

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030832.D
 Acq On : 8 Nov 2017 6:23
 Operator : SJ/JU
 Sample : I6222-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 07:13:42 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	74702	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	359149	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	239850	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	559035	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	563991	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	601813	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	7079	3.85	ng/uL	0.00
5) Phenol-d5	7.31	99	169412	23.63	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	97827	21.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	135103	26.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	127169	21.96	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	71657	27.79	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	89058	33.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	154864	25.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	146362	20.93	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	507981	24.77	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	637880	25.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	76202	20.13	ng/ul	0.00
57) Fluorene-d10	15.76	176	471702	28.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	55472	20.33	ng/ul	0.00
70) Anthracene-d10	17.61	188	704969	26.66	ng/ul	0.00
76) Pyrene-d10	19.89	212	781843	26.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	782760	27.46	ng/ul	0.01

Target Compounds

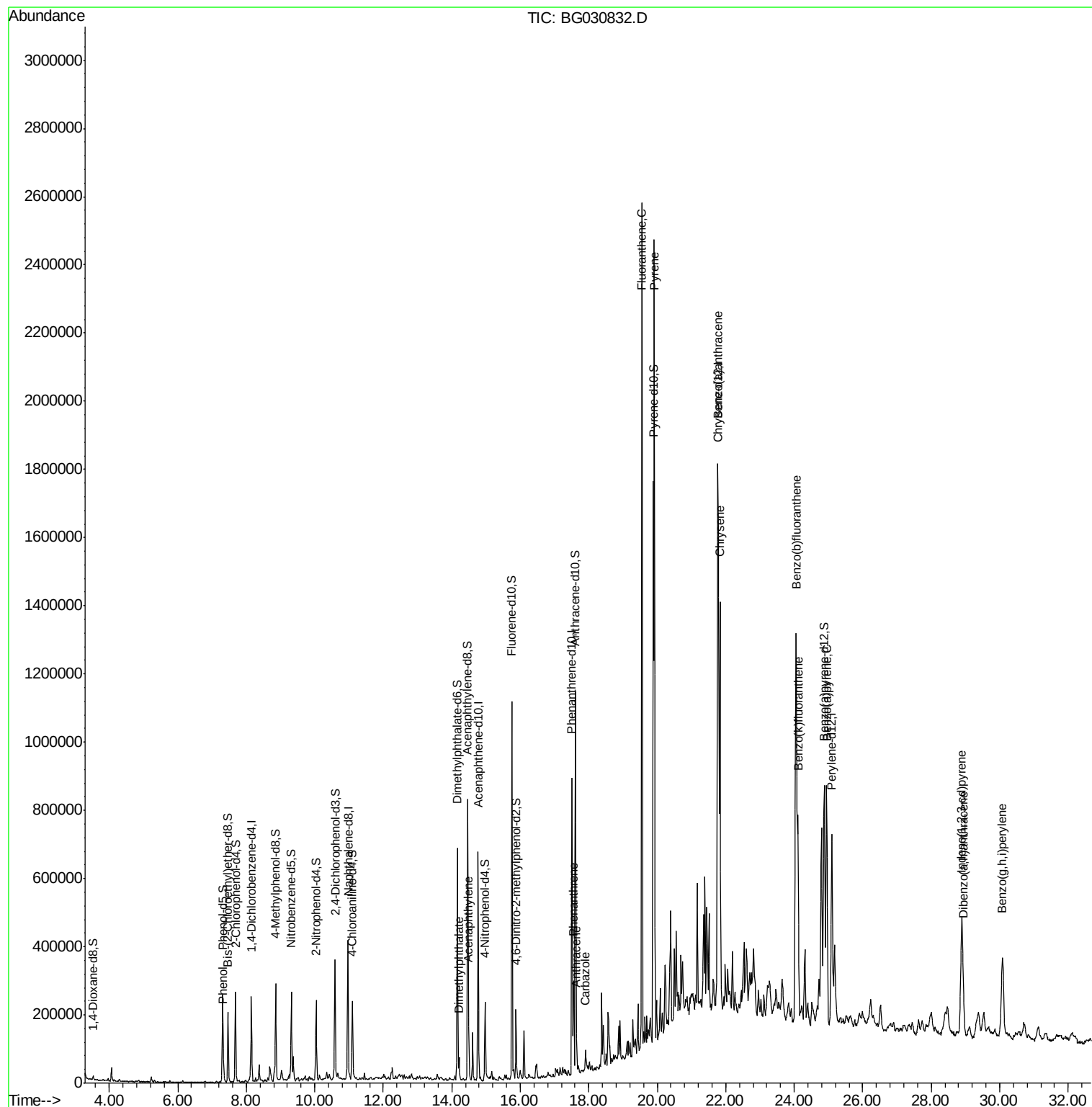
					Ovalue	
6) Phenol	7.34	94	18891	2.546	ng/ul	94
44) Dimethylphthalate	14.21	163	37996	1.900	ng/ul#	95
47) Acenaphthylene	14.49	152	125326	4.926	ng/ul	96
69) Phenanthrene	17.55	178	177363	5.869	ng/ul	100
71) Anthracene	17.64	178	79784	2.559	ng/ul	98
72) Carbazole	17.91	167	38317	1.367	ng/ul	96
74) Fluoranthene	19.56	202	1597345	47.294	ng/ul	98
77) Pyrene	19.92	202	1451906	38.411	ng/ul	97
80) Benzo(a)anthracene	21.77	228	956914	27.073	ng/ul	96
82) Chrysene	21.83	228	949429	29.563	ng/ul	96
85) Benzo(b)fluoranthene	24.05	252	1457846	40.351	ng/ul	97
86) Benzo(k)fluoranthene	24.11	252	472399	13.524	ng/ul	96
88) Benzo(a)pyrene	24.95	252	778440	22.135	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.89	276	600871	15.102	ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	154421	4.672	ng/ul#	92
91) Benzo(g,h,i)perylene	30.08	276	480181	14.559	ng/ul	96

