

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101915\
 Data File : BG019256.D
 Acq On : 20 Oct 2015 1:28
 Operator : UM/NP
 Sample : G3996-16DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK5DL

Quant Time: Oct 20 06:06:23 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 20 06:03:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	14473	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	63521	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	41043	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	12530	20.00	ng/ul	0.10
78) Chrysene-d12	21.77	240	274	20.00	ng/ul	0.13
86) Perylene-d12	24.86	264	100786	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	351	1.35	ng/uL	0.00
5) Phenol-d5	7.19	99	3240	2.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	1948	2.40	ng/ul	0.02
9) 2-Chlorophenol-d4	7.54	132	2488	2.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	2813	2.63	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	1313	2.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	1411	2.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	2810	2.73	ng/ul	0.02
29) 4-Chloroaniline-d4	10.83	131	626	0.47	ng/ul	-0.11
44) Dimethylphthalate-d6	14.05	166	9298	2.59	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	10340	2.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.87	143	1613	2.50	ng/ul	0.02
58) Fluorene-d10	15.63	176	9313	3.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	96	1.24	ng/ul	0.04
71) Anthracene-d10	17.49	188	11968	20.22	ng/ul	0.00
79) Pyrene-d10	19.88	212	206	16.58	ng/ul	0.12
90) Benzo(a)pyrene-d12	24.64	264	14737	2.89	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.22	94	27358	20.80	ng/ul#	85
11) 2-Methylphenol	8.47	108	52495	50.85	ng/ul	96
14) Acetophenone	8.83	105	3979	2.20	ng/ul#	17
16) 4-Methylphenol	8.81	108	139925	120.80	ng/ul	99
17) Hexachloroethane	9.11	117	1494	3.67	ng/ul#	1
24) 2,4-Dimethylphenol	10.00	107	52109	38.97	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.28	93	2755	2.04	ng/ul#	1
27) 2,4-Dichlorophenol	10.47	162	1520	1.46	ng/ul#	26
28) Naphthalene	10.86	128	19181	5.78	ng/ul	99
30) 4-Chloroaniline	10.87	127	2879	2.11	ng/ul#	20
34) 2-Methylnaphthalene	12.47	142	17505	6.65	ng/ul	95
35) 1-Methylnaphthalene	12.68	142	10975	4.26	ng/ul#	94
59) Fluorene	15.68	166	3988	1.15	ng/ul	96
61) 4-Nitroaniline	15.57	138	1108	1.42	ng/ul#	15
70) Phenanthrene	17.52	178	957	1.37	ng/ul#	57
80) Pyrene	19.79	202	1689	103.86	ng/ul	98
81) Butylbenzylphthalate	20.80	149	161	27.22	ng/ul#	1
82) 3,3'-Dichlorobenzidine	21.68	252	105	20.98	ng/ul#	66
83) Benzo(a)anthracene	21.74	228	229	14.80	ng/ul#	1
84) Bis(2-ethylhexyl)phthalate	21.66	149	285	34.87	ng/ul#	1
85) Chrysene	21.82	228	162	11.07	ng/ul#	1

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Oct 20 06:06:23 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 20 06:03:40 2015
Response via : Initial Calibration

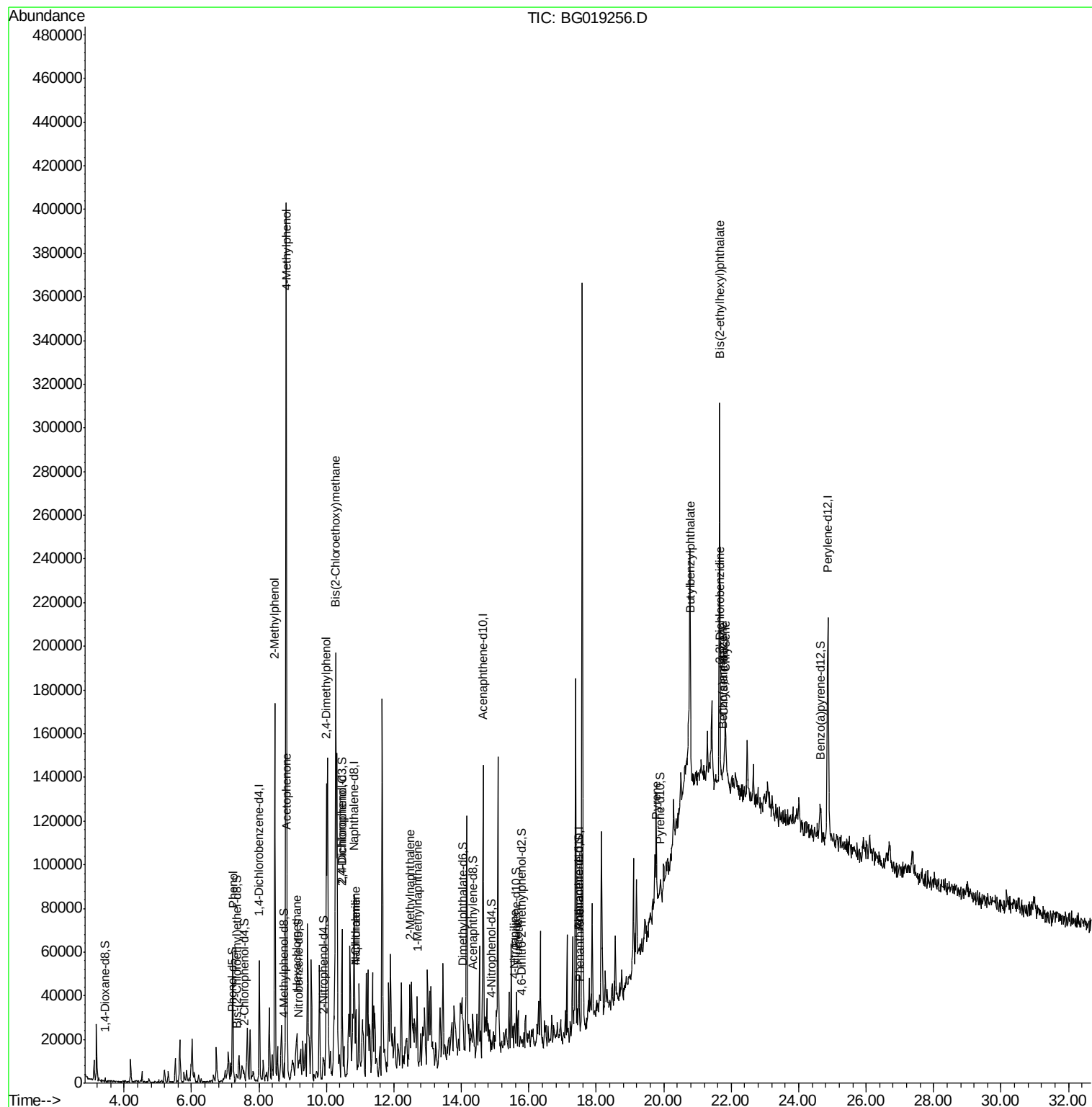
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

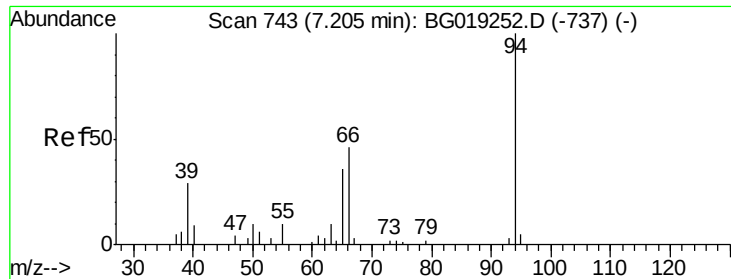
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Instrument :
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Quant Time: Oct 20 06:06:23 2015
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 20.80 ng/ul

RT: 7.22 min Scan# 746

Delta R.T. 0.02 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampled :

