

Data File : BG025928.D
Acq On : 22 Feb 2017 6:29
Operator : SJ/MA
Sample : I1900-06
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DABD2

Quant Time: Feb 22 07:08:05 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	148869	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	710048	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.69	164	409644	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	854500	20.00	ng/ul	0.00
17) Chrysene-d12	21.68	240	850263	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	830525	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	788488	23.24	ng/ul	0.00
10) Fluorene-d10	15.68	176	569745	21.87	ng/ul	0.00
14) Anthracene-d10	17.52	188	803387	20.80	ng/ul	0.00
18) Pyrene-d10	19.80	212	851446	20.78	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	791463	21.53	ng/ul	0.00

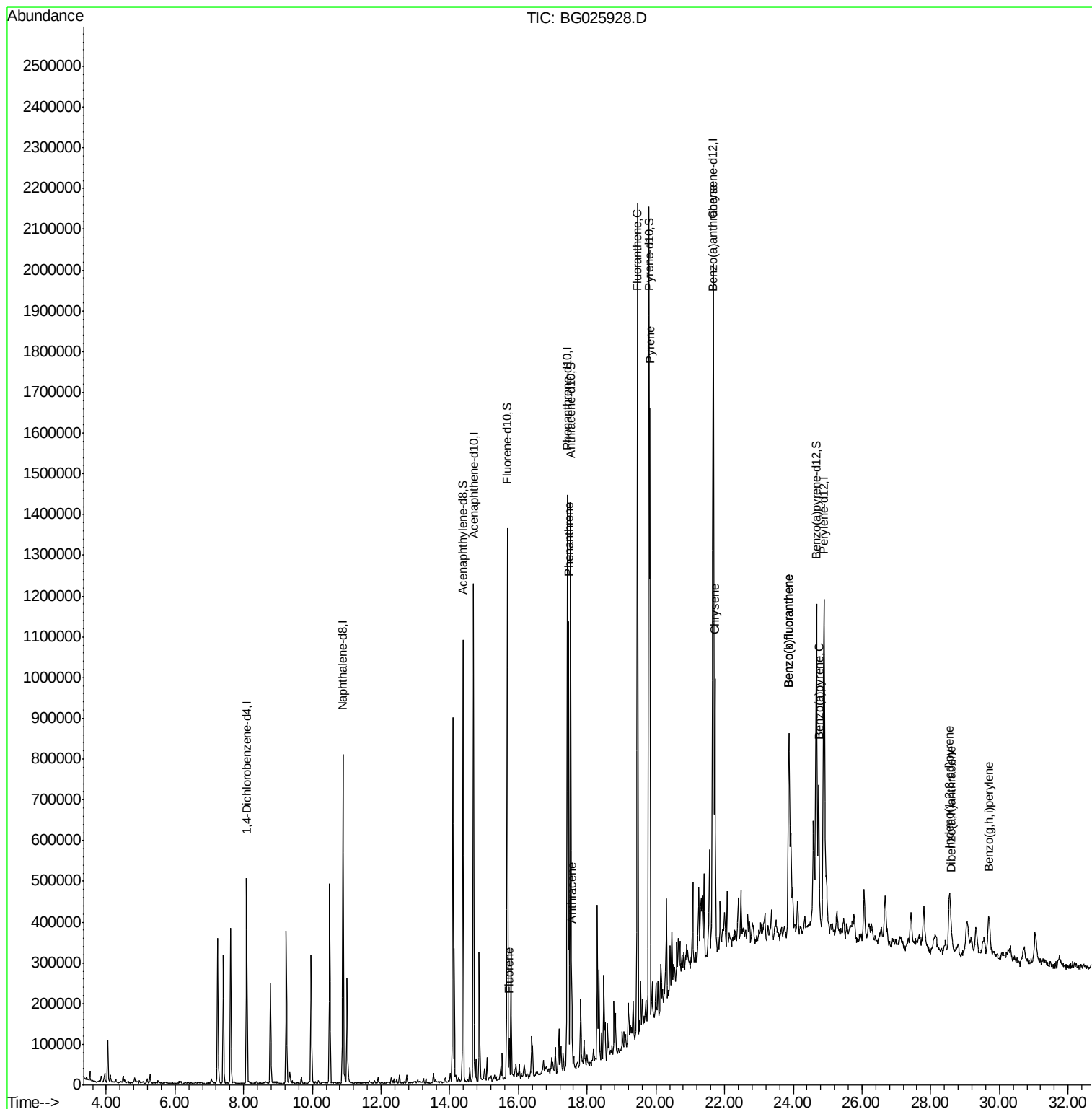
Target Compounds				Qvalue		
11) Fluorene	15.73	166	31763	1.09	ng/ul	96
13) Phenanthrene	17.46	178	695305	15.26	ng/ul	98
15) Anthracene	17.55	178	155112	3.35	ng/ul	98
16) Fluoranthene	19.47	202	1228454	24.52	ng/ul	100
19) Pyrene	19.82	202	908385	17.65	ng/ul#	96
20) Benzo(a)anthracene	21.66	228	496577	10.38	ng/ul	96
21) Chrysene	21.72	228	467194	10.22	ng/ul	96
23) Benzo(b)fluoranthene	23.87	252	594437	12.39	ng/ul	98
24) Benzo(k)fluoranthene	23.87	252	594437	12.82	ng/ul	98
26) Benzo(a)pyrene	24.74	252	365633	7.87	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	28.55	276	226381	4.16	ng/ul#	92
28) Dibenzo(a,h)anthracene	28.60	278	65082	1.44	ng/ul#	87
29) Benzo(g,h,i)perylene	29.70	276	205697	4.58	ng/ul#	94