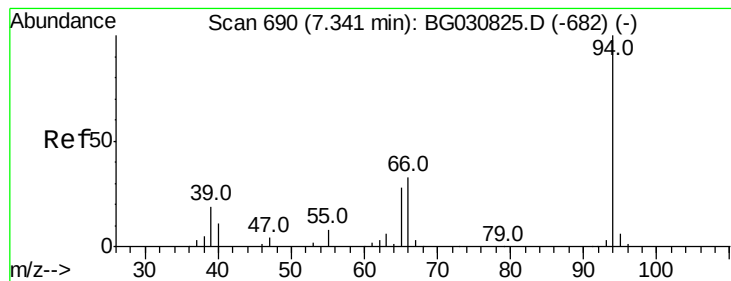
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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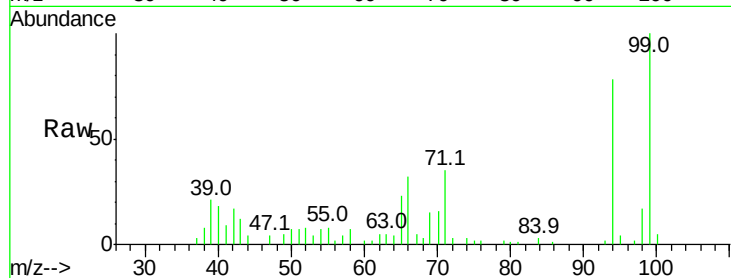
#6

Phenol

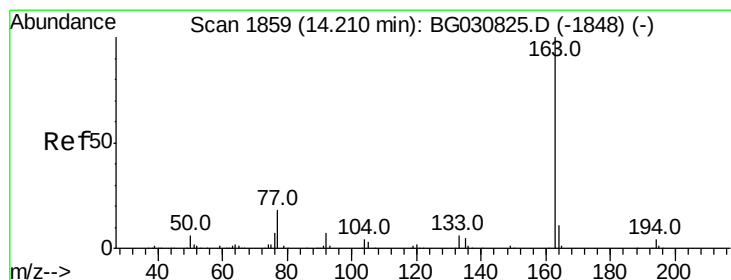
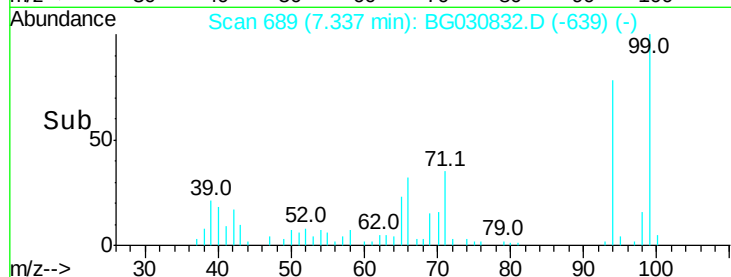
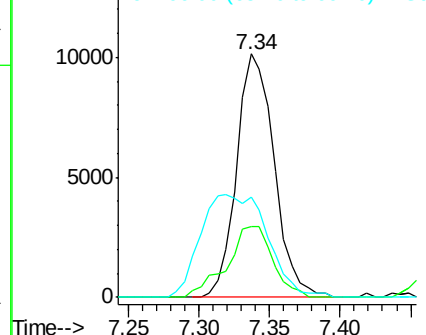
Concen: 2.546 ng/ul
 RT: 7.34 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BG030832.D
 Acq: 8 Nov 2017 6:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	94	Resp	18891
Ion Ratio	Lower	Upper	
94	100		
65	29.2	27.1	40.7
66	41.0	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

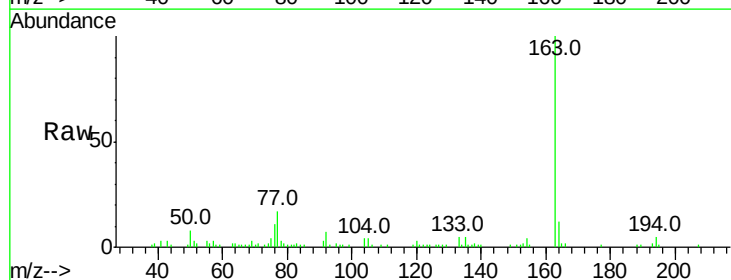


#44

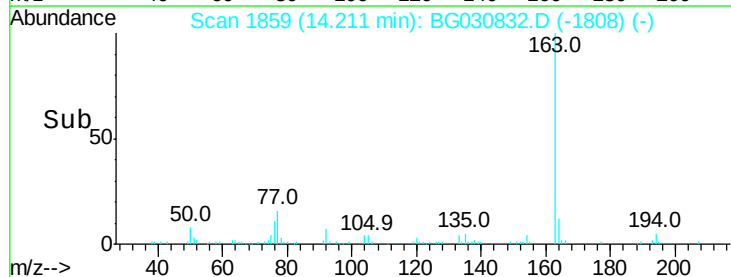
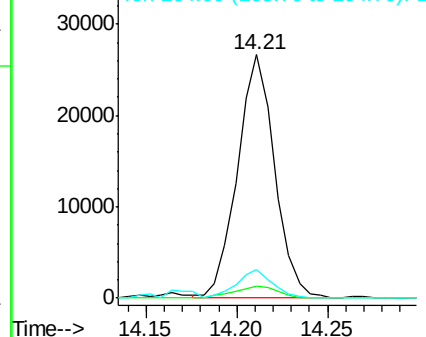
Dimethylphthalate

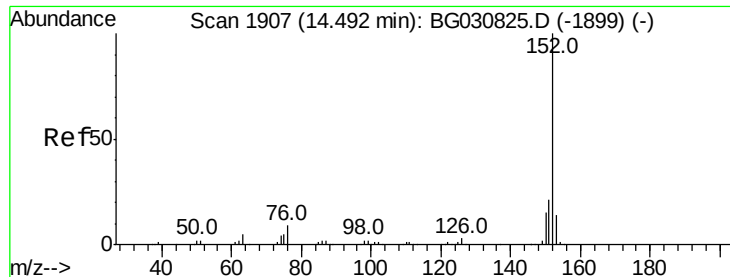
Concen: 1.900 ng/ul
 RT: 14.21 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: BG030832.D
 Acq: 8 Nov 2017 6:23

