

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031419\
 Data File : BG039932.D
 Acq On : 14 Mar 2019 19:41
 Operator : JU/SJ
 Sample : K1894-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW13-GW

Quant Time: Mar 15 08:10:31 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

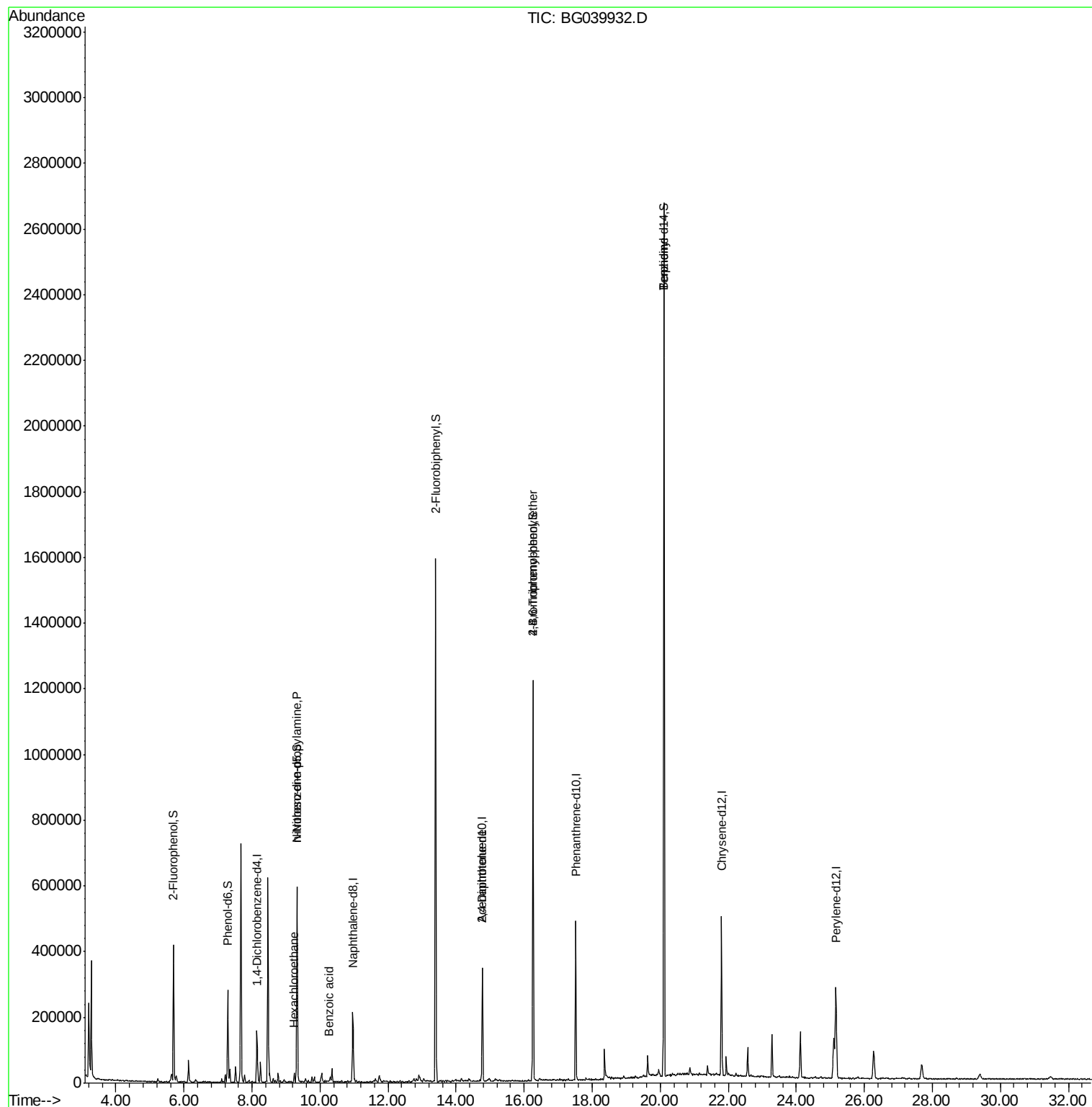
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41521	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	177421	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	121716	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	292040	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	301161	20.00	ng	-0.03
87) Perylene-d12	25.16	264	305129	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	167426	68.79	ng	-0.02
7) Phenol-d6	7.29	99	155184	42.76	ng	-0.03
23) Nitrobenzene-d5	9.33	82	327800	99.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	212979	150.12	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	791646	92.61	ng	-0.02
79) Terphenyl-d14	20.11	244	1208643	88.36	ng	-0.01
Target Compounds						
18) Hexachloroethane	9.24	117	3532	2.894	ng	# 1
19) n-Nitroso-di-n-propylamine	9.33	70	44629	17.086	ng	# 69
32) Benzoic acid	10.27	122	303	6.746	ng	# 89
57) 2,4-Dinitrotoluene	14.77	165	15741	5.192	ng	# 20
67) 4-Bromophenyl-phenylether	16.26	248	16415	5.022	ng	# 1
77) Benzidine	20.11	184	22752	2.381	ng	# 94

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

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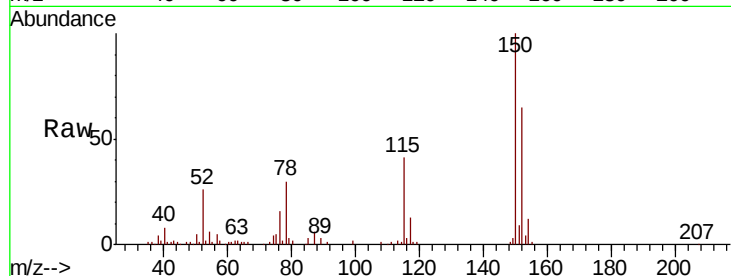


