

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 08:35:07 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

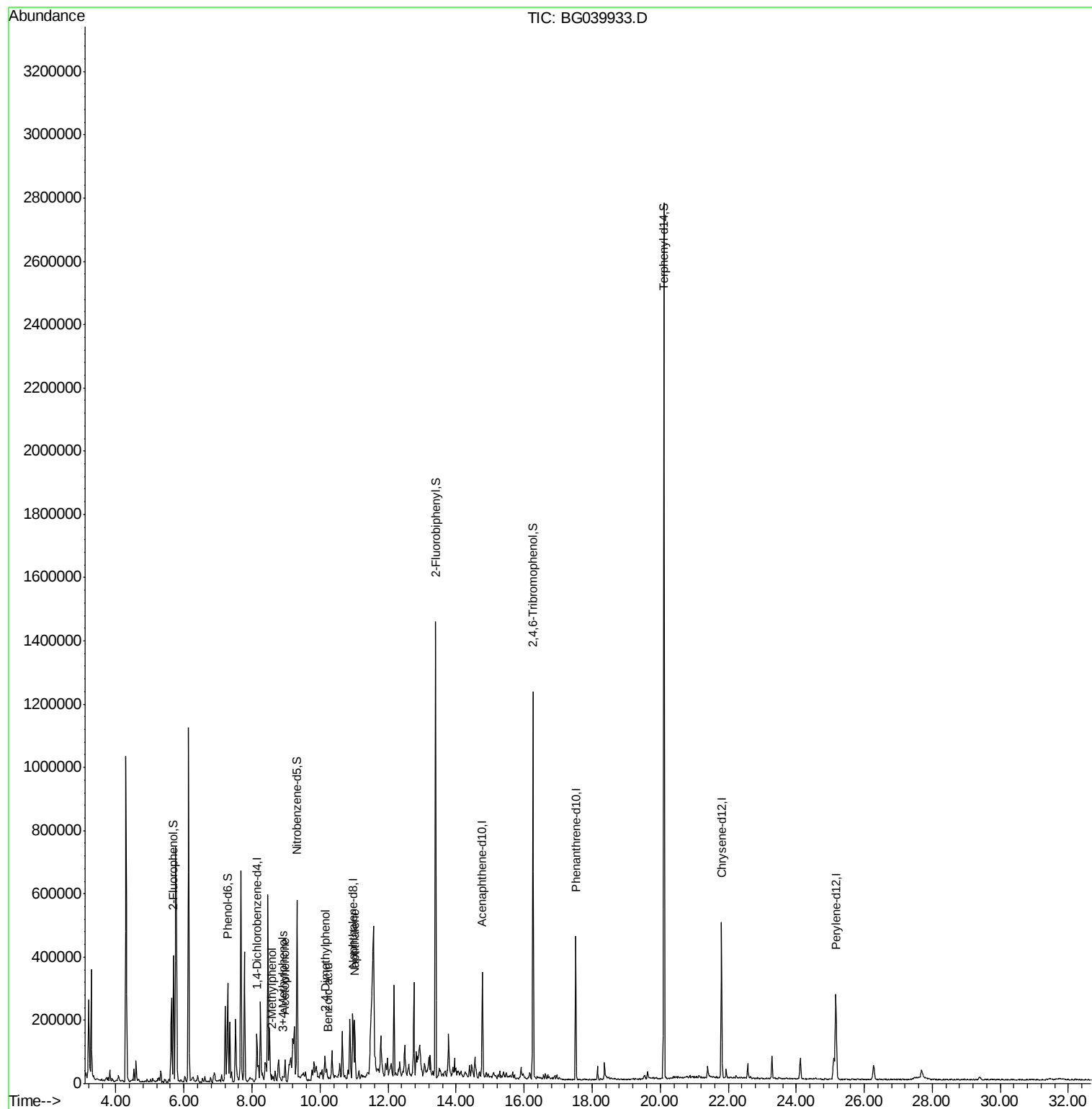
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40355	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	164172	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	115392	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	278830	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	298300	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						
17) 2-Methylphenol	8.57	107	6808	2.794	ng	# 89
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	2935m	8.140	ng	

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

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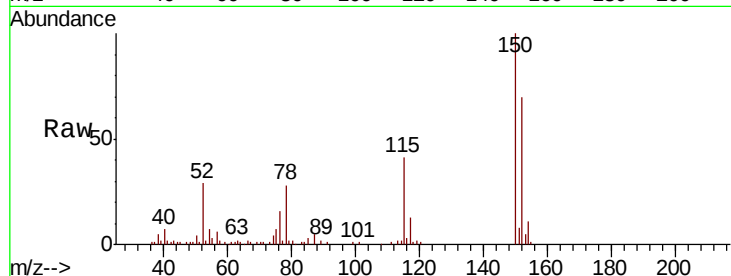


#1

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

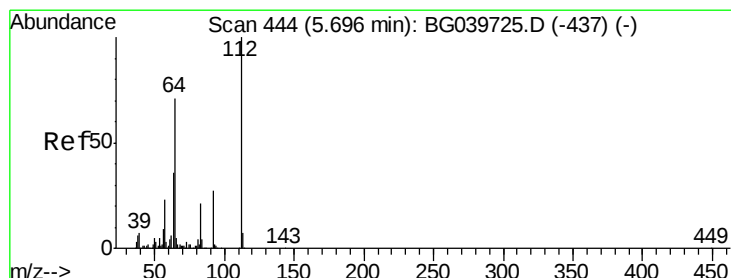
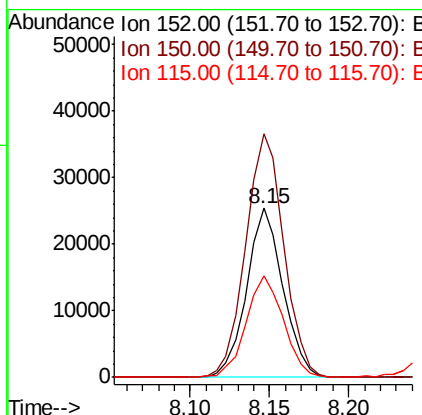
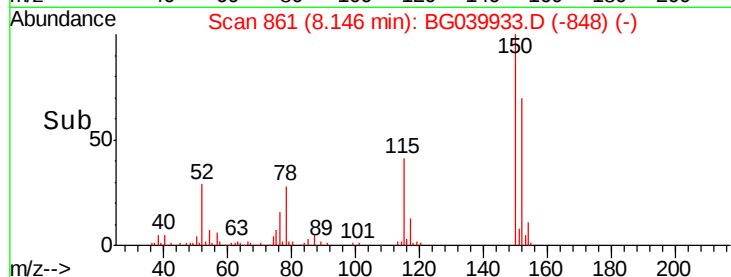


