

Data File : BG025894.D
Acq On : 21 Feb 2017 4:37
Operator : SJ/MA
Sample : I1898-22
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DABC5

Quant Time: Feb 21 05:26:55 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 21 02:22:54 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	160735	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	776036	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.69	164	447925	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	902712	20.00	ng/ul	0.00
17) Chrysene-d12	21.68	240	900178	20.00	ng/ul	0.01
22) Perylene-d12	24.89	264	873733	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	924532	24.92	ng/ul	0.00
10) Fluorene-d10	15.68	176	654030	22.96	ng/ul	0.00
14) Anthracene-d10	17.52	188	903669	22.14	ng/ul	0.00
18) Pyrene-d10	19.80	212	916458	21.12	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	863335	22.33	ng/ul	0.02

Target Compounds				Qvalue		
3) Naphthalene	10.94	128	45737	1.20	ng/ul	95
13) Phenanthrene	17.46	178	432338	8.98	ng/ul	99
15) Anthracene	17.55	178	109425	2.24	ng/ul	98
16) Fluoranthene	19.46	202	1072397	20.26	ng/ul	98
19) Pyrene	19.82	202	910241	16.71	ng/ul	96
20) Benzo(a)anthracene	21.65	228	632051	12.48	ng/ul	93
21) Chrysene	21.72	228	646850	13.37	ng/ul	96
23) Benzo(b)fluoranthene	23.87	252	1313173	26.01	ng/ul#	95
24) Benzo(k)fluoranthene	23.87	252	1313173	26.93	ng/ul#	95
26) Benzo(a)pyrene	24.74	252	736046	15.07	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	28.55	276	559357	9.78	ng/ul#	88
28) Dibenzo(a,h)anthracene	28.59	278	164856	3.48	ng/ul#	79
29) Benzo(g,h,i)perylene	29.69	276	459568	9.73	ng/ul#	94

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

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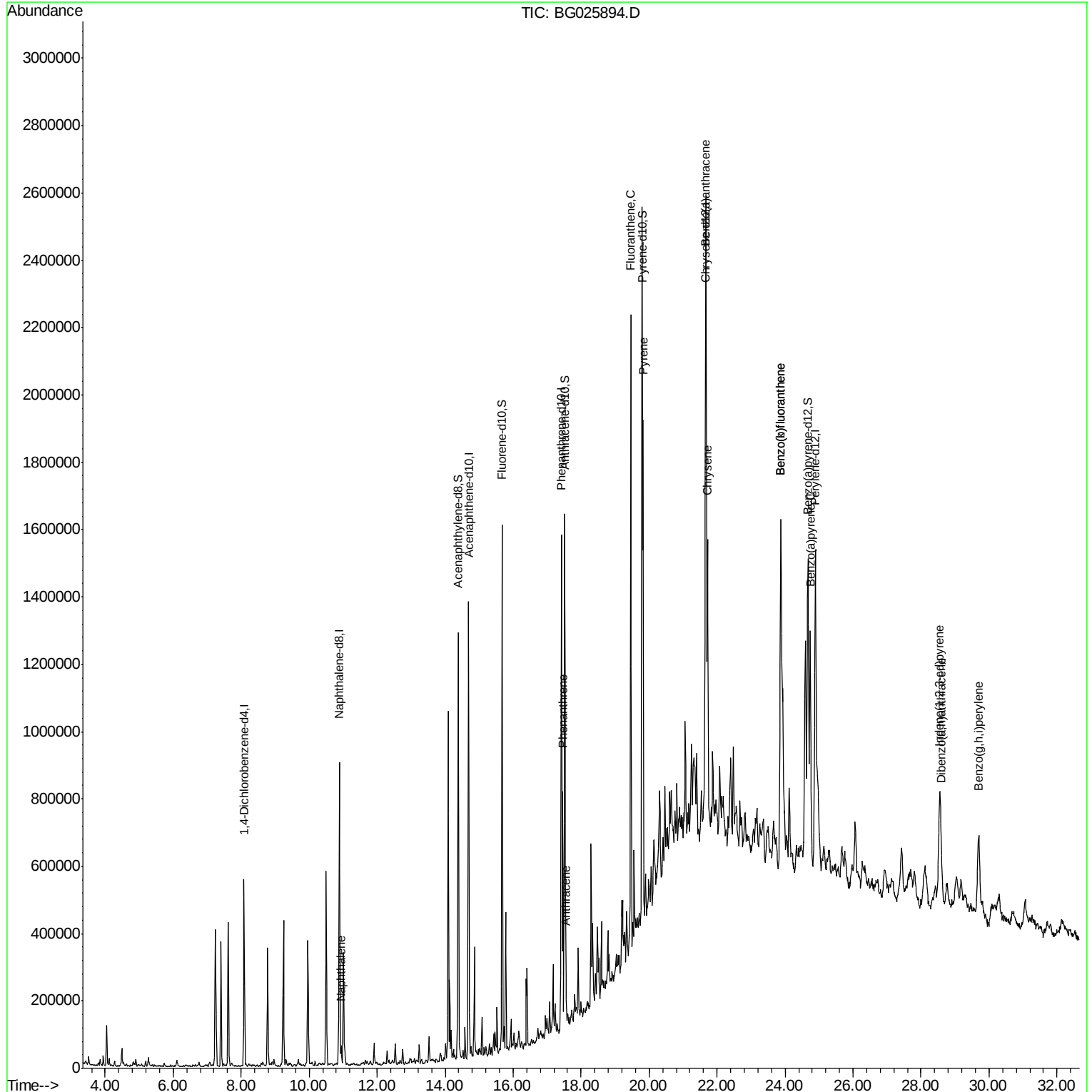
Quant Time: Feb 21 05:26:55 2017