E5LK5DL

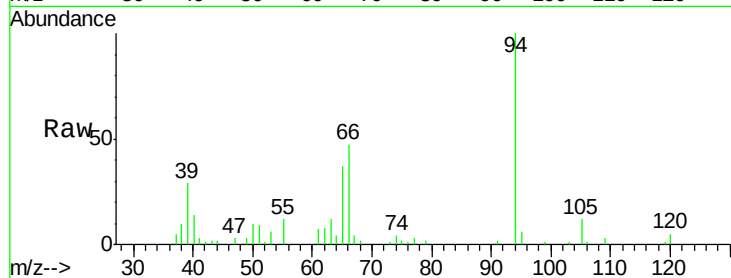
Tot Ion: 94 Resp: 27358

Ion Ratio Lower Upper

94 100

65 37.2 24.9 37.3

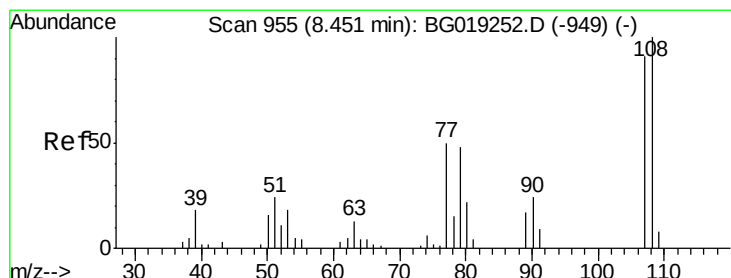
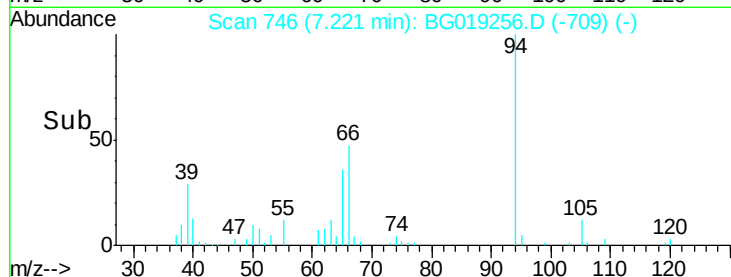
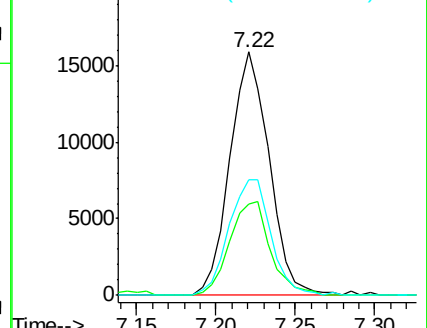
66 47.4 29.1 43.7#



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#11

2-Methylphenol

Concen: 50.85 ng/ul

RT: 8.47 min Scan# 958

Delta R.T. 0.02 min

Lab File: BG019256.D

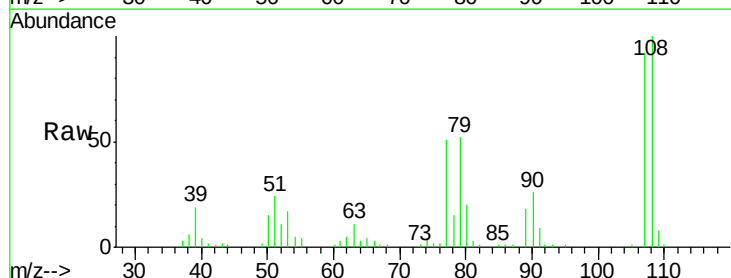
Acq: 20 Oct 2015 1:28

Tgt Ion:108 Resp: 52495

Ion Ratio Lower Upper

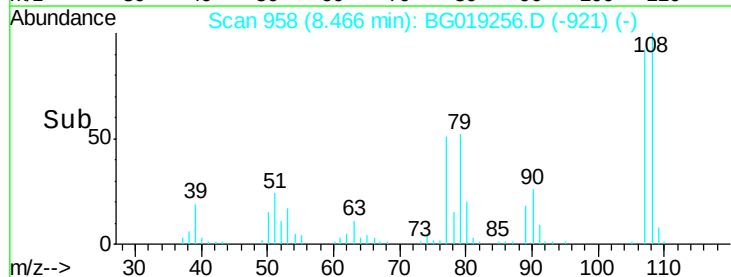
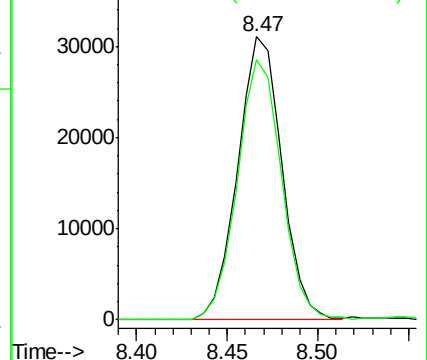
108 100

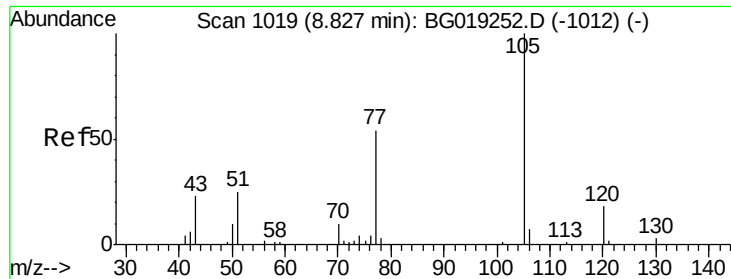
107 92.1 76.7 115.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#14

Acetophenone

Concen: 2.20 ng/ul

RT: 8.83 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampleId :

E5LK5DL

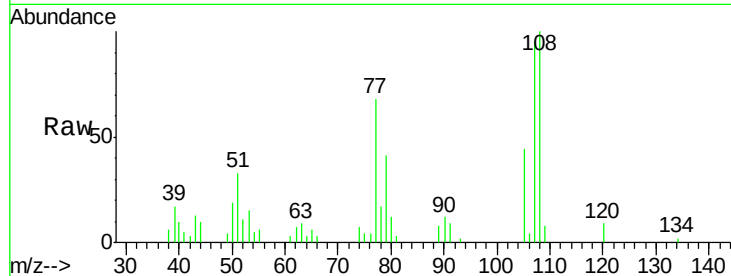
Tot Ion:105 Resp: 3979

Ion Ratio Lower Upper

105 100

77 155.4 63.8 95.6#

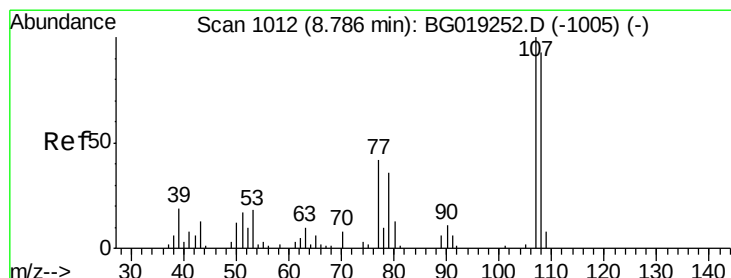
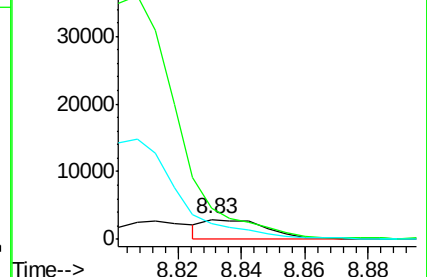
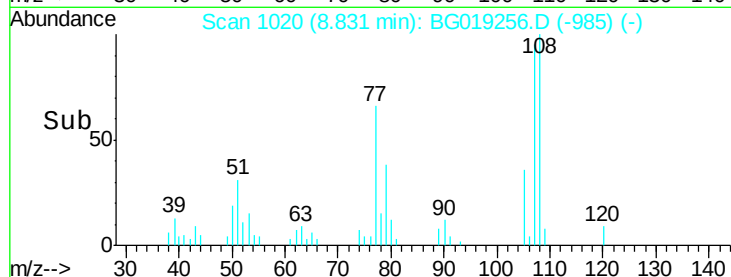
51 75.2 26.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#16