#1

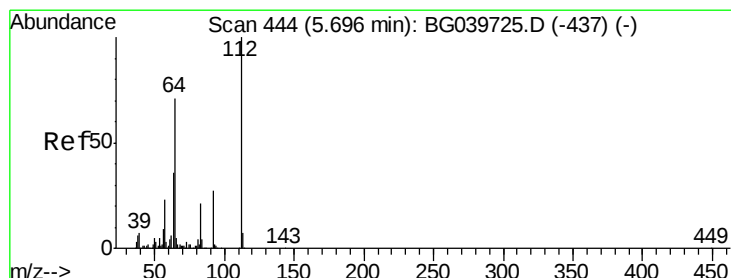
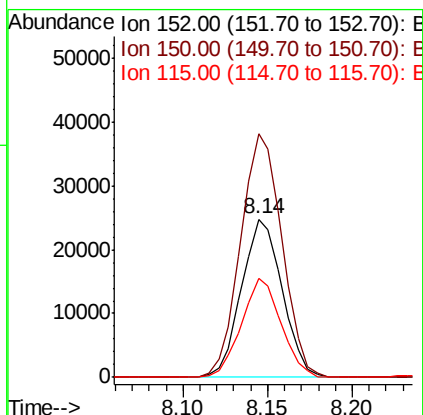
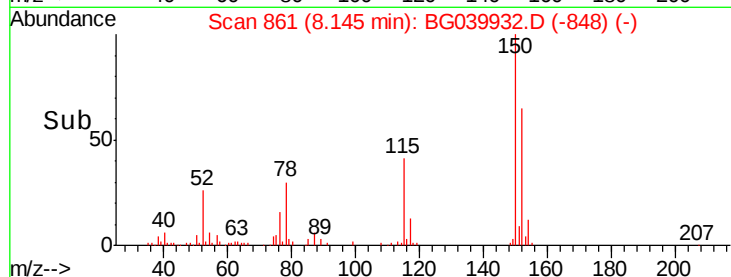
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW13-GW

Tot Ion:152 Resp: 41521
Ion Ratio Lower Upper
152 100
150 153.7 123.7 185.5
115 62.7 45.9 68.9



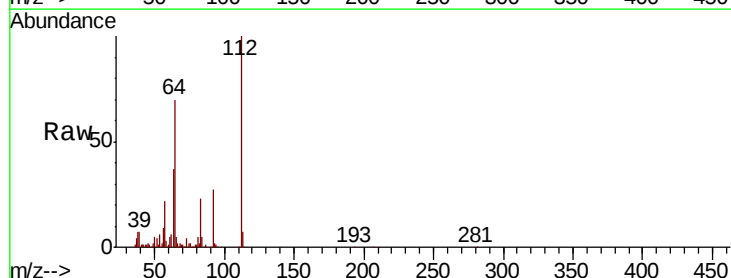
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



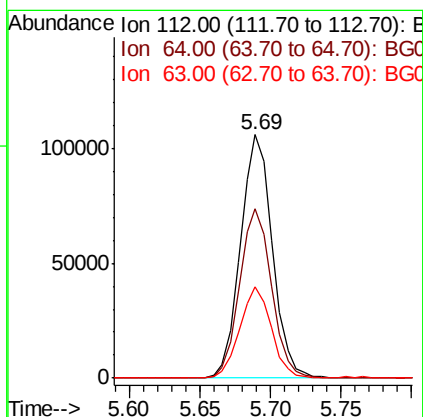
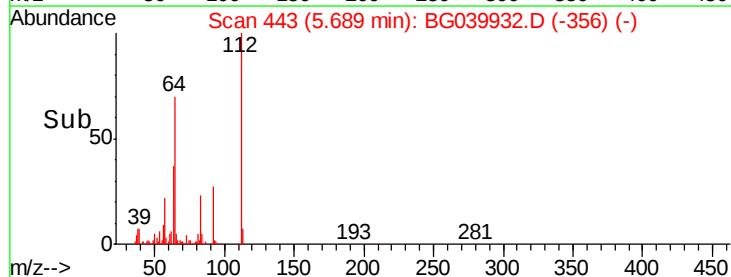
#5

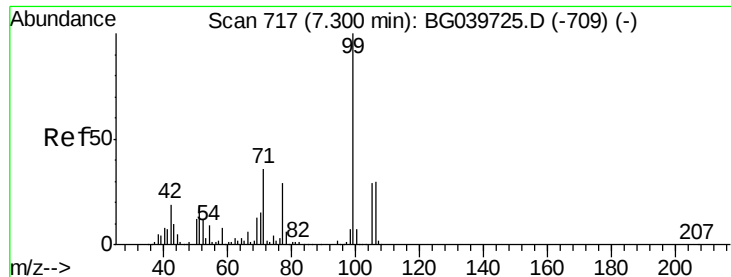
2-Fluorophenol
Concen: 68.792 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

Tgt Ion:112 Resp: 167426
Ion Ratio Lower Upper
112 100
64 69.8 57.8 86.8
63 37.3 29.8 44.6



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: 42.763 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.03 min

Lab File: BG039932.D

Acq: 14 Mar 2019 19:41

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW13-GW

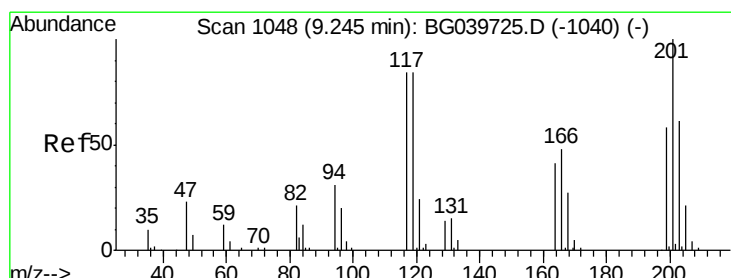
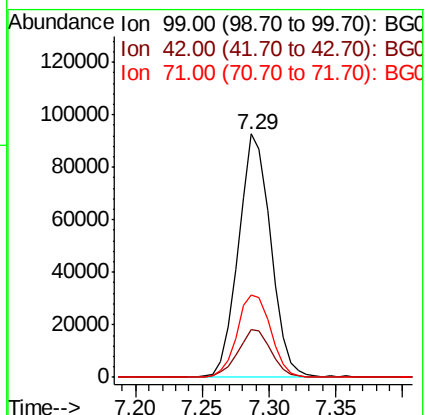
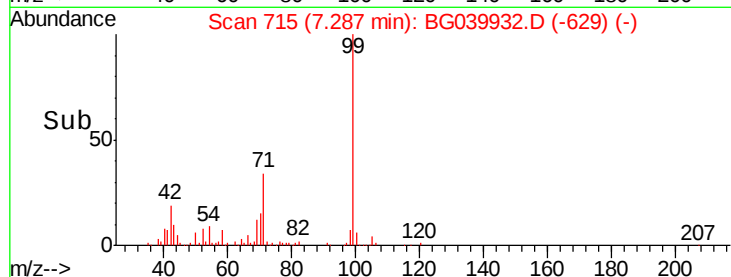
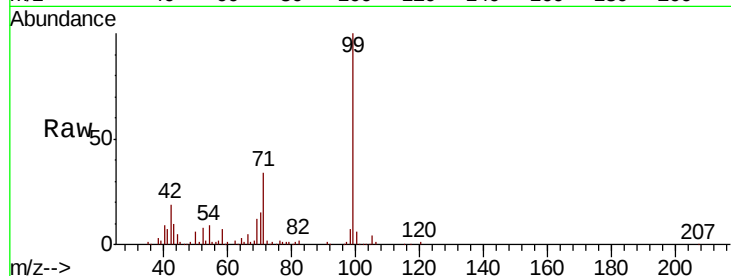
Tot Ion: 99 Resp: 155184