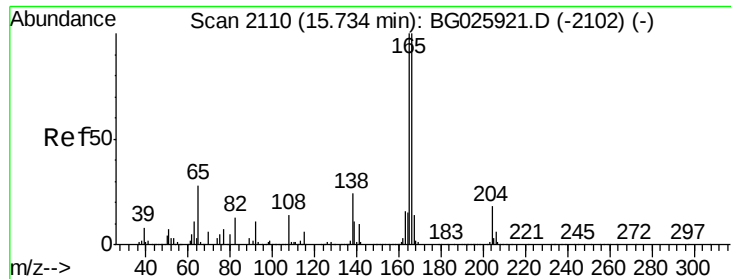
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

Fluorene

Concen: 1.09 ng/ul

RT: 15.73 min Scan# 2109

Delta R.T. -0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Instrument :

BNA_G

ClientSampled :

DABD2

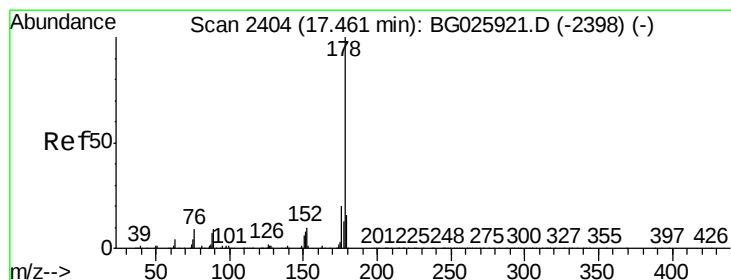
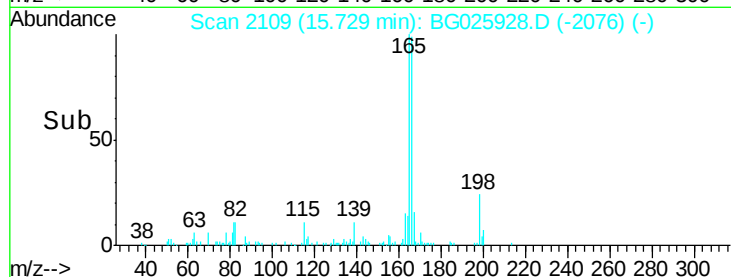
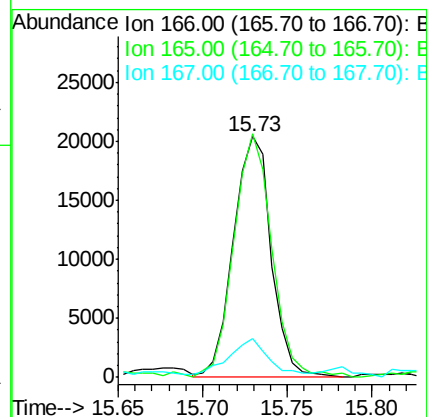
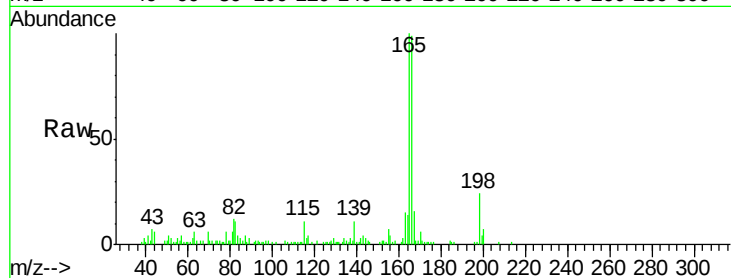
Tgt Ion:166 Resp: 31763