4-Methylphenol

Concen: 120.80 ng/ul

RT: 8.81 min Scan# 1016

Delta R.T. 0.02 min

Lab File: BG019256.D

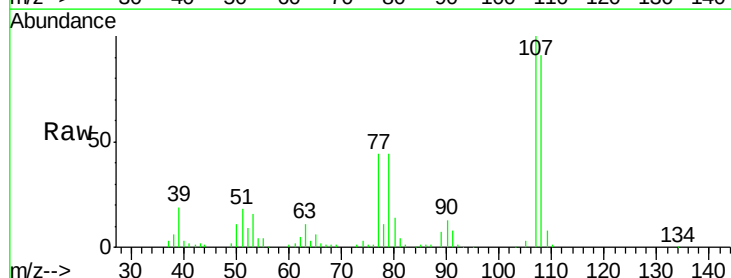
Acq: 20 Oct 2015 1:28

Tgt Ion:108 Resp: 139925

Ion Ratio Lower Upper

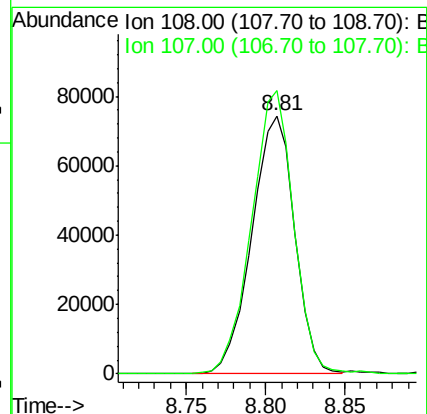
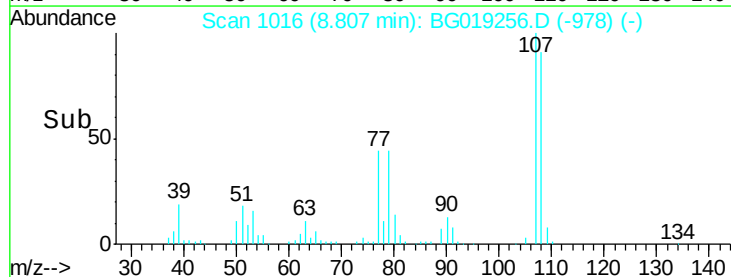
108 100

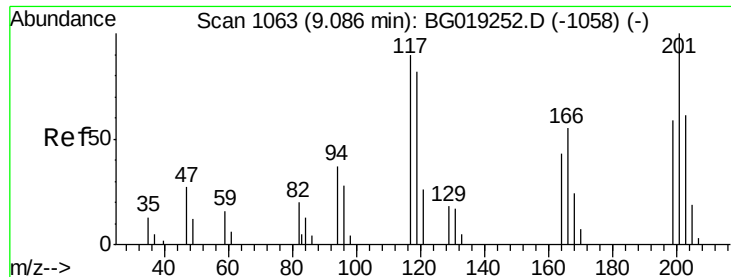
107 109.6 86.6 130.0



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 3.67 ng/ul

RT: 9.11 min Scan# 1068

Delta R.T. 0.03 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

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E5LK5DL

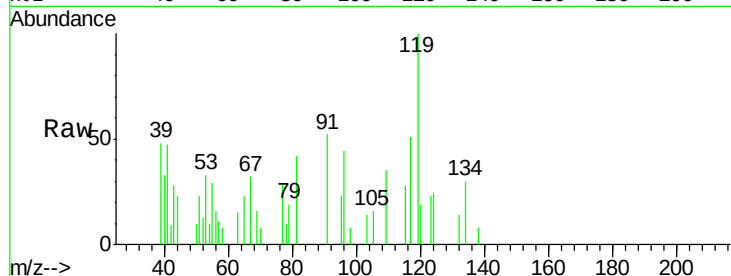
Tot Ion:117 Resp: 1494

Ion Ratio Lower Upper

117 100

201 0.0 91.4 137.0#

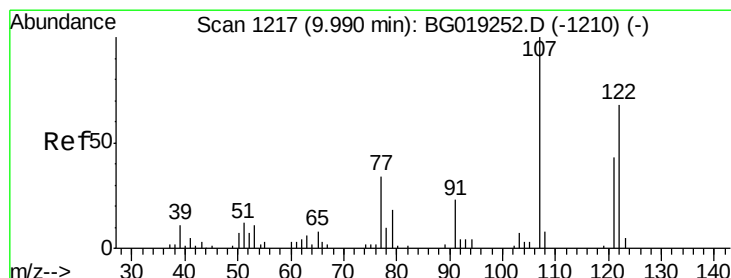
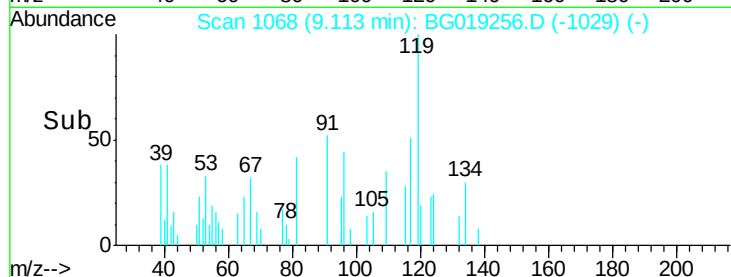
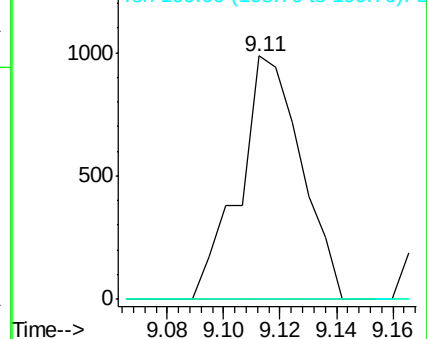
199 0.0 58.7 88.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#24

2,4-Dimethylphenol

Concen: 38.97 ng/ul

RT: 10.00 min Scan# 1219

Delta R.T. 0.01 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

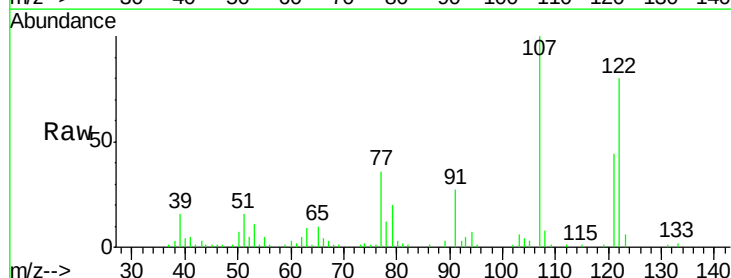
Tgt Ion:107 Resp: 52109

Ion Ratio Lower Upper

107 100

121 44.1 37.2 55.8

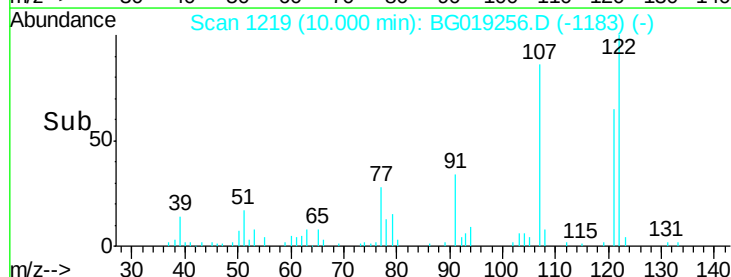
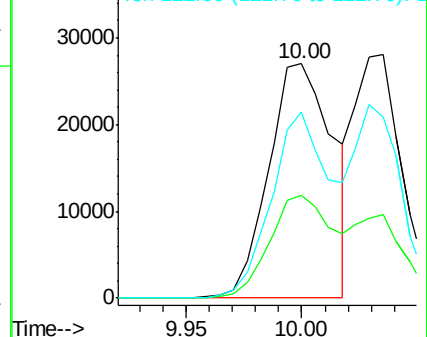
122 79.6 67.6 101.4

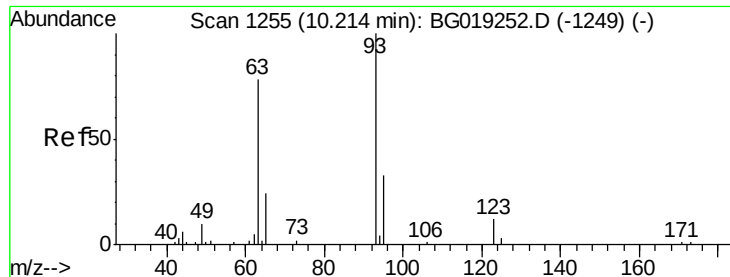


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Bis(2-Chloroethoxy)methane

Concen: 2.04 ng/ul

RT: 10.28 min Scan# 1266

Delta R.T. 0.06 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampleId :

E5LK5DL

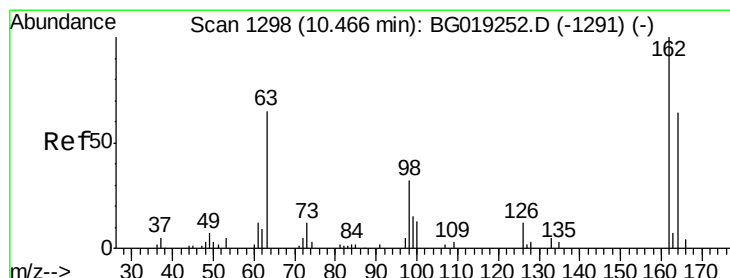
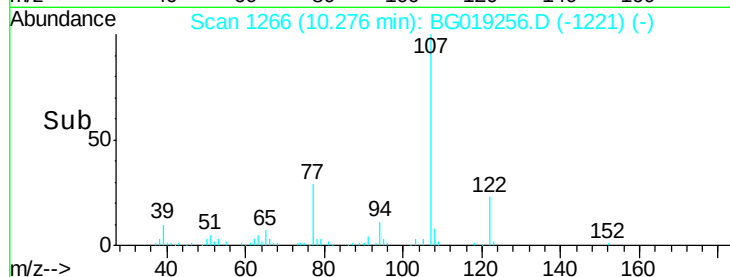
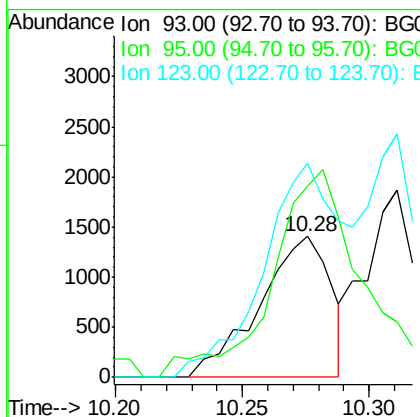
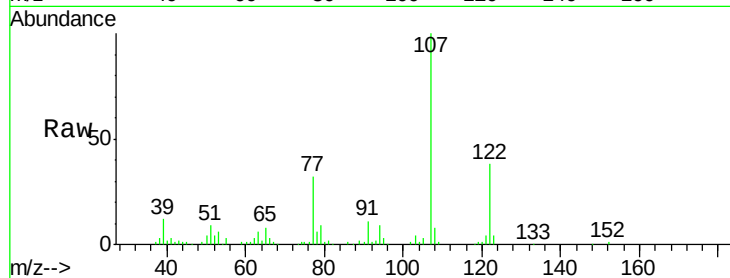
Tot Ion: 93 Resp: 2755

Ion Ratio Lower Upper

93 100

95 135.6 25.4 38.0#

123 152.3 8.0 12.0#



#27

2,4-Dichlorophenol

Concen: 1.46 ng/ul

RT: 10.47 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

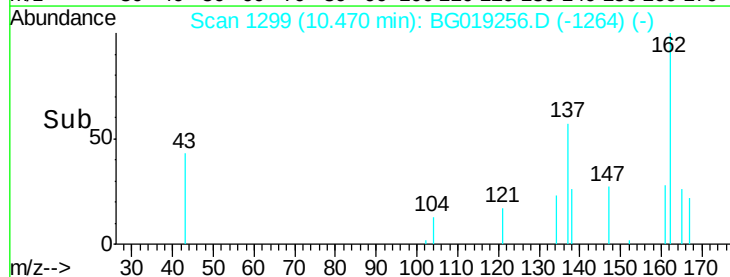
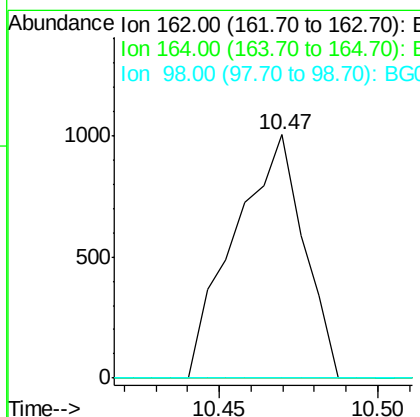
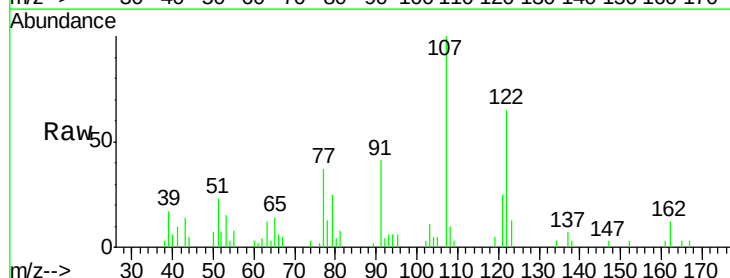
Tgt Ion: 162 Resp: 1520

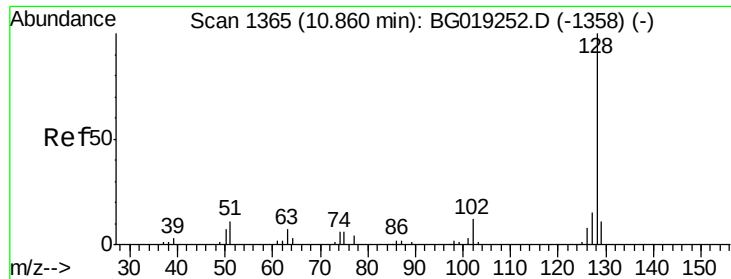
Ion Ratio Lower Upper

162 100

164 0.0 50.0 75.0#

98 0.0 29.0 43.6#

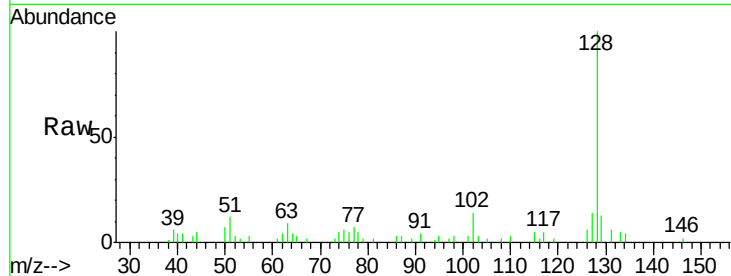




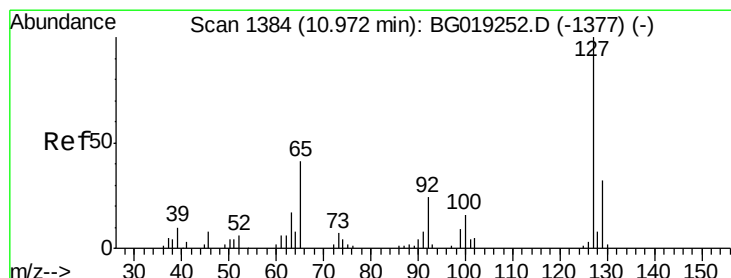
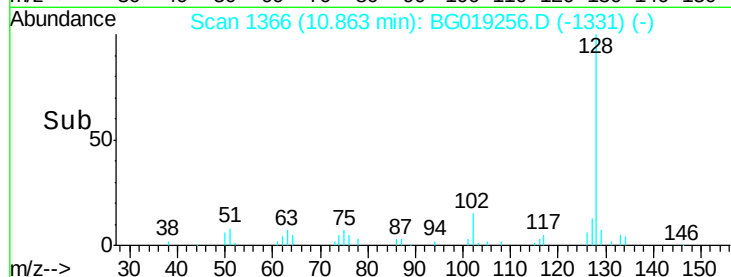
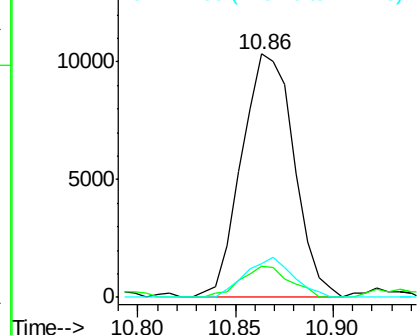
#28
Naphthalene
Concen: 5.78 ng/ul
RT: 10.86 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BG019256.D
Acq: 20 Oct 2015 1:28

