

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
 Data File : BG041166.D
 Acq On : 10 Jun 2019 17:00
 Operator : HP/JU
 Sample : K3250-02RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHIMNEY-1

Quant Time: Jun 10 17:37:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	53914	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	216274	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	136251	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	316011	20.00	ng	0.00
76) Chrysene-d12	21.76	240	329130	20.00	ng	0.00
87) Perylene-d12	25.10	264	332078	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	173834	58.14	ng	0.00
7) Phenol-d6	7.25	99	248859	53.89	ng	0.00
23) Nitrobenzene-d5	9.28	82	173992	35.71	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	108287	53.53	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	373308	39.46	ng	0.00
79) Terphenyl-d14	20.08	244	596029	38.43	ng	0.00

Target Compounds

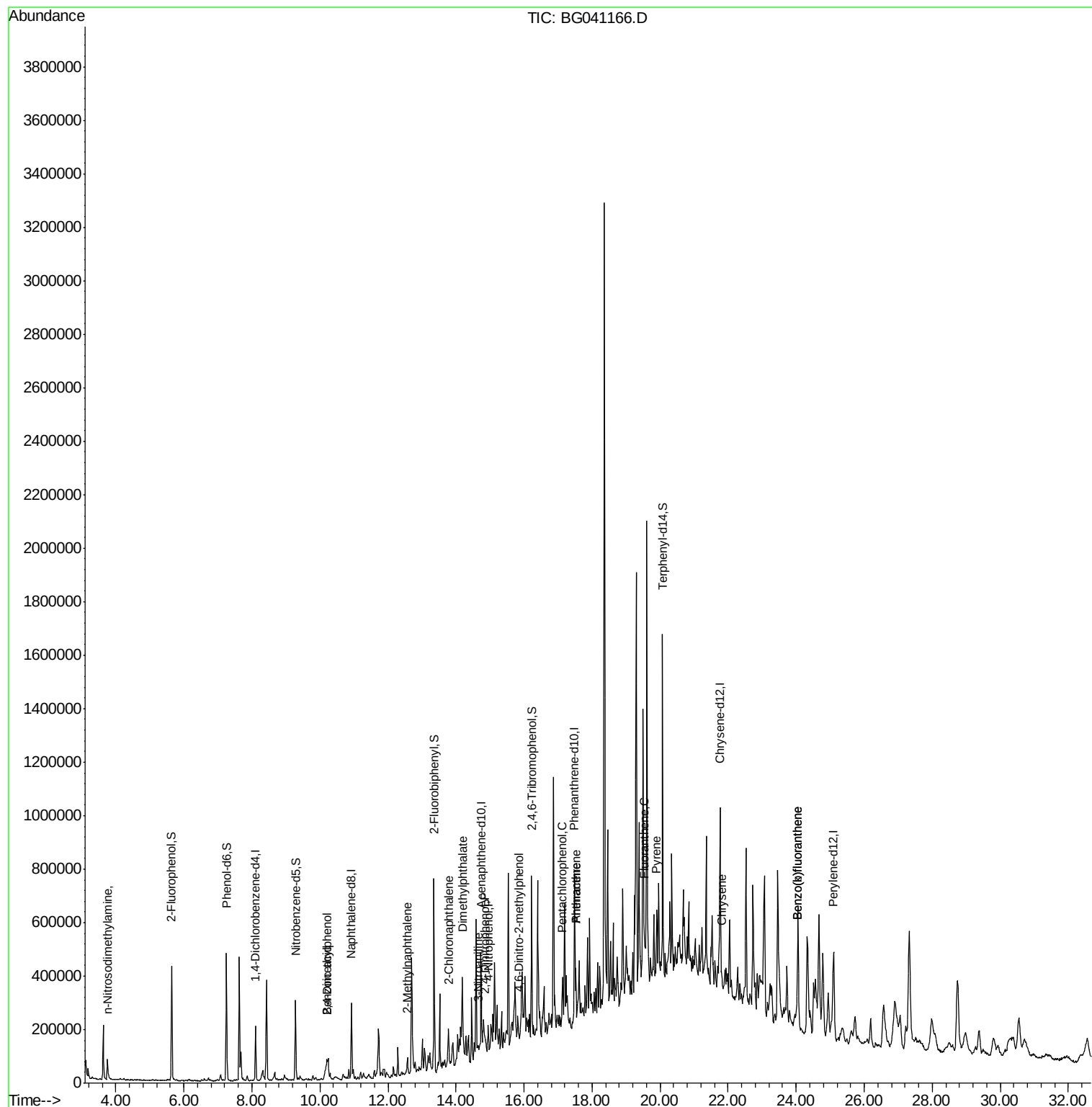
						Qvalue
4) n-Nitrosodimethylamine	3.75	42	5131	2.754	ng	# 1
27) 2,4-Dimethylphenol	10.21	122	38646	11.433	ng	# 1
32) Benzoic acid	10.21	122	38646	20.343	ng	97
37) 2-Methylnaphthalene	12.57	142	26754	2.992	ng	88
47) 2-Chloronaphthalene	13.79	162	20068	2.318	ng	# 47
50) Dimethylphthalate	14.18	163	24477	2.122	ng	# 96
53) 3-Nitroaniline	14.64	138	15690	6.310	ng	# 9
54) 2,4-Dinitrophenol	14.85	184	3399	11.520	ng	# 57
56) 4-Nitrophenol	14.95	139	25966	15.224	ng	96
65) 4,6-Dinitro-2-methylphenol	15.86	198	1320	9.230	ng	# 1
70) Pentachlorophenol	17.13	266	1172	4.712	ng	# 76
71) Phenanthrene	17.53	178	111434	6.770	ng	97
72) Anthracene	17.53	178	111434	6.864	ng	97
75) Fluoranthene	19.53	202	76501	3.763	ng	99
78) Pyrene	19.89	202	70093	3.276	ng	96
83) Chrysene	21.81	228	53138	2.534	ng	# 93
88) Benzo(b)fluoranthene	24.03	252	80354	3.989	ng	# 95
89) Benzo(k)fluoranthene	24.03	252	80354	4.031	ng	# 93

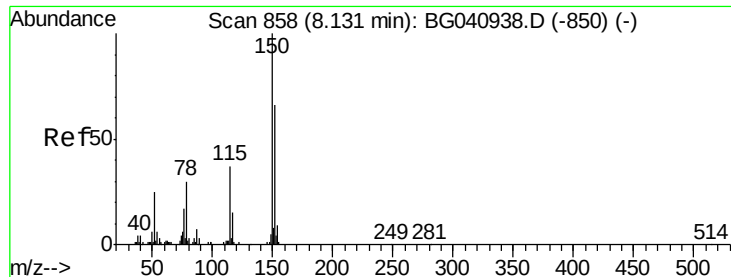
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

Instrument :

BNA_G

ClientSampleId :

CHIMNEY-1

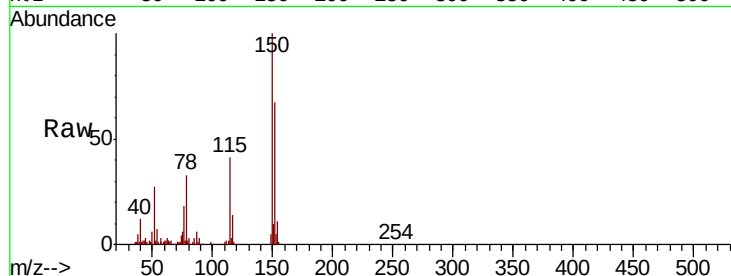
Tot Ion:152 Resp: 53914

Ion Ratio Lower Upper

152 100

150 149.9 120.6 180.8

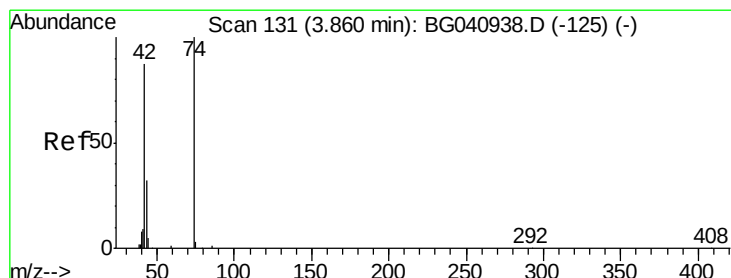
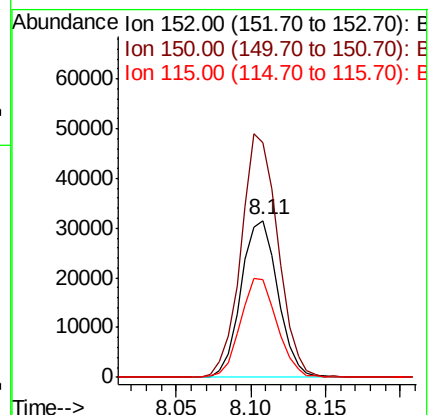
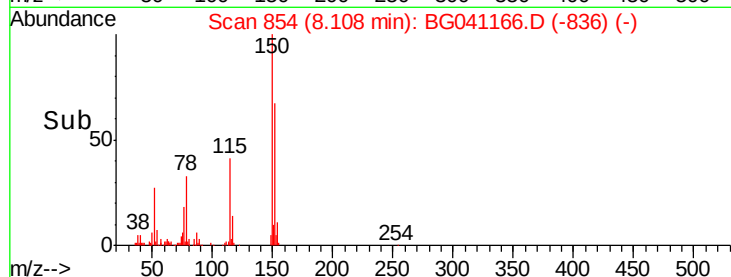
115 62.0 45.1 67.7



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



#4

n-Nitrosodimethylamine

Concen: 2.754 ng

RT: 3.75 min Scan# 112

Delta R.T. -0.09 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

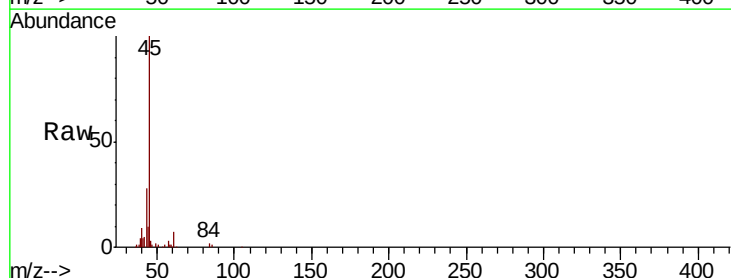
Tgt Ion: 42 Resp: 5131

Ion Ratio Lower Upper

42 100

74 0.0 91.8 137.6#

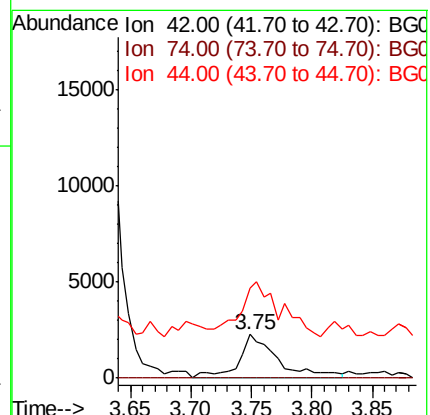
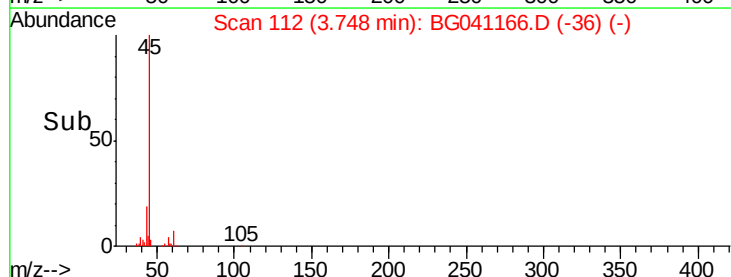
44 206.6 6.0 9.0#