Ion Ratio Lower Upper

99 100

42 19.5 18.2 27.2

71 33.9 28.0 42.0



#18

Hexachloroethane

Concen: 2.894 ng

RT: 9.24 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BG039932.D

Acq: 14 Mar 2019 19:41

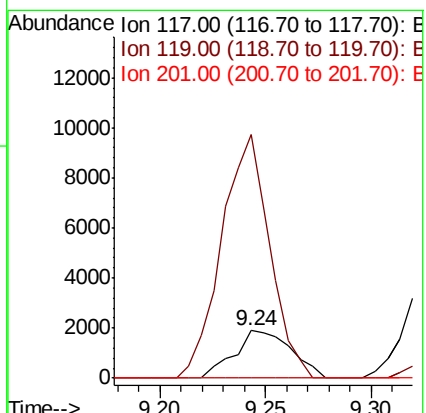
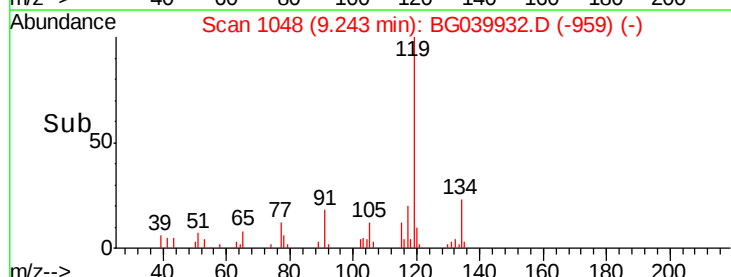
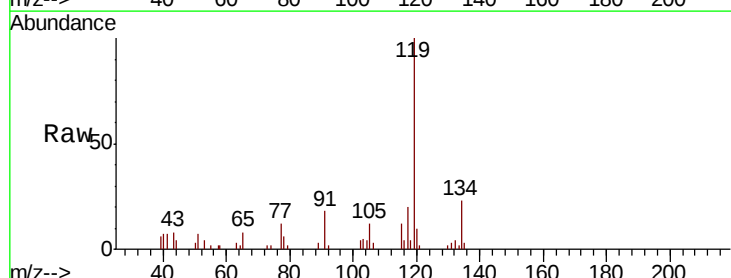
Tgt Ion: 117 Resp: 3532

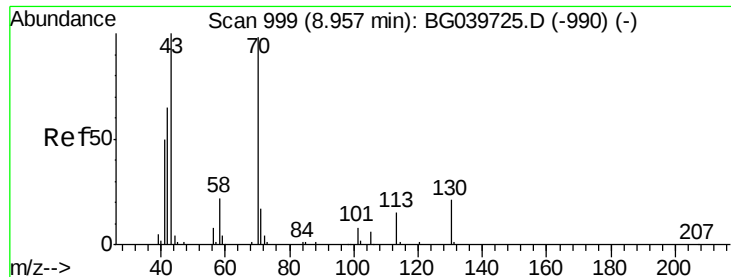
Ion Ratio Lower Upper

117 100

119 512.6 76.3 114.5#

201 0.0 91.1 136.7#





#19

n-Nitroso-di-n-propylamine

Concen: 17.086 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG039932.D

Acq: 14 Mar 2019 19:41

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW13-GW

Tot Ion: 70 Resp: 44629

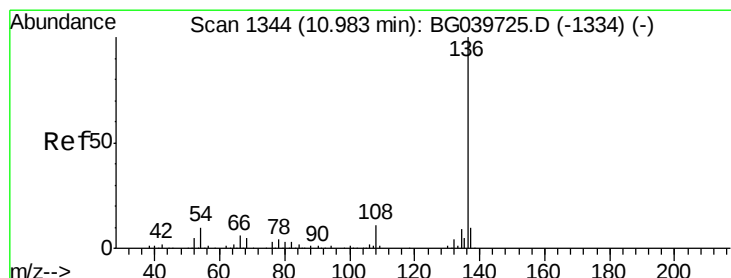
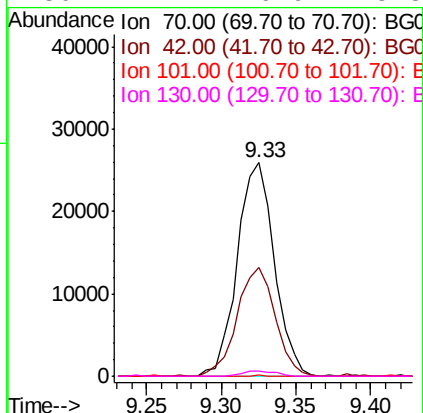
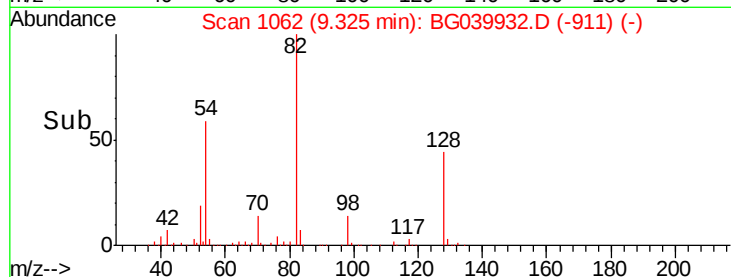
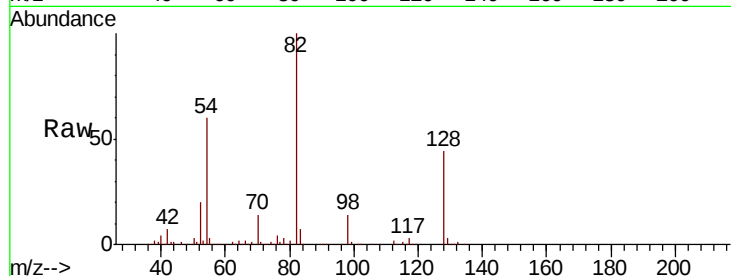
Ion Ratio Lower Upper