Tgt Ion	163	Resp	37996
Ion Ratio	Lower	Upper	
163	100		
194	5.2	3.5	5.3
164	11.8	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





#47

Acenaphthylene

Concen: 4.926 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

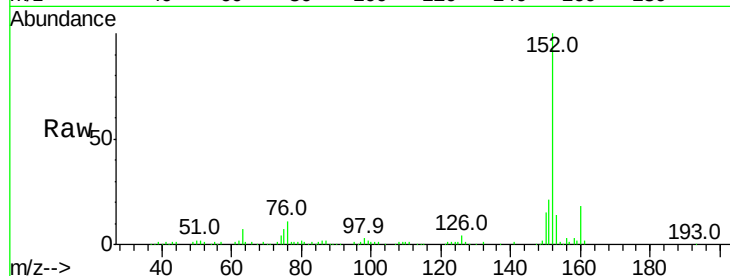
Instrument :

BNA_G

ClientSampleId :

Tot Ion:152 Resp: 125326

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.2	22.8
153	14.1	10.2	15.4

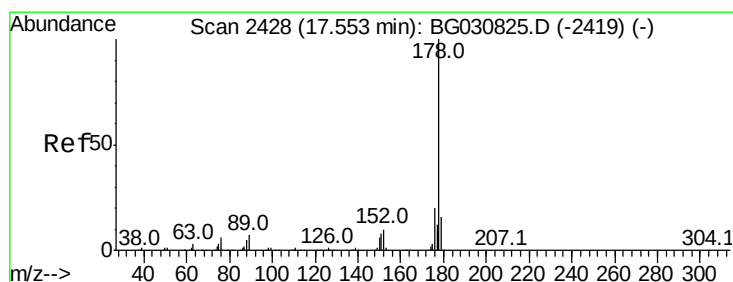
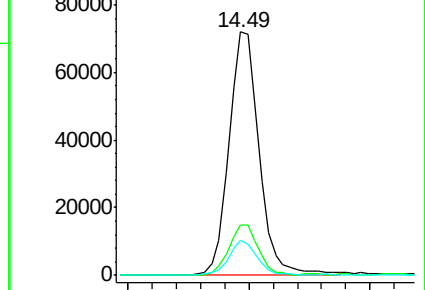
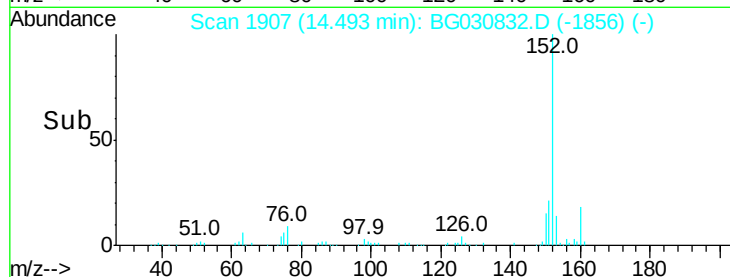


Abundance

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



#69

Phenanthrene

Concen: 5.869 ng/ul

RT: 17.55 min Scan# 2428

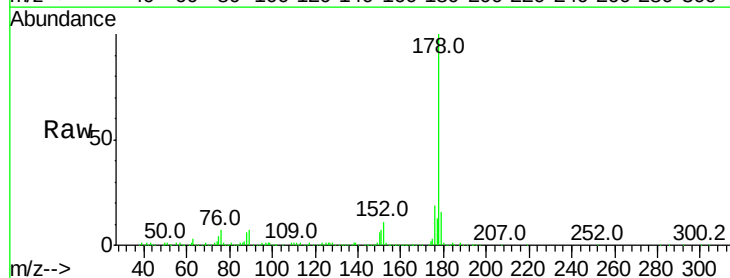
Delta R.T. 0.00 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Tgt Ion:178 Resp: 177363

Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.0	19.6
176	19.1	15.3	22.9

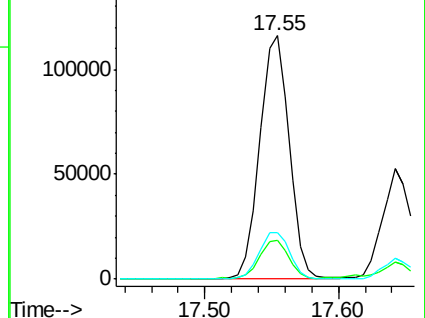
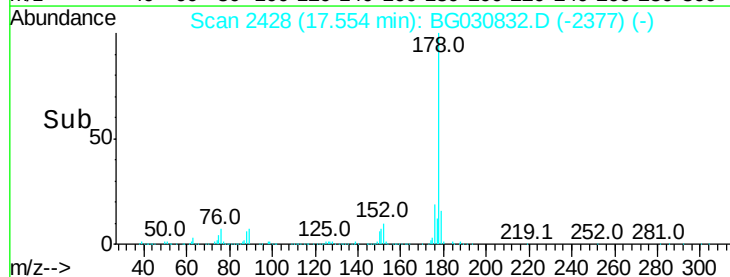


