

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110617\
 Data File : BG030783.D
 Acq On : 6 Nov 2017 20:12
 Operator : SJ/JU
 Sample : I6107-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 06:57:28 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 07 06:56:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	79709	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	368336	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	239818	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	572778	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	604123	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	625108	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	10232	5.22	ng/uL	0.00
5) Phenol-d5	7.31	99	248141	32.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	146242	30.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	200869	37.22	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	216484	35.04	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	114324	43.24	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	140211	51.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	257506	41.71	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	269142	37.52	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	915169	44.64	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	1111236	44.57	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	147795	39.05	ng/ul	0.00
57) Fluorene-d10	15.76	176	862736	51.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	99009	35.41	ng/ul	0.00
70) Anthracene-d10	17.61	188	1328842	49.05	ng/ul	0.00
76) Pyrene-d10	19.89	212	1515458	48.46	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	1577679	53.29	ng/ul	0.02

Target Compounds

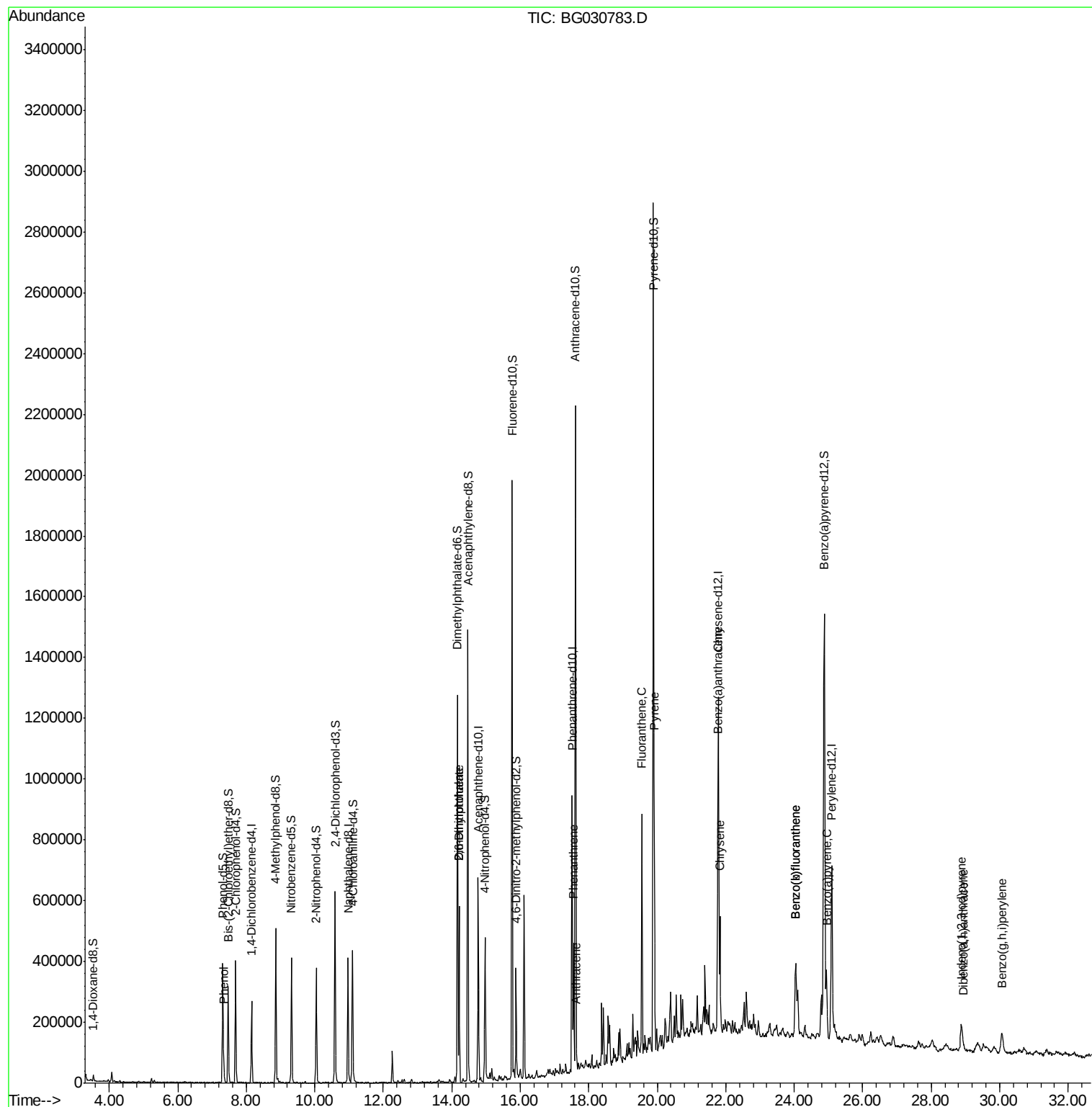
					Ovalue
6) Phenol	7.34	94	27686	3.50 ng/ul	93
44) Dimethylphthalate	14.22	163	400901	20.05 ng/ul	98
45) 2,6-Dinitrotoluene	14.22	165	4903	1.40 ng/ul#	52
69) Phenanthrene	17.55	178	266273	8.60 ng/ul	98
71) Anthracene	17.65	178	32219	1.01 ng/ul	95
74) Fluoranthene	19.55	202	479743	13.86 ng/ul	99
77) Pyrene	19.92	202	528183	13.05 ng/ul	99
80) Benzo(a)anthracene	21.77	228	250141	6.61 ng/ul	97
82) Chrysene	21.83	228	294737	8.57 ng/ul	96
85) Benzo(b)fluoranthene	24.04	252	317150	8.45 ng/ul#	93
86) Benzo(k)fluoranthene	24.04	252	317150	8.74 ng/ul	94
88) Benzo(a)pyrene	24.94	252	234835	6.43 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.88	276	150650	3.65 ng/ul	98
90) Dibenzo(a,h)anthracene	28.93	278	43938	1.28 ng/ul#	88
91) Benzo(g,h,i)perylene	30.06	276	137708	4.02 ng/ul	98

