

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110917\
 Data File : BG030899.D
 Acq On : 10 Nov 2017 3:05
 Operator : SJ/JU
 Sample : I6286-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 10 04:35:48 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 10 03:42:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	60151	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	255972	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	159508	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	367070	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	417424	20.00	ng/ul	0.00
83) Perylene-d12	25.11	264	429768	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	6998	4.73	ng/uL	0.00
5) Phenol-d5	7.31	99	140576	24.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	81290	22.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	119618	29.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	114951	24.65	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	58019	31.57	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	72217	38.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	127752	29.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	31013	6.22	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	385340	28.26	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	492881	29.72	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	59986	23.83	ng/ul	0.00
57) Fluorene-d10	15.75	176	363834	32.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	47892	26.73	ng/ul	0.00
70) Anthracene-d10	17.61	188	567189	32.67	ng/ul	0.00
76) Pyrene-d10	19.89	212	642986	29.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	656047	32.23	ng/ul	0.02

Target Compounds

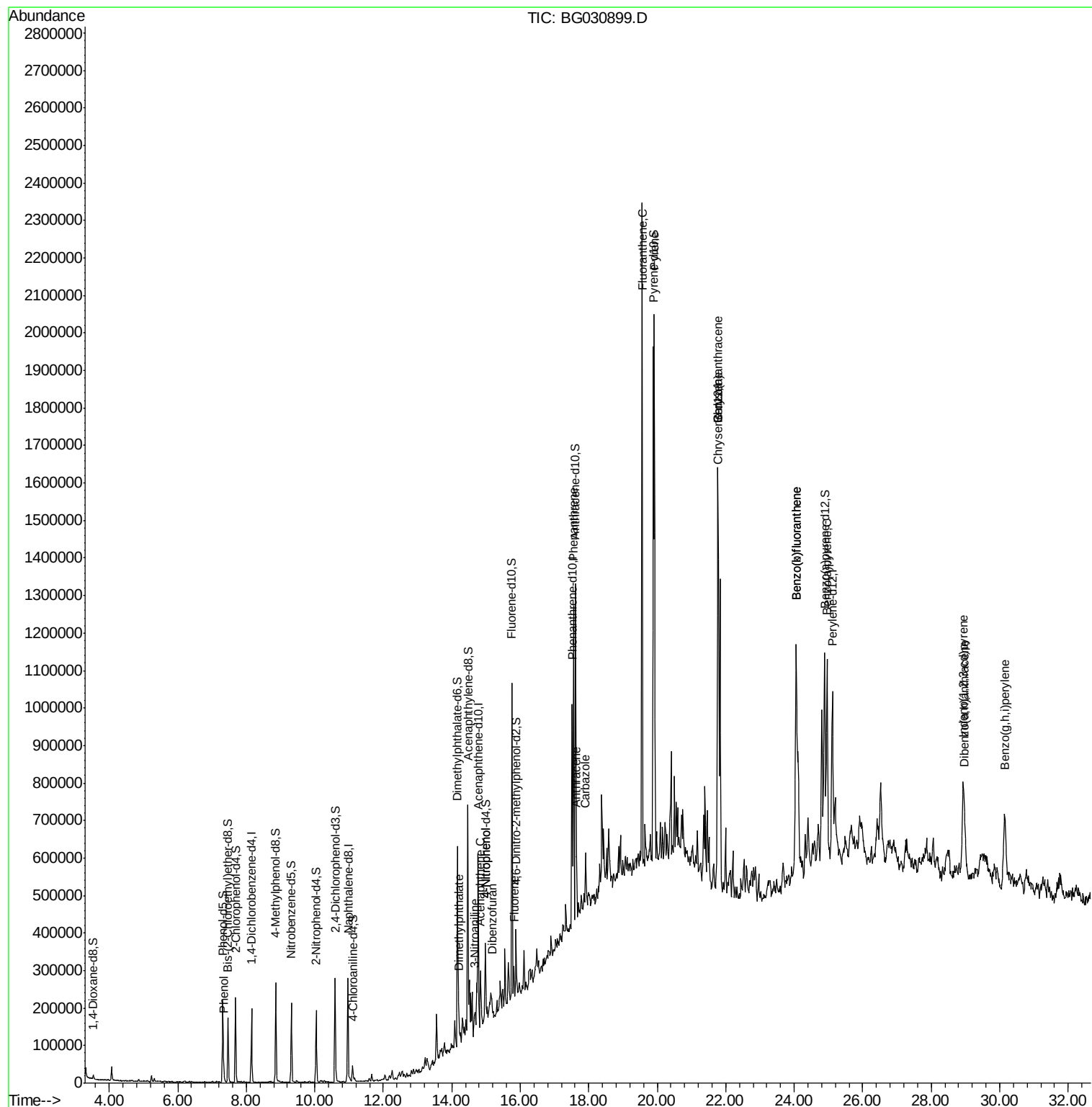
						Ovalue
6) Phenol	7.34	94	11613	1.94	ng/ul#	91
44) Dimethylphthalate	14.21	163	21436	1.61	ng/ul#	90
48) 3-Nitroaniline	14.67	138	3263	1.29	ng/ul#	1
49) Acenaphthene	14.83	153	57315	4.95	ng/ul	97
52) 4-Nitrophenol	14.99	109	5080	2.67	ng/ul#	6
53) Dibenzofuran	15.17	168	27082	1.71	ng/ul	92
58) Fluorene	15.81	166	36505	2.89	ng/ul	99
69) Phenanthrene	17.55	178	544096	27.42	ng/ul	98
71) Anthracene	17.65	178	128972	6.30	ng/ul	97
72) Carbazole	17.91	167	85560	4.65	ng/ul	99
74) Fluoranthene	19.56	202	1153043	51.99	ng/ul	99
77) Pyrene	19.91	202	983441	35.15	ng/ul	98
80) Benzo(a)anthracene	21.77	228	632911	24.19	ng/ul	97
82) Chrysene	21.77	228	632911	26.63	ng/ul	95
85) Benzo(b)fluoranthene	24.05	252	869602	33.71	ng/ul	94
86) Benzo(k)fluoranthene	24.05	252	869602	34.86	ng/ul#	95
88) Benzo(a)pyrene	24.96	252	594604	23.68	ng/ul	94
89) Indeno(1,2,3-cd)pyrene	28.94	276	476500	16.77	ng/ul	94
90) Dibenzo(a,h)anthracene	28.98	278	123481	5.23	ng/ul#	81
91) Benzo(g,h,i)perylene	30.14	276	424022	18.00	ng/ul	95

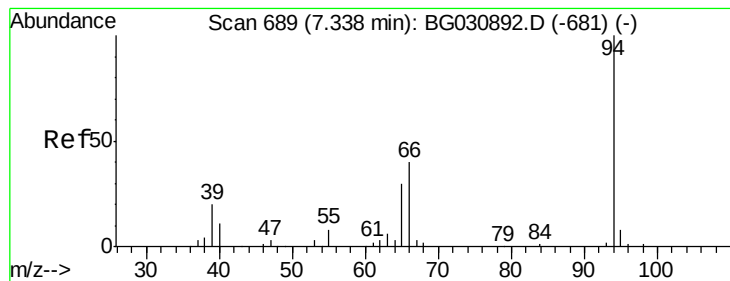
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110917\
Data File : BG030899.D
Acq On : 10 Nov 2017 3:05
Operator : SJ/JU
Sample : I6286-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 10 04:35:48 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 10 03:42:09 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.94 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

