

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110817\
 Data File : BG030873.D
 Acq On : 9 Nov 2017 8:14
 Operator : SJ/JU
 Sample : I6245-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 09 10:59:01 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 07:08:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	62934	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	302919	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	193745	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	457762	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	491334	20.00	ng/ul	0.00
83) Perylene-d12	25.09	264	519249	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	5690	3.68	ng/uL	0.00
5) Phenol-d5	7.31	99	125032	20.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	76718	20.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	108460	25.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	96038	19.69	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	57712	26.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	68691	30.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	120195	23.67	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	99188	16.81	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	398043	24.03	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	501682	24.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	50995	16.68	ng/ul	0.00
57) Fluorene-d10	15.76	176	368258	27.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	45665	20.44	ng/ul	0.00
70) Anthracene-d10	17.61	188	563372	26.02	ng/ul	0.00
76) Pyrene-d10	19.89	212	646630	25.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	666197	27.09	ng/ul	0.00

Target Compounds

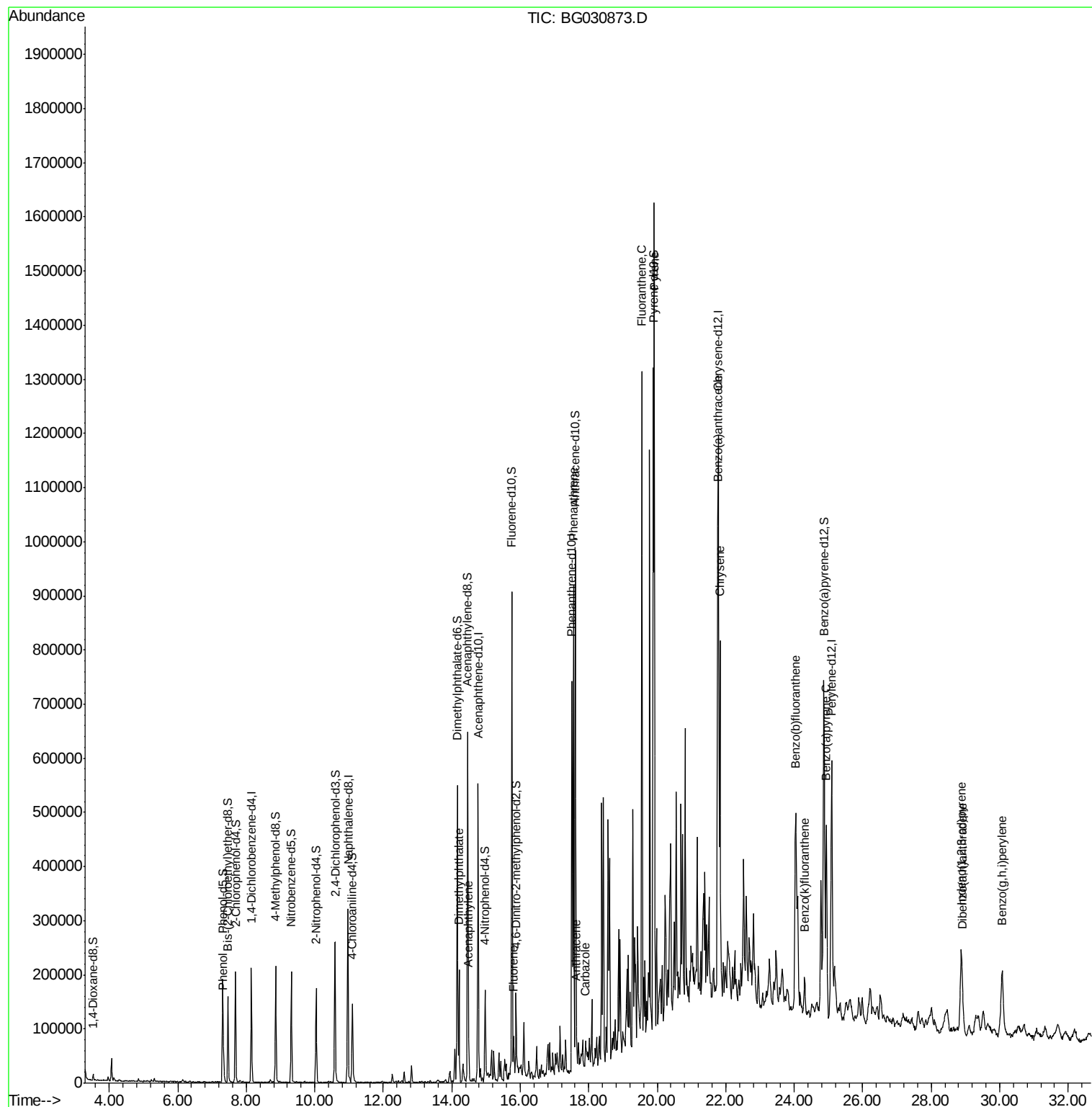
					Ovalue
6) Phenol	7.34	94	22107	3.537	ng/ul# 90
44) Dimethylphthalate	14.21	163	142526	8.822	ng/ul 99
47) Acenaphthylene	14.49	152	58020	2.823	ng/ul 96
58) Fluorene	15.81	166	28517	1.860	ng/ul# 96
69) Phenanthrene	17.55	178	600831	24.280	ng/ul 99
71) Anthracene	17.64	178	56445	2.211	ng/ul 99
72) Carbazole	17.91	167	23582	1.028	ng/ul 97
74) Fluoranthene	19.55	202	766263	27.707	ng/ul 99
77) Pyrene	19.92	202	962899	29.241	ng/ul 100
80) Benzo(a)anthracene	21.76	228	432200	14.036	ng/ul 97
82) Chrysene	21.83	228	509892	18.225	ng/ul 96
85) Benzo(b)fluoranthene	24.05	252	505947	16.231	ng/ul 98
86) Benzo(k)fluoranthene	24.30	252	75547	2.507	ng/ul 93
88) Benzo(a)pyrene	24.93	252	390418	12.867	ng/ul 95
89) Indeno(1,2,3-cd)pyrene	28.88	276	257398	7.498	ng/ul 97
90) Dibenzo(a,h)anthracene	28.91	278	75425	2.645	ng/ul# 82
91) Benzo(g,h,i)perylene	30.07	276	238971	8.398	ng/ul# 93

