

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052316\
 Data File : BG022053.D
 Acq On : 23 May 2016 19:18
 Operator : UM/SJ
 Sample : H3124-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 24 07:45:41 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 07:40:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	39373	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	194218	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	98323	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	180555	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	163100	20.00	ng/ul	0.00
83) Perylene-d12	25.16	264	153814	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	2843	3.76	ng/uL	0.00
5) Phenol-d5	7.31	99	68088	19.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	34030	18.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	59705	20.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	56272	18.65	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	28537	19.92	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	30053	19.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	53404	19.51	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	58782	19.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	153992	20.85	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	212567	20.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	13767	10.83	ng/ul	0.00
57) Fluorene-d10	15.77	176	133181	19.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	9769	10.35	ng/ul	0.00
70) Anthracene-d10	17.63	188	177281	20.46	ng/ul	0.00
76) Pyrene-d10	19.91	212	181565	19.74	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.93	264	153906	21.56	ng/ul	0.00

Target Compounds

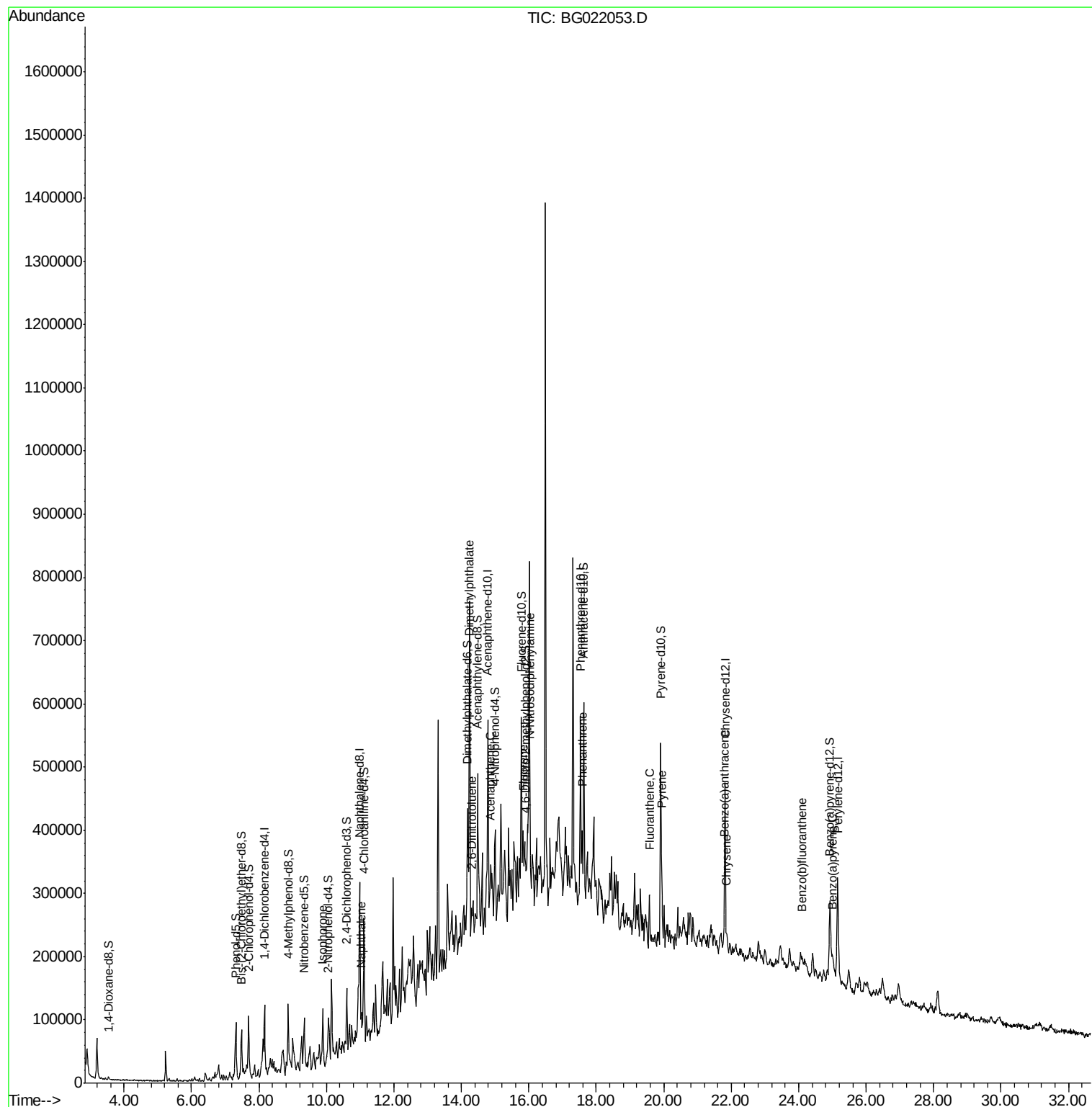
					Ovalue
21) Isophorone	9.89	82	12082	1.95 ng/ul#	1
28) Naphthalene	11.03	128	20292	2.06 ng/ul#	90
44) Dimethylphthalate	14.23	163	63296	8.53 ng/ul#	96
45) 2,6-Dinitrotoluene	14.32	165	2065	1.30 ng/ul#	15
49) Acenaphthene	14.85	153	13906	1.92 ng/ul	86
58) Fluorene	15.83	166	20070	2.65 ng/ul#	88
64) N-Nitrosodiphenylamine	16.03	169	18622	3.26 ng/ul#	48
69) Phenanthrene	17.57	178	70524	7.02 ng/ul#	93
74) Fluoranthene	19.58	202	45548	4.44 ng/ul	98
77) Pyrene	19.93	202	70344	6.13 ng/ul	96
80) Benzo(a)anthracene	21.79	228	18156	1.90 ng/ul#	70
82) Chrysene	21.86	228	24893	2.71 ng/ul#	76
85) Benzo(b)fluoranthene	24.09	252	12905	1.43 ng/ul#	39
88) Benzo(a)pyrene	25.00	252	12660	1.46 ng/ul#	70

