

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031419\
 Data File : BG039930.D
 Acq On : 14 Mar 2019 18:21
 Operator : JU/SJ
 Sample : K1894-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW06-GW

Quant Time: Mar 15 08:30:09 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

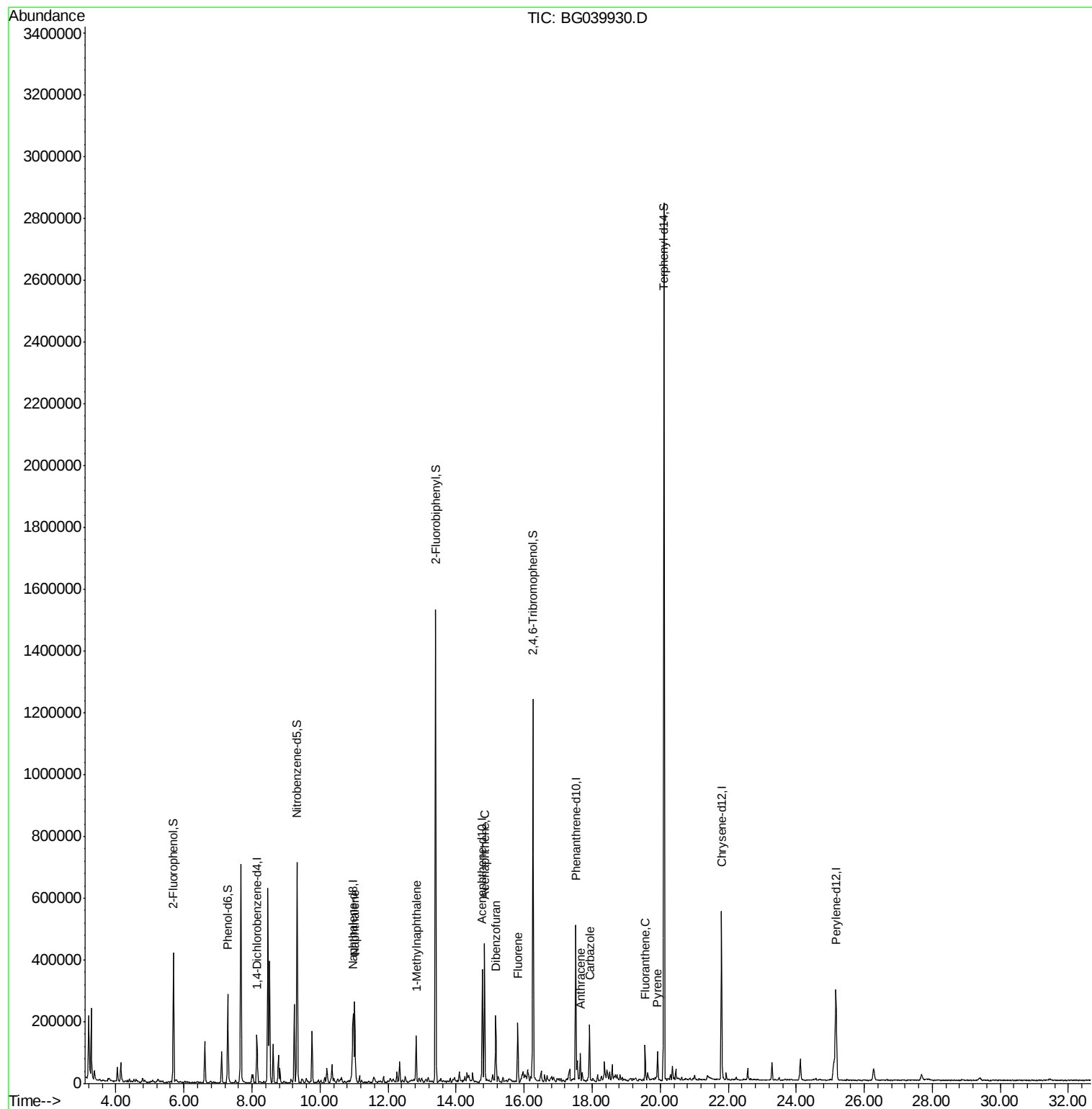
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	42707	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	179367	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	124253	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	310055	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	328042	20.00	ng	-0.02
87) Perylene-d12	25.16	264	337225	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	171940	68.68	ng	-0.02
7) Phenol-d6	7.29	99	161981	43.40	ng	-0.02
23) Nitrobenzene-d5	9.33	82	320784	96.73	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	209921	144.95	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	786617	90.14	ng	-0.02
79) Terphenyl-d14	20.11	244	1295273	86.94	ng	-0.01
Target Compounds						
31) Naphthalene	11.02	128	212391	22.365	ng	99
38) 1-Methylnaphthalene	12.83	142	62682	9.085	ng	# 93
52) Acenaphthene	14.84	154	167400	22.037	ng	99
55) Dibenzofuran	15.17	168	143723	11.532	ng	99
58) Fluorene	15.82	166	87378	8.918	ng	96
72) Anthracene	17.65	178	57293	3.443	ng	99
73) Carbazole	17.92	167	110233	7.347	ng	95
75) Fluoranthene	19.56	202	72404	3.587	ng	97
78) Pyrene	19.92	202	55035	2.582	ng	98

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

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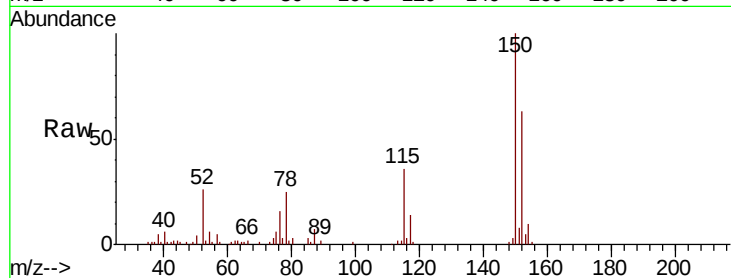


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	123.7	185.5
115	57.5	45.9	68.9

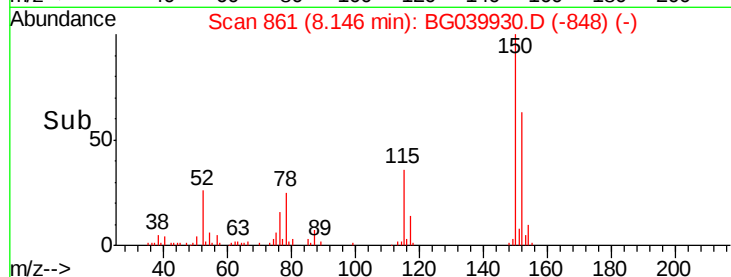
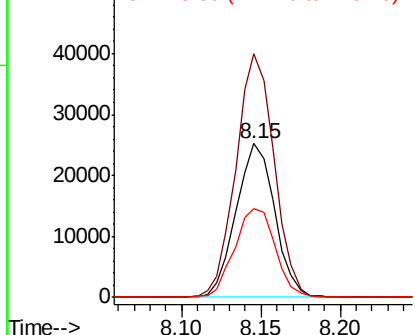


