

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
 Data File : BG016206.D
 Acq On : 31 Mar 2015 18:54
 Operator : TP/IZ
 Sample : G1647-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD2

Quant Time: Apr 01 06:55:57 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	76463	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	345615	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	208093	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	417080	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	397664	20.00	ng/ul	0.00
83) Perylene-d12	23.59	264	390196	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	6.94	99	190137	27.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	111975	27.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	144923	26.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	149427	27.36	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	80480	27.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	87251	26.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	135482	25.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	173996	24.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	398872	29.00	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	522649	27.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	86381	24.91	ng/ul	0.00
57) Fluorene-d10	15.39	176	364171	27.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	67515	23.69	ng/ul	0.00
70) Anthracene-d10	17.23	188	507121	26.46	ng/ul	0.00
76) Pyrene-d10	19.53	212	491502	27.20	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.44	264	417089	23.69	ng/ul	0.00

Target Compounds

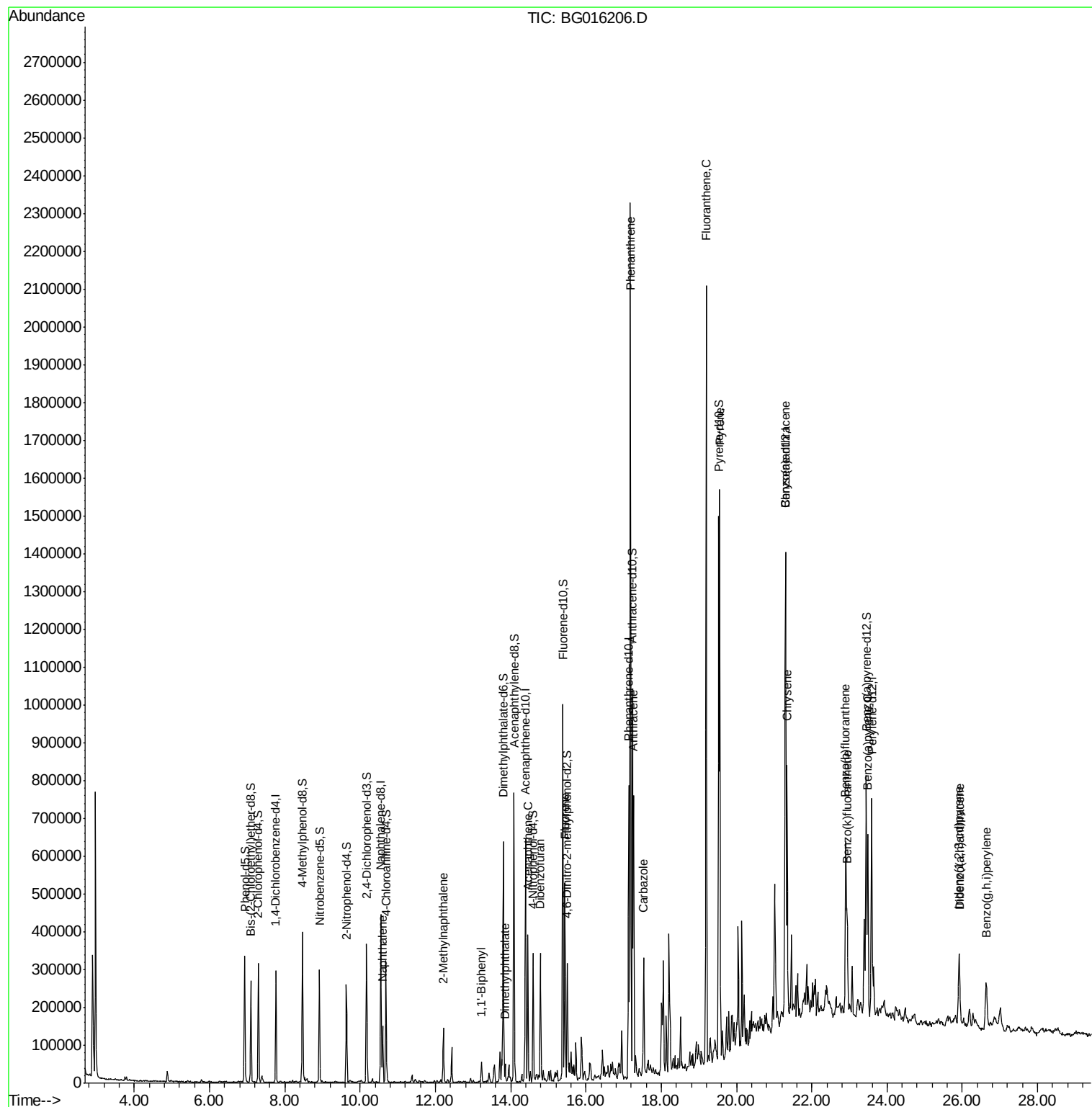
						Qvalue
28) Naphthalene	10.60	128	119569	6.43	ng/ul	98
34) 2-Methylnaphthalene	12.21	142	64886	4.93	ng/ul	98
40) 1,1'-Biphenyl	13.22	154	21622	1.30	ng/ul	97
44) Dimethylphthalate	13.85	163	26892	1.74	ng/ul#	95
49) Acenaphthene	14.46	153	148334	10.22	ng/ul	99
53) Dibenzofuran	14.79	168	179340	9.51	ng/ul	98
58) Fluorene	15.44	166	211423	12.80	ng/ul	98
69) Phenanthrene	17.18	178	1244249	52.55	ng/ul	96
71) Anthracene	17.27	178	424598	17.54	ng/ul	100
72) Carbazole	17.54	167	177310	7.59	ng/ul	99
74) Fluoranthene	19.19	202	1067971	40.58	ng/ul	98
77) Pyrene	19.56	202	837094	33.91	ng/ul	98
80) Benzo(a)anthracene	21.30	228	385159	16.73	ng/ul	99
82) Chrysene	21.34	228	322831	15.10	ng/ul	97
85) Benzo(b)fluoranthene	22.90	252	365719	15.69	ng/ul	97
86) Benzo(k)fluoranthene	22.94	252	170309m	7.59	ng/ul	
88) Benzo(a)pyrene	23.49	252	299567	13.48	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.91	276	174973	6.74	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.92	278	45704	2.11	ng/ul#	76
91) Benzo(g,h,i)perylene	26.63	276	137397	6.47	ng/ul	99

