

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033115\
 Data File : BG016205.D
 Acq On : 31 Mar 2015 18:19
 Operator : TP/IZ
 Sample : G1647-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 01 05:32:14 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 01 04:39:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	81761	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	365890	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	210393	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	404566	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	397161	20.00	ng/ul	0.00
83) Perylene-d12	23.60	264	388560	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.93	99	181340	24.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	105732	24.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	138430	23.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	141431	24.22	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	77927	25.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	83197	24.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	129025	23.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	153179	20.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	379014	27.25	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	487604	24.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	83965	23.95	ng/ul	0.00
57) Fluorene-d10	15.38	176	343527	25.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	65514	23.70	ng/ul	0.00
70) Anthracene-d10	17.23	188	490613	26.39	ng/ul	0.00
76) Pyrene-d10	19.53	212	467895	25.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.45	264	401896	22.92	ng/ul	0.00

Target Compounds

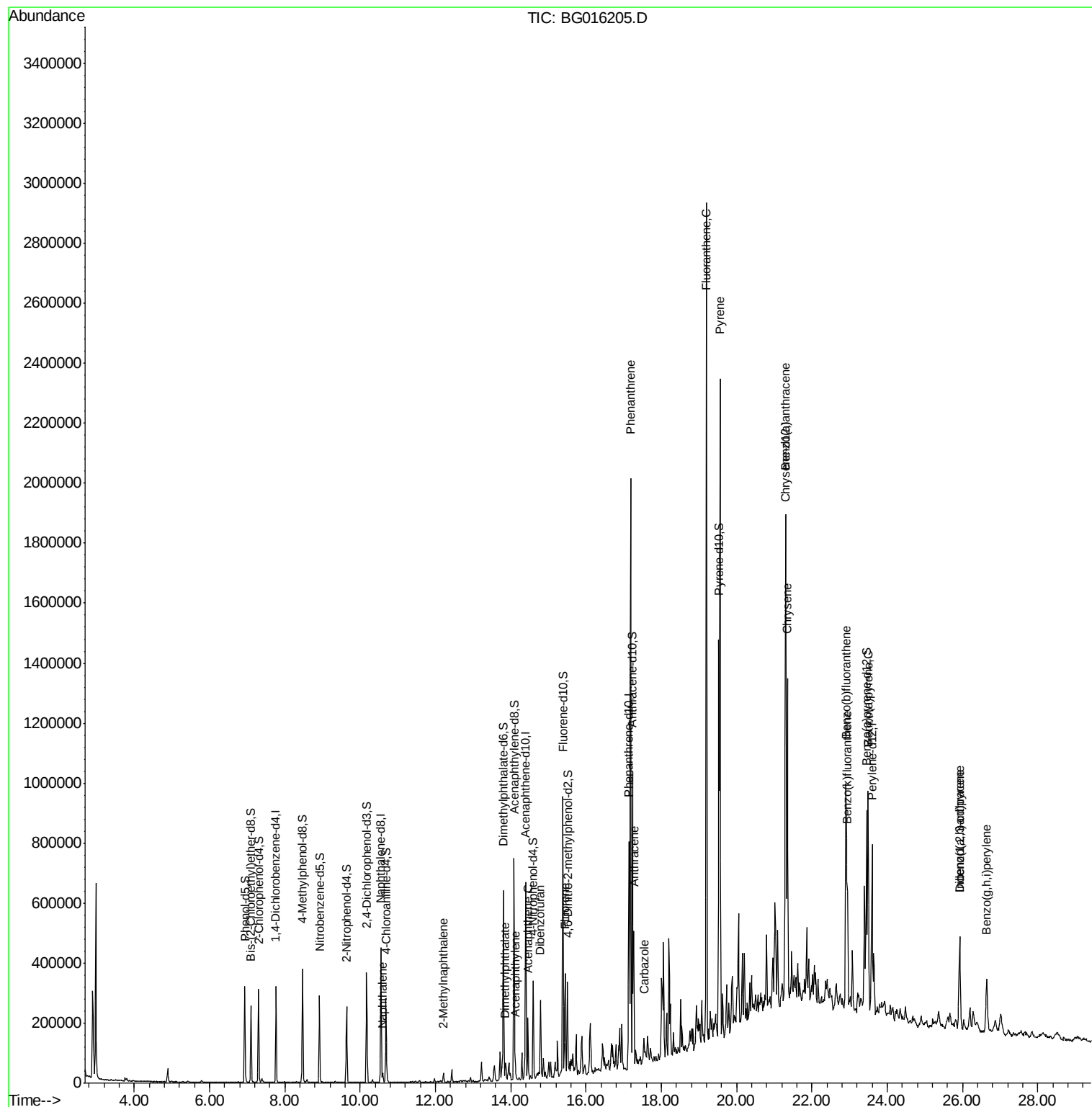
						Ovalue
28) Naphthalene	10.60	128	24329	1.24	ng/ul	97
34) 2-Methylnaphthalene	12.21	142	14594	1.05	ng/ul	99
44) Dimethylphthalate	13.85	163	27002	1.73	ng/ul	97
47) Acenaphthylene	14.12	152	31018	1.43	ng/ul#	95
49) Acenaphthene	14.46	153	76993	5.25	ng/ul	99
53) Dibenzofuran	14.79	168	121187	6.36	ng/ul	97
58) Fluorene	15.44	166	137712	8.25	ng/ul	99
69) Phenanthrene	17.18	178	1034556	45.05	ng/ul	98
71) Anthracene	17.27	178	259805	11.07	ng/ul	98
72) Carbazole	17.53	167	43196	1.91	ng/ul	98
74) Fluoranthene	19.20	202	1384097	54.22	ng/ul	96
77) Pyrene	19.56	202	1126390	45.69	ng/ul	97
80) Benzo(a)anthracene	21.30	228	613438	26.68	ng/ul	98
82) Chrysene	21.35	228	509148	23.84	ng/ul	97
85) Benzo(b)fluoranthene	22.90	252	597054	25.73	ng/ul	96
86) Benzo(k)fluoranthene	22.95	252	229754	10.28	ng/ul	98
88) Benzo(a)pyrene	23.50	252	454003	20.52	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.92	276	265378	10.26	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.92	278	76516	3.55	ng/ul	96
91) Benzo(g,h,i)perylene	26.64	276	189799	8.98	ng/ul	98

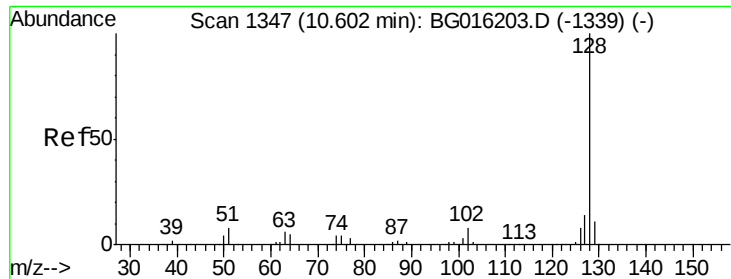
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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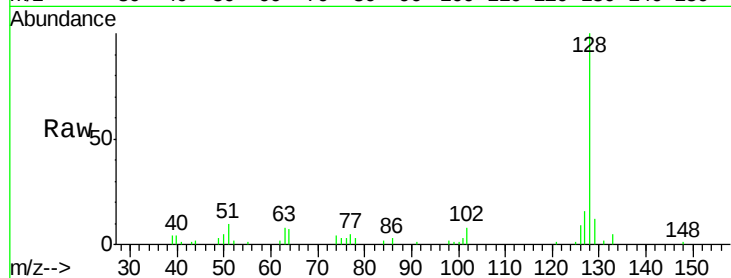




