

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
 Data File : BG020711.D
 Acq On : 13 Jan 2016 21:41
 Operator : SJ/IZ
 Sample : H1096-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9C2

Quant Time: Jan 14 10:10:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 13 07:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	16793	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	70363	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	50187	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	138430	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	165105	20.00	ng/ul	0.00
86) Perylene-d12	24.94	264	156242	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	1400	4.07	ng/uL	0.00
5) Phenol-d5	7.20	99	30811	21.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	19621	22.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	25098	22.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	23500	19.36	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	13335	24.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	15870	24.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.49	165	28464	23.18	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	31394	25.83	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	109338	24.97	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	125834	25.59	ng/ul	0.00
52) 4-Nitrophenol-d4	14.89	143	12010	20.42	ng/ul	0.00
58) Fluorene-d10	15.67	176	100986	25.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	17097	22.71	ng/ul	0.00
71) Anthracene-d10	17.52	188	170542	25.13	ng/ul	0.00
79) Pyrene-d10	19.81	212	211404	26.91	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	216216	25.96	ng/ul	0.00

Target Compounds

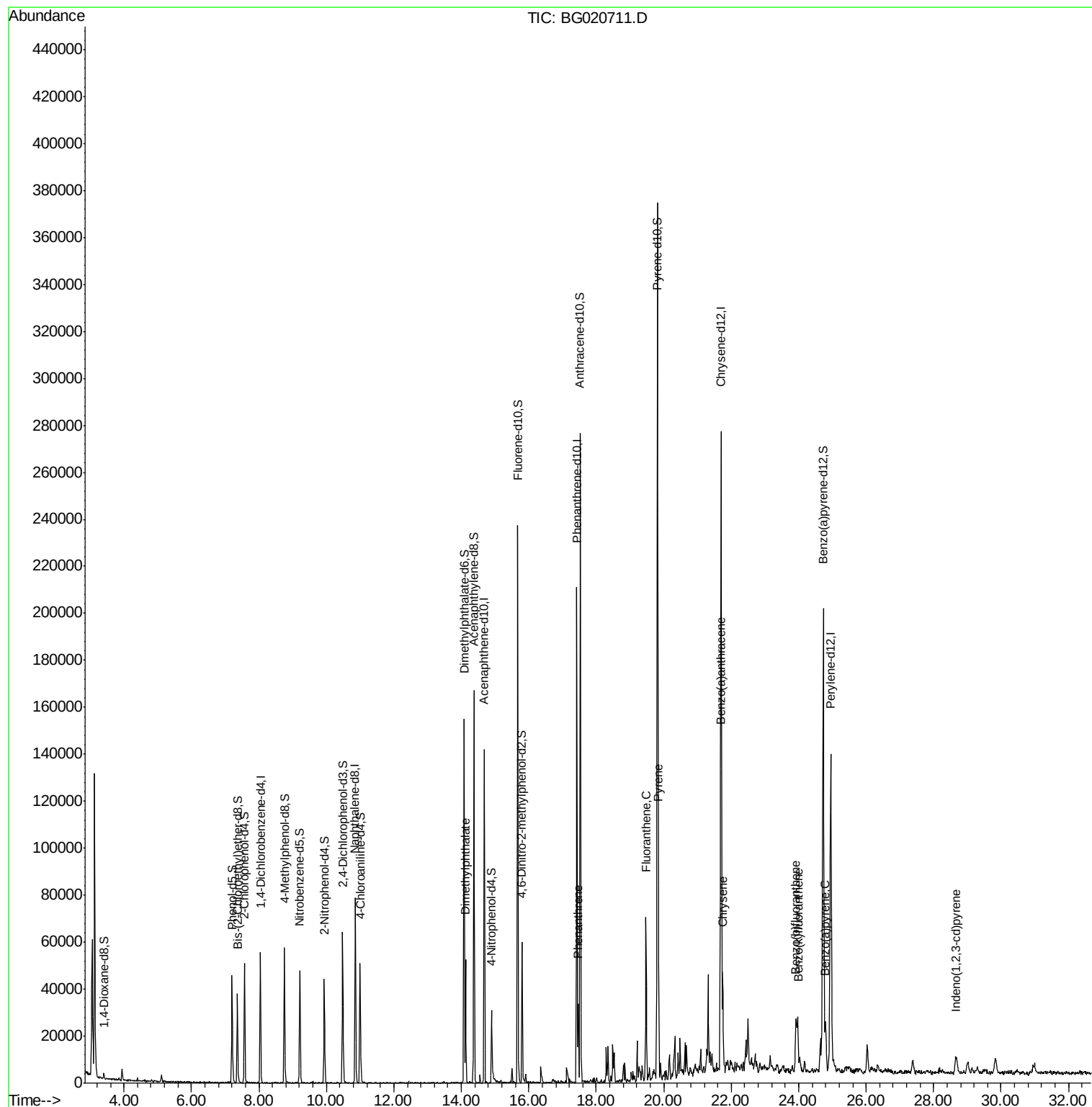
						Qvalue
45) Dimethylphthalate	14.13	163	37148	7.89	ng/ul	97
70) Phenanthrene	17.47	178	22707	2.76	ng/ul	97
77) Fluoranthene	19.48	202	46698	4.66	ng/ul	97
80) Pyrene	19.84	202	60941	5.82	ng/ul	97
83) Benzo(a)anthracene	21.68	228	29515	2.87	ng/ul	97
85) Chrysene	21.74	228	32484	3.34	ng/ul	96
88) Benzo(b)fluoranthene	23.92	252	30673	3.05	ng/ul	97
89) Benzo(k)fluoranthene	23.98	252	10011	1.01	ng/ul	99
91) Benzo(a)pyrene	24.80	252	25561	2.64	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.66	276	14494	1.27	ng/ul#	90

