

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
 Data File : BG019801.D
 Acq On : 23 Nov 2015 3:47
 Operator : UM/NP
 Sample : G4345-22
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4J67

Quant Time: Nov 23 06:02:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 04:11:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	22455	20.00	ng/ul	0.00
18) Naphthalene-d8	10.94	136	97730	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.76	164	80144	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	213644	20.00	ng/ul	0.00
78) Chrysene-d12	21.76	240	280986	20.00	ng/ul	0.00
86) Perylene-d12	25.07	264	270247	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	1412	2.69	ng/uL	0.00
5) Phenol-d5	7.26	99	40183	17.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	25062	16.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	25600	17.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	30741	16.14	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	14365	17.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.01	143	16457	18.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.56	165	35979	18.43	ng/ul	0.00
29) 4-Chloroaniline-d4	11.08	131	2523	1.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.15	166	136918	18.89	ng/ul	0.00
47) Acenaphthylene-d8	14.45	160	131330	16.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.95	143	16688	14.61	ng/ul	0.00
58) Fluorene-d10	15.74	176	104289	16.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	22553	16.34	ng/ul	0.00
71) Anthracene-d10	17.59	188	156769	15.11	ng/ul	0.00
79) Pyrene-d10	19.87	212	164893	12.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.84	264	139625	9.90	ng/ul	0.00

Target Compounds

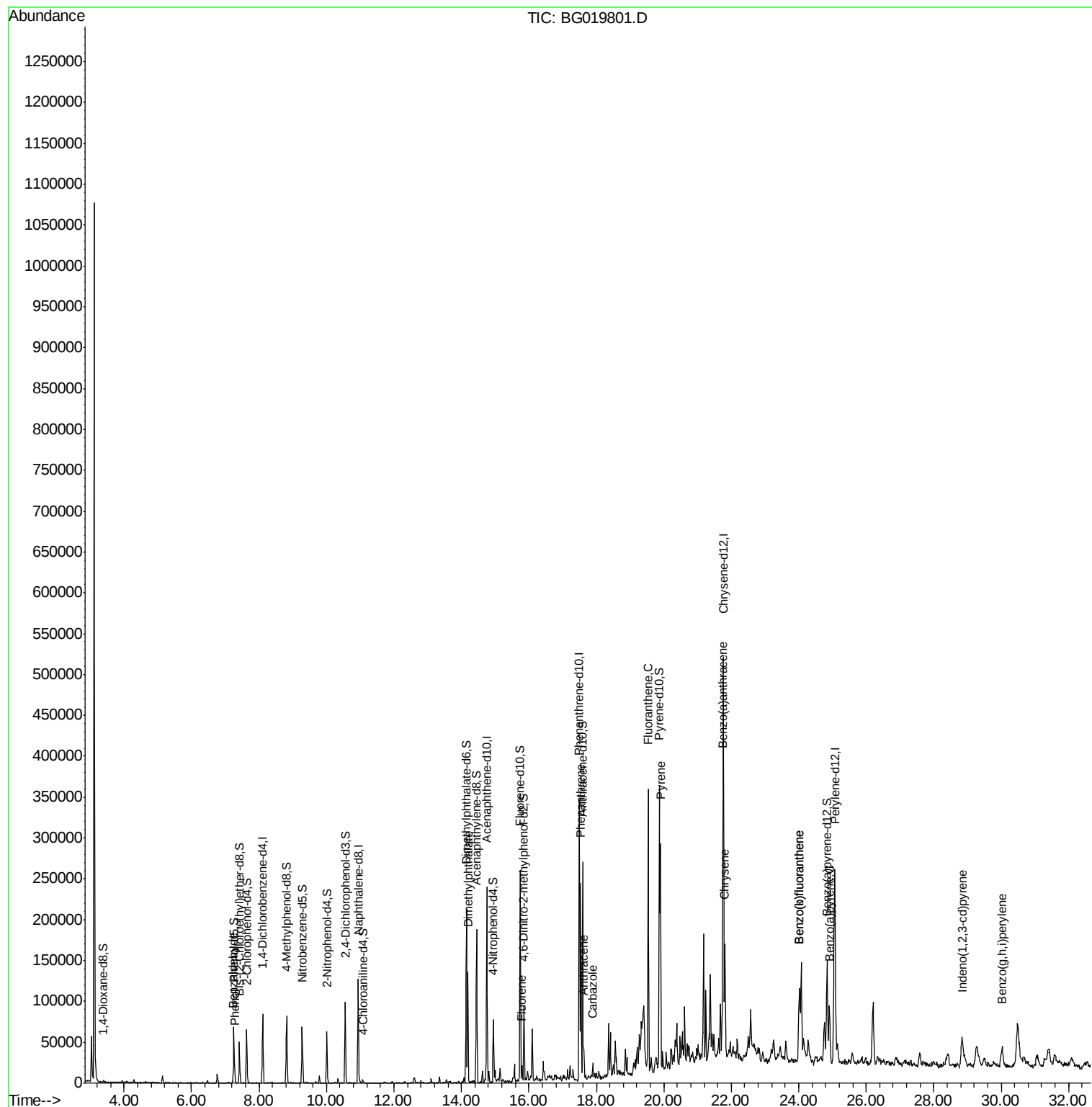
						Qvalue
4) Benzaldehyde	7.24	77	2495	1.49	ng/ul	95
6) Phenol	7.29	94	2972	1.20	ng/ul	97
45) Dimethylphthalate	14.20	163	84982	11.82	ng/ul	97
59) Fluorene	15.80	166	8337	1.21	ng/ul#	78
70) Phenanthrene	17.53	178	152492	13.34	ng/ul	97
72) Anthracene	17.63	178	31374	2.72	ng/ul	98
75) Carbazole	17.89	167	11461	1.24	ng/ul	98
77) Fluoranthene	19.54	202	214487	14.72	ng/ul	99
80) Pyrene	19.90	202	179949	10.97	ng/ul	97
83) Benzo(a)anthracene	21.75	228	101105	5.94	ng/ul	97
85) Chrysene	21.81	228	104112	6.49	ng/ul	96
88) Benzo(b)fluoranthene	24.01	252	114397	6.87	ng/ul	99
89) Benzo(k)fluoranthene	24.01	252	114397	7.12	ng/ul	99
91) Benzo(a)pyrene	24.91	252	83553	5.21	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.84	276	58333	3.25	ng/ul	93
94) Benzo(g,h,i)perylene	30.01	276	18210	1.22	ng/ul	97