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

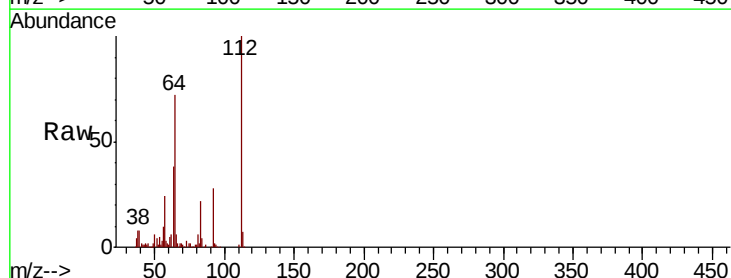
Ion 115.00 (114.70 to 115.70): E



#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

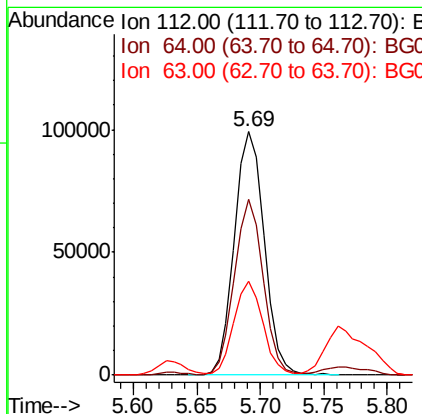
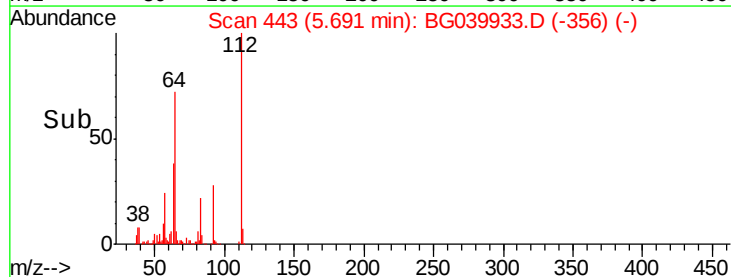


Abundance

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

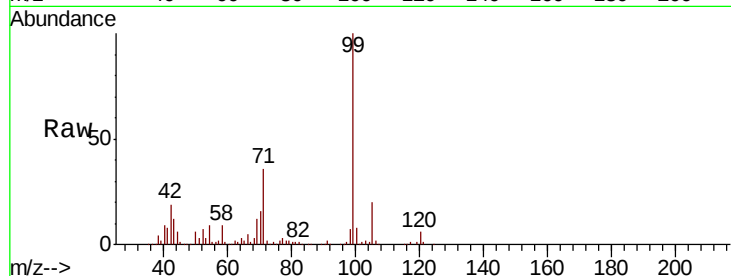
Tot Ion: 99 Resp: 150967

Ion Ratio Lower Upper

99 100

42 19.3 18.2 27.2

71 36.4 28.0 42.0

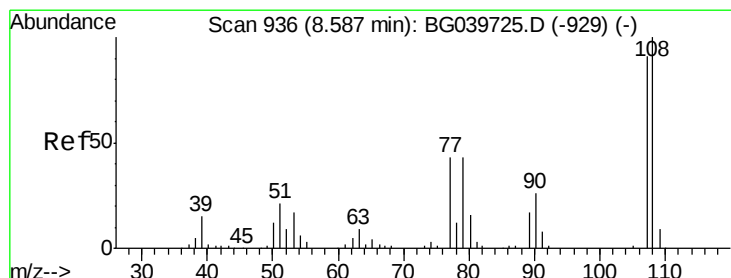
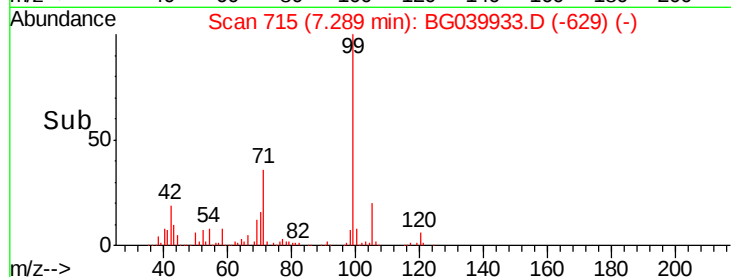
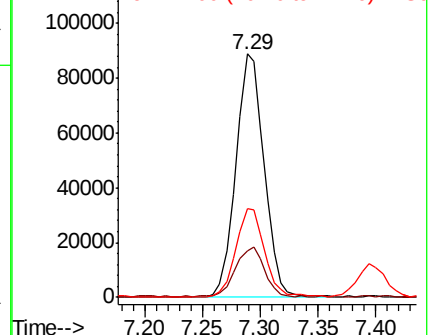