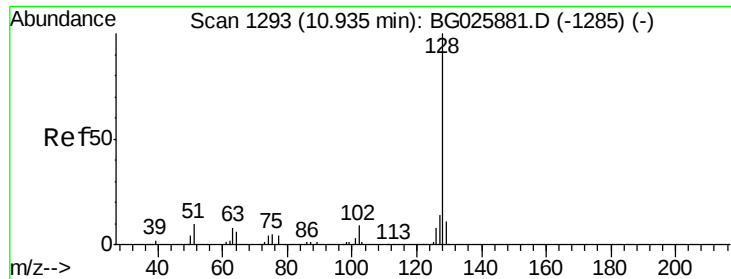
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Feb 21 02:22:54 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 1.20 ng/ul

RT: 10.94 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Instrument :

BNA_G

ClientSampleId :

DABC5

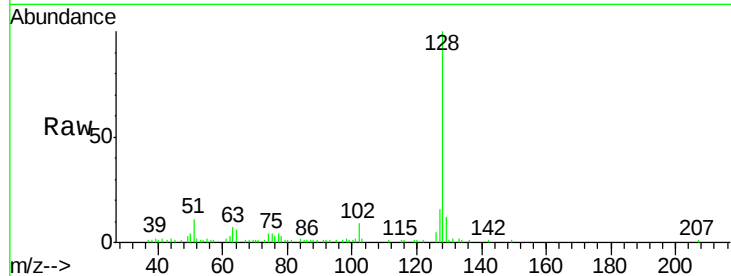
Tgt Ion:128 Resp: 45737

Ion Ratio Lower Upper

128 100

129 12.4 8.7 13.1

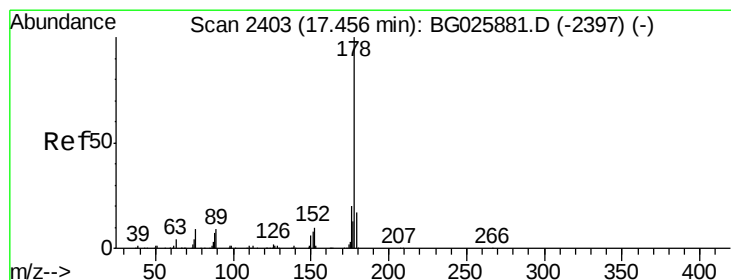
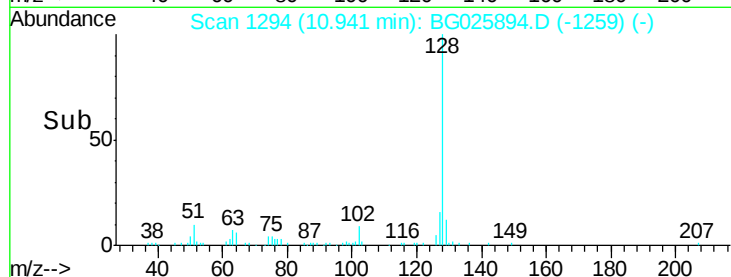
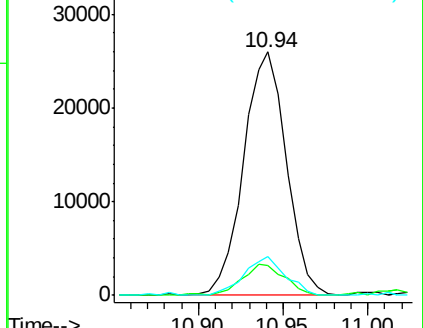
127 15.8 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

