

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020416\
 Data File : BG020793.D
 Acq On : 4 Feb 2016 19:08
 Operator : SJ/IZ
 Sample : H1334-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBG09

Quant Time: Feb 05 04:21:05 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 05 04:10:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	21265	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	108331	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	62745	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	126555	20.00	ng/ul	0.00
78) Chrysene-d12	21.91	240	105573	20.00	ng/ul	0.00
86) Perylene-d12	25.29	264	101664	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1025	2.31	ng/uL	0.00
5) Phenol-d5	7.41	99	19237	8.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	15704	13.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	21074	12.89	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	12849	6.84	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	11504	17.40	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	10097	17.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	20784	13.14	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	31163	14.01	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	74743	13.95	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	98776	15.12	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	5516	5.82	ng/ul	0.00
58) Fluorene-d10	15.87	176	66092	14.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	2927	7.00	ng/ul	0.00
71) Anthracene-d10	17.72	188	92597	14.88	ng/ul	0.00
79) Pyrene-d10	19.99	212	87494	15.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.05	264	83576	15.34	ng/ul	0.01

Target Compounds

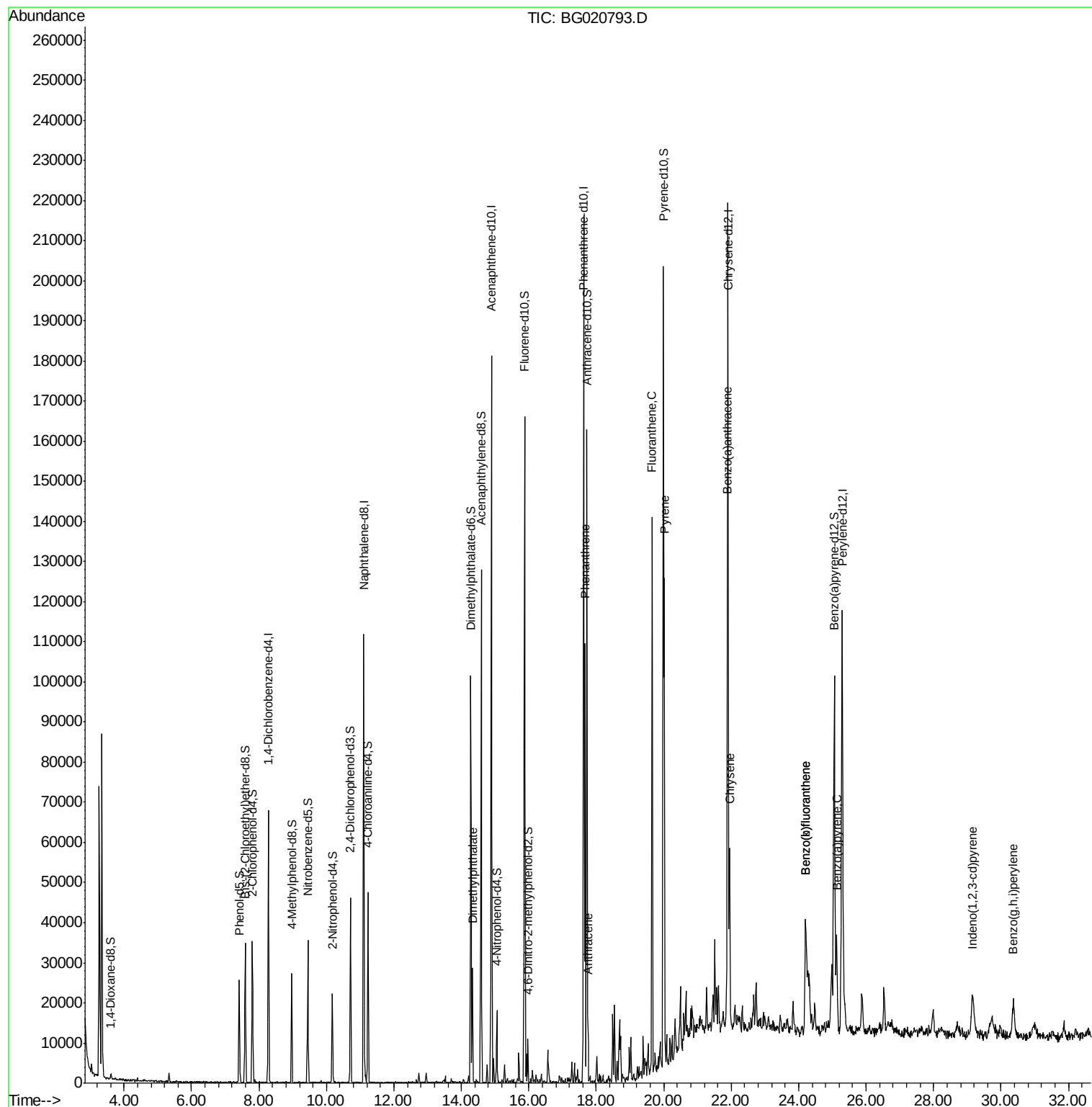
						Qvalue
45) Dimethylphthalate	14.33	163	21326	3.81	ng/ul	98
70) Phenanthrene	17.66	178	66194	8.33	ng/ul	99
72) Anthracene	17.76	178	11404	1.43	ng/ul	98
77) Fluoranthene	19.66	202	77962	9.55	ng/ul#	83
80) Pyrene	20.01	202	68985	8.64	ng/ul#	75
83) Benzo(a)anthracene	21.88	228	28253	4.15	ng/ul	99
85) Chrysene	21.95	228	28174	4.46	ng/ul	98
88) Benzo(b)fluoranthene	24.21	252	33540	5.04	ng/ul#	87
89) Benzo(k)fluoranthene	24.21	252	33540	5.14	ng/ul#	87
91) Benzo(a)pyrene	25.13	252	24122	3.79	ng/ul#	90
92) Indeno(1,2,3-cd)pyrene	29.15	276	9521	1.28	ng/ul#	85
94) Benzo(g,h,i)perylene	30.37	276	8261	1.35	ng/ul#	79

