

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030831.D
 Acq On : 8 Nov 2017 5:46
 Operator : SJ/JU
 Sample : I6222-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 06:20:12 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 08 04:22:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	74915	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	358473	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	225639	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	514493	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	528063	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	564077	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	5302	2.88	ng/uL	0.00
5) Phenol-d5	7.31	99	125007	17.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	73976	16.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	104060	20.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	101634	17.50	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	53878	20.94	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	63105	23.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	114507	19.06	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	109764	15.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	364746	18.91	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	455488	19.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	47302	13.28	ng/ul	0.00
57) Fluorene-d10	15.76	176	338603	21.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	33003	13.14	ng/ul	0.00
70) Anthracene-d10	17.61	188	508117	20.88	ng/ul	0.00
76) Pyrene-d10	19.89	212	551584	20.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	551225	20.63	ng/ul	0.01

Target Compounds

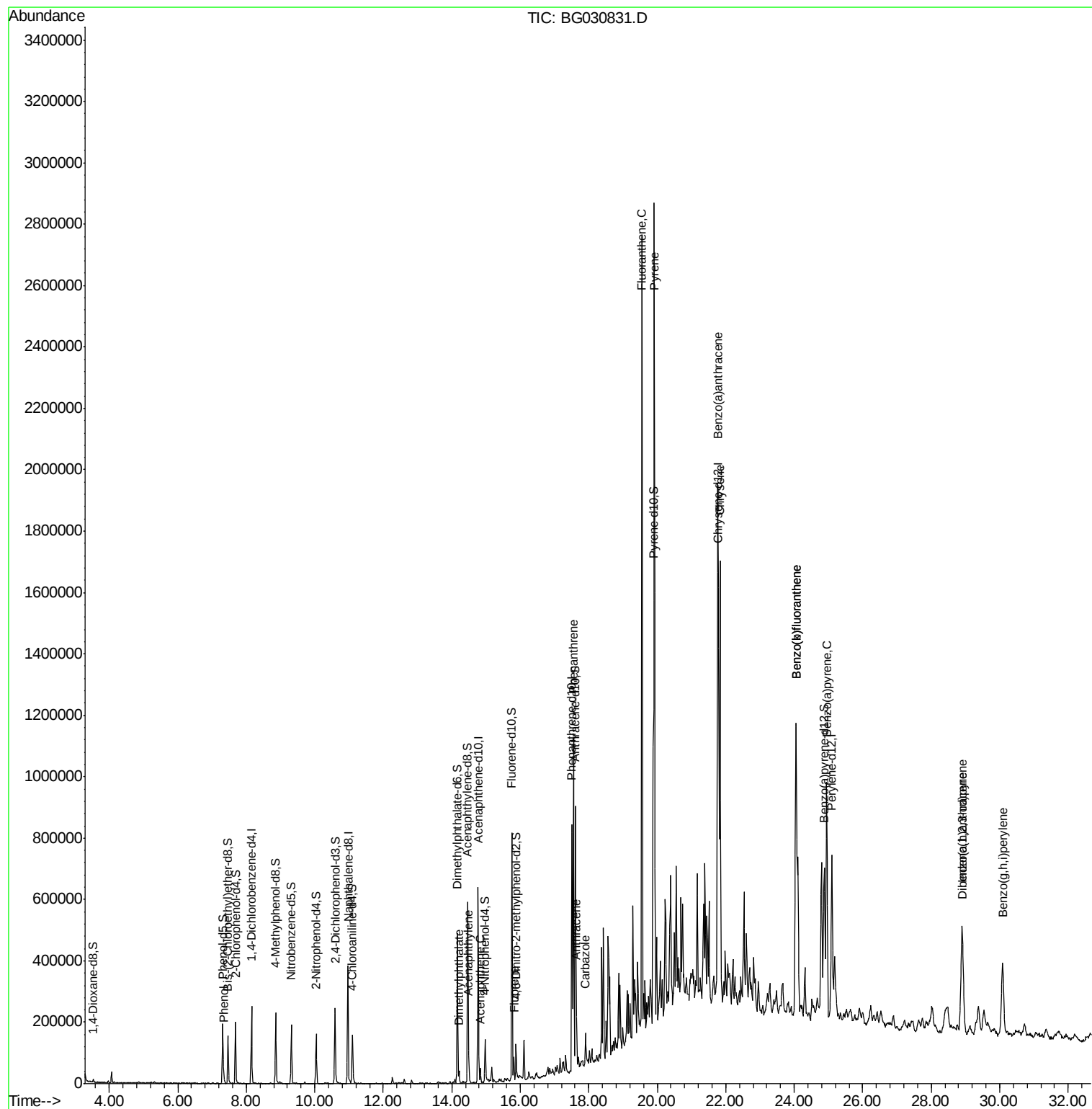
					Ovalue	
6) Phenol	7.34	94	14946	2.009	ng/ul#	83
44) Dimethylphthalate	14.21	163	28929	1.537	ng/ul	99
47) Acenaphthylene	14.49	152	69682	2.912	ng/ul#	92
49) Acenaphthene	14.83	153	20528	1.254	ng/ul	100
58) Fluorene	15.81	166	35832	2.007	ng/ul	96
69) Phenanthrene	17.55	178	694997	24.988	ng/ul	97
71) Anthracene	17.64	178	133221	4.642	ng/ul	100
72) Carbazole	17.91	167	62105	2.408	ng/ul	97
74) Fluoranthene	19.56	202	1666981	53.629	ng/ul	98
77) Pyrene	19.92	202	1661571	46.949	ng/ul	96
80) Benzo(a)anthracene	21.77	228	1074956	32.482	ng/ul	97
82) Chrysene	21.84	228	1064841	35.413	ng/ul	95
85) Benzo(b)fluoranthene	24.05	252	1226593	36.222	ng/ul	96
86) Benzo(k)fluoranthene	24.05	252	1226593	37.463	ng/ul	96
88) Benzo(a)pyrene	24.95	252	830306	25.189	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.89	276	608729	16.323	ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	168002	5.423	ng/ul#	89
91) Benzo(g,h,i)perylene	30.09	276	480457	15.542	ng/ul	95