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

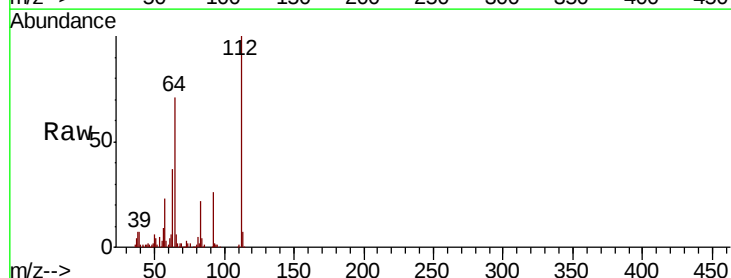
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.685 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	57.8	86.8
63	37.1	29.8	44.6

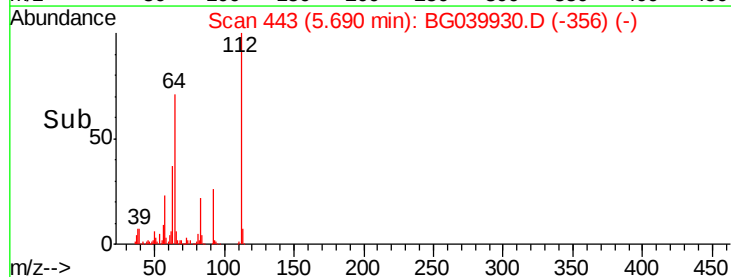
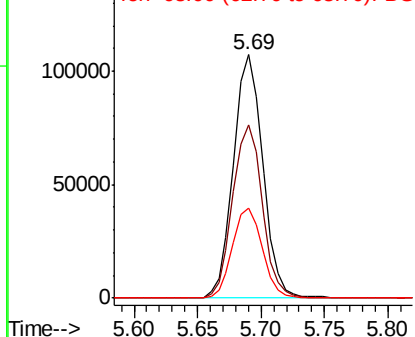


Abundance

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: 43.396 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW06-GW

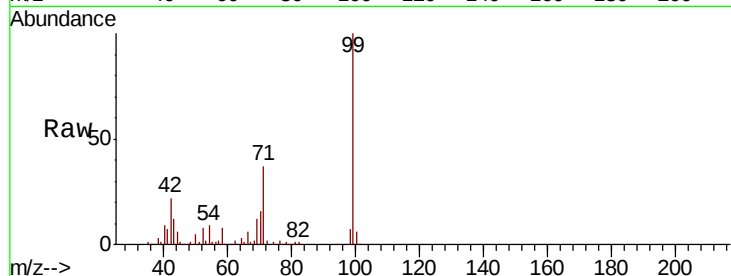
Tot Ion: 99 Resp: 161981

Ion Ratio Lower Upper

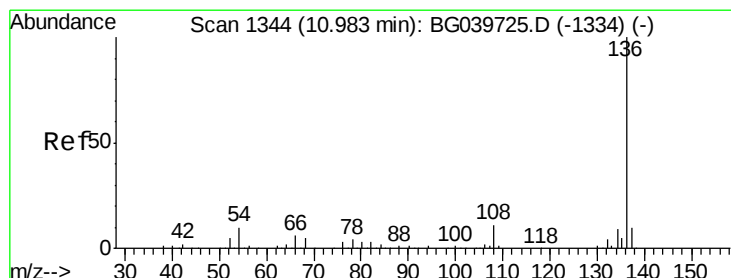
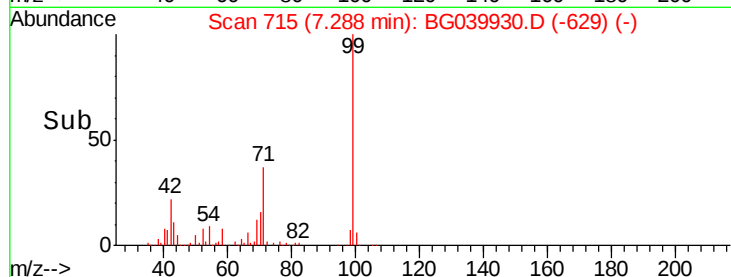
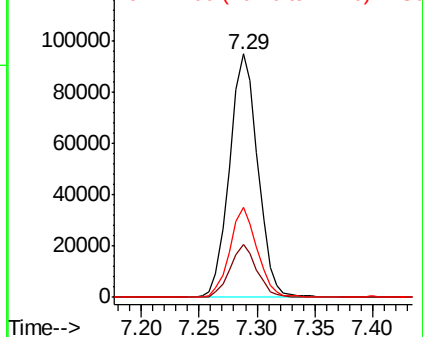
99 100

42 21.6 18.2 27.2

71 36.8 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Tgt Ion: 136 Resp: 179367

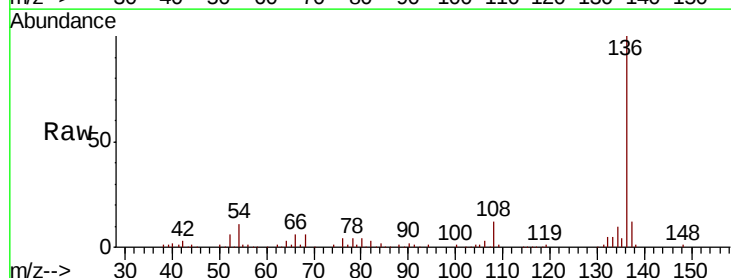
Ion Ratio Lower Upper

136 100

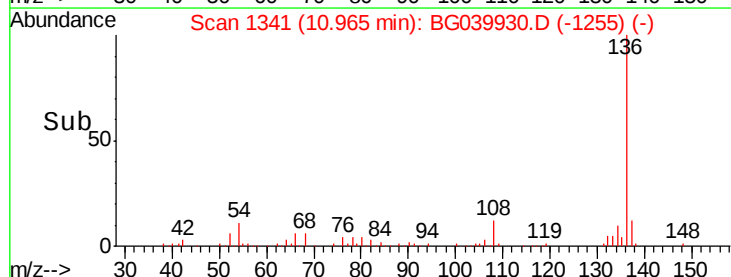
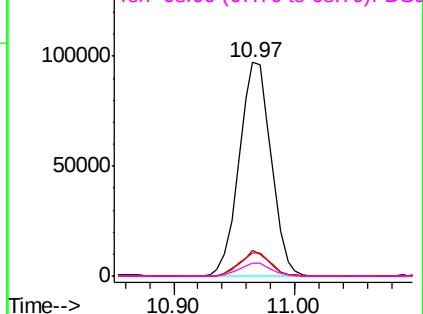
137 11.7 9.1 13.7

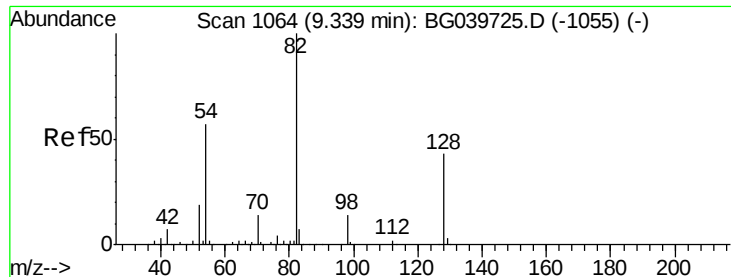
54 10.5 9.4 14.2

68 6.0 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

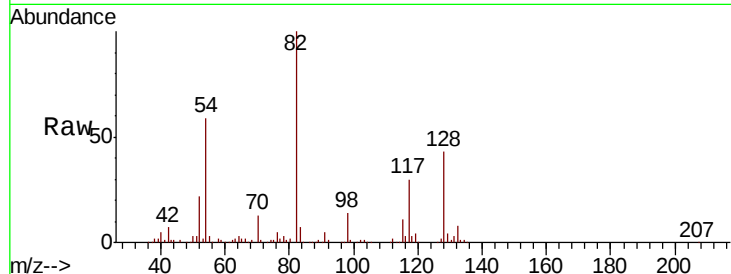




#23
Nitrobenzene-d5
Concen: 96.725 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW06-GW

