

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031519\
 Data File : BG039950.D
 Acq On : 15 Mar 2019 20:48
 Operator : JU/SJ
 Sample : K1909-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 97-98

Quant Time: Mar 16 04:10:11 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

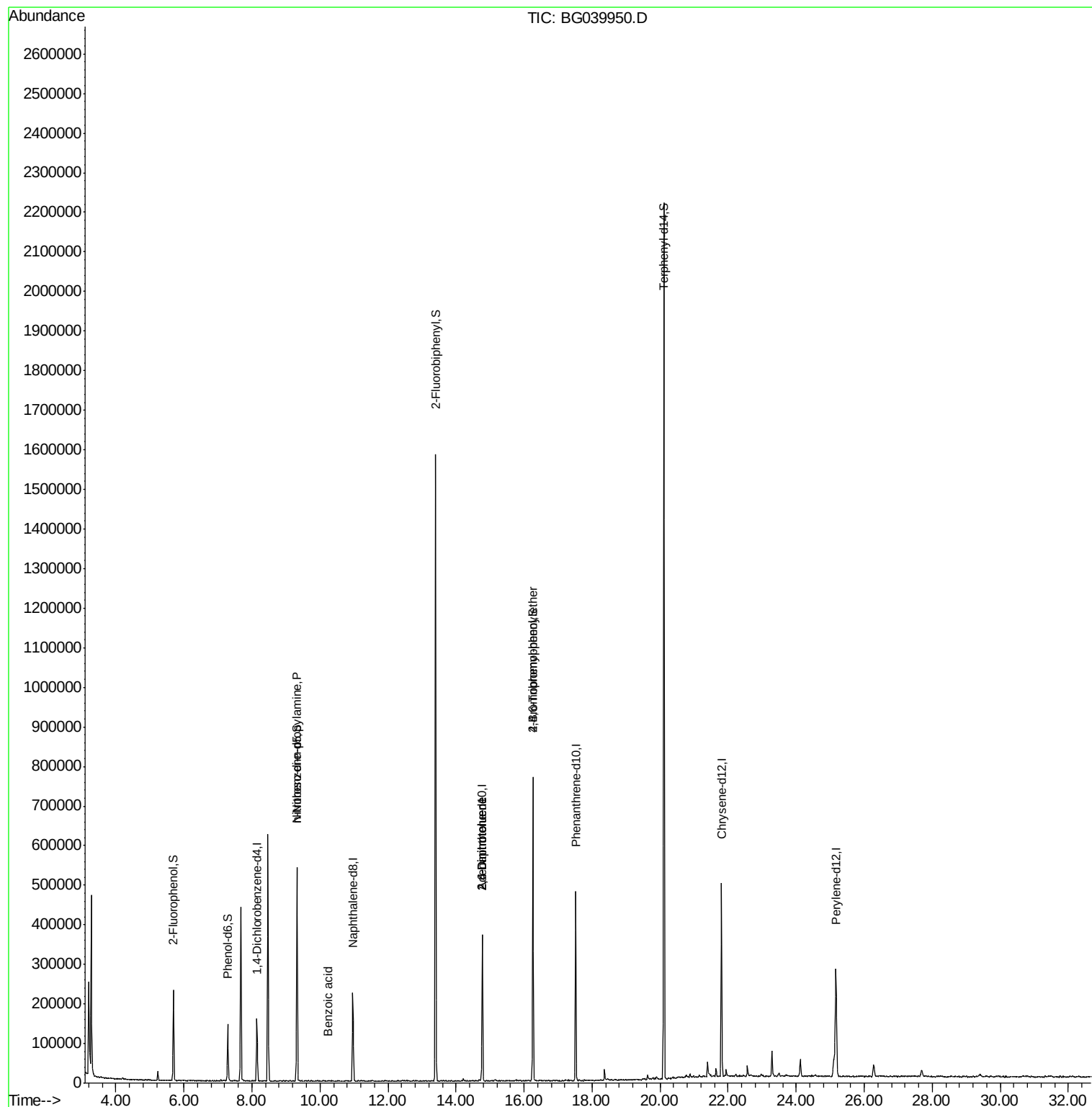
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	44475	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	187795	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	128358	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	291003	20.00	ng	-0.02
76) Chrysene-d12	21.81	240	301249	20.00	ng	-0.02
87) Perylene-d12	25.17	264	304302	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	94203	36.14	ng	-0.02
7) Phenol-d6	7.29	99	80453	20.70	ng	-0.02
23) Nitrobenzene-d5	9.33	82	325189	93.65	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	130495	87.22	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	814194	90.32	ng	-0.02
79) Terphenyl-d14	20.11	244	1050312	76.77	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	43041	15.384	ng	# 67
32) Benzoic acid	10.22	122	196	6.688	ng	# 1
51) 2,6-Dinitrotoluene	14.77	165	16444	7.227	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	16444	5.143	ng	# 19
67) 4-Bromophenyl-phenylether	16.26	248	10000	3.070	ng	# 1

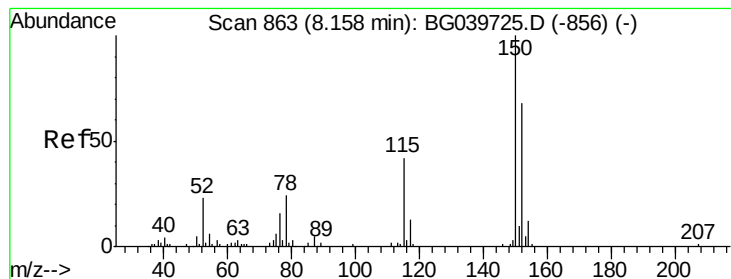
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: BG039950.D

Acq: 15 Mar 2019 20:48

Instrument :

BNA_G

ClientSampleId :