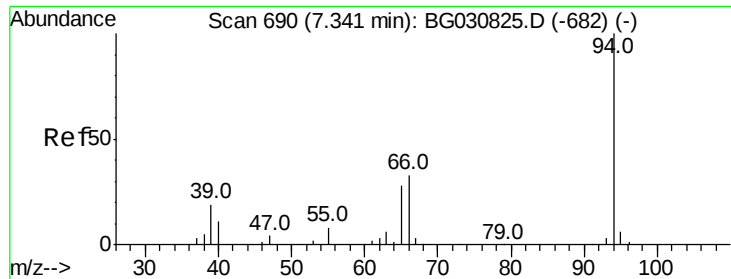
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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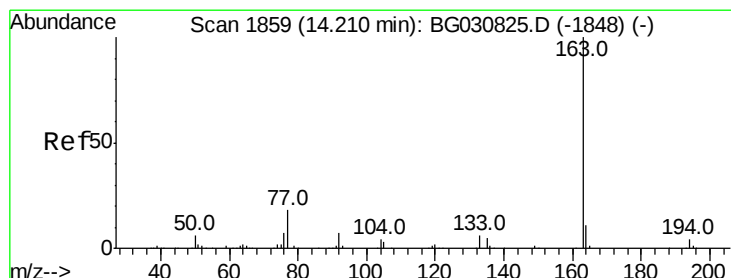
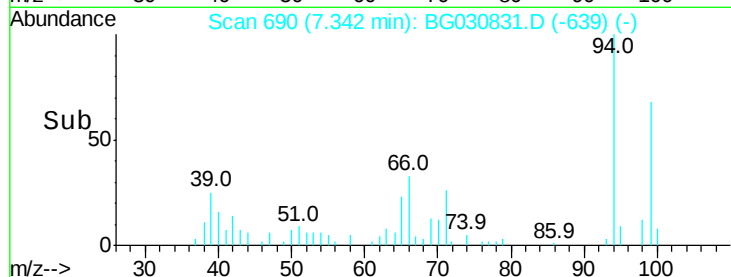
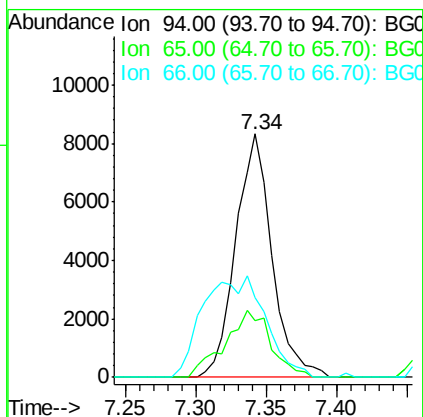
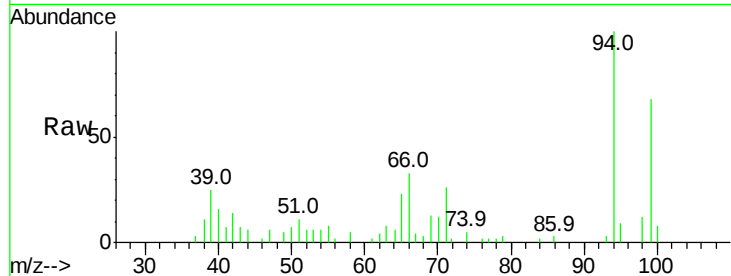
#6

Phenol

Concen: 2.009 ng/ul
 RT: 7.34 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 94 Resp: 14946
 Ion Ratio Lower Upper
 94 100
 65 23.4 27.1 40.7#
 66 33.0 34.6 52.0#

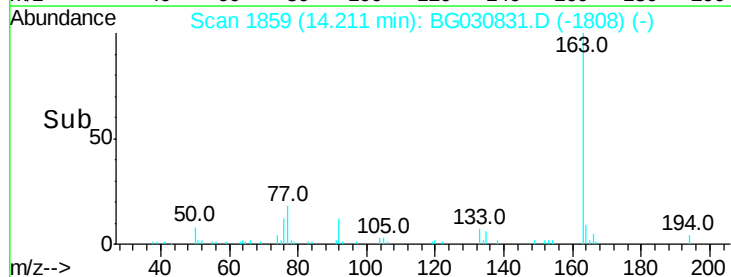
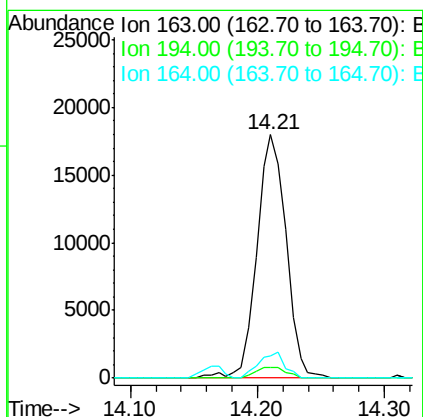
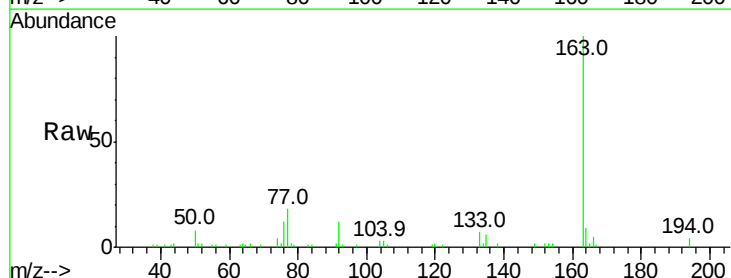


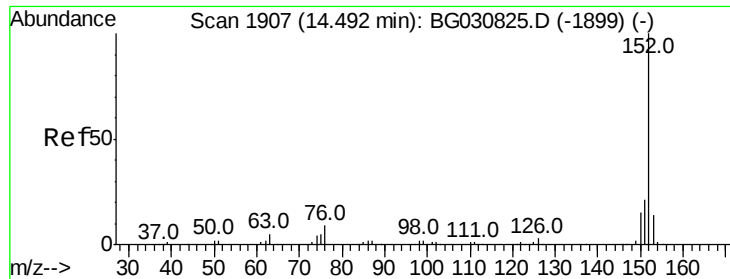
#44

Dimethylphthalate

Concen: 1.537 ng/ul
 RT: 14.21 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Tgt Ion:163 Resp: 28929
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.5 5.3
 164 9.1 7.6 11.4





#47

Acenaphthylene

Concen: 2.912 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampleId :

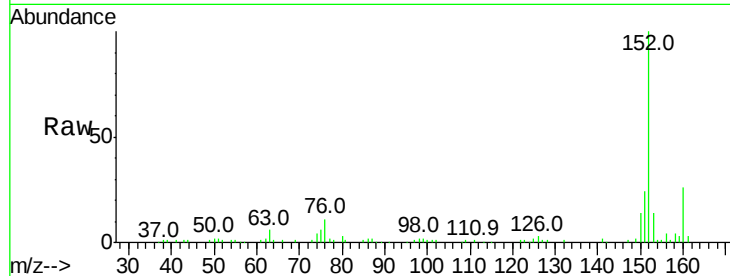
Tot Ion:152 Resp: 69682

Ion Ratio Lower Upper

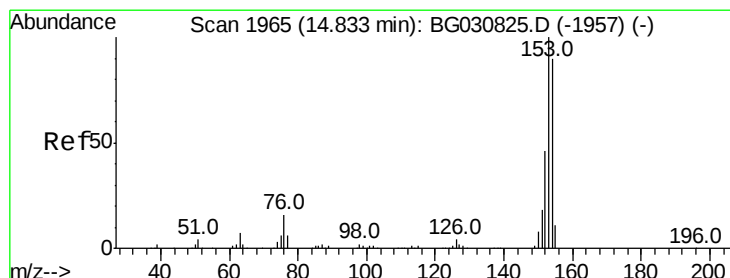
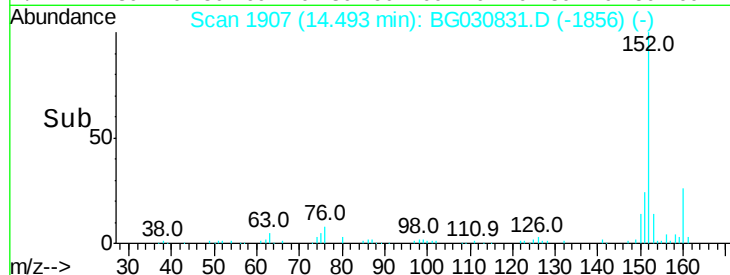
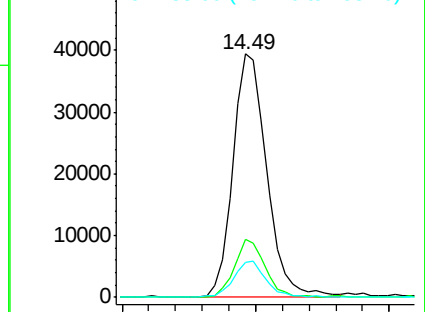
152 100

151 23.6 15.2 22.8#

153 14.4 10.2 15.4



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: 1.254 ng/ul

RT: 14.83 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

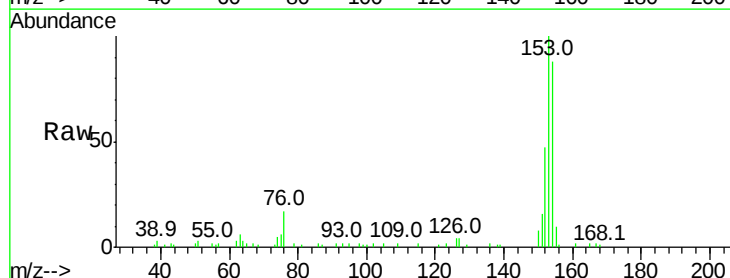
Tgt Ion:153 Resp: 20528

Ion Ratio Lower Upper

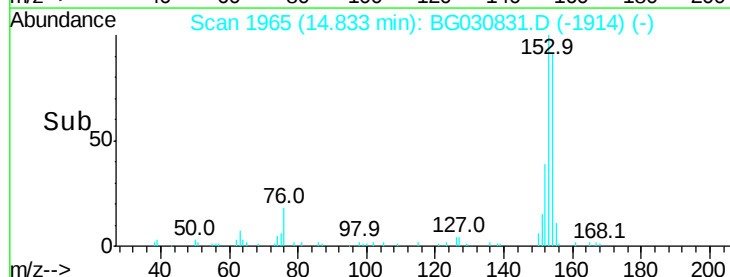
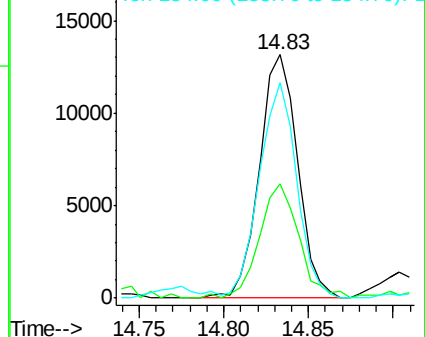
153 100

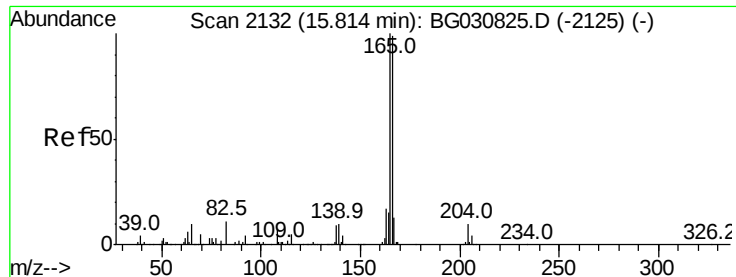
152 47.2 38.2 57.2

154 88.3 70.6 105.8



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





#58

Fluorene

Concen: 2.007 ng/ul

RT: 15.81 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampleId :

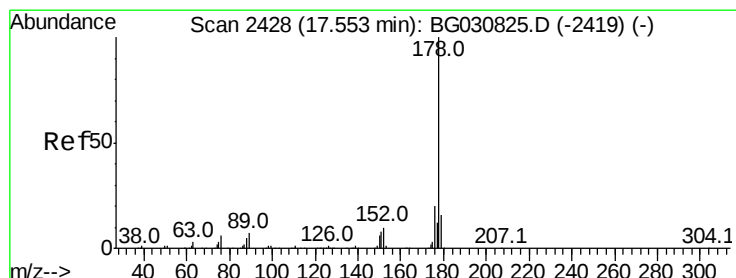
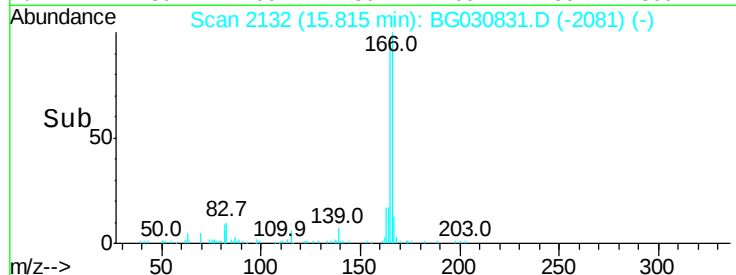
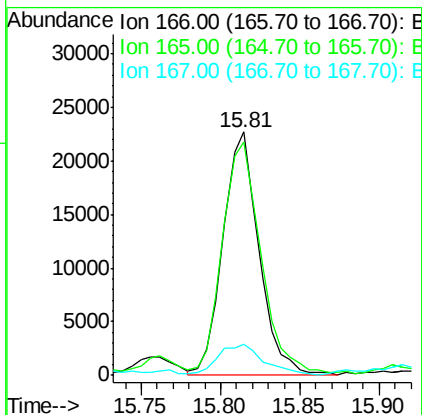
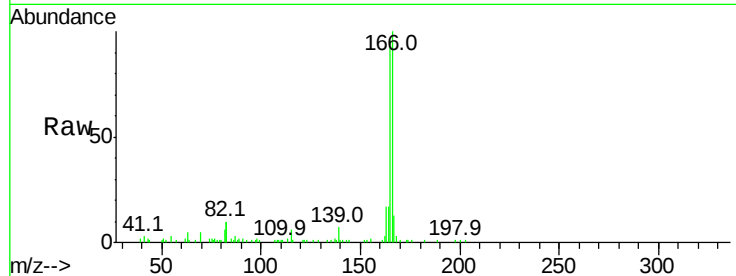
Tot Ion:166 Resp: 35832