70 100

42 50.9 60.4 90.6#

101 0.8 7.5 11.3#

130 2.2 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BG039932.D

Acq: 14 Mar 2019 19:41

Tgt Ion: 136 Resp: 177421

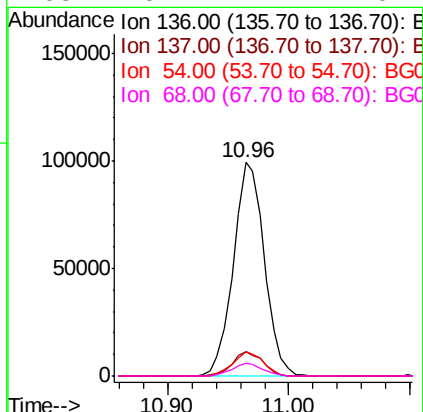
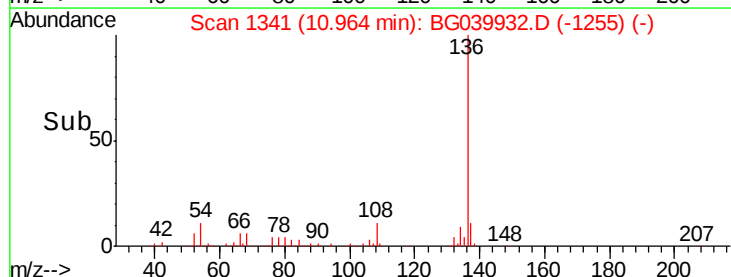
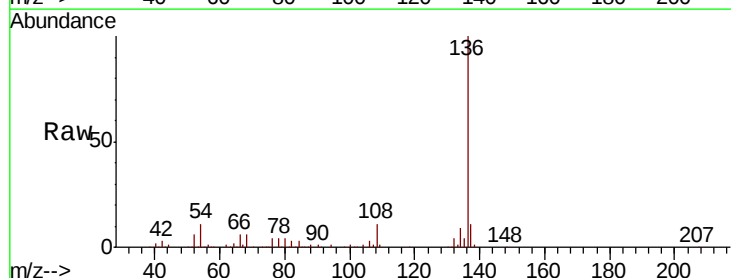
Ion Ratio Lower Upper

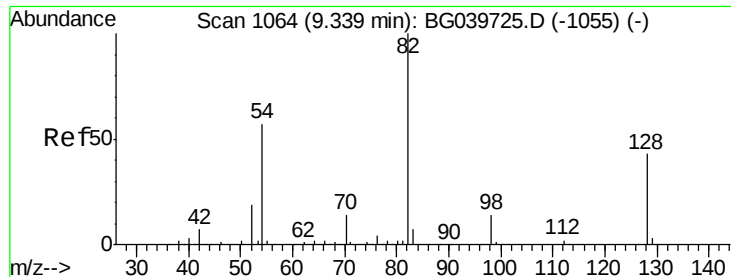
136 100

137 11.4 9.1 13.7

54 11.3 9.4 14.2

68 6.1 4.2 6.4

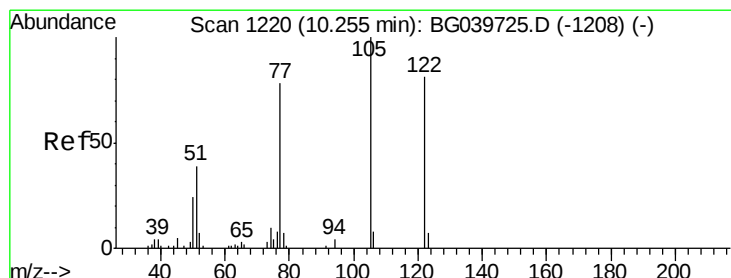
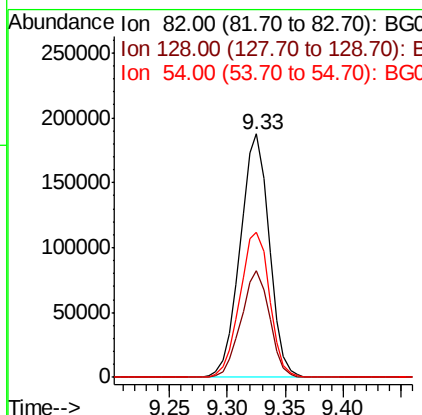
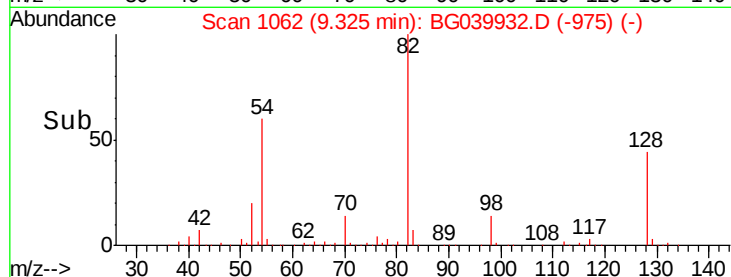
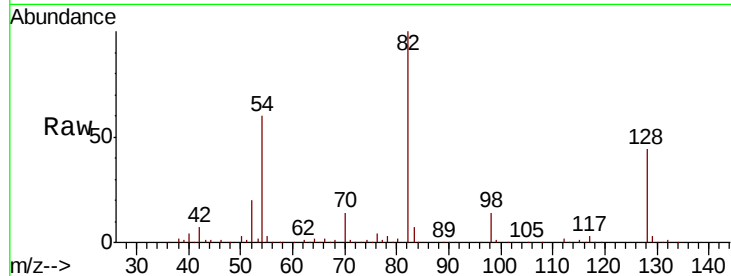




#23
 Nitrobenzene-d5
 Concen: 99.925 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BG039932.D
 Acq: 14 Mar 2019 19:41

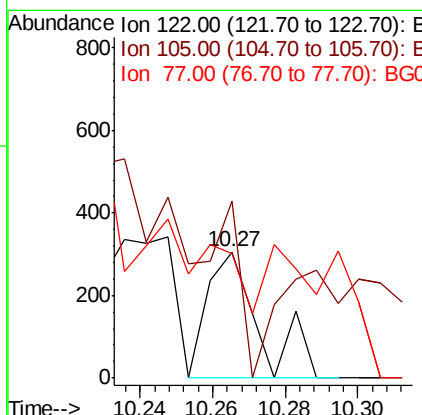
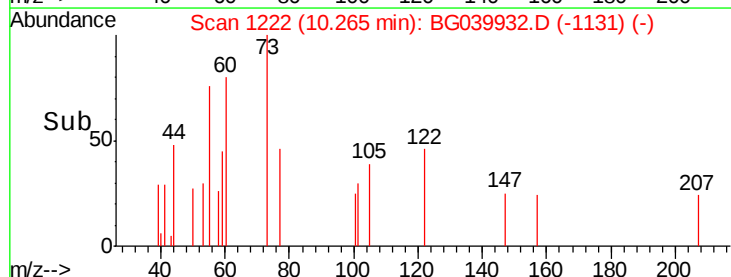
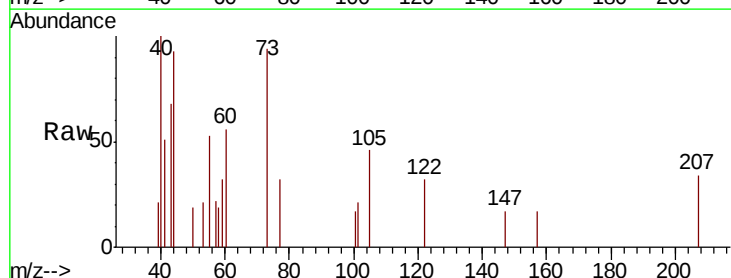
Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW13-GW

