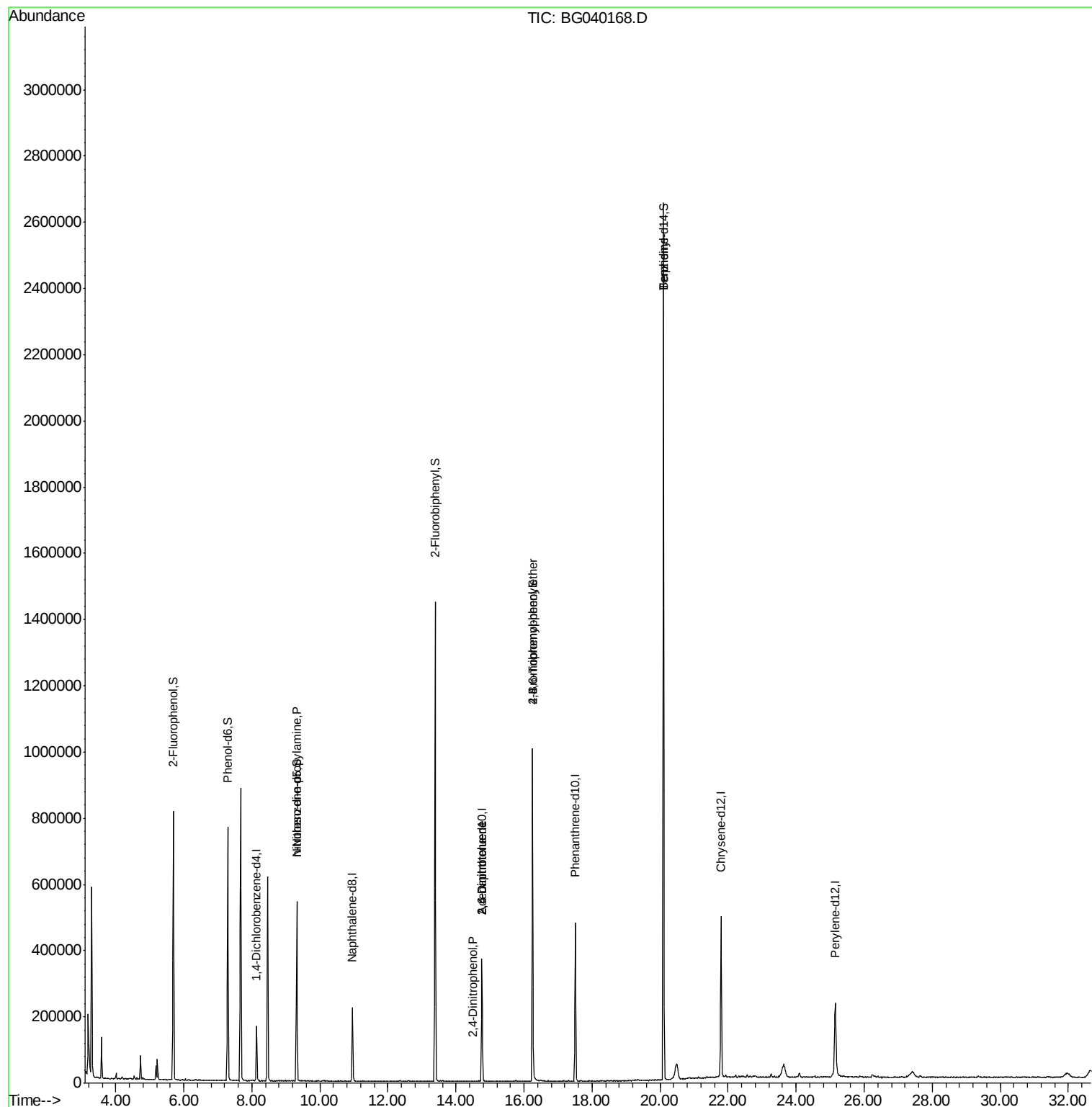
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	46092	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	192480	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	128276	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	311957	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	312241	20.00	ng	-0.03
87) Perylene-d12	25.15	264	298072	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	336647	124.60	ng	-0.02
7) Phenol-d6	7.29	99	438778	108.92	ng	-0.02
23) Nitrobenzene-d5	9.32	82	332027	93.29	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	192727	128.90	ng	-0.03
45) 2-Fluorobiphenyl	13.39	172	802763	89.10	ng	-0.03
79) Terphenyl-d14	20.10	244	1263775	89.12	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	43417	14.974	ng	# 68
51) 2,6-Dinitrotoluene	14.76	165	16072	7.068	ng	# 25
54) 2,4-Dinitrophenol	14.50	184	55	5.292	ng	# 18
57) 2,4-Dinitrotoluene	14.76	165	16072	5.030	ng	# 20
67) 4-Bromophenyl-phenylether	16.25	248	15387	4.407	ng	# 1
77) Benzidine	20.10	184	22395	2.260	ng	# 95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

Instrument :

BNA_G

ClientSampled :

