

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020416\
 Data File : BG020791.D
 Acq On : 4 Feb 2016 17:49
 Operator : SJ/IZ
 Sample : H1334-22
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBG19

Quant Time: Feb 05 04:20:42 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	21504	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	108804	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	61376	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	116427	20.00	ng/ul	0.00
78) Chrysene-d12	21.91	240	98374	20.00	ng/ul	0.00
86) Perylene-d12	25.28	264	94402	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	1126	2.51	ng/uL	0.00
5) Phenol-d5	7.41	99	28982	13.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	17319	15.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	24971	15.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	23769	12.52	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	11650	17.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	10863	18.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	23526	14.81	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	33652	15.06	ng/ul	0.00
44) Dimethylphthalate-d6	14.29	166	78654	15.00	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	103184	16.15	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	10218	11.02	ng/ul	0.00
58) Fluorene-d10	15.87	176	68468	14.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.98	200	4470	11.63	ng/ul	0.00
71) Anthracene-d10	17.72	188	96976	16.94	ng/ul	0.00
79) Pyrene-d10	19.98	212	91777	17.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.05	264	88260	17.44	ng/ul	0.01

Target Compounds

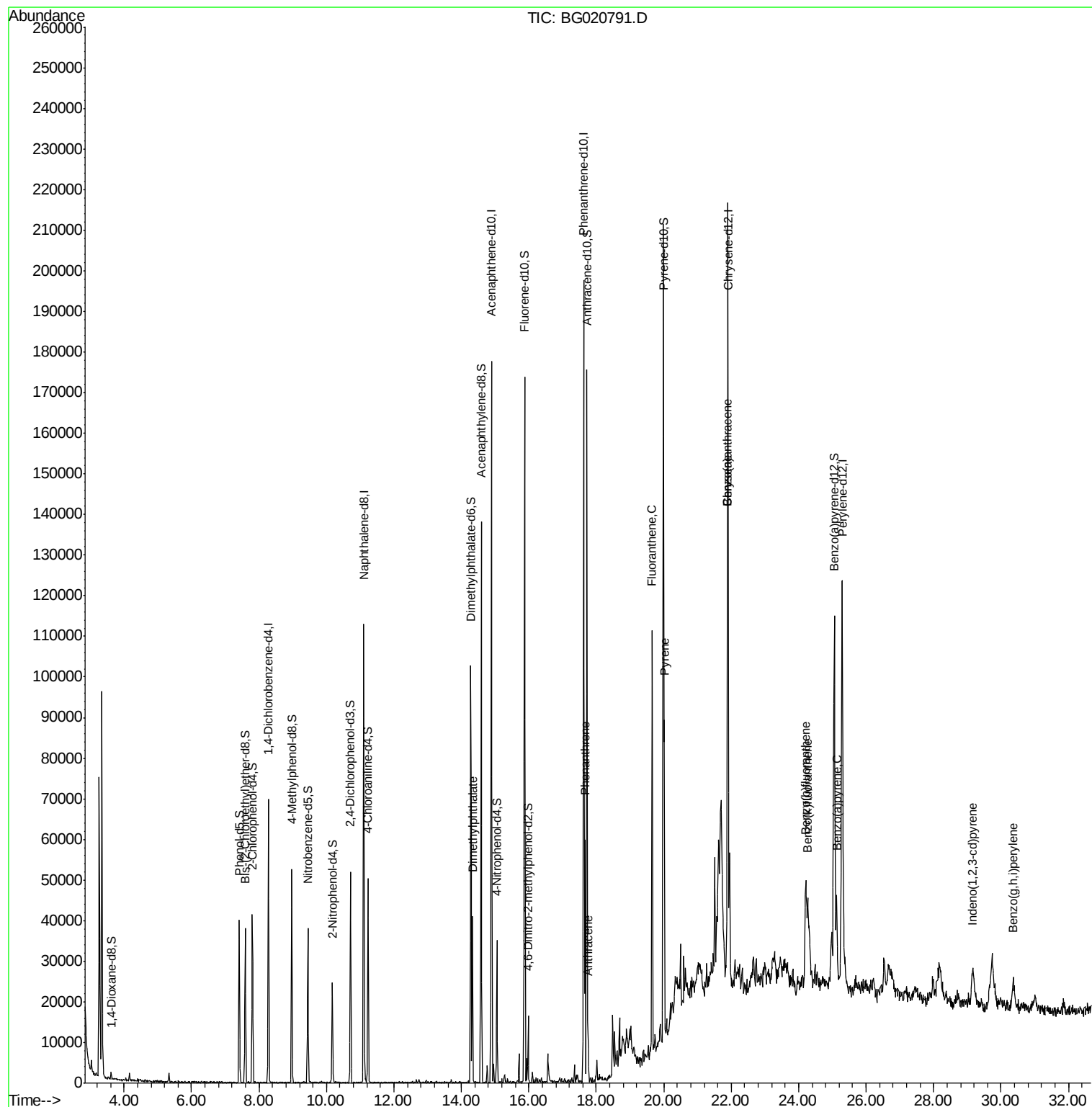
						Qvalue
45) Dimethylphthalate	14.33	163	29574	5.40	ng/ul#	97
70) Phenanthrene	17.66	178	37962	5.19	ng/ul	98
72) Anthracene	17.75	178	8699	1.19	ng/ul	98
77) Fluoranthene	19.66	202	57229	7.62	ng/ul#	81
80) Pyrene	20.01	202	44714	6.01	ng/ul#	75
83) Benzo(a)anthracene	21.88	228	23721	3.74	ng/ul	98
85) Chrysene	21.88	228	23721	4.03	ng/ul	95
88) Benzo(b)fluoranthene	24.21	252	26883	4.35	ng/ul#	86
89) Benzo(k)fluoranthene	24.27	252	8070	1.33	ng/ul#	86
91) Benzo(a)pyrene	25.12	252	19317	3.26	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	29.15	276	12280	1.78	ng/ul#	78
94) Benzo(g,h,i)perylene	30.36	276	5983	1.05	ng/ul#	80