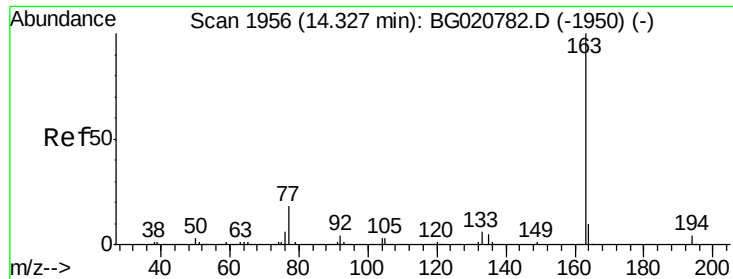
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 3.81 ng/ul

RT: 14.33 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

Instrument :

BNA_G

ClientSampleId :

BBG09

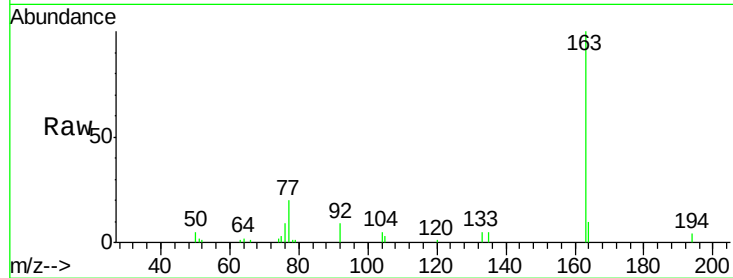
Tgt Ion:163 Resp: 21326

Ion Ratio Lower Upper

163 100

194 4.3 4.0 6.0

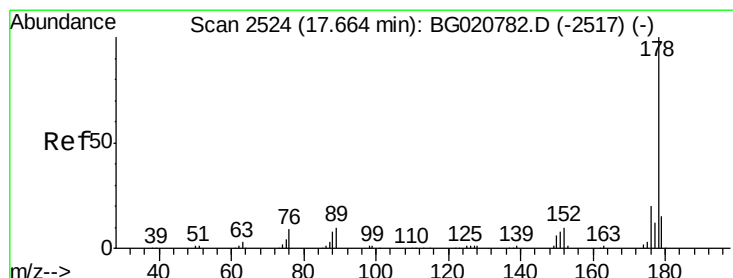
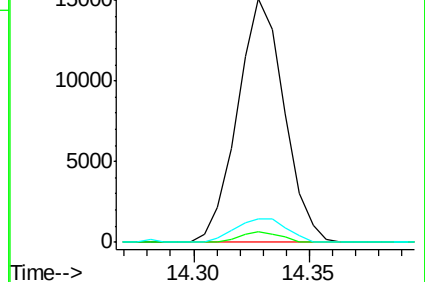
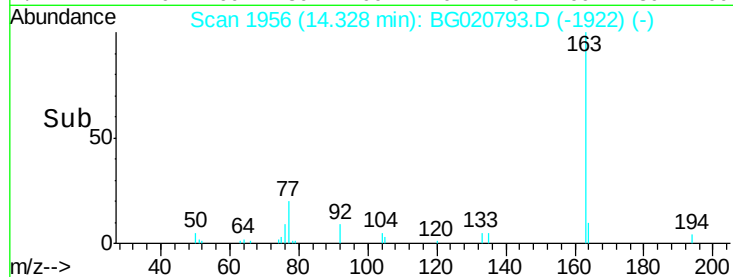
164 9.6 8.4 12.6