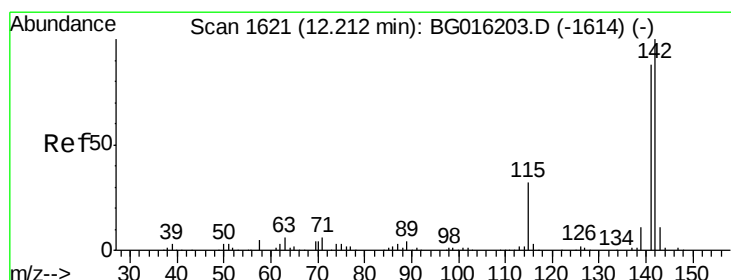
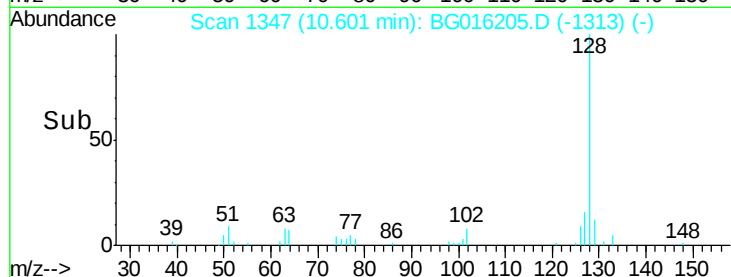
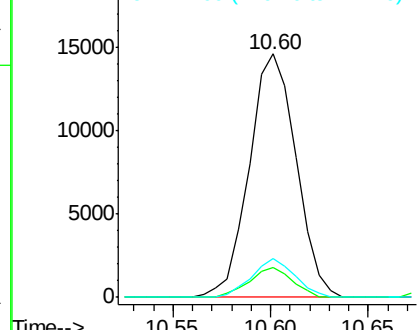
#28
Naphthalene
Concen: 1.24 ng/ul
RT: 10.60 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BG016205.D
Acq: 31 Mar 2015 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 24329
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 15.8 11.4 17.0

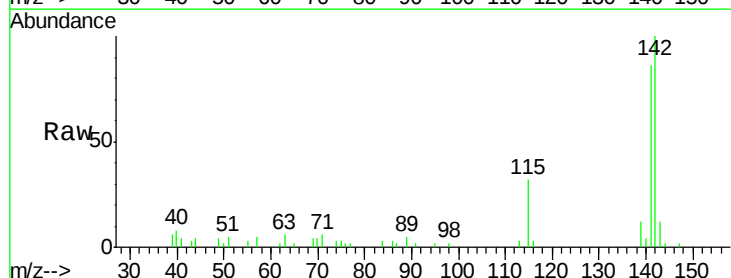


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

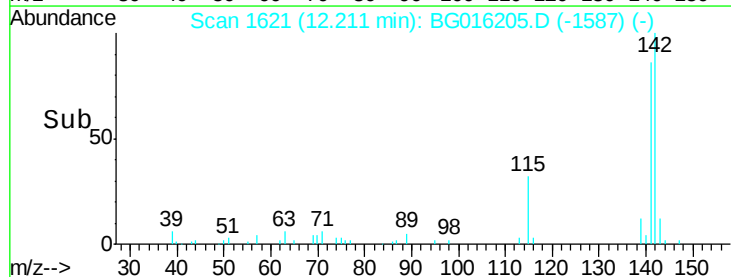
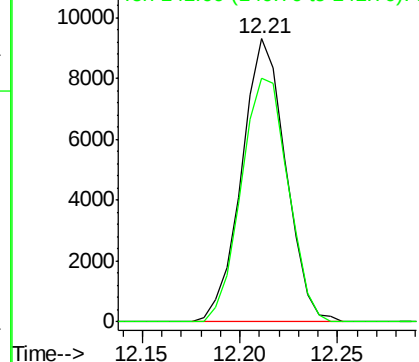


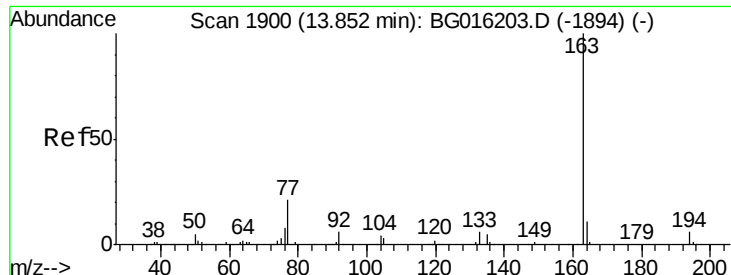
#34
2-Methylnaphthalene
Concen: 1.05 ng/ul
RT: 12.21 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BG016205.D
Acq: 31 Mar 2015 18:19

Tgt Ion:142 Resp: 14594
Ion Ratio Lower Upper
142 100
141 86.0 69.7 104.5



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

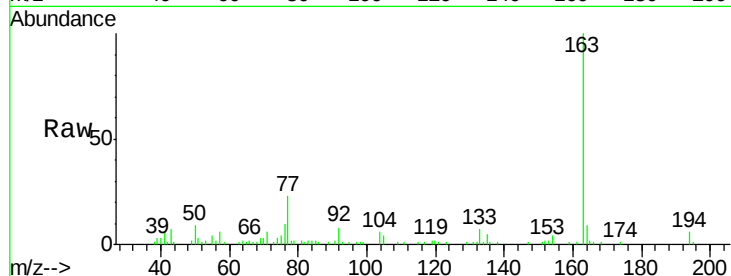




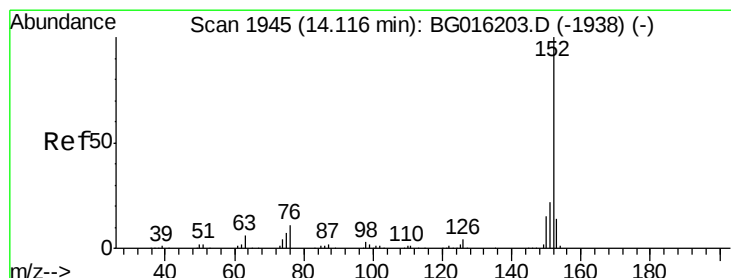
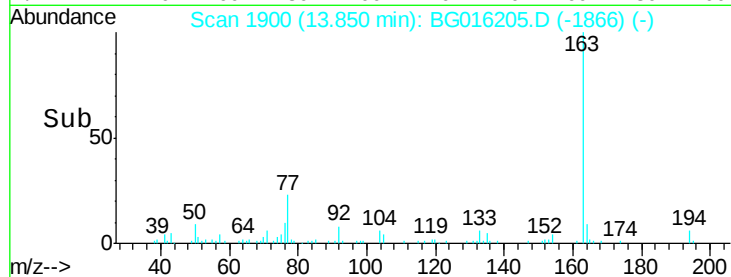
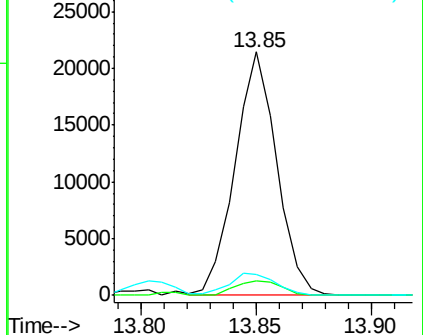
#44
Dimethylphthalate
Concen: 1.73 ng/ul
RT: 13.85 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BG016205.D
Acq: 31 Mar 2015 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:163 Resp: 27002
Ion Ratio Lower Upper
163 100
194 5.9 4.8 7.2
164 8.8 8.2 12.2