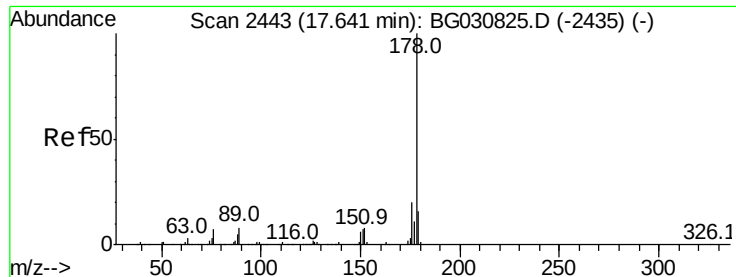
Abundance

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

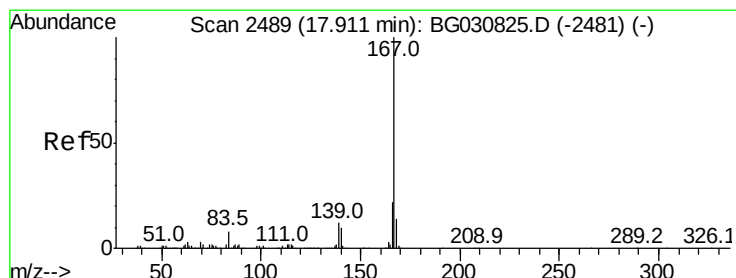
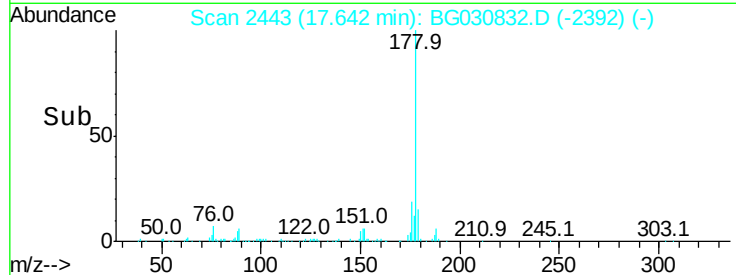
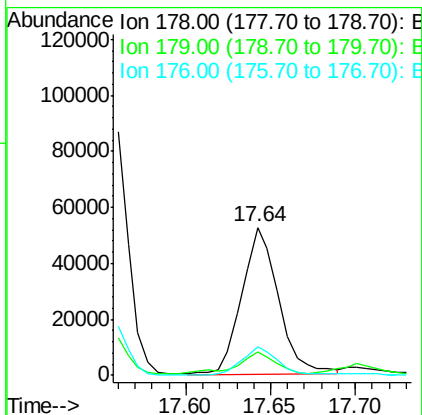
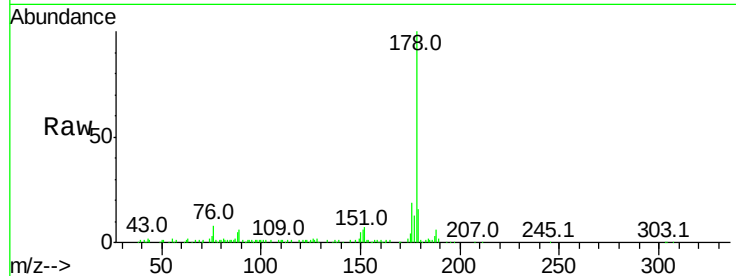




#71
 Anthracene
 Concen: 2.559 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG030832.D
 Acq: 8 Nov 2017 6:23

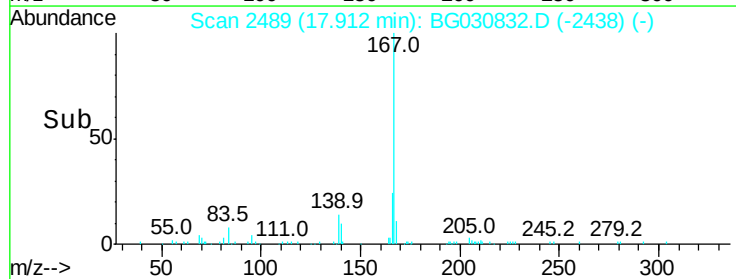
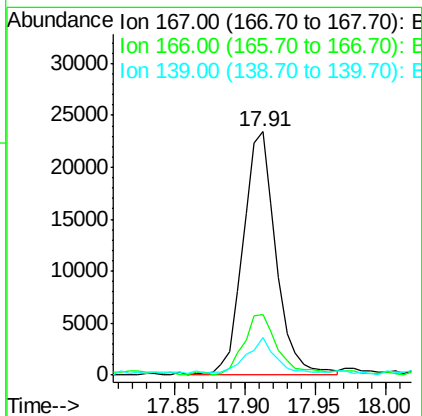
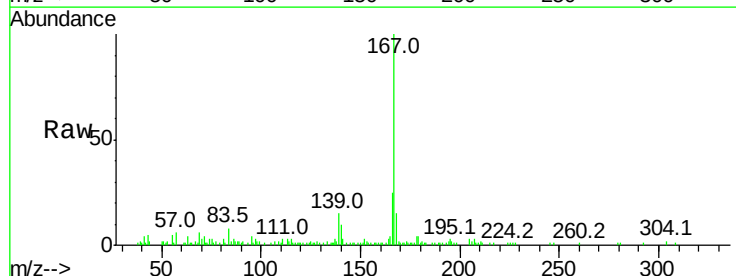
Instrument :
 BNA_G
 ClientSampled :

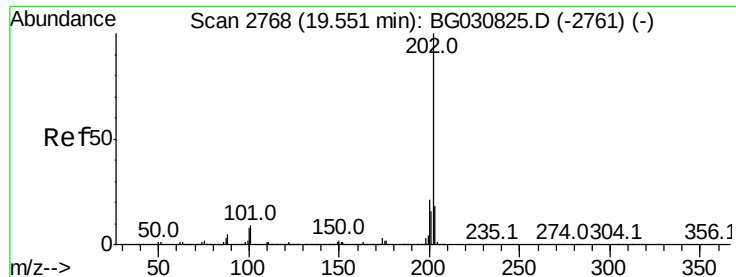
Tot Ion:178 Resp: 79784
 Ion Ratio Lower Upper
 178 100
 179 15.6 13.2 19.8
 176 19.1 16.0 24.0



#72
 Carbazole
 Concen: 1.367 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030832.D
 Acq: 8 Nov 2017 6:23

Tgt Ion:167 Resp: 38317
 Ion Ratio Lower Upper
 167 100
 166 24.9 18.6 28.0
 139 15.2 10.6 16.0





#74

Fluoranthene

Concen: 47.294 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Instrument :

BNA_G

ClientSampleId :