Instrument :
BNA_G
ClientSampleId :
E5LK5DL

Tot Ion:128 Resp: 19181
Ion Ratio Lower Upper
128 100
129 12.6 9.6 14.4
127 13.8 11.3 16.9

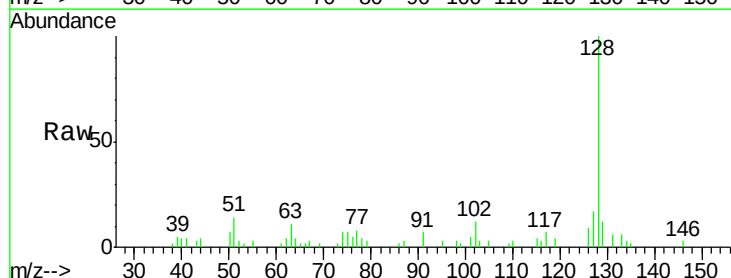


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

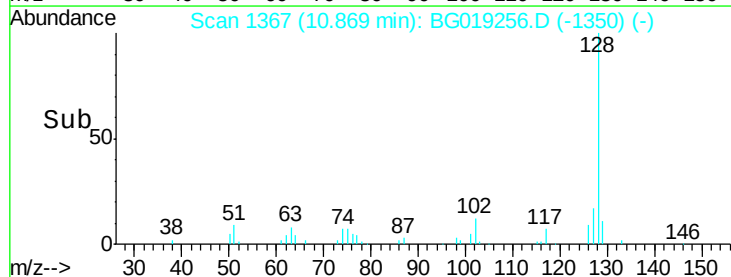
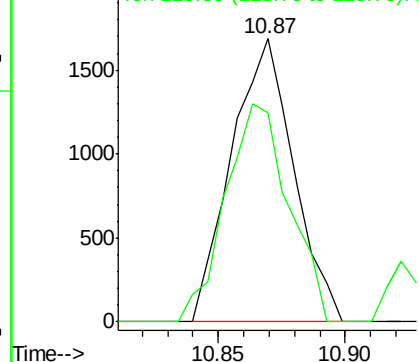


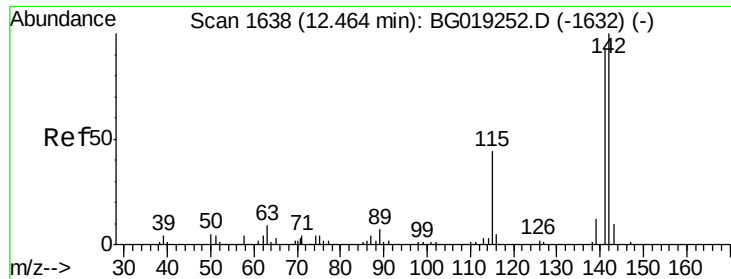
#30
4-Chloroaniline
Concen: 2.11 ng/ul
RT: 10.87 min Scan# 1367
Delta R.T. -0.10 min
Lab File: BG019256.D
Acq: 20 Oct 2015 1:28

Tgt Ion:127 Resp: 2879
Ion Ratio Lower Upper
127 100
129 73.8 24.3 36.5#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

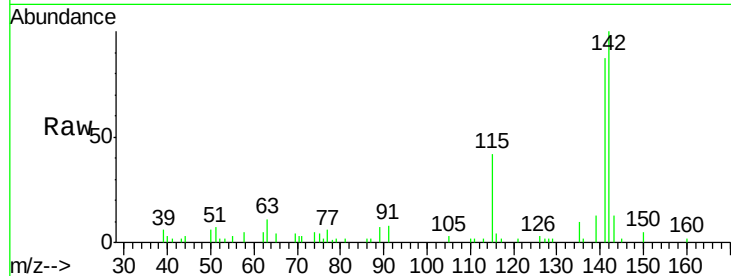




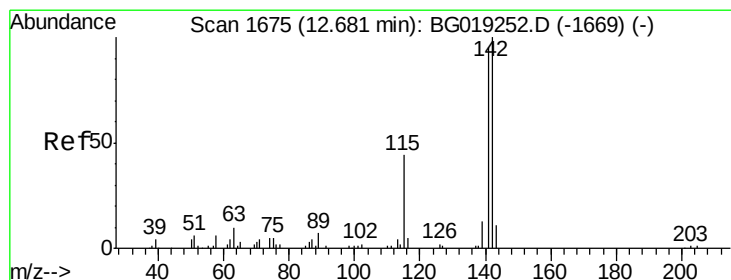
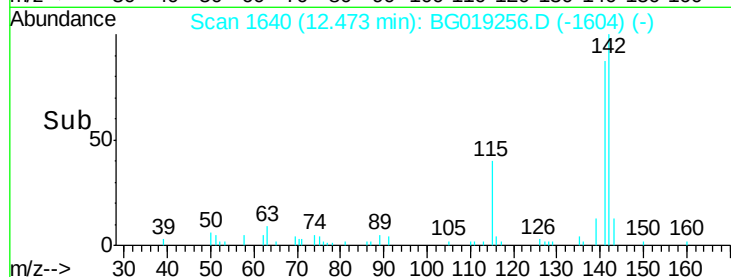
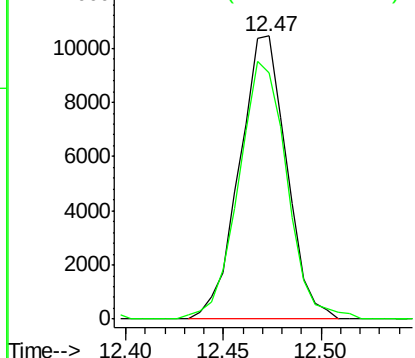
#34
2-Methylnaphthalene
Concen: 6.65 ng/ul
RT: 12.47 min Scan# 1640
Delta R.T. 0.01 min
Lab File: BG019256.D
Acq: 20 Oct 2015 1:28

Instrument :
BNA_G
ClientSampleId :
E5LK5DL

Tot Ion:142 Resp: 17505
Ion Ratio Lower Upper
142 100
141 86.9 73.4 110.0

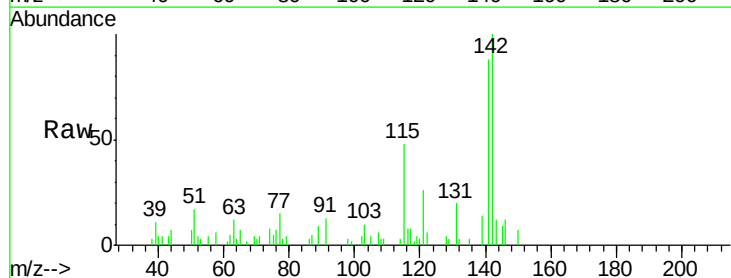


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

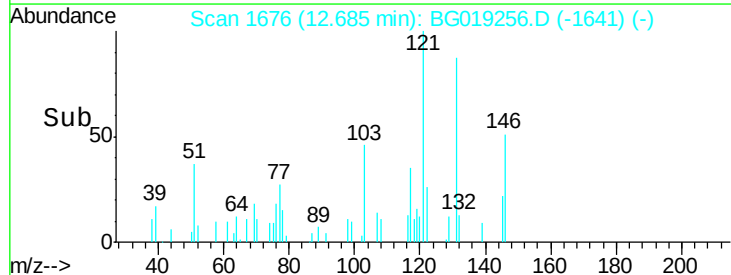
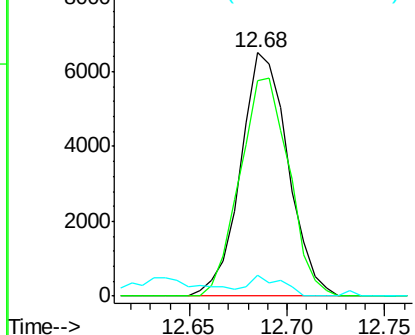