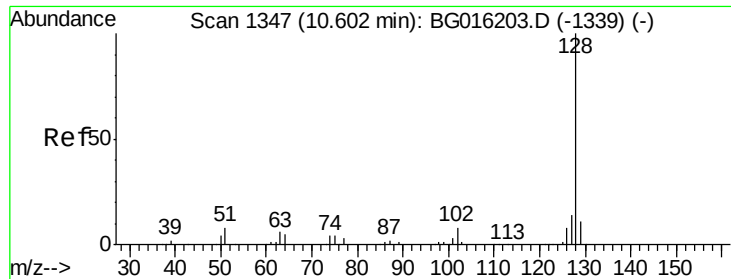
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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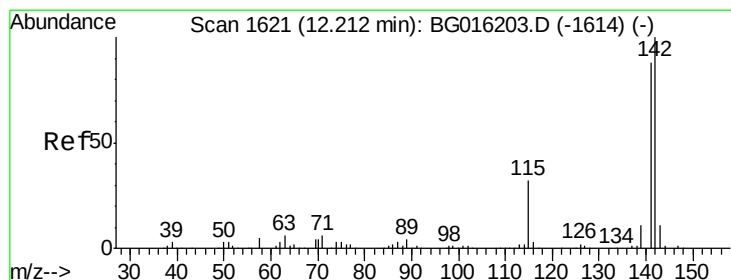
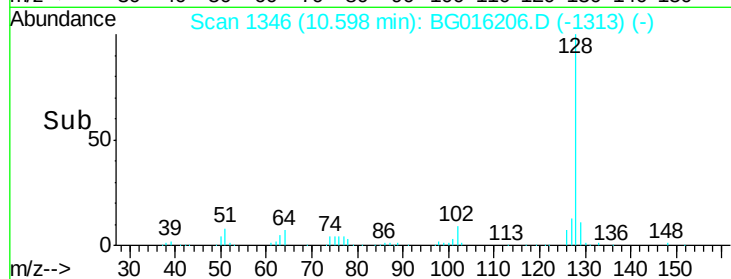
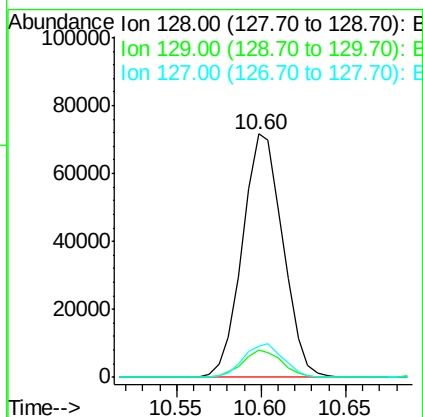
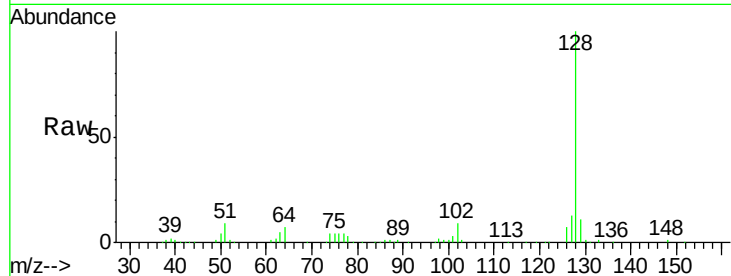




#28
Naphthalene
Concen: 6.43 ng/ul
RT: 10.60 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BG016206.D
Acq: 31 Mar 2015 18:54

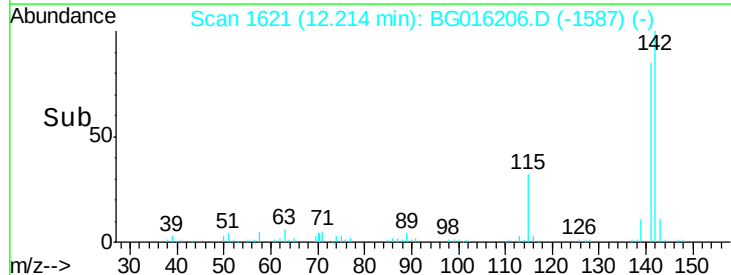
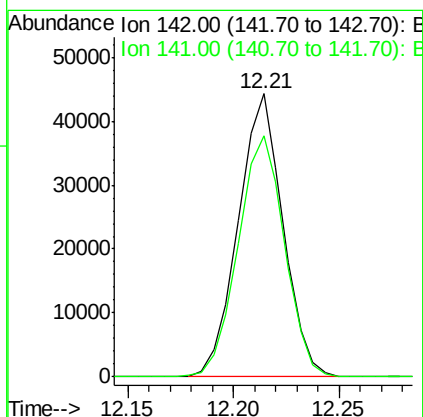
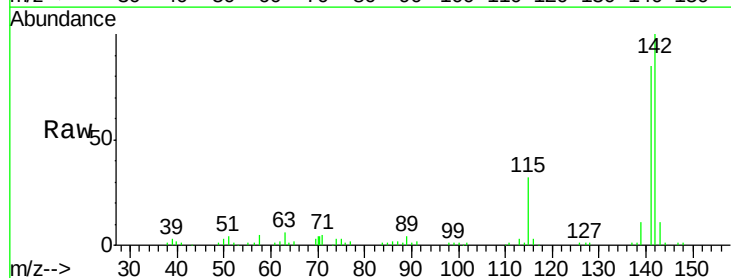
Instrument :
BNA_G
ClientSampleId :
C0AD2

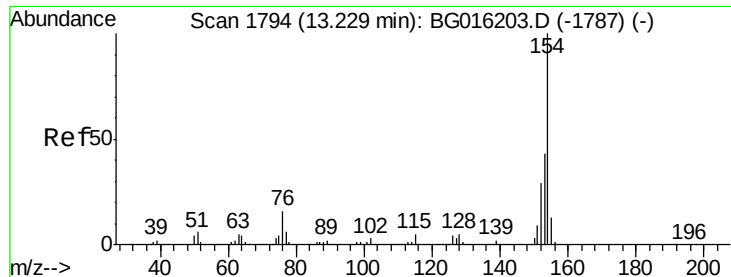
Tgt Ion:128 Resp: 119569
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 12.9 11.4 17.0



#34
2-Methylnaphthalene
Concen: 4.93 ng/ul
RT: 12.21 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BG016206.D
Acq: 31 Mar 2015 18:54

Tgt Ion:142 Resp: 64886
Ion Ratio Lower Upper
142 100
141 85.2 69.7 104.5

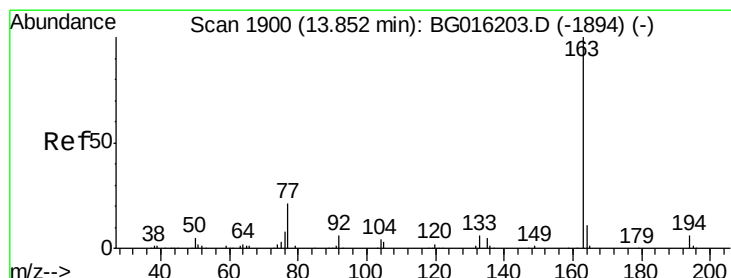
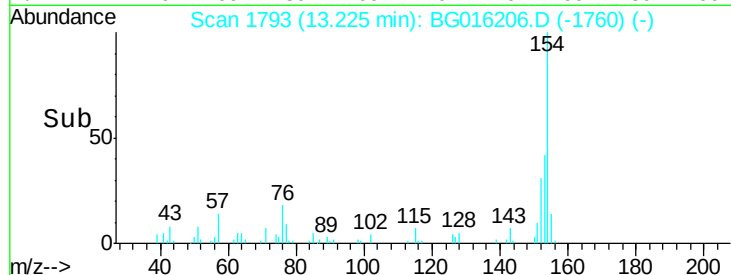
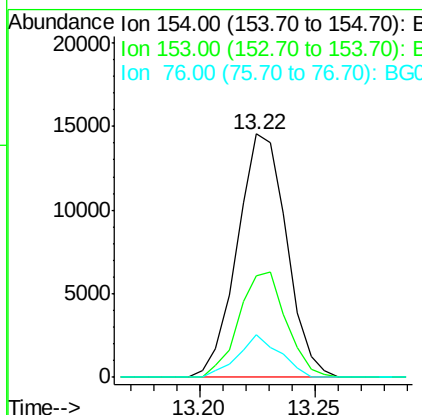
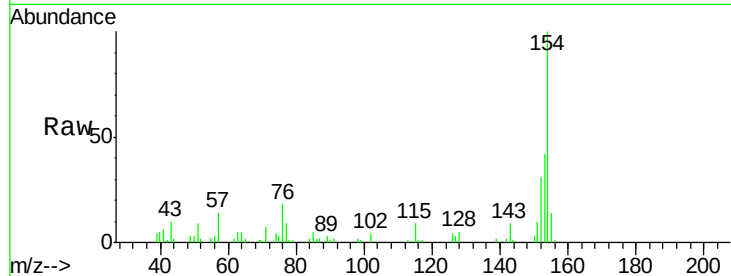




#40
 1,1'-Biphenyl
 Concen: 1.30 ng/ul
 RT: 13.22 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: BG016206.D
 Acq: 31 Mar 2015 18:54