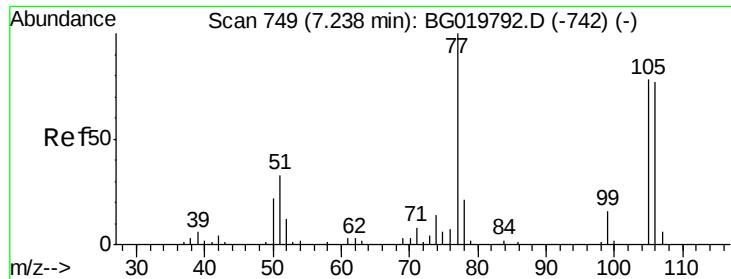
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112215\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 04:11:25 2015
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.49 ng/ul

RT: 7.24 min Scan# 749

Delta R.T. 0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Instrument :

BNA_G

ClientSampleId :

A4J67

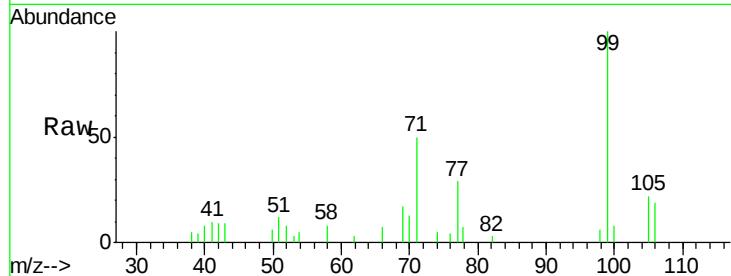
Tgt Ion: 77 Resp: 2495

Ion Ratio Lower Upper

77 100

105 73.4 58.6 88.0

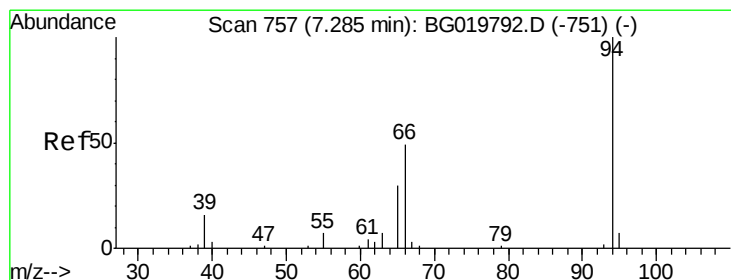
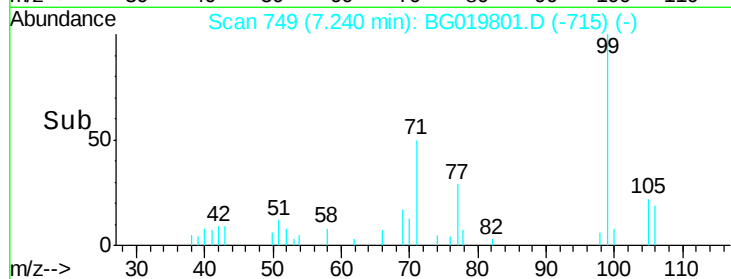
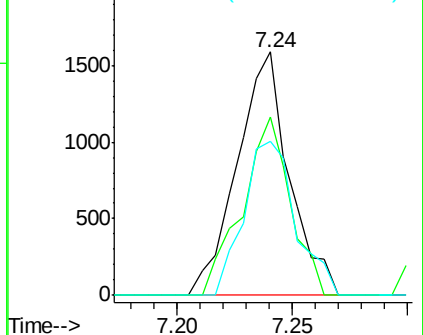
106 63.4 57.7 86.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1.20 ng/ul

RT: 7.29 min Scan# 757

Delta R.T. 0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

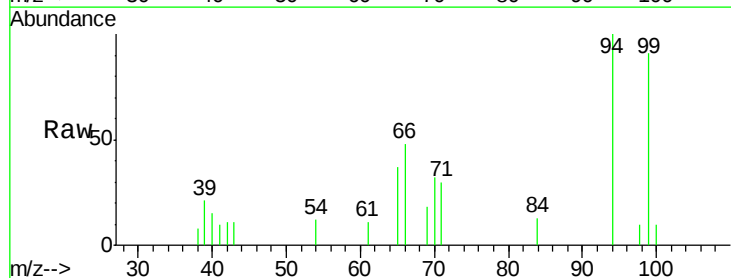
Tgt Ion: 94 Resp: 2972

Ion Ratio Lower Upper

94 100

65 37.3 27.4 41.0

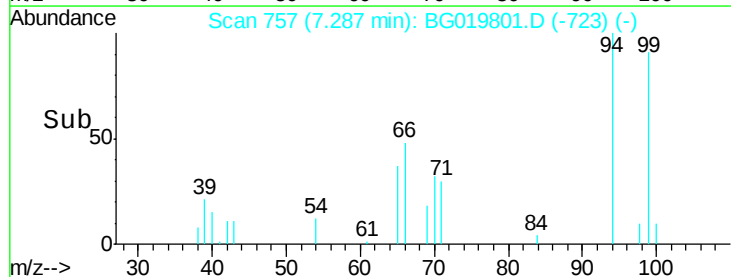
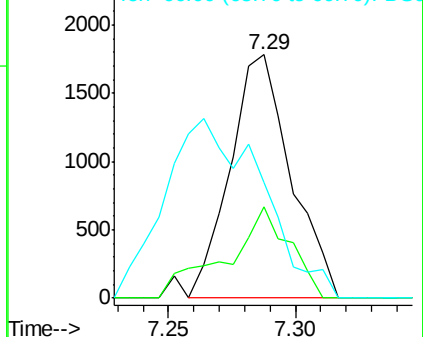
66 47.5 39.0 58.6