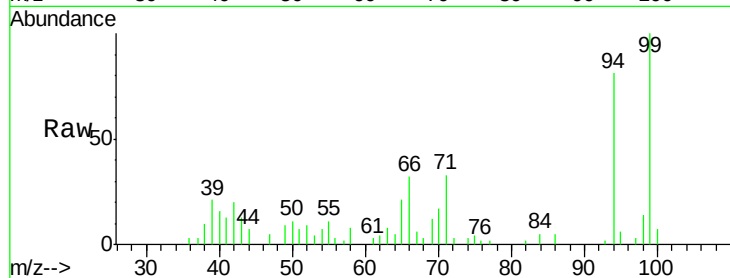
Instrument :

BNA_G

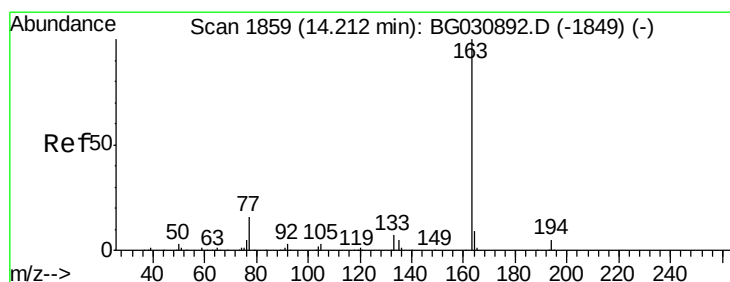
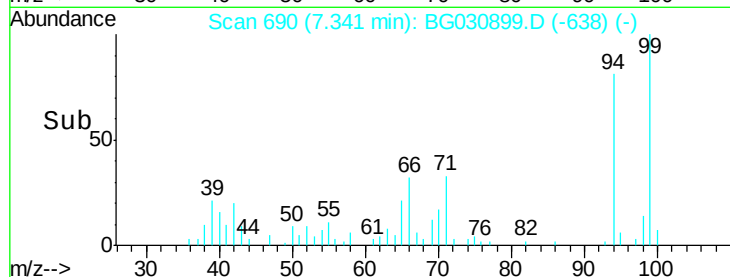
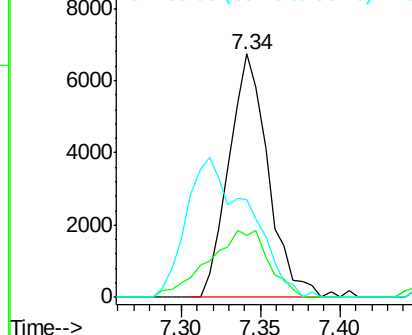
ClientSampleId :

Tot Ion: 94 Resp: 11613

Ion	Ratio	Lower	Upper
94	100		
65	25.6	27.1	40.7#
66	40.0	34.6	52.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 1.61 ng/ul

RT: 14.21 min Scan# 1859

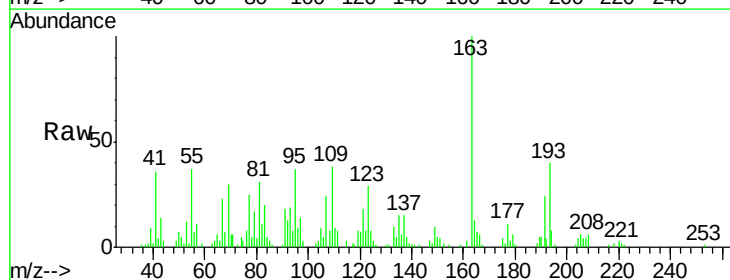
Delta R.T. -0.00 min

Lab File: BG030899.D

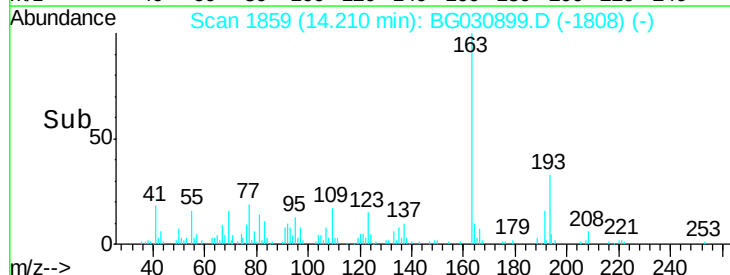
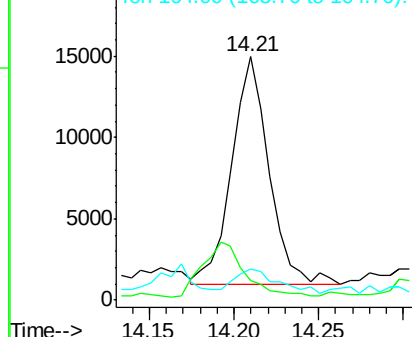
Acq: 10 Nov 2017 3:05

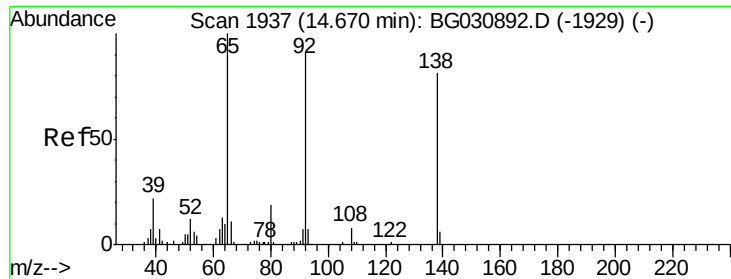
Tgt Ion: 163 Resp: 21436

Ion	Ratio	Lower	Upper
163	100		
194	8.0	3.5	5.3#
164	12.8	7.6	11.4#



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





#48

3-Nitroaniline

Concen: 1.29 ng/ul

RT: 14.67 min Scan# 1938

Delta R.T. 0.00 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Instrument :

BNA_G

ClientSampleId :

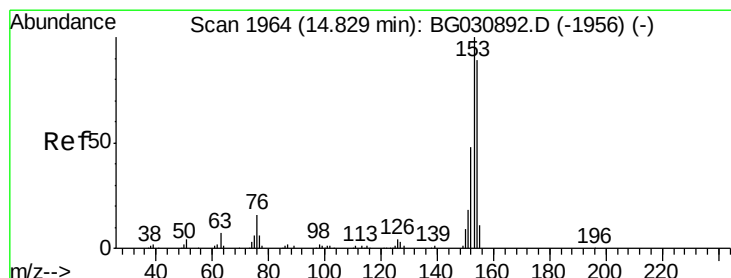
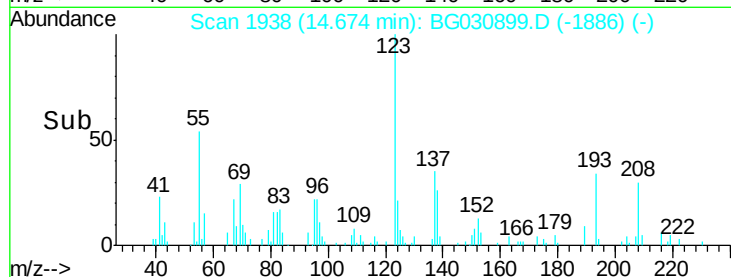
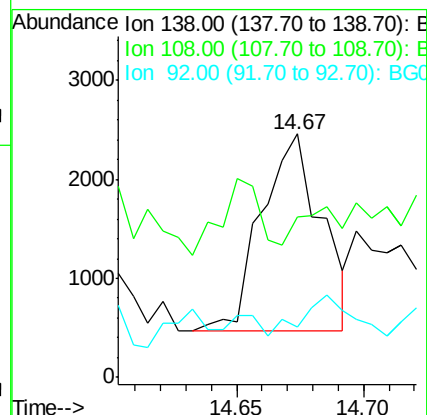
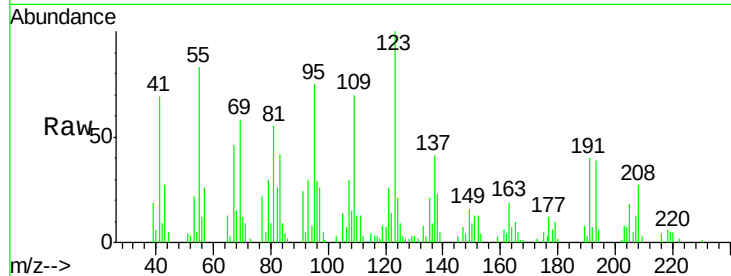
Tot Ion:138 Resp: 3263

