

Data File : BG025925.D
Acq On : 22 Feb 2017 4:31
Operator : SJ/MA
Sample : I1900-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DABD0

Quant Time: Feb 22 05:41:59 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	137489	20.00	ng/ul	0.00
2) Naphthalene-d8	10.89	136	669397	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.69	164	382346	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.42	188	781026	20.00	ng/ul	0.00
17) Chrysene-d12	21.67	240	774565	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	744313	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	14.38	160	705450	22.28	ng/ul	0.00
10) Fluorene-d10	15.68	176	510518	21.00	ng/ul	0.00
14) Anthracene-d10	17.52	188	698807	19.79	ng/ul	0.00
18) Pyrene-d10	19.79	212	716670	19.20	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	650452	19.75	ng/ul	0.00

Target Compounds				Qvalue		
13) Phenanthrene	17.46	178	127416	3.06	ng/ul	97
15) Anthracene	17.46	178	127168	3.00	ng/ul	97
16) Fluoranthene	19.46	202	265880	5.81	ng/ul	98
19) Pyrene	19.82	202	221116	4.72	ng/ul	98
20) Benzo(a)anthracene	21.66	228	131358	3.01	ng/ul	98
21) Chrysene	21.72	228	141634	3.40	ng/ul	97
23) Benzo(b)fluoranthene	23.87	252	214892	5.00	ng/ul#	93
24) Benzo(k)fluoranthene	23.87	252	214892	5.17	ng/ul#	93
26) Benzo(a)pyrene	24.74	252	129038	3.10	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	28.54	276	98259	2.02	ng/ul	93
29) Benzo(g,h,i)perylene	29.69	276	51403	1.28	ng/ul#	92

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

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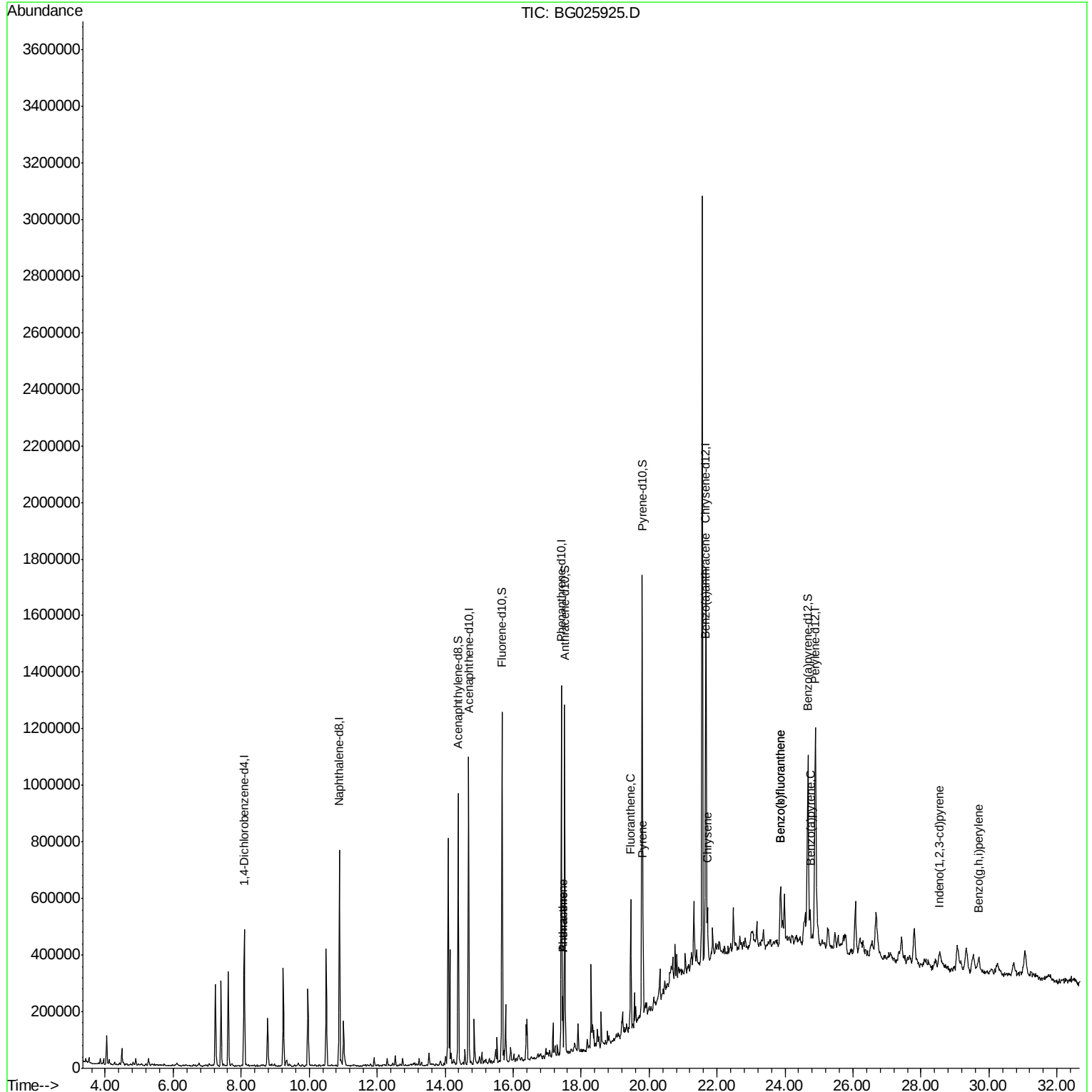
Quant Time: Feb 22 05:41:59 2017