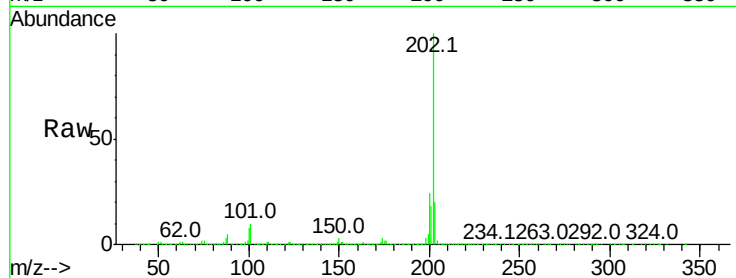
Tot Ion:202 Resp: 1597345

Ion Ratio Lower Upper

202 100

101 9.8 7.4 11.2

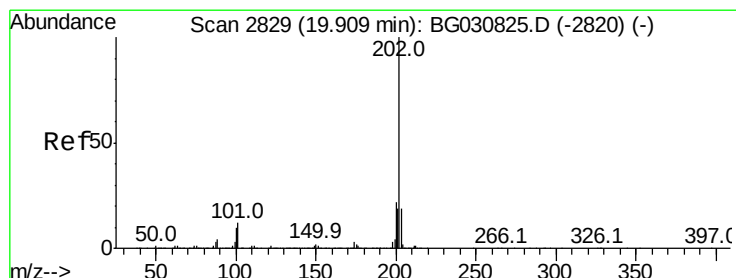
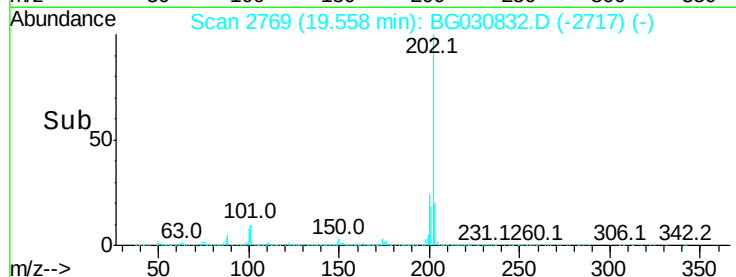
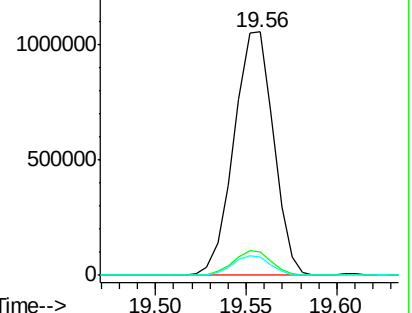
100 7.7 5.6 8.4



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: 38.411 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

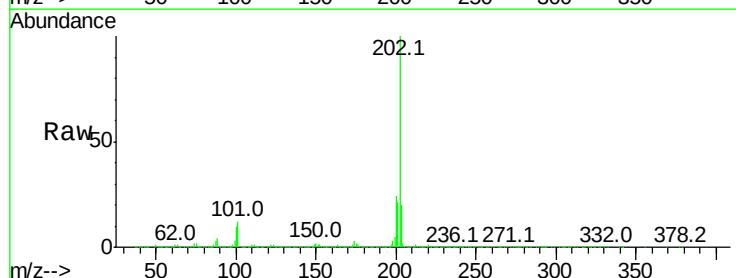
Tgt Ion:202 Resp: 1451906

Ion Ratio Lower Upper

202 100

101 11.6 8.4 12.6

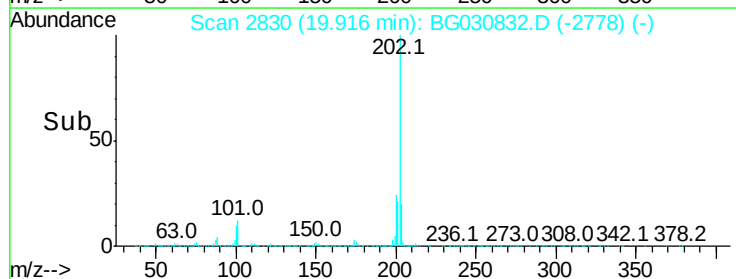
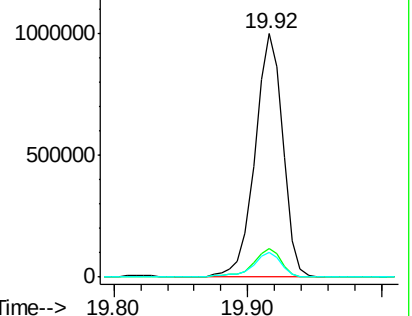
100 10.1 7.0 10.6

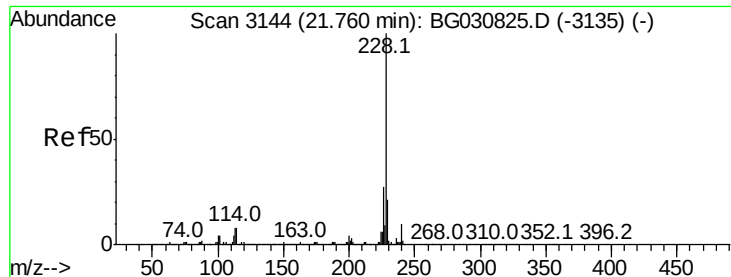


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 27.073 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Instrument :

BNA_G

ClientSampleId :

