

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031419\
 Data File : BG039933.D
 Acq On : 14 Mar 2019 20:20
 Operator : JU/SJ
 Sample : K1894-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW12-GW

Quant Time: Mar 15 08:10:41 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	40355	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	164172	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	115392	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	278830	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	298300	20.00	ng	-0.02
87) Perylene-d12	25.16	264	300384	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.69	112	161861	68.43	ng	-0.02
7) Phenol-d6	7.29	99	150967	42.80	ng	-0.02
23) Nitrobenzene-d5	9.33	82	309688	102.02	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	205487	152.78	ng	-0.02
45) 2-Fluorobiphenyl	13.40	172	746731	92.14	ng	-0.02
79) Terphenyl-d14	20.11	244	1241786	91.66	ng	-0.01

Target Compounds

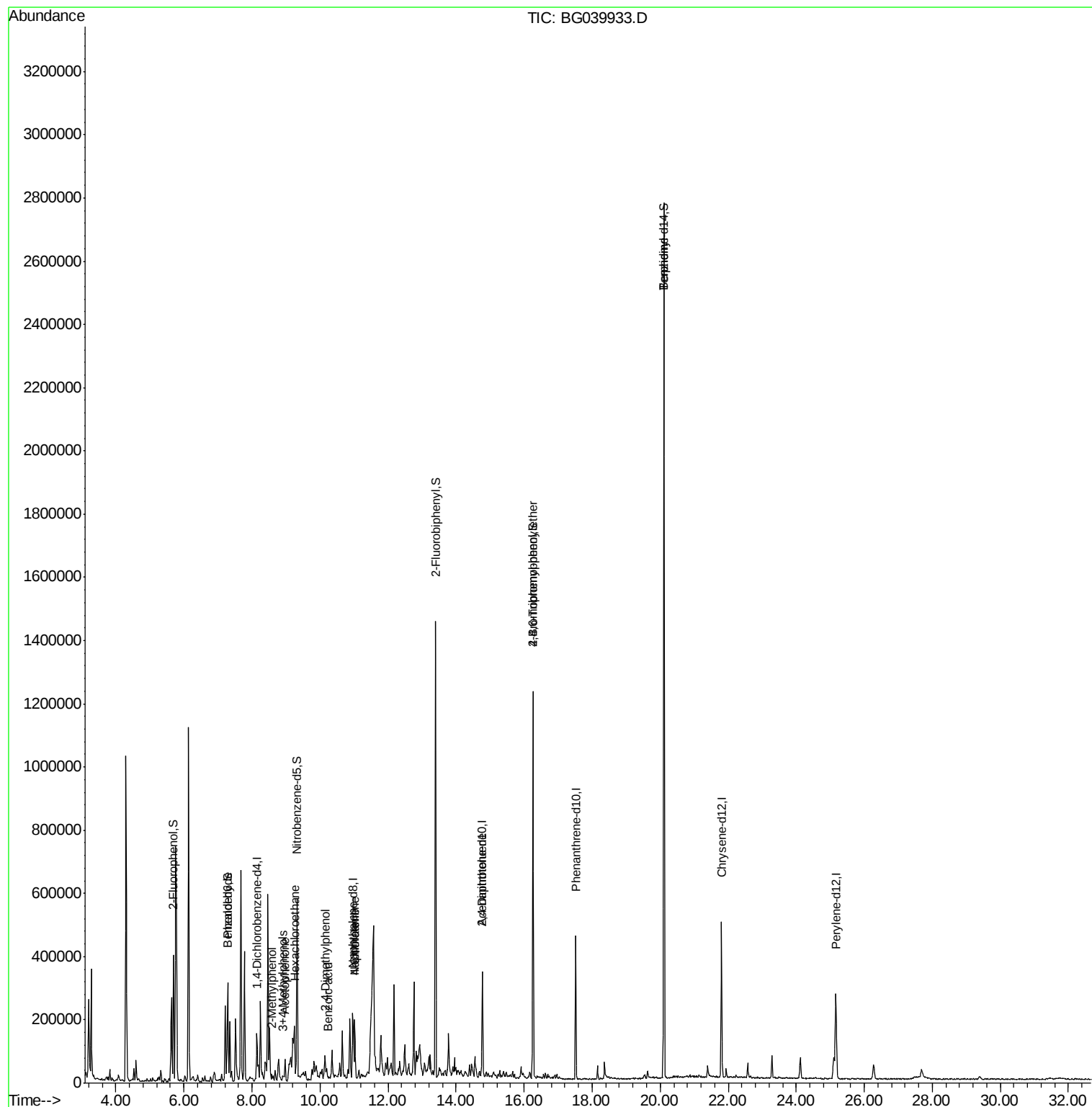
						Qvalue
9) Benzaldehyde	7.28	77	8054	3.540	ng	# 1
17) 2-Methylphenol	8.57	107	6808	2.794	ng	# 89
18) Hexachloroethane	9.24	117	6463	5.448	ng	# 1
20) 3+4-Methylphenols	8.90	107	7618	2.251	ng	# 82
22) Acetophenone	8.97	105	42214	9.580	ng	# 98
27) 2,4-Dimethylphenol	10.16	122	17749	7.422	ng	# 88
31) Naphthalene	11.02	128	142443	16.387	ng	# 99
32) Benzoic acid	10.24	122	2840	8.090	ng	# 97
33) 4-Chloroaniline	11.02	127	20396	5.534	ng	# 35
57) 2,4-Dinitrotoluene	14.77	165	15540	5.407	ng	# 23
67) 4-Bromophenyl-phenylether	16.26	248	16188	5.187	ng	# 1
77) Benzidine	20.11	184	22181	2.343	ng	# 92

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

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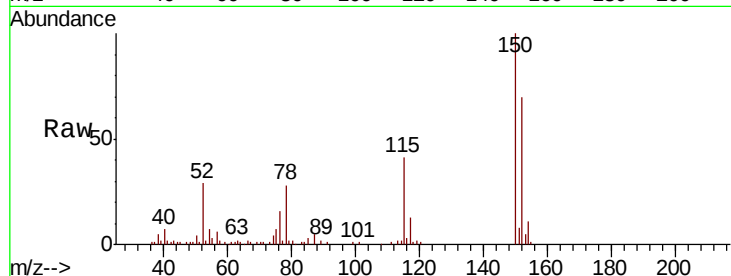


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW12-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	123.7	185.5
115	59.6	45.9	68.9

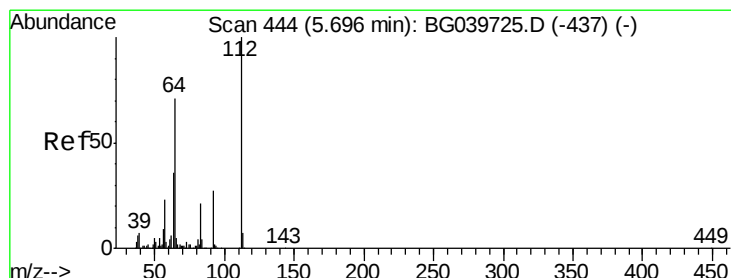
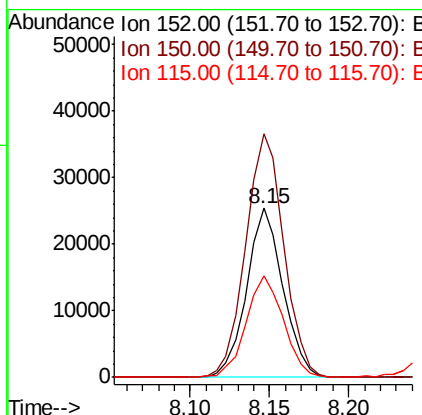
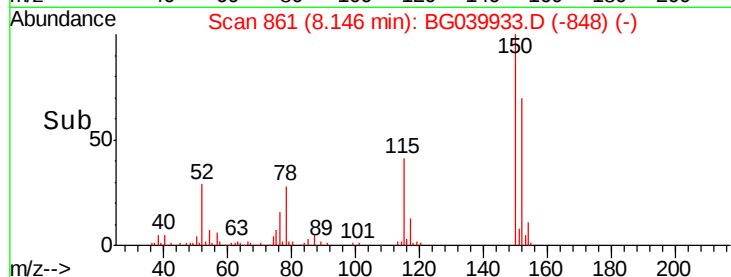


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

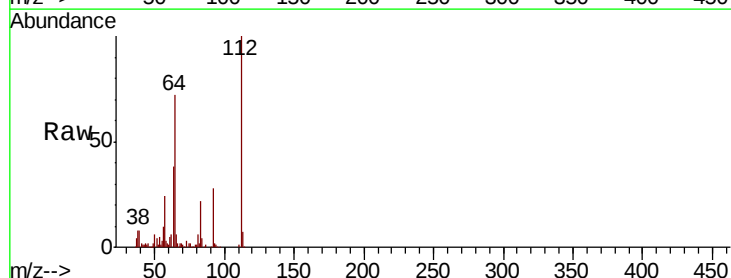
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.427 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.2	57.8	86.8
63	38.4	29.8	44.6