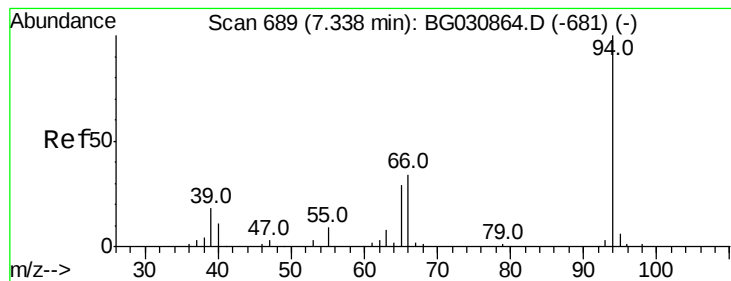
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 3.537 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

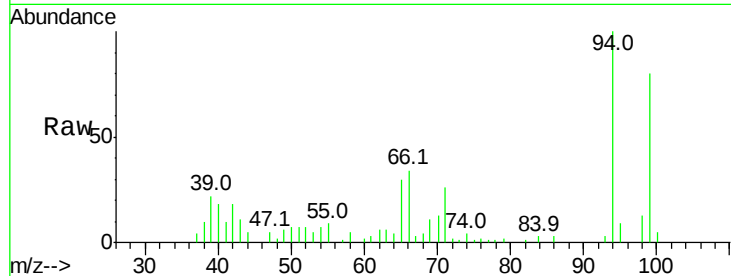
Tot Ion: 94 Resp: 22107

Ion Ratio Lower Upper

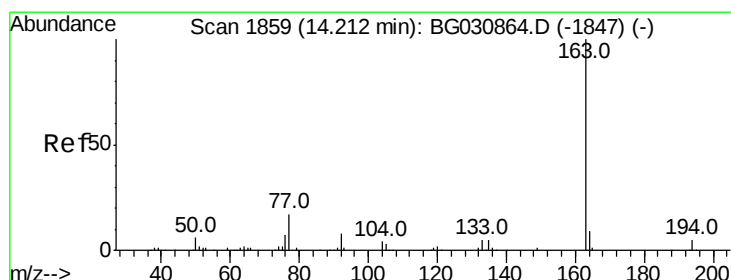
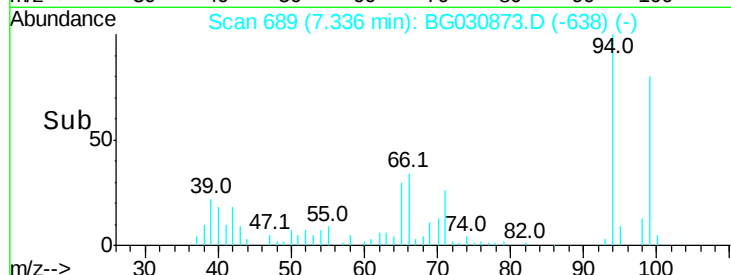
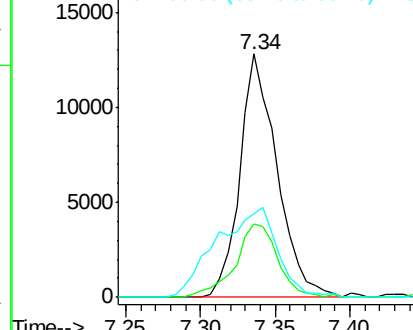
94 100

65 30.4 27.1 40.7

66 34.5 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: 8.822 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

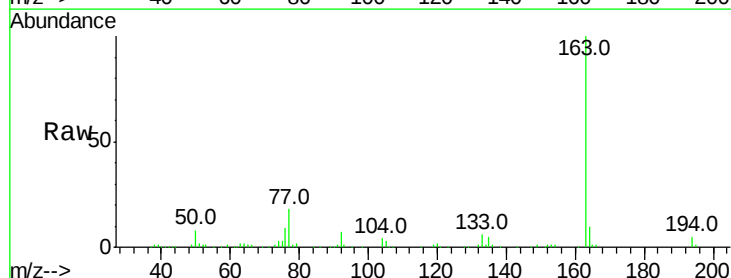
Tgt Ion:163 Resp: 142526

Ion Ratio Lower Upper

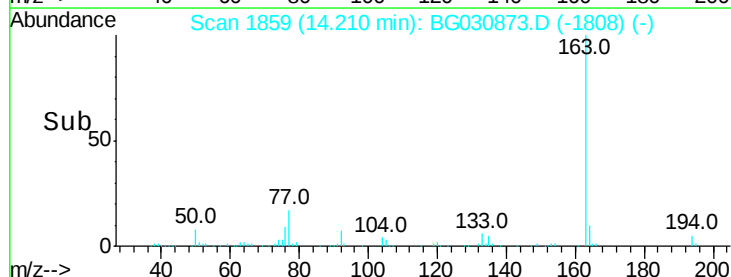
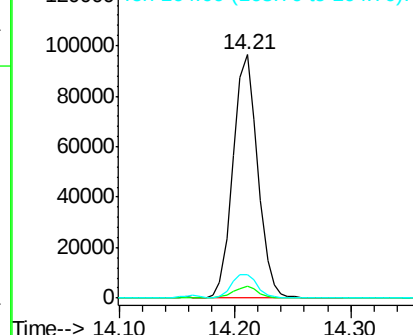
163 100

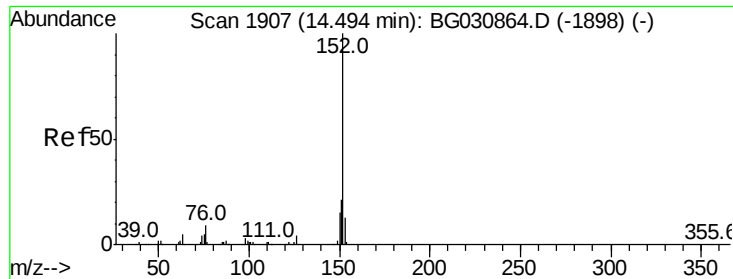
194 4.9 3.5 5.3

164 9.8 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: 2.823 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG030873.D