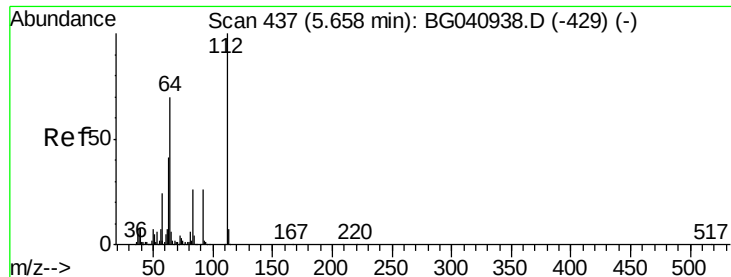


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 58.141 ng

RT: 5.65 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

Instrument :

BNA_G

ClientSampleId :

CHIMNEY-1

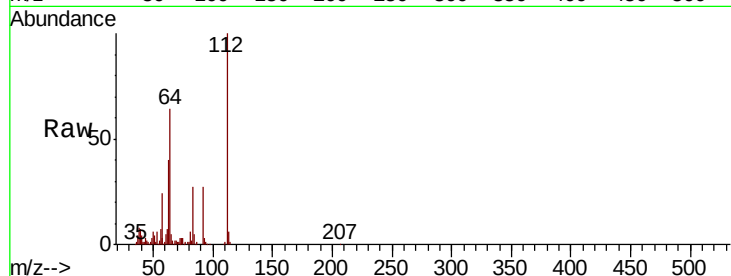
Tot Ion:112 Resp: 173834

Ion Ratio Lower Upper

112 100

64 64.4 56.2 84.2

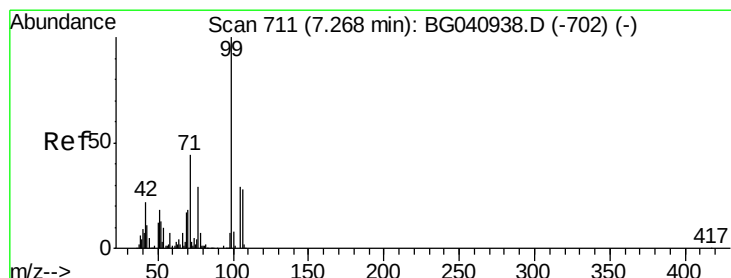
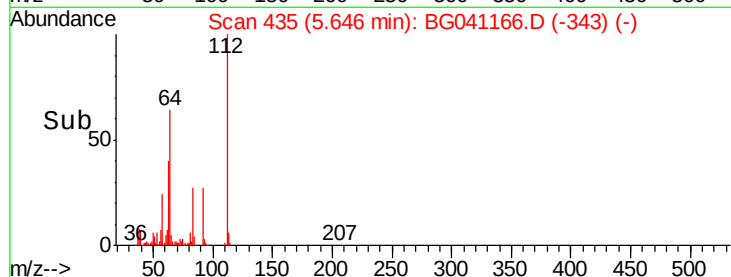
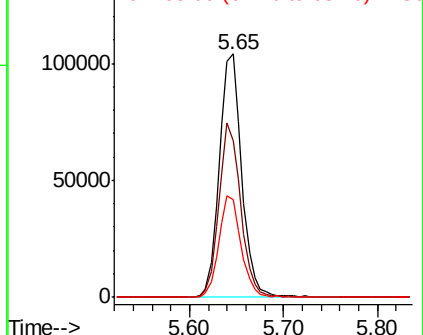
63 40.2 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 53.894 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

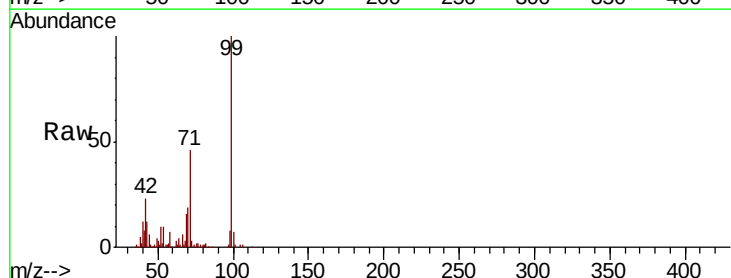
Tgt Ion: 99 Resp: 248859

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

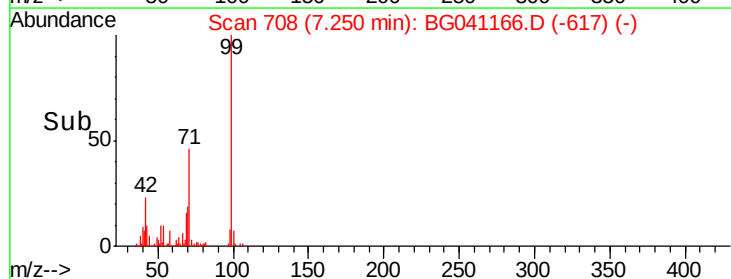
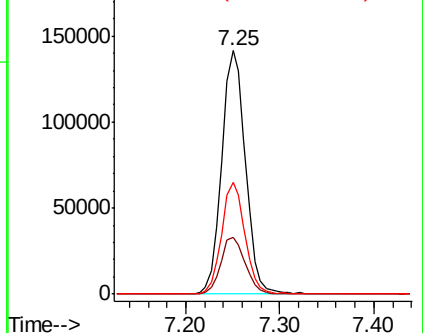
71 46.1 35.4 53.0

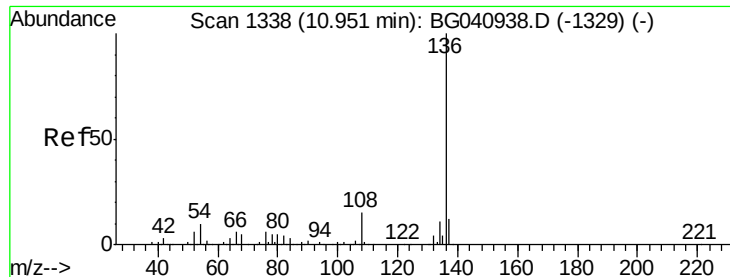


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

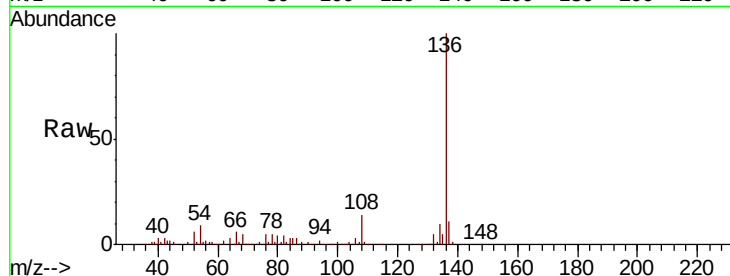




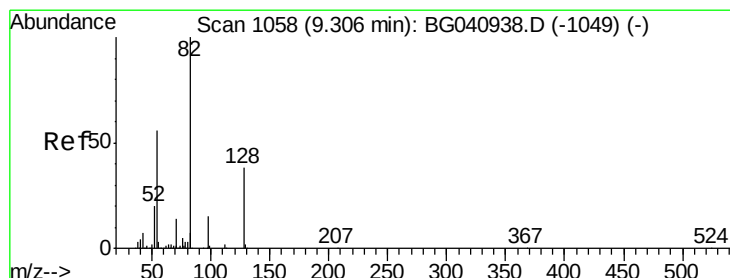
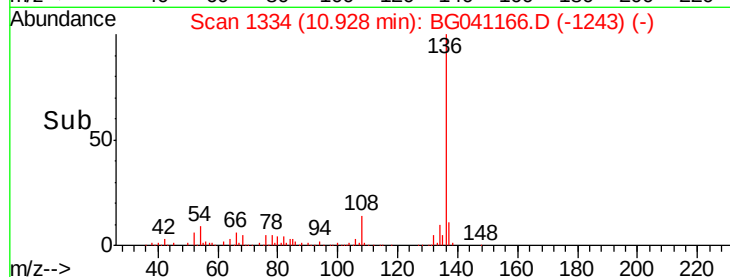
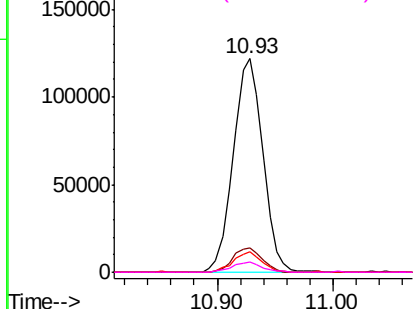
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

Tot Ion:136	Resp:	216274
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.5 14.3
54	9.3	7.6 11.4
68	4.8	3.9 5.9

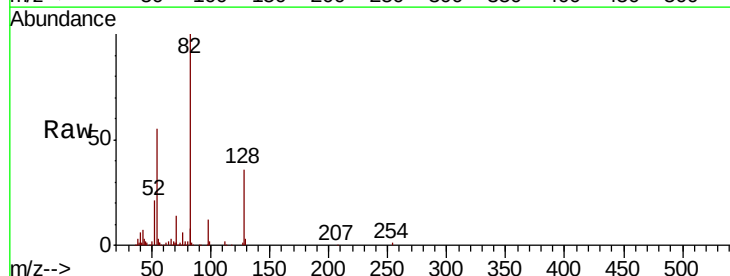


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

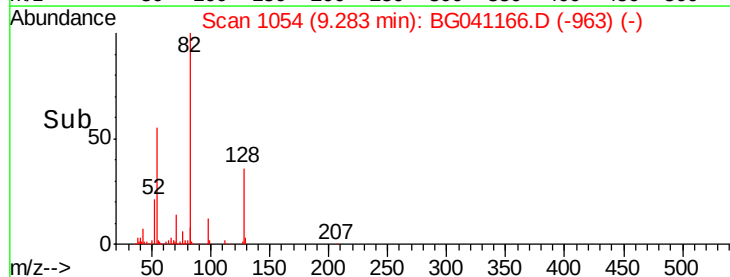
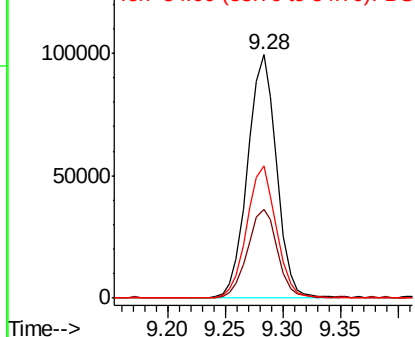