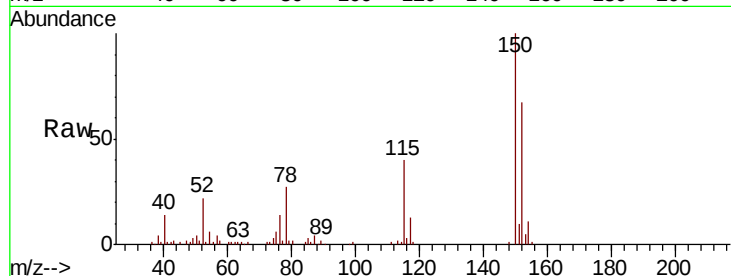
Tot Ion:152 Resp: 46092

Ion Ratio Lower Upper

152 100

150 149.5 123.7 185.5

115 60.3 45.9 68.9

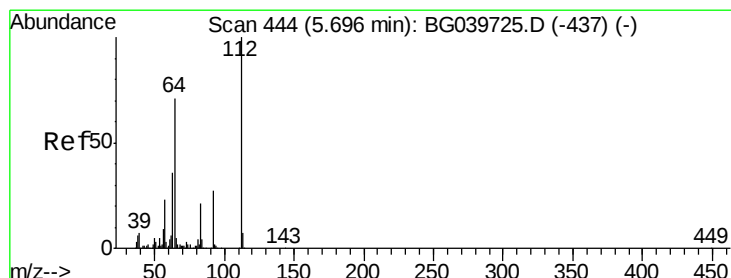
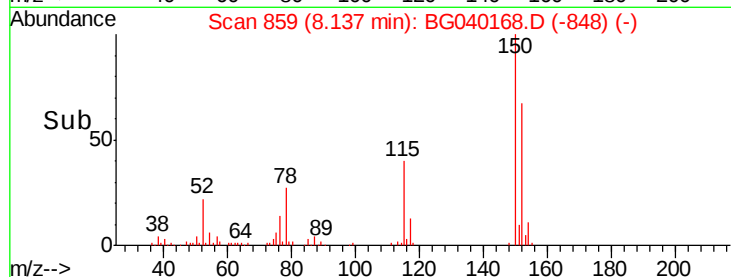
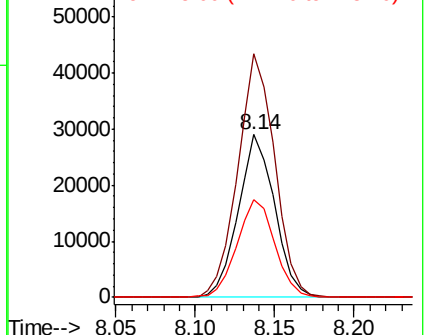


Abundance

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: 124.604 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

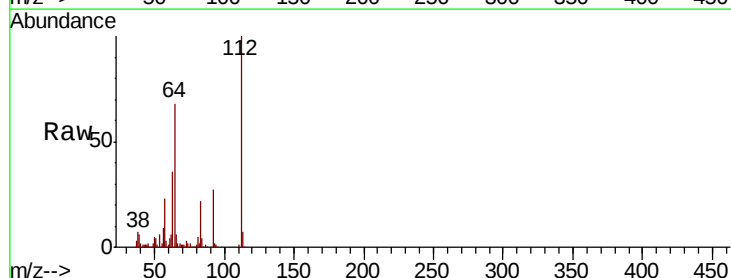
Tgt Ion:112 Resp: 336647

Ion Ratio Lower Upper

112 100

64 68.1 57.8 86.8

63 36.4 29.8 44.6

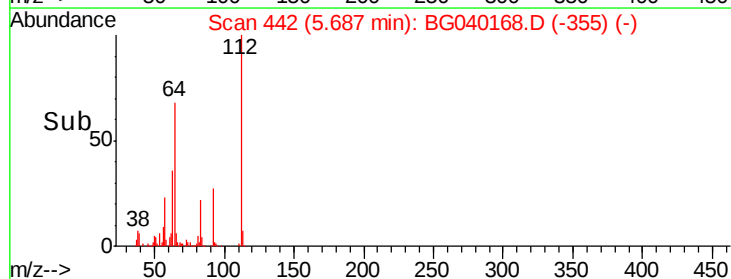
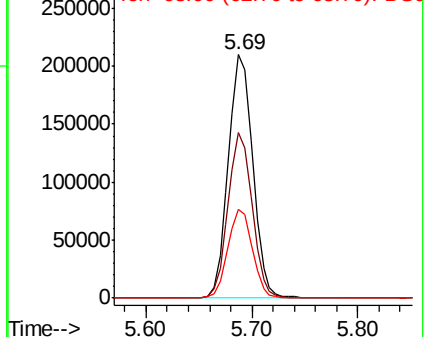


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 108.920 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

Instrument :

BNA_G

ClientSampleId :

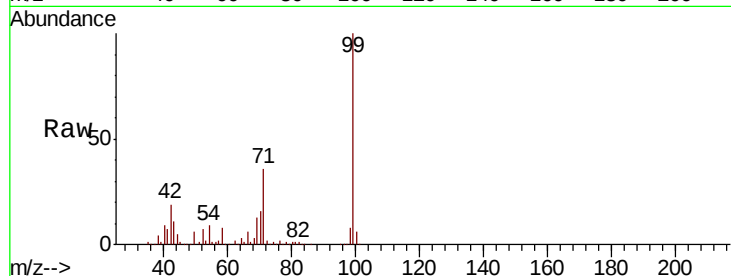
Tot Ion: 99 Resp: 438778

Ion Ratio Lower Upper

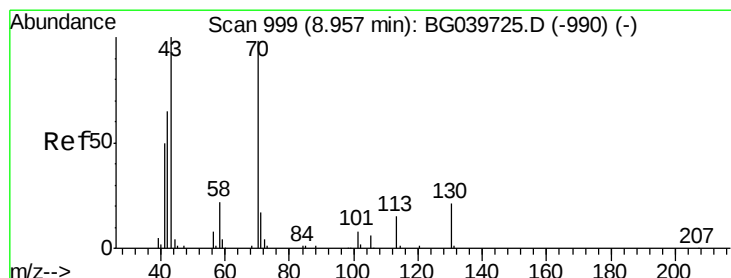
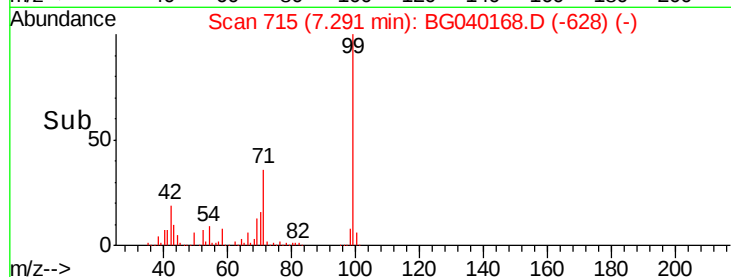
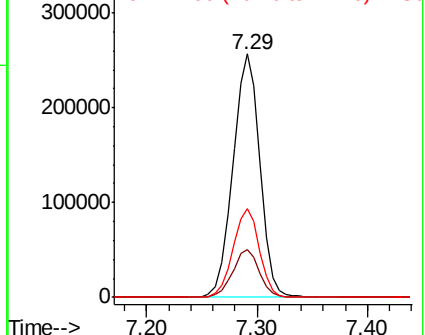
99 100