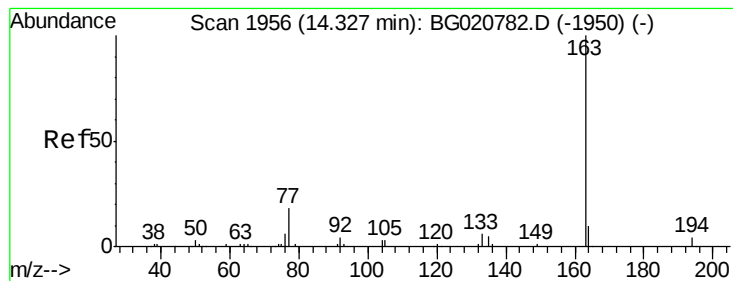
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 5.40 ng/ul

RT: 14.33 min Scan# 1956

Delta R.T. -0.00 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

Instrument :

BNA_G

ClientSampleId :

BBG19

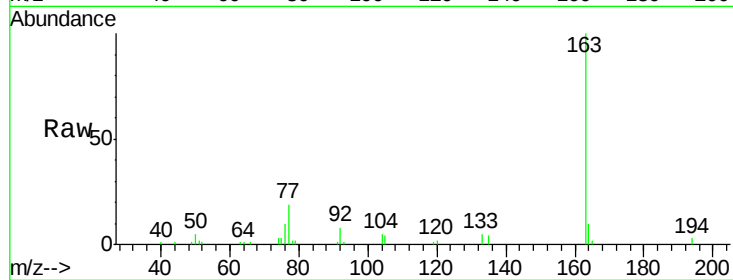
Tgt Ion:163 Resp: 29574

Ion Ratio Lower Upper

163 100

194 3.3 4.0 6.0#

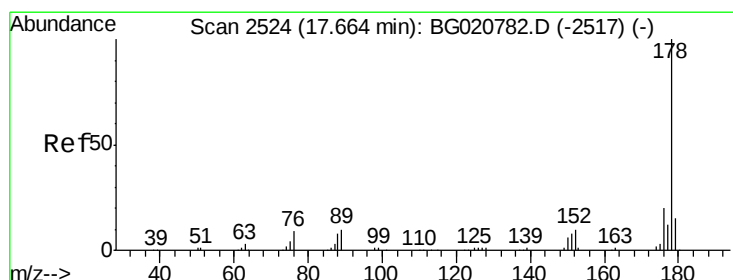
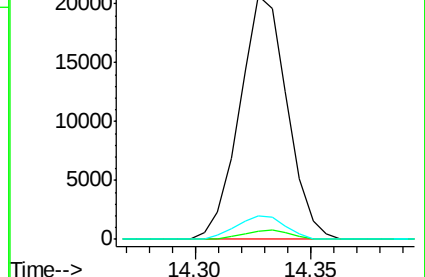
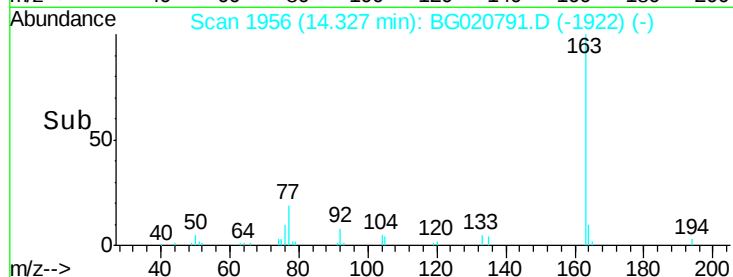
164 9.8 8.4 12.6