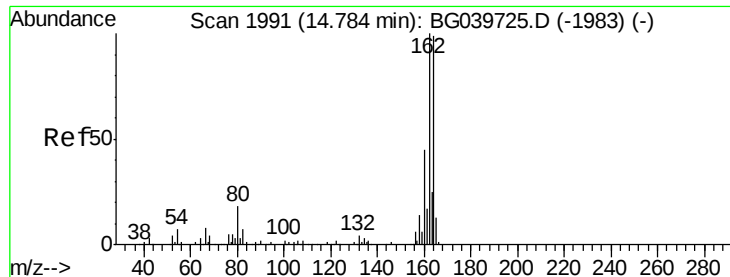
Tot Ion: 82 Resp: 327800
 Ion Ratio Lower Upper
 82 100
 128 43.9 31.3 46.9
 54 59.5 50.9 76.3



#32
 Benzoic acid
 Concen: 6.746 ng
 RT: 10.27 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BG039932.D
 Acq: 14 Mar 2019 19:41

Tgt Ion: 122 Resp: 303
 Ion Ratio Lower Upper
 122 100
 105 141.0 101.8 141.8
 77 99.3 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: BG039932.D

Acq: 14 Mar 2019 19:41

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW13-GW

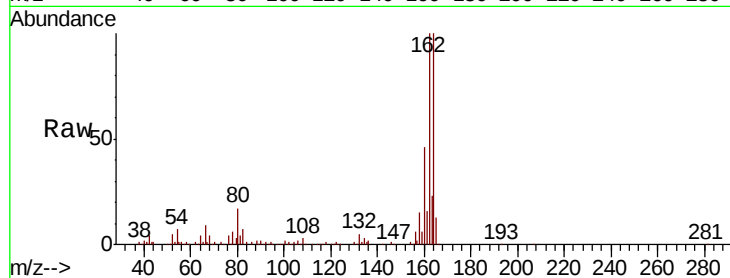
Tot Ion:164 Resp: 121716

Ion Ratio Lower Upper

164 100

162 99.8 81.6 122.4

160 46.2 34.2 51.2

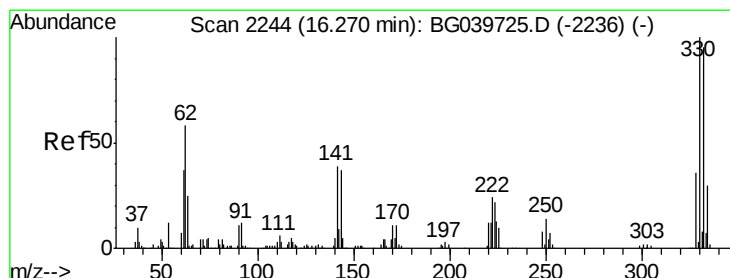
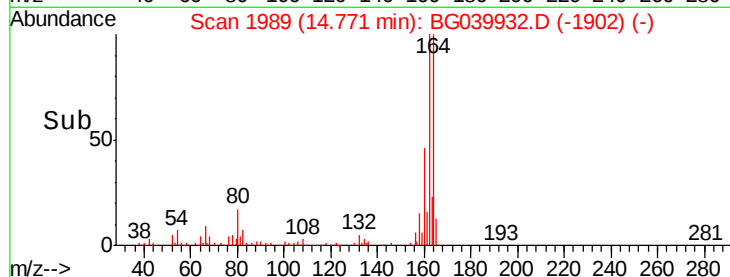
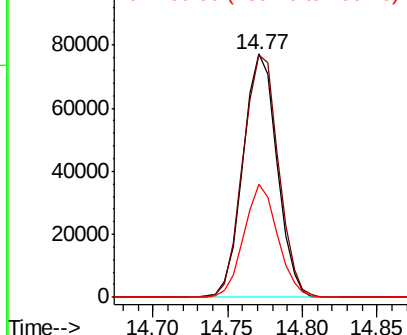


Abundance

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: 150.124 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039932.D

Acq: 14 Mar 2019 19:41

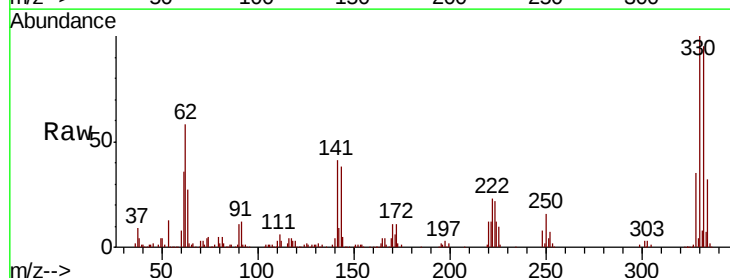
Tgt Ion:330 Resp: 212979

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

141 43.7 35.6 53.4

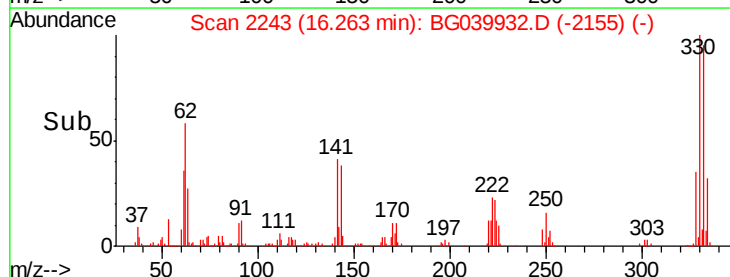
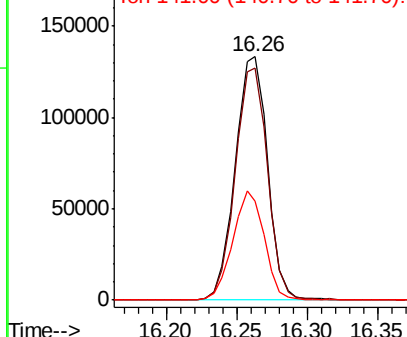


