

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070516\
 Data File : BG022861.D
 Acq On : 5 Jul 2016 22:06
 Operator : UM/SJ
 Sample : H3811-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4TW4

Quant Time: Jul 06 03:25:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 06 03:22:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	173242	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	785522	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	563019	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1184686	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1248315	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	1293662	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1899	0.61	ng/uL	0.00
5) Phenol-d5	7.30	99	209128	11.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	125364	12.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	138547	11.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	174720	12.34	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	81283	12.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	92375	12.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	192853	12.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	657	0.05	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	655871	14.34	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	720126	13.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	111444	15.52	ng/ul	0.00
57) Fluorene-d10	15.79	176	611162	14.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	89588	11.76	ng/ul	0.00
70) Anthracene-d10	17.65	188	914395	16.61	ng/ul	0.00
76) Pyrene-d10	19.93	212	1210323	20.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1158340	18.85	ng/ul	0.01

Target Compounds

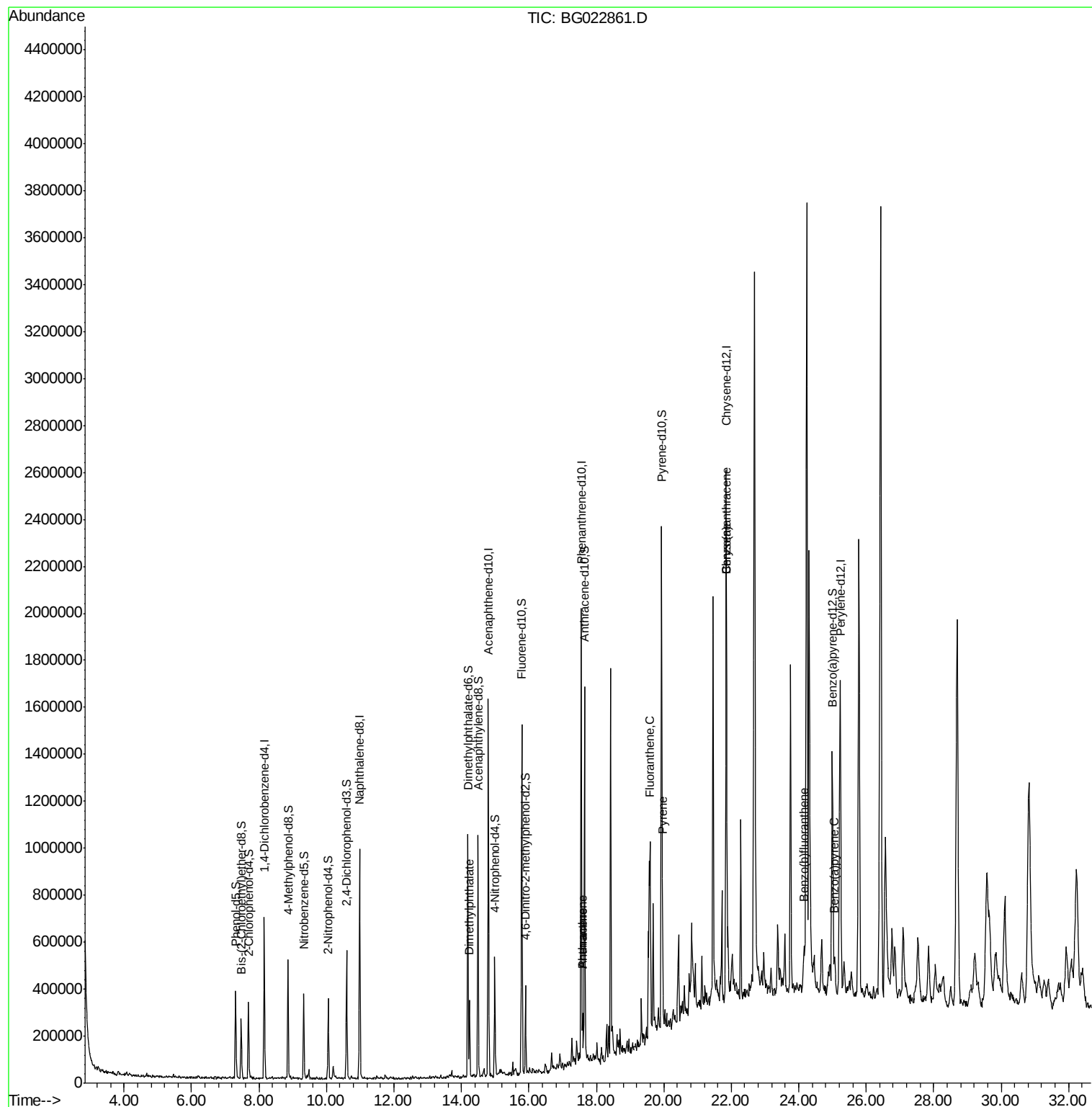
						Qvalue
44) Dimethylphthalate	14.24	163	191676	4.10	ng/ul#	96
69) Phenanthrene	17.59	178	114528	1.89	ng/ul	98
71) Anthracene	17.59	178	114710	1.84	ng/ul	99
74) Fluoranthene	19.60	202	302082	4.79	ng/ul#	86
77) Pyrene	19.96	202	361314	5.17	ng/ul#	81
80) Benzo(a)anthracene	21.83	228	170245	2.33	ng/ul	98
82) Chrysene	21.83	228	170697	2.56	ng/ul	96
85) Benzo(b)fluoranthene	24.14	252	153796	1.90	ng/ul#	94
88) Benzo(a)pyrene	25.05	252	77288	1.01	ng/ul#	90