42 19.4 18.2 27.2

71 36.5 28.0 42.0



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: 14.974 ng

RT: 9.32 min Scan# 1060

Delta R.T. 0.35 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

Tgt Ion: 70 Resp: 43417

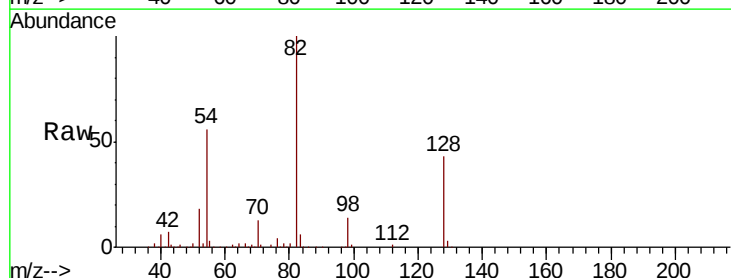
Ion Ratio Lower Upper

70 100

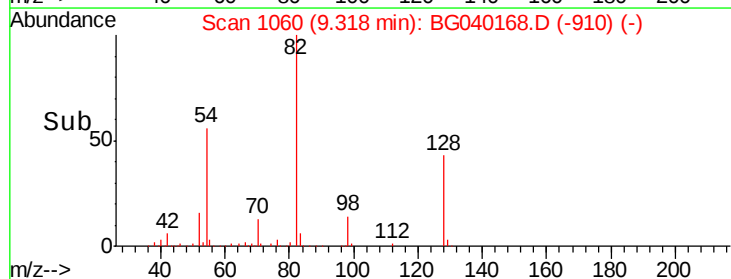
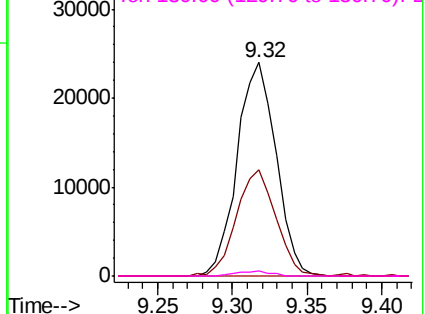
42 49.6 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#



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

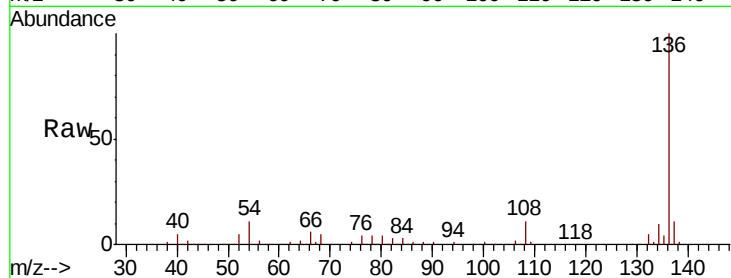




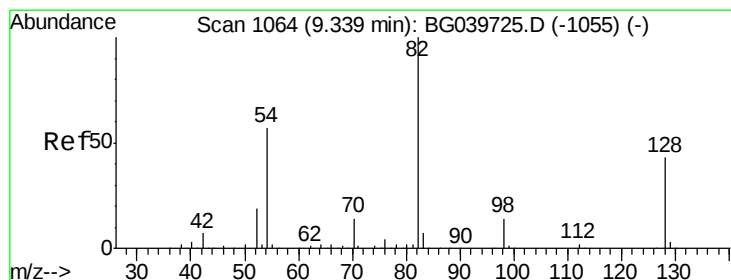
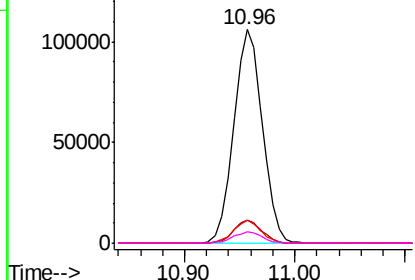
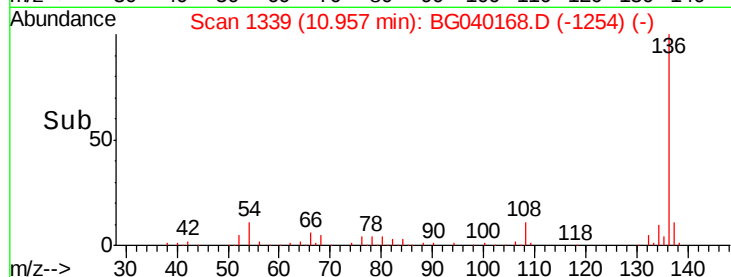
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040168.D
Acq: 27 Mar 2019 5:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	192480
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.1 13.7
54	10.8	9.4 14.2
68	5.4	4.2 6.4

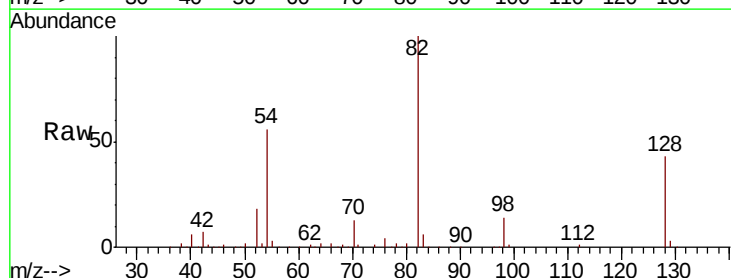


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

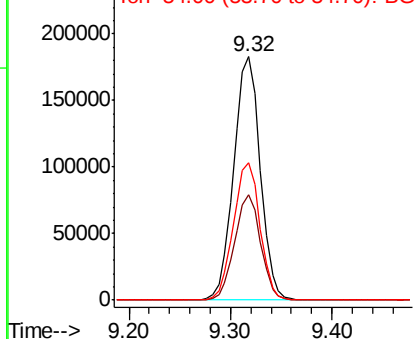
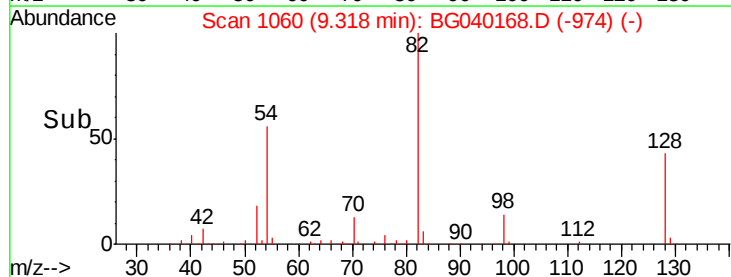


