

Data File : BG025923.D
Acq On : 22 Feb 2017 3:12
Operator : SJ/MA
Sample : I1900-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DABC8

Quant Time: Feb 22 04:51:56 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 22 04:47:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	144275	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	691726	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.69	164	405021	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	834060	20.00	ng/ul	0.00
17) Chrysene-d12	21.68	240	829330	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	802897	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	859357	25.62	ng/ul	0.00
10) Fluorene-d10	15.68	176	605247	23.50	ng/ul	0.00
14) Anthracene-d10	17.52	188	838059	22.23	ng/ul	0.00
18) Pyrene-d10	19.80	212	861296	21.55	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	807109	22.71	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.94	128	39292	1.15	ng/ul	98
4) 2-Methylnaphthalene	12.53	142	37513	1.40	ng/ul	96
5) 1-Methylnaphthalene	12.75	142	30475	1.16	ng/ul#	91
13) Phenanthrene	17.46	178	211240	4.75	ng/ul	98
16) Fluoranthene	19.46	202	538294	11.01	ng/ul	99
19) Pyrene	19.82	202	469267	9.35	ng/ul#	94
20) Benzo(a)anthracene	21.65	228	309038	6.62	ng/ul	95
21) Chrysene	21.72	228	343925	7.72	ng/ul	97
23) Benzo(b)fluoranthene	23.87	252	577052	12.44	ng/ul#	95
24) Benzo(k)fluoranthene	23.87	252	577052	12.88	ng/ul#	95
26) Benzo(a)pyrene	24.74	252	330301	7.36	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	28.54	276	137972	2.62	ng/ul#	92
29) Benzo(g,h,i)perylene	29.69	276	212064	4.89	ng/ul#	91

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

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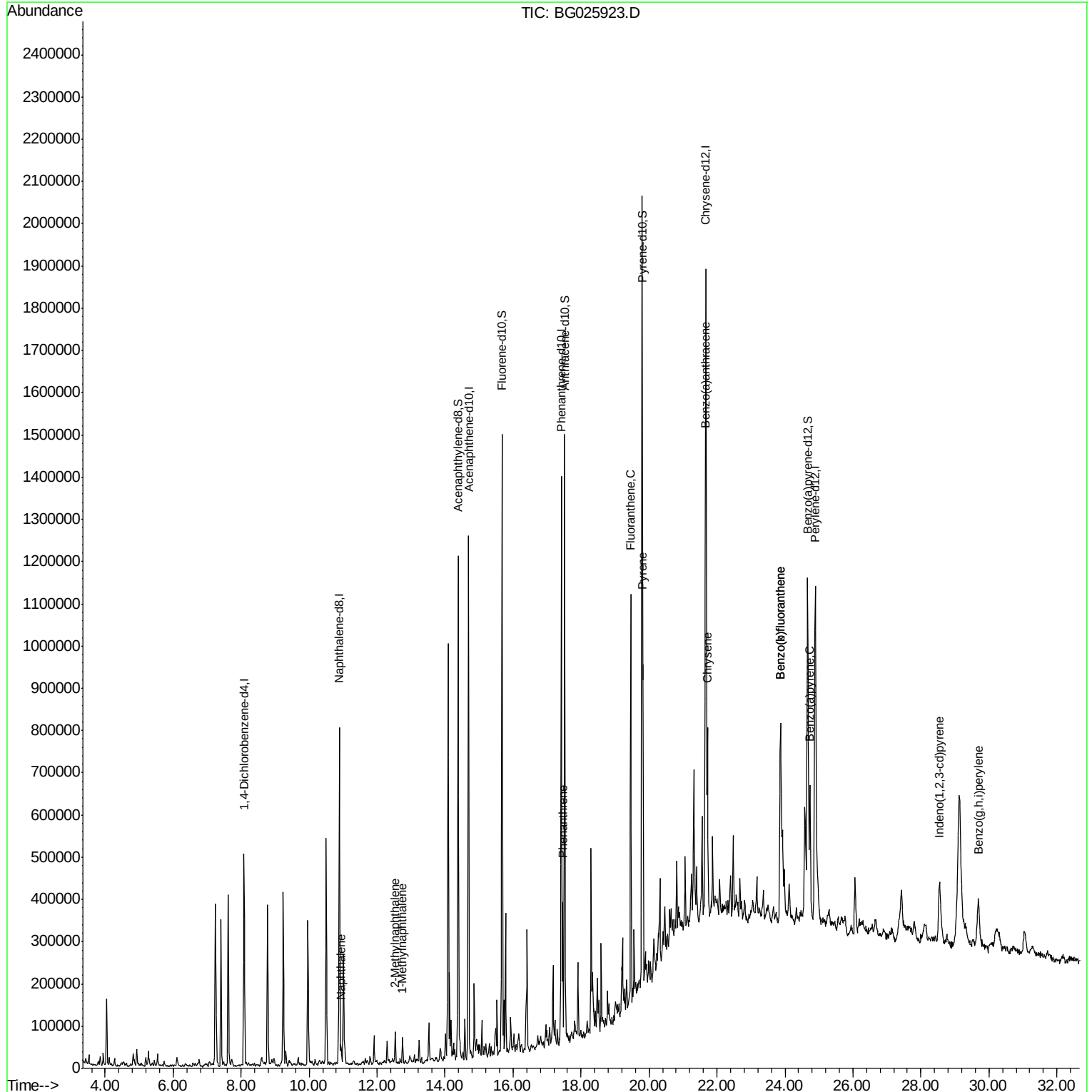
Quant Time: Feb 22 04:51:56 2017