Abundance

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



#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

Tgt Ion: 107 Resp: 6808

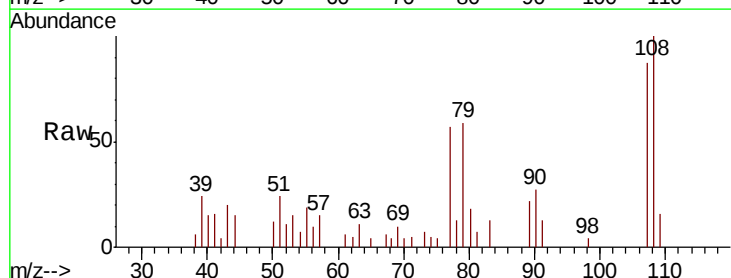
Ion Ratio Lower Upper

107 100

108 115.1 90.8 136.2

77 65.4 40.7 61.1#

79 67.7 40.6 60.8#



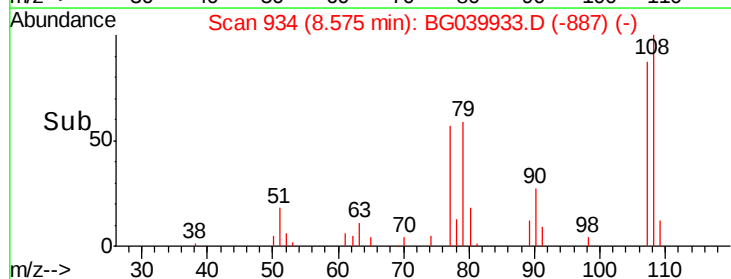
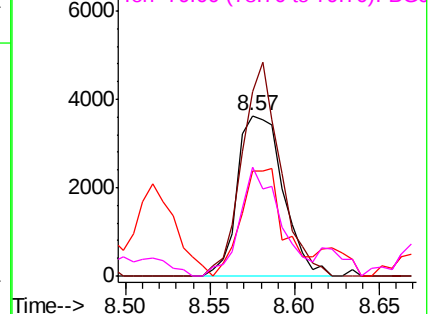
Abundance

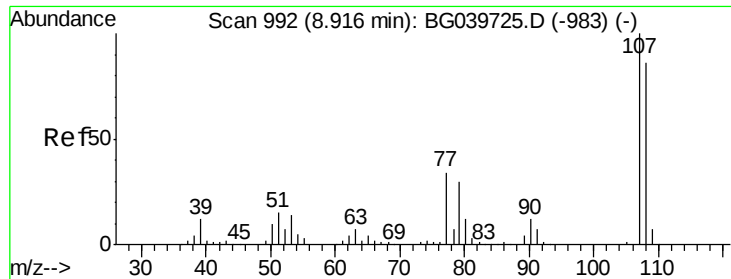
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

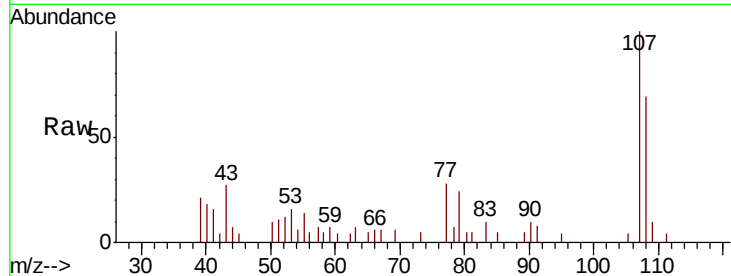




#20
3+4-Methylphenols
Concen: 2.251 ng
RT: 8.90 min Scan# 990
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

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



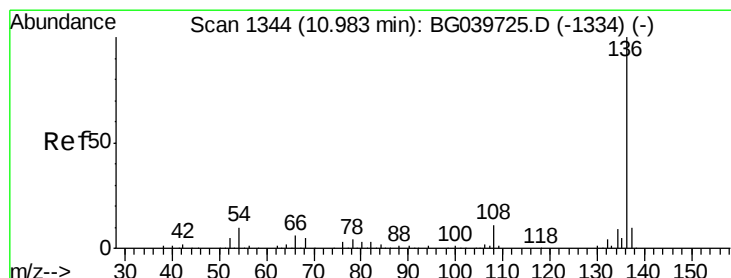
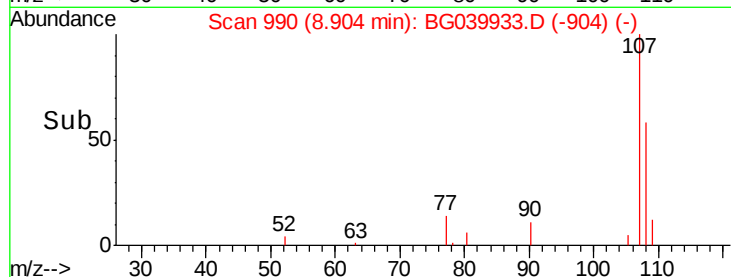
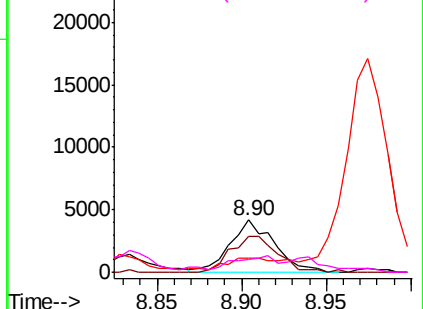
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

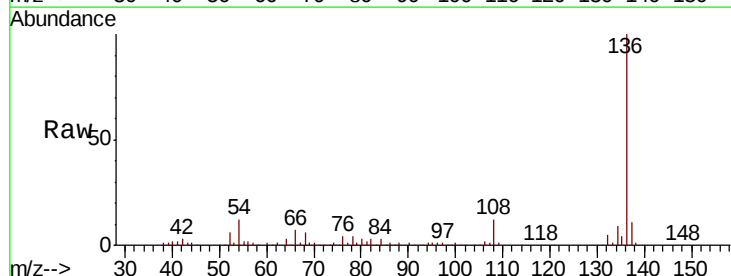
Ion 77.00 (76.70 to 77.70): BGC

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



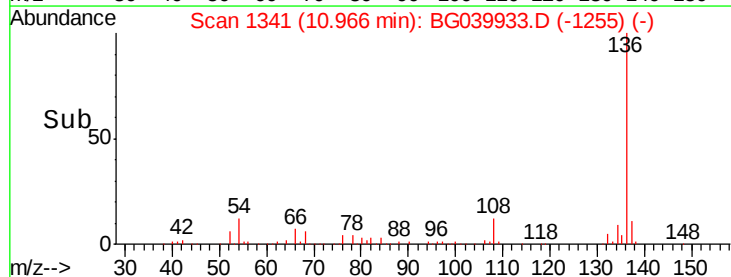
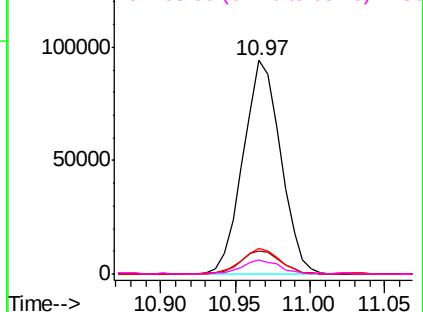
Abundance

