

Data Path : Z:\HPCHEM1\BNA G\DATA\BG033115\
 Data File : BG016213.D
 Acq On : 31 Mar 2015 22:57
 Operator : TP/IZ
 Sample : G1647-09 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 01 08:50:47 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	7.77	152	86533	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	380275	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	220342	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	412423	20.00	ng/ul	0.00
75) Chrysene-d12	21.32	240	410293	20.00	ng/ul	0.01
83) Perylene-d12	23.62	264	396447	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	6.94	99	45481	5.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	25499	5.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	35593	5.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	35716	5.78	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	18168	5.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	19385	5.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.18	165	31993	5.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	30091	3.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.80	166	91237	6.26	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	122371	5.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	19131	5.21	ng/ul	0.00
57) Fluorene-d10	15.39	176	84158	5.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	6185	2.19	ng/ul	0.01
70) Anthracene-d10	17.24	188	112977	5.96	ng/ul	0.00
76) Pyrene-d10	19.54	212	111769	6.00	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.46	264	102769	5.75	ng/ul	0.02

Target Compounds

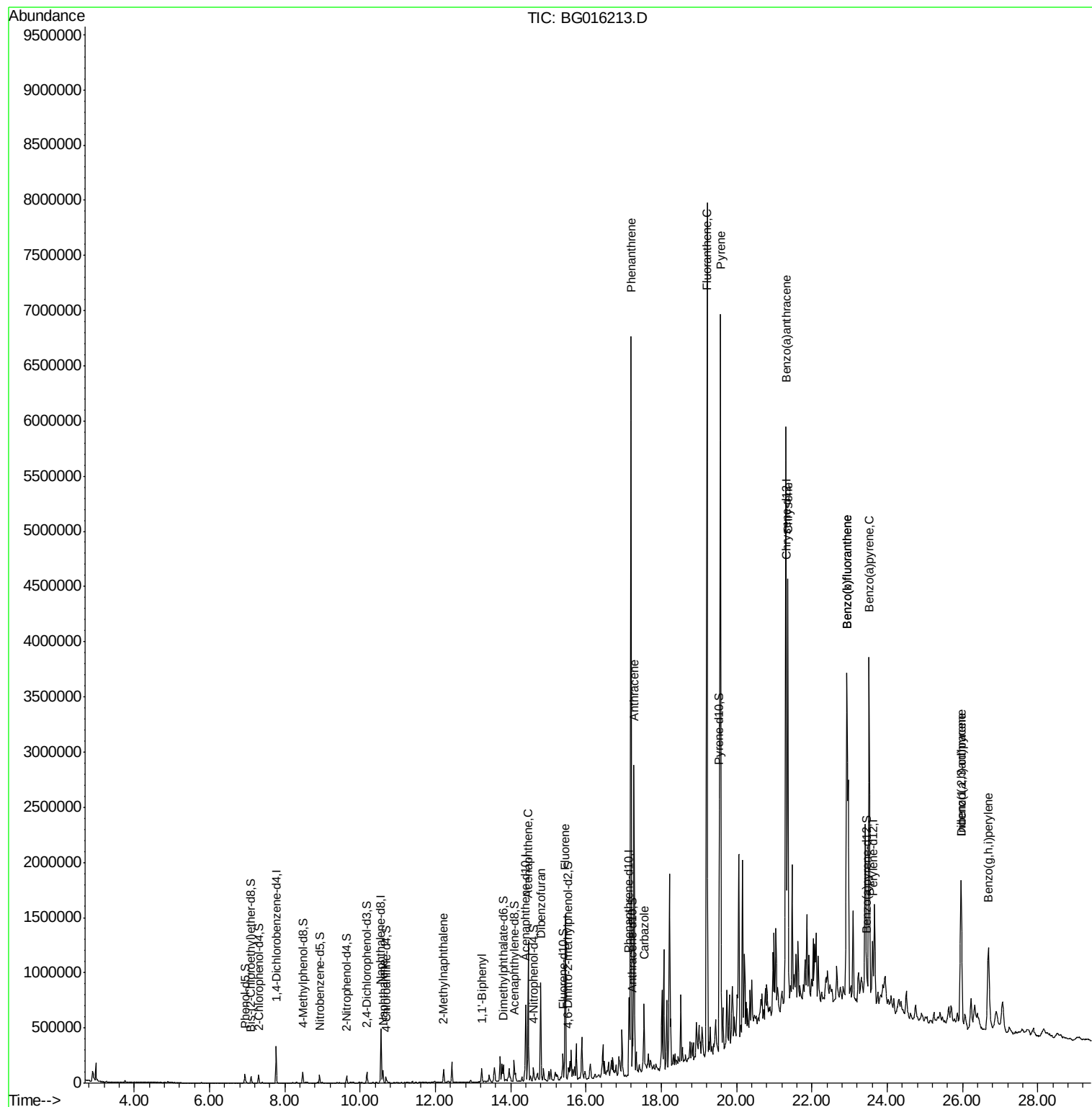
						Ovalue
28) Naphthalene	10.61	128	88552	4.33	ng/ul	99
34) 2-Methylnaphthalene	12.22	142	56972	3.93	ng/ul	95
40) 1,1'-Biphenyl	13.23	154	48730	2.77	ng/ul	98
49) Acenaphthene	14.46	153	474558	30.89	ng/ul	98
53) Dibenzofuran	14.80	168	469637	23.53	ng/ul	99
58) Fluorene	15.45	166	657647	37.60	ng/ul	99
69) Phenanthrene	17.19	178	3125536	133.50	ng/ul#	69
71) Anthracene	17.28	178	1538708	64.29	ng/ul	94
72) Carbazole	17.55	167	351632	15.22	ng/ul	98
74) Fluoranthene	19.22	202	3656513	140.51	ng/ul#	67
77) Pyrene	19.57	202	3368390	132.26	ng/ul#	69
80) Benzo(a)anthracene	21.31	228	2035666	85.71	ng/ul#	84
82) Chrysene	21.37	228	1733014	78.56	ng/ul#	87
85) Benzo(b)fluoranthene	22.93	252	2294837	96.92	ng/ul#	91
86) Benzo(k)fluoranthene	22.93	252	779064	34.15	ng/ul	94
88) Benzo(a)pyrene	23.52	252	1871669	82.91	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.97	276	1168849	44.29	ng/ul	93
90) Dibenzo(a,h)anthracene	25.96	278	302560	13.77	ng/ul#	72
91) Benzo(g,h,i)perylene	26.69	276	922090	42.74	ng/ul	99

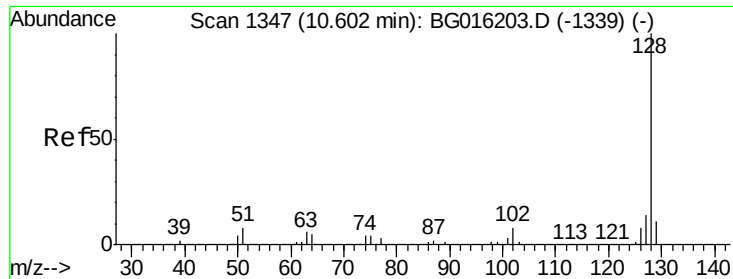
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