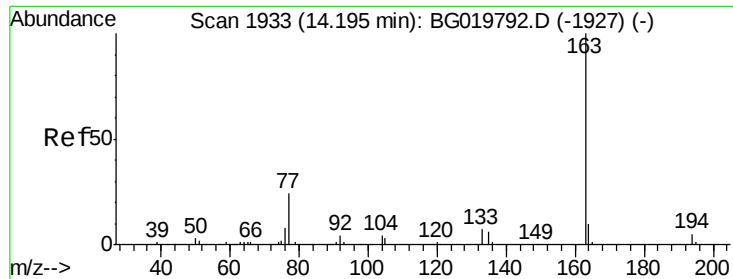


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#45

Dimethylphthalate

Concen: 11.82 ng/ul

RT: 14.20 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

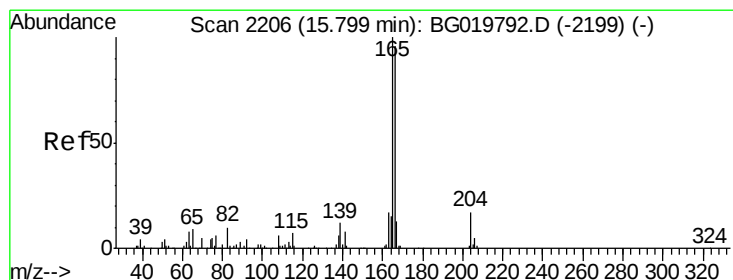
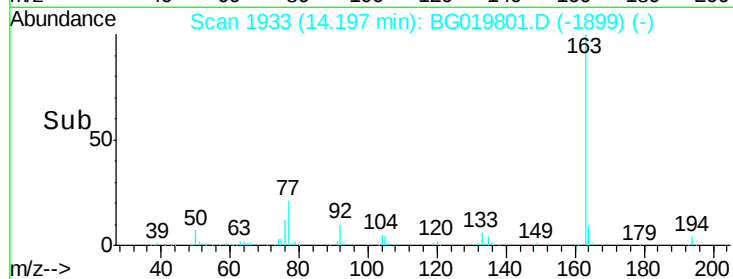
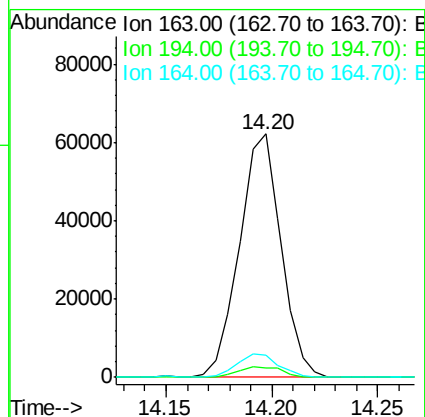
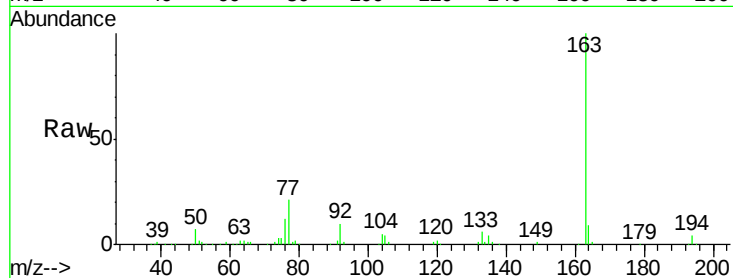
Instrument :

BNA_G

ClientSampleId :

A4J67

Tgt Ion:	163	Resp:	84982
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.0	8.3	12.5



#59

Fluorene

Concen: 1.21 ng/ul

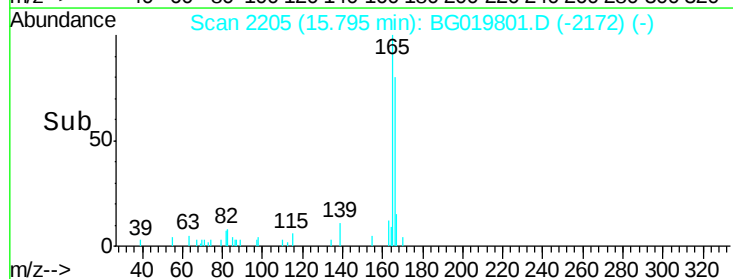
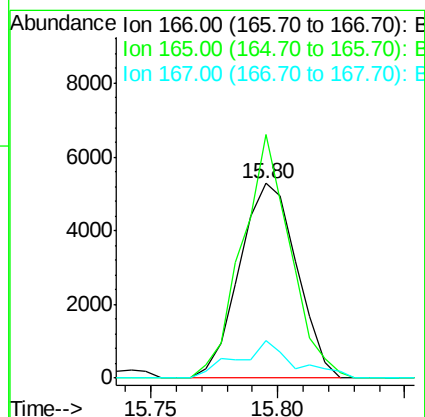
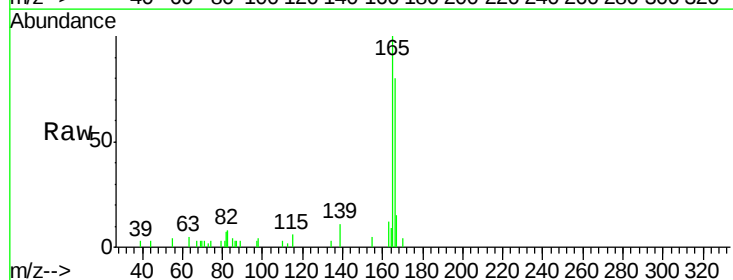
RT: 15.80 min Scan# 2205

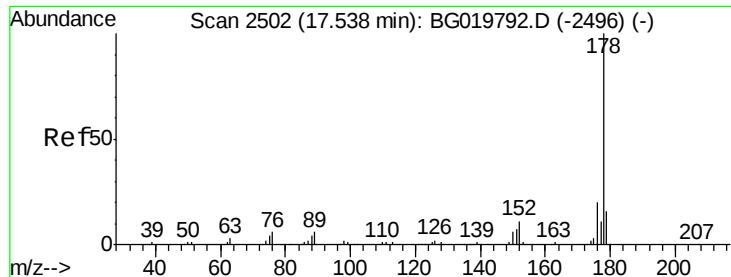
Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Tgt Ion:	166	Resp:	8337
Ion	Ratio	Lower	Upper
166	100		
165	125.1	81.4	122.2#
167	19.1	11.1	16.7#





#70

Phenanthrene

Concen: 13.34 ng/ul

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Instrument :

BNA_G

ClientSampleId :