Ion Ratio Lower Upper

166 100

165 101.1 83.8 125.8

167 16.1 11.5 17.3



#13

Phenanthrene

Concen: 15.26 ng/ul

RT: 17.46 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

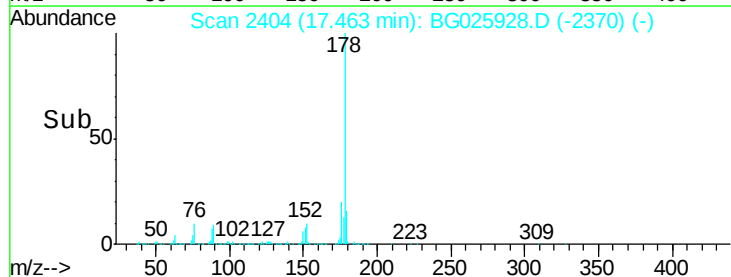
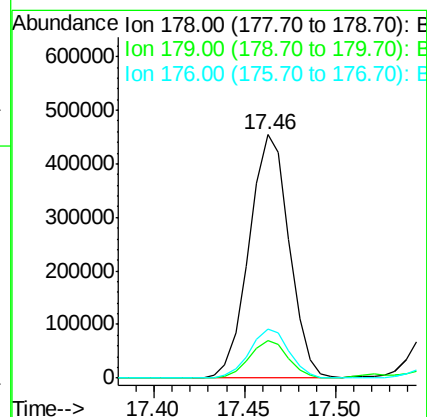
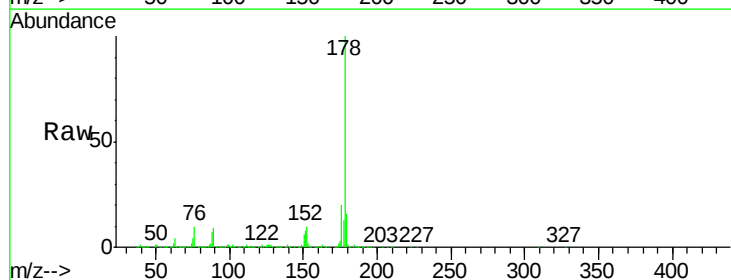
Tgt Ion:178 Resp: 695305

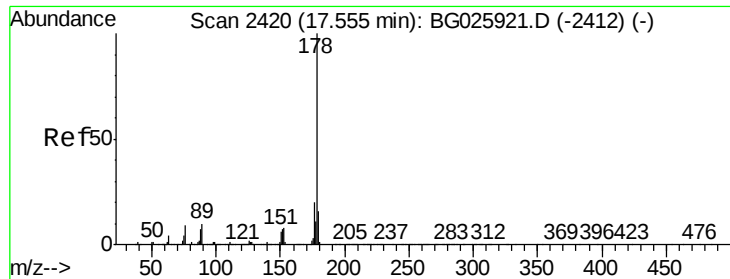
Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 20.2 15.1 22.7





#15

Anthracene

Concen: 3.35 ng/ul

RT: 17.55 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Instrument :

BNA_G

ClientSampleId :

DABD2

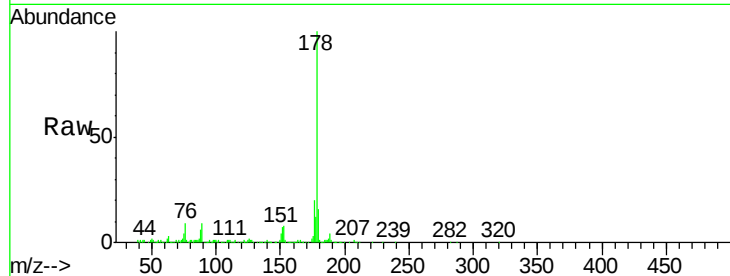
Tgt Ion:178 Resp: 155112

Ion Ratio Lower Upper

178 100

179 16.0 11.8 17.8

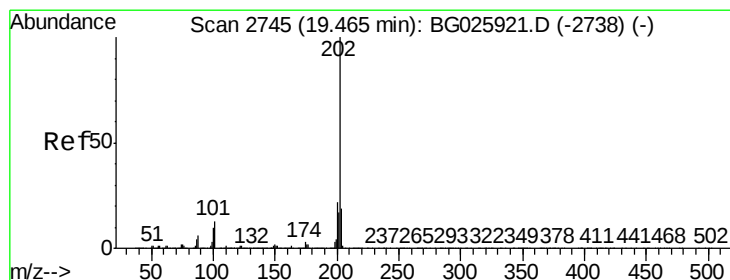
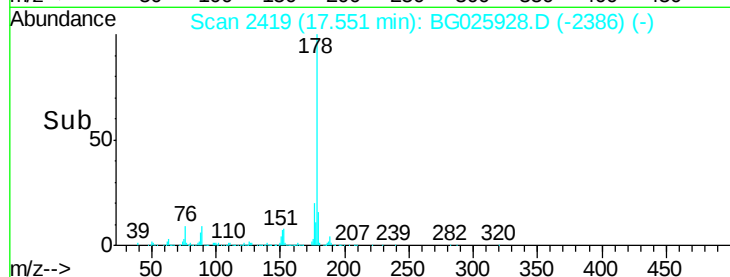
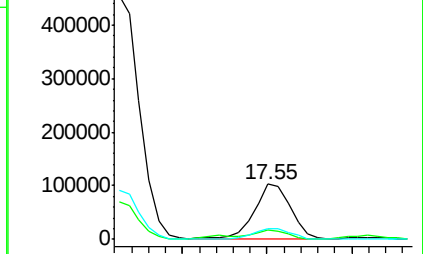
176 19.7 15.2 22.8



