

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020416\
 Data File : BG020797.D
 Acq On : 4 Feb 2016 22:25
 Operator : SJ/IZ
 Sample : H1334-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBG17

Quant Time: Feb 05 07:38:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 05 07:34:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	18767	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	95724	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	54878	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	106595	20.00	ng/ul	0.00
78) Chrysene-d12	21.90	240	92712	20.00	ng/ul	0.00
86) Perylene-d12	25.28	264	86692	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.61	96	913	2.33	ng/uL	0.00
5) Phenol-d5	7.41	99	23932	12.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	14411	14.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	20909	14.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	20522	12.38	ng/ul	0.00
19) Nitrobenzene-d5	9.45	128	10185	17.44	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	9043	17.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	19666	14.07	ng/ul	0.00
29) 4-Chloroaniline-d4	11.23	131	26862	13.66	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	64538	13.77	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	87484	15.31	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	6888	8.31	ng/ul	0.00
58) Fluorene-d10	15.87	176	58320	14.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	2971	8.44	ng/ul	0.00
71) Anthracene-d10	17.72	188	82021	15.65	ng/ul	0.00
79) Pyrene-d10	19.98	212	80332	15.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.05	264	76878	16.55	ng/ul	0.00

Target Compounds

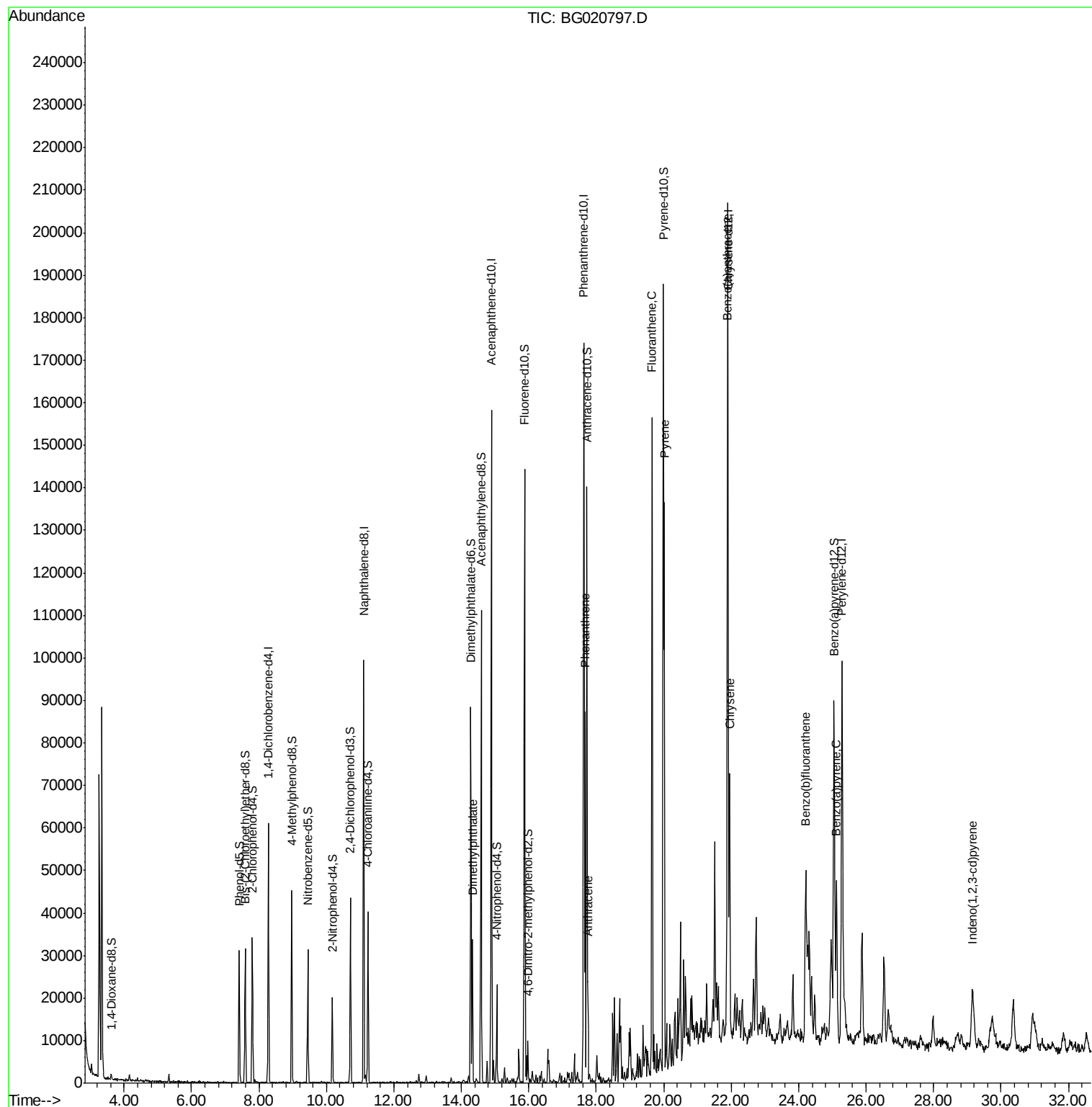
						Qvalue
45) Dimethylphthalate	14.33	163	24642	5.04	ng/ul	99
70) Phenanthrene	17.66	178	54960	8.21	ng/ul	98
72) Anthracene	17.75	178	15537	2.32	ng/ul	99
77) Fluoranthene	19.66	202	92509	13.45	ng/ul#	81
80) Pyrene	20.01	202	79194	11.30	ng/ul#	76
83) Benzo(a)anthracene	21.88	228	47905	8.02	ng/ul	95
85) Chrysene	21.95	228	40122	7.23	ng/ul	95
88) Benzo(b)fluoranthene	24.21	252	49867	8.78	ng/ul#	90
91) Benzo(a)pyrene	25.13	252	37543	6.91	ng/ul#	92
92) Indeno(1,2,3-cd)pyrene	29.15	276	23254	3.66	ng/ul#	80