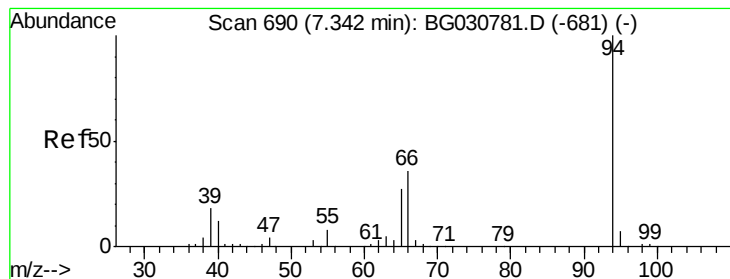
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 3.50 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

Instrument :

BNA_G

ClientSampleId :

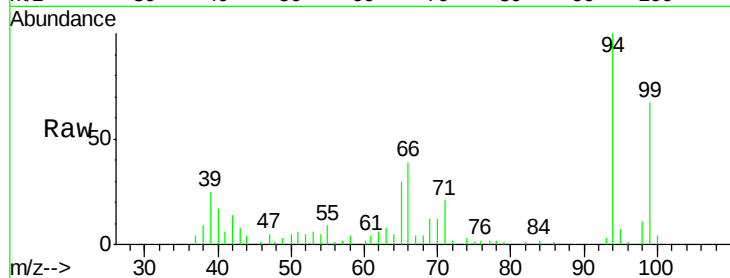
Tot Ion: 94 Resp: 27686

Ion Ratio Lower Upper

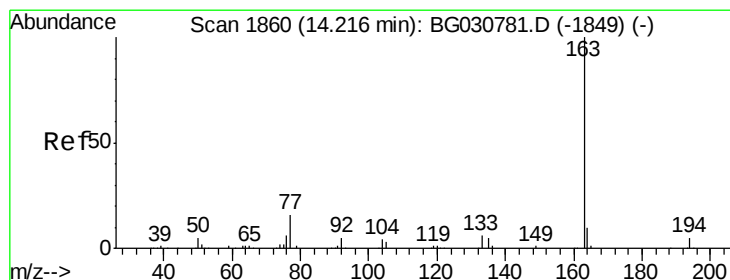
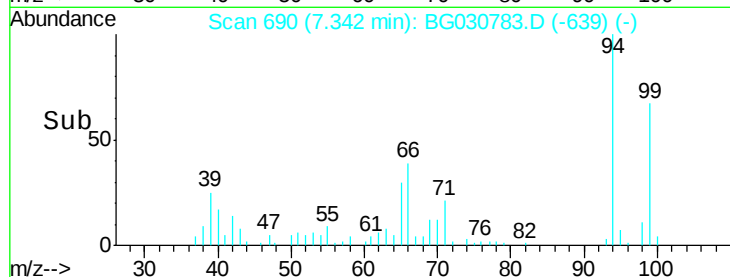
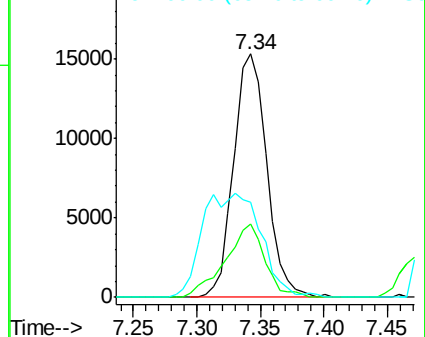
94 100

65 30.2 27.1 40.7

66 39.0 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: 20.05 ng/ul

RT: 14.22 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

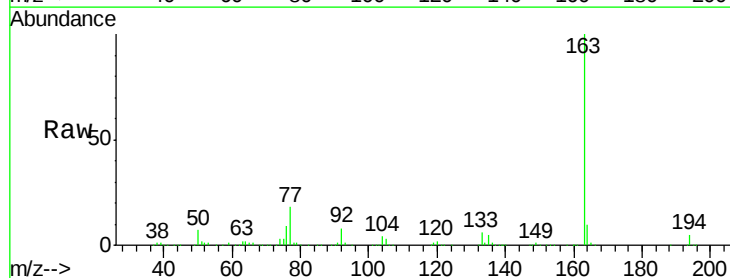
Tgt Ion:163 Resp: 400901

Ion Ratio Lower Upper

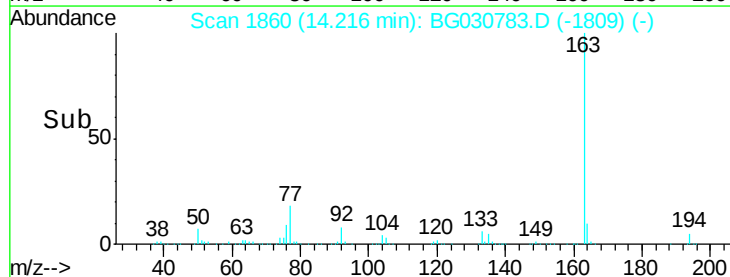
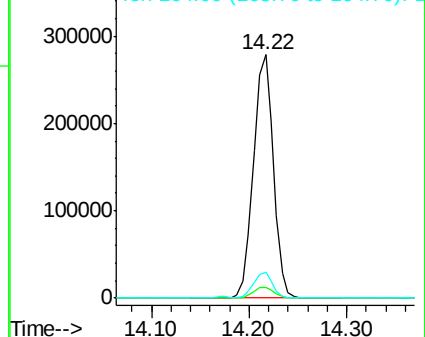
163 100