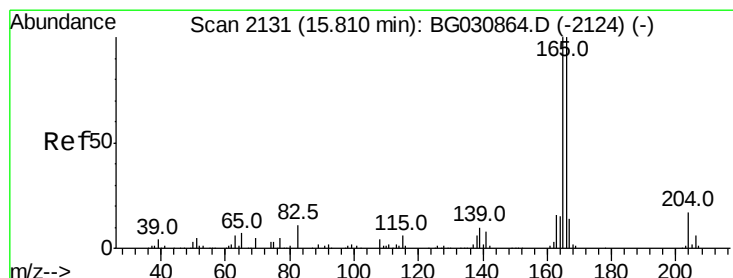
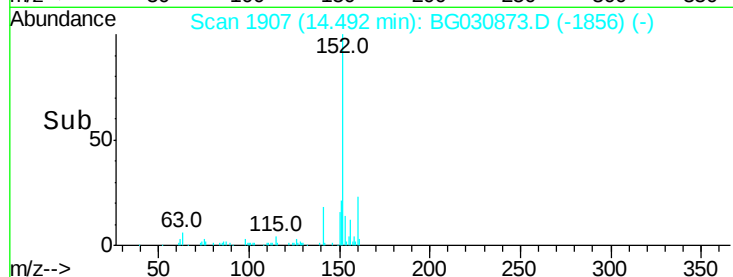
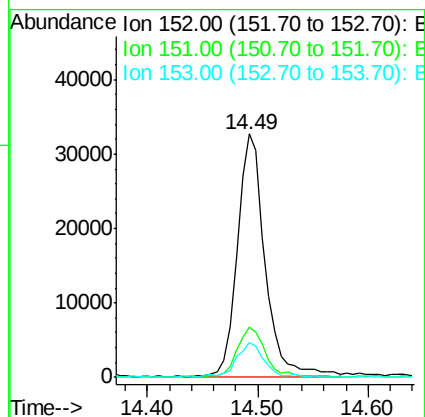
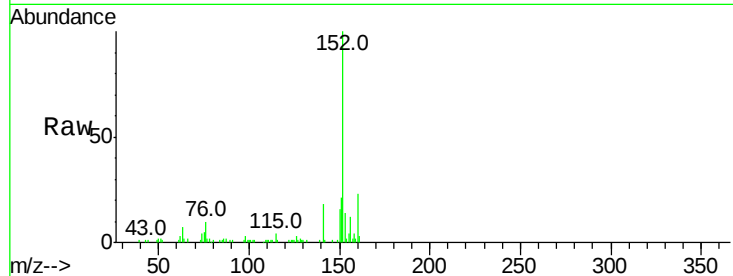
Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	152	Resp:	58020
Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.2	22.8
153	14.4	10.2	15.4



#58

Fluorene

Concen: 1.860 ng/ul

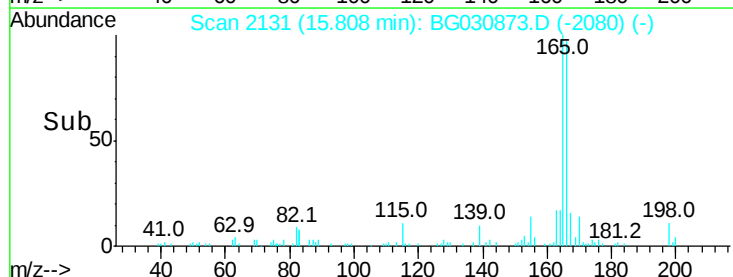
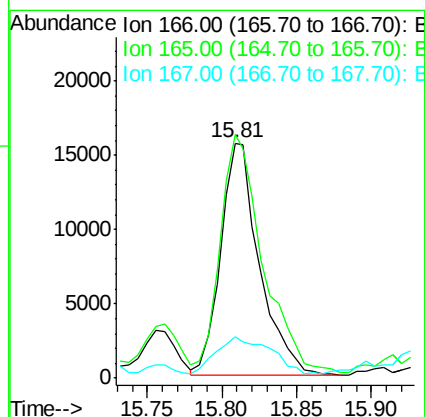
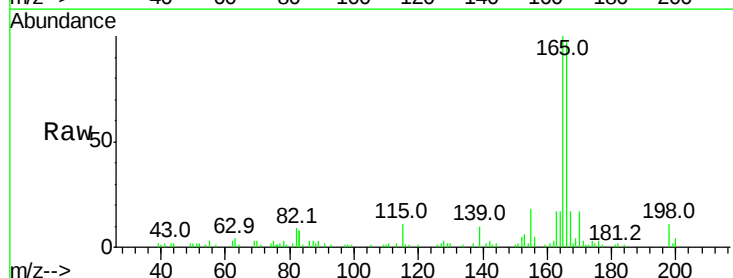
RT: 15.81 min Scan# 2131

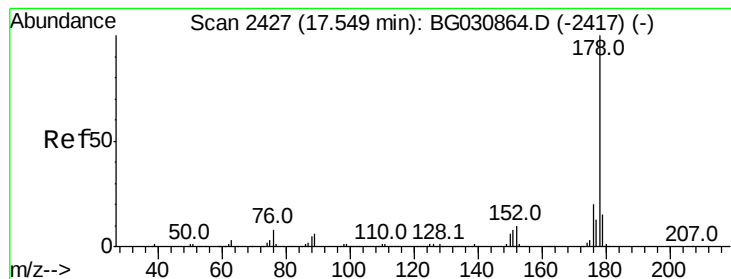
Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Tgt Ion:	166	Resp:	28517
Ion	Ratio	Lower	Upper
166	100		
165	103.5	79.9	119.9
167	17.4	10.6	16.0#





