

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG011819\
 Data File : BG039217.D
 Acq On : 18 Jan 2019 15:55
 Operator : JU/SJ
 Sample : K1157-11RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-06-011519

Quant Time: Jan 18 21:55:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 18 04:20:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	19069	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	81698	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	53047	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	109992	20.00	ng	0.00
76) Chrysene-d12	21.67	240	113959	20.00	ng	-0.02
87) Perylene-d12	24.93	264	135479	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	178002	177.08	ng	0.00
7) Phenol-d6	7.18	99	238567	164.91	ng	0.00
23) Nitrobenzene-d5	9.19	82	143169	95.89	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	121748	136.92	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	439018	113.26	ng	0.00
79) Terphenyl-d14	20.00	244	559048	90.75	ng	0.00

Target Compounds

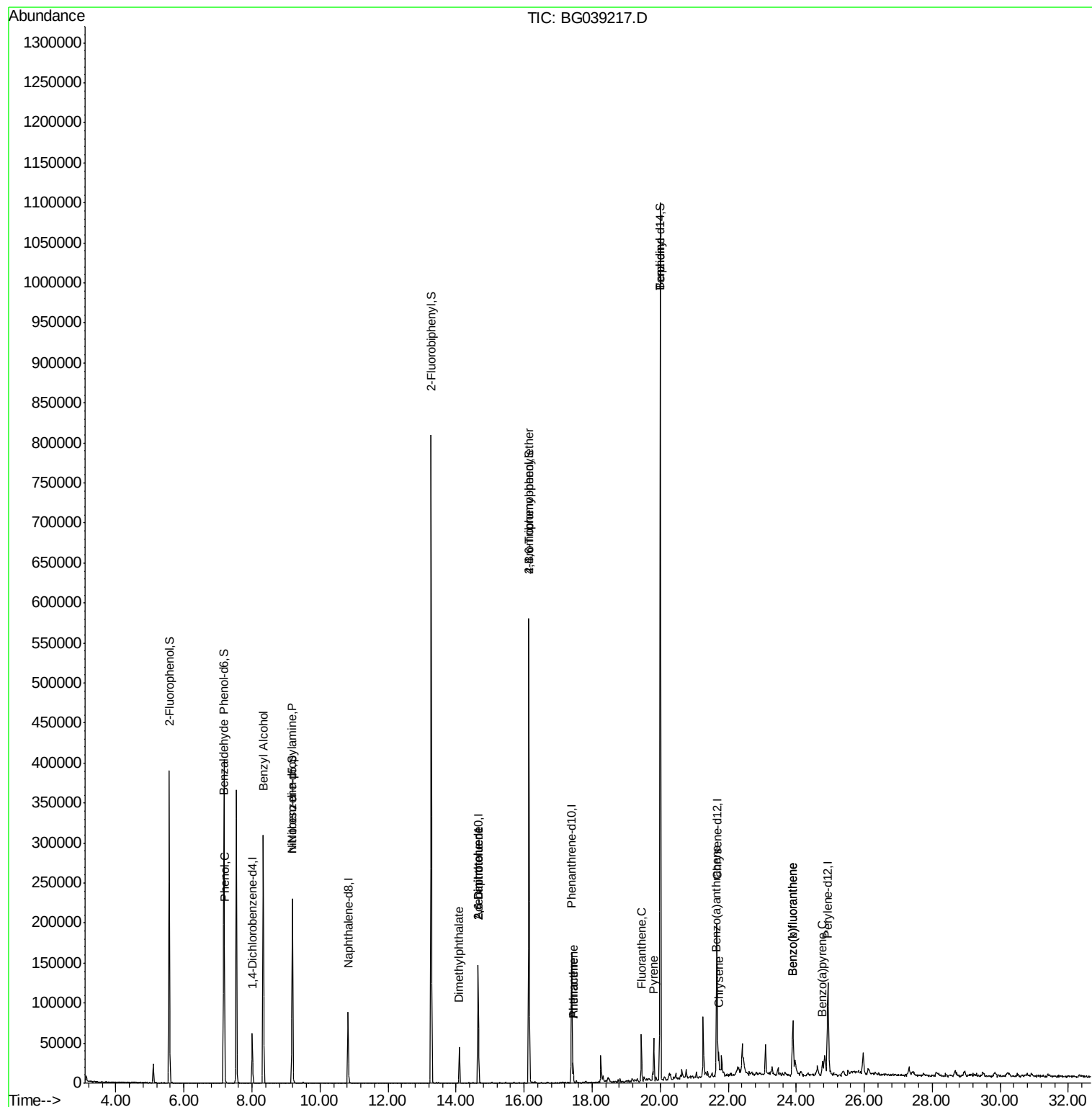
						Qvalue
9) Benzaldehyde	7.16	77	1838	2.203	ng	91
10) Phenol	7.19	94	3789	2.612	ng	# 41
15) Benzyl Alcohol	8.33	79	2318	2.128	ng	# 47
19) n-Nitroso-di-n-propylamine	9.19	70	18721	19.707	ng	# 69
50) Dimethylphthalate	14.10	163	33155	7.396	ng	98
51) 2,6-Dinitrotoluene	14.65	165	7185	7.169	ng	# 24
57) 2,4-Dinitrotoluene	14.65	165	7185	4.997	ng	# 26
67) 4-Bromophenyl-phenylether	16.14	248	8048	5.692	ng	# 1
71) Phenanthrene	17.44	178	17986	3.094	ng	96
72) Anthracene	17.44	178	17986	3.129	ng	95
75) Fluoranthene	19.45	202	39416	5.469	ng	98
77) Benzidine	20.00	184	9015	2.586	ng	# 93
78) Pyrene	19.81	202	38419	5.290	ng	98
81) Benzo(a)anthracene	21.65	228	19807	2.855	ng	98
83) Chrysene	21.72	228	21011	3.184	ng	95
88) Benzo(b)fluoranthene	23.90	252	38289	5.126	ng	# 95
89) Benzo(k)fluoranthene	23.90	252	38289	5.184	ng	# 93
90) Benzo(a)pyrene	24.77	252	20414	2.827	ng	# 98

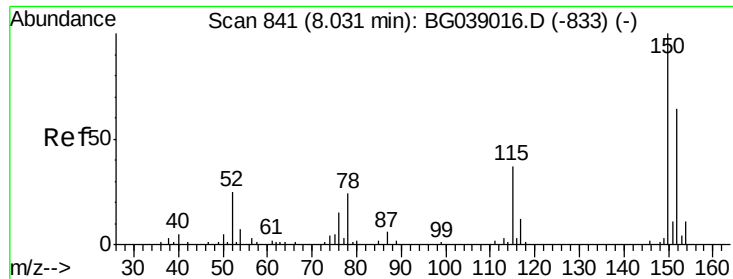
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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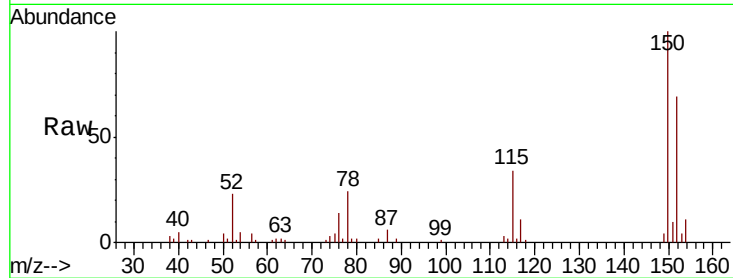


#1

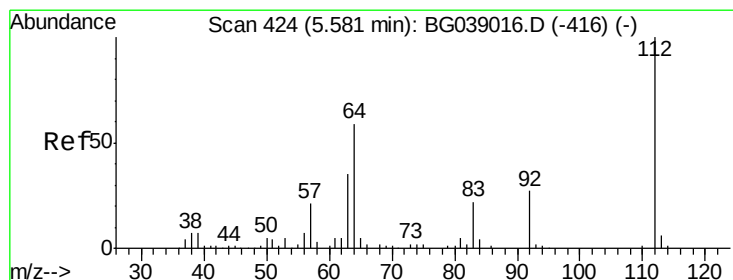
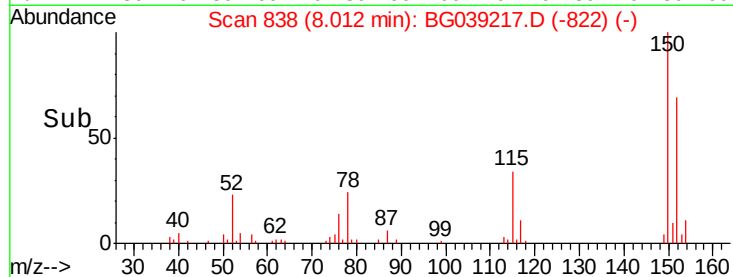
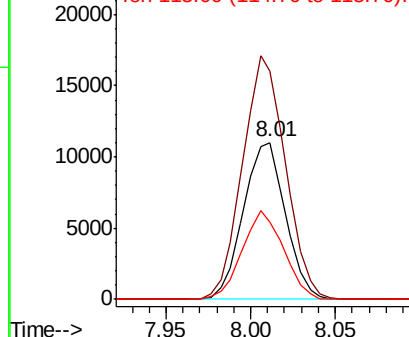
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Instrument :
BNA_G
ClientSampleId :
WC-06-011519

Tgt Ion:152 Resp: 19069
Ion Ratio Lower Upper
152 100
150 145.7 124.7 187.1
115 49.6 46.5 69.7



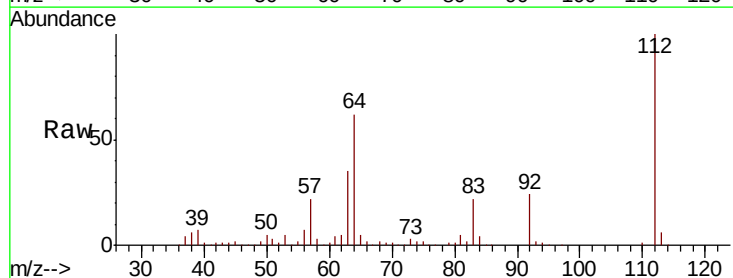
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



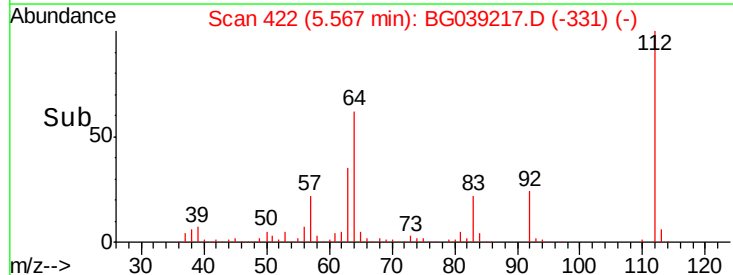
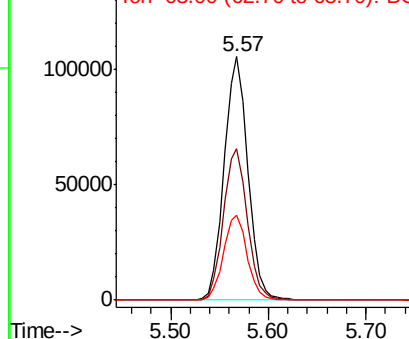
#5