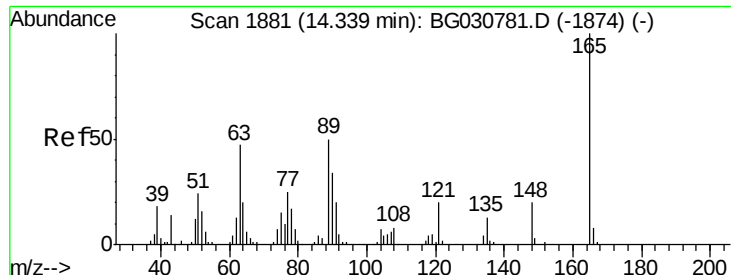
194 4.6 3.5 5.3

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

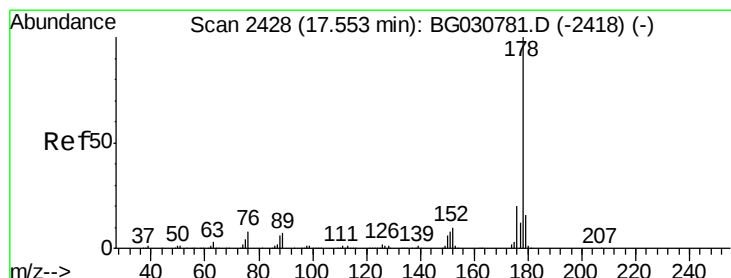
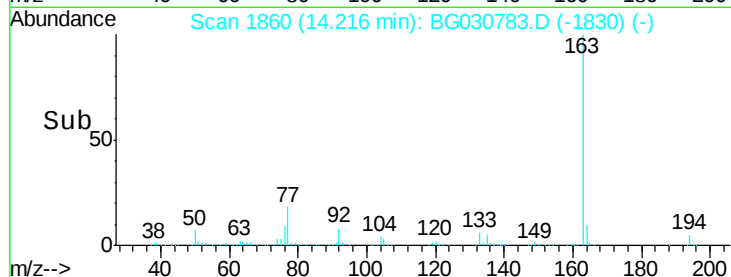
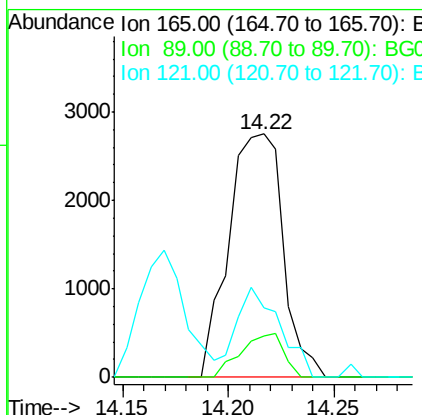
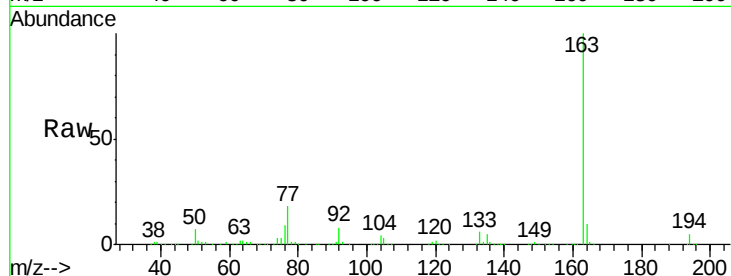




#45
 2,6-Dinitrotoluene
 Concen: 1.40 ng/ul
 RT: 14.22 min Scan# 1860
 Delta R.T. -0.12 min
 Lab File: BG030783.D
 Acq: 6 Nov 2017 20:12

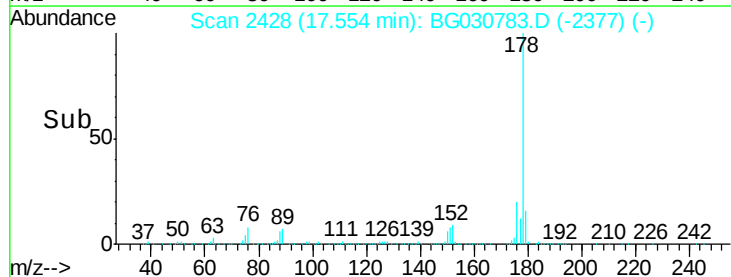
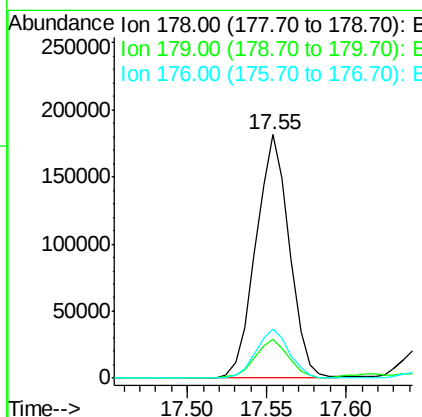
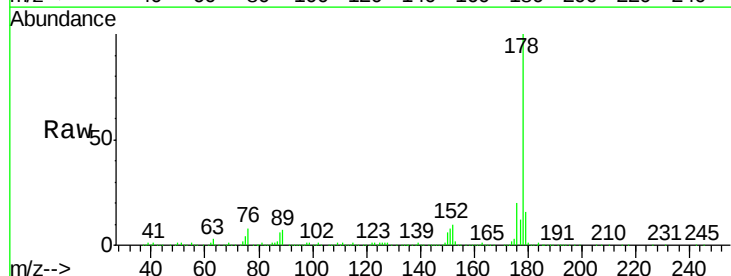
Instrument :
 BNA_G
 ClientSampleId :

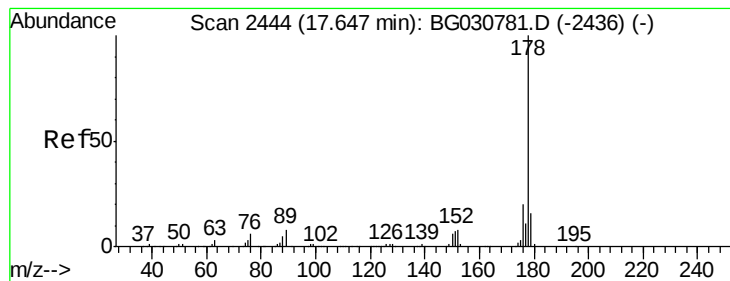
Tot Ion:165 Resp: 4903
 Ion Ratio Lower Upper
 165 100
 89 17.1 51.1 76.7#
 121 28.4 17.2 25.8#