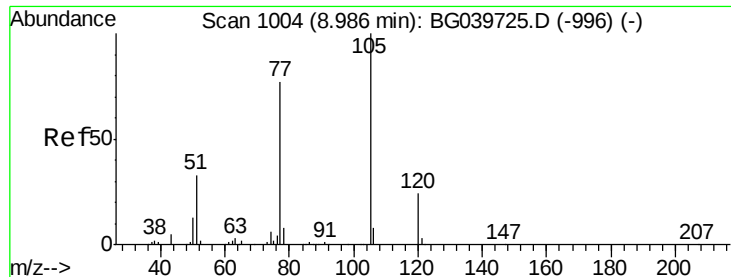
Ion 136.00 (135.70 to 136.70): E

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 :

BNA_G

ClientSampleId :

RFK-RMAB-MW12-GW

Tot Ion:105 Resp: 42214

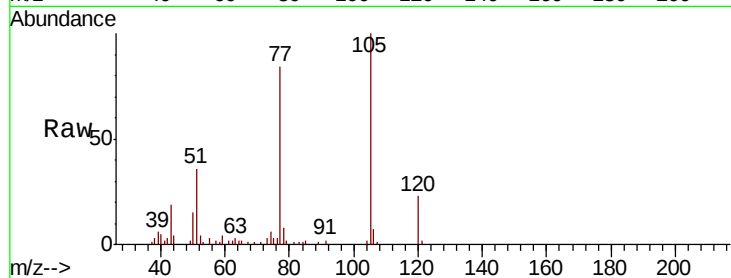
Ion Ratio Lower Upper

105 100

71 0.8 0.8 1.2#

51 35.8 30.2 45.2

120 22.5 18.0 27.0

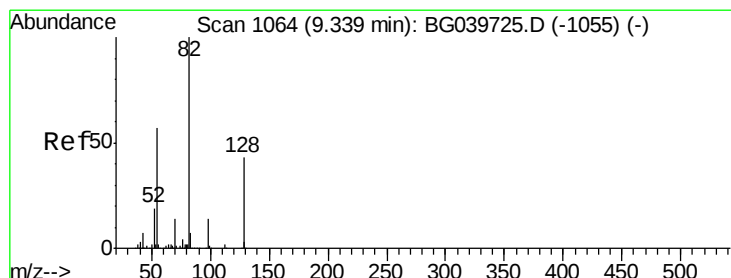
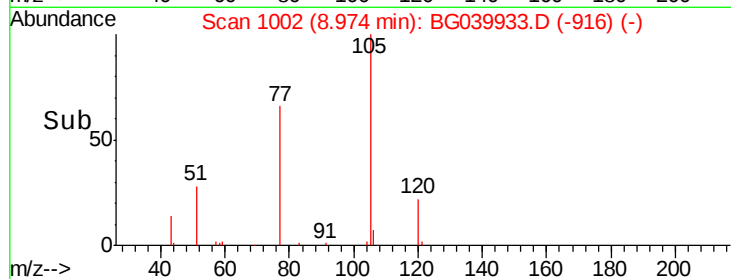
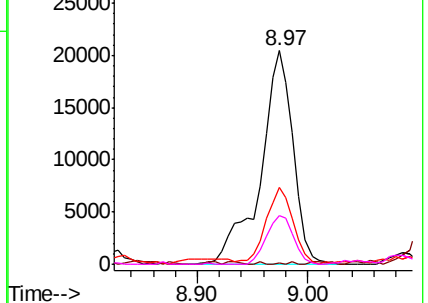


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#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

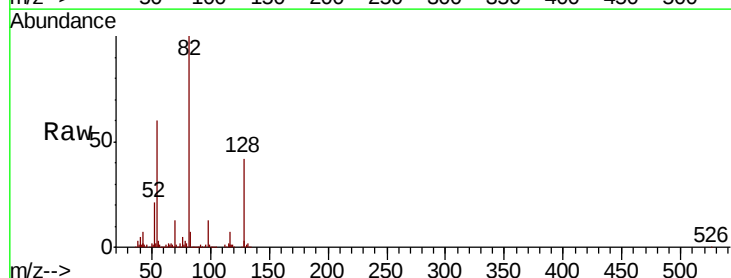
Tgt Ion: 82 Resp: 309688

Ion Ratio Lower Upper

82 100

128 41.7 31.3 46.9

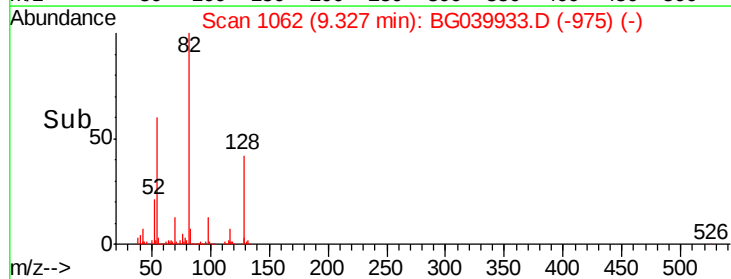
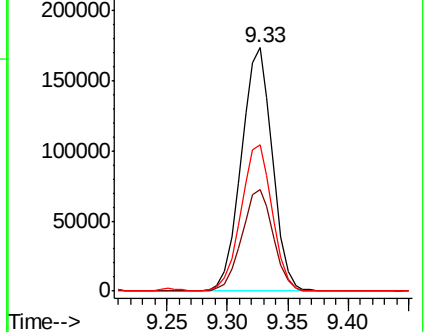
54 60.0 50.9 76.3