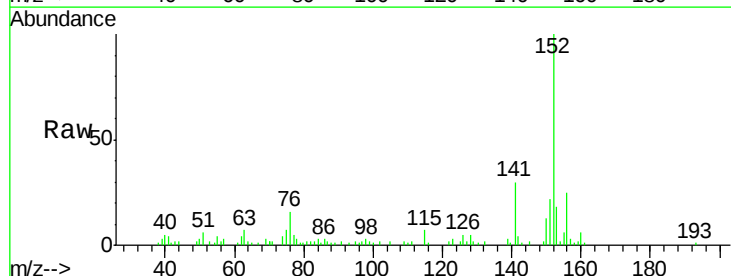


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

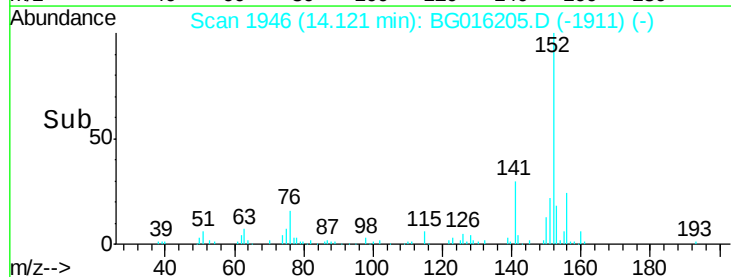
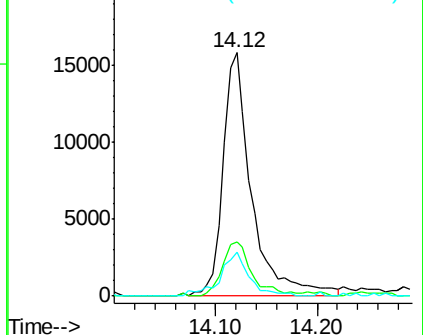


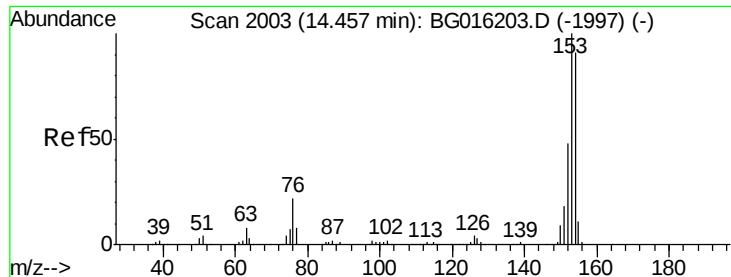
#47
Acenaphthylene
Concen: 1.43 ng/ul
RT: 14.12 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG016205.D
Acq: 31 Mar 2015 18:19

Tgt Ion:152 Resp: 31018
Ion Ratio Lower Upper
152 100
151 22.1 17.8 26.8
153 18.3 11.0 16.4#



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: 5.25 ng/ul

RT: 14.46 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

Instrument :

BNA_G

ClientSampleId :

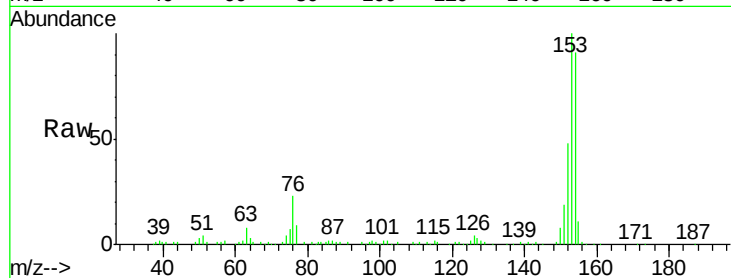
Tot Ion:153 Resp: 76993

Ion Ratio Lower Upper

153 100

152 47.7 39.0 58.4

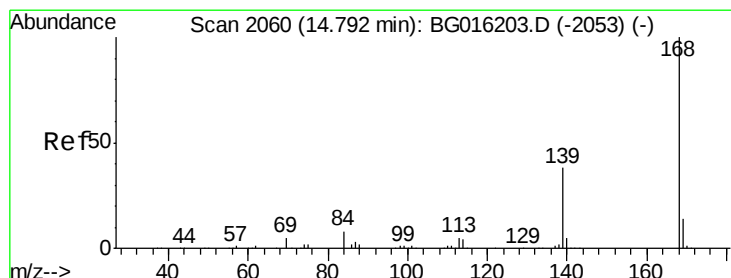
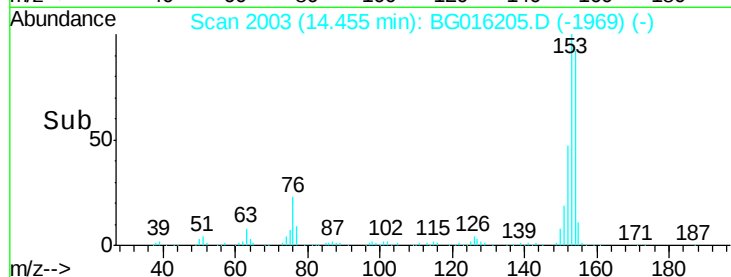
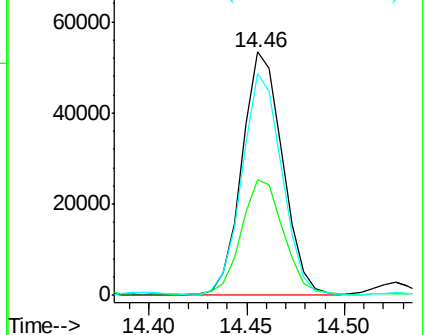
154 91.3 72.5 108.7



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

Dibenzofuran

Concen: 6.36 ng/ul

RT: 14.79 min Scan# 2060

Delta R.T. -0.00 min

Lab File: BG016205.D

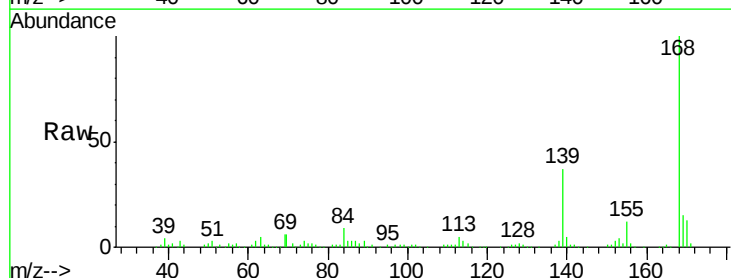
Acq: 31 Mar 2015 18:19

Tgt Ion:168 Resp: 121187

Ion Ratio Lower Upper

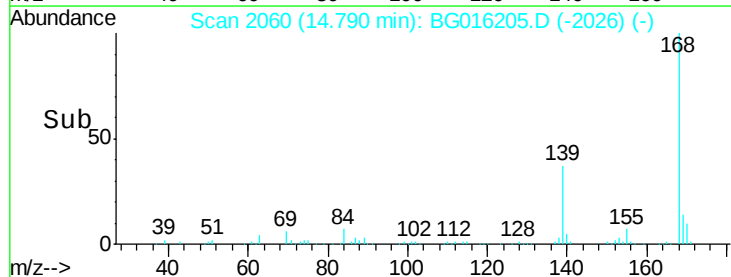
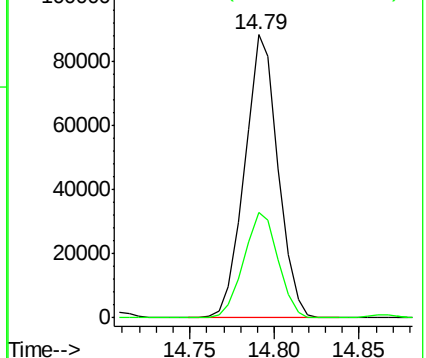
168 100

