

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031819\
 Data File : BG039985.D
 Acq On : 19 Mar 2019 1:11
 Operator : JU/SJ
 Sample : K1938-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 W-1

Quant Time: Mar 19 07:51:57 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

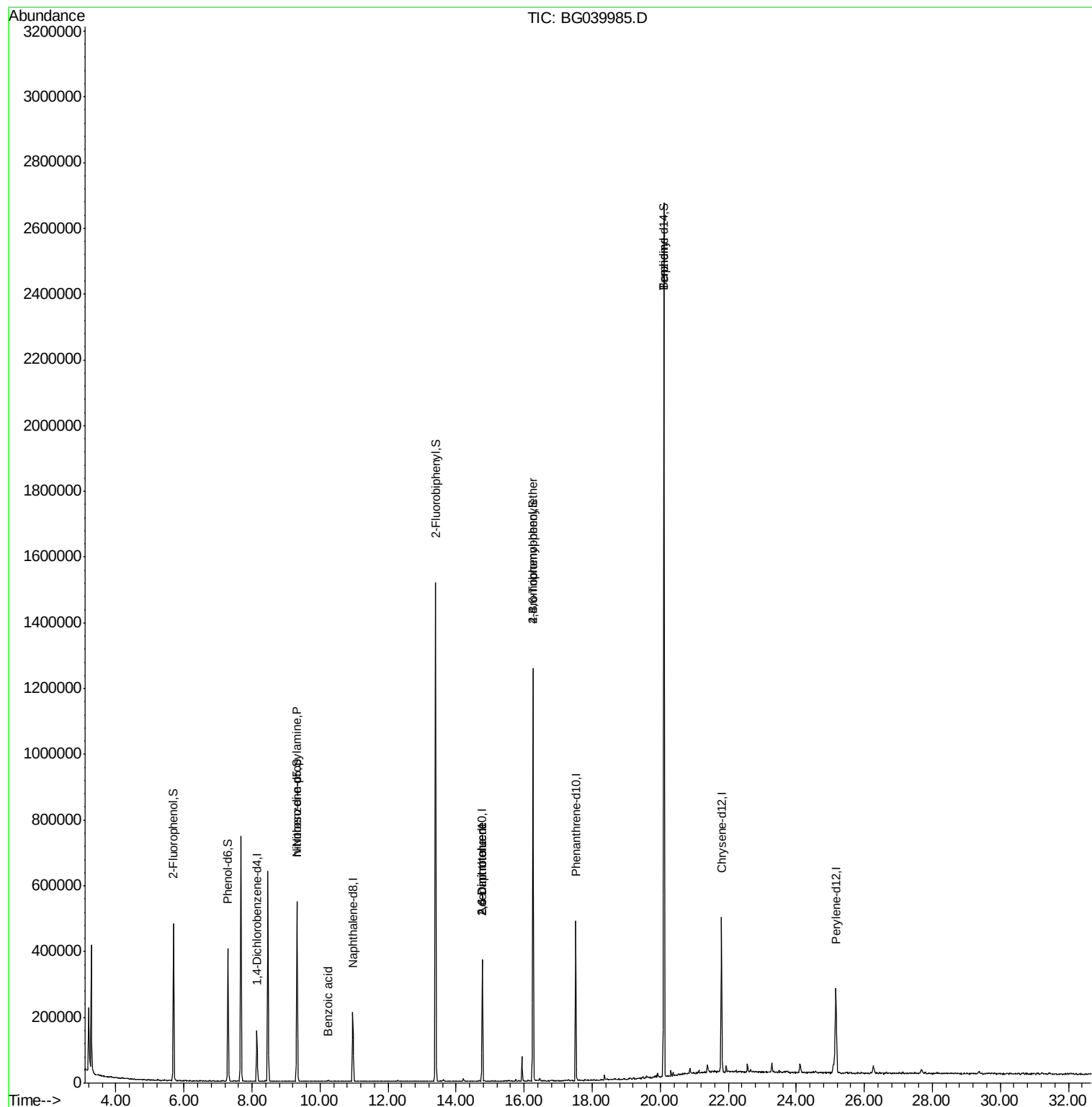
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	43173	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	181356	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	125314	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	293055	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	287631	20.00	ng	-0.03
87) Perylene-d12	25.16	264	285488	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	196582	77.68	ng	-0.02
7) Phenol-d6	7.29	99	221067	58.59	ng	-0.02
23) Nitrobenzene-d5	9.33	82	329728	98.33	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	211197	144.59	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	810693	92.11	ng	-0.02
79) Terphenyl-d14	20.11	244	1190096	91.10	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.33	70	43938	16.178	ng	# 70
32) Benzoic acid	10.25	122	130	6.660	ng	# 1
51) 2,6-Dinitrotoluene	14.77	165	16074	7.236	ng	# 23
57) 2,4-Dinitrotoluene	14.77	165	16074	5.150	ng	# 18
67) 4-Bromophenyl-phenylether	16.26	248	16899	5.152	ng	# 1
77) Benzidine	20.11	184	22378	2.452	ng	96

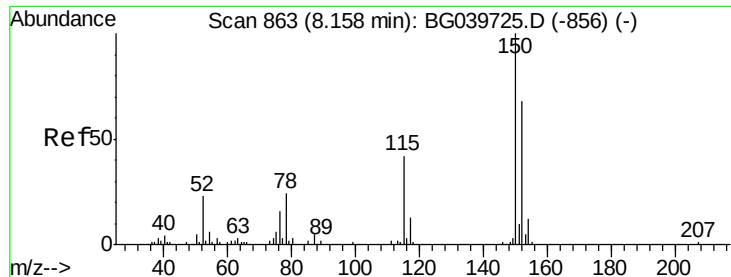
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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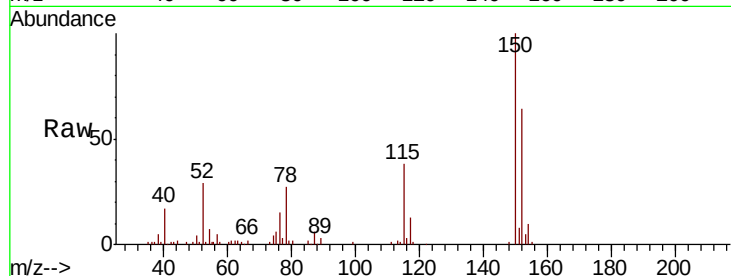


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039985.D
Acq: 19 Mar 2019 1:11

Instrument :
BNA_G
ClientSampleId :
W-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	123.7	185.5
115	59.5	45.9	68.9