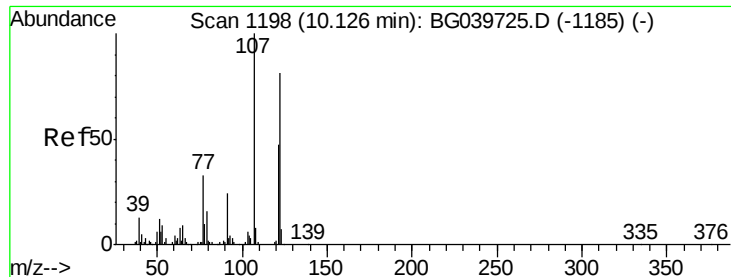


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

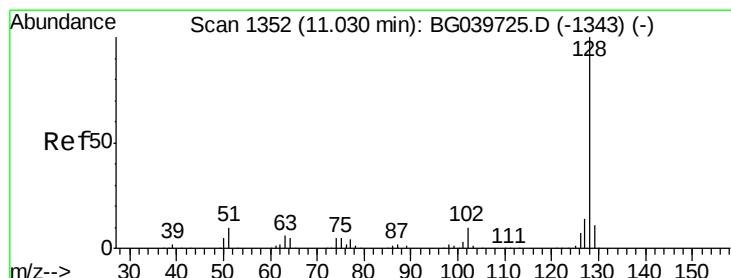
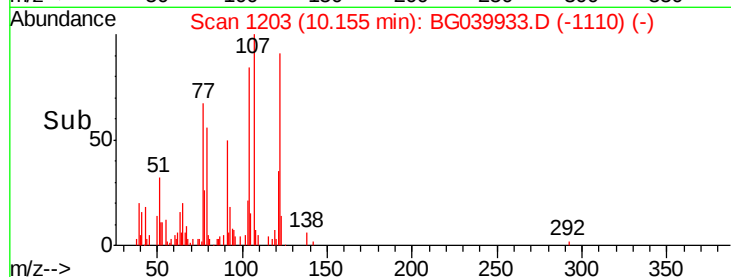
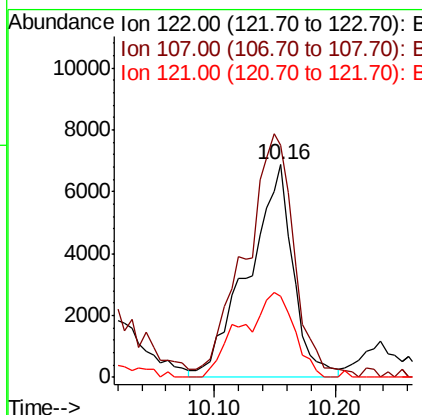
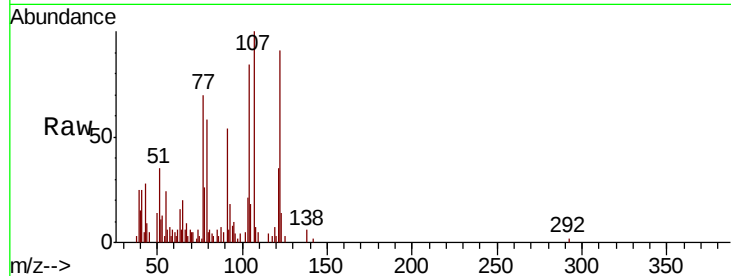




#27
2,4-Dimethylphenol
Concen: 7.422 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

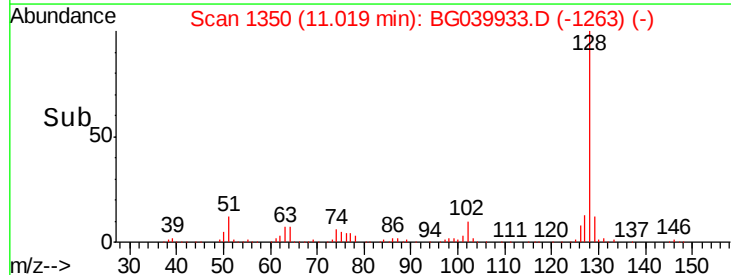
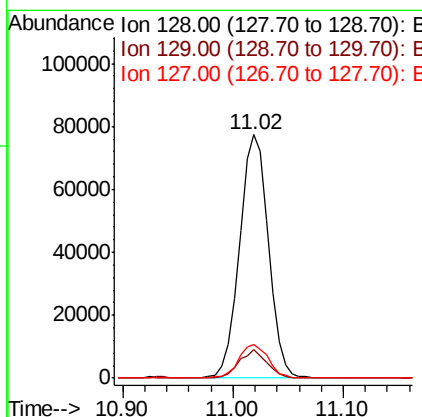
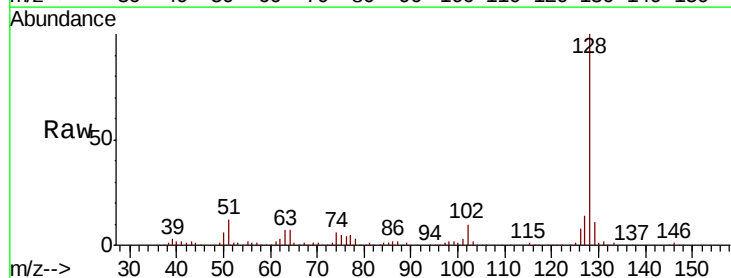
Instrument :
BNA_G
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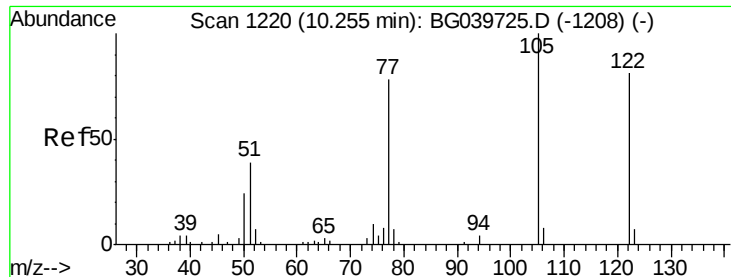
Tot Ion:122 Resp: 17749
Ion Ratio Lower Upper
122 100
107 109.6 91.7 137.5
121 38.4 46.4 69.6#