97-98

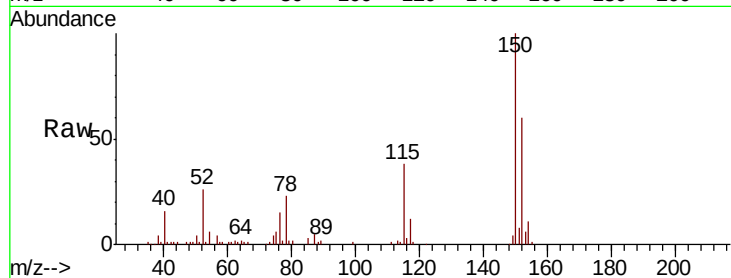
Tgt Ion:152 Resp: 44475

Ion Ratio Lower Upper

152 100

150 166.4 123.7 185.5

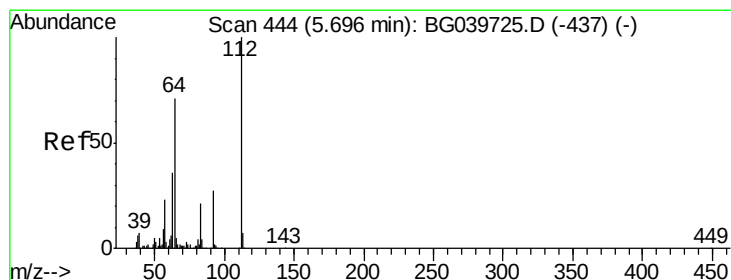
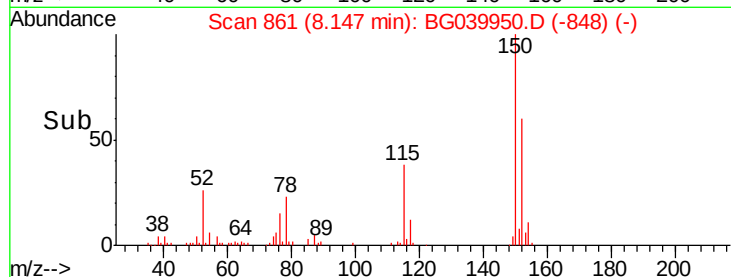
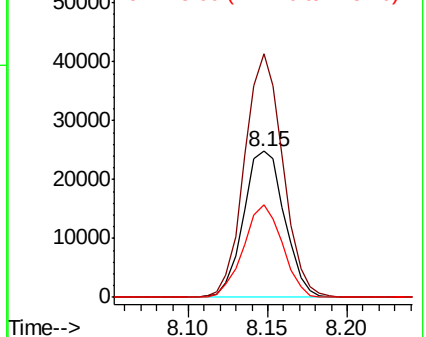
115 63.7 45.9 68.9



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: 36.135 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG039950.D

Acq: 15 Mar 2019 20:48

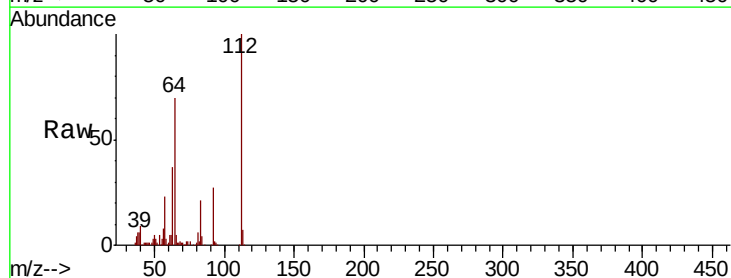
Tgt Ion:112 Resp: 94203

Ion Ratio Lower Upper

112 100

64 69.5 57.8 86.8

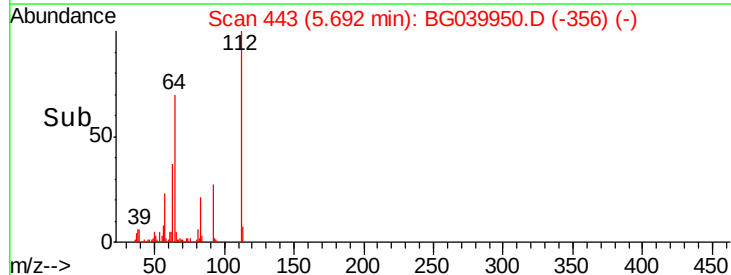
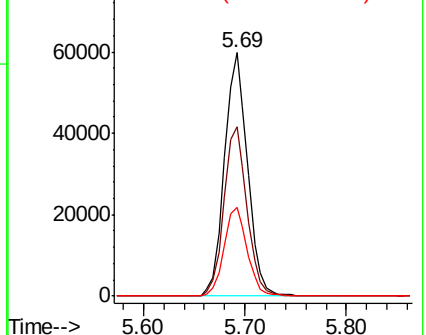
63 36.6 29.8 44.6

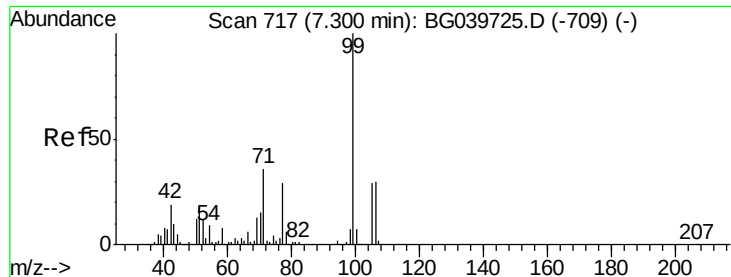


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 20.697 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039950.D

Acq: 15 Mar 2019 20:48

Instrument :

BNA_G

ClientSampleId :