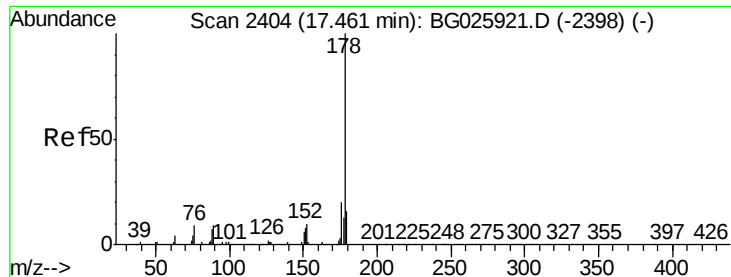
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.3-EPA-BG021617MA.M

Quant Title : SVOA CALIBRATION

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

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#13

Phenanthrene

Concen: 3.06 ng/ul

RT: 17.46 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

Instrument :

BNA_G

ClientSampleId :

DABD0

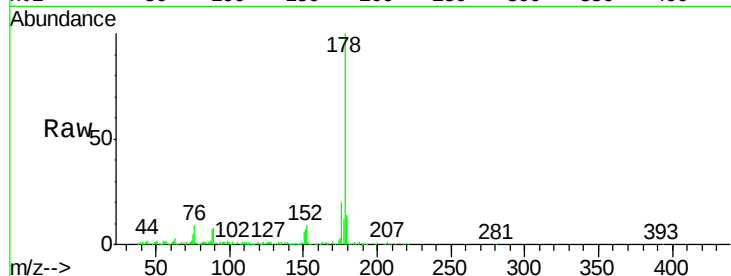
Tgt Ion:178 Resp: 127416

Ion Ratio Lower Upper

178 100

179 13.6 12.3 18.5

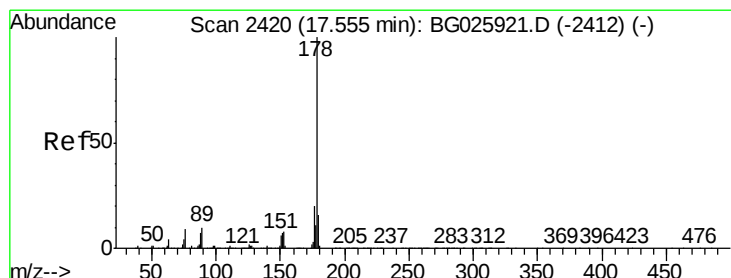
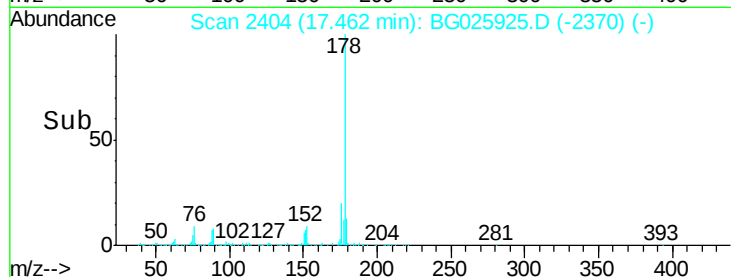
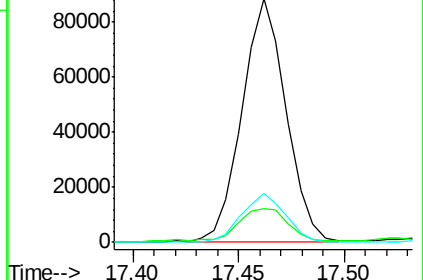
176 20.1 15.1 22.7



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: 3.00 ng/ul

RT: 17.46 min Scan# 2404

Delta R.T. -0.09 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

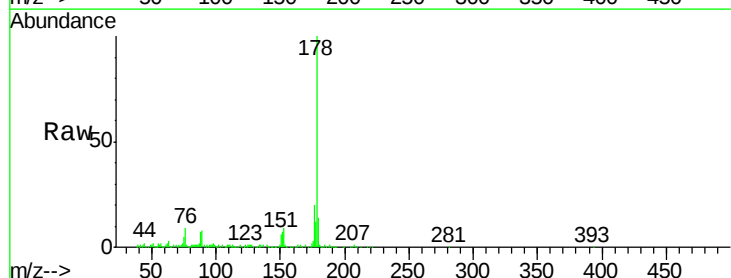
Tgt Ion:178 Resp: 127168

Ion Ratio Lower Upper

178 100

179 13.6 11.8 17.8

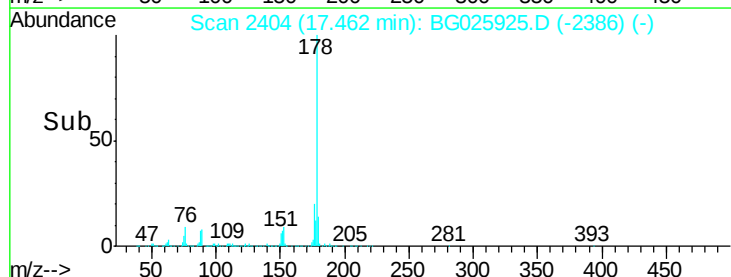
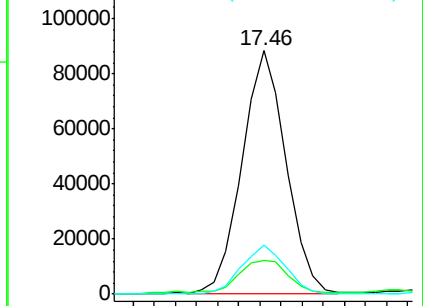
176 20.1 15.2 22.8