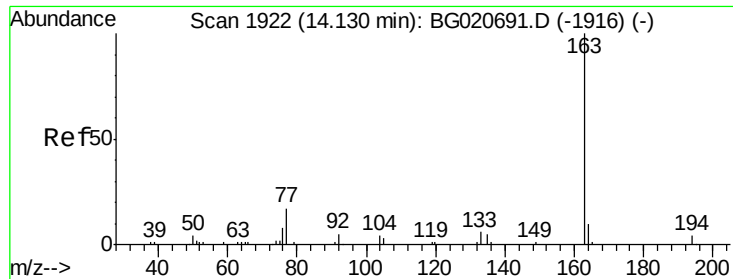
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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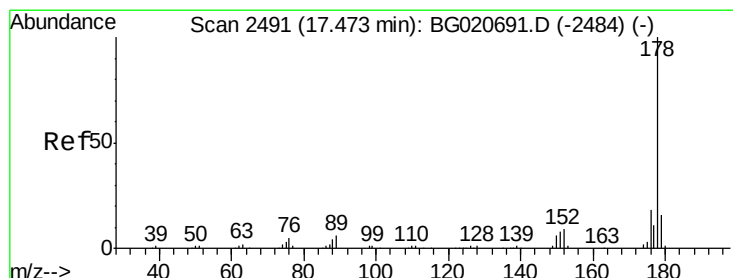
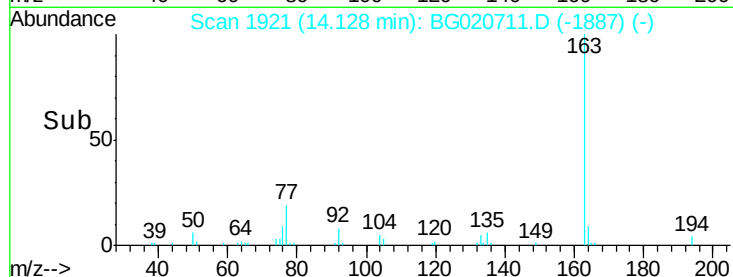
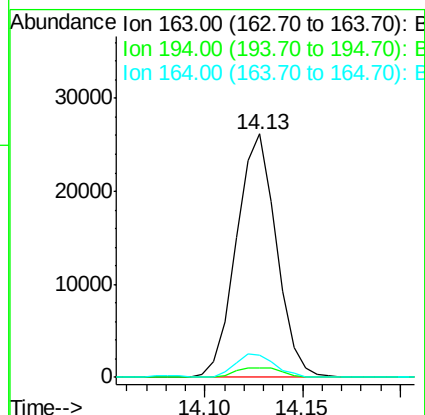
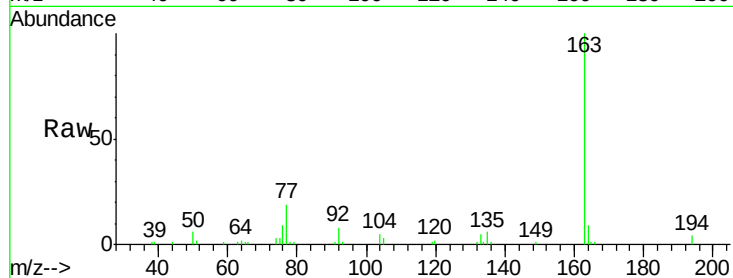




