

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
 Data File : BG016194.D
 Acq On : 28 Mar 2015 2:24
 Operator : TP/IZ
 Sample : G1647-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 06:10:52 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	7.80	152	79069	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	337116	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	188694	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	347986	20.00	ng/ul	0.00
75) Chrysene-d12	21.34	240	359094	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	355811	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.97	99	75518	10.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	39857	10.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	58311	10.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	56883	10.65	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	31241	11.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	31519	12.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	51851	10.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	57294	8.76	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	140259	11.40	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	192018	11.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	24085	8.20	ng/ul	0.00
57) Fluorene-d10	15.41	176	129096	10.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	2305	1.27	ng/ul	0.00
70) Anthracene-d10	17.26	188	177854	11.19	ng/ul	0.00
76) Pyrene-d10	19.55	212	176889	11.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	166793	10.75	ng/ul	0.02

Target Compounds

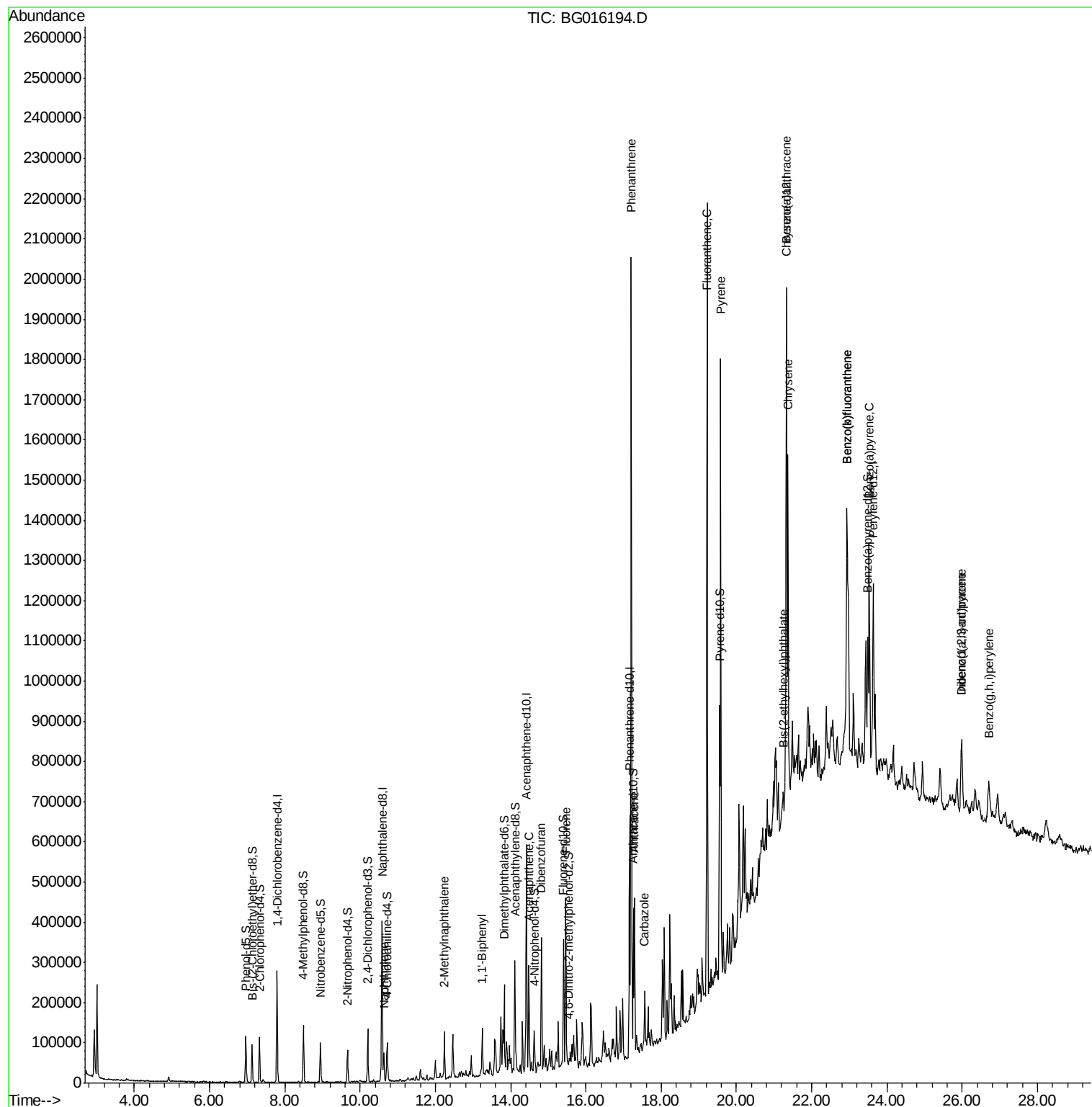
						Ovalue
28) Naphthalene	10.63	128	58503	3.21	ng/ul	97
34) 2-Methylnaphthalene	12.24	142	58429	4.54	ng/ul	98
40) 1,1'-Biphenyl	13.25	154	20520	1.39	ng/ul	98
49) Acenaphthene	14.49	153	102366	7.97	ng/ul	98
53) Dibenzofuran	14.82	168	180379	10.39	ng/ul	98
58) Fluorene	15.47	166	173348	11.44	ng/ul	98
69) Phenanthrene	17.21	178	1109103	56.07	ng/ul	96
71) Anthracene	17.29	178	231639	11.53	ng/ul	99
72) Carbazole	17.56	167	86356	4.47	ng/ul	99
74) Fluoranthene	19.22	202	1069825	47.84	ng/ul	98
77) Pyrene	19.59	202	896501	40.57	ng/ul	99
80) Benzo(a)anthracene	21.32	228	452633	22.25	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.24	149	12851	1.05	ng/ul#	96
82) Chrysene	21.37	228	412120	21.29	ng/ul	97
85) Benzo(b)fluoranthene	22.94	252	562994	27.57	ng/ul#	94
86) Benzo(k)fluoranthene	22.94	252	98454	4.88	ng/ul#	93
88) Benzo(a)pyrene	23.53	252	381331	18.74	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	25.98	276	183898	7.81	ng/ul	95
90) Dibenzo(a,h)anthracene	25.99	278	47875	2.43	ng/ul#	78
91) Benzo(g,h,i)perylene	26.70	276	60777	3.07	ng/ul	93

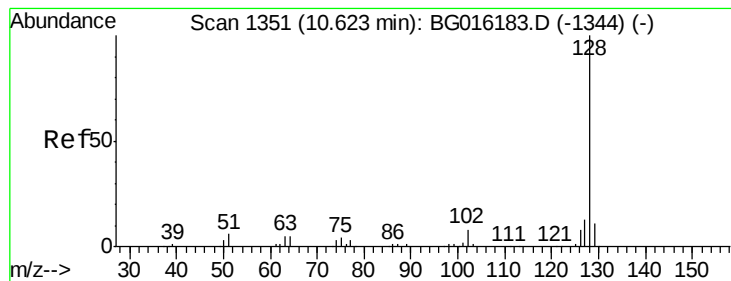
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Mar 28 06:10:52 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