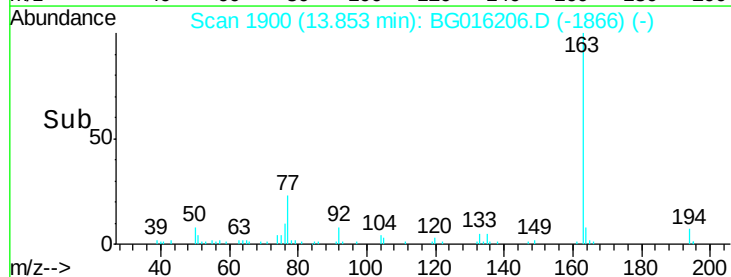
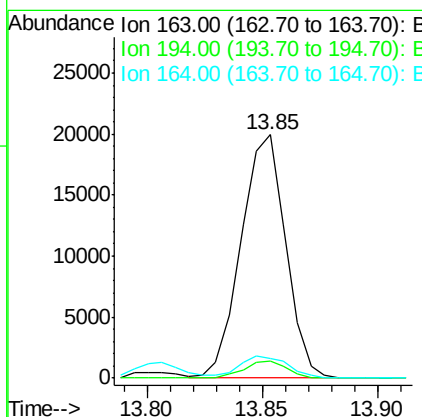
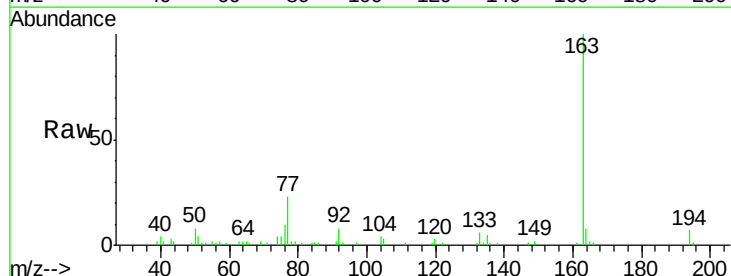
Instrument :
 BNA_G
 ClientSampleId :
 C0AD2

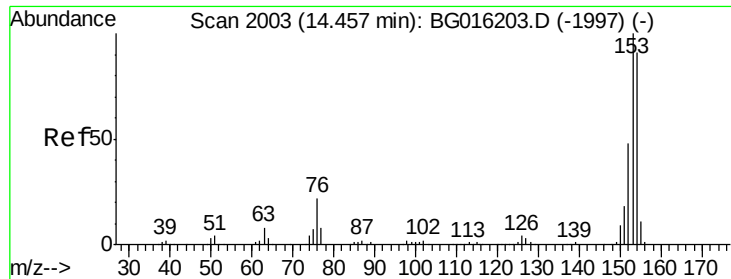
Tgt Ion:154 Resp: 21622
 Ion Ratio Lower Upper
 154 100
 153 41.8 34.5 51.7
 76 17.6 11.8 17.8



#44
 Dimethylphthalate
 Concen: 1.74 ng/ul
 RT: 13.85 min Scan# 1900
 Delta R.T. 0.00 min
 Lab File: BG016206.D
 Acq: 31 Mar 2015 18:54

Tgt Ion:163 Resp: 26892
 Ion Ratio Lower Upper
 163 100
 194 6.8 4.8 7.2
 164 7.9 8.2 12.2#





#49

Acenaphthene

Concen: 10.22 ng/ul

RT: 14.46 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

Instrument :

BNA_G

ClientSampleId :

C0AD2

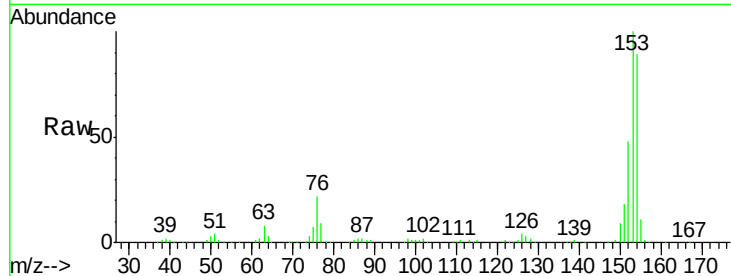
Tgt Ion:153 Resp: 148334

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.4

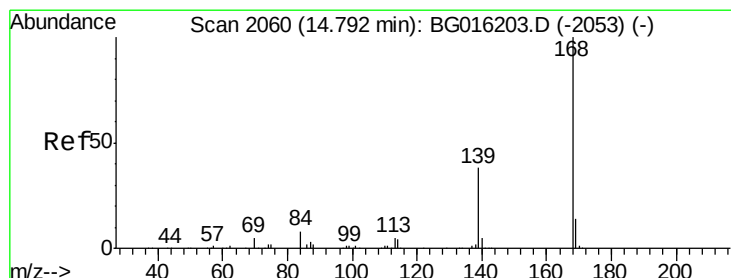
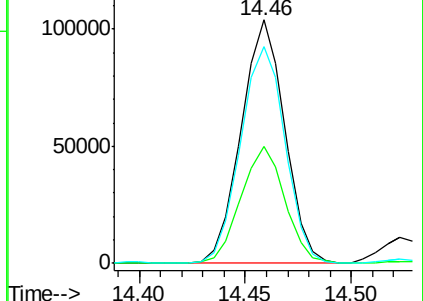
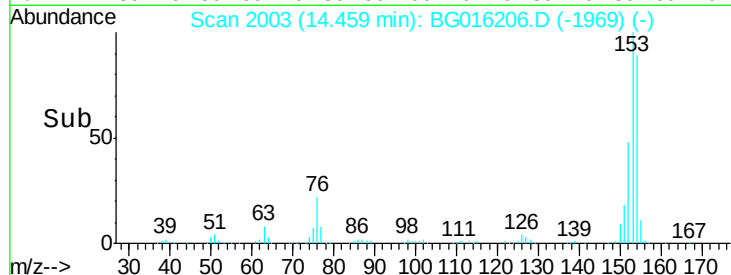
154 89.2 72.5 108.7



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: 9.51 ng/ul

RT: 14.79 min Scan# 2060

Delta R.T. 0.00 min

Lab File: BG016206.D

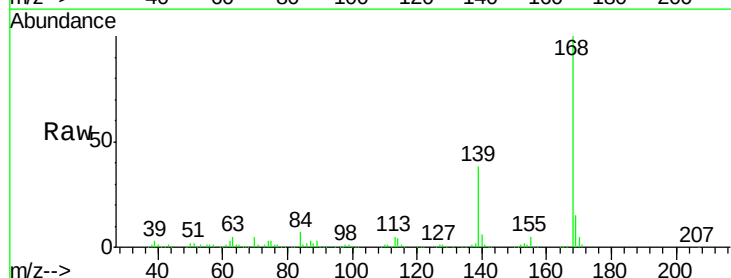
Acq: 31 Mar 2015 18:54

Tgt Ion:168 Resp: 179340

Ion Ratio Lower Upper

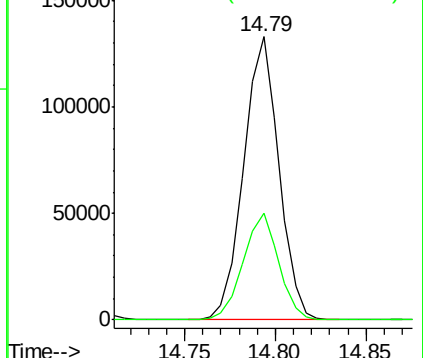
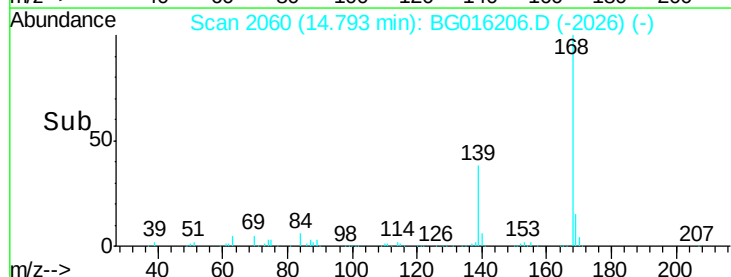
168 100

