

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
 Data File : BG020694.D
 Acq On : 13 Jan 2016 6:19
 Operator : SJ/IZ
 Sample : H1094-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9E7

Quant Time: Jan 13 07:59:08 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	8.04	152	16491	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	71930	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.69	164	52870	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	145797	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	174660	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	162874	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	1115	3.30	ng/uL	0.00
5) Phenol-d5	7.21	99	26660	18.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	17362	20.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	22148	19.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	17465	14.65	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	11991	21.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	13701	20.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	23655	18.84	ng/ul	0.00
29) 4-Chloroaniline-d4	11.00	131	24473	19.70	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	100331	21.75	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	113630	21.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	9784	15.79	ng/ul	0.00
58) Fluorene-d10	15.67	176	94133	22.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	14444	18.22	ng/ul	0.00
71) Anthracene-d10	17.53	188	163732	22.91	ng/ul	0.00
79) Pyrene-d10	19.81	212	196157	23.61	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	209446	24.12	ng/ul	0.00

Target Compounds

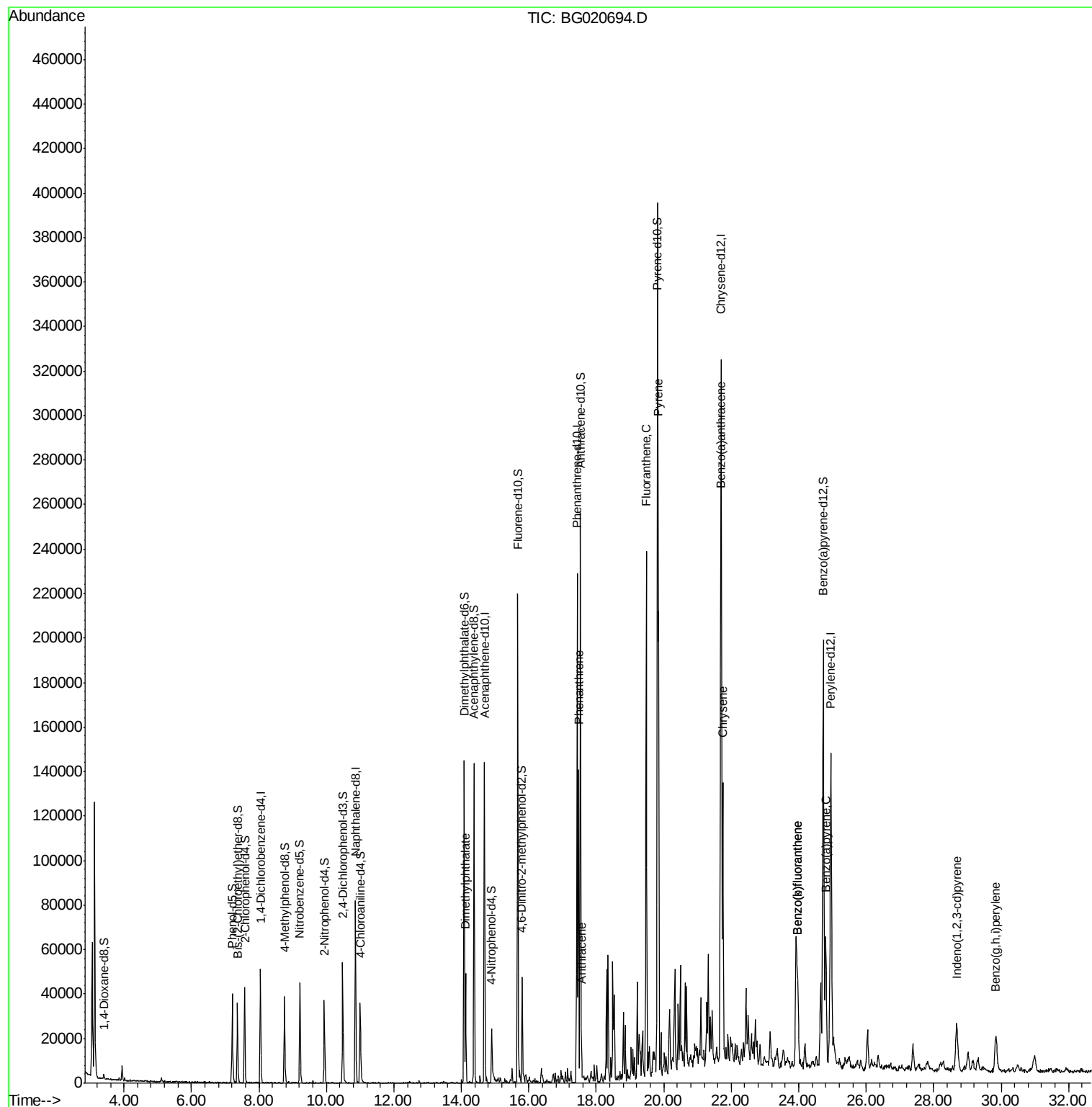
						Qvalue
45) Dimethylphthalate	14.13	163	33668	6.79	ng/ul#	99
70) Phenanthrene	17.47	178	91243	10.52	ng/ul	99
72) Anthracene	17.56	178	12023	1.37	ng/ul	98
77) Fluoranthene	19.48	202	148624	14.09	ng/ul	98
80) Pyrene	19.84	202	180633	16.31	ng/ul	98
83) Benzo(a)anthracene	21.68	228	83528	7.67	ng/ul	99
85) Chrysene	21.75	228	91904	8.92	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	26463	2.52	ng/ul	98
89) Benzo(k)fluoranthene	23.97	252	26036	2.51	ng/ul	97
91) Benzo(a)pyrene	24.80	252	65018	6.44	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.67	276	38110	3.20	ng/ul	96
94) Benzo(g,h,i)perylene	29.85	276	36209	3.68	ng/ul	100