Tot Ion	82	Resp	320784
Ion Ratio	Lower	Upper	
82	100		
128	43.4	31.3	46.9
54	59.4	50.9	76.3

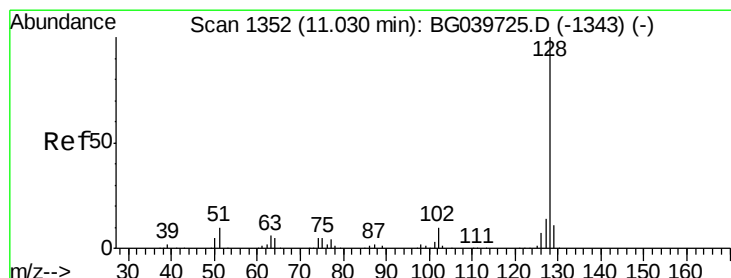
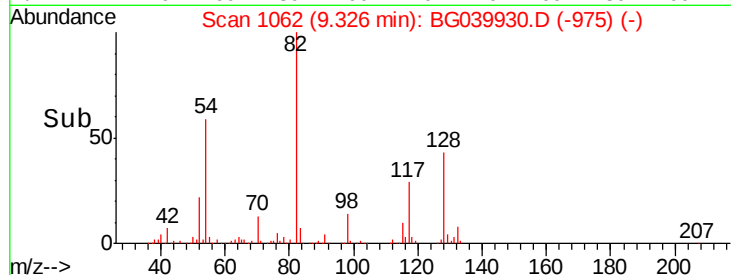
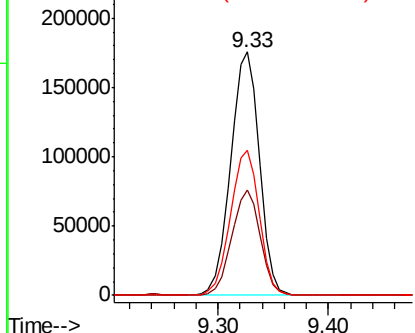


Abundance

Ion 82.00 (81.70 to 82.70): BGC

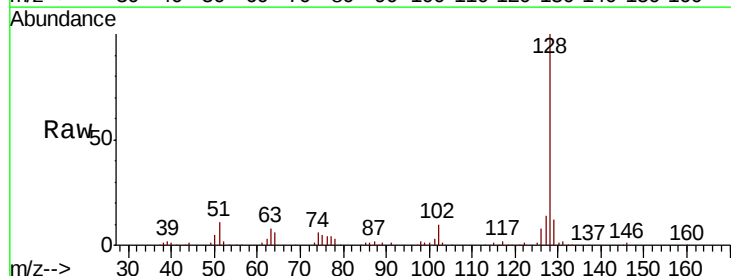
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#31
Naphthalene
Concen: 22.365 ng
RT: 11.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Tgt Ion	128	Resp	212391
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.7	13.1
127	13.8	10.8	16.2

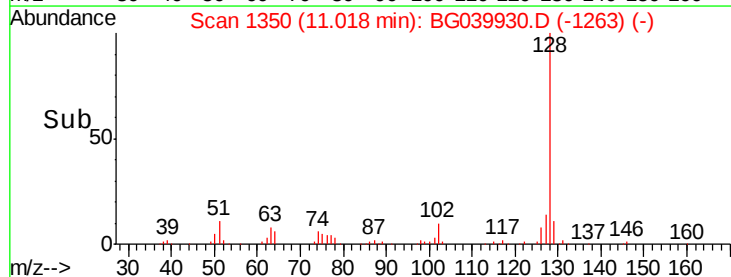
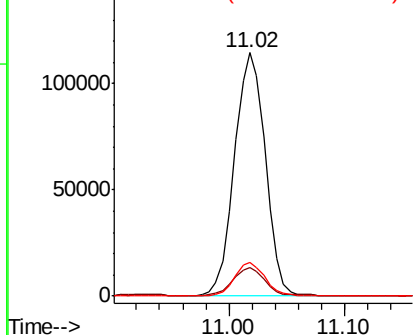


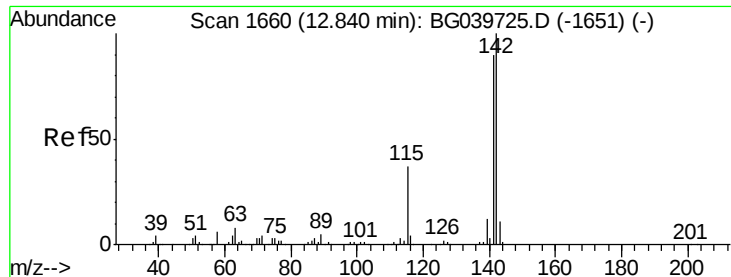
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

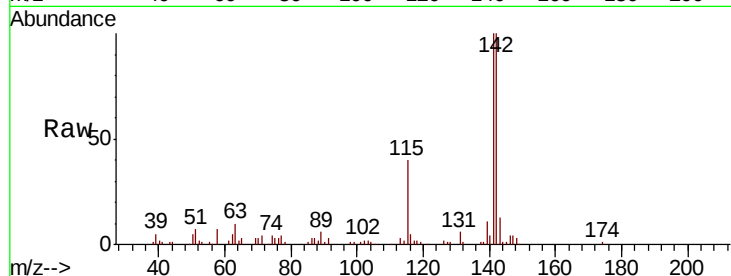




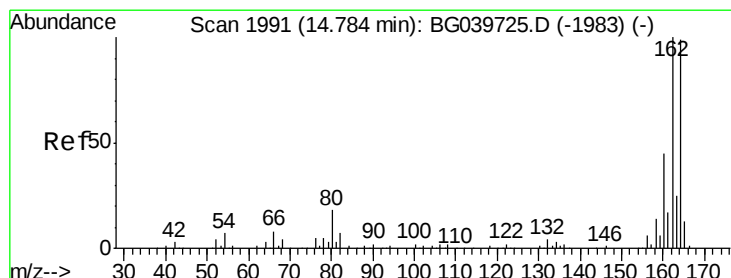
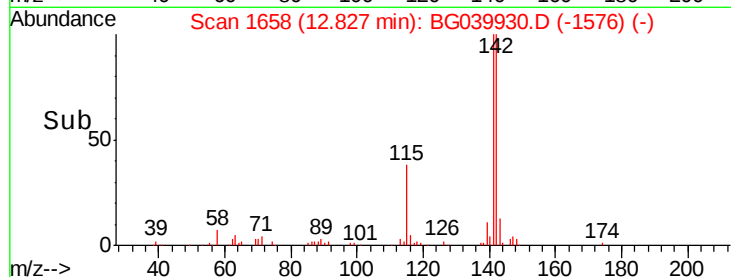
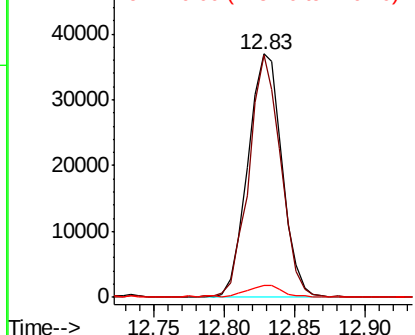
#38
1-Methylnaphthalene
Concen: 9.085 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.02 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW06-GW