A4J67

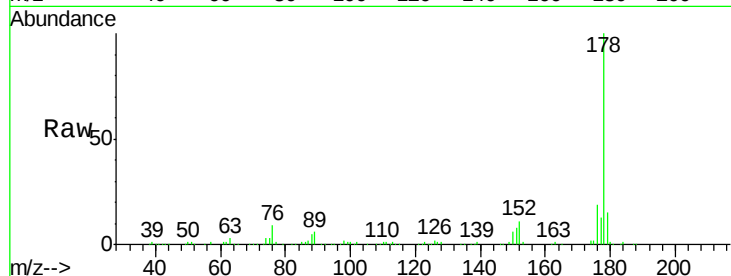
Tgt Ion:178 Resp: 152492

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

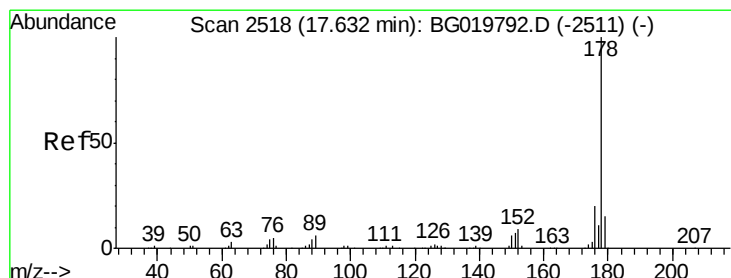
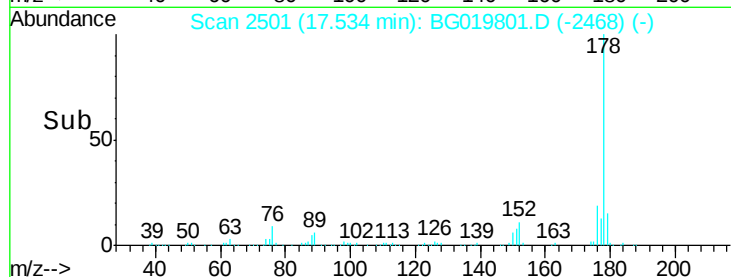
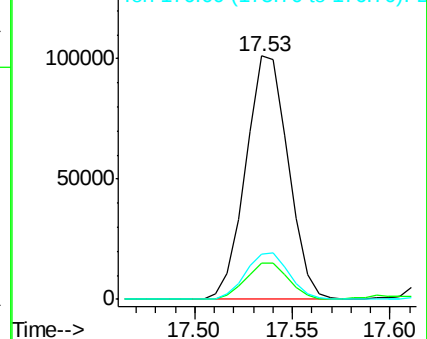
176 18.7 16.6 24.8



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

Anthracene

Concen: 2.72 ng/ul

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

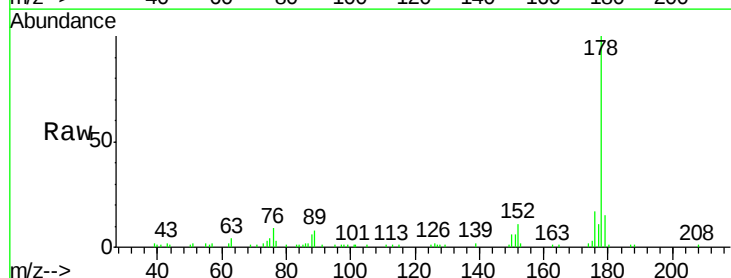
Tgt Ion:178 Resp: 31374

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

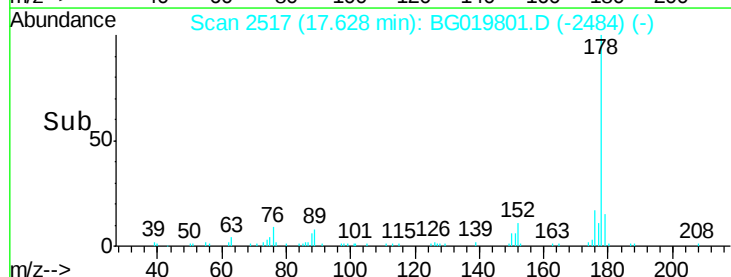
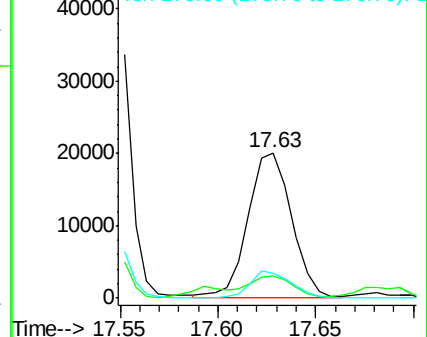
176 17.3 15.0 22.4

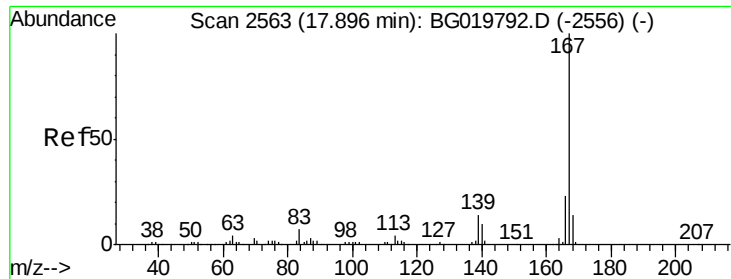


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.24 ng/ul

RT: 17.89 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Instrument :

BNA_G

ClientSampleId :