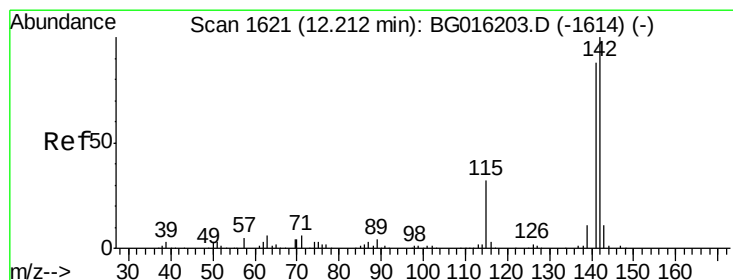
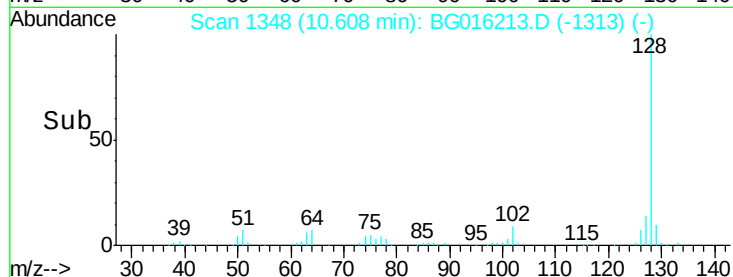
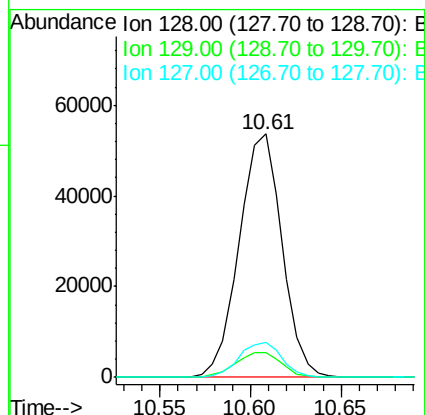
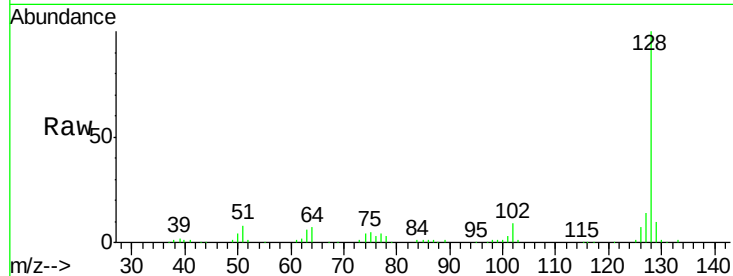




#28
Naphthalene
Concen: 4.33 ng/ul
RT: 10.61 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BG016213.D
Acq: 31 Mar 2015 22:57

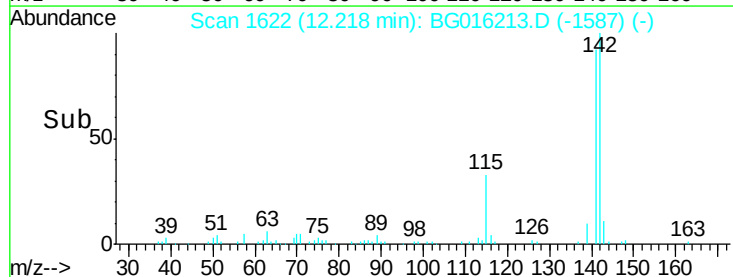
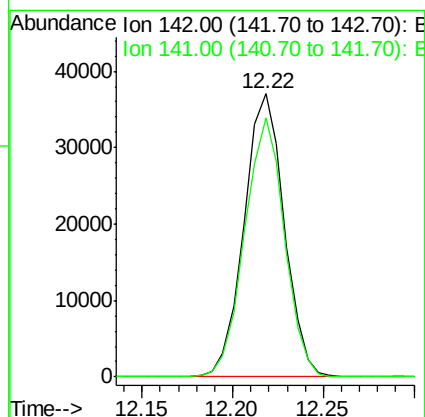
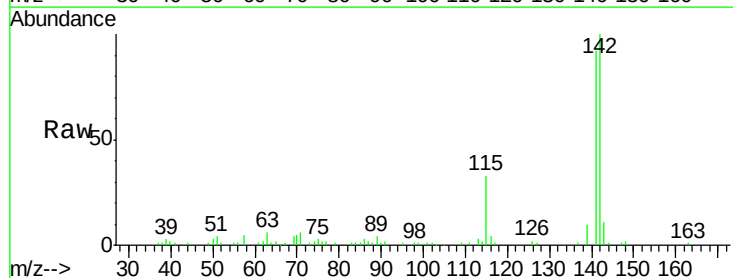
Instrument :
BNA_G
ClientSampleId :

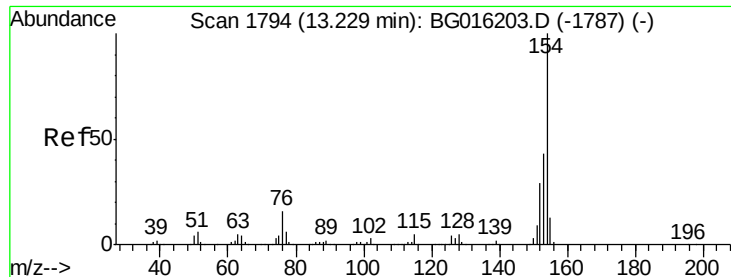
Tot Ion:128 Resp: 88552
Ion Ratio Lower Upper
128 100
129 10.3 9.2 13.8
127 14.3 11.4 17.0



#34
2-Methylnaphthalene
Concen: 3.93 ng/ul
RT: 12.22 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BG016213.D
Acq: 31 Mar 2015 22:57

Tgt Ion:142 Resp: 56972
Ion Ratio Lower Upper
142 100
141 91.6 69.7 104.5

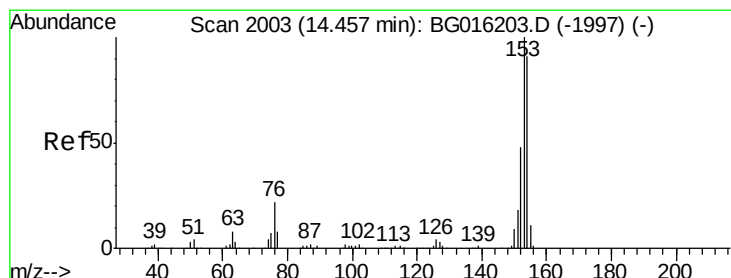
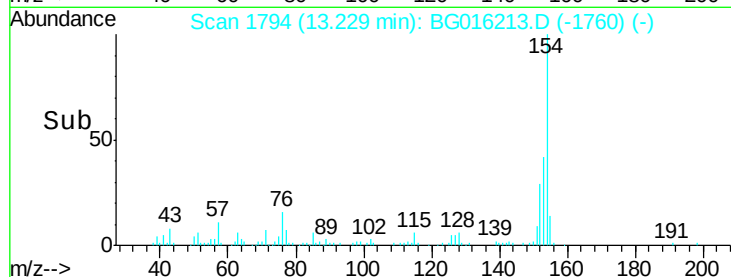
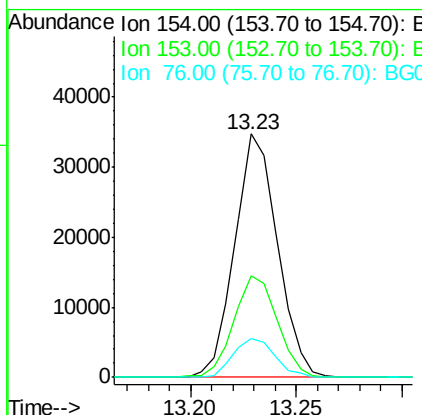
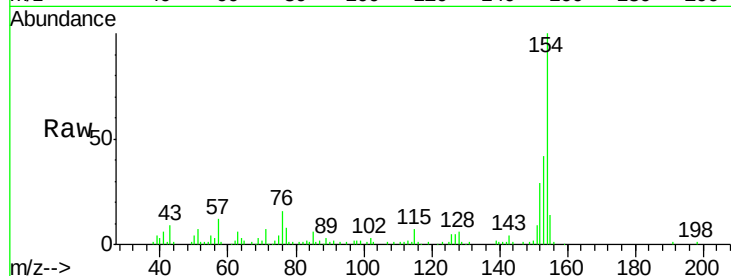