Phenanthrene

Concen: 8.98 ng/ul

RT: 17.46 min Scan# 2404

Delta R.T. 0.01 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

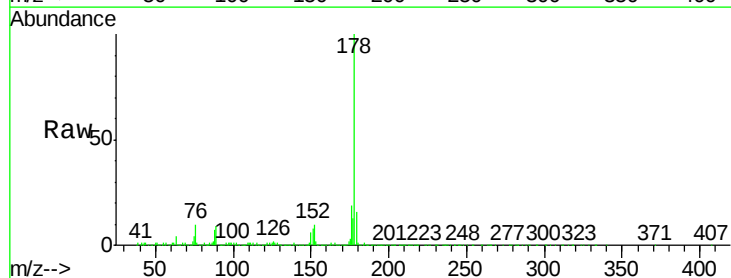
Tgt Ion:178 Resp: 432338

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

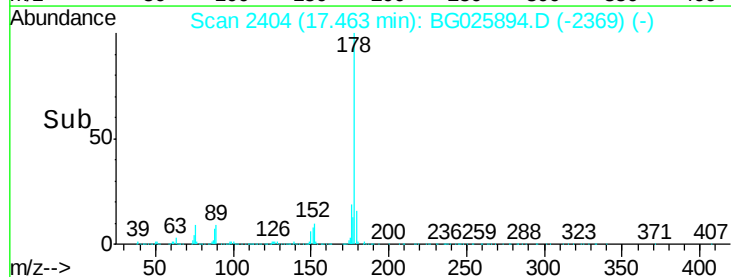
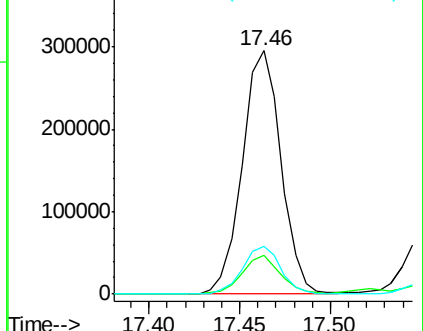
176 19.4 15.1 22.7

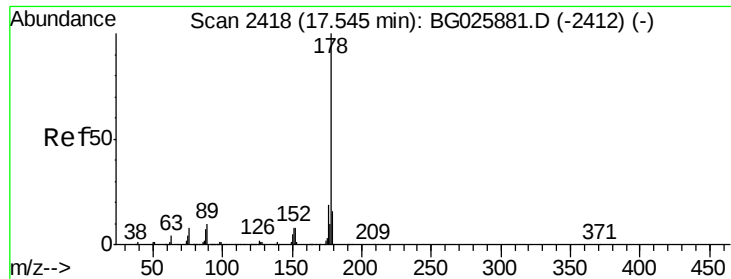


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

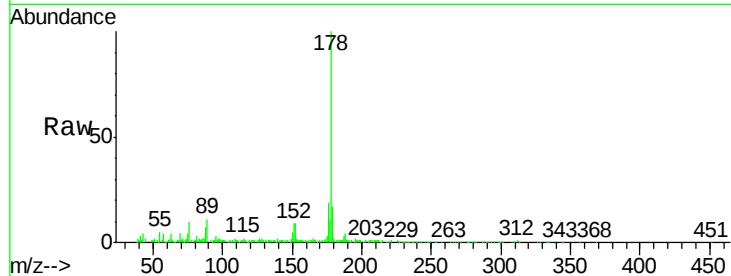




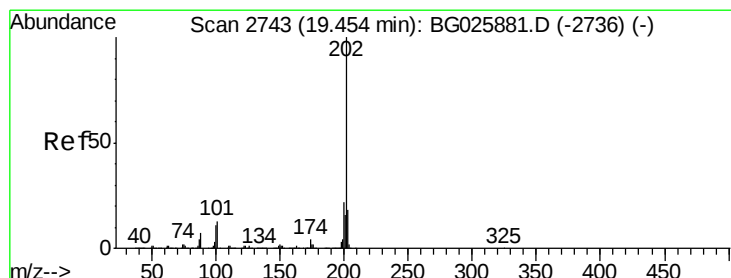
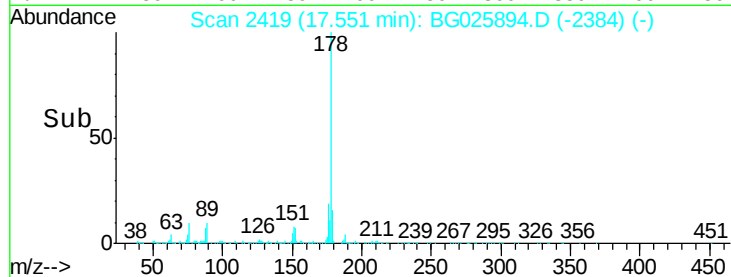
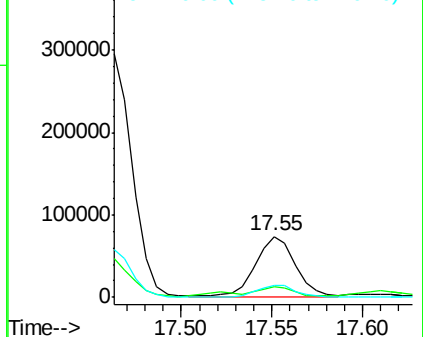
#15
 Anthracene
 Concen: 2.24 ng/ul
 RT: 17.55 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: BG025894.D
 Acq: 21 Feb 2017 4:37

Instrument :
 BNA_G
 ClientSampleId :
 DABC5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	11.8	17.8
176	19.2	15.2	22.8