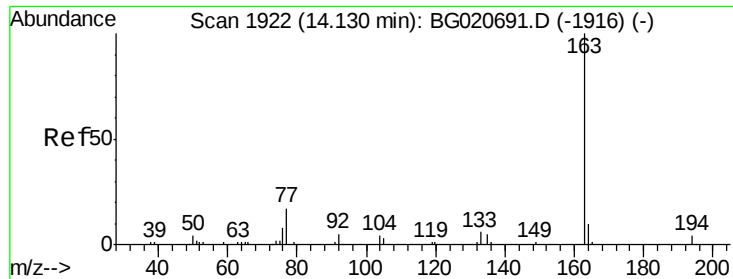
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011216\
Data File : BG020694.D
Acq On : 13 Jan 2016 6:19
Operator : SJ/IZ
Sample : H1094-15
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC9E7

Quant Time: Jan 13 07:59:08 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

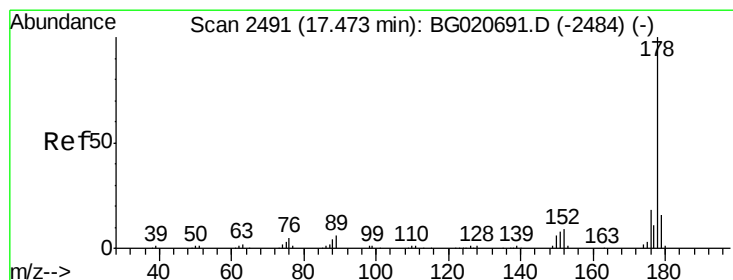
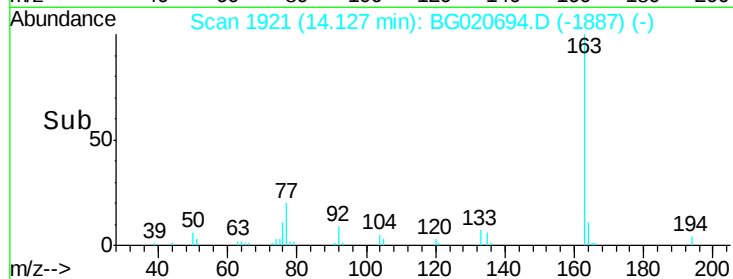
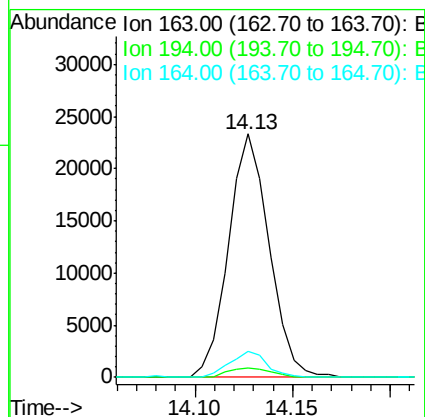
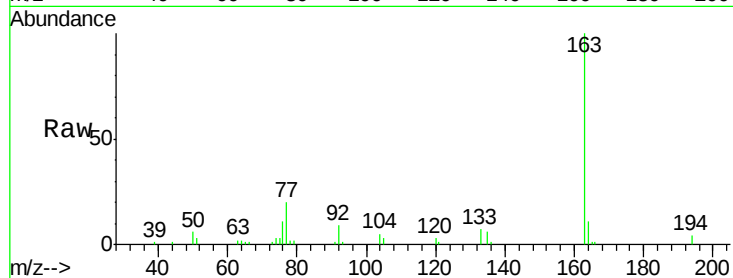




#45
Dimethylphthalate
Concen: 6.79 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