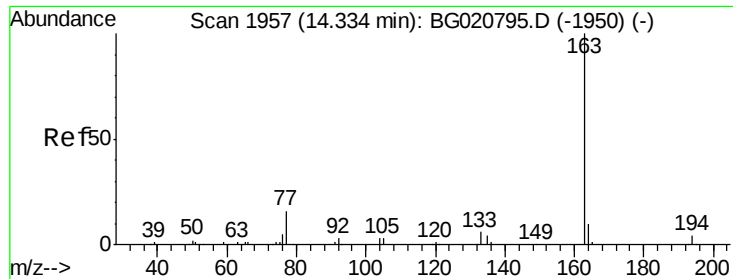
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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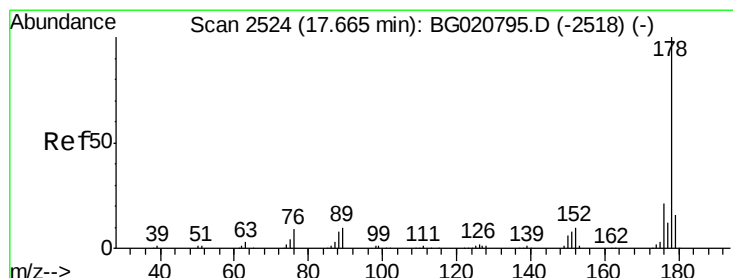
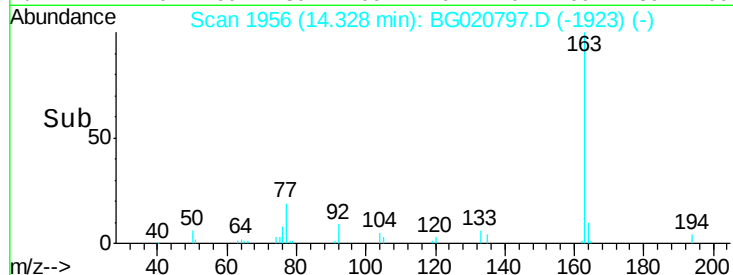
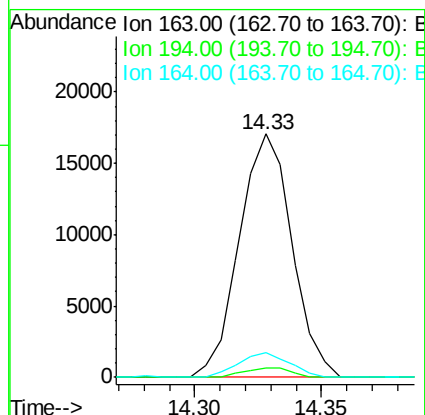
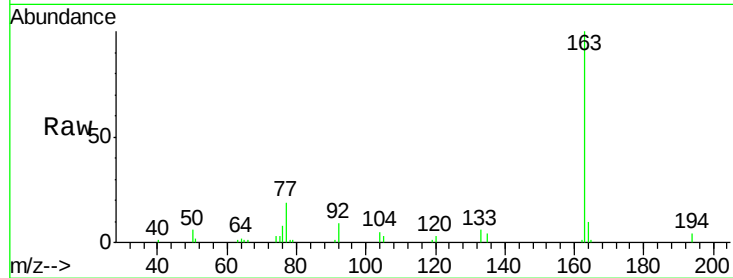