Tot Ion:142 Resp: 62682
Ion Ratio Lower Upper
142 100
141 99.5 74.2 111.4
116 5.1 3.0 4.6#

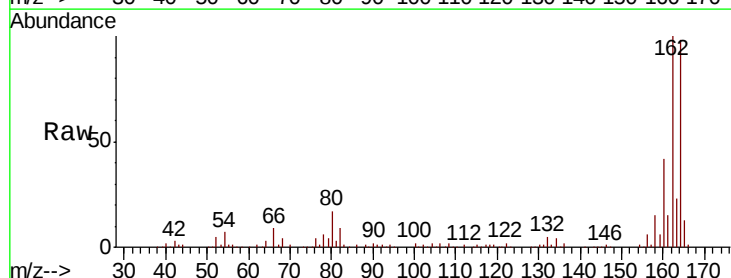


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

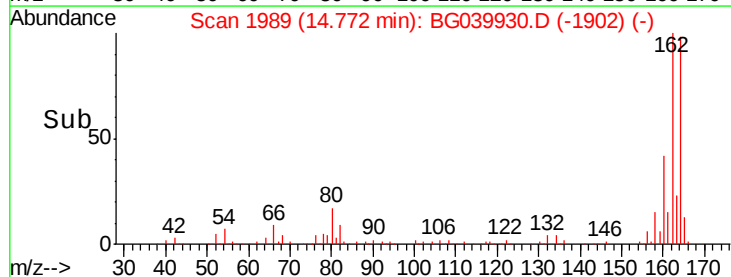
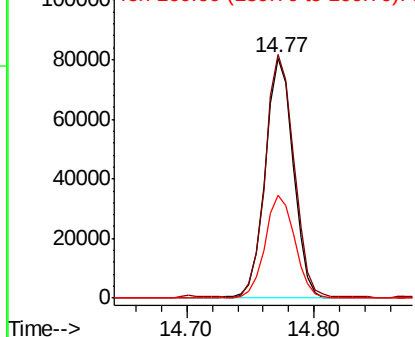


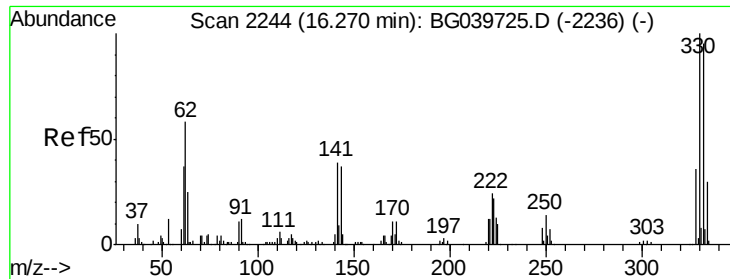
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Tgt Ion:164 Resp: 124253
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 43.1 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

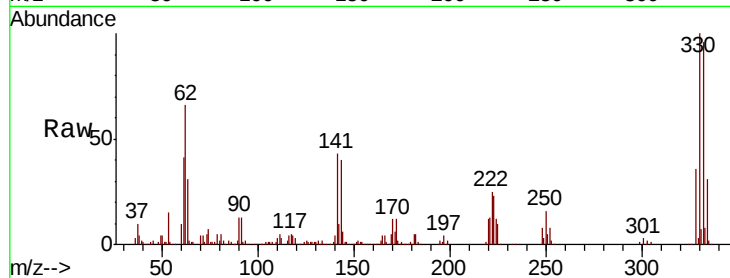




#42
 2,4,6-Tribromophenol
 Concen: 144.947 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039930.D
 Acq: 14 Mar 2019 18:21

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.7	113.5
141	42.5	35.6	53.4

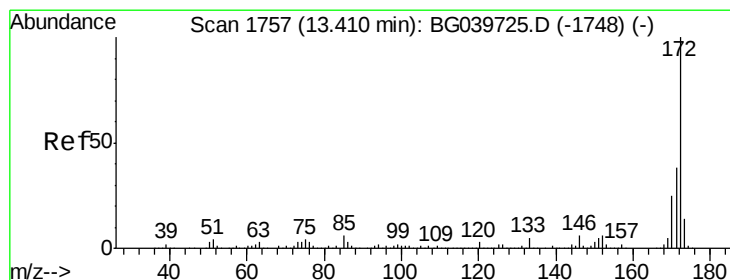
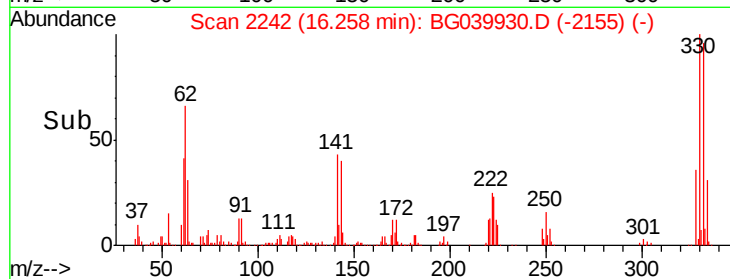
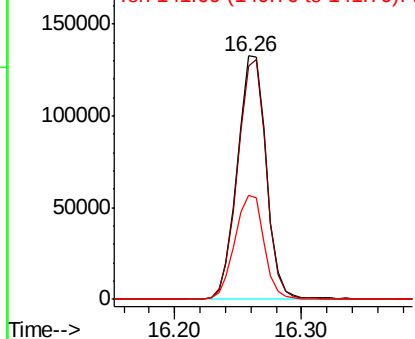


Abundance

Ion 329.80 (329.50 to 330.50): E

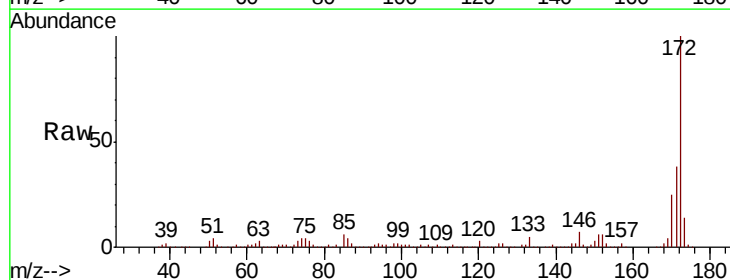
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 90.139 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039930.D
 Acq: 14 Mar 2019 18:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.8	46.2
170	25.1	20.2	30.4