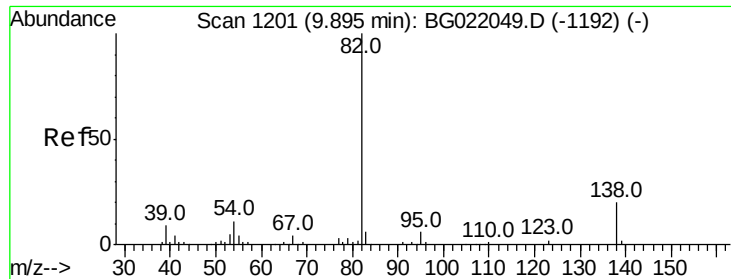
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 24 07:40:24 2016
Response via : Initial Calibration





#21

Isophorone

Concen: 1.95 ng/ul

RT: 9.89 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Instrument :

BNA_G

ClientSampled :

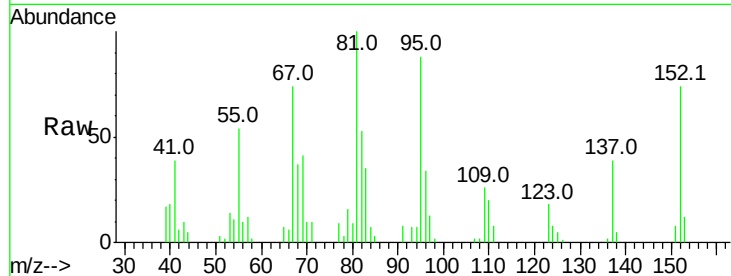
Tot Ion: 82 Resp: 12082

Ion Ratio Lower Upper

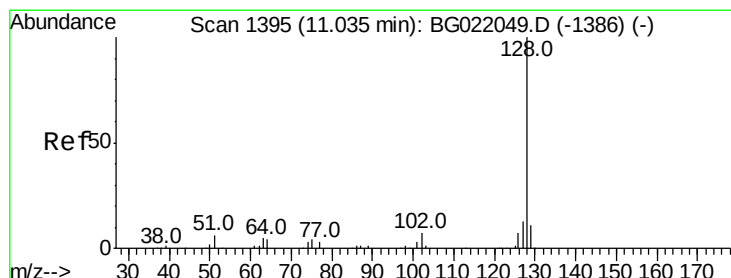
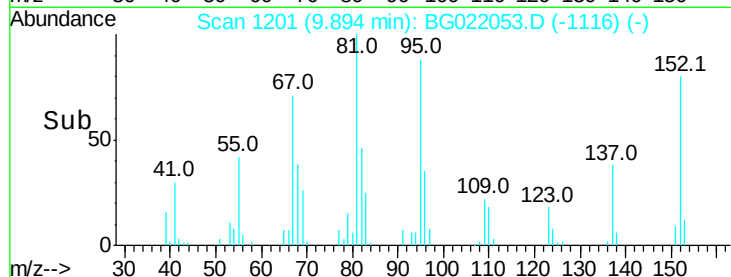
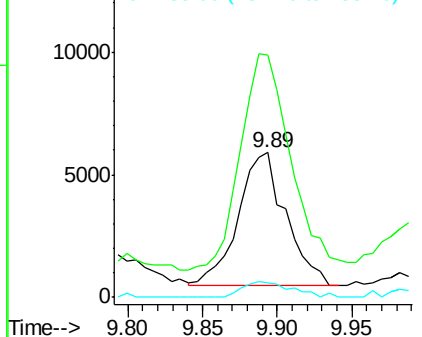
82 100

95 167.1 5.1 7.7#

138 10.1 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#28

Naphthalene

Concen: 2.06 ng/ul

RT: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

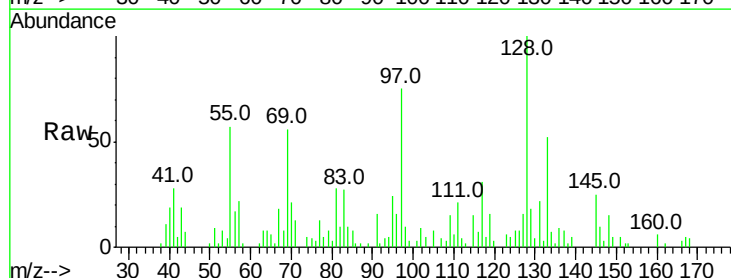
Tgt Ion: 128 Resp: 20292

Ion Ratio Lower Upper

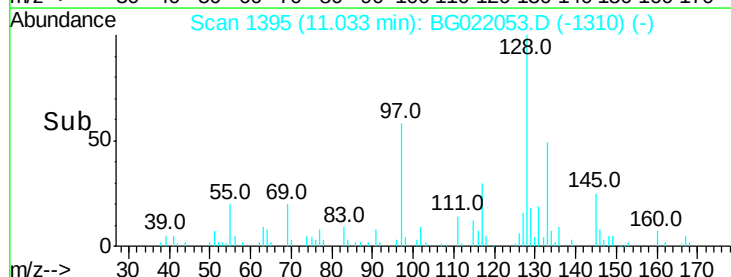
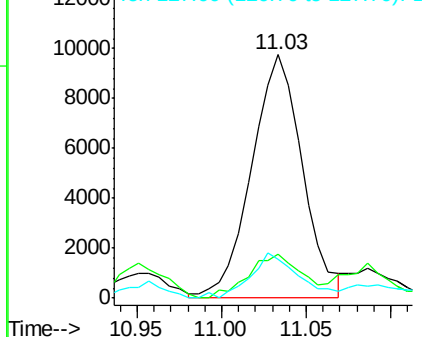
128 100