#69

Phenanthrene

Concen: 24.280 ng/ul

RT: 17.55 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

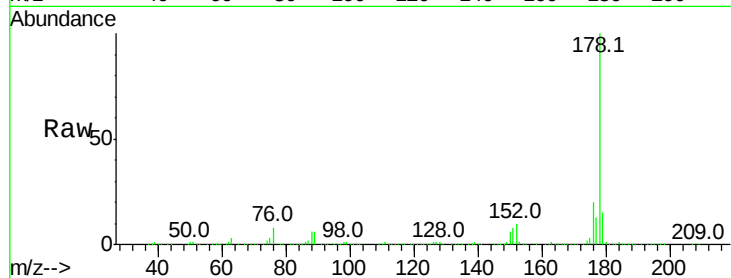
Tot Ion:178 Resp: 600831

Ion Ratio Lower Upper

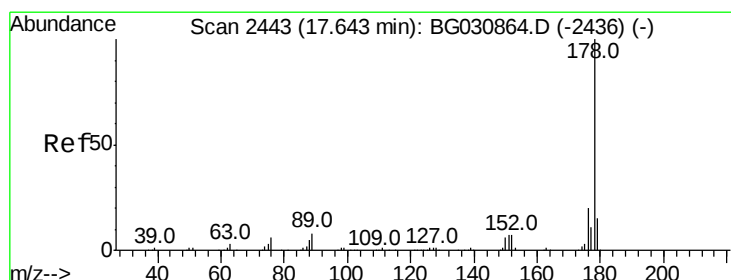
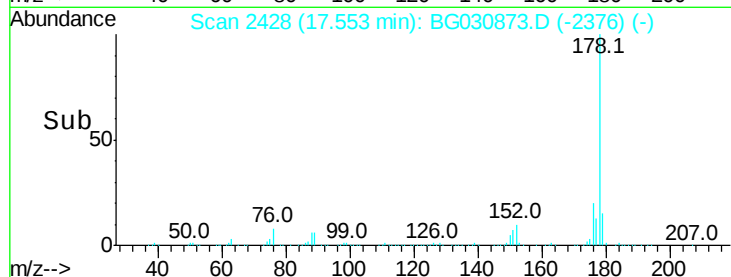
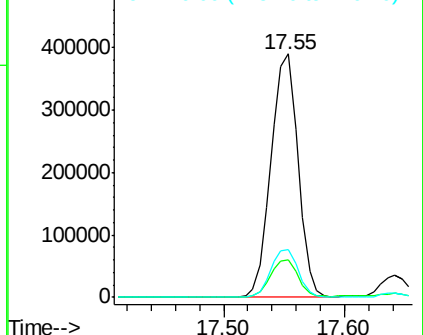
178 100

179 15.4 13.0 19.6

176 19.5 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: 2.211 ng/ul

RT: 17.64 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

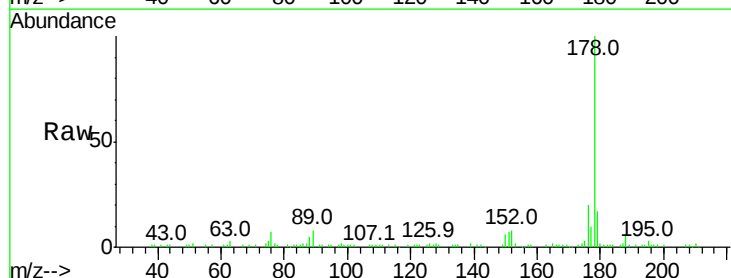
Tgt Ion:178 Resp: 56445

Ion Ratio Lower Upper

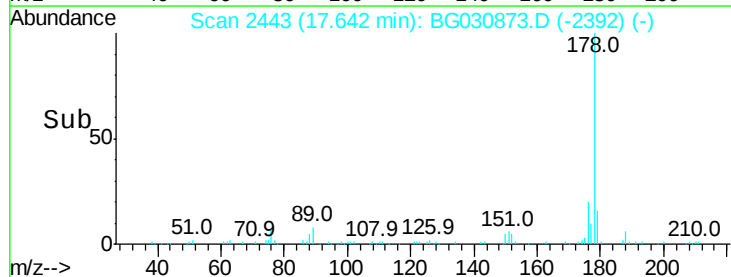
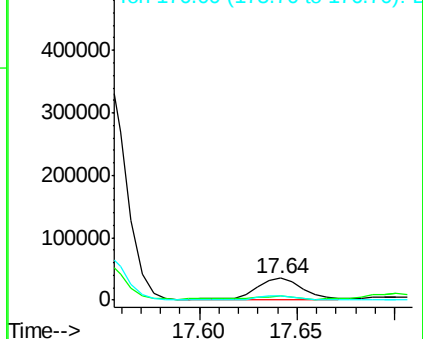
178 100

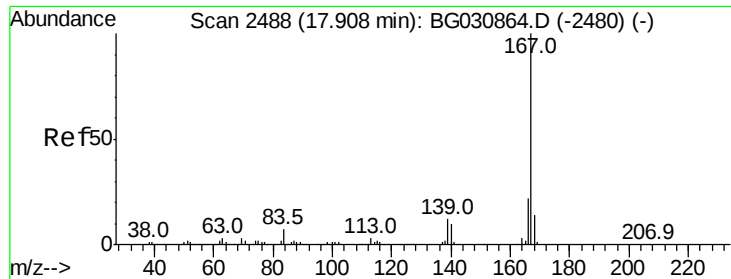
179 16.7 13.2 19.8

176 20.3 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: 1.028 ng/ul

RT: 17.91 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

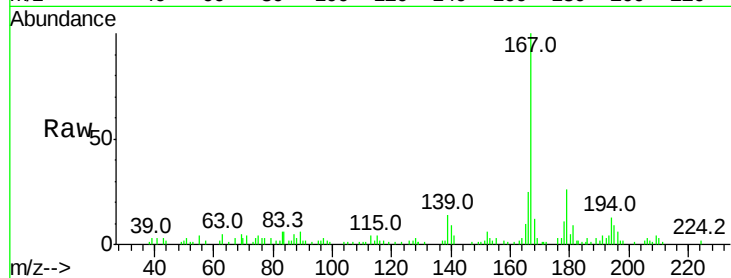
Tot Ion:167 Resp: 23582

Ion Ratio Lower Upper

167 100

166 24.9 18.6 28.0

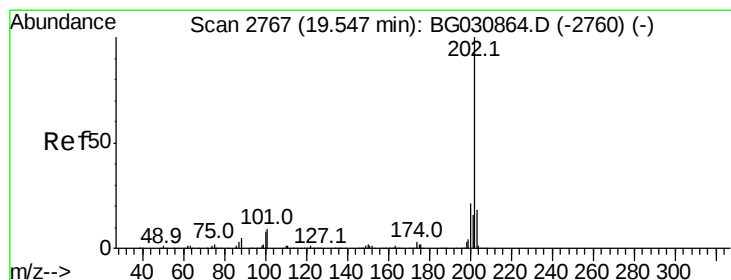
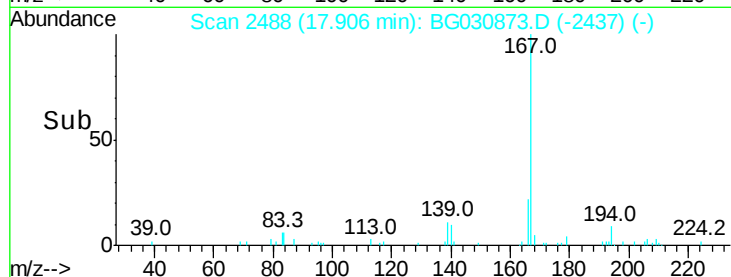
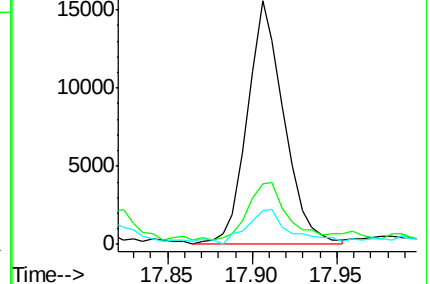
139 13.9 10.6 16.0