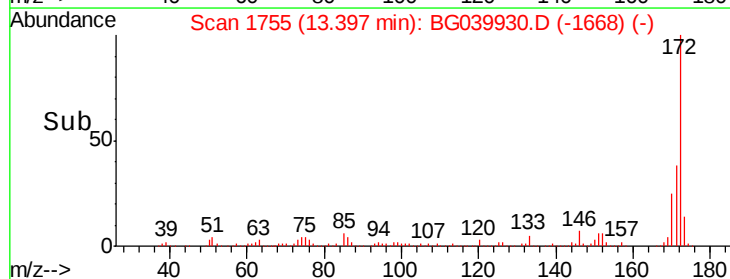
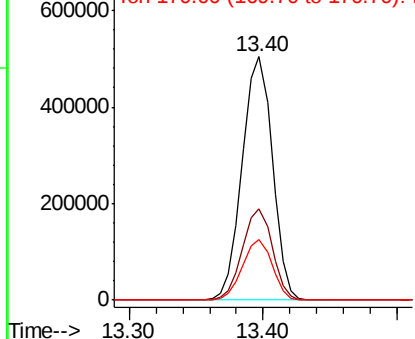


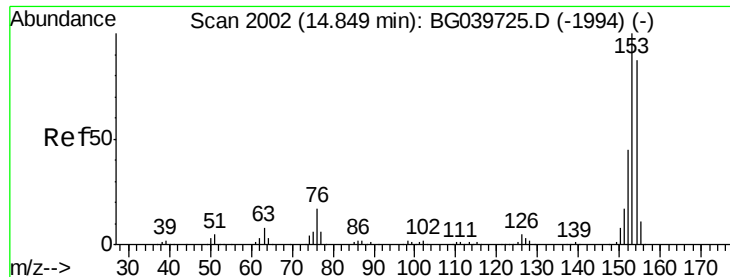
Abundance

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





#52

Acenaphthene

Concen: 22.037 ng

RT: 14.84 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW06-GW

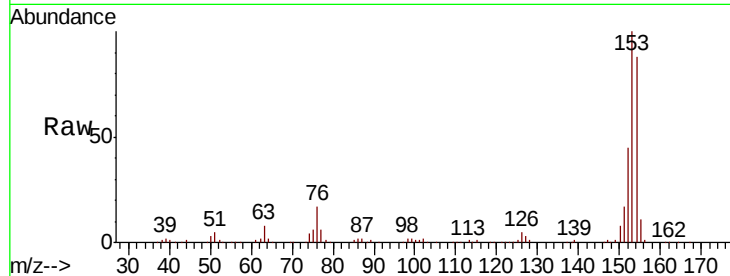
Tot Ion:154 Resp: 167400

Ion Ratio Lower Upper

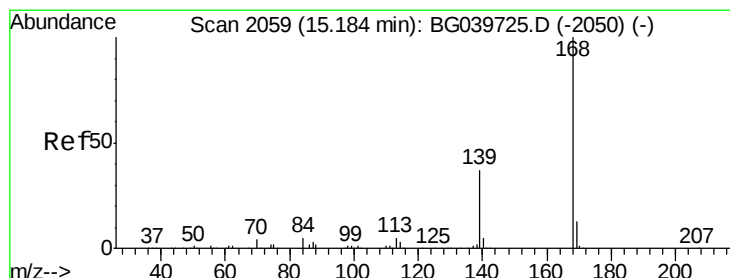
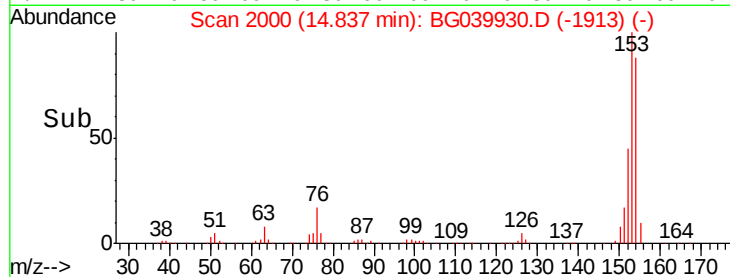
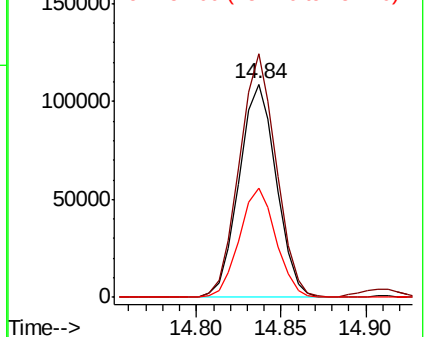
154 100

153 114.2 90.1 135.1

152 51.3 40.9 61.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 11.532 ng

RT: 15.17 min Scan# 2056

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

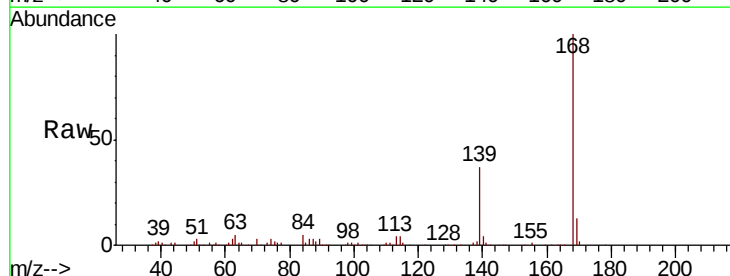
Tgt Ion:168 Resp: 143723

Ion Ratio Lower Upper

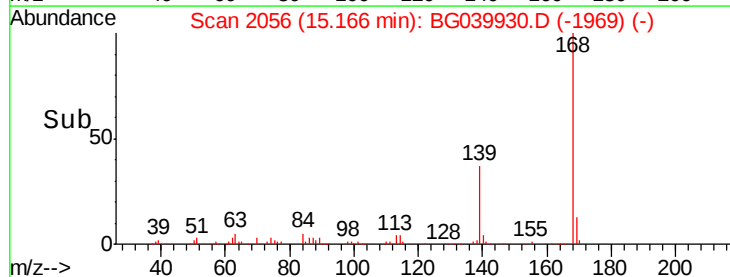
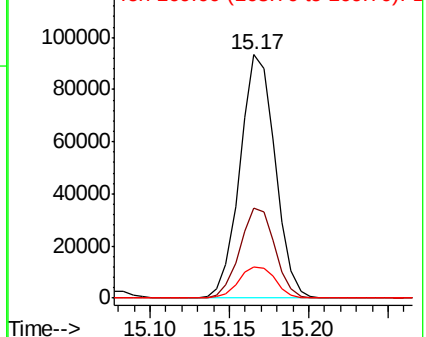
168 100

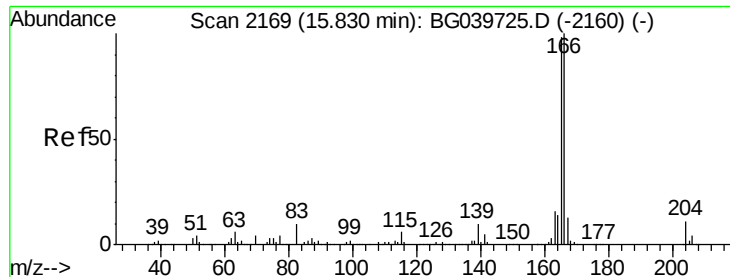
139 37.2 30.1 45.1

169 13.0 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 8.918 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW06-GW