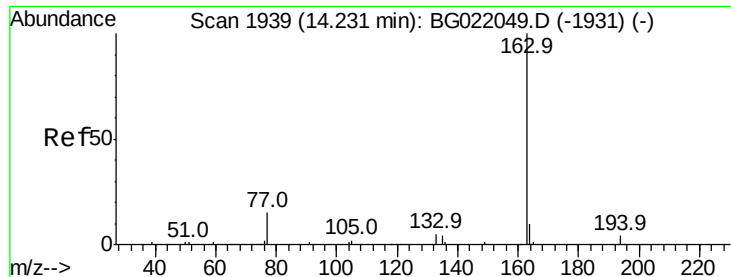
129 17.9 9.4 14.2#

127 15.9 11.2 16.8



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





#44

Dimethylphthalate

Concen: 8.53 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Instrument :

BNA_G

ClientSampleId :

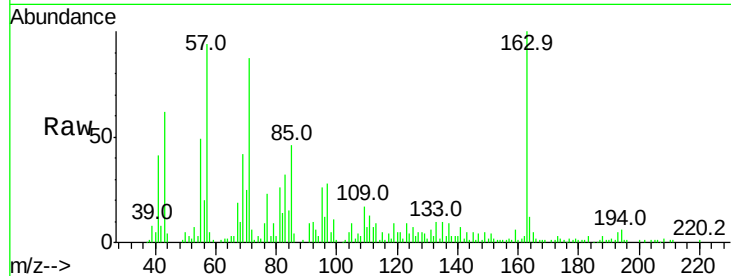
Tot Ion:163 Resp: 63296

Ion Ratio Lower Upper

163 100

194 6.0 3.4 5.2#

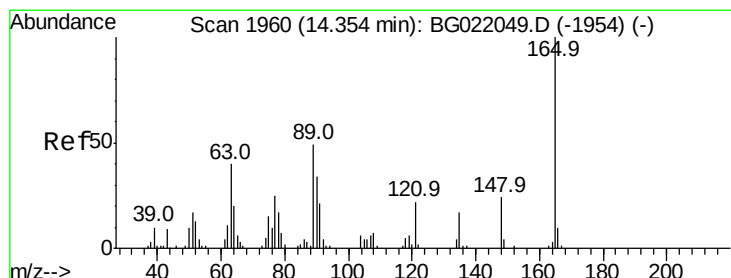
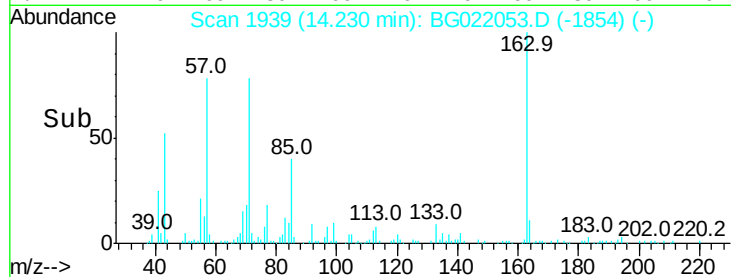
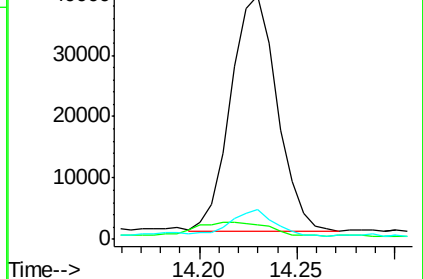
164 12.1 8.8 13.2