#69
 Phenanthrene
 Concen: 8.60 ng/ul
 RT: 17.55 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG030783.D
 Acq: 6 Nov 2017 20:12

Tgt Ion:178 Resp: 266273
 Ion Ratio Lower Upper
 178 100
 179 15.8 13.0 19.6
 176 20.4 15.3 22.9





#71

Anthracene

Concen: 1.01 ng/ul

RT: 17.65 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

Instrument :

BNA_G

ClientSampled :

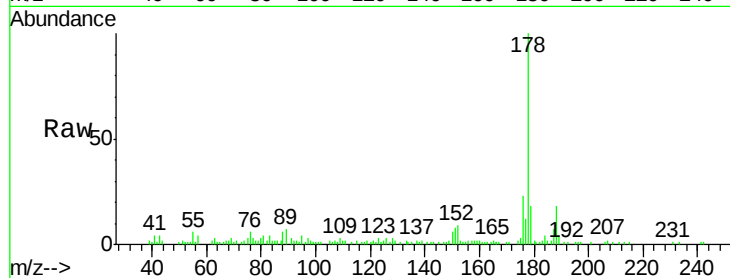
Tot Ion:178 Resp: 32219

Ion Ratio Lower Upper

178 100

179 18.4 13.2 19.8

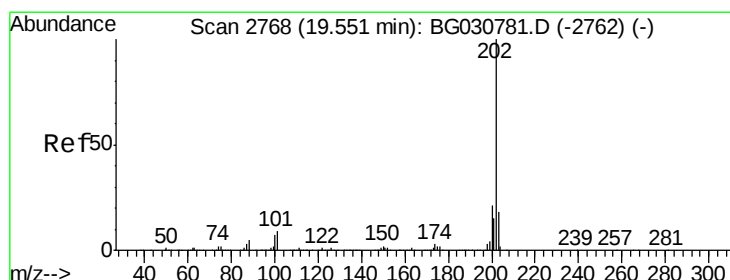
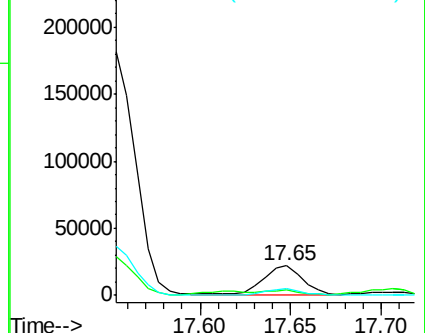
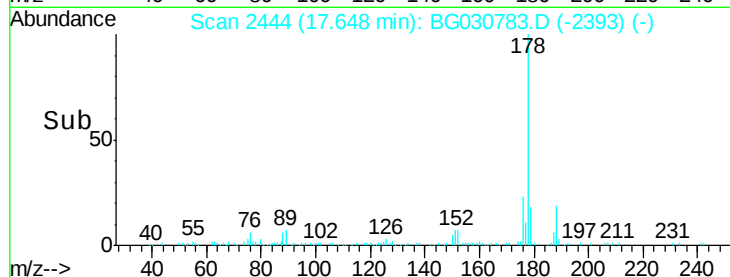
176 22.7 16.0 24.0



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



#74

Fluoranthene

Concen: 13.86 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

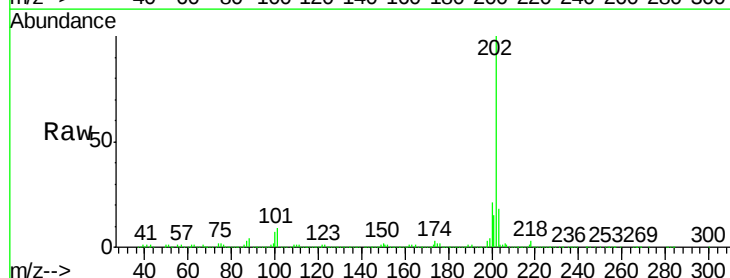
Tgt Ion:202 Resp: 479743

Ion Ratio Lower Upper

202 100

101 8.9 7.4 11.2

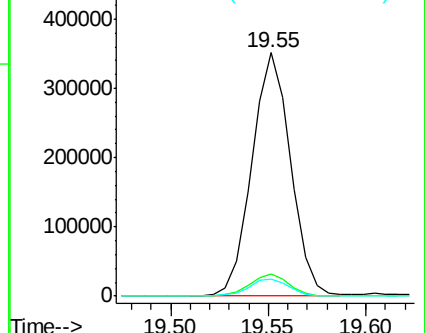
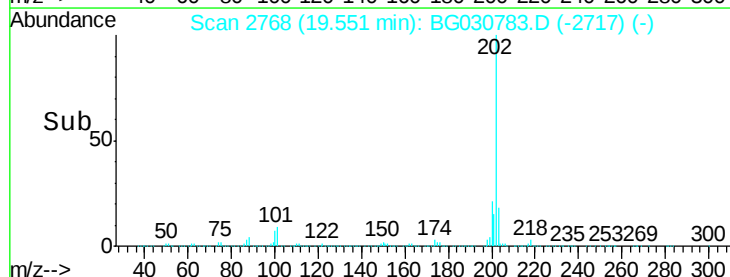
100 7.0 5.6 8.4