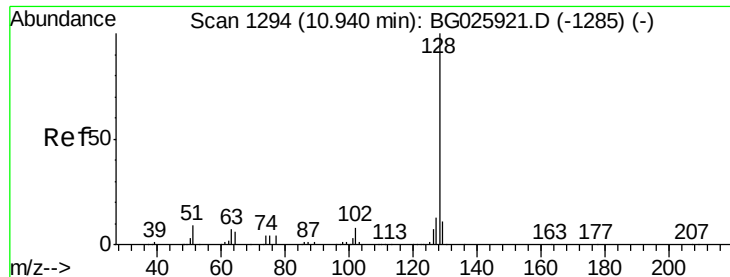
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Feb 22 04:47:03 2017

Response via : Initial Calibration





#3

Naphthalene

Concen: 1.15 ng/ul

RT: 10.94 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

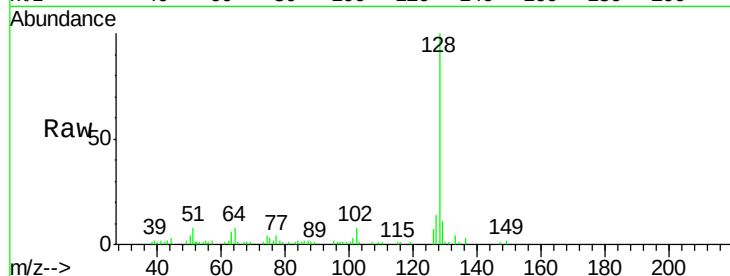
Tgt Ion:128 Resp: 39292

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

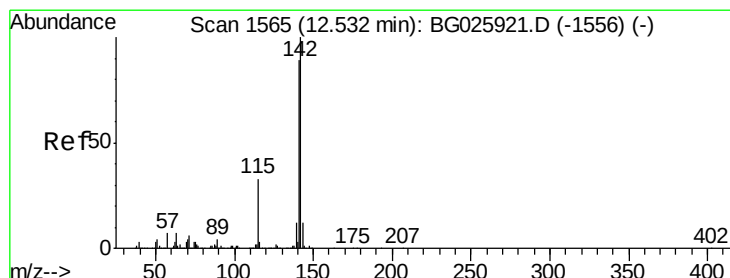
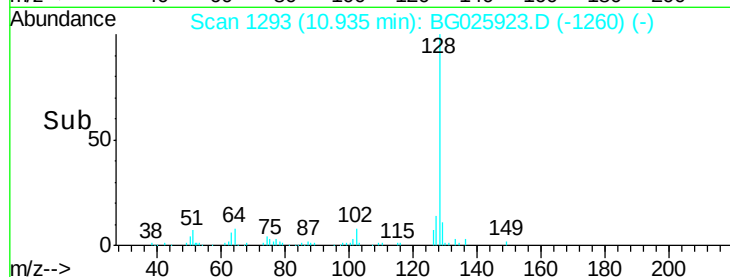
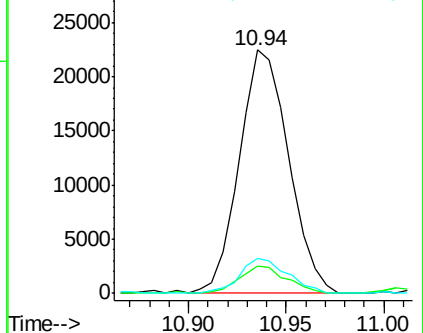
127 14.2 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 1.40 ng/ul