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



#70

Phenanthrene

Concen: 8.33 ng/ul

RT: 17.66 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

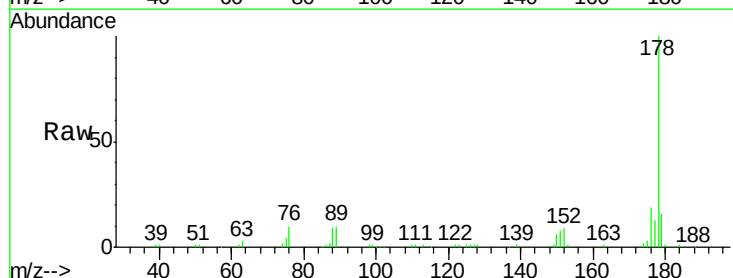
Tgt Ion:178 Resp: 66194

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

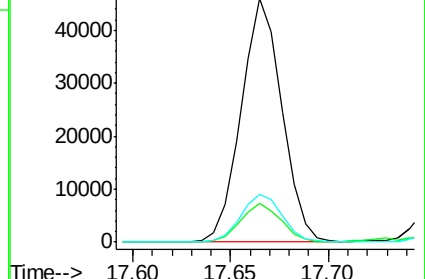
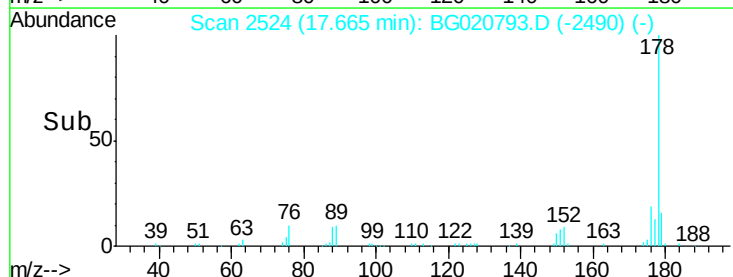
176 19.5 15.4 23.0

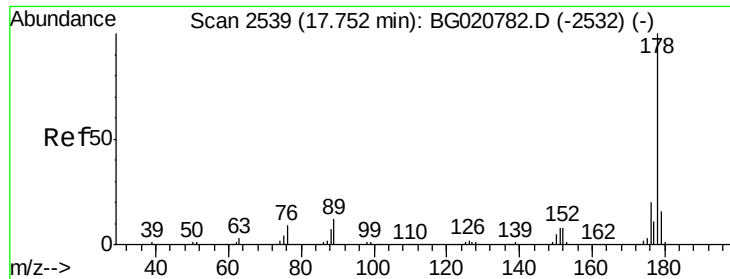


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.43 ng/ul

RT: 17.76 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

Instrument :

BNA_G

ClientSampleId :

BBG09

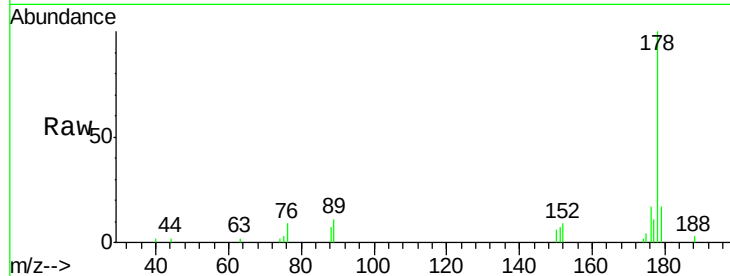
Tgt Ion:178 Resp: 11404

Ion Ratio Lower Upper

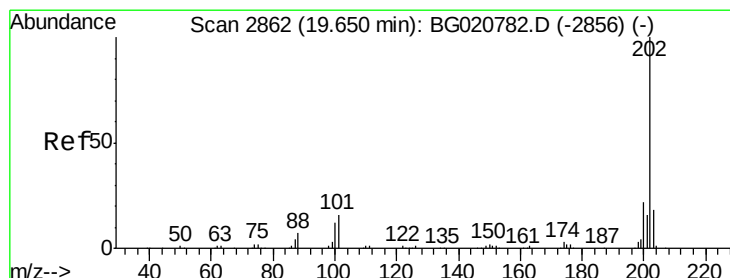
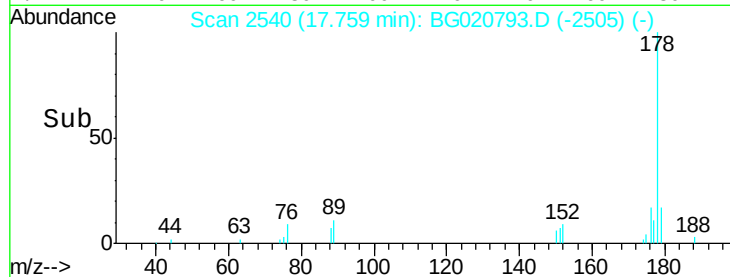
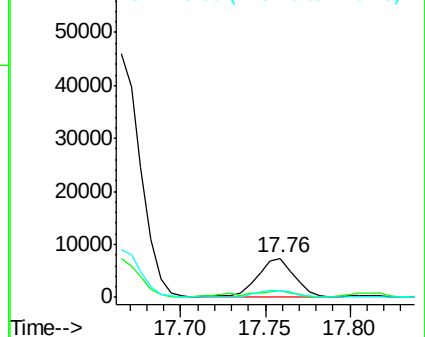
178 100