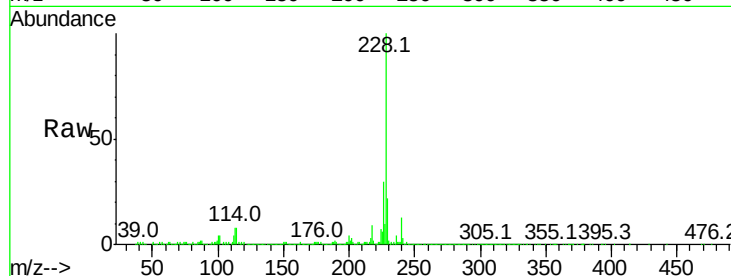
Tot Ion:228 Resp: 956914

Ion Ratio Lower Upper

228 100

229 21.7 16.2 24.4

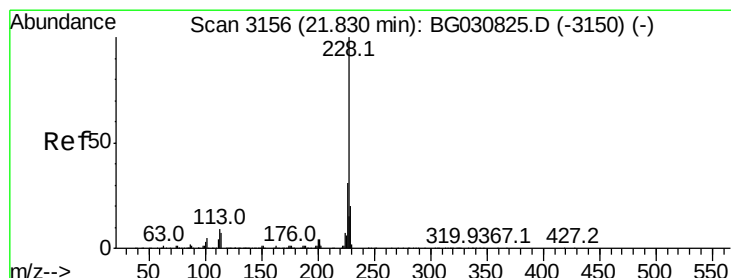
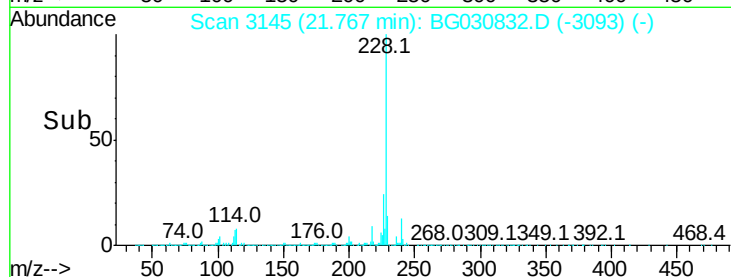
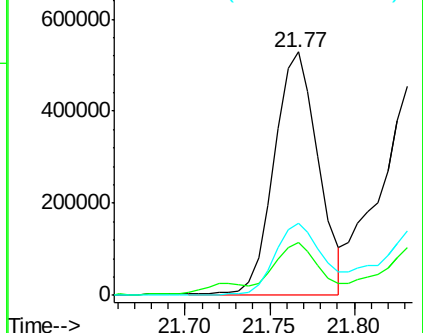
226 29.9 22.2 33.2



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: 29.563 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

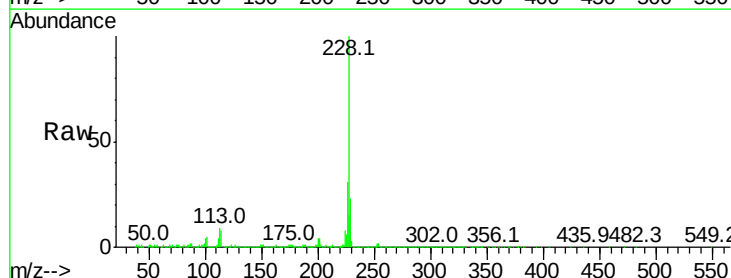
Tgt Ion:228 Resp: 949429

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

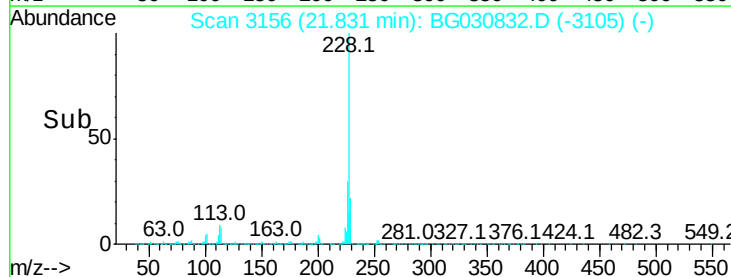
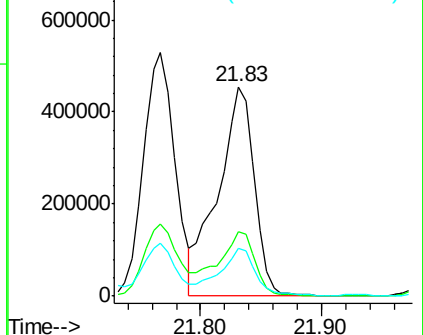
229 22.6 15.2 22.8

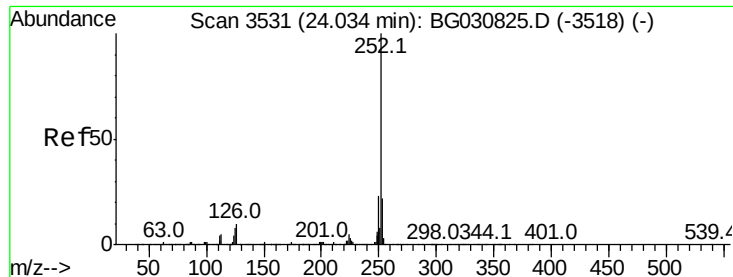


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 40.351 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. 0.02 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Instrument :

BNA_G

ClientSampleId :

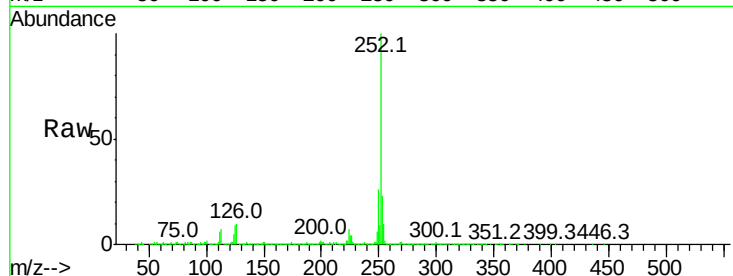
Tot Ion:252 Resp: 1457846

Ion Ratio Lower Upper

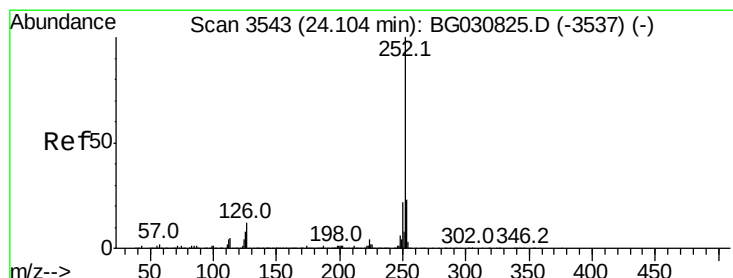
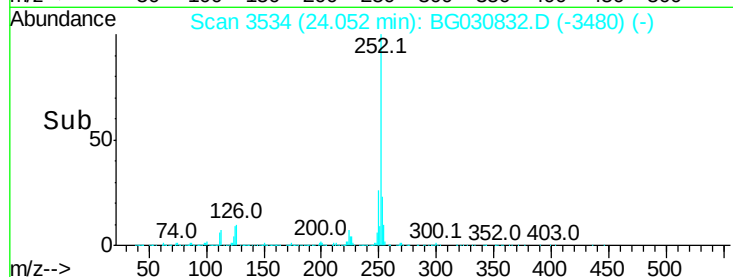
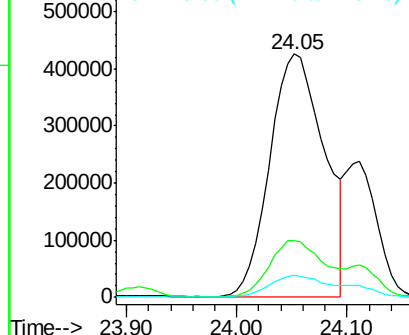
252 100