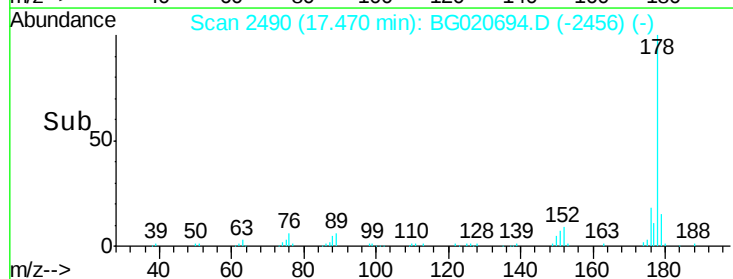
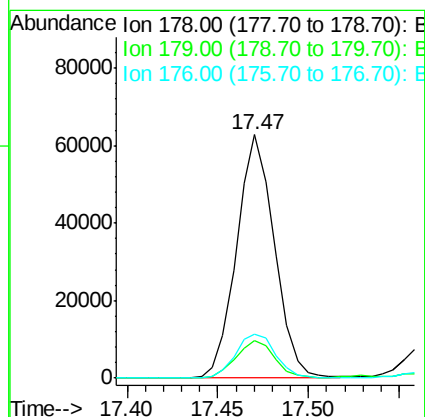
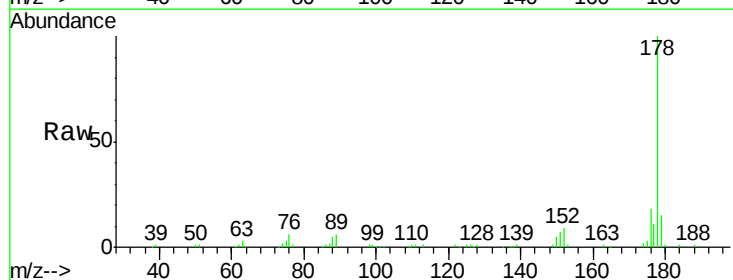
Instrument :
BNA_G
ClientSampleId :
BC9E7

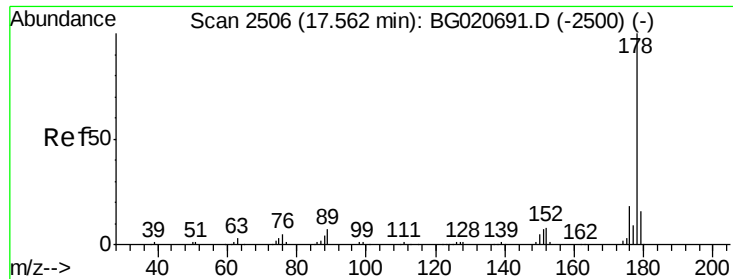
Tgt Ion:163 Resp: 33668
Ion Ratio Lower Upper
163 100
194 3.9 4.0 6.0#
164 10.6 8.4 12.6



#70
Phenanthrene
Concen: 10.52 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion:178 Resp: 91243
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 18.2 15.4 23.0





#72

Anthracene

Concen: 1.37 ng/ul

RT: 17.56 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BG020694.D

Acq: 13 Jan 2016 6:19

Instrument :

BNA_G

ClientSampleId :

BC9E7

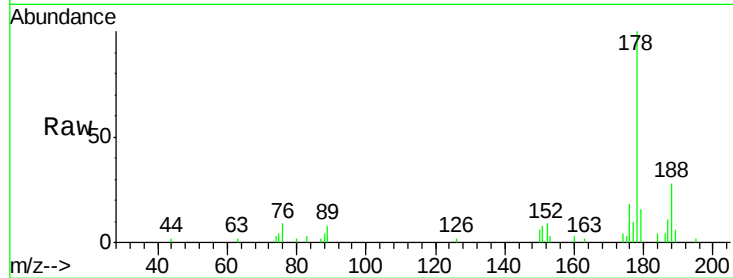
Tgt Ion:178 Resp: 12023

Ion Ratio Lower Upper

178 100

179 16.3 13.4 20.2

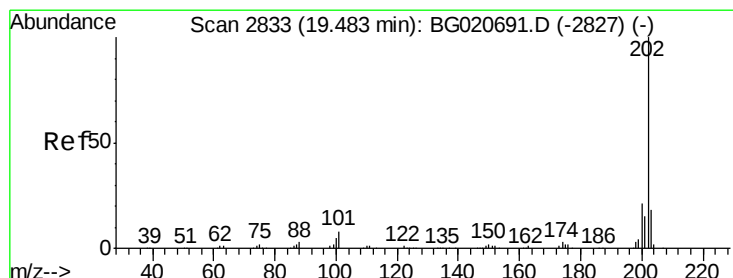
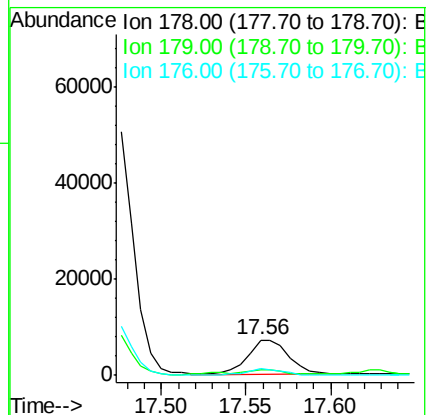
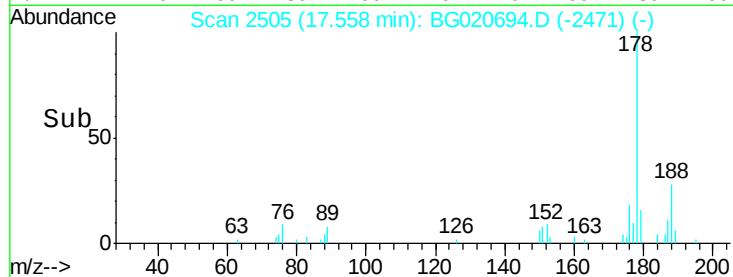
176 18.2 15.4 23.0