A4J67

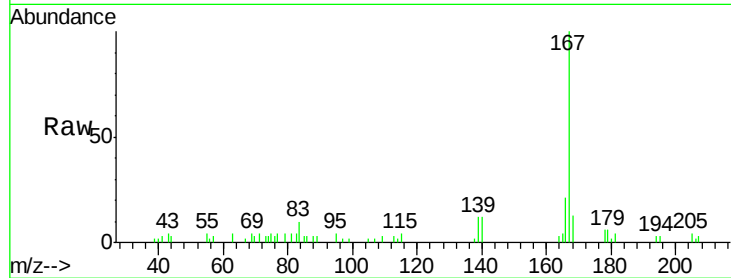
Tgt Ion:167 Resp: 11461

Ion Ratio Lower Upper

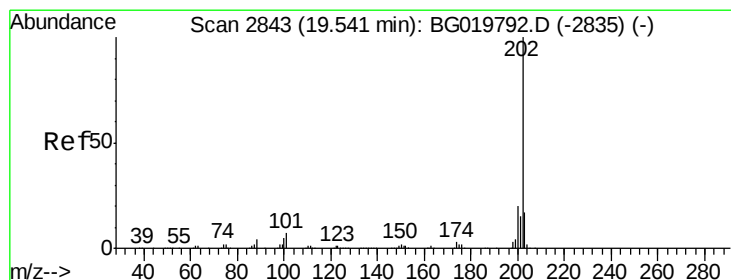
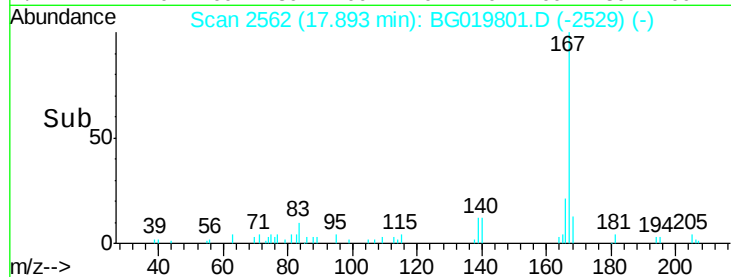
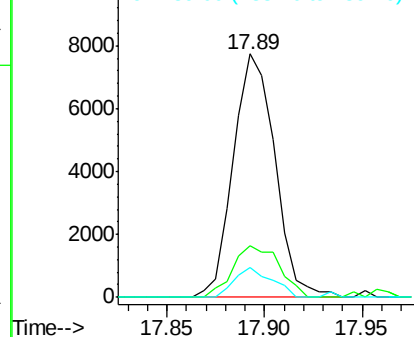
167 100

166 21.3 18.1 27.1

139 12.3 9.8 14.6



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



#77

Fluoranthene

Concen: 14.72 ng/ul

RT: 19.54 min Scan# 2842

Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

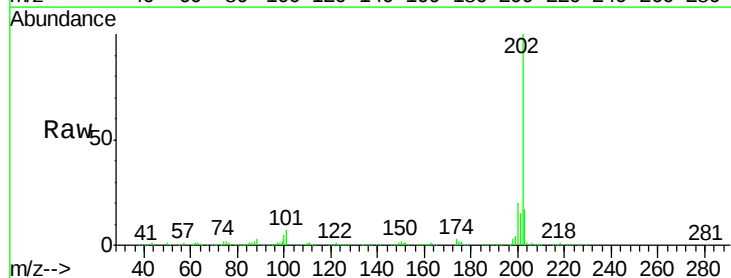
Tgt Ion:202 Resp: 214487

Ion Ratio Lower Upper

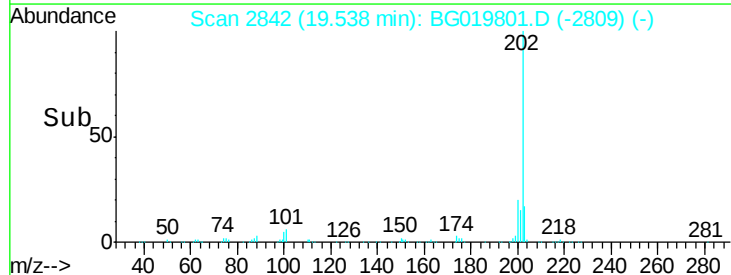
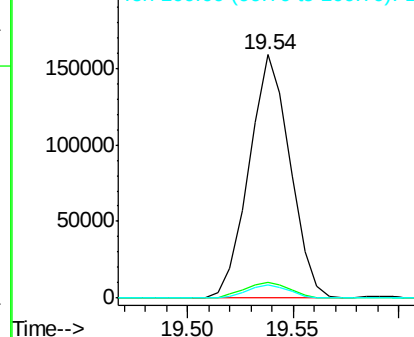
202 100

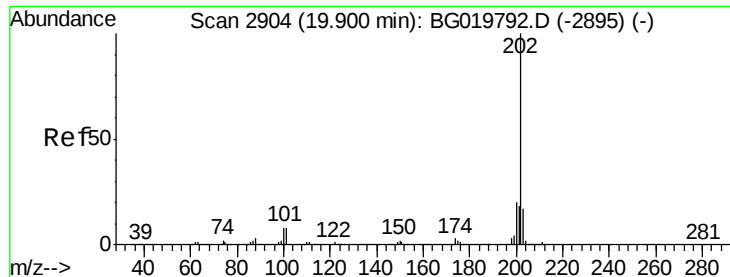
101 6.6 5.2 7.8

100 5.3 5.0 7.4



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

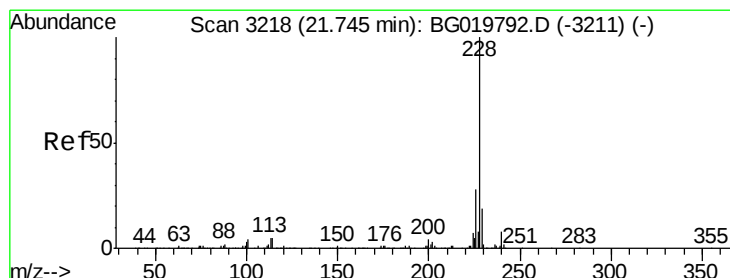
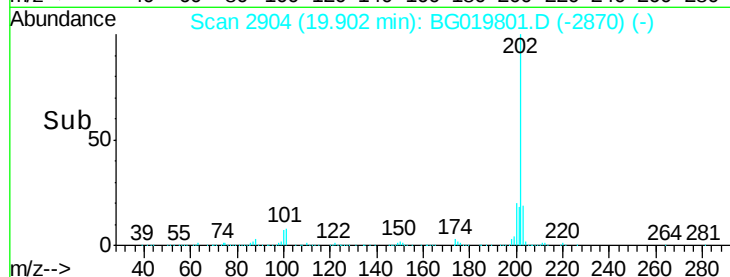
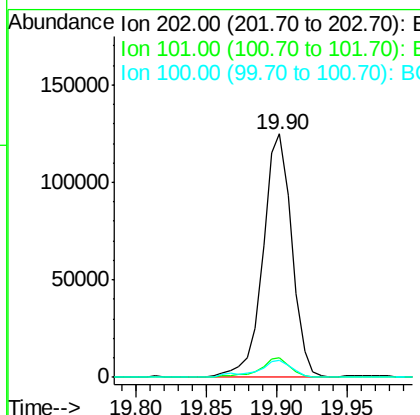
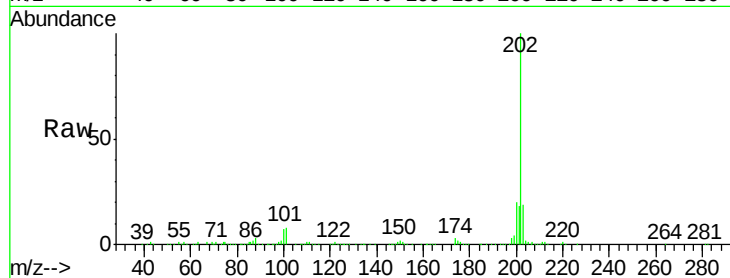