#45
Dimethylphthalate
Concen: 5.04 ng/ul
RT: 14.33 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG020797.D
Acq: 4 Feb 2016 22:25

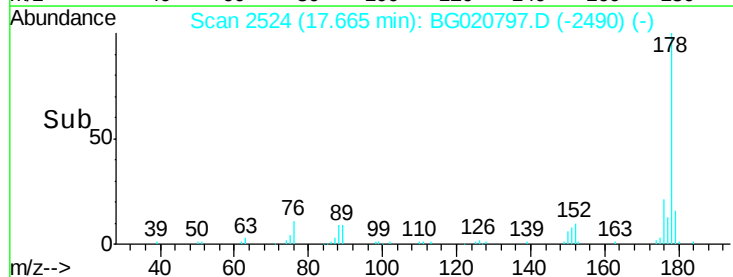
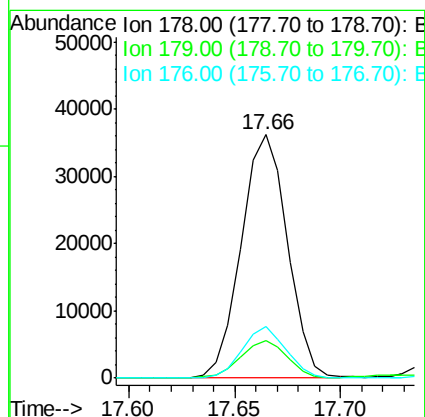
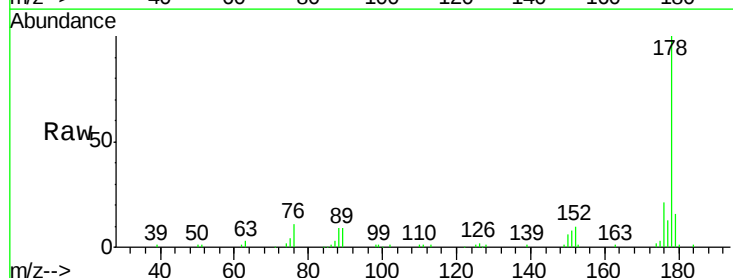
Instrument :
BNA_G
ClientSampleId :
BBG17

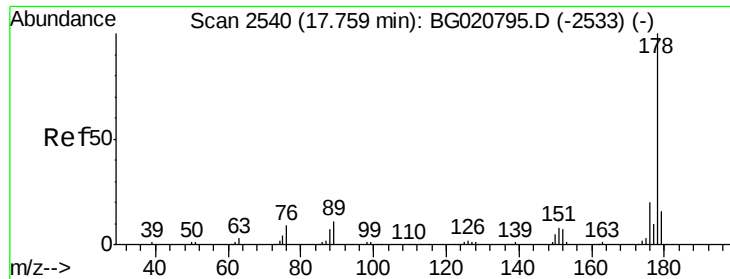
Tgt Ion:163 Resp: 24642
Ion Ratio Lower Upper
163 100
194 4.1 4.0 6.0
164 10.3 8.4 12.6



#70
Phenanthrene
Concen: 8.21 ng/ul
RT: 17.66 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BG020797.D
Acq: 4 Feb 2016 22:25

Tgt Ion:178 Resp: 54960
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 21.0 15.4 23.0





#72

Anthracene

Concen: 2.32 ng/ul

RT: 17.75 min Scan# 2539

Delta R.T. -0.01 min

Lab File: BG020797.D

Acq: 4 Feb 2016 22:25

Instrument :