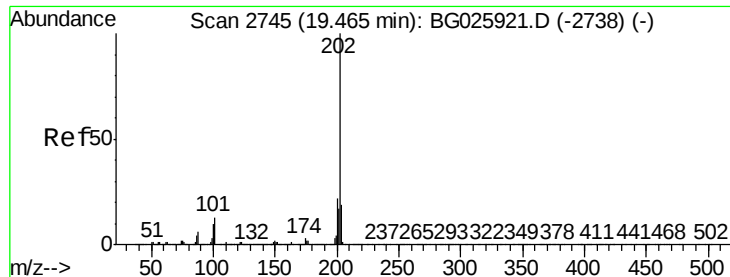


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

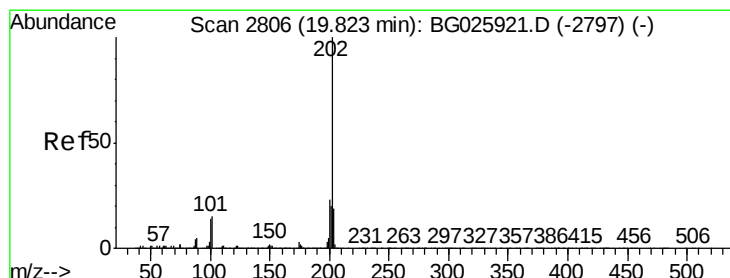
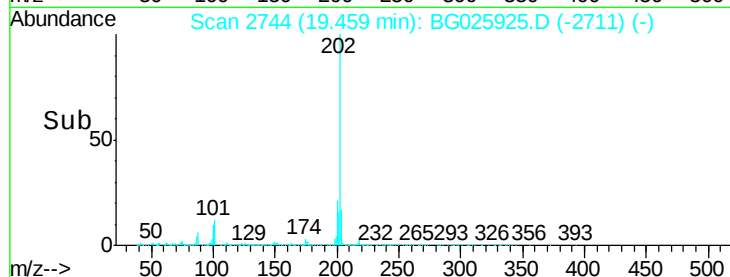
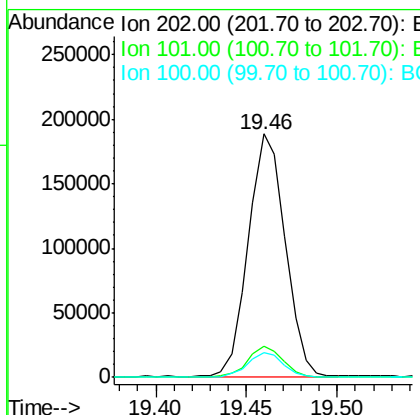
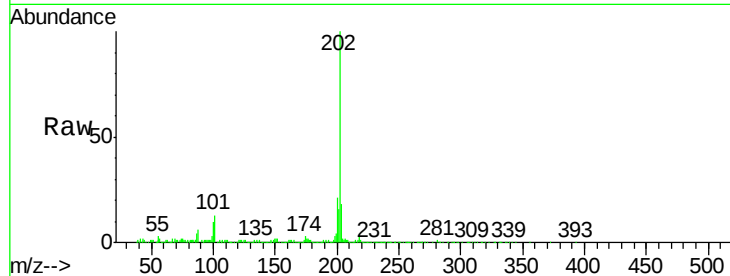




#16
 Fluoranthene
 Concen: 5.81 ng/ul
 RT: 19.46 min Scan# 2744
 Delta R.T. -0.01 min
 Lab File: BG025925.D
 Acq: 22 Feb 2017 4:31

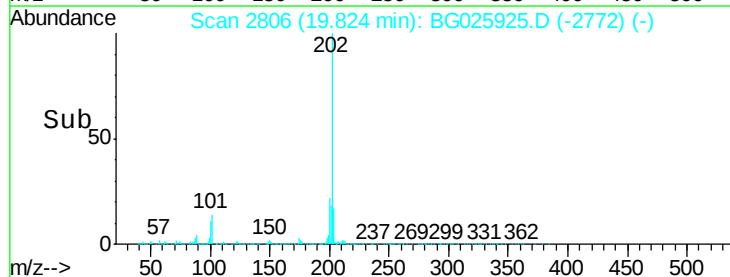
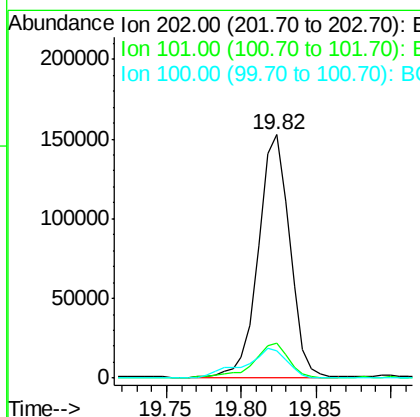
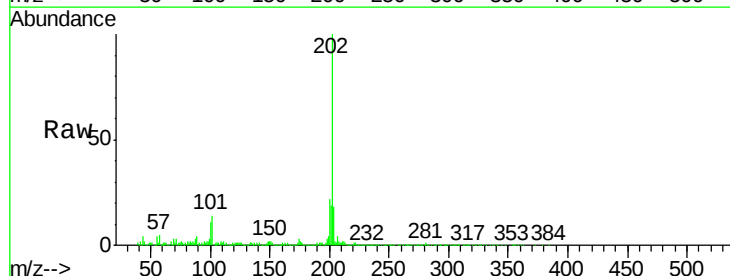
Instrument :
 BNA_G
 ClientSampleId :
 DABD0