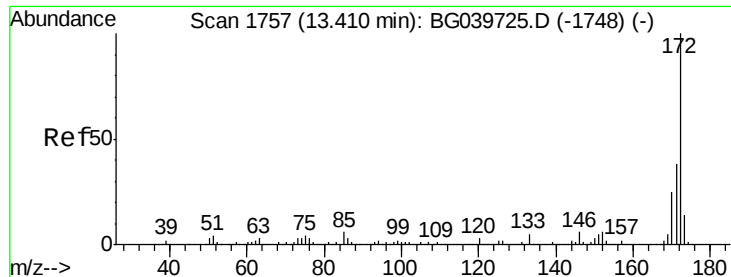
Abundance

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

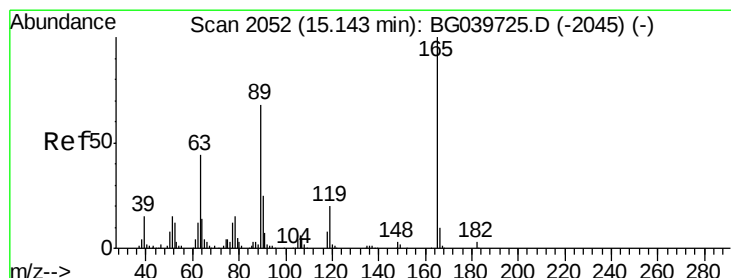
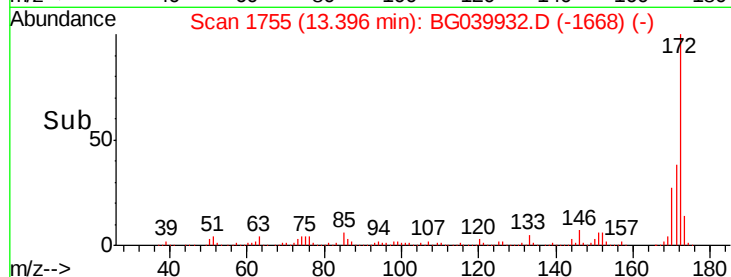
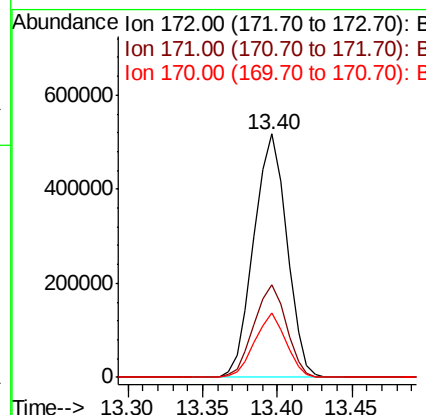
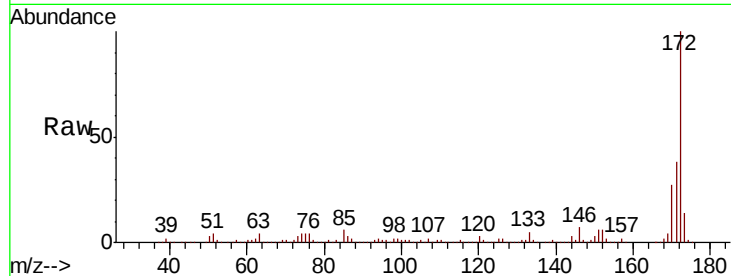




#45
2-Fluorobiphenyl
Concen: 92.606 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

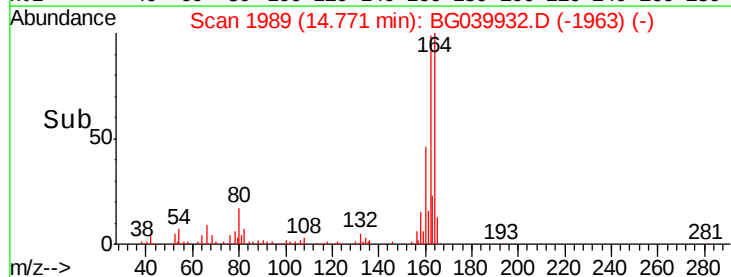
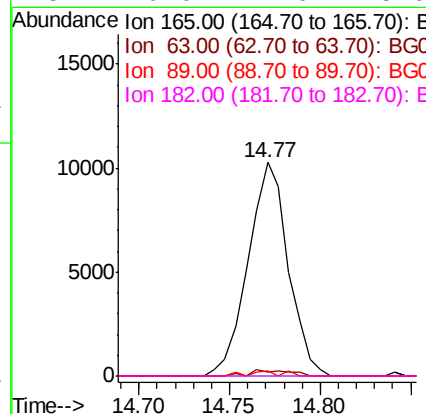
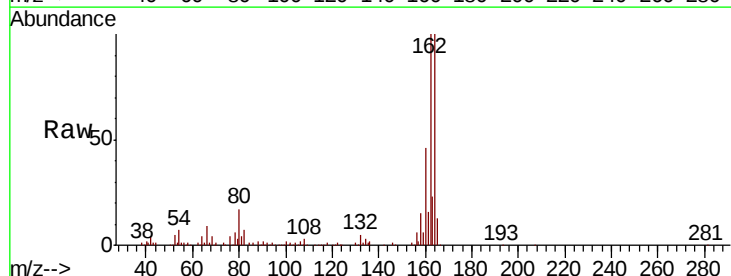
Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW13-GW

Tot Ion:172 Resp: 791646
Ion Ratio Lower Upper
172 100
171 38.2 30.8 46.2
170 26.5 20.2 30.4



#57
2,4-Dinitrotoluene
Concen: 5.192 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.38 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

Tgt Ion:165 Resp: 15741
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.6#
89 2.2 64.6 96.8#
182 0.0 2.0 3.0#

