

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016190.D
 Acq On : 28 Mar 2015 00:06
 Operator : TP/IZ
 Sample : G1647-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:09:56 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG031715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 28 05:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	60859	20.00	ng/ul	0.00
18) Naphthalene-d8	10.58	136	268308	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.41	164	155303	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	306873	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	314556	20.00	ng/ul	0.01
83) Perylene-d12	23.62	264	326825	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.96	99	148107	27.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.12	67	77827	25.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.32	132	115336	27.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	113848	27.70	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	61742	28.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	64779	31.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	104094	27.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.71	131	138350	26.57	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	289582	28.60	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	388767	27.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	57349	23.72	ng/ul	0.00
57) Fluorene-d10	15.41	176	266715	26.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	22886	14.27	ng/ul	0.00
70) Anthracene-d10	17.26	188	377668	26.94	ng/ul	0.00
76) Pyrene-d10	19.55	212	371747	26.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	337843	23.70	ng/ul	0.02

Target Compounds

					Ovalue
28) Naphthalene	10.62	128	27180	1.88 ng/ul	99
44) Dimethylphthalate	13.87	163	97016	8.44 ng/ul	99
47) Acenaphthylene	14.14	152	118694	7.51 ng/ul	99
49) Acenaphthene	14.48	153	223950	21.17 ng/ul	98
53) Dibenzofuran	14.81	168	240016	16.80 ng/ul	99
58) Fluorene	15.46	166	312063	25.01 ng/ul	99
60) 4-Nitroaniline	15.47	138	3951	1.21 ng/ul#	36
64) N-Nitrosodiphenylamine	15.67	169	11187	1.15 ng/ul#	52
69) Phenanthrene	17.21	178	2632979	150.94 ng/ul#	74
71) Anthracene	17.29	178	1055849	59.62 ng/ul	97
72) Carbazole	17.56	167	86865	5.10 ng/ul	97
74) Fluoranthene	19.37	202	66214	3.36 ng/ul	97
77) Pyrene	19.59	202	3023910	156.23 ng/ul#	76
80) Benzo(a)anthracene	21.32	228	2081551	116.80 ng/ul#	80
82) Chrysene	21.37	228	1743378	102.82 ng/ul#	84
85) Benzo(b)fluoranthene	22.94	252	2191716	116.83 ng/ul#	92
86) Benzo(k)fluoranthene	22.94	252	1134114	61.22 ng/ul#	91
88) Benzo(a)pyrene	23.54	252	1698976	90.89 ng/ul	92
89) Indeno(1,2,3-cd)pyrene	25.98	276	1051359	48.61 ng/ul	94
90) Dibenzo(a,h)anthracene	25.98	278	310000	17.10 ng/ul#	75
91) Benzo(a,h,i)perylene	26.70	276	752812	41.43 ng/ul	97

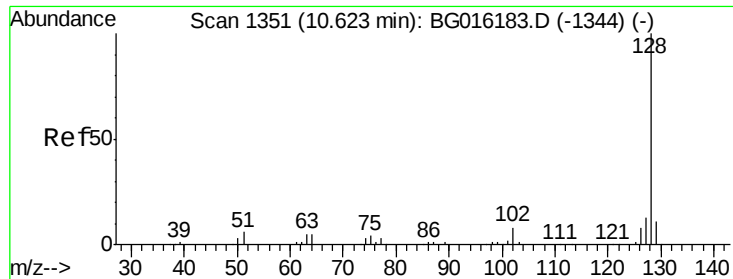
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016190.D
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 28 05:59:58 2015
Response via : Initial Calibration

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

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



#28

Naphthalene

Concen: 1.88 ng/ul

RT: 10.62 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

ClientSampleId :

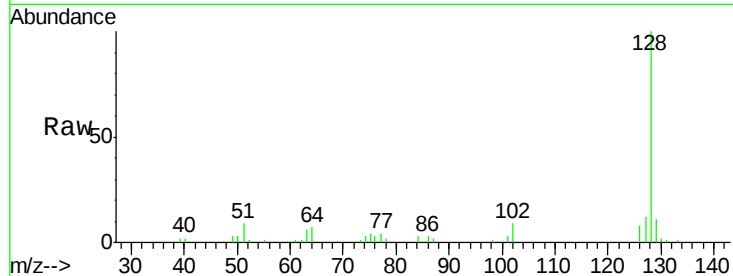
Tot Ion:128 Resp: 27180

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

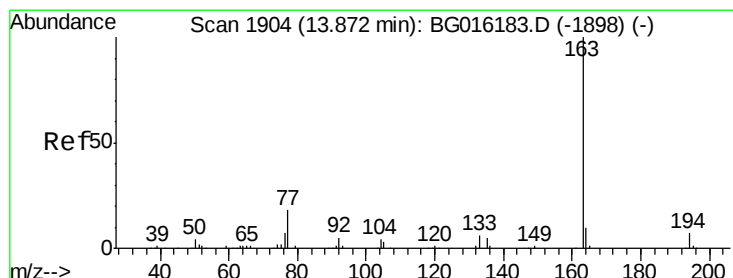
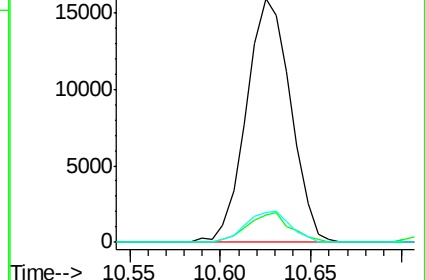
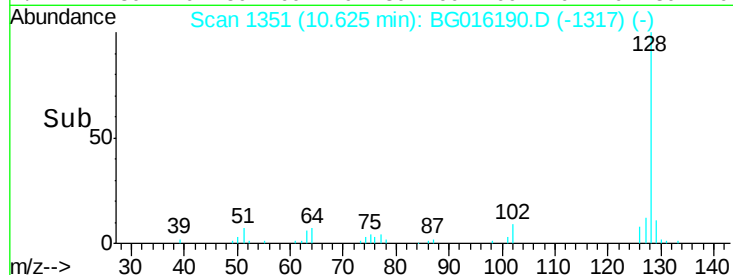
127 12.3 10.4 15.6



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



#44

Dimethylphthalate

Concen: 8.44 ng/ul

RT: 13.87 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

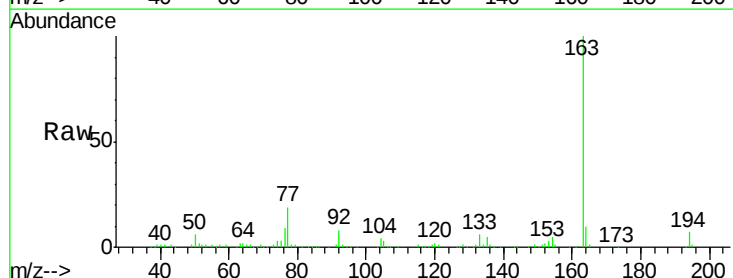
Tgt Ion:163 Resp: 97016

Ion Ratio Lower Upper

163 100

194 6.7 5.4 8.0

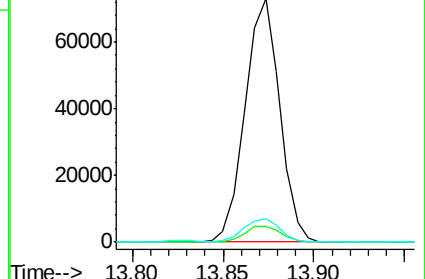
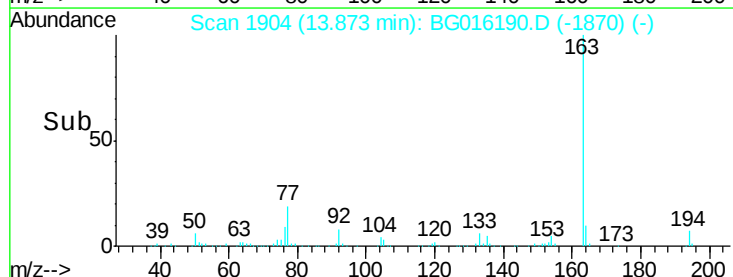
164 9.8 8.2 12.4