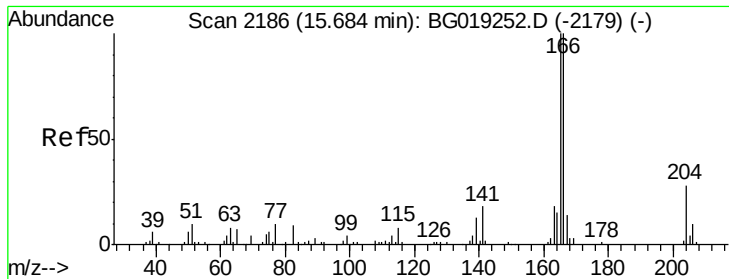
#35
1-Methylnaphthalene
Concen: 4.26 ng/ul
RT: 12.68 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BG019256.D
Acq: 20 Oct 2015 1:28

Tgt Ion:142 Resp: 10975
Ion Ratio Lower Upper
142 100
141 88.3 74.8 112.2
116 8.5 3.2 4.8#



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





#59

Fluorene

Concen: 1.15 ng/ul

RT: 15.68 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampleId :

E5LK5DL

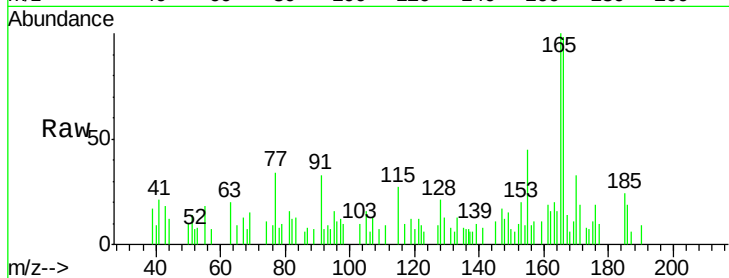
Tot Ion:166 Resp: 3988

Ion Ratio Lower Upper

166 100

165 101.7 77.7 116.5

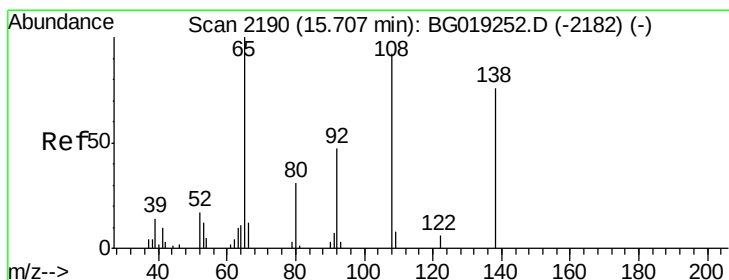
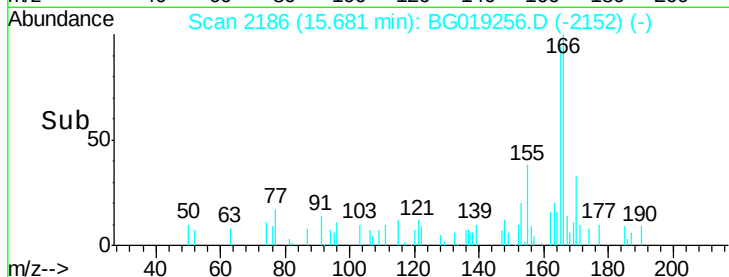
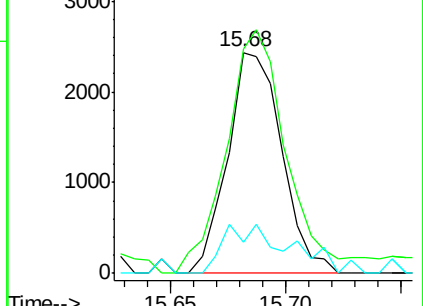
167 13.9 10.4 15.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 1.42 ng/ul

RT: 15.57 min Scan# 2167

Delta R.T. -0.14 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

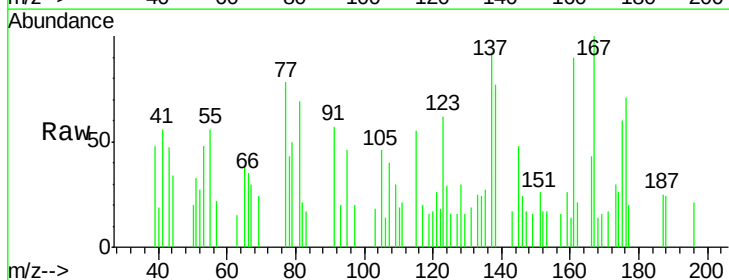
Tgt Ion:138 Resp: 1108

Ion Ratio Lower Upper

138 100

92 0.0 47.4 71.2#

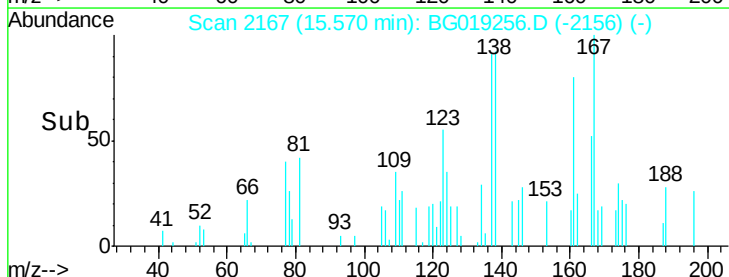
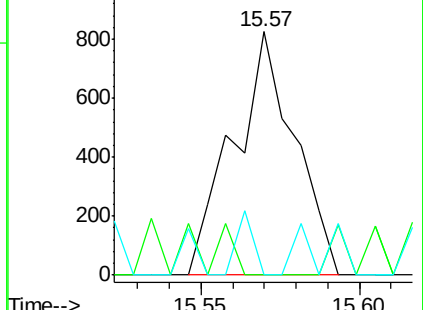
108 0.0 62.8 94.2#

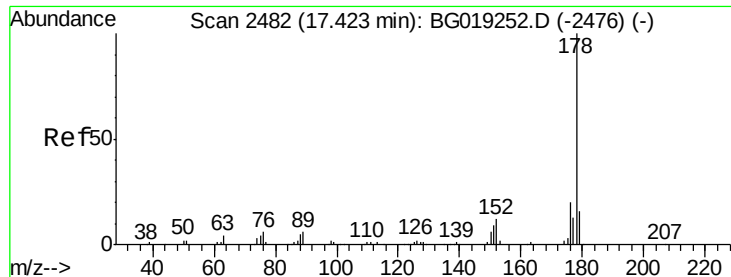


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 1.37 ng/ul

RT: 17.52 min Scan# 2499

Delta R.T. 0.10 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampleId :

E5LK5DL

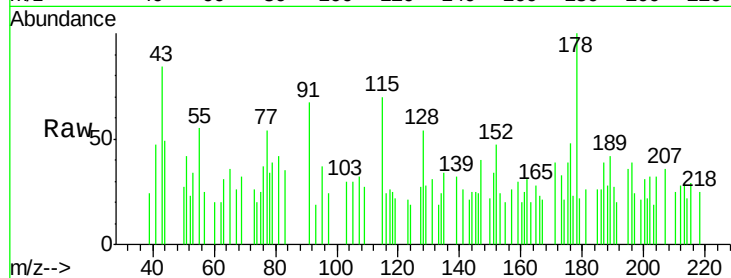
Tot Ion:178 Resp: 957

Ion Ratio Lower Upper

178 100

179 22.1 12.5 18.7#

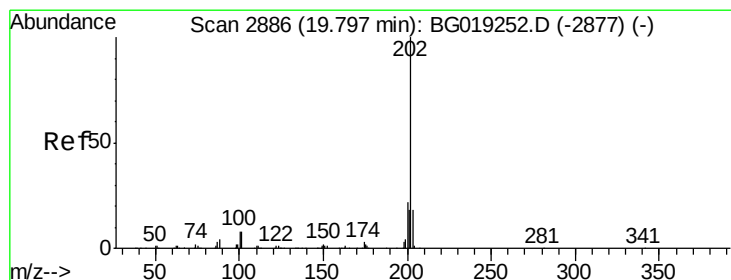
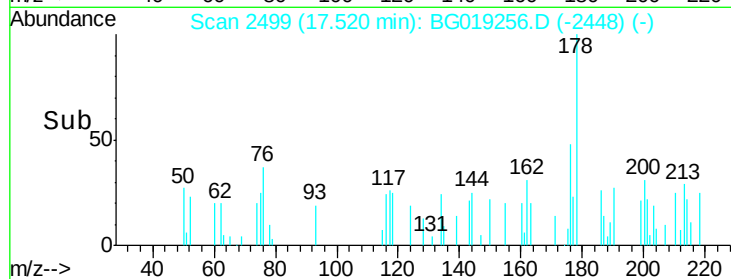
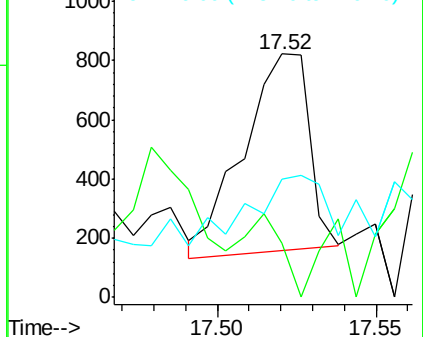
176 48.5 15.4 23.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#80

