

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
 Data File : BG020748.D
 Acq On : 15 Jan 2016 12:06
 Operator : SJ/IZ
 Sample : H1101-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC9E9

Quant Time: Jan 15 22:17:01 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 15 22:12:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	20207	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	85196	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	58128	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.43	188	149101	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	179573	20.00	ng/ul	0.00
86) Perylene-d12	24.96	264	167999	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	893	2.16	ng/uL	0.00
5) Phenol-d5	7.21	99	18798	10.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	14507	13.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	16988	12.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.76	113	1647	1.13	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	9981	14.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.94	143	11404	14.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	16511	11.10	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	6269	4.26	ng/ul	0.01
44) Dimethylphthalate-d6	14.08	166	75008	14.79	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	88871	15.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	6501	9.54	ng/ul	0.01
58) Fluorene-d10	15.67	176	70219	15.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.80	200	9423	11.62	ng/ul	0.00
71) Anthracene-d10	17.53	188	107052	14.65	ng/ul	0.00
79) Pyrene-d10	19.81	212	132382	15.50	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.73	264	135932	15.18	ng/ul	0.00

Target Compounds

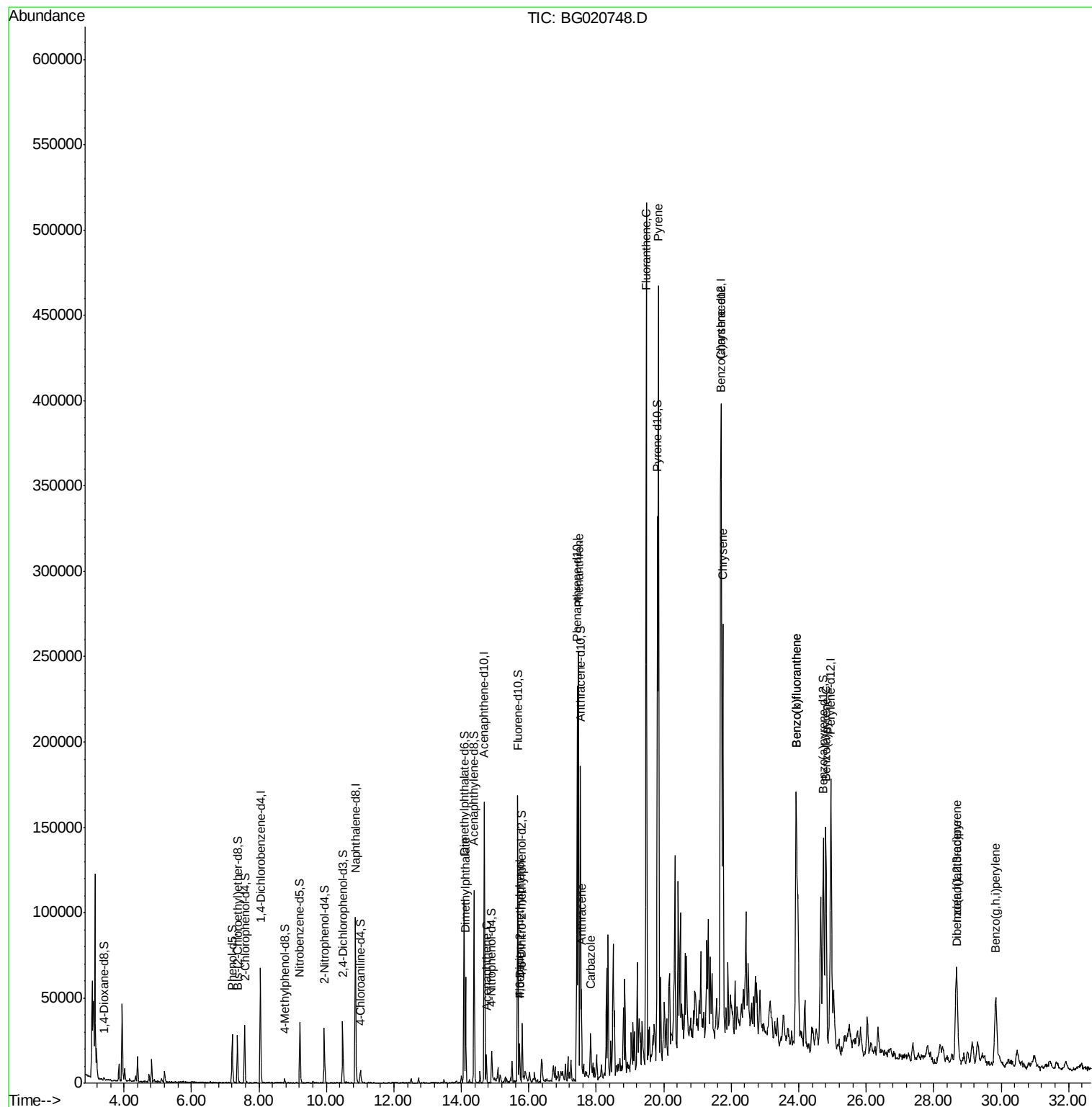
						Qvalue
45) Dimethylphthalate	14.13	163	40878	7.50	ng/ul	99
50) Acenaphthene	14.74	153	7440	1.79	ng/ul	97
59) Fluorene	15.73	166	9931	1.95	ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.72	198	1023	1.17	ng/ul#	58
70) Phenanthrene	17.47	178	161274	18.18	ng/ul	99
72) Anthracene	17.56	178	36941	4.12	ng/ul	95
75) Carbazole	17.83	167	17519	2.39	ng/ul	99
77) Fluoranthene	19.48	202	329975	30.60	ng/ul	99
80) Pyrene	19.84	202	298128	26.18	ng/ul	99
83) Benzo(a)anthracene	21.68	228	178723	15.95	ng/ul	98
85) Chrysene	21.75	228	176047	16.62	ng/ul	97
88) Benzo(b)fluoranthene	23.92	252	194728	17.99	ng/ul#	96
89) Benzo(k)fluoranthene	23.92	252	194728	18.22	ng/ul	96
91) Benzo(a)pyrene	24.80	252	140663	13.51	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.68	276	93663	7.62	ng/ul	99
93) Dibenzo(a,h)anthracene	28.70	278	18473	1.83	ng/ul	92
94) Benzo(g,h,i)perylene	29.84	276	85371	8.42	ng/ul	97