179 16.5 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



#77

Fluoranthene

Concen: 9.55 ng/ul

RT: 19.66 min Scan# 2863

Delta R.T. 0.01 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

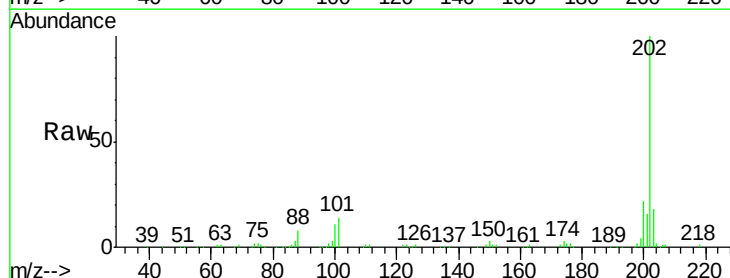
Tgt Ion:202 Resp: 77962

Ion Ratio Lower Upper

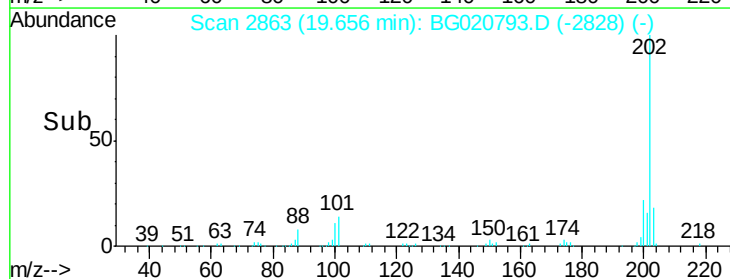
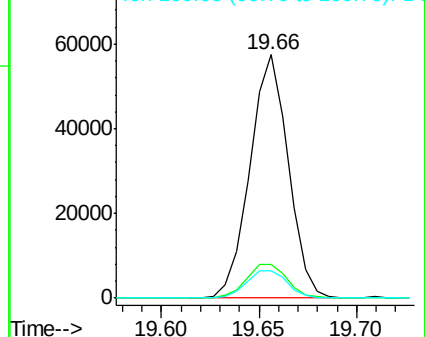
202 100