Ion Ratio Lower Upper

138 100

108 65.9 10.5 15.7#

92 20.4 107.8 161.8#



#49

Acenaphthene

Concen: 4.95 ng/ul

RT: 14.83 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

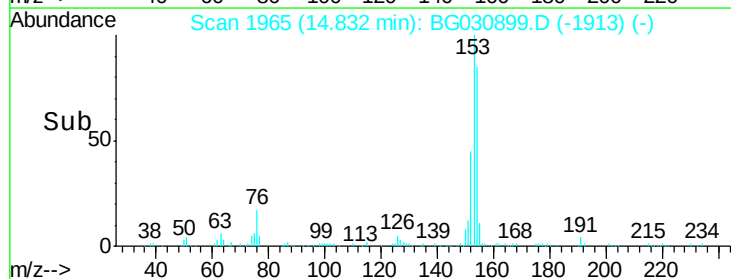
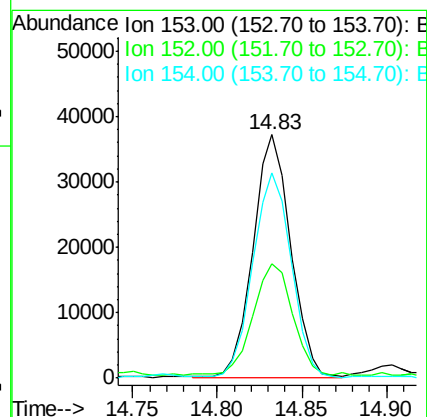
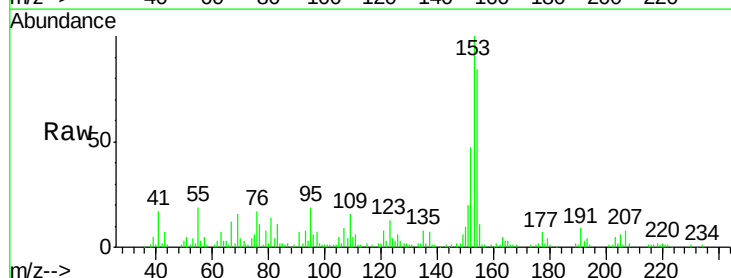
Tgt Ion:153 Resp: 57315

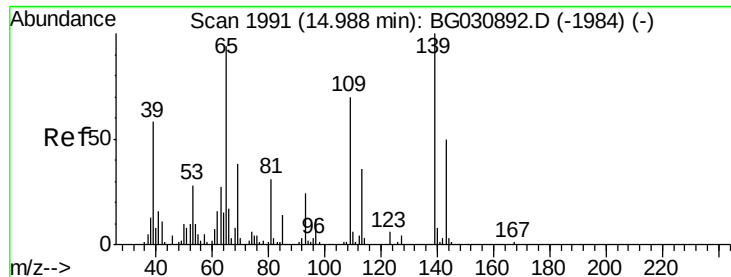
Ion Ratio Lower Upper

153 100

152 47.0 38.2 57.2

154 84.5 70.6 105.8

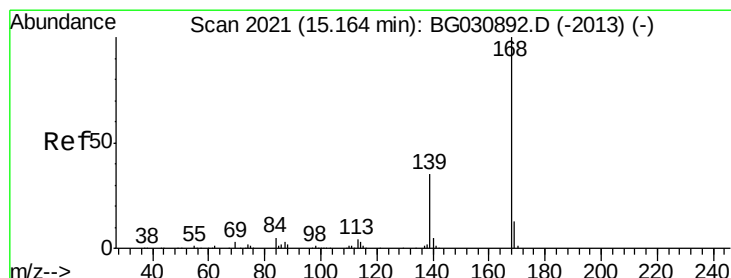
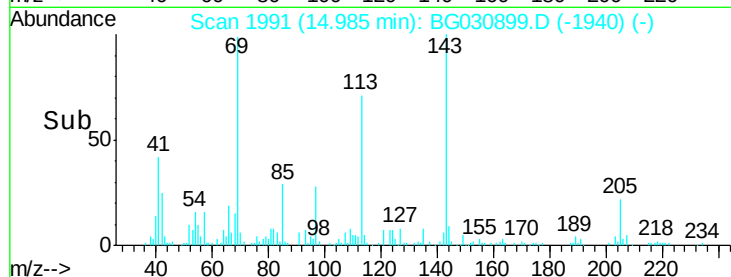
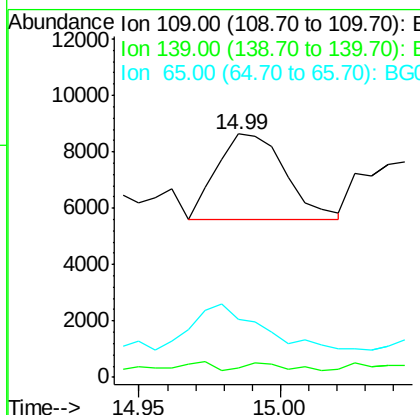
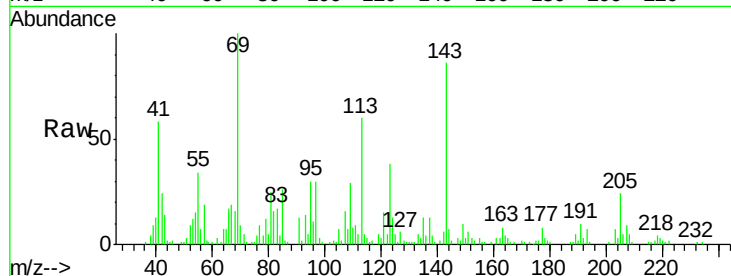




#52
4-Nitrophenol
Concen: 2.67 ng/ul
RT: 14.99 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BG030899.D
Acq: 10 Nov 2017 3:05

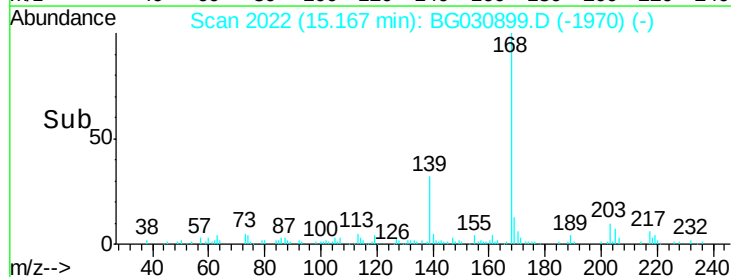
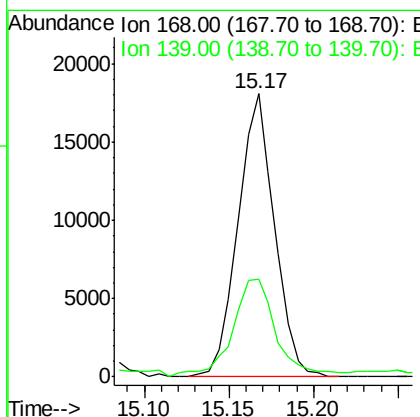
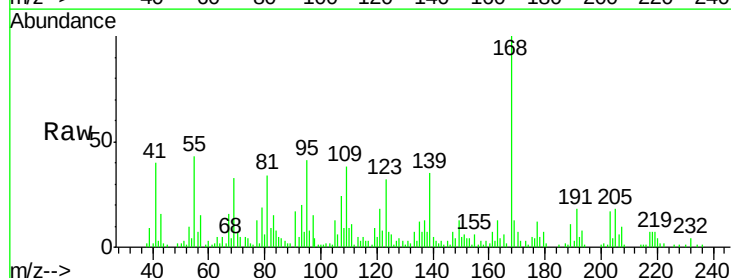
Instrument :
BNA_G
ClientSampleId :