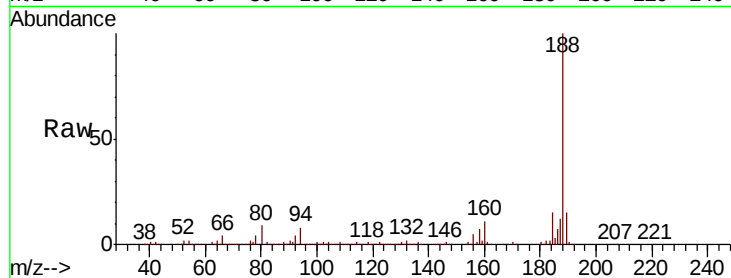




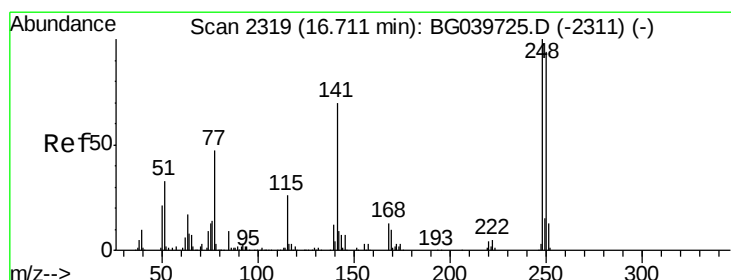
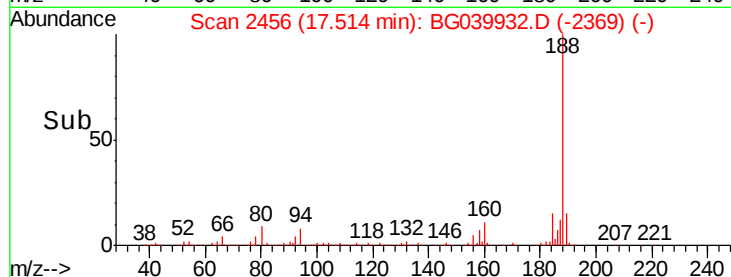
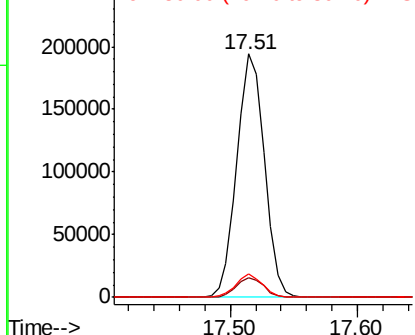
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2456
Delta R.T. -0.02 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW13-GW

Tot Ion:188 Resp: 292040
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.5 8.1 12.1

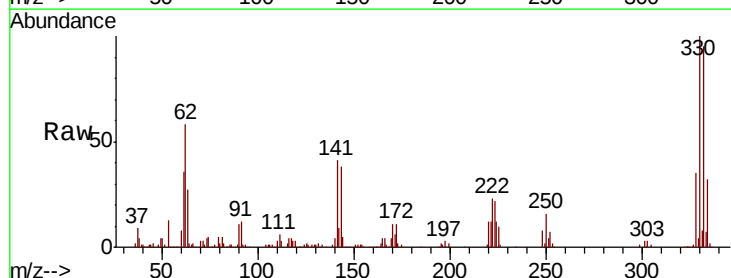


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

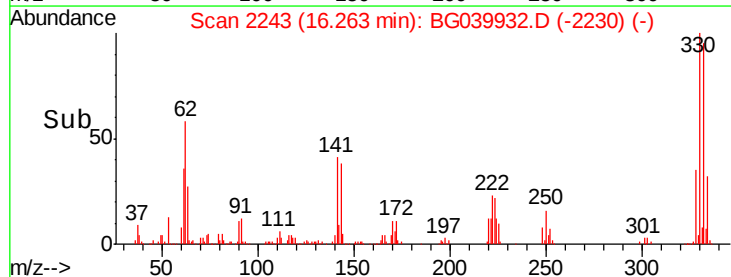
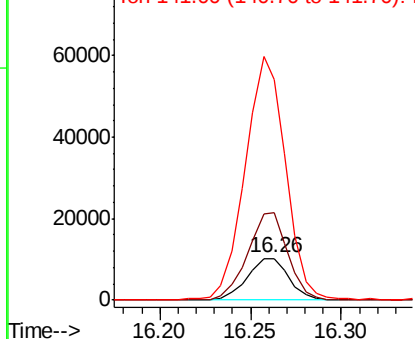


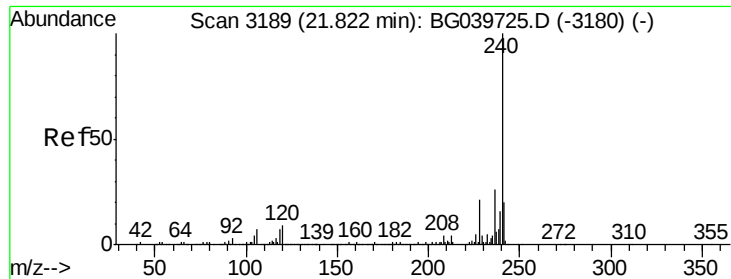
#67
4-Bromophenyl-phenylether
Concen: 5.022 ng
RT: 16.26 min Scan# 2243
Delta R.T. -0.45 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

Tgt Ion:248 Resp: 16415
Ion Ratio Lower Upper
248 100
250 210.1 77.6 116.4#
141 528.3 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

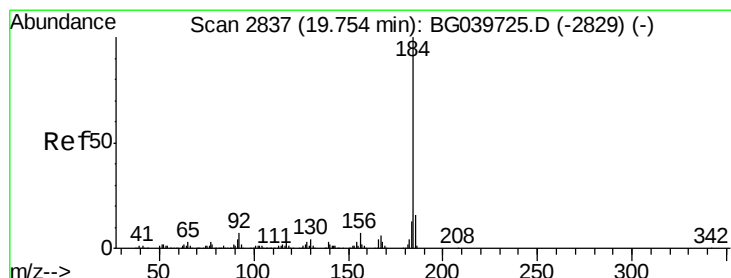
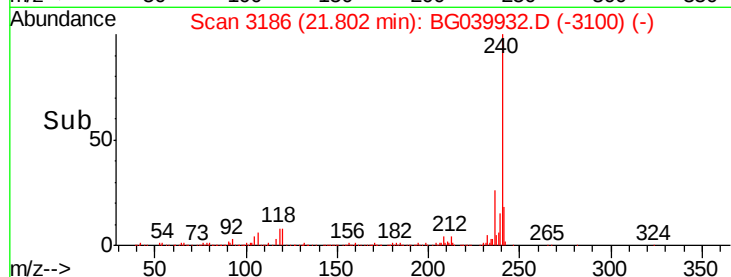
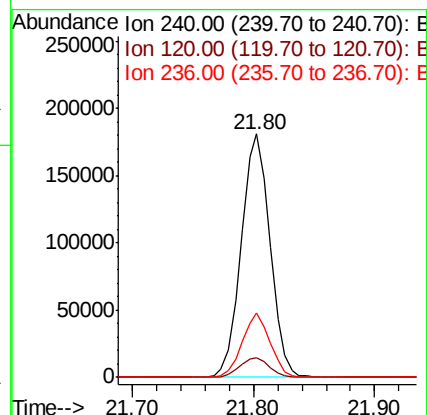
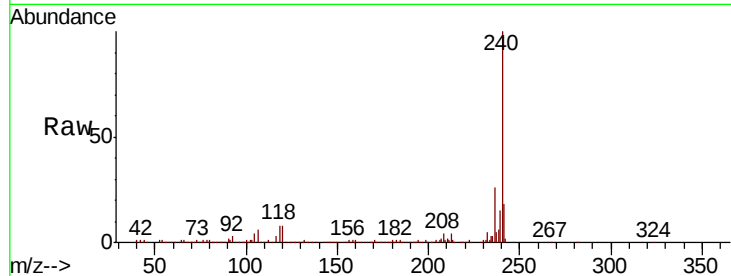