#80
 Pyrene
 Concen: 10.97 ng/ul
 RT: 19.90 min Scan# 2904
 Delta R.T. 0.00 min
 Lab File: BG019801.D
 Acq: 23 Nov 2015 3:47

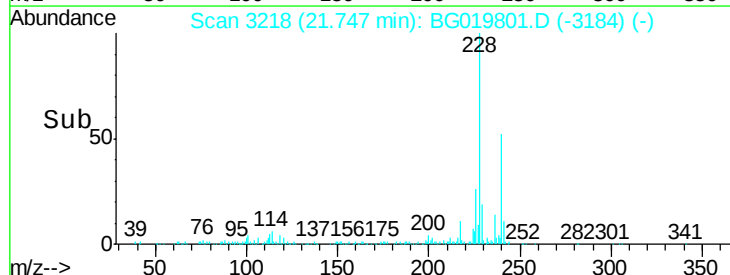
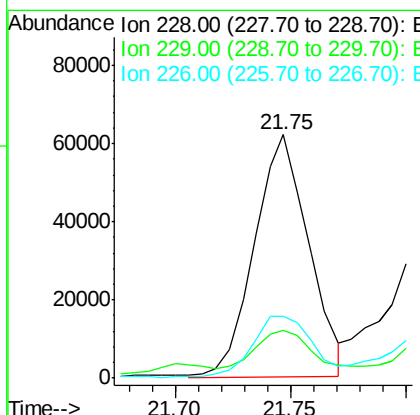
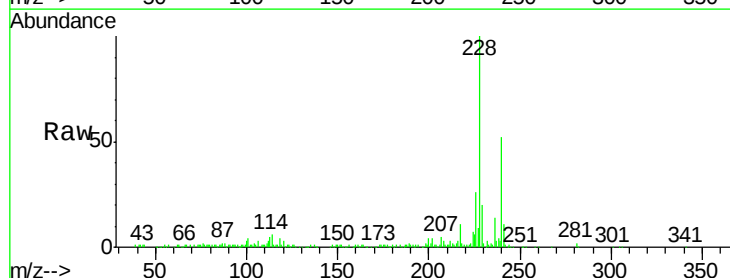
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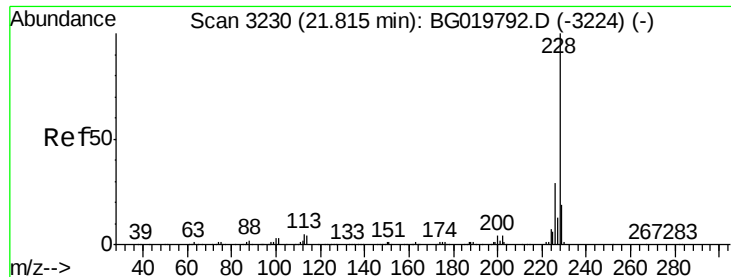
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.0	10.6
100	7.1	6.6	10.0



#83
 Benzo(a)anthracene
 Concen: 5.94 ng/ul
 RT: 21.75 min Scan# 3218
 Delta R.T. 0.00 min
 Lab File: BG019801.D
 Acq: 23 Nov 2015 3:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.7	23.5
226	25.6	22.6	33.8





#85

Chrysene

Concen: 6.49 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Instrument :

BNA_G

ClientSampleId :

A4J67

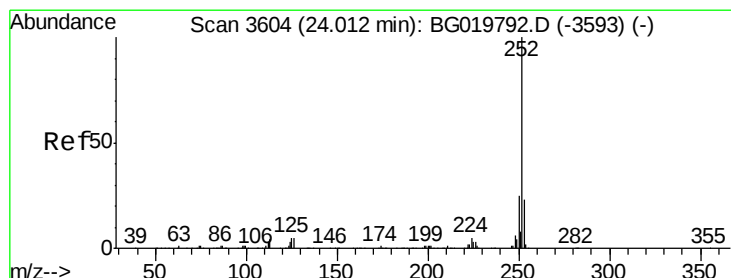
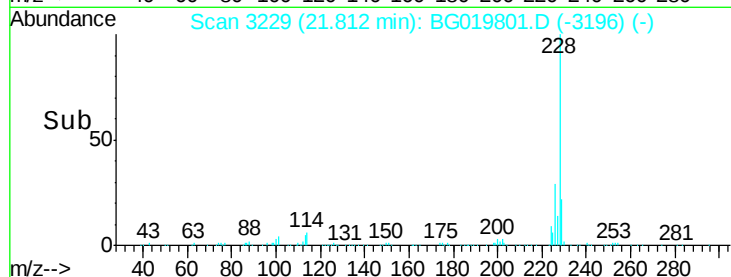
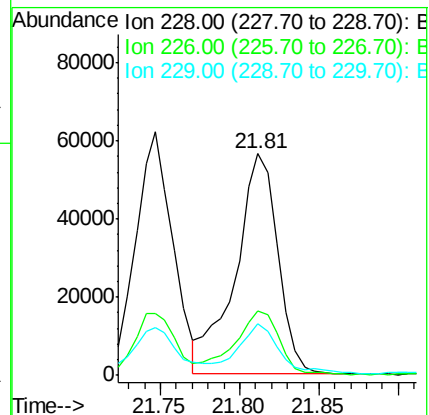
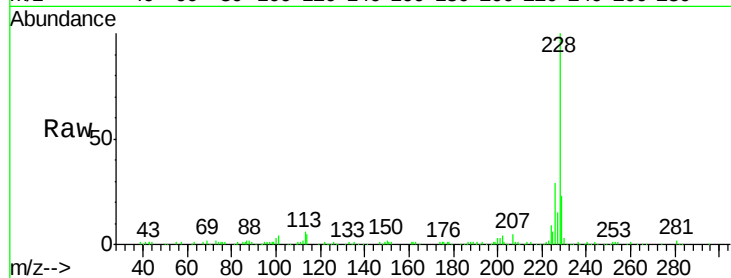
Tgt Ion:228 Resp: 104112