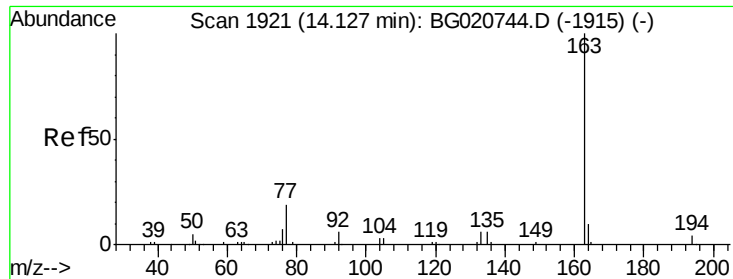
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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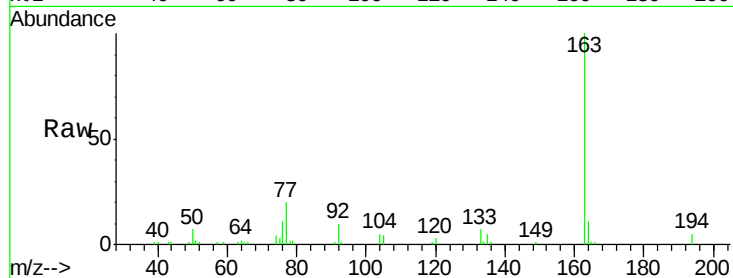




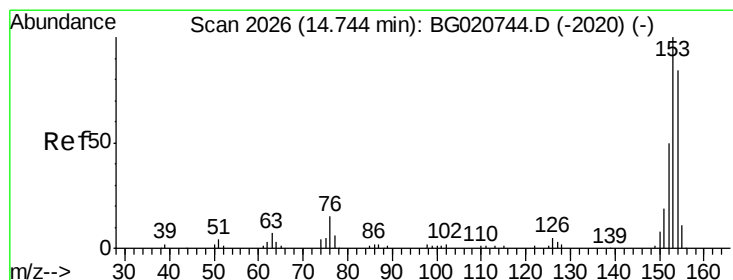
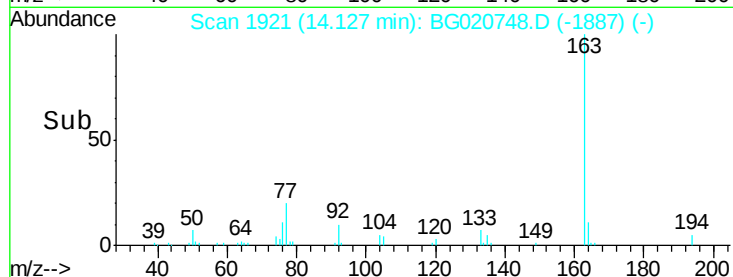
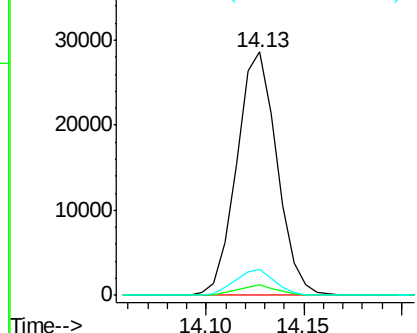
#45
Dimethylphthalate
Concen: 7.50 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Instrument :
BNA_G
ClientSampleId :
BC9E9

Tgt Ion:163 Resp: 40878
Ion Ratio Lower Upper
163 100
194 4.5 4.0 6.0
164 10.7 8.4 12.6

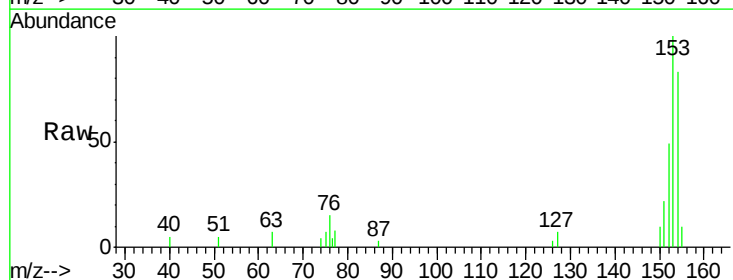


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

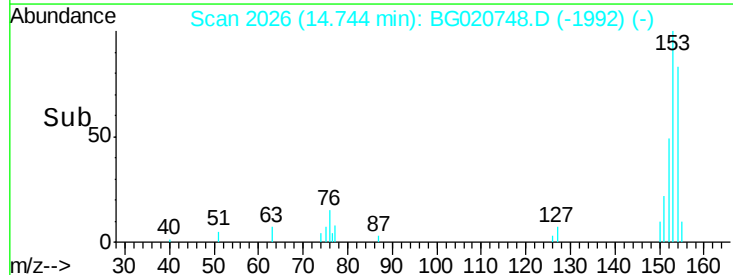
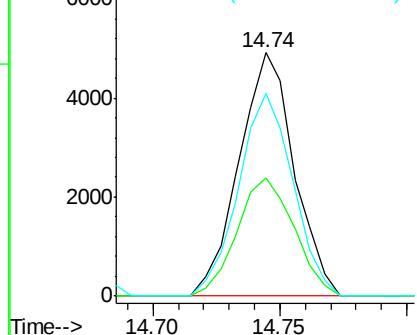


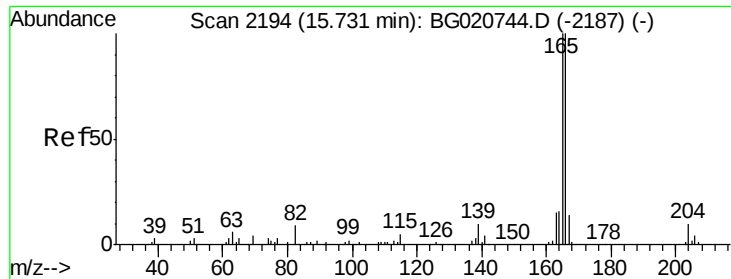
#50
Acenaphthene
Concen: 1.79 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BG020748.D
Acq: 15 Jan 2016 12:06

Tgt Ion:153 Resp: 7440
Ion Ratio Lower Upper
153 100
152 48.7 37.9 56.9
154 83.3 69.8 104.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 1.95 ng/ul

RT: 15.73 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampleId :

BC9E9

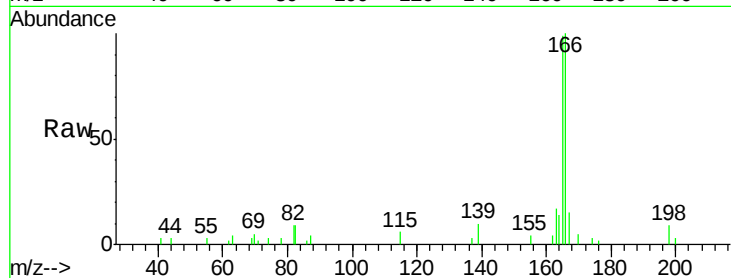
Tgt Ion:166 Resp: 9931

Ion Ratio Lower Upper

166 100

165 98.5 78.4 117.6

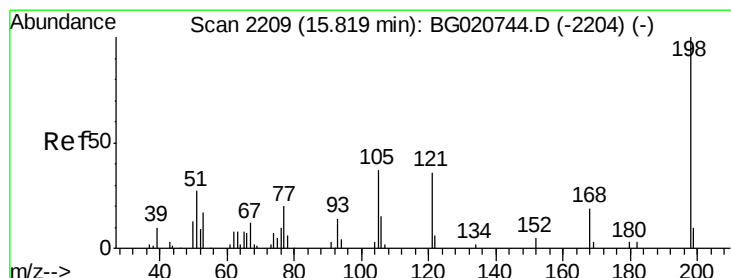
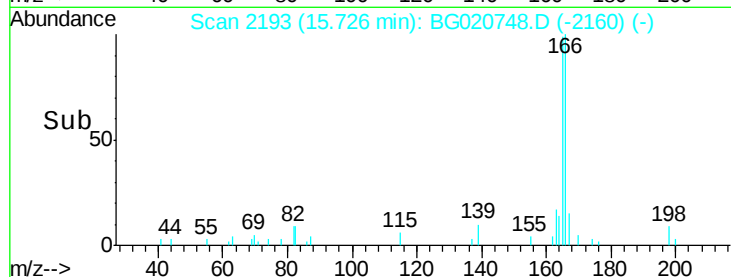
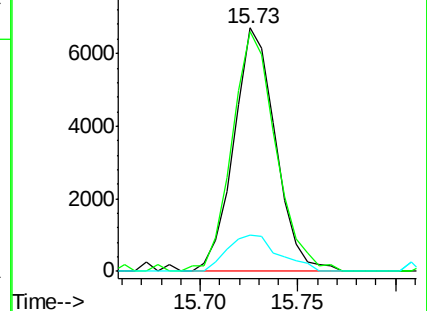
167 14.8 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 1.17 ng/ul

RT: 15.72 min Scan# 2192

Delta R.T. -0.10 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

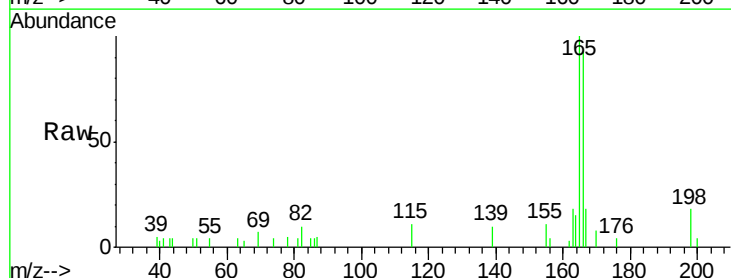
Tgt Ion:198 Resp: 1023

Ion Ratio Lower Upper

198 100

182 0.0 3.5 5.3#

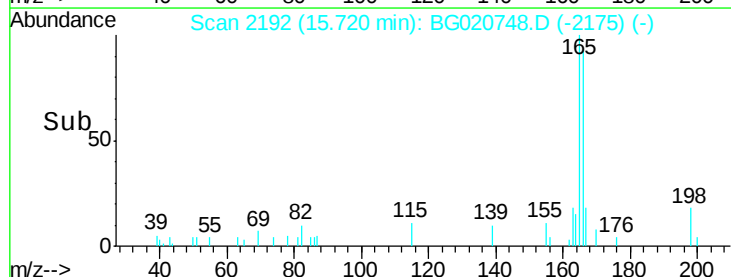
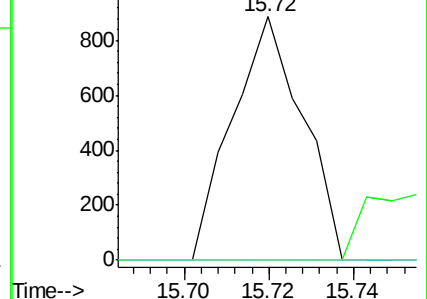
77 0.0 18.2 27.4#

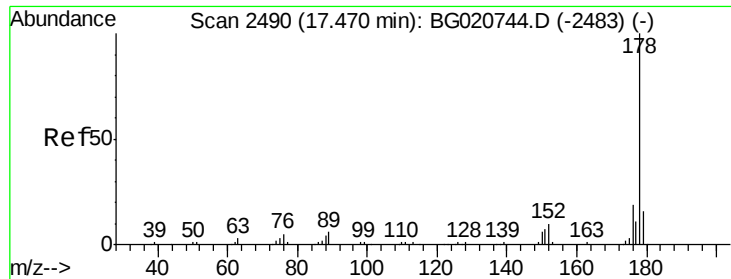


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BG0





#70

Phenanthrene

Concen: 18.18 ng/ul

RT: 17.47 min Scan# 2490

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampled :

BC9E9

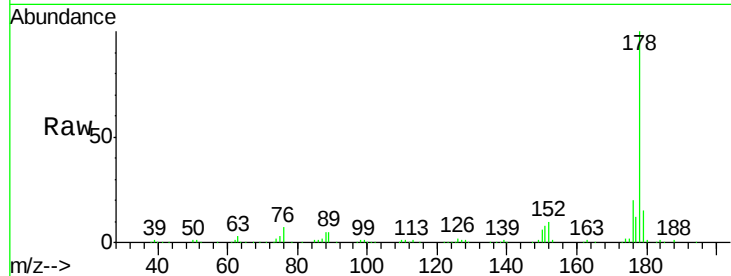
Tgt Ion:178 Resp: 161274

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

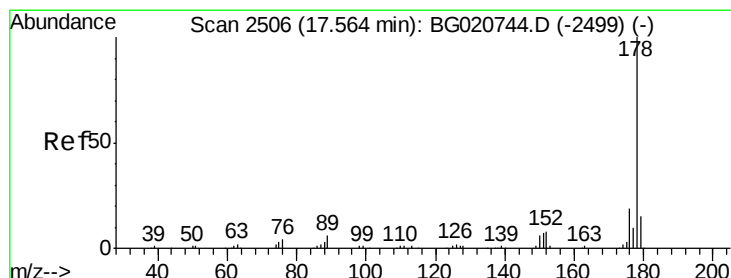
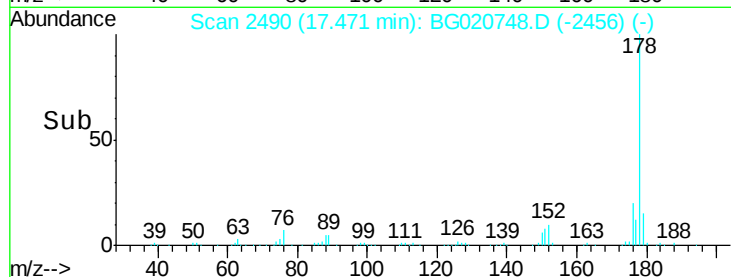
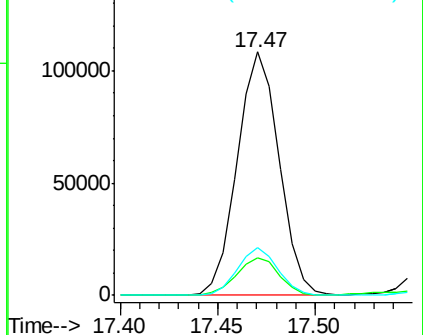
176 19.8 15.4 23.0



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



#72

Anthracene

Concen: 4.12 ng/ul

RT: 17.56 min Scan# 2506

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

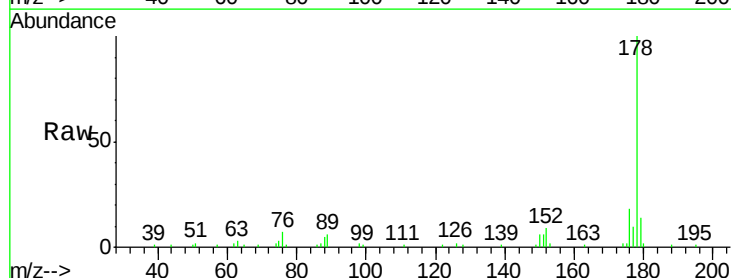
Tgt Ion:178 Resp: 36941

Ion Ratio Lower Upper

178 100

179 14.4 13.4 20.2

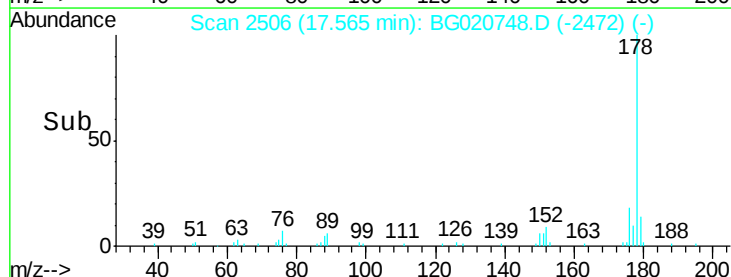
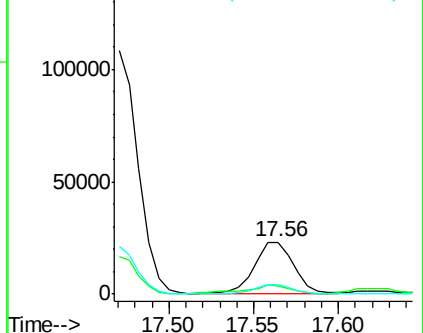
176 17.5 15.4 23.0

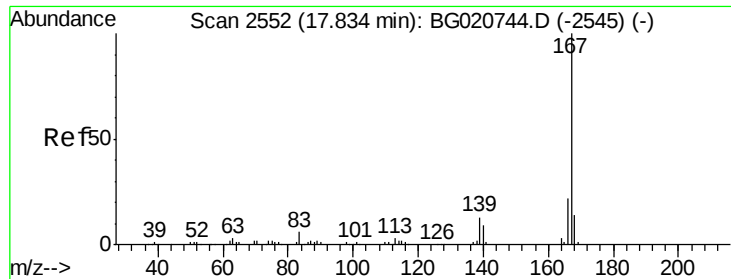


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.39 ng/ul

RT: 17.83 min Scan# 2552

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampleId :

BC9E9

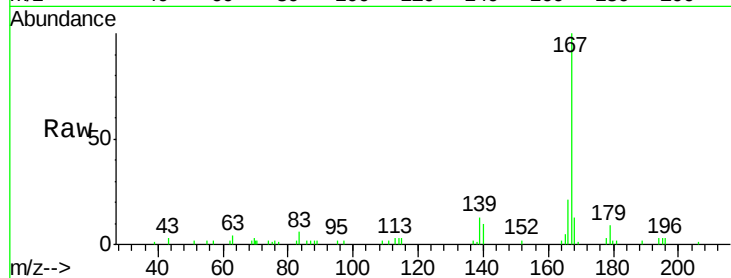
Tgt Ion:167 Resp: 17519

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

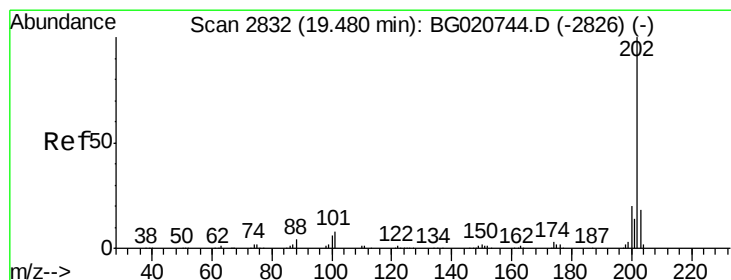
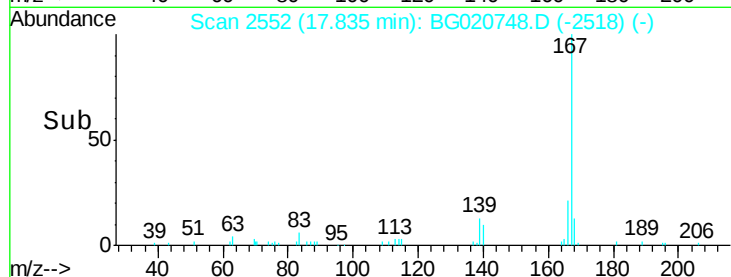
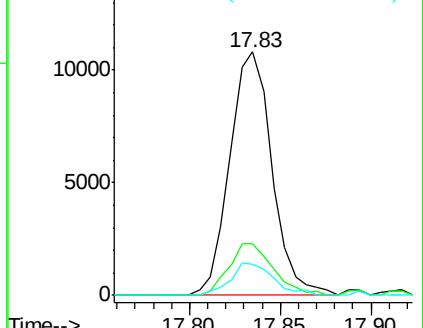
139 12.8 9.1 13.7