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: 24.52 ng/ul

RT: 19.47 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

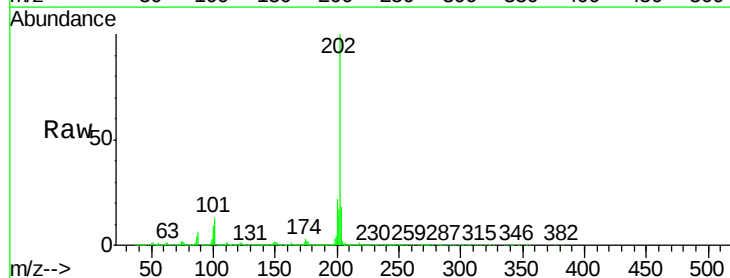
Tgt Ion:202 Resp: 1228454

Ion Ratio Lower Upper

202 100

101 12.7 9.9 14.9

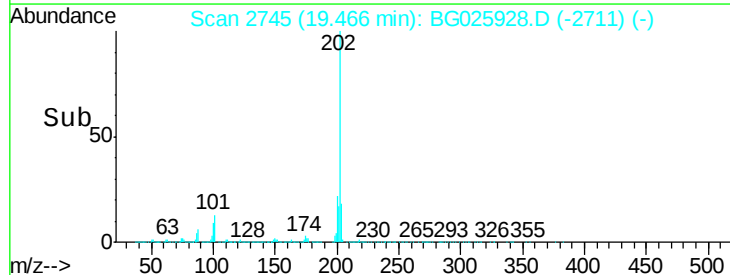
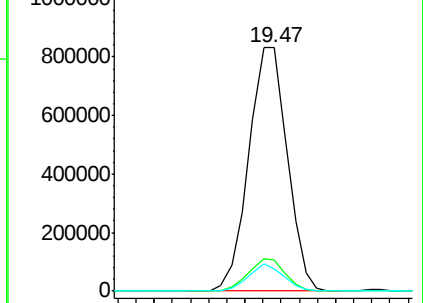
100 9.2 7.4 11.0

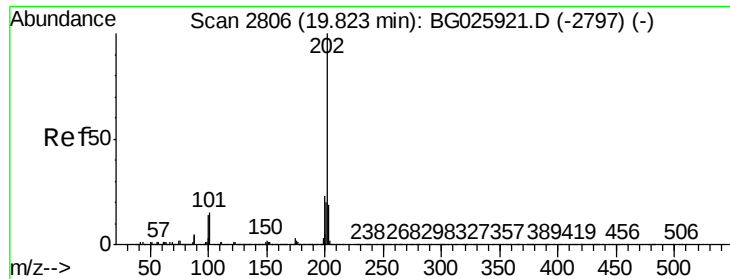


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pyrene

Concen: 17.65 ng/ul

RT: 19.82 min Scan# 2806

Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Instrument :

BNA_G

ClientSampleId :

DABD2

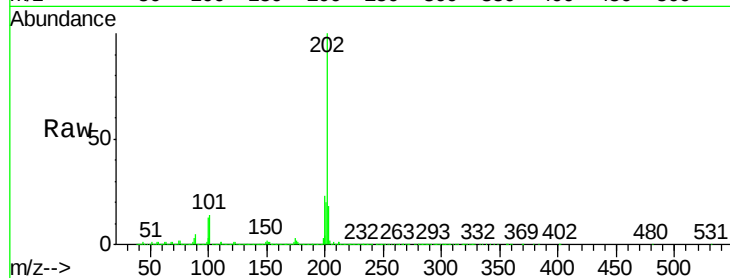
Tgt Ion:202 Resp: 908385

Ion Ratio Lower Upper

202 100

101 14.4 11.0 16.4

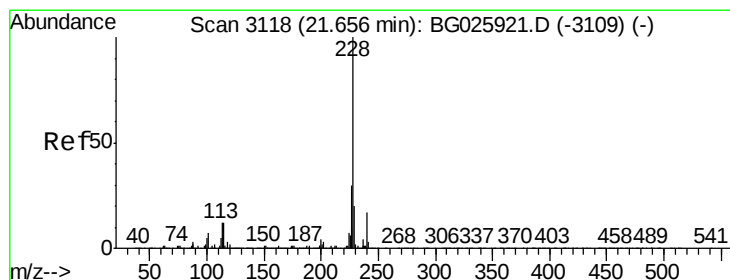
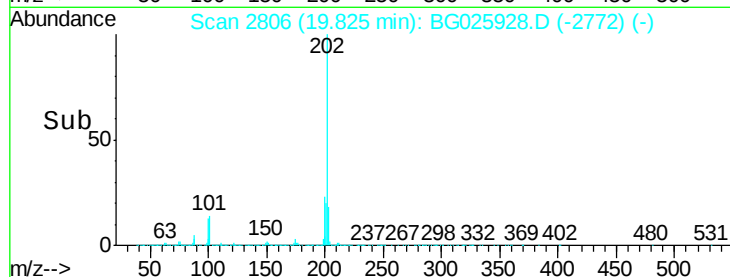
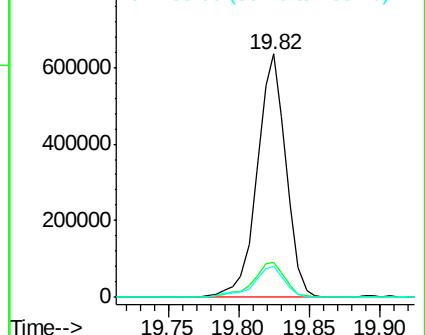
100 12.5 8.1 12.1#