RT: 12.53 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BG025923.D

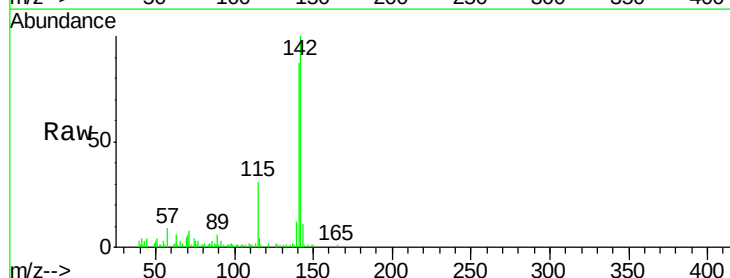
Acq: 22 Feb 2017 3:12

Tgt Ion:142 Resp: 37513

Ion Ratio Lower Upper

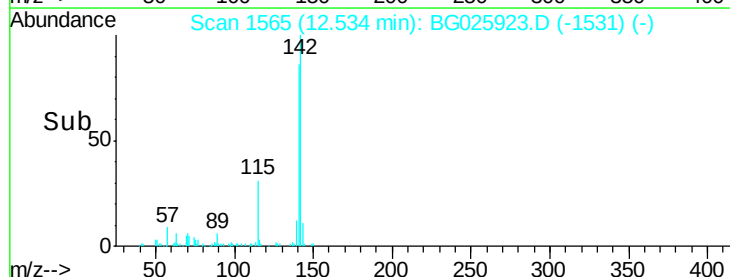
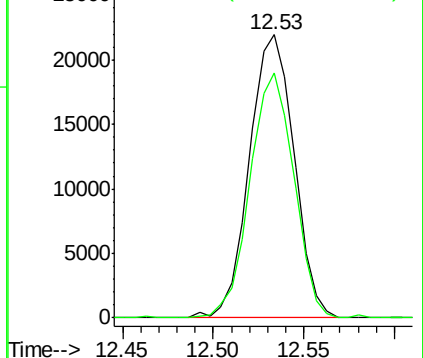
142 100

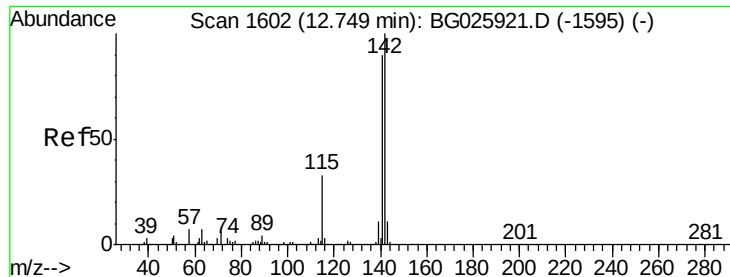
141 86.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.16 ng/ul

RT: 12.75 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

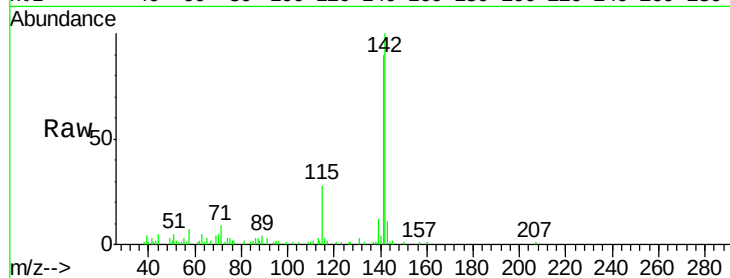
Tgt Ion:142 Resp: 30475

Ion Ratio Lower Upper

142 100

141 90.0 79.3 118.9

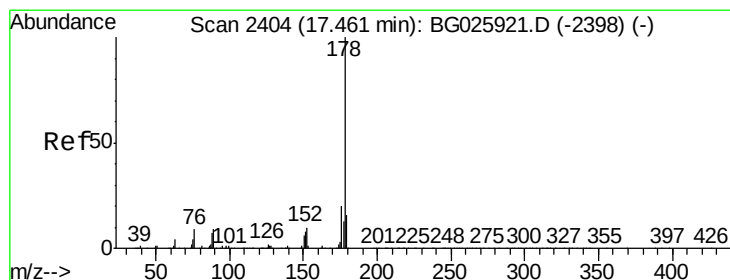
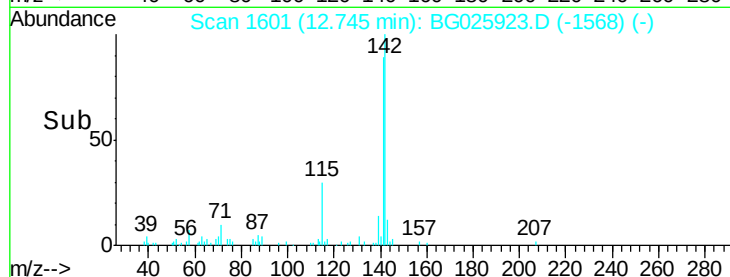
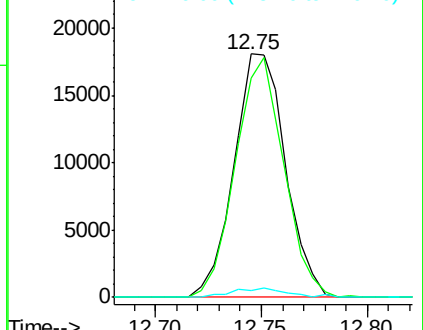
116 2.6 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 4.75 ng/ul