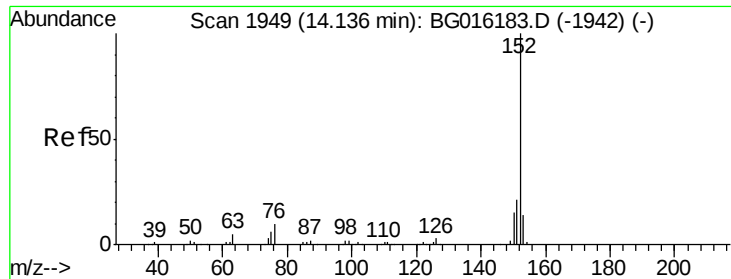


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

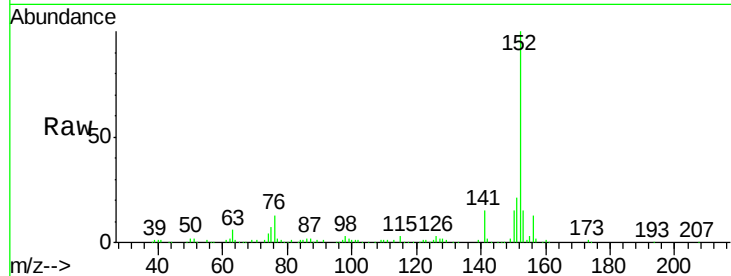




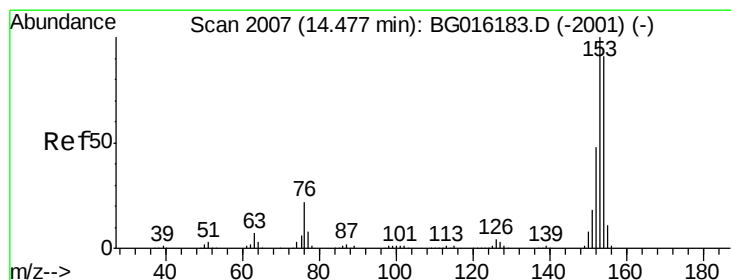
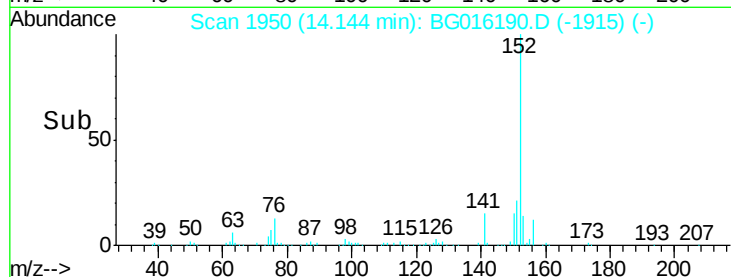
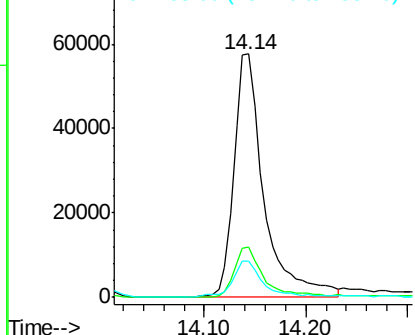
#47
Acenaphthylene
Concen: 7.51 ng/ul
RT: 14.14 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BG016190.D
Acq: 28 Mar 2015 00:06

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 118694
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 14.7 11.0 16.6

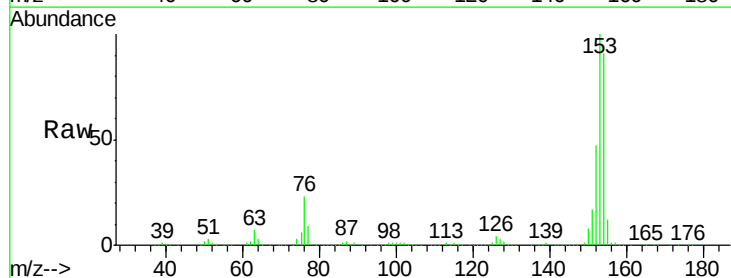


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

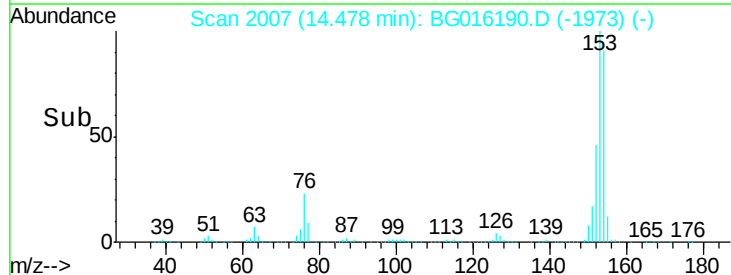
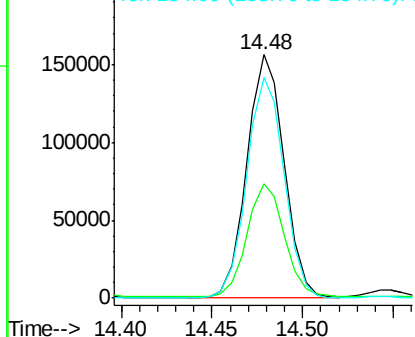


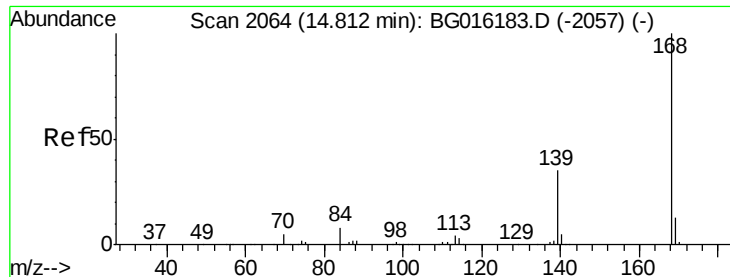
#49
Acenaphthene
Concen: 21.17 ng/ul
RT: 14.48 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BG016190.D
Acq: 28 Mar 2015 00:06

Tgt Ion:153 Resp: 223950
Ion Ratio Lower Upper
153 100
152 46.8 37.4 56.2
154 90.5 74.4 111.6



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





#53

Dibenzenofuran

Concen: 16.80 ng/ul

RT: 14.81 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

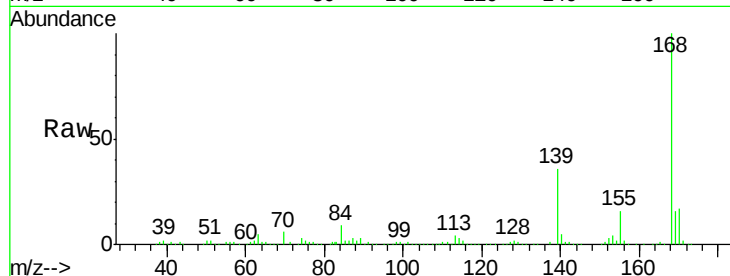
ClientSampleId :