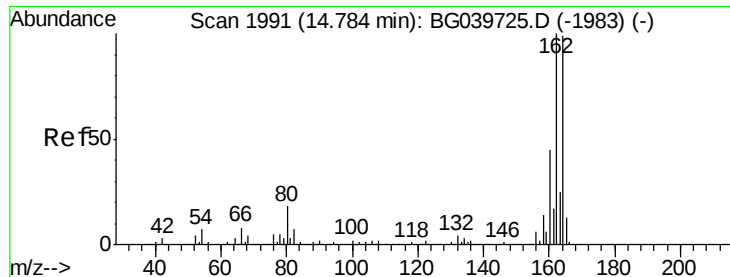
#23
Nitrobenzene-d5
Concen: 93.295 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.03 min
Lab File: BG040168.D
Acq: 27 Mar 2019 5:01

Tgt Ion: 82	Resp:	332027
Ion	Ratio	Lower Upper
82	100	
128	43.3	31.3 46.9
54	56.4	50.9 76.3



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

Instrument :

BNA_G

ClientSampled :

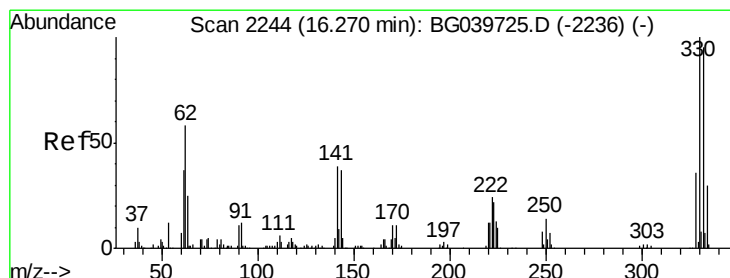
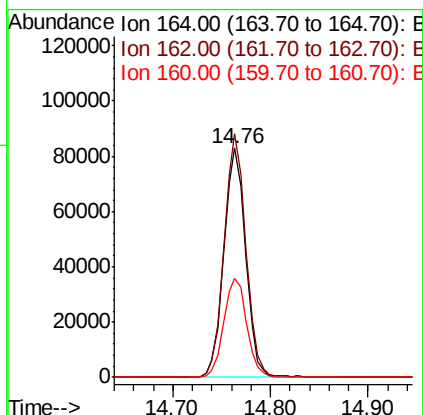
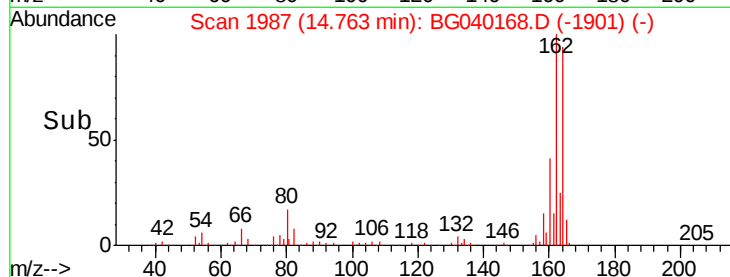
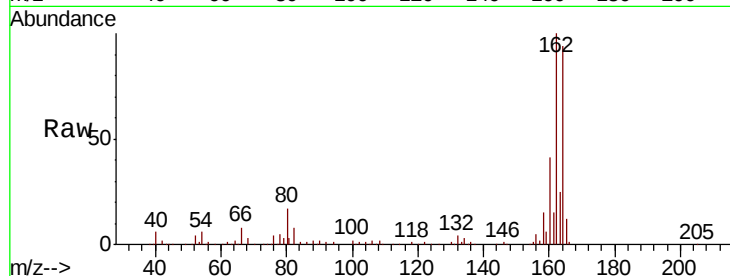
Tot Ion:164 Resp: 128276

Ion Ratio Lower Upper

164 100

162 106.2 81.6 122.4

160 43.4 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 128.901 ng

RT: 16.25 min Scan# 2240

Delta R.T. -0.03 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

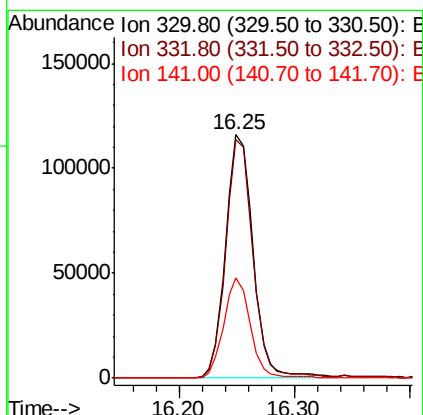
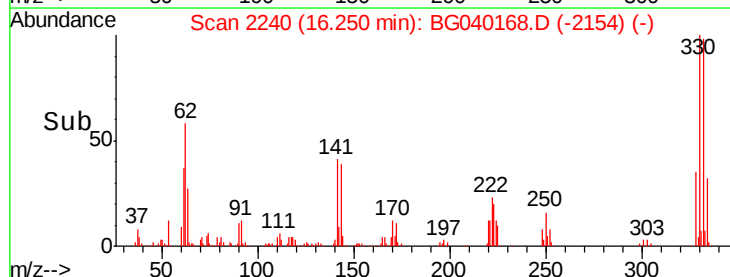
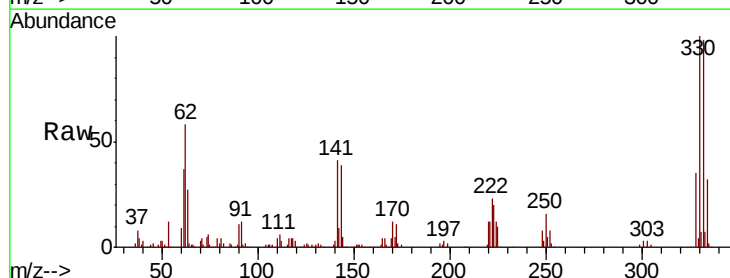
Tgt Ion:330 Resp: 192727