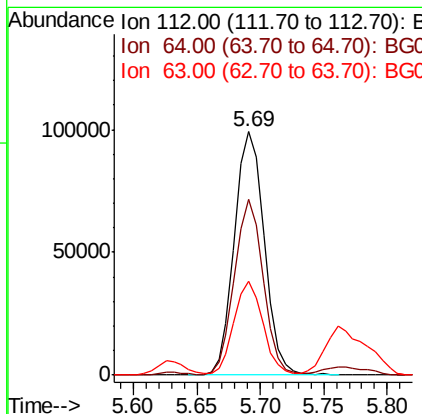
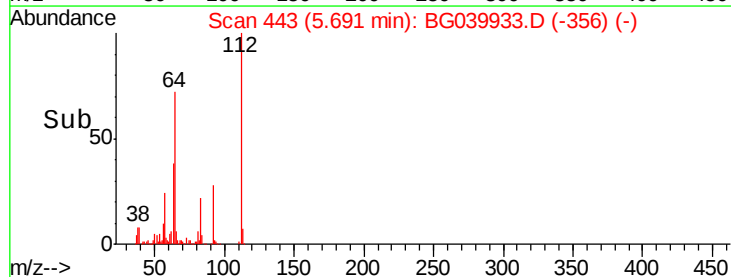


Abundance

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: 42.803 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW12-GW

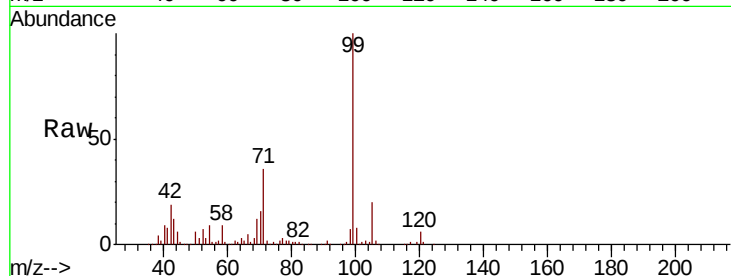
Tot Ion: 99 Resp: 150967

Ion Ratio Lower Upper

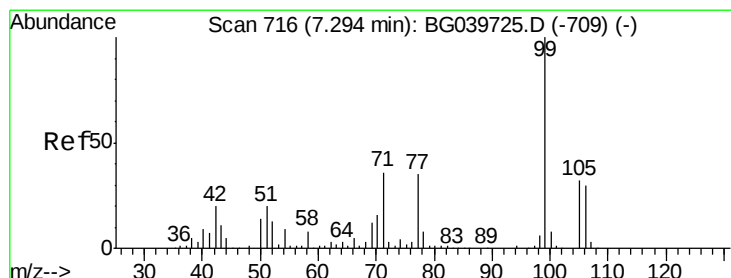
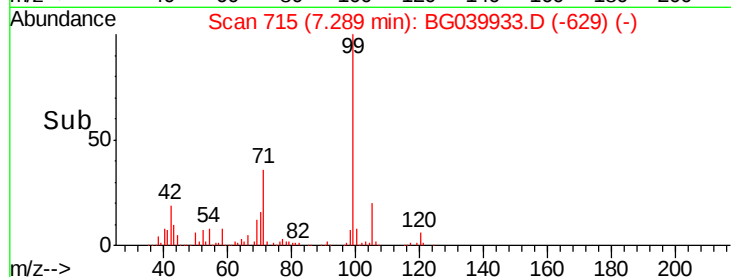
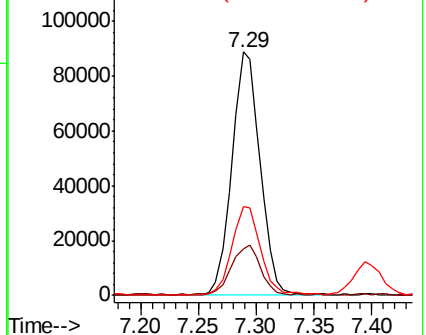
99 100

42 19.3 18.2 27.2

71 36.4 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



#9

Benzaldehyde

Concen: 3.540 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.03 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

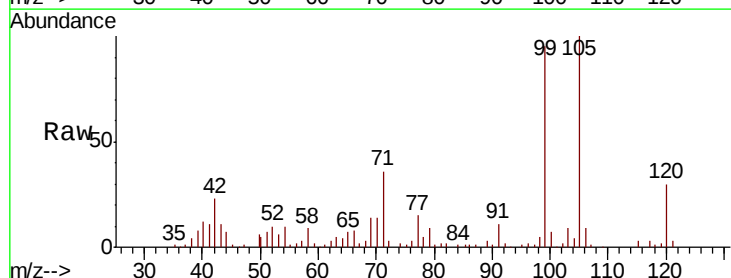
Tgt Ion: 77 Resp: 8054

Ion Ratio Lower Upper

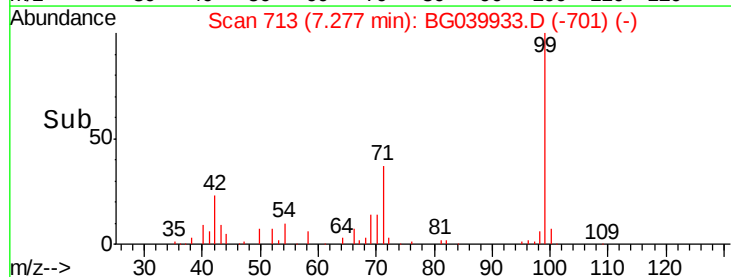
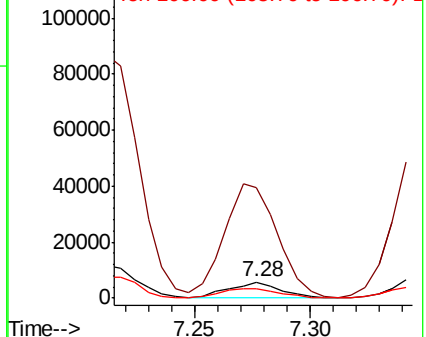
77 100

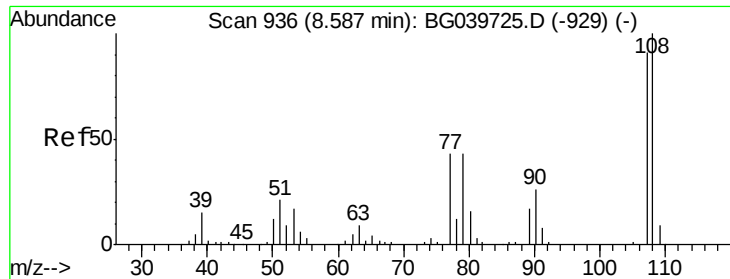
105 684.8 74.5 114.5#

106 61.8 68.0 108.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#17

2-Methylphenol

Concen: 2.794 ng

RT: 8.57 min Scan# 934

Delta R.T. -0.02 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW12-GW

Tot Ion:107 Resp: 6808

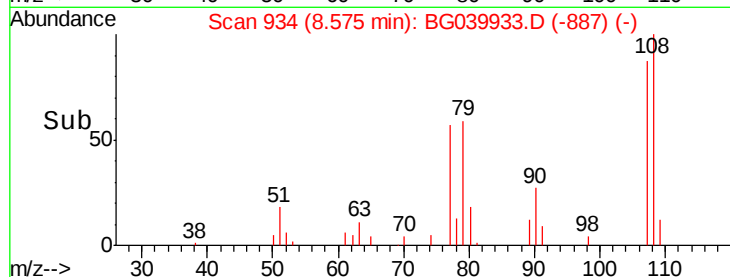
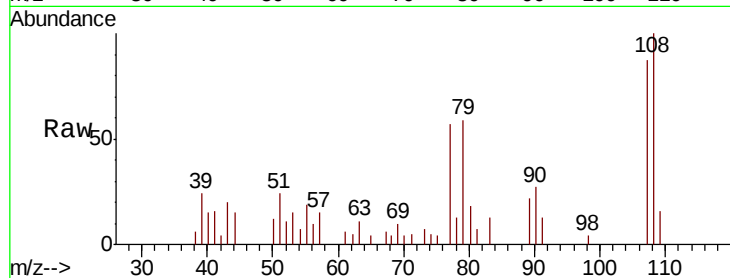
Ion Ratio Lower Upper