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: 5.19 ng/ul

RT: 17.66 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

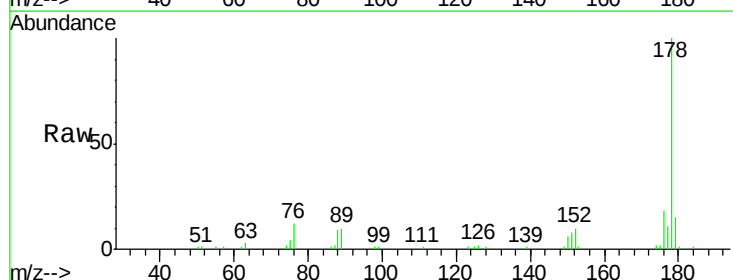
Tgt Ion:178 Resp: 37962

Ion Ratio Lower Upper

178 100

179 14.9 12.3 18.5

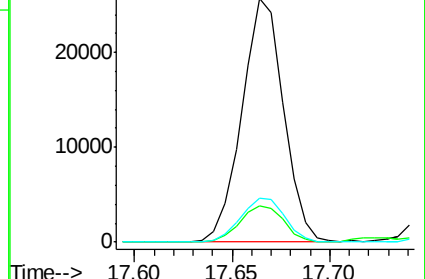
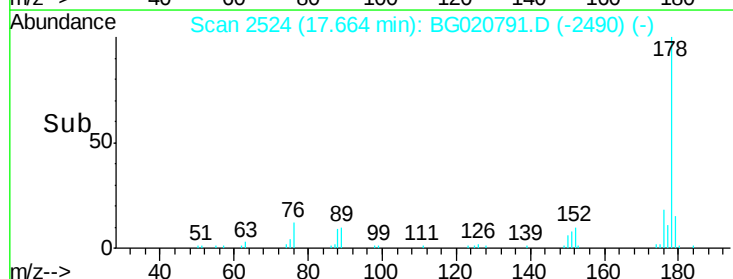
176 18.3 15.4 23.0

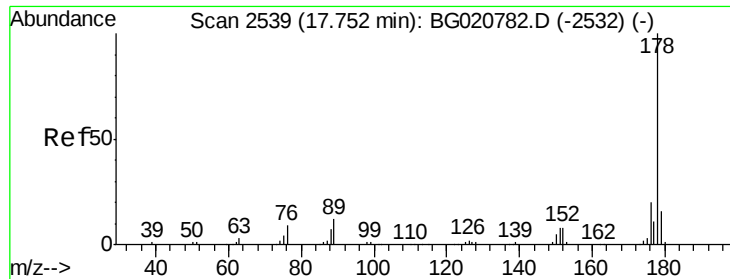


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.19 ng/ul

RT: 17.75 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

Instrument :

BNA_G

ClientSampleId :

BBG19

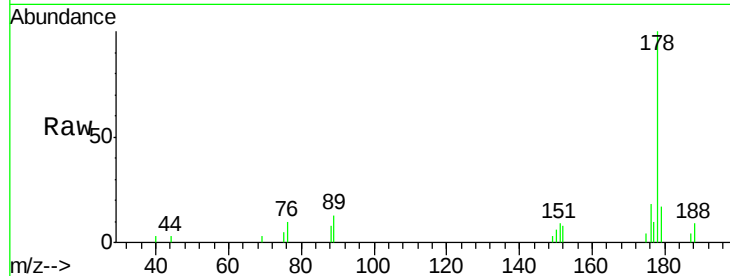
Tgt Ion:178 Resp: 8699

Ion Ratio Lower Upper

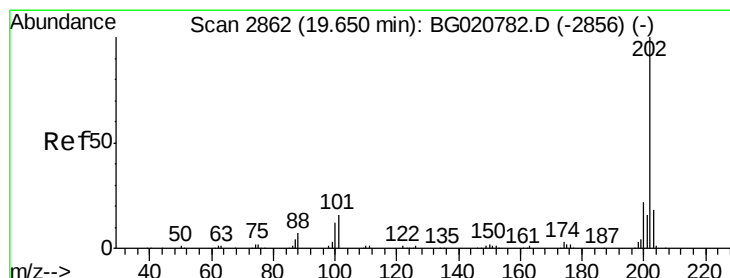
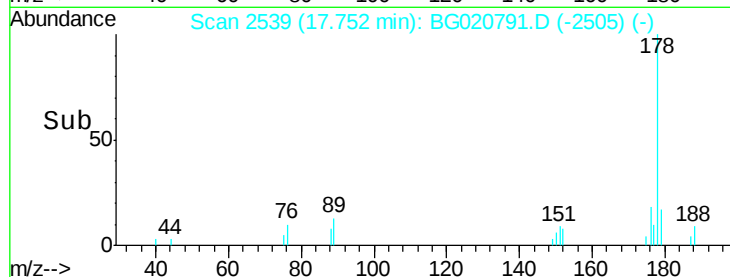
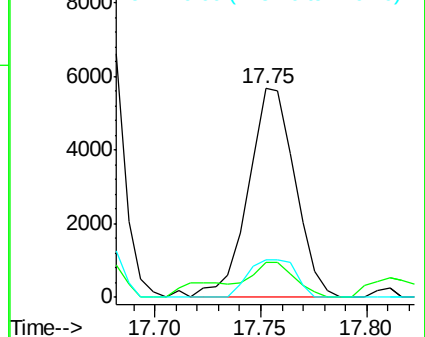
178 100