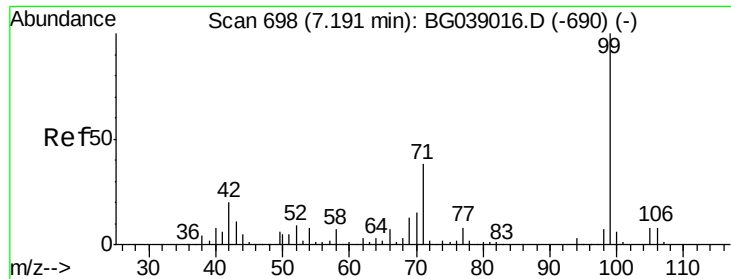
2-Fluorophenol
Concen: 177.076 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Tgt Ion:112 Resp: 178002
Ion Ratio Lower Upper
112 100
64 62.0 47.0 70.6
63 34.8 28.0 42.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 164.909 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

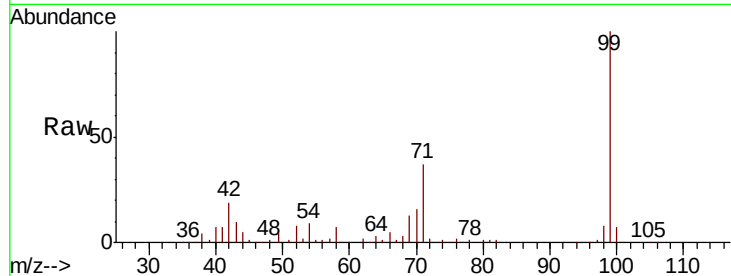
Tgt Ion: 99 Resp: 238567

Ion Ratio Lower Upper

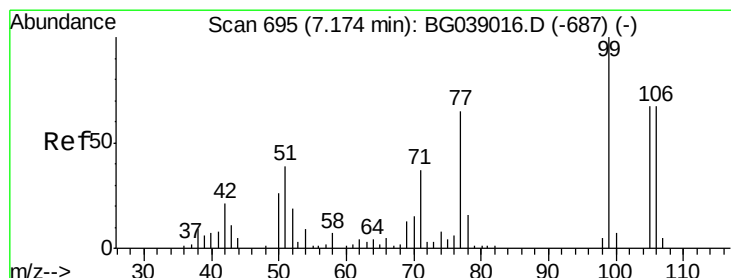
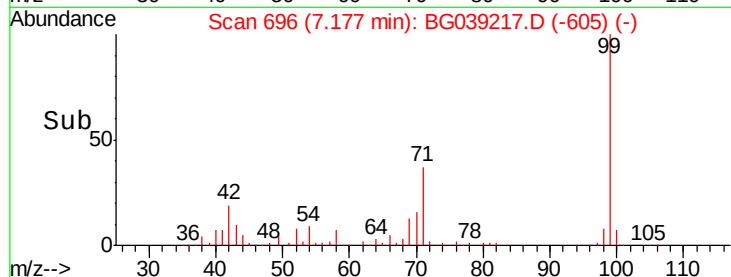
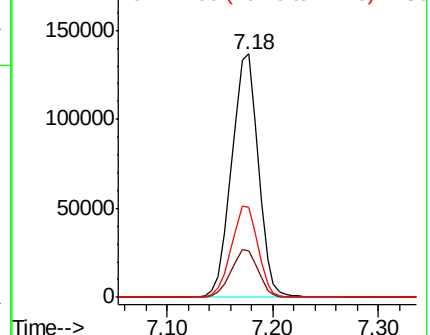
99 100

42 18.9 15.8 23.6

71 36.9 30.2 45.4



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: 2.203 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

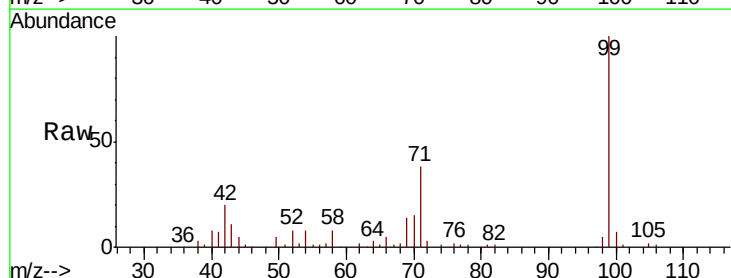
Tgt Ion: 77 Resp: 1838

Ion Ratio Lower Upper

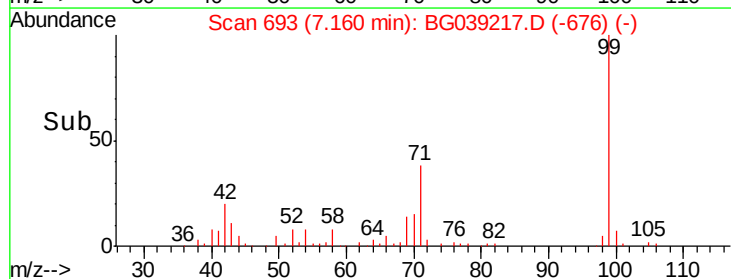
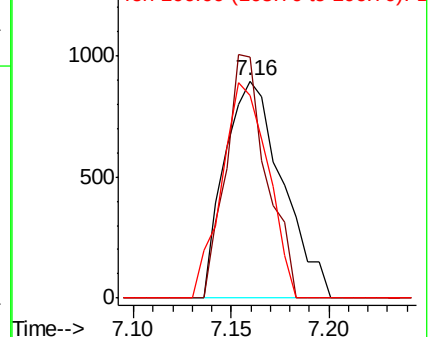
77 100

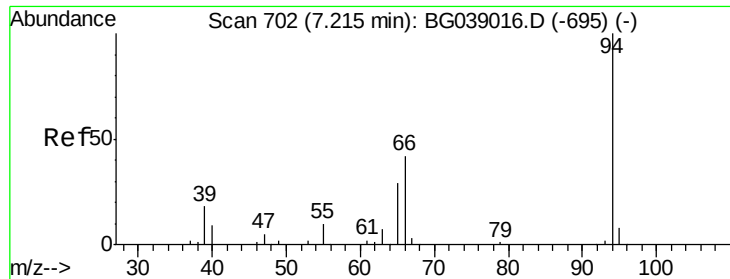
105 110.9 82.4 122.4

106 93.2 82.8 122.8



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





#10

Phenol

Concen: 2.612 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.01 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

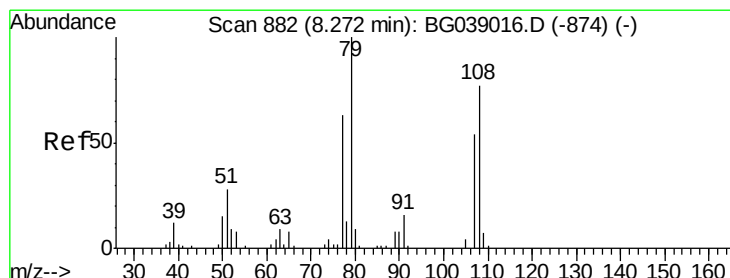
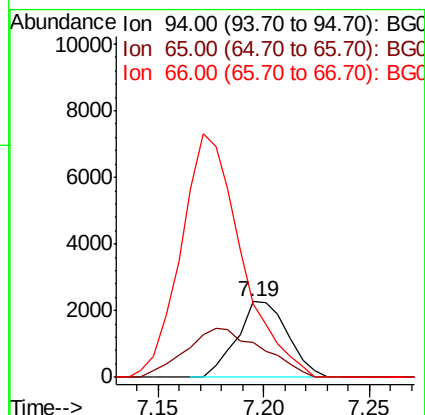
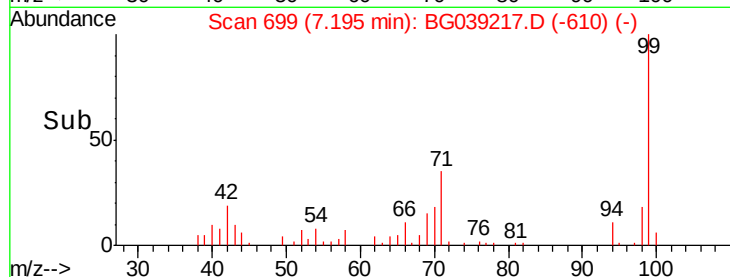
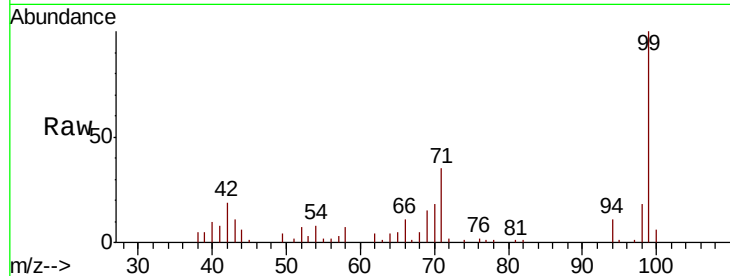
Tgt Ion: 94 Resp: 3789

Ion Ratio Lower Upper

94 100

65 46.1 10.3 50.3

66 97.1 25.1 65.1#



#15

Benzyl Alcohol

Concen: 2.128 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.07 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

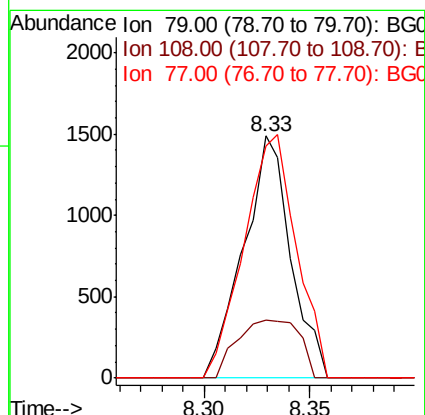
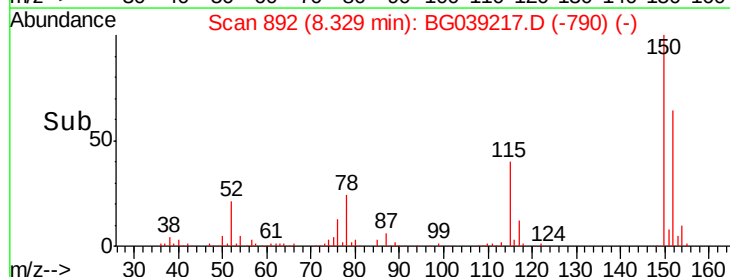
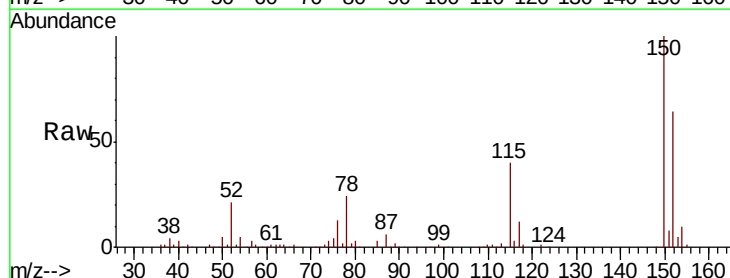
Tgt Ion: 79 Resp: 2318