#40
 1,1'-Biphenyl
 Concen: 2.77 ng/ul
 RT: 13.23 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BG016213.D
 Acq: 31 Mar 2015 22:57

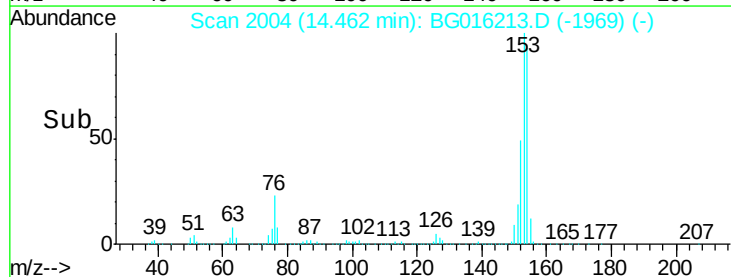
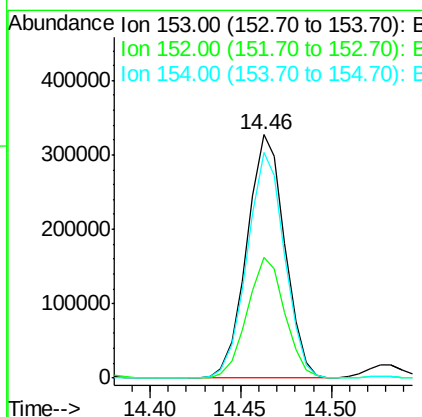
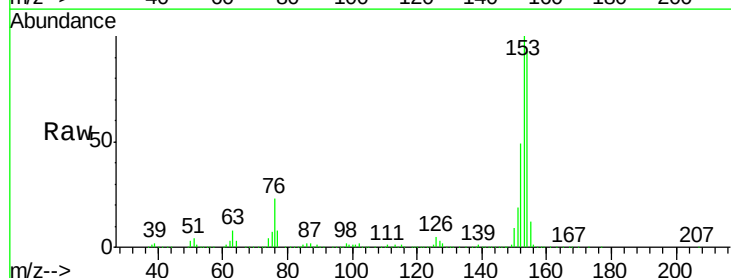
Instrument :
 BNA_G
 ClientSampleId :

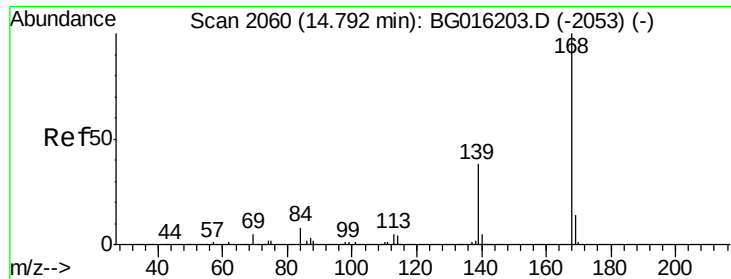
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.5	34.5	51.7
76	15.9	11.8	17.8



#49
 Acenaphthene
 Concen: 30.89 ng/ul
 RT: 14.46 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BG016213.D
 Acq: 31 Mar 2015 22:57

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.4	39.0	58.4
154	92.8	72.5	108.7

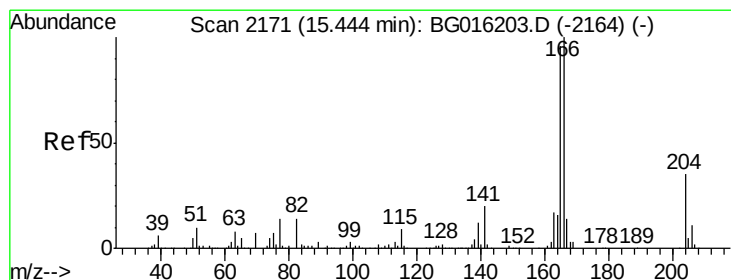
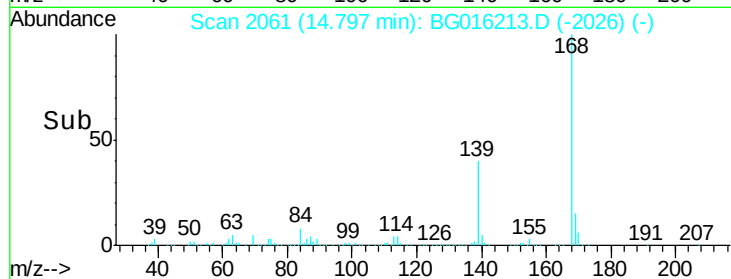
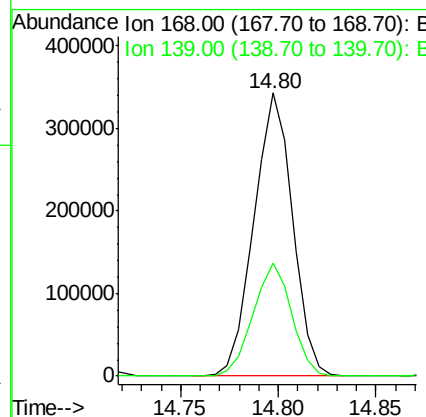
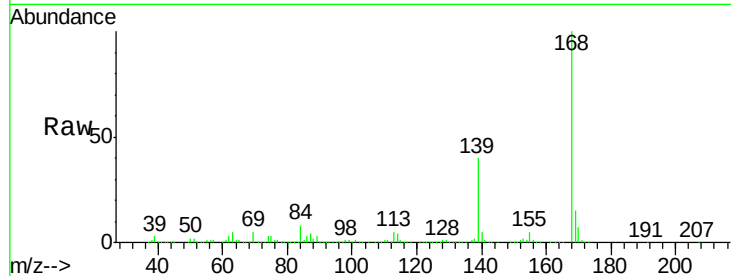




#53
Dibenzenofuran
Concen: 23.53 ng/ul
RT: 14.80 min Scan# 2061
Delta R.T. 0.01 min
Lab File: BG016213.D
Acq: 31 Mar 2015 22:57