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

141 39.9 35.6 53.4

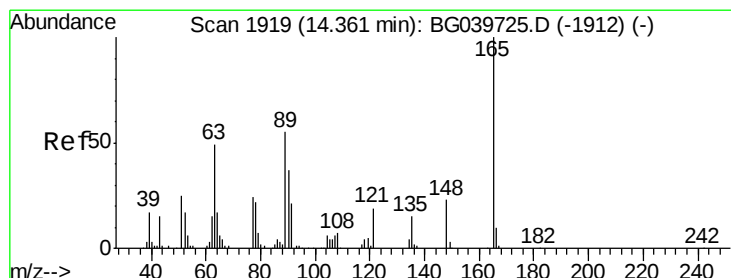
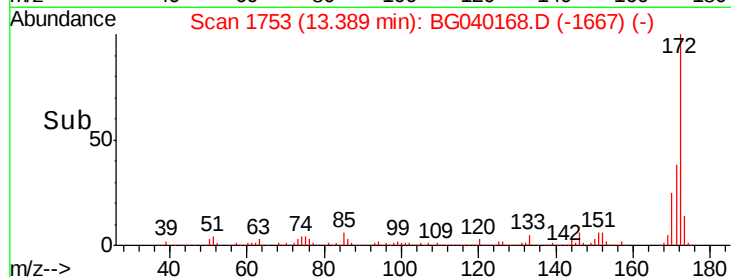
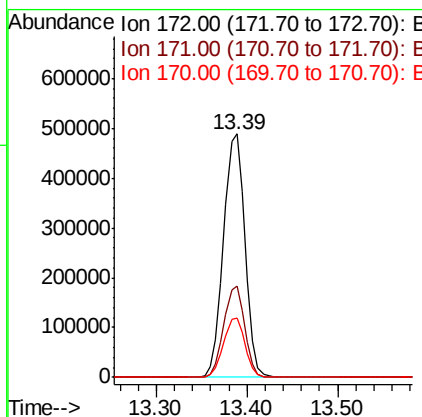
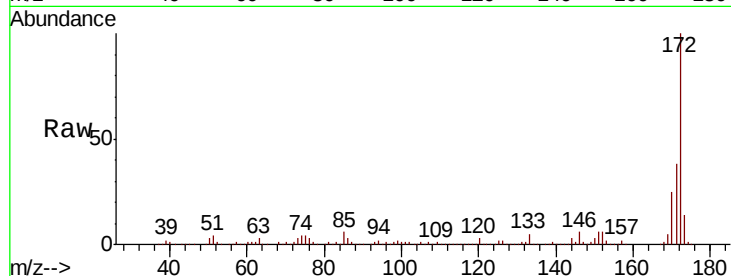




#45
 2-Fluorobiphenyl
 Concen: 89.105 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040168.D
 Acq: 27 Mar 2019 5:01

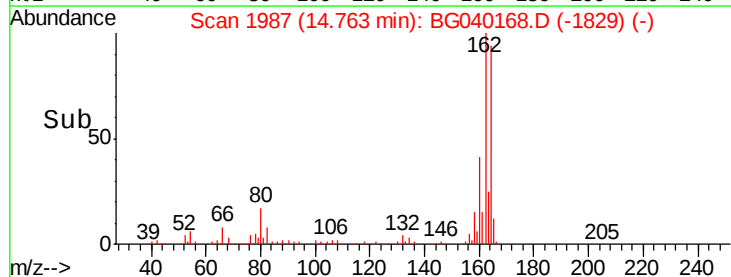
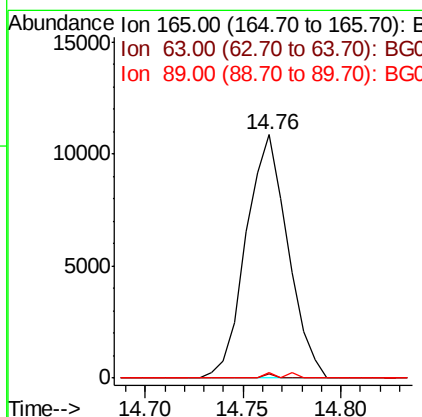
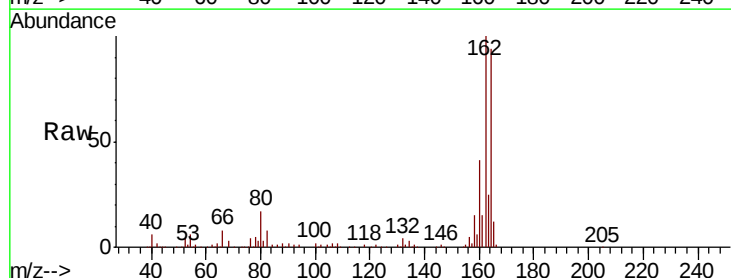
Instrument :
 BNA_G
 ClientSampleId :

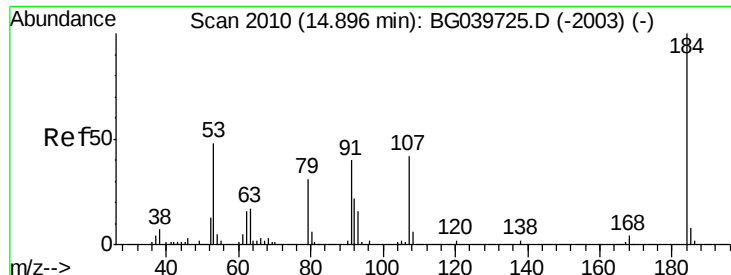
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.8	46.2
170	24.5	20.2	30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.068 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.40 min
 Lab File: BG040168.D
 Acq: 27 Mar 2019 5:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	47.0	70.6#
89	2.1	45.8	68.8#