#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

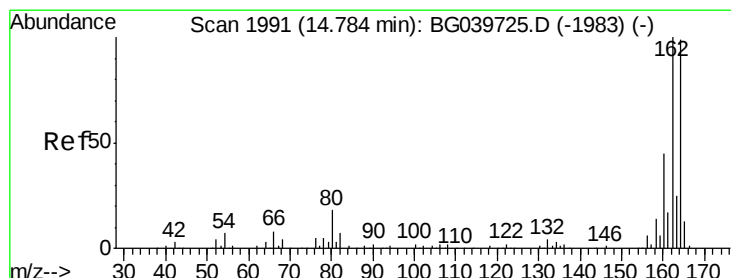
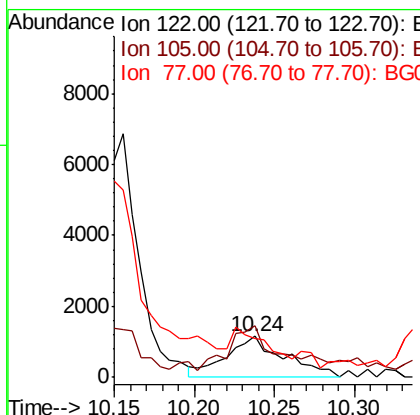
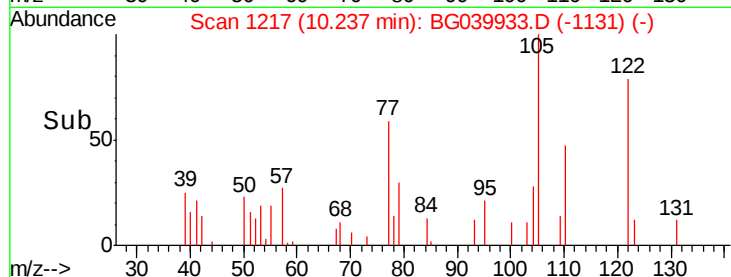
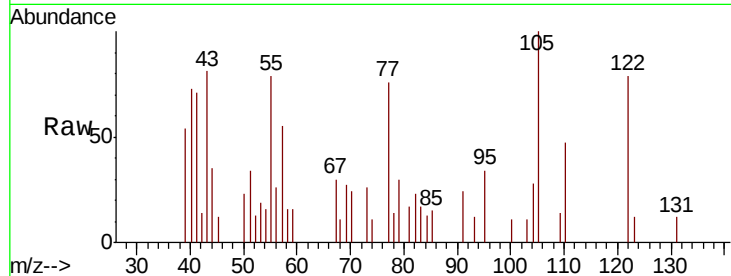




#32
Benzoic acid
Concen: 8.140 ng/ml
RT: 10.24 min Scan# 1217
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

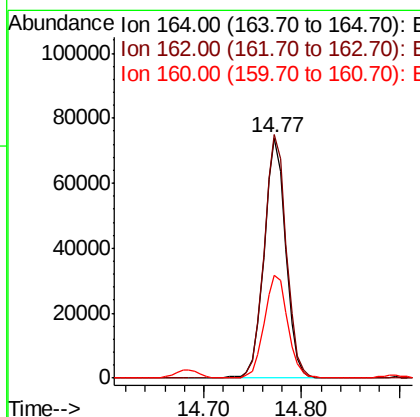
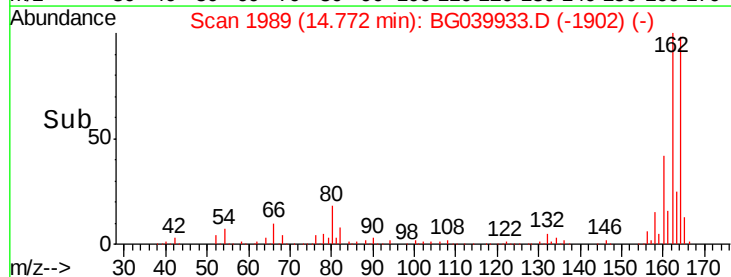
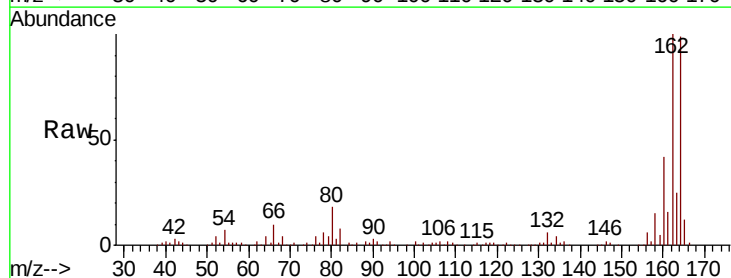
Instrument :
BNA_G
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RFK-RMAB-MW12-GW

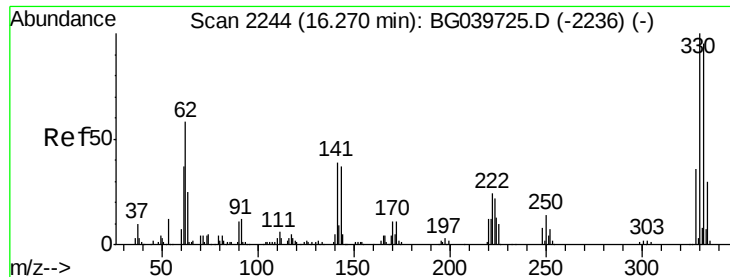
Tot Ion:122 Resp: 2935
Ion Ratio Lower Upper
122 100
105 127.2 101.8 141.8
77 96.1 76.3 116.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG039933.D
Acq: 14 Mar 2019 20:20

Tgt Ion:164 Resp: 115392
Ion Ratio Lower Upper
164 100
162 101.3 81.6 122.4
160 42.8 34.2 51.2