#28

Naphthalene

Concen: 3.21 ng/ul

RT: 10.63 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

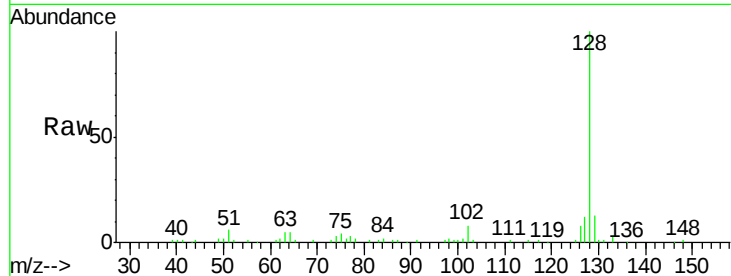
Tot Ion:128 Resp: 58503

Ion Ratio Lower Upper

128 100

129 12.9 9.0 13.4

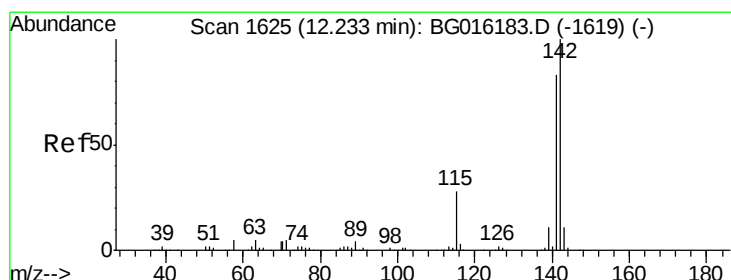
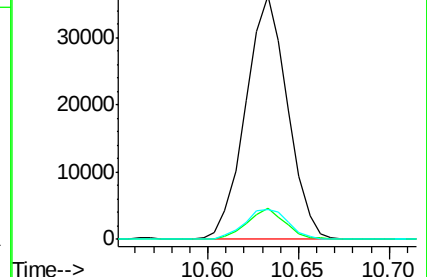
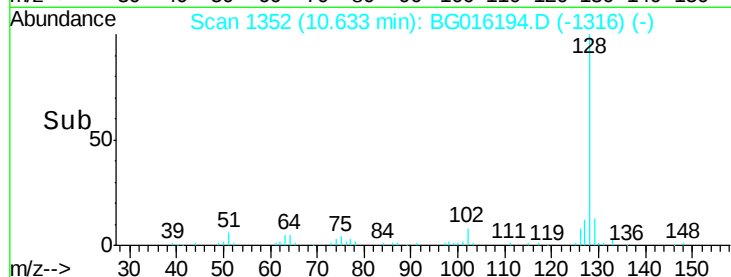
127 12.0 10.4 15.6



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



#34

2-Methylnaphthalene

Concen: 4.54 ng/ul

RT: 12.24 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BG016194.D

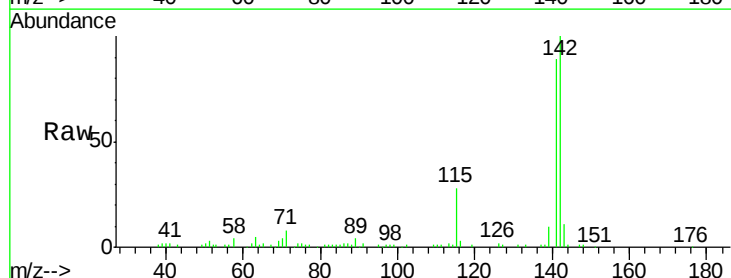
Acq: 28 Mar 2015 2:24

Tgt Ion:142 Resp: 58429

Ion Ratio Lower Upper

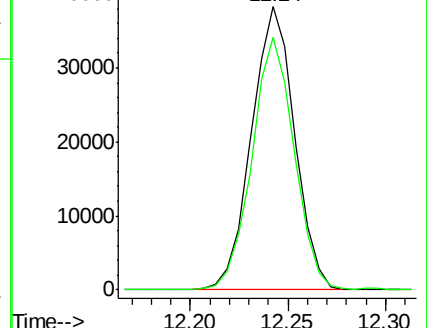
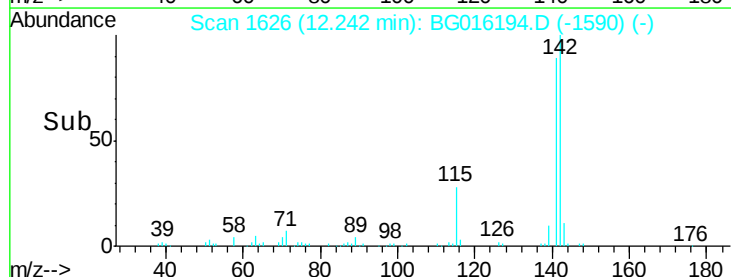
142 100

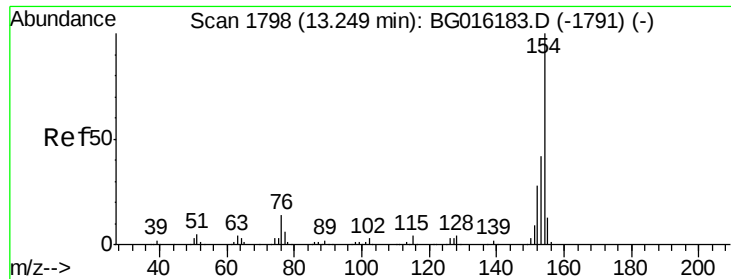
141 89.3 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.39 ng/ul

RT: 13.25 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

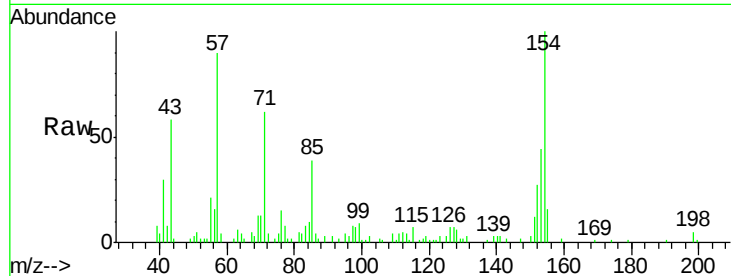
Tot Ion:154 Resp: 20520

Ion Ratio Lower Upper

154 100

153 43.5 33.9 50.9

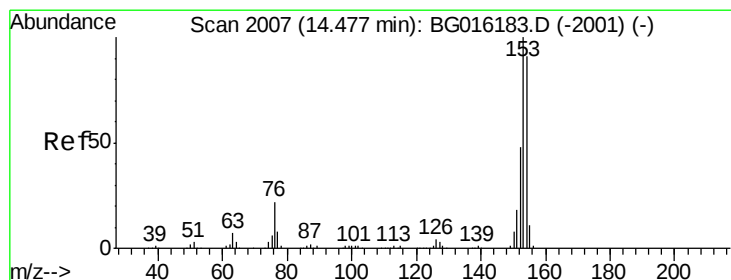
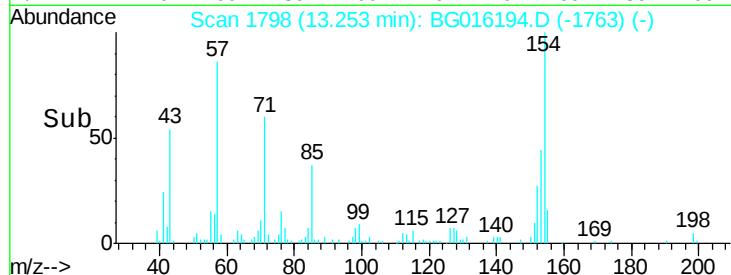
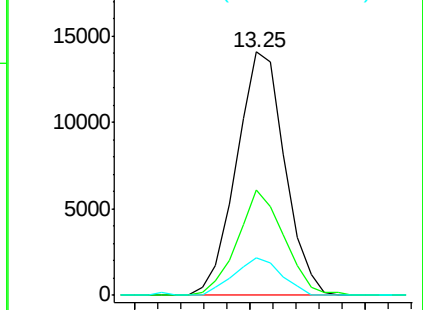
76 15.2 12.6 19.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#49