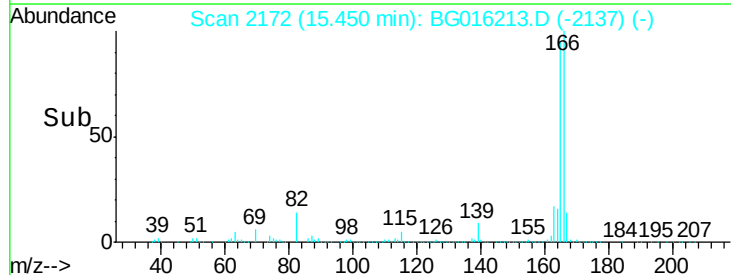
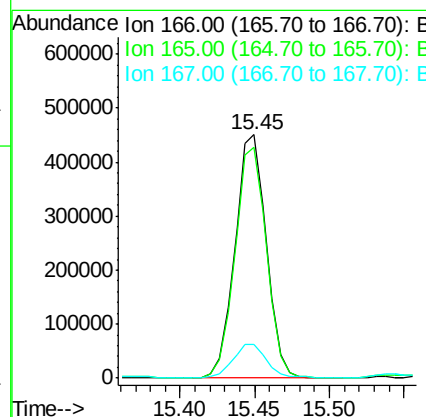
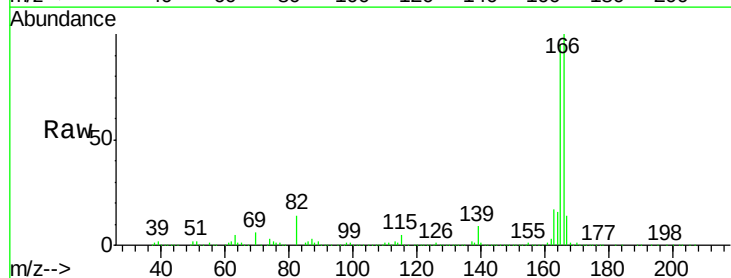
Instrument :
BNA_G
ClientSampleId :

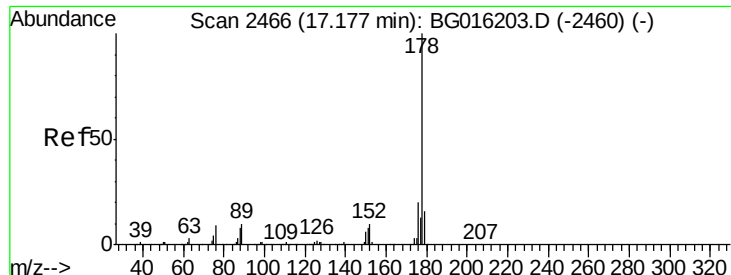
Tot Ion:168 Resp: 469637
Ion Ratio Lower Upper
168 100
139 39.9 31.4 47.0



#58
Fluorene
Concen: 37.60 ng/ul
RT: 15.45 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BG016213.D
Acq: 31 Mar 2015 22:57

Tgt Ion:166 Resp: 657647
Ion Ratio Lower Upper
166 100
165 95.0 75.6 113.4
167 13.9 10.7 16.1





#69

Phenanthrene

Concen: 133.50 ng/ul

RT: 17.19 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

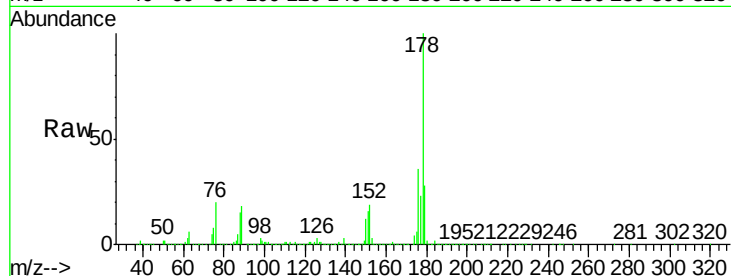
Instrument :

BNA_G

ClientSampled :

Tot Ion:178 Resp: 3125536

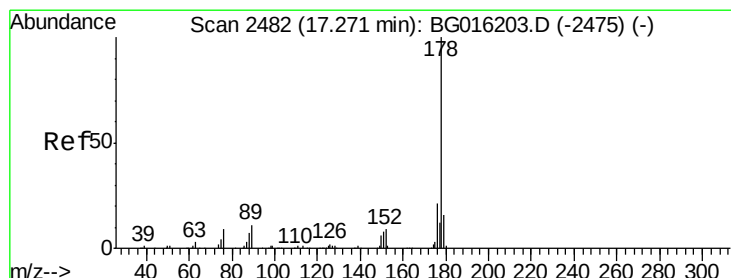
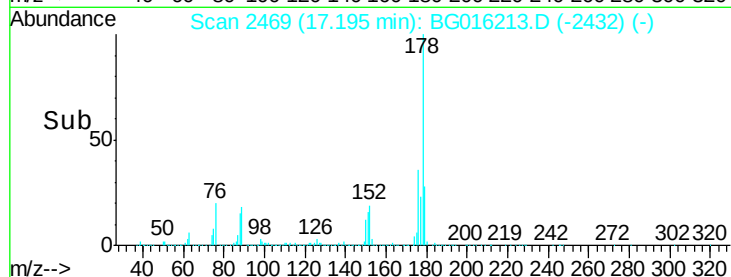
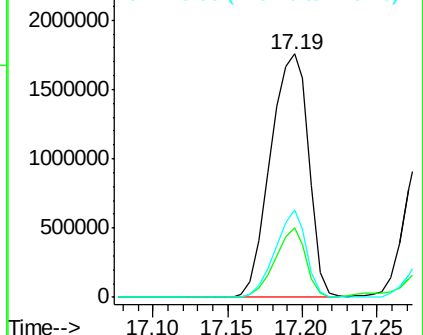
Ion	Ratio	Lower	Upper
178	100		
179	28.5	12.6	19.0#
176	35.7	16.6	24.8#



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: 64.29 ng/ul

RT: 17.28 min Scan# 2483

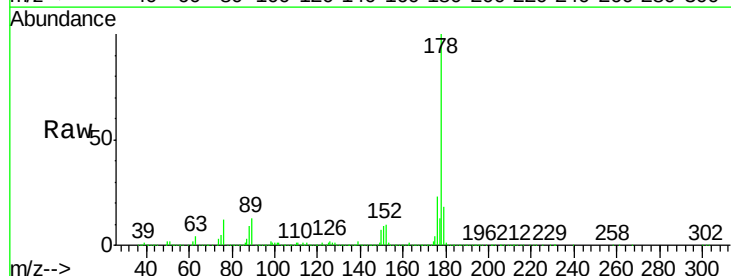
Delta R.T. 0.01 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

Tgt Ion:178 Resp: 1538708

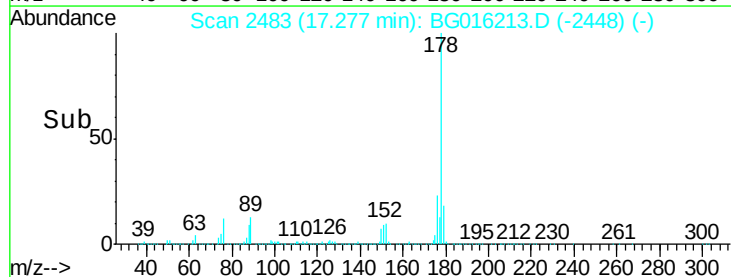
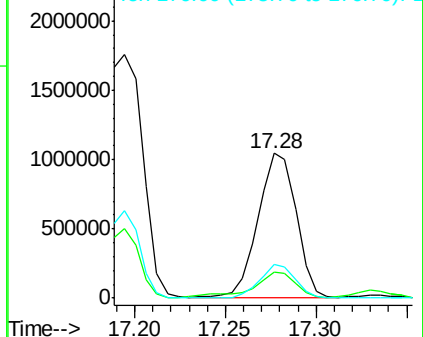
Ion	Ratio	Lower	Upper
178	100		
179	18.4	13.0	19.4
176	22.9	15.9	23.9