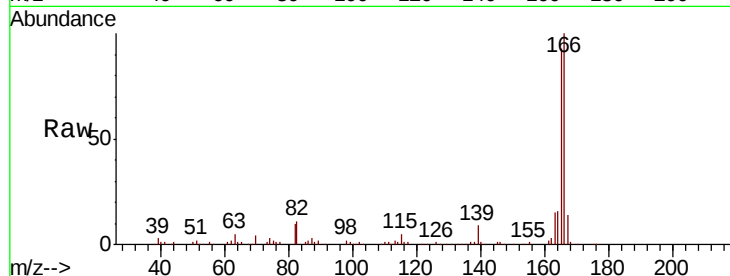
Tot Ion:166 Resp: 87378

Ion Ratio Lower Upper

166 100

165 93.0 77.9 116.9

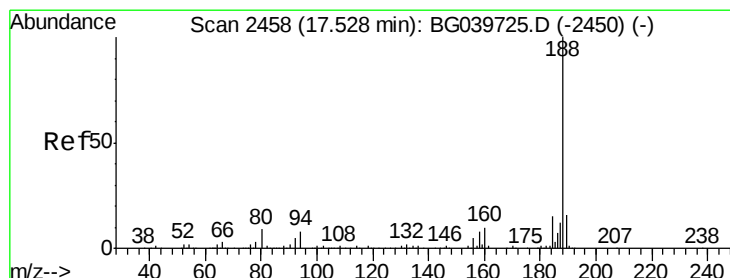
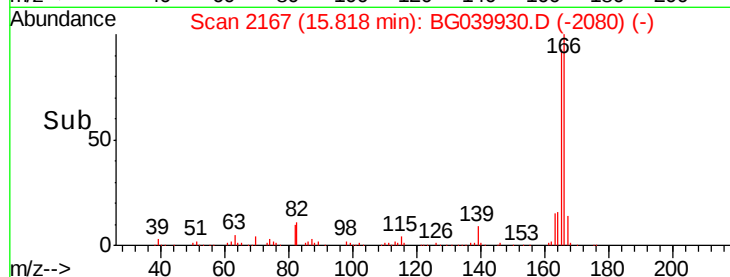
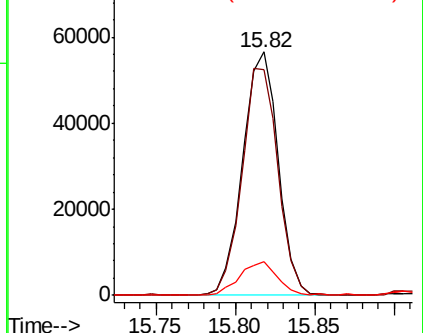
167 13.7 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

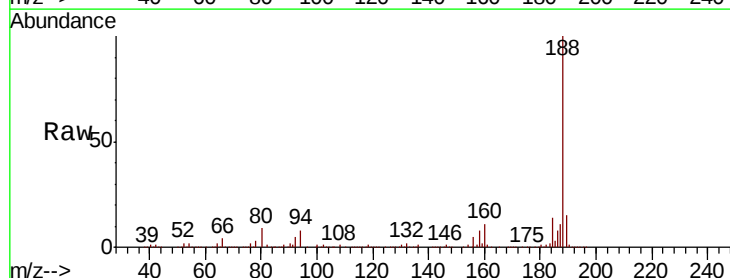
Tgt Ion:188 Resp: 310055

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

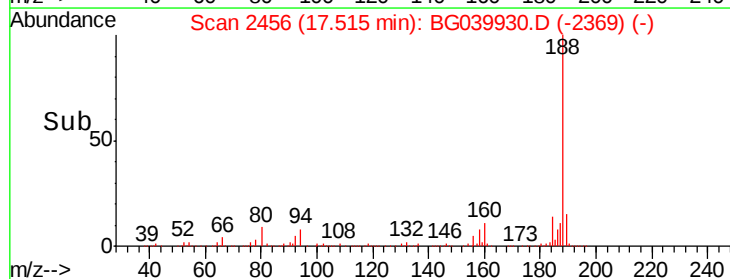
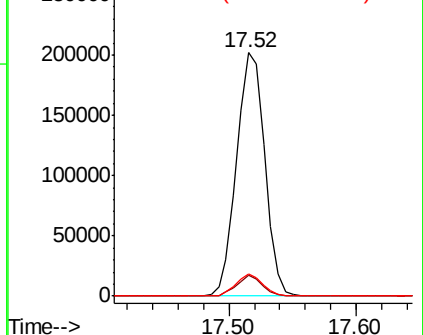
80 9.3 8.1 12.1

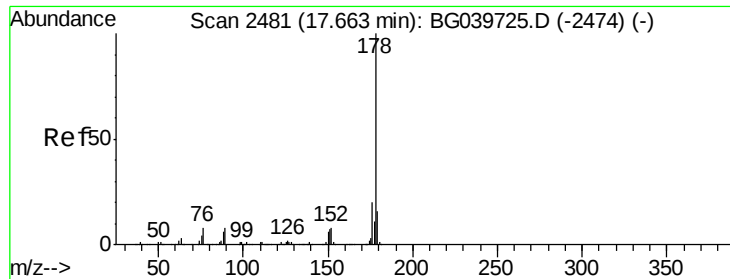


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#72

Anthracene

Concen: 3.443 ng

RT: 17.65 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW06-GW

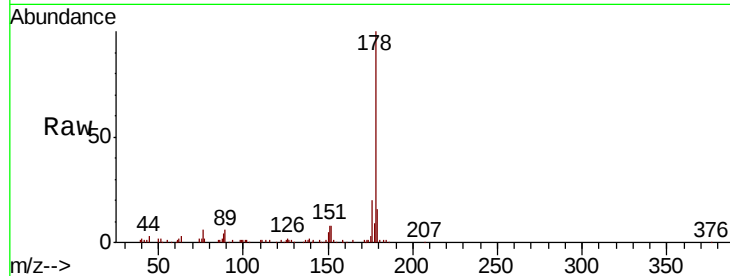
Tot Ion:178 Resp: 57293

Ion Ratio Lower Upper

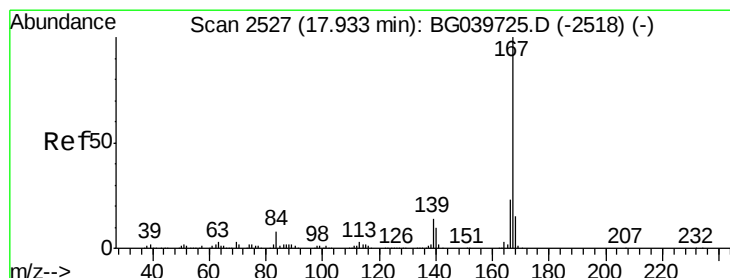
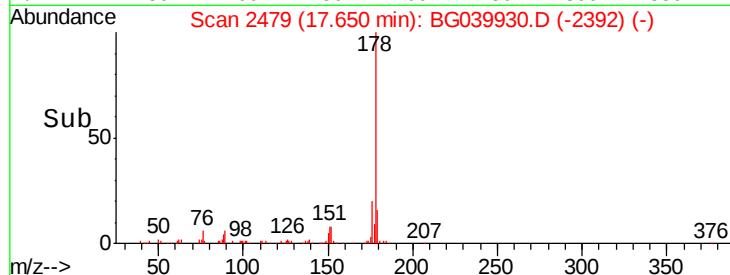
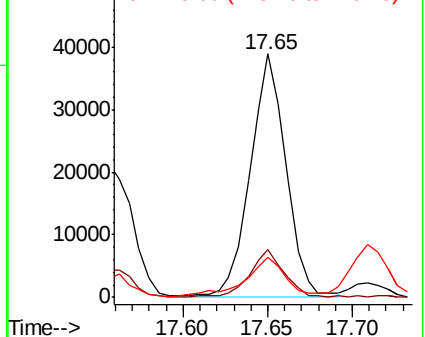
178 100