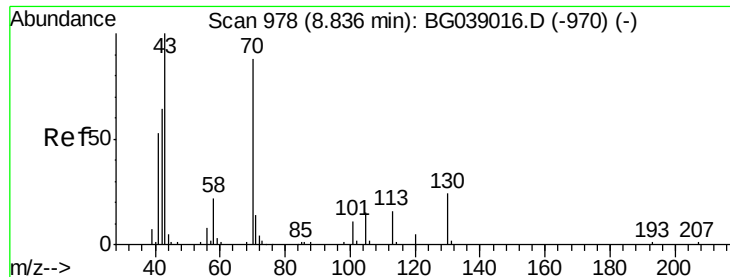
Ion Ratio Lower Upper

79 100

108 24.1 62.0 93.0#

77 96.0 50.1 75.1#

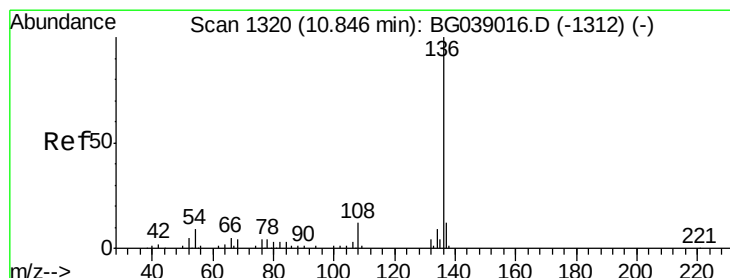
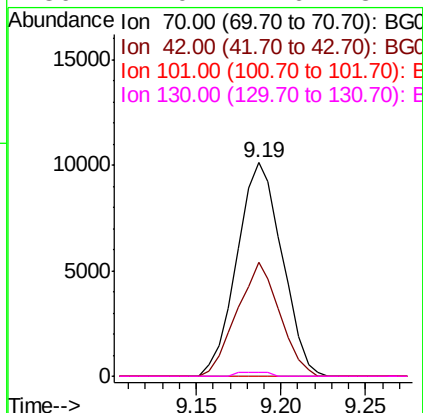
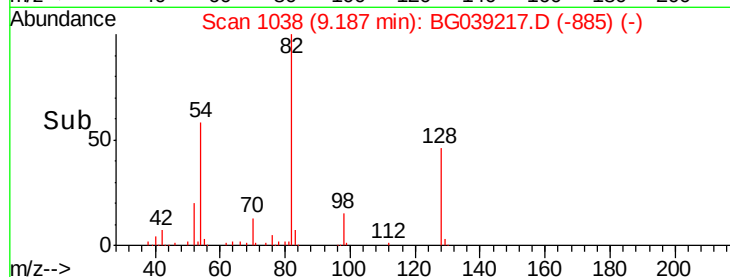
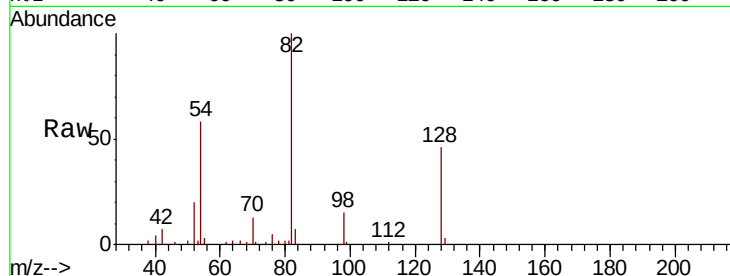




#19
n-Nitroso-di-n-propylamine
Concen: 19.707 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.37 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

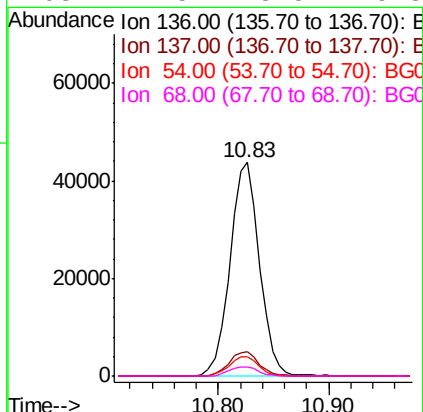
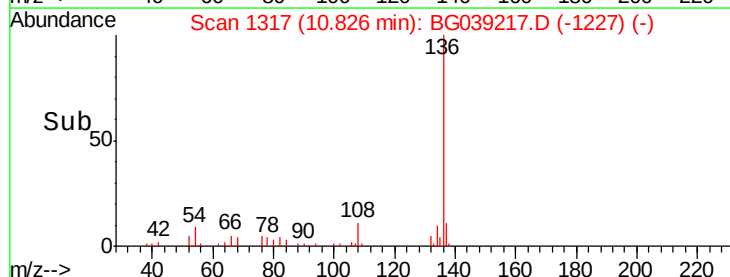
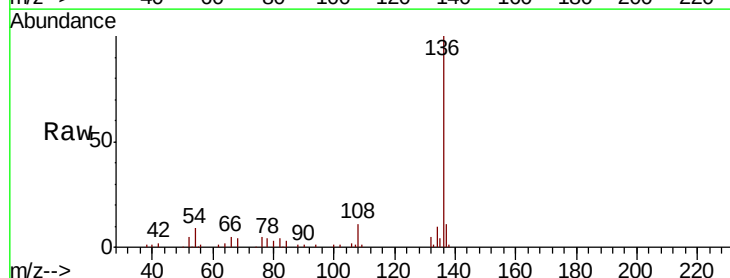
Instrument :
BNA_G
ClientSampleId :
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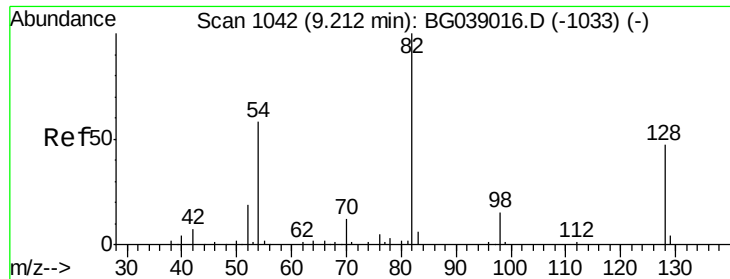
Tgt Ion: 70 Resp: 18721
Ion Ratio Lower Upper
70 100
42 53.4 59.0 88.4#
101 0.0 10.4 15.6#
130 2.0 21.6 32.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Tgt Ion: 136 Resp: 81698
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 8.8 7.2 10.8
68 4.5 3.5 5.3

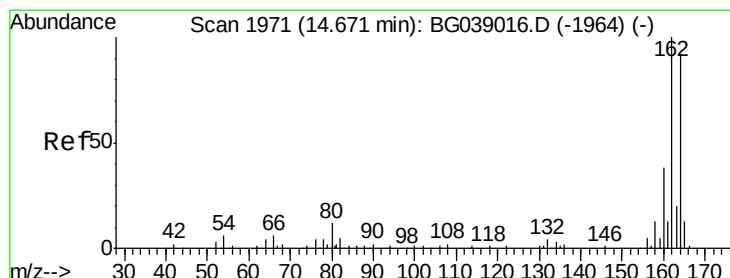
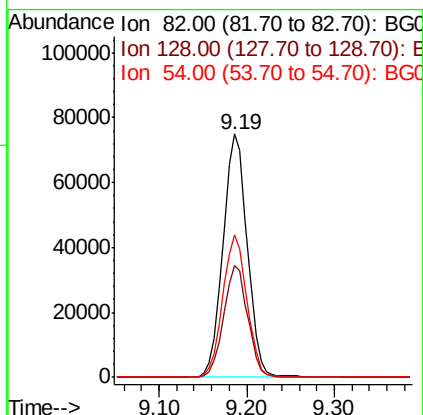
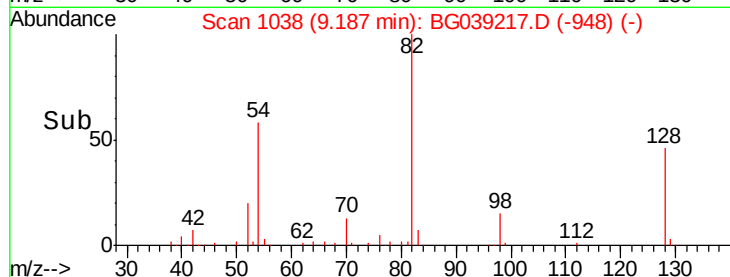
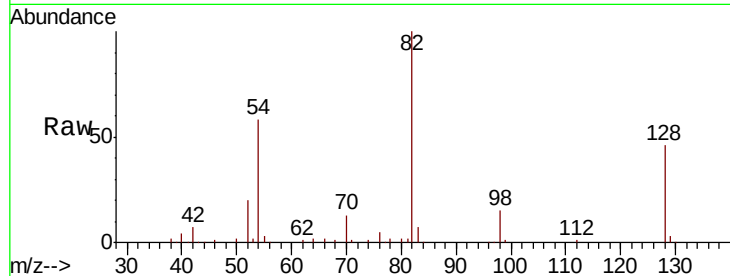




#23
 Nitrobenzene-d5
 Concen: 95.891 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