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: 10.38 ng/ul

RT: 21.66 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

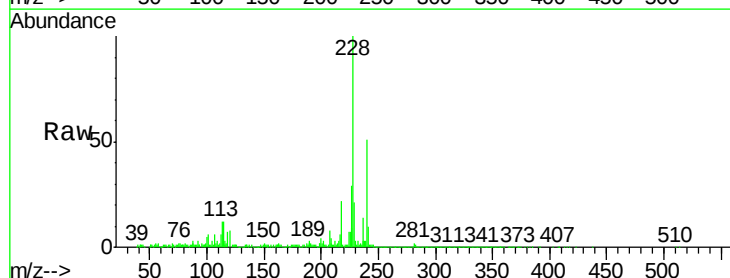
Tgt Ion:228 Resp: 496577

Ion Ratio Lower Upper

228 100

229 20.9 15.7 23.5

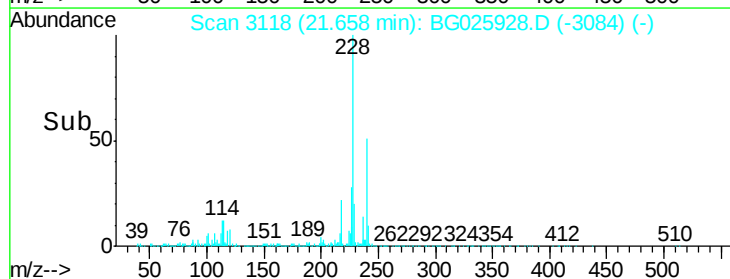
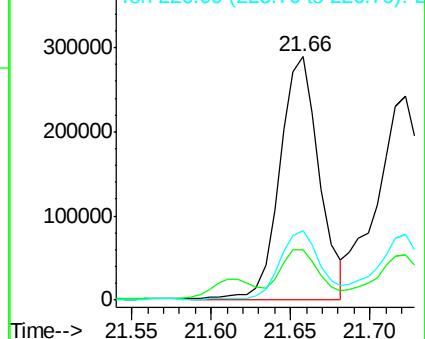
226 28.6 21.1 31.7

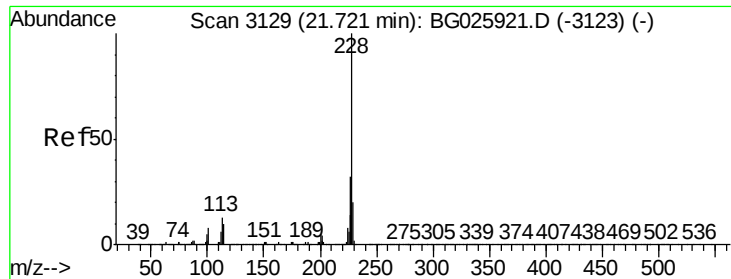


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 10.22 ng/ul

RT: 21.72 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Instrument :

BNA_G

ClientSampleId :

DABD2

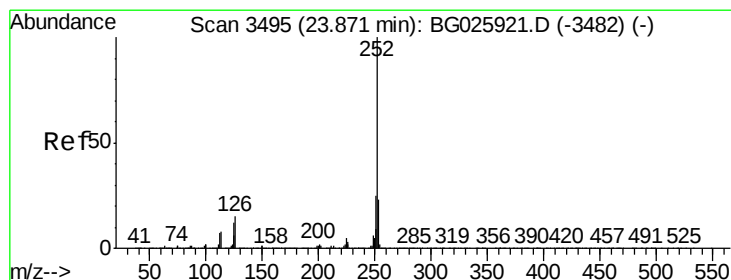
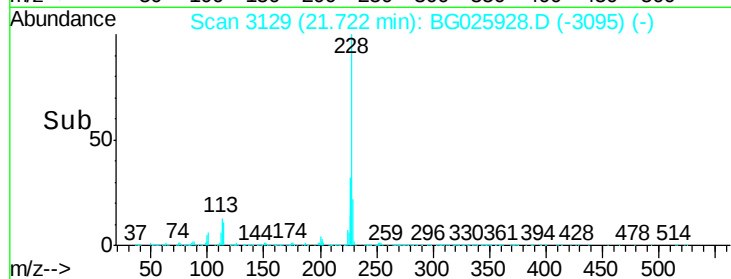
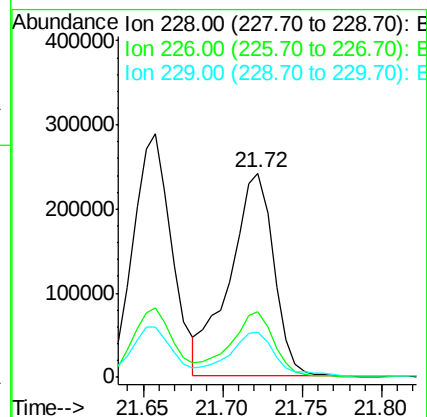
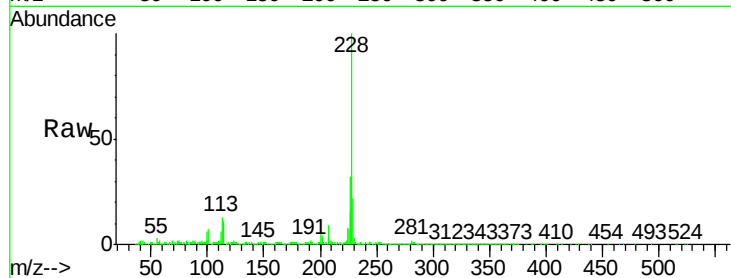
Tgt Ion:228 Resp: 467194