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: 30.60 ng/ul

RT: 19.48 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

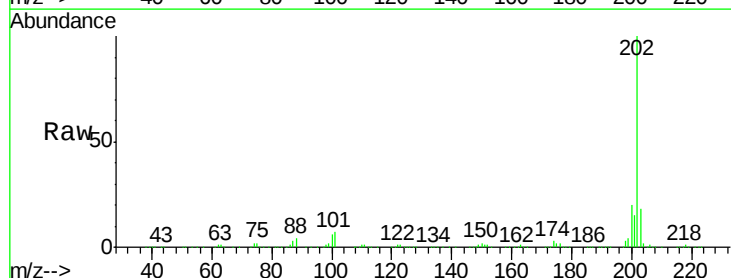
Tgt Ion:202 Resp: 329975

Ion Ratio Lower Upper

202 100

101 7.1 6.1 9.1

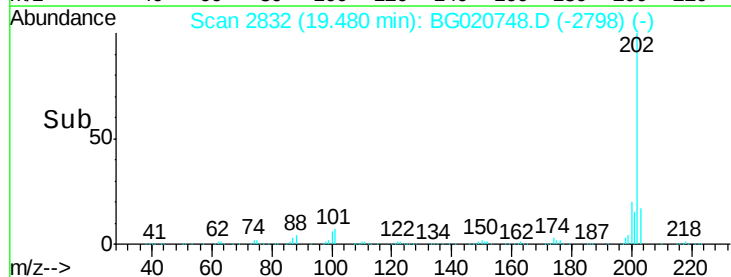
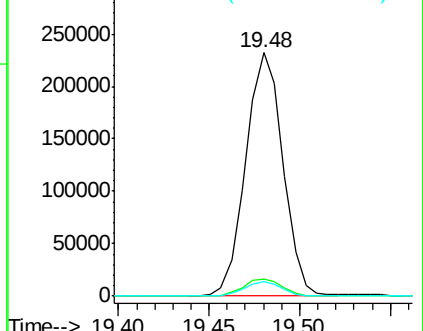
100 5.8 4.6 7.0

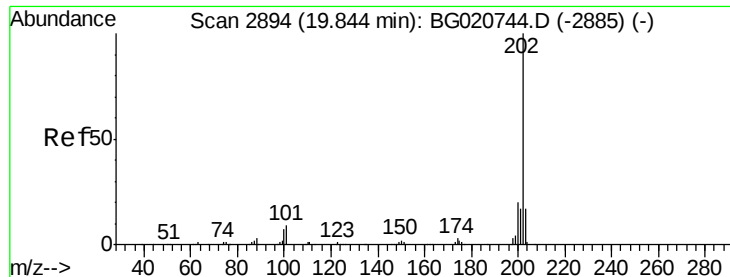


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

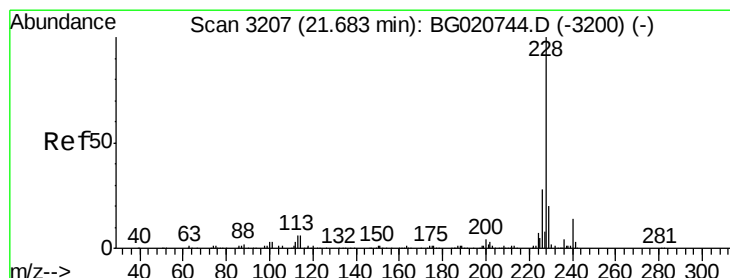
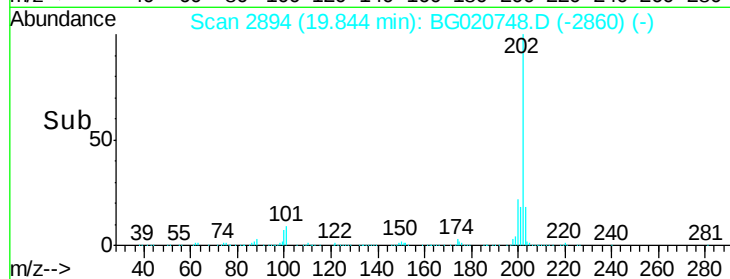
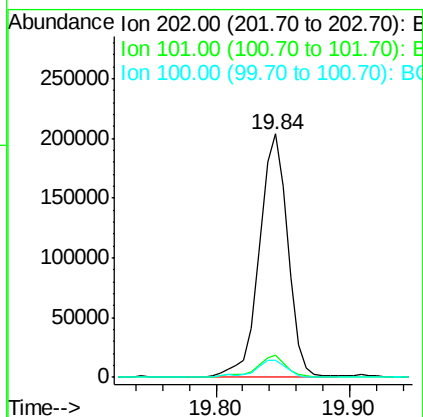
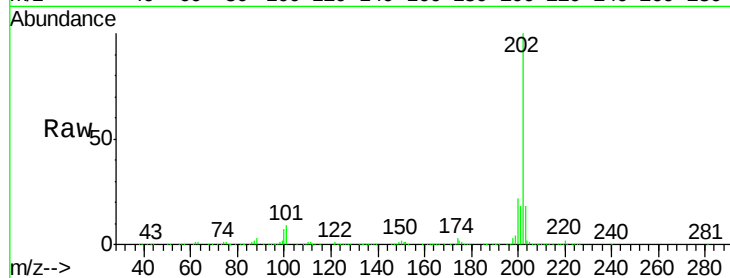




#80
 Pyrene
 Concen: 26.18 ng/ul
 RT: 19.84 min Scan# 2894
 Delta R.T. 0.00 min
 Lab File: BG020748.D
 Acq: 15 Jan 2016 12:06