#45
Dimethylphthalate
Concen: 7.89 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG020711.D
Acq: 13 Jan 2016 21:41

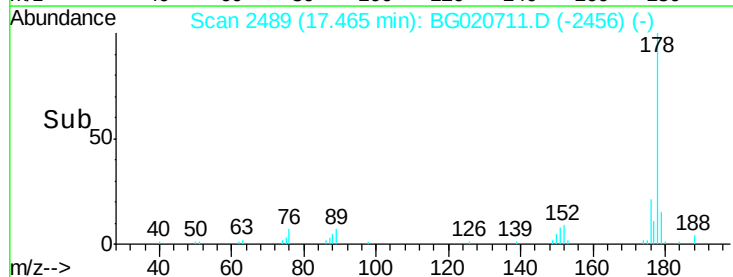
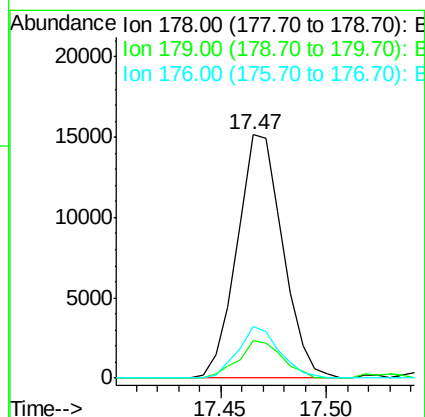
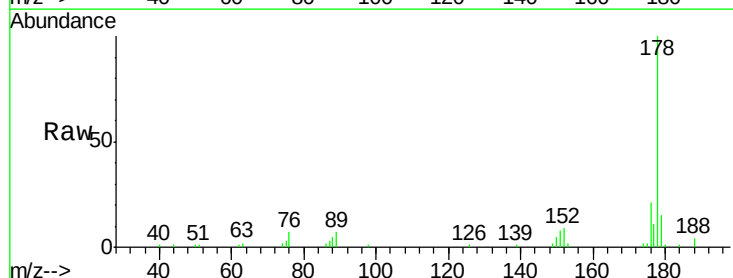
Instrument :
BNA_G
ClientSampleId :
BC9C2

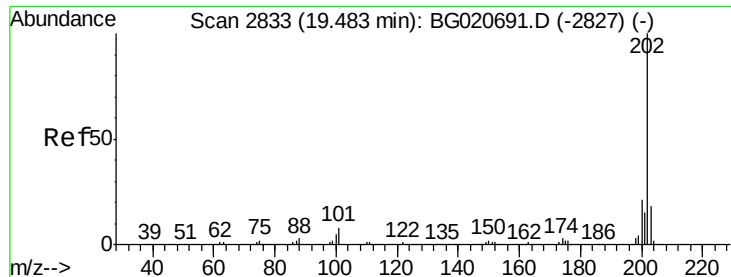
Tgt Ion:163 Resp: 37148
Ion Ratio Lower Upper
163 100
194 4.1 4.0 6.0
164 9.3 8.4 12.6



#70
Phenanthrene
Concen: 2.76 ng/ul
RT: 17.47 min Scan# 2489
Delta R.T. -0.01 min
Lab File: BG020711.D
Acq: 13 Jan 2016 21:41

Tgt Ion:178 Resp: 22707
Ion Ratio Lower Upper
178 100
179 15.3 12.3 18.5
176 21.4 15.4 23.0