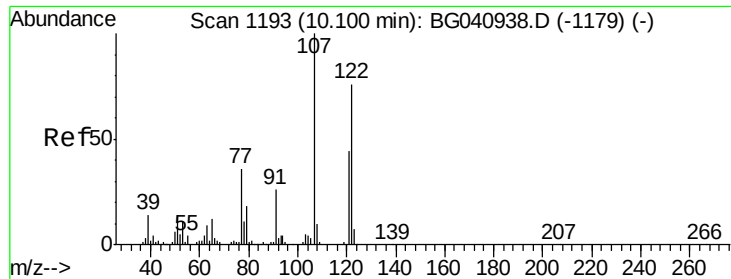
#23
Nitrobenzene-d5
Concen: 35.715 ng
RT: 9.28 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion: 82	Resp:	173992
Ion Ratio	Lower	Upper
82	100	
128	36.5	30.5 45.7
54	54.5	44.6 66.8



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

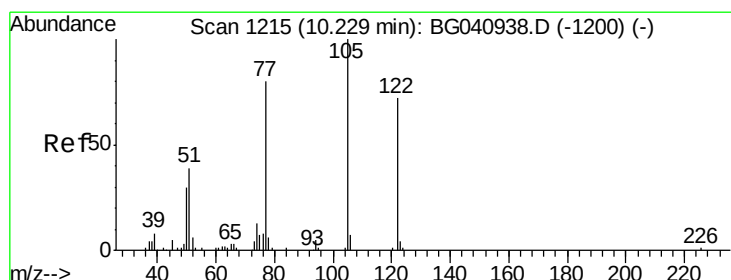
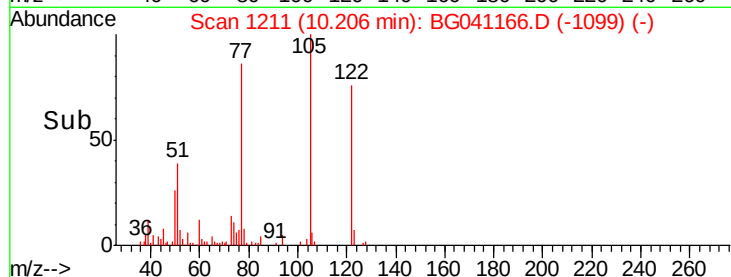
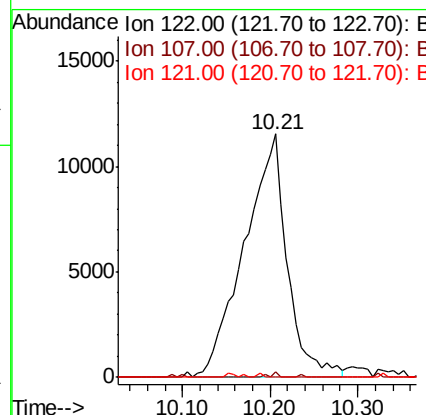
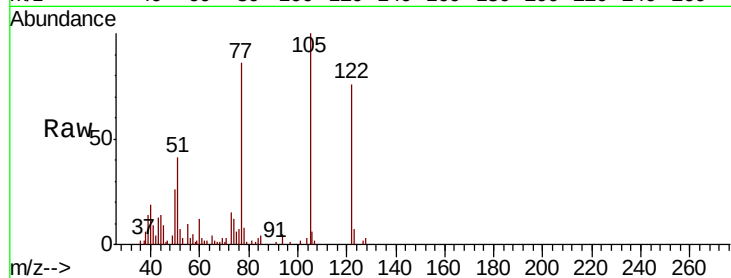




#27
2,4-Dimethylphenol
Concen: 11.433 ng
RT: 10.21 min Scan# 1211
Delta R.T. 0.13 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

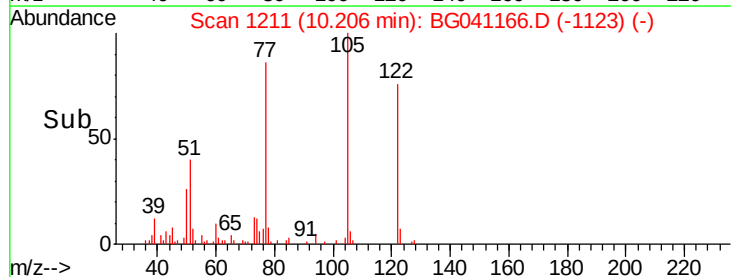
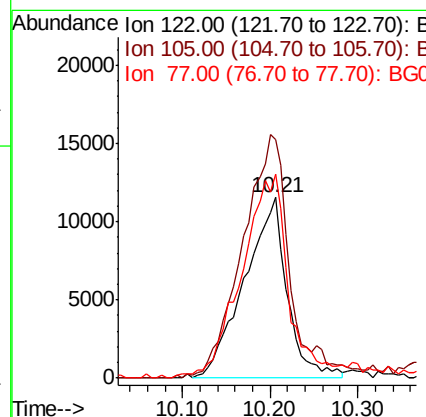
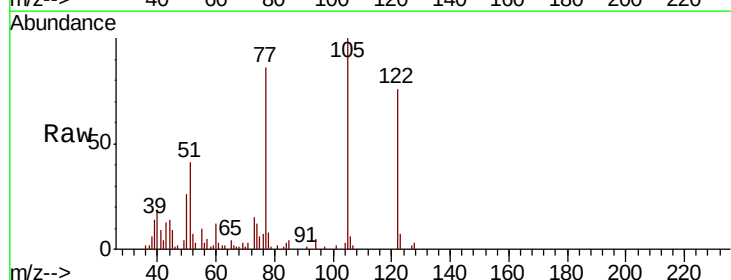
Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

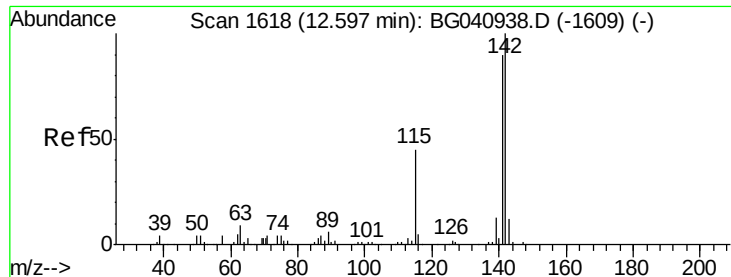
Tot Ion:122 Resp: 38646
Ion Ratio Lower Upper
122 100
107 2.1 105.9 158.9#
121 0.0 46.2 69.4#



#32
Benzoic acid
Concen: 20.343 ng
RT: 10.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion:122 Resp: 38646
Ion Ratio Lower Upper
122 100
105 132.1 114.8 154.8
77 113.1 89.9 129.9

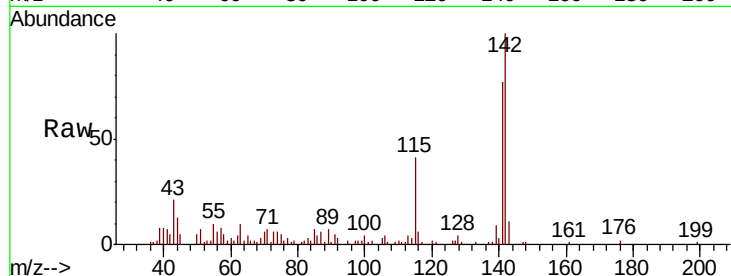




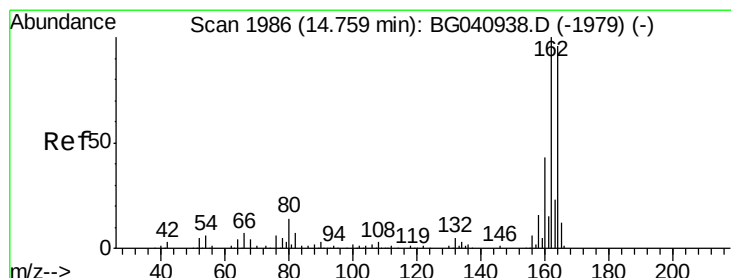
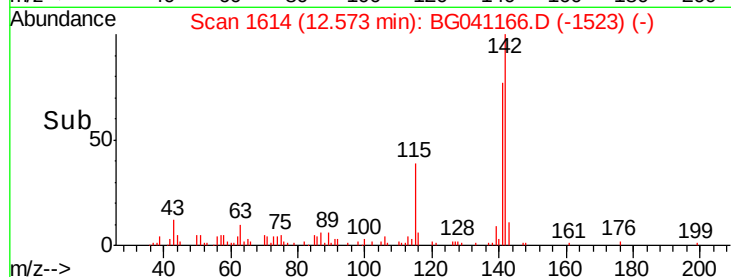
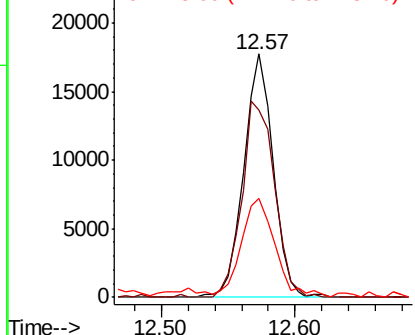
#37
2-Methylnaphthalene
Concen: 2.992 ng
RT: 12.57 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

Tot Ion:142 Resp: 26754
Ion Ratio Lower Upper
142 100
141 77.1 72.2 108.4
115 40.8 36.2 54.4

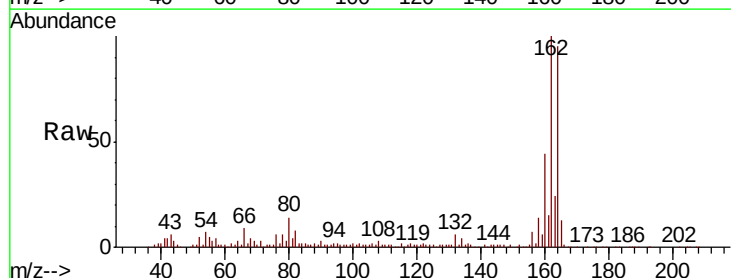


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

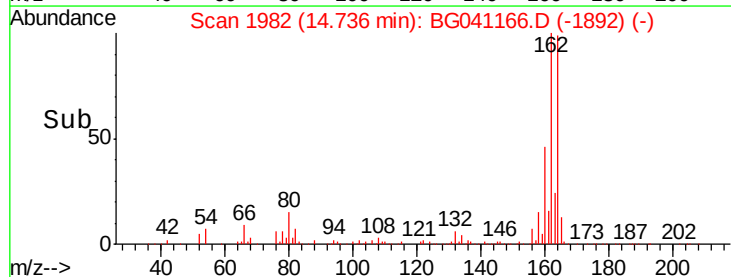
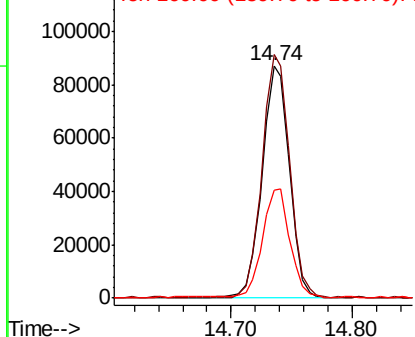