179 16.5 13.4 20.2

176 17.7 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: 7.62 ng/ul

RT: 19.66 min Scan# 2863

Delta R.T. 0.01 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

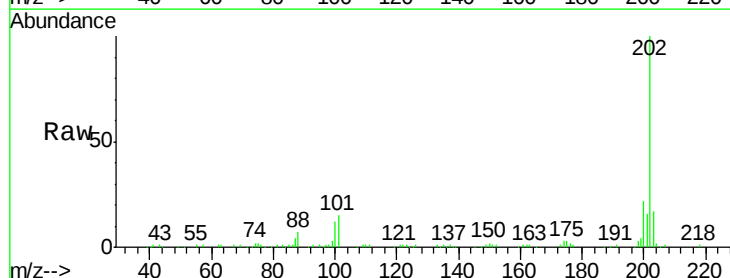
Tgt Ion:202 Resp: 57229

Ion Ratio Lower Upper

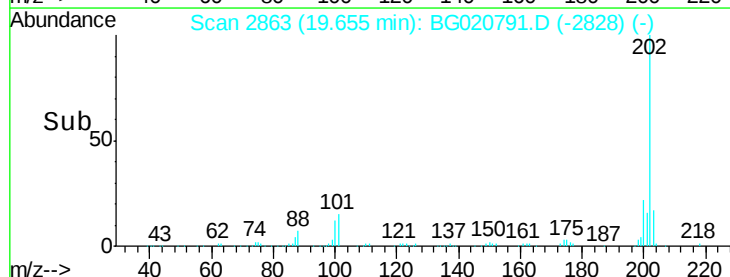
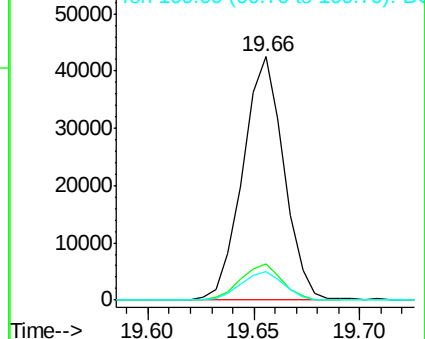
202 100

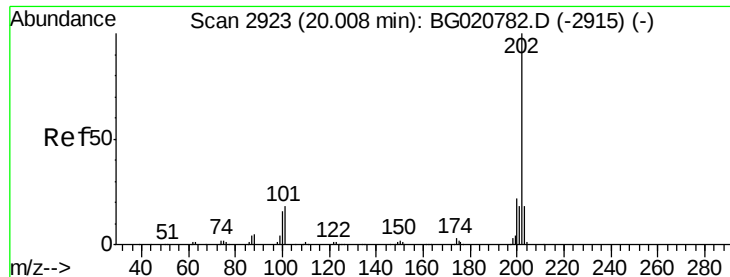
101 14.7 6.1 9.1#

100 11.6 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

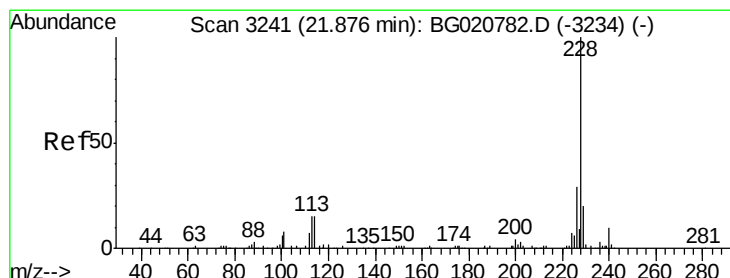
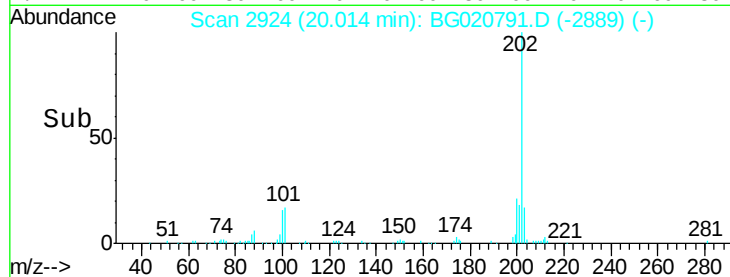
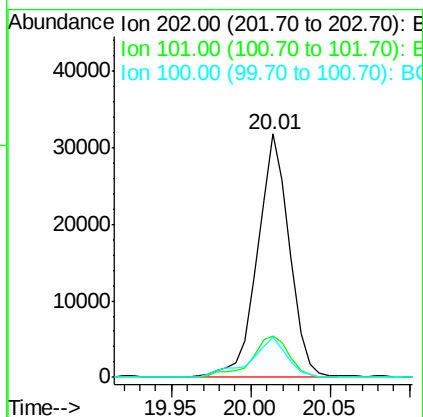
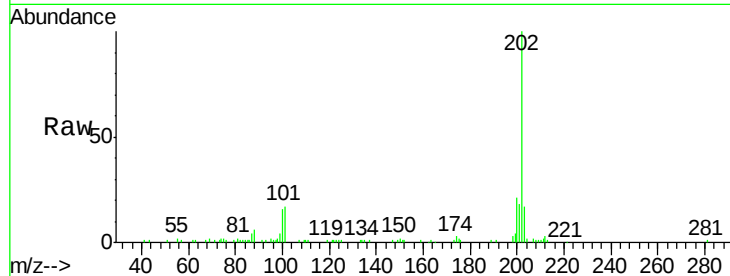