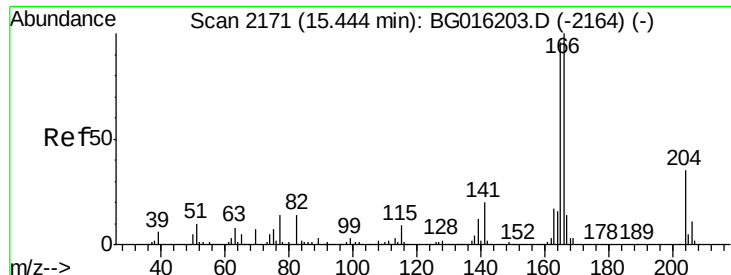
139 37.9 31.4 47.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

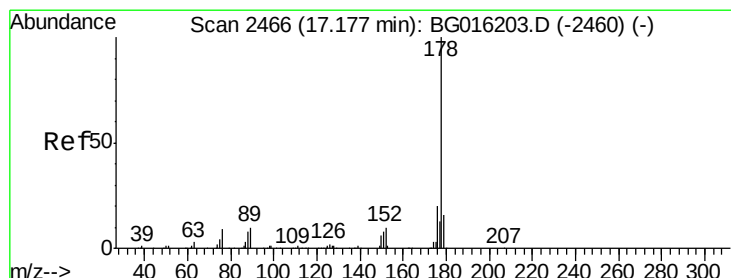
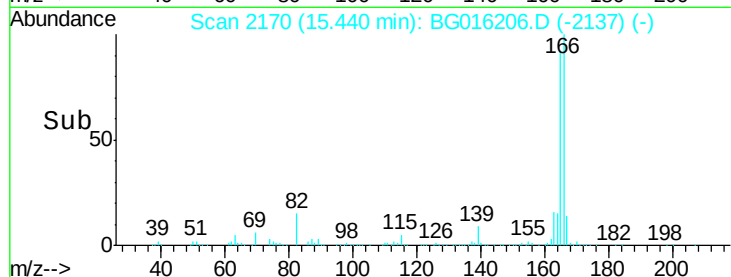
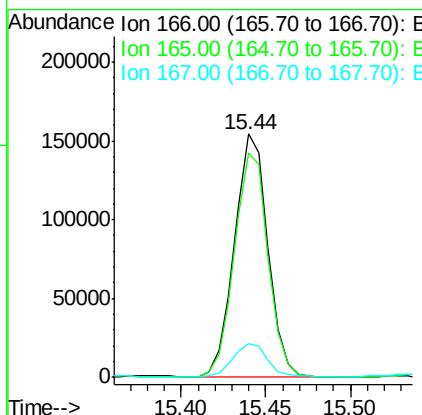
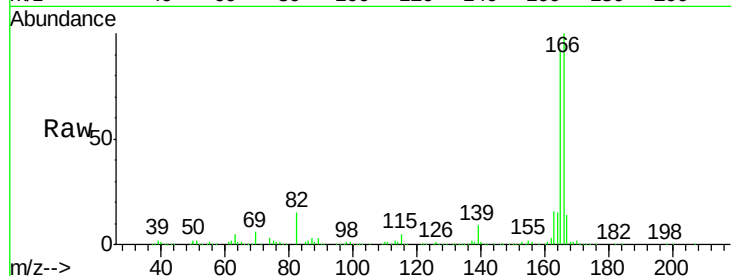




#58
 Fluorene
 Concen: 12.80 ng/ul
 RT: 15.44 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: BG016206.D
 Acq: 31 Mar 2015 18:54

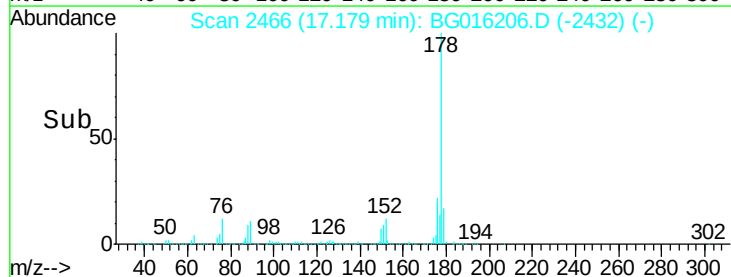
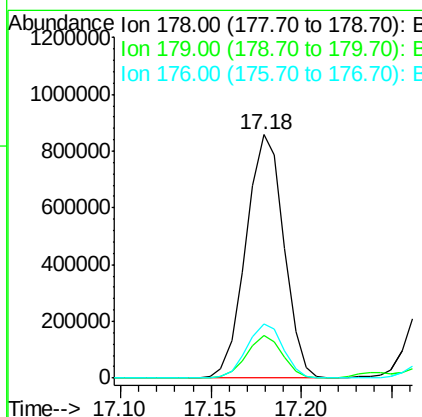
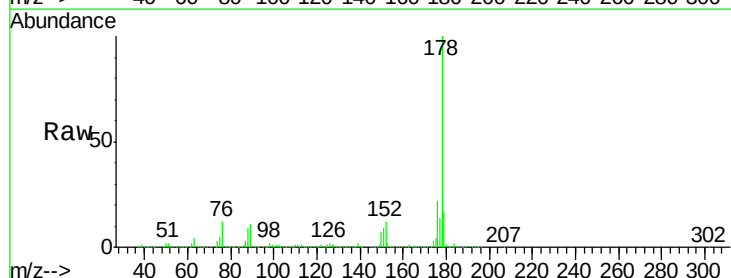
Instrument :
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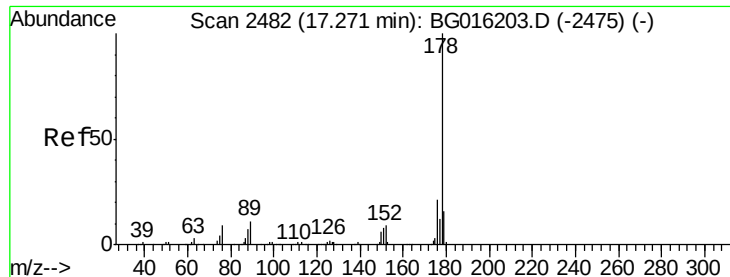
Tgt Ion:166 Resp: 211423
 Ion Ratio Lower Upper
 166 100
 165 92.1 75.6 113.4
 167 14.0 10.7 16.1



#69
 Phenanthrene
 Concen: 52.55 ng/ul
 RT: 17.18 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG016206.D
 Acq: 31 Mar 2015 18:54

Tgt Ion:178 Resp: 1244249
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.6 19.0
 176 22.4 16.6 24.8