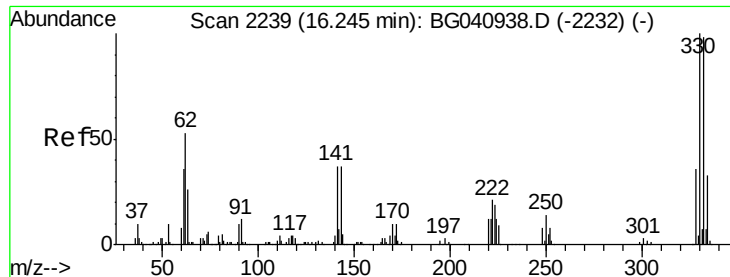
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion:164 Resp: 136251
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.4
160 46.4 35.6 53.4



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

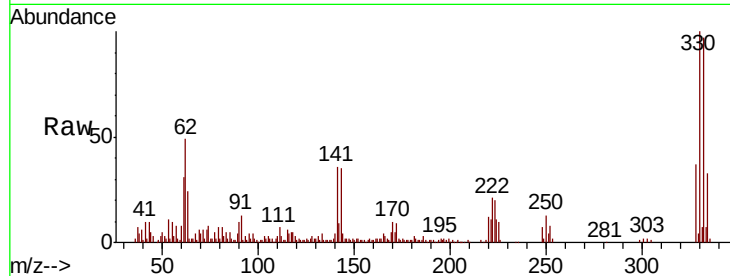




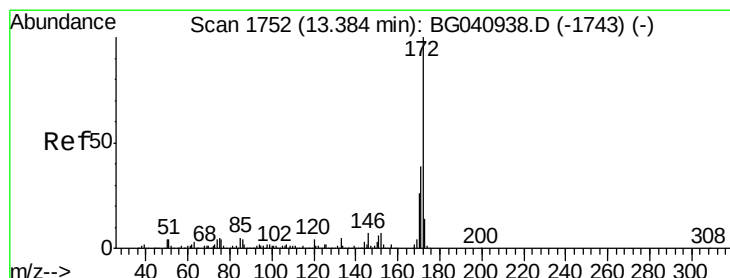
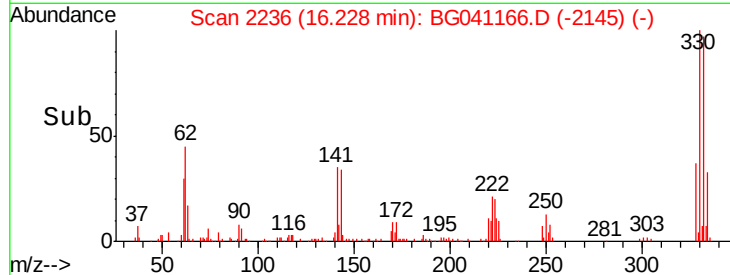
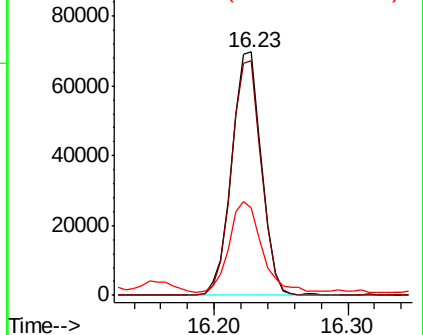
#42
 2,4,6-Tribromophenol
 Concen: 53.535 ng
 RT: 16.23 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BG041166.D
 Acq: 10 Jun 2019 17:00

Instrument :
 BNA_G
 ClientSampleId :
 CHIMNEY-1

Tot Ion:330 Resp: 108287
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.5 117.7
 141 40.5 28.7 43.1

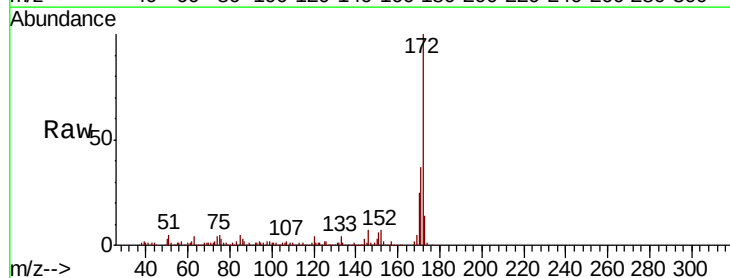


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

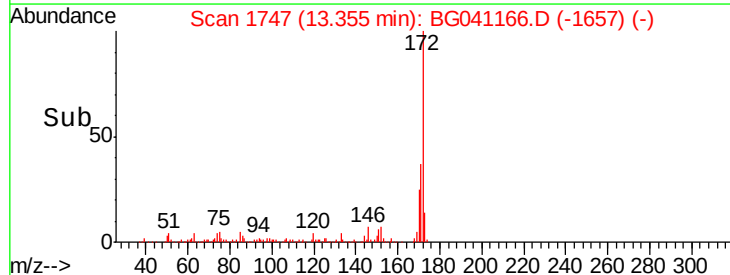
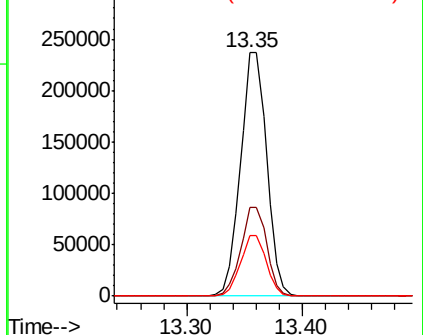


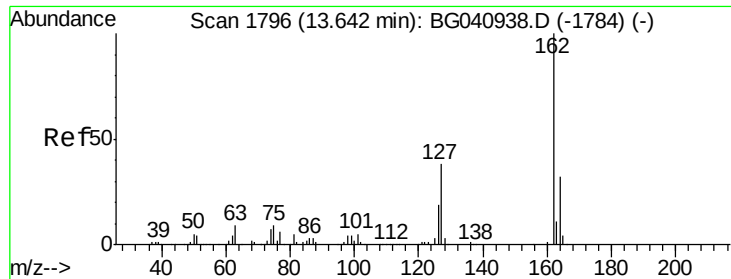
#45
 2-Fluorobiphenyl
 Concen: 39.457 ng
 RT: 13.35 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BG041166.D
 Acq: 10 Jun 2019 17:00

Tgt Ion:172 Resp: 373308
 Ion Ratio Lower Upper
 172 100
 171 36.7 31.1 46.7
 170 24.9 20.5 30.7



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

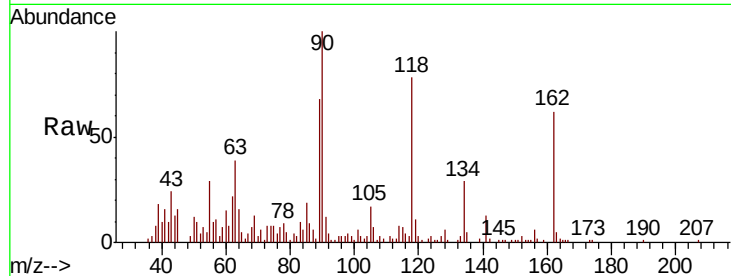




#47
2-Chloronaphthalene
Concen: 2.318 ng
RT: 13.79 min Scan# 1821
Delta R.T. 0.17 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

Tot Ion	Ratio	Lower	Upper
162	100		
127	5.2	30.5	45.7#
164	3.1	25.8	38.6#

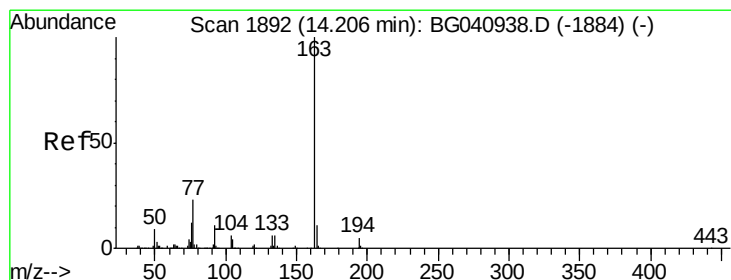
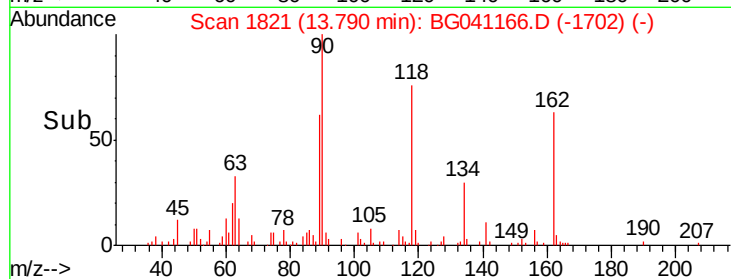
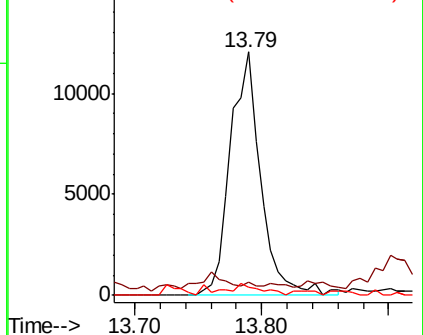


Abundance

Ion 162.00 (161.70 to 162.70): E

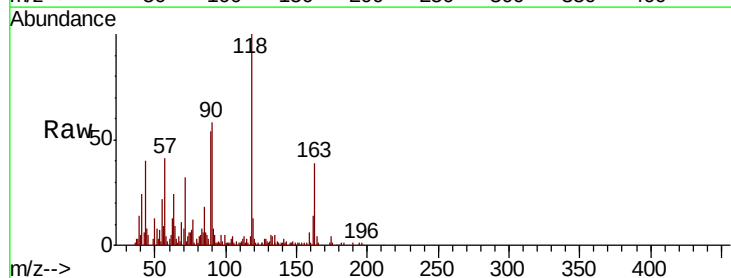
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#50
Dimethylphthalate
Concen: 2.122 ng
RT: 14.18 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.8	5.8#
164	9.3	8.7	13.1