Ion Ratio Lower Upper

166 100

165 95.8 79.9 119.9

167 12.7 10.6 16.0



#69

Phenanthrene

Concen: 24.988 ng/ul

RT: 17.55 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

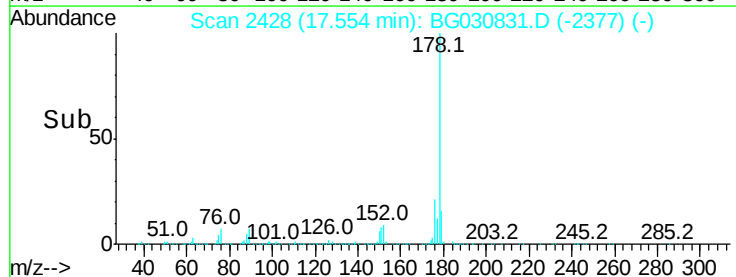
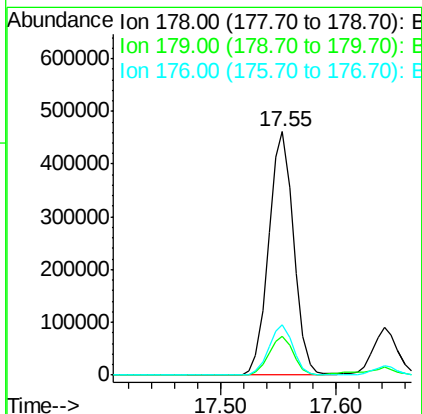
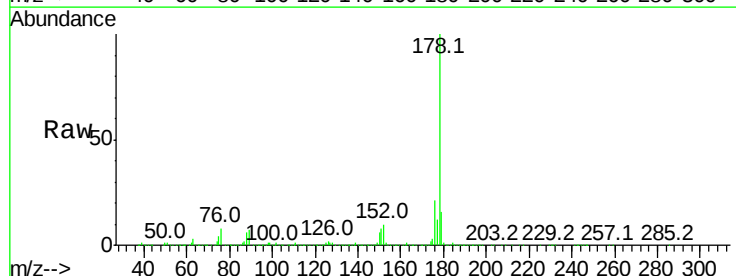
Tgt Ion:178 Resp: 694997

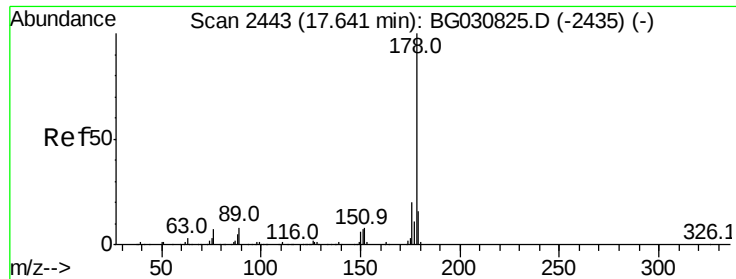
Ion Ratio Lower Upper

178 100

179 16.0 13.0 19.6

176 20.9 15.3 22.9

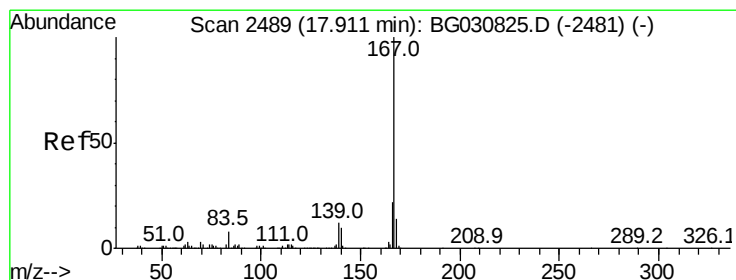
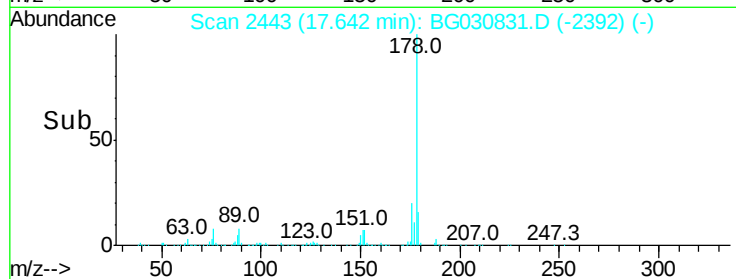
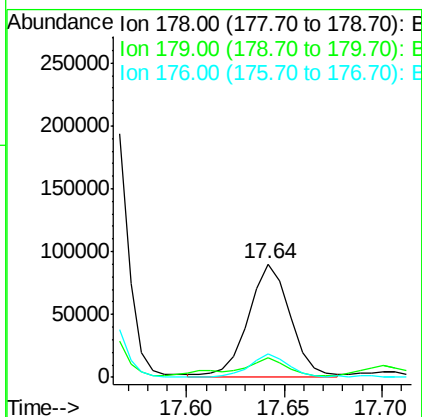
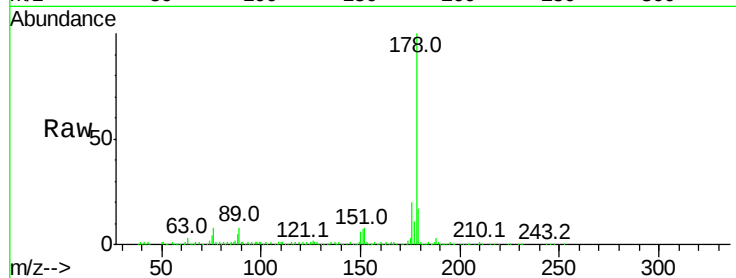




#71
 Anthracene
 Concen: 4.642 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