107 100

108 115.1 90.8 136.2

77 65.4 40.7 61.1#

79 67.7 40.6 60.8#

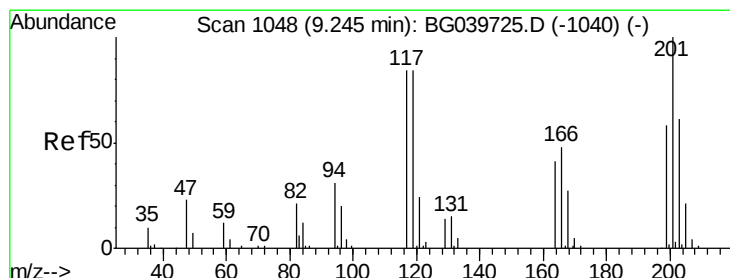
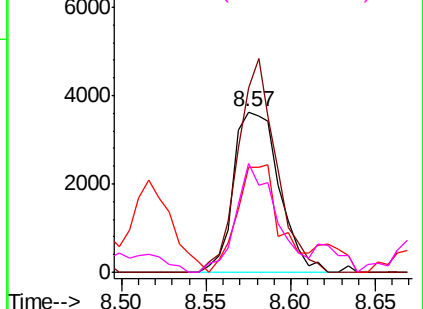


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 5.448 ng

RT: 9.24 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

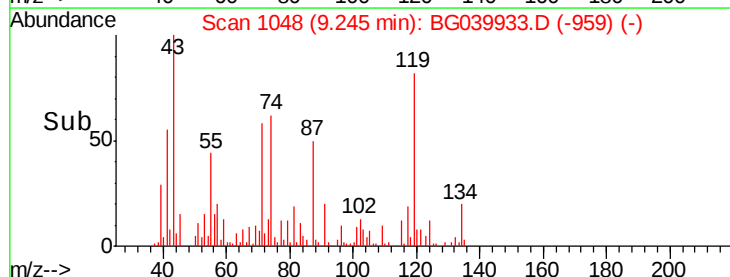
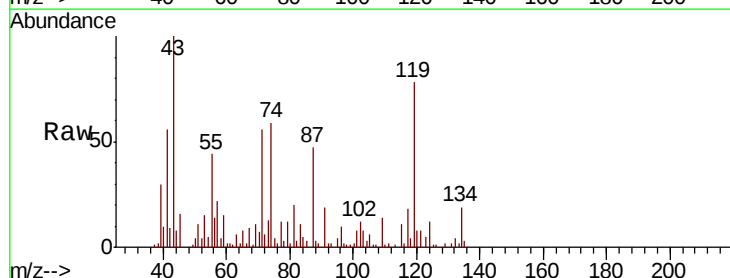
Tgt Ion:117 Resp: 6463

Ion Ratio Lower Upper

117 100

119 438.9 76.3 114.5#

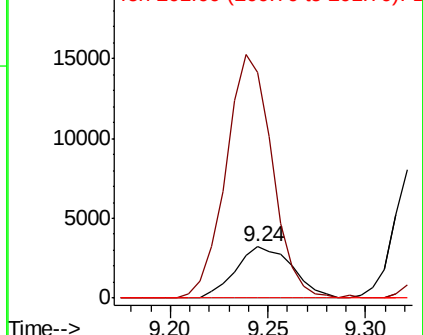
201 0.0 91.1 136.7#

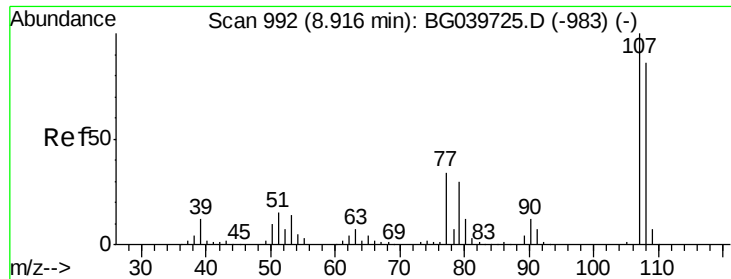


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

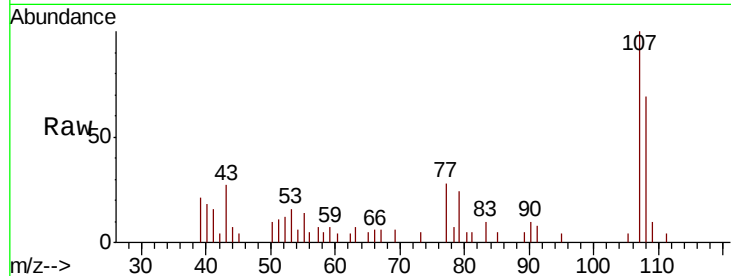




#20
3+4-Methylphenols
Concen: 2.251 ng
RT: 8.90 min Scan# 990
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW12-GW

Tot Ion:	107	Resp:	7618
Ion	Ratio	Lower	Upper
107	100		
108	69.2	67.9	107.9
77	27.6	15.4	55.4
79	24.0	13.7	53.7



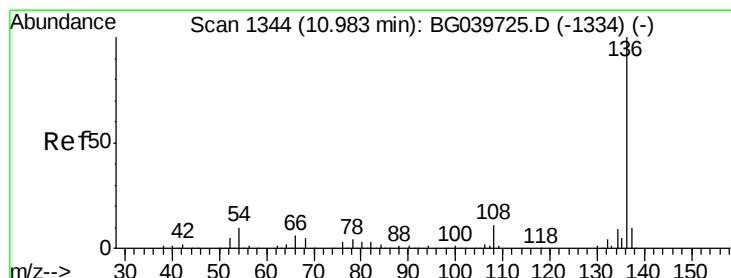
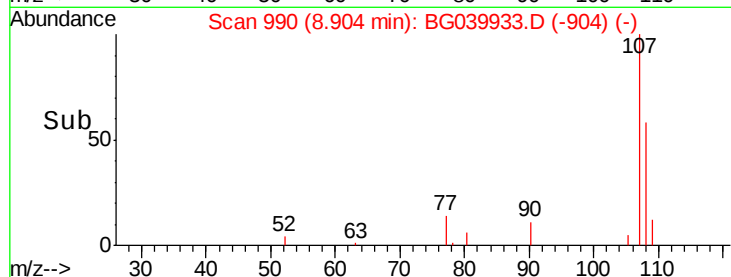
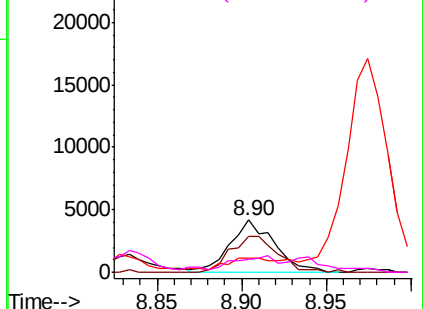
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

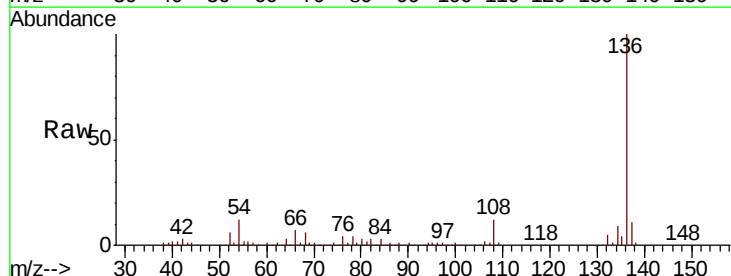
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion:	136	Resp:	164172
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	11.8	9.4	14.2
68	6.3	4.2	6.4



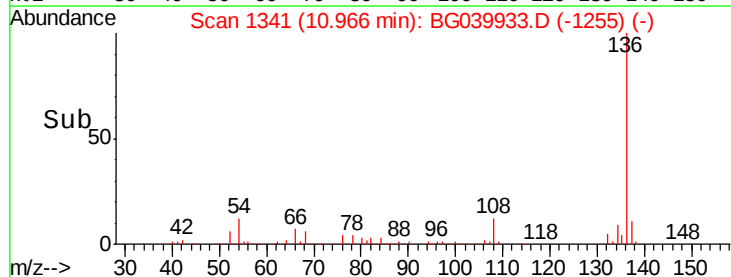
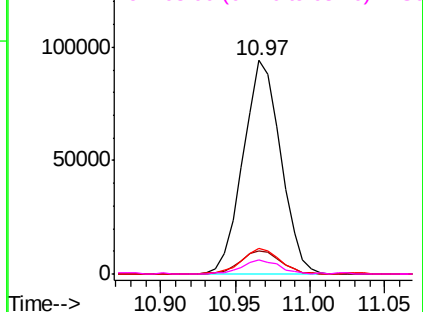
Abundance