Acenaphthene

Concen: 7.97 ng/ul

RT: 14.49 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

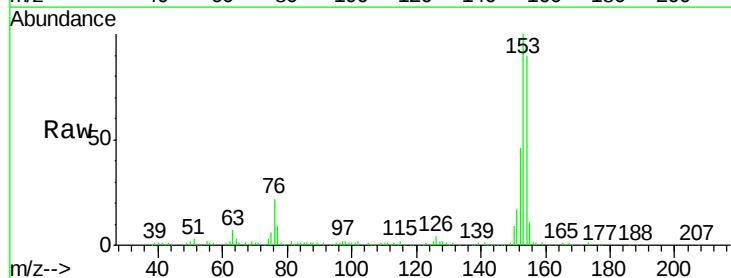
Tgt Ion:153 Resp: 102366

Ion Ratio Lower Upper

153 100

152 46.5 37.4 56.2

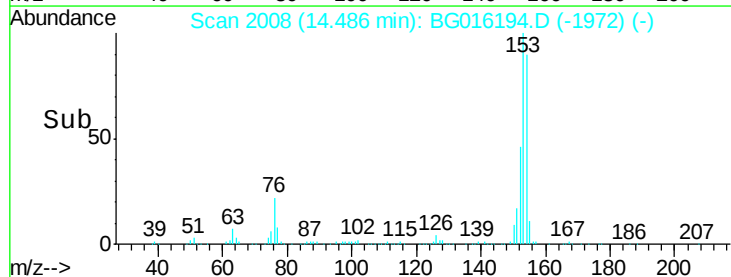
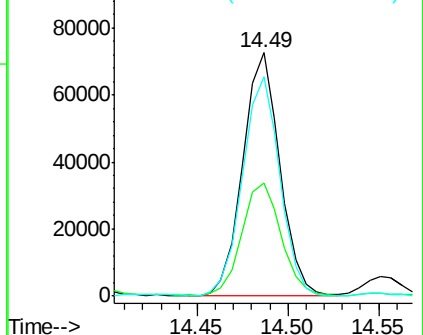
154 90.1 74.4 111.6

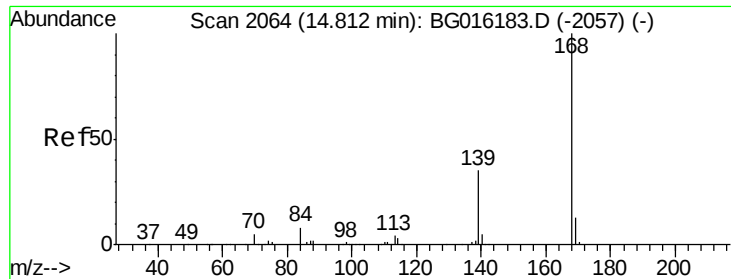


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(furan)

Concen: 10.39 ng/ul

RT: 14.82 min Scan# 2065

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

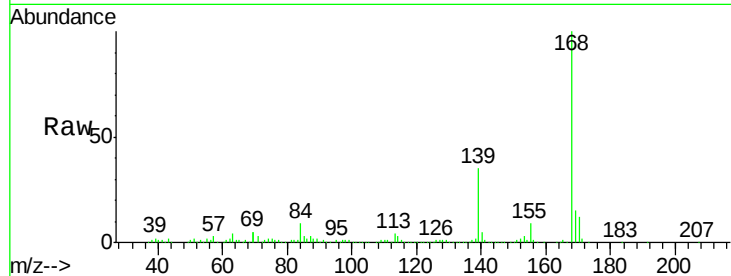
ClientSampleId :

Tot Ion:168 Resp: 180379

Ion Ratio Lower Upper

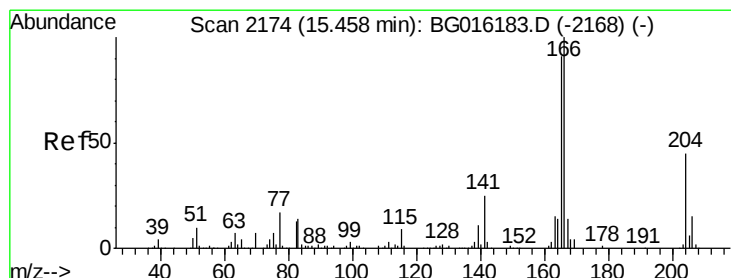
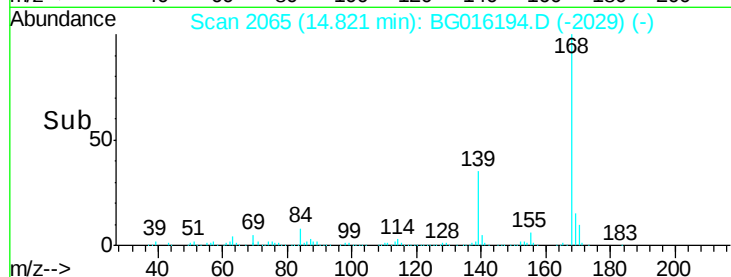
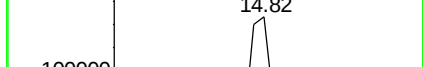
168 100

139 35.1 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: 11.44 ng/ul

RT: 15.47 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

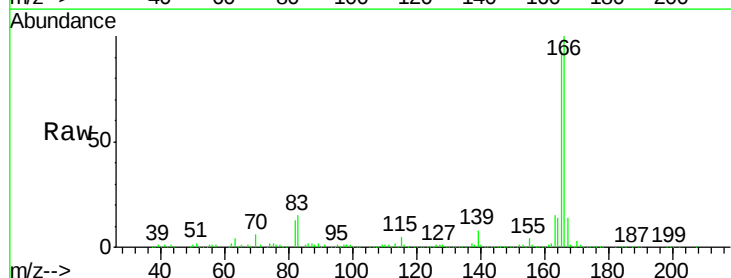
Tgt Ion:166 Resp: 173348

Ion Ratio Lower Upper

166 100

165 93.3 76.1 114.1

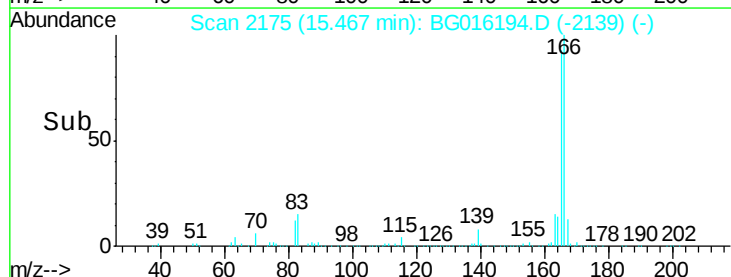
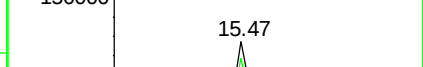
167 13.7 10.5 15.7