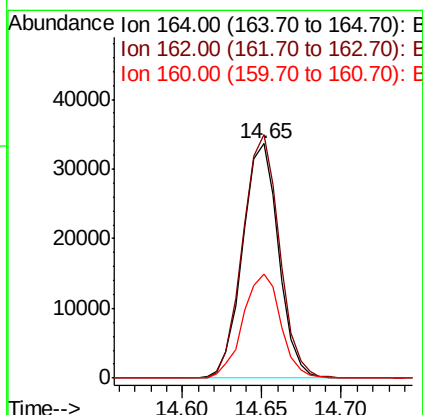
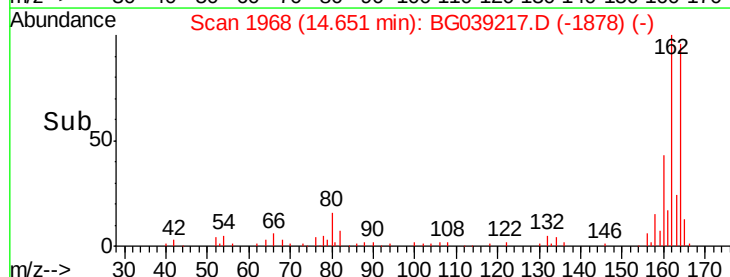
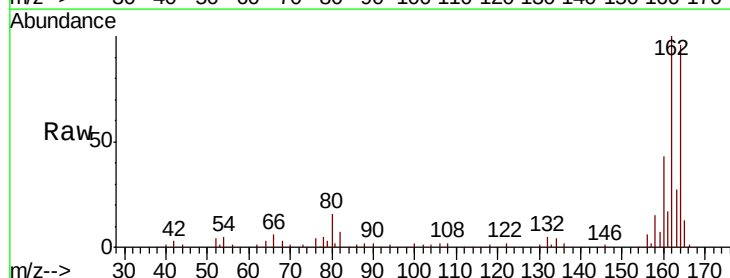
Instrument :
 BNA_G
 ClientSampleID :
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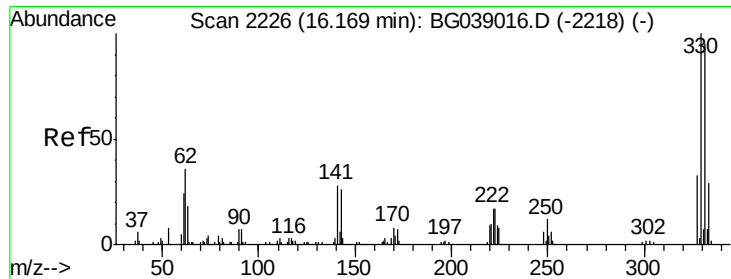
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.3	55.9
54	58.3	46.4	69.6



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	87.2	130.8
160	44.6	33.3	49.9

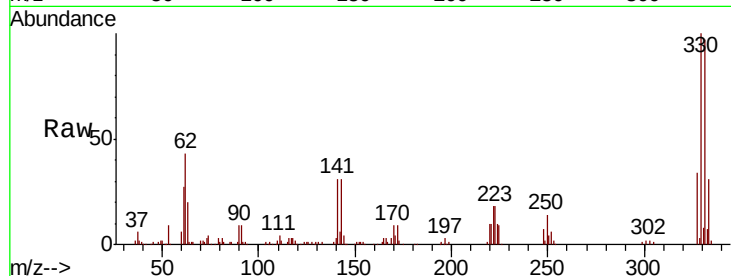




#42
 2,4,6-Tribromophenol
 Concen: 136.916 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

Instrument :
 BNA_G
 ClientSampleId :
 WC-06-011519

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.7	113.5
141	32.0	24.9	37.3

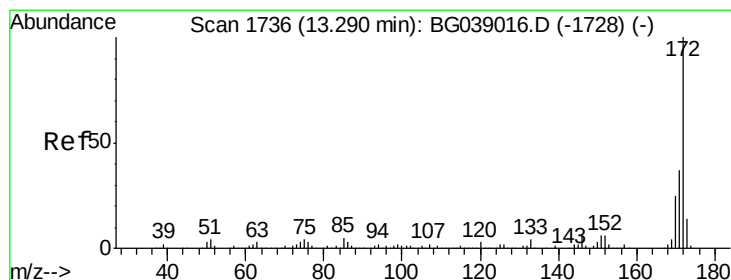
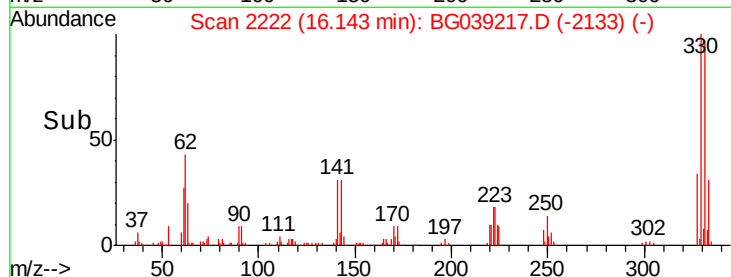
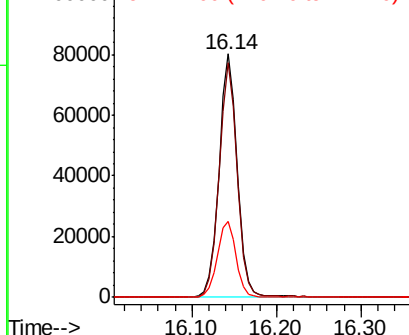


Abundance

Ion 329.80 (329.50 to 330.50): E

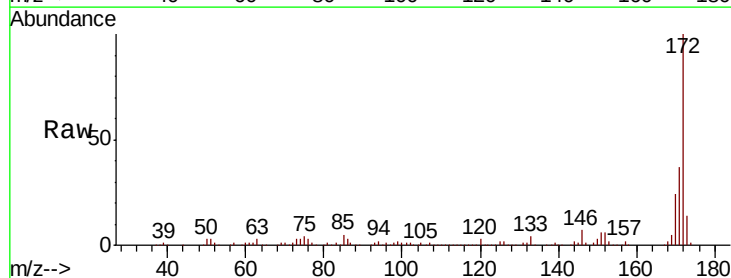
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 113.263 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.2	20.1	30.1

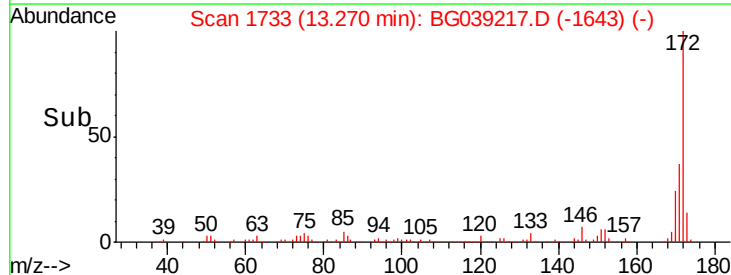
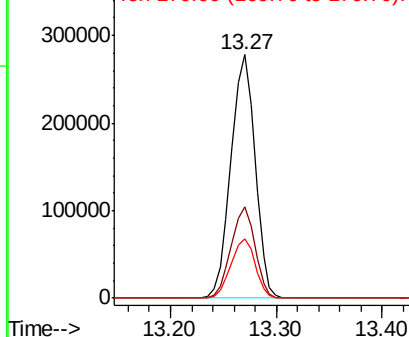


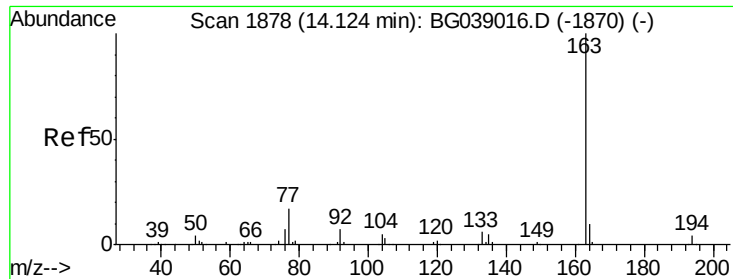
Abundance

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

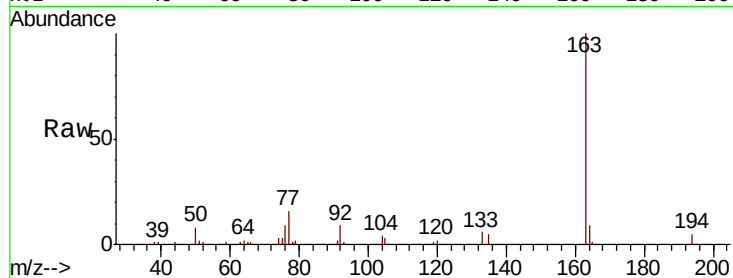




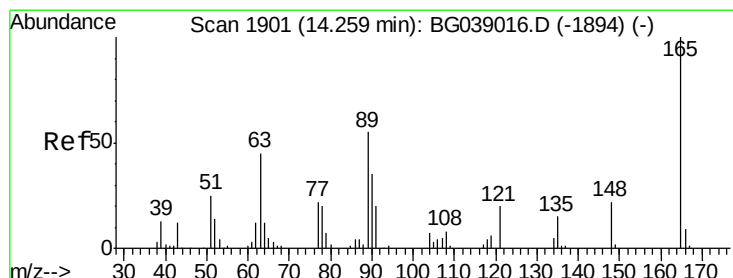
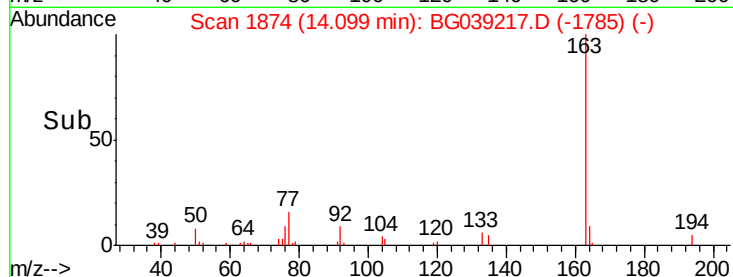
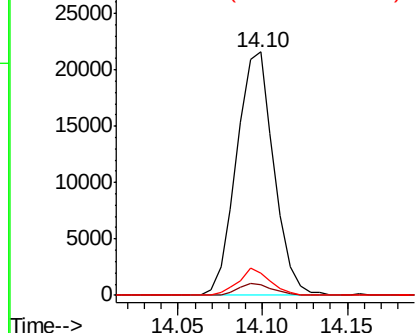
#50
Dimethylphthalate
Concen: 7.396 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Instrument :
BNA_G
ClientSampleId :
WC-06-011519

Tgt Ion:163 Resp: 33155
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 9.1 8.2 12.2

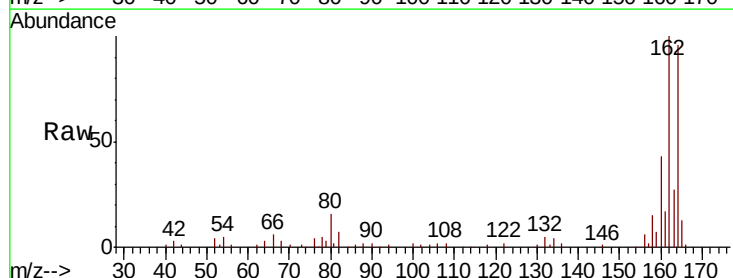


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

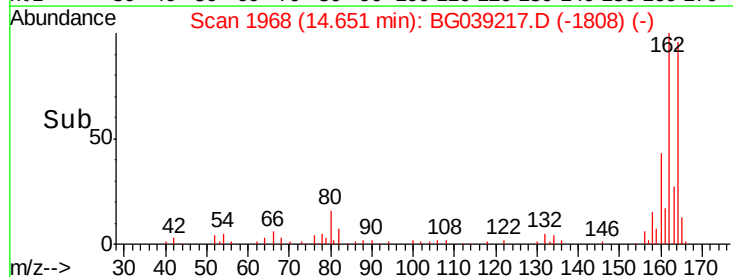
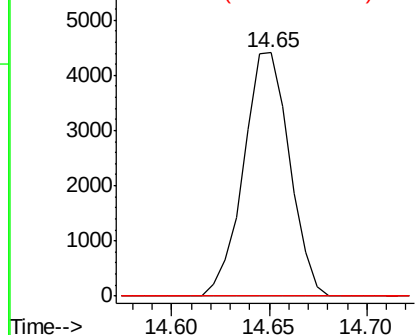