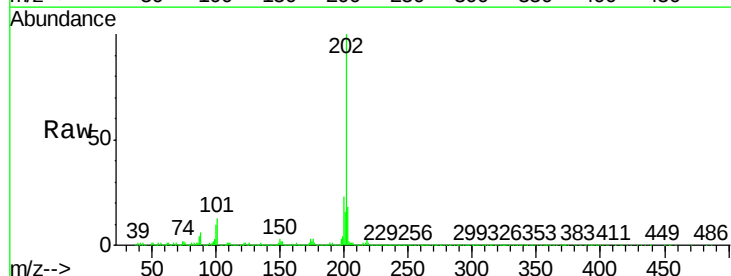


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

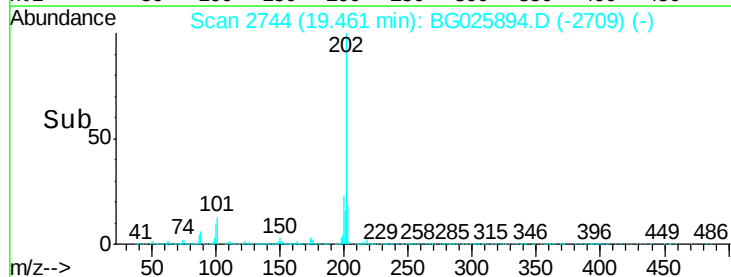
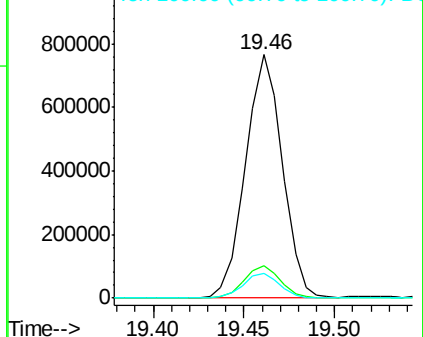


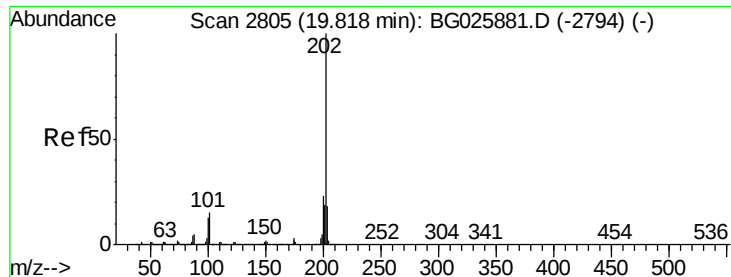
#16
 Fluoranthene
 Concen: 20.26 ng/ul
 RT: 19.46 min Scan# 2744
 Delta R.T. 0.01 min
 Lab File: BG025894.D
 Acq: 21 Feb 2017 4:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.9	14.9
100	10.2	7.4	11.0



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





#19

Pyrene

Concen: 16.71 ng/ul

RT: 19.82 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Instrument :

BNA_G

ClientSampleId :

DABC5

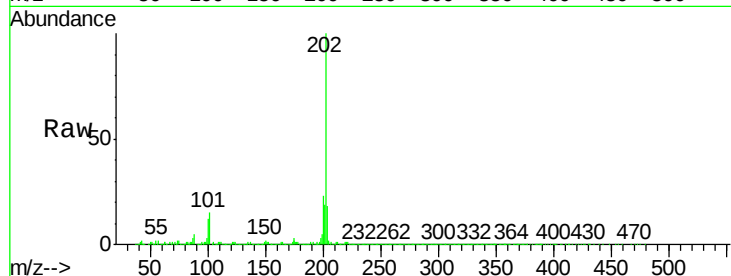
Tgt Ion:202 Resp: 910241

Ion Ratio Lower Upper

202 100

101 14.6 11.0 16.4

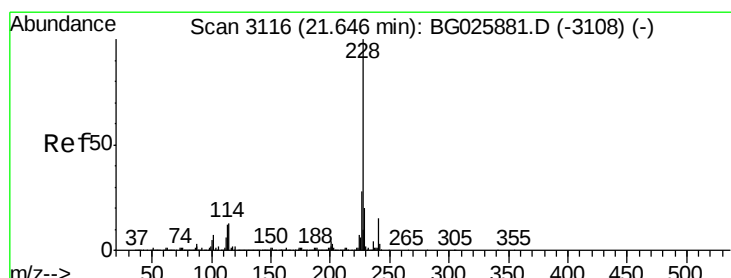
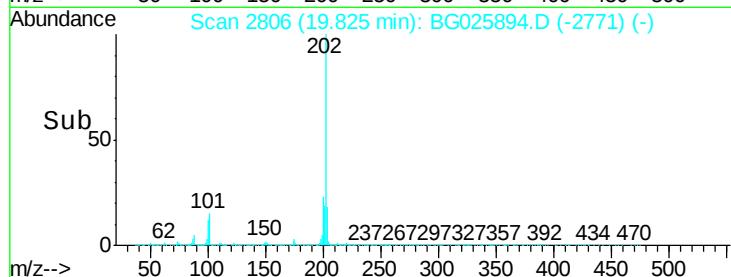
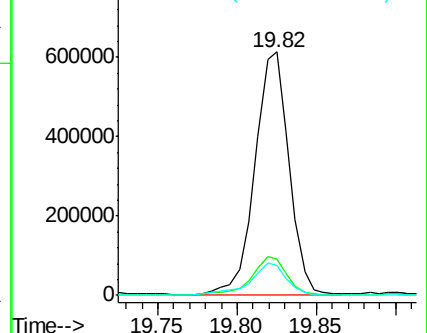
100 12.0 8.1 12.1