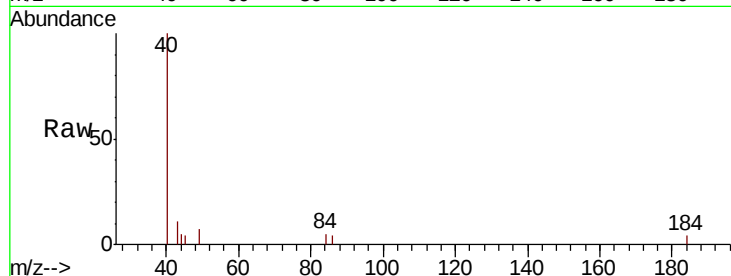




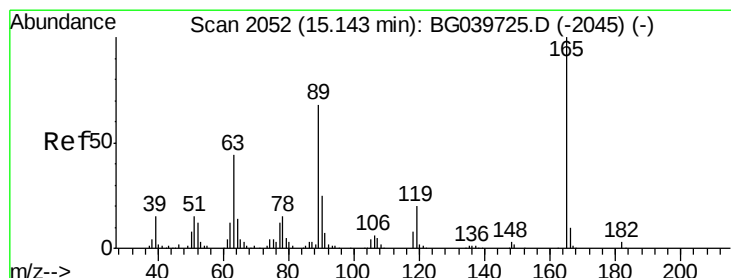
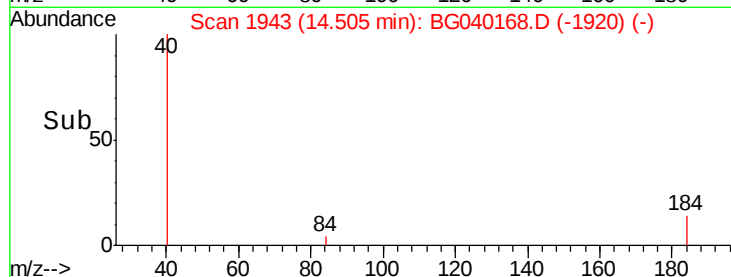
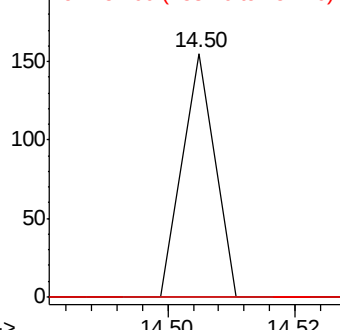
#54
2,4-Dinitrophenol
Concen: 5.292 ng
RT: 14.50 min Scan# 1943
Delta R.T. -0.40 min
Lab File: BG040168.D
Acq: 27 Mar 2019 5:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 50.9 76.3#
154 0.0 53.0 79.6#

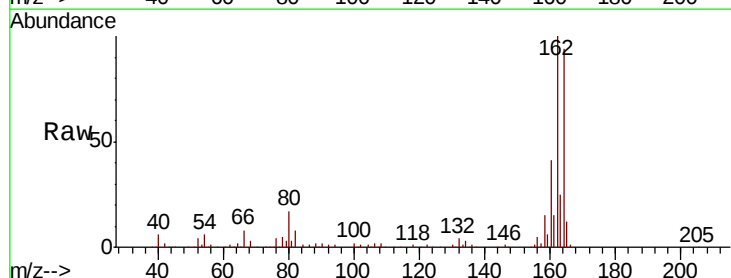


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

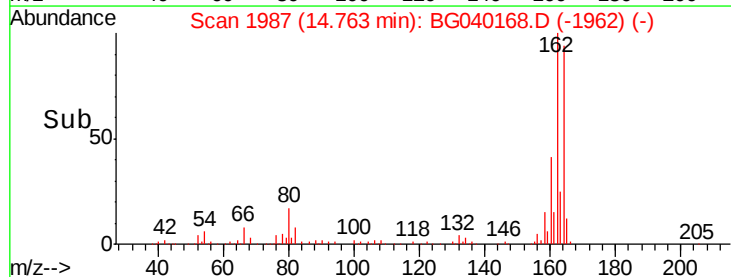
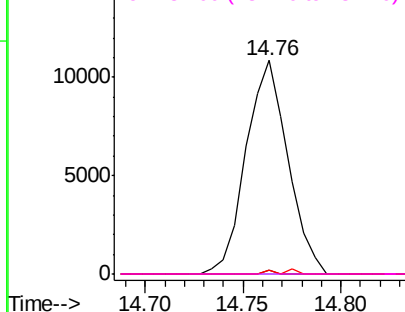


#57
2,4-Dinitrotoluene
Concen: 5.030 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.39 min
Lab File: BG040168.D
Acq: 27 Mar 2019 5:01

Tgt Ion:165 Resp: 16072
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.6#
89 2.1 64.6 96.8#
182 0.0 2.0 3.0#



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

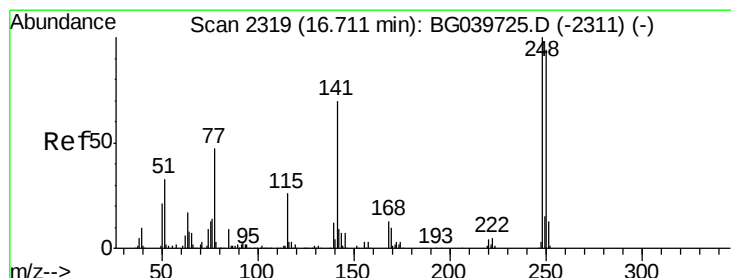
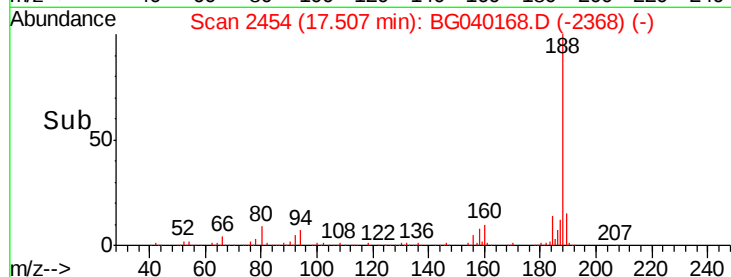
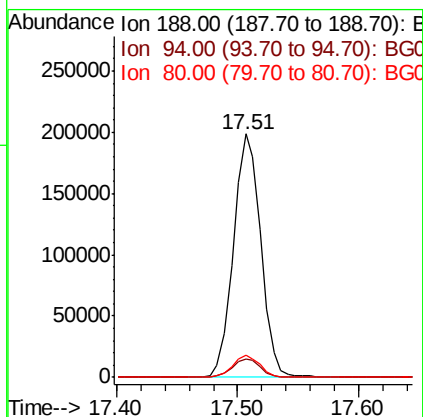
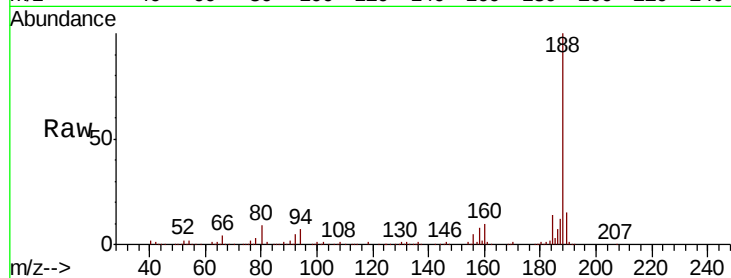