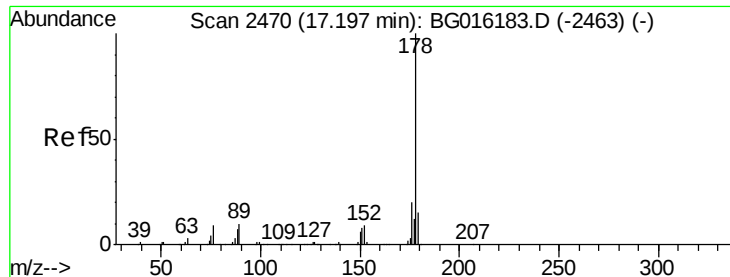


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

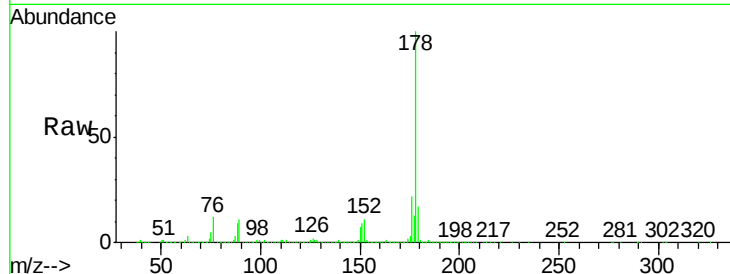




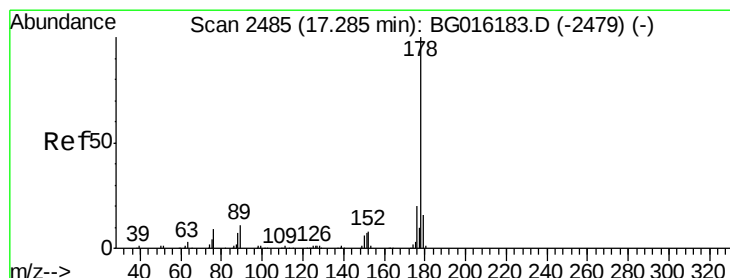
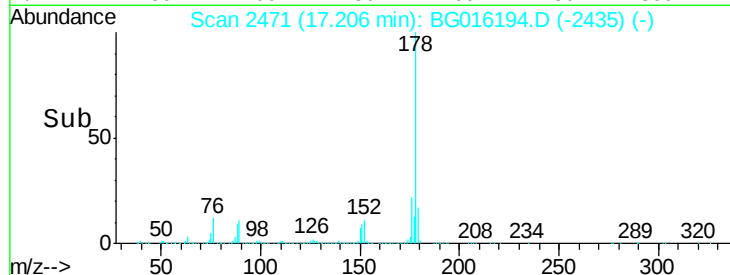
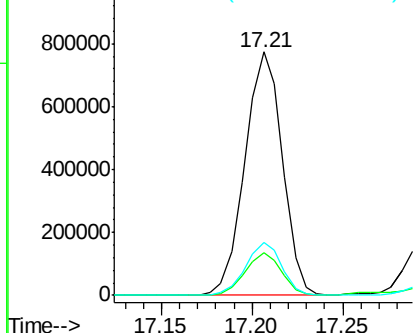
#69
Phenanthrene
Concen: 56.07 ng/ul
RT: 17.21 min Scan# 2471
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 1109103
Ion Ratio Lower Upper
178 100
179 17.3 12.8 19.2
176 21.7 15.6 23.4

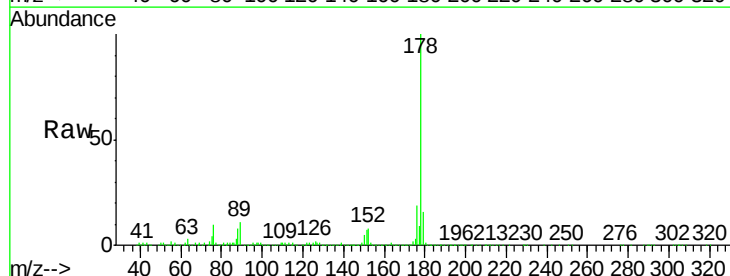


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

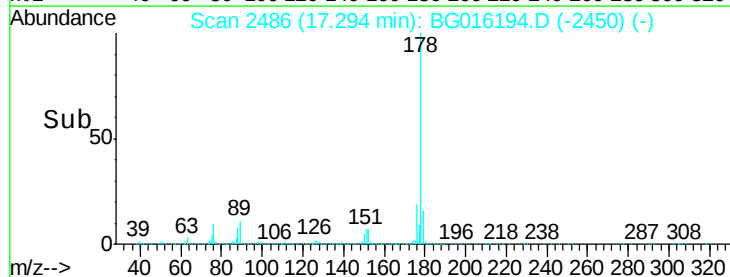
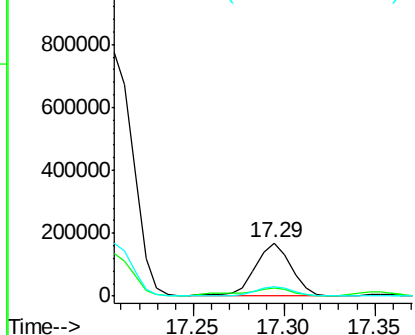


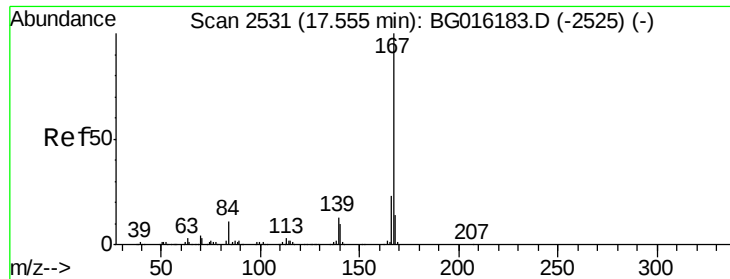
#71
Anthracene
Concen: 11.53 ng/ul
RT: 17.29 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BG016194.D
Acq: 28 Mar 2015 2:24

Tgt Ion:178 Resp: 231639
Ion Ratio Lower Upper
178 100
179 15.9 12.7 19.1
176 18.7 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: 4.47 ng/ul