176 19.7 15.8 23.6

179 16.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 7.347 ng

RT: 17.92 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

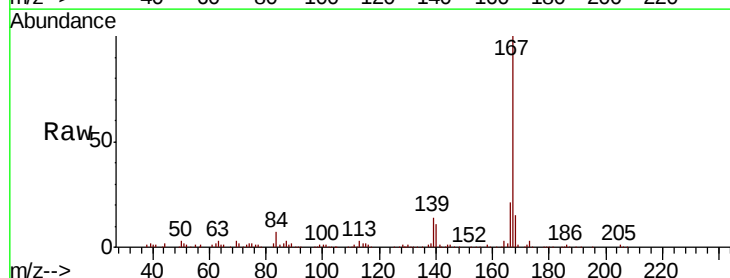
Tgt Ion:167 Resp: 110233

Ion Ratio Lower Upper

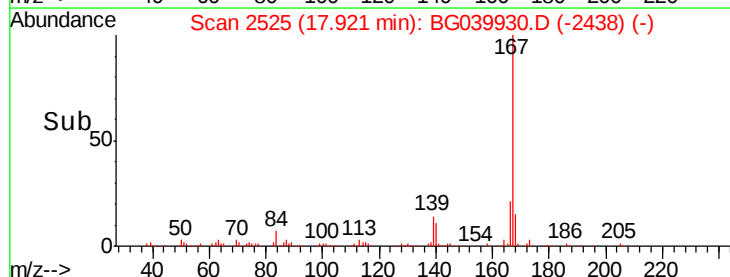
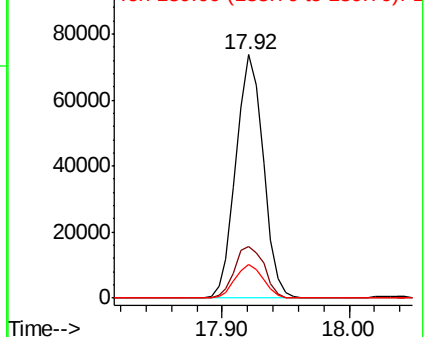
167 100

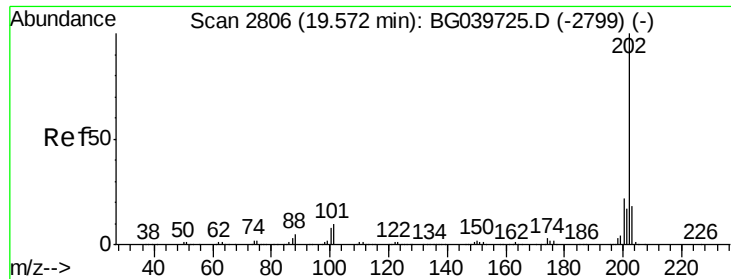
166 21.0 19.4 29.2

139 14.0 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 3.587 ng

RT: 19.56 min Scan# 2804

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Instrument:

BNA_G

ClientSampleId:

RFK-RMAB-MW06-GW

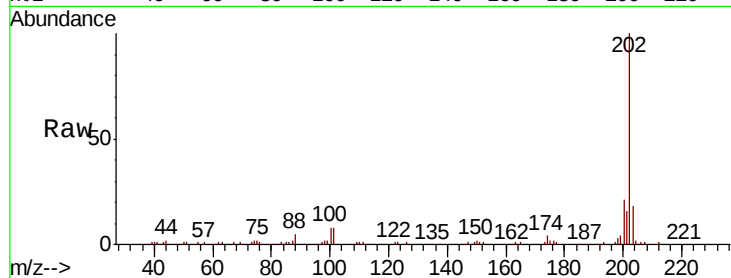
Tot Ion:202 Resp: 72404

Ion Ratio Lower Upper

202 100

101 7.7 0.0 30.0

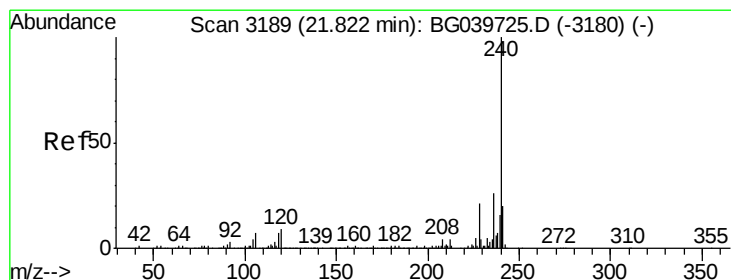
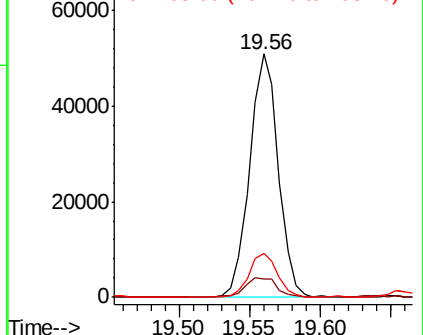
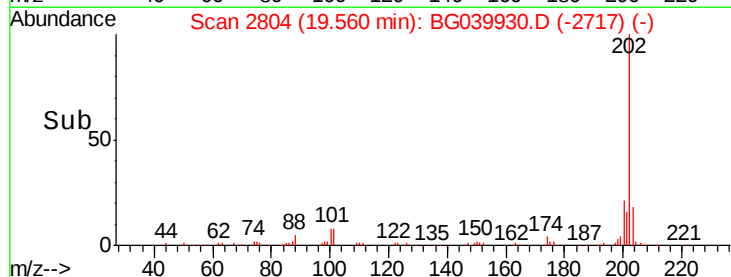
203 18.0 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3186

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

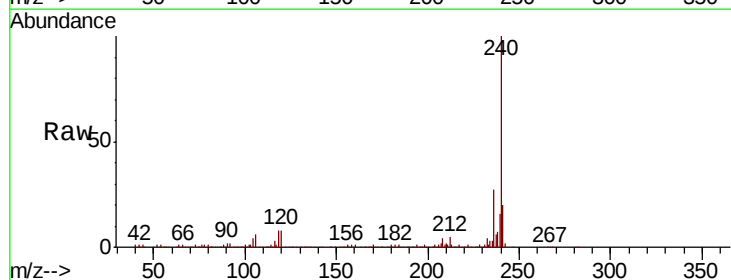
Tgt Ion:240 Resp: 328042

Ion Ratio Lower Upper

240 100

120 7.9 7.0 10.6

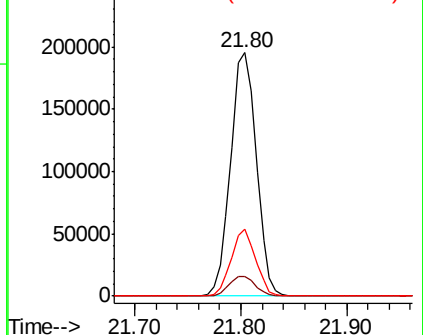
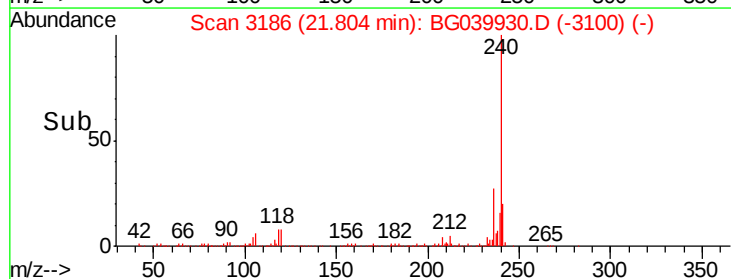
236 27.3 21.0 31.4