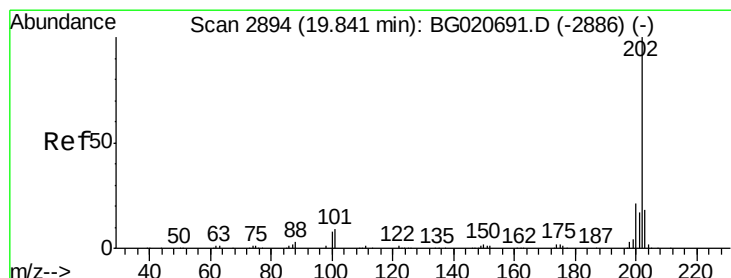
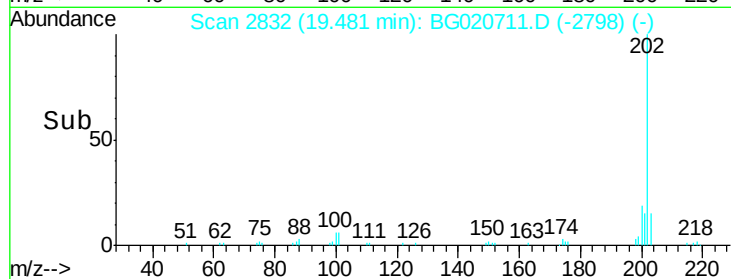
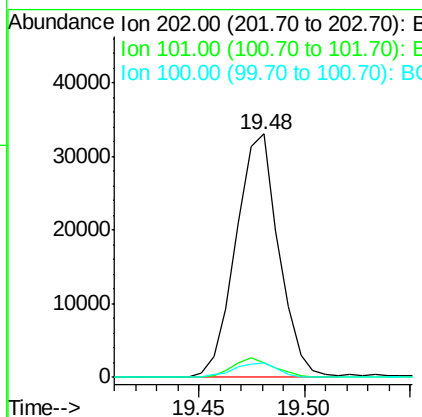
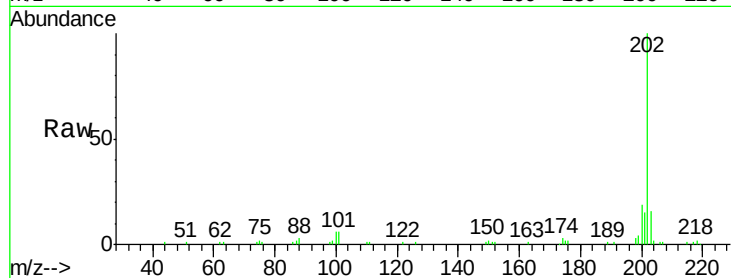




#77
Fluoranthene
Concen: 4.66 ng/ul
RT: 19.48 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BG020711.D
Acq: 13 Jan 2016 21:41

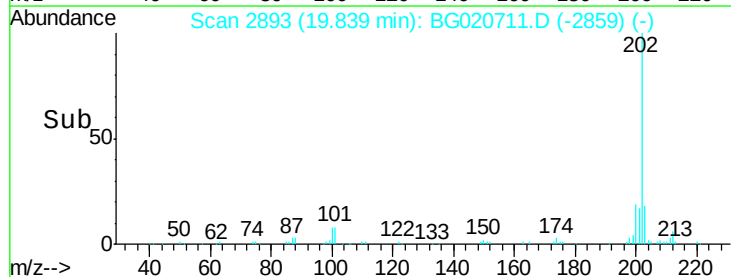
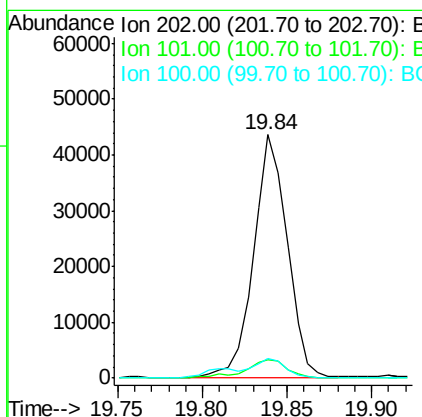
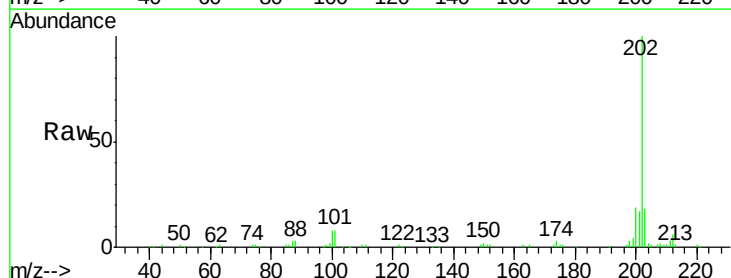
Instrument :
BNA_G
ClientSampleId :
BC9C2