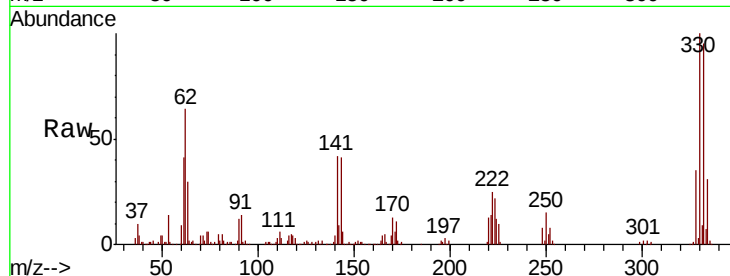




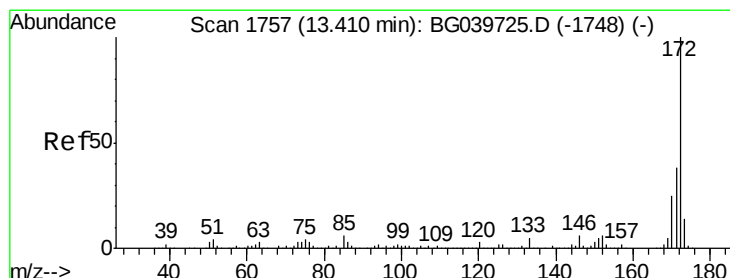
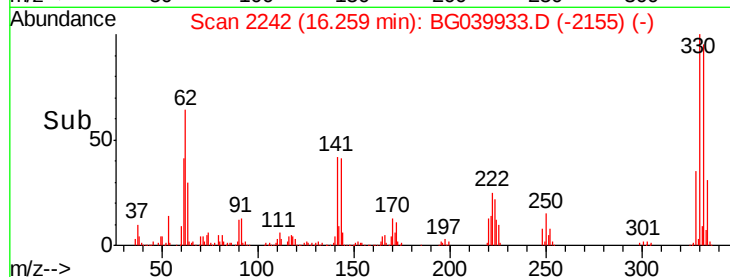
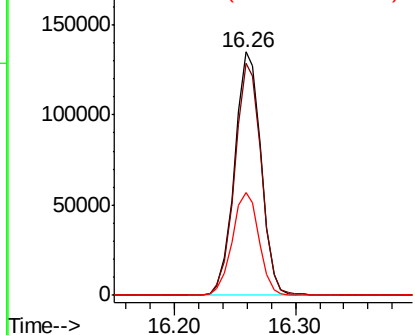
#42
 2,4,6-Tribromophenol
 Concen: 152.781 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG039933.D
 Acq: 14 Mar 2019 20:20

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.7	113.5
141	43.1	35.6	53.4

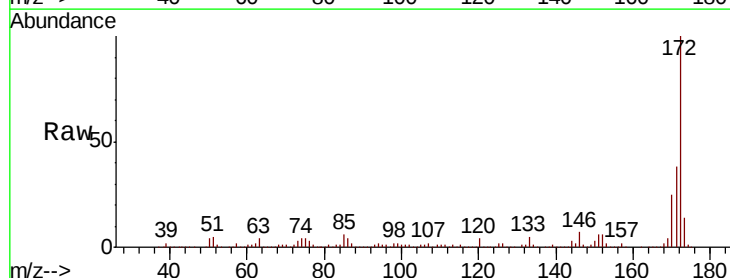


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

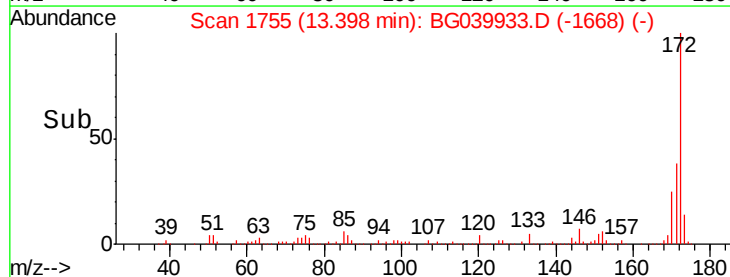
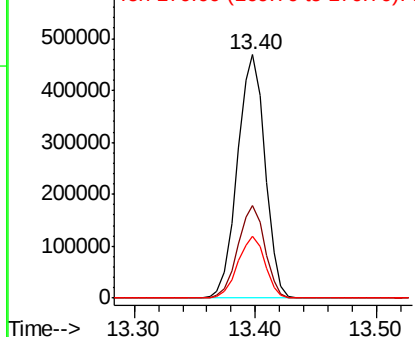


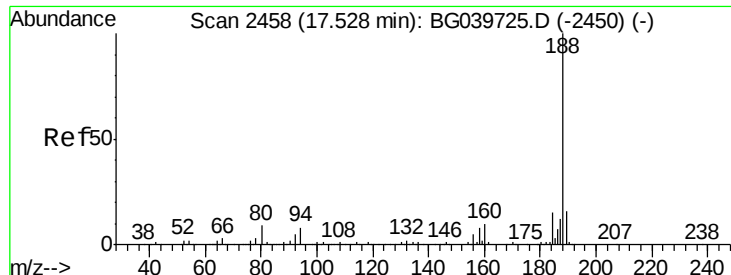
#45
 2-Fluorobiphenyl
 Concen: 92.140 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG039933.D
 Acq: 14 Mar 2019 20:20

Tgt 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





#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

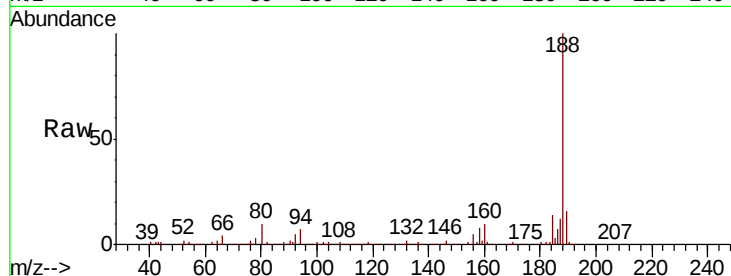
Tot Ion:188 Resp: 278830

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

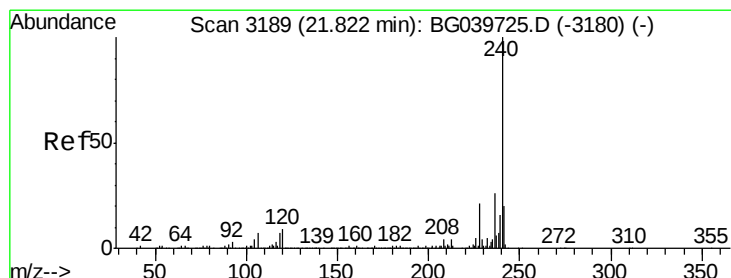
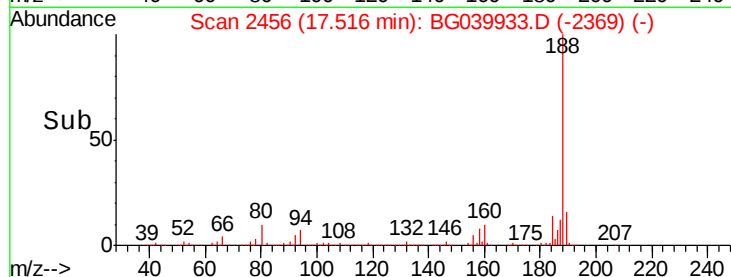
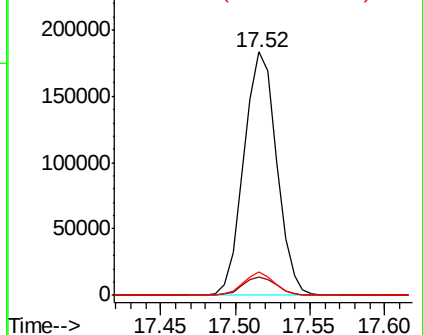
80 9.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#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