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



#45

2,6-Dinitrotoluene

Concen: 1.30 ng/ul

RT: 14.32 min Scan# 1954

Delta R.T. -0.04 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

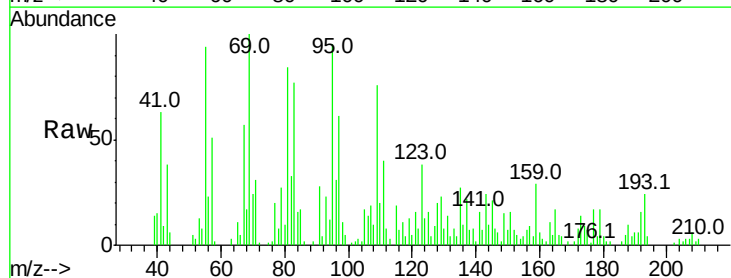
Tgt Ion:165 Resp: 2065

Ion Ratio Lower Upper

165 100

89 12.0 41.5 62.3#

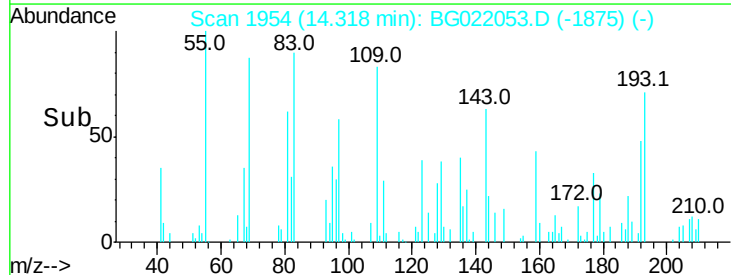
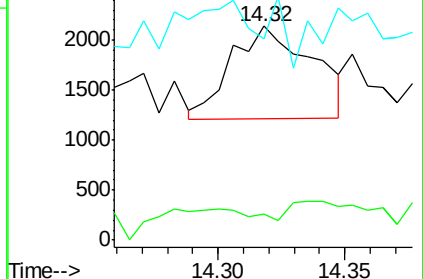
121 94.1 17.0 25.4#

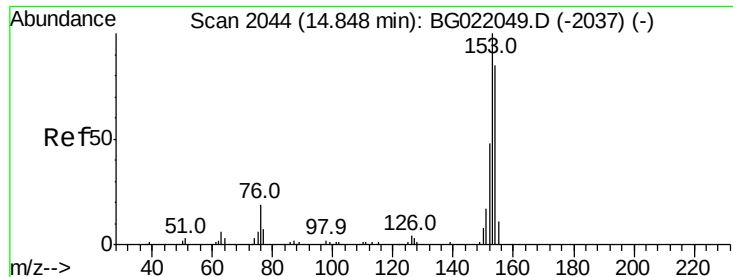


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG0

Ion 121.00 (120.70 to 121.70): E





#49

Acenaphthene

Concen: 1.92 ng/ul

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Instrument :

BNA_G

ClientSampleId :

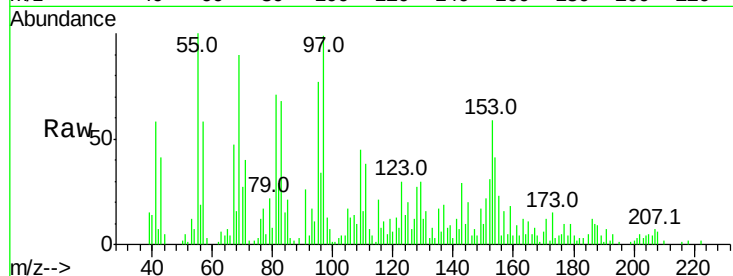
Tot Ion:153 Resp: 13906

Ion Ratio Lower Upper

153 100

152 51.8 37.3 55.9

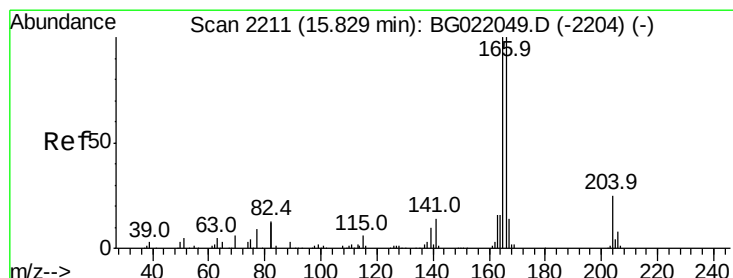
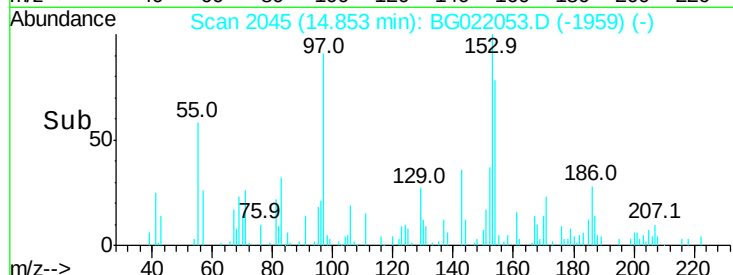
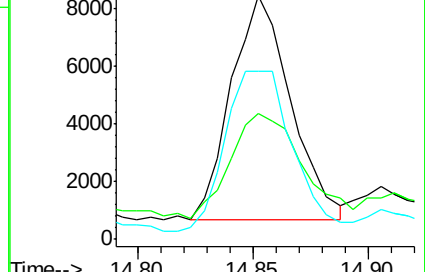
154 69.2 68.2 102.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 2.65 ng/ul