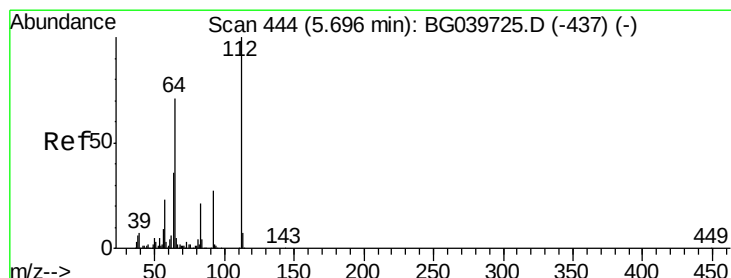
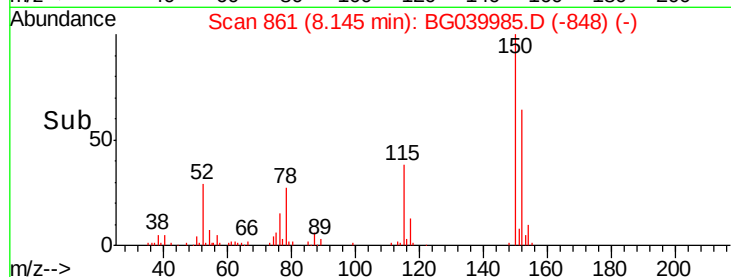
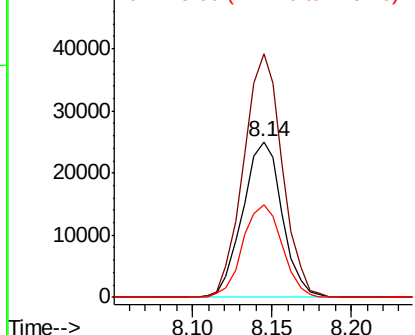


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

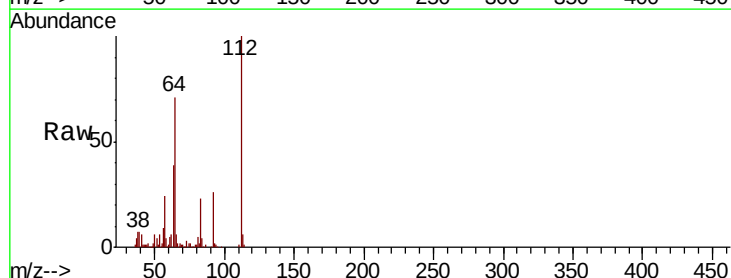
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.681 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039985.D
Acq: 19 Mar 2019 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	57.8	86.8
63	39.0	29.8	44.6

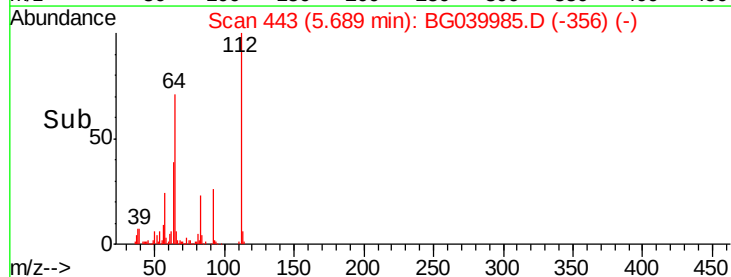
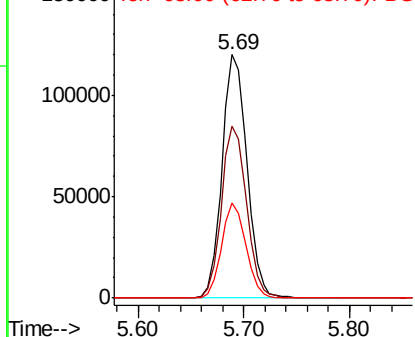


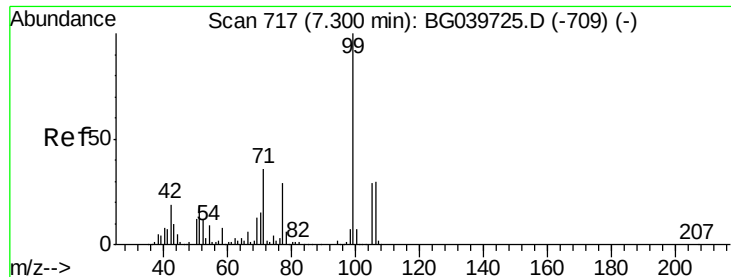
Abundance

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: 58.587 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

Instrument :

BNA_G

ClientSampled :

W-1

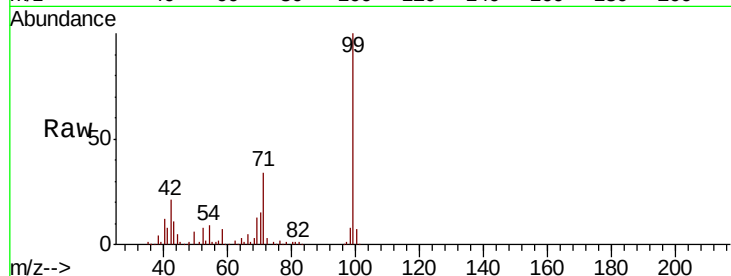
Tgt Ion: 99 Resp: 221067

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

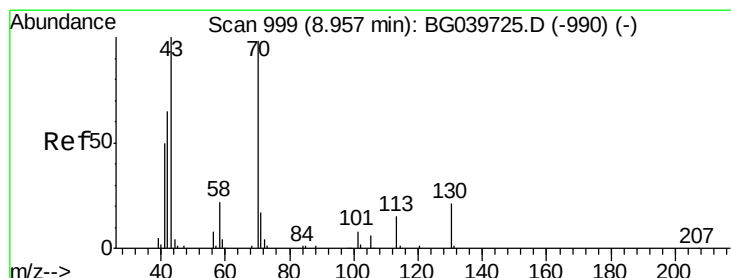
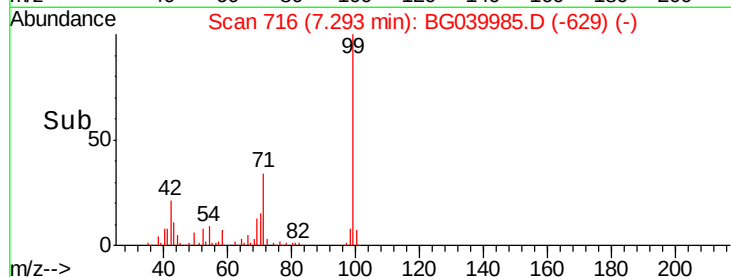
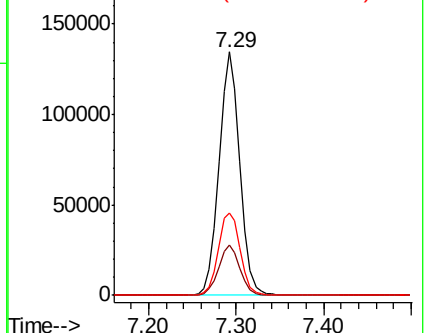
71 34.0 28.0 42.0