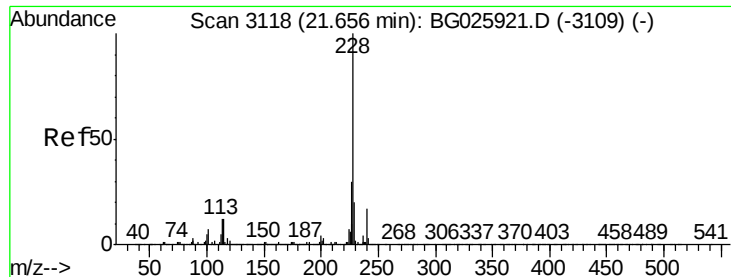
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.9	14.9
100	10.2	7.4	11.0



#19
 Pyrene
 Concen: 4.72 ng/ul
 RT: 19.82 min Scan# 2806
 Delta R.T. 0.00 min
 Lab File: BG025925.D
 Acq: 22 Feb 2017 4:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.4
100	11.4	8.1	12.1





#20

Benzo(a)anthracene

Concen: 3.01 ng/ul

RT: 21.66 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

Instrument :

BNA_G

ClientSampleId :

DABD0

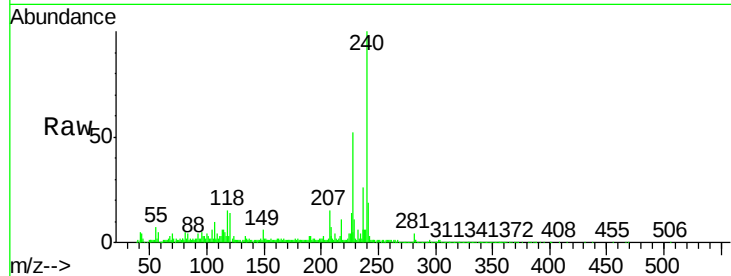
Tgt Ion:228 Resp: 131358

Ion Ratio Lower Upper

228 100

229 21.0 15.7 23.5

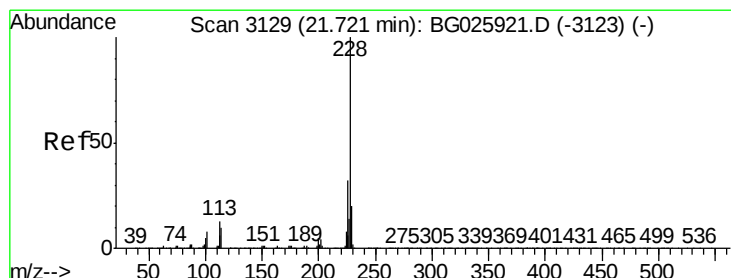
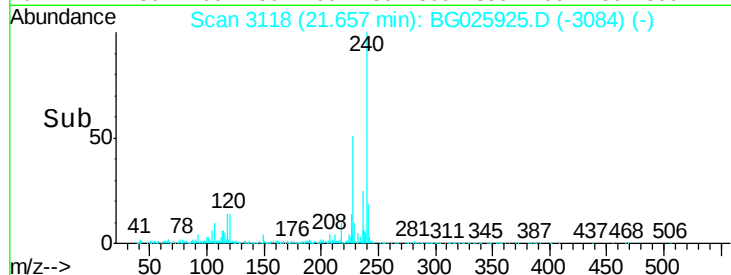
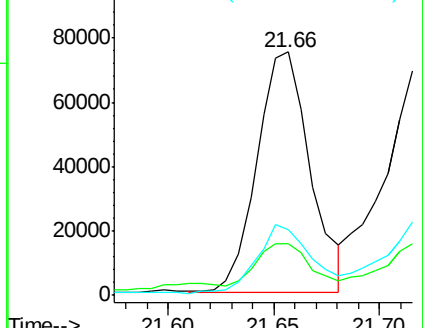
226 26.9 21.1 31.7