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: 27.707 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

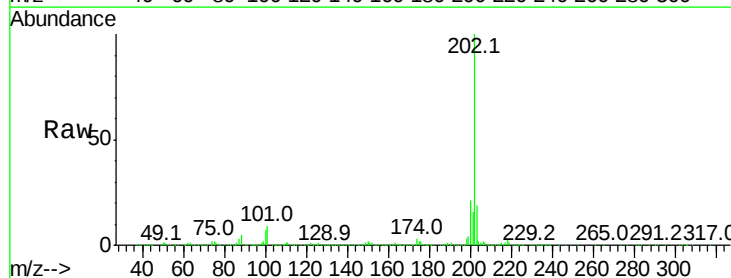
Tgt Ion:202 Resp: 766263

Ion Ratio Lower Upper

202 100

101 8.7 7.4 11.2

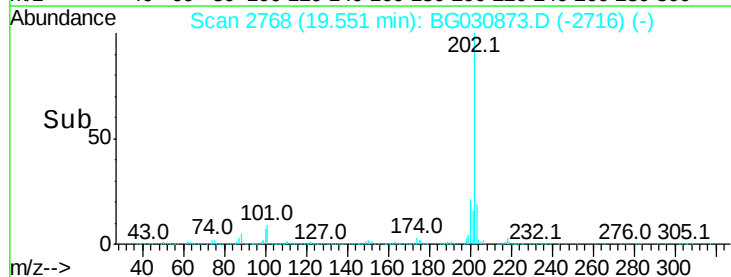
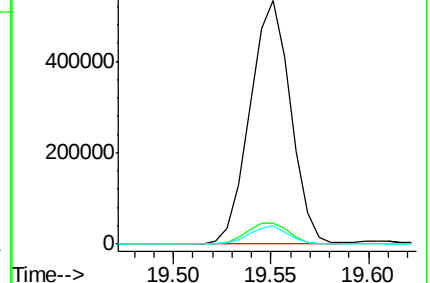
100 7.3 5.6 8.4

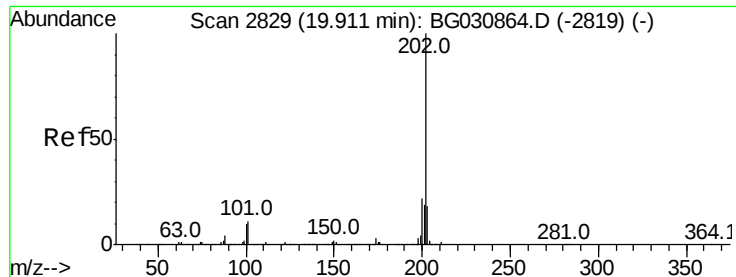


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 29.241 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

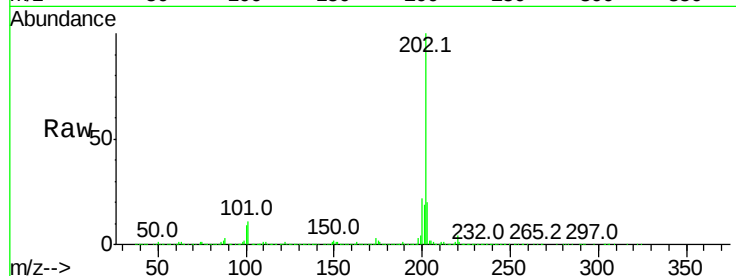
Tot Ion:202 Resp: 962899

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

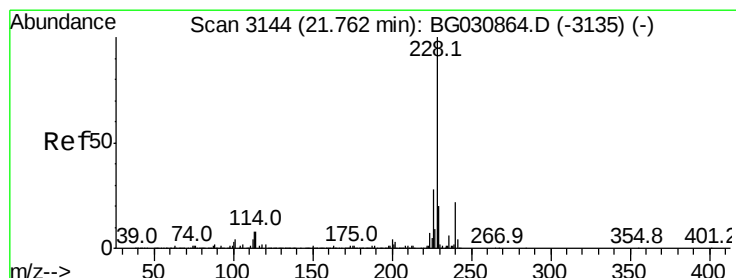
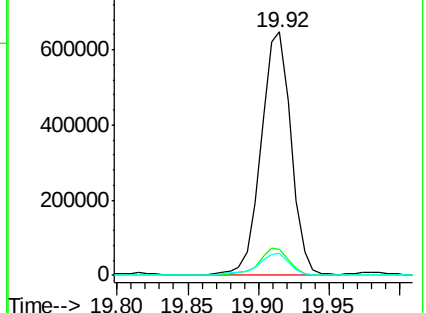
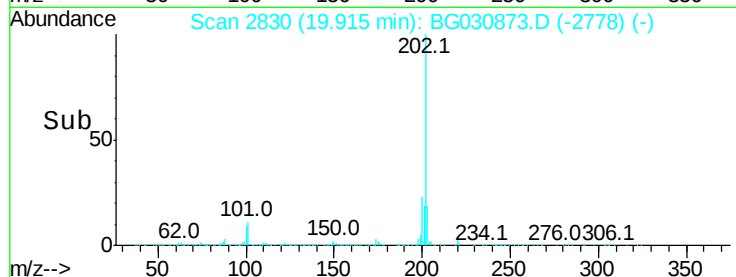
100 9.0 7.0 10.6