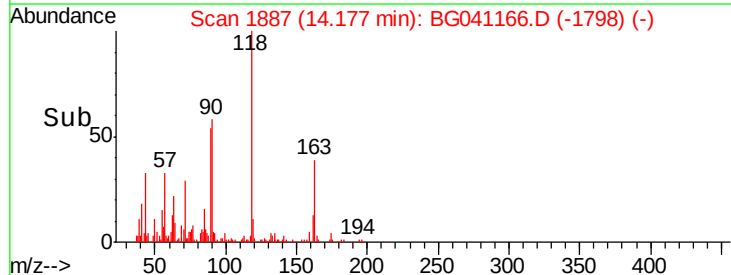
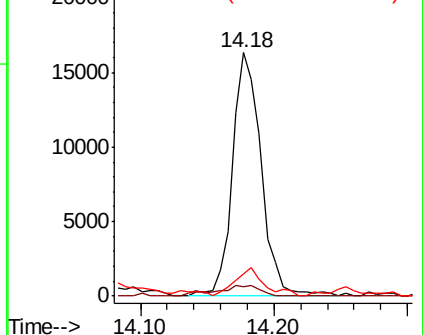


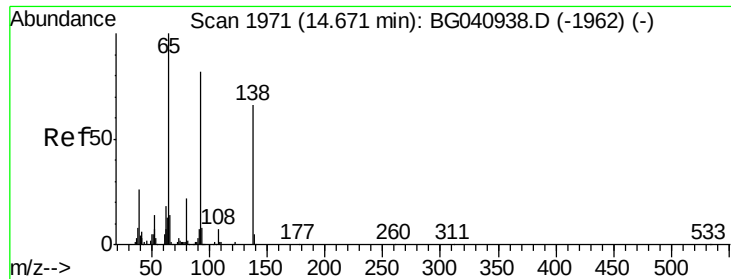
Abundance

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

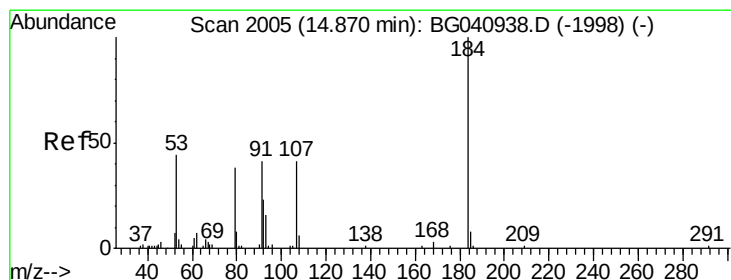
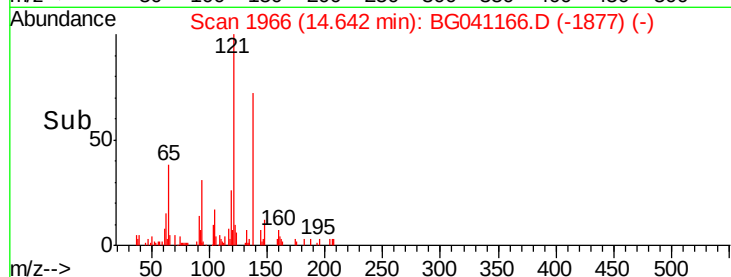
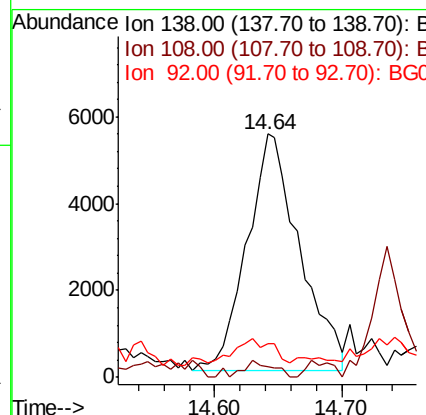
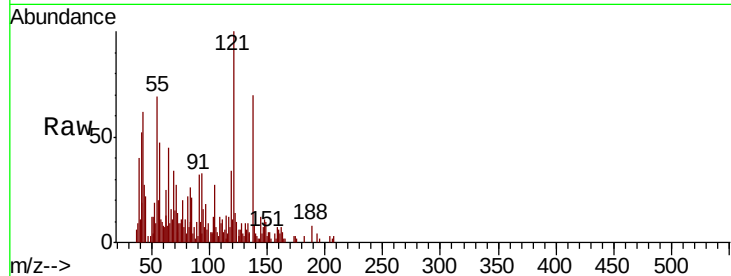




#53
3-Nitroaniline
Concen: 6.310 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

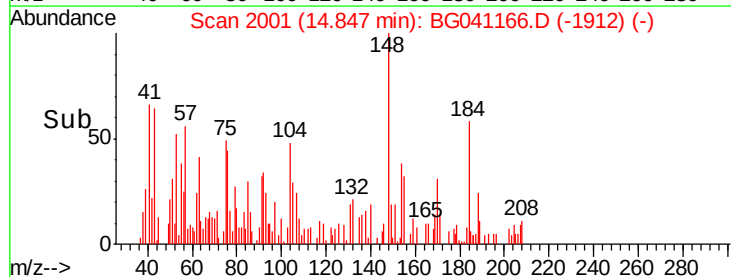
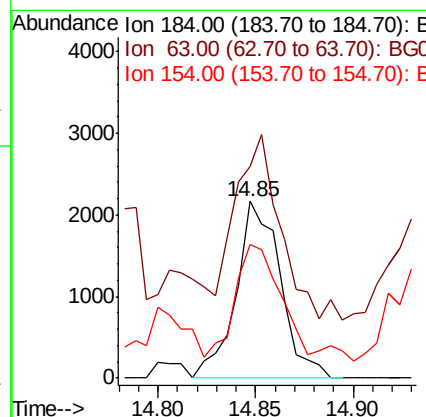
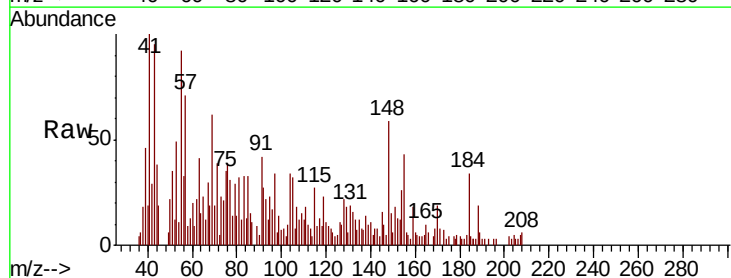
Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

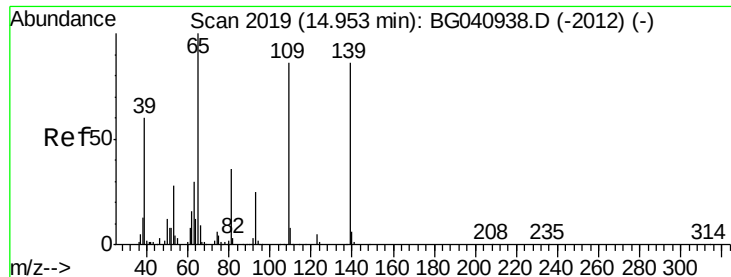
Tot Ion:138 Resp: 15690
Ion Ratio Lower Upper
138 100
108 4.3 8.5 12.7#
92 13.7 99.0 148.6#



#54
2,4-Dinitrophenol
Concen: 11.520 ng
RT: 14.85 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion:184 Resp: 3399
Ion Ratio Lower Upper
184 100
63 119.6 49.8 74.6#
154 75.5 52.2 78.4





#56

4-Nitrophenol

Concen: 15.224 ng

RT: 14.95 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

Instrument :

BNA_G

ClientSampleId :

CHIMNEY-1

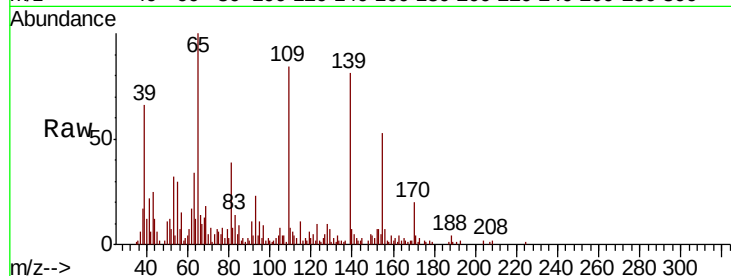
Tot Ion:139 Resp: 25966

Ion Ratio Lower Upper

139 100

109 103.0 79.6 119.6

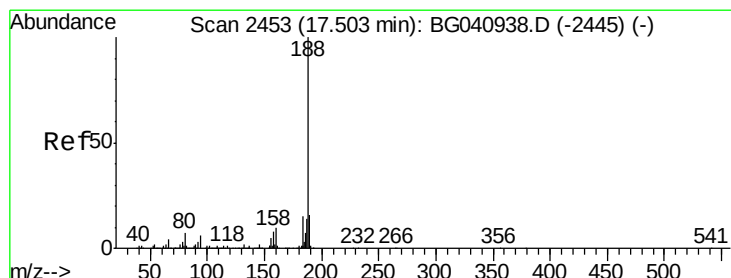
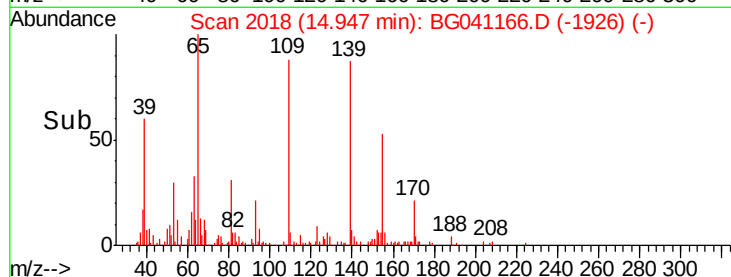
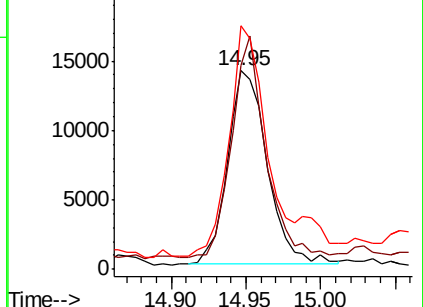
65 122.8 96.9 136.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