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: 3.40 ng/ul

RT: 21.72 min Scan# 3129

Delta R.T. 0.00 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

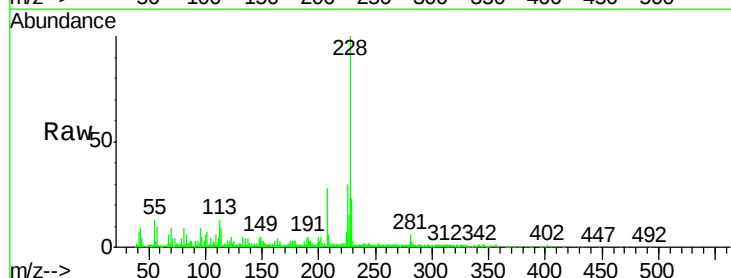
Tgt Ion:228 Resp: 141634

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

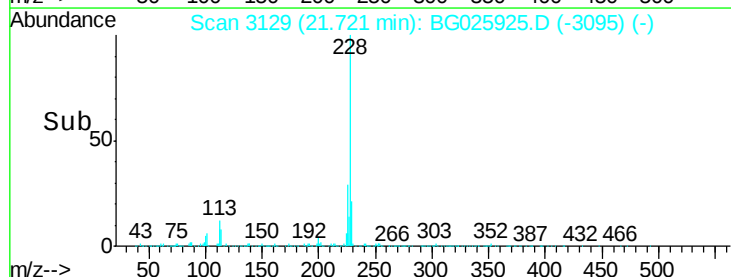
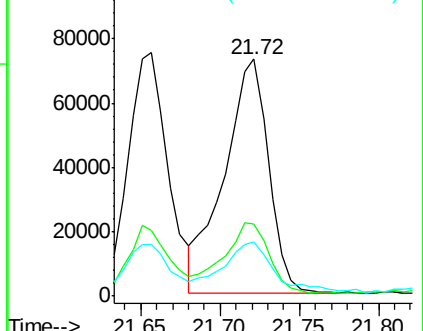
229 22.8 15.8 23.8