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.03 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

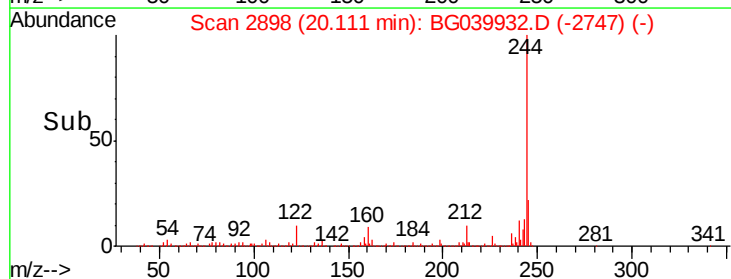
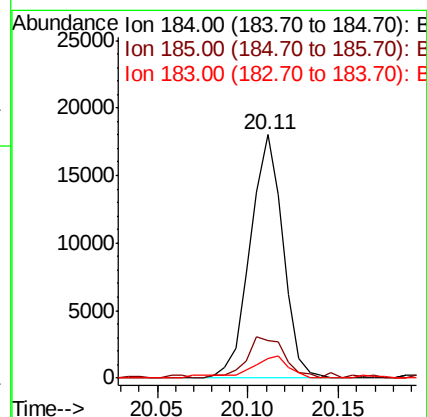
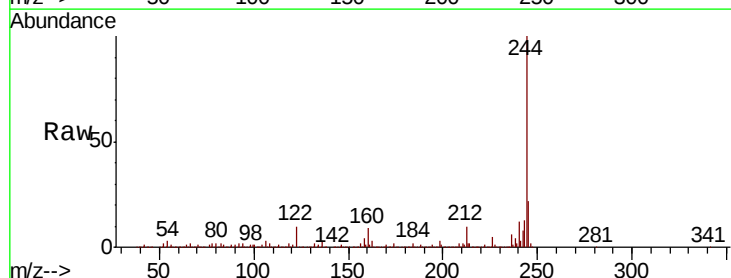
Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW13-GW

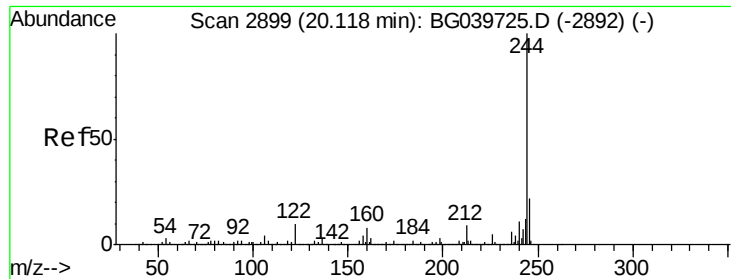
Tot Ion:240 Resp: 301161
Ion Ratio Lower Upper
240 100
120 7.8 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.381 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039932.D
Acq: 14 Mar 2019 19:41

Tgt Ion:184 Resp: 22752
Ion Ratio Lower Upper
184 100
185 15.3 12.2 18.2
183 7.9 10.6 15.8#





#79

Terphenyl-d14

Concen: 88.365 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039932.D

Acq: 14 Mar 2019 19:41

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW13-GW

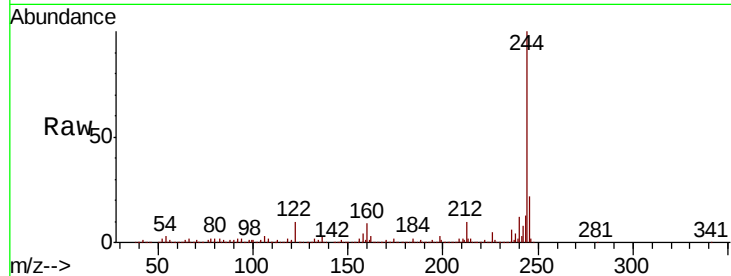
Tot Ion:244 Resp: 1208643

Ion Ratio Lower Upper

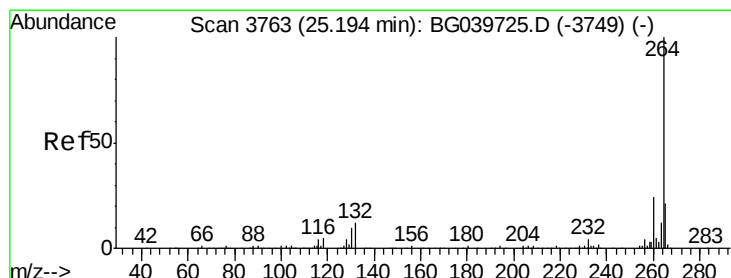
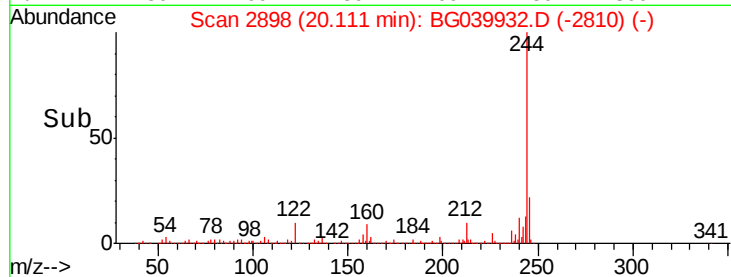
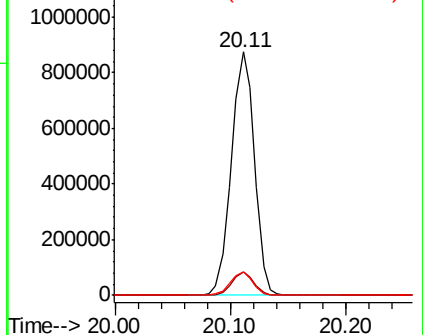
244 100

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: BG039932.D

Acq: 14 Mar 2019 19:41

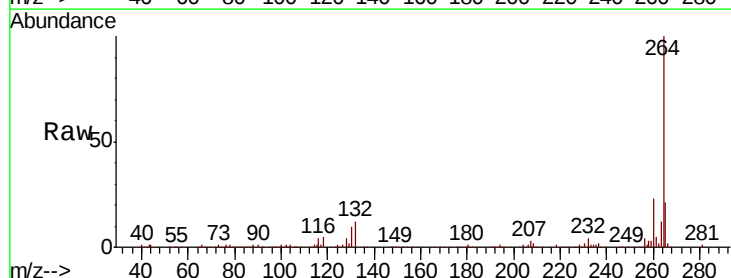
Tgt Ion:264 Resp: 305129

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 20.9 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