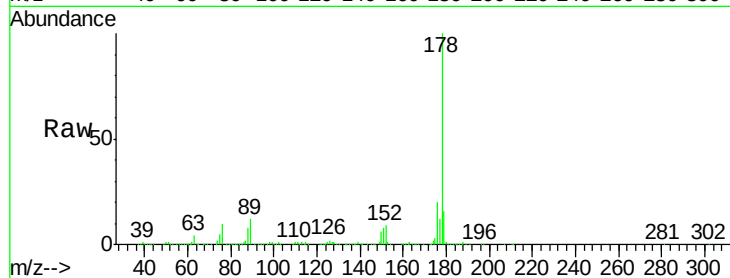




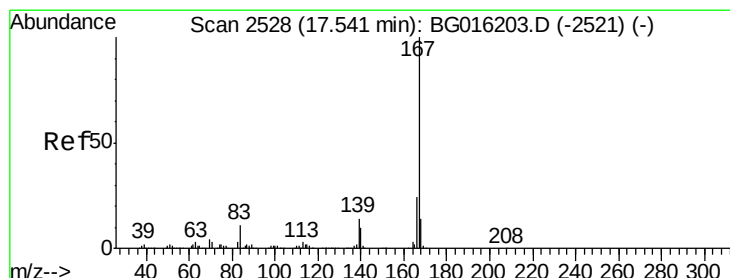
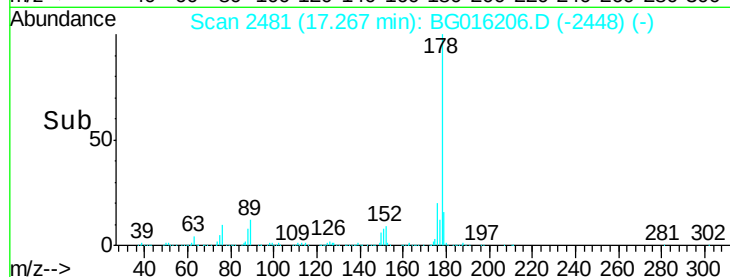
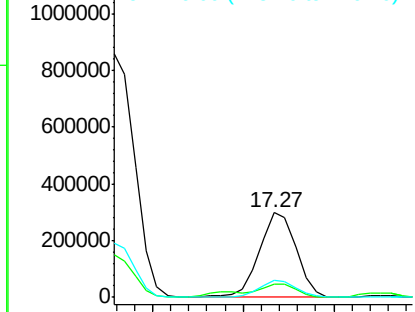
#71
 Anthracene
 Concen: 17.54 ng/ul
 RT: 17.27 min Scan# 2481
 Delta R.T. -0.00 min
 Lab File: BG016206.D
 Acq: 31 Mar 2015 18:54

Instrument :
 BNA_G
 ClientSampleId :
 C0AD2

Tgt Ion:178 Resp: 424598
 Ion Ratio Lower Upper
 178 100
 179 15.9 13.0 19.4
 176 20.0 15.9 23.9

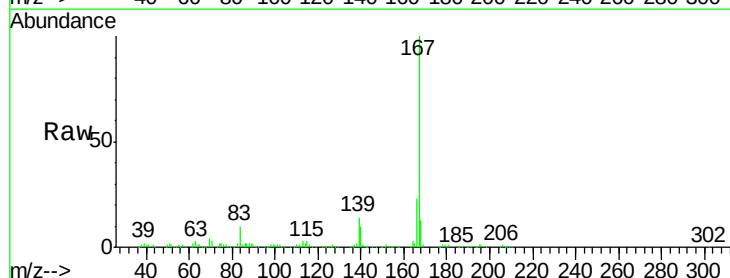


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

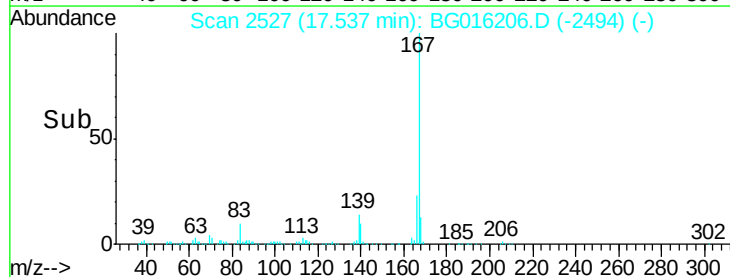
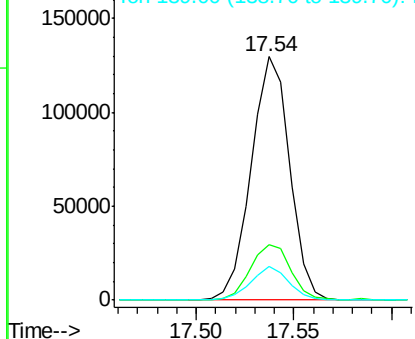


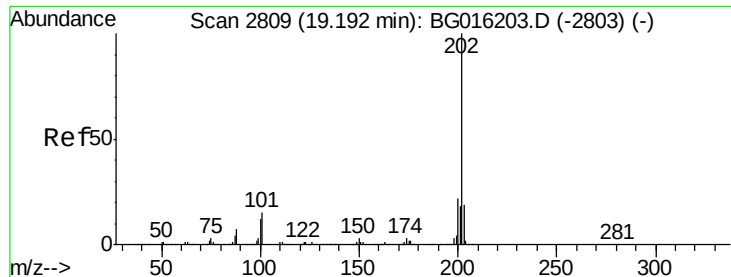
#72
 Carbazole
 Concen: 7.59 ng/ul
 RT: 17.54 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BG016206.D
 Acq: 31 Mar 2015 18:54

Tgt Ion:167 Resp: 177310
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.4 27.6
 139 13.7 10.7 16.1



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: 40.58 ng/ul

RT: 19.19 min Scan# 2809

Delta R.T. 0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

Instrument :

BNA_G

ClientSampleId :

C0AD2

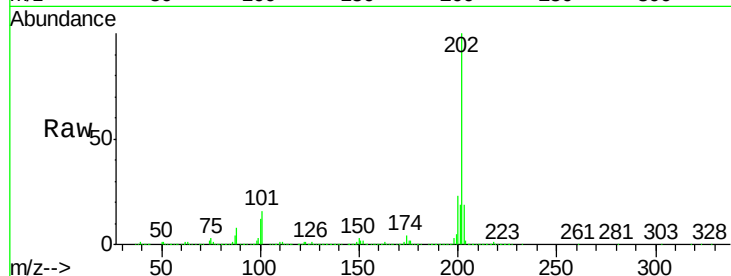
Tgt Ion:202 Resp: 1067971

Ion Ratio Lower Upper

202 100

101 15.8 11.8 17.8

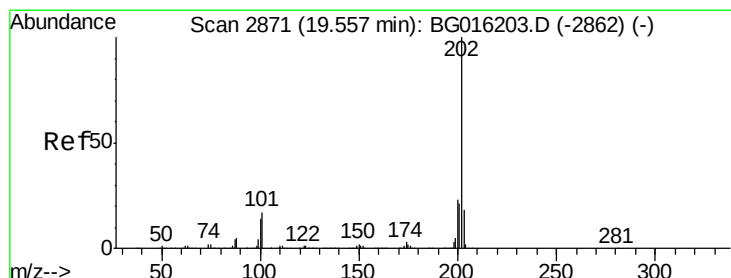
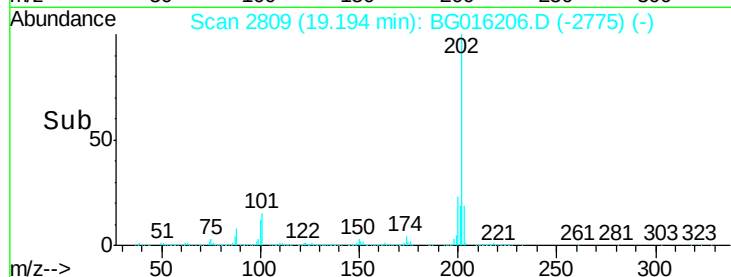
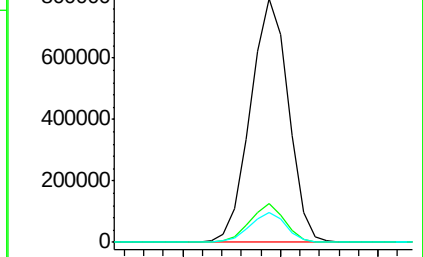
100 12.3 9.4 14.0



