

Data File : BG030750.D
Acq On : 5 Nov 2017 22:29
Operator : SJ/JU
Sample : I6107-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0E81

Quant Time: Nov 06 01:27:17 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	74646	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	333656	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	217346	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	537353	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	615068	20.00	ng/ul	0.00
83) Perylene-d12	25.08	264	629146	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	8033	4.37	ng/uL	0.00
5) Phenol-d5	7.38	99	1203	0.17	ng/ul	0.07
7) Bis-(2-Chloroethyl)ether-d	7.46	67	101805	22.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	139859	27.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	133622	23.09	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	69708	29.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	83135	33.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.58	165	153779	27.50	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	139265	21.43	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	514369	27.68	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	639681	28.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	81862	23.86	ng/ul	0.00
57) Fluorene-d10	15.75	176	488993	32.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.87	200	80270	30.60	ng/ul	0.00
70) Anthracene-d10	17.61	188	770215	30.31	ng/ul	0.00
76) Pyrene-d10	19.88	212	932441	29.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.86	264	957761	32.14	ng/ul	0.00

Target Compounds				Qvalue		
6) Phenol	7.34	94	12904	1.74	ng/ul#	88
44) Dimethylphthalate	14.21	163	300260	16.57	ng/ul	98
58) Fluorene	15.81	166	19805	1.15	ng/ul	94
69) Phenanthrene	17.55	178	294609	10.14	ng/ul	98
71) Anthracene	17.64	178	74920	2.50	ng/ul	97
72) Carbazole	17.91	167	35523	1.32	ng/ul#	96
74) Fluoranthene	19.54	202	445077	13.71	ng/ul	98
77) Pyrene	19.91	202	365645	8.87	ng/ul	99
80) Benzo(a)anthracene	21.75	228	230039	5.97	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.64	149	26841	1.11	ng/ul#	97
82) Chrysene	21.82	228	198606	5.67	ng/ul	96
85) Benzo(b)fluoranthene	24.03	252	257008	6.80	ng/ul	95
86) Benzo(k)fluoranthene	24.09	252	89806	2.46	ng/ul	94
88) Benzo(a)pyrene	24.92	252	183878	5.00	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.85	276	143442	3.45	ng/ul	93
90) Dibenzo(a,h)anthracene	28.90	278	40027	1.16	ng/ul#	84
91) Benzo(g,h,i)perylene	30.03	276	127358	3.69	ng/ul#	94

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

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ALS Vial : 17 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

B0E81

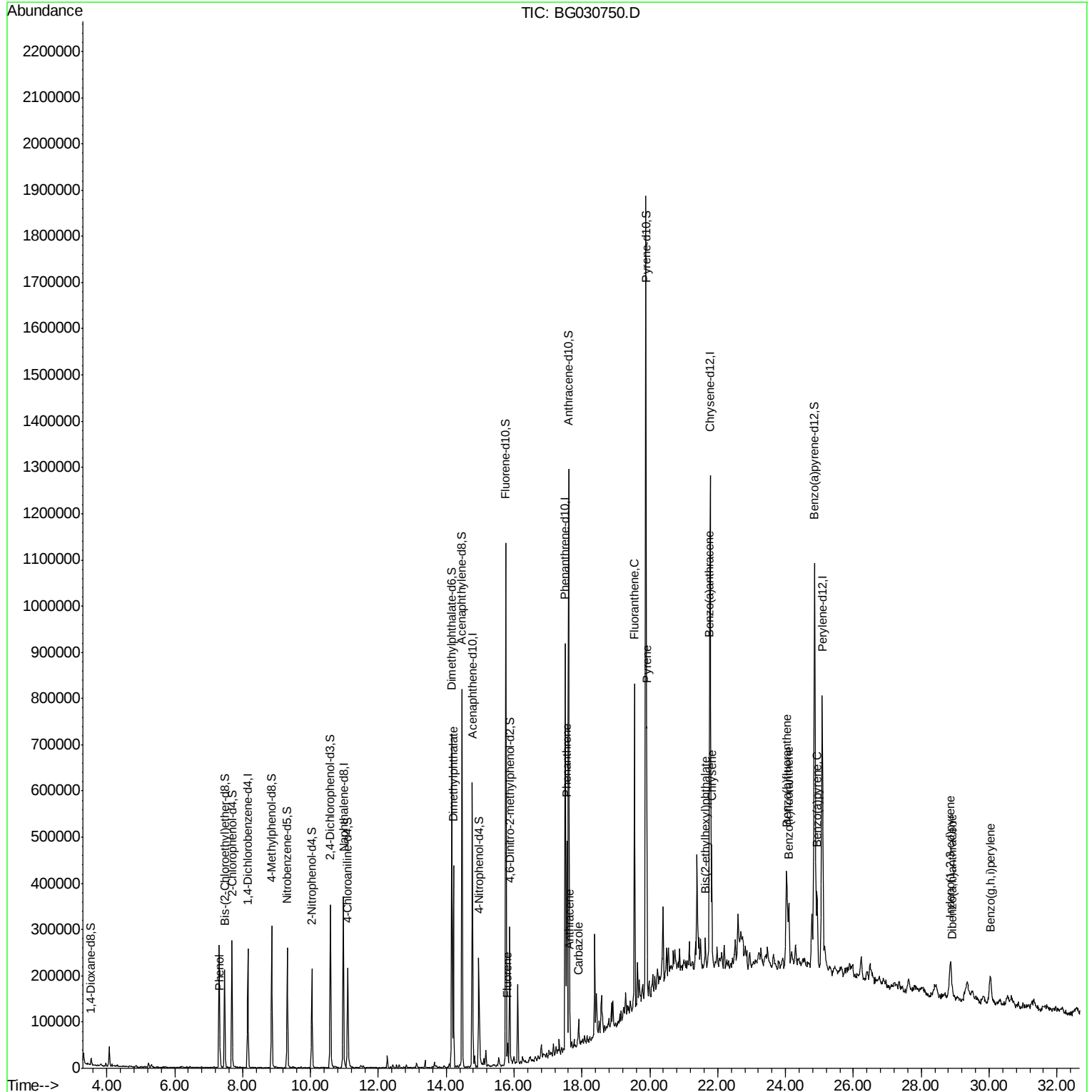
Quant Time: Nov 06 01:27:17 2017

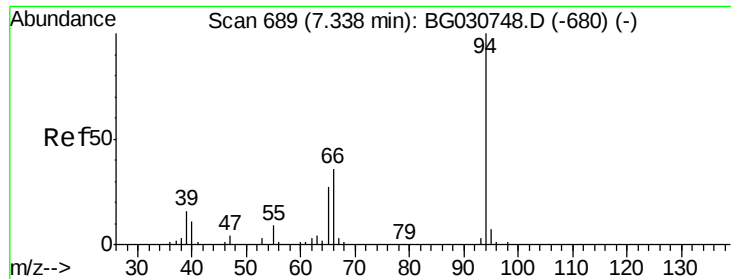
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Nov 06 01:27:00 2017