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: 14.036 ng/ul

RT: 21.76 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

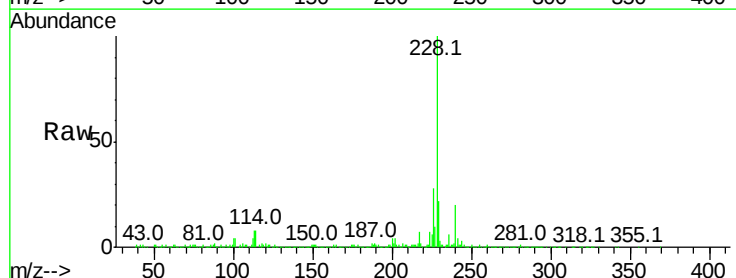
Tgt Ion:228 Resp: 432200

Ion Ratio Lower Upper

228 100

229 22.3 16.2 24.4

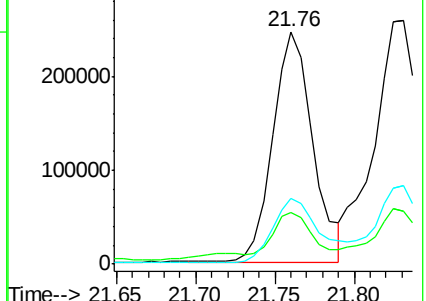
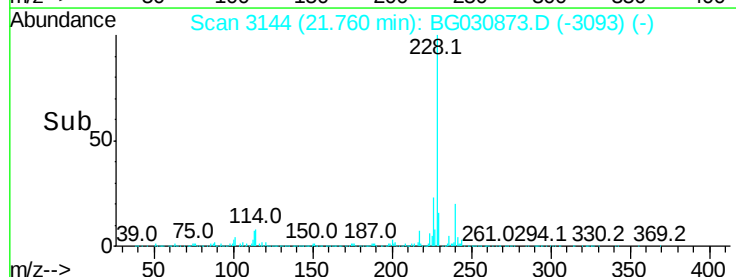
226 28.5 22.2 33.2

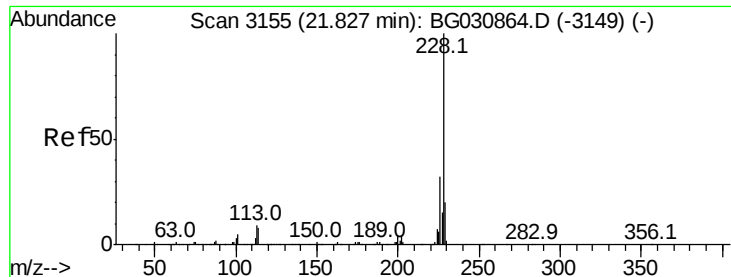


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 18.225 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

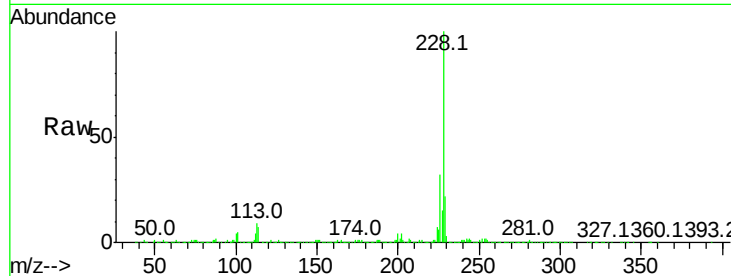
Tot Ion:228 Resp: 509892

Ion Ratio Lower Upper

228 100

226 32.0 24.2 36.2

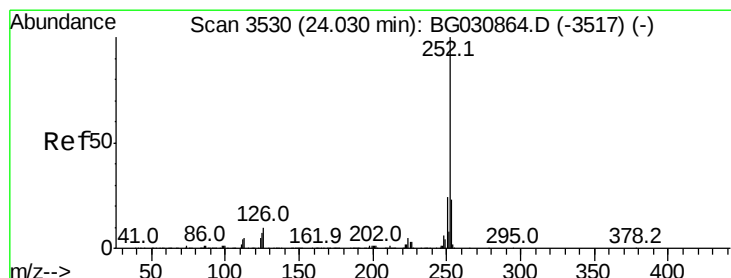
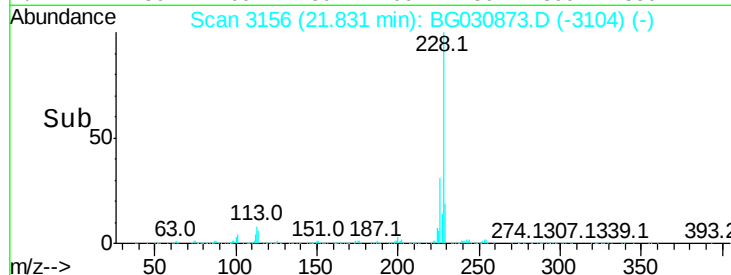
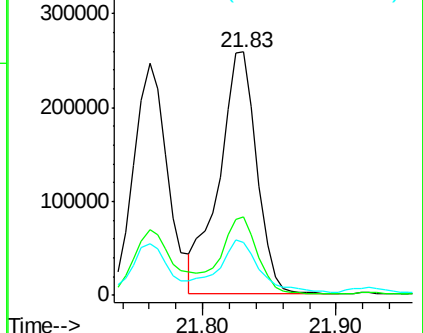
229 21.8 15.2 22.8



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: 16.231 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. 0.02 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

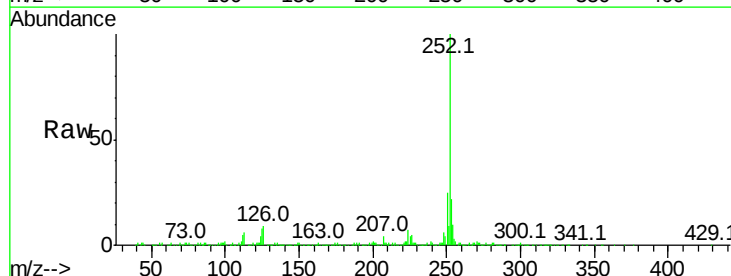
Tgt Ion:252 Resp: 505947

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.4

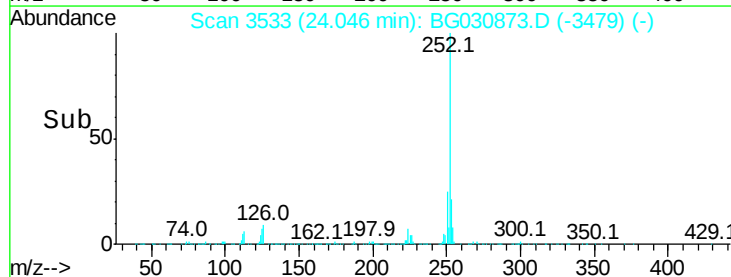
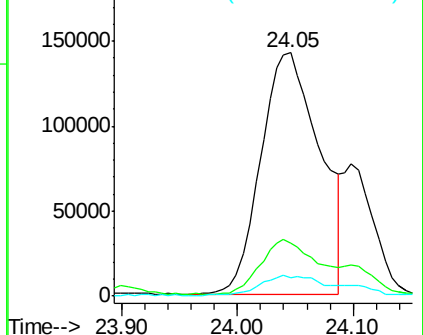
125 7.5 7.5 11.3