Ion Ratio Lower Upper

228 100

226 32.0 24.5 36.7

229 22.3 15.8 23.8



#23

Benzo(b)fluoranthene

Concen: 12.39 ng/ul

RT: 23.87 min Scan# 3495

Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

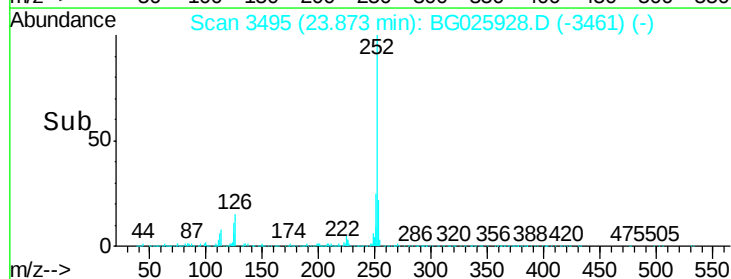
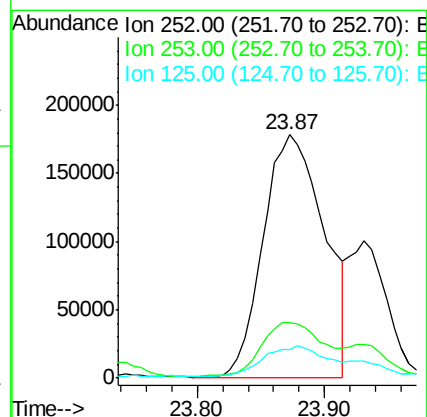
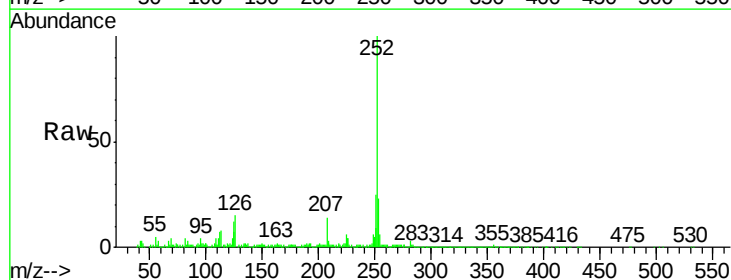
Tgt Ion:252 Resp: 594437

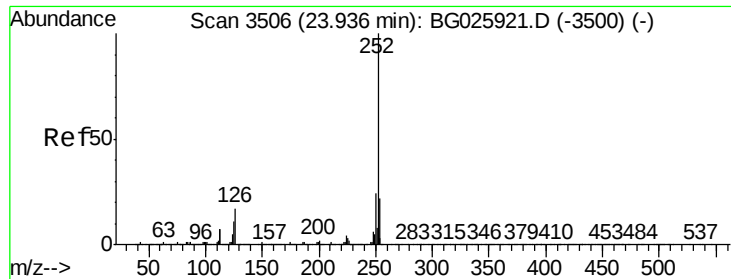
Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

125 11.7 8.0 12.0





#24

Benzo(k)fluoranthene

Concen: 12.82 ng/ul

RT: 23.87 min Scan# 3495

Delta R.T. -0.06 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

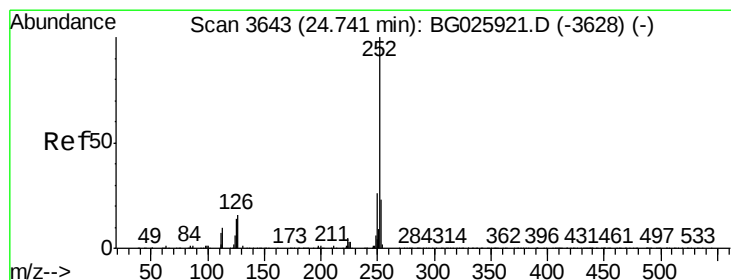
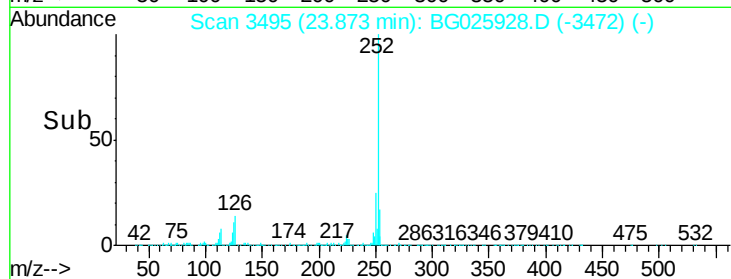
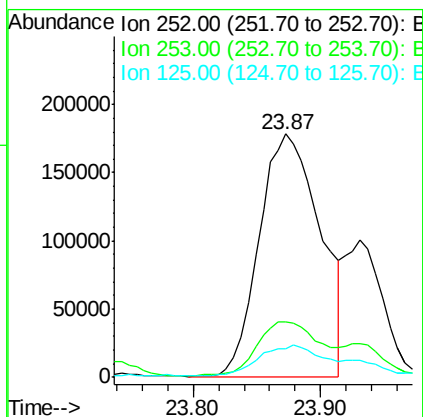
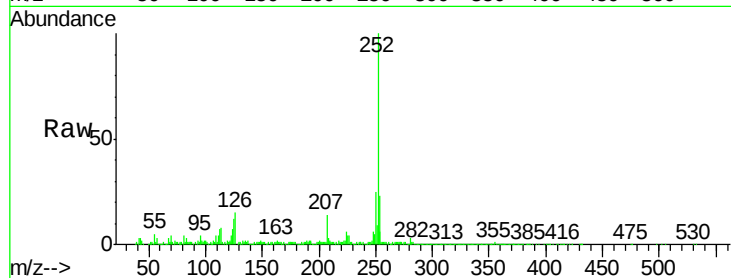
Instrument :