RT: 17.56 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

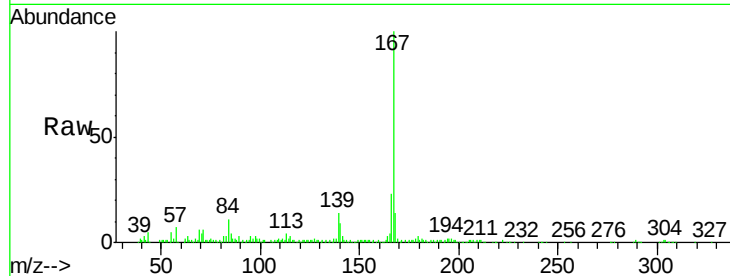
Tot Ion:167 Resp: 86356

Ion Ratio Lower Upper

167 100

166 22.8 18.2 27.2

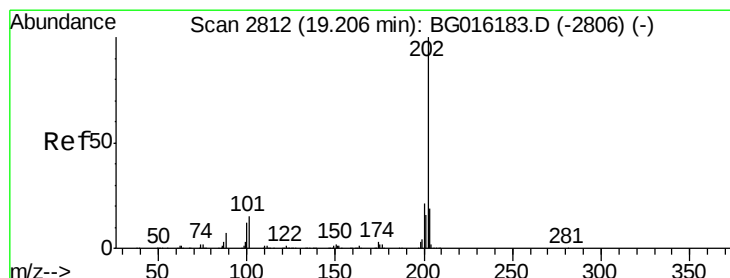
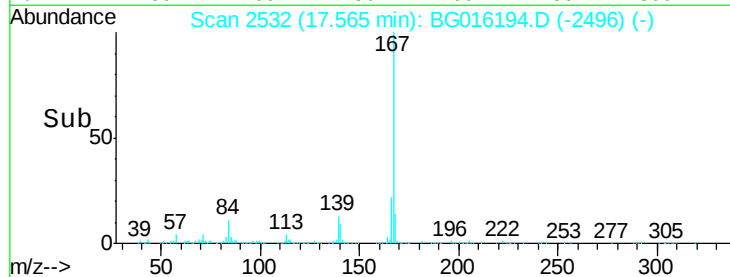
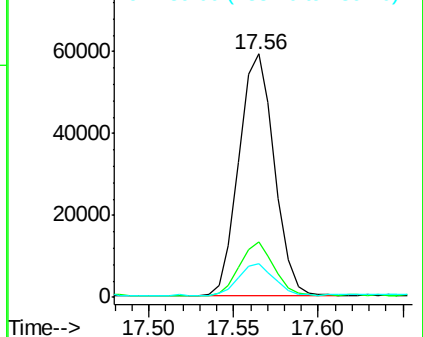
139 13.7 10.0 15.0



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: 47.84 ng/ul

RT: 19.22 min Scan# 2814

Delta R.T. 0.02 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

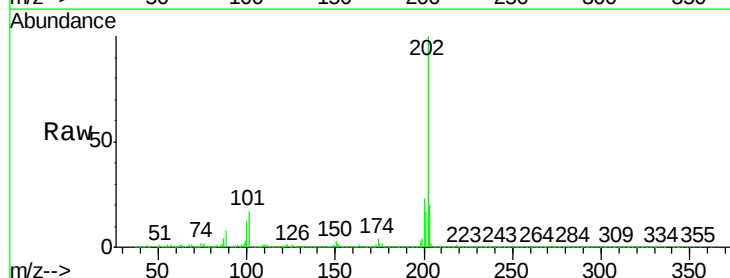
Tgt Ion:202 Resp: 1069825

Ion Ratio Lower Upper

202 100

101 16.9 12.9 19.3

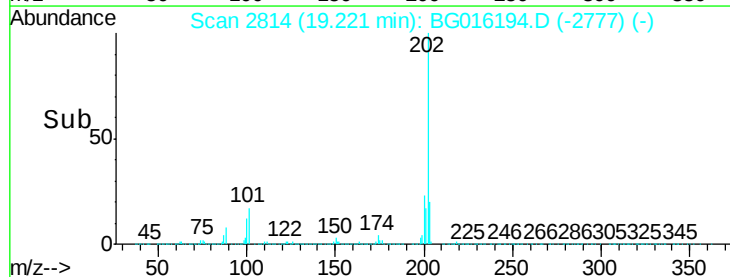
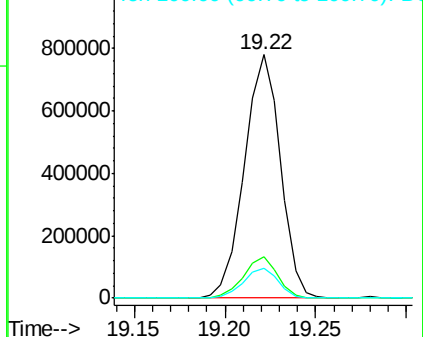
100 12.5 9.4 14.2

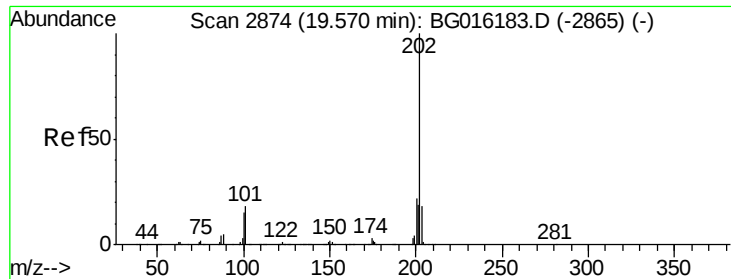


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 40.57 ng/ul

RT: 19.59 min Scan# 2876

Delta R.T. 0.02 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

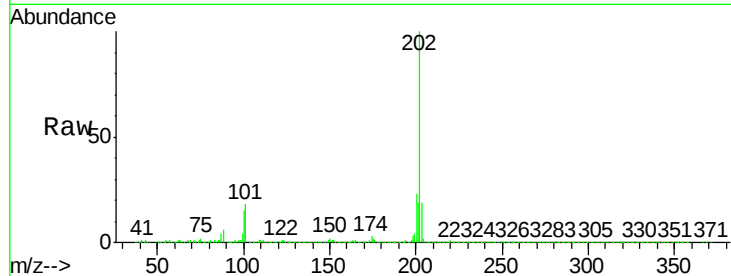
Tot Ion:202 Resp: 896501

Ion Ratio Lower Upper

202 100

101 17.8 14.6 21.8

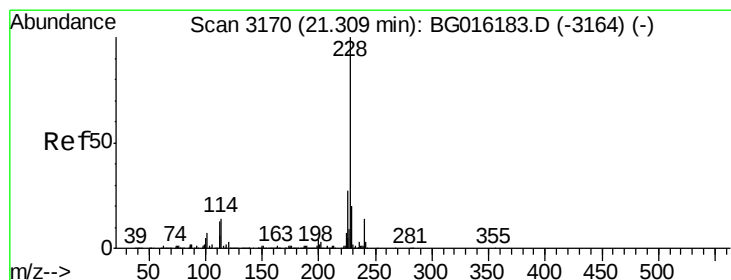
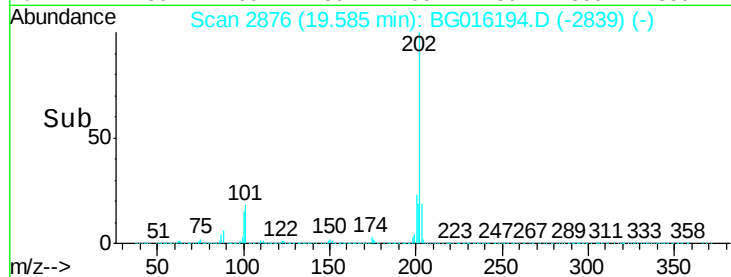
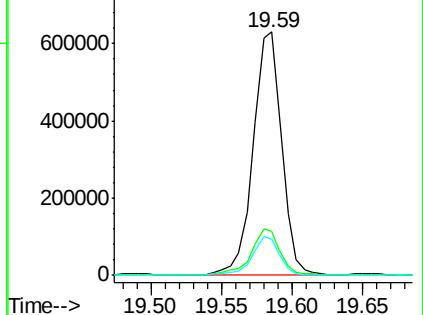
100 14.6 12.1 18.1