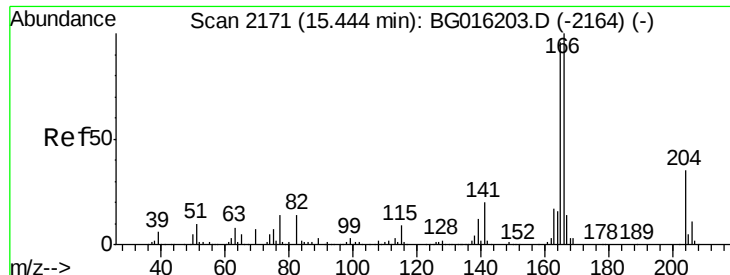
139 37.1 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 8.25 ng/ul

RT: 15.44 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

Instrument :

BNA_G

ClientSampleId :

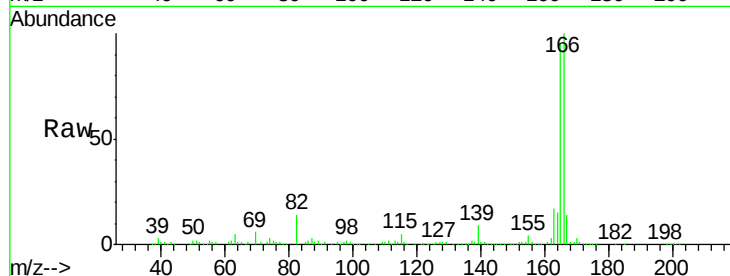
Tot Ion:166 Resp: 137712

Ion Ratio Lower Upper

166 100

165 94.9 75.6 113.4

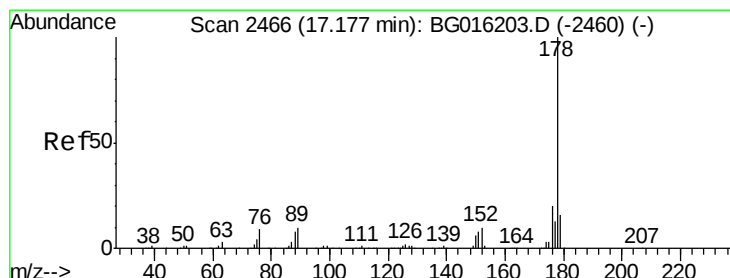
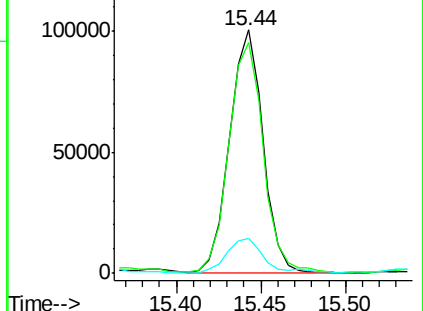
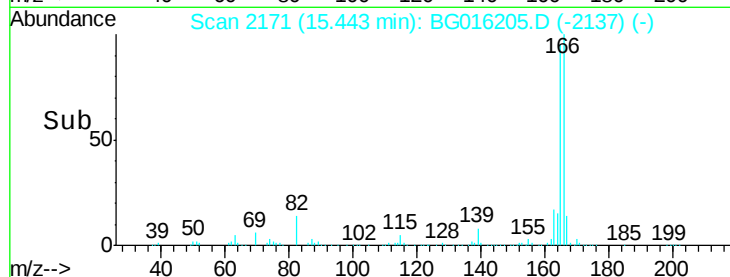
167 14.1 10.7 16.1



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: 45.05 ng/ul

RT: 17.18 min Scan# 2467

Delta R.T. 0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

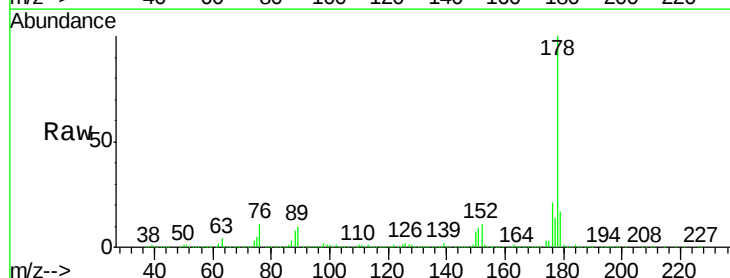
Tgt Ion:178 Resp: 1034556

Ion Ratio Lower Upper

178 100

179 16.9 12.6 19.0

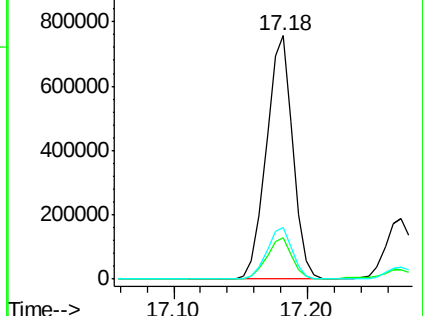
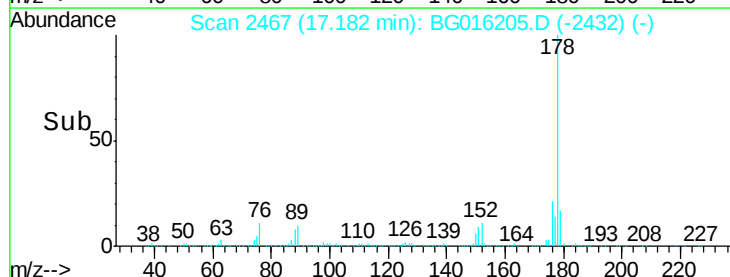
176 21.3 16.6 24.8

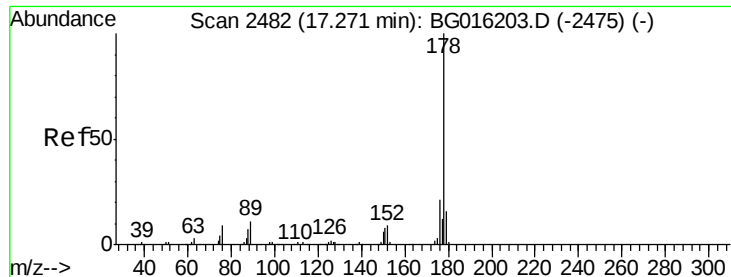


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

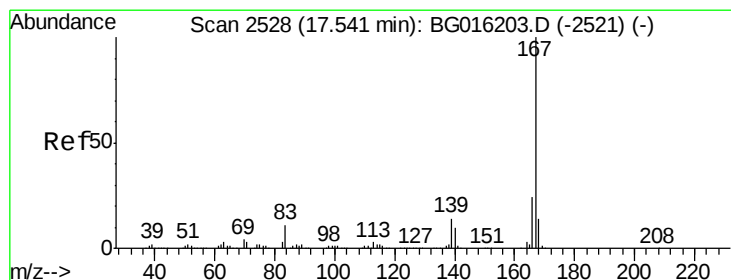
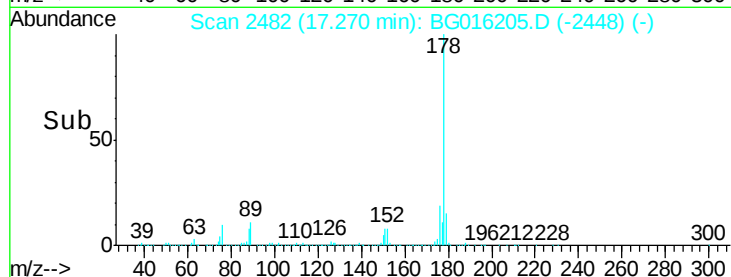
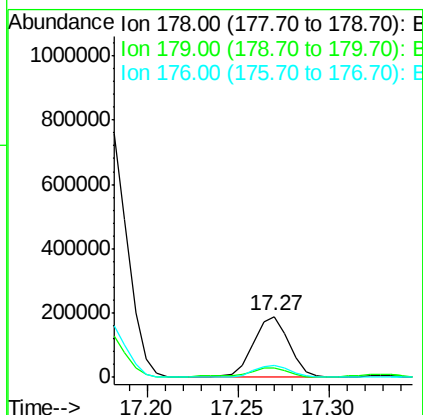
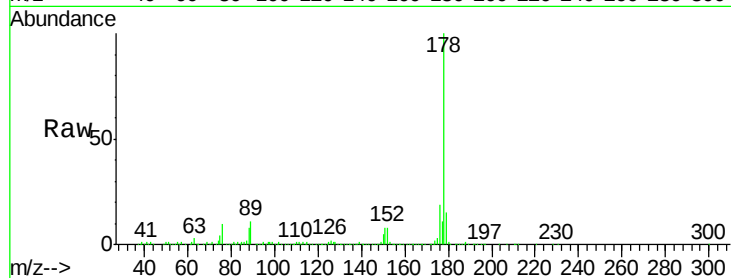