RT: 17.46 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

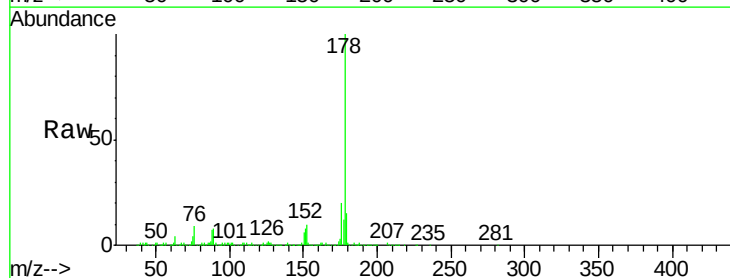
Tgt Ion:178 Resp: 211240

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

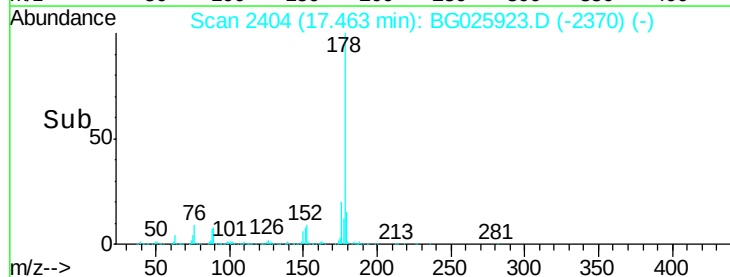
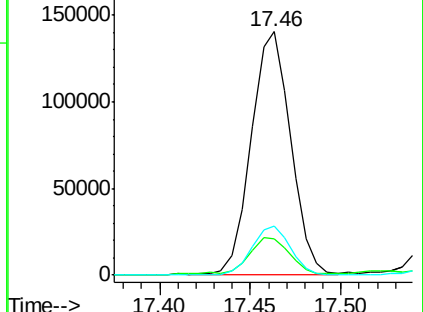
176 19.9 15.1 22.7

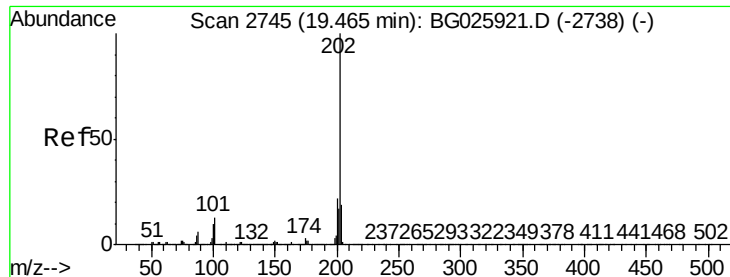


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 11.01 ng/ul

RT: 19.46 min Scan# 2744

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

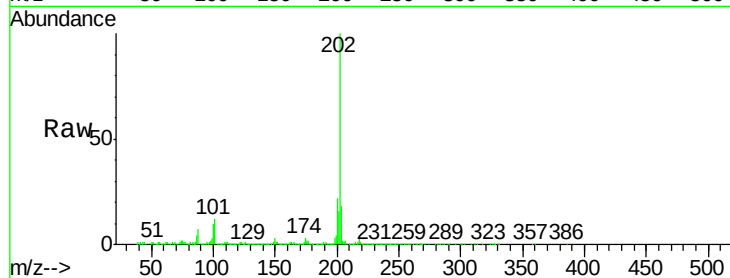
Tgt Ion:202 Resp: 538294

Ion Ratio Lower Upper

202 100

101 12.2 9.9 14.9

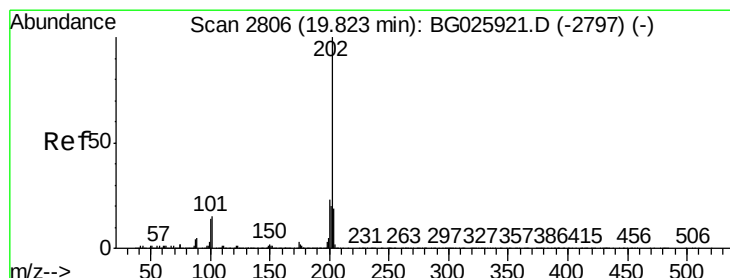
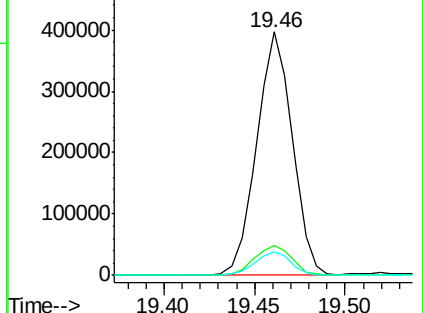
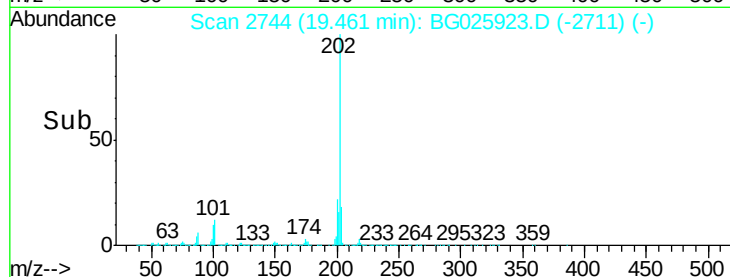
100 9.8 7.4 11.0