BNA_G

ClientSampleId :

DABD2

Tgt Ion:	252	Resp:	594437
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	11.7	8.1	12.1



#26

Benzo(a)pyrene

Concen: 7.87 ng/ul

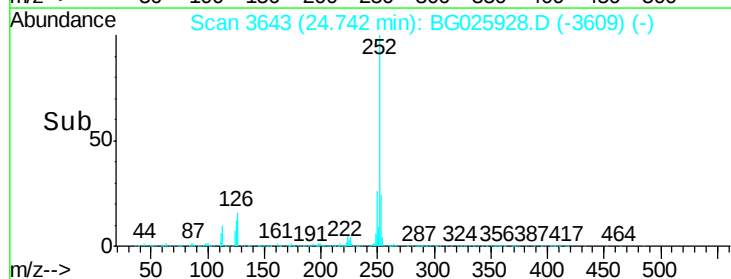
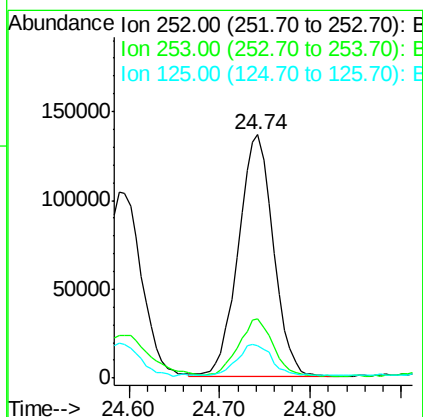
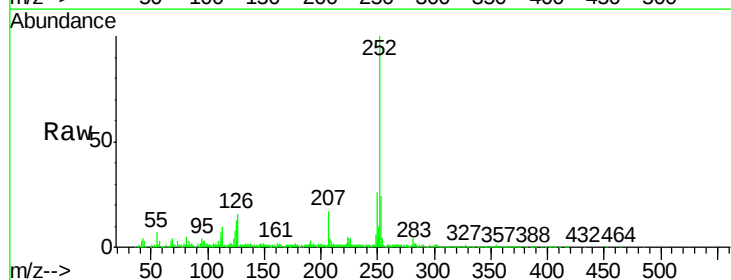
RT: 24.74 min Scan# 3643

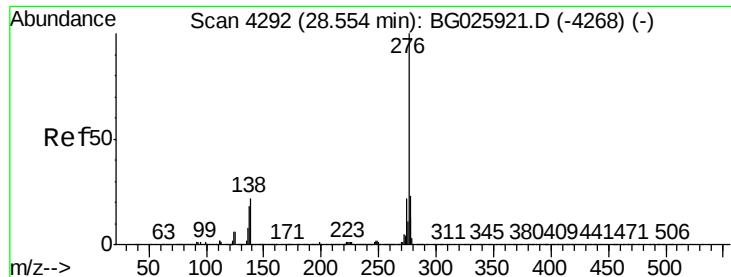
Delta R.T. 0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Tgt Ion:	252	Resp:	365633
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.2	25.8
125	13.2	8.2	12.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 4.16 ng/ul

RT: 28.55 min Scan# 4291

Delta R.T. -0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Instrument :

BNA_G

ClientSampleId :