Tot Ion:168 Resp: 240016

Ion Ratio Lower Upper

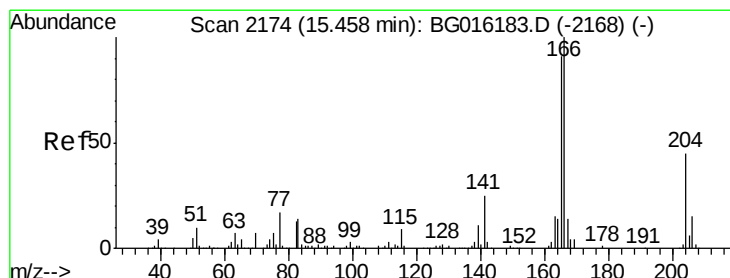
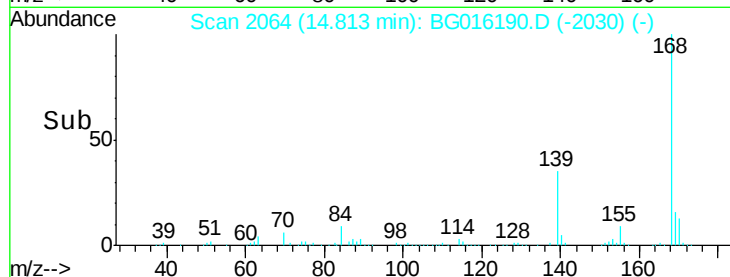
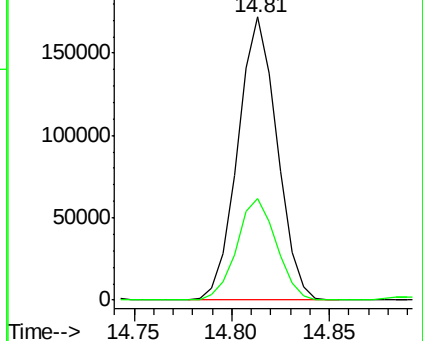
168 100

139 35.7 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 25.01 ng/ul

RT: 15.46 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

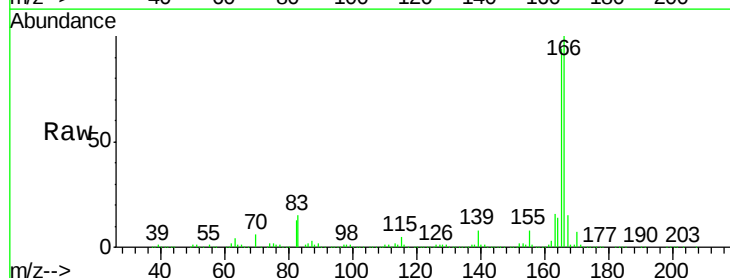
Tgt Ion:166 Resp: 312063

Ion Ratio Lower Upper

166 100

165 94.4 76.1 114.1

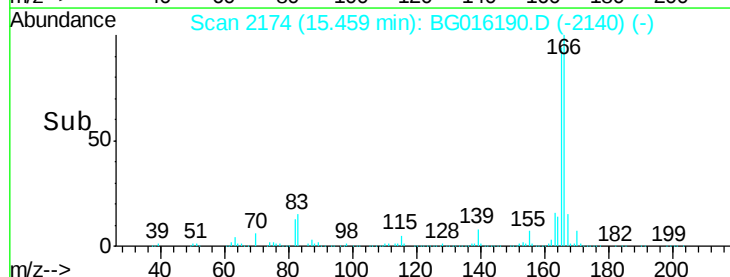
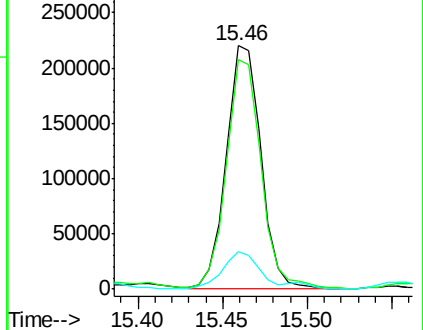
167 15.4 10.5 15.7

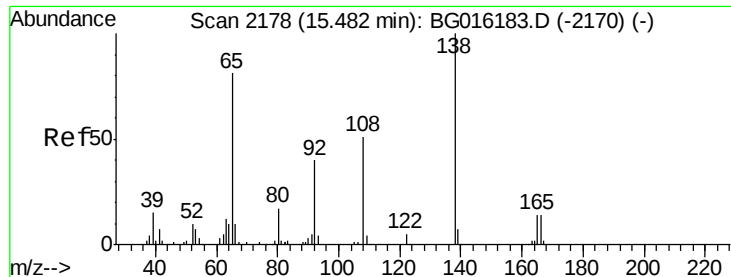


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

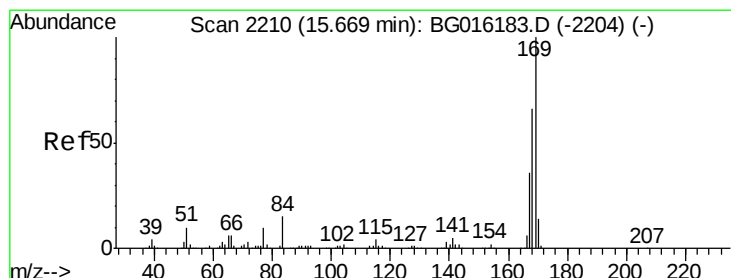
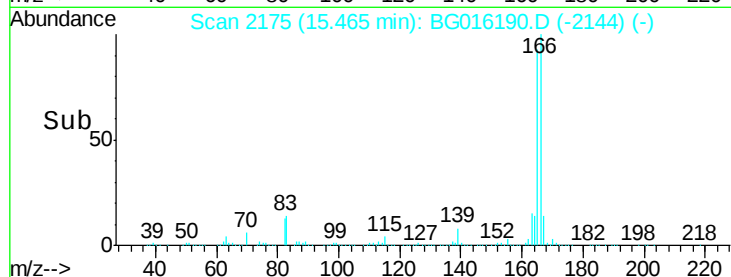
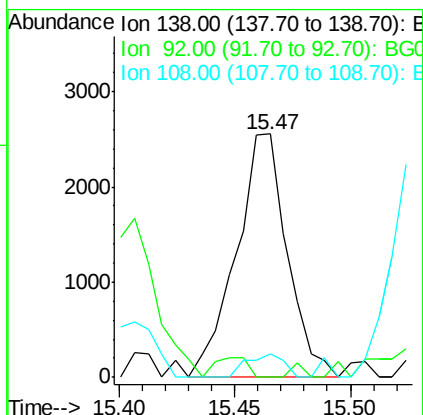
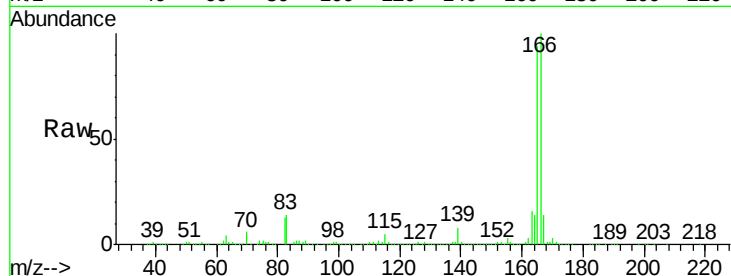




#60
4-Nitroaniline
Concen: 1.21 ng/ul
RT: 15.47 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BG016190.D
Acq: 28 Mar 2015 00:06