Response via : Initial Calibration





#6

Phenol

Concen: 1.74 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

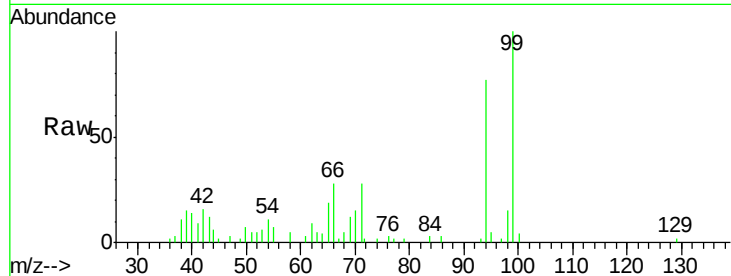
Tgt Ion: 94 Resp: 12904

Ion Ratio Lower Upper

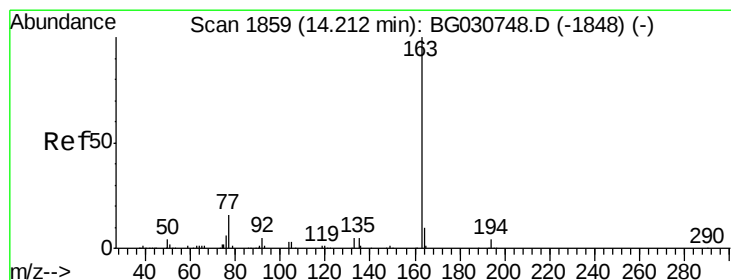
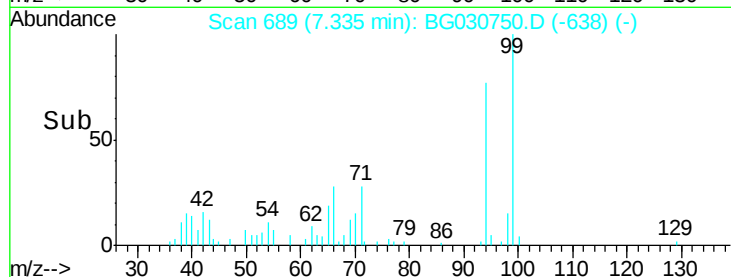
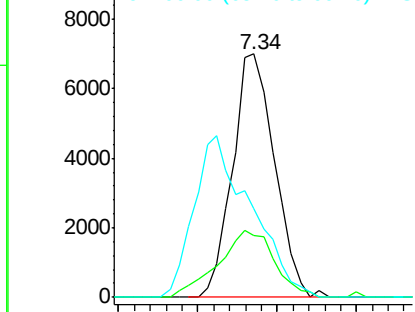
94 100

65 25.2 27.1 40.7#

66 36.6 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: 16.57 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

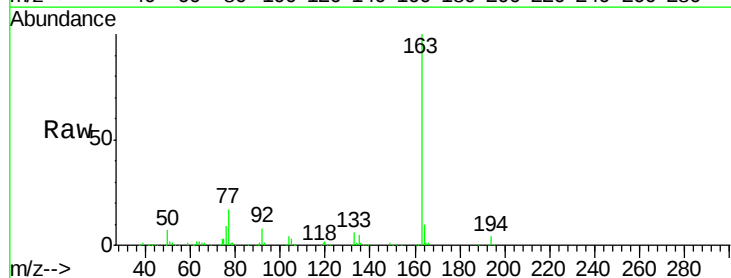
Tgt Ion:163 Resp: 300260

Ion Ratio Lower Upper

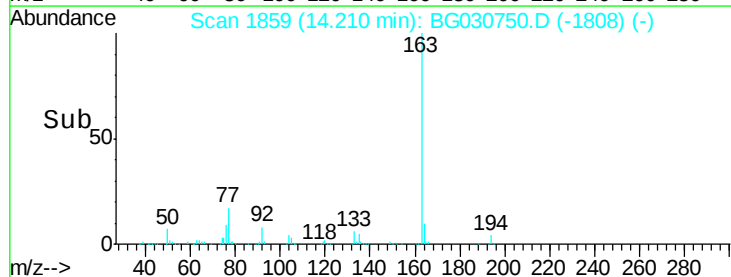
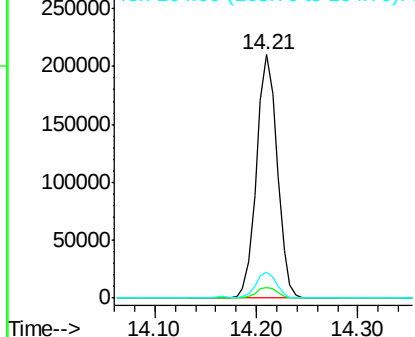
163 100