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



#77

Fluoranthene

Concen: 14.09 ng/ul

RT: 19.48 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG020694.D

Acq: 13 Jan 2016 6:19

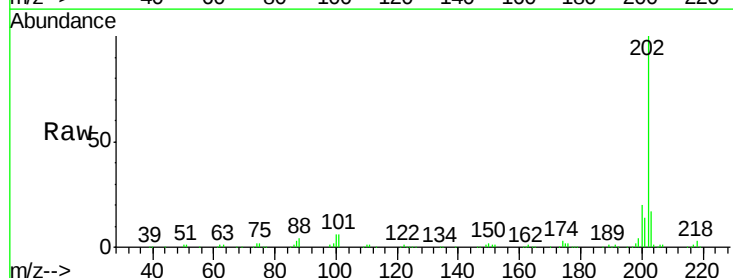
Tgt Ion:202 Resp: 148624

Ion Ratio Lower Upper

202 100

101 6.4 6.1 9.1

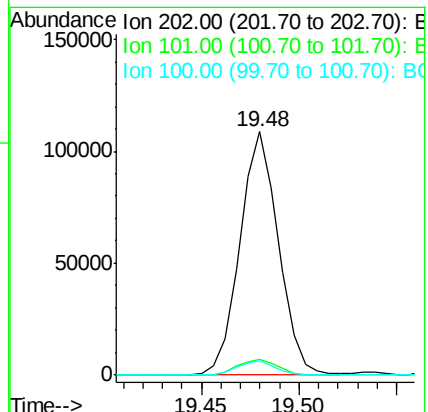
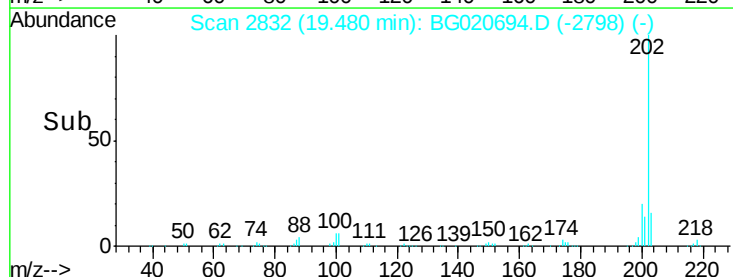
100 6.1 4.6 7.0