RT: 15.83 min Scan# 2212

Delta R.T. 0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

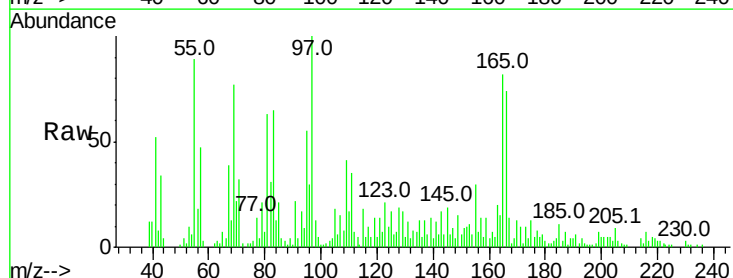
Tgt Ion:166 Resp: 20070

Ion Ratio Lower Upper

166 100

165 112.1 80.3 120.5

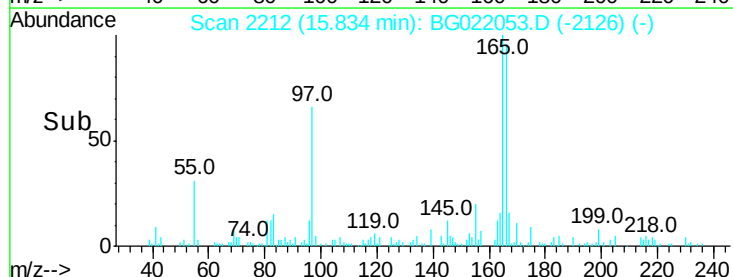
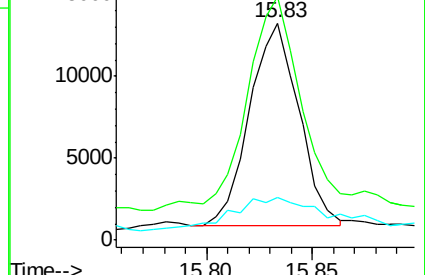
167 19.5 10.3 15.5#

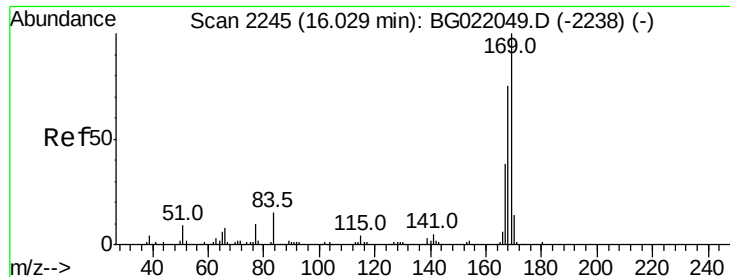


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

N-Nitrosodiphenylamine

Concen: 3.26 ng/ul

RT: 16.03 min Scan# 2246

Delta R.T. 0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Instrument :

BNA_G

ClientSampled :

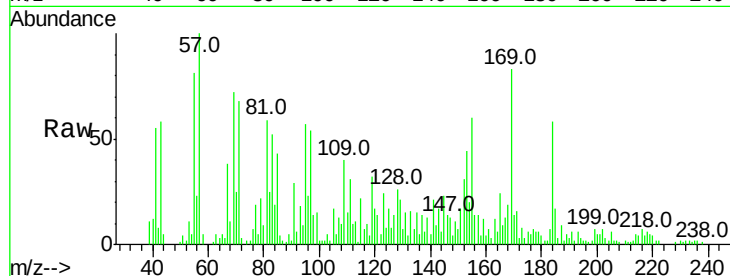
Tot Ion:169 Resp: 18622

Ion Ratio Lower Upper

169 100

168 22.9 59.0 88.6#

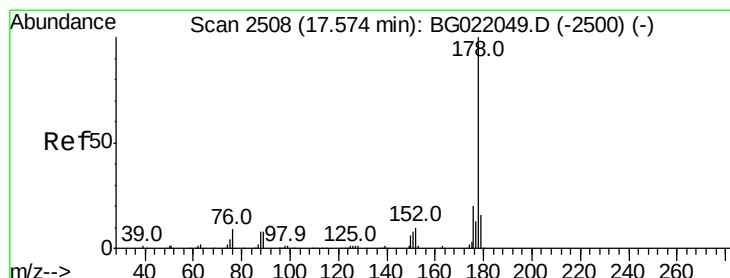
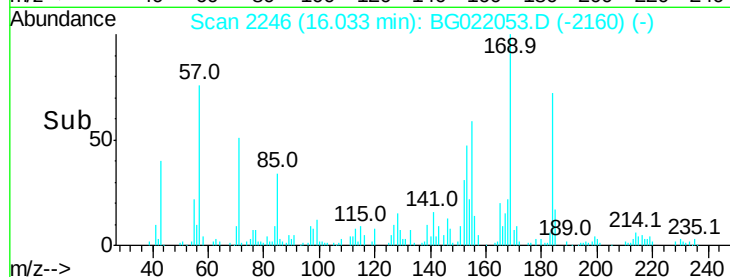
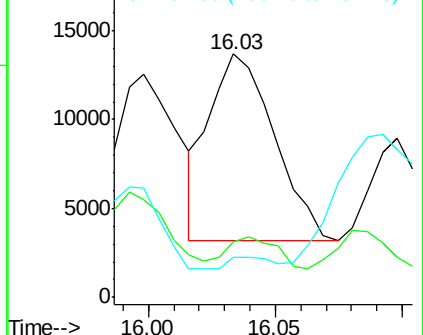
167 16.2 30.6 46.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 7.02 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