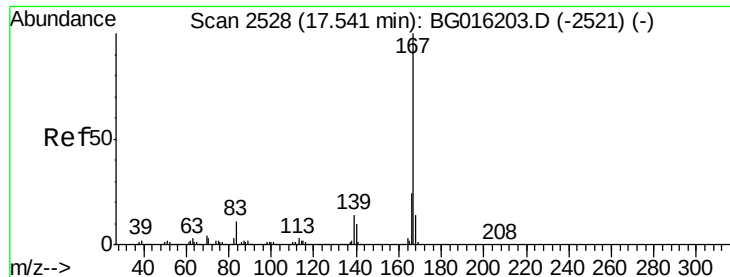


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

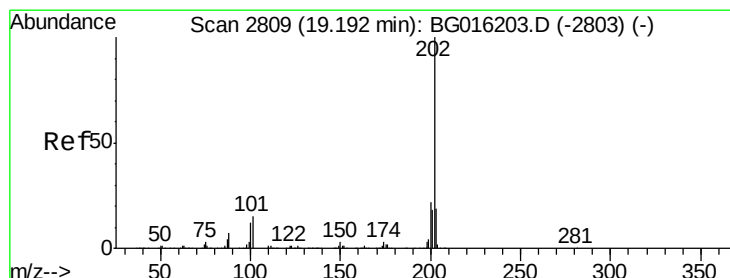
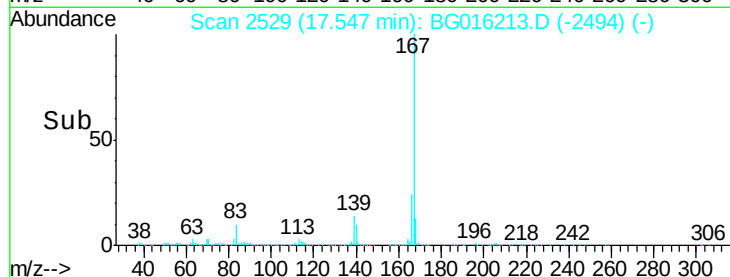
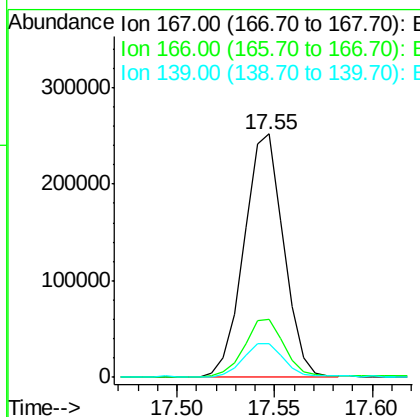
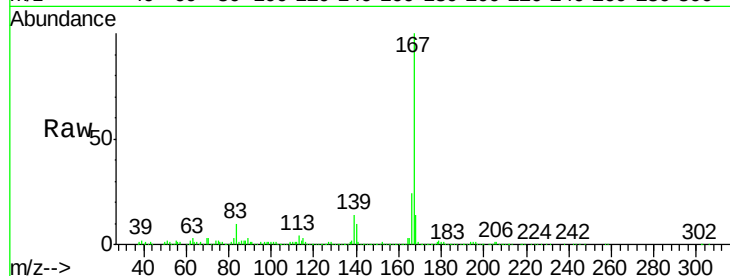




#72
 Carbazole
 Concen: 15.22 ng/ul
 RT: 17.55 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BG016213.D
 Acq: 31 Mar 2015 22:57

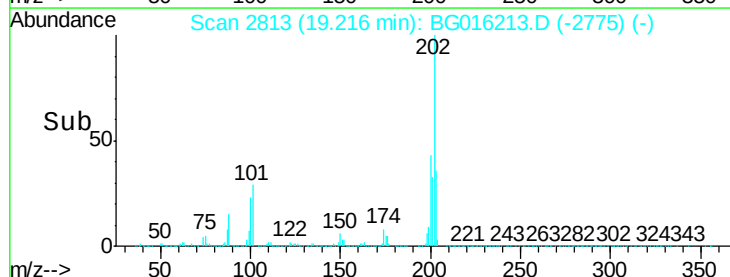
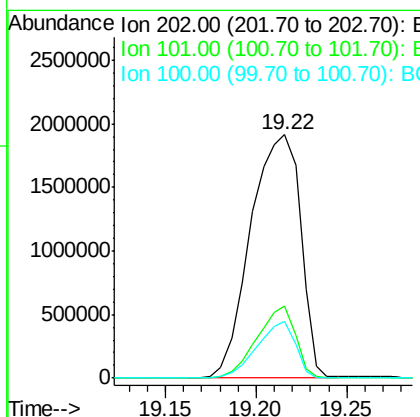
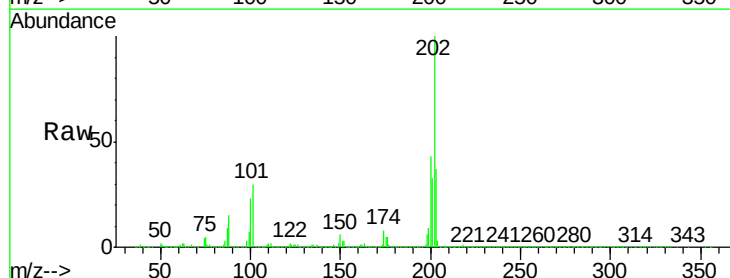
Instrument :
 BNA_G
 ClientSampleId :

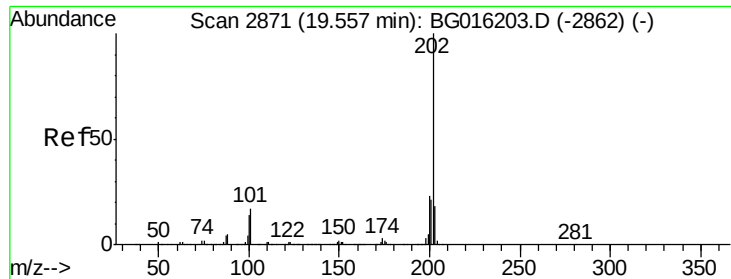
Tot Ion:167 Resp: 351632
 Ion Ratio Lower Upper
 167 100
 166 23.9 18.4 27.6
 139 14.1 10.7 16.1



#74
 Fluoranthene
 Concen: 140.51 ng/ul
 RT: 19.22 min Scan# 2813
 Delta R.T. 0.02 min
 Lab File: BG016213.D
 Acq: 31 Mar 2015 22:57

Tgt Ion:202 Resp: 3656513
 Ion Ratio Lower Upper
 202 100
 101 29.5 11.8 17.8#
 100 23.3 9.4 14.0#





#77

Pvrene

Concen: 132.26 ng/ul

RT: 19.57 min Scan# 2874

Delta R.T. 0.02 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

Instrument :

BNA_G

ClientSampleId :