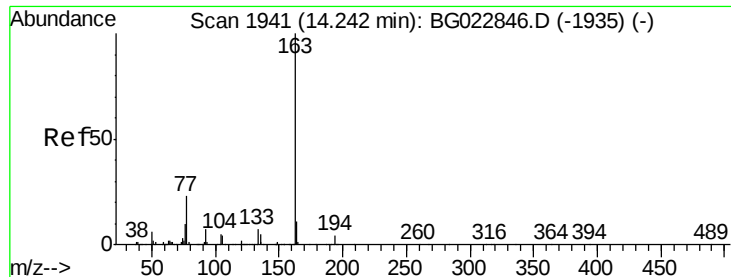
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 4.10 ng/ul

RT: 14.24 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

Instrument :

BNA_G

ClientSampleId :

A4TW4

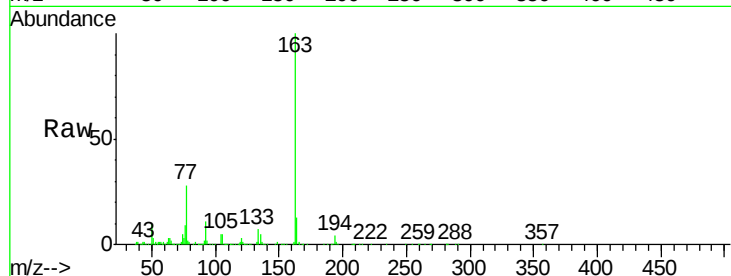
Tgt Ion:163 Resp: 191676

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

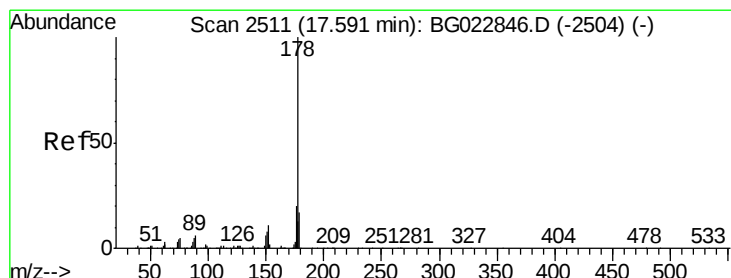
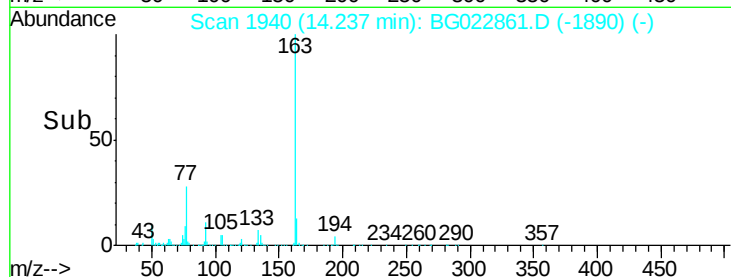
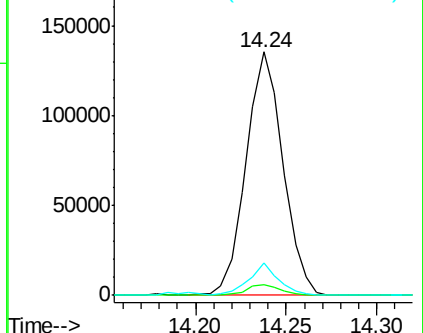
164 13.3 8.8 13.2#