#71
 Anthracene
 Concen: 11.07 ng/ul
 RT: 17.27 min Scan# 2482
 Delta R.T. -0.00 min
 Lab File: BG016205.D
 Acq: 31 Mar 2015 18:19

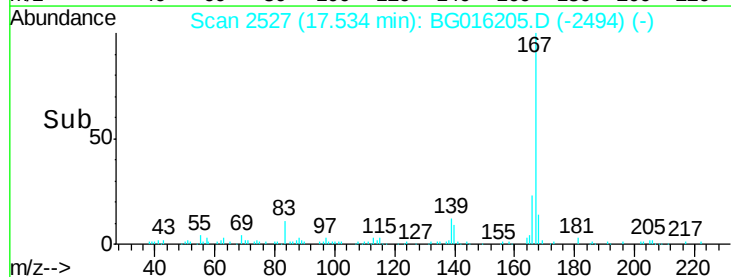
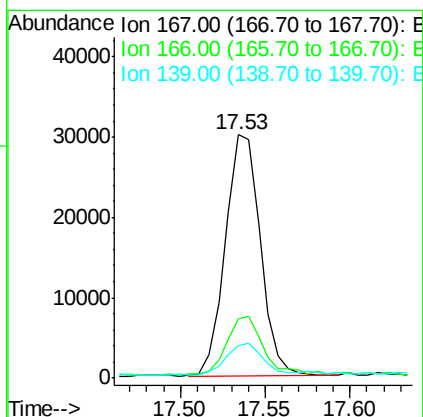
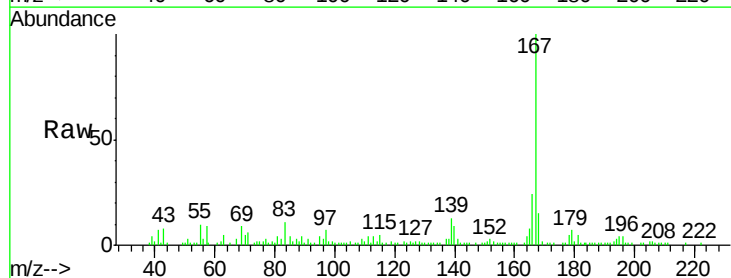
Instrument :
 BNA_G
 ClientSampleId :

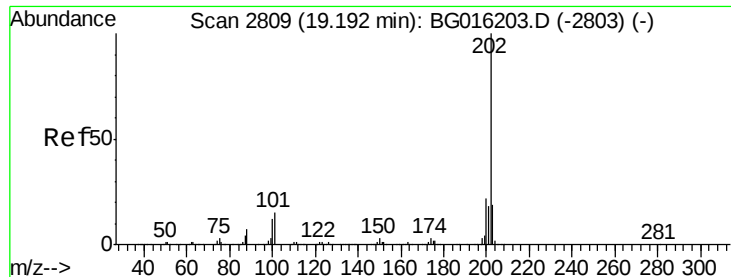
Tot Ion:178 Resp: 259805
 Ion Ratio Lower Upper
 178 100
 179 15.0 13.0 19.4
 176 19.1 15.9 23.9



#72
 Carbazole
 Concen: 1.91 ng/ul
 RT: 17.53 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BG016205.D
 Acq: 31 Mar 2015 18:19

Tgt Ion:167 Resp: 43196
 Ion Ratio Lower Upper
 167 100
 166 24.4 18.4 27.6
 139 13.2 10.7 16.1





#74

Fluoranthene

Concen: 54.22 ng/ul

RT: 19.20 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

Instrument :

BNA_G

ClientSampleId :

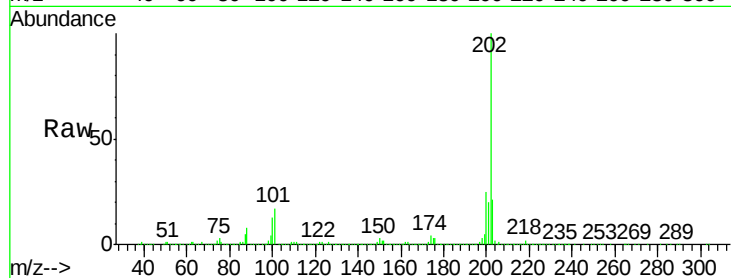
Tot Ion:202 Resp: 1384097

Ion Ratio Lower Upper

202 100

101 16.9 11.8 17.8

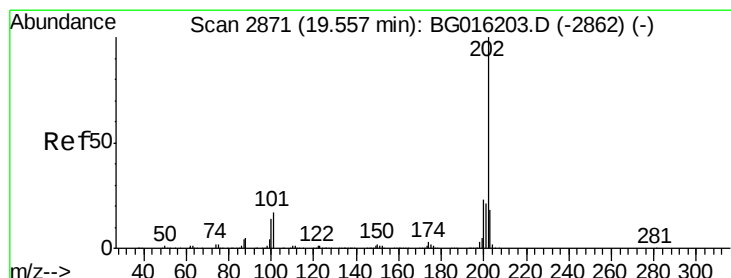
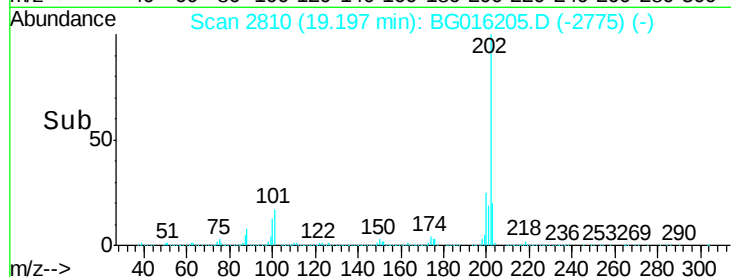
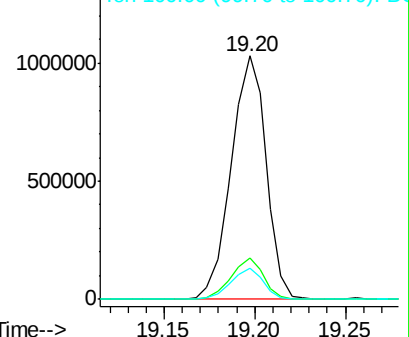
100 12.9 9.4 14.0