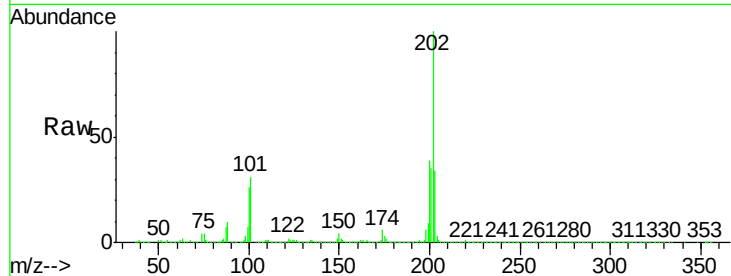
Tot Ion:202 Resp: 3368390

Ion Ratio Lower Upper

202 100

101 30.6 13.4 20.0#

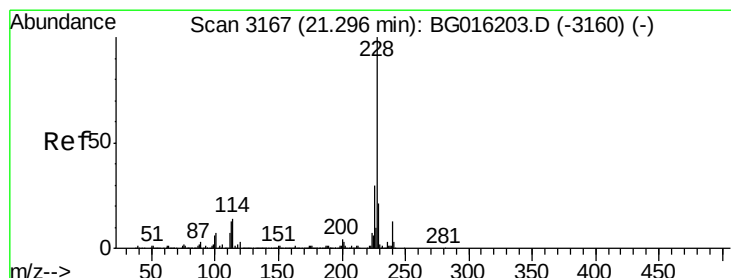
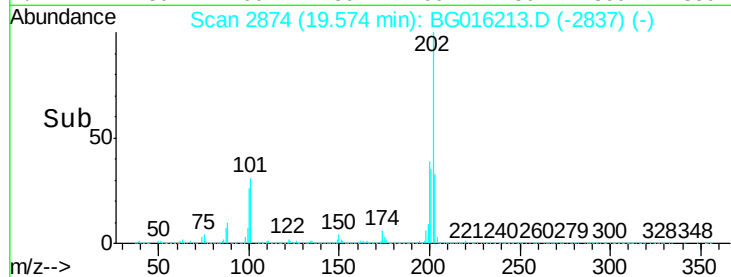
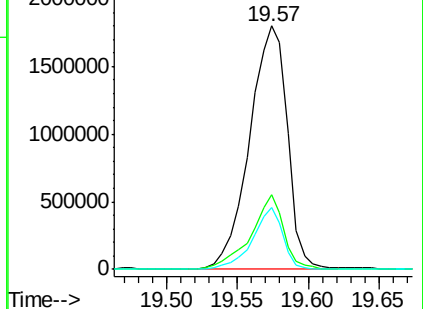
100 25.5 11.1 16.7#



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): E



#80

Benzo(a)anthracene

Concen: 85.71 ng/ul

RT: 21.31 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

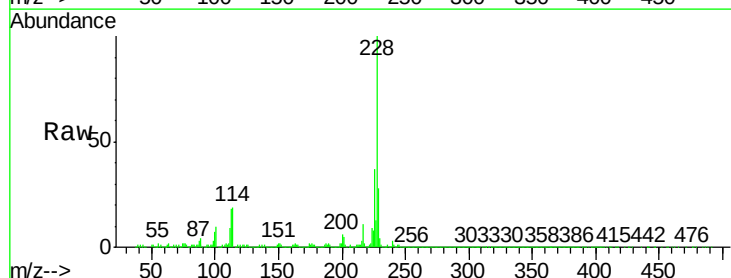
Tgt Ion:228 Resp: 2035666

Ion Ratio Lower Upper

228 100

229 28.4 16.5 24.7#

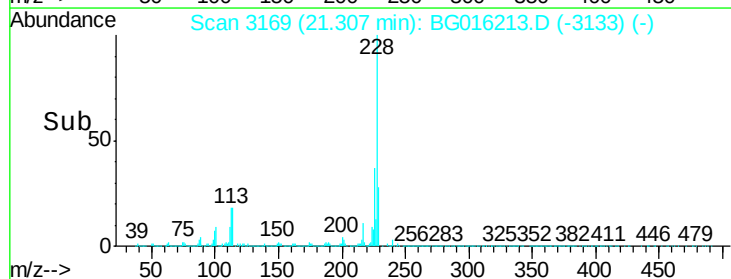
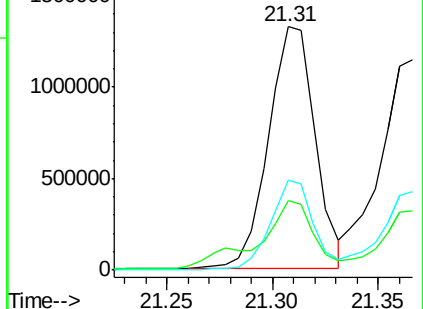
226 36.8 23.0 34.4#

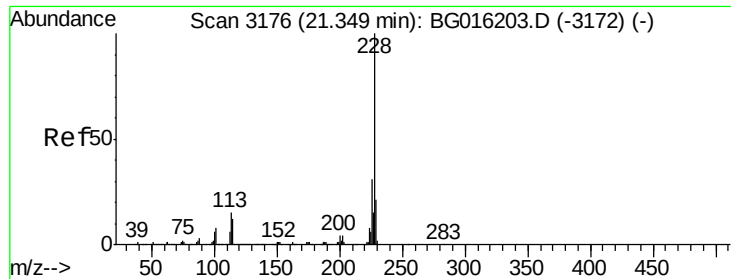


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

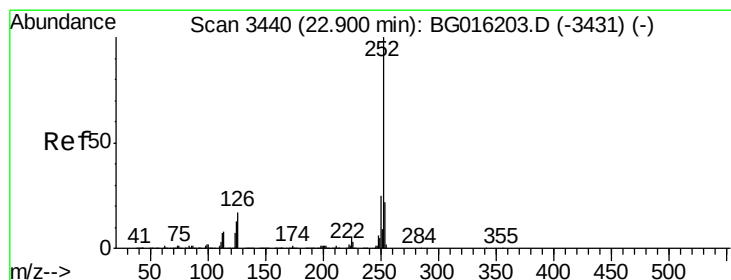
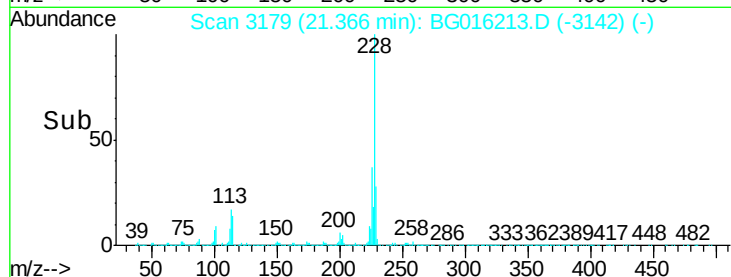
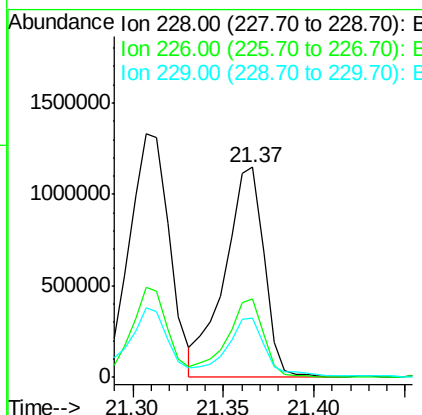
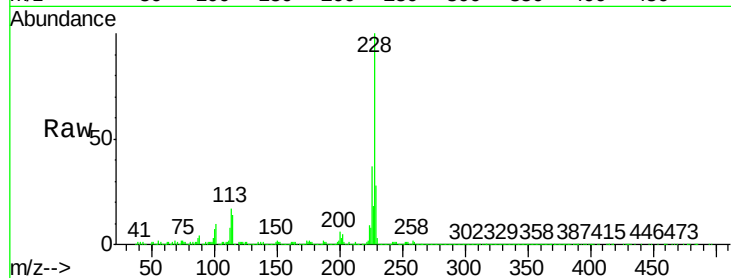




#82
Chrysene
Concen: 78.56 ng/ul
RT: 21.37 min Scan# 3179
Delta R.T. 0.02 min
Lab File: BG016213.D
Acq: 31 Mar 2015 22:57