Pyrene

Concen: 103.86 ng/ul

RT: 19.79 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

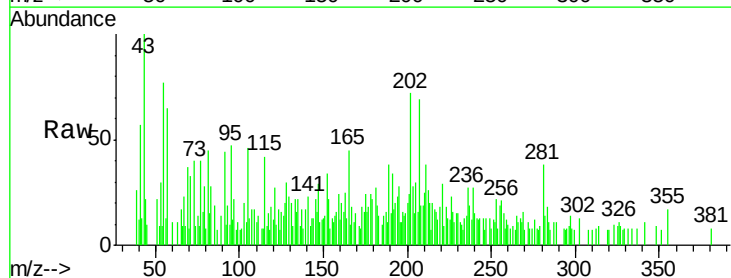
Tgt Ion:202 Resp: 1689

Ion Ratio Lower Upper

202 100

101 11.2 10.2 15.2

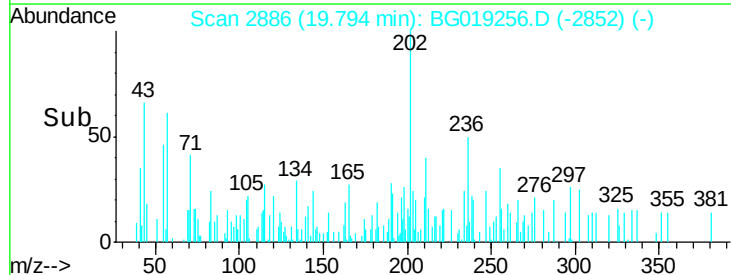
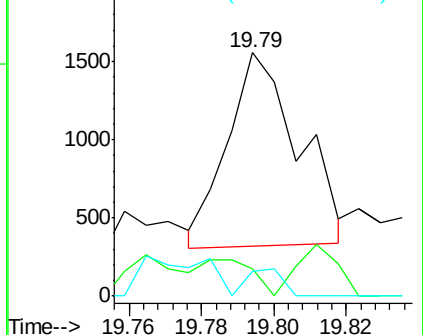
100 10.2 8.5 12.7

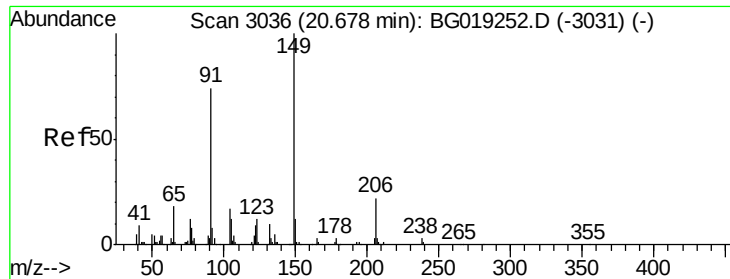


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

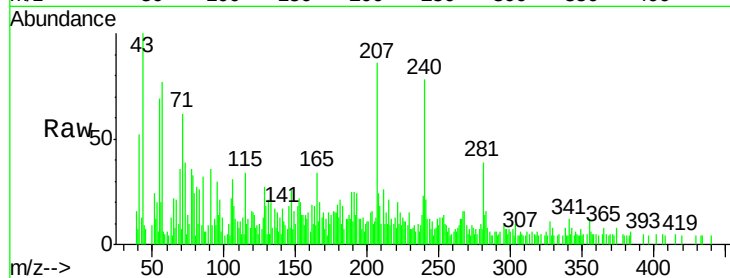




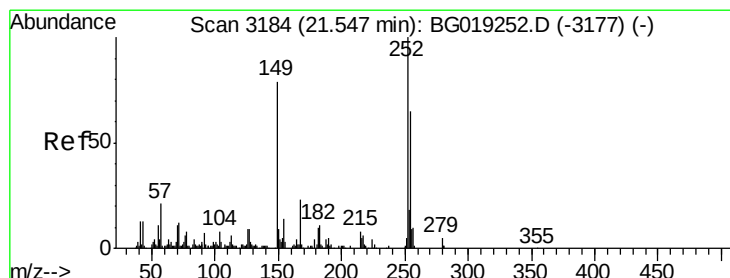
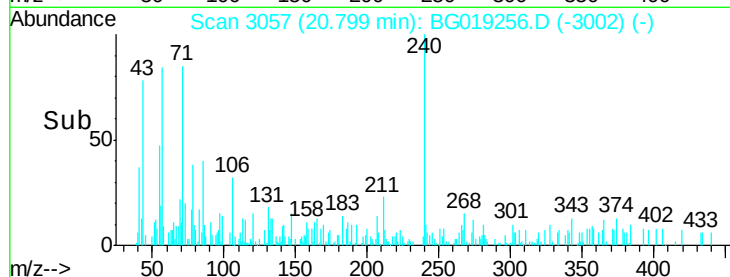
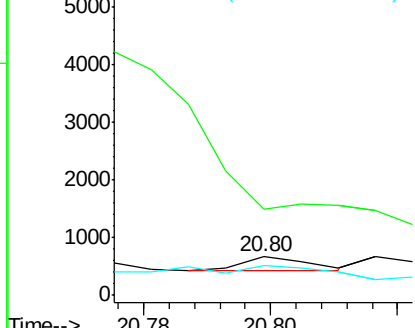
#81
Butylbenzylphthalate
Concen: 27.22 ng/ul
RT: 20.80 min Scan# 3057
Delta R.T. 0.12 min
Lab File: BG019256.D
Acq: 20 Oct 2015 1:28

Instrument :
BNA_G
ClientSampleId :
E5LK5DL

Tot Ion:149 Resp: 161
Ion Ratio Lower Upper
149 100
91 224.9 59.1 88.7#
206 78.9 17.9 26.9#

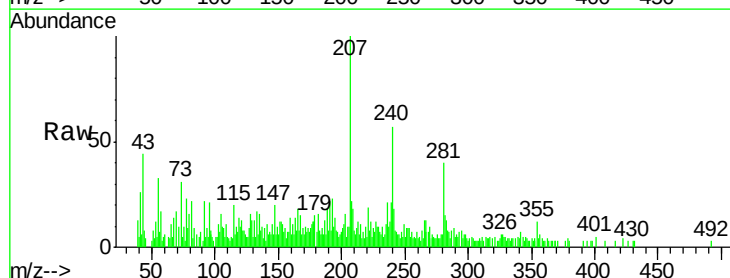


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

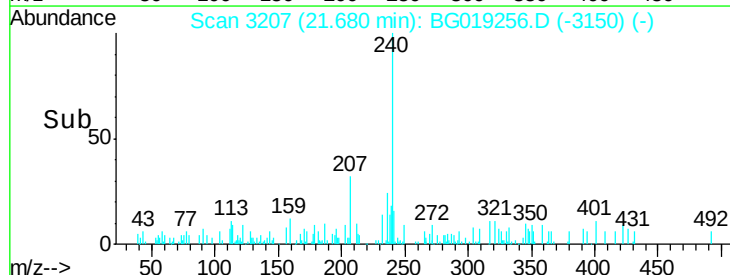
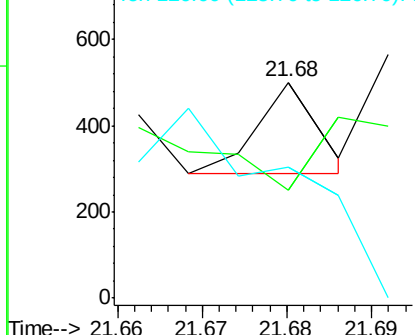