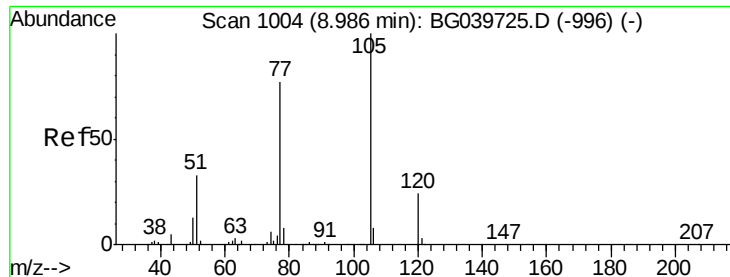
Ion 136.00 (135.70 to 136.70): E

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

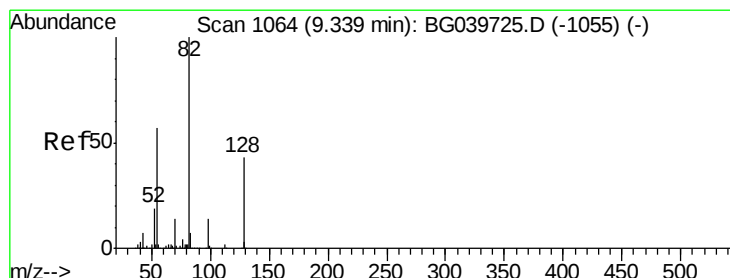
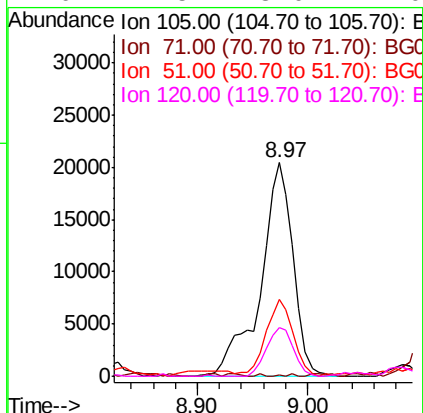
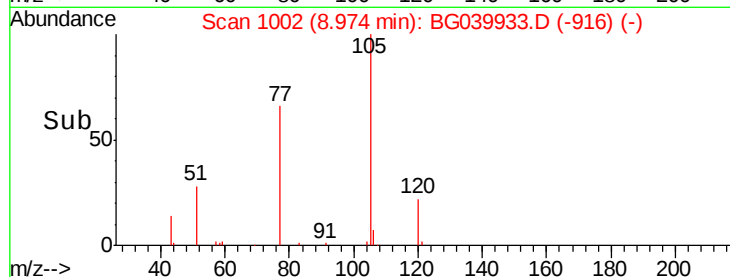
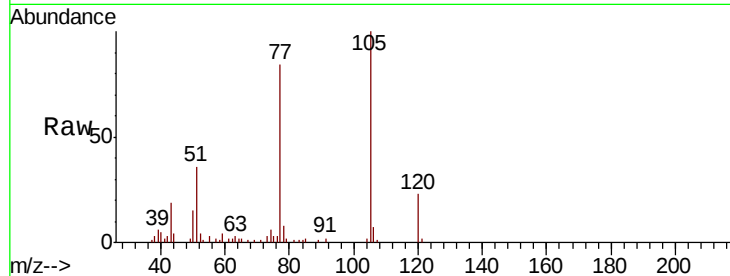




#22
Acetophenone
Concen: 9.580 ng
RT: 8.97 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

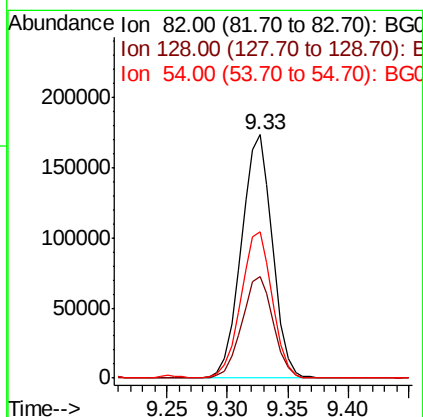
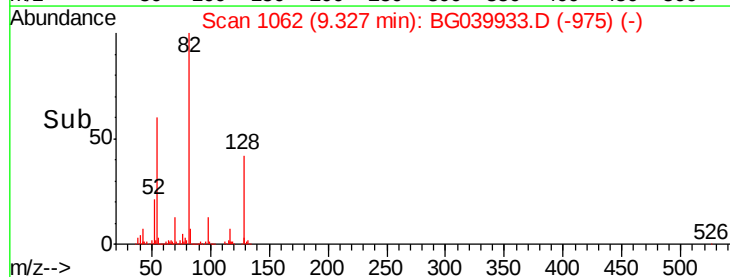
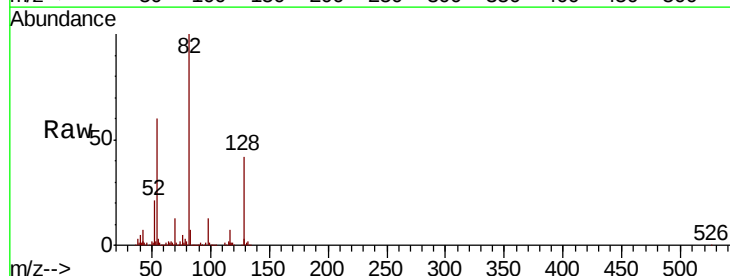
Instrument :
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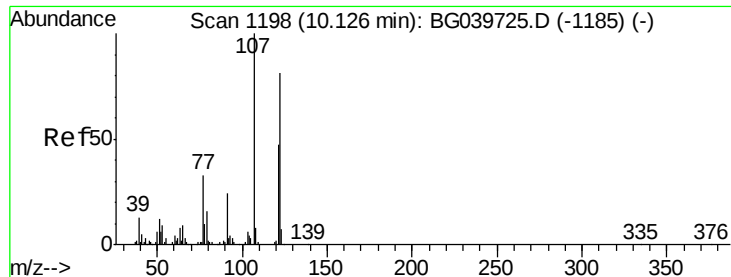
Tot Ion:105 Resp: 42214
Ion Ratio Lower Upper
105 100
71 0.8 0.8 1.2#
51 35.8 30.2 45.2
120 22.5 18.0 27.0



#23
Nitrobenzene-d5
Concen: 102.022 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion: 82 Resp: 309688
Ion Ratio Lower Upper
82 100
128 41.7 31.3 46.9
54 60.0 50.9 76.3

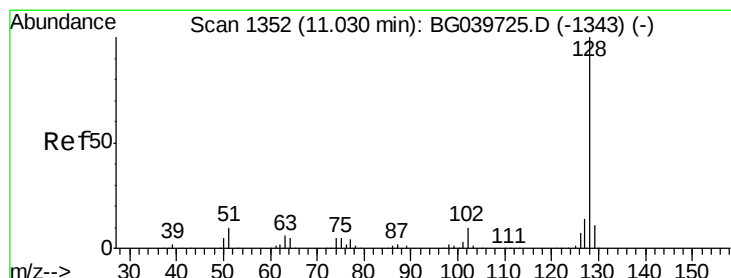
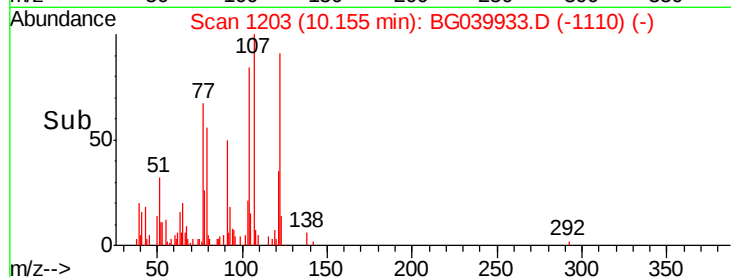
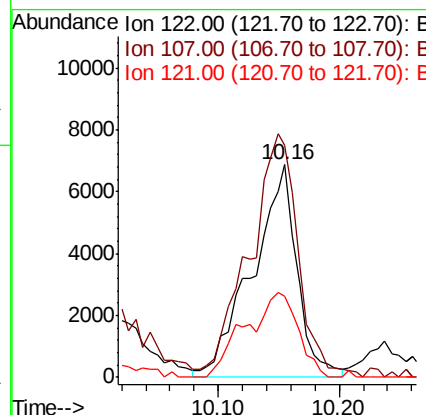
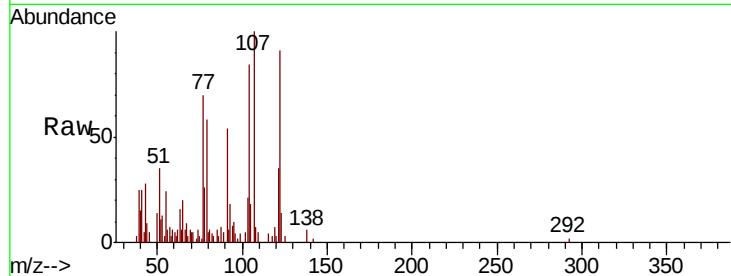