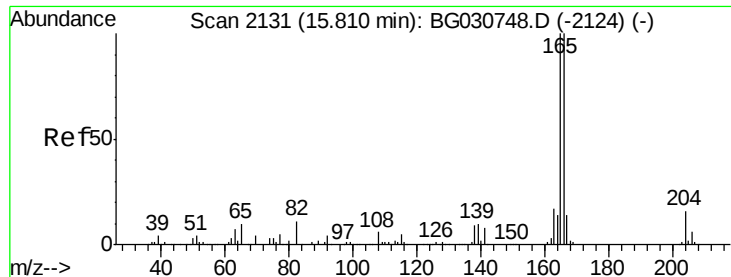
194 4.2 3.5 5.3

164 10.5 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





#58

Fluorene

Concen: 1.15 ng/ul

RT: 15.81 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

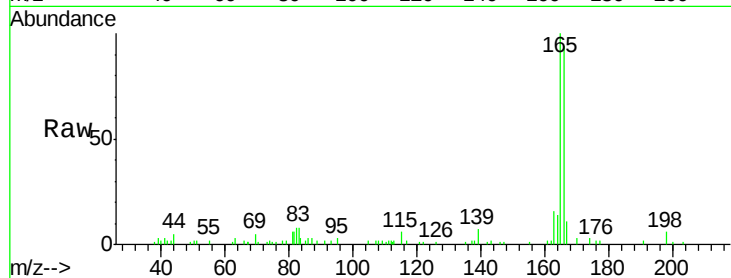
Tgt Ion:166 Resp: 19805

Ion Ratio Lower Upper

166 100

165 105.9 79.9 119.9

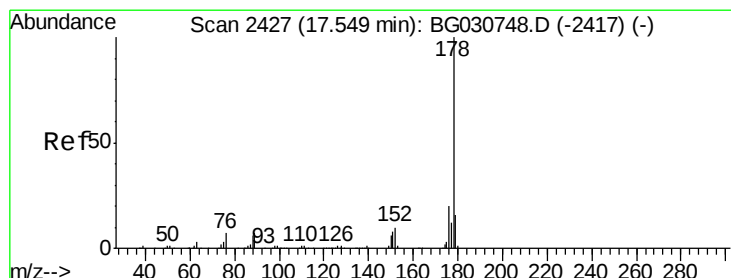
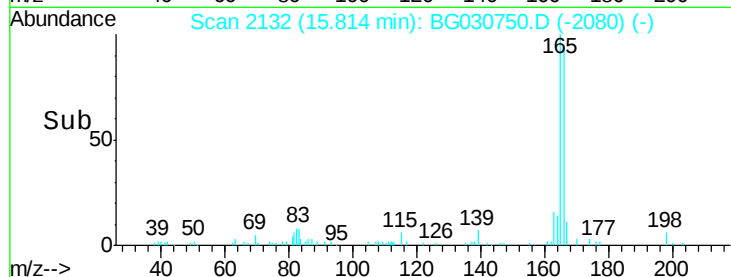
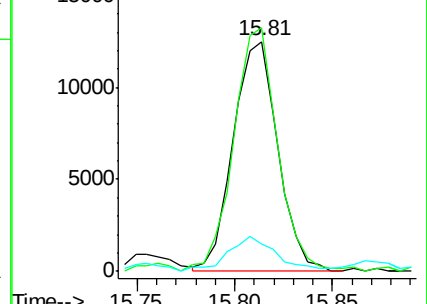
167 11.6 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 10.14 ng/ul

RT: 17.55 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

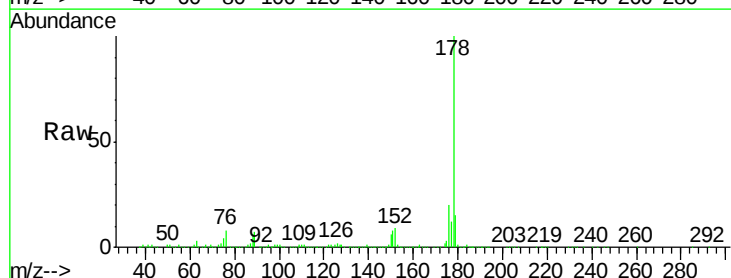
Tgt Ion:178 Resp: 294609

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.6

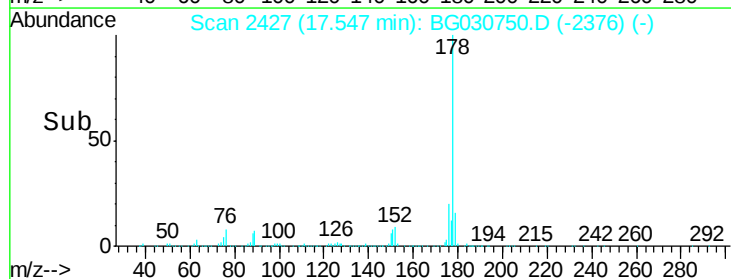
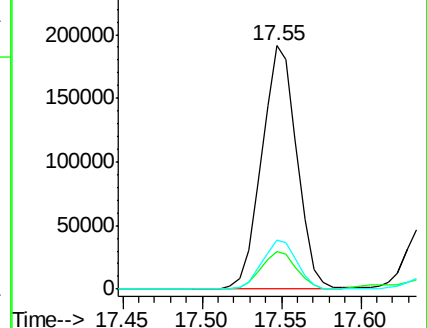
176 20.0 15.3 22.9

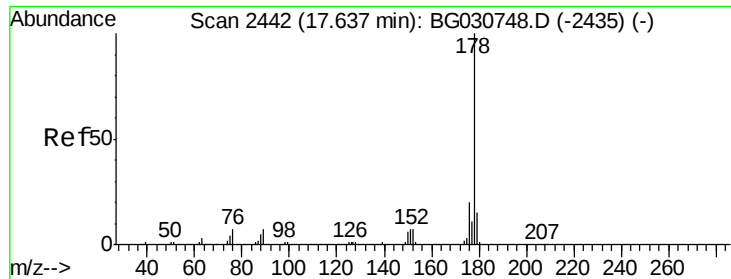


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

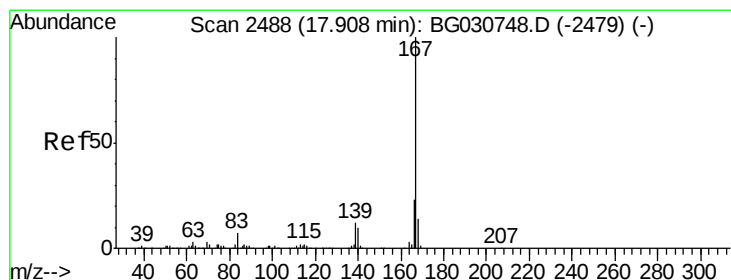
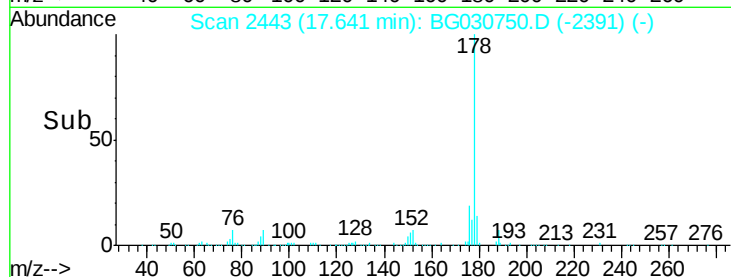
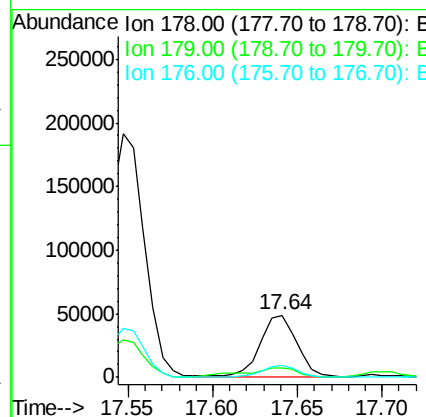
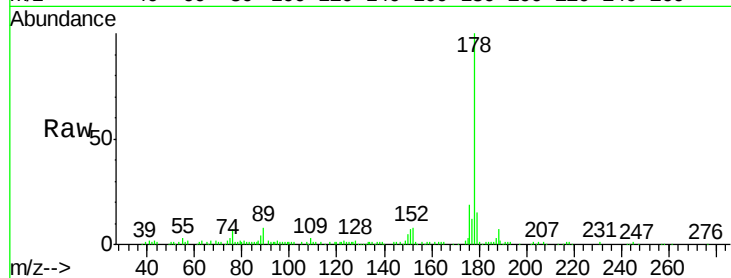