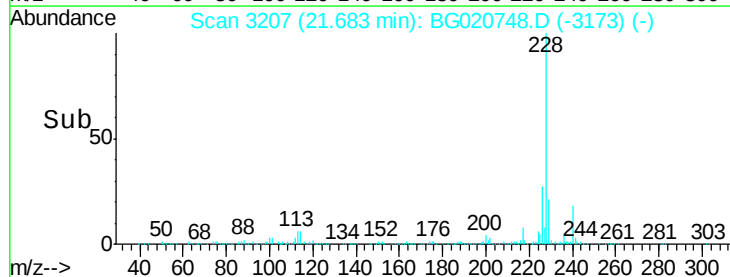
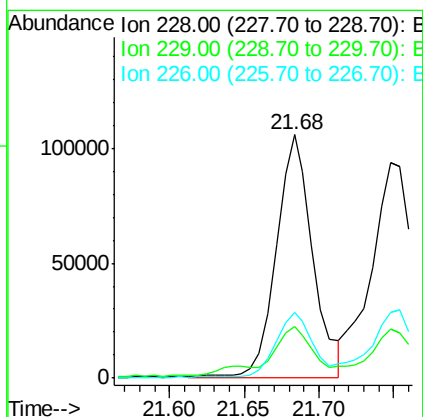
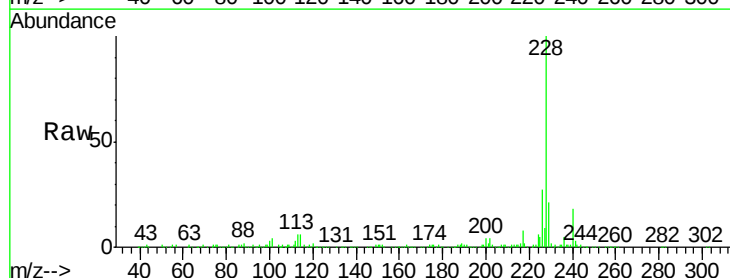
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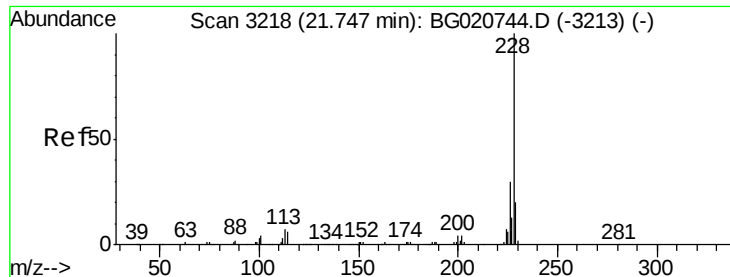
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	6.9	10.3
100	7.1	5.6	8.4



#83
 Benzo(a)anthracene
 Concen: 15.95 ng/ul
 RT: 21.68 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: BG020748.D
 Acq: 15 Jan 2016 12:06

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.0	24.0
226	26.9	21.8	32.8





#85

Chrysene

Concen: 16.62 ng/ul

RT: 21.75 min Scan# 3218

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampleId :

BC9E9

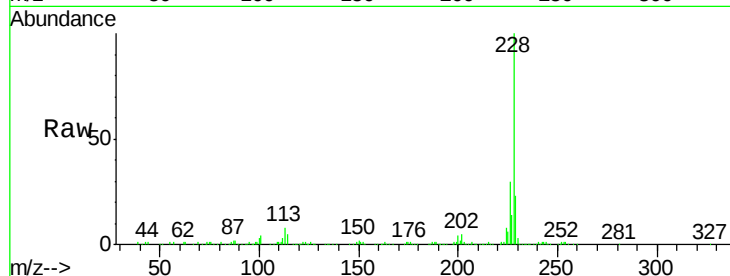
Tgt Ion:228 Resp: 176047

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

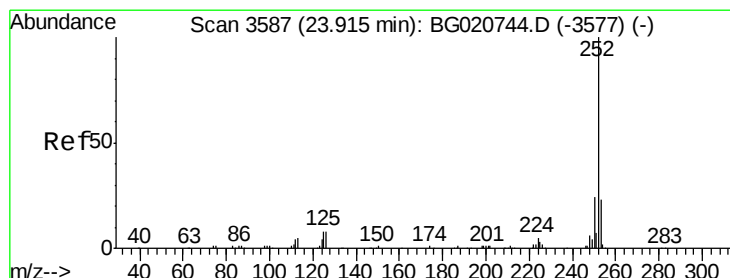
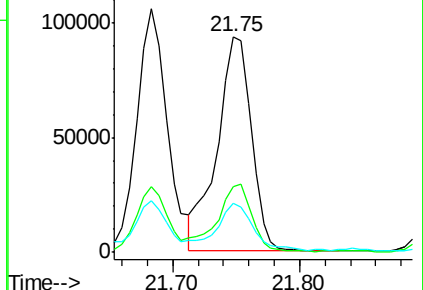
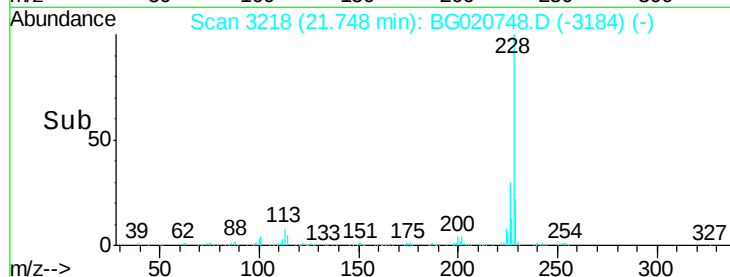
229 22.9 16.0 24.0



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



#88

Benzo(b)fluoranthene

Concen: 17.99 ng/ul

RT: 23.92 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

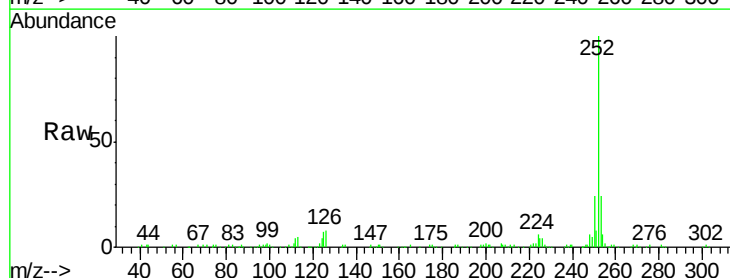
Tgt Ion:252 Resp: 194728

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

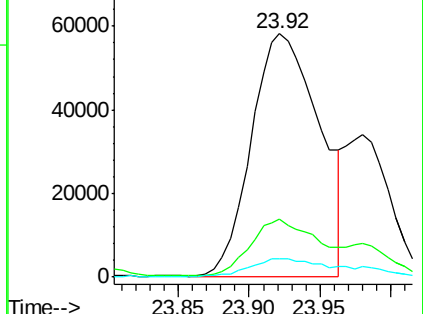
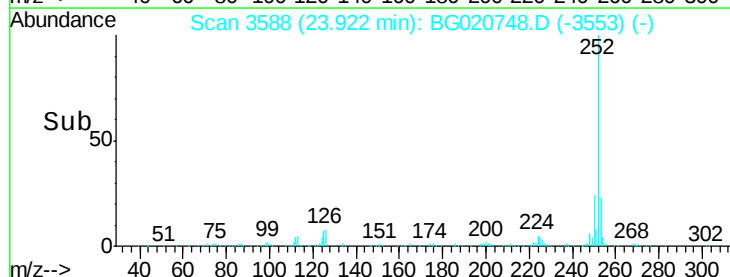
125 7.4 4.9 7.3#