BNA_G

ClientSampleId :

BBG17

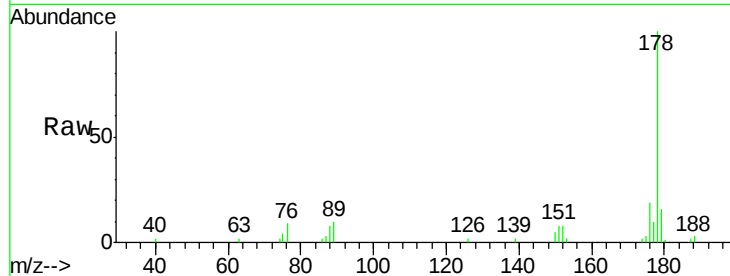
Tgt Ion:178 Resp: 15537

Ion Ratio Lower Upper

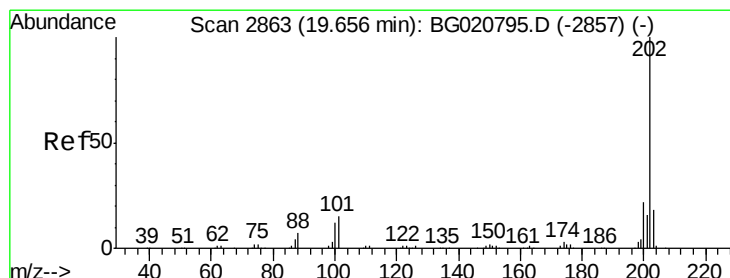
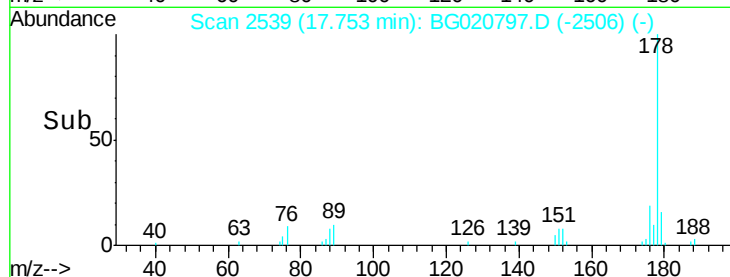
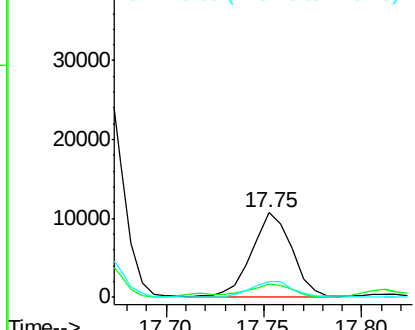
178 100

179 15.5 13.4 20.2

176 19.2 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: 13.45 ng/ul

RT: 19.66 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG020797.D

Acq: 4 Feb 2016 22:25

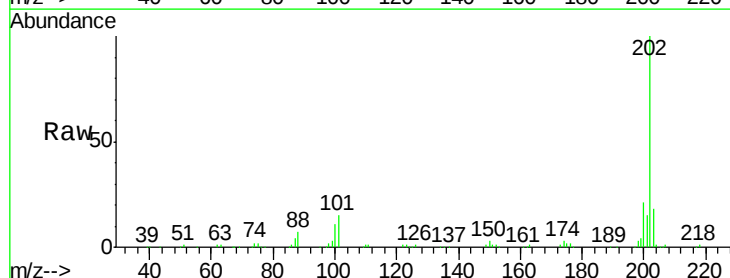
Tgt Ion:202 Resp: 92509

Ion Ratio Lower Upper

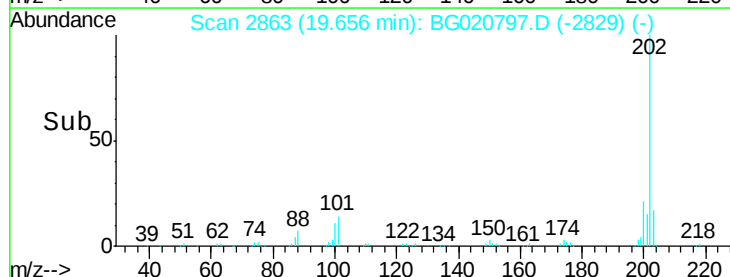
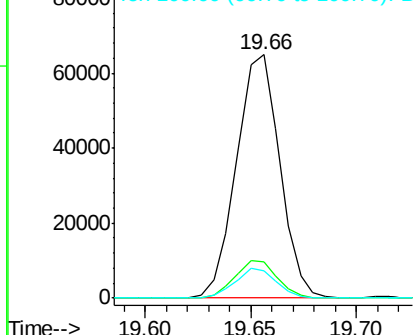
202 100