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2454
 Delta R.T. -0.03 min
 Lab File: BG040168.D
 Acq: 27 Mar 2019 5:01

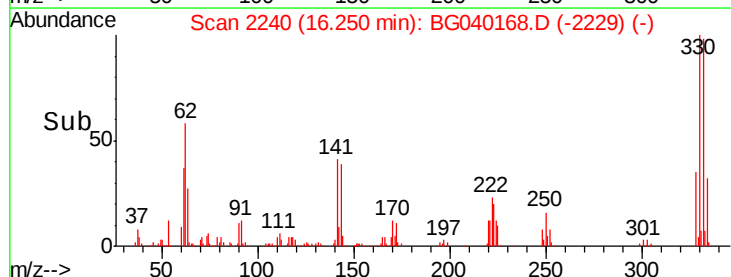
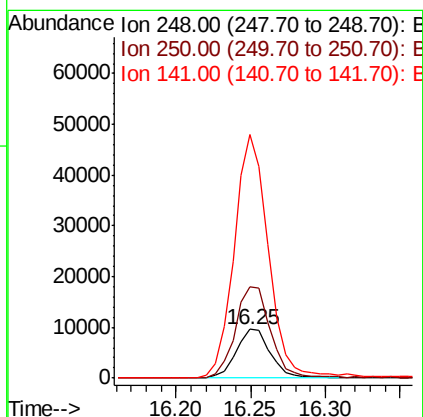
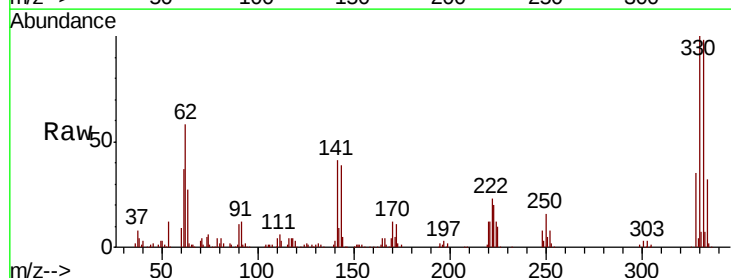
Instrument :
 BNA_G
 ClientSampled :

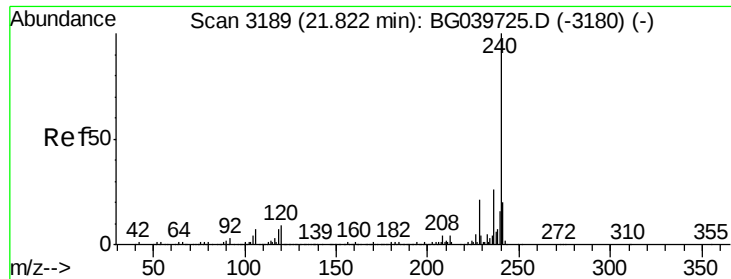
Tot Ion:188 Resp: 311957
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 9.0 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 4.407 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040168.D
 Acq: 27 Mar 2019 5:01

Tgt Ion:248 Resp: 15387
 Ion Ratio Lower Upper
 248 100
 250 188.4 77.6 116.4#
 141 500.3 63.9 95.9#

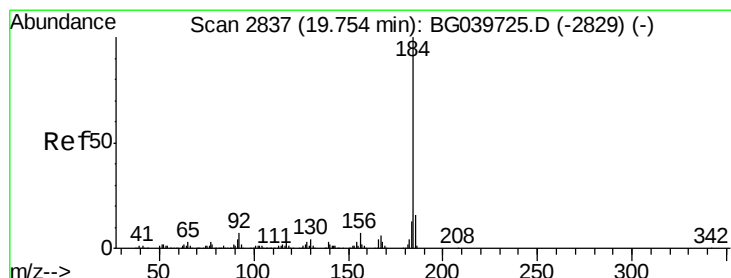
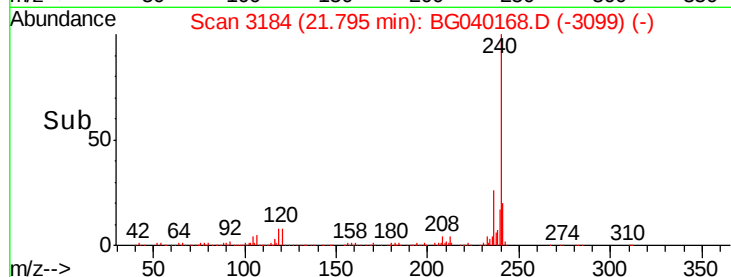
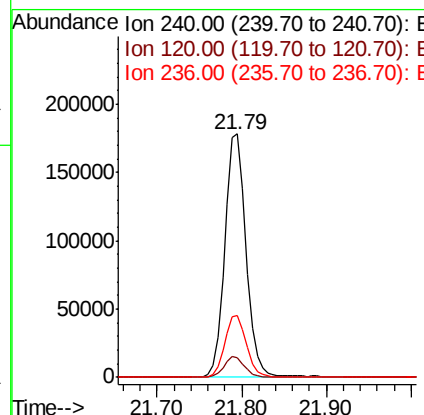
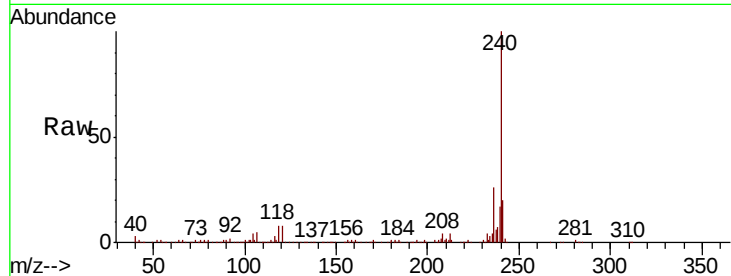




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040168.D
Acq: 27 Mar 2019 5:01