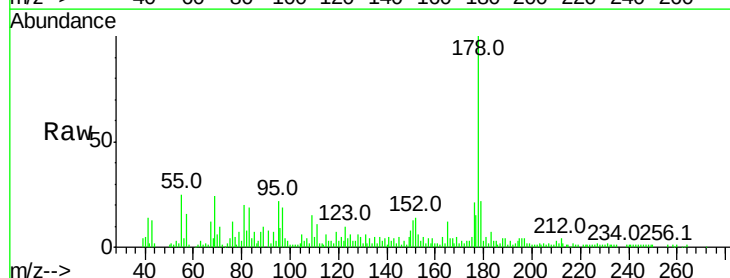
Tgt Ion:178 Resp: 70524

Ion Ratio Lower Upper

178 100

179 21.8 12.9 19.3#

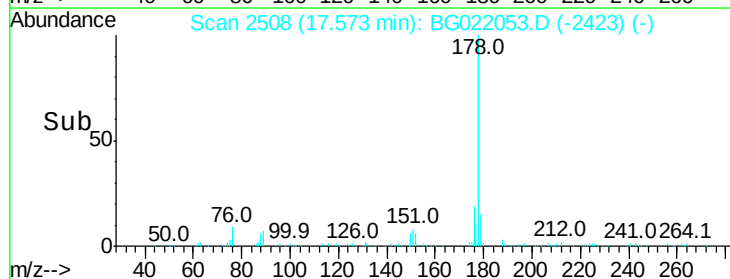
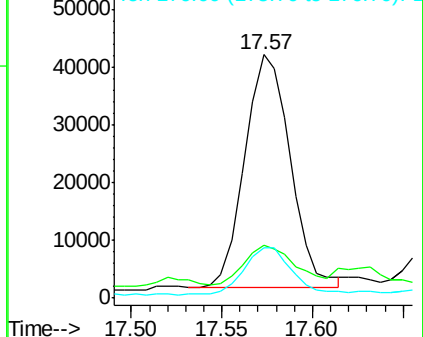
176 20.7 15.8 23.8

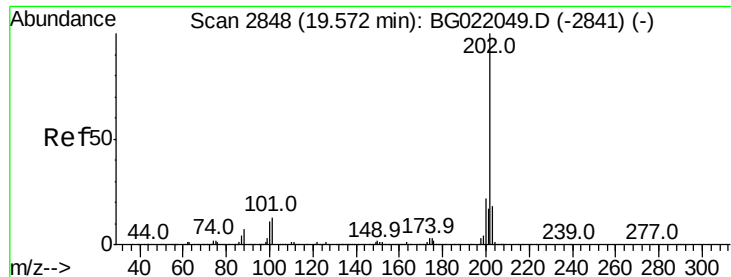


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 4.44 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Instrument :

BNA_G

ClientSampleId :

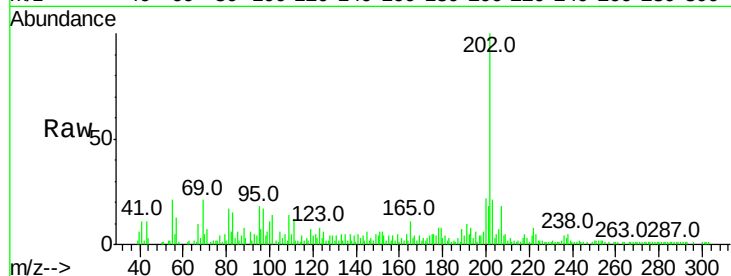
Tot Ion:202 Resp: 45548

Ion Ratio Lower Upper

202 100

101 14.4 10.6 16.0

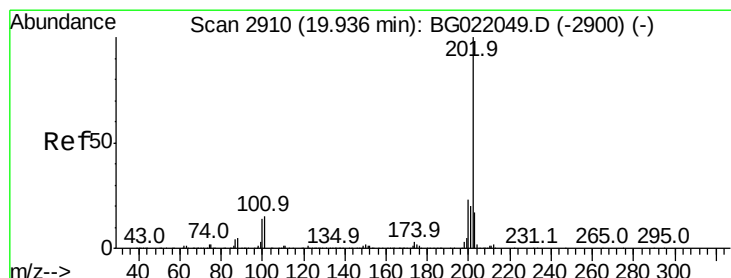
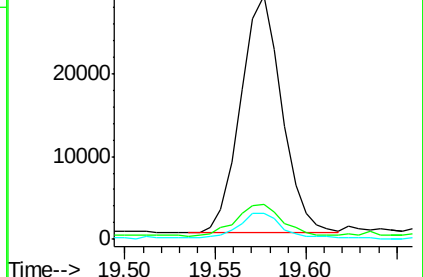
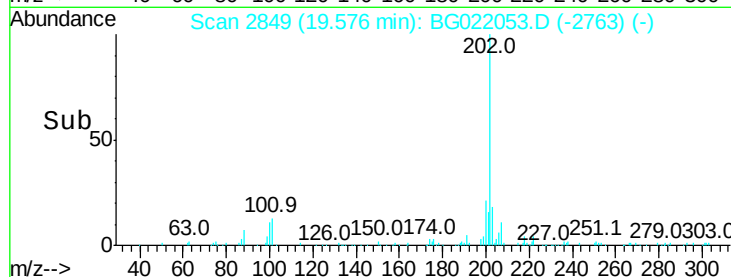
100 10.7 8.7 13.1