#27
 2,4-Dimethylphenol
 Concen: 7.422 ng
 RT: 10.16 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: BG039933.D
 Acq: 14 Mar 2019 20:20

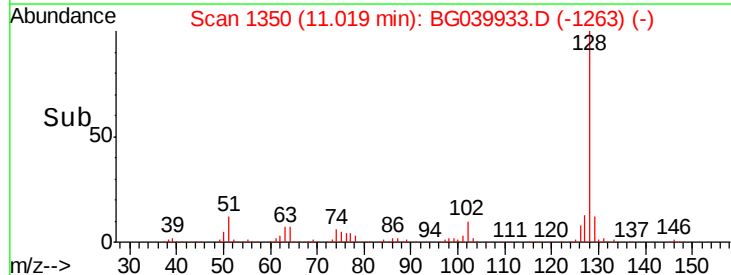
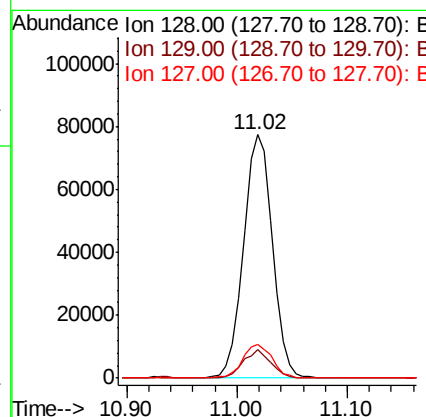
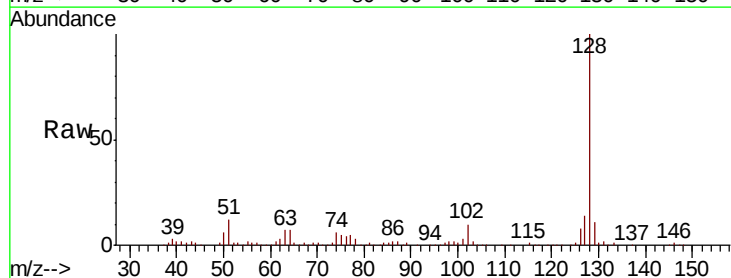
Instrument :
 BNA_G
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 RFK-RMAB-MW12-GW

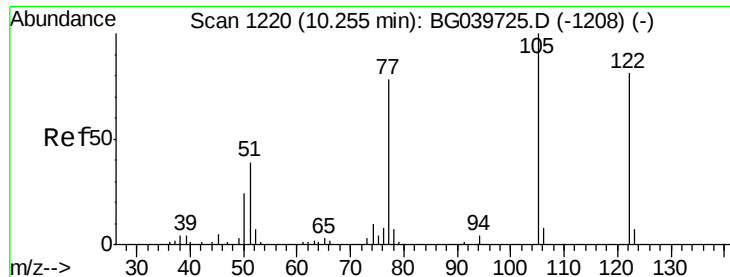
Tot Ion:122 Resp: 17749
 Ion Ratio Lower Upper
 122 100
 107 109.6 91.7 137.5
 121 38.4 46.4 69.6#



#31
 Naphthalene
 Concen: 16.387 ng
 RT: 11.02 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: BG039933.D
 Acq: 14 Mar 2019 20:20

Tgt Ion:128 Resp: 142443
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.7 13.1
 127 13.6 10.8 16.2

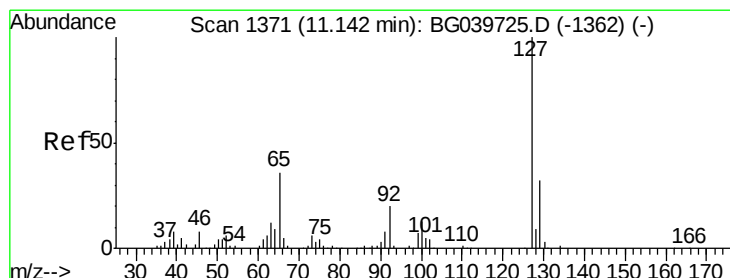
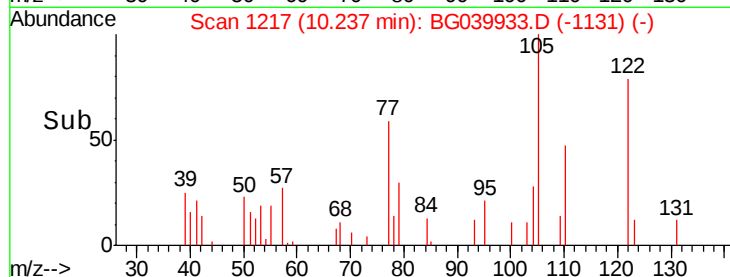
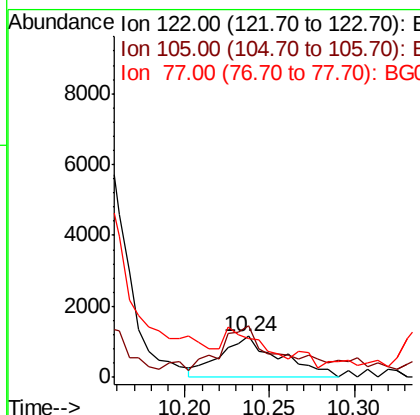
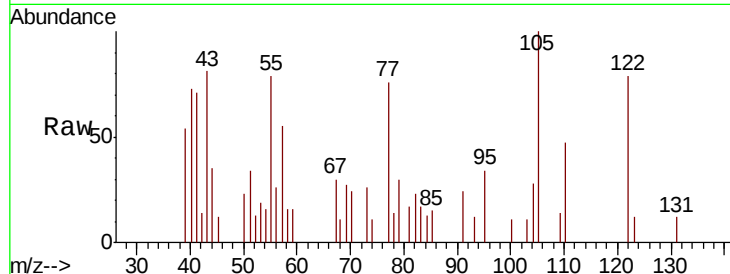




#32
Benzoic acid
Concen: 8.090 ng
RT: 10.24 min Scan# 1217
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

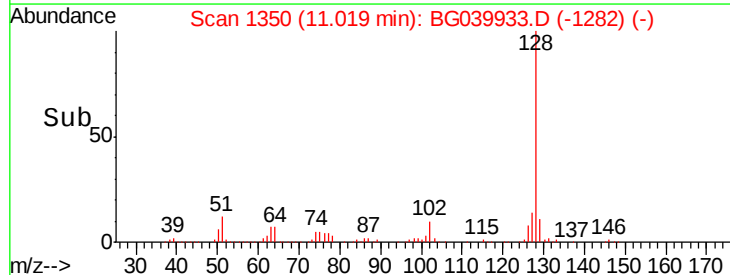
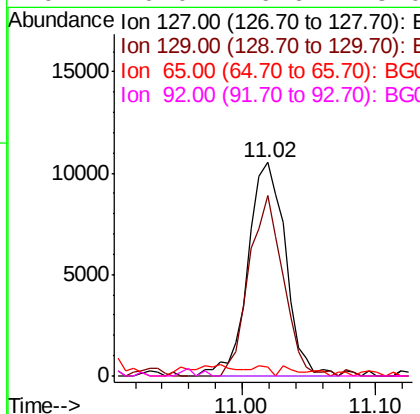
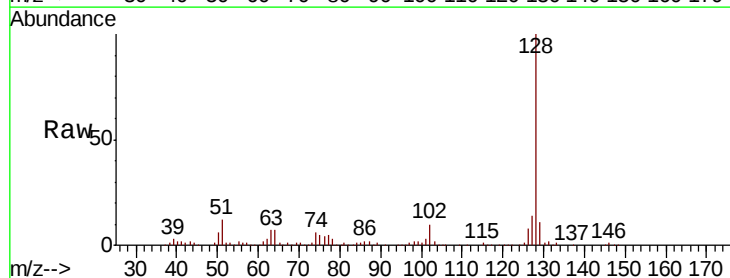
Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW12-GW

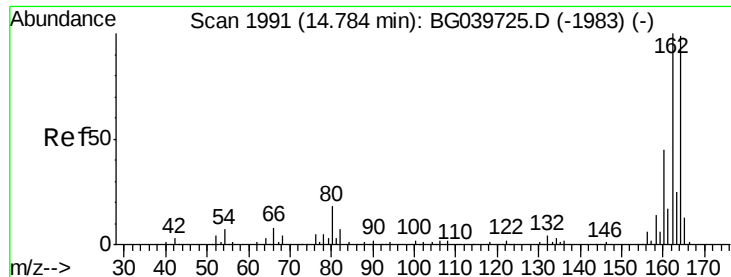
Tot Ion:122 Resp: 2840
Ion Ratio Lower Upper
122 100
105 127.2 101.8 141.8
77 96.1 76.3 116.3