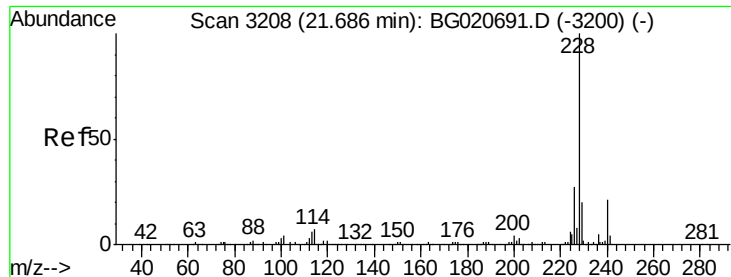
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	6.1	9.1
100	5.9	4.6	7.0



#80
Pyrene
Concen: 5.82 ng/ul
RT: 19.84 min Scan# 2893
Delta R.T. -0.00 min
Lab File: BG020711.D
Acq: 13 Jan 2016 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.9	10.3
100	8.0	5.6	8.4

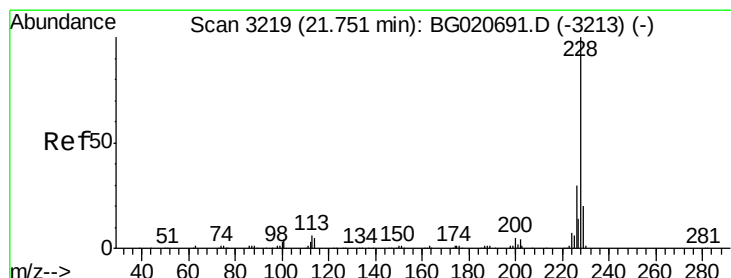
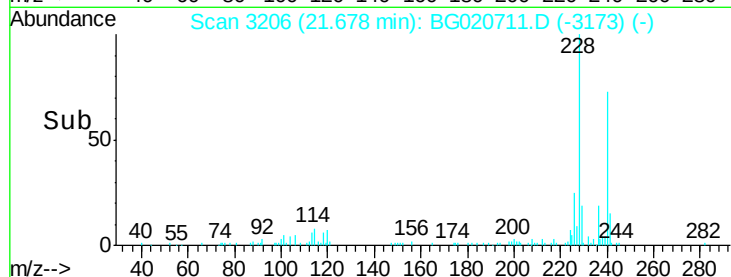
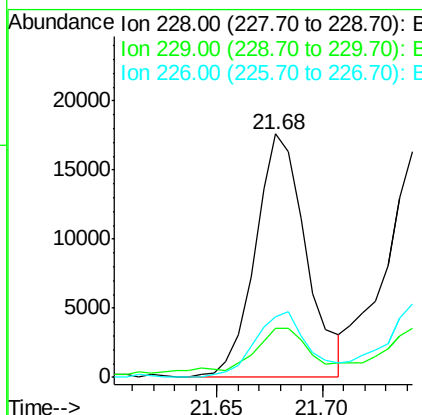
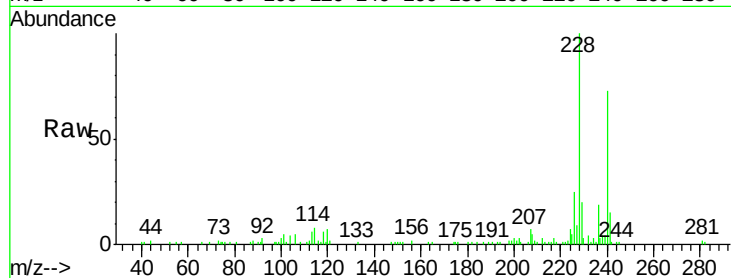




#83
Benzo(a)anthracene
Concen: 2.87 ng/ul
RT: 21.68 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BG020711.D
Acq: 13 Jan 2016 21:41