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



#69

Phenanthrene

Concen: 1.89 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

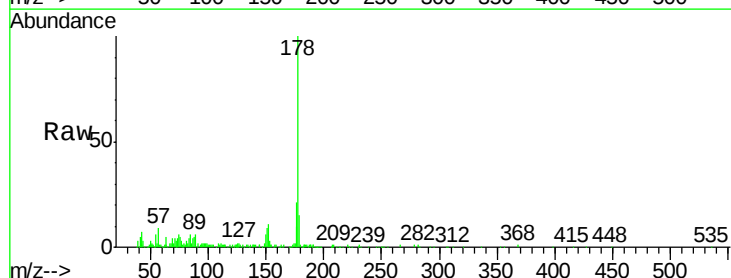
Tgt Ion:178 Resp: 114528

Ion Ratio Lower Upper

178 100

179 15.0 12.9 19.3

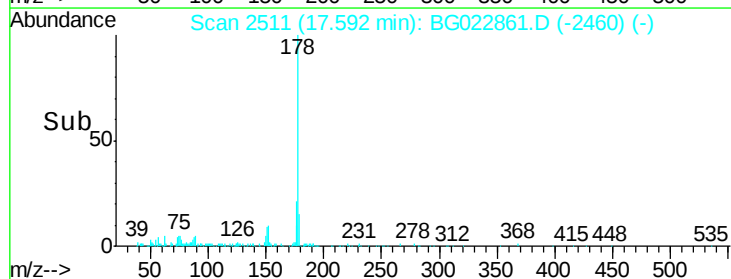
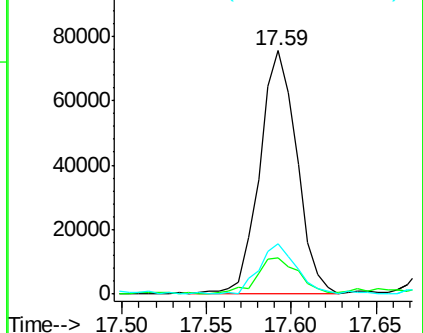
176 20.8 15.8 23.8

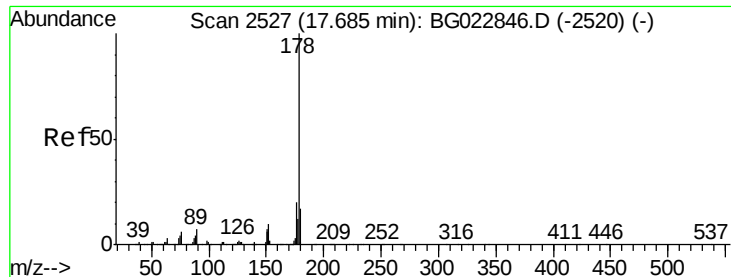


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.84 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.09 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

Instrument :

BNA_G

ClientSampleId :