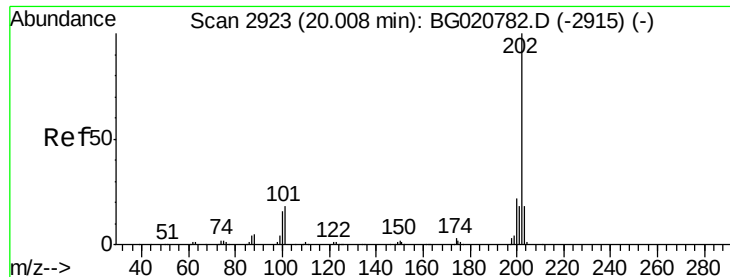
101 13.9 6.1 9.1#

100 11.3 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

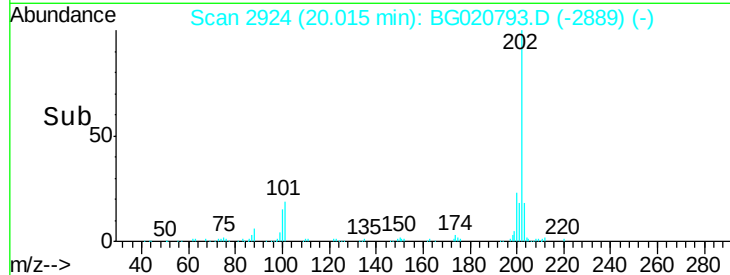
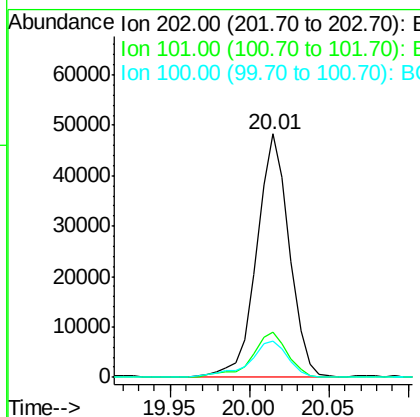
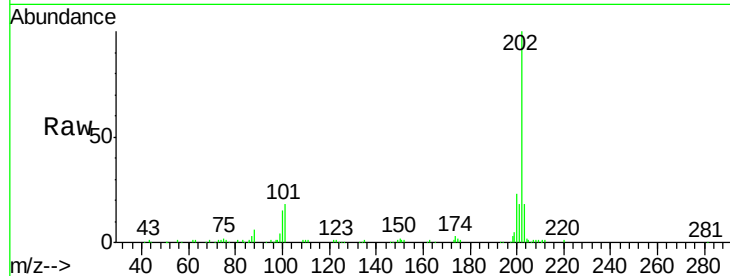




#80
 Pyrene
 Concen: 8.64 ng/ul
 RT: 20.01 min Scan# 2924
 Delta R.T. 0.01 min
 Lab File: BG020793.D
 Acq: 4 Feb 2016 19:08

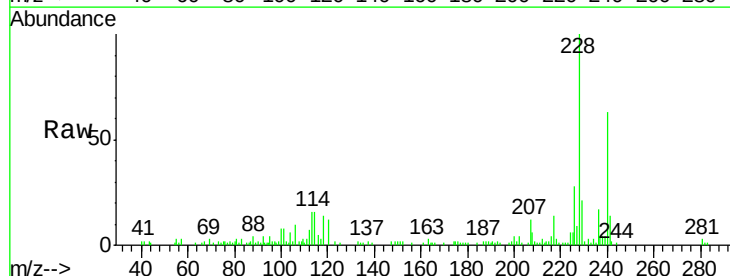
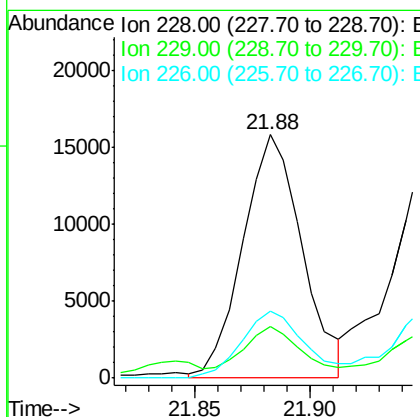
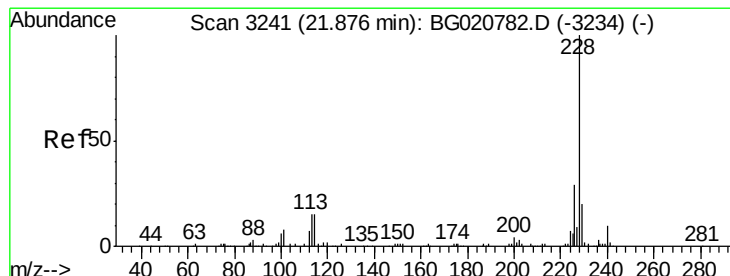
Instrument :
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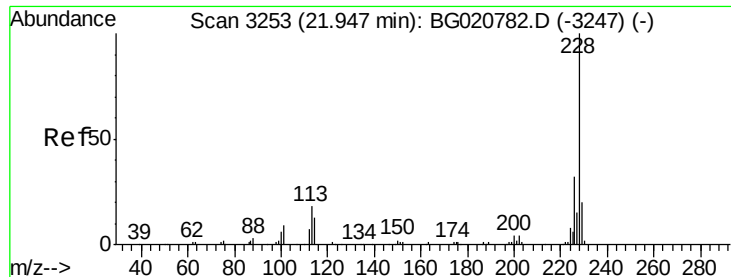
Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.4	6.9	10.3#
100	14.9	5.6	8.4#



#83
 Benzo(a)anthracene
 Concen: 4.15 ng/ul
 RT: 21.88 min Scan# 3242
 Delta R.T. 0.01 min
 Lab File: BG020793.D
 Acq: 4 Feb 2016 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	16.0	24.0
226	27.5	21.8	32.8





#85

Chrysene

Concen: 4.46 ng/ul

RT: 21.95 min Scan# 3254

Delta R.T. 0.01 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

Instrument :

BNA_G

ClientSampleId :