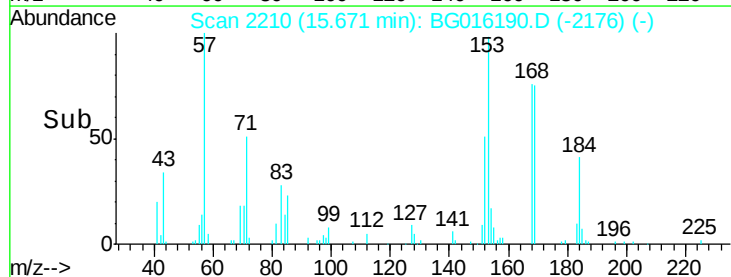
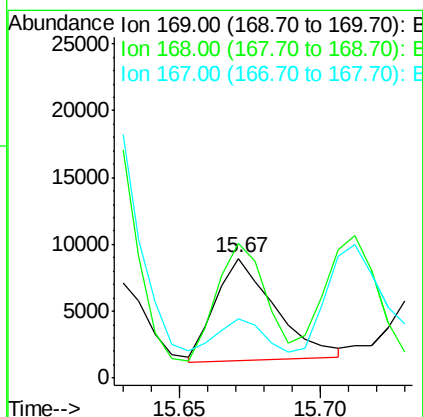
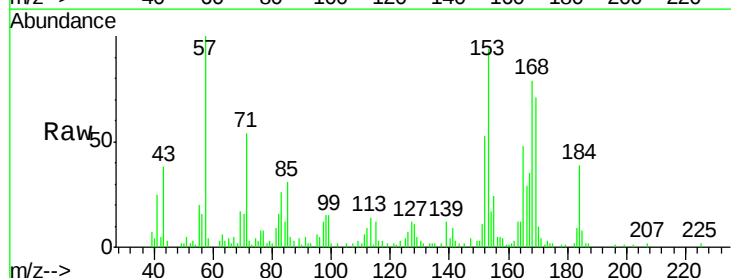
Instrument :
BNA_G
ClientSampleId :

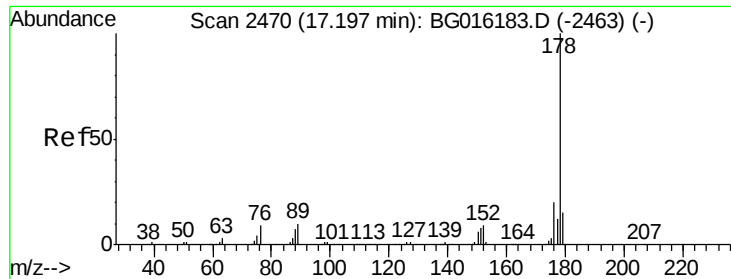
Tot Ion:138 Resp: 3951
Ion Ratio Lower Upper
138 100
92 0.0 35.5 53.3#
108 9.9 42.4 63.6#



#64
N-Nitrosodiphenylamine
Concen: 1.15 ng/ul
RT: 15.67 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BG016190.D
Acq: 28 Mar 2015 00:06

Tgt Ion:169 Resp: 11187
Ion Ratio Lower Upper
169 100
168 112.5 52.0 78.0#
167 49.4 28.0 42.0#





#69

Phenanthrene

Concen: 150.94 ng/ul

RT: 17.21 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

ClientSampleId :

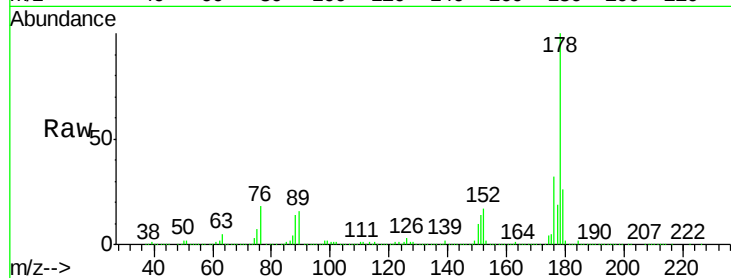
Tot Ion:178 Resp: 2632979

Ion Ratio Lower Upper

178 100

179 25.7 12.8 19.2#

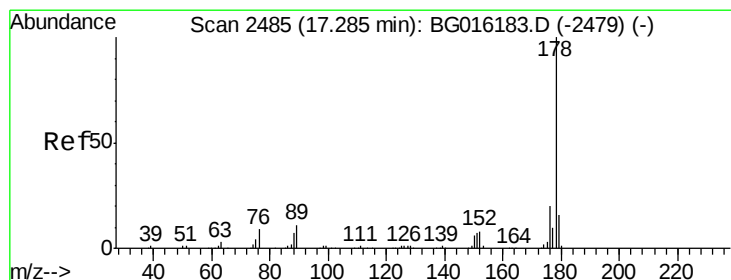
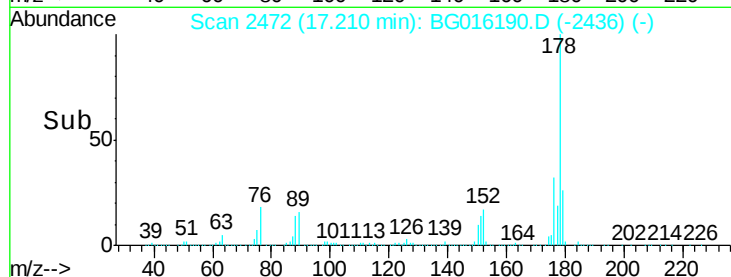
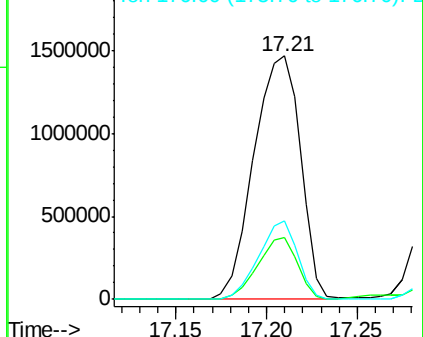
176 32.5 15.6 23.4#



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



#71

Anthracene

Concen: 59.62 ng/ul

RT: 17.29 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

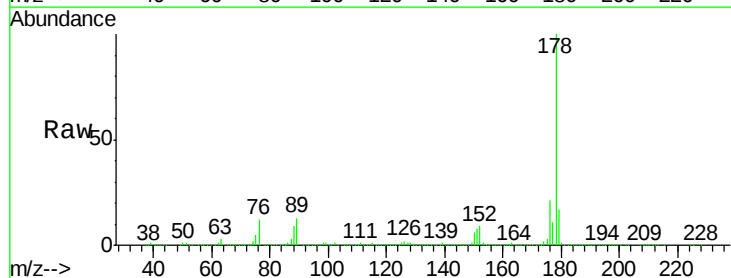
Tgt Ion:178 Resp: 1055849

Ion Ratio Lower Upper

178 100

179 17.0 12.7 19.1

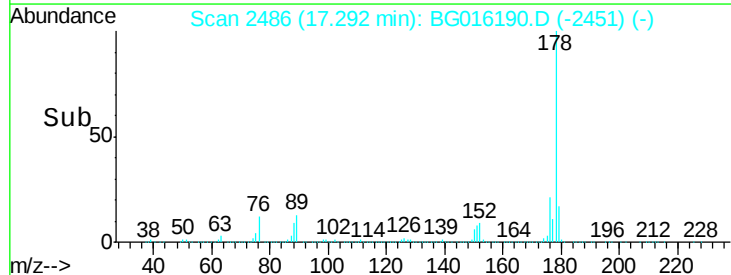
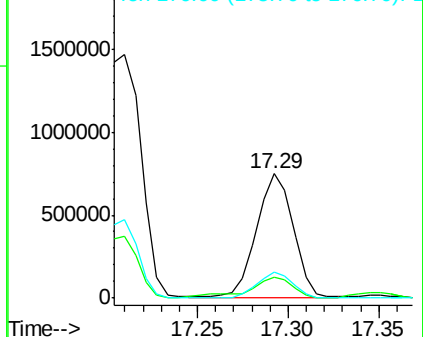
176 21.0 15.3 22.9