A4TW4

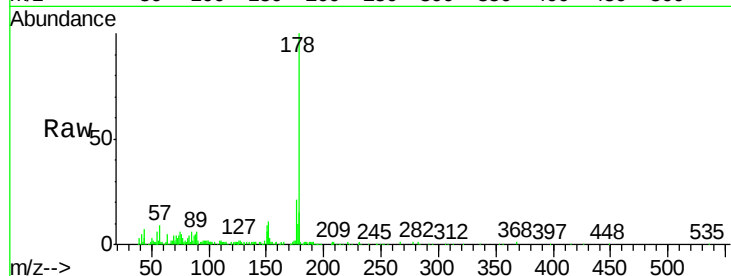
Tgt Ion:178 Resp: 114710

Ion Ratio Lower Upper

178 100

179 15.0 12.3 18.5

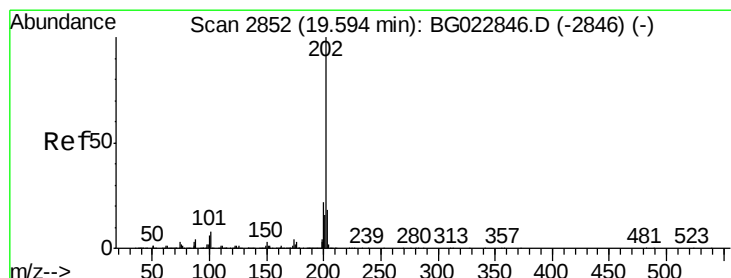
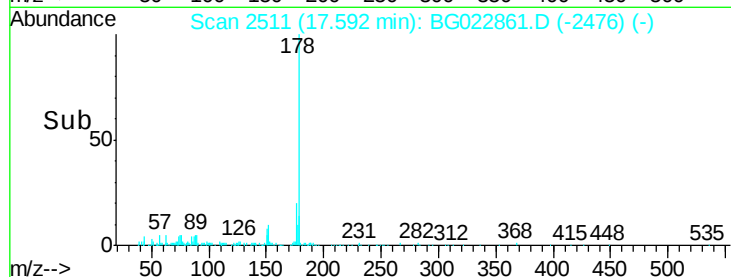
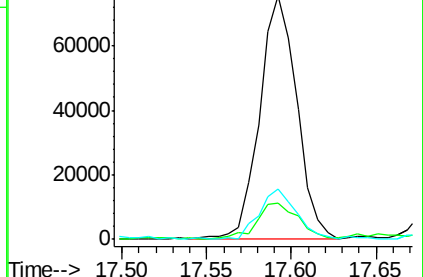
176 20.8 16.3 24.5



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: 4.79 ng/ul

RT: 19.60 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

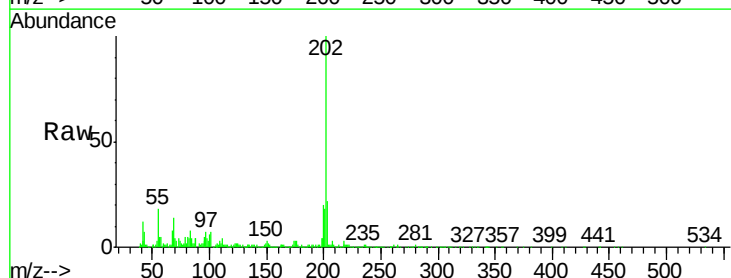
Tgt Ion:202 Resp: 302082

Ion Ratio Lower Upper

202 100

101 7.4 10.6 16.0#

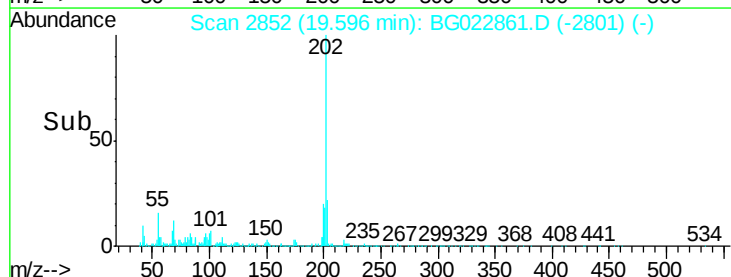
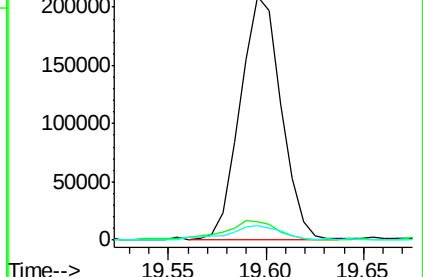
100 5.9 8.7 13.1#