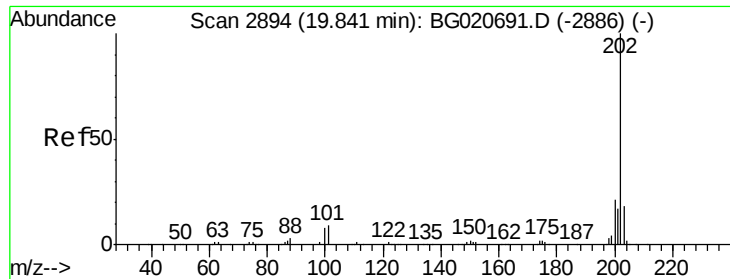


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

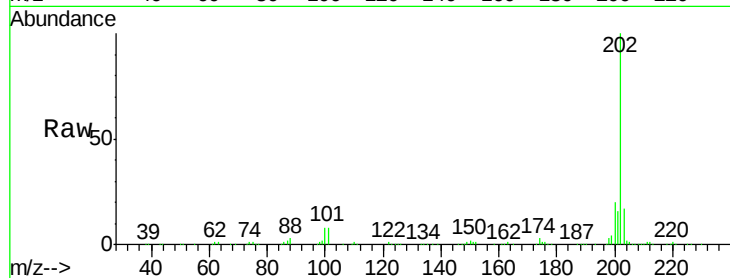




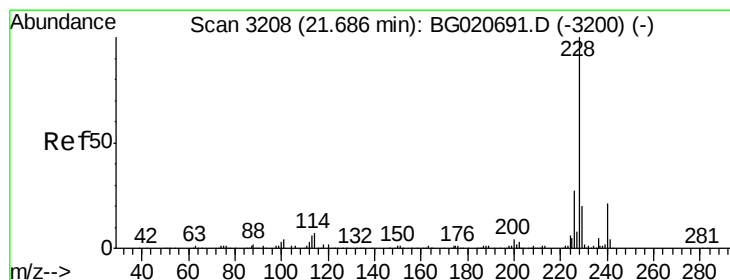
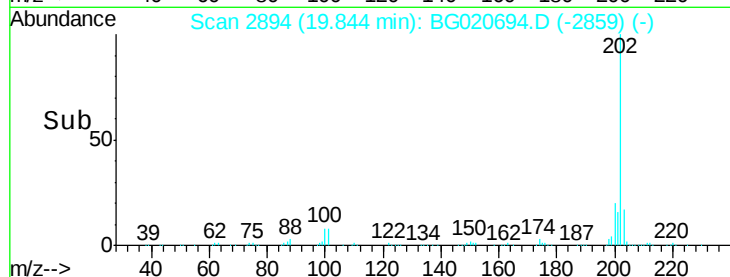
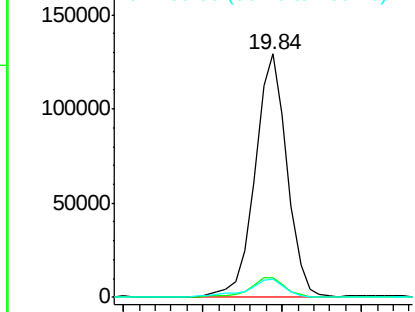
#80
Pyrene
Concen: 16.31 ng/ul
RT: 19.84 min Scan# 2894
Delta R.T. 0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Instrument :
BNA_G
ClientSampleId :
BC9E7

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.9	10.3
100	7.5	5.6	8.4

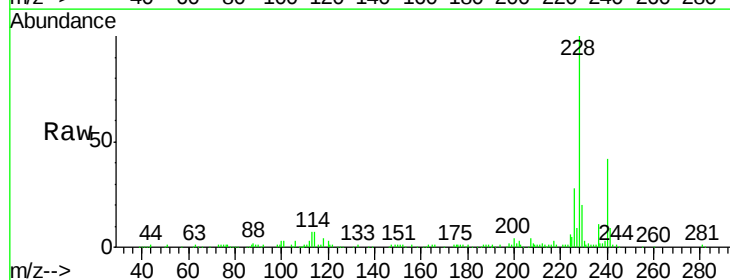


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

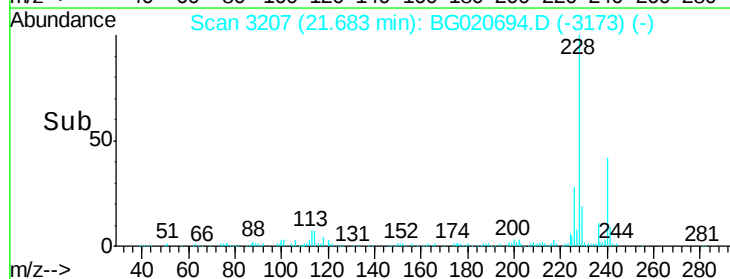
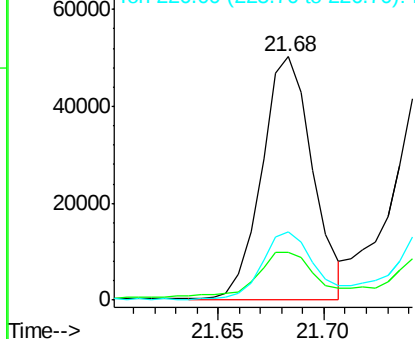


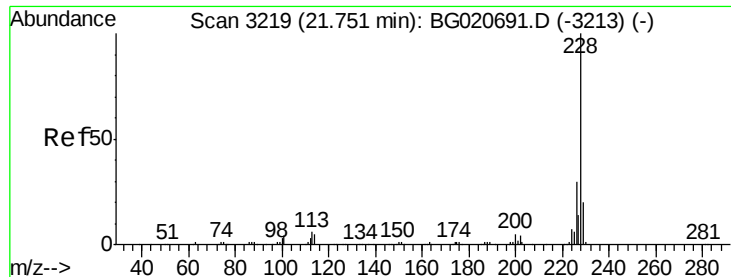
#83
Benzo(a)anthracene
Concen: 7.67 ng/ul
RT: 21.68 min Scan# 3207
Delta R.T. -0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.9	16.0	24.0
226	28.2	21.8	32.8



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





#85

Chrysene

Concen: 8.92 ng/ul

RT: 21.75 min Scan# 3218

Delta R.T. -0.00 min

Lab File: BG020694.D

Acq: 13 Jan 2016 6:19

Instrument :

BNA_G

ClientSampleId :