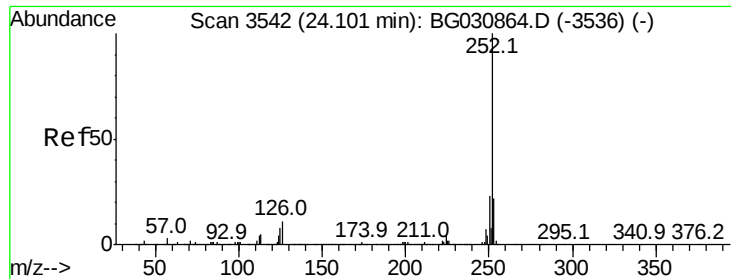


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 2.507 ng/ul

RT: 24.30 min Scan# 3576

Delta R.T. 0.20 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

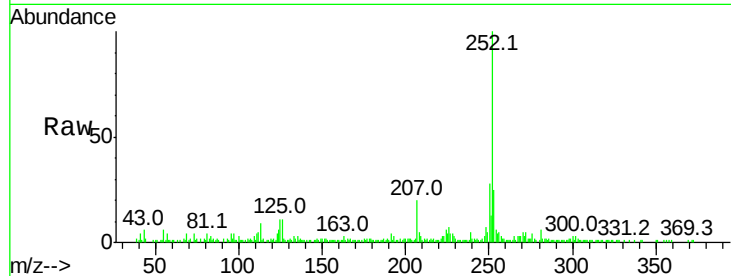
Tot Ion:252 Resp: 75547

Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

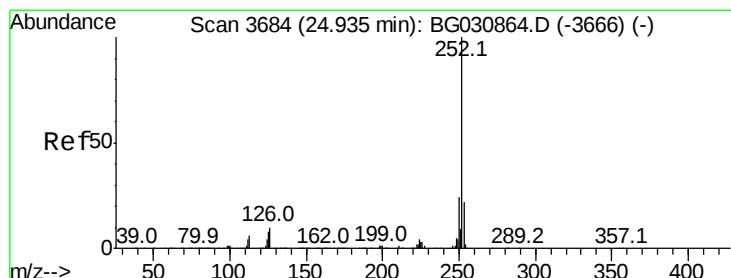
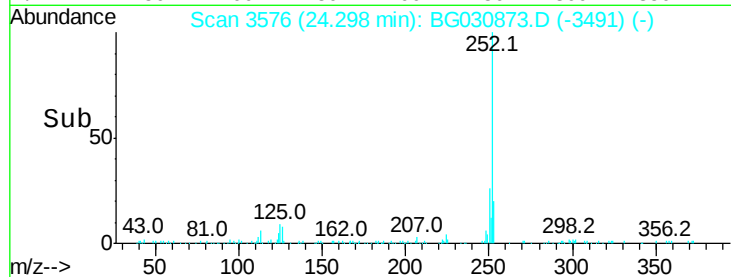
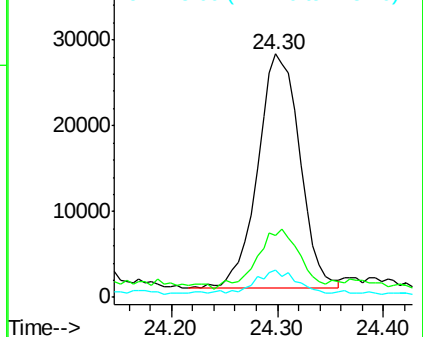
125 11.0 7.8 11.8



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: 12.867 ng/ul

RT: 24.93 min Scan# 3684

Delta R.T. -0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

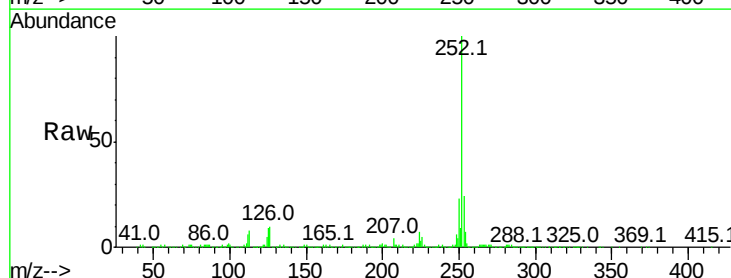
Tgt Ion:252 Resp: 390418

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

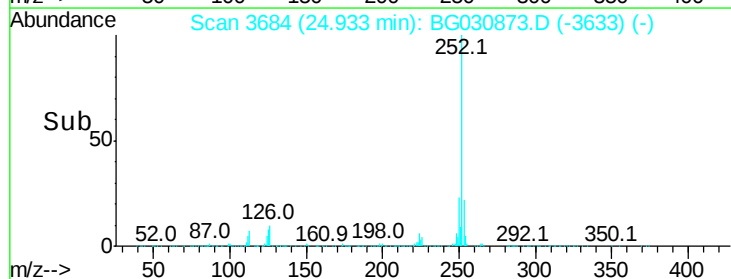
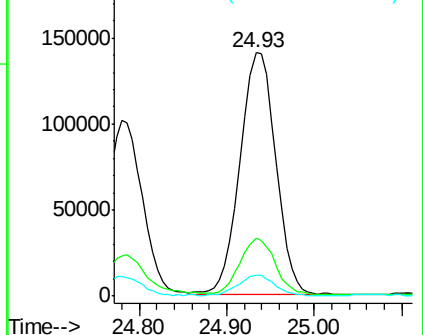
125 8.6 7.8 11.8