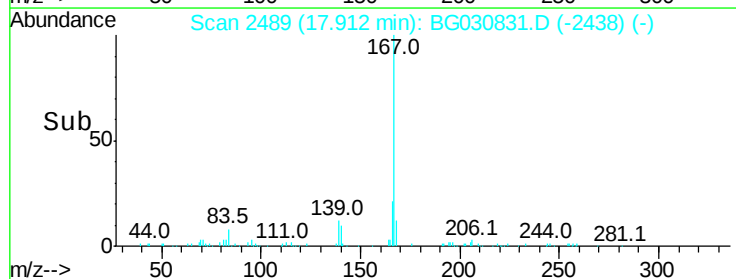
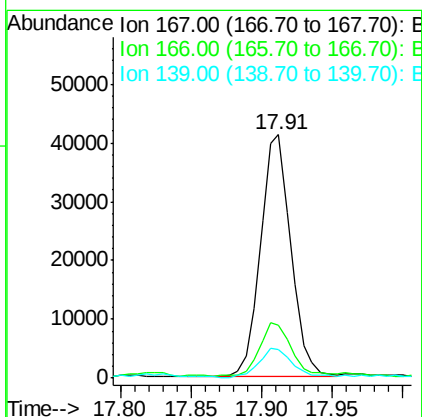
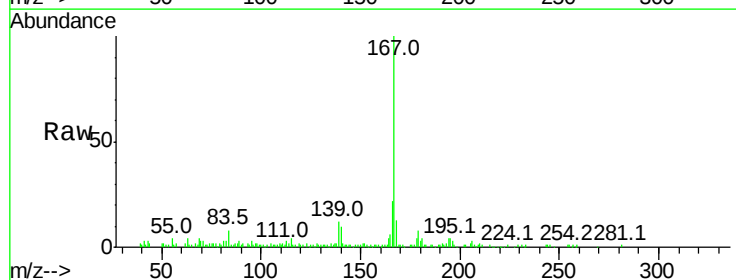
Instrument :
 BNA_G
 ClientSampleId :

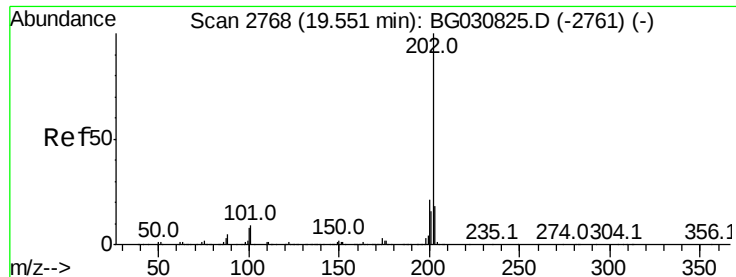
Tot Ion:178 Resp: 133221
 Ion Ratio Lower Upper
 178 100
 179 16.8 13.2 19.8
 176 20.1 16.0 24.0



#72
 Carbazole
 Concen: 2.408 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Tgt Ion:167 Resp: 62105
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.6 28.0
 139 11.9 10.6 16.0





#74

Fluoranthene

Concen: 53.629 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampleId :

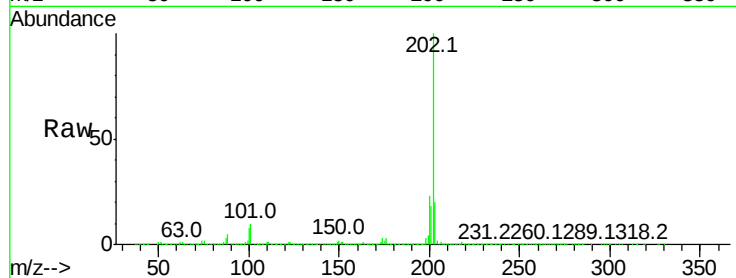
Tot Ion:202 Resp: 1666981

Ion Ratio Lower Upper

202 100

101 9.8 7.4 11.2

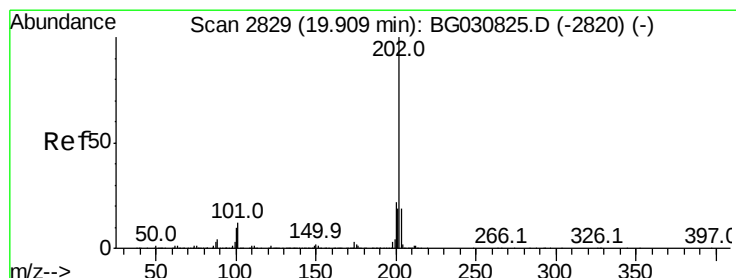
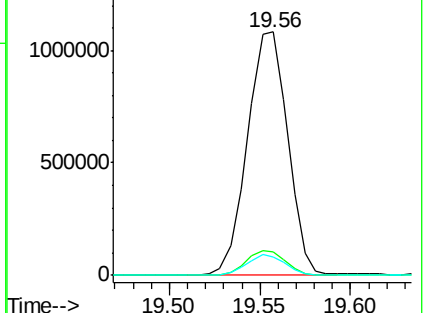
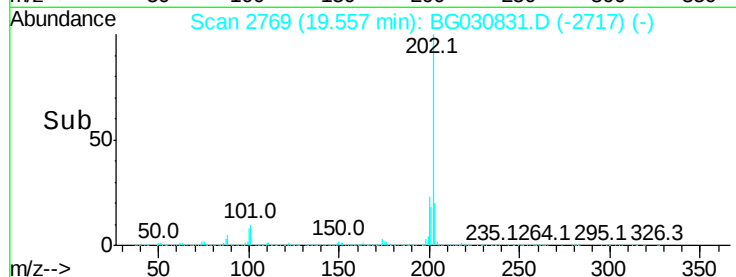
100 7.8 5.6 8.4



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: 46.949 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

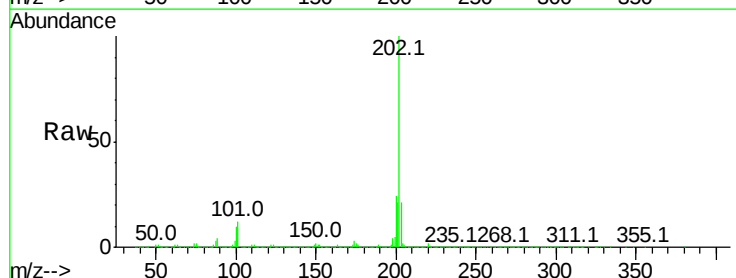
Tgt Ion:202 Resp: 1661571

Ion Ratio Lower Upper

202 100

101 12.1 8.4 12.6

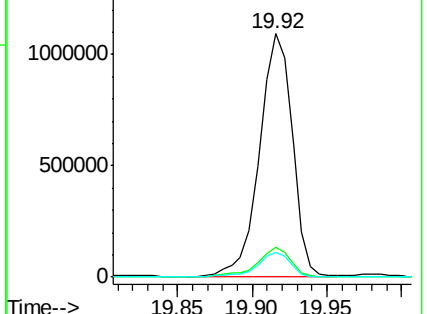
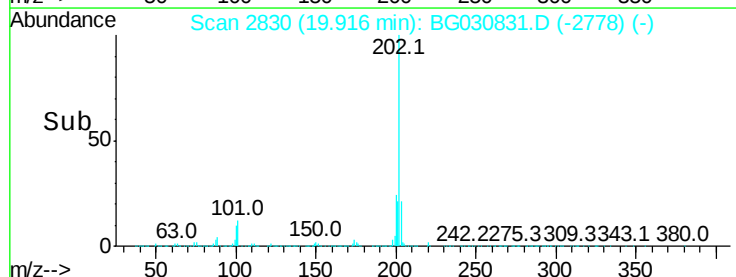
100 10.4 7.0 10.6