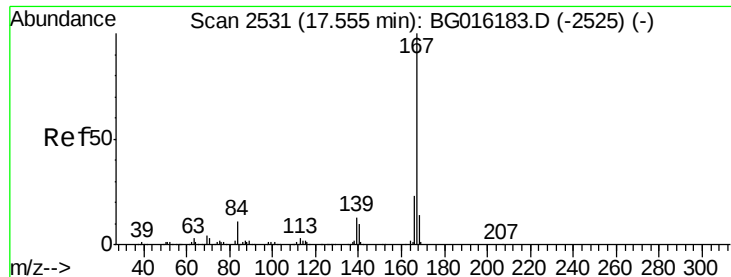


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.10 ng/ul

RT: 17.56 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

ClientSampleId :

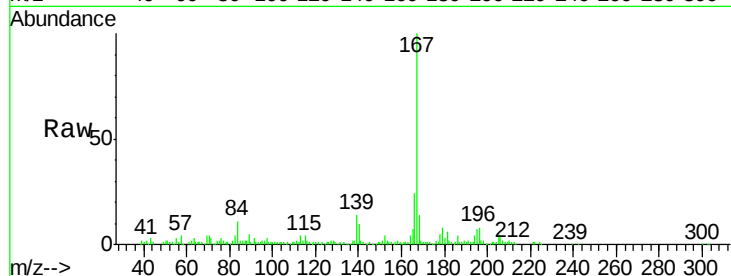
Tot Ion:167 Resp: 86865

Ion Ratio Lower Upper

167 100

166 24.5 18.2 27.2

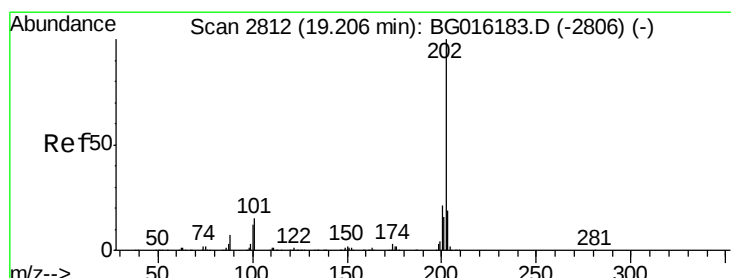
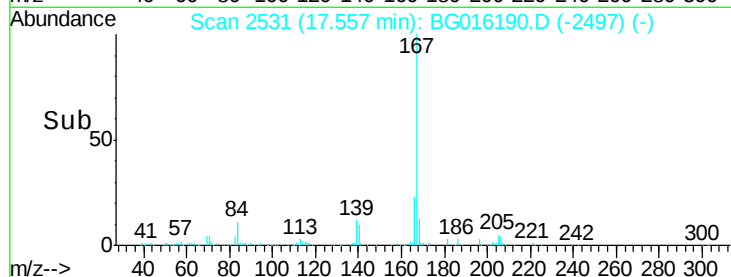
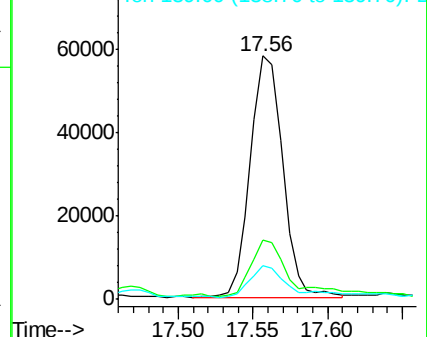
139 13.6 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 3.36 ng/ul

RT: 19.37 min Scan# 2839

Delta R.T. 0.16 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

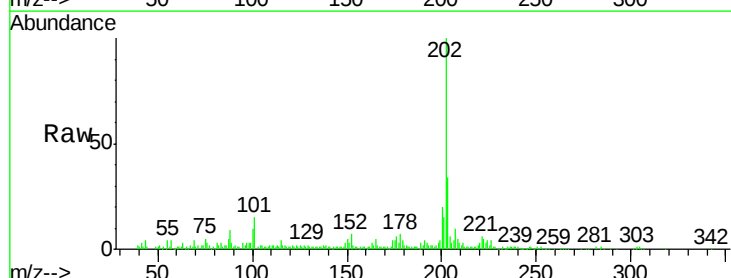
Tgt Ion:202 Resp: 66214

Ion Ratio Lower Upper

202 100

101 15.3 12.9 19.3

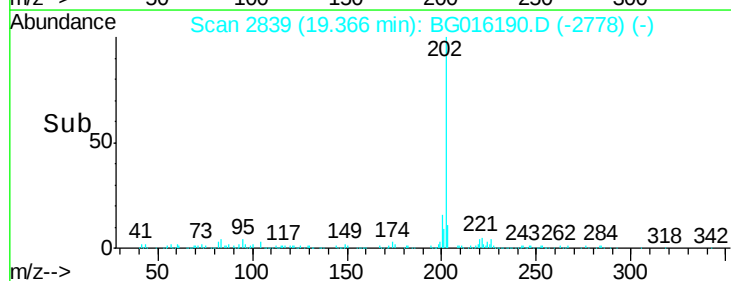
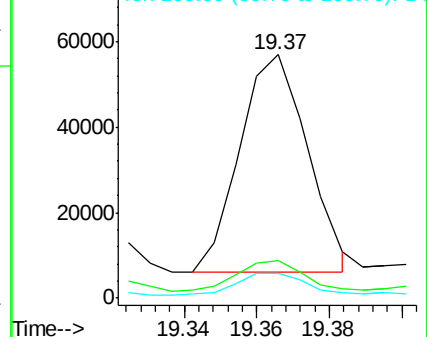
100 10.2 9.4 14.2

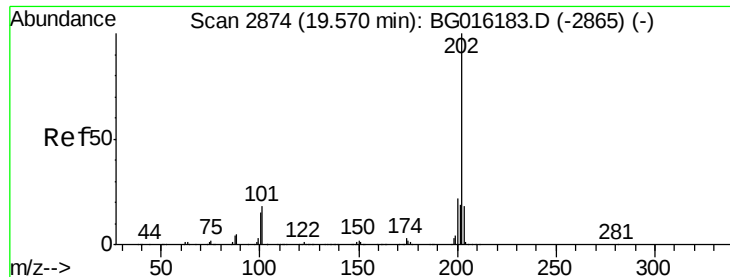


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 156.23 ng/ul

RT: 19.59 min Scan# 2877

Delta R.T. 0.02 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

ClientSampleId :