BC9E7

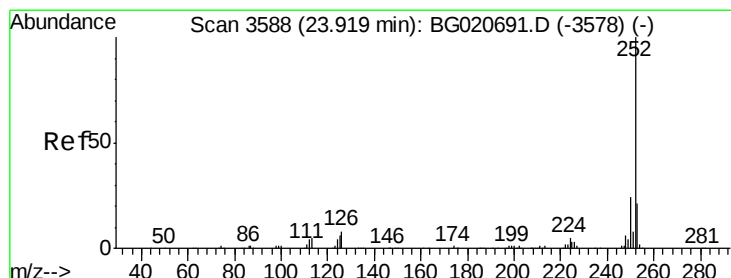
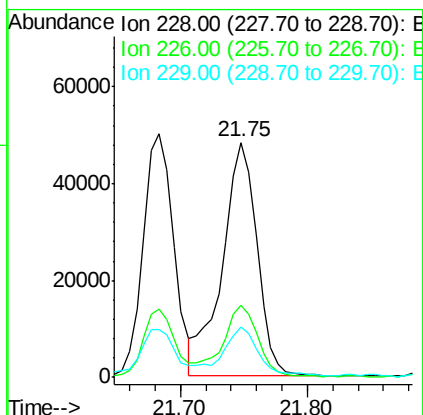
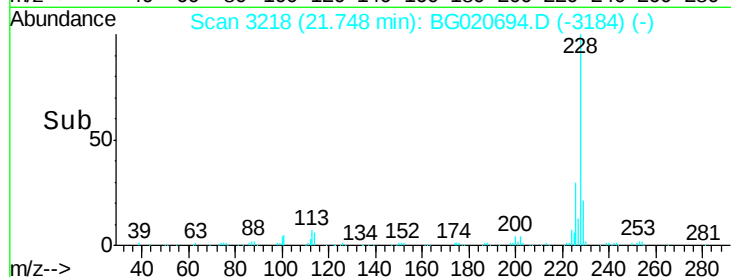
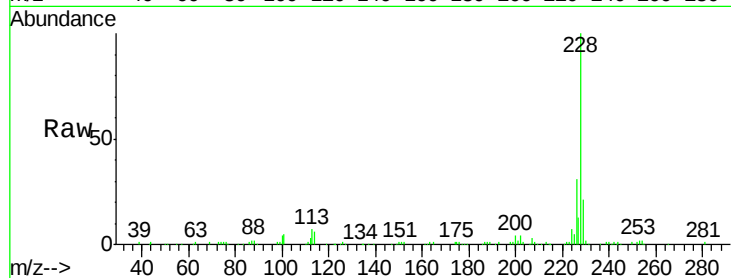
Tgt Ion:228 Resp: 91904

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 21.4 16.0 24.0



#88

Benzo(b)fluoranthene

Concen: 2.52 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. 0.06 min

Lab File: BG020694.D

Acq: 13 Jan 2016 6:19

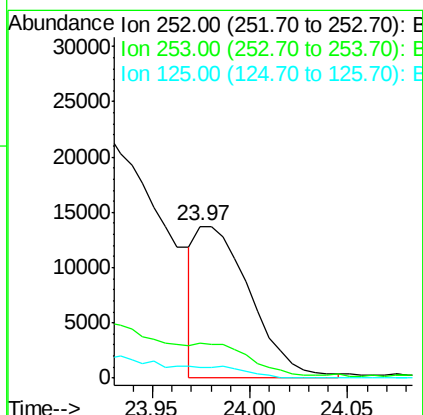
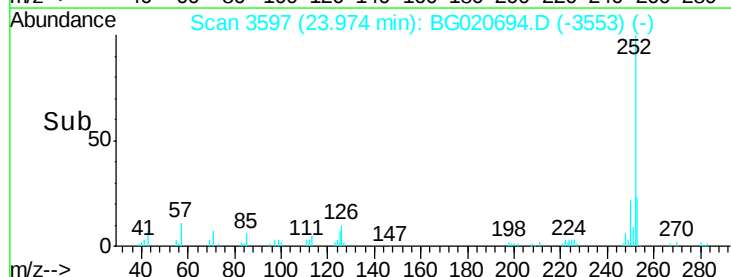
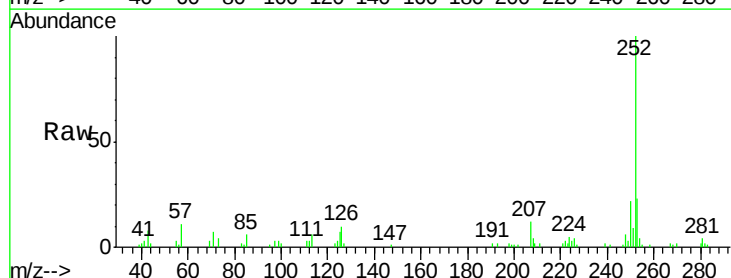
Tgt Ion:252 Resp: 26463

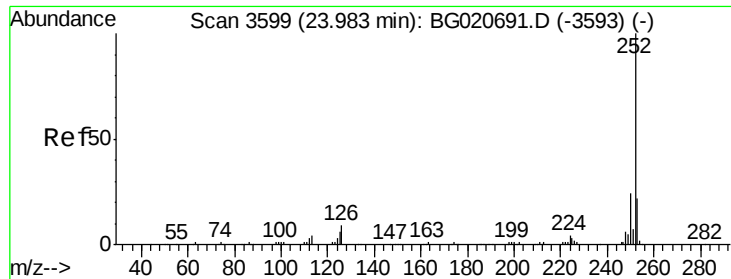
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 7.1 4.9 7.3