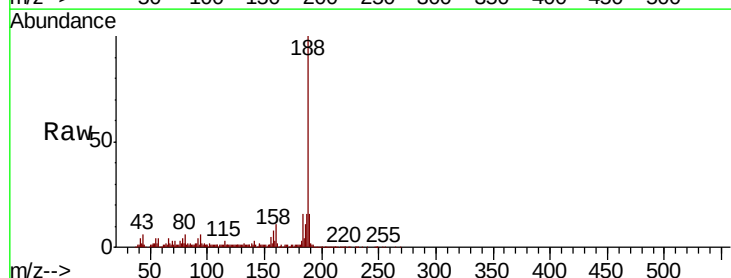
Tgt Ion:188 Resp: 316011

Ion Ratio Lower Upper

188 100

94 5.8 4.7 7.1

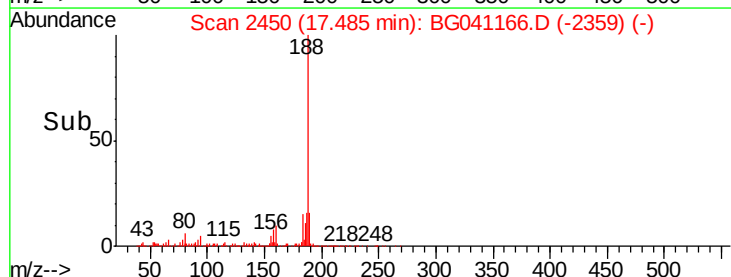
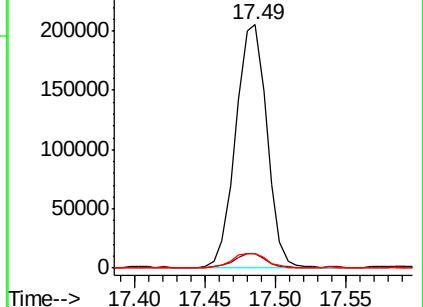
80 6.1 5.8 8.8

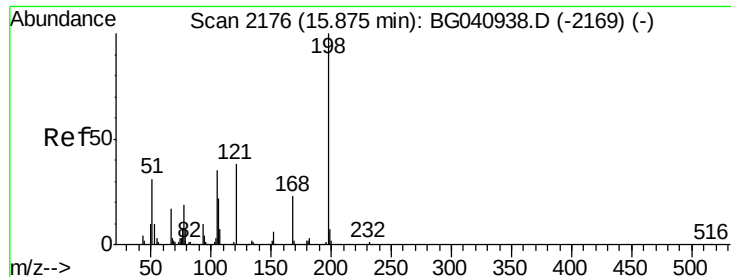


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 9.230 ng

RT: 15.86 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

Instrument :

BNA_G

ClientSampleId :

CHIMNEY-1

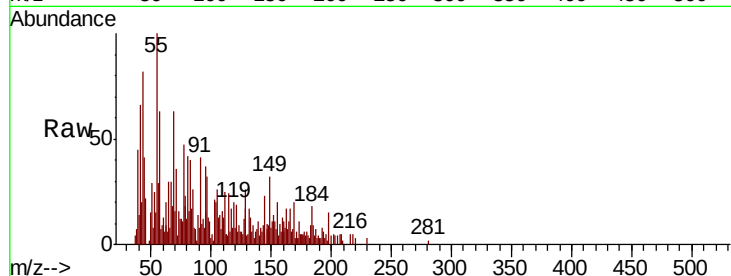
Tot Ion:198 Resp: 1320

Ion Ratio Lower Upper

198 100

51 189.1 21.6 61.6#

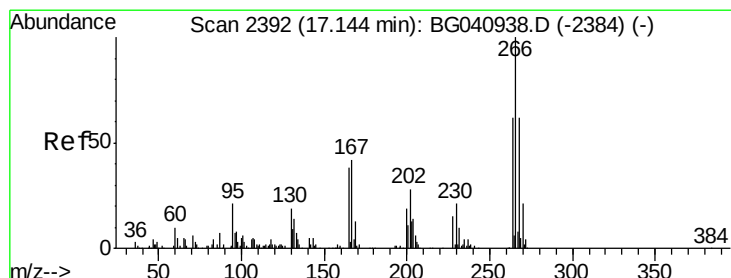
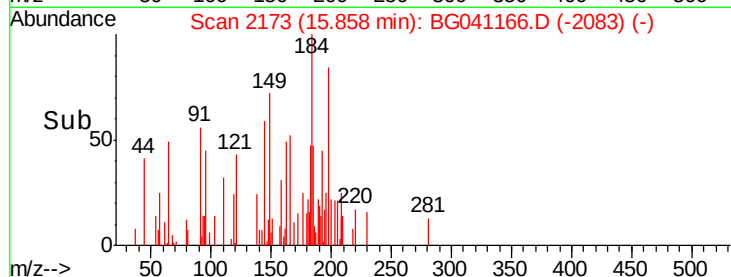
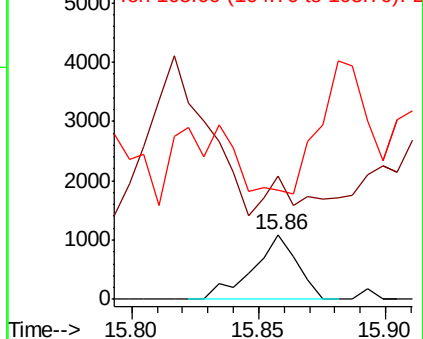
105 167.7 17.5 57.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#70

Pentachlorophenol

Concen: 4.712 ng

RT: 17.13 min Scan# 2389

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

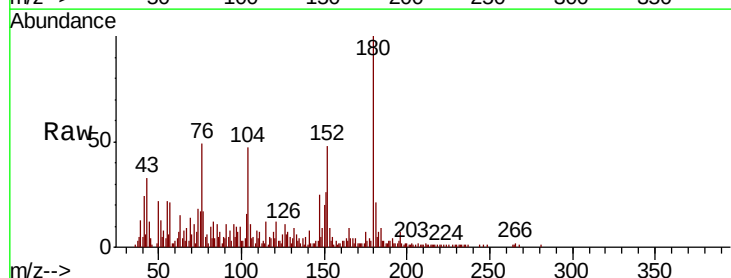
Tgt Ion:266 Resp: 1172

Ion Ratio Lower Upper

266 100

268 88.3 53.1 79.7#

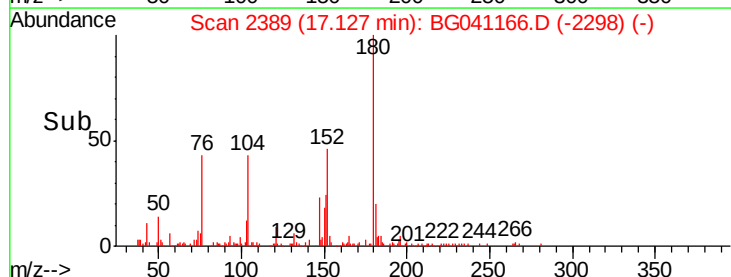
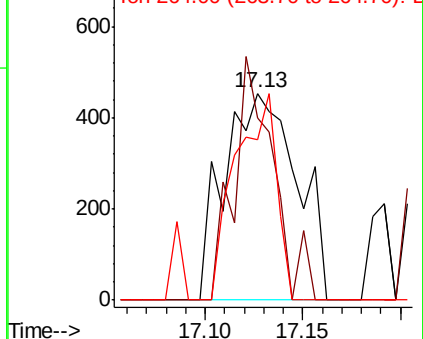
264 77.8 49.9 74.9#

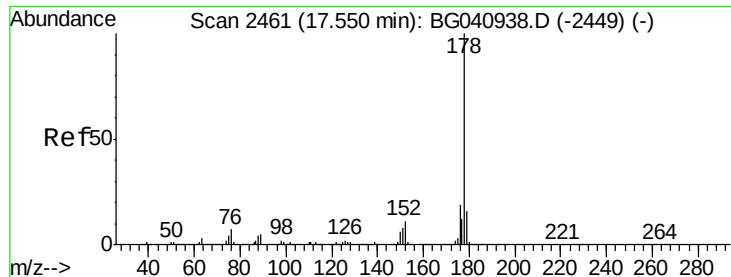


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

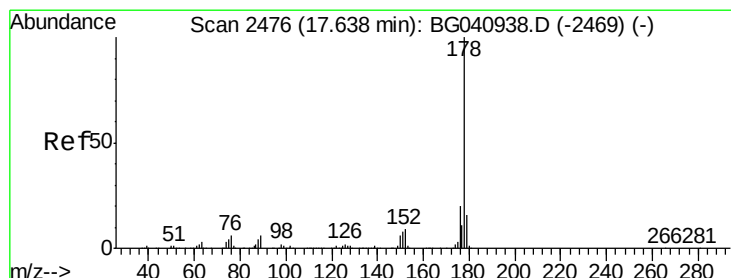
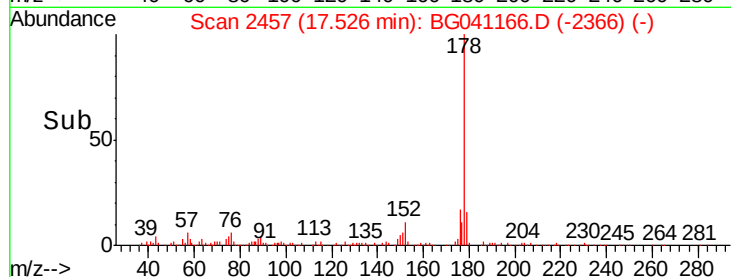
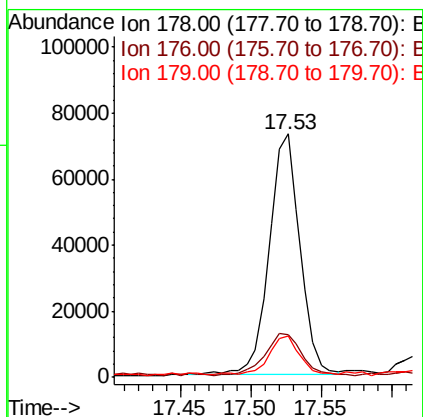
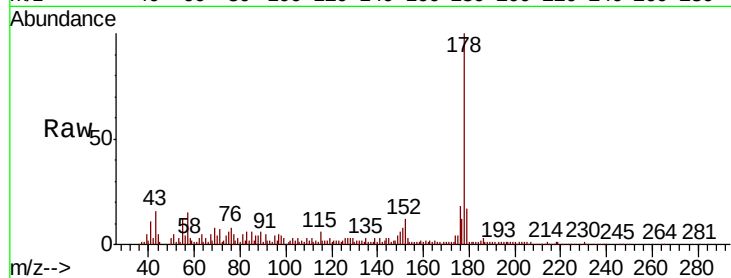




#71
Phenanthrene
Concen: 6.770 ng
RT: 17.53 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