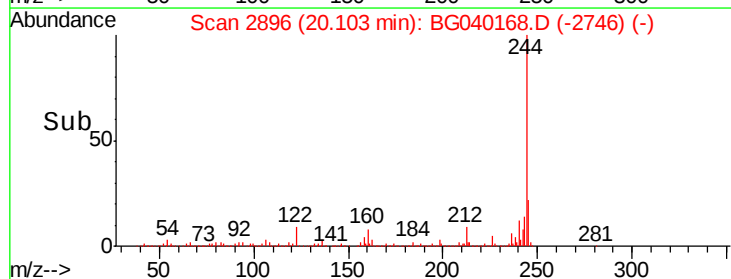
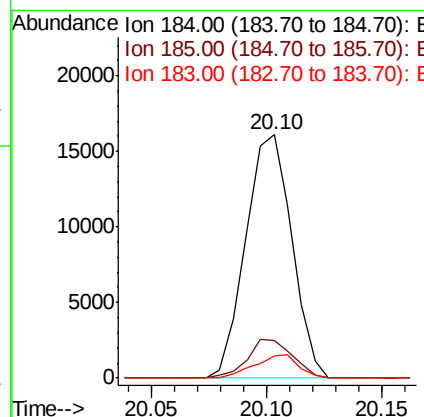
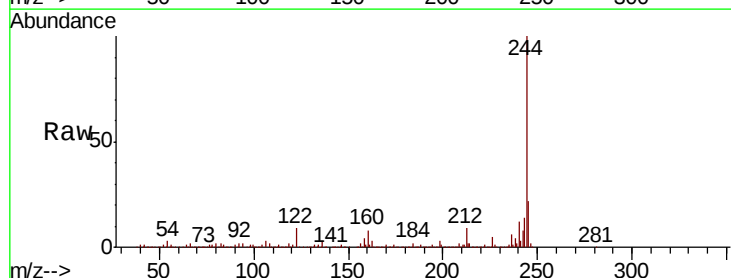
Instrument :
BNA_G
ClientSampleId :

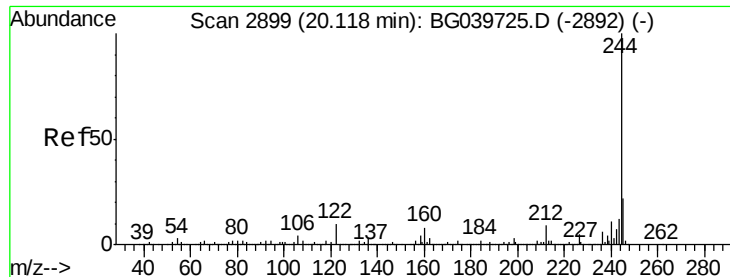
Tot Ion:240 Resp: 312241
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 25.6 21.0 31.4



#77
Benzidine
Concen: 2.260 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040168.D
Acq: 27 Mar 2019 5:01

Tgt Ion:184 Resp: 22395
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.2
183 9.3 10.6 15.8#





#79

Terphenyl-d14

Concen: 89.117 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

Instrument :

BNA_G

ClientSampleId :

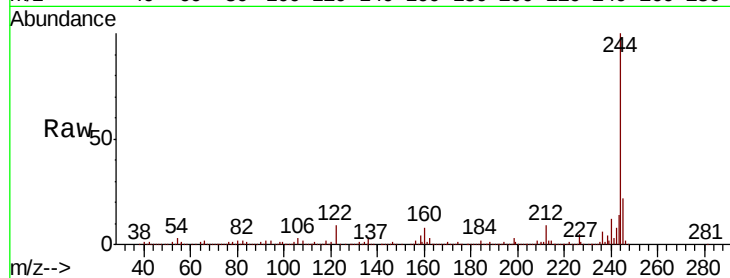
Tot Ion:244 Resp: 1263775

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

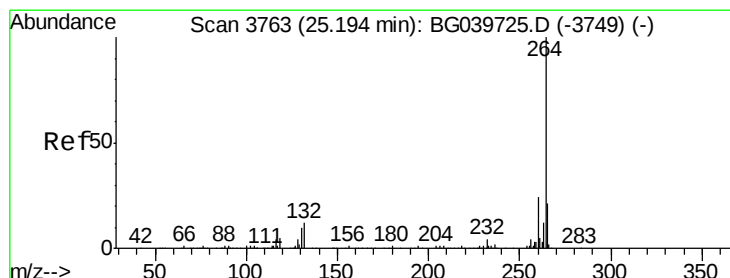
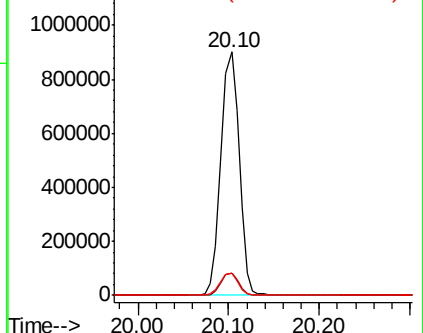
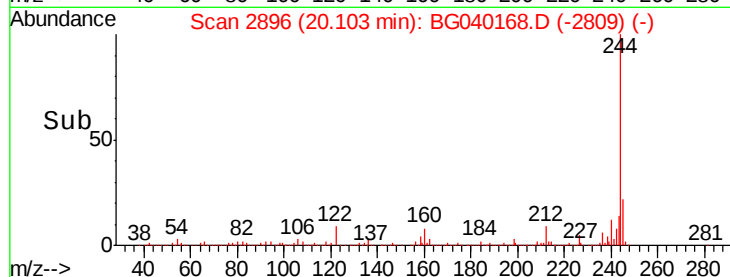
122 9.1 8.4 12.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040168.D

Acq: 27 Mar 2019 5:01

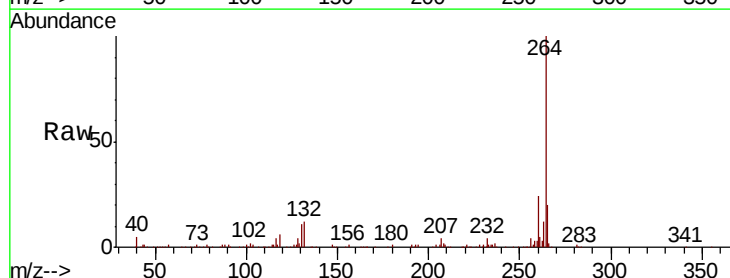
Tgt Ion:264 Resp: 298072

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 20.3 18.5 27.7



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