97-98

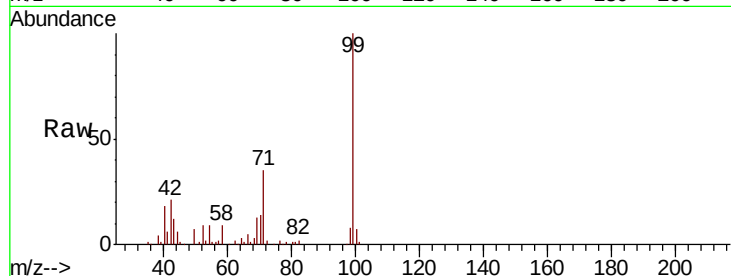
Tgt Ion: 99 Resp: 80453

Ion Ratio Lower Upper

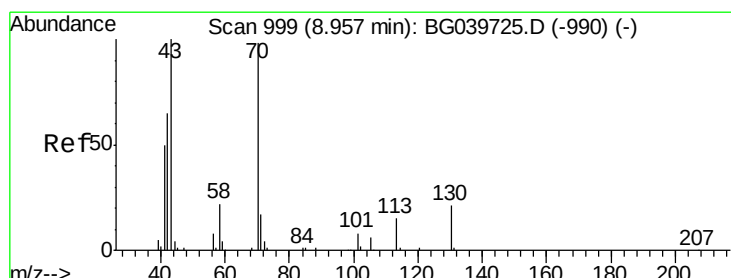
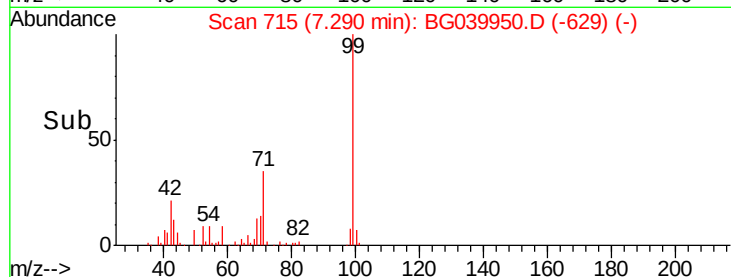
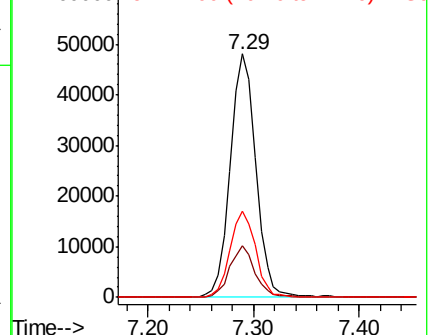
99 100

42 21.2 18.2 27.2

71 35.4 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: 15.384 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG039950.D

Acq: 15 Mar 2019 20:48

Tgt Ion: 70 Resp: 43041

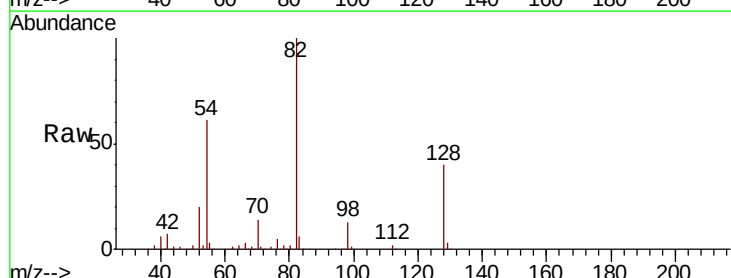
Ion Ratio Lower Upper

70 100

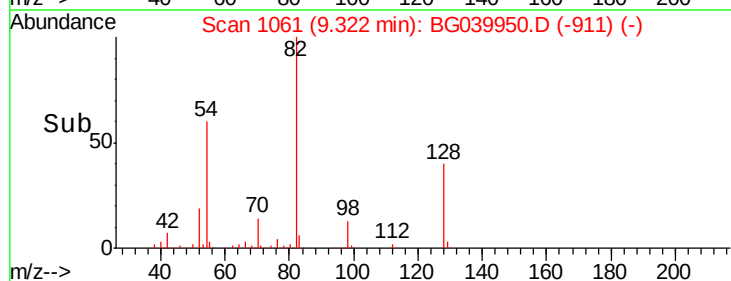
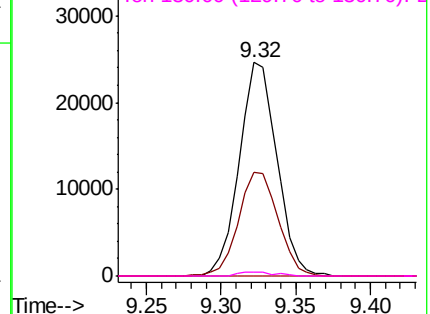
42 48.7 60.4 90.6#

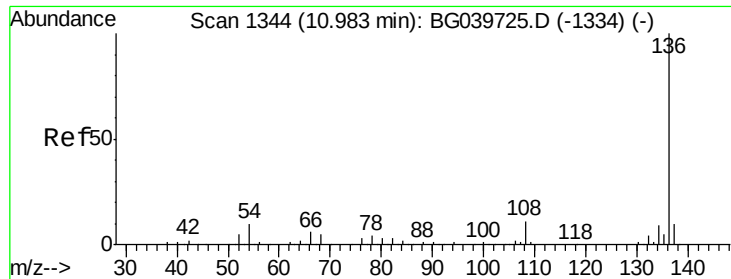
101 0.0 7.5 11.3#

130 1.7 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

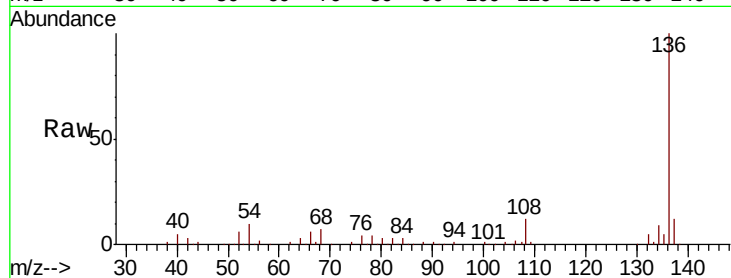




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

Instrument :
BNA_G
ClientSampleId :
97-98

Tgt Ion:	136	Resp:	187795
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.3	9.4	14.2
68	6.7	4.2	6.4#



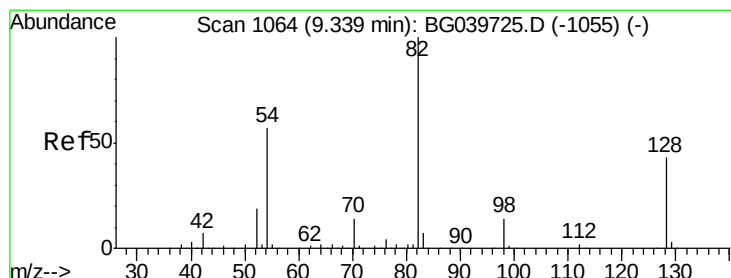
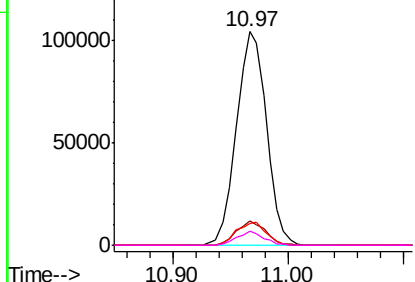
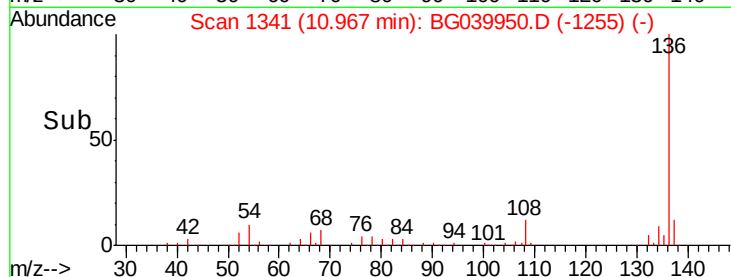
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