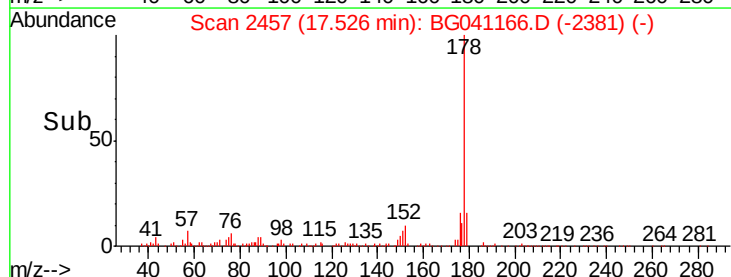
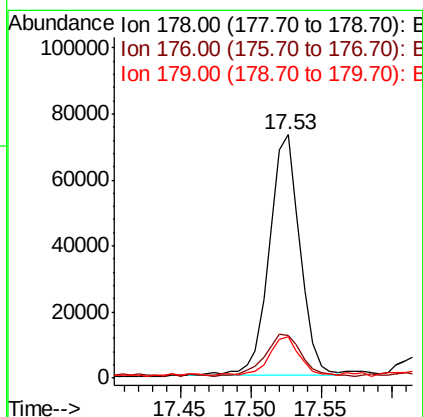
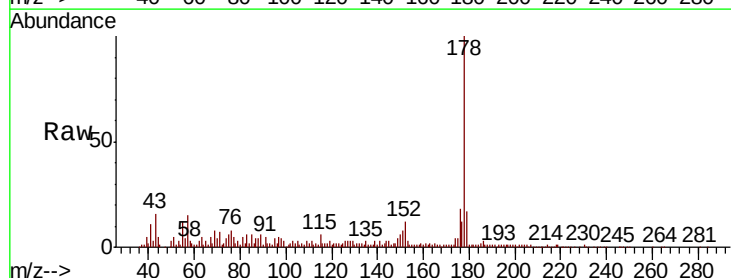
Instrument :
BNA_G
ClientSampleId :
CHIMNEY-1

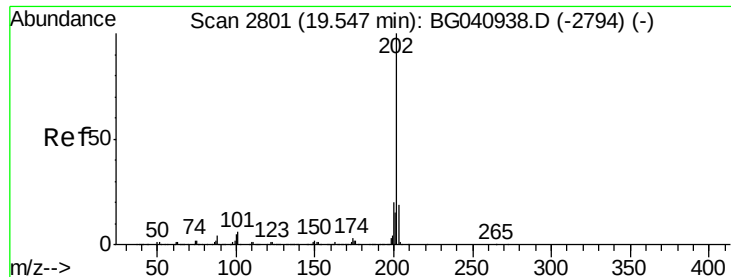
Tot Ion:178 Resp: 111434
Ion Ratio Lower Upper
178 100
176 17.6 15.5 23.3
179 17.0 12.7 19.1



#72
Anthracene
Concen: 6.864 ng
RT: 17.53 min Scan# 2457
Delta R.T. -0.09 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion:178 Resp: 111434
Ion Ratio Lower Upper
178 100
176 17.6 15.6 23.4
179 17.0 13.0 19.4





#75

Fluoranthene

Concen: 3.763 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

Instrument :

BNA_G

ClientSampleId :

CHIMNEY-1

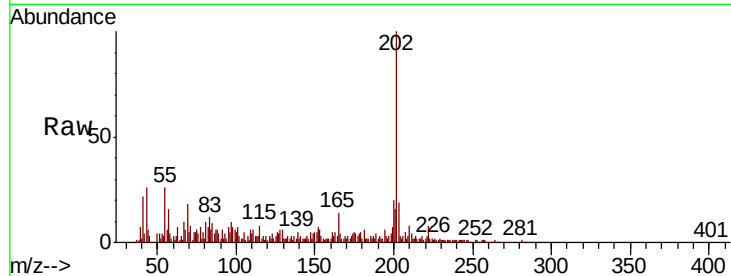
Tot Ion:202 Resp: 76501

Ion Ratio Lower Upper

202 100

101 6.9 0.0 26.2

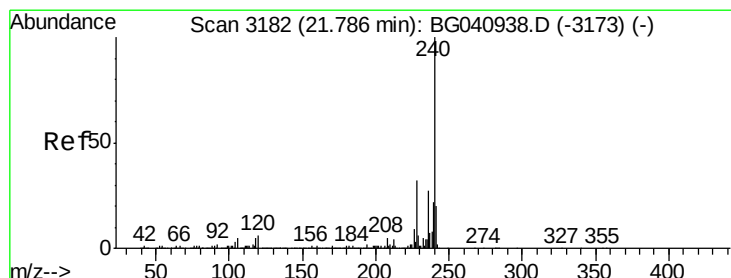
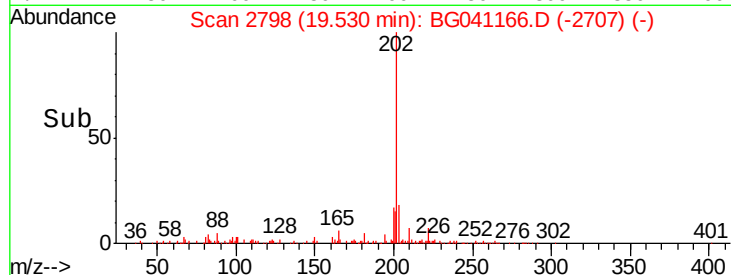
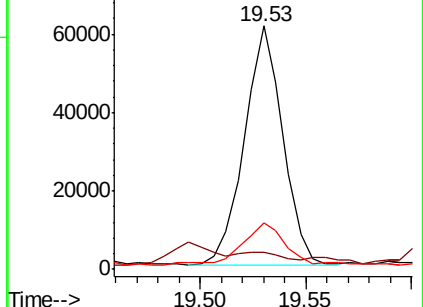
203 19.2 0.0 38.7



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: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

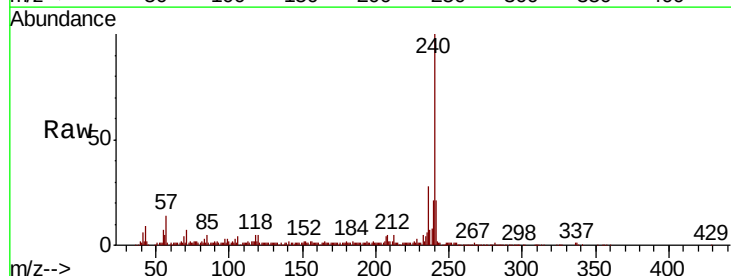
Tgt Ion:240 Resp: 329130

Ion Ratio Lower Upper

240 100

120 5.2 4.5 6.7

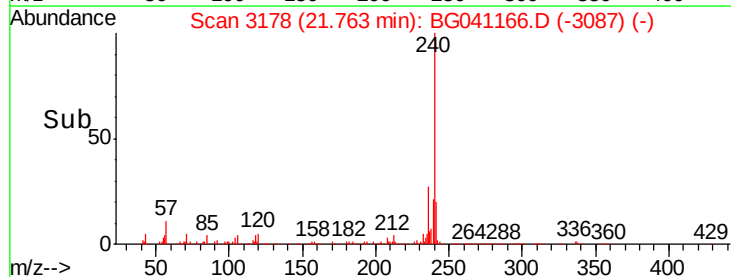
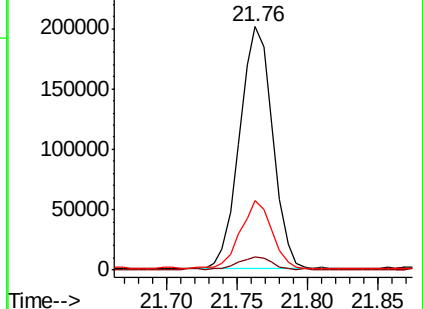
236 28.4 21.3 31.9

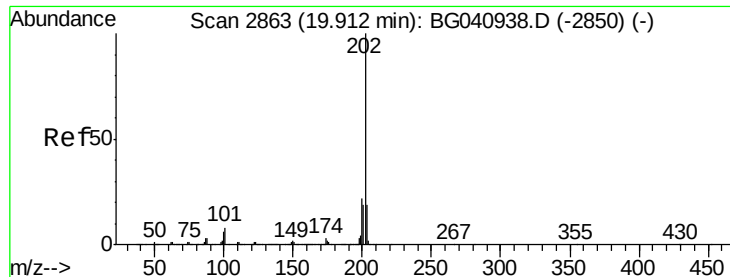


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

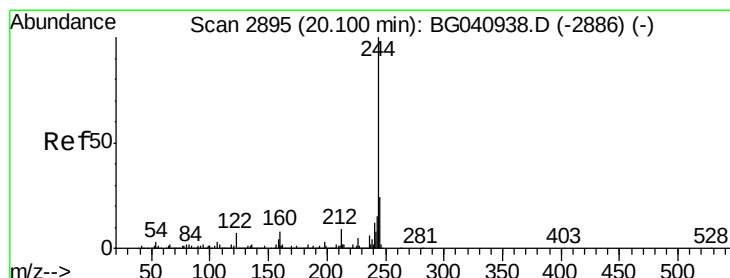
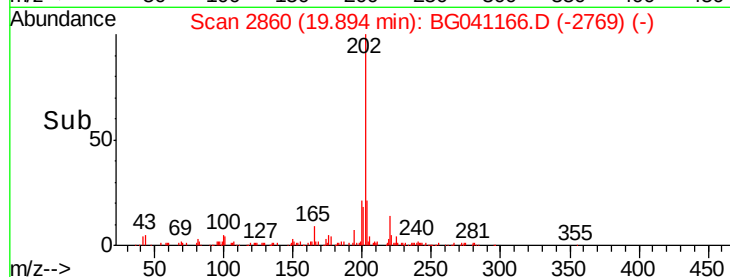
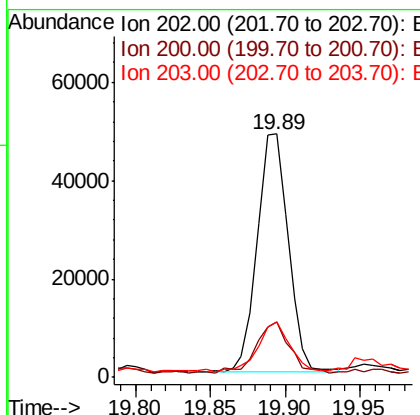
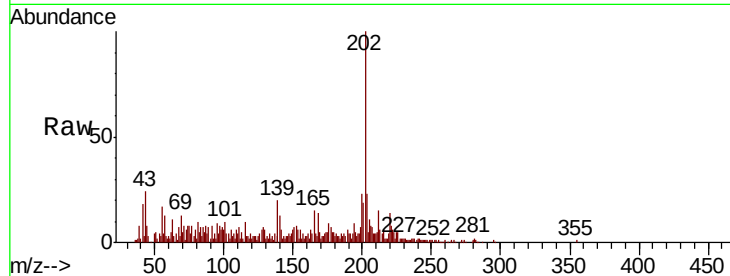




#78
 Pvrene
 Concen: 3.276 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BG041166.D
 Acq: 10 Jun 2019 17:00