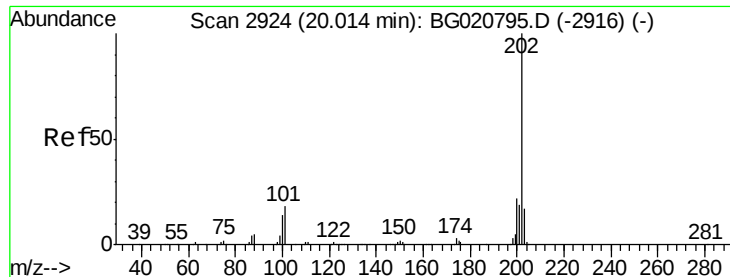
101 14.8 6.1 9.1#

100 11.1 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): B

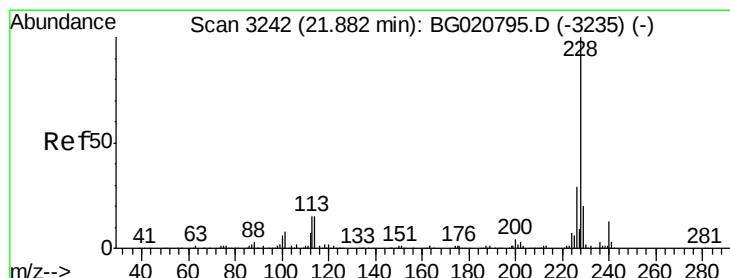
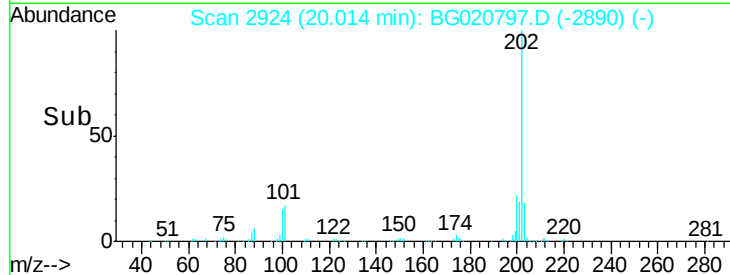
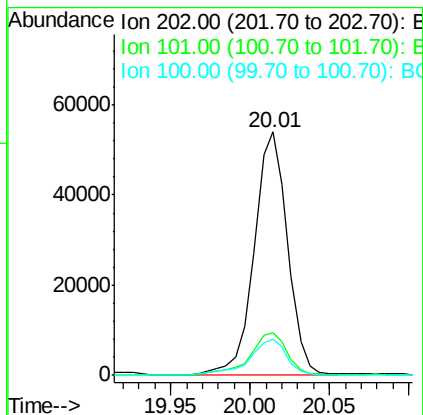
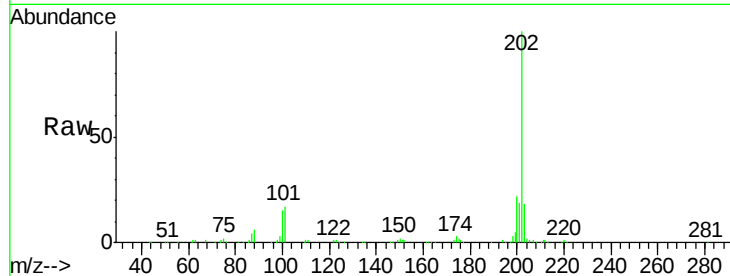




#80
 Pyrene
 Concen: 11.30 ng/ul
 RT: 20.01 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: BG020797.D
 Acq: 4 Feb 2016 22:25