#80
 Pyrene
 Concen: 6.01 ng/ul
 RT: 20.01 min Scan# 2924
 Delta R.T. 0.01 min
 Lab File: BG020791.D
 Acq: 4 Feb 2016 17:49

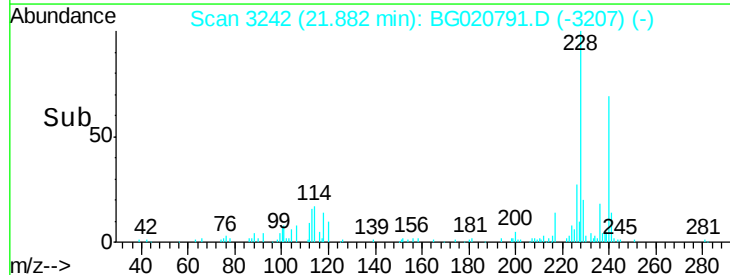
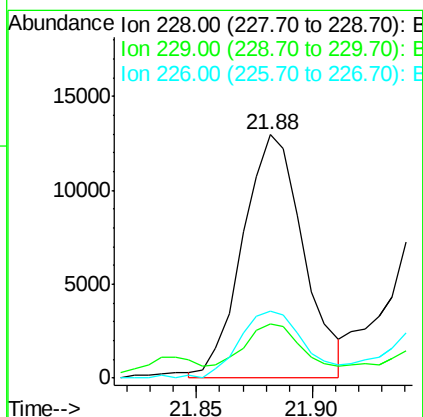
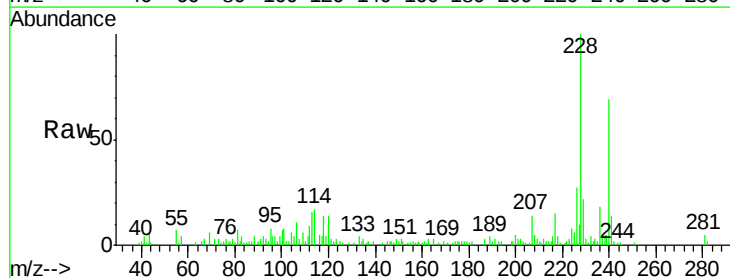
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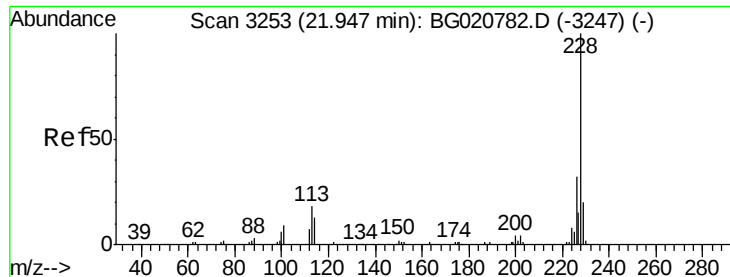
Tgt Ion:202 Resp: 44714
 Ion Ratio Lower Upper
 202 100
 101 16.8 6.9 10.3#
 100 16.2 5.6 8.4#



#83
 Benzo(a)anthracene
 Concen: 3.74 ng/ul
 RT: 21.88 min Scan# 3242
 Delta R.T. 0.01 min
 Lab File: BG020791.D
 Acq: 4 Feb 2016 17:49

Tgt Ion:228 Resp: 23721
 Ion Ratio Lower Upper
 228 100
 229 22.0 16.0 24.0
 226 27.3 21.8 32.8





#85

Chrysene

Concen: 4.03 ng/ul

RT: 21.88 min Scan# 3242

Delta R.T. -0.06 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

Instrument :

BNA_G

ClientSampleId :