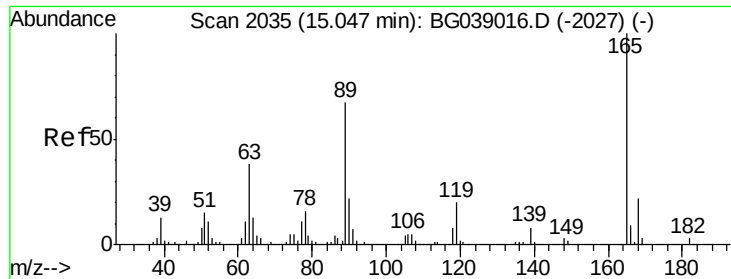
#51
2,6-Dinitrotoluene
Concen: 7.169 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.41 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Tgt Ion:165 Resp: 7185
Ion Ratio Lower Upper
165 100
63 0.0 43.6 65.4#
89 0.0 43.7 65.5#



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: 4.997 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.38 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

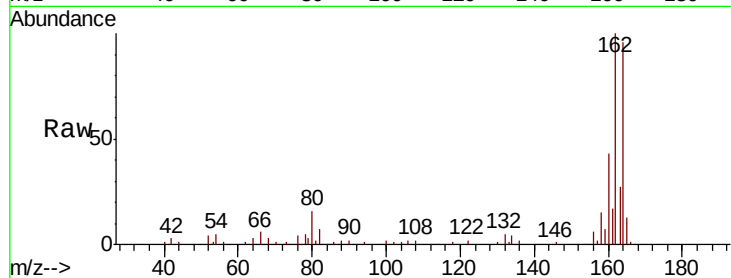
Instrument :

BNA_G

ClientSampleId :

WC-06-011519

Tgt Ion:	165	Resp:	7185
Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.2	45.4#
89	0.0	53.2	79.8#
182	0.0	2.7	4.1#

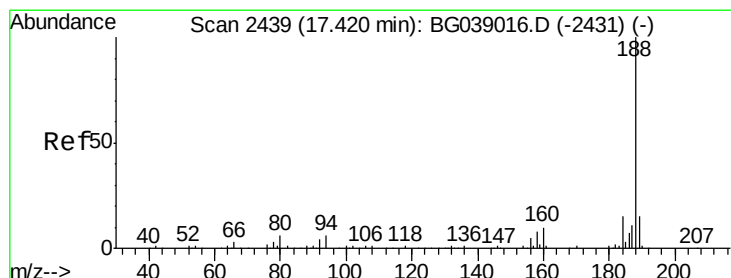
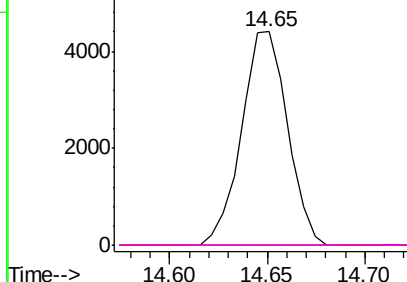
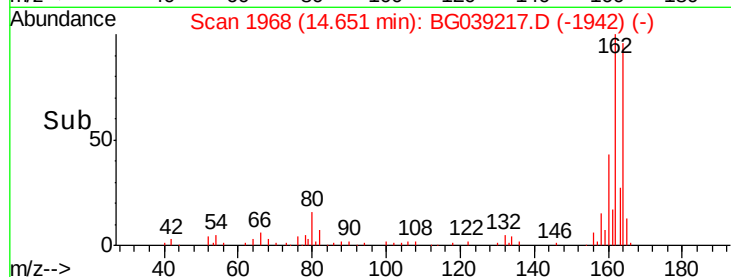


Abundance Ion 165.00 (164.70 to 165.70): E

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

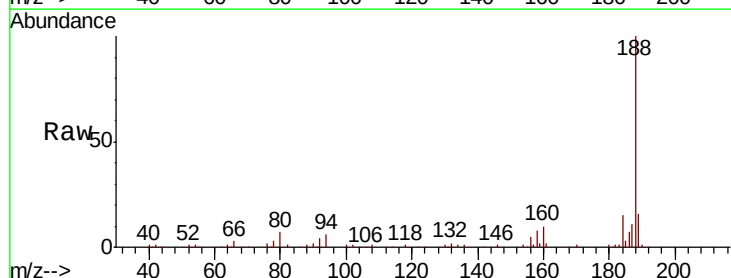
RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

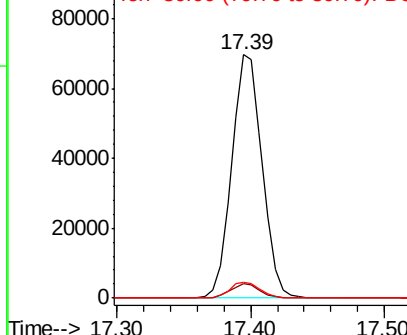
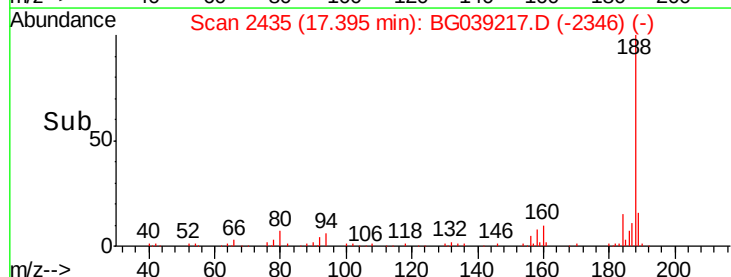
Tgt Ion:	188	Resp:	109992
Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.0	7.4
80	6.5	4.7	7.1

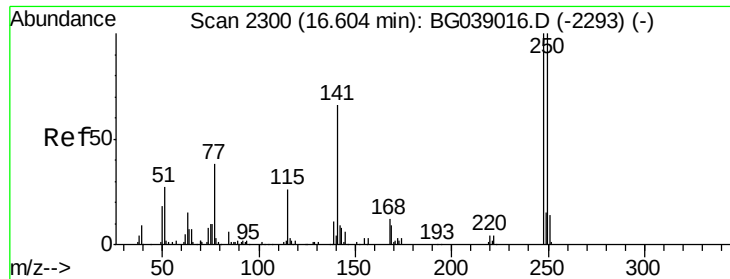


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

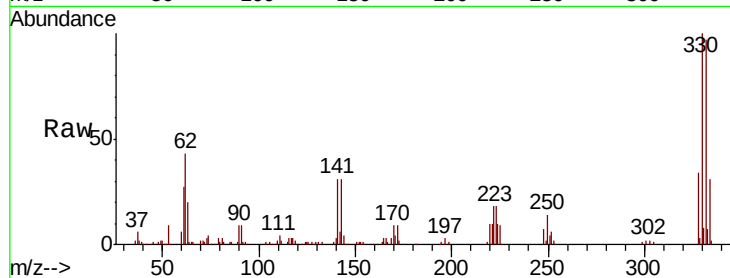




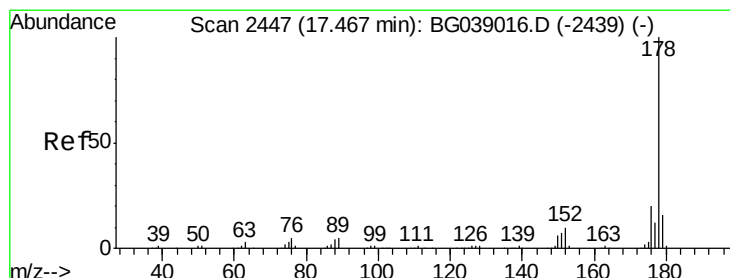
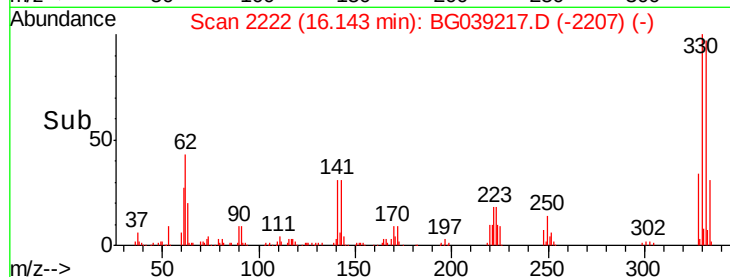
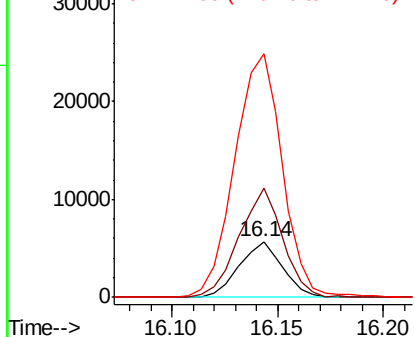
#67
 4-Bromophenyl-phenylether
 Concen: 5.692 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.44 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

Instrument :
 BNA_G
 ClientSampleId :
 WC-06-011519

Tgt Ion:248 Resp: 8048
 Ion Ratio Lower Upper
 248 100
 250 197.1 79.9 119.9#
 141 341.3 52.7 79.1#

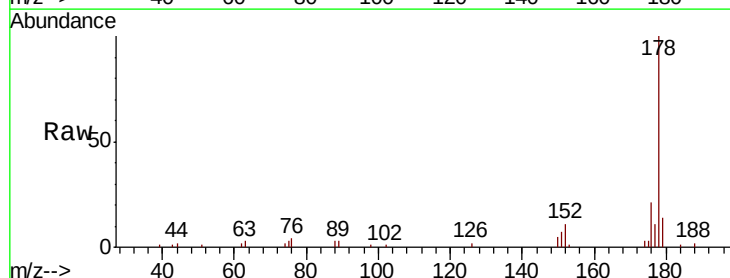


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

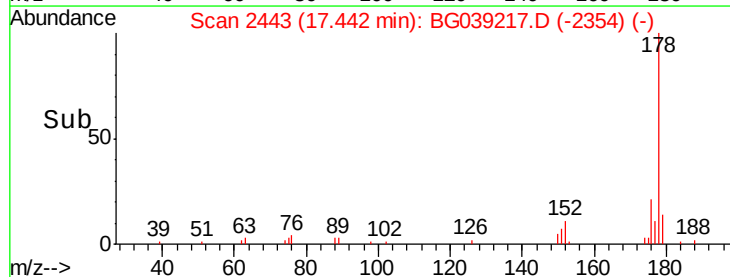
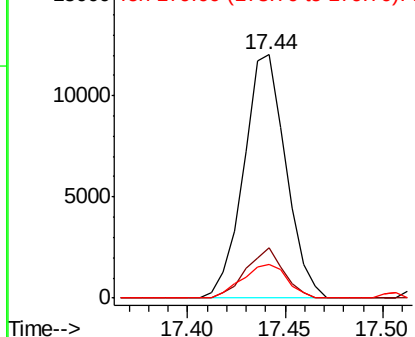