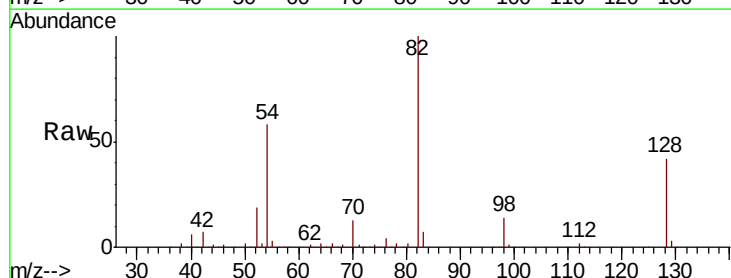
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23
Nitrobenzene-d5
Concen: 93.653 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

Tgt Ion:	82	Resp:	325189
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	57.9	50.9	76.3

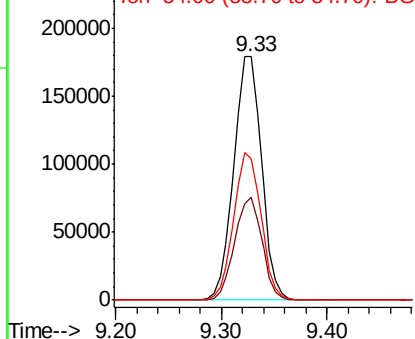
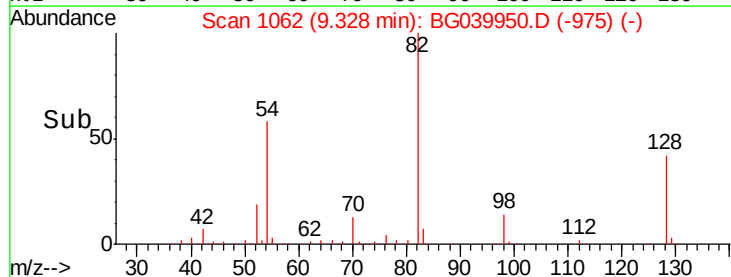


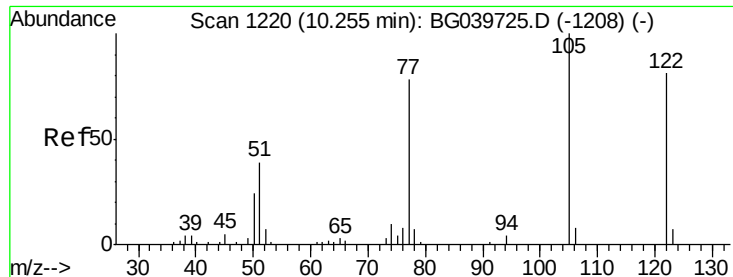
Abundance

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

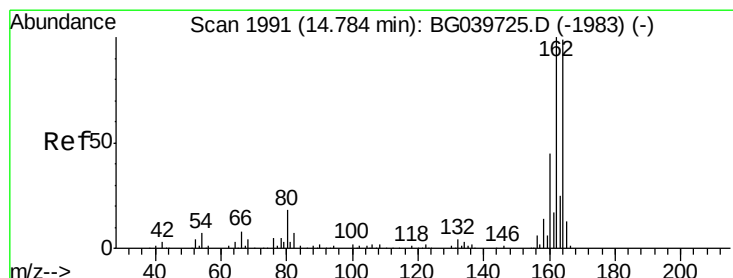
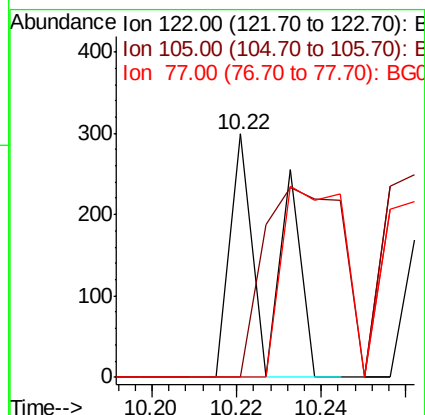
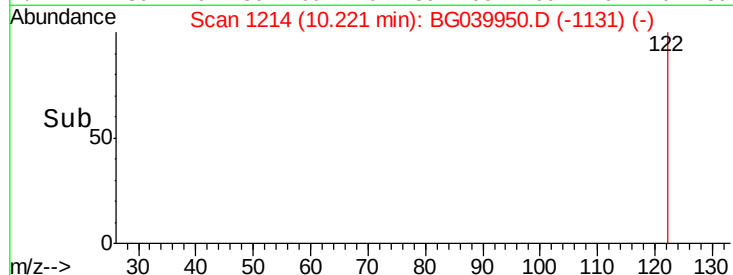
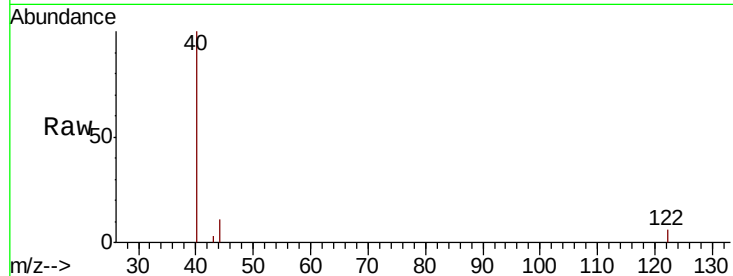




#32
Benzoic acid
Concen: 6.688 ng
RT: 10.22 min Scan# 1214
Delta R.T. -0.04 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