BBG19

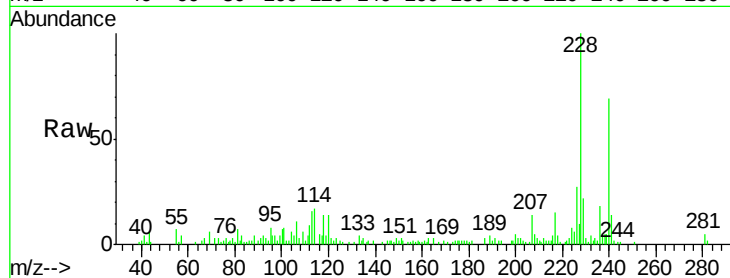
Tgt Ion:228 Resp: 23721

Ion Ratio Lower Upper

228 100

226 27.3 24.1 36.1

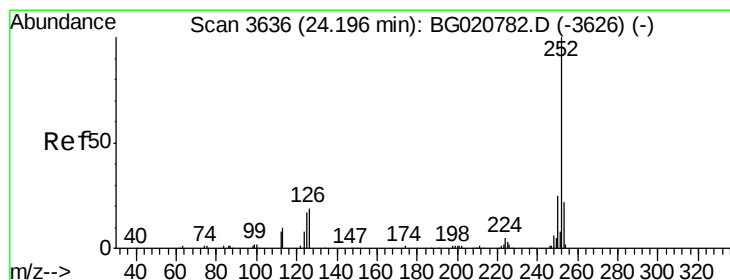
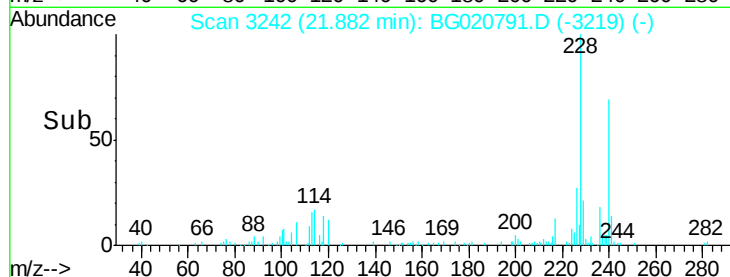
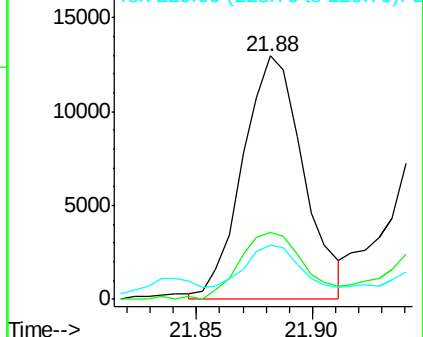
229 22.0 16.0 24.0



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: 4.35 ng/ul

RT: 24.21 min Scan# 3638

Delta R.T. 0.01 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

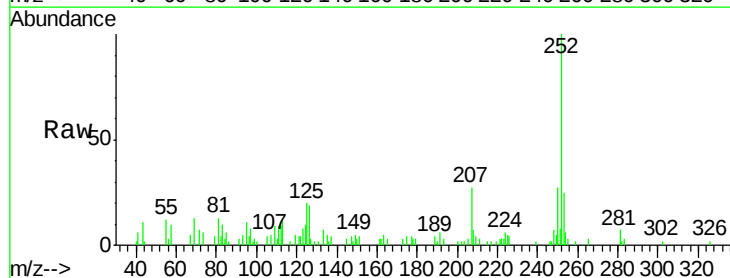
Tgt Ion:252 Resp: 26883

Ion Ratio Lower Upper

252 100

253 24.9 17.4 26.0

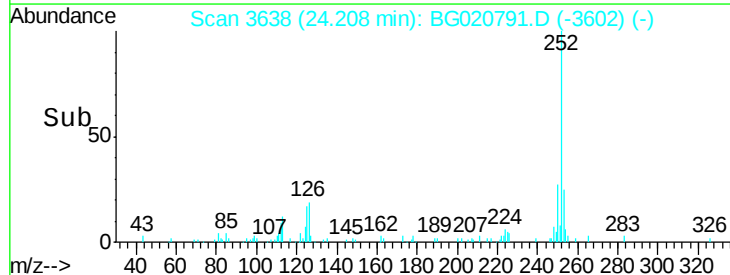
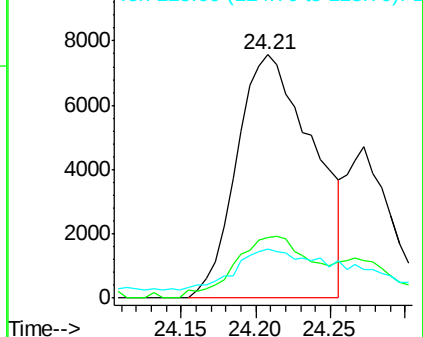
125 20.0 4.9 7.3#