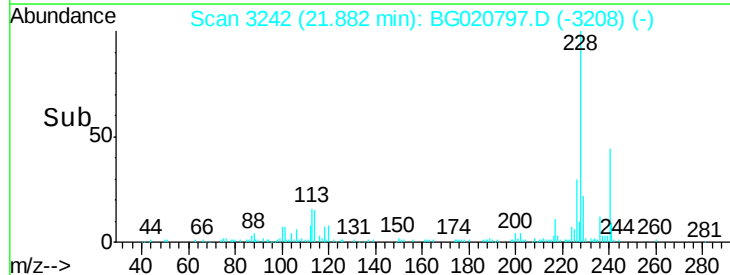
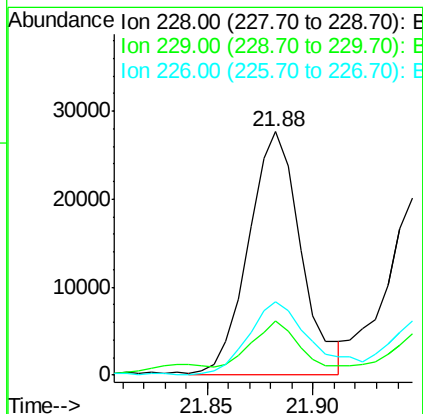
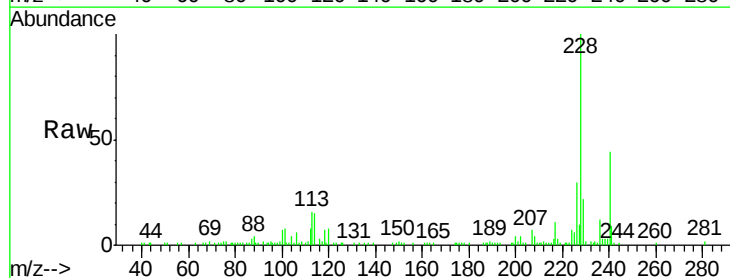
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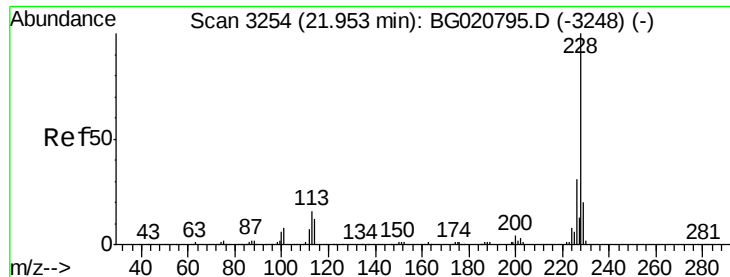
Tgt Ion:202 Resp: 79194
 Ion Ratio Lower Upper
 202 100
 101 17.4 6.9 10.3#
 100 15.1 5.6 8.4#



#83
 Benzo(a)anthracene
 Concen: 8.02 ng/ul
 RT: 21.88 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: BG020797.D
 Acq: 4 Feb 2016 22:25

Tgt Ion:228 Resp: 47905
 Ion Ratio Lower Upper
 228 100
 229 22.1 16.0 24.0
 226 30.0 21.8 32.8





#85

Chrysene

Concen: 7.23 ng/ul

RT: 21.95 min Scan# 3254

Delta R.T. -0.00 min

Lab File: BG020797.D

Acq: 4 Feb 2016 22:25

Instrument :

BNA_G

ClientSampleId :