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: 33.91 ng/ul

RT: 19.56 min Scan# 2871

Delta R.T. 0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

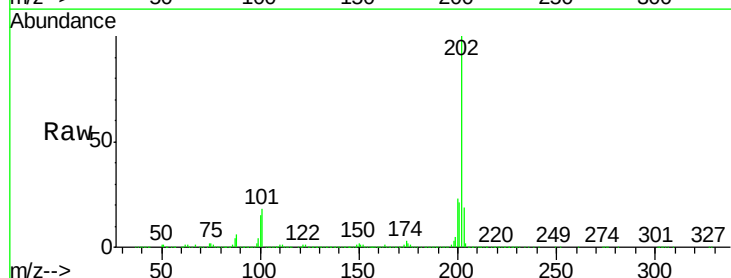
Tgt Ion:202 Resp: 837094

Ion Ratio Lower Upper

202 100

101 17.9 13.4 20.0

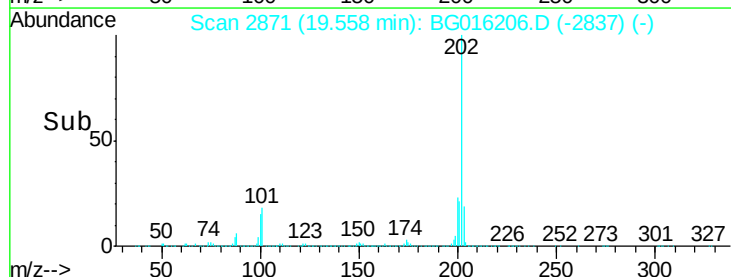
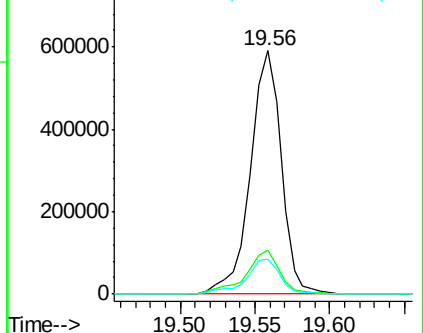
100 14.6 11.1 16.7

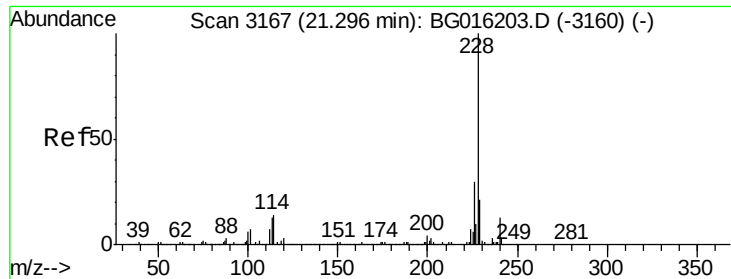


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.73 ng/ul

RT: 21.30 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

Instrument :

BNA_G

ClientSampleId :

C0AD2

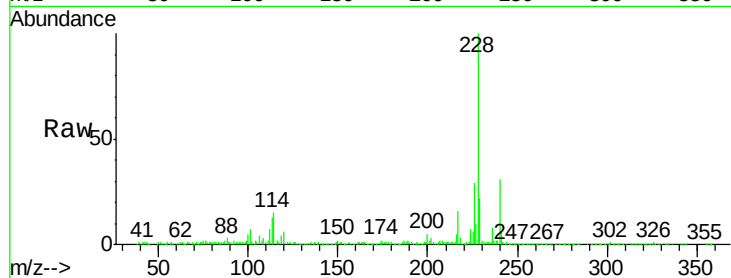
Tgt Ion:228 Resp: 385159

Ion Ratio Lower Upper

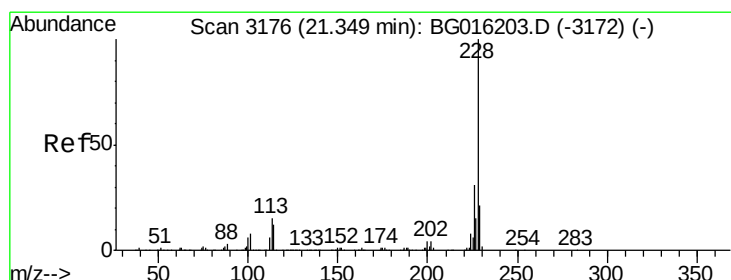
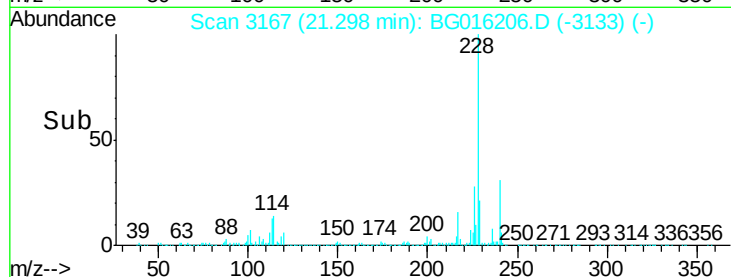
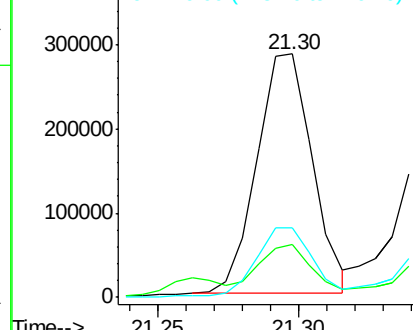
228 100

229 21.5 16.5 24.7

226 28.6 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: 15.10 ng/ul

RT: 21.34 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

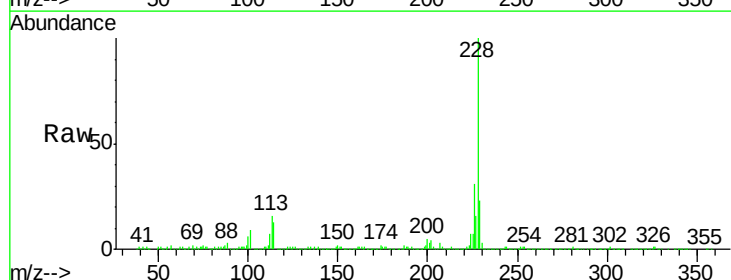
Tgt Ion:228 Resp: 322831

Ion Ratio Lower Upper

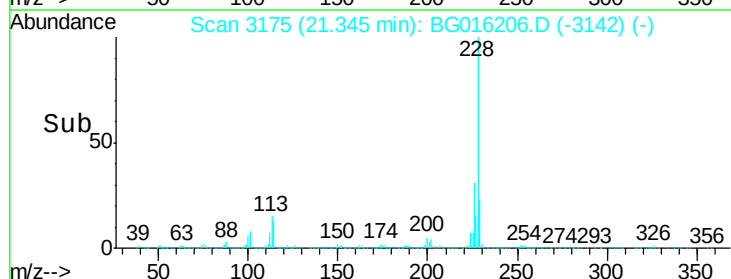
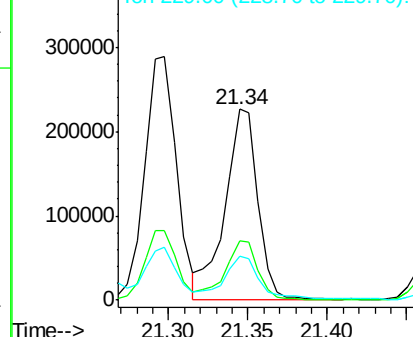
228 100