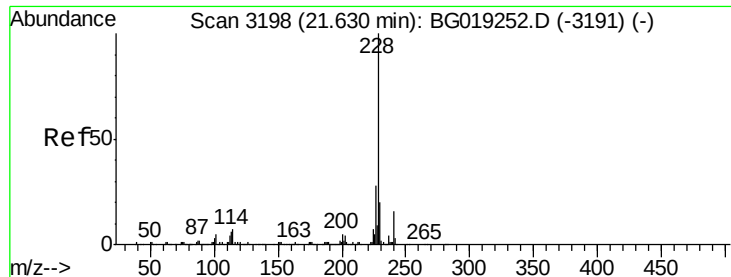
#82
3,3'-Dichlorobenzidine
Concen: 20.98 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. 0.13 min
Lab File: BG019256.D
Acq: 20 Oct 2015 1:28

Tgt Ion:252 Resp: 105
Ion Ratio Lower Upper
252 100
254 50.2 51.4 77.0#
126 60.6 7.9 11.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Benzo(a)anthracene

Concen: 14.80 ng/ul

RT: 21.74 min Scan# 3217

Delta R.T. 0.11 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampled :

E5LK5DL

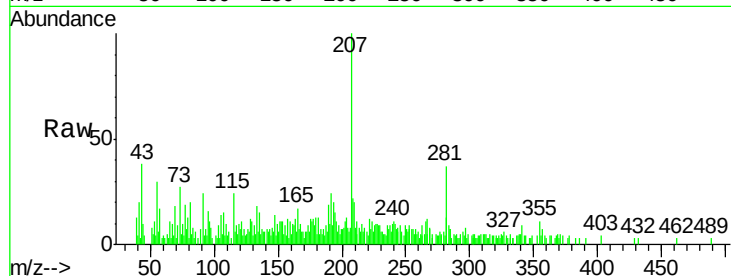
Tot Ion:228 Resp: 229

Ion Ratio Lower Upper

228 100

229 96.9 16.6 24.8#

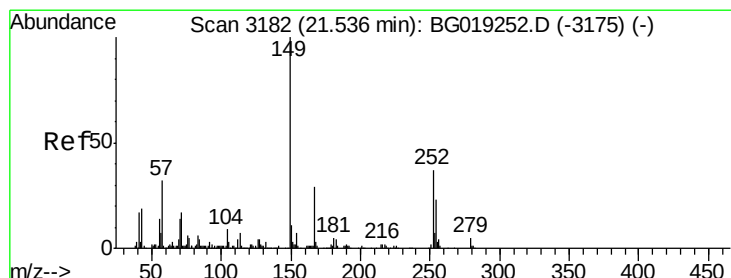
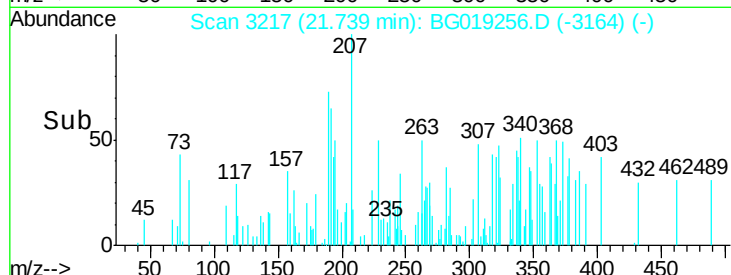
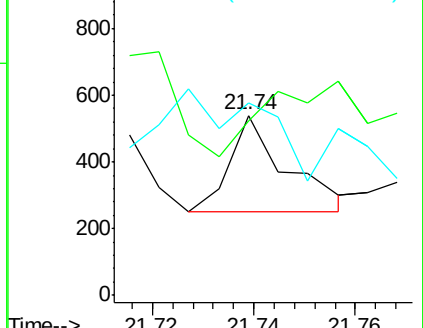
226 106.5 22.8 34.2#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 34.87 ng/ul

RT: 21.66 min Scan# 3203

Delta R.T. 0.12 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

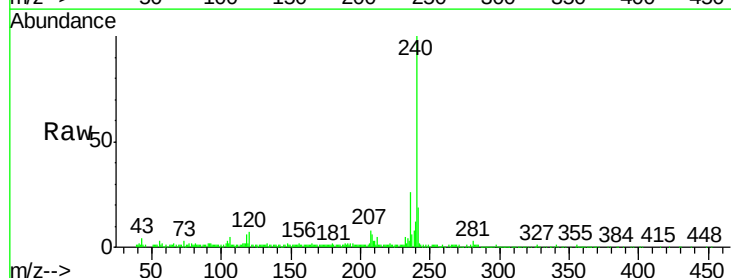
Tgt Ion:149 Resp: 285

Ion Ratio Lower Upper

149 100

167 87.3 22.8 34.2#

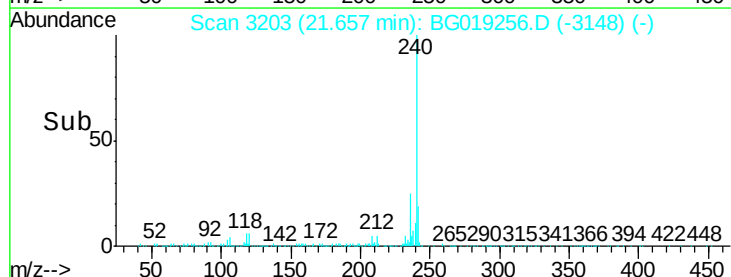
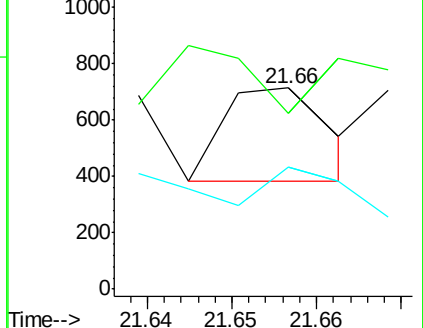
279 60.4 3.3 4.9#

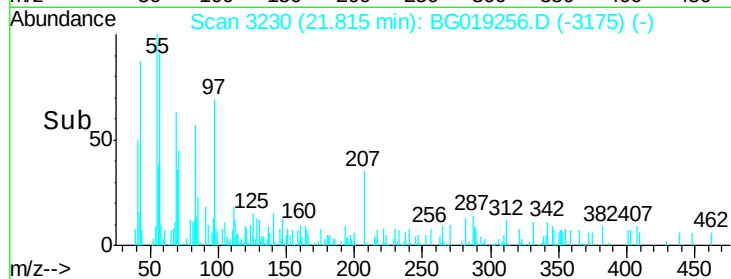
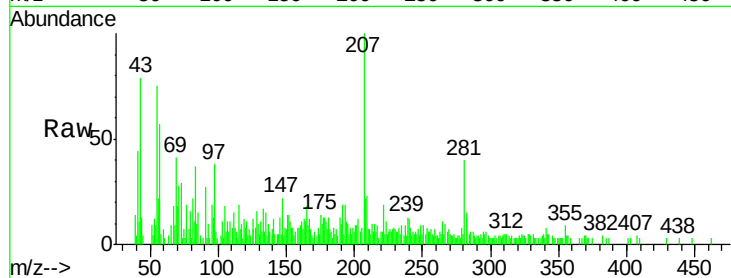
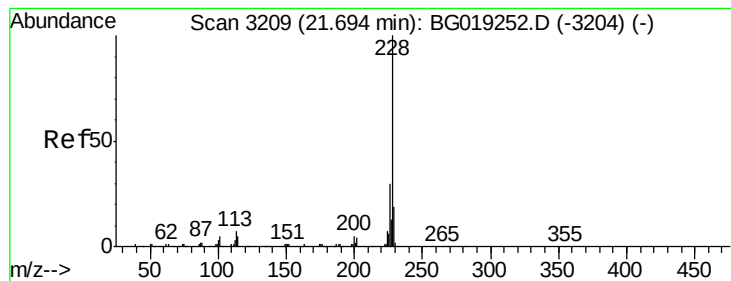


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 11.07 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. 0.12 min

Lab File: BG019256.D

Acq: 20 Oct 2015 1:28

Instrument :

BNA_G

ClientSampleId :

E5LK5DL

Tot Ion: 228 Resp: 162

Ion Ratio Lower Upper

228 100

226 100.3 24.2 36.2#

229 127.5 15.6 23.4#