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: 9.35 ng/ul

RT: 19.82 min Scan# 2805

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

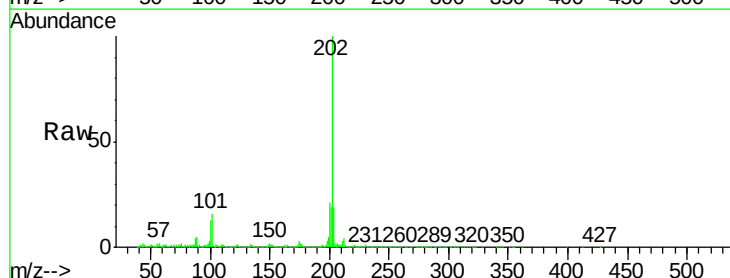
Tgt Ion:202 Resp: 469267

Ion Ratio Lower Upper

202 100

101 15.6 11.0 16.4

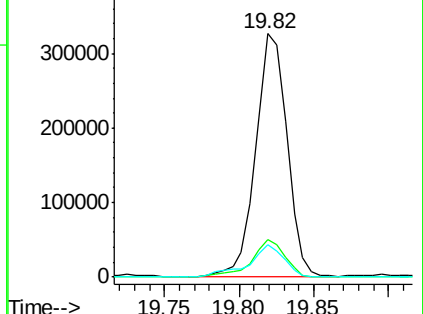
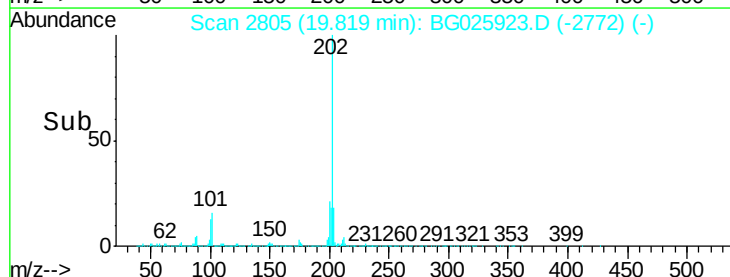
100 13.2 8.1 12.1#

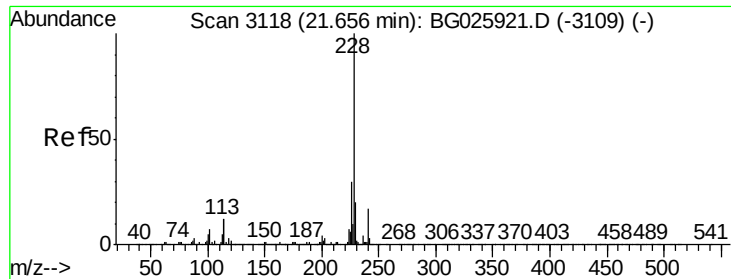


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 6.62 ng/ul

RT: 21.65 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

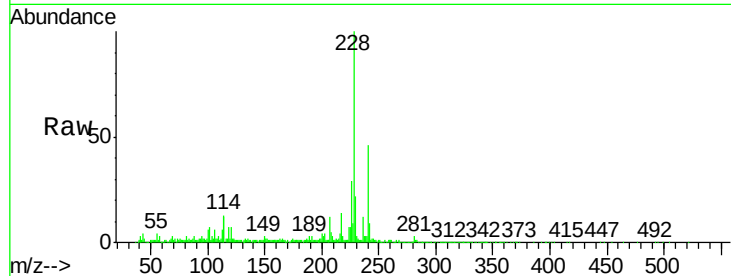
Tgt Ion:228 Resp: 309038

Ion Ratio Lower Upper

228 100

229 21.9 15.7 23.5

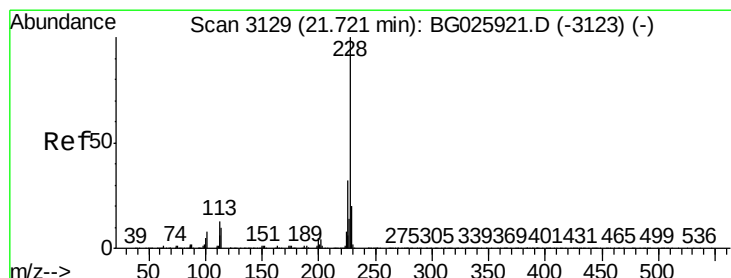
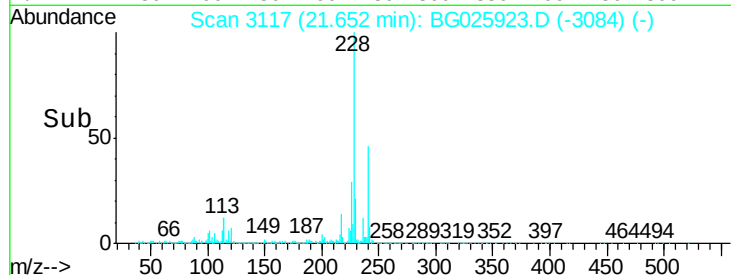
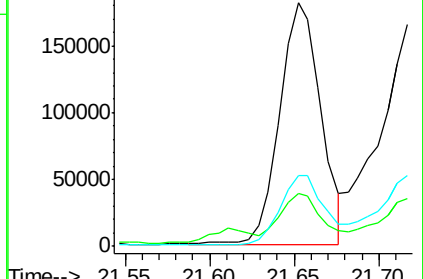
226 29.1 21.1 31.7