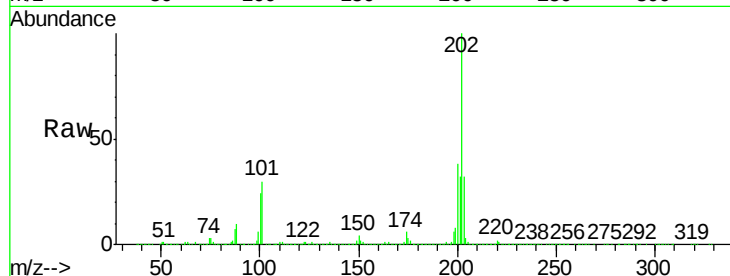
Tot Ion:202 Resp: 3023910

Ion Ratio Lower Upper

202 100

101 29.5 14.6 21.8#

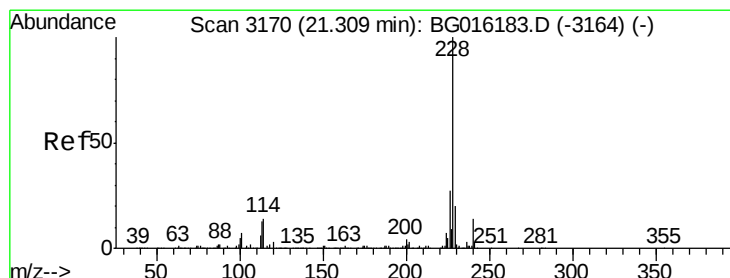
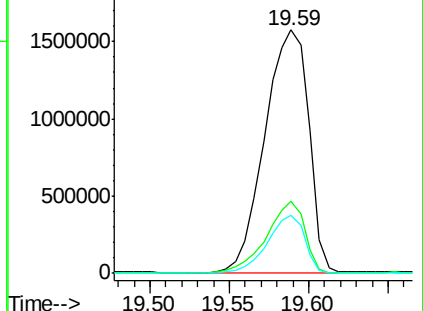
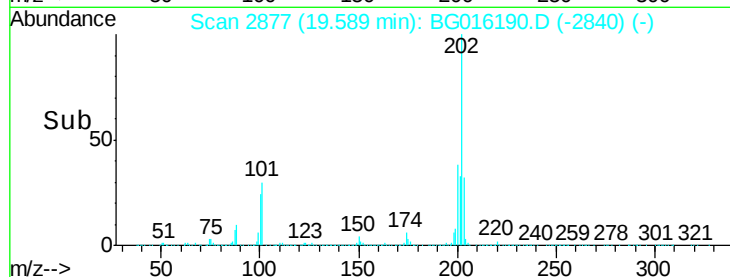
100 24.0 12.1 18.1#



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): E



#80

Benzo(a)anthracene

Concen: 116.80 ng/ul

RT: 21.32 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

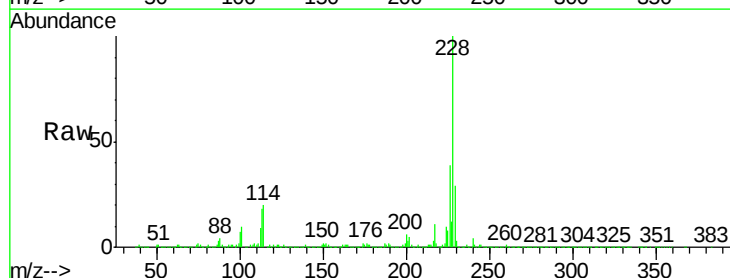
Tgt Ion:228 Resp: 2081551

Ion Ratio Lower Upper

228 100

229 29.1 16.2 24.4#

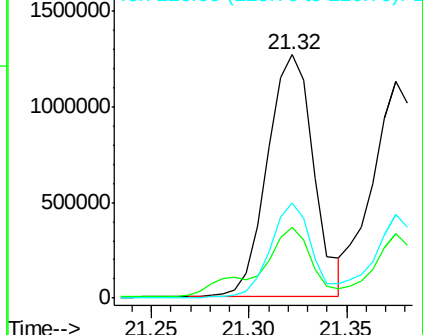
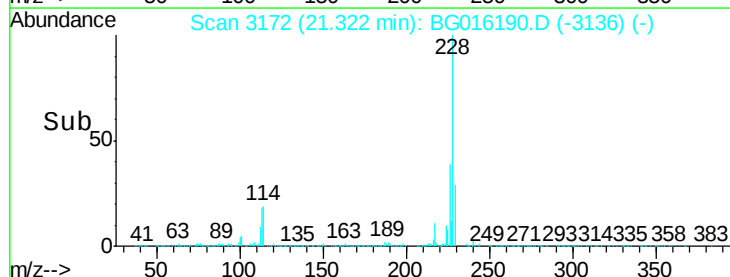
226 38.9 22.4 33.6#

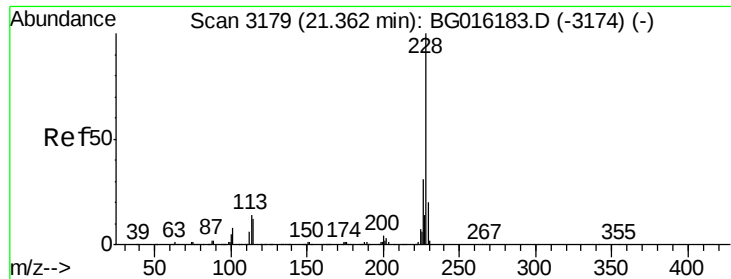


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 102.82 ng/ul

RT: 21.37 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

ClientSampleId :

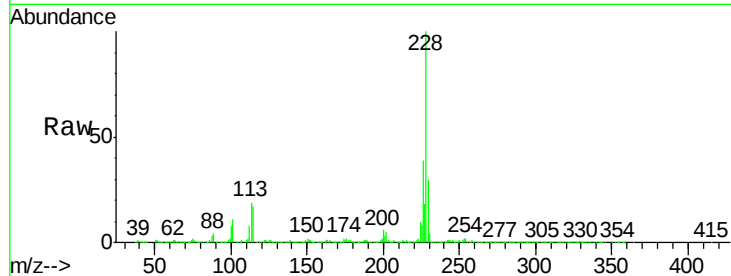
Tot Ion:228 Resp: 1743378

Ion Ratio Lower Upper

228 100

226 38.5 24.6 36.8#

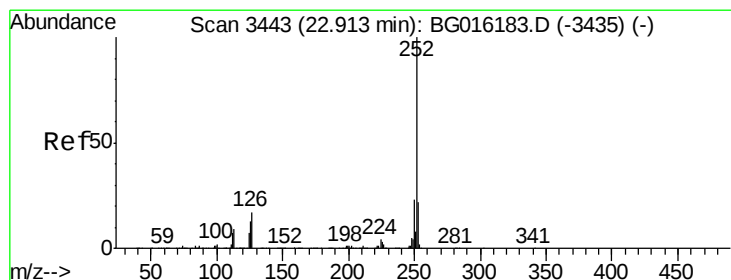
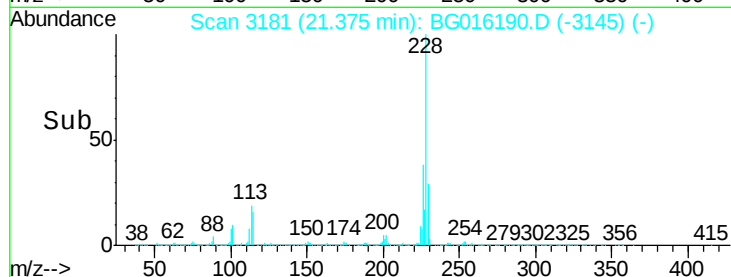
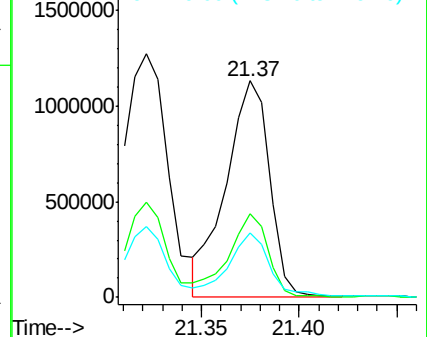
229 29.5 16.6 25.0#