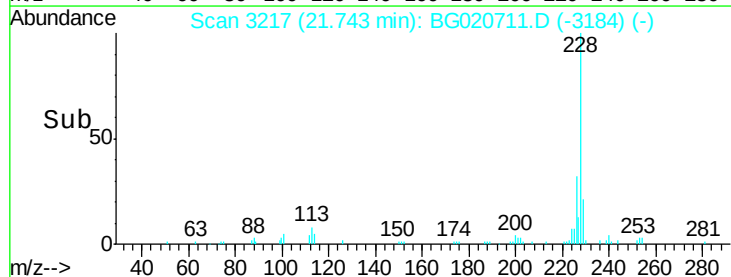
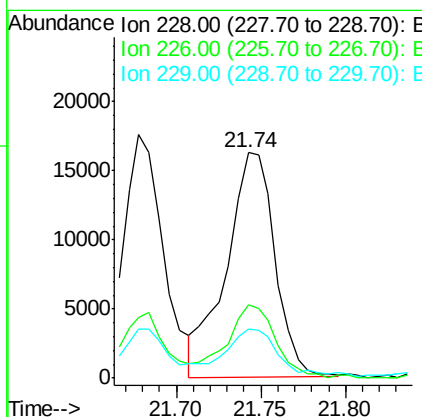
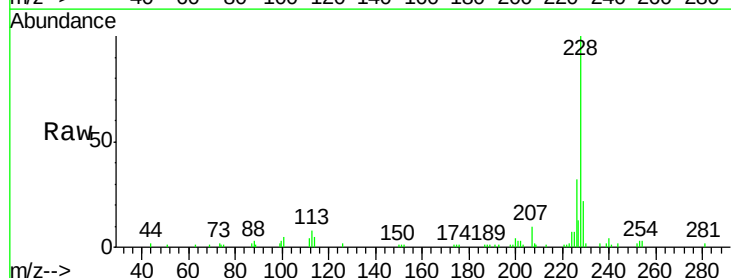
Instrument :
BNA_G
ClientSampleId :
BC9C2

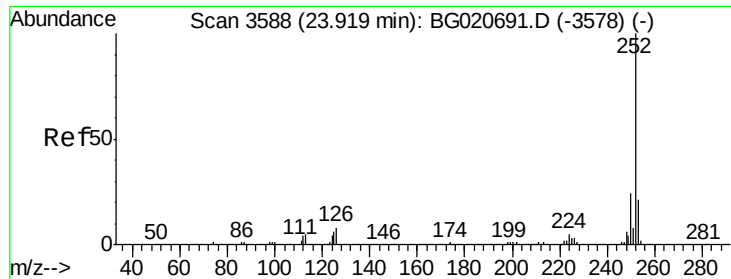
Tgt Ion:228 Resp: 29515
Ion Ratio Lower Upper
228 100
229 20.2 16.0 24.0
226 25.0 21.8 32.8



#85
Chrysene
Concen: 3.34 ng/ul
RT: 21.74 min Scan# 3217
Delta R.T. -0.01 min
Lab File: BG020711.D
Acq: 13 Jan 2016 21:41

Tgt Ion:228 Resp: 32484
Ion Ratio Lower Upper
228 100
226 32.3 24.1 36.1
229 21.9 16.0 24.0





#88

Benzo(b)fluoranthene

Concen: 3.05 ng/ul

RT: 23.92 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BG020711.D

Acq: 13 Jan 2016 21:41

Instrument :

BNA_G

ClientSampleId :