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: 22.25 ng/ul

RT: 21.32 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

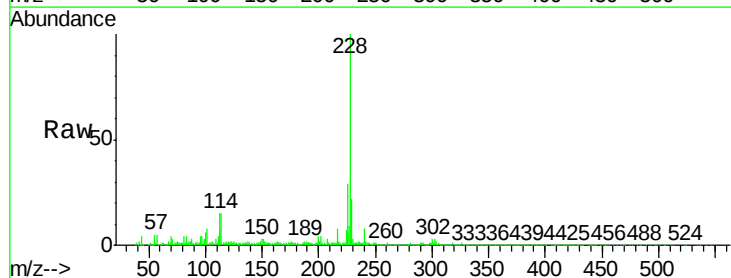
Tgt Ion:228 Resp: 452633

Ion Ratio Lower Upper

228 100

229 21.7 16.2 24.4

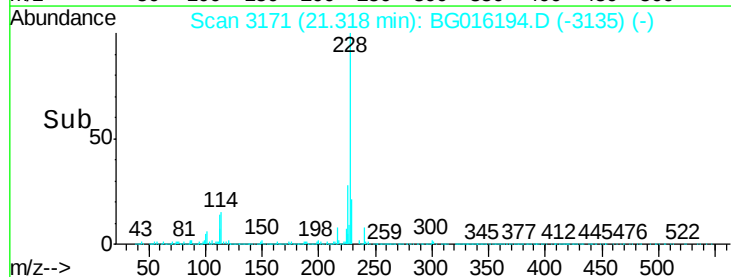
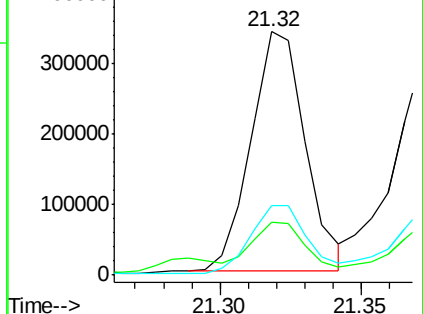
226 28.6 22.4 33.6

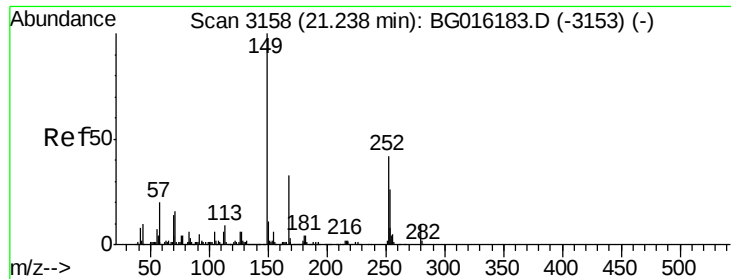


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 1.05 ng/ul

RT: 21.24 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampled :

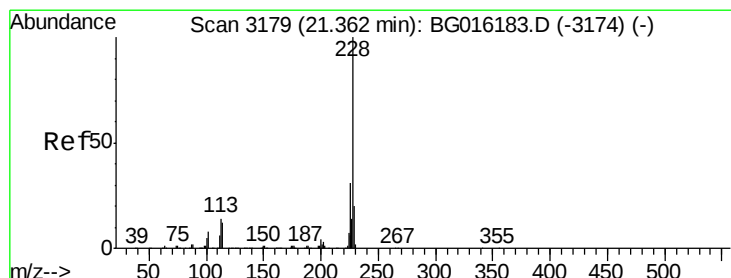
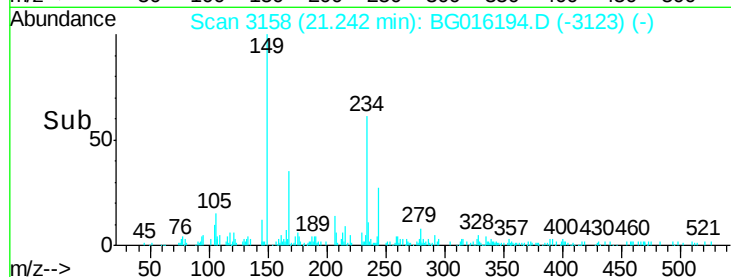
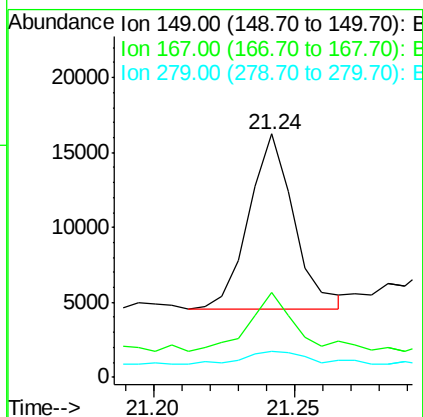
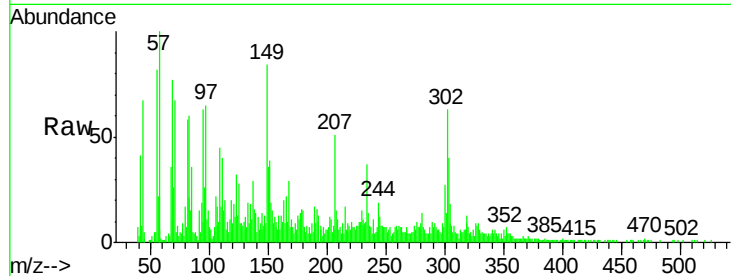
Tot Ion:149 Resp: 12851

Ion Ratio Lower Upper

149 100

167 35.1 26.6 39.8

279 10.9 6.5 9.7#



#82

Chrysene

Concen: 21.29 ng/ul

RT: 21.37 min Scan# 3180

Delta R.T. 0.01 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

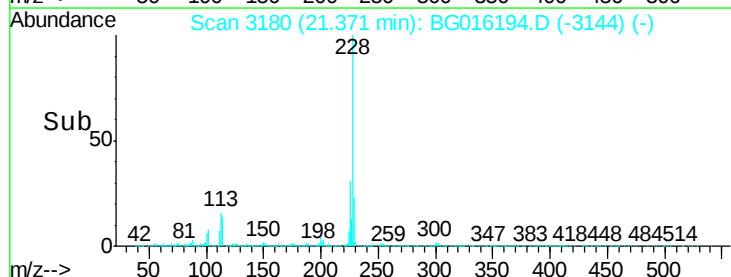
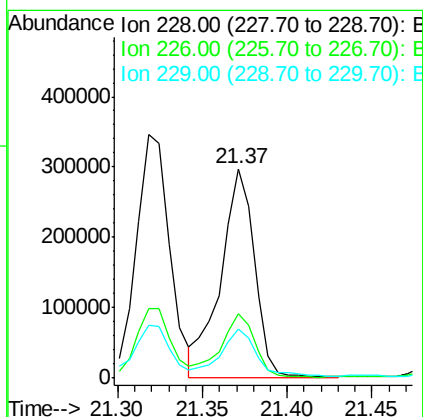
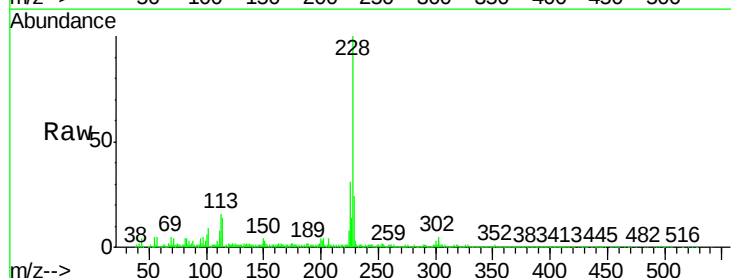
Tgt Ion:228 Resp: 412120