253 23.1 17.0 25.4

125 9.1 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: 13.524 ng/ul

RT: 24.11 min Scan# 3544

Delta R.T. 0.01 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

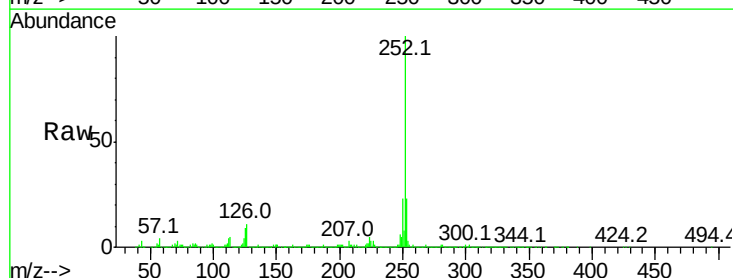
Tgt Ion:252 Resp: 472399

Ion Ratio Lower Upper

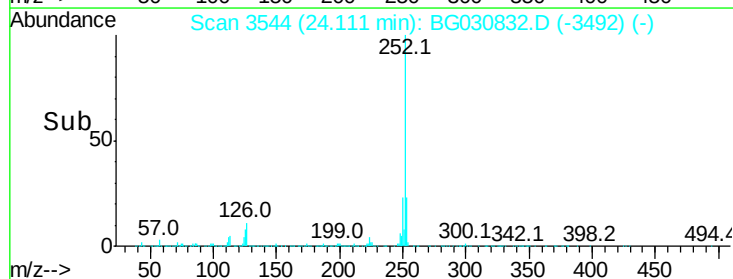
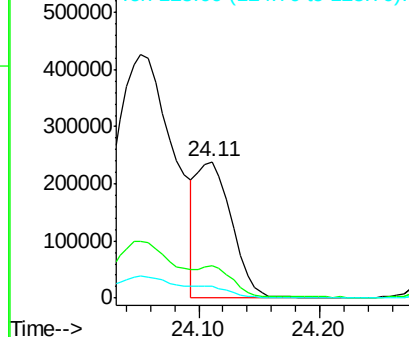
252 100

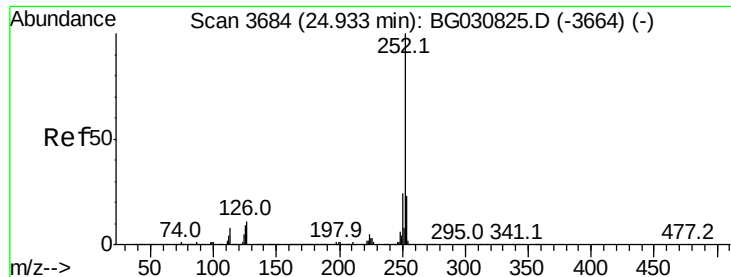
253 23.4 17.2 25.8

125 8.8 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: 22.135 ng/ul

RT: 24.95 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Instrument :

BNA_G

ClientSampleId :

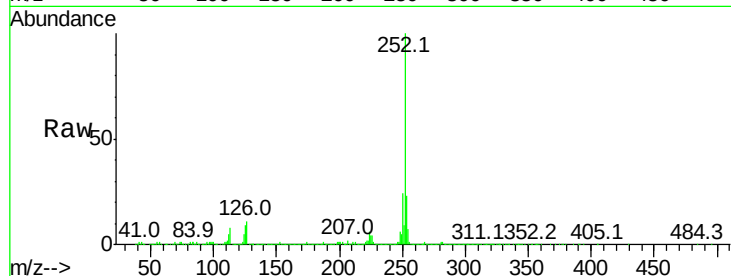
Tot Ion:252 Resp: 778440

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

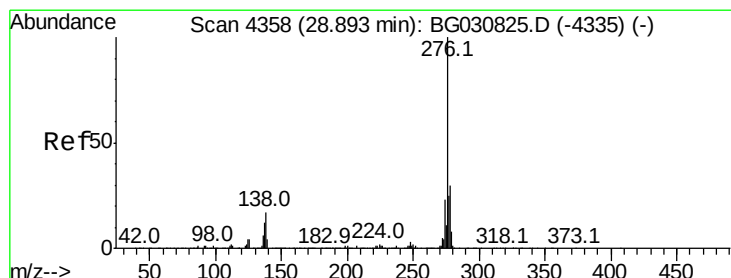
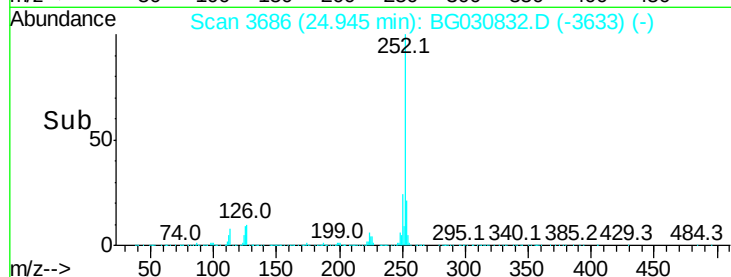
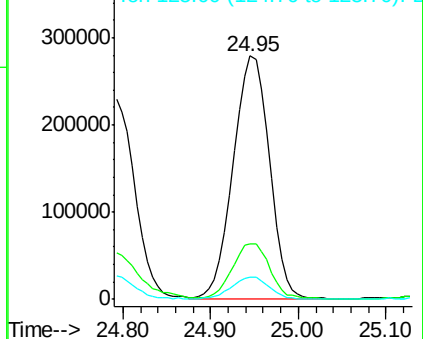
125 9.3 7.8 11.8