BC9C2

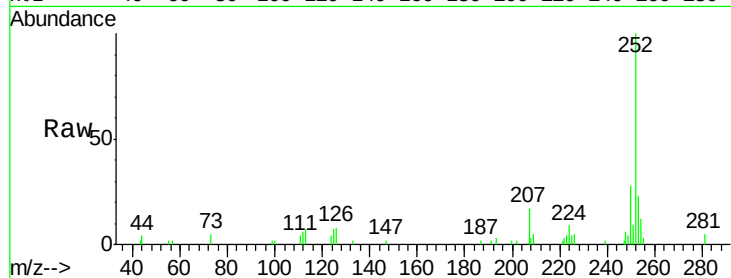
Tgt Ion:252 Resp: 30673

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

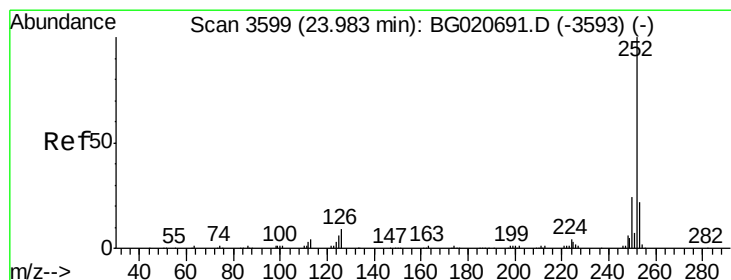
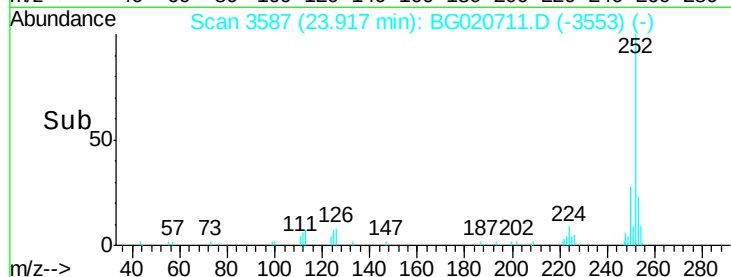
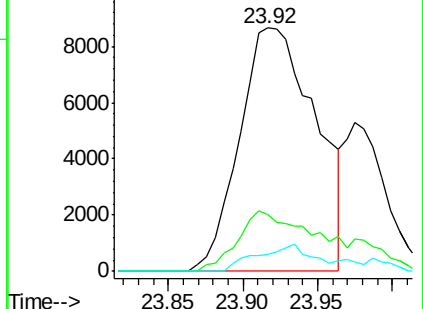
125 6.9 4.9 7.3



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



#89

Benzo(k)fluoranthene

Concen: 1.01 ng/ul

RT: 23.98 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020711.D

Acq: 13 Jan 2016 21:41

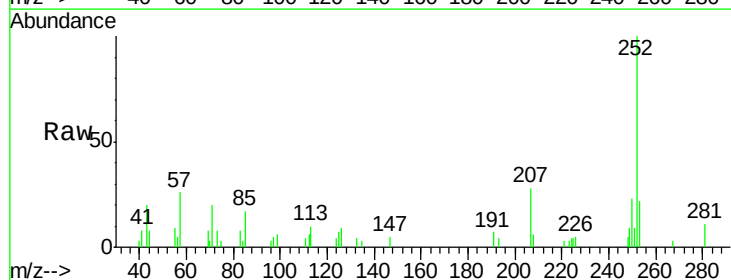
Tgt Ion:252 Resp: 10011

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

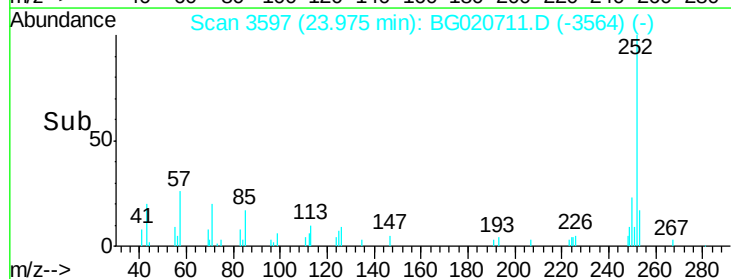
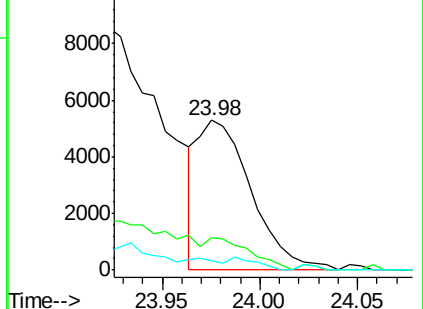
125 6.5 5.4 8.0