BBG17

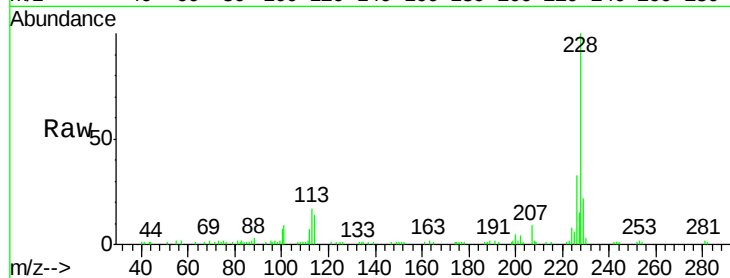
Tgt Ion:228 Resp: 40122

Ion Ratio Lower Upper

228 100

226 33.0 24.1 36.1

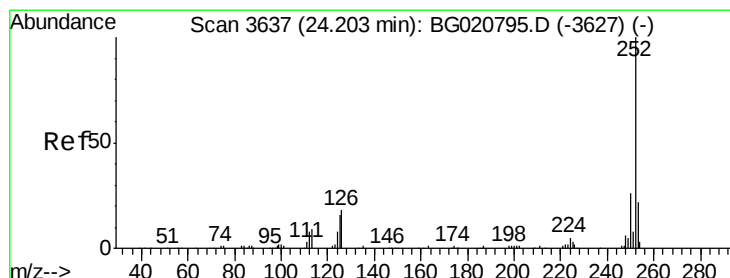
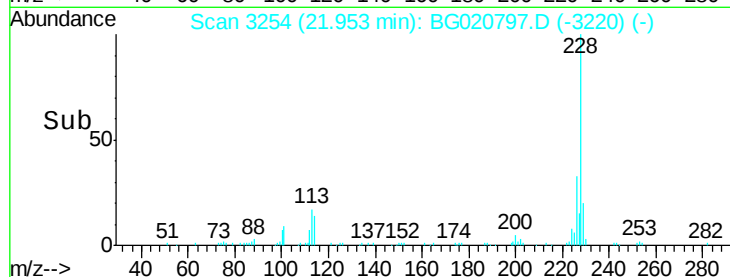
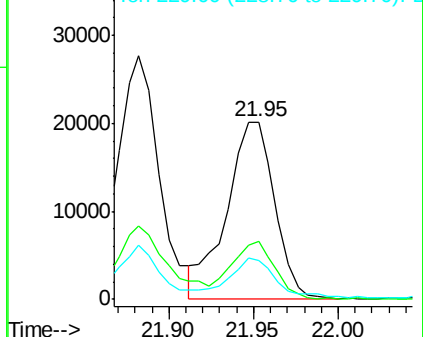
229 21.7 16.0 24.0



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: 8.78 ng/ul

RT: 24.21 min Scan# 3638

Delta R.T. 0.01 min

Lab File: BG020797.D

Acq: 4 Feb 2016 22:25

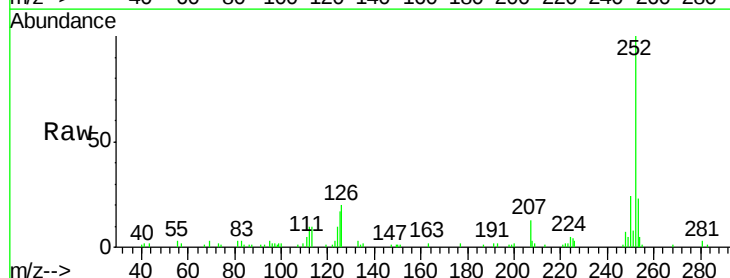
Tgt Ion:252 Resp: 49867

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

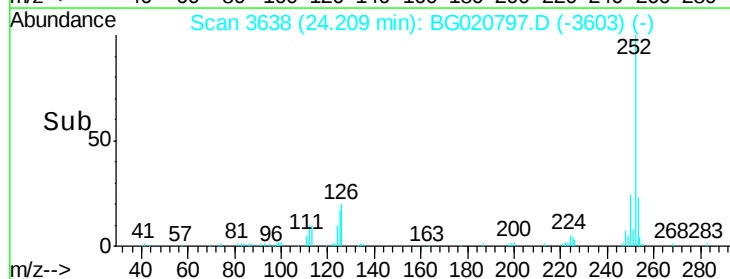
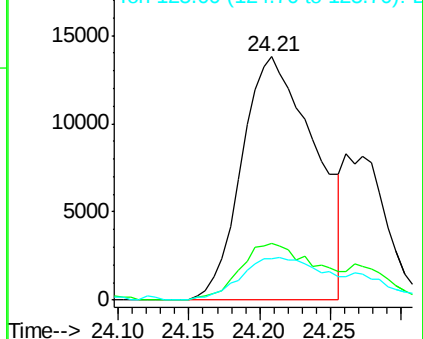
125 16.9 4.9 7.3#