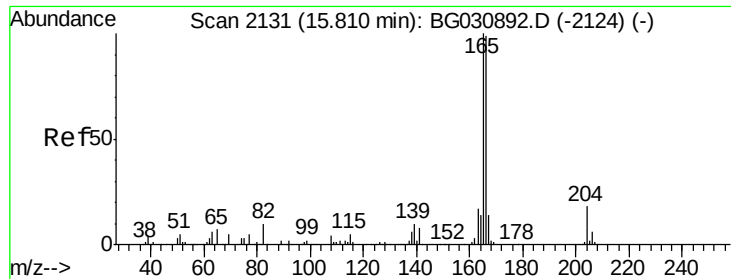
Tot Ion:109 Resp: 5080
Ion Ratio Lower Upper
109 100
139 3.8 89.5 134.3#
65 24.1 98.3 147.5#



#53
Dibenzofuran
Concen: 1.71 ng/ul
RT: 15.17 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BG030899.D
Acq: 10 Nov 2017 3:05

Tgt Ion:168 Resp: 27082
Ion Ratio Lower Upper
168 100
139 34.6 31.4 47.2

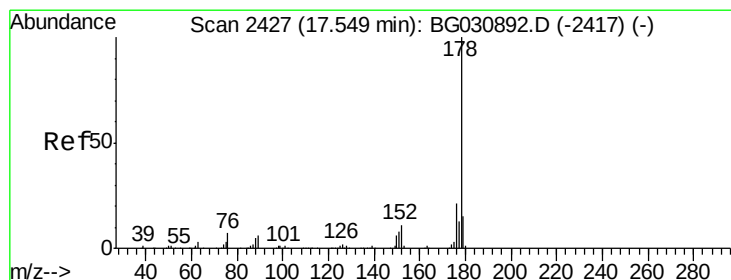
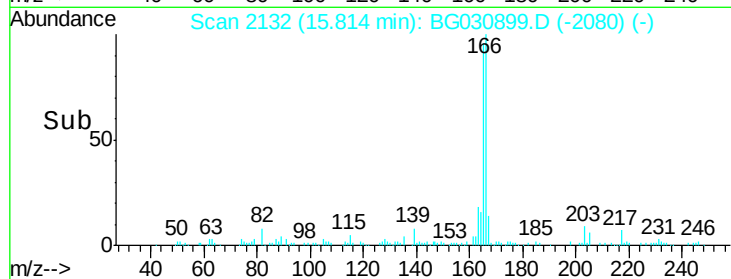
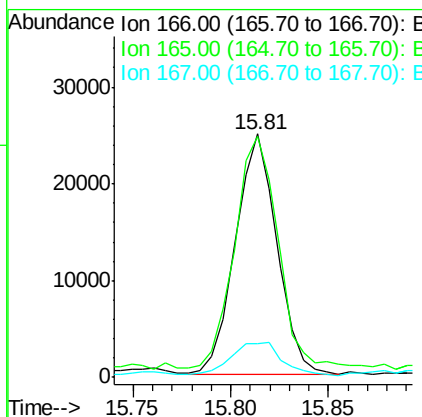
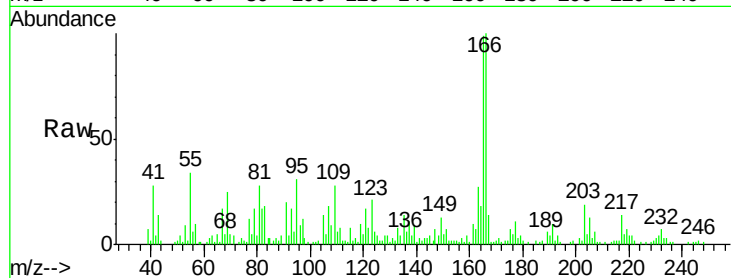




#58
 Fluorene
 Concen: 2.89 ng/ul
 RT: 15.81 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG030899.D
 Acq: 10 Nov 2017 3:05

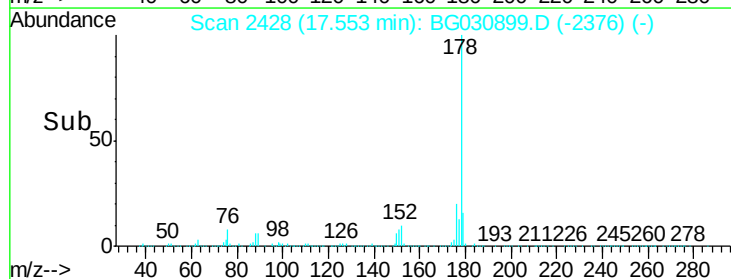
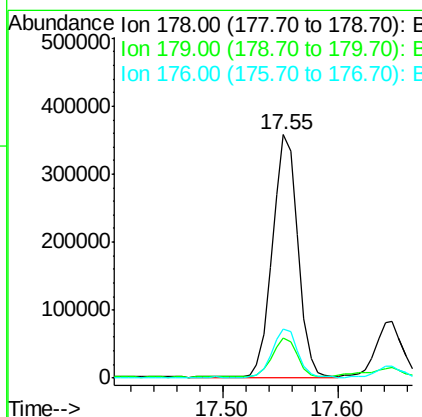
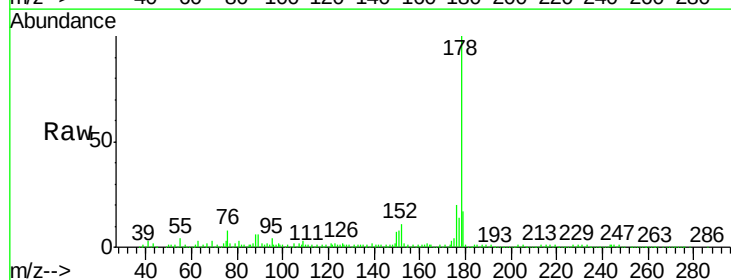
Instrument :
 BNA_G
 ClientSampleId :

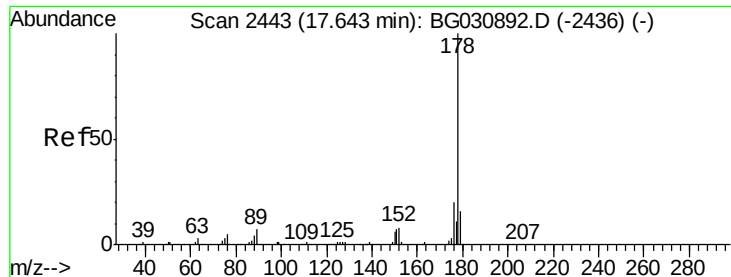
Tot Ion:166 Resp: 36505
 Ion Ratio Lower Upper
 166 100
 165 99.1 79.9 119.9
 167 14.1 10.6 16.0



#69
 Phenanthrene
 Concen: 27.42 ng/ul
 RT: 17.55 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG030899.D
 Acq: 10 Nov 2017 3:05