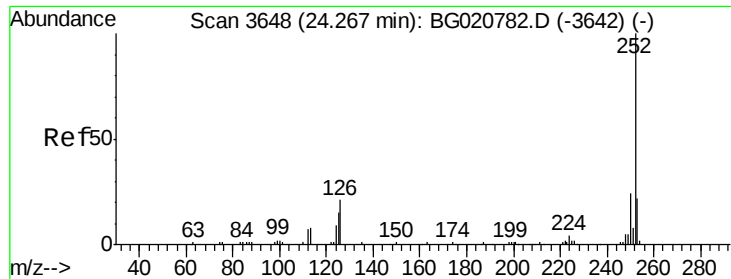


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.33 ng/u1

RT: 24.27 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

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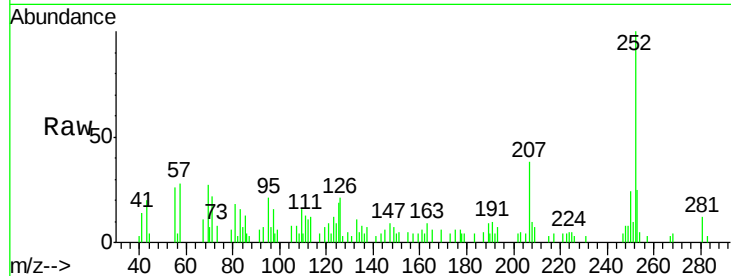
Tgt Ion:252 Resp: 8070

Ion Ratio Lower Upper

252 100

253 24.7 17.1 25.7

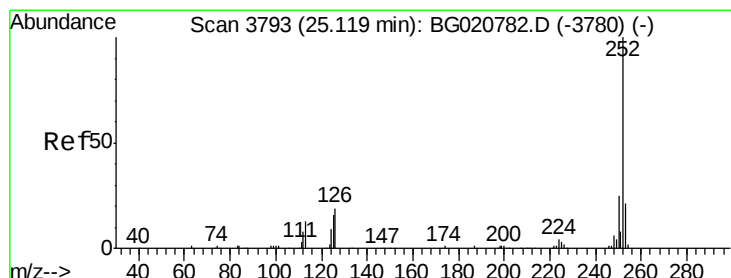
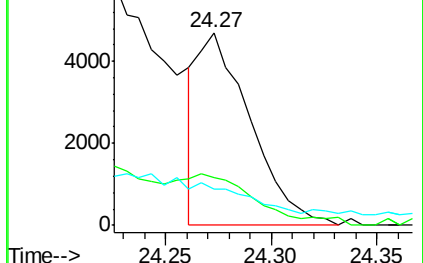
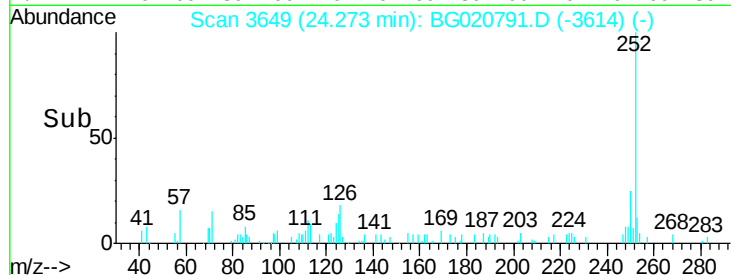
125 18.8 5.4 8.0#



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: 3.26 ng/u1

RT: 25.12 min Scan# 3794

Delta R.T. 0.01 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

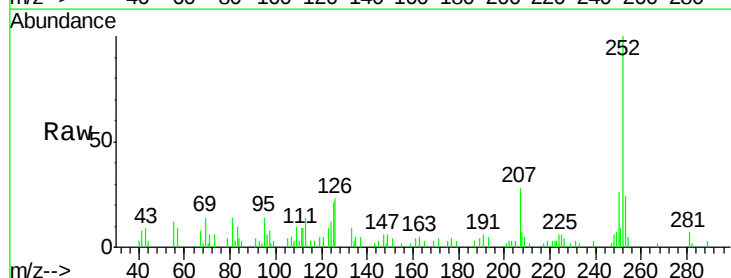
Tgt Ion:252 Resp: 19317

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

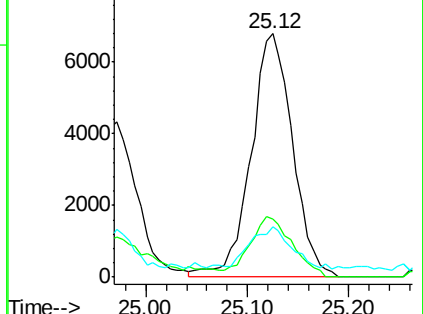
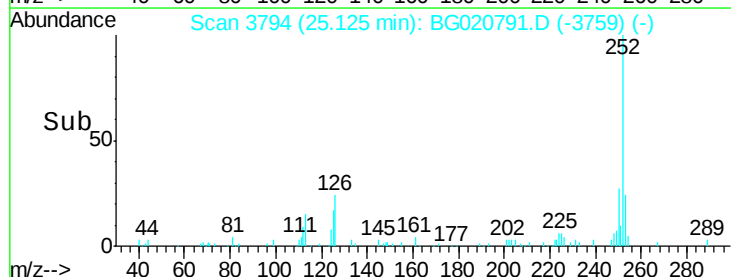
125 20.7 5.8 8.6#