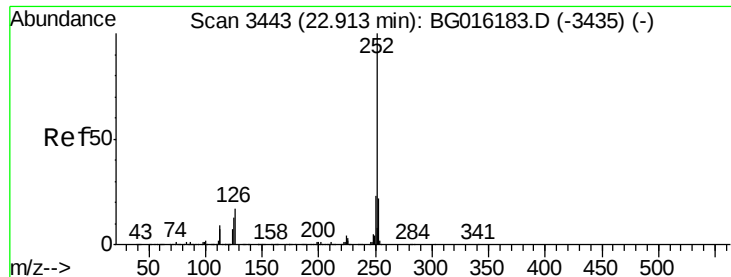
Ion Ratio Lower Upper

228 100

226 30.9 24.6 36.8

229 23.6 16.6 25.0





#85

Benzo(b)fluoranthene

Concen: 27.57 ng/ul

RT: 22.94 min Scan# 3447

Delta R.T. 0.03 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

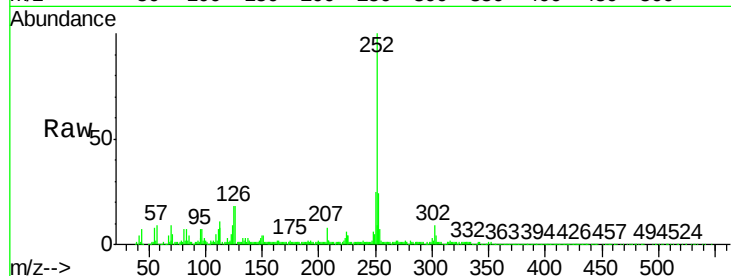
Tot Ion:252 Resp: 562994

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

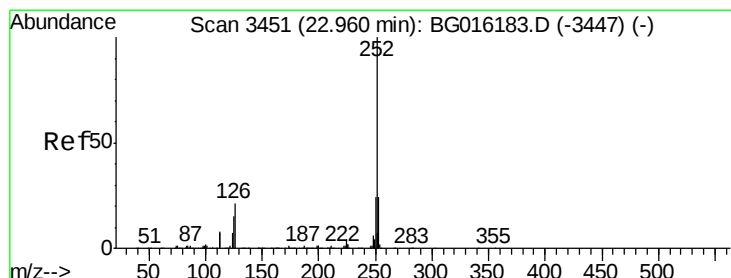
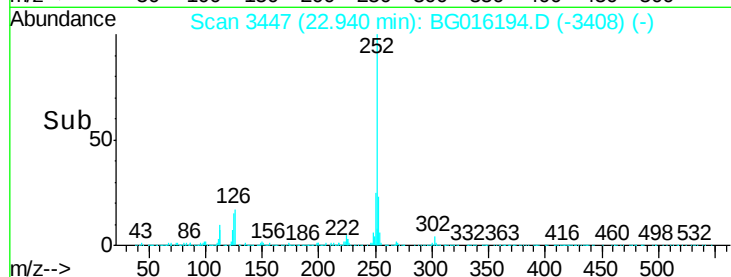
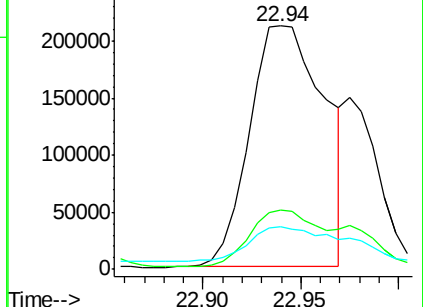
125 17.5 11.0 16.6#



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: 4.88 ng/ul

RT: 22.94 min Scan# 3447

Delta R.T. -0.02 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

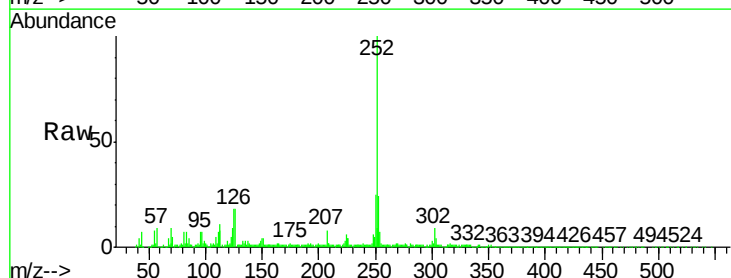
Tgt Ion:252 Resp: 98454

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

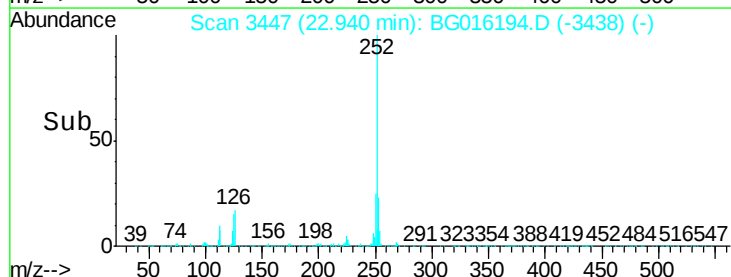
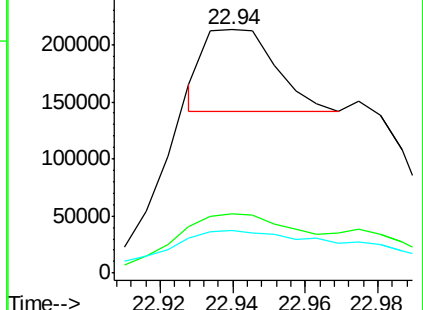
125 17.5 10.7 16.1#