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: 45.69 ng/ul

RT: 19.56 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

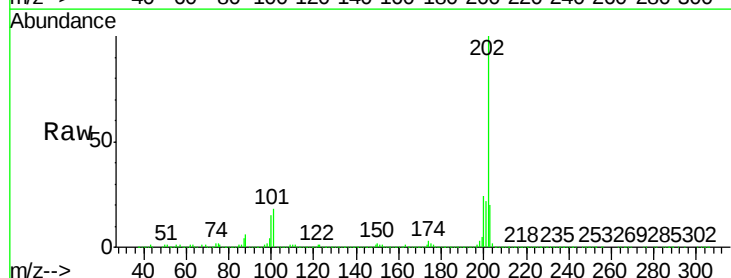
Tgt Ion:202 Resp: 1126390

Ion Ratio Lower Upper

202 100

101 17.8 13.4 20.0

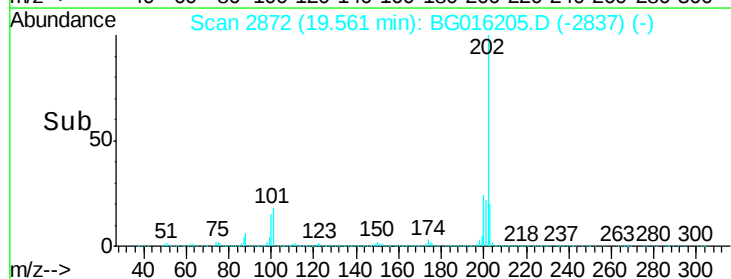
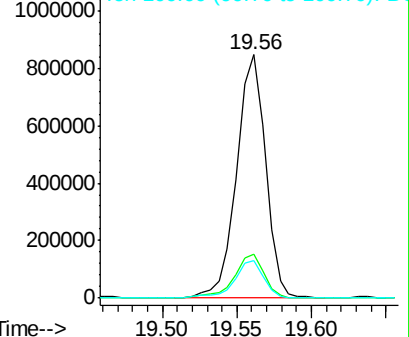
100 15.4 11.1 16.7

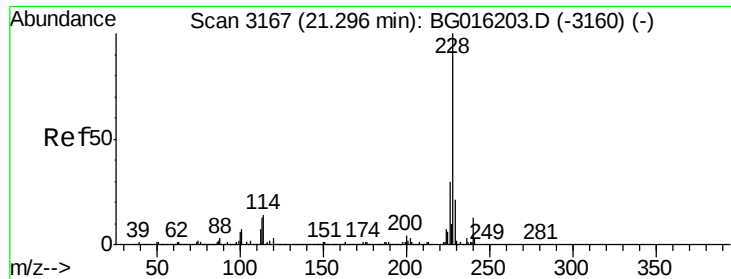


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

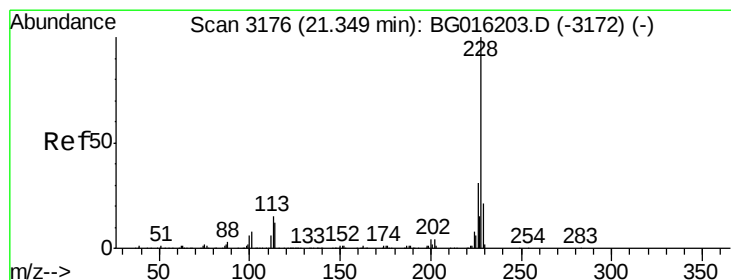
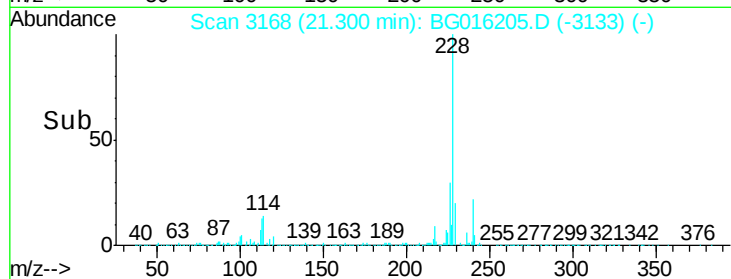
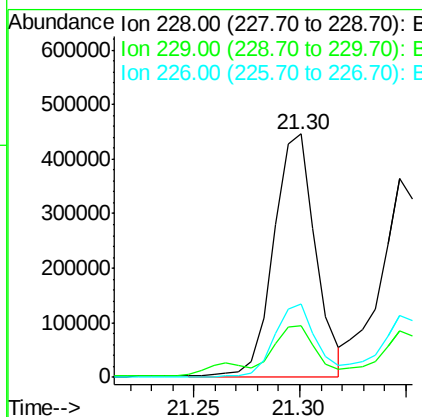
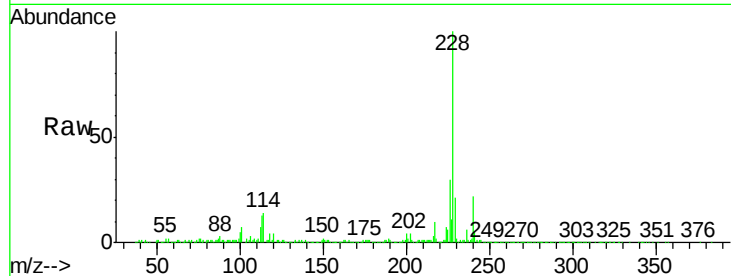




#80
Benzo(a)anthracene
Concen: 26.68 ng/ul
RT: 21.30 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BG016205.D
Acq: 31 Mar 2015 18:19

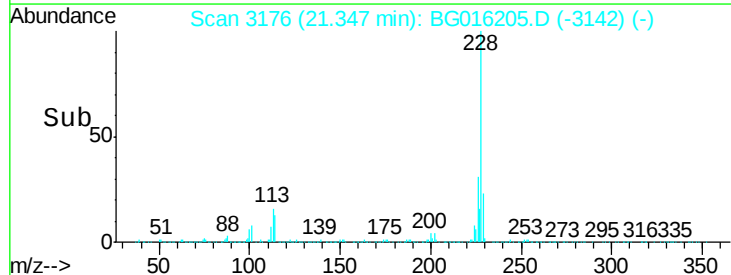
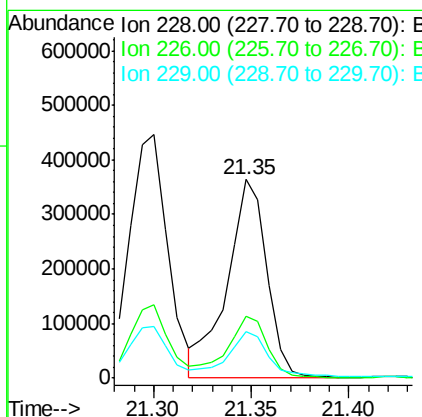
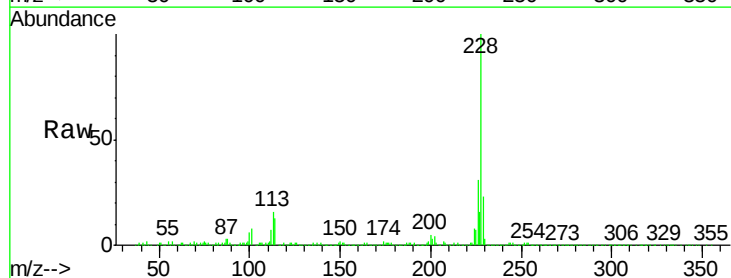
Instrument :
BNA_G
ClientSampleId :

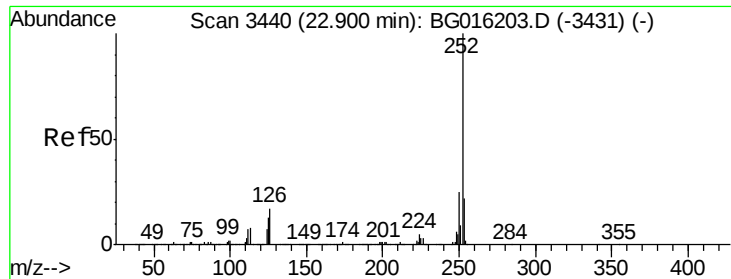
Tot Ion:228 Resp: 613438
Ion Ratio Lower Upper
228 100
229 21.3 16.5 24.7
226 30.0 23.0 34.4