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



#20

Benzo(a)anthracene

Concen: 12.48 ng/ul

RT: 21.65 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

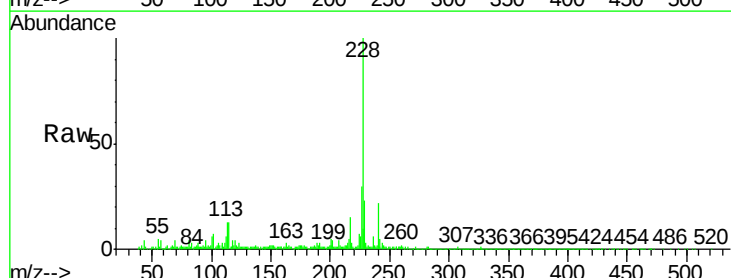
Tgt Ion:228 Resp: 632051

Ion Ratio Lower Upper

228 100

229 22.9 15.7 23.5

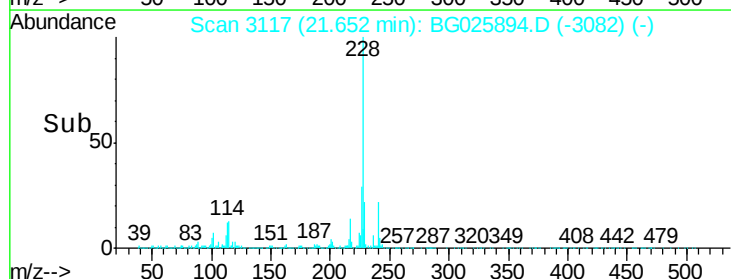
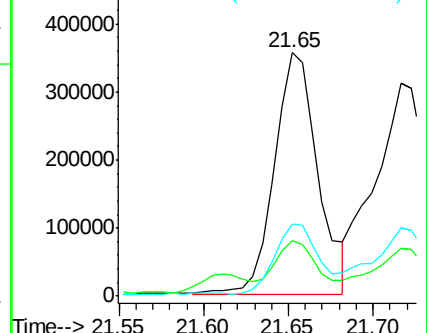
226 29.6 21.1 31.7

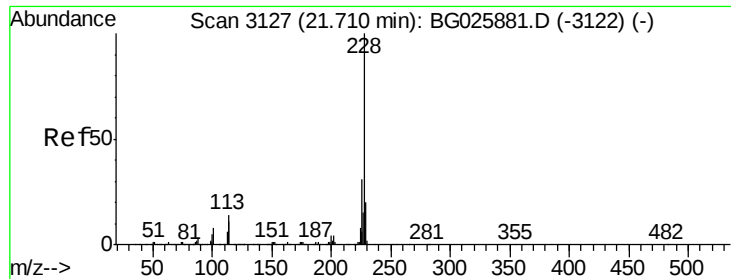


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 13.37 ng/ul

RT: 21.72 min Scan# 3128

Delta R.T. 0.01 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Instrument :

BNA_G

ClientSampleId :

DABC5

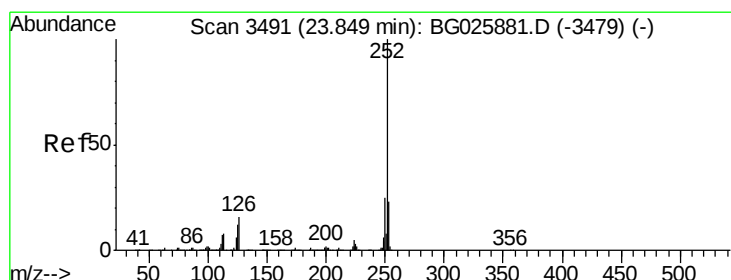
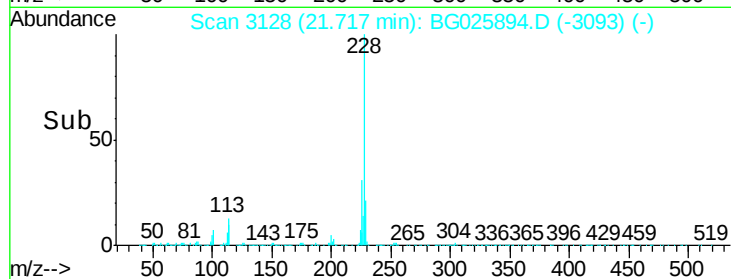
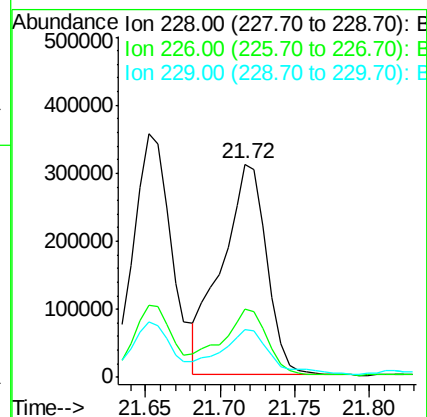
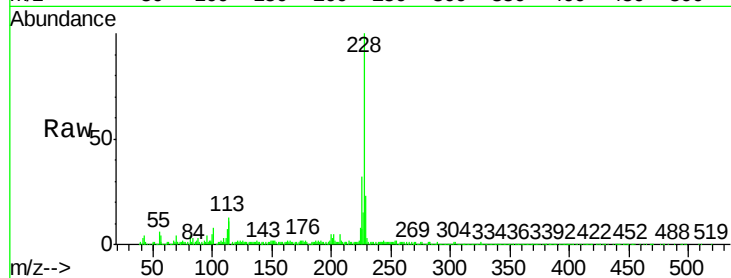
Tgt Ion:228 Resp: 646850