Tgt Ion:178 Resp: 544096
 Ion Ratio Lower Upper
 178 100
 179 16.5 13.0 19.6
 176 20.4 15.3 22.9

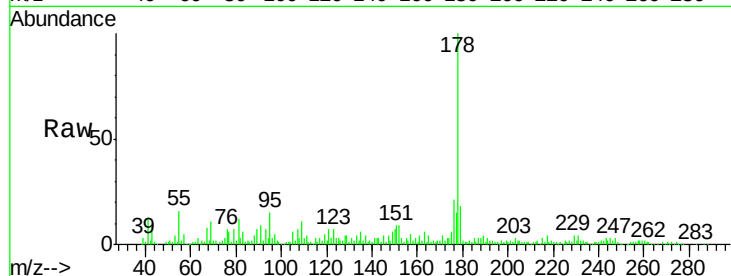




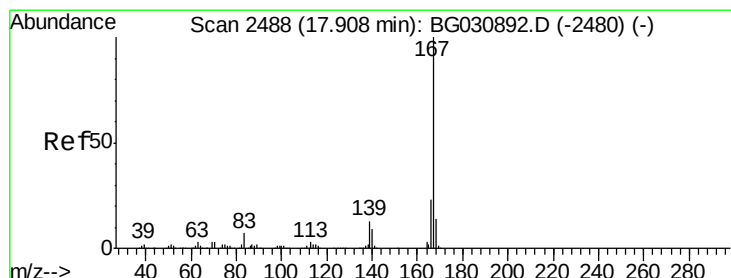
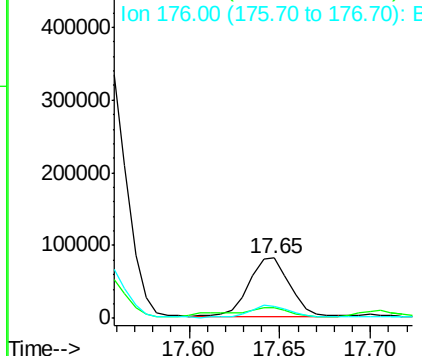
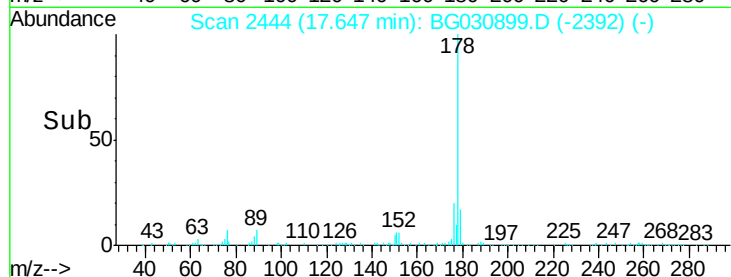
#71
 Anthracene
 Concen: 6.30 ng/ul
 RT: 17.65 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BG030899.D
 Acq: 10 Nov 2017 3:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:178 Resp: 128972
 Ion Ratio Lower Upper
 178 100
 179 18.2 13.2 19.8
 176 20.8 16.0 24.0

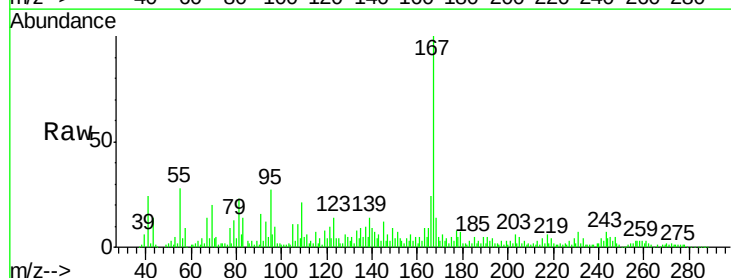


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

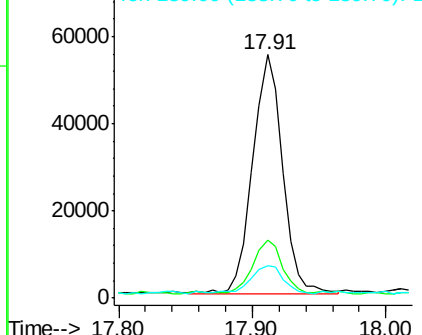
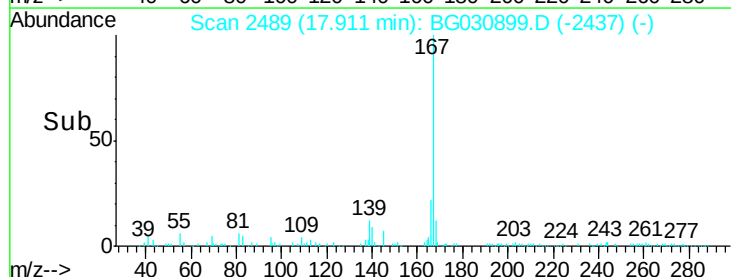


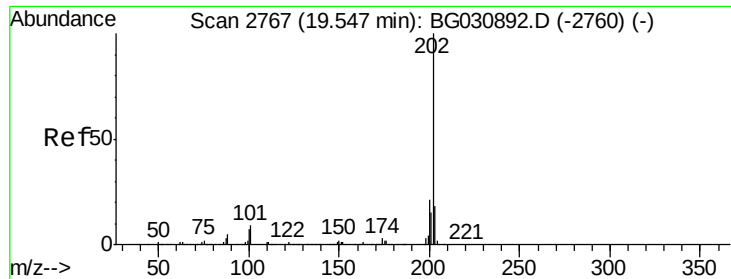
#72
 Carbazole
 Concen: 4.65 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030899.D
 Acq: 10 Nov 2017 3:05

Tgt Ion:167 Resp: 85560
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.6 28.0
 139 13.5 10.6 16.0



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: 51.99 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Instrument :

BNA_G

ClientSampleId :

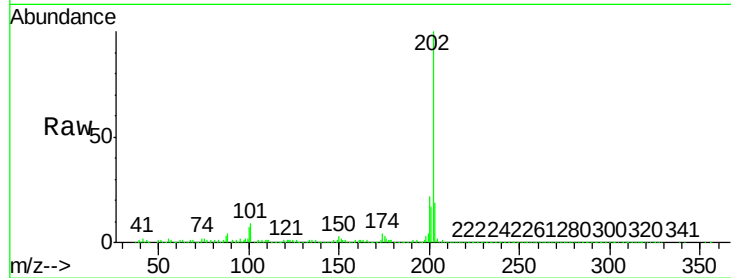
Tot Ion:202 Resp: 1153043

Ion Ratio Lower Upper

202 100

101 8.6 7.4 11.2

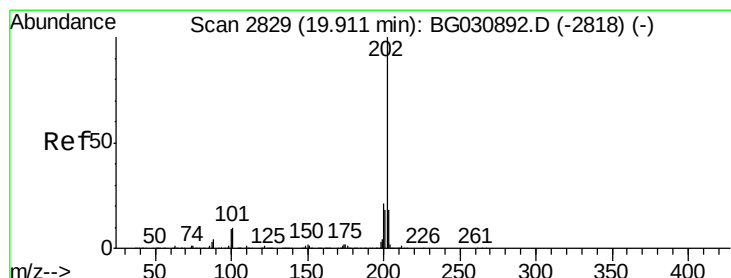
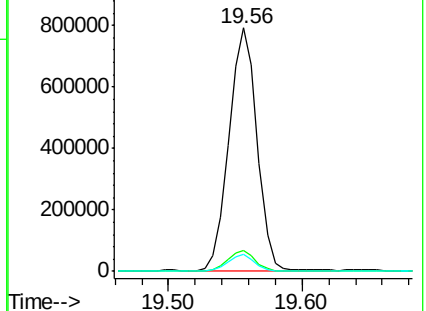
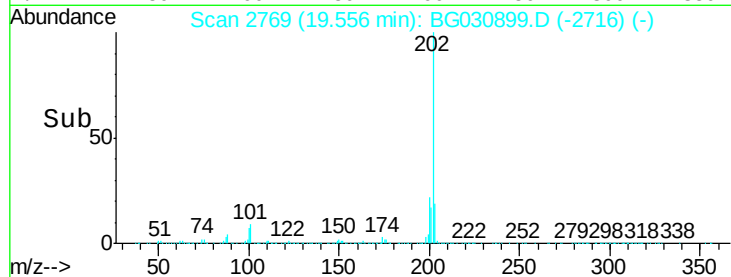
100 6.9 5.6 8.4