#33
4-Chloroaniline
Concen: 5.534 ng
RT: 11.02 min Scan# 1350
Delta R.T. -0.13 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion:127 Resp: 20396
Ion Ratio Lower Upper
127 100
129 84.4 27.0 40.4#
65 4.1 28.8 43.2#
92 0.0 16.6 25.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW12-GW

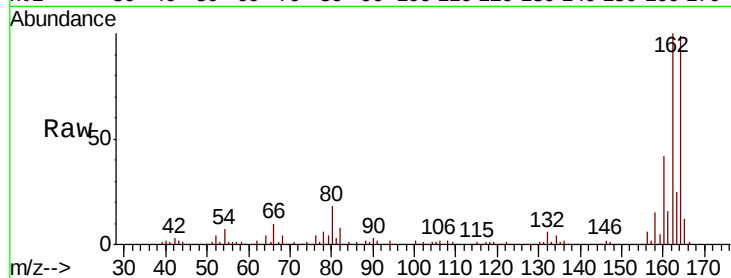
Tot Ion:164 Resp: 115392

Ion Ratio Lower Upper

164 100

162 101.3 81.6 122.4

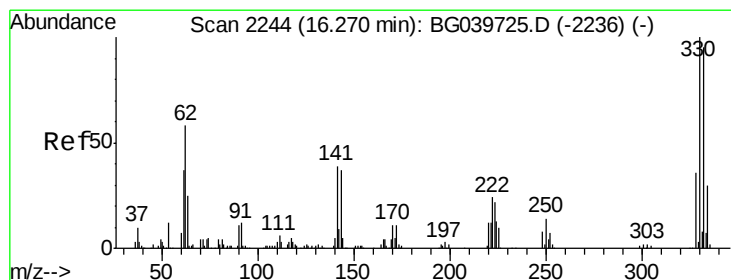
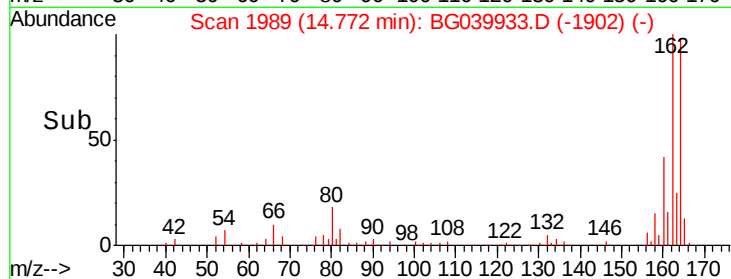
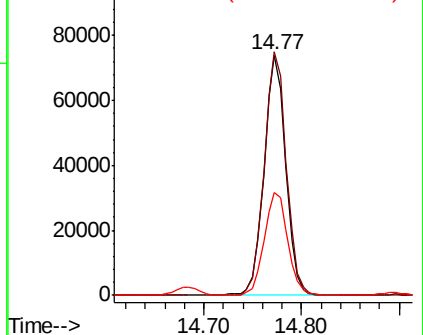
160 42.8 34.2 51.2



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: 152.781 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

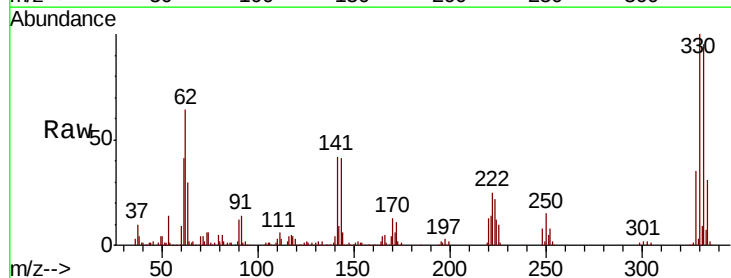
Tgt Ion:330 Resp: 205487

Ion Ratio Lower Upper

330 100

332 95.8 75.7 113.5

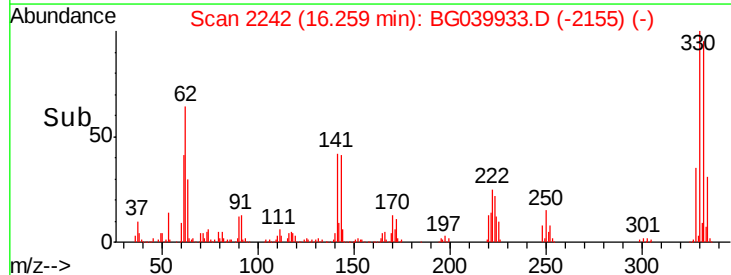
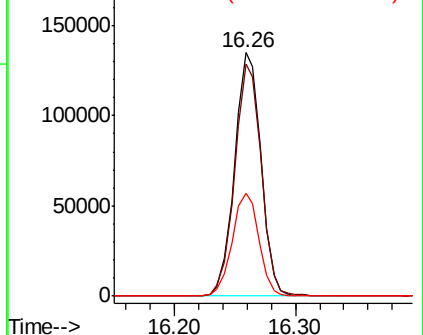
141 43.1 35.6 53.4

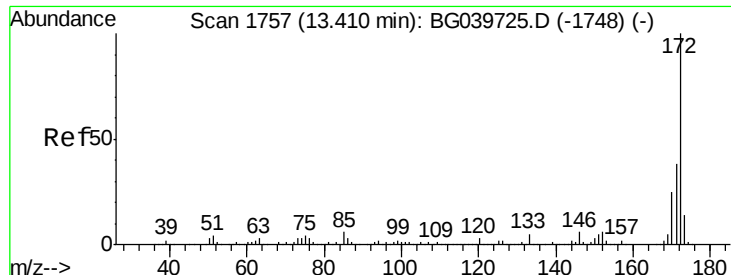


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

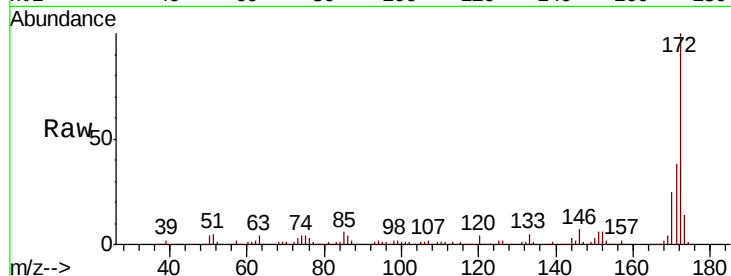




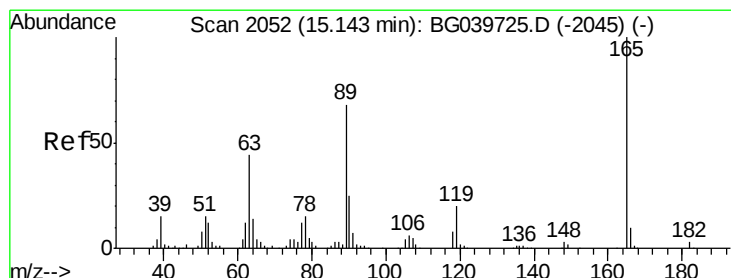
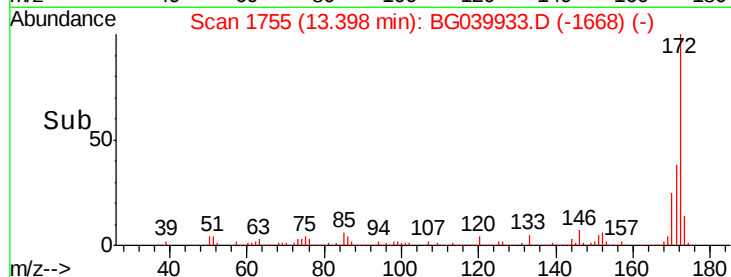
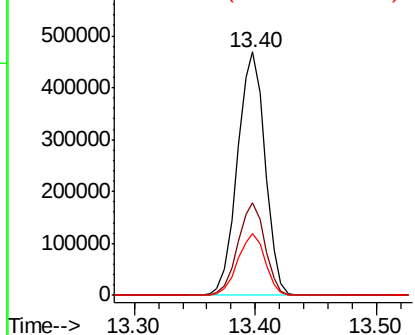
#45
2-Fluorobiphenyl
Concen: 92.140 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW12-GW

Tot Ion:172 Resp: 746731
Ion Ratio Lower Upper
172 100
171 37.8 30.8 46.2
170 25.5 20.2 30.4