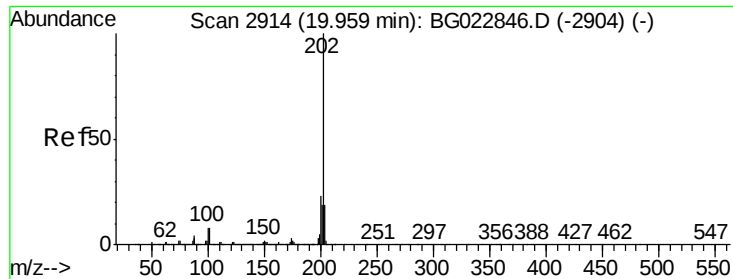


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 5.17 ng/ul

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

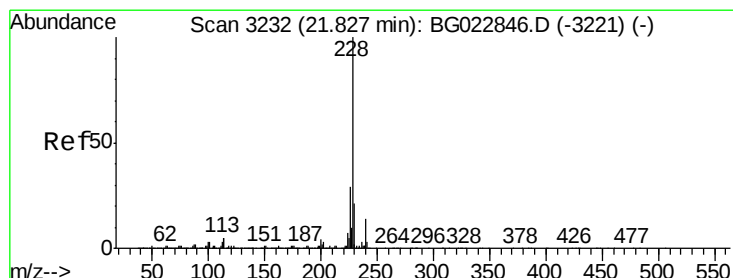
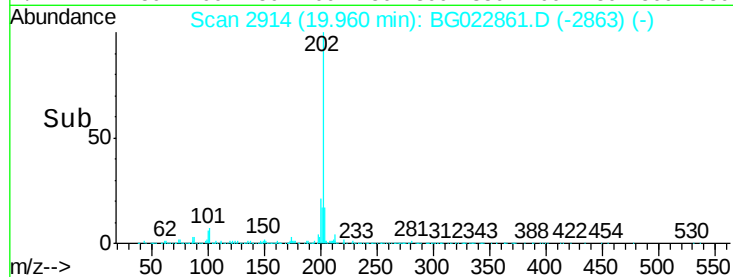
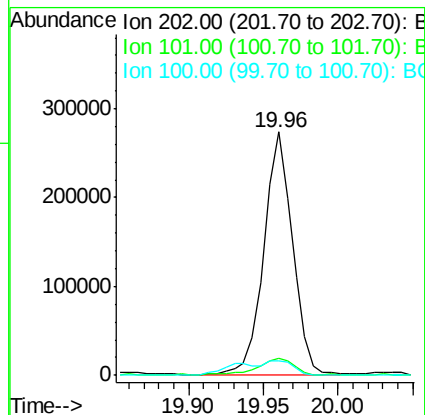
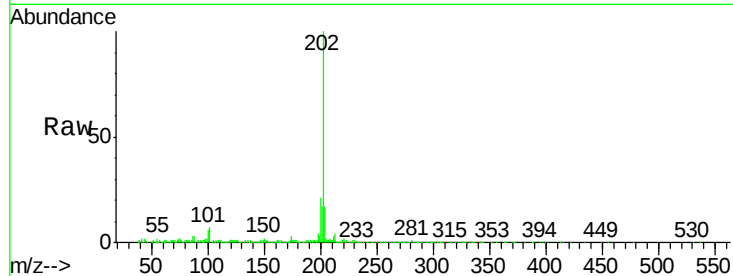
Instrument :

BNA_G

ClientSampleId :

A4TW4

Tgt Ion:	202	Resp:	361314
Ion Ratio	Lower	Upper	
202	100		
101	7.2	12.5	18.7#
100	6.1	10.2	15.4#