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: 16.178 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

Tgt Ion: 70 Resp: 43938

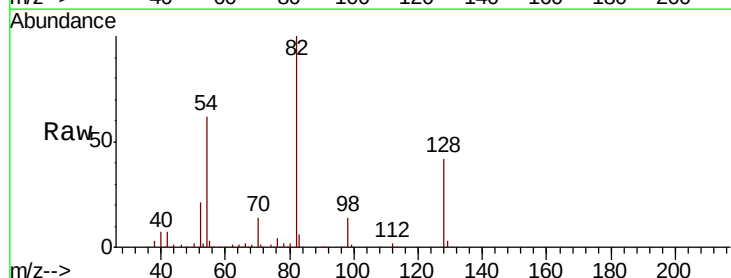
Ion Ratio Lower Upper

70 100

42 52.2 60.4 90.6#

101 0.0 7.5 11.3#

130 1.6 16.9 25.3#

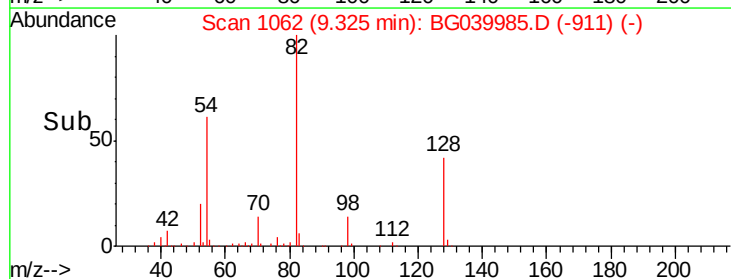
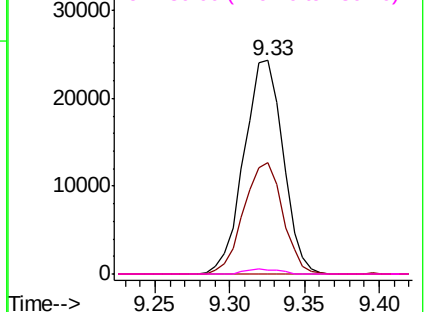


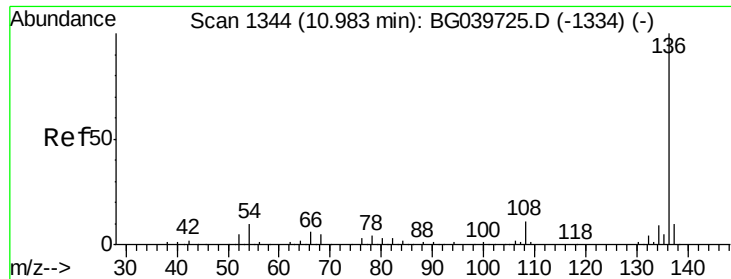
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

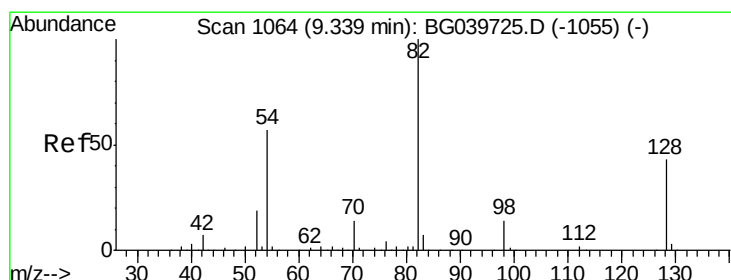
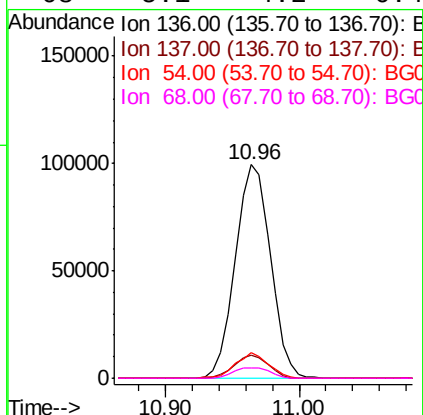
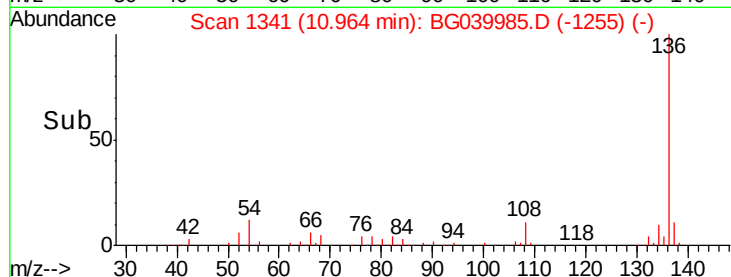
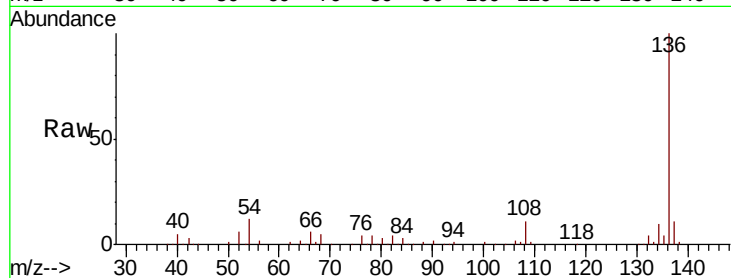




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BG039985.D
Acq: 19 Mar 2019 1:11