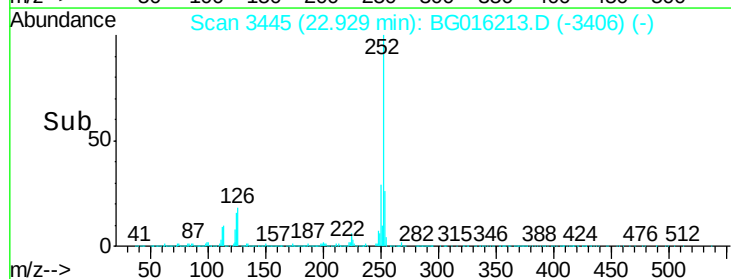
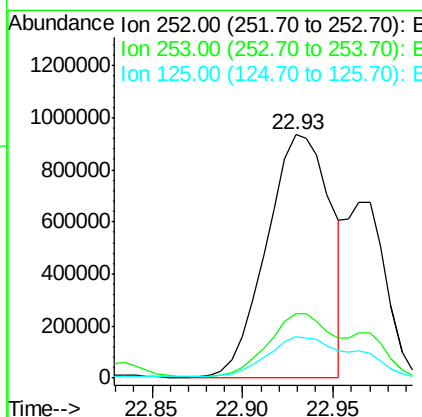
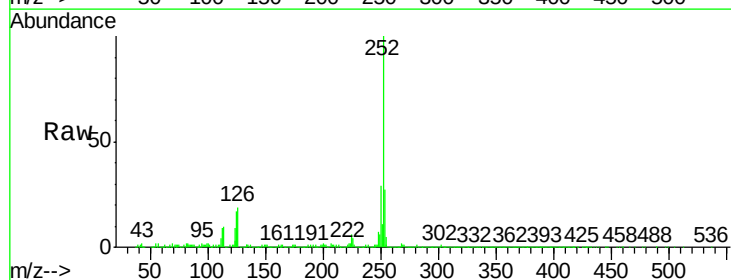
Instrument :
BNA_G
ClientSampleId :

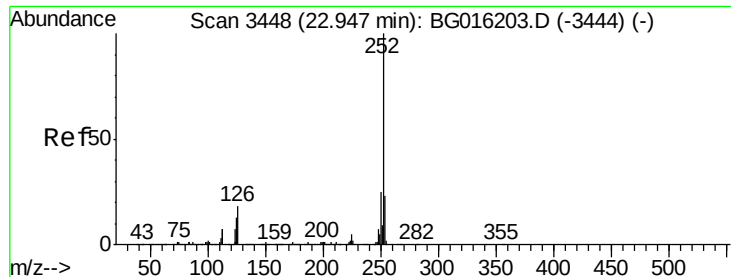
Tot Ion:228 Resp: 1733014
Ion Ratio Lower Upper
228 100
226 37.3 25.4 38.0
229 28.4 16.5 24.7#



#85
Benzo(b)fluoranthene
Concen: 96.92 ng/ul
RT: 22.93 min Scan# 3445
Delta R.T. 0.03 min
Lab File: BG016213.D
Acq: 31 Mar 2015 22:57

Tgt Ion:252 Resp: 2294837
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.6
125 16.8 10.6 15.8#





#86

Benzo(k)fluoranthene

Concen: 34.15 ng/ul

RT: 22.93 min Scan# 3445

Delta R.T. -0.02 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

Instrument :

BNA_G

ClientSampleId :

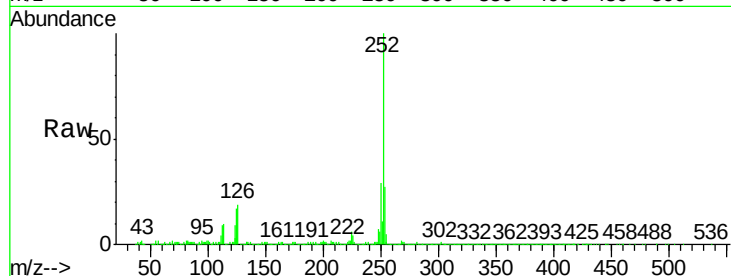
Tot Ion:252 Resp: 779064

Ion Ratio Lower Upper

252 100

253 26.5 18.6 28.0

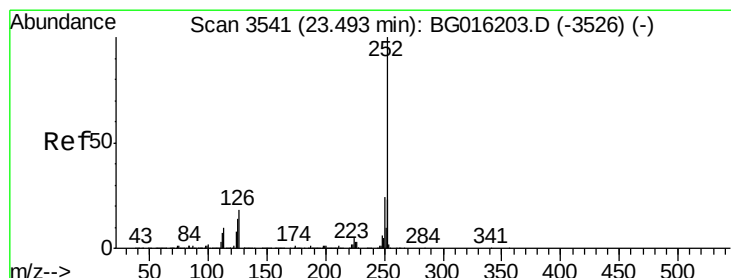
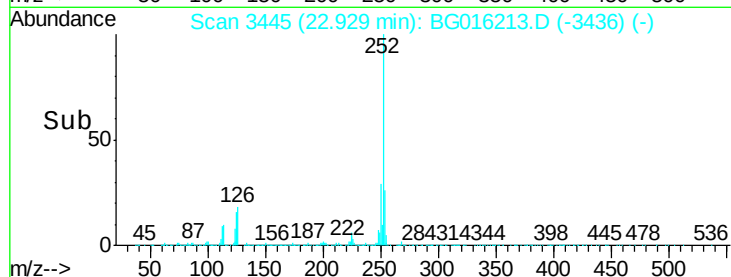
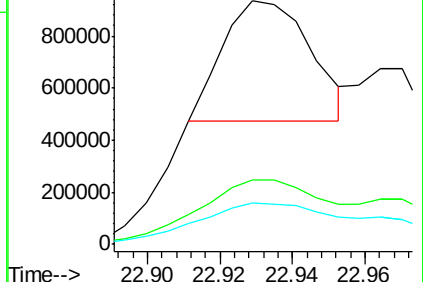
125 16.8 11.8 17.6



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: 82.91 ng/ul

RT: 23.52 min Scan# 3546

Delta R.T. 0.03 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

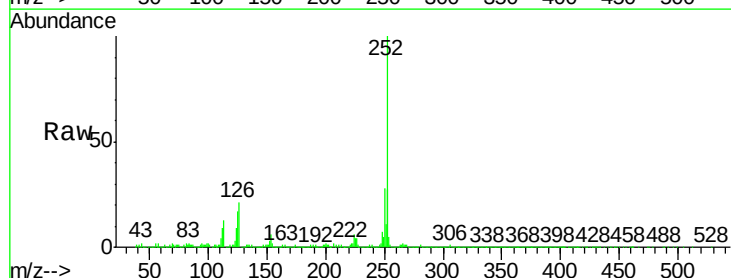
Tgt Ion:252 Resp: 1871669

Ion Ratio Lower Upper

252 100

253 27.1 17.7 26.5#

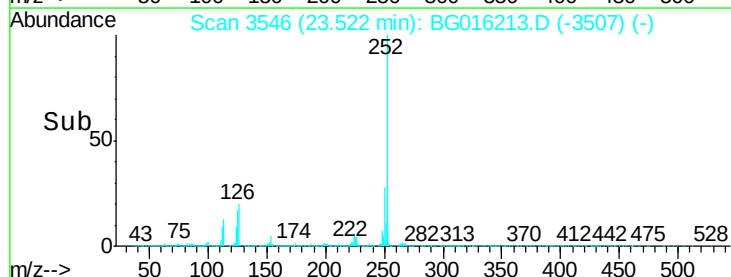
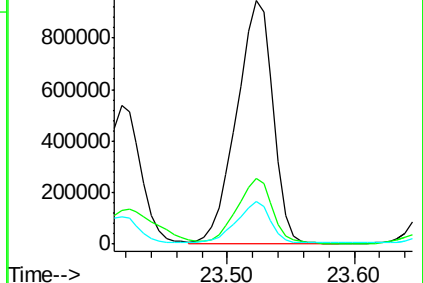
125 17.5 12.1 18.1