Ion Ratio Lower Upper

228 100

226 29.2 24.9 37.3

229 23.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 6.87 ng/ul

RT: 24.01 min Scan# 3604

Delta R.T. 0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

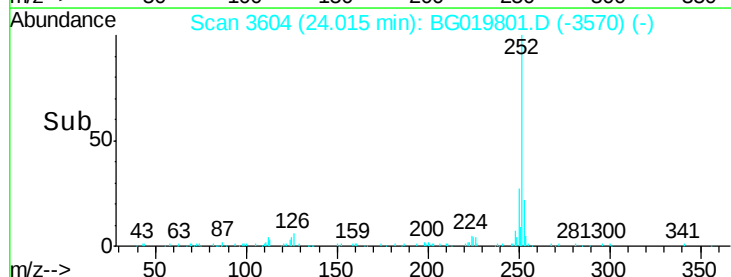
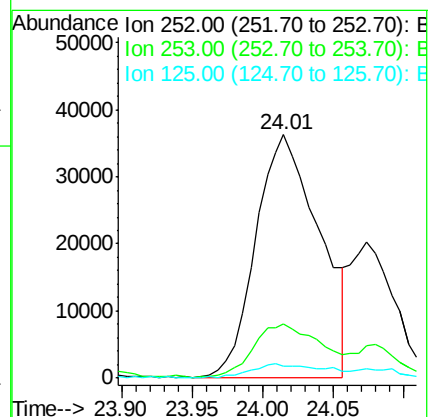
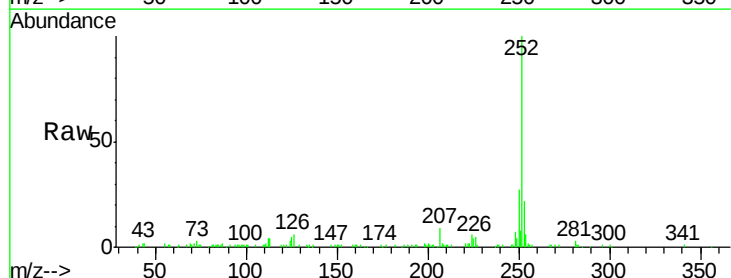
Tgt Ion:252 Resp: 114397

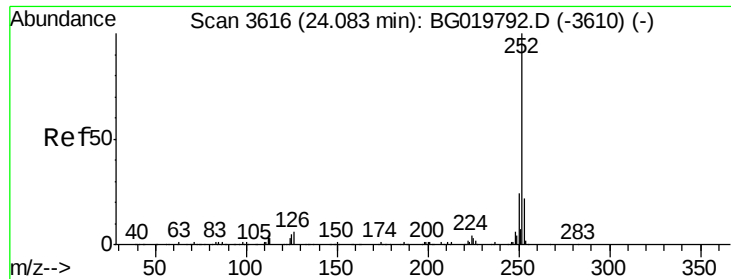
Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

125 4.9 4.2 6.4





#89

Benzo(k)fluoranthene

Concen: 7.12 ng/ul

RT: 24.01 min Scan# 3604

Delta R.T. -0.07 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

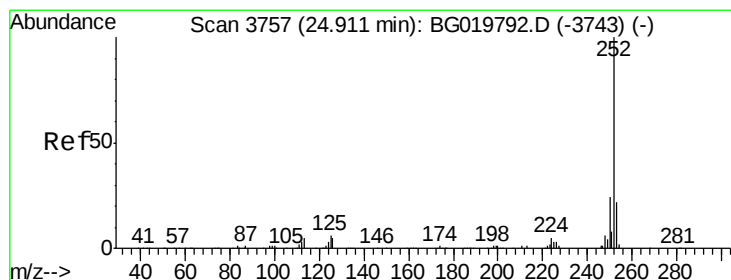
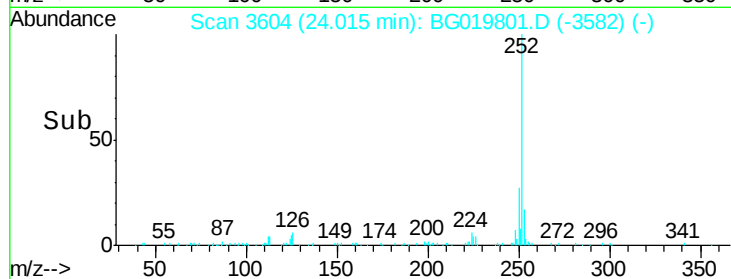
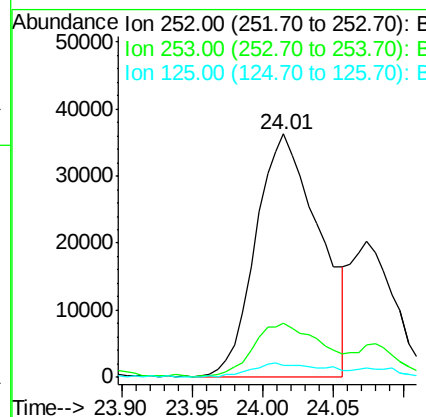
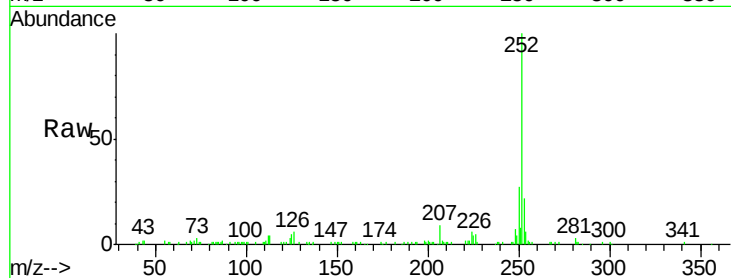
Instrument :

BNA_G

ClientSampleId :

A4J67

Tgt Ion:	252	Resp:	114397
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	4.9	4.4	6.6