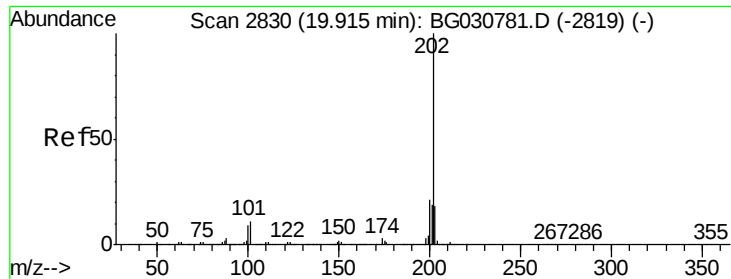


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 13.05 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

Instrument :

BNA_G

ClientSampleId :

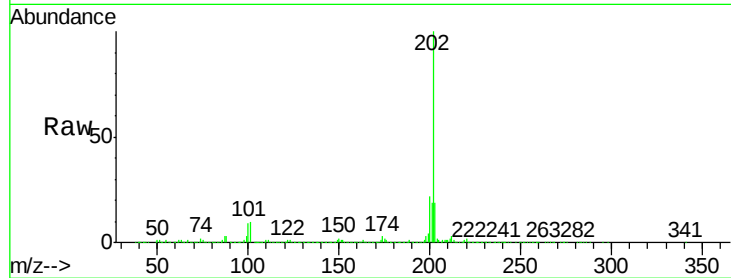
Tot Ion:202 Resp: 528183

Ion Ratio Lower Upper

202 100

101 10.2 8.4 12.6

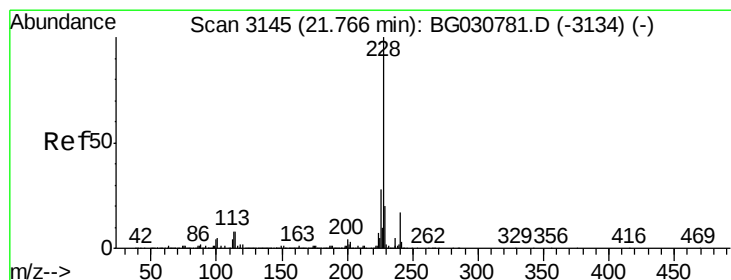
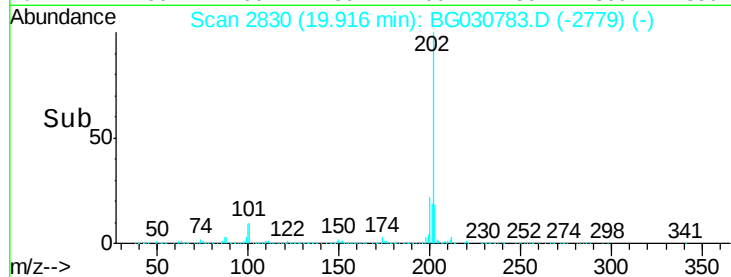
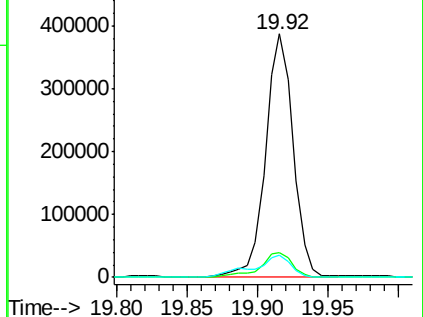
100 8.9 7.0 10.6



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): E



#80

Benzo(a)anthracene

Concen: 6.61 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

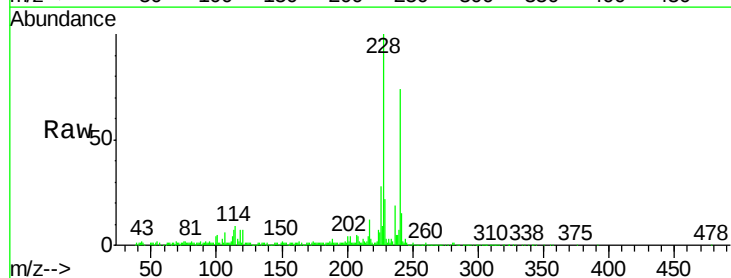
Tgt Ion:228 Resp: 250141

Ion Ratio Lower Upper

228 100

229 22.3 16.2 24.4

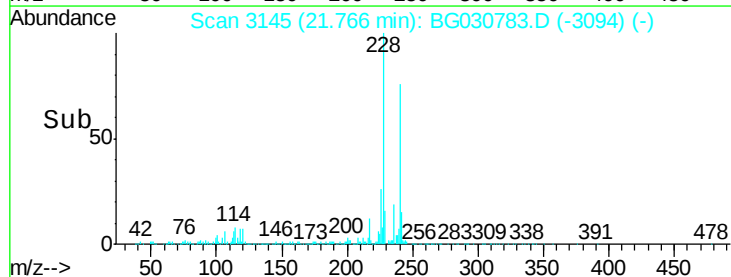
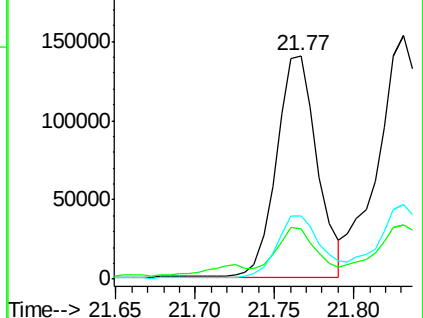
226 28.4 22.2 33.2

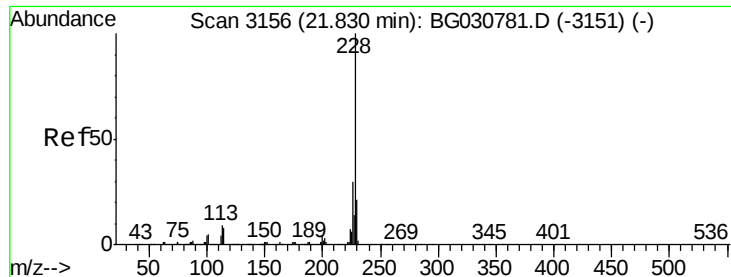


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 8.57 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