BBG09

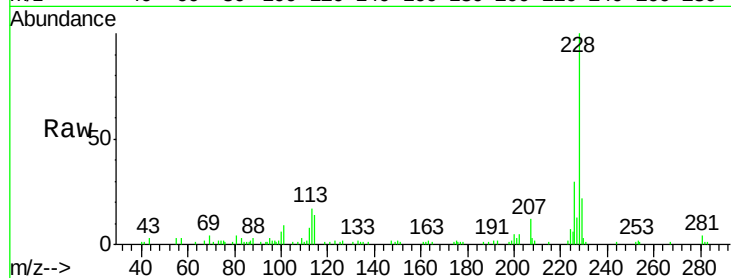
Tgt Ion:228 Resp: 28174

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

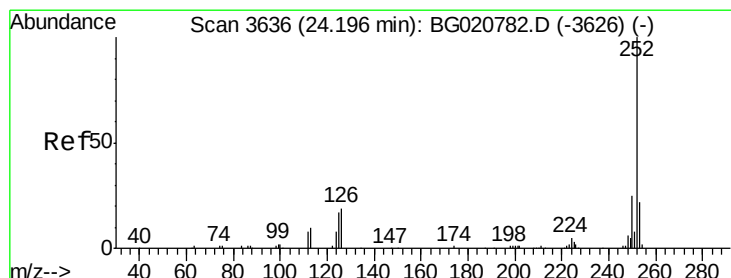
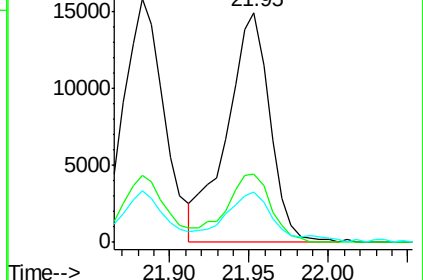
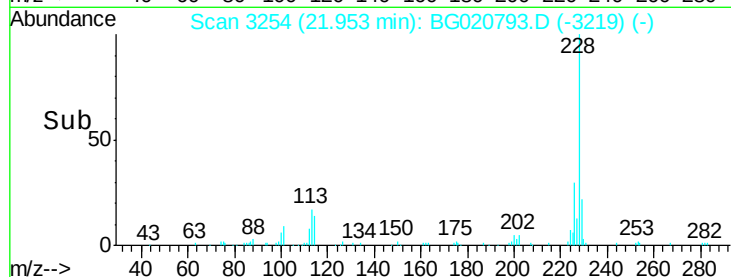
229 21.8 16.0 24.0



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: 5.04 ng/ul

RT: 24.21 min Scan# 3638

Delta R.T. 0.01 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

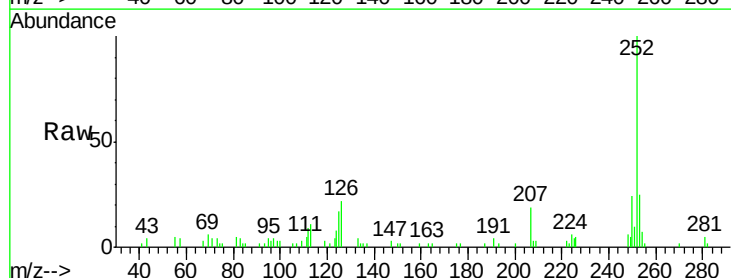
Tgt Ion:252 Resp: 33540

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.0

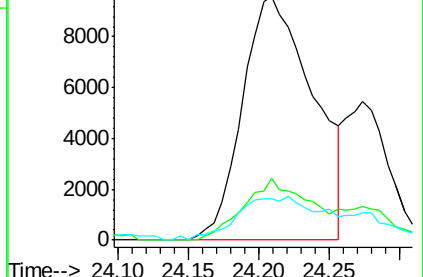
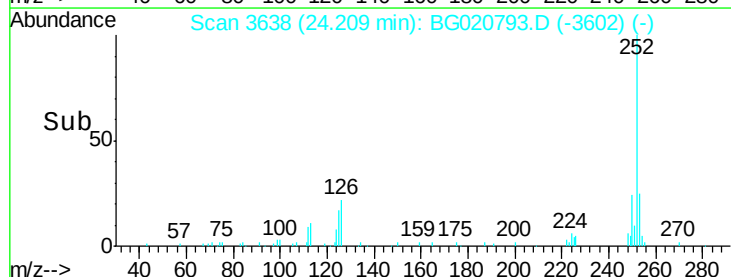
125 17.1 4.9 7.3#