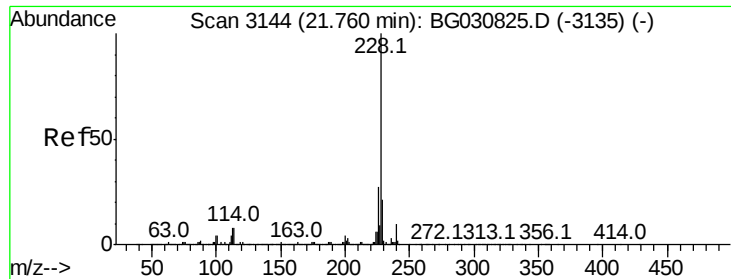


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 32.482 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

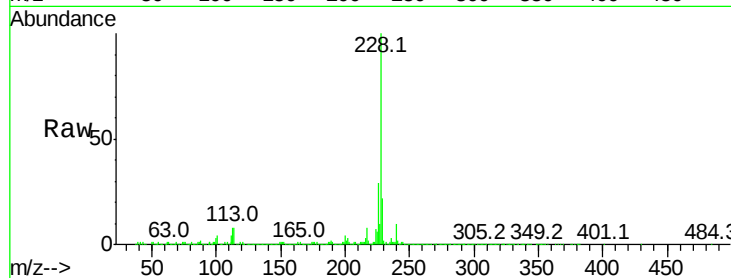
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1074956

Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.2	24.4
226	29.3	22.2	33.2

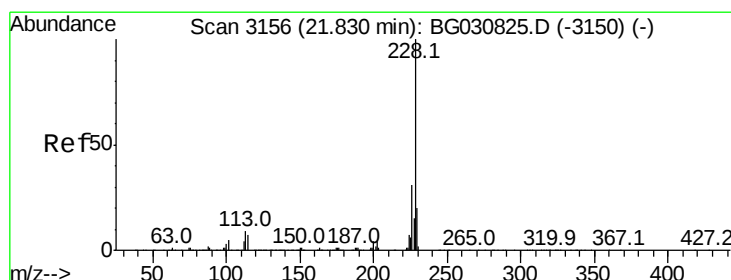
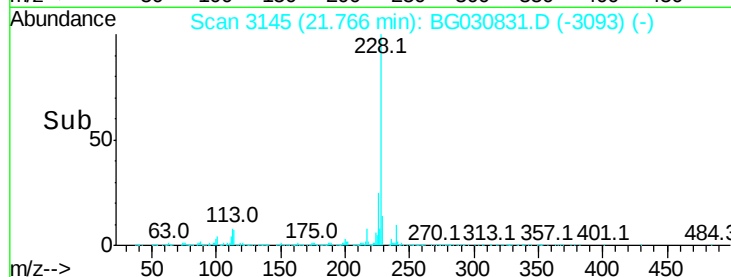
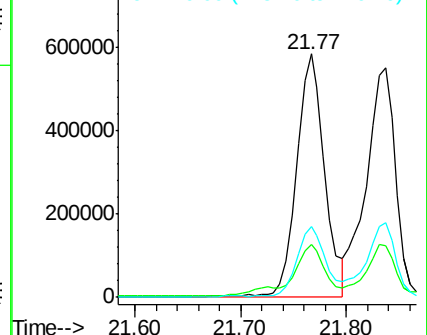


Abundance

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: 35.413 ng/ul

RT: 21.84 min Scan# 3157

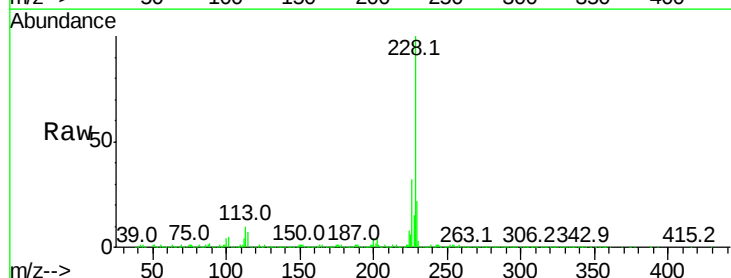
Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Tgt Ion:228 Resp: 1064841

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.2
229	22.3	15.2	22.8

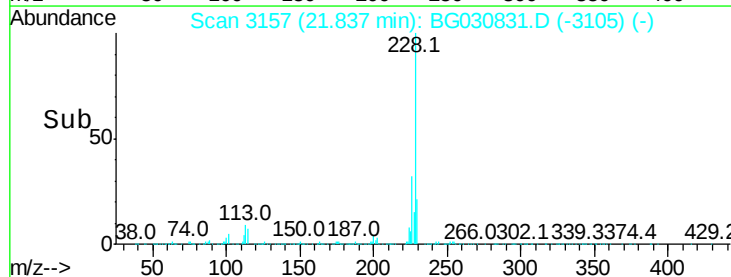
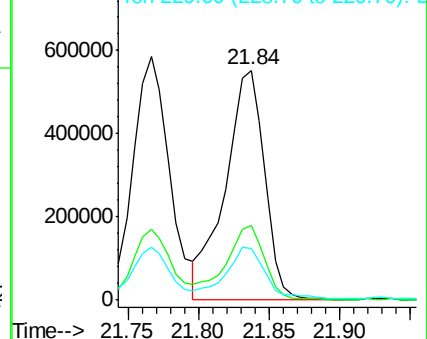


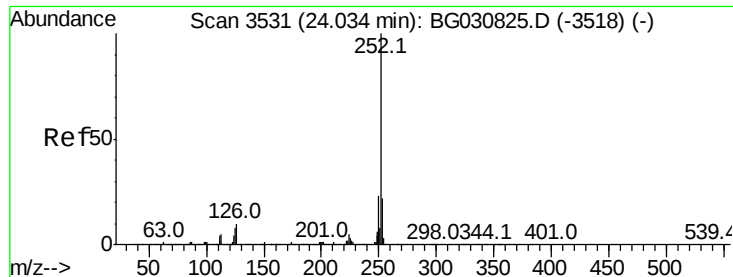
Abundance

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: 36.222 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. 0.02 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampled :

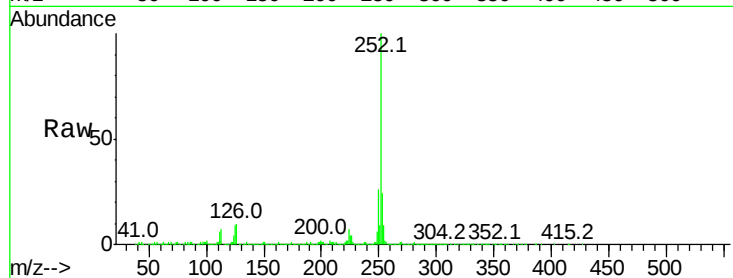
Tot Ion:252 Resp: 1226593

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.4

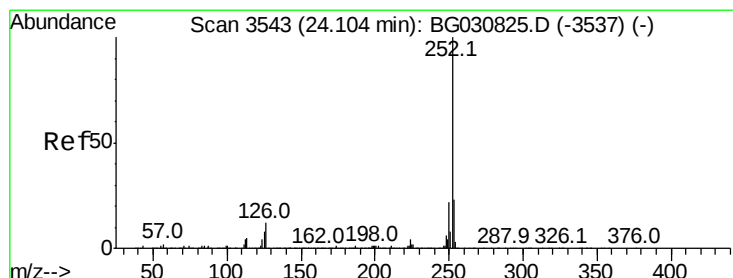
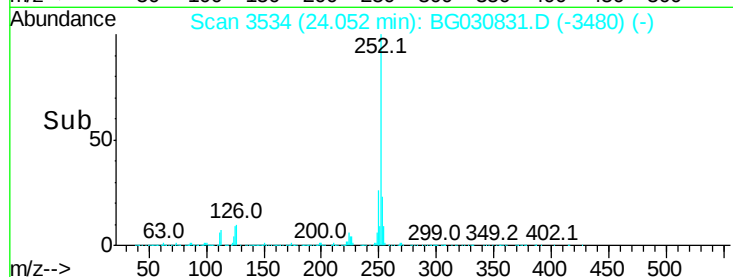
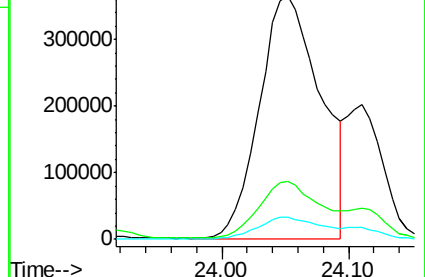
125 9.0 7.5 11.3



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: 37.463 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.05 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

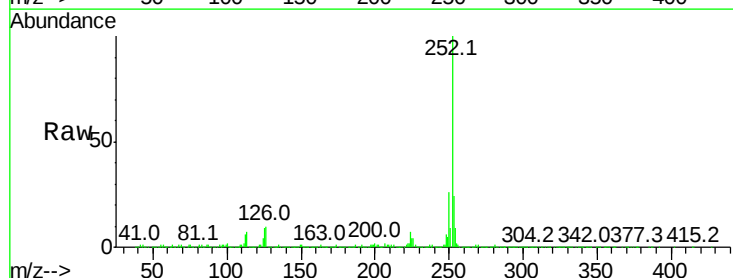
Tgt Ion:252 Resp: 1226593

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

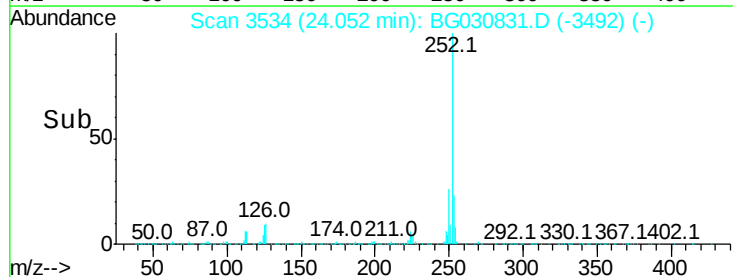
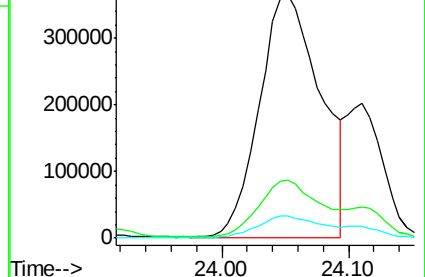
125 9.0 7.8 11.8

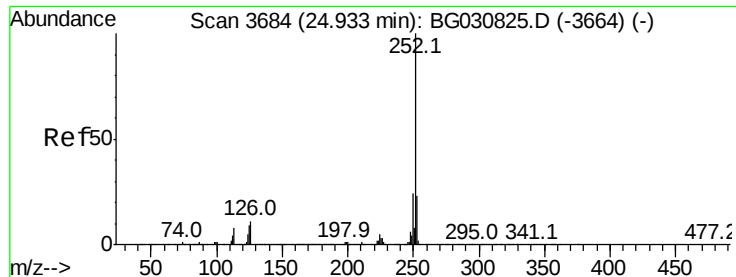


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 25.189 ng/ul

RT: 24.95 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampleId :

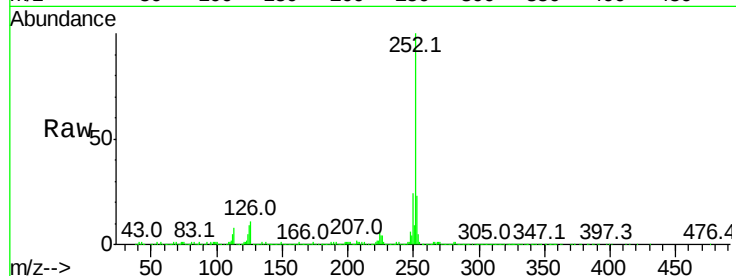
Tot Ion:252 Resp: 830306

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

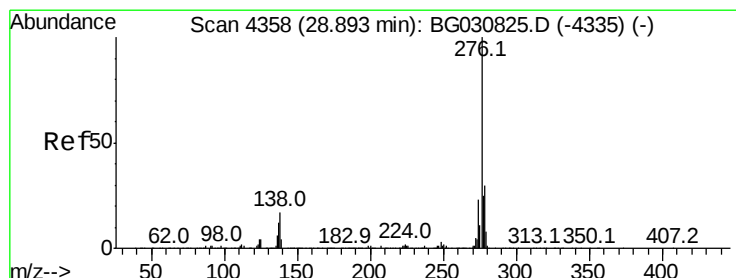
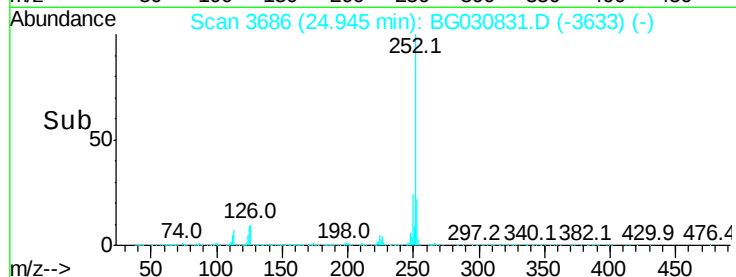
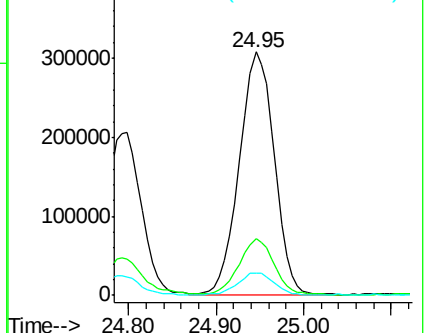
125 9.0 7.8 11.8