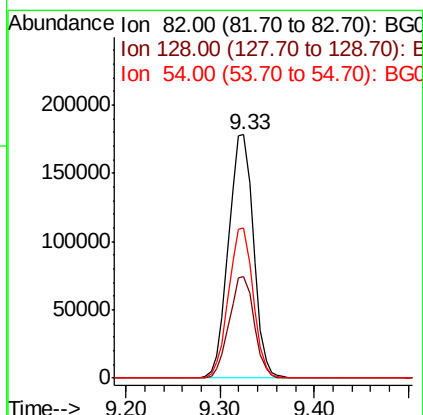
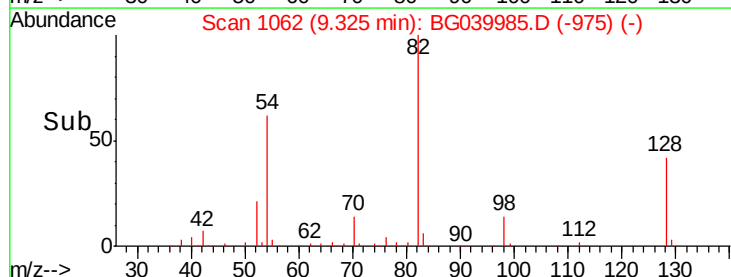
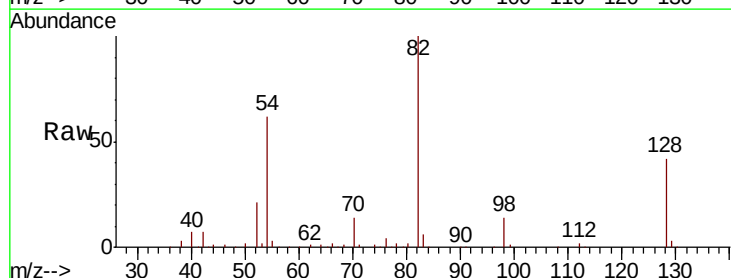
Instrument :
BNA_G
ClientSampleId :
W-1

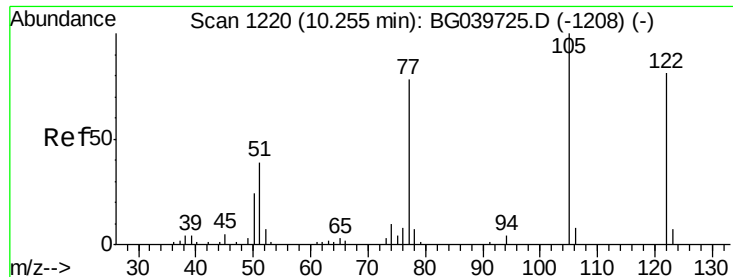
Tgt Ion:	136	Resp:	181356
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	11.7	9.4	14.2
68	5.1	4.2	6.4



#23
Nitrobenzene-d5
Concen: 98.332 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039985.D
Acq: 19 Mar 2019 1:11

Tgt Ion:	82	Resp:	329728
Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	61.5	50.9	76.3





#32

Benzoic acid

Concen: 6.660 ng

RT: 10.25 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

Instrument :

BNA_G

ClientSampleId :

W-1

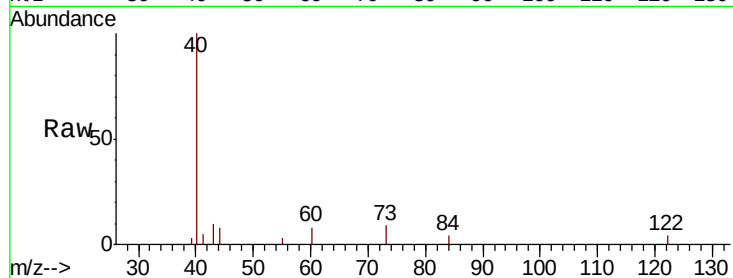
Tgt Ion:122 Resp: 130

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

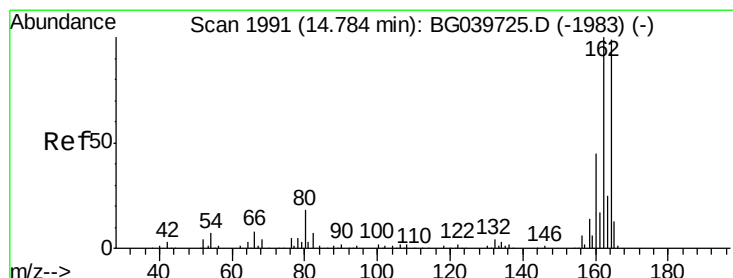
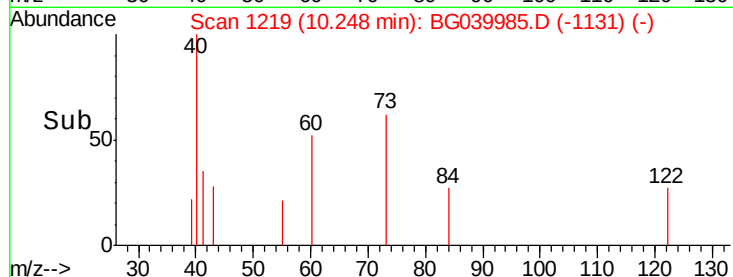
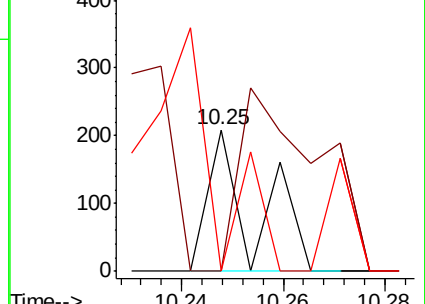
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

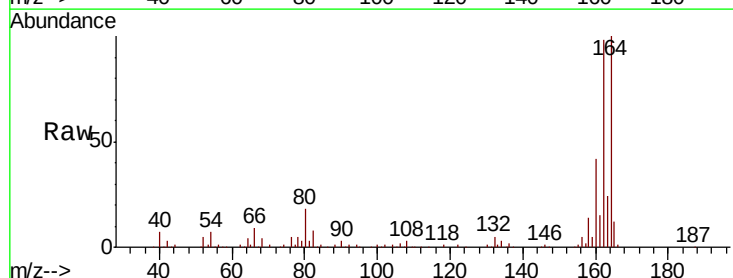
Tgt Ion:164 Resp: 125314

Ion Ratio Lower Upper

164 100

162 97.5 81.6 122.4

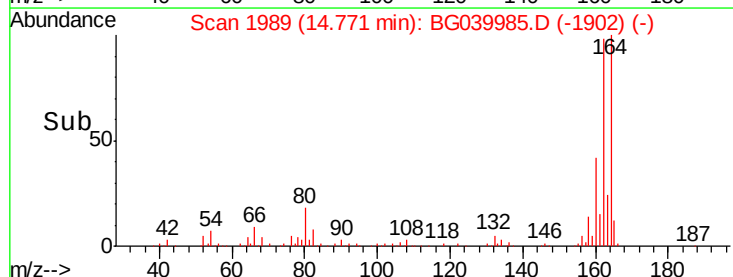
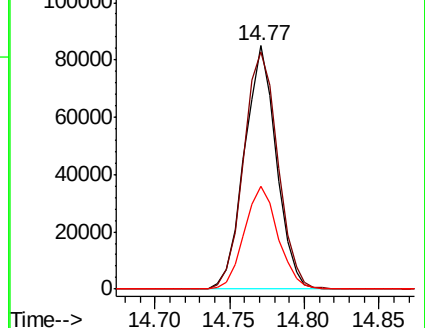
160 42.4 34.2 51.2