#80

Benzo(a)anthracene

Concen: 2.33 ng/ul

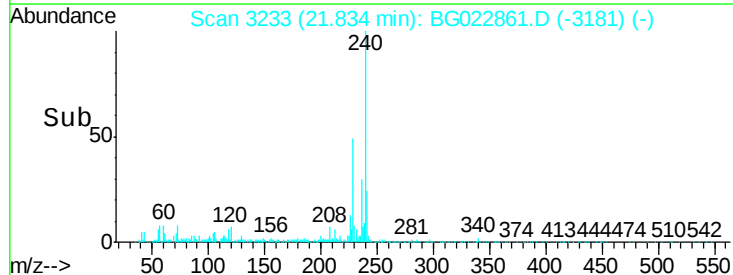
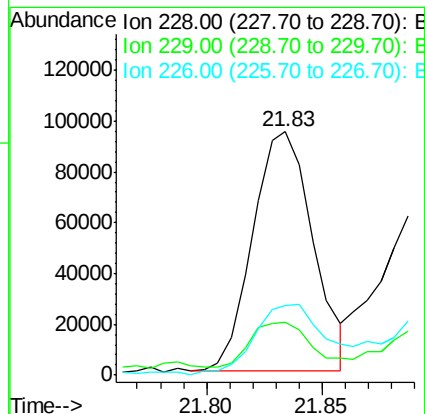
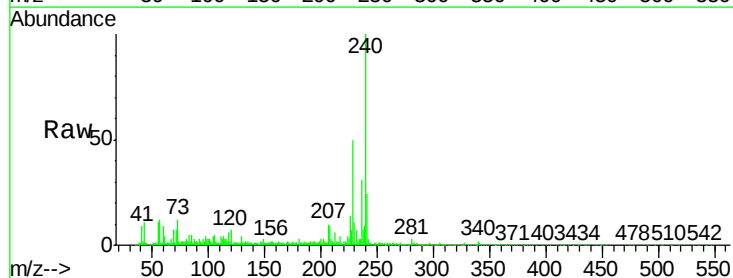
RT: 21.83 min Scan# 3233

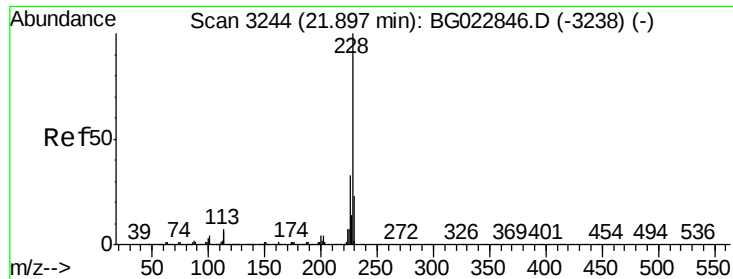
Delta R.T. 0.01 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

Tgt Ion:	228	Resp:	170245
Ion Ratio	Lower	Upper	
228	100		
229	21.8	15.4	23.2
226	28.6	22.8	34.2





#82

Chrysene

Concen: 2.56 ng/ul

RT: 21.83 min Scan# 3233

Delta R.T. -0.06 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

Instrument :

BNA_G

ClientSampleId :