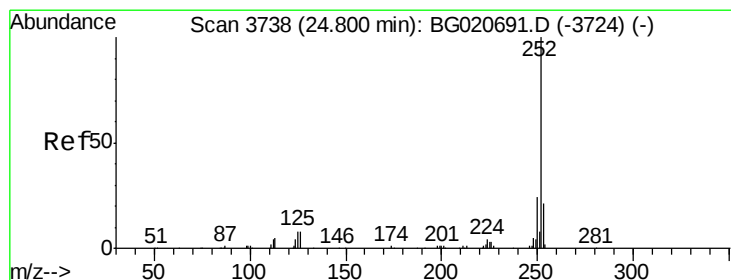
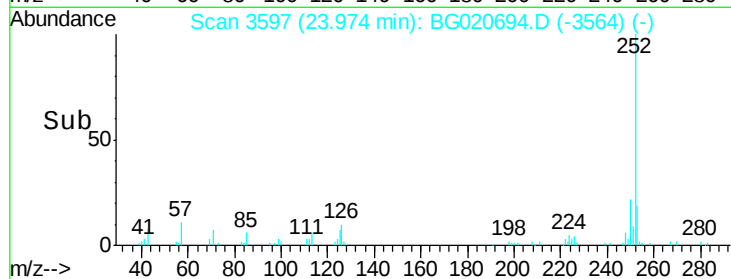
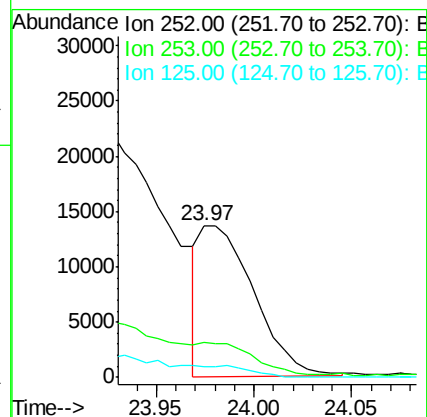
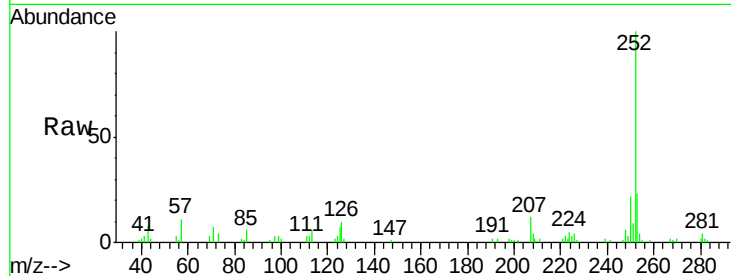




#89
Benzo(k)fluoranthene
Concen: 2.51 ng/ul
RT: 23.97 min Scan# 3597
Delta R.T. -0.01 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

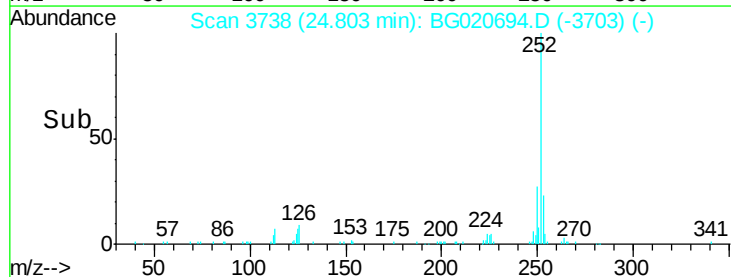
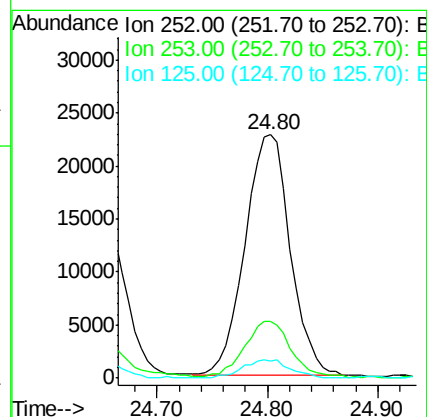
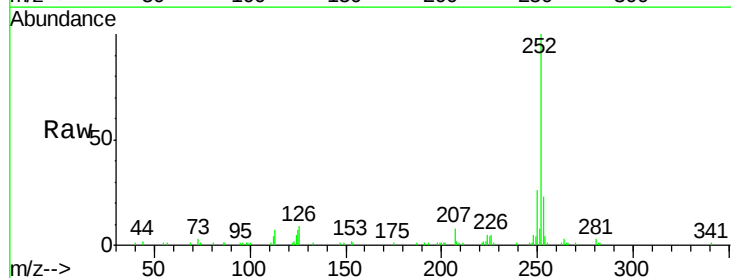
Instrument :
BNA_G
ClientSampleId :
BC9E7