#82
Chrysene
Concen: 23.84 ng/ul
RT: 21.35 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BG016205.D
Acq: 31 Mar 2015 18:19

Tgt Ion:228 Resp: 509148
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.0
229 23.1 16.5 24.7





#85

Benzo(b)fluoranthene

Concen: 25.73 ng/ul

RT: 22.90 min Scan# 3441

Delta R.T. 0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

Instrument :

BNA_G

ClientSampleId :

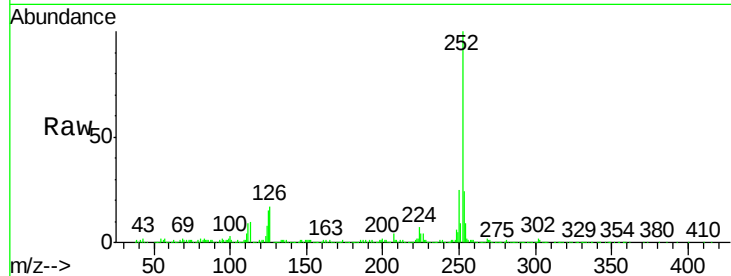
Tot Ion:252 Resp: 597054

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

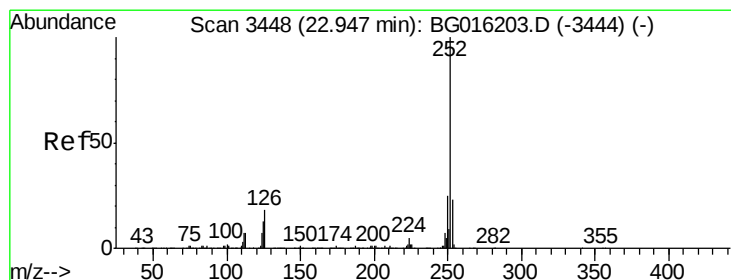
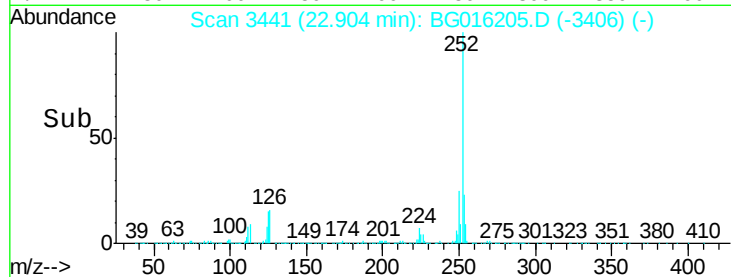
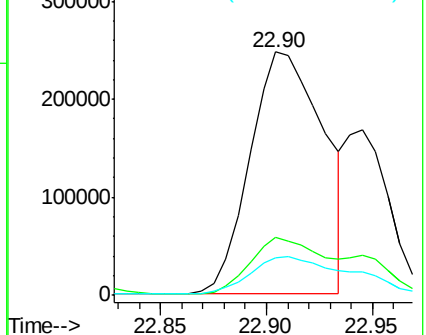
125 15.3 10.6 15.8



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: 10.28 ng/ul

RT: 22.95 min Scan# 3448

Delta R.T. -0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

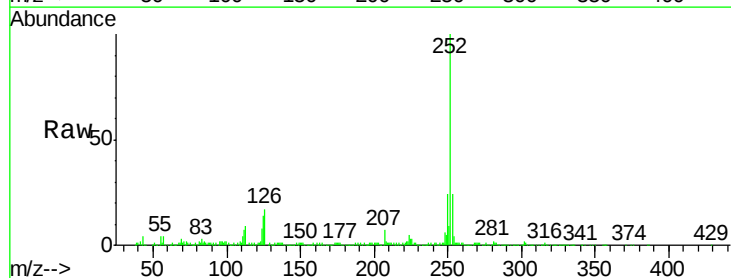
Tgt Ion:252 Resp: 229754

Ion Ratio Lower Upper

252 100

253 24.4 18.6 28.0

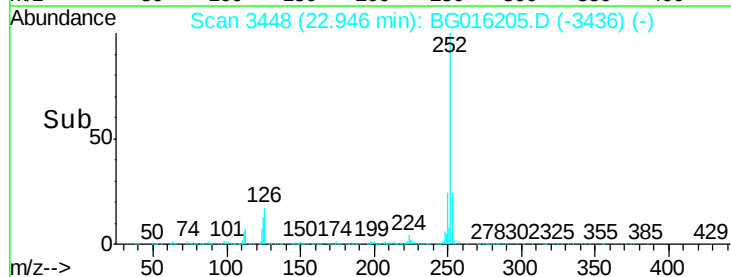
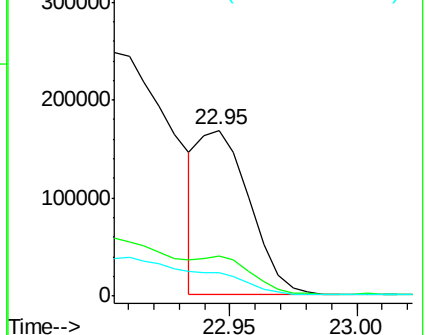
125 14.0 11.8 17.6

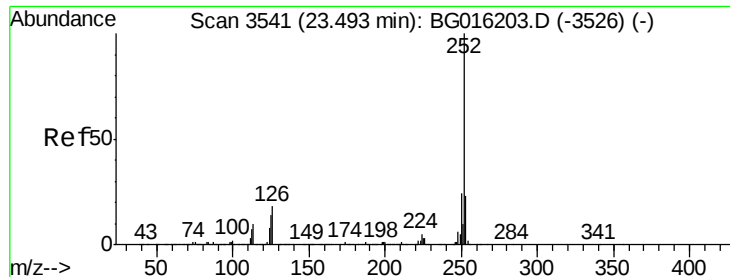


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 20.52 ng/ul

RT: 23.50 min Scan# 3542

Delta R.T. 0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

Instrument :

BNA_G

ClientSampleId :

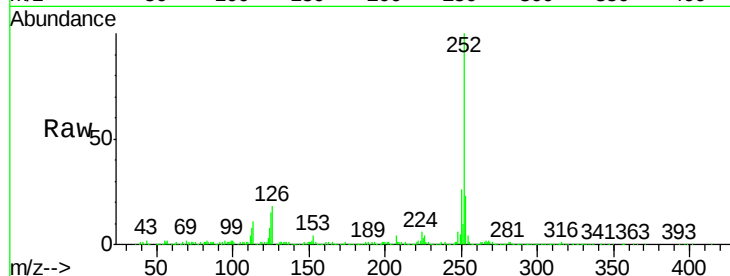
Tot Ion:252 Resp: 454003

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

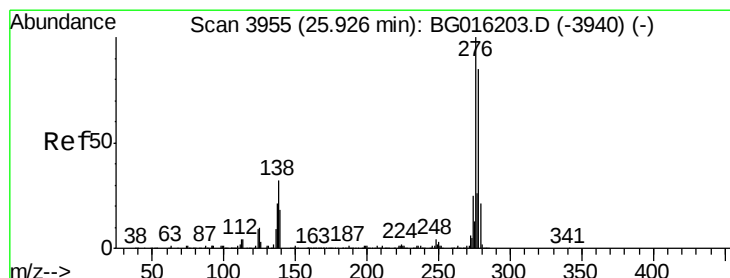
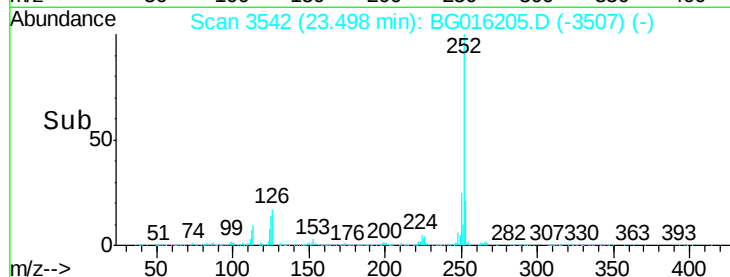
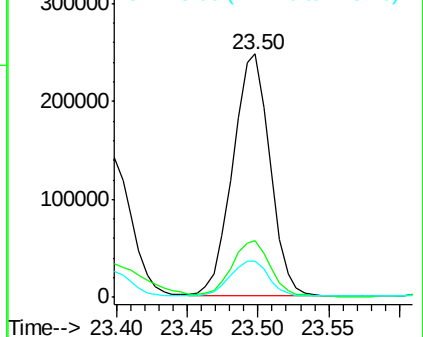
125 14.9 12.1 18.1