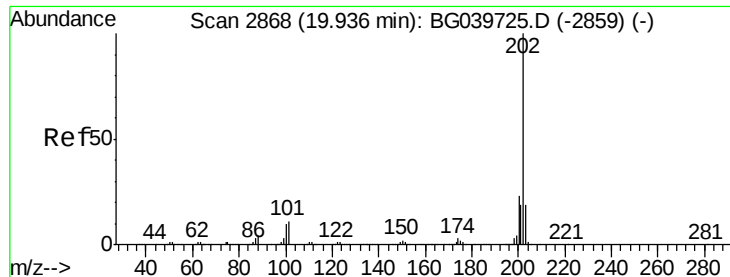


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.582 ng

RT: 19.92 min Scan# 2866

Delta R.T. -0.02 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

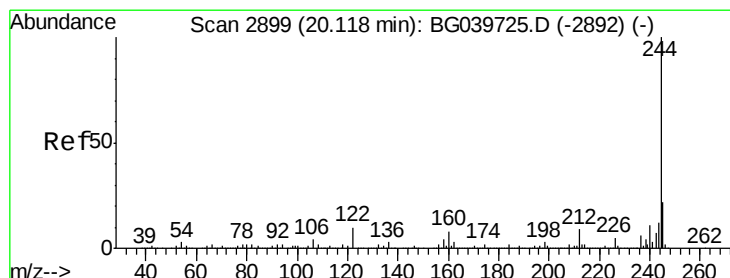
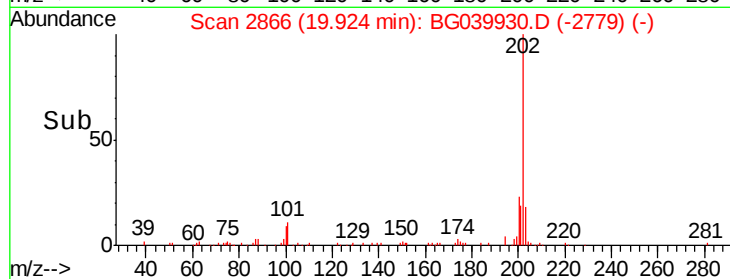
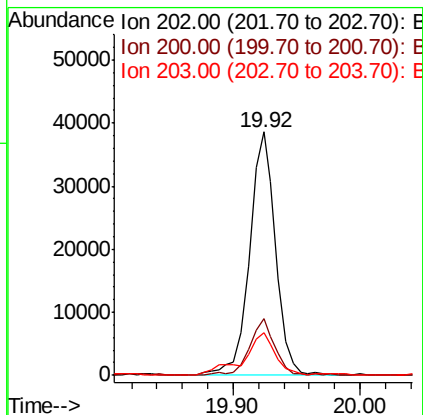
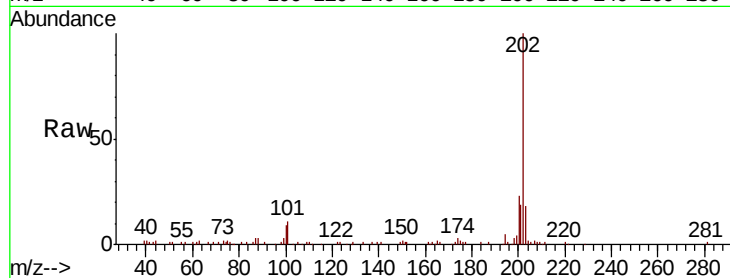
Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW06-GW

Tot Ion:	202	Resp:	55035
Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.8	26.8
203	17.7	15.3	22.9



#79

Terphenyl-d14

Concen: 86.938 ng

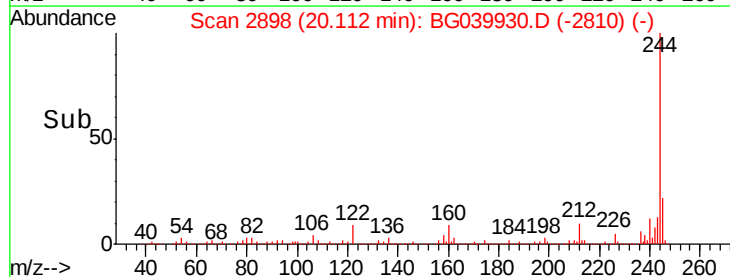
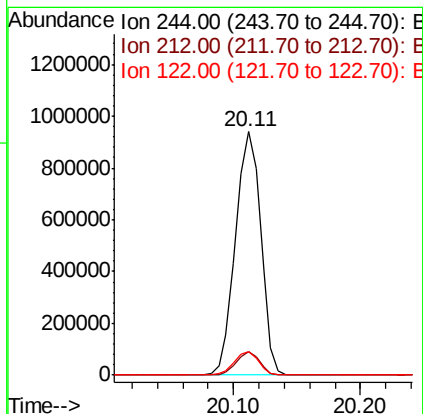
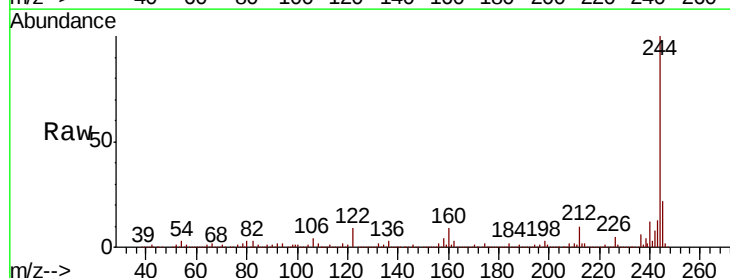
RT: 20.11 min Scan# 2898

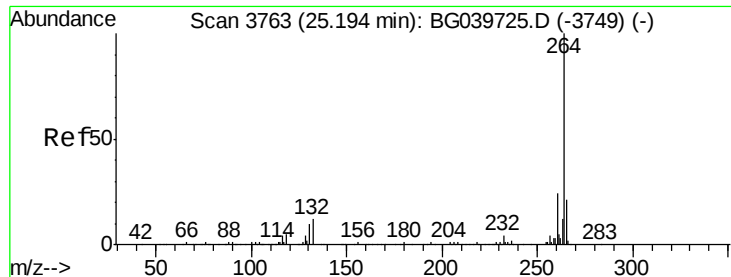
Delta R.T. -0.01 min

Lab File: BG039930.D

Acq: 14 Mar 2019 18:21

Tgt Ion:	244	Resp:	1295273
Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.3	10.9
122	9.5	8.4	12.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3758
Delta R.T. -0.04 min
Lab File: BG039930.D
Acq: 14 Mar 2019 18:21

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW06-GW

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	23.1	18.5	27.7