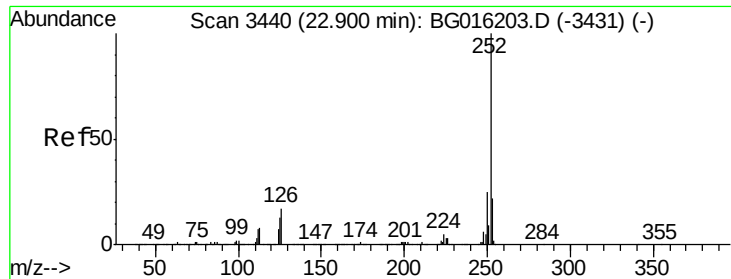
226 31.2 25.4 38.0

229 23.2 16.5 24.7



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: 15.69 ng/ul

RT: 22.90 min Scan# 3440

Delta R.T. 0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

Instrument :

BNA_G

ClientSampleId :

C0AD2

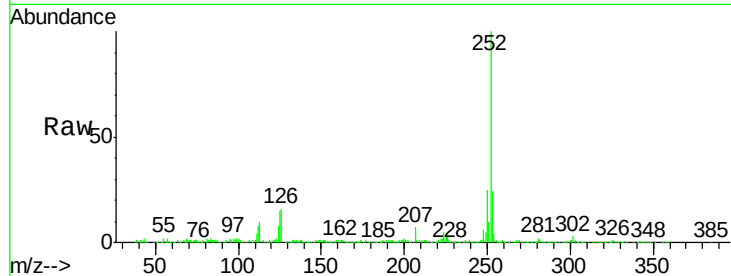
Tgt Ion:252 Resp: 365719

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

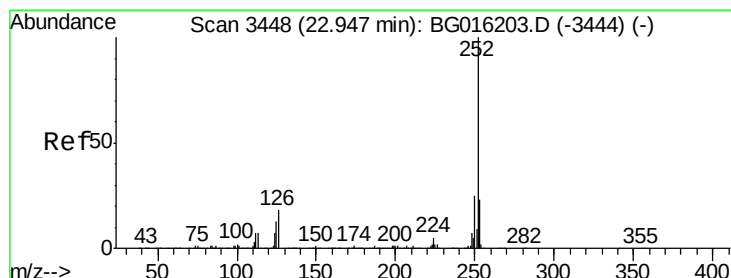
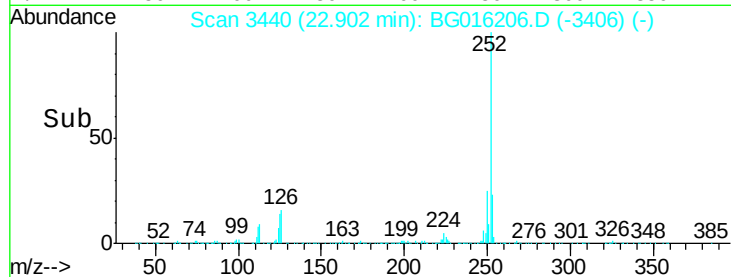
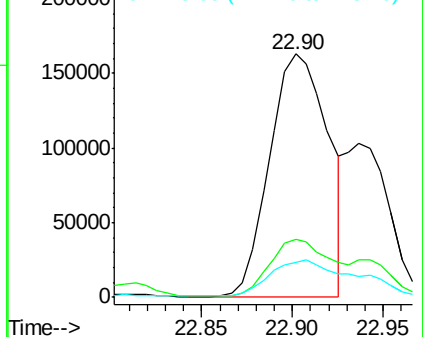
125 14.6 10.6 15.8



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: 7.59 ng/ul m

RT: 22.94 min Scan# 3446

Delta R.T. -0.01 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

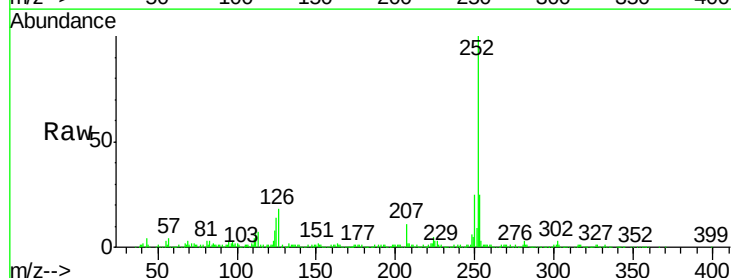
Tgt Ion:252 Resp: 170309

Ion Ratio Lower Upper

252 100

253 24.5 18.6 28.0

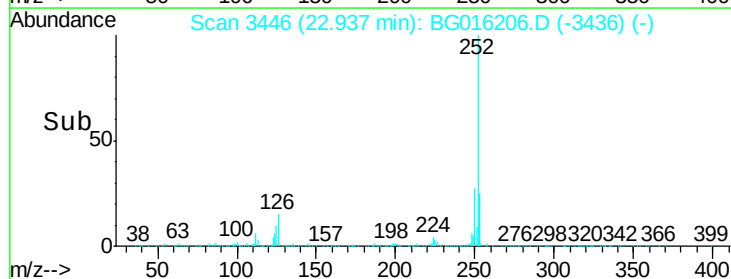
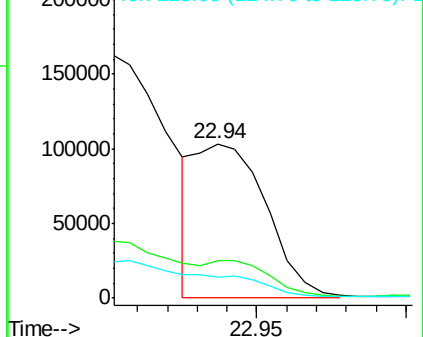
125 13.6 11.8 17.6

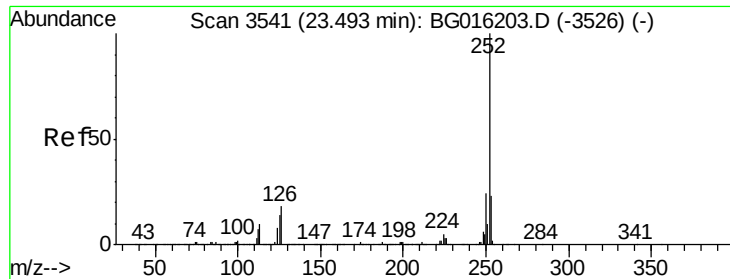


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 13.48 ng/ul

RT: 23.49 min Scan# 3540

Delta R.T. -0.00 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

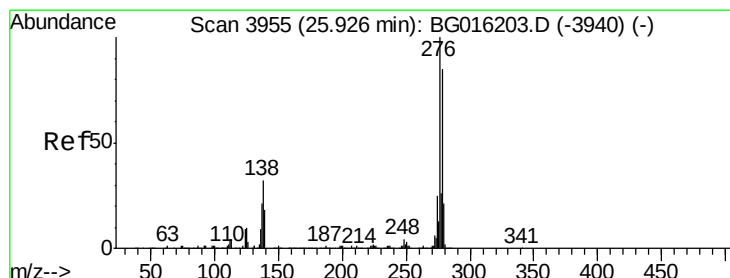
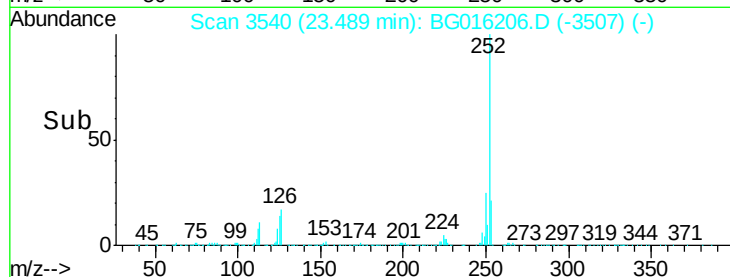
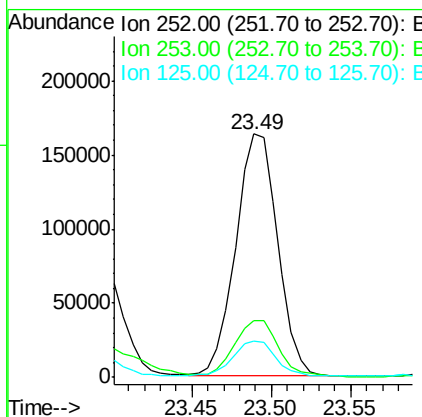
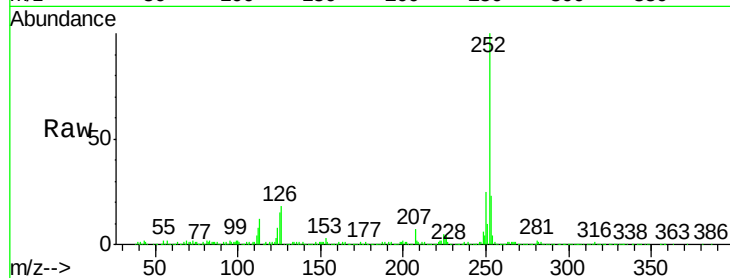
Instrument :