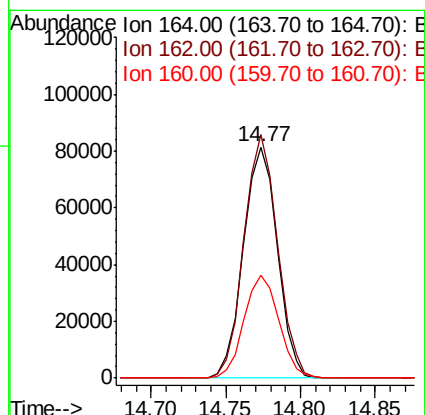
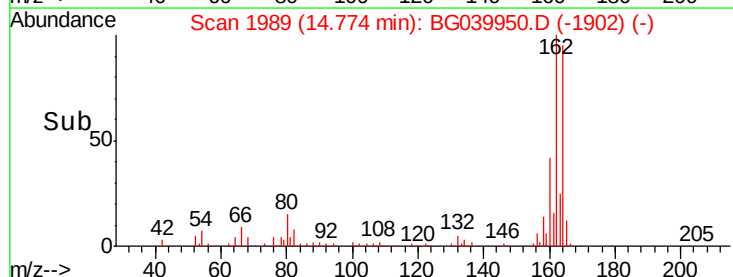
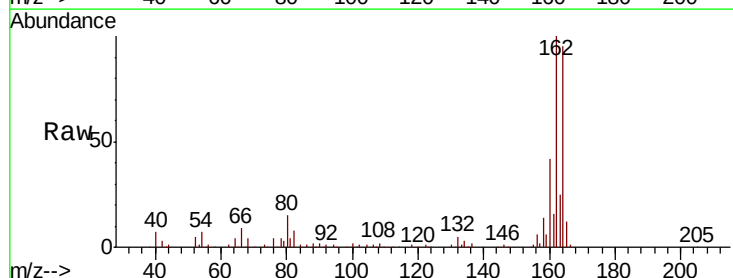
Instrument :
BNA_G
ClientSampleId :
97-98

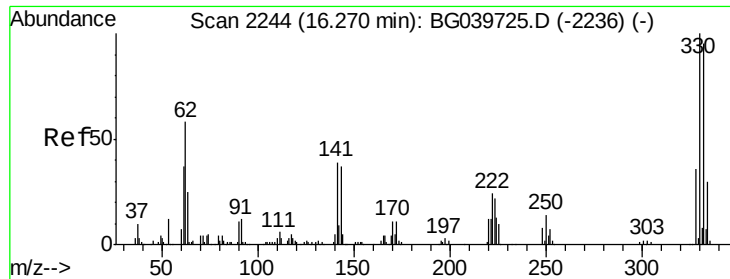
Tgt Ion:122 Resp: 196
Ion Ratio Lower Upper
122 100
105 0.0 101.8 141.8#
77 0.0 76.3 116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

Tgt Ion:164 Resp: 128358
Ion Ratio Lower Upper
164 100
162 105.3 81.6 122.4
160 44.4 34.2 51.2

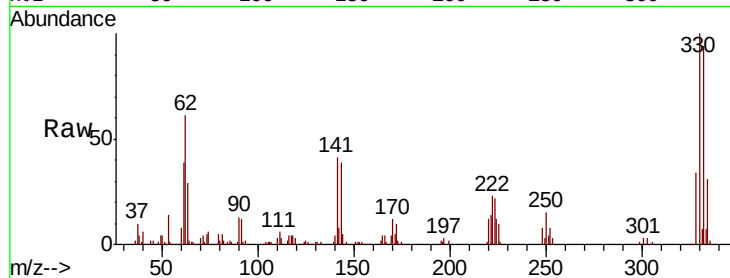




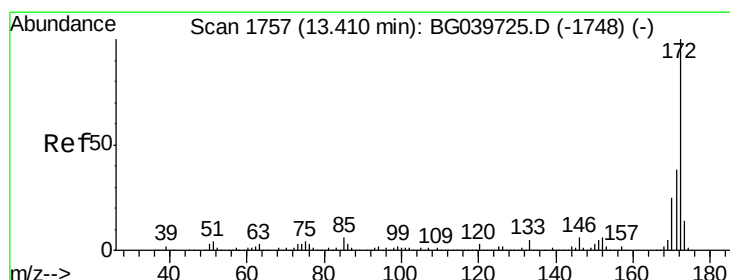
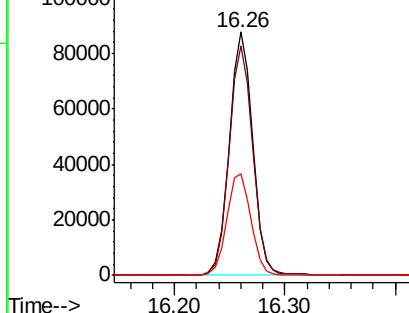
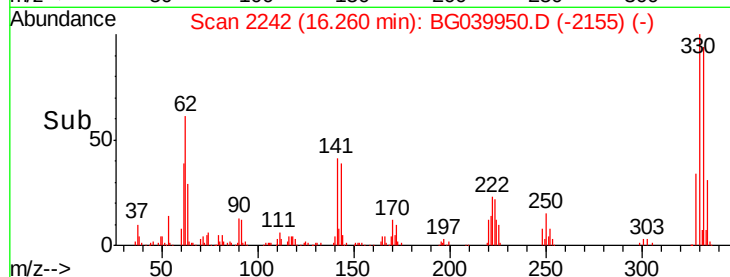
#42
 2,4,6-Tribromophenol
 Concen: 87.223 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039950.D
 Acq: 15 Mar 2019 20:48

Instrument :
 BNA_G
 ClientSampled :
 97-98

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.7	113.5
141	43.2	35.6	53.4

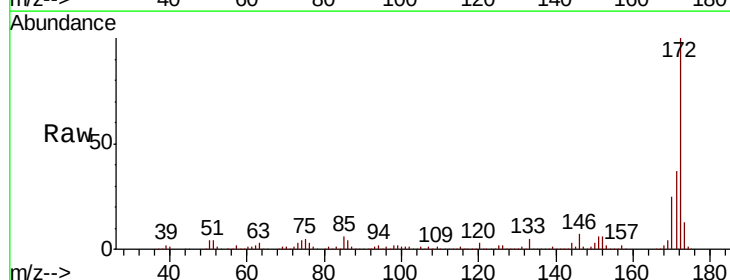


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

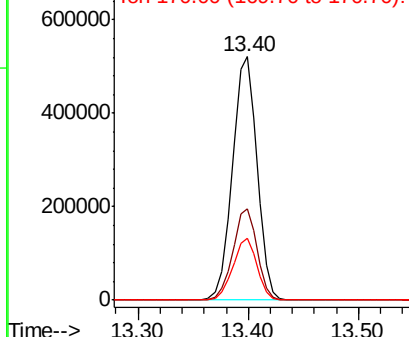
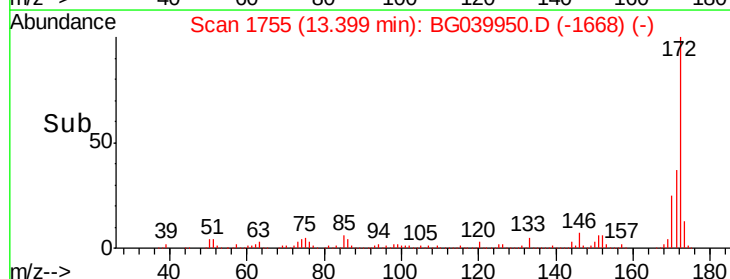