Ion Ratio Lower Upper

228 100

226 31.8 24.5 36.7

229 22.6 15.8 23.8



#23

Benzo(b)fluoranthene

Concen: 26.01 ng/ul

RT: 23.87 min Scan# 3495

Delta R.T. 0.02 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

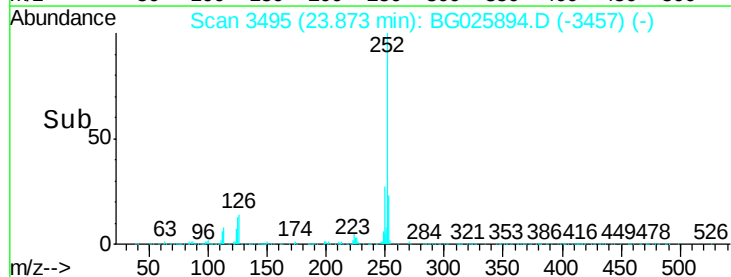
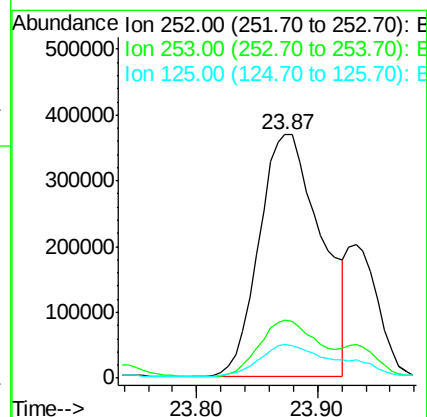
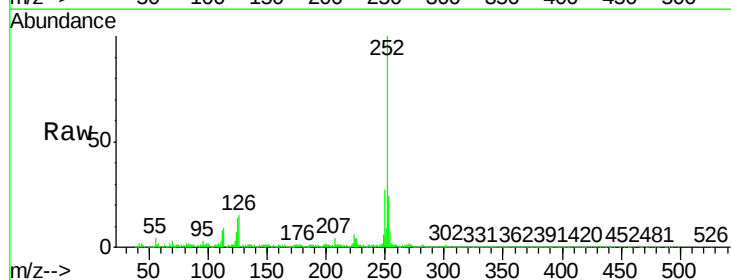
Tgt Ion:252 Resp: 1313173

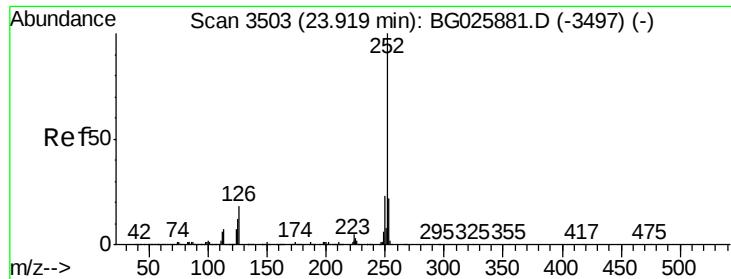
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 13.6 8.0 12.0#





#24

Benzo(k)fluoranthene

Concen: 26.93 ng/ul

RT: 23.87 min Scan# 3495

Delta R.T. -0.05 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Instrument :

BNA_G

ClientSampleId :