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: 35.15 ng/ul

RT: 19.91 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

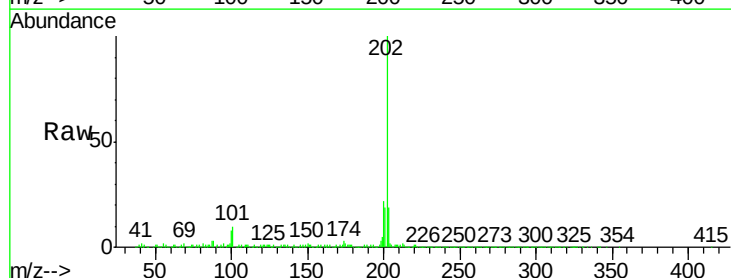
Tgt Ion:202 Resp: 983441

Ion Ratio Lower Upper

202 100

101 9.7 8.4 12.6

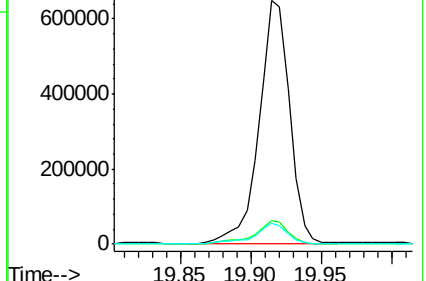
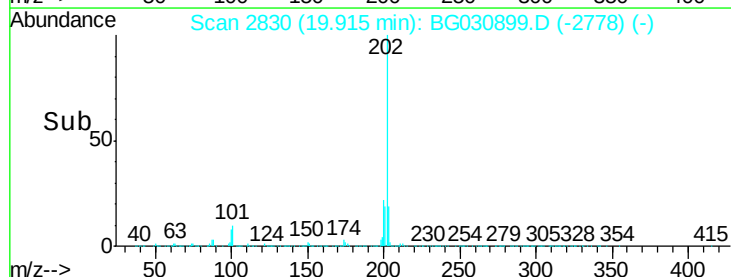
100 8.4 7.0 10.6

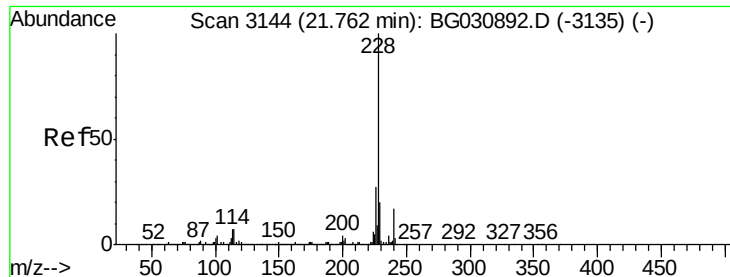


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 24.19 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Instrument :

BNA_G

ClientSampled :

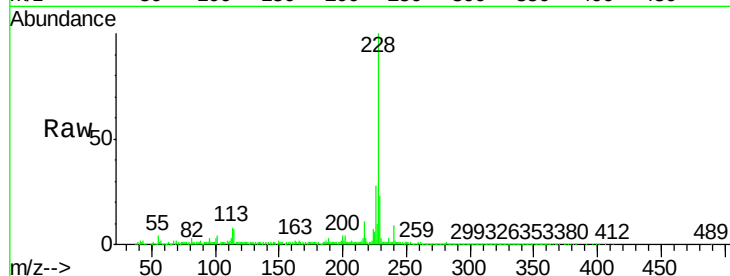
Tot Ion:228 Resp: 632911

Ion Ratio Lower Upper

228 100

229 22.5 16.2 24.4

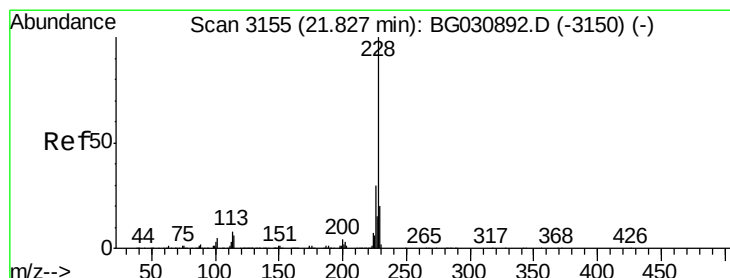
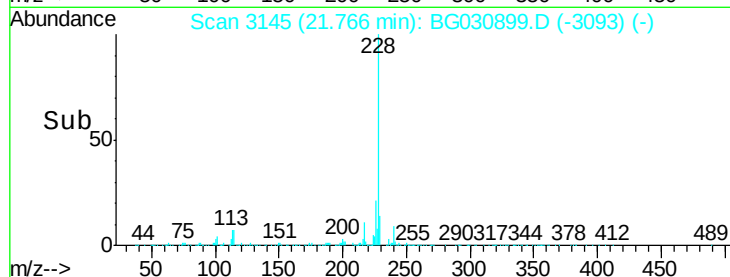
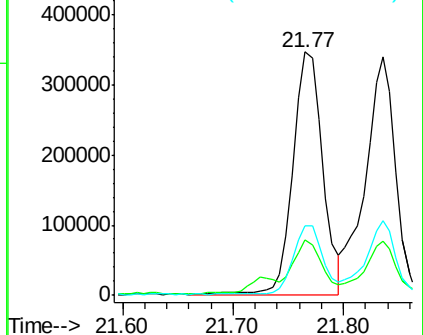
226 28.4 22.2 33.2



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: 26.63 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. -0.06 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

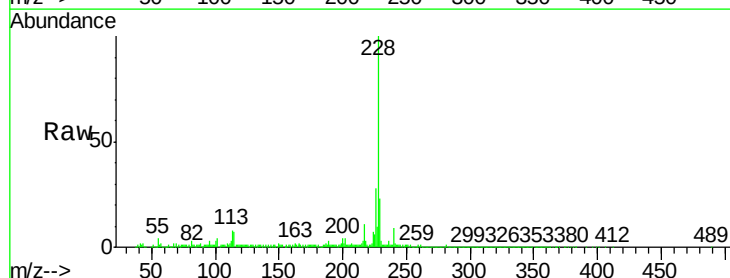
Tgt Ion:228 Resp: 632911

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.2

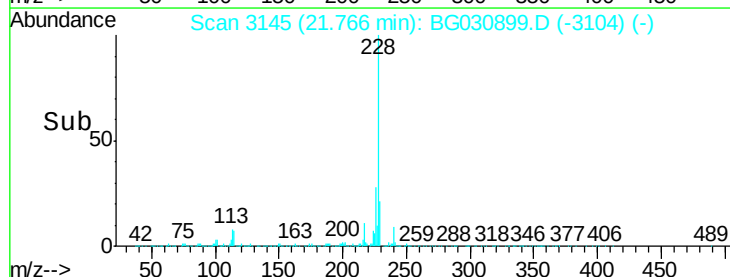
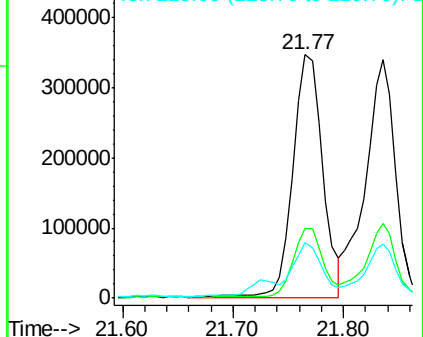
229 22.5 15.2 22.8