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: 15.102 ng/ul

RT: 28.89 min Scan# 4357

Delta R.T. -0.00 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

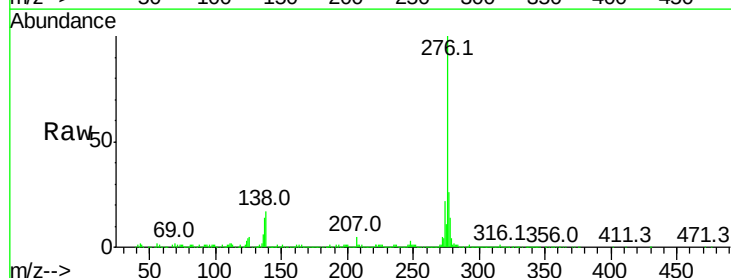
Tgt Ion:276 Resp: 600871

Ion Ratio Lower Upper

276 100

138 16.8 13.4 20.0

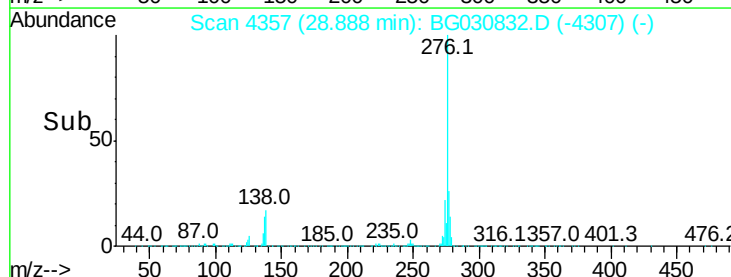
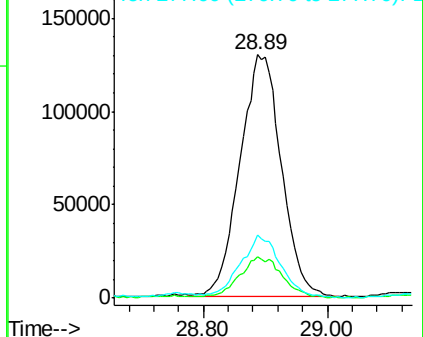
277 26.1 18.6 28.0

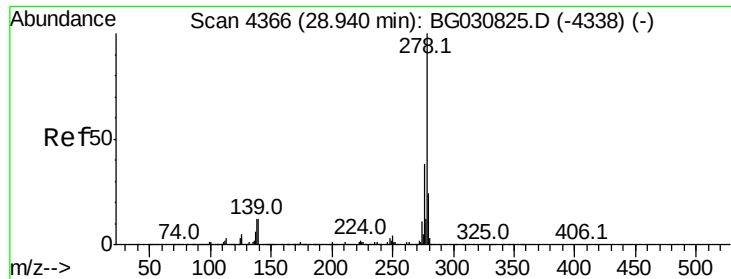


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.672 ng/ul

RT: 28.93 min Scan# 4365

Delta R.T. -0.00 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Instrument :

BNA_G

ClientSampleId :

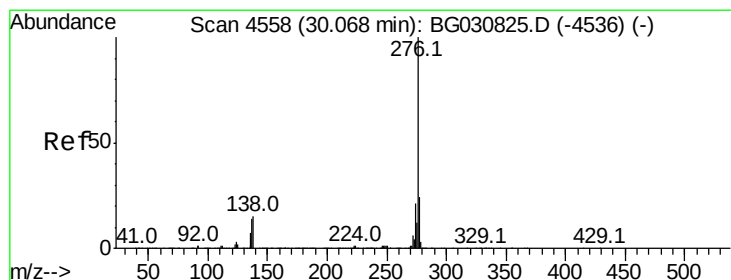
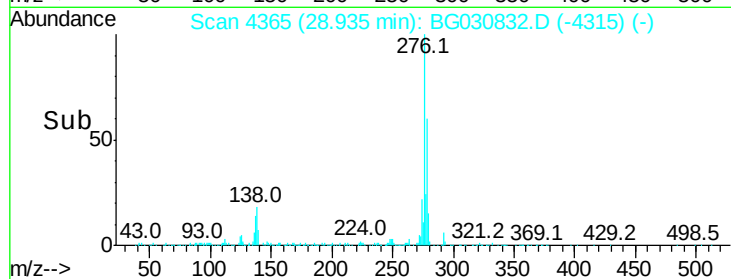
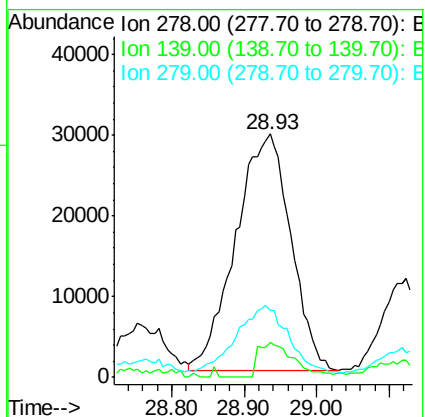
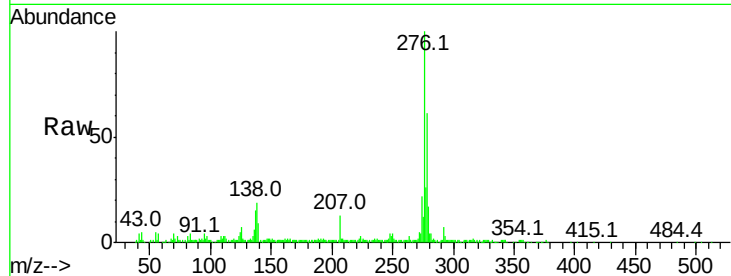
Tot Ion:278 Resp: 154421

Ion	Ratio	Lower	Upper
278	100		
139	14.4	9.4	14.2#
279	27.5	18.4	27.6

278 100

139 14.4 9.4 14.2#

279 27.5 18.4 27.6



#91

Benzo(g,h,i)perylene

Concen: 14.559 ng/ul

RT: 30.08 min Scan# 4560

Delta R.T. 0.01 min

Lab File: BG030832.D

Acq: 8 Nov 2017 6:23

Tgt Ion:276 Resp: 480181

Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.1	18.1
277	24.1	17.7	26.5

276 100

138 16.2 12.1 18.1

277 24.1 17.7 26.5