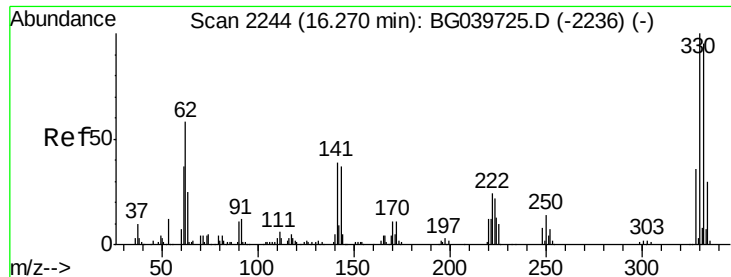


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

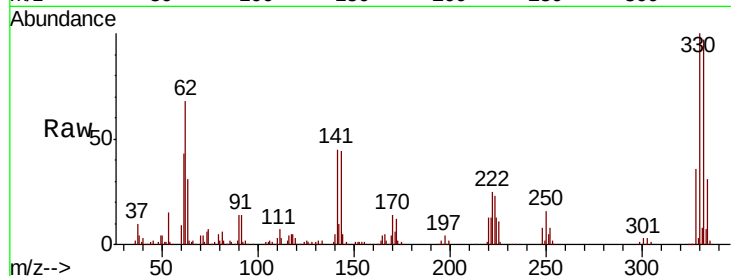




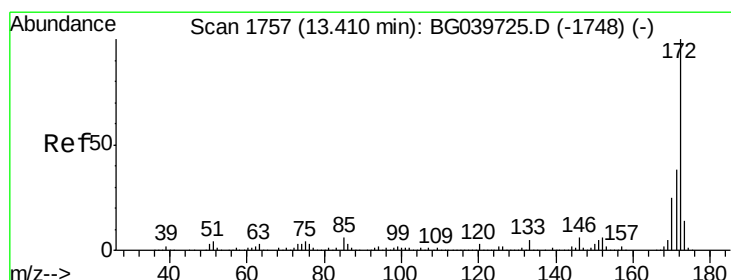
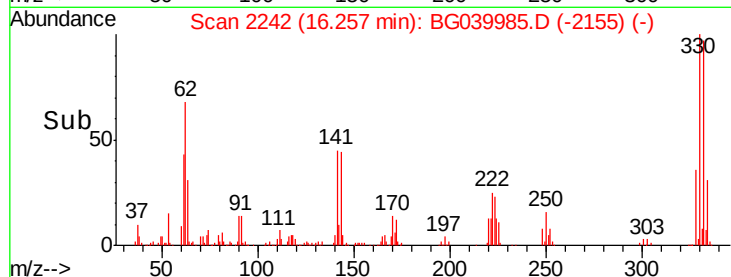
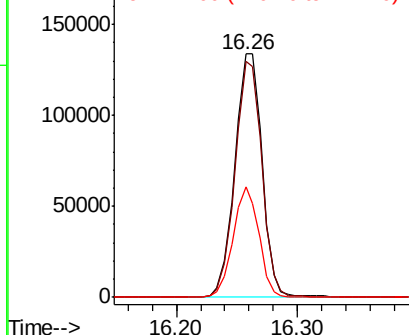
#42
 2,4,6-Tribromophenol
 Concen: 144.593 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039985.D
 Acq: 19 Mar 2019 1:11

Instrument :
 BNA_G
 ClientSampleId :
 W-1

Tgt Ion:330 Resp: 211197
 Ion Ratio Lower Upper
 330 100
 332 95.5 75.7 113.5
 141 43.0 35.6 53.4

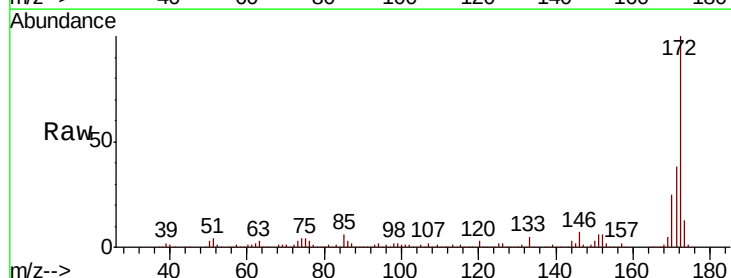


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

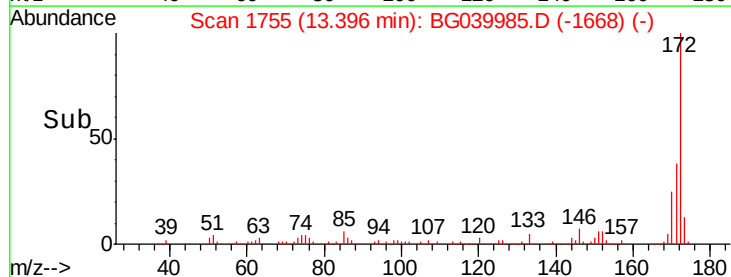
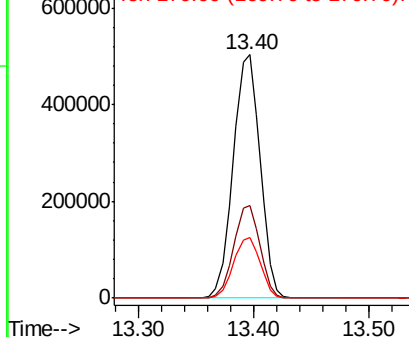


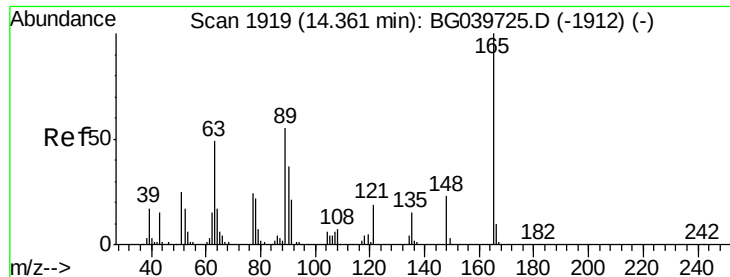
#45
 2-Fluorobiphenyl
 Concen: 92.112 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039985.D
 Acq: 19 Mar 2019 1:11

Tgt Ion:172 Resp: 810693
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.8 46.2
 170 25.1 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: 7.236 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.40 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

Instrument :

BNA_G

ClientSampled :