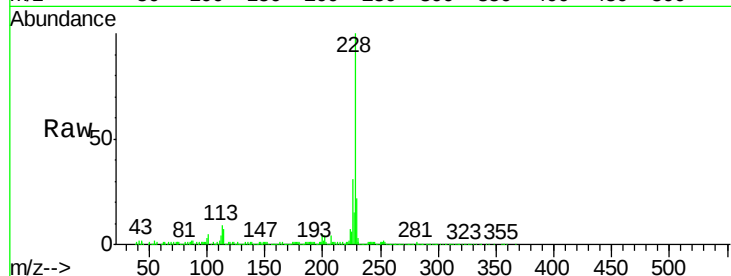
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 294737

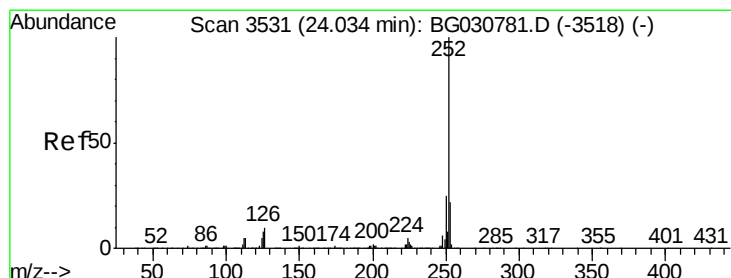
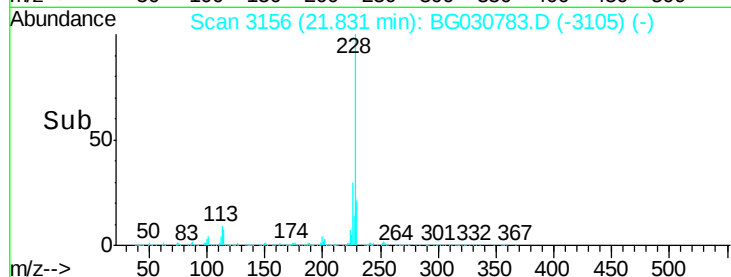
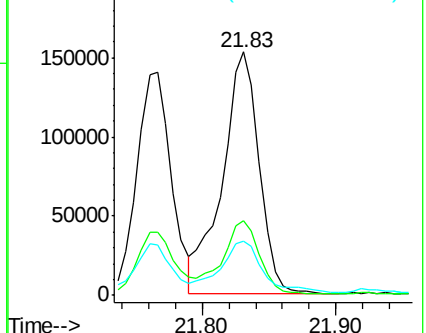
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	22.5	15.2	22.8



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: 8.45 ng/ul

RT: 24.04 min Scan# 3532

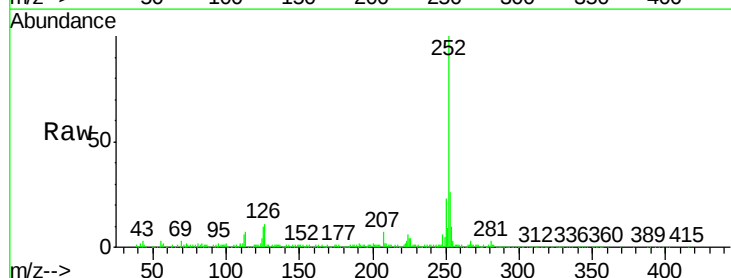
Delta R.T. 0.01 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

Tgt Ion:252 Resp: 317150

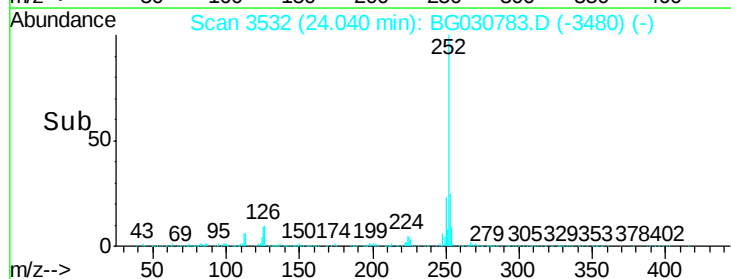
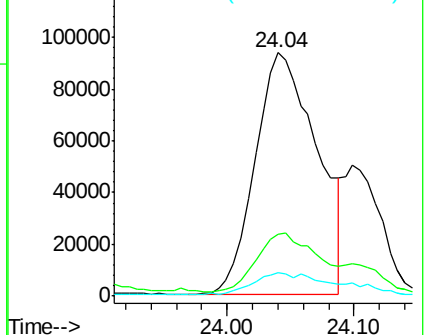
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.4#
125	9.7	7.5	11.3

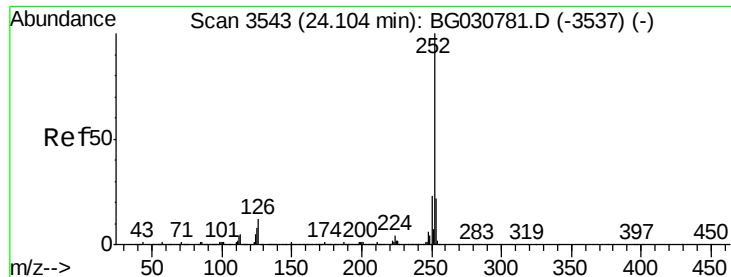


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 8.74 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. -0.06 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

Instrument :

BNA_G

ClientSampleId :