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): B



#77

Pyrene

Concen: 6.13 ng/ul

RT: 19.93 min Scan# 2910

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

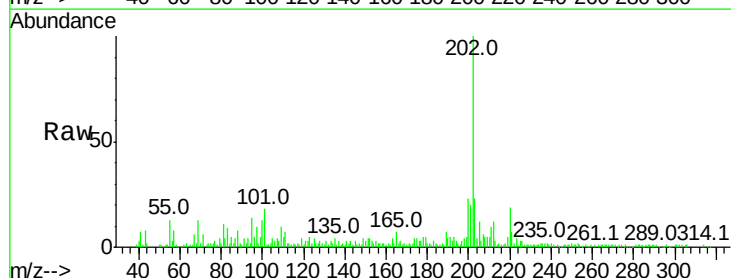
Tgt Ion:202 Resp: 70344

Ion Ratio Lower Upper

202 100

101 18.3 12.5 18.7

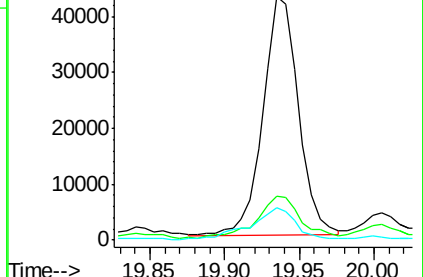
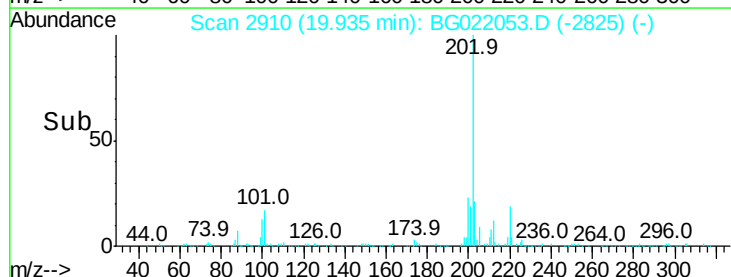
100 13.3 10.2 15.4

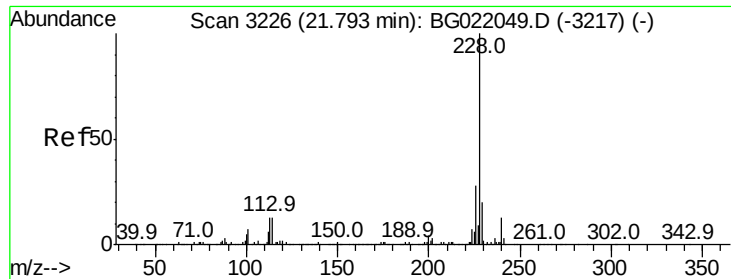


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.90 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

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ClientSampleId :

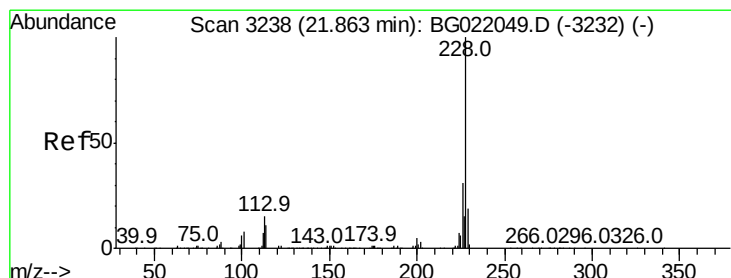
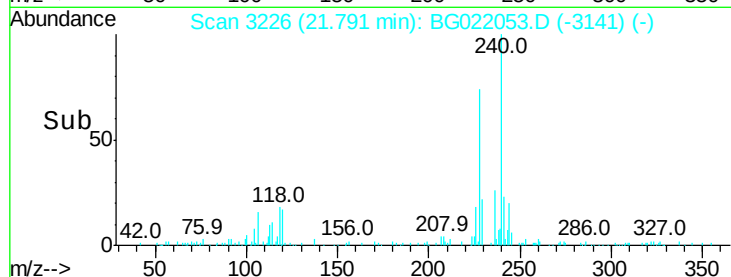
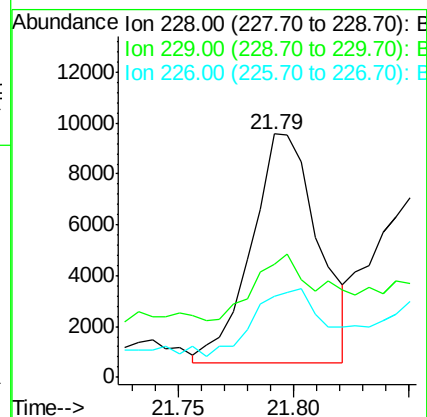
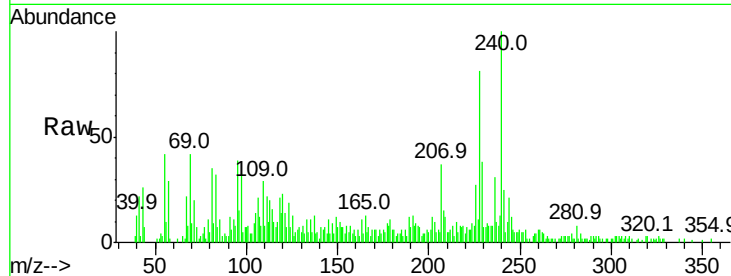
Tot Ion:228 Resp: 18156