#91

Benzo(a)pyrene

Concen: 5.21 ng/ul

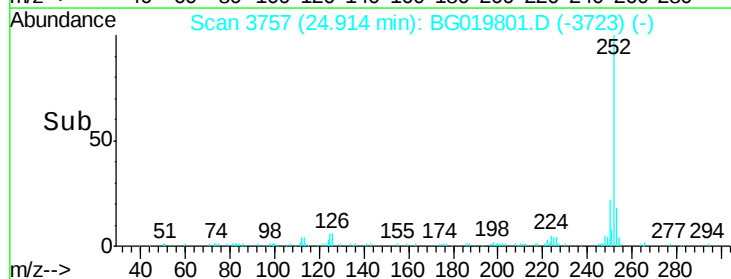
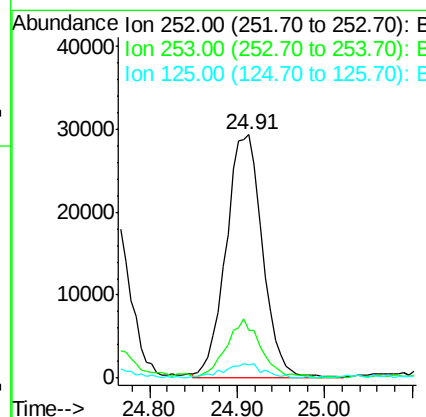
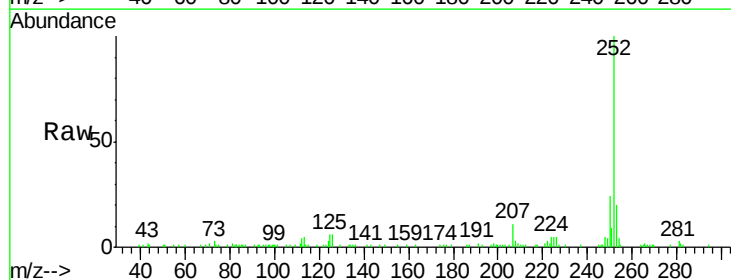
RT: 24.91 min Scan# 3757

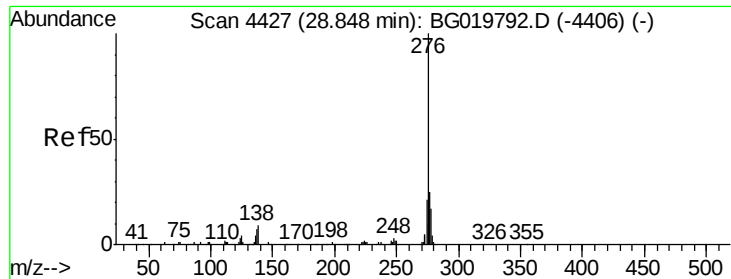
Delta R.T. 0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Tgt Ion:	252	Resp:	83553
Ion	Ratio	Lower	Upper
252	100		
253	19.6	16.9	25.3
125	5.7	5.4	8.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.25 ng/ul

RT: 28.84 min Scan# 4426

Delta R.T. -0.00 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

Instrument :

BNA_G

ClientSampleId :

A4J67

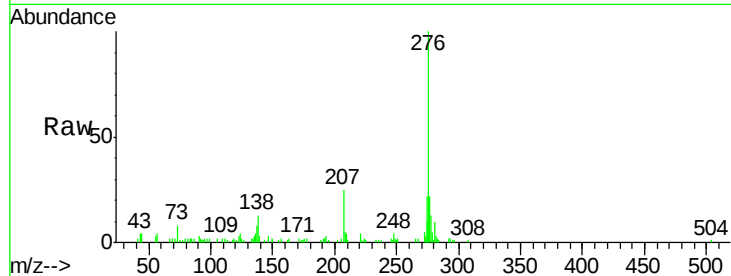
Tgt Ion:276 Resp: 58333

Ion Ratio Lower Upper

276 100

138 12.8 9.9 14.9

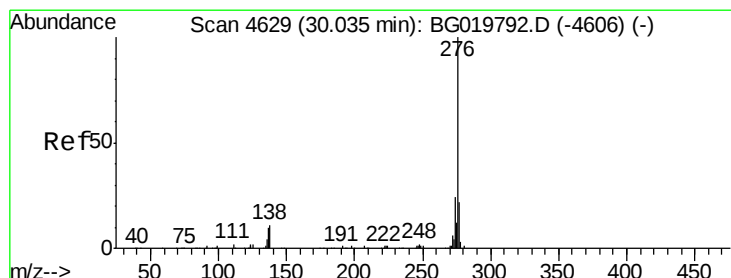
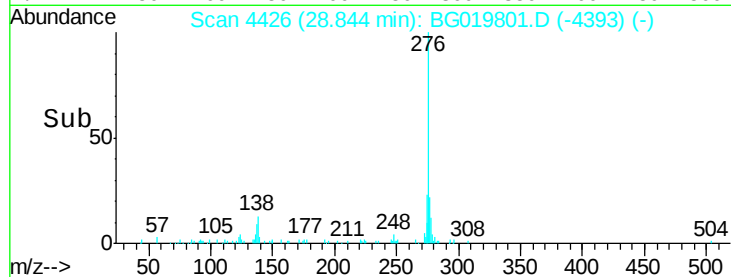
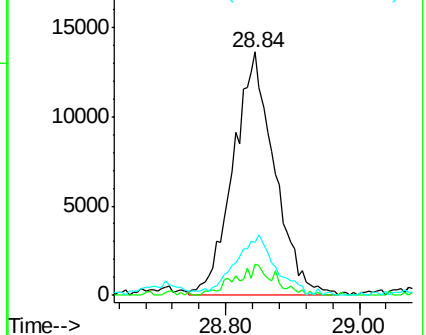
277 21.5 21.3 31.9



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



#94

Benzo(g,h,i)perylene

Concen: 1.22 ng/ul

RT: 30.01 min Scan# 4625

Delta R.T. -0.02 min

Lab File: BG019801.D

Acq: 23 Nov 2015 3:47

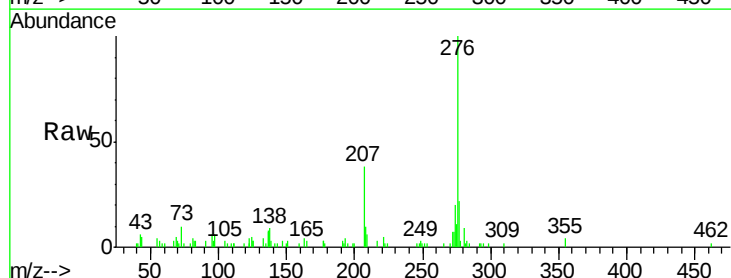
Tgt Ion:276 Resp: 18210

Ion Ratio Lower Upper

276 100

138 12.5 9.2 13.8

277 21.7 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