W-1

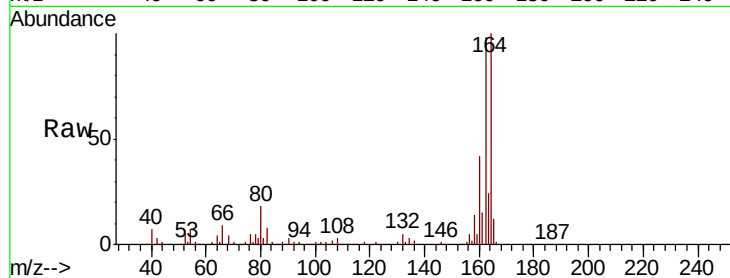
Tgt Ion:165 Resp: 16074

Ion Ratio Lower Upper

165 100

63 2.0 47.0 70.6#

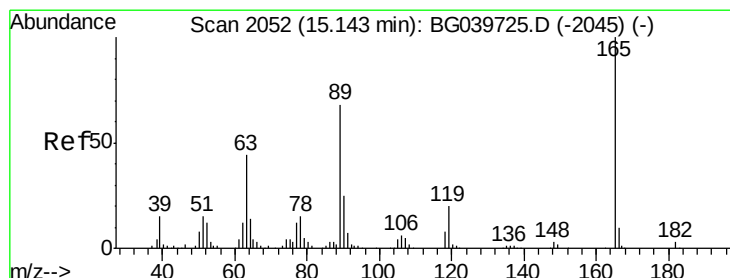
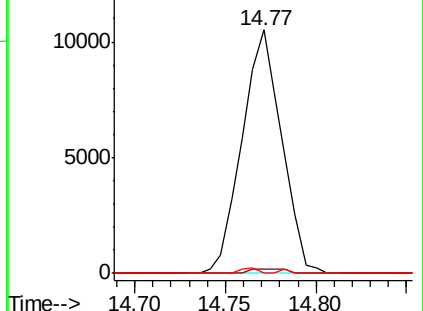
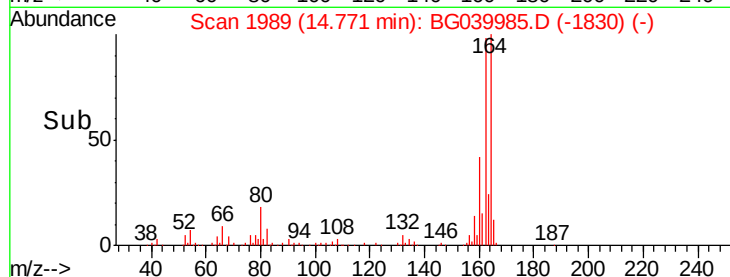
89 0.0 45.8 68.8#



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: 5.150 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.38 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

Tgt Ion:165 Resp: 16074

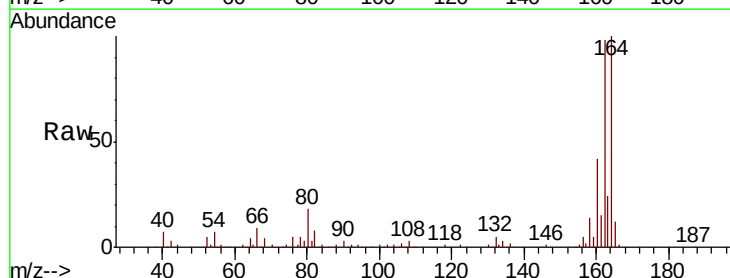
Ion Ratio Lower Upper

165 100

63 2.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

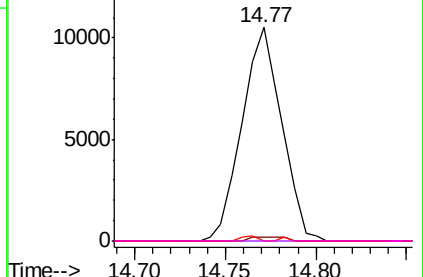
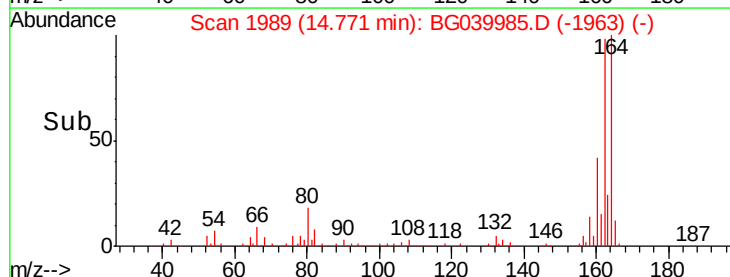


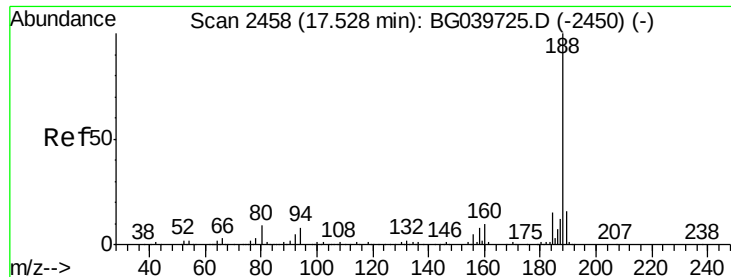
Abundance Ion 165.00 (164.70 to 165.70): E

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

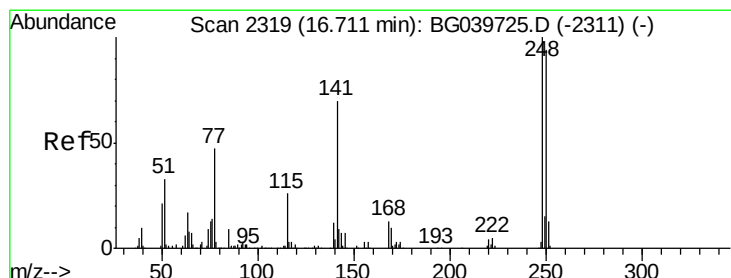
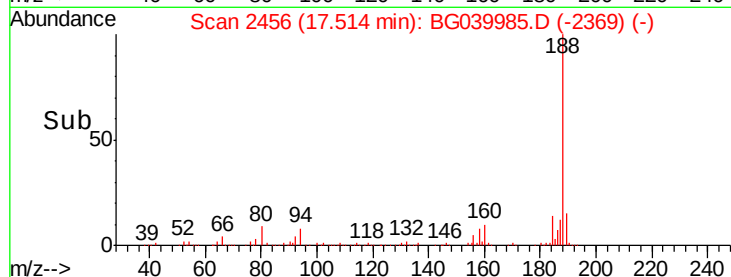
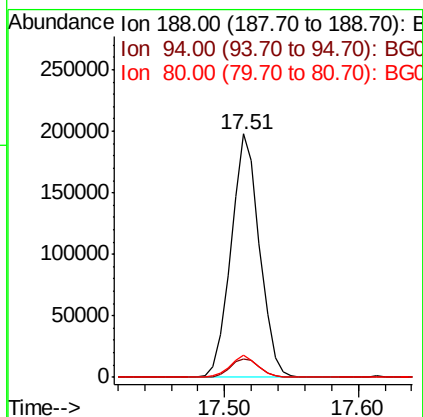
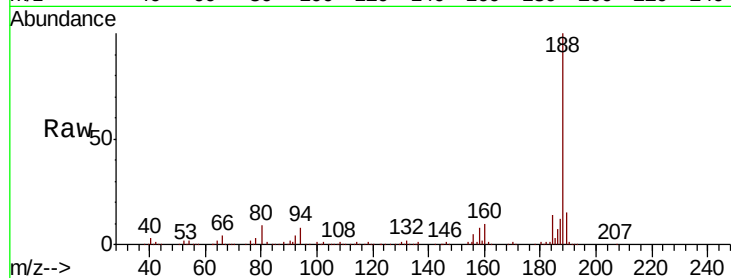