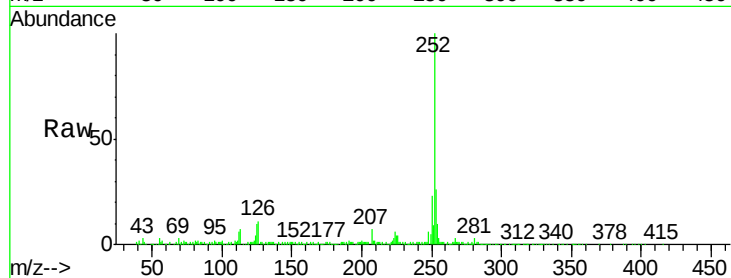
Tot Ion:252 Resp: 317150

Ion Ratio Lower Upper

252 100

253 25.6 17.2 25.8

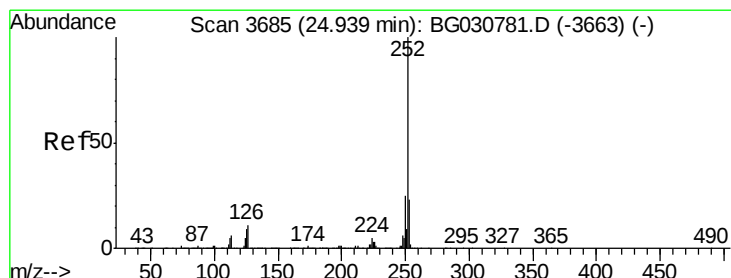
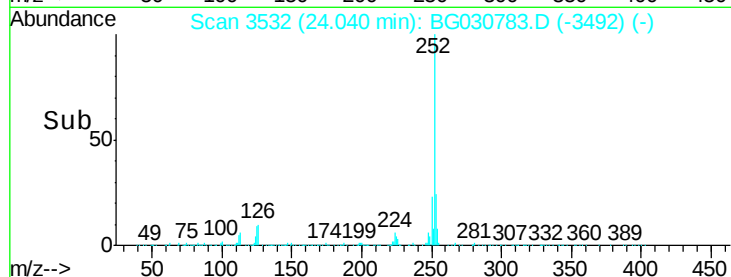
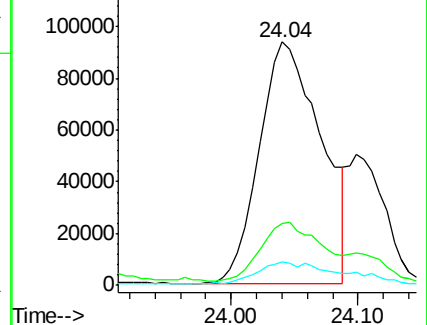
125 9.7 7.8 11.8



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: 6.43 ng/ul

RT: 24.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

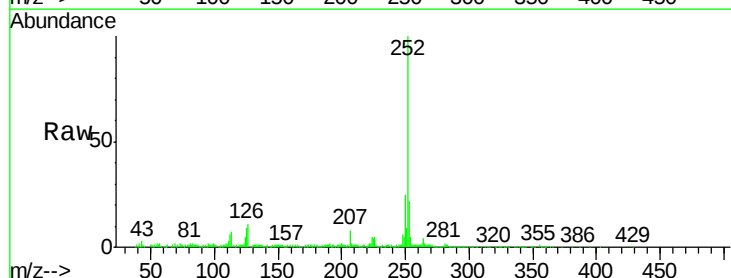
Tgt Ion:252 Resp: 234835

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

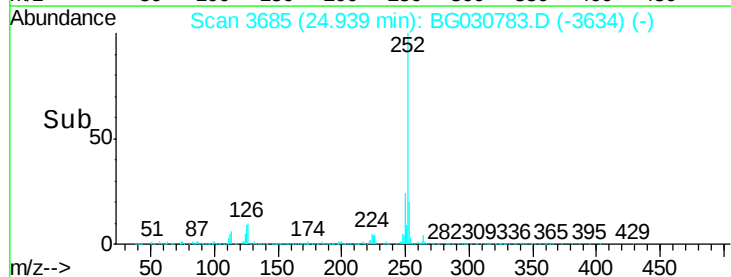
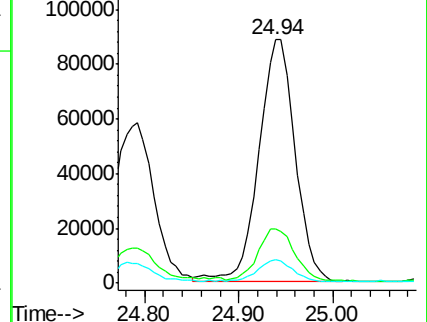
125 9.5 7.8 11.8