DABC5

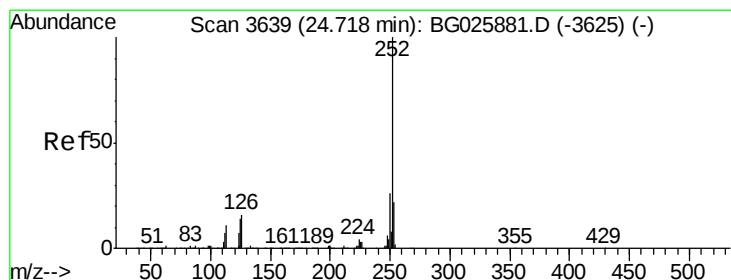
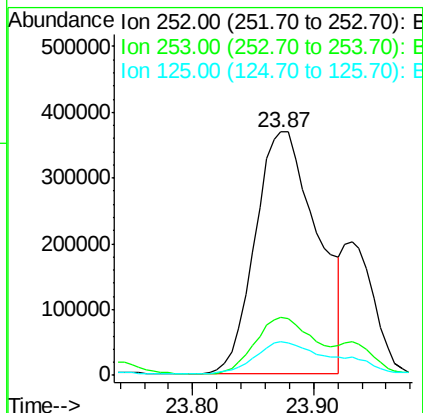
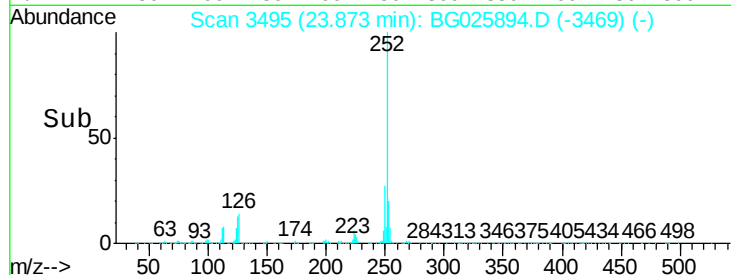
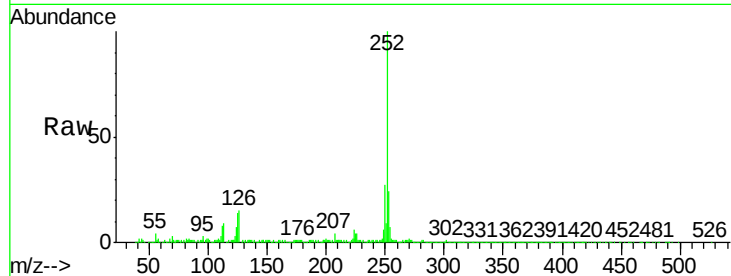
Tgt Ion:252 Resp: 1313173

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 13.6 8.1 12.1#



#26

Benzo(a)pyrene

Concen: 15.07 ng/ul

RT: 24.74 min Scan# 3642

Delta R.T. 0.02 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

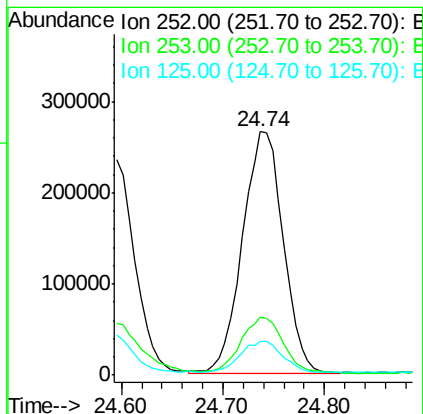
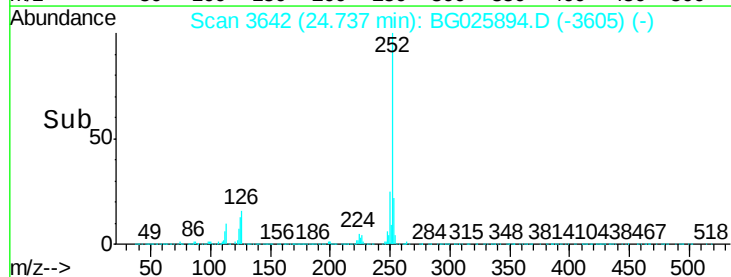
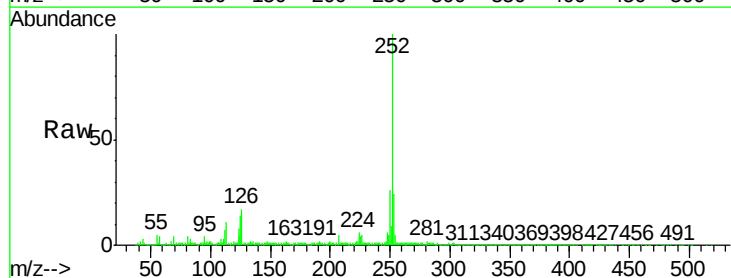
Tgt Ion:252 Resp: 736046

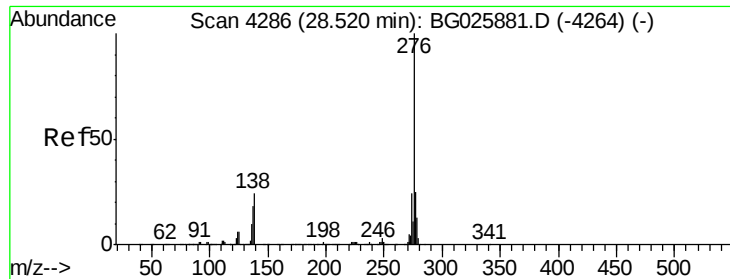
Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 13.6 8.2 12.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 9.78 ng/ul

RT: 28.55 min Scan# 4291

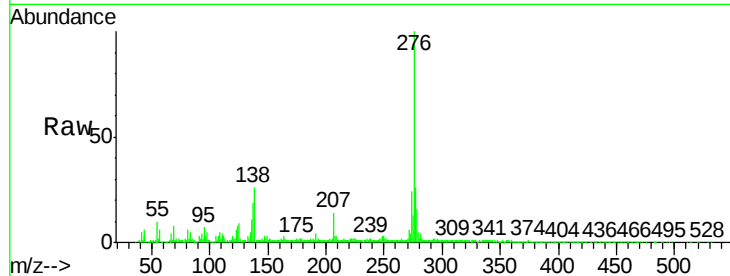
Delta R.T. 0.03 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Instrument :
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DABC5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	14.4	21.6#
277	26.3	18.0	27.0