#71
 Anthracene
 Concen: 2.50 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG030750.D
 Acq: 5 Nov 2017 22:29

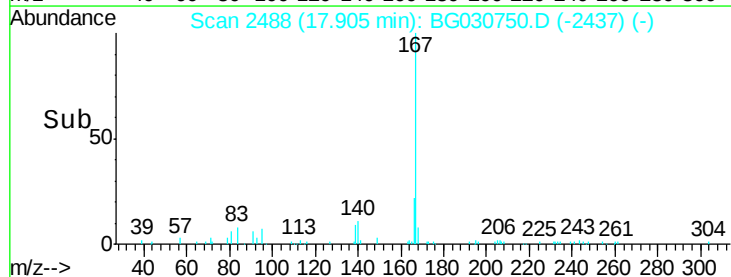
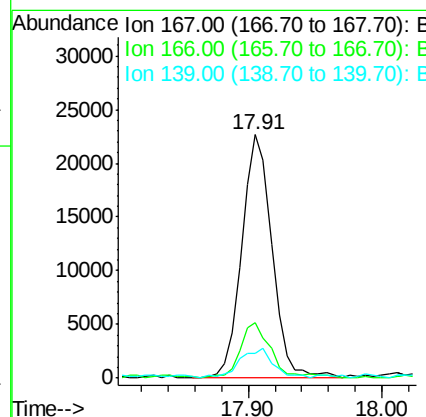
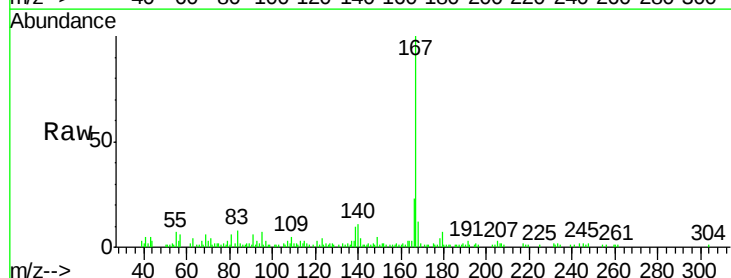
Instrument :
 BNA_G
 ClientSampled :
 B0E81

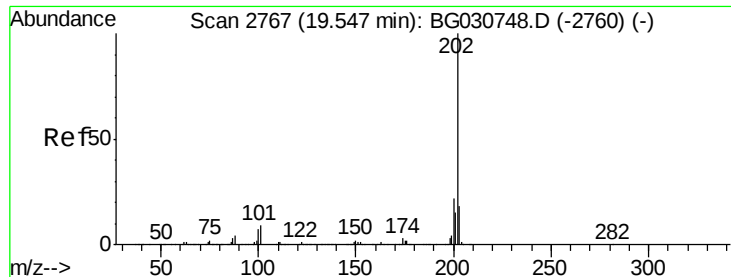
Tgt Ion:178 Resp: 74920
 Ion Ratio Lower Upper
 178 100
 179 14.7 13.2 19.8
 176 19.2 16.0 24.0



#72
 Carbazole
 Concen: 1.32 ng/ul
 RT: 17.91 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: BG030750.D
 Acq: 5 Nov 2017 22:29

Tgt Ion:167 Resp: 35523
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.6 28.0
 139 9.9 10.6 16.0#





#74

Fluoranthene

Concen: 13.71 ng/ul

RT: 19.54 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

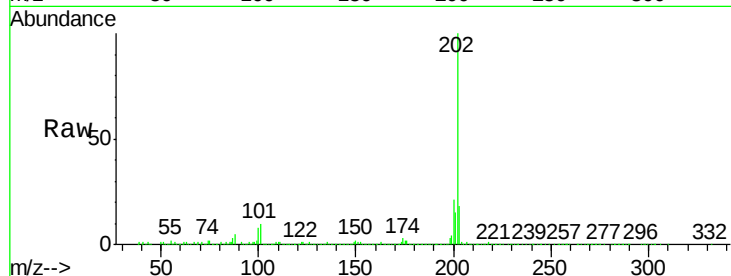
Tgt Ion:202 Resp: 445077

Ion Ratio Lower Upper

202 100

101 9.6 7.4 11.2

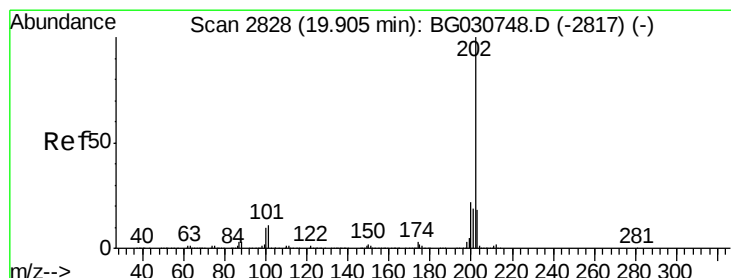
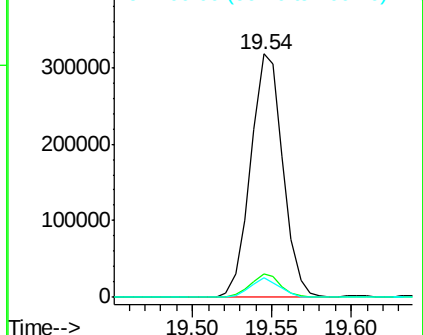
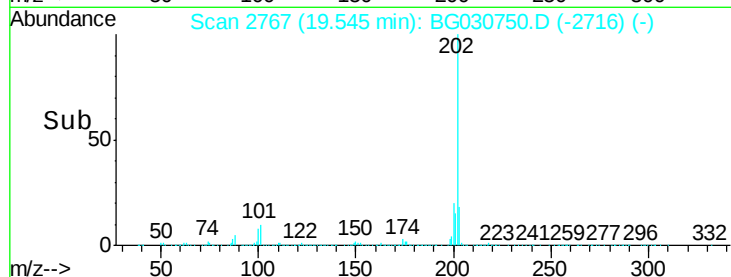
100 8.0 5.6 8.4