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039985.D
 Acq: 19 Mar 2019 1:11

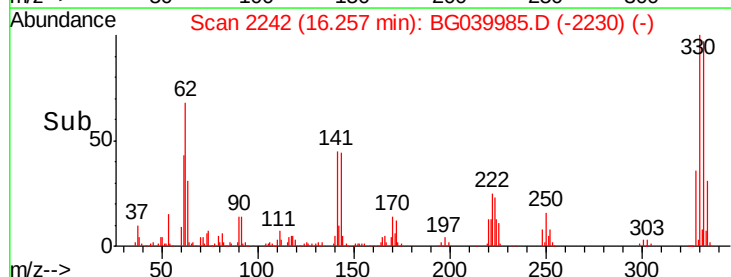
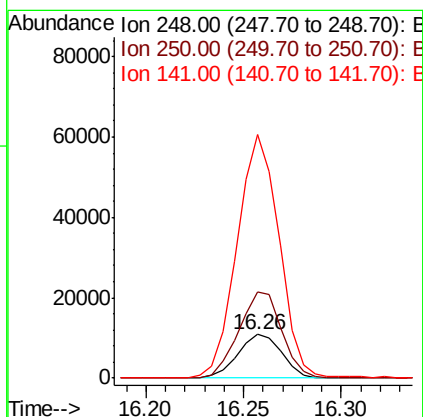
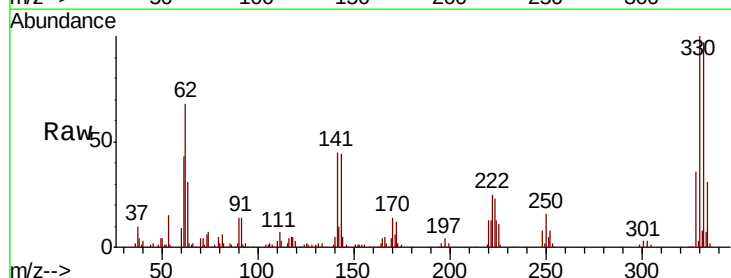
Instrument :
 BNA_G
 ClientSampleId :
 W-1

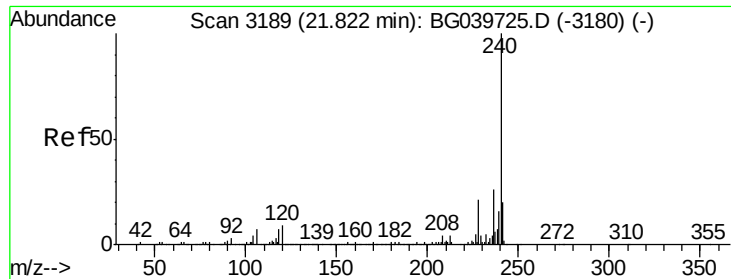
Tgt Ion:188 Resp: 293055
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.9 10.3
 80 9.4 8.1 12.1



#67
 4-Bromophenyl-phenylether
 Concen: 5.152 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039985.D
 Acq: 19 Mar 2019 1:11

Tgt Ion:248 Resp: 16899
 Ion Ratio Lower Upper
 248 100
 250 198.1 77.6 116.4#
 141 556.1 63.9 95.9#

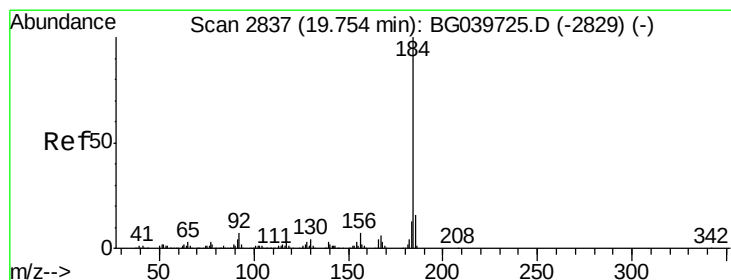
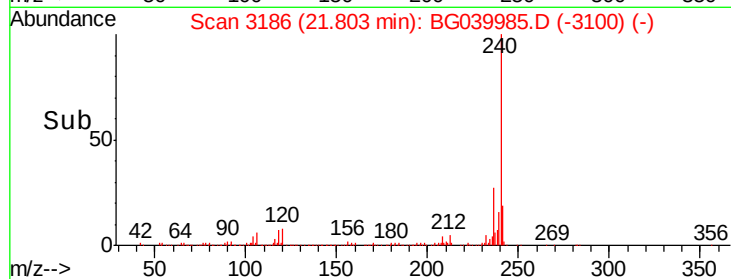
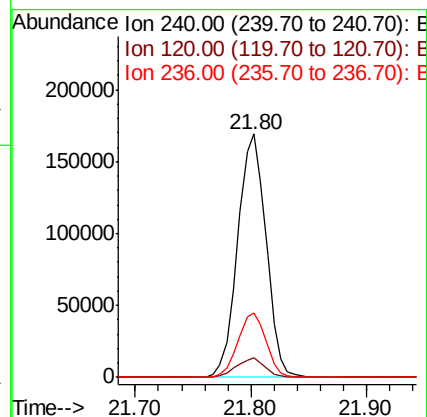
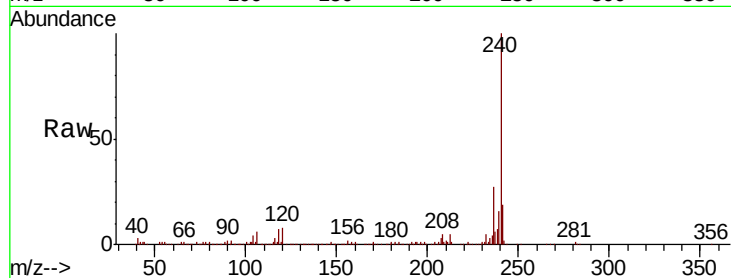