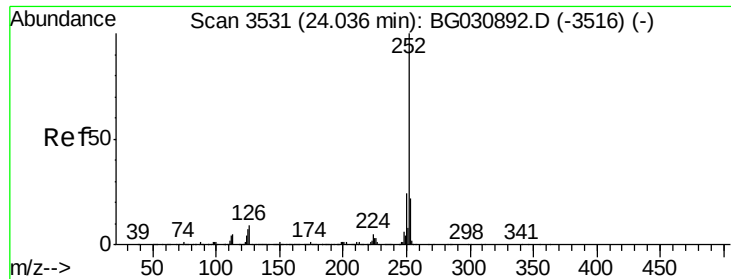


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 33.71 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. 0.02 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Instrument :

BNA_G

ClientSampleId :

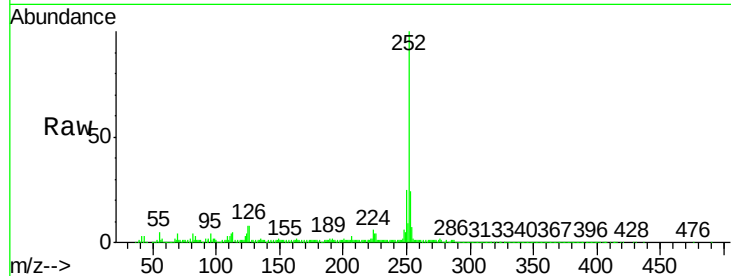
Tot Ion:252 Resp: 869602

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.4

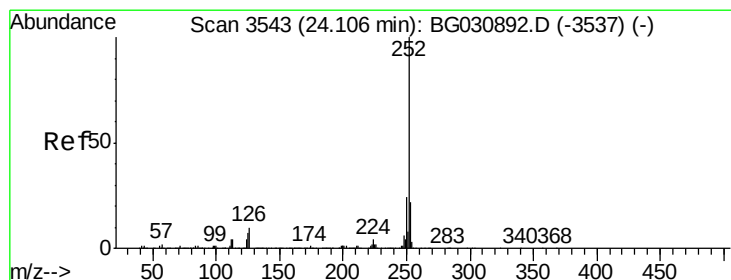
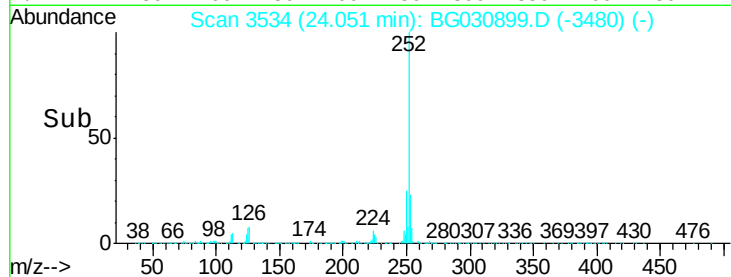
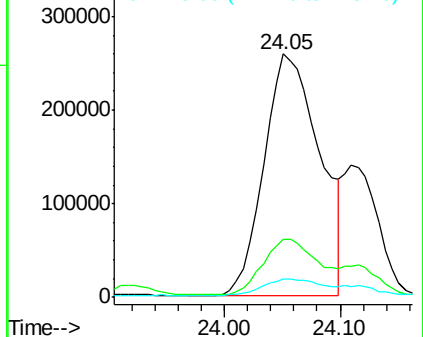
125 7.8 7.5 11.3



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



#86

Benzo(k)fluoranthene

Concen: 34.86 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.06 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

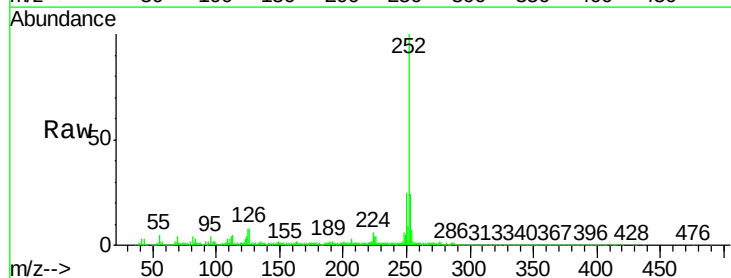
Tgt Ion:252 Resp: 869602

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

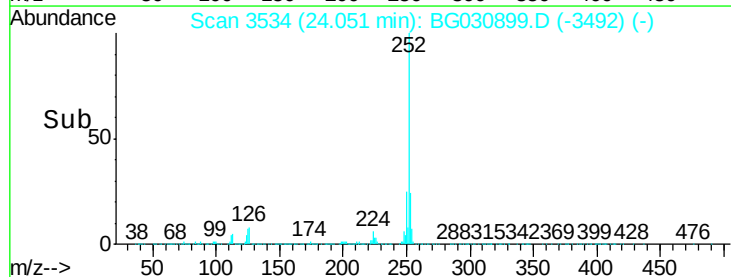
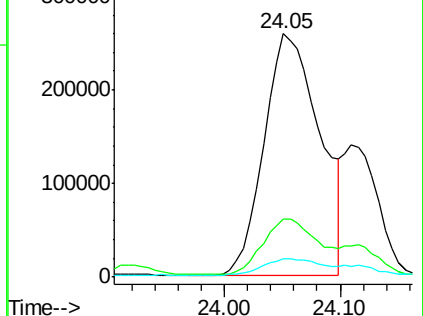
125 7.8 7.8 11.8#

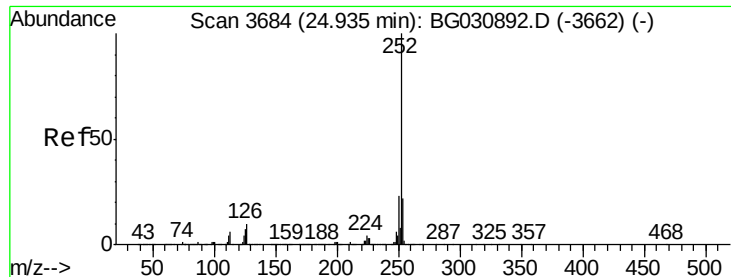


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 23.68 ng/ul

RT: 24.96 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Instrument :

BNA_G

ClientSampled :