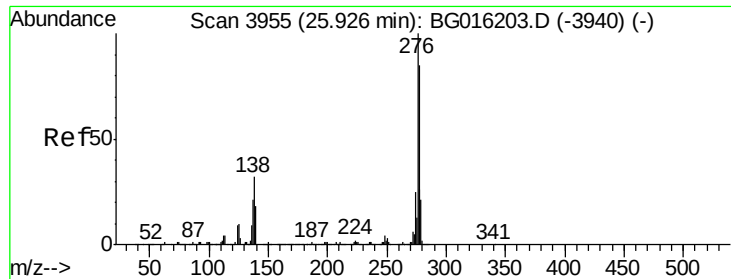


Abundance Ion 252.00 (251.70 to 252.70): E

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: 44.29 ng/ul

RT: 25.97 min Scan# 3962

Delta R.T. 0.04 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

Instrument :

BNA_G

ClientSampleId :

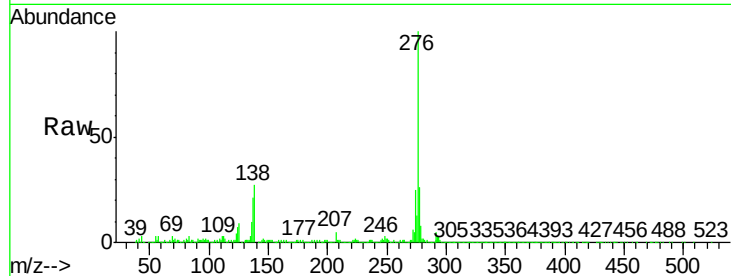
Tot Ion:276 Resp: 1168849

Ion Ratio Lower Upper

276 100

138 27.4 27.0 40.6

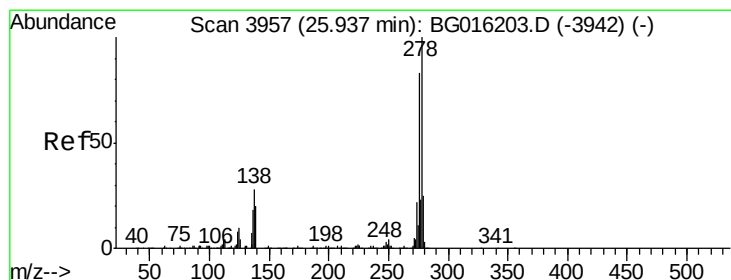
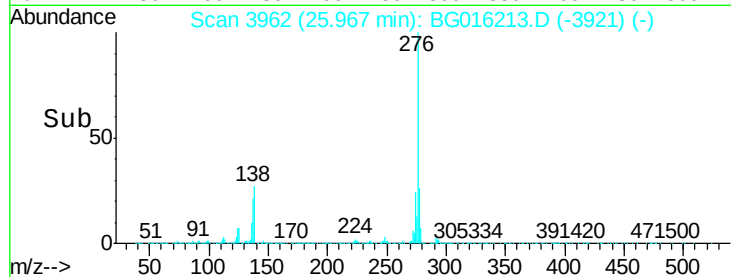
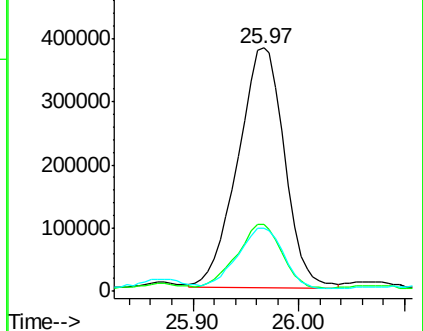
277 26.0 21.8 32.6



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: 13.77 ng/ul

RT: 25.96 min Scan# 3961

Delta R.T. 0.02 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

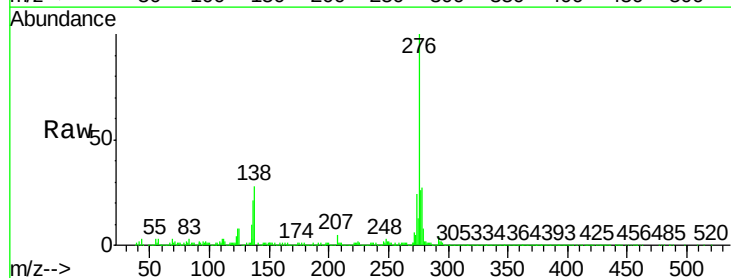
Tgt Ion:278 Resp: 302560

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

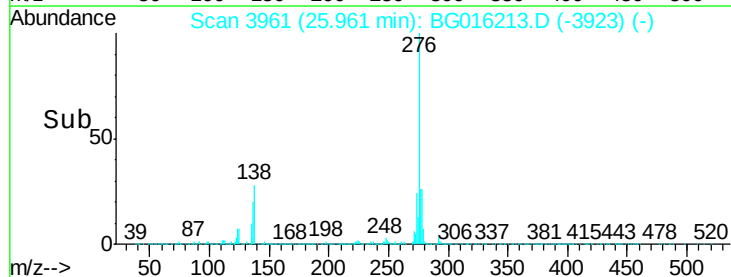
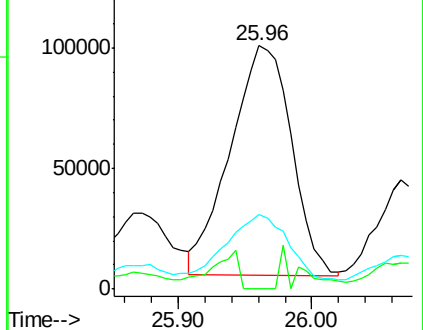
279 30.6 19.3 28.9#

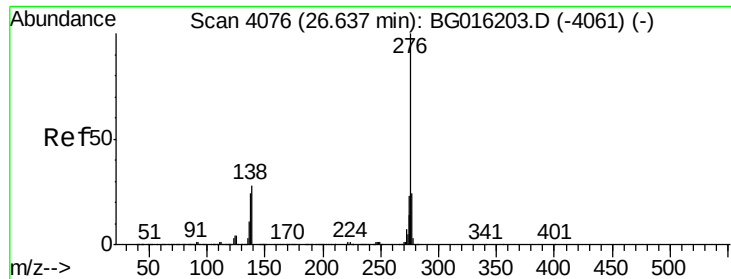


Abundance Ion 278.00 (277.70 to 278.70): E

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: 42.74 ng/ul

RT: 26.69 min Scan# 4085

Delta R.T. 0.05 min

Lab File: BG016213.D

Acq: 31 Mar 2015 22:57

Instrument :

BNA_G

ClientSampleId :

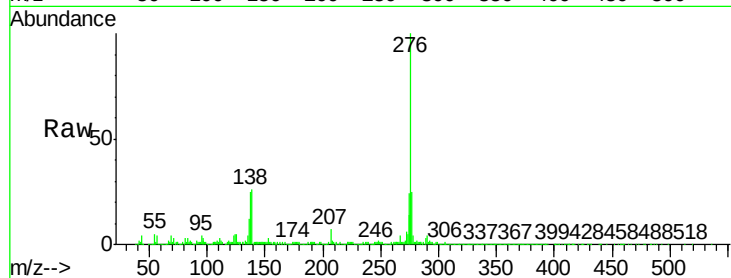
Tot Ion:276 Resp: 922090

Ion Ratio Lower Upper

276 100

138 26.2 21.0 31.6

277 25.2 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