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: 8.87 ng/ul

RT: 19.91 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

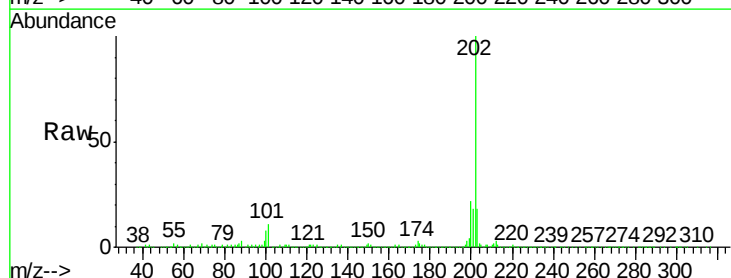
Tgt Ion:202 Resp: 365645

Ion Ratio Lower Upper

202 100

101 10.7 8.4 12.6

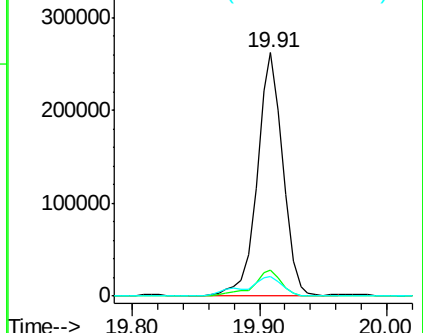
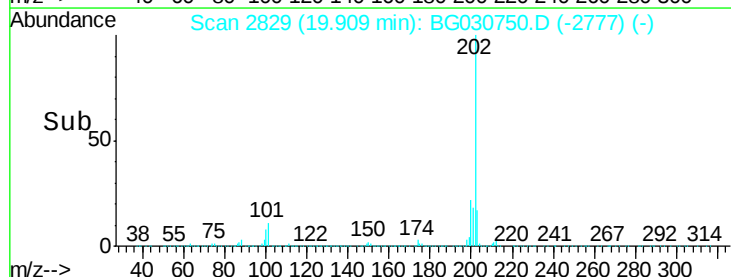
100 8.2 7.0 10.6

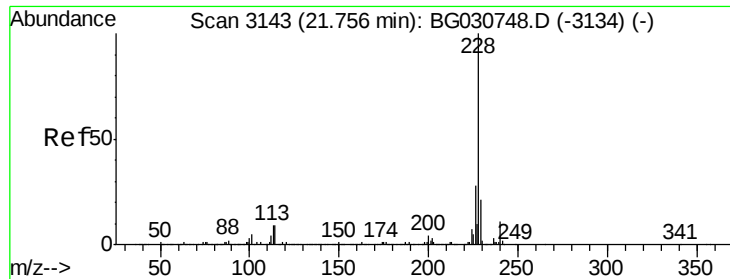


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 5.97 ng/ul

RT: 21.75 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

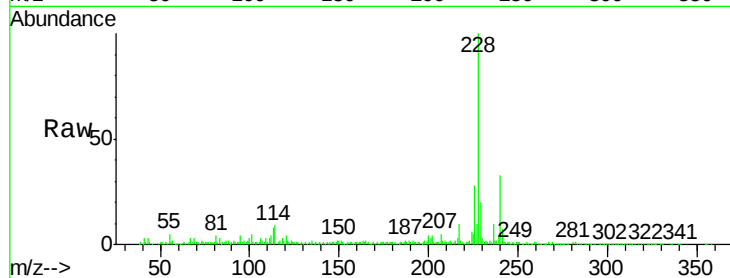
Tgt Ion:228 Resp: 230039

Ion Ratio Lower Upper

228 100

229 20.0 16.2 24.4

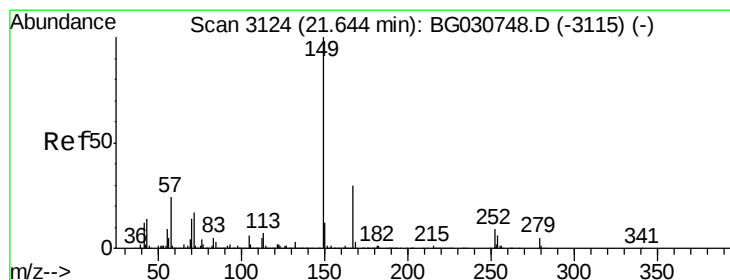
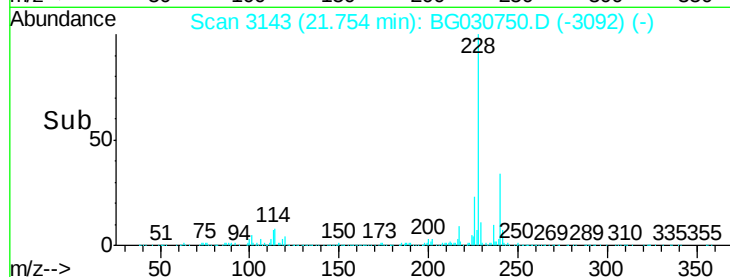
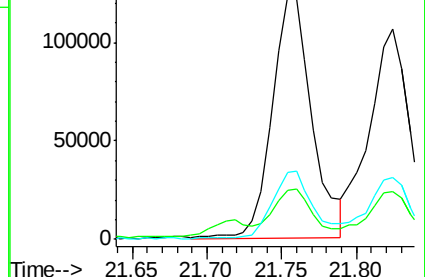
226 27.7 22.2 33.2