A4TW4

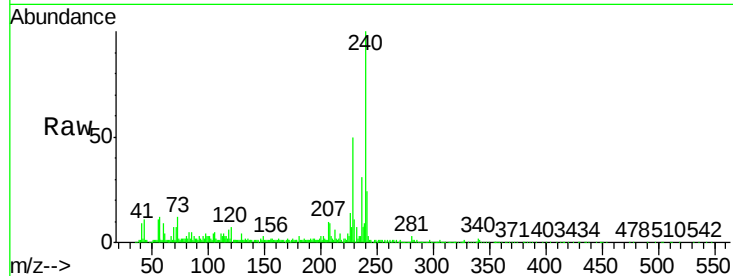
Tgt Ion:228 Resp: 170697

Ion Ratio Lower Upper

228 100

226 28.6 24.2 36.4

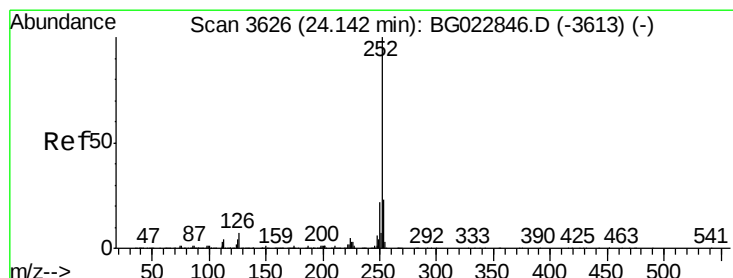
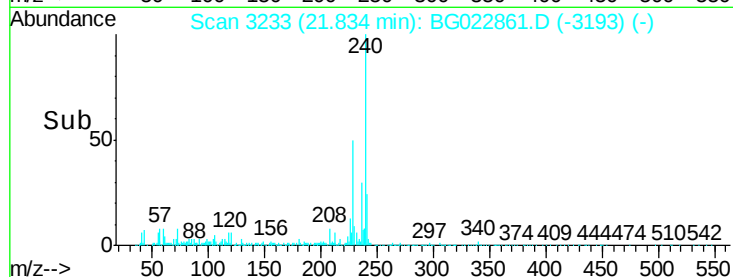
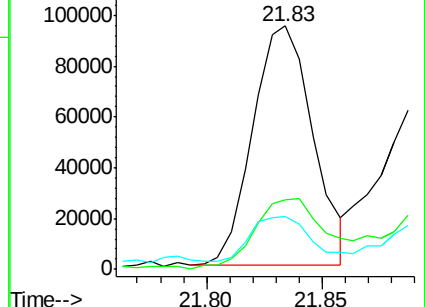
229 21.8 15.0 22.6



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: 1.90 ng/ul

RT: 24.14 min Scan# 3626

Delta R.T. 0.00 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

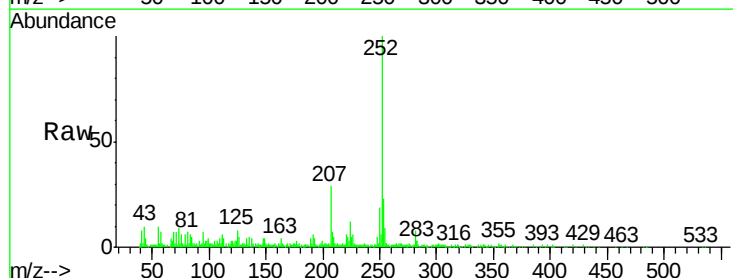
Tgt Ion:252 Resp: 153796

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

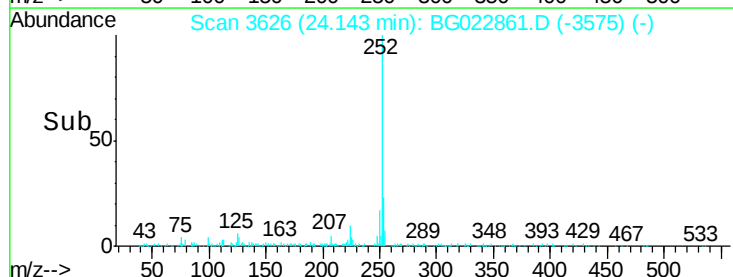
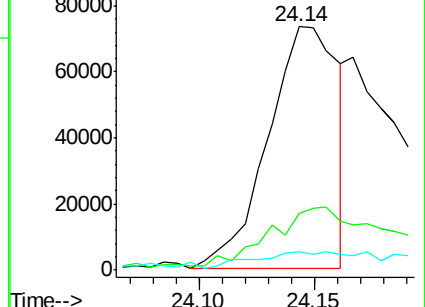
125 7.6 10.8 16.2#

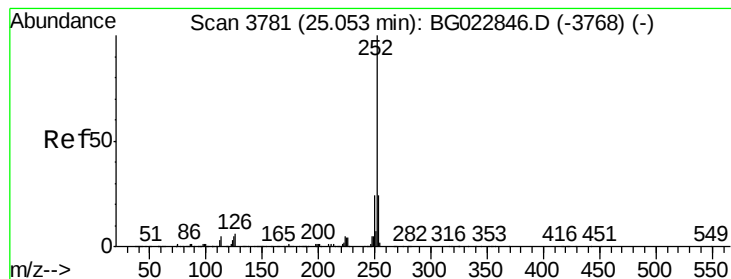


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.01 ng/ul

RT: 25.05 min Scan# 3781

Delta R.T. 0.00 min

Lab File: BG022861.D

Acq: 5 Jul 2016 22:06

Instrument :

BNA_G

ClientSampleId :

A4TW4

Tgt Ion:252 Resp: 77288

Ion Ratio Lower Upper

252 100

253 22.9 19.0 28.4

125 5.8 12.0 18.0#