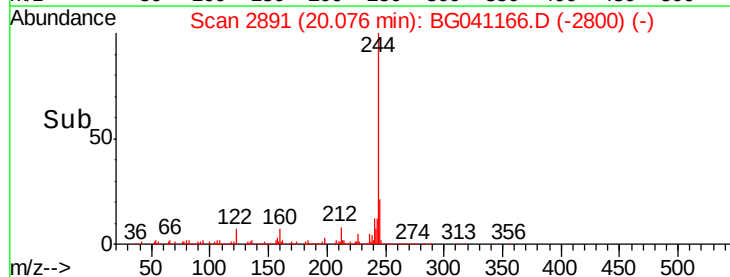
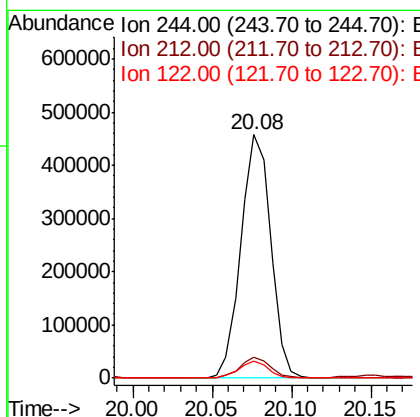
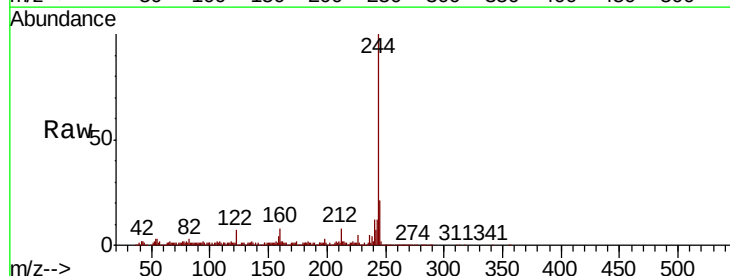
Instrument :
 BNA_G
 ClientSampleId :
 CHIMNEY-1

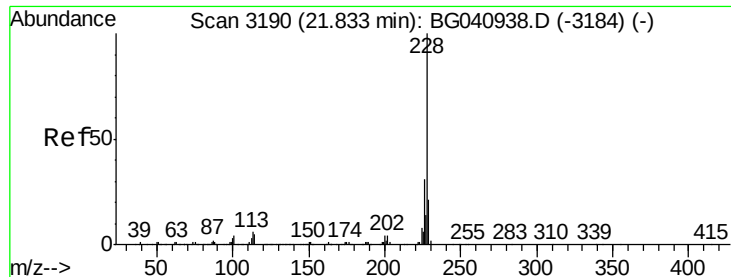
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.5	26.3
203	22.8	15.6	23.4



#79
 Terphenyl-d14
 Concen: 38.434 ng
 RT: 20.08 min Scan# 2891
 Delta R.T. 0.00 min
 Lab File: BG041166.D
 Acq: 10 Jun 2019 17:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	6.8	5.4	8.0





#83

Chrysene

Concen: 2.534 ng

RT: 21.81 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

Instrument :

BNA_G

ClientSampleId :

CHIMNEY-1

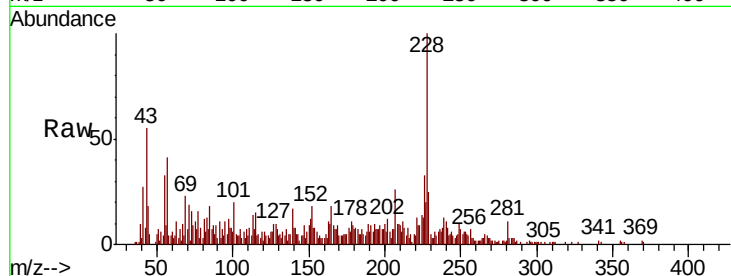
Tot Ion:228 Resp: 53138

Ion Ratio Lower Upper

228 100

226 33.4 24.6 37.0

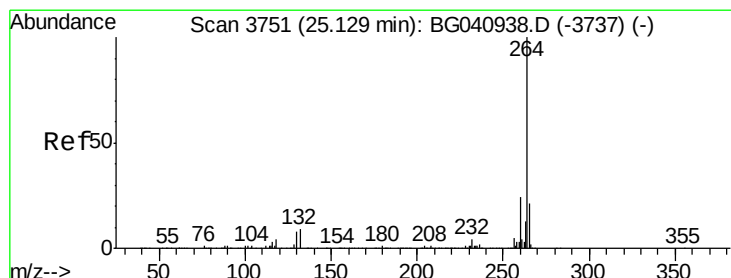
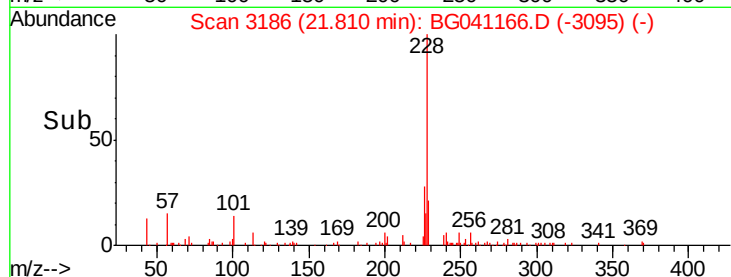
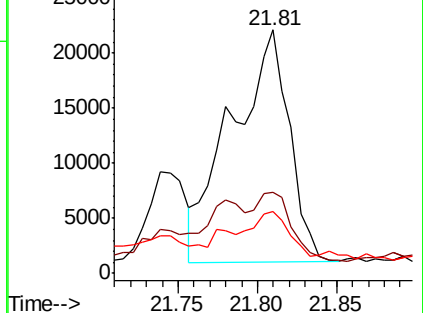
229 25.4 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

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: 25.10 min Scan# 3746

Delta R.T. 0.01 min

Lab File: BG041166.D

Acq: 10 Jun 2019 17:00

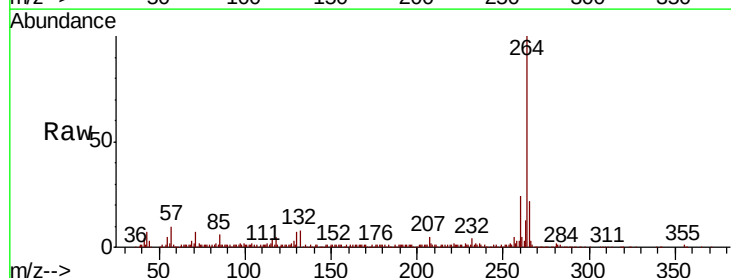
Tgt Ion:264 Resp: 332078

Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.4

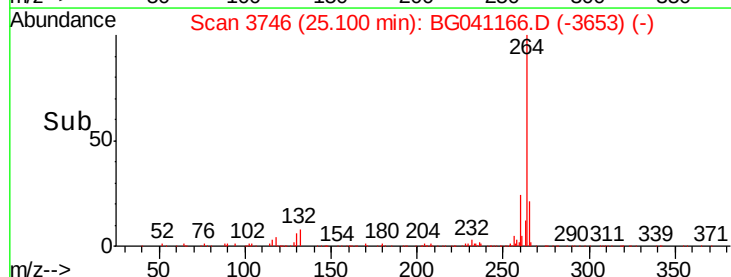
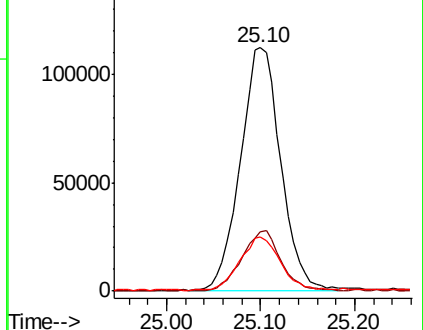
265 22.0 17.0 25.4

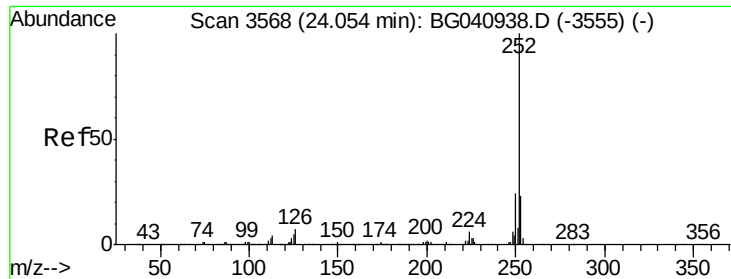


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

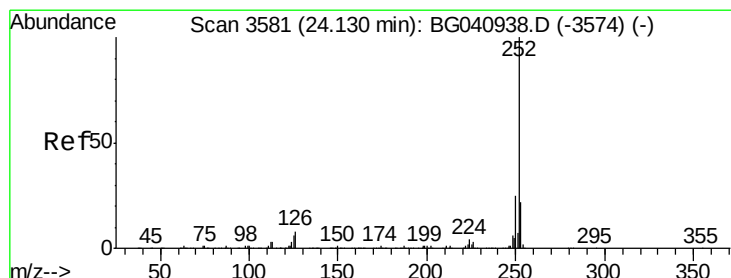
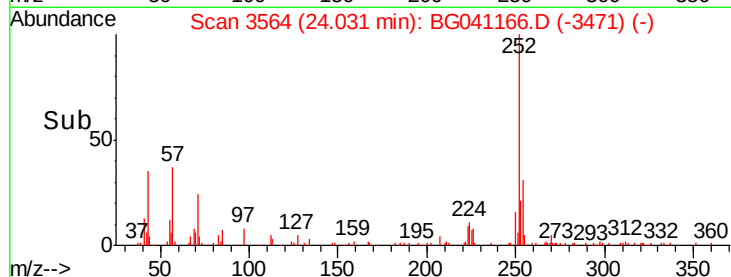
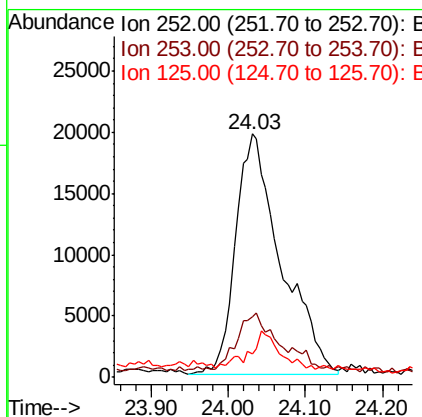
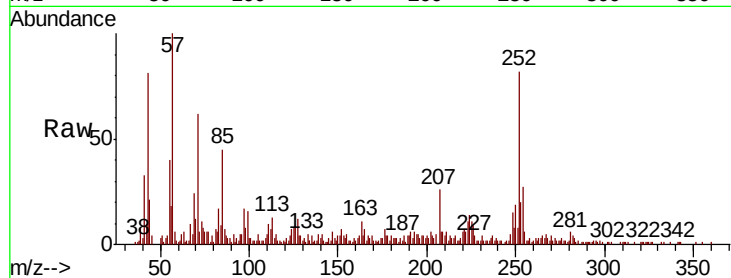




#88
Benzo(b)fluoranthene
Concen: 3.989 ng
RT: 24.03 min Scan# 3564
Delta R.T. 0.01 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Instrument :
BNA_G
ClientSampled :
CHIMNEY-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	9.8	4.3	6.5#



#89
Benzo(k)fluoranthene
Concen: 4.031 ng
RT: 24.03 min Scan# 3564
Delta R.T. -0.06 min
Lab File: BG041166.D
Acq: 10 Jun 2019 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	9.8	4.7	7.1#