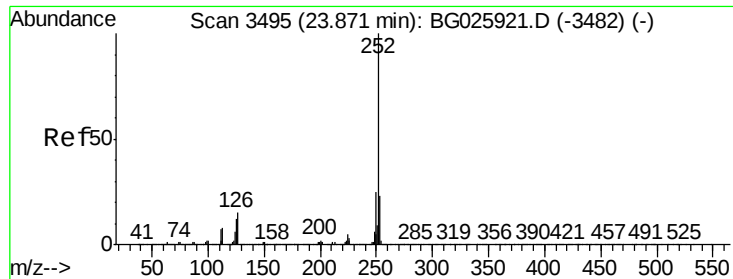


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 5.00 ng/ul

RT: 23.87 min Scan# 3495

Delta R.T. 0.00 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

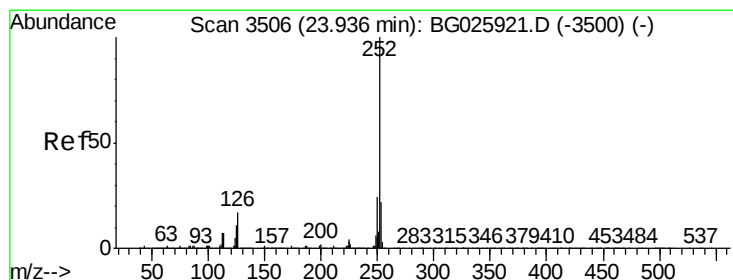
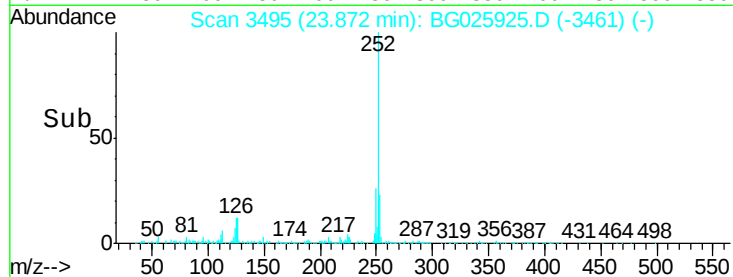
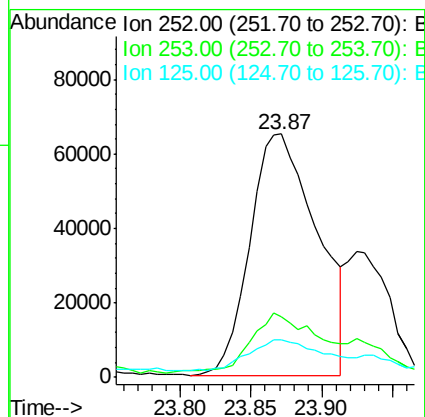
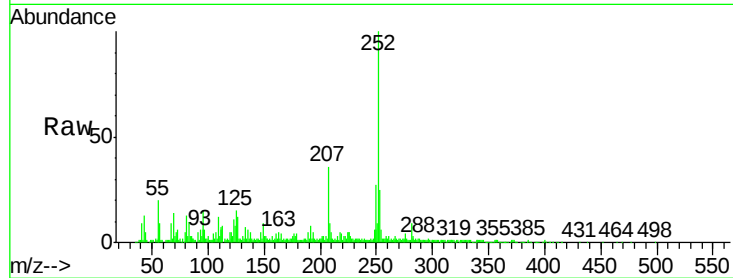