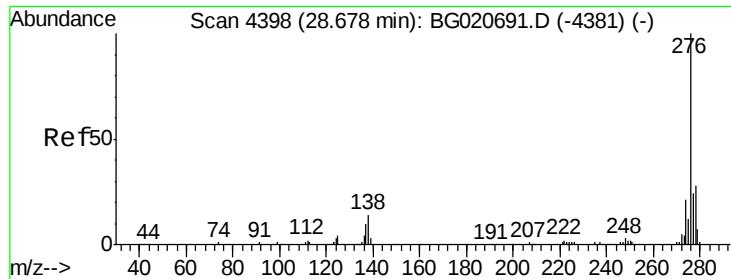
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	7.1	5.4	8.0



#91
Benzo(a)pyrene
Concen: 6.44 ng/ul
RT: 24.80 min Scan# 3738
Delta R.T. 0.00 min
Lab File: BG020694.D
Acq: 13 Jan 2016 6:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	7.1	5.8	8.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.20 ng/ul

RT: 28.67 min Scan# 4397

Delta R.T. -0.00 min

Lab File: BG020694.D

Acq: 13 Jan 2016 6:19

Instrument :

BNA_G

ClientSampleId :

BC9E7

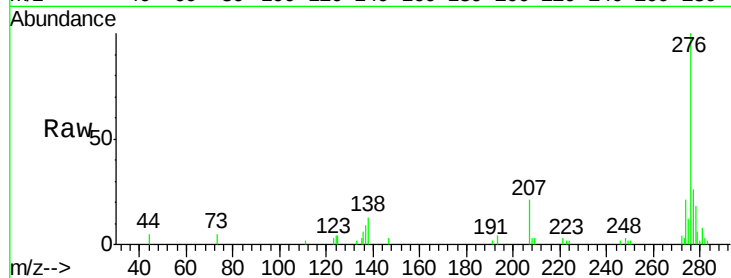
Tgt Ion:276 Resp: 38110

Ion Ratio Lower Upper

276 100

138 13.0 10.9 16.3

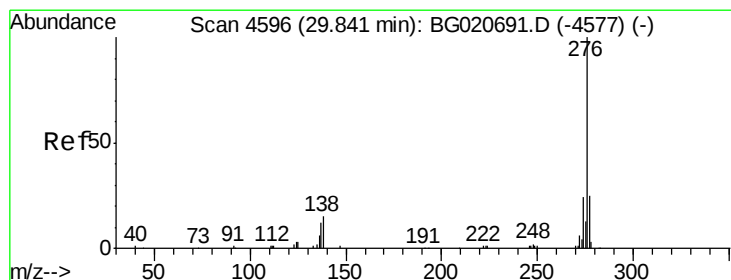
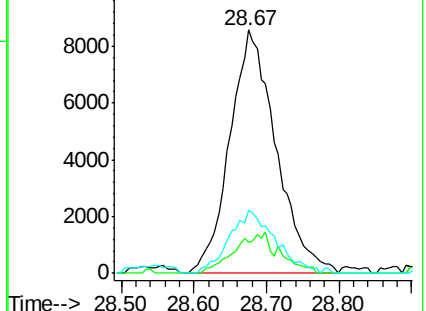
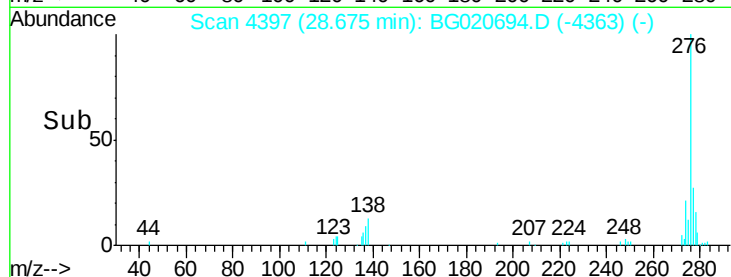
277 26.0 18.9 28.3



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



#94

Benzo(g,h,i)perylene

Concen: 3.68 ng/ul

RT: 29.85 min Scan# 4597

Delta R.T. 0.01 min

Lab File: BG020694.D

Acq: 13 Jan 2016 6:19

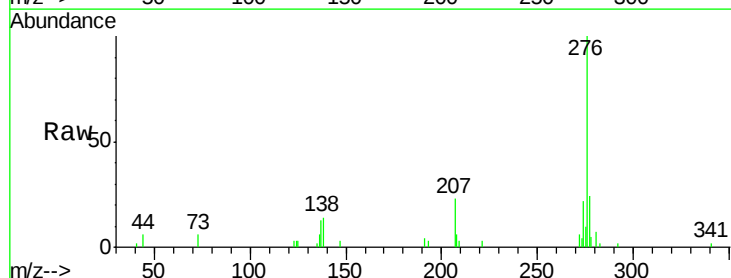
Tgt Ion:276 Resp: 36209

Ion Ratio Lower Upper

276 100

138 14.3 11.2 16.8

277 23.7 19.0 28.6



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