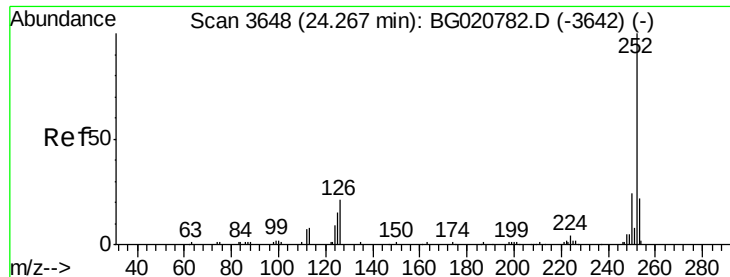


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.14 ng/ul

RT: 24.21 min Scan# 3638

Delta R.T. -0.06 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

Instrument :

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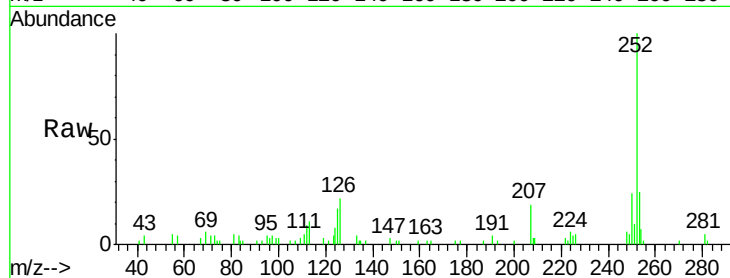
Tgt Ion:252 Resp: 33540

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

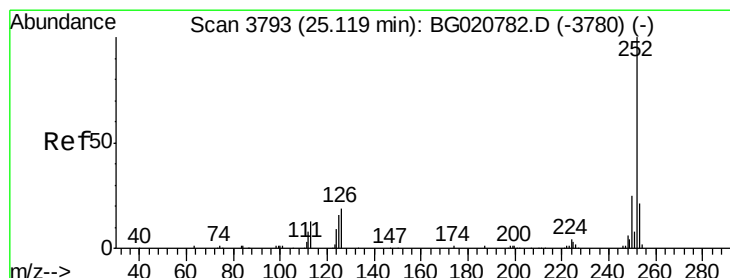
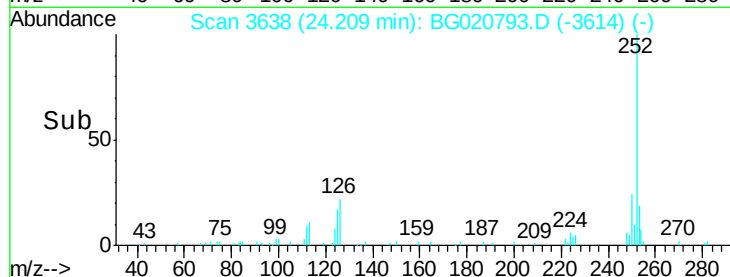
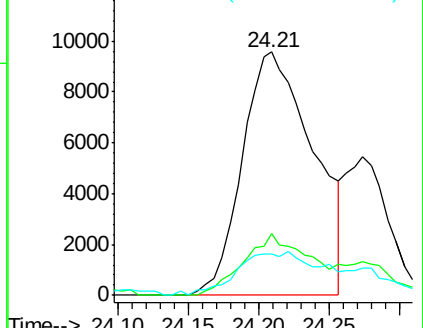
125 17.1 5.4 8.0#



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: 3.79 ng/ul

RT: 25.13 min Scan# 3794

Delta R.T. 0.01 min

Lab File: BG020793.D

Acq: 4 Feb 2016 19:08

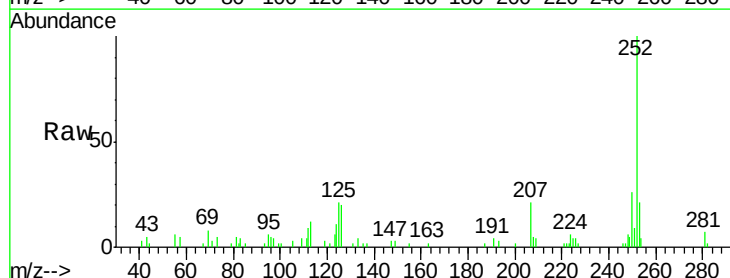
Tgt Ion:252 Resp: 24122

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

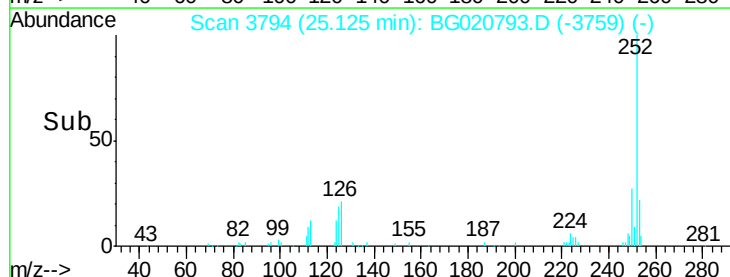
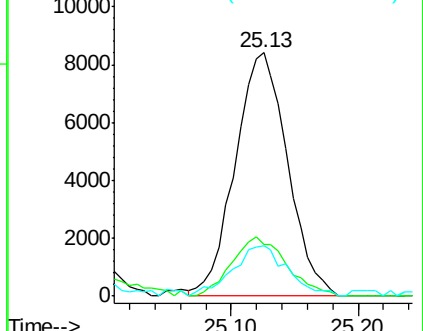
125 20.6 5.8 8.6#