Ion Ratio Lower Upper

228 100

229 46.6 15.4 23.2#

226 33.2 22.8 34.2



#82

Chrysene

Concen: 2.71 ng/ul

RT: 21.86 min Scan# 3238

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

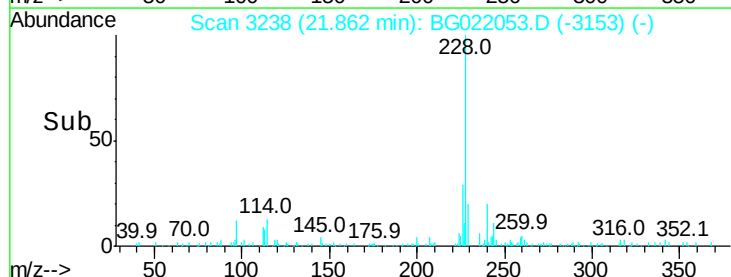
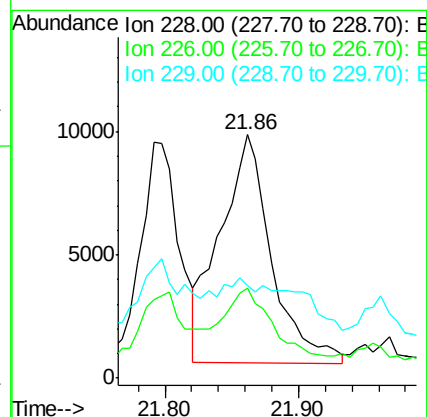
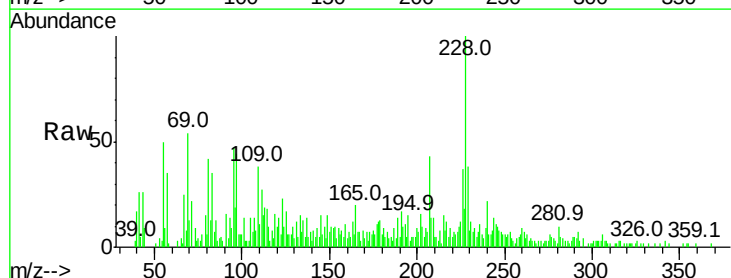
Tgt Ion:228 Resp: 24893

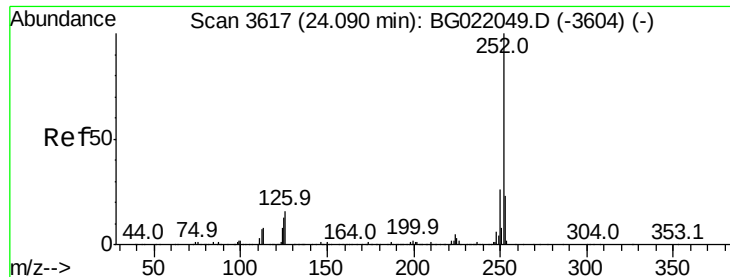
Ion Ratio Lower Upper

228 100

226 37.0 24.2 36.4#

229 38.3 15.0 22.6#





#85

Benzo(b)fluoranthene

Concen: 1.43 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. -0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Instrument :

BNA_G

ClientSampled :

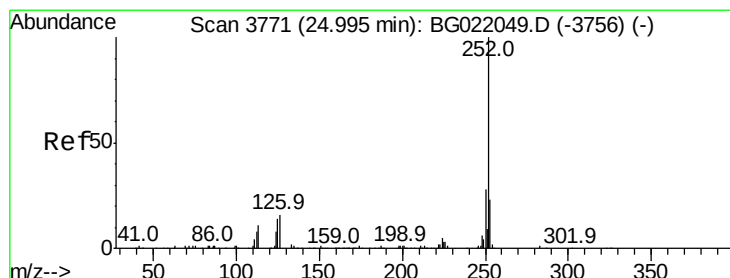
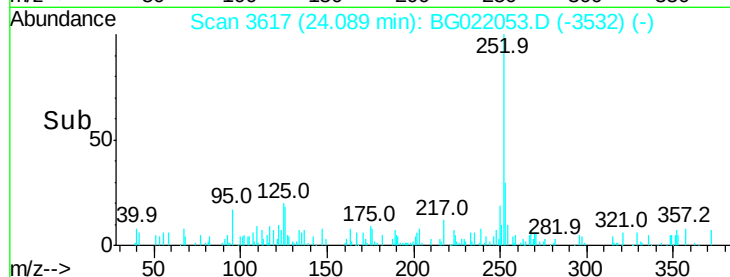
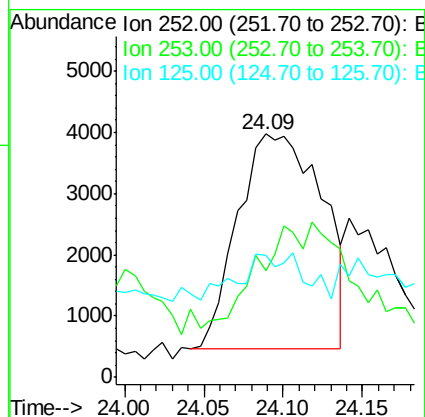
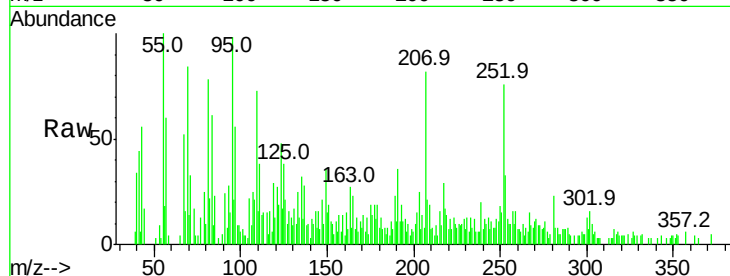
Tot Ion:252 Resp: 12905

Ion Ratio Lower Upper

252 100

253 43.9 18.2 27.2#

125 49.9 10.8 16.2#



#88

Benzo(a)pyrene

Concen: 1.46 ng/ul

RT: 25.00 min Scan# 3772

Delta R.T. 0.00 min

Lab File: BG022053.D

Acq: 23 May 2016 19:18

Tgt Ion:252 Resp: 12660

Ion Ratio Lower Upper

252 100

253 32.8 19.0 28.4#

125 34.7 12.0 18.0#