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.26 ng/ul

RT: 25.92 min Scan# 3955

Delta R.T. -0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

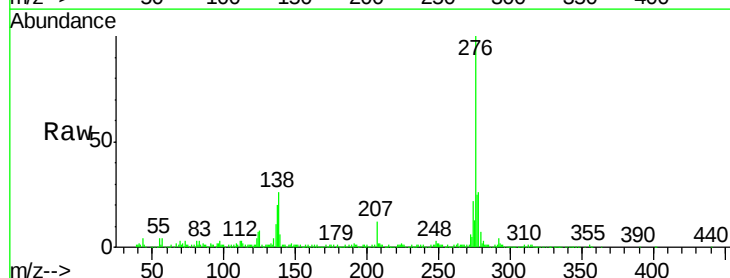
Tgt Ion:276 Resp: 265378

Ion Ratio Lower Upper

276 100

138 26.5 27.0 40.6#

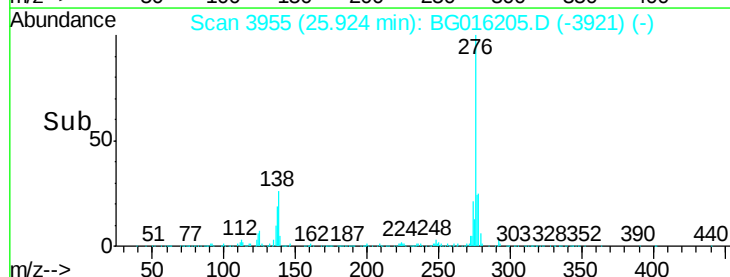
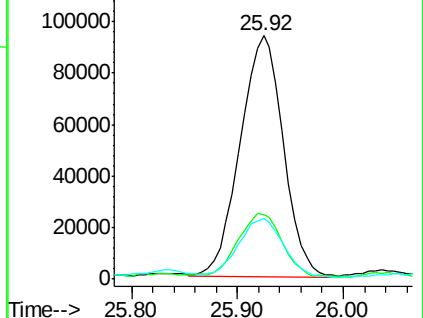
277 24.8 21.8 32.6

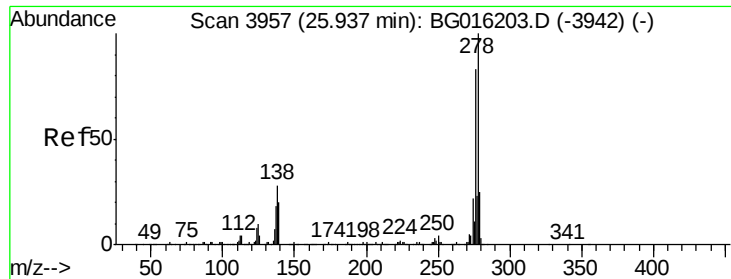


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.55 ng/ul

RT: 25.92 min Scan# 3955

Delta R.T. -0.01 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

Instrument :

BNA_G

ClientSampleId :

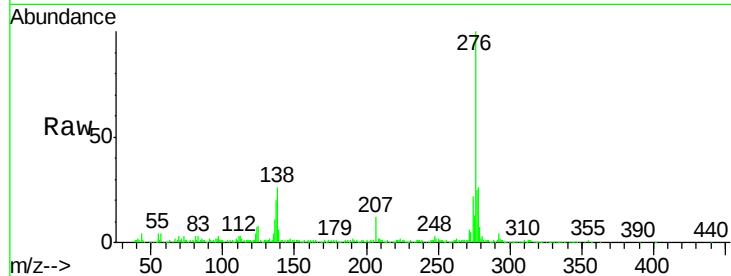
Tot Ion:278 Resp: 76516

Ion Ratio Lower Upper

278 100

139 22.0 16.5 24.7

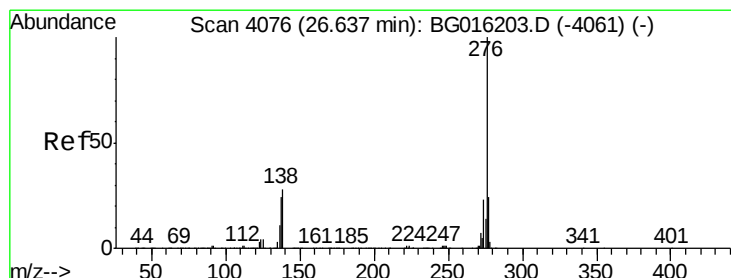
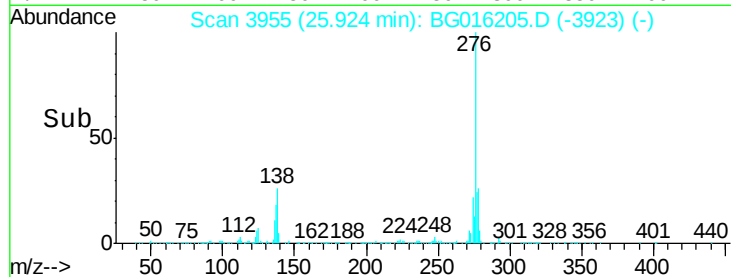
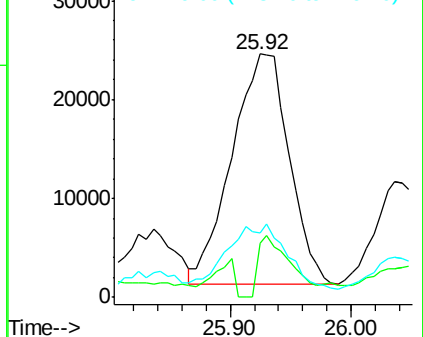
279 26.5 19.3 28.9



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(g,h,i)perylene

Concen: 8.98 ng/ul

RT: 26.64 min Scan# 4077

Delta R.T. 0.00 min

Lab File: BG016205.D

Acq: 31 Mar 2015 18:19

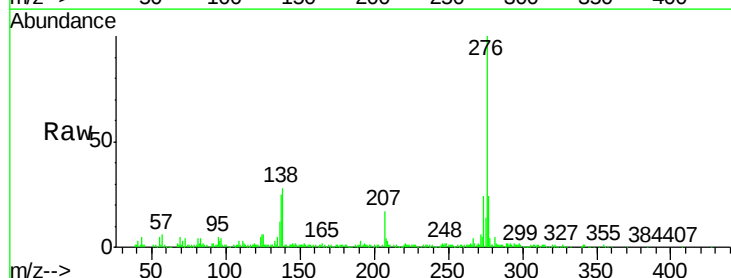
Tgt Ion:276 Resp: 189799

Ion Ratio Lower Upper

276 100

138 28.1 21.0 31.6

277 24.3 19.2 28.8



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