DABD2

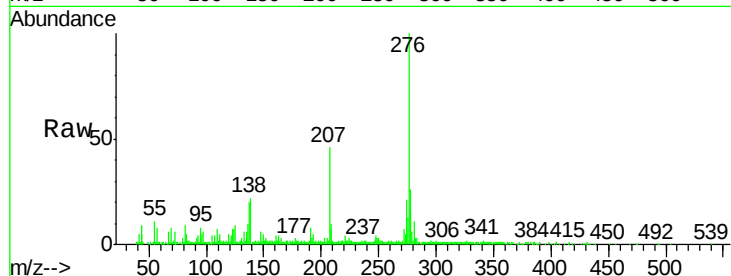
Tgt Ion: 276 Resp: 226381

Ion Ratio Lower Upper

276 100

138 21.9 14.4 21.6#

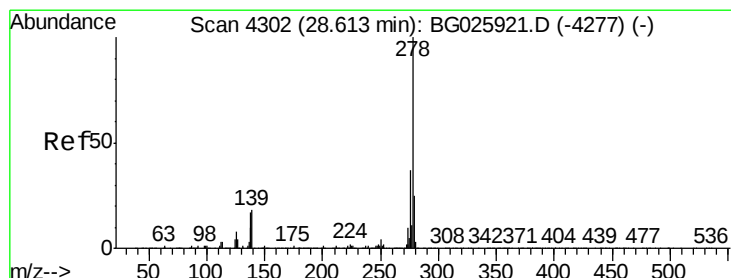
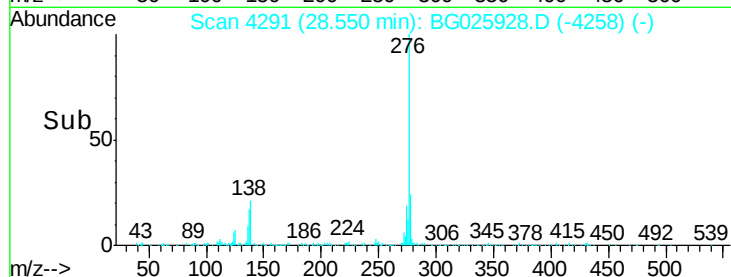
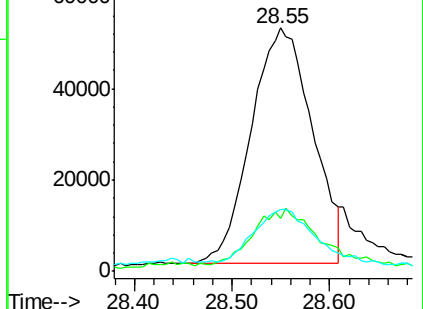
277 25.6 18.0 27.0



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



#28

Dibenzo(a,h)anthracene

Concen: 1.44 ng/ul

RT: 28.60 min Scan# 4299

Delta R.T. -0.02 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

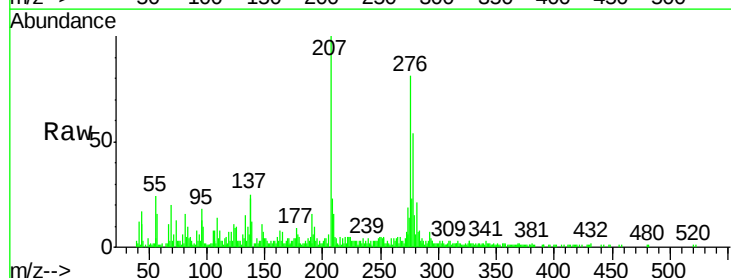
Tgt Ion: 278 Resp: 65082

Ion Ratio Lower Upper

278 100

139 22.5 12.2 18.4#

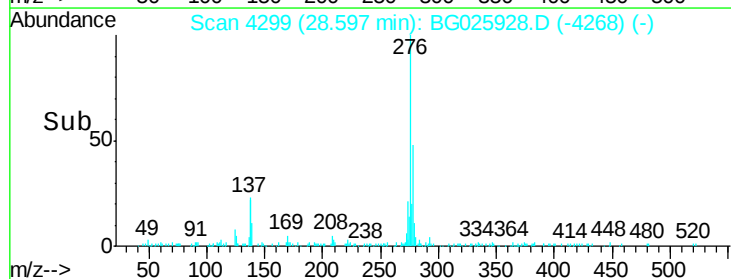
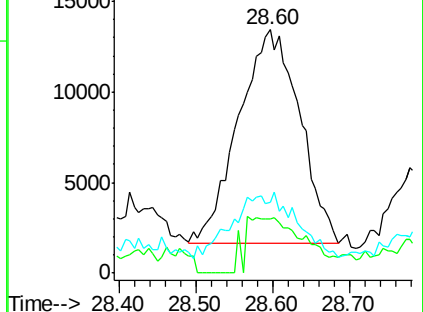
279 28.8 19.2 28.8#

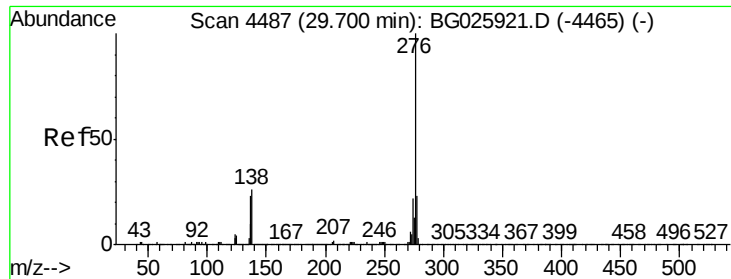


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.58 ng/ul

RT: 29.70 min Scan# 4486

Delta R.T. -0.00 min

Lab File: BG025928.D

Acq: 22 Feb 2017 6:29

Instrument :

BNA_G

ClientSampleId :

DABD2

Tgt Ion: 276 Resp: 205697

Ion Ratio Lower Upper

276 100

138 24.7 15.3 22.9#

277 23.7 19.0 28.4