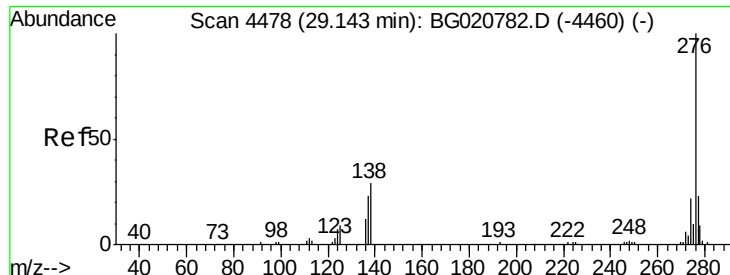


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

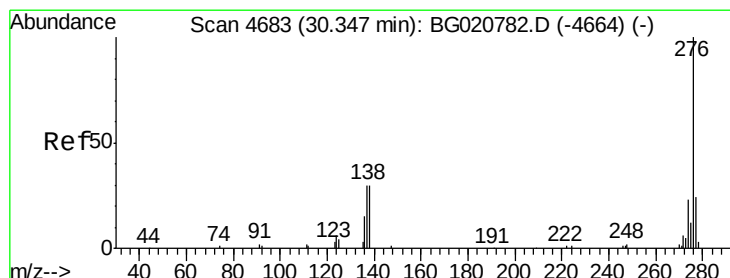
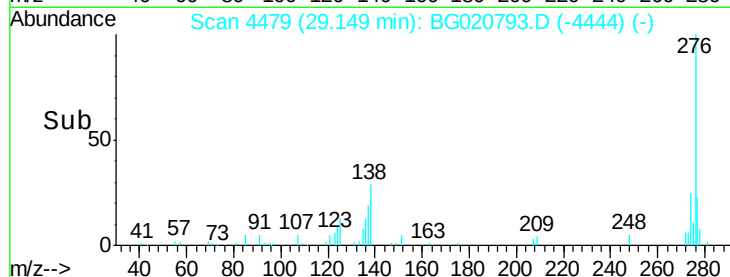
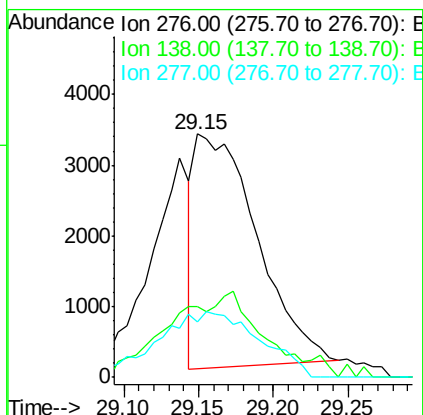
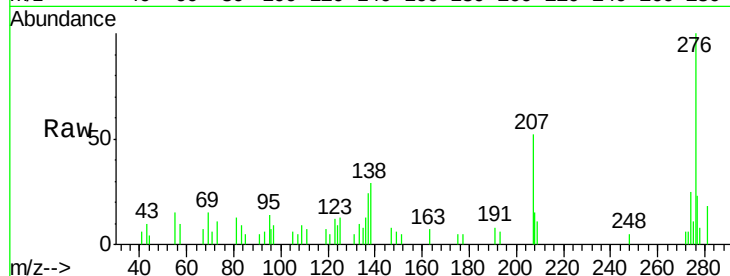




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 1.28 ng/ul
 RT: 29.15 min Scan# 4479
 Delta R.T. 0.01 min
 Lab File: BG020793.D
 Acq: 4 Feb 2016 19:08

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 BBG09

Tgt Ion:276 Resp: 9521
 Ion Ratio Lower Upper
 276 100
 138 29.0 10.9 16.3#
 277 22.6 18.9 28.3



#94
 Benzo(g,h,i)perylene
 Concen: 1.35 ng/ul
 RT: 30.37 min Scan# 4687
 Delta R.T. 0.02 min
 Lab File: BG020793.D
 Acq: 4 Feb 2016 19:08

Tgt Ion:276 Resp: 8261
 Ion Ratio Lower Upper
 276 100
 138 34.1 11.2 16.8#
 277 26.3 19.0 28.6