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.03 min
Lab File: BG039985.D
Acq: 19 Mar 2019 1:11

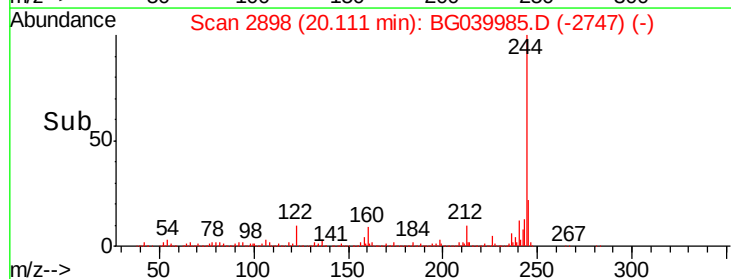
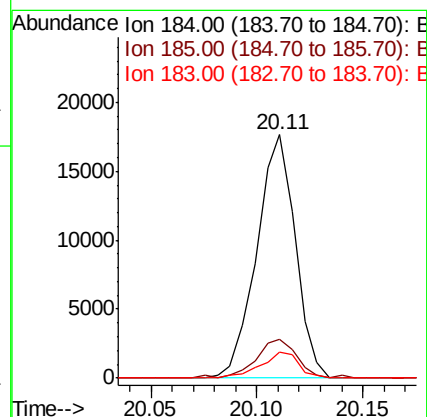
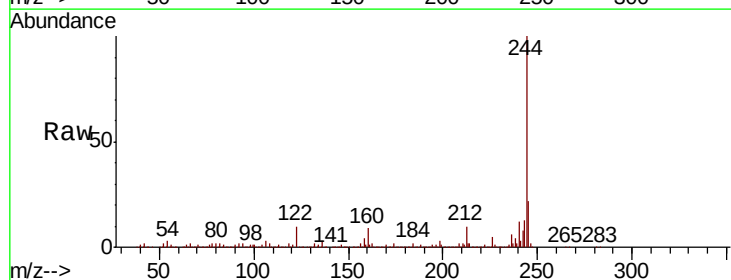
Instrument :
BNA_G
ClientSampled :
W-1

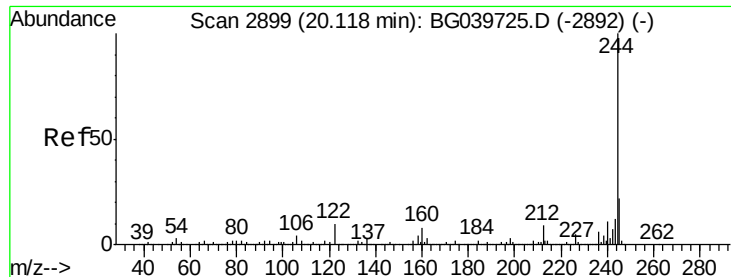
Tgt Ion:240 Resp: 287631
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 26.6 21.0 31.4



#77
Benzidine
Concen: 2.452 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039985.D
Acq: 19 Mar 2019 1:11

Tgt Ion:184 Resp: 22378
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 10.8 10.6 15.8





#79

Terphenyl-d14

Concen: 91.101 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

Instrument :

BNA_G

ClientSampleId :

W-1

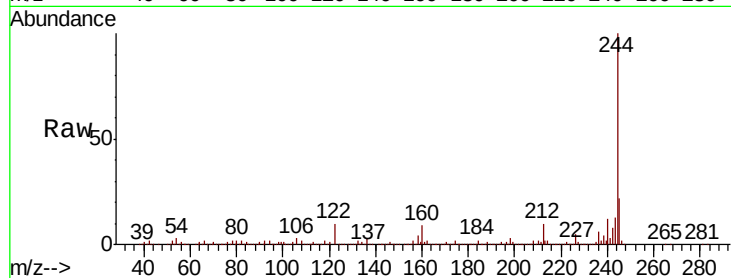
Tgt Ion:244 Resp: 1190096

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

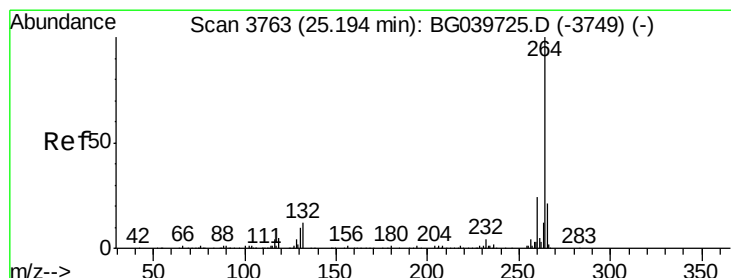
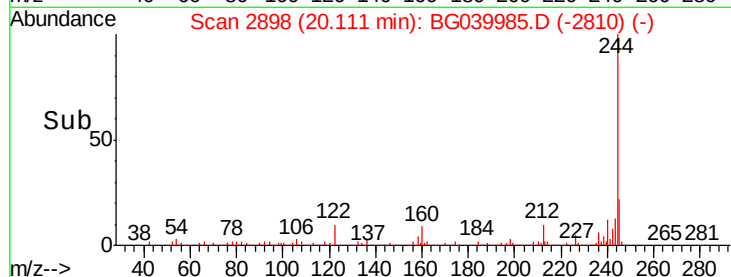
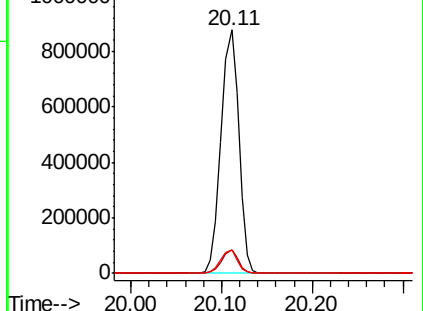
122 9.6 8.4 12.6



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: 25.16 min Scan# 3758

Delta R.T. -0.04 min

Lab File: BG039985.D

Acq: 19 Mar 2019 1:11

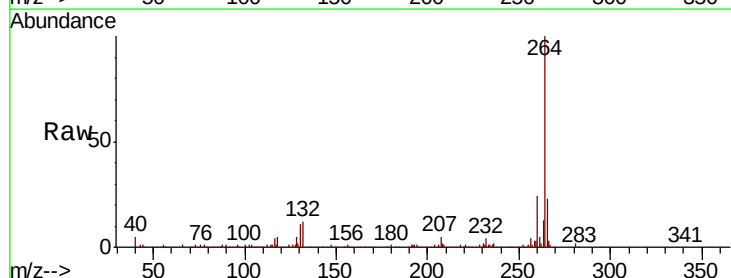
Tgt Ion:264 Resp: 285488

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 23.2 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