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: 7.72 ng/ul

RT: 21.72 min Scan# 3128

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

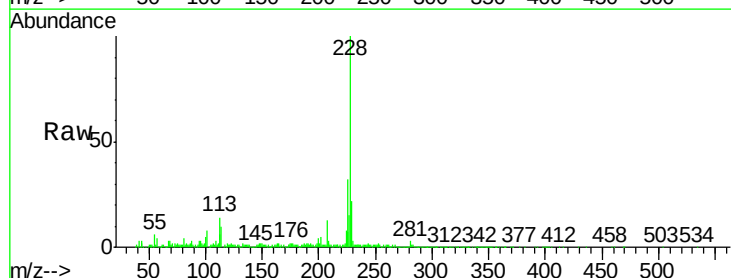
Tgt Ion:228 Resp: 343925

Ion Ratio Lower Upper

228 100

226 31.7 24.5 36.7

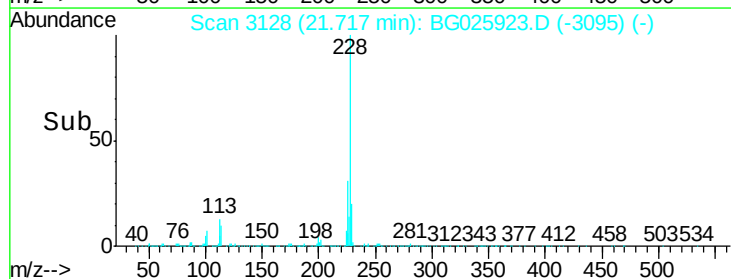
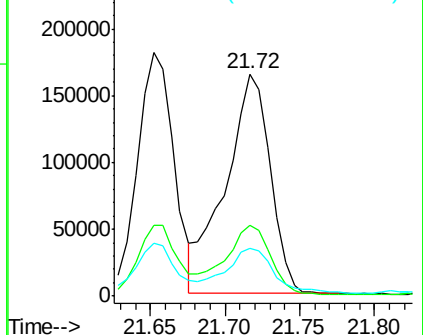
229 21.6 15.8 23.8