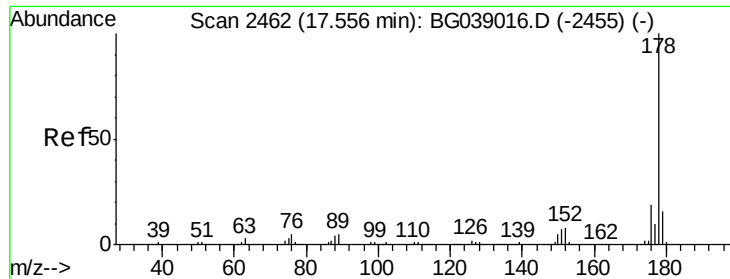
#71
 Phenanthrene
 Concen: 3.094 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

Tgt Ion:178 Resp: 17986
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.7 23.5
 179 14.0 12.9 19.3



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





#72

Anthracene

Concen: 3.129 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.10 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

Instrument :

BNA_G

ClientSampleId :

WC-06-011519

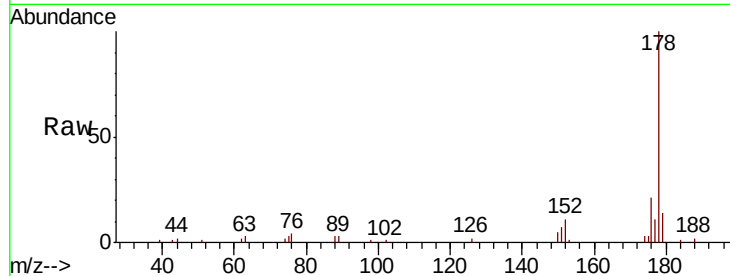
Tgt Ion:178 Resp: 17986

Ion Ratio Lower Upper

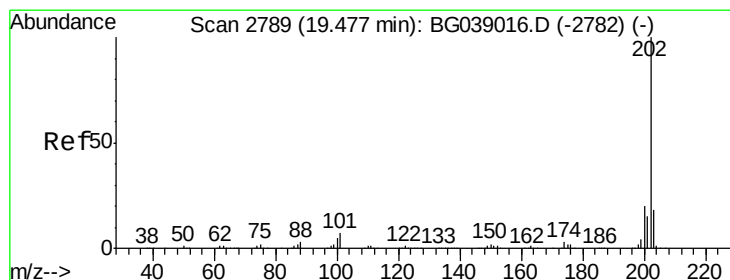
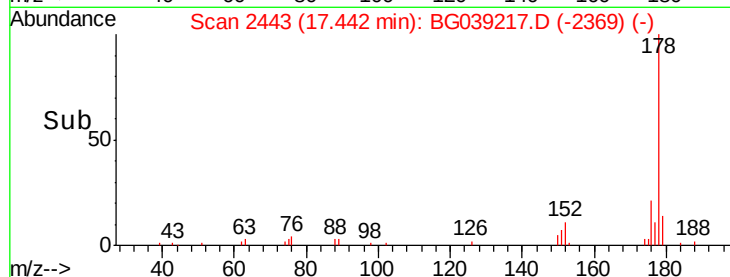
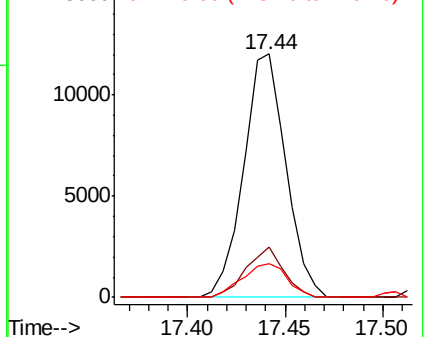
178 100

176 20.7 14.9 22.3

179 14.0 13.0 19.4



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



#75

Fluoranthene

Concen: 5.469 ng

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

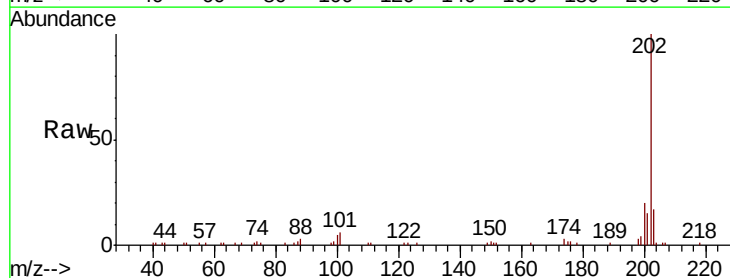
Tgt Ion:202 Resp: 39416

Ion Ratio Lower Upper

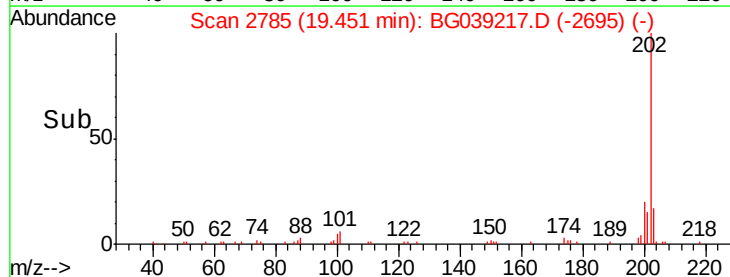
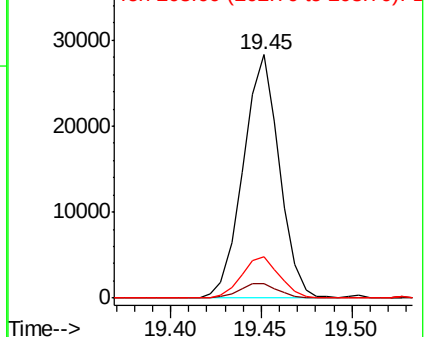
202 100

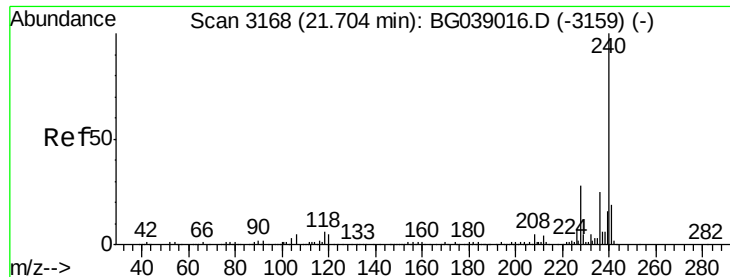
101 5.8 0.0 26.9

203 17.2 0.0 38.1



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

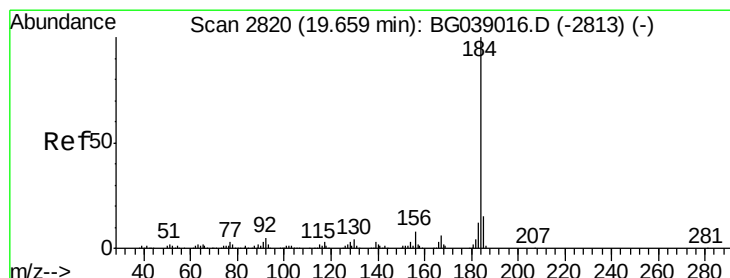
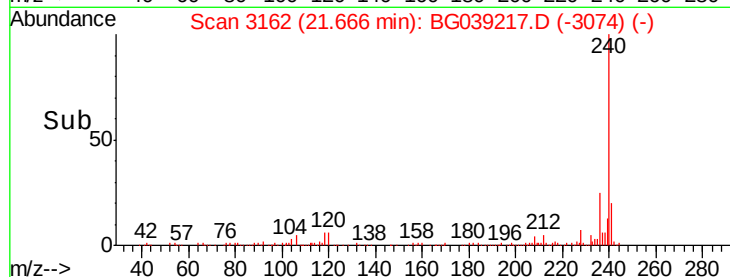
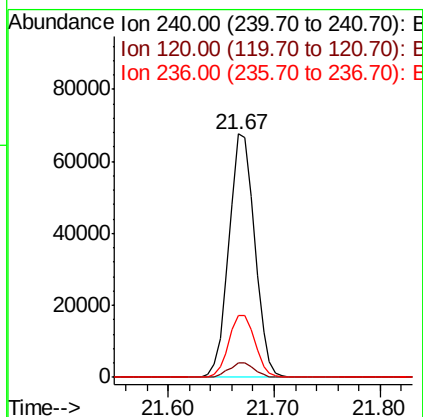
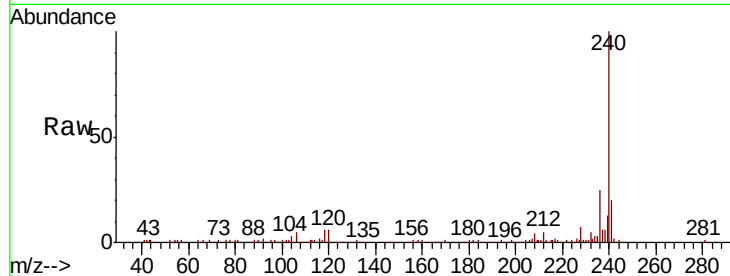




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.02 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

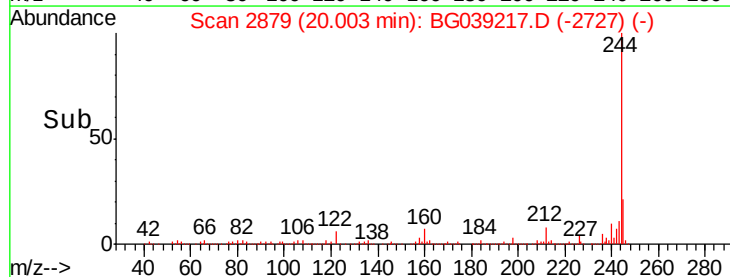
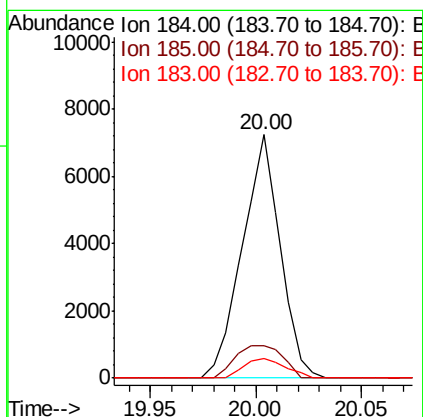
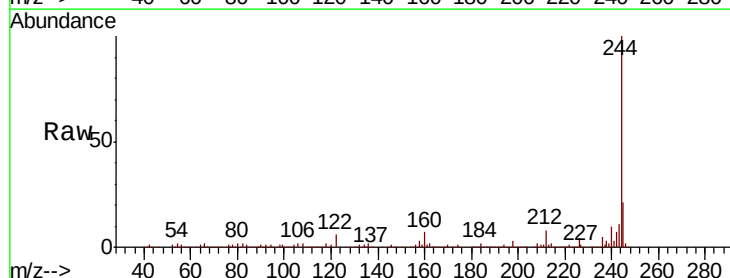
Instrument :
BNA_G
ClientSampleId :
WC-06-011519