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: 16.323 ng/ul

RT: 28.89 min Scan# 4358

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

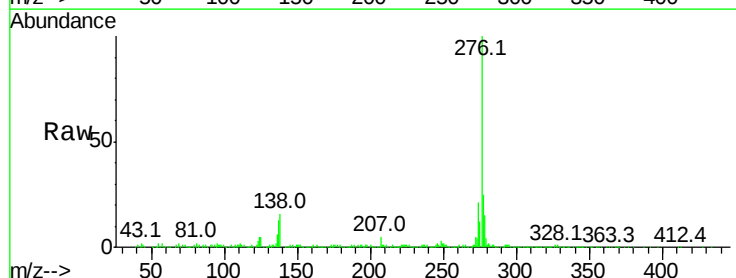
Tgt Ion:276 Resp: 608729

Ion Ratio Lower Upper

276 100

138 16.3 13.4 20.0

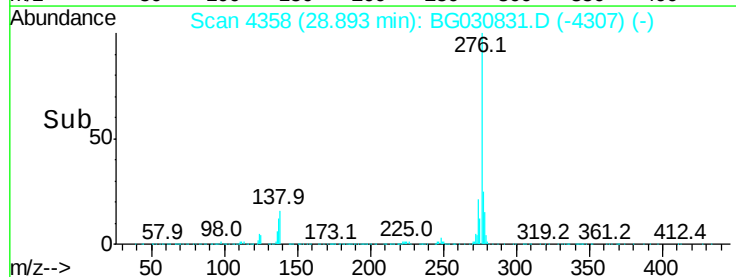
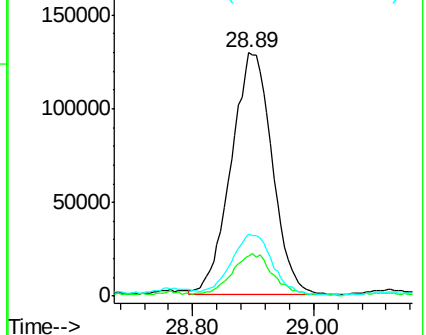
277 25.3 18.6 28.0

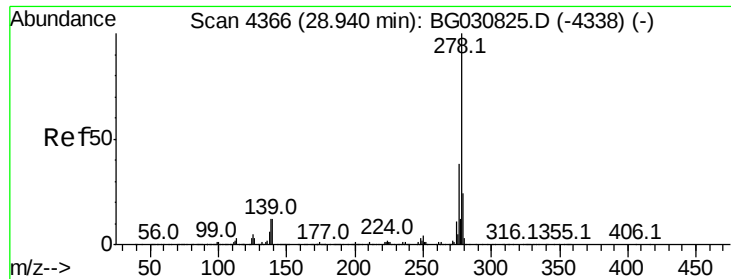


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.423 ng/ul

RT: 28.93 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampleId :

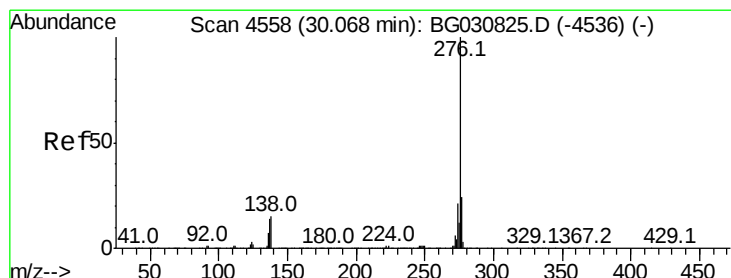
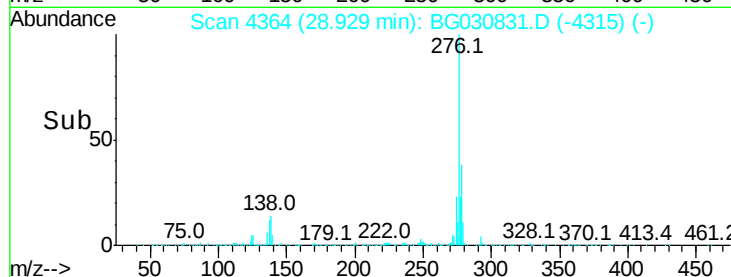
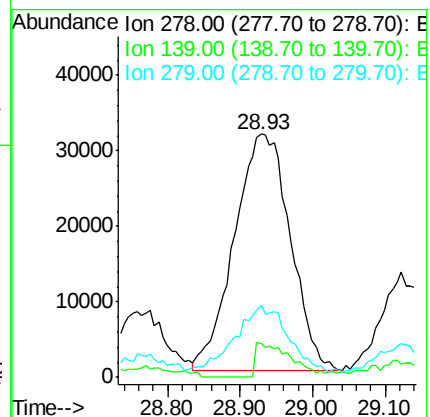
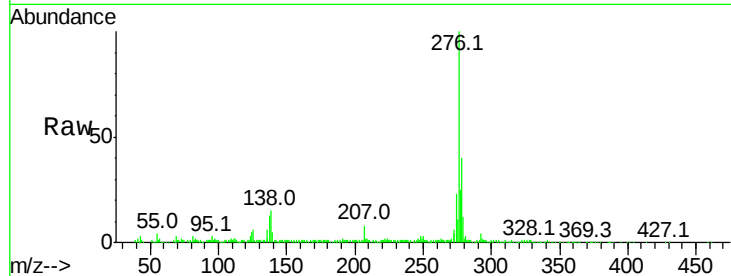
Tot Ion:278 Resp: 168002

Ion Ratio Lower Upper

278 100

139 13.7 9.4 14.2

279 29.8 18.4 27.6#



#91

Benzo(g,h,i)perylene

Concen: 15.542 ng/ul

RT: 30.09 min Scan# 4561

Delta R.T. 0.02 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Tgt Ion:276 Resp: 480457

Ion Ratio Lower Upper

276 100

138 17.6 12.1 18.1

277 24.1 17.7 26.5