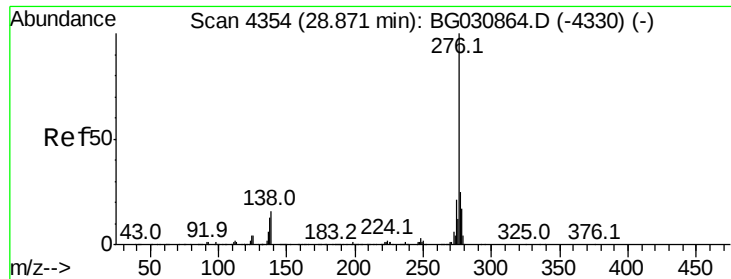


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



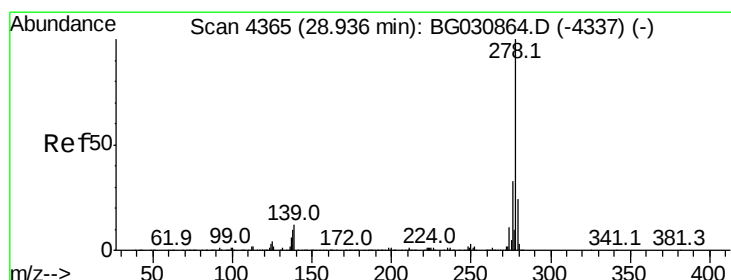
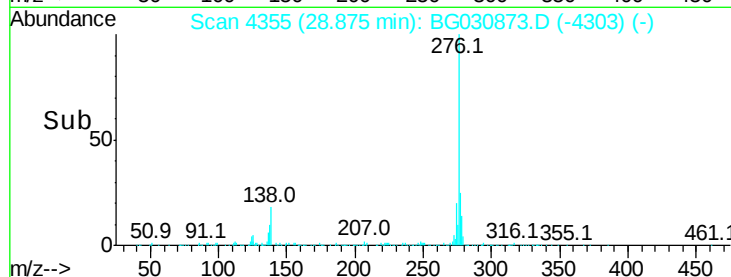
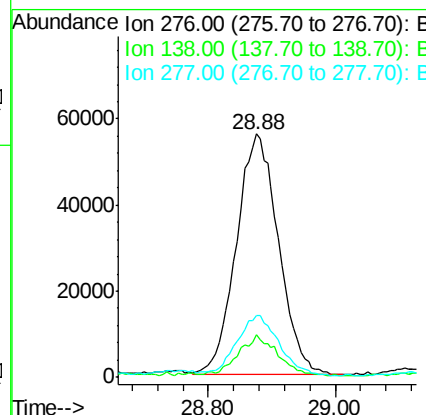
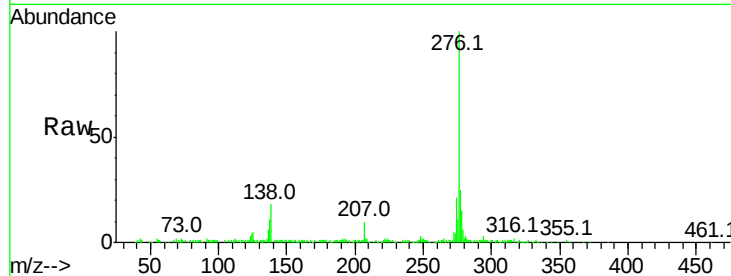


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.498 ng/ul
RT: 28.88 min Scan# 4355
Delta R.T. 0.00 min
Lab File: BG030873.D
Acq: 9 Nov 2017 8:14

Instrument :
BNA_G
ClientSampleId :

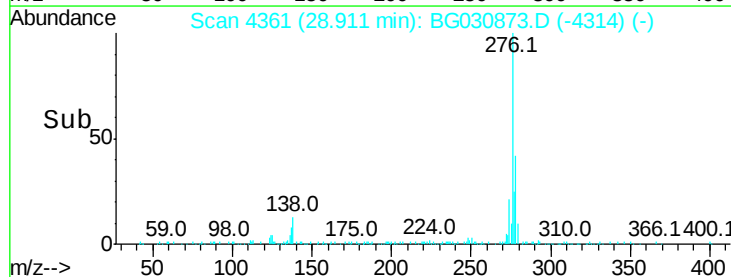
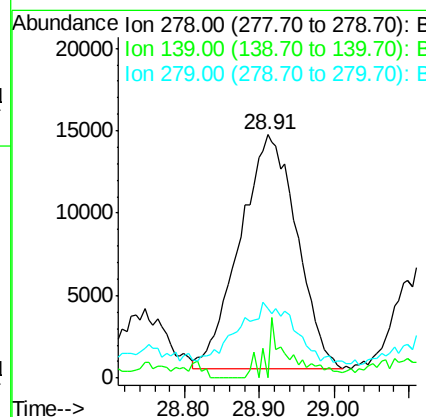
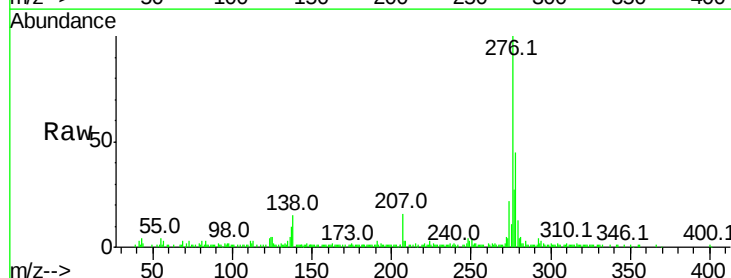
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.4	20.0
277	25.4	18.6	28.0

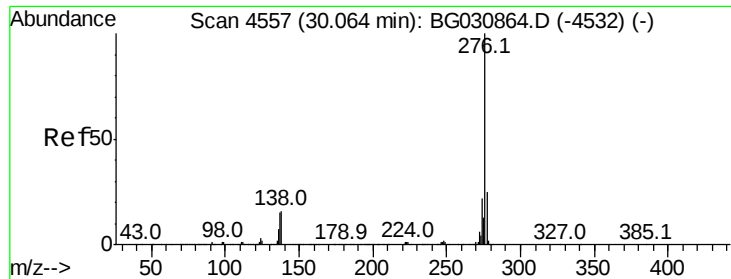


#90

Dibenzo(a,h)anthracene
Concen: 2.645 ng/ul
RT: 28.91 min Scan# 4361
Delta R.T. -0.03 min
Lab File: BG030873.D
Acq: 9 Nov 2017 8:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.4	14.2#
279	28.3	18.4	27.6#





#91

Benzo(a,h,i)perylene

Concen: 8.398 ng/ul

RT: 30.07 min Scan# 4558

Delta R.T. 0.00 min

Lab File: BG030873.D

Acq: 9 Nov 2017 8:14

Instrument :

BNA_G

ClientSampleId :

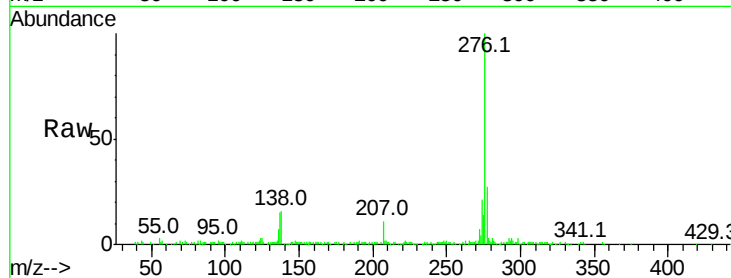
Tot Ion:276 Resp: 238971

Ion Ratio Lower Upper

276 100

138 15.8 12.1 18.1

277 27.2 17.7 26.5#



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