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.11 ng/ul

RT: 21.64 min Scan# 3124

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

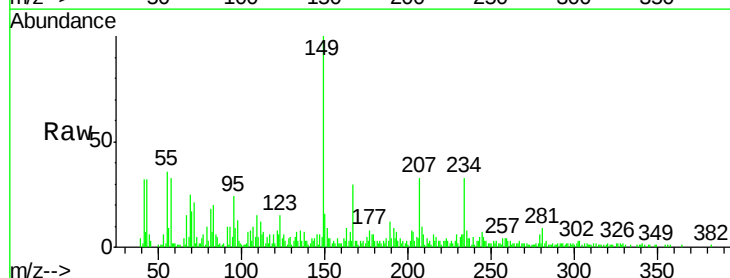
Tgt Ion:149 Resp: 26841

Ion Ratio Lower Upper

149 100

167 30.3 23.2 34.8

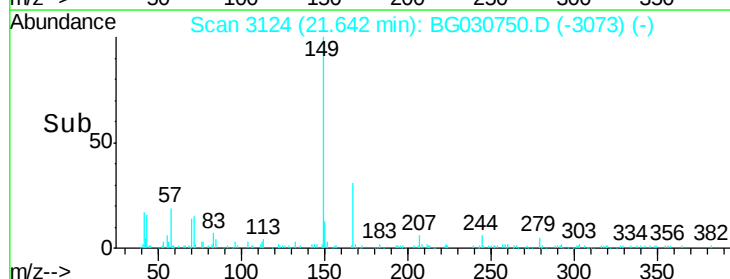
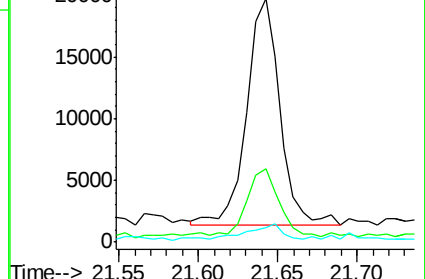
279 5.7 3.1 4.7#

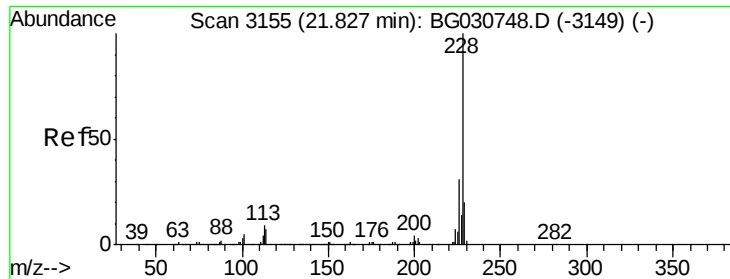


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 5.67 ng/ul

RT: 21.82 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

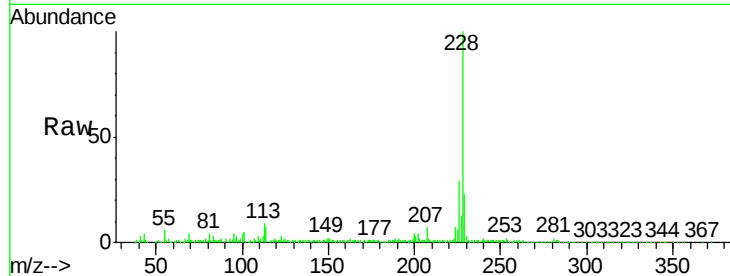
Tgt Ion:228 Resp: 198606

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.2

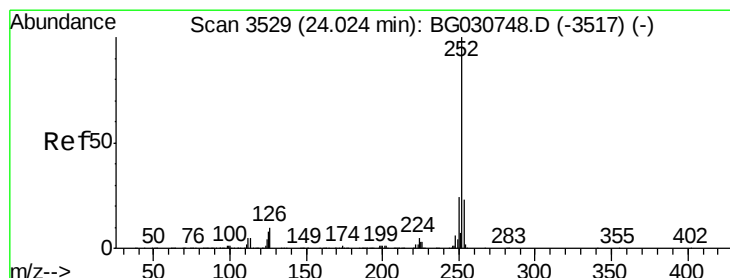
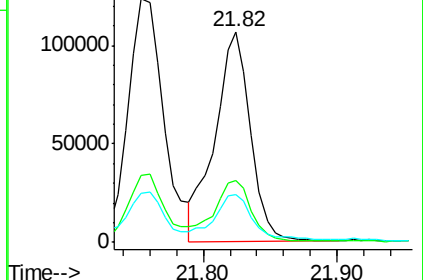
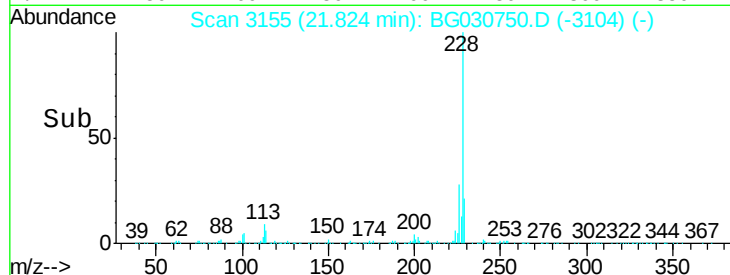
229 22.8 15.2 22.8



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: 6.80 ng/ul

RT: 24.03 min Scan# 3530

Delta R.T. 0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

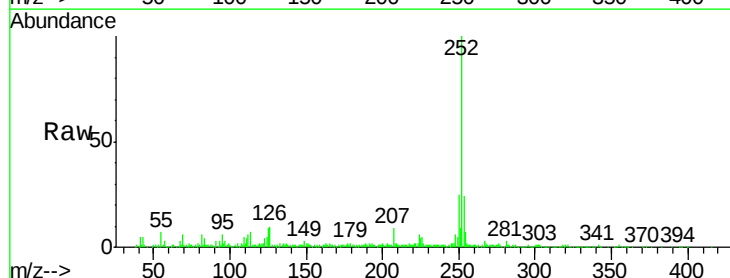
Tgt Ion:252 Resp: 257008

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.4

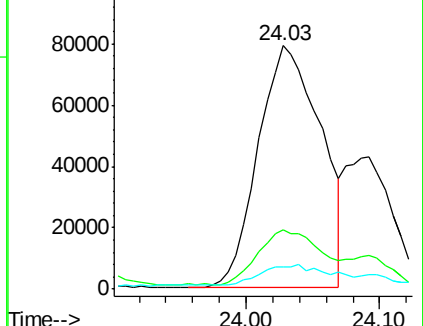
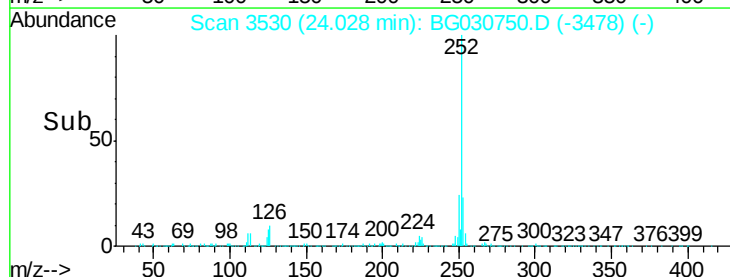
125 9.2 7.5 11.3