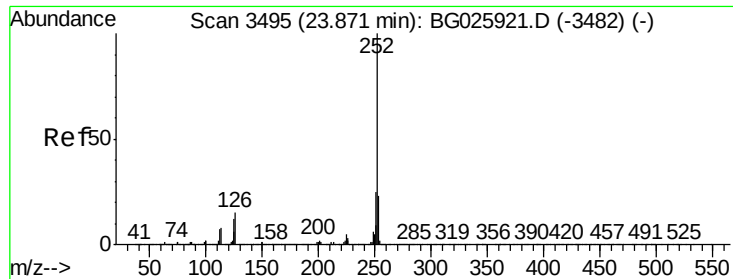


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 12.44 ng/ul

RT: 23.87 min Scan# 3494

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

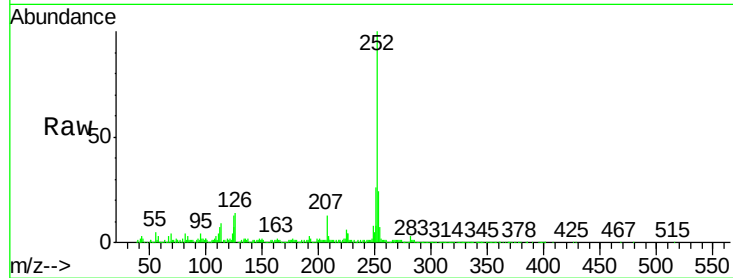
Tgt Ion:252 Resp: 577052

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

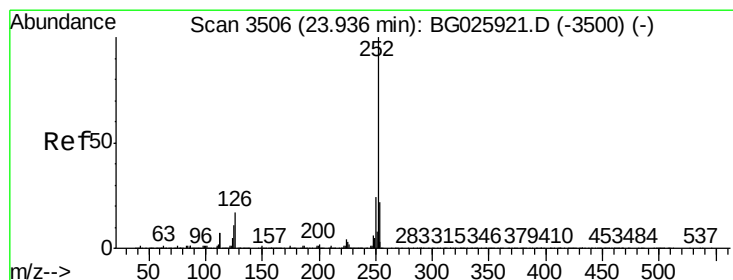
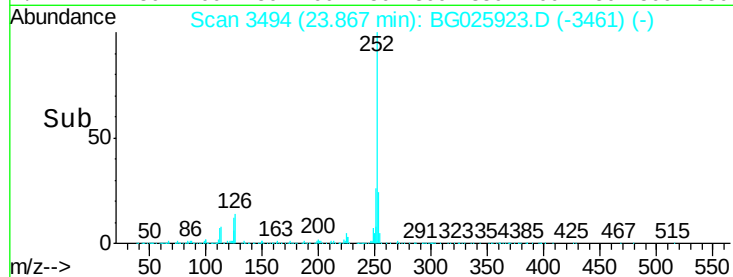
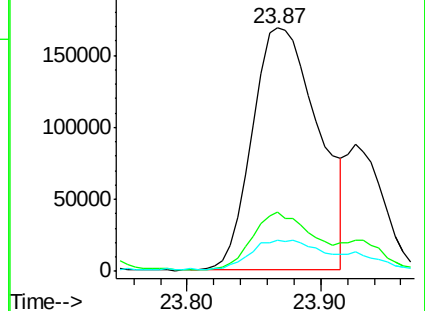
125 12.7 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 12.88 ng/ul

RT: 23.87 min Scan# 3494

Delta R.T. -0.07 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

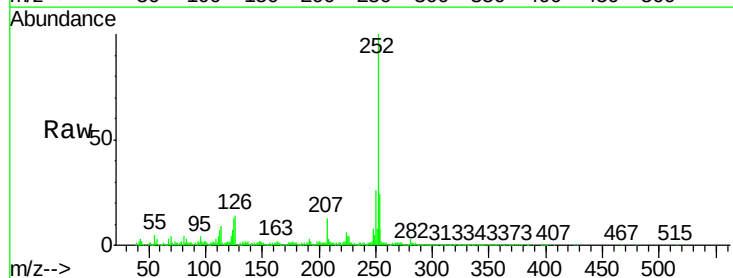
Tgt Ion:252 Resp: 577052

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

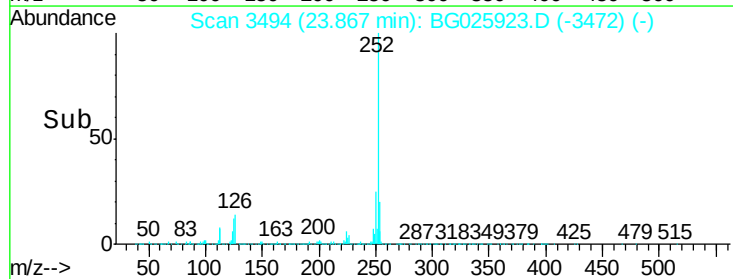
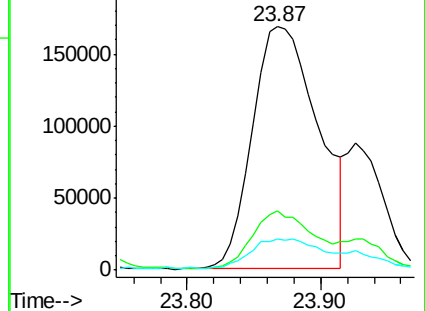
125 12.7 8.1 12.1#