BNA_G

ClientSampleId :

C0AD2

Tgt Ion:	252	Resp:	299567
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	15.1	12.1	18.1



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.74 ng/ul

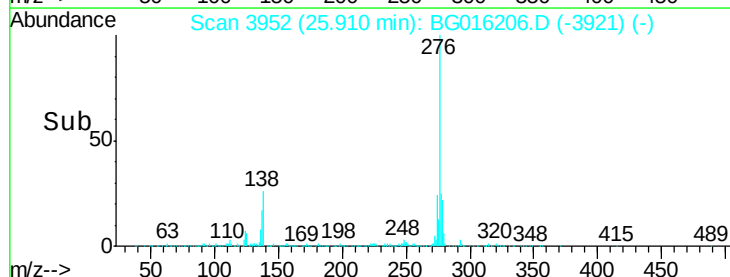
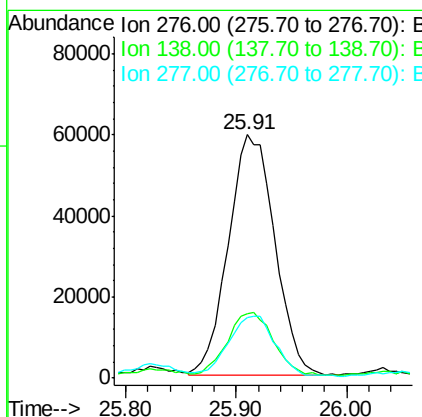
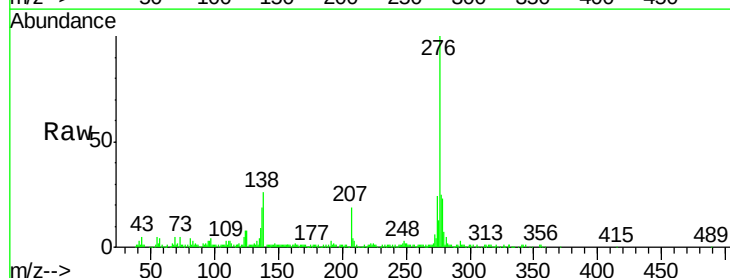
RT: 25.91 min Scan# 3952

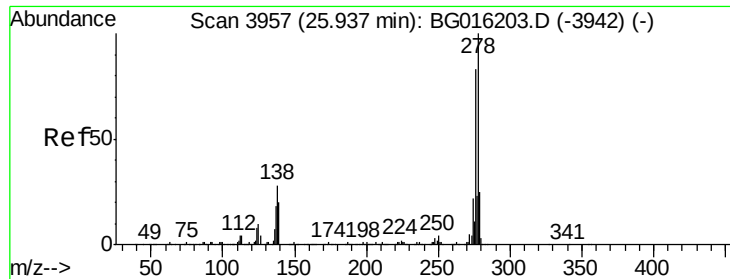
Delta R.T. -0.02 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

Tgt Ion:	276	Resp:	174973
Ion	Ratio	Lower	Upper
276	100		
138	26.4	27.0	40.6#
277	25.0	21.8	32.6





#90

Dibenzo(a,h)anthracene

Concen: 2.11 ng/ul

RT: 25.92 min Scan# 3954

Delta R.T. -0.02 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

Instrument :

BNA_G

ClientSampleId :

C0AD2

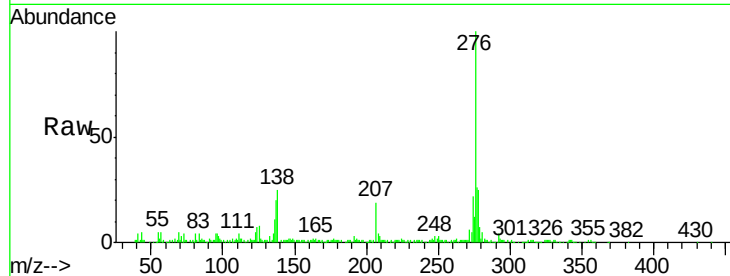
Tgt Ion:278 Resp: 45704

Ion Ratio Lower Upper

278 100

139 0.0 16.5 24.7#

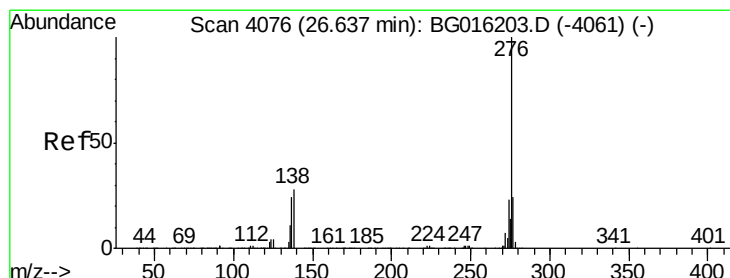
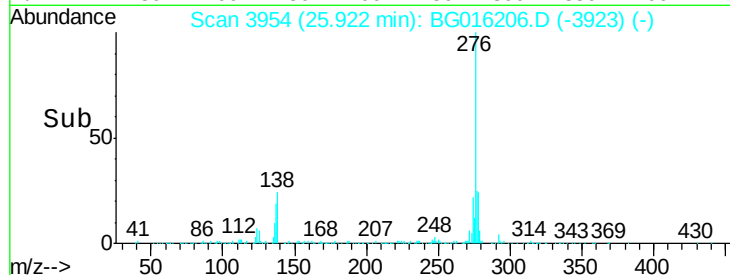
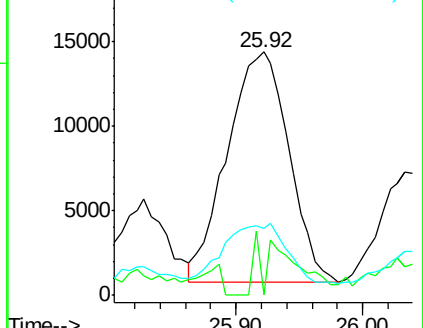
279 27.3 19.3 28.9



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: 6.47 ng/ul

RT: 26.63 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BG016206.D

Acq: 31 Mar 2015 18:54

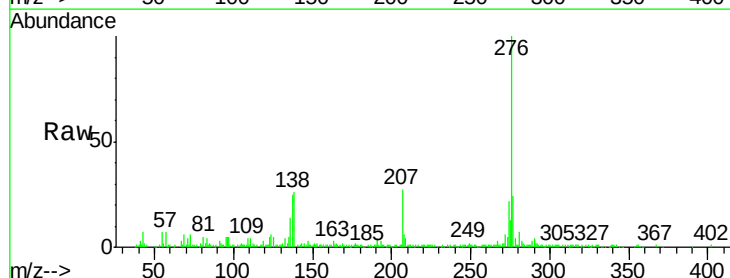
Tgt Ion:276 Resp: 137397

Ion Ratio Lower Upper

276 100

138 25.8 21.0 31.6

277 24.2 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