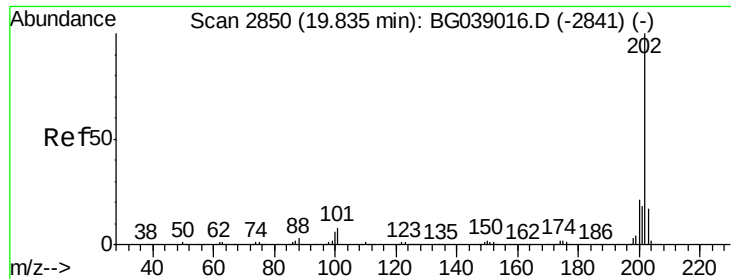
Tgt Ion:240 Resp: 113959
Ion Ratio Lower Upper
240 100
120 5.9 4.3 6.5
236 25.2 20.1 30.1



#77
Benzidine
Concen: 2.586 ng
RT: 20.00 min Scan# 2879
Delta R.T. 0.36 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Tgt Ion:184 Resp: 9015
Ion Ratio Lower Upper
184 100
185 13.1 12.1 18.1
183 8.2 9.5 14.3#

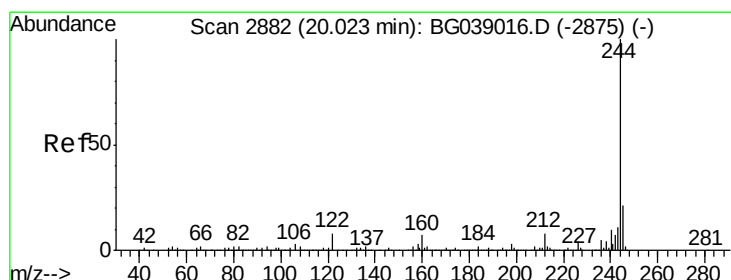
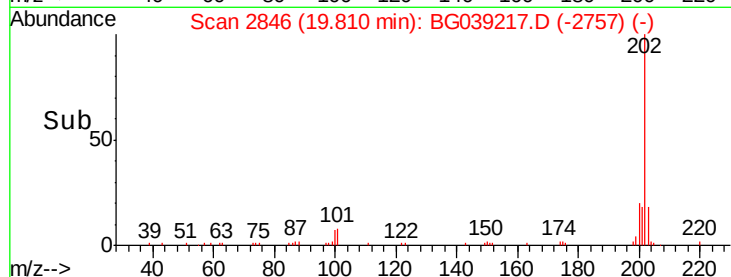
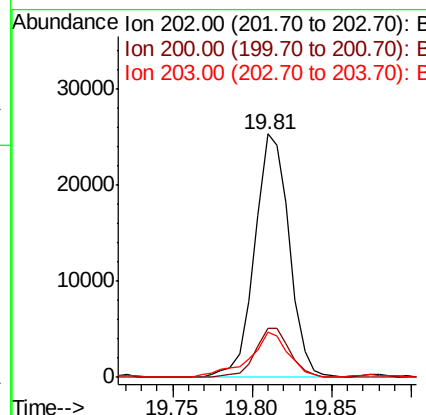
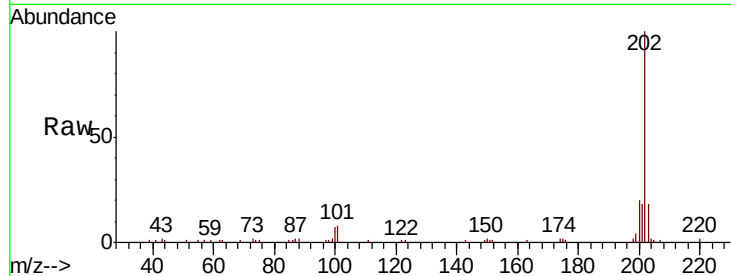




#78
Pyrene
Concen: 5.290 ng
RT: 19.81 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

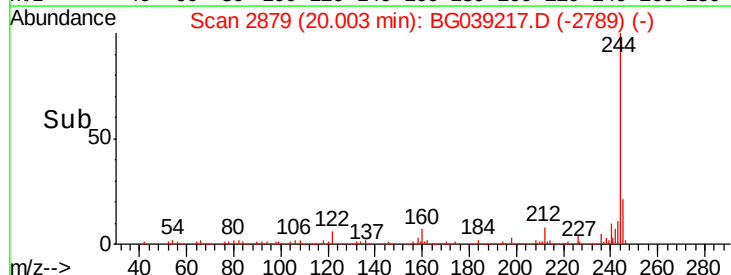
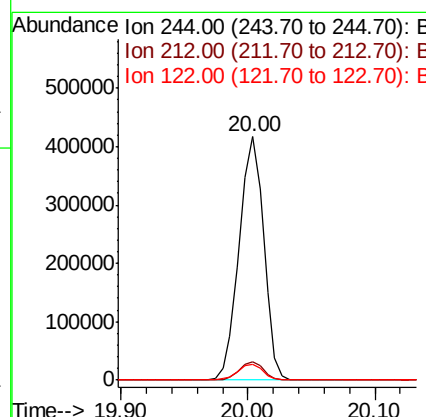
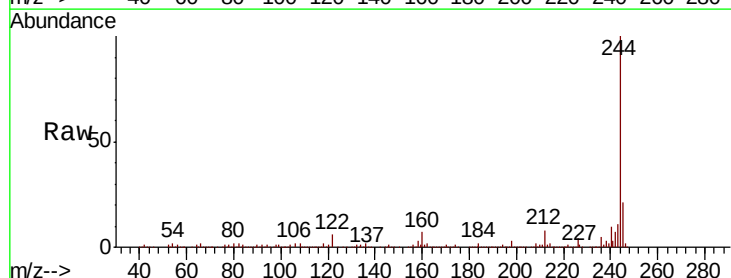
Instrument :
BNA_G
ClientSampleId :
WC-06-011519

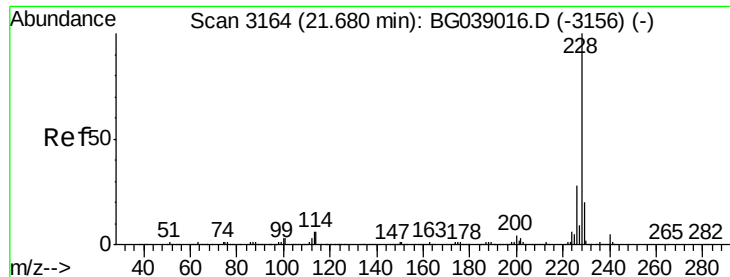
Tgt Ion: 202 Resp: 38419
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.6
203 18.3 14.0 21.0



#79
Terphenyl-d14
Concen: 90.750 ng
RT: 20.00 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Tgt Ion: 244 Resp: 559048
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 6.4 6.1 9.1





#81

Benzo(a)anthracene

Concen: 2.855 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG039217.D

Acq: 18 Jan 2019 15:55

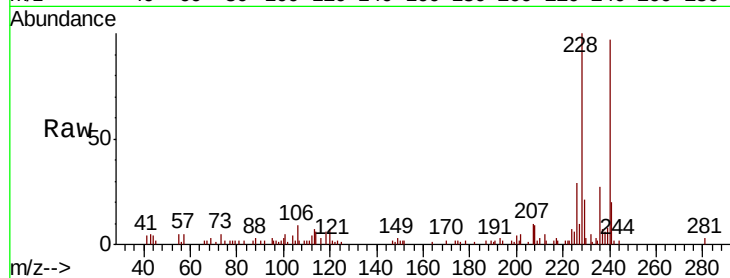
Instrument :

BNA_G

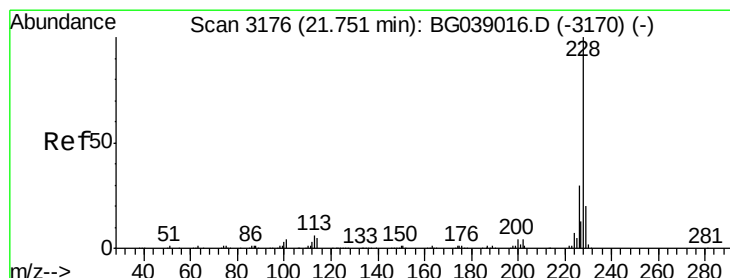
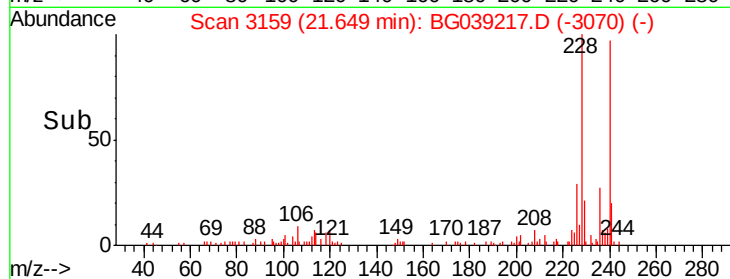
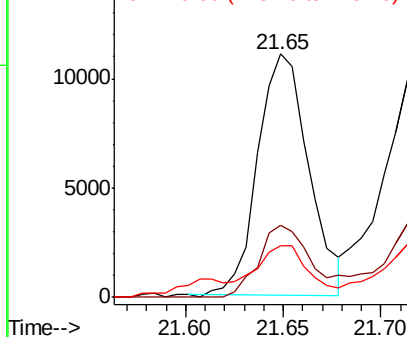
ClientSampleId :

WC-06-011519

Tgt Ion:	228	Resp:	19807
Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.4	33.6
229	21.1	16.2	24.2



Abundance Ion 228.00 (227.70 to 228.70): E
15000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.184 ng

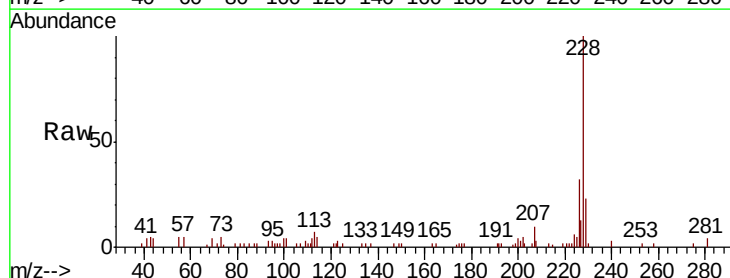
RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