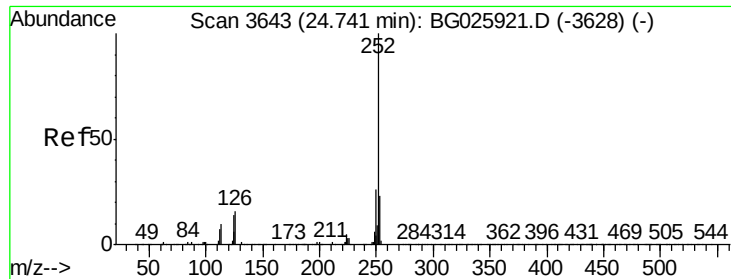


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 7.36 ng/ul

RT: 24.74 min Scan# 3642

Delta R.T. -0.00 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

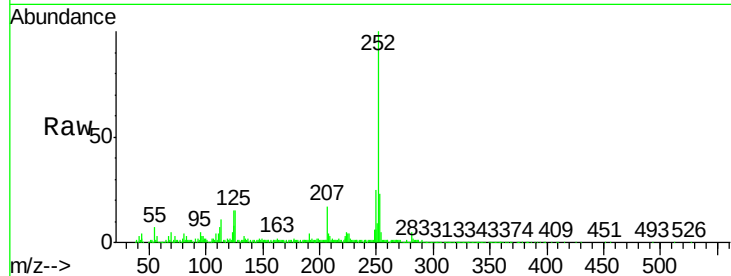
Tgt Ion:252 Resp: 330301

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

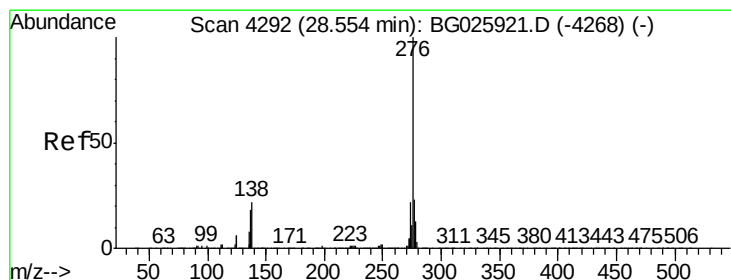
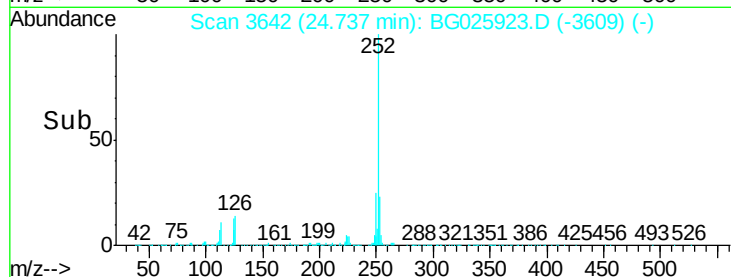
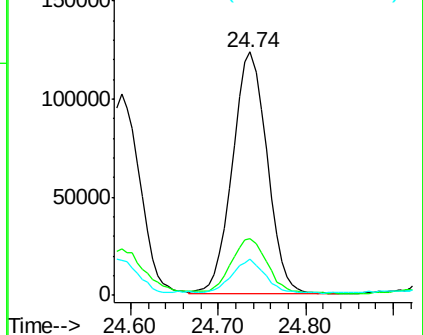
125 14.7 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.62 ng/ul

RT: 28.54 min Scan# 4290

Delta R.T. -0.01 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

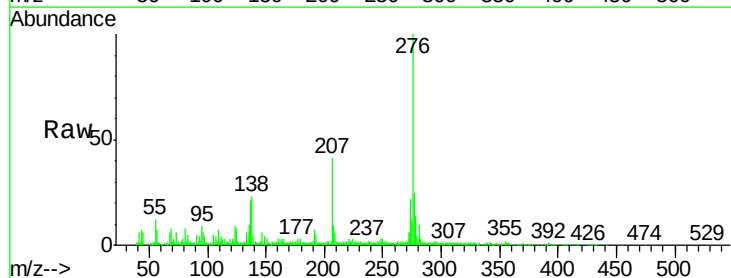
Tgt Ion:276 Resp: 137972

Ion Ratio Lower Upper

276 100

138 23.3 14.4 21.6#

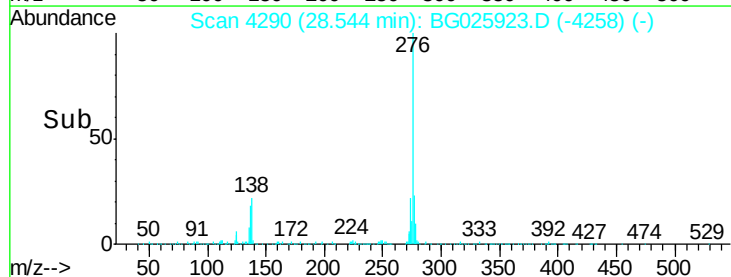
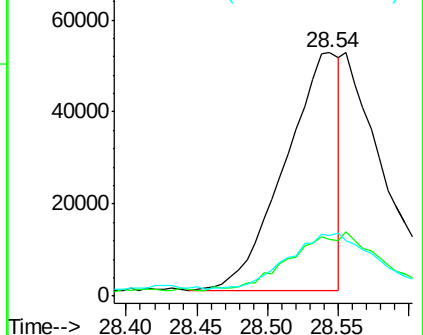
277 24.6 18.0 27.0

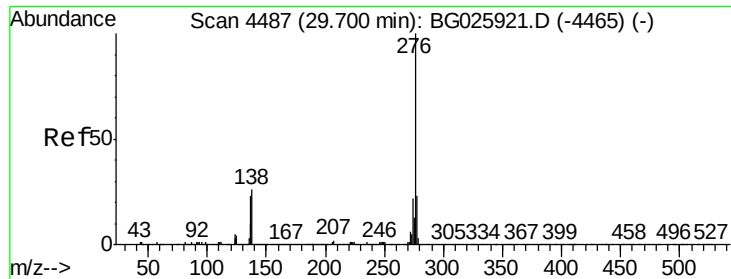


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(g,h,i)perylene

Concen: 4.89 ng/ul

RT: 29.69 min Scan# 4485

Delta R.T. -0.01 min

Lab File: BG025923.D

Acq: 22 Feb 2017 3:12

Instrument :

BNA_G

ClientSampleId :

DABC8

Tgt Ion: 276 Resp: 212064

Ion Ratio Lower Upper

276 100

138 25.0 15.3 22.9#

277 26.5 19.0 28.4