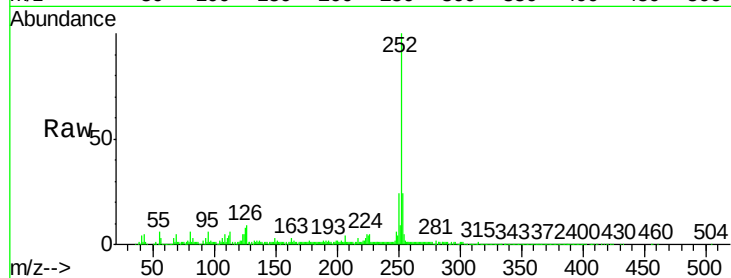
Tot Ion:252 Resp: 594604

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

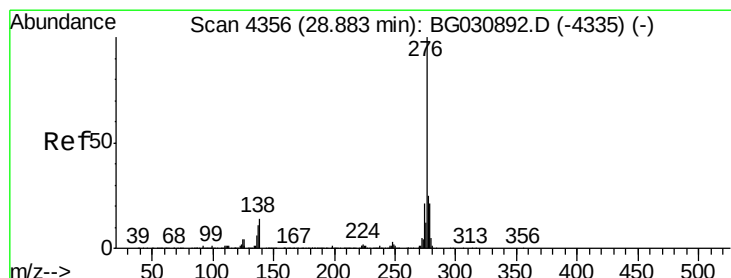
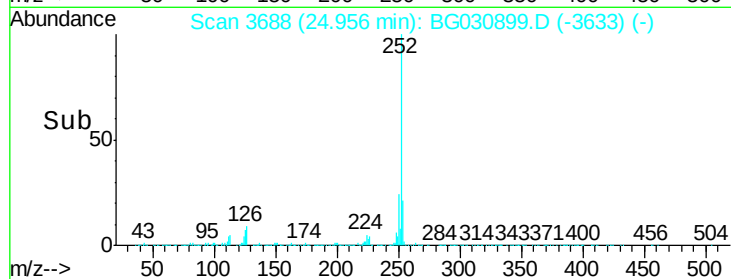
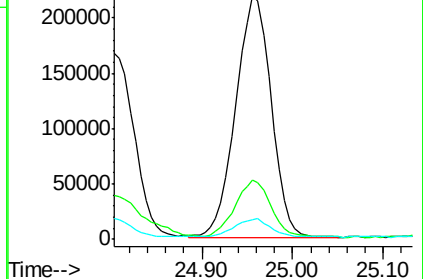
125 7.9 7.8 11.8



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 16.77 ng/ul

RT: 28.94 min Scan# 4366

Delta R.T. 0.06 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

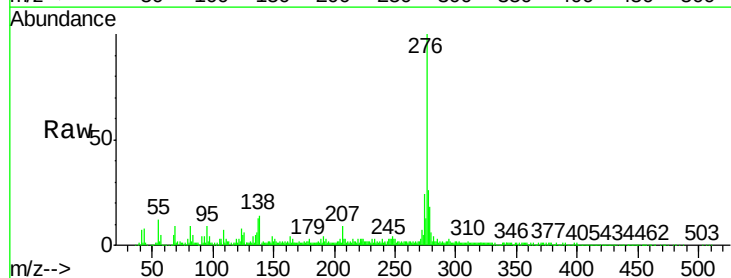
Tgt Ion:276 Resp: 476500

Ion Ratio Lower Upper

276 100

138 14.2 13.4 20.0

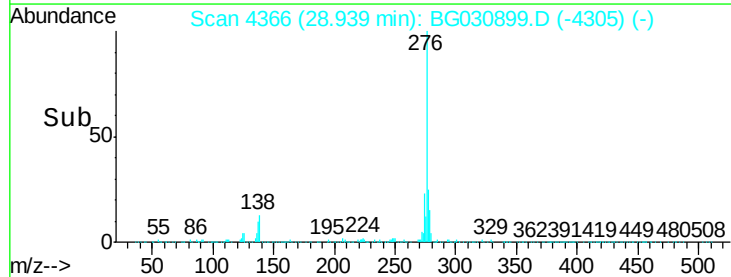
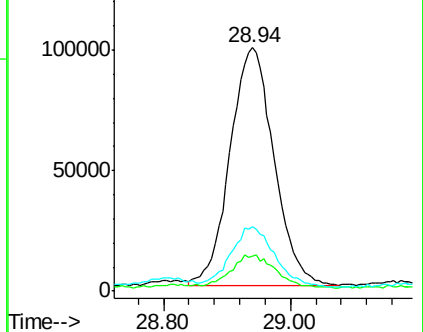
277 26.4 18.6 28.0

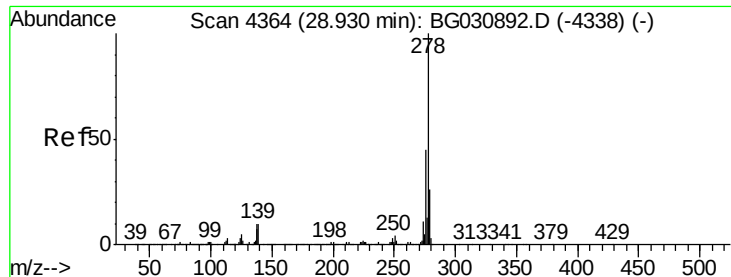


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.23 ng/ul

RT: 28.98 min Scan# 4373

Delta R.T. 0.05 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Instrument :

BNA_G

ClientSampleId :

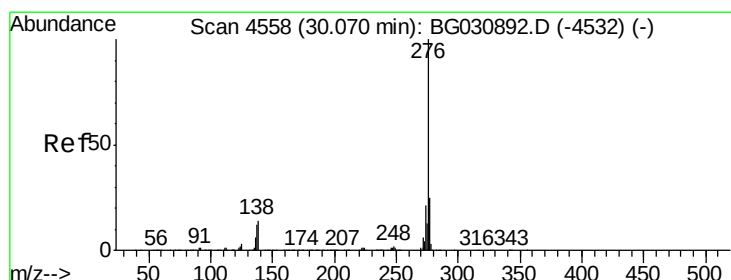
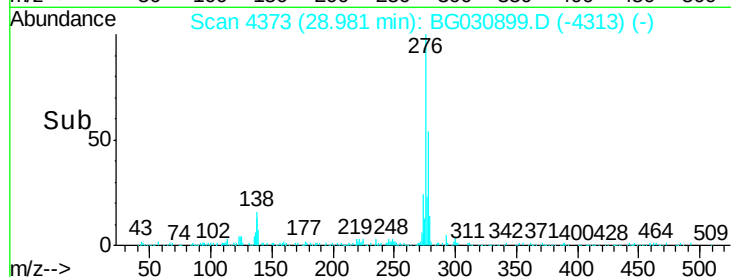
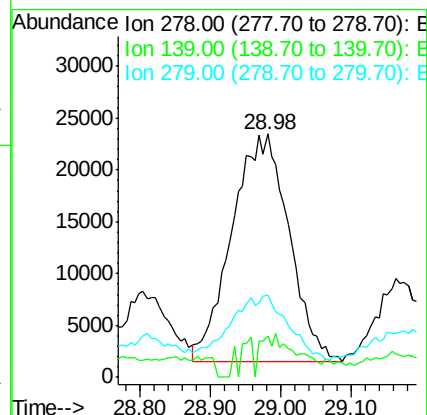
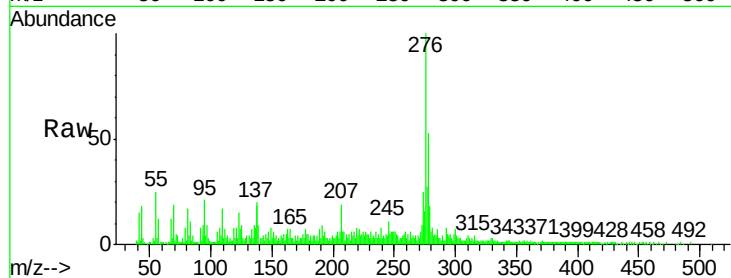
Tot Ion:278 Resp: 123481

Ion Ratio Lower Upper

278 100

139 16.8 9.4 14.2#

279 33.9 18.4 27.6#



#91

Benzo(g,h,i)perylene

Concen: 18.00 ng/ul

RT: 30.14 min Scan# 4571

Delta R.T. 0.07 min

Lab File: BG030899.D

Acq: 10 Nov 2017 3:05

Tgt Ion:276 Resp: 424022

Ion Ratio Lower Upper

276 100

138 15.1 12.1 18.1

277 25.9 17.7 26.5