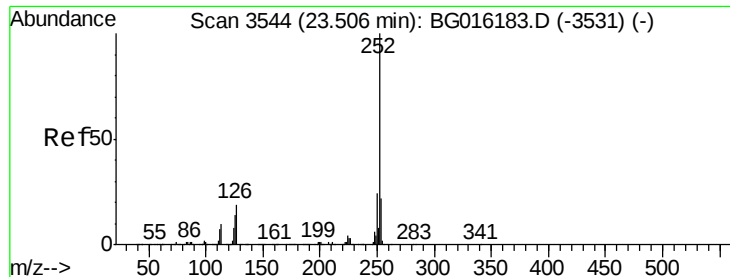


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 18.74 ng/ul

RT: 23.53 min Scan# 3548

Delta R.T. 0.03 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

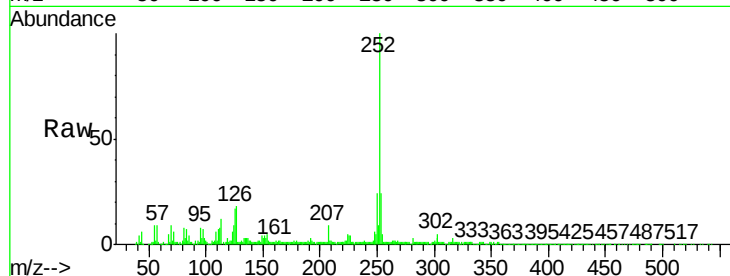
Tot Ion:252 Resp: 381331

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

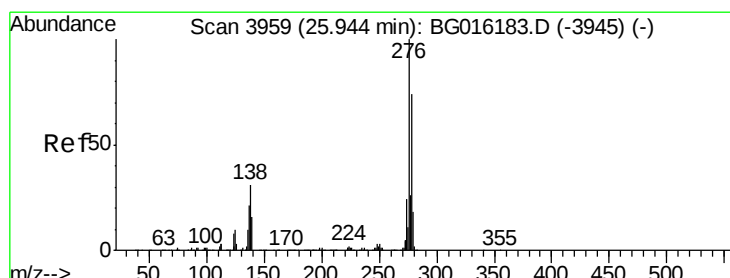
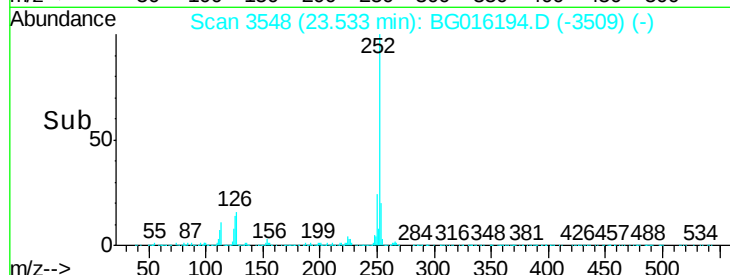
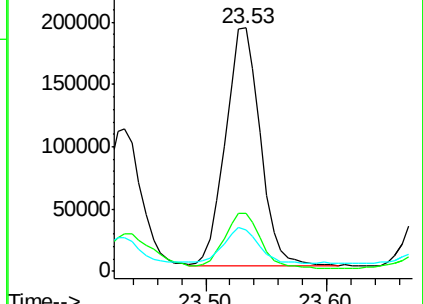
125 17.1 11.5 17.3



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 7.81 ng/ul

RT: 25.98 min Scan# 3965

Delta R.T. 0.04 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

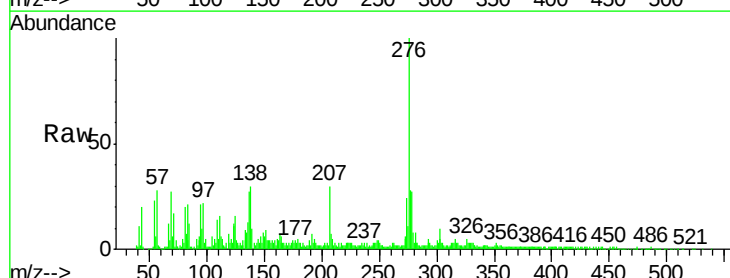
Tgt Ion:276 Resp: 183898

Ion Ratio Lower Upper

276 100

138 29.9 26.1 39.1

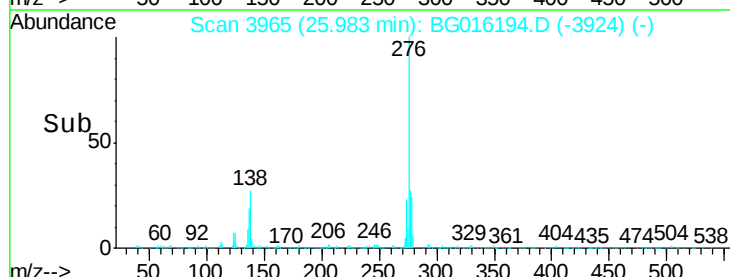
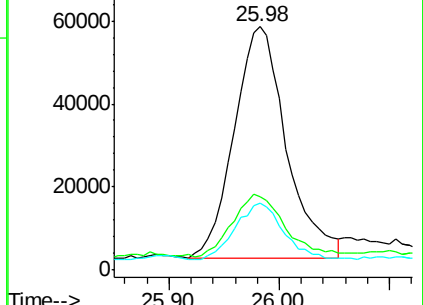
277 27.7 20.0 30.0

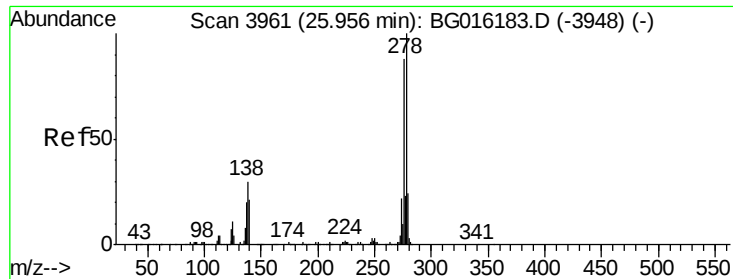


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.43 ng/ul

RT: 25.99 min Scan# 3966

Delta R.T. 0.03 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Instrument :

BNA_G

ClientSampleId :

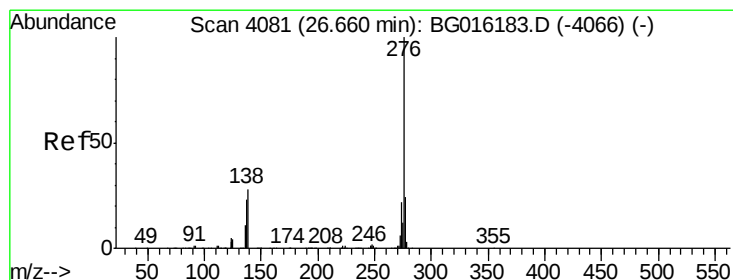
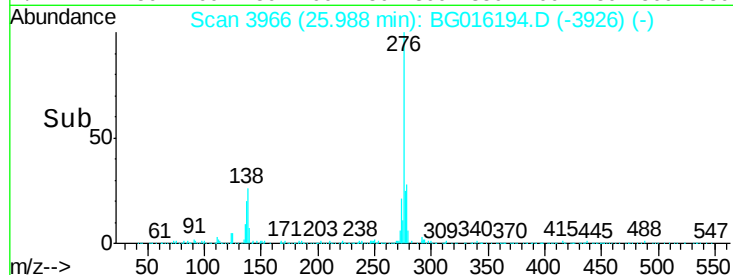
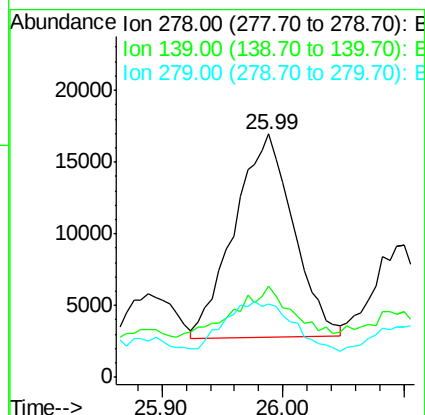
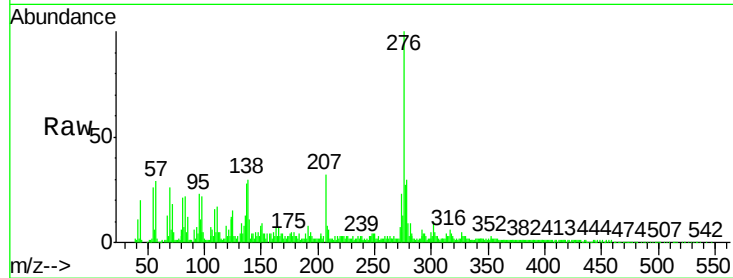
Tot Ion:278 Resp: 47875

Ion Ratio Lower Upper

278 100

139 37.6 17.8 26.6#

279 30.2 19.3 28.9#



#91

Benzo(g,h,i)perylene

Concen: 3.07 ng/ul

RT: 26.70 min Scan# 4087

Delta R.T. 0.04 min

Lab File: BG016194.D

Acq: 28 Mar 2015 2:24

Tgt Ion:276 Resp: 60777

Ion Ratio Lower Upper

276 100

138 31.6 22.0 33.0

277 26.9 19.0 28.4