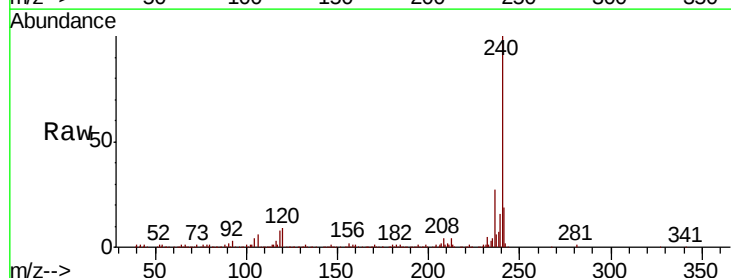
Tgt Ion:240 Resp: 298300

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

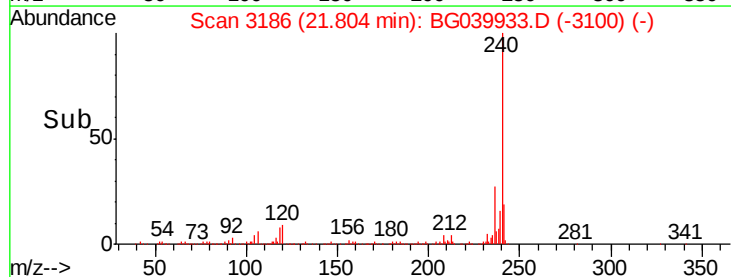
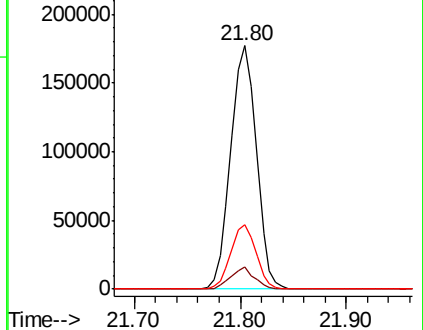
236 26.7 21.0 31.4

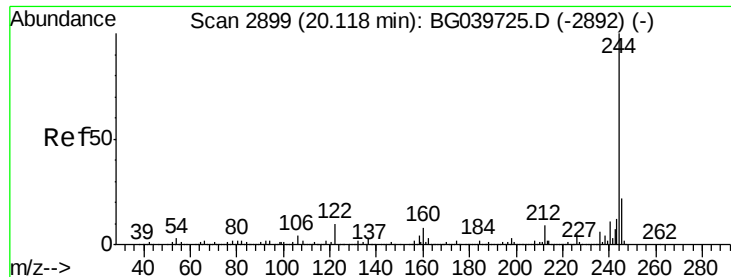


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#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 :

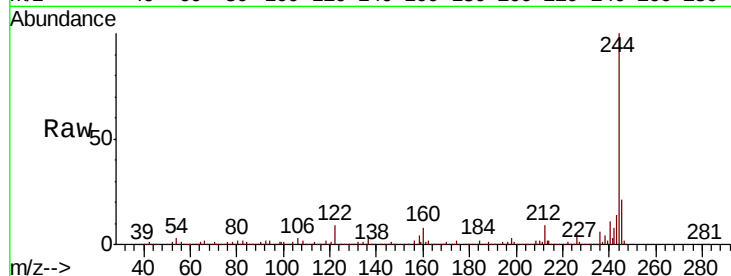
BNA_G

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

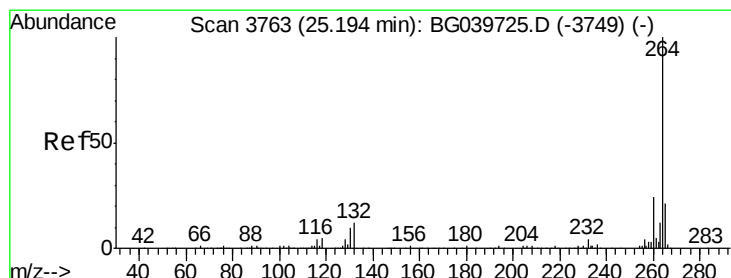
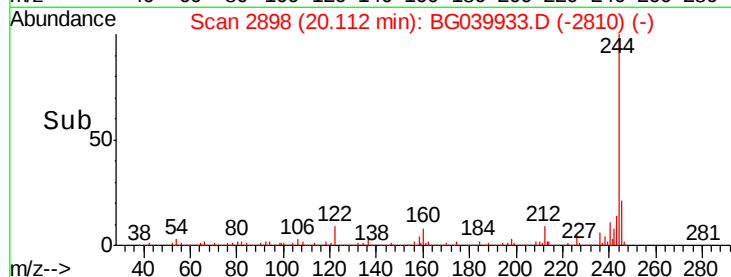
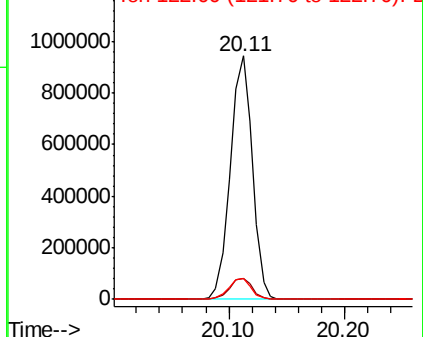


Abundance

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

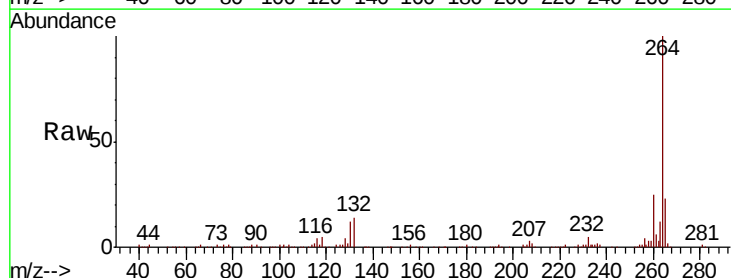
Delta R.T. -0.04 min

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