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



#85

Benzo(b)fluoranthene

Concen: 116.83 ng/ul

RT: 22.94 min Scan# 3448

Delta R.T. 0.03 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

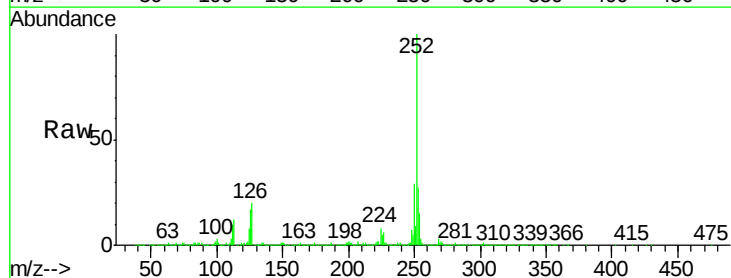
Tgt Ion:252 Resp: 2191716

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

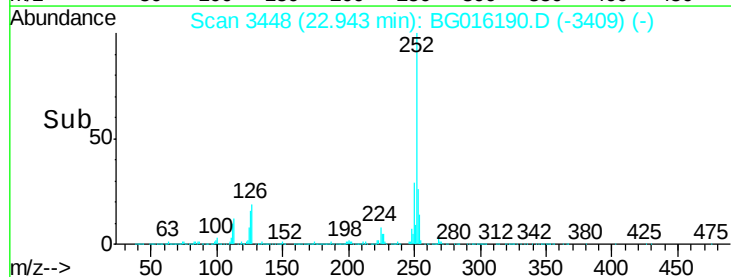
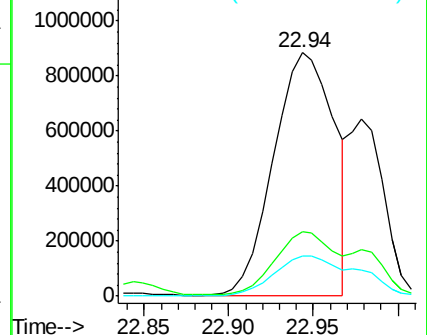
125 16.6 11.0 16.6#

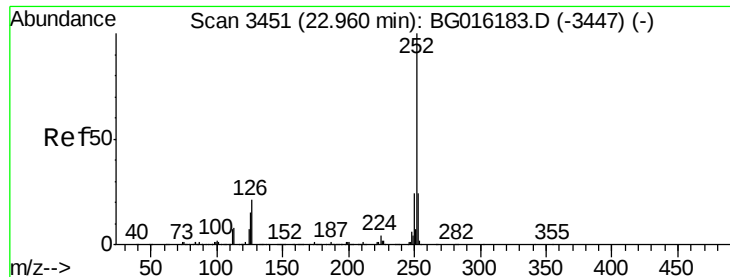


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

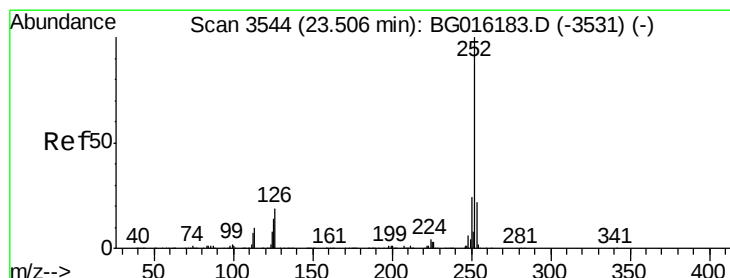
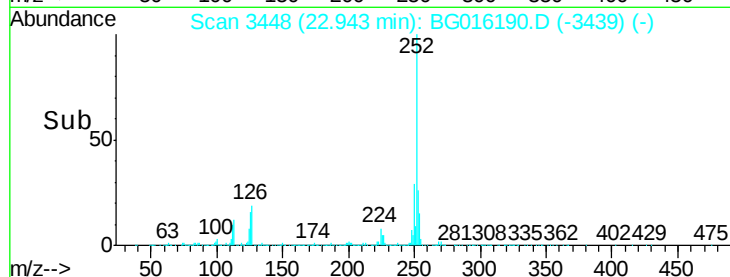
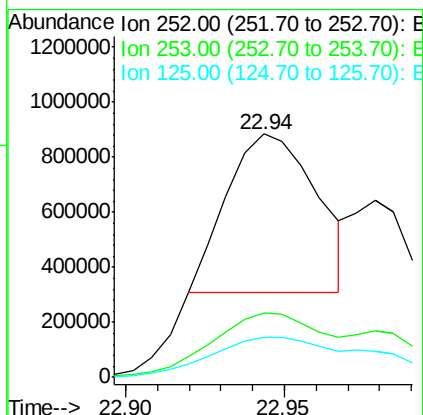
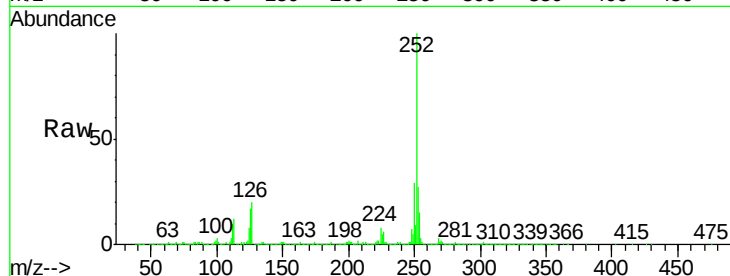




#86
Benzo(k)fluoranthene
Concen: 61.22 ng/ul
RT: 22.94 min Scan# 3448
Delta R.T. -0.02 min
Lab File: BG016190.D
Acq: 28 Mar 2015 00:06

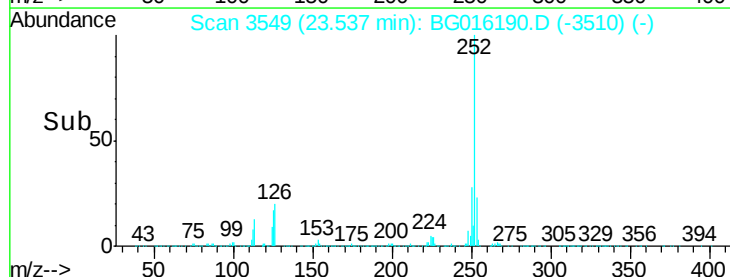
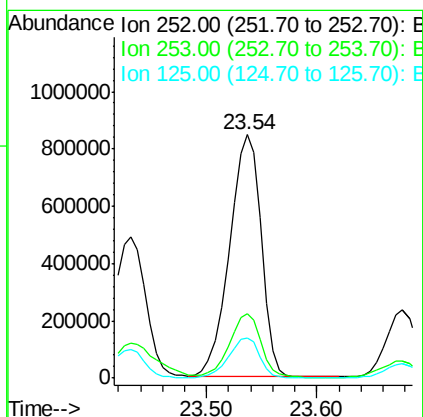
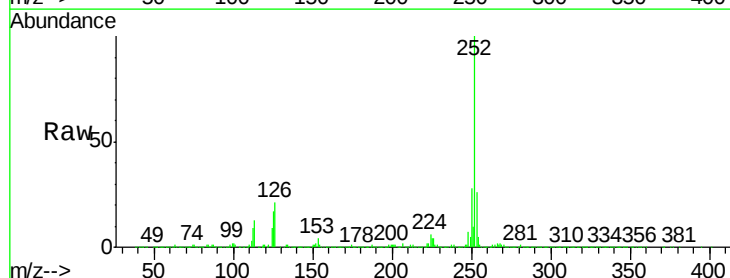
Instrument :
BNA_G
ClientSampled :