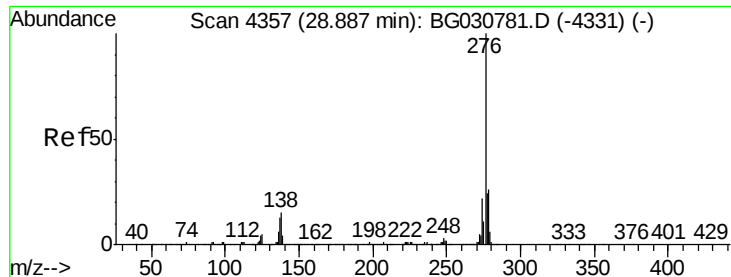


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



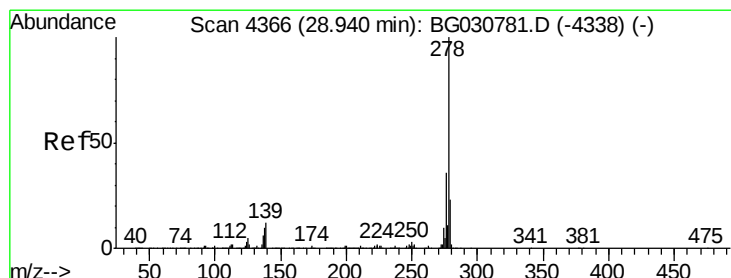
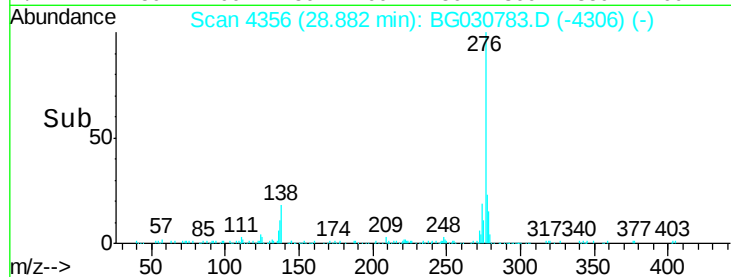
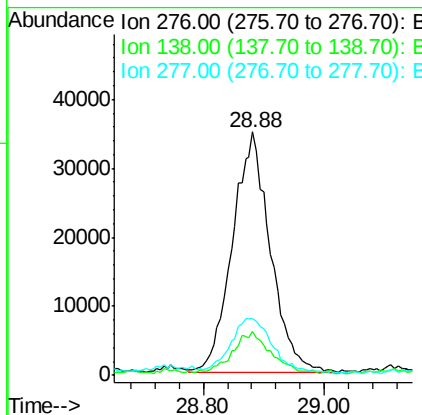
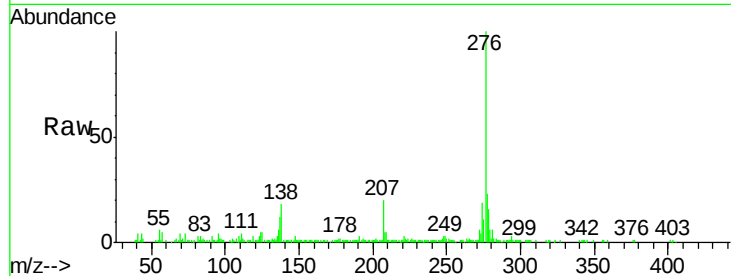


#89

Indeno(1,2,3-cd)pyrene
Concen: 3.65 ng/ul
RT: 28.88 min Scan# 4356
Delta R.T. -0.01 min
Lab File: BG030783.D
Acq: 6 Nov 2017 20:12

Instrument :
BNA_G
ClientSampleId :

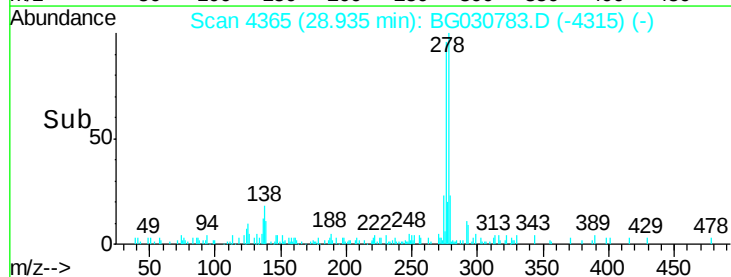
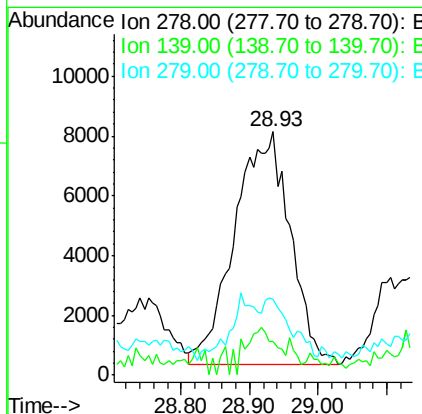
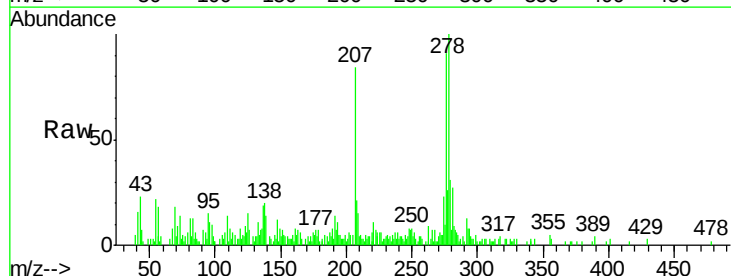
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	13.4	20.0
277	23.5	18.6	28.0

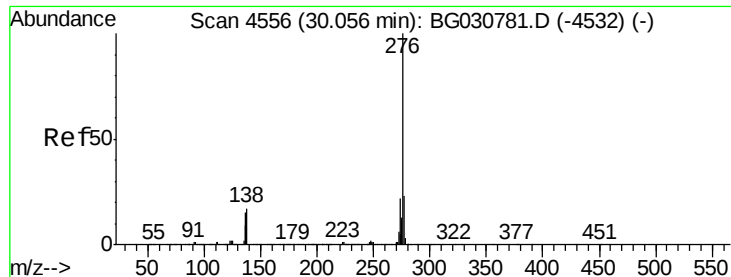


#90

Dibenzo(a,h)anthracene
Concen: 1.28 ng/ul
RT: 28.93 min Scan# 4365
Delta R.T. -0.01 min
Lab File: BG030783.D
Acq: 6 Nov 2017 20:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	9.4	14.2
279	31.0	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 4.02 ng/ul

RT: 30.06 min Scan# 4557

Delta R.T. 0.01 min

Lab File: BG030783.D

Acq: 6 Nov 2017 20:12

Instrument :

BNA_G

ClientSampleId :

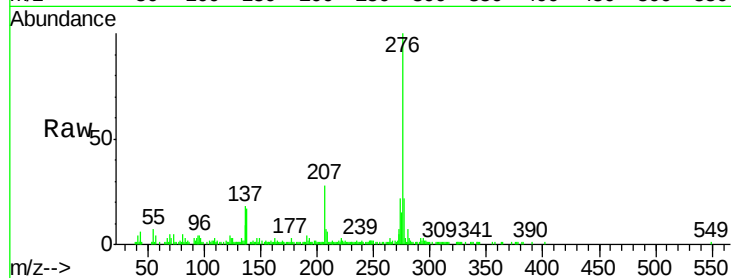
Tot Ion: 276 Resp: 137708

Ion Ratio Lower Upper

276 100

138 17.0 12.1 18.1

277 22.5 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