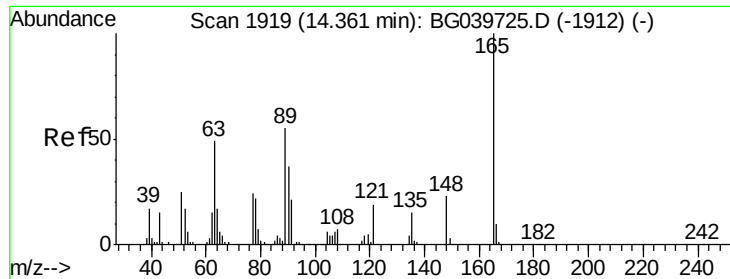
#45
 2-Fluorobiphenyl
 Concen: 90.316 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039950.D
 Acq: 15 Mar 2019 20:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.8	46.2
170	25.4	20.2	30.4



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

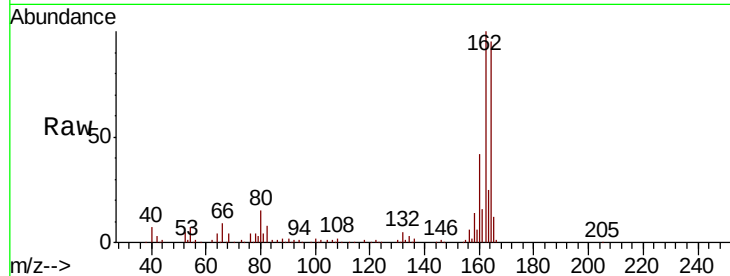




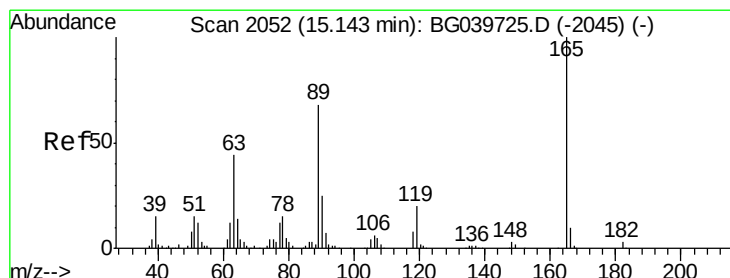
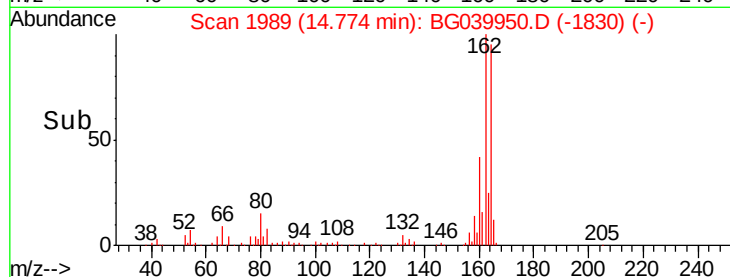
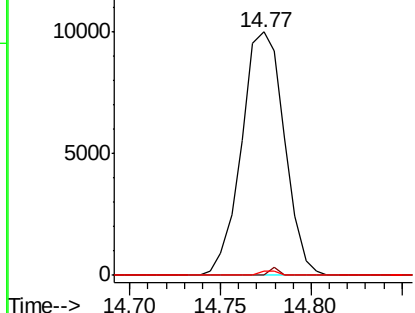
#51
 2,6-Dinitrotoluene
 Concen: 7.227 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. 0.41 min
 Lab File: BG039950.D
 Acq: 15 Mar 2019 20:48

Instrument :
 BNA_G
 ClientSampled :
 97-98

Tgt Ion:165 Resp: 16444
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.0 70.6#
 89 2.0 45.8 68.8#



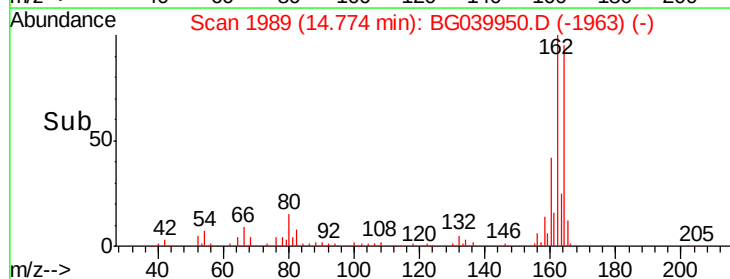
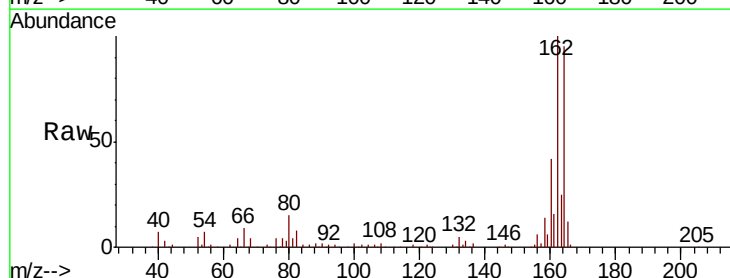
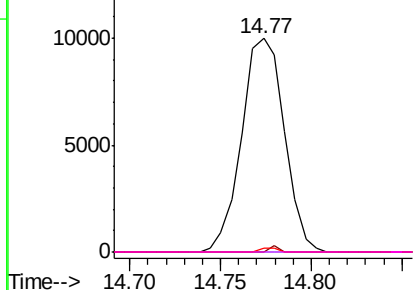
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