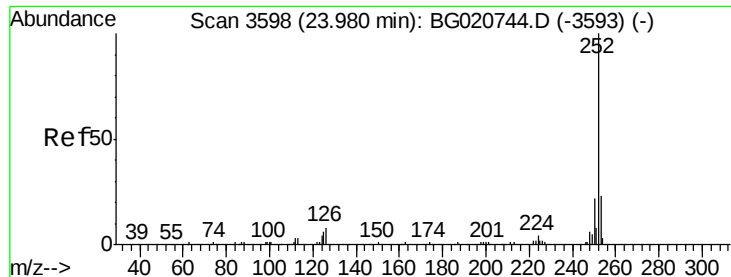


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 18.22 ng/ul

RT: 23.92 min Scan# 3588

Delta R.T. -0.06 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampleId :

BC9E9

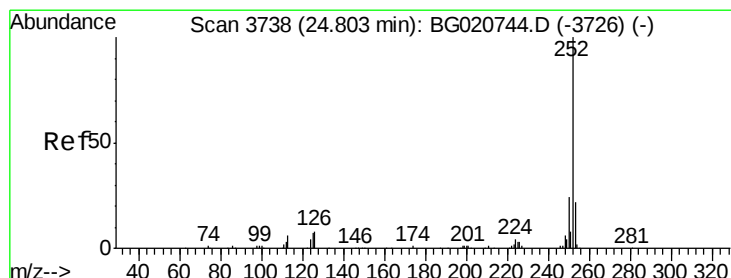
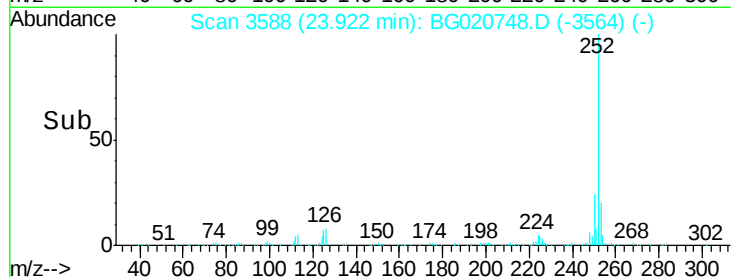
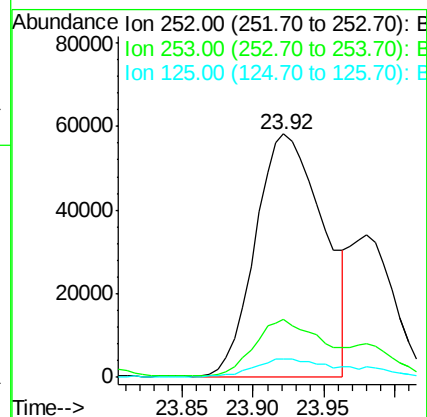
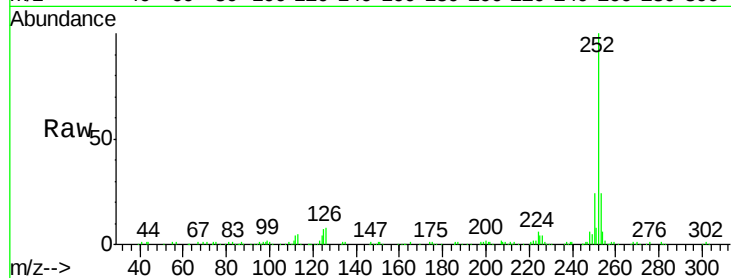
Tgt Ion:252 Resp: 194728

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 7.4 5.4 8.0



#91

Benzo(a)pyrene

Concen: 13.51 ng/ul

RT: 24.80 min Scan# 3738

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

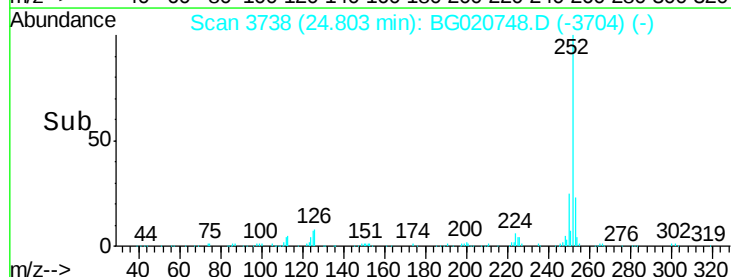
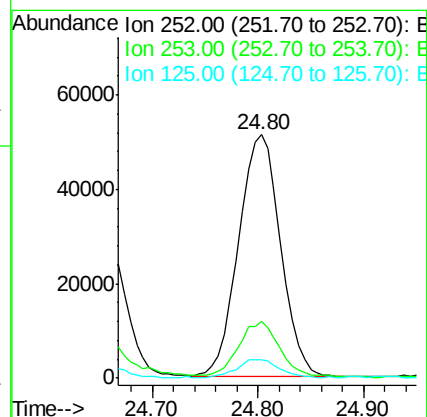
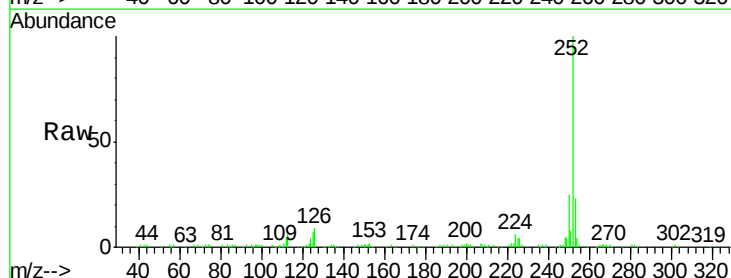
Tgt Ion:252 Resp: 140663

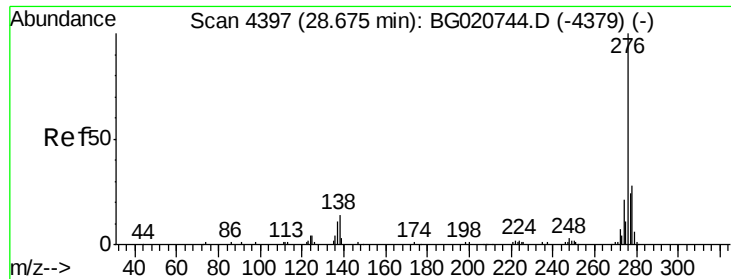
Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 7.3 5.8 8.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 7.62 ng/ul

RT: 28.68 min Scan# 4397

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampleId :

BC9E9

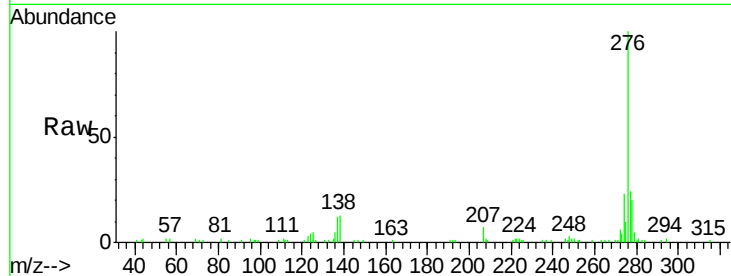
Tgt Ion:276 Resp: 93663

Ion Ratio Lower Upper

276 100

138 13.4 10.9 16.3

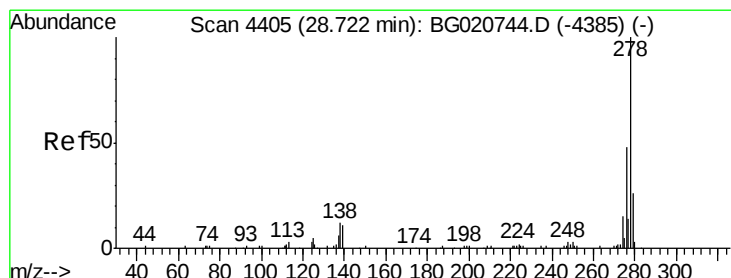
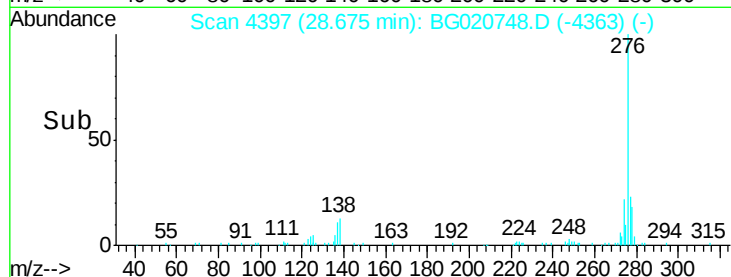
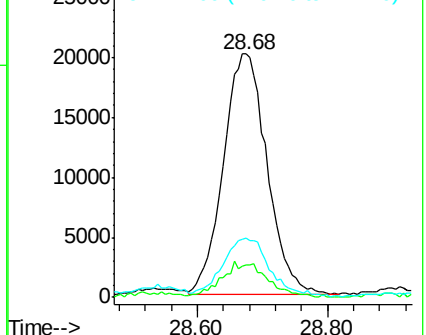
277 24.4 18.9 28.3



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



#93

Dibenzo(a,h)anthracene

Concen: 1.83 ng/ul

RT: 28.70 min Scan# 4402

Delta R.T. -0.02 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

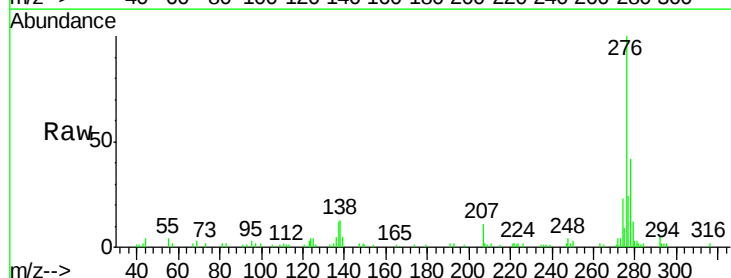
Tgt Ion:278 Resp: 18473

Ion Ratio Lower Upper

278 100

139 12.6 9.0 13.4

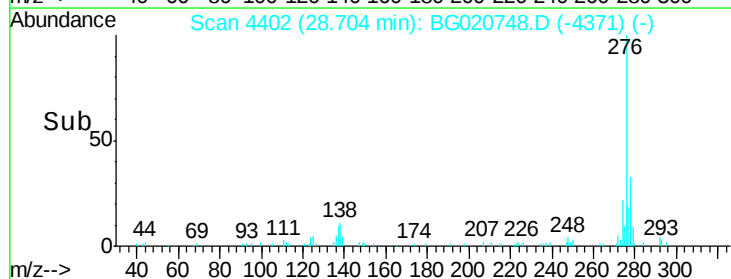
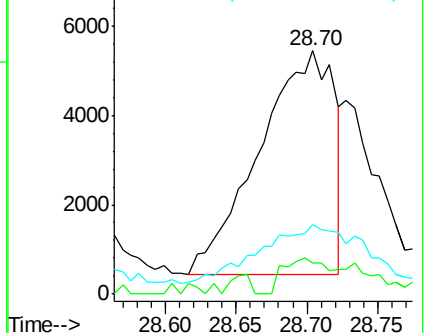
279 28.6 19.1 28.7

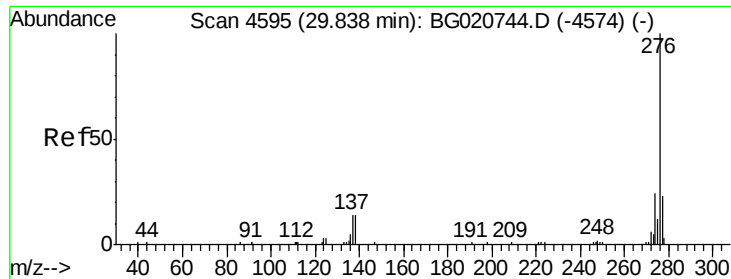


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 8.42 ng/ul

RT: 29.84 min Scan# 4595

Delta R.T. 0.00 min

Lab File: BG020748.D

Acq: 15 Jan 2016 12:06

Instrument :

BNA_G

ClientSampleId :

BC9E9

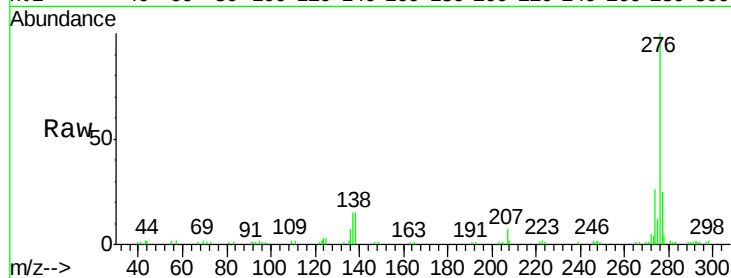
Tgt Ion: 276 Resp: 85371

Ion Ratio Lower Upper

276 100

138 15.2 11.2 16.8

277 25.1 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