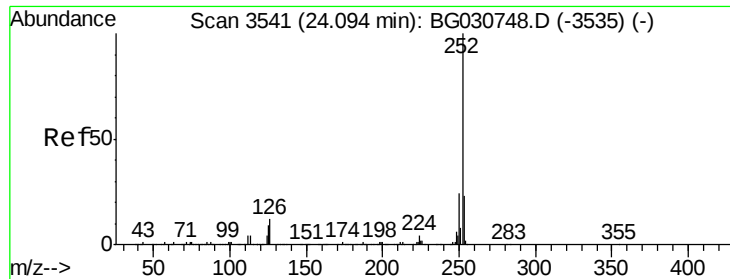


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

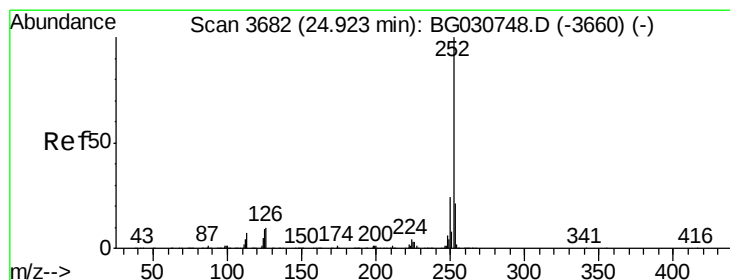
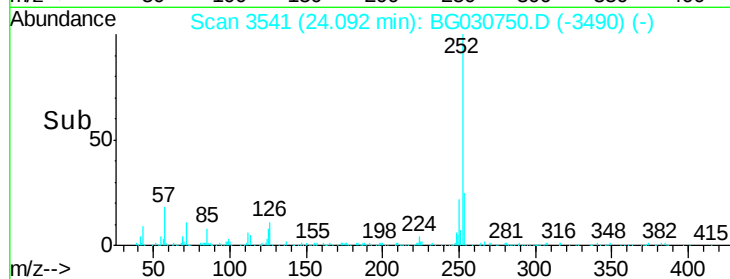
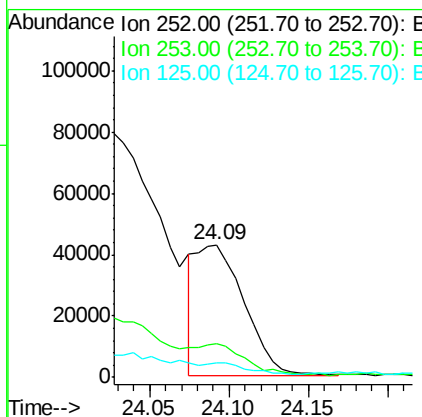
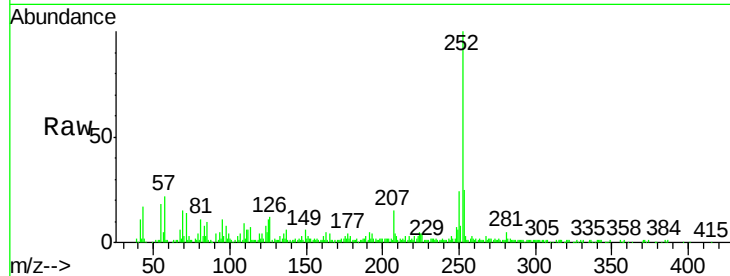




#86
Benzo(k)fluoranthene
Concen: 2.46 ng/ul
RT: 24.09 min Scan# 3541
Delta R.T. -0.00 min
Lab File: BG030750.D
Acq: 5 Nov 2017 22:29

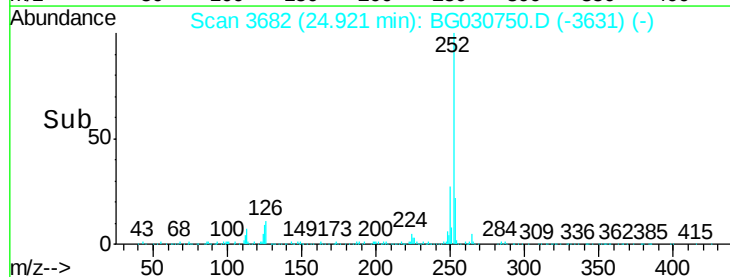
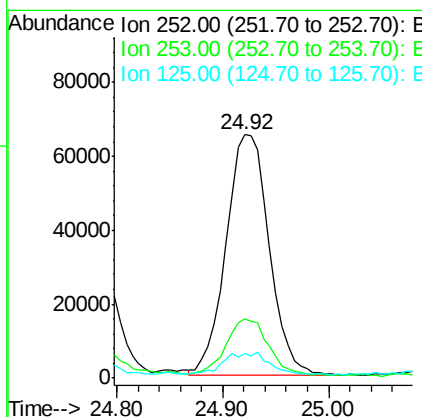
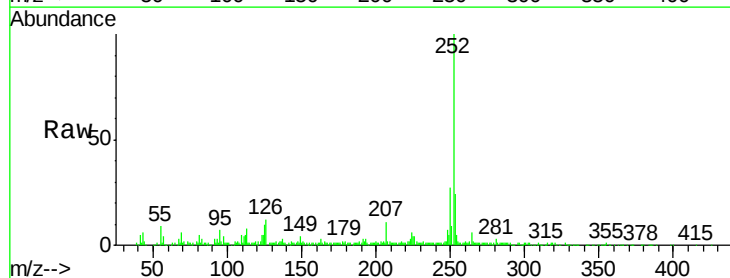
Instrument :
BNA_G
ClientSampleId :
B0E81

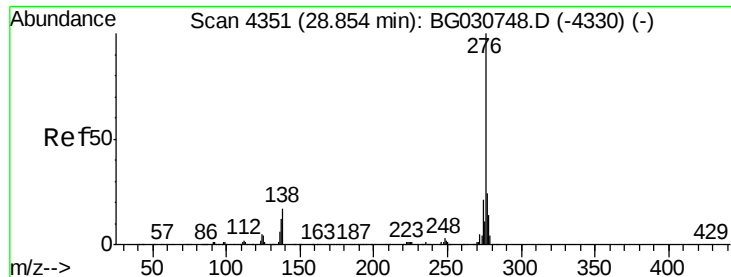
Tgt Ion:252 Resp: 89806
Ion Ratio Lower Upper
252 100
253 25.3 17.2 25.8
125 10.9 7.8 11.8



#88
Benzo(a)pyrene
Concen: 5.00 ng/ul
RT: 24.92 min Scan# 3682
Delta R.T. -0.00 min
Lab File: BG030750.D
Acq: 5 Nov 2017 22:29

Tgt Ion:252 Resp: 183878
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 10.0 7.8 11.8