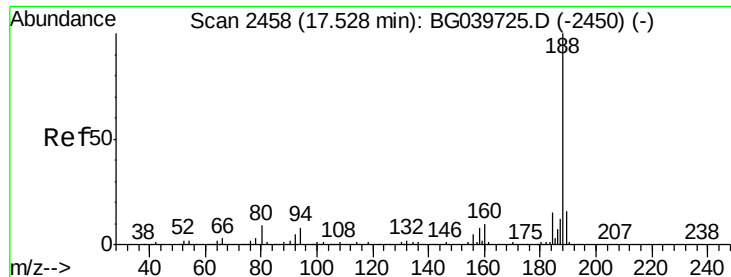


#57
 2,4-Dinitrotoluene
 Concen: 5.143 ng
 RT: 14.77 min Scan# 1989
 Delta R.T. -0.38 min
 Lab File: BG039950.D
 Acq: 15 Mar 2019 20:48

Tgt Ion:165 Resp: 16444
 Ion Ratio Lower Upper
 165 100
 63 0.0 41.0 61.6#
 89 2.0 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: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039950.D

Acq: 15 Mar 2019 20:48

Instrument :

BNA_G

ClientSampleId :

97-98

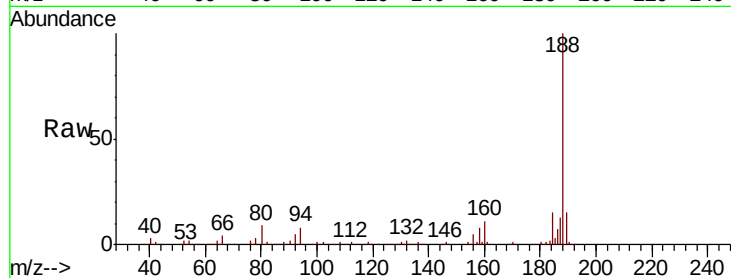
Tgt Ion:188 Resp: 291003

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

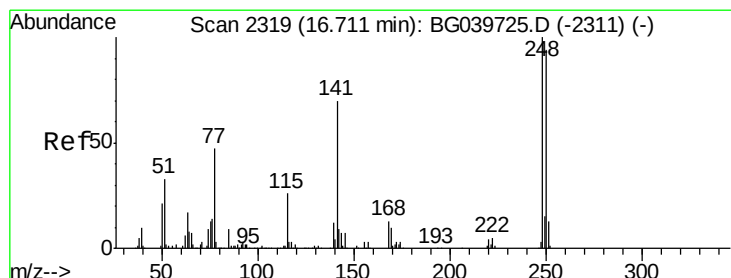
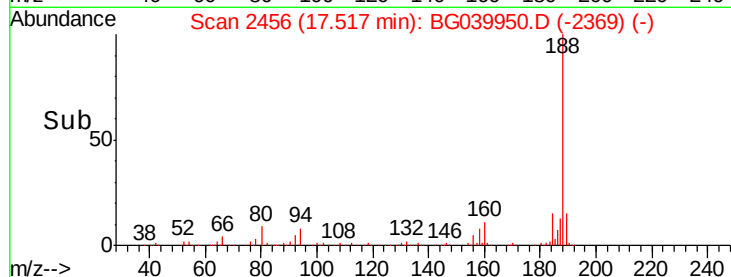
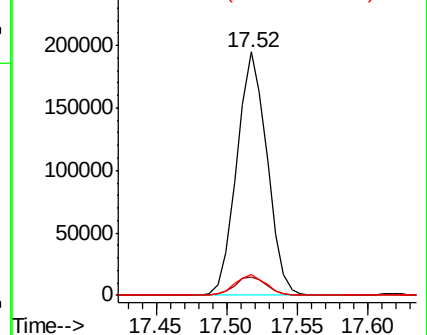
80 8.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 3.070 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.46 min

Lab File: BG039950.D

Acq: 15 Mar 2019 20:48

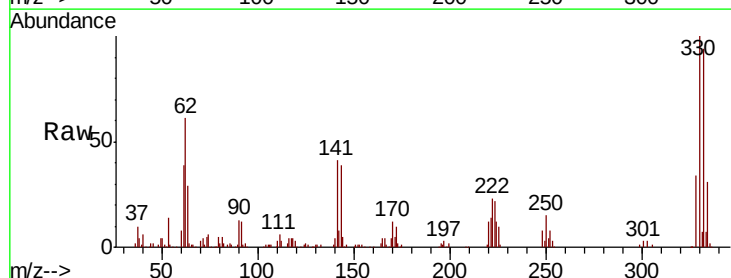
Tgt Ion:248 Resp: 10000

Ion Ratio Lower Upper

248 100

250 193.0 77.6 116.4#

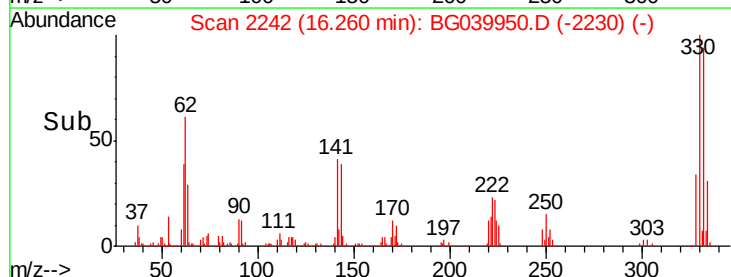
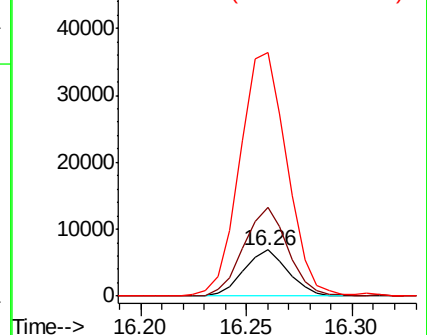
141 529.5 63.9 95.9#