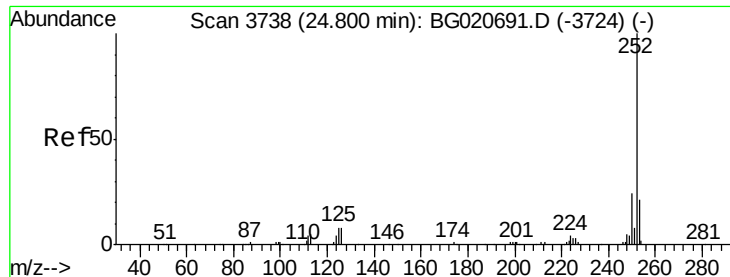


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 2.64 ng/ul

RT: 24.80 min Scan# 3737

Delta R.T. -0.00 min

Lab File: BG020711.D

Acq: 13 Jan 2016 21:41

Instrument :

BNA_G

ClientSampleId :

BC9C2

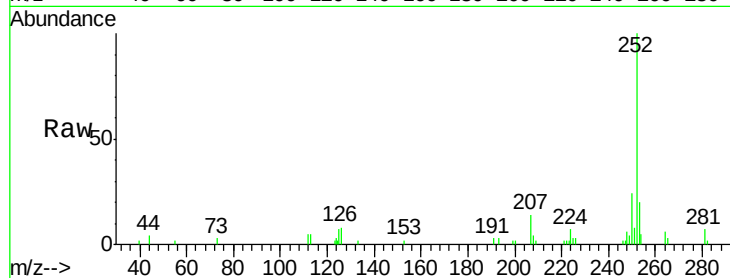
Tgt Ion:252 Resp: 25561

Ion Ratio Lower Upper

252 100

253 19.8 17.2 25.8

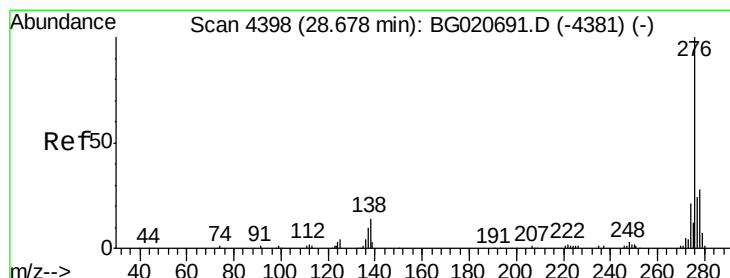
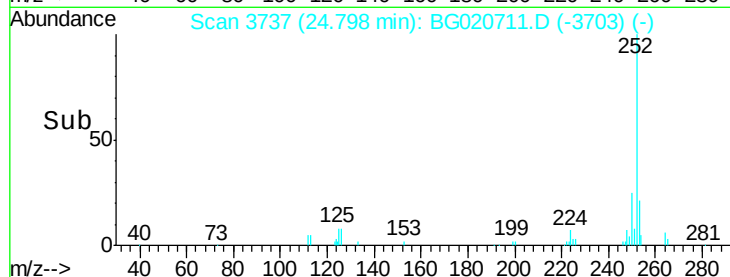
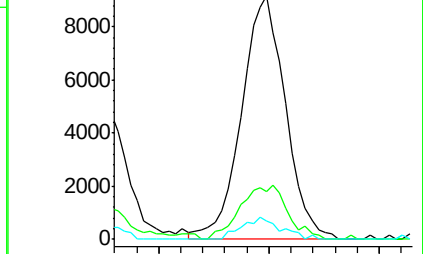
125 7.5 5.8 8.6



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.27 ng/ul

RT: 28.66 min Scan# 4395

Delta R.T. -0.01 min

Lab File: BG020711.D

Acq: 13 Jan 2016 21:41

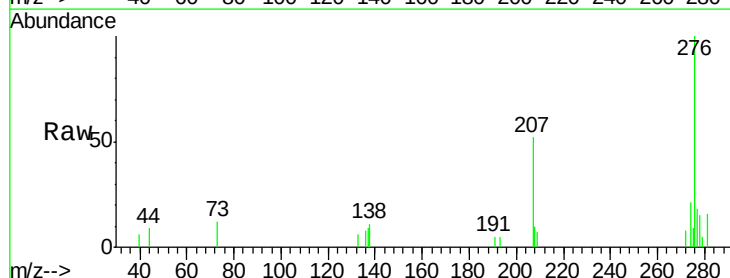
Tgt Ion:276 Resp: 14494

Ion Ratio Lower Upper

276 100

138 10.8 10.9 16.3#

277 17.6 18.9 28.3#



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