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.45 ng/ul

RT: 28.85 min Scan# 4351

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

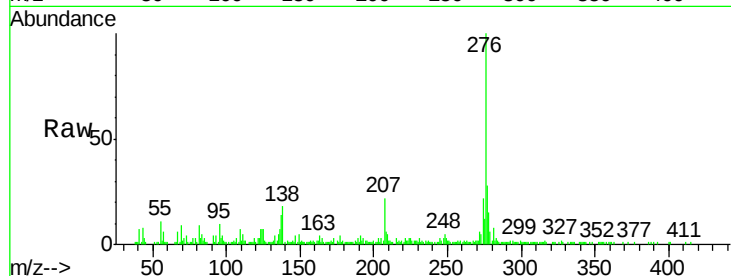
Tgt Ion:276 Resp: 143442

Ion Ratio Lower Upper

276 100

138 18.2 13.4 20.0

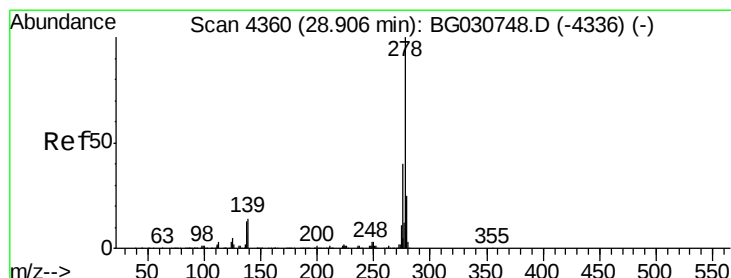
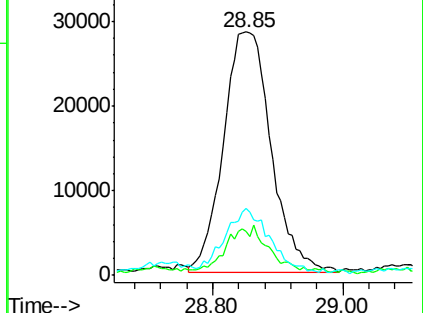
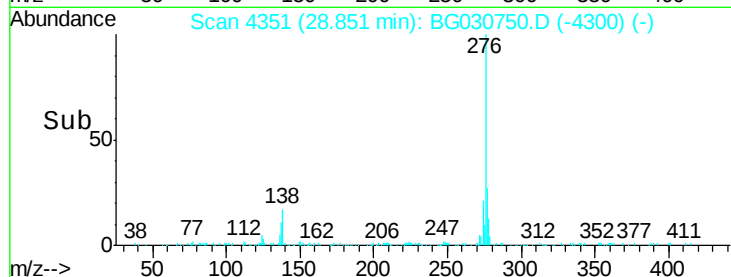
277 27.7 18.6 28.0



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: 1.16 ng/ul

RT: 28.90 min Scan# 4360

Delta R.T. -0.00 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

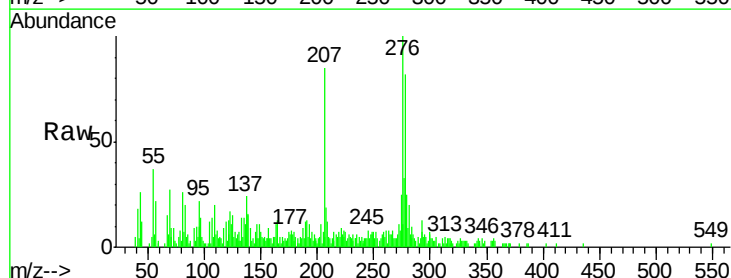
Tgt Ion:278 Resp: 40027

Ion Ratio Lower Upper

278 100

139 18.0 9.4 14.2#

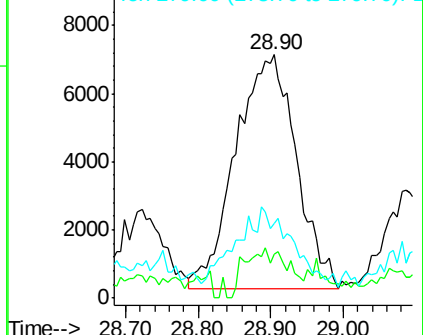
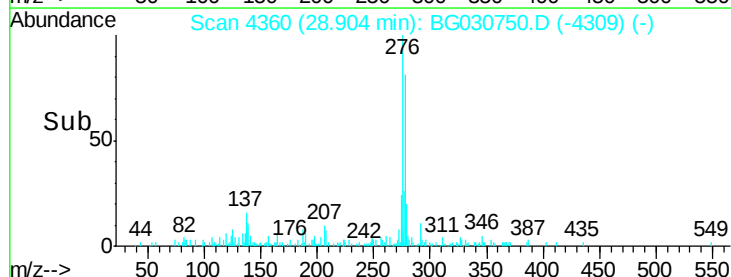
279 30.8 18.4 27.6#

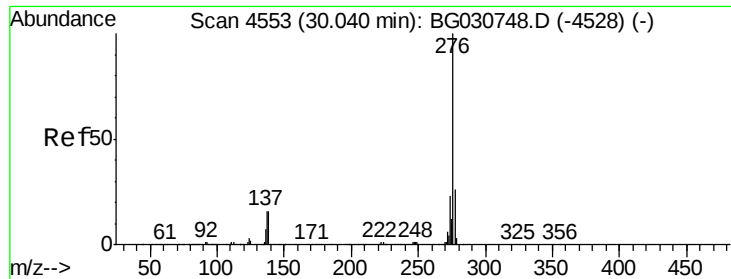


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.69 ng/ul

RT: 30.03 min Scan# 4552

Delta R.T. -0.01 min

Lab File: BG030750.D

Acq: 5 Nov 2017 22:29

Instrument :

BNA_G

ClientSampleId :

B0E81

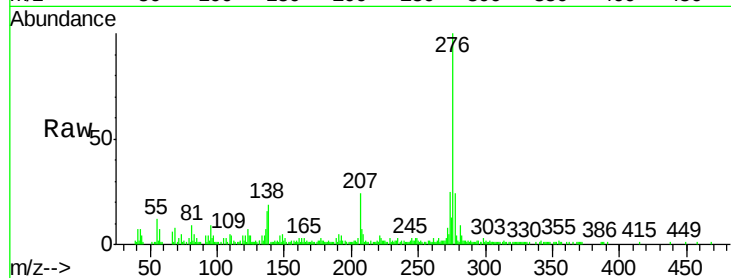
Tgt Ion:276 Resp: 127358

Ion Ratio Lower Upper

276 100

138 18.9 12.1 18.1#

277 23.9 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