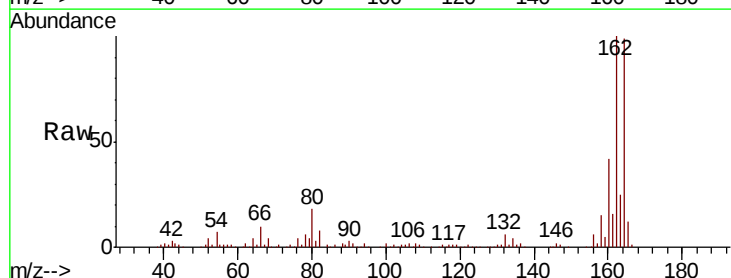


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

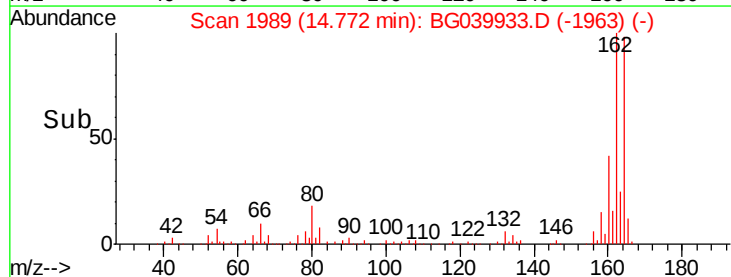
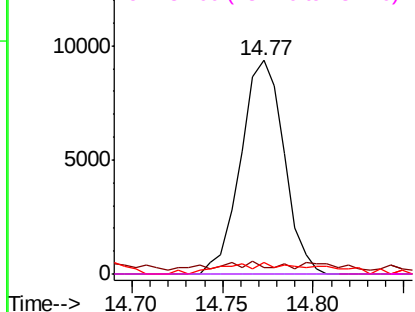


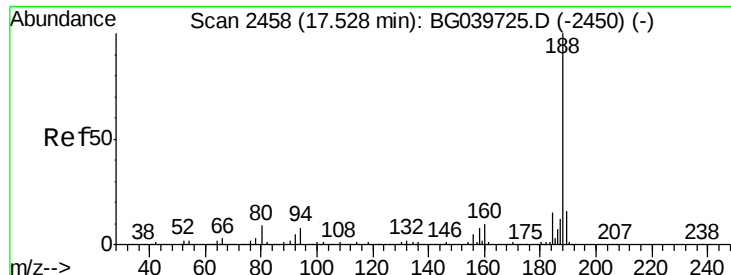
#57
2,4-Dinitrotoluene
Concen: 5.407 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.38 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion:165 Resp: 15540
Ion Ratio Lower Upper
165 100
63 2.8 41.0 61.6#
89 5.6 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

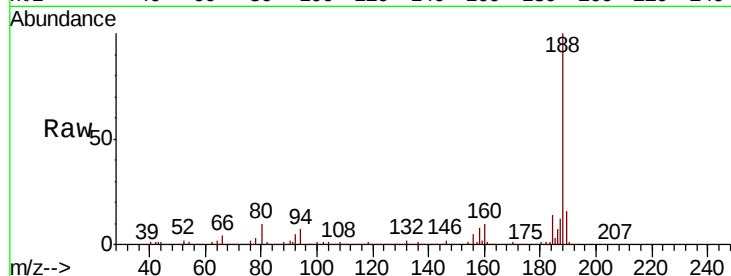




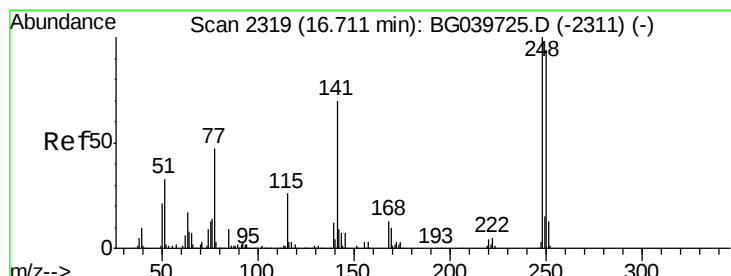
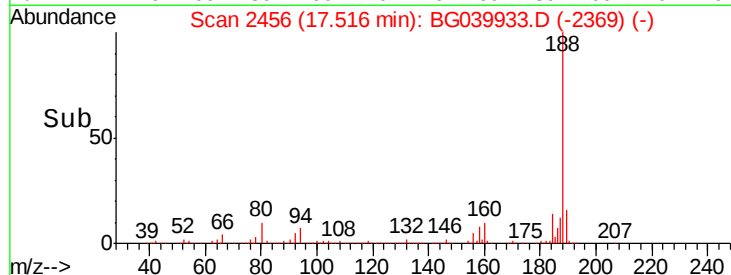
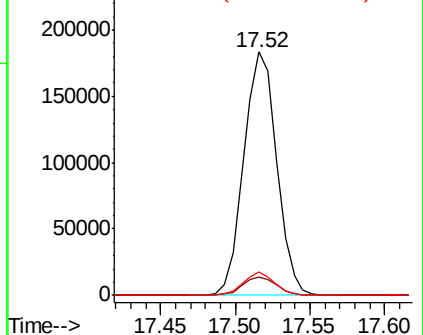
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG039933.D
 Acq: 14 Mar 2019 20:20

Instrument :
 BNA_G
 ClientSampleId :
 RFK-RMAB-MW12-GW

Tot Ion:188 Resp: 278830
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 9.8 8.1 12.1

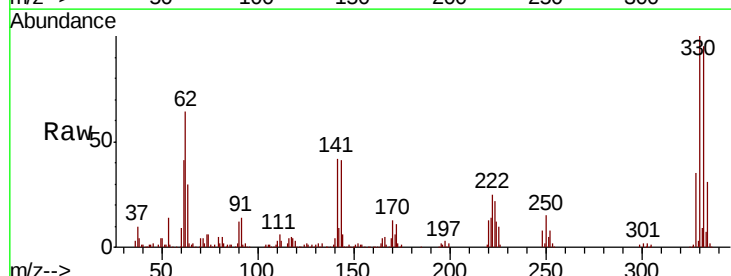


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

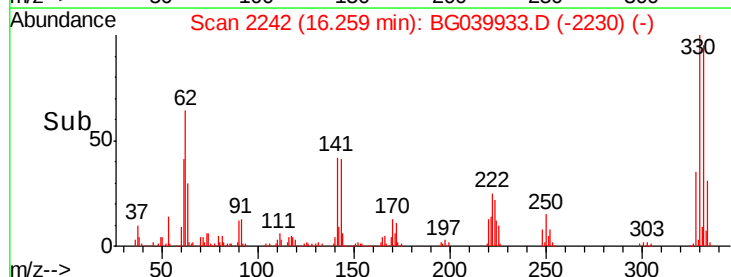
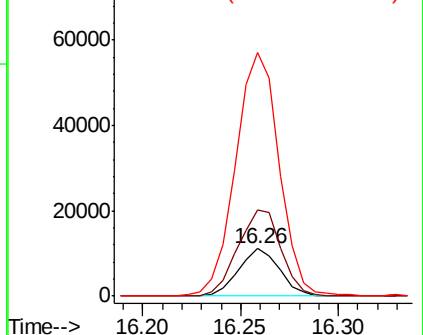


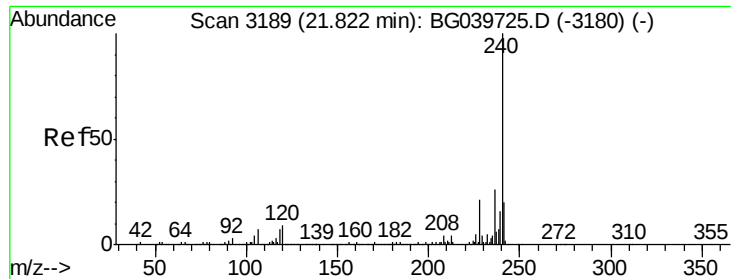
#67
 4-Bromophenyl-phenylether
 Concen: 5.187 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG039933.D
 Acq: 14 Mar 2019 20:20

Tgt Ion:248 Resp: 16188
 Ion Ratio Lower Upper
 248 100
 250 182.2 77.6 116.4#
 141 514.3 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