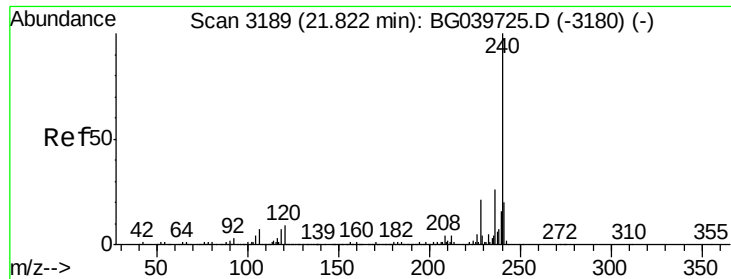


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

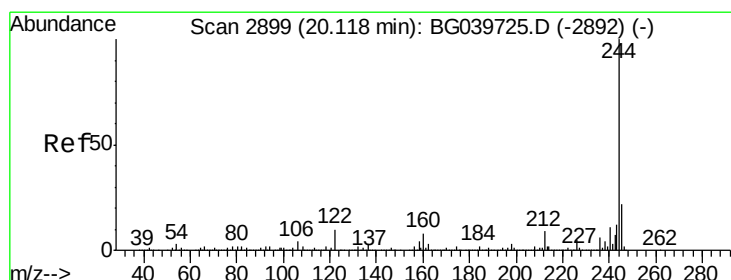
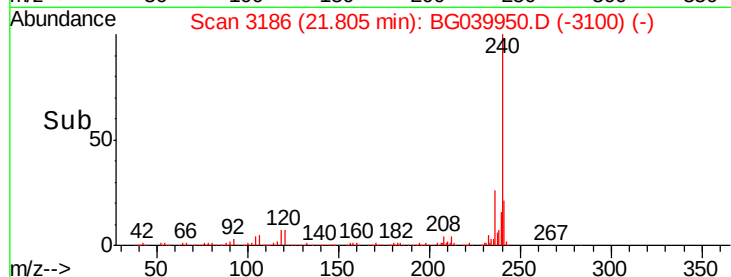
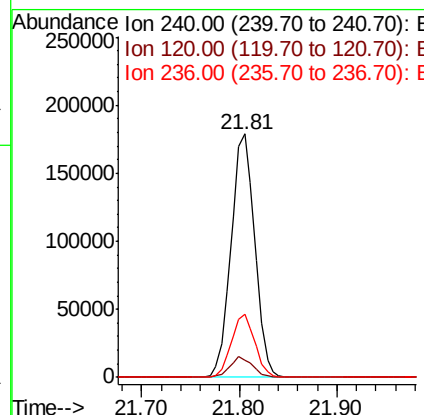
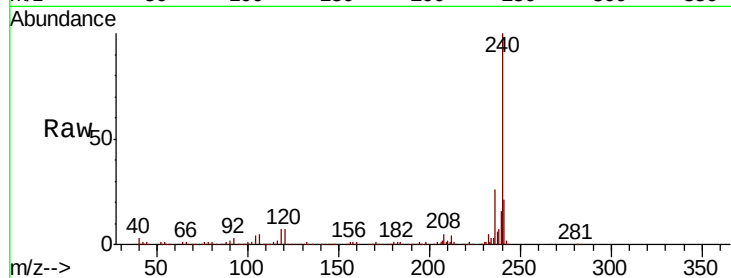




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.81 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

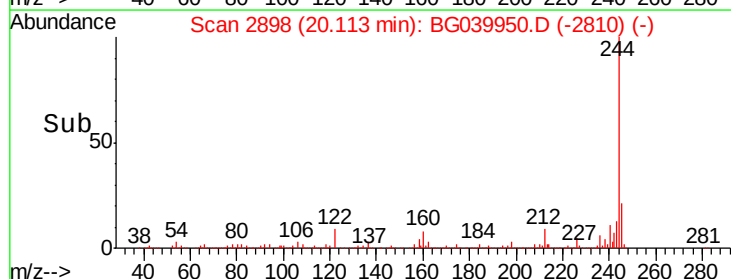
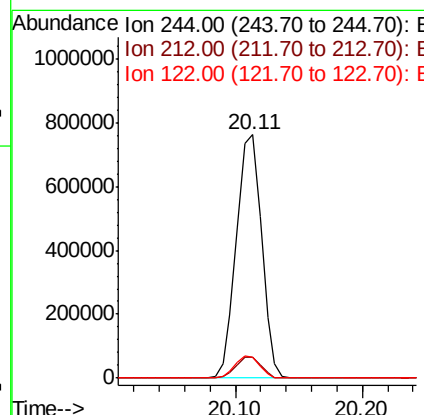
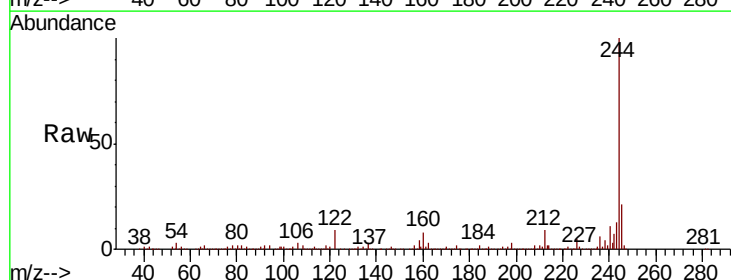
Instrument :
BNA_G
ClientSampleId :
97-98

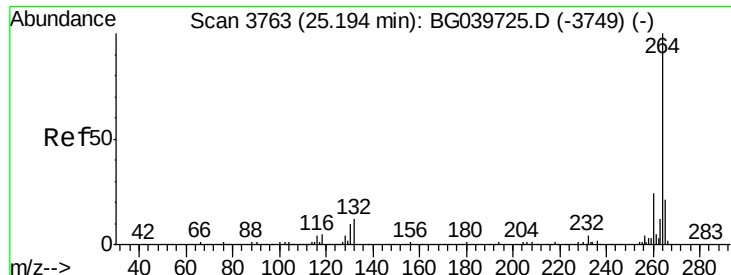
Tgt Ion:240 Resp: 301249
Ion Ratio Lower Upper
240 100
120 7.0 7.0 10.6#
236 26.0 21.0 31.4



#79
Terphenyl-d14
Concen: 76.766 ng
RT: 20.11 min Scan# 2898
Delta R.T. -0.01 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

Tgt Ion:244 Resp: 1050312
Ion Ratio Lower Upper
244 100
212 8.8 7.3 10.9
122 8.7 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.17 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG039950.D
Acq: 15 Mar 2019 20:48

Instrument :
BNA_G
ClientSampleId :
97-98

Tgt Ion:	264	Resp:	304302
Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.2	27.4
265	21.3	18.5	27.7