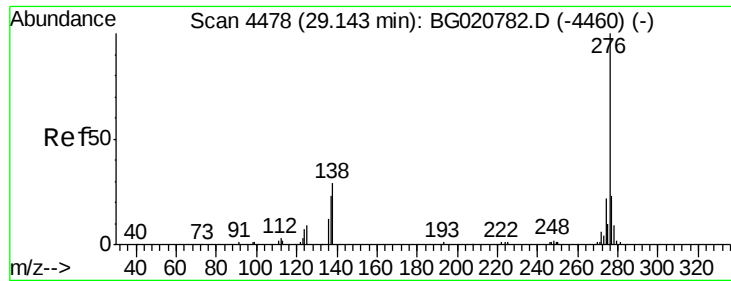


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.78 ng/ul

RT: 29.15 min Scan# 4480

Delta R.T. 0.01 min

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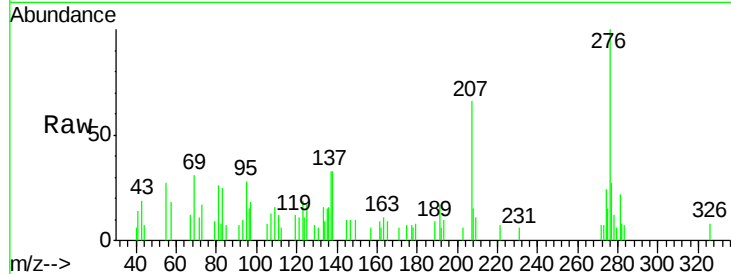
Tgt Ion:276 Resp: 12280

Ion Ratio Lower Upper

276 100

138 32.6 10.9 16.3#

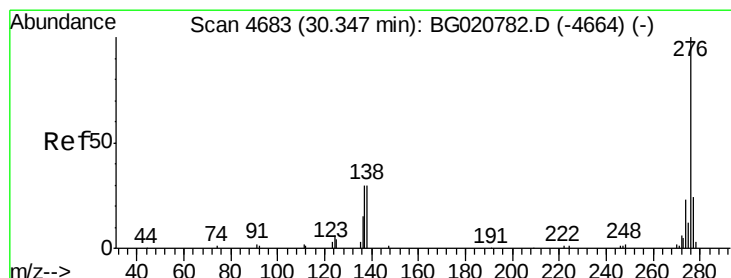
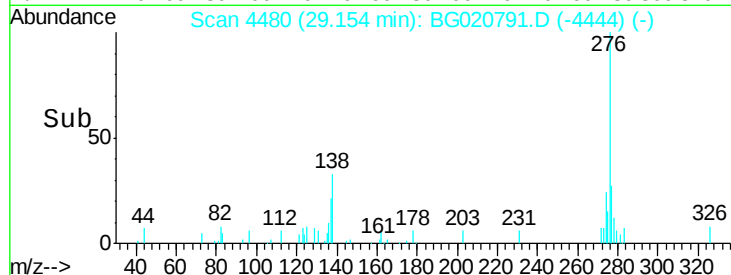
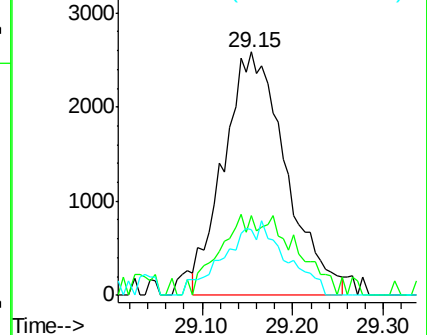
277 27.1 18.9 28.3



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: 1.05 ng/ul

RT: 30.36 min Scan# 4686

Delta R.T. 0.02 min

Lab File: BG020791.D

Acq: 4 Feb 2016 17:49

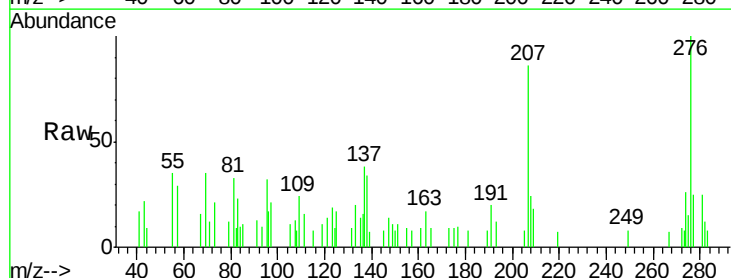
Tgt Ion:276 Resp: 5983

Ion Ratio Lower Upper

276 100

138 33.8 11.2 16.8#

277 24.9 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