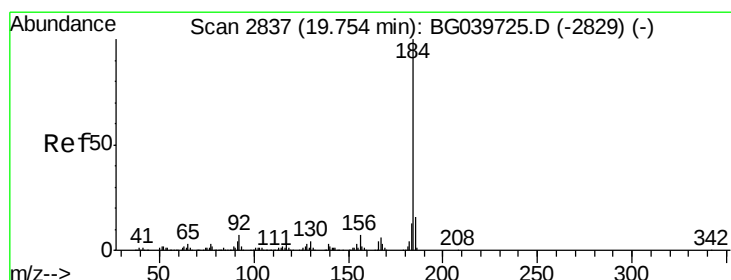
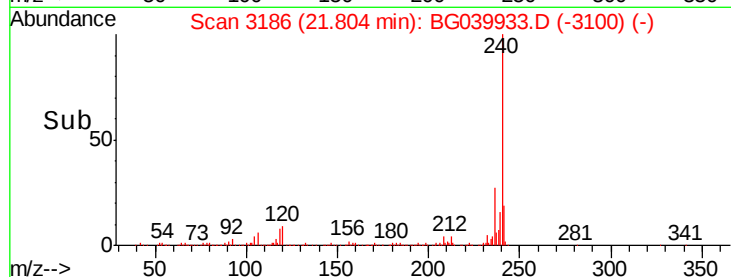
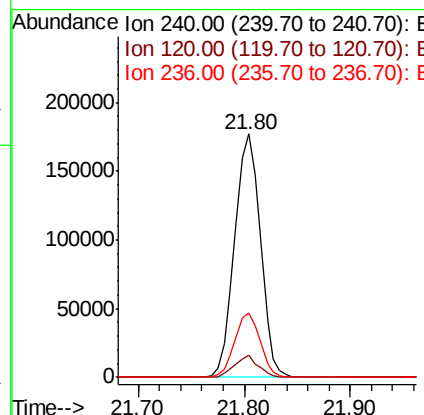
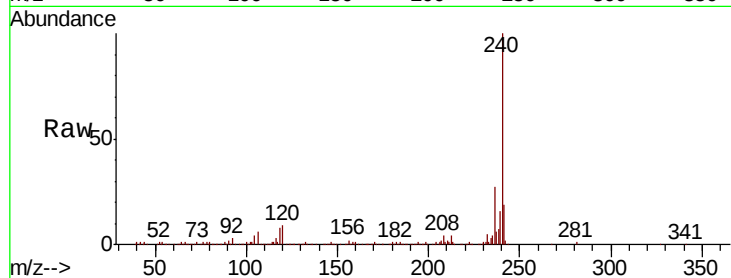




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3186
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

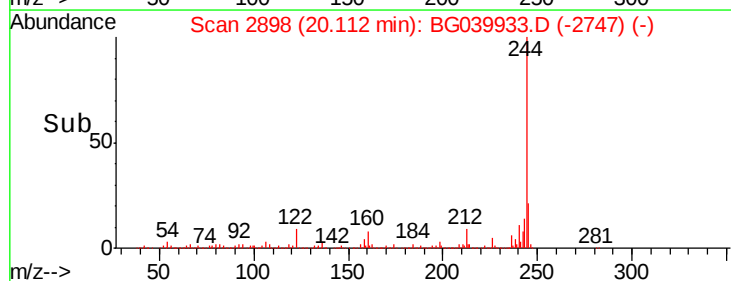
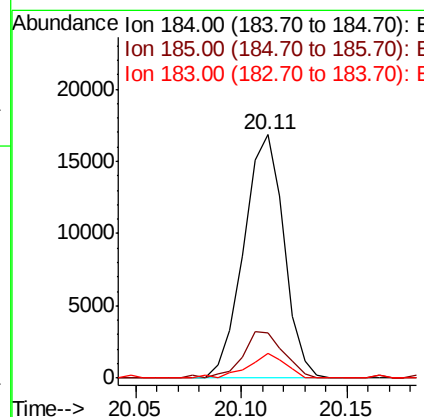
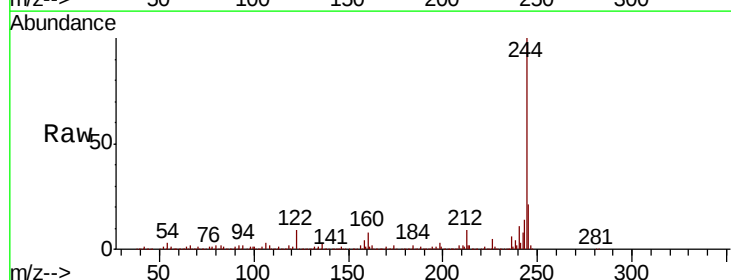
Instrument :
BNA_G
ClientSampleId :
RFK-RMAB-MW12-GW

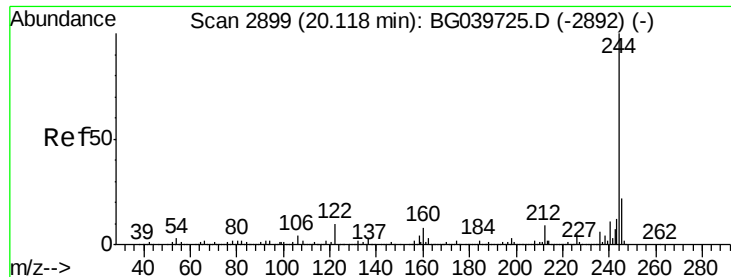
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.0	10.6
236	26.7	21.0	31.4



#77
Benzidine
Concen: 2.343 ng
RT: 20.11 min Scan# 2898
Delta R.T. 0.36 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.5	12.2	18.2#
183	10.3	10.6	15.8#





#79

Terphenyl-d14

Concen: 91.658 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.01 min

Lab File: BG039933.D

Acq: 14 Mar 2019 20:20

Instrument :

BNA_G

ClientSampleId :

RFK-RMAB-MW12-GW

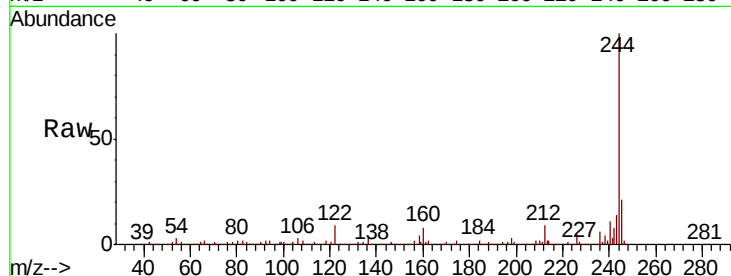
Tot Ion:244 Resp: 1241786

Ion Ratio Lower Upper

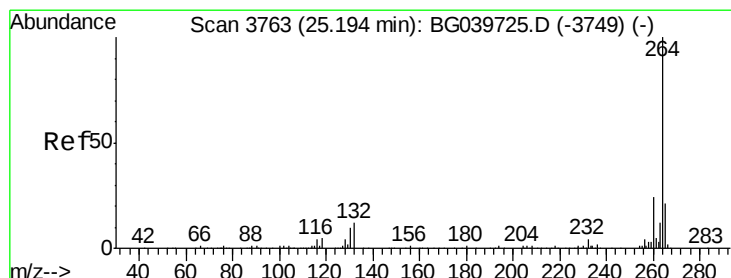
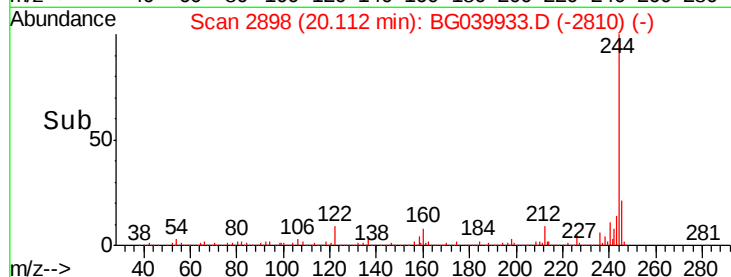
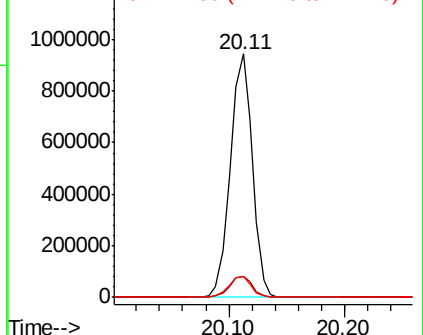
244 100

212 8.8 7.3 10.9

122 8.8 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: BG039933.D

Acq: 14 Mar 2019 20:20

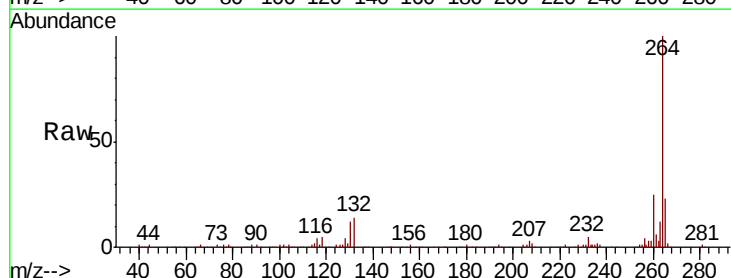
Tgt Ion:264 Resp: 300384

Ion Ratio Lower Upper

264 100

260 25.4 18.2 27.4

265 22.9 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