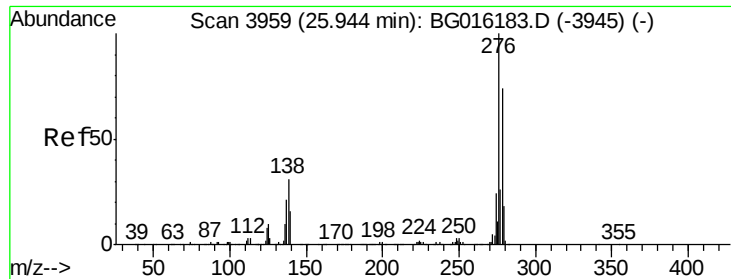
Tot Ion:252 Resp: 1134114
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.6#
125 16.6 10.7 16.1#



#88
Benzo(a)pyrene
Concen: 90.89 ng/ul
RT: 23.54 min Scan# 3549
Delta R.T. 0.03 min
Lab File: BG016190.D
Acq: 28 Mar 2015 00:06

Tgt Ion:252 Resp: 1698976
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 16.7 11.5 17.3





#89

Indeno(1,2,3-cd)pyrene

Concen: 48.61 ng/ul

RT: 25.98 min Scan# 3965

Delta R.T. 0.04 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

Instrument :

BNA_G

ClientSampleId :

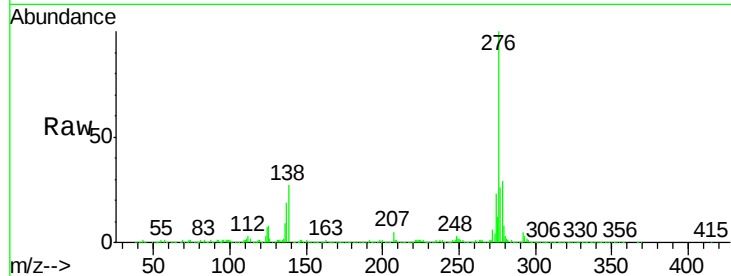
Tot Ion:276 Resp: 1051359

Ion Ratio Lower Upper

276 100

138 27.4 26.1 39.1

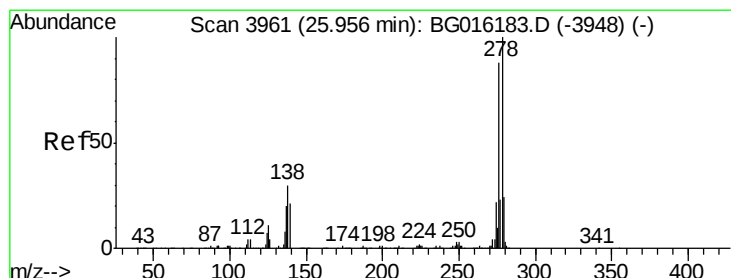
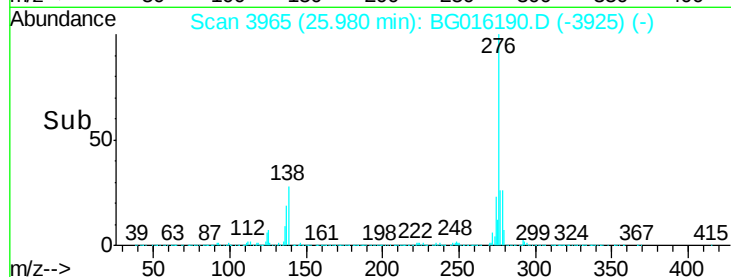
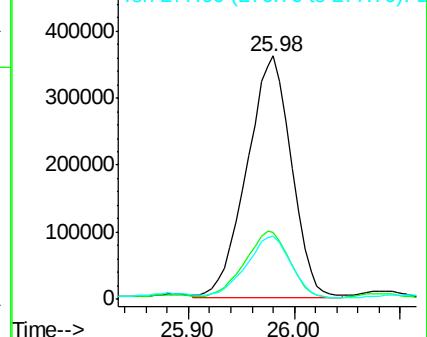
277 26.0 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 17.10 ng/ul

RT: 25.98 min Scan# 3965

Delta R.T. 0.02 min

Lab File: BG016190.D

Acq: 28 Mar 2015 00:06

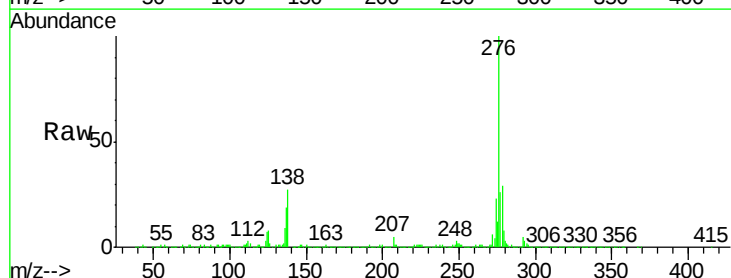
Tgt Ion:278 Resp: 310000

Ion Ratio Lower Upper

278 100

139 0.0 17.8 26.6#

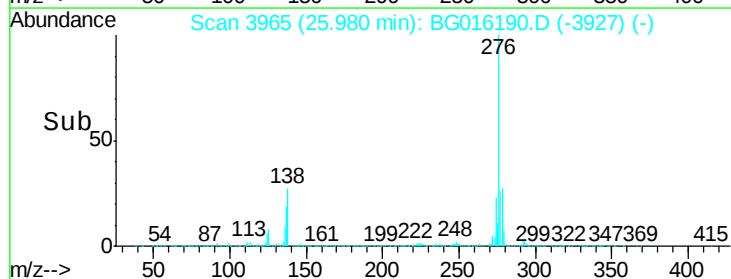
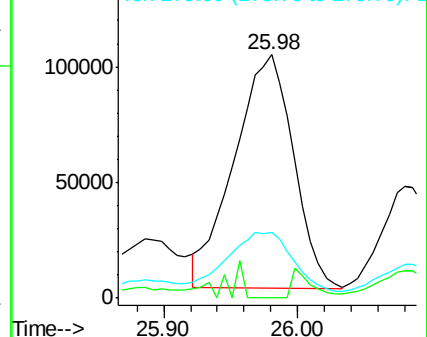
279 26.8 19.3 28.9

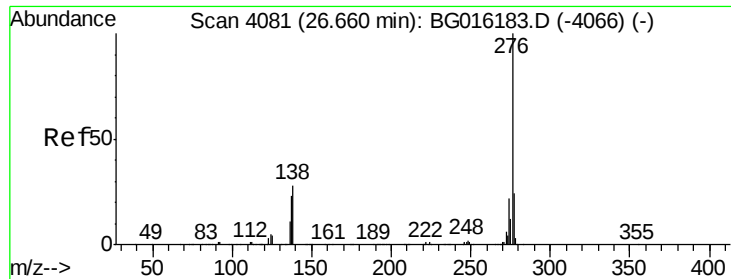


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 41.43 ng/ul
 RT: 26.70 min Scan# 4088
 Delta R.T. 0.04 min
 Lab File: BG016190.D
 Acq: 28 Mar 2015 00:06

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.0	33.0
277	25.6	19.0	28.4