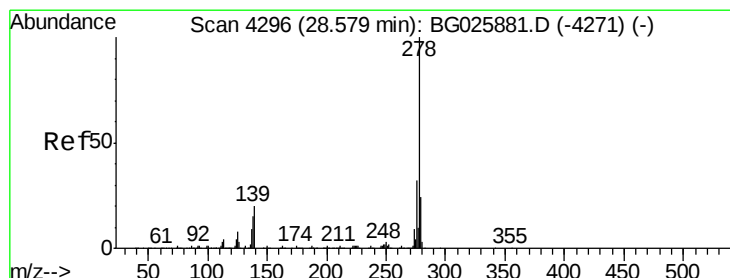
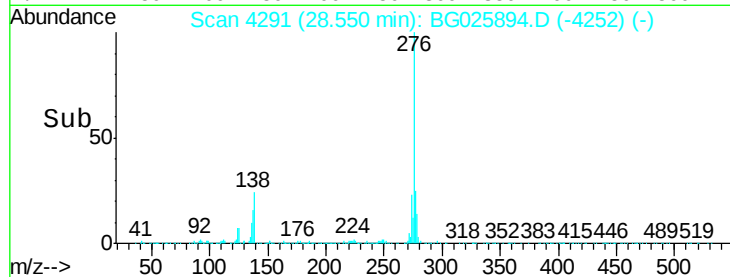
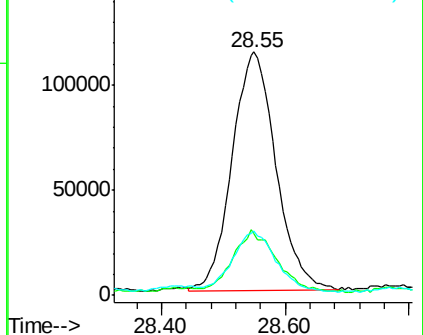


Abundance

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



#28

Dibenzo(a,h)anthracene

Concen: 3.48 ng/ul

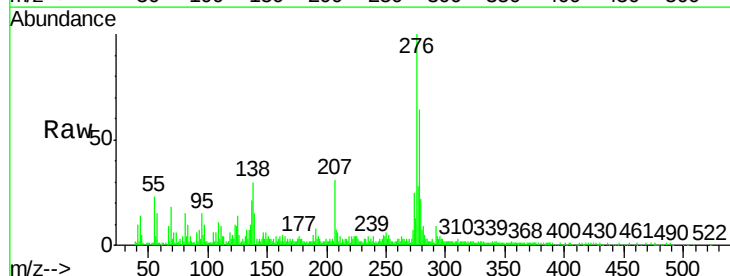
RT: 28.59 min Scan# 4298

Delta R.T. 0.01 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.9	12.2	18.4#
279	34.8	19.2	28.8#

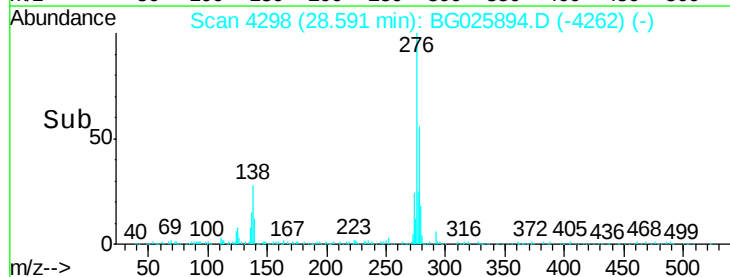
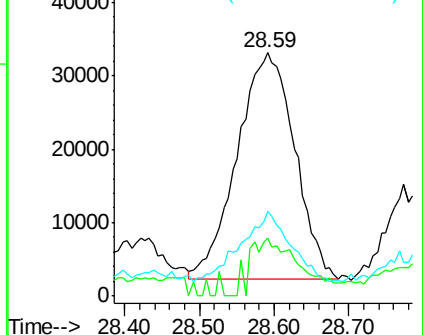


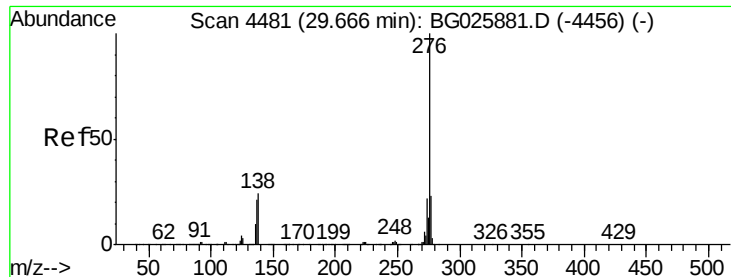
Abundance

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





#29

Benzo(g,h,i)perylene

Concen: 9.73 ng/ul

RT: 29.69 min Scan# 4485

Delta R.T. 0.02 min

Lab File: BG025894.D

Acq: 21 Feb 2017 4:37

Instrument :

BNA_G

ClientSampleId :

DABC5

Tgt Ion: 276 Resp: 459568

Ion Ratio Lower Upper

276 100

138 23.9 15.3 22.9#

277 23.0 19.0 28.4