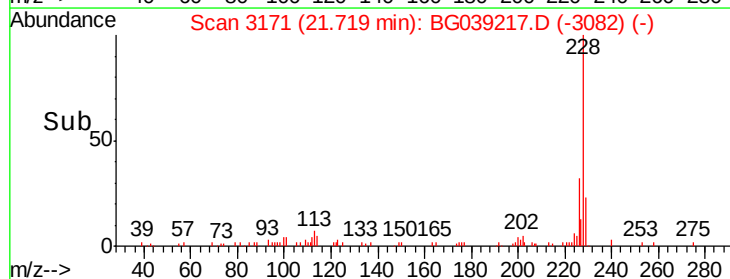
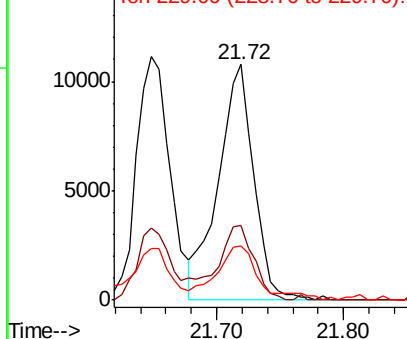
Lab File: BG039217.D

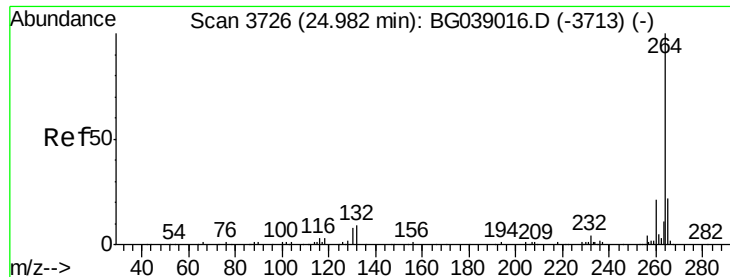
Acq: 18 Jan 2019 15:55

Tgt Ion:	228	Resp:	21011
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.1	36.1
229	22.9	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
15000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

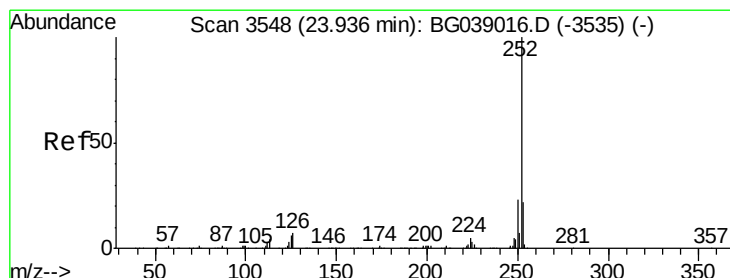
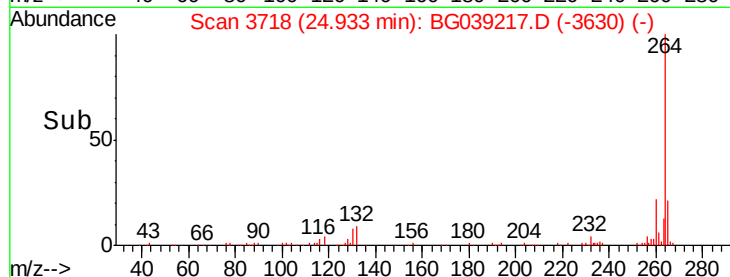
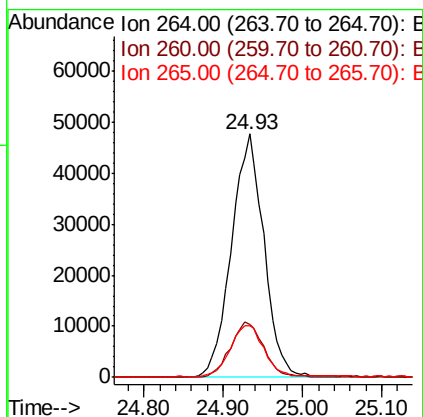
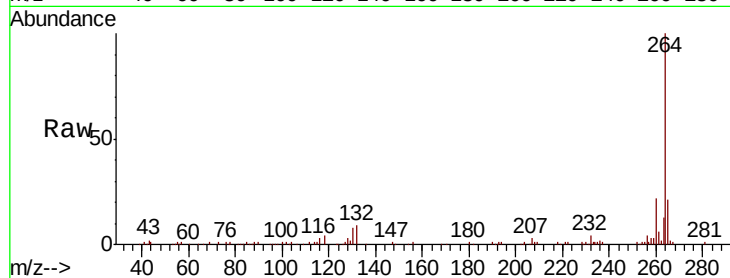




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3718
 Delta R.T. -0.02 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

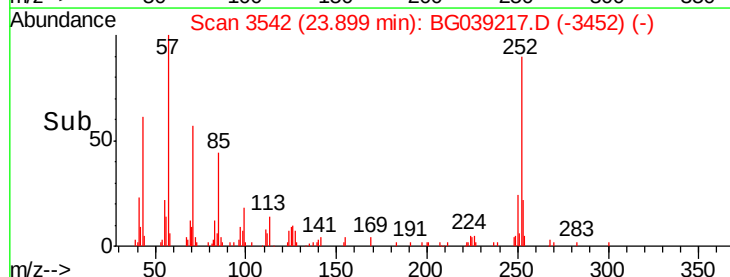
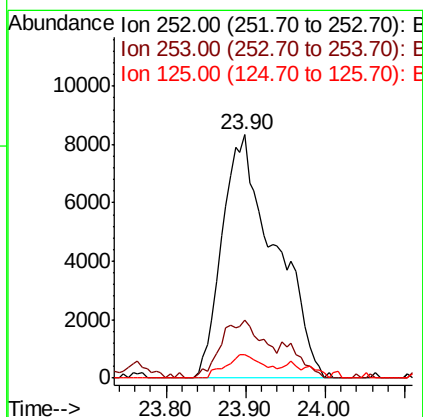
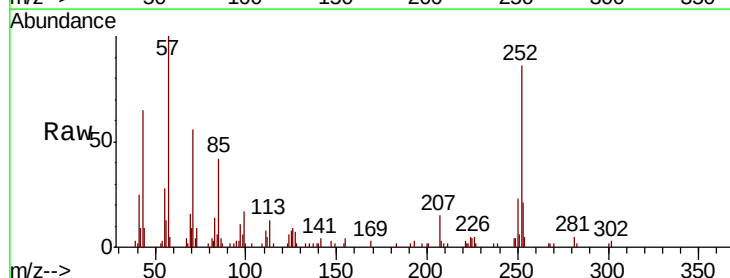
Instrument :
 BNA_G
 ClientSampleId :
 WC-06-011519

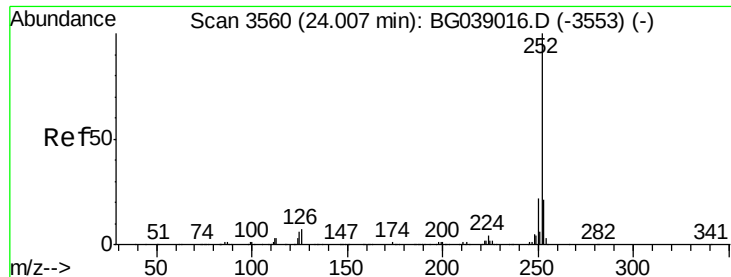
Tgt Ion: 264 Resp: 135479
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.0 25.6
 265 21.4 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 5.126 ng
 RT: 23.90 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: BG039217.D
 Acq: 18 Jan 2019 15:55

Tgt Ion: 252 Resp: 38289
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.8 26.6
 125 9.8 4.9 7.3#

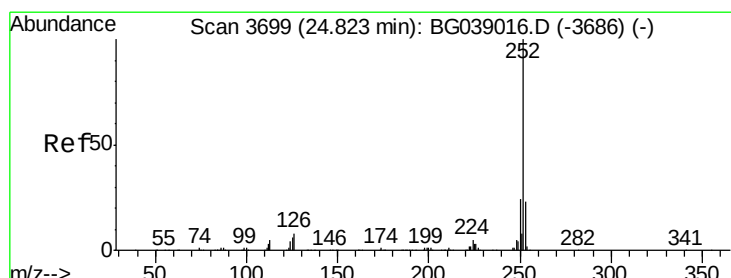
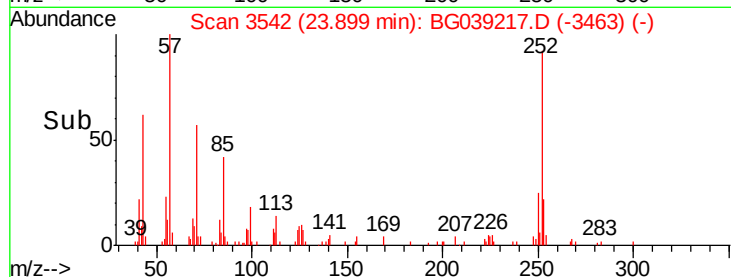
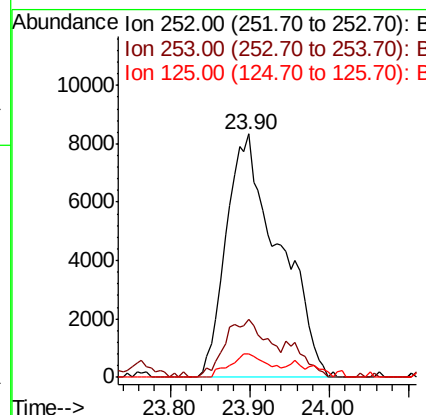
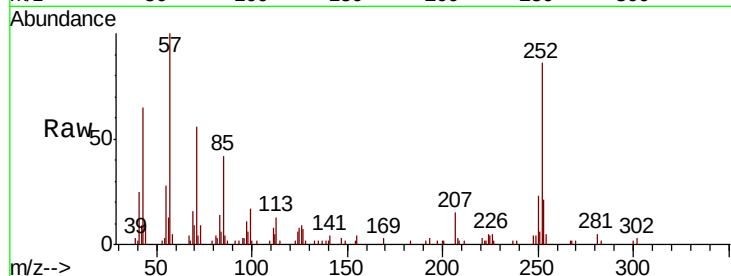




#89
Benzo(k)fluoranthene
Concen: 5.184 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.07 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Instrument :
BNA_G
ClientSampleId :
WC-06-011519

Tgt Ion:252 Resp: 38289
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 9.8 4.6 7.0#



#90
Benzo(a)pyrene
Concen: 2.827 ng
RT: 24.77 min Scan# 3691
Delta R.T. -0.02 min
Lab File: BG039217.D
Acq: 18 Jan 2019 15:55

Tgt Ion:252 Resp: 20414
Ion Ratio Lower Upper
252 100
253 22.2 18.3 27.5
125 7.4 4.9 7.3#