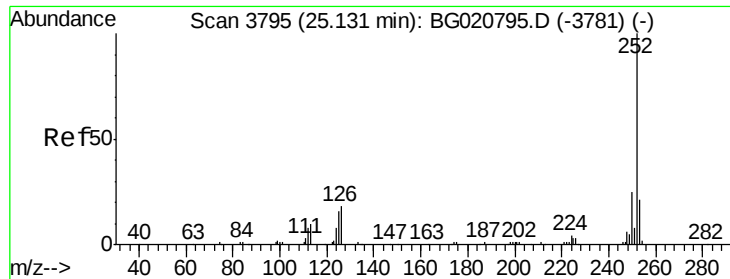


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 6.91 ng/ul

RT: 25.13 min Scan# 3794

Delta R.T. -0.01 min

Lab File: BG020797.D

Acq: 4 Feb 2016 22:25

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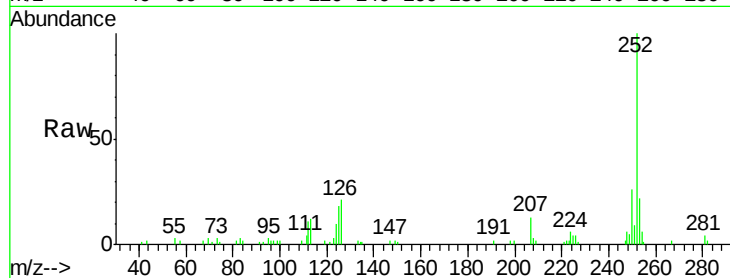
Tgt Ion:252 Resp: 37543

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

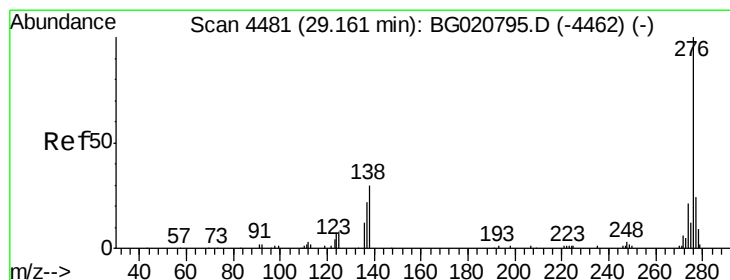
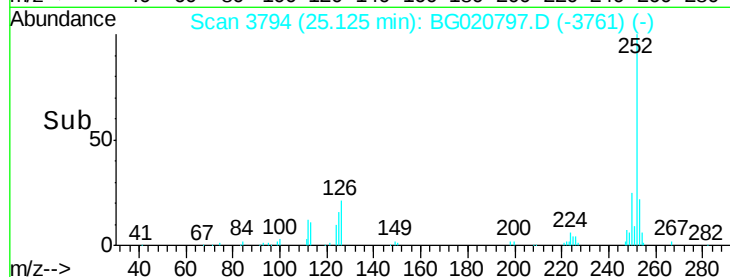
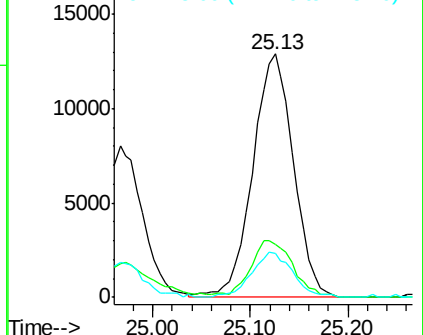
125 18.0 5.8 8.6#



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: 3.66 ng/ul

RT: 29.15 min Scan# 4479

Delta R.T. -0.01 min

Lab File: BG020797.D

Acq: 4 Feb 2016 22:25

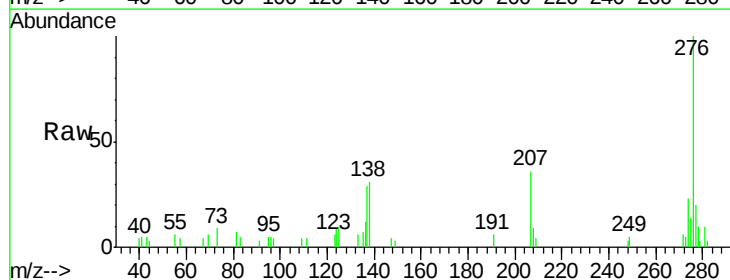
Tgt Ion:276 Resp: 23254

Ion Ratio Lower Upper

276 100

138 30.5 10.9 16.3#

277 19.6 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