Instrument :

BNA_G

ClientSampleId :

DABD0

Tgt Ion:	252	Resp:	214892
Ion Ratio		Lower	Upper
252	100		
253	24.6	18.0	27.0
125	15.2	8.0	12.0#



#24

Benzo(k)fluoranthene

Concen: 5.17 ng/ul

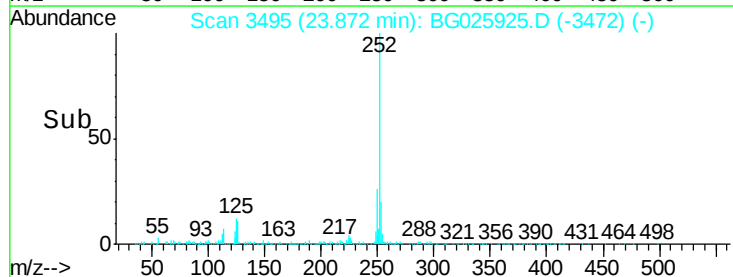
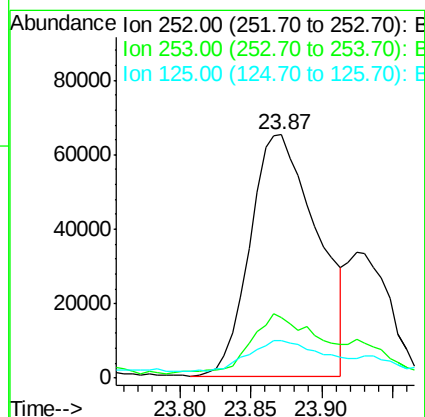
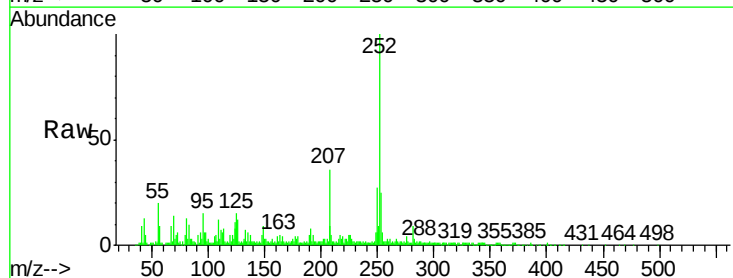
RT: 23.87 min Scan# 3495

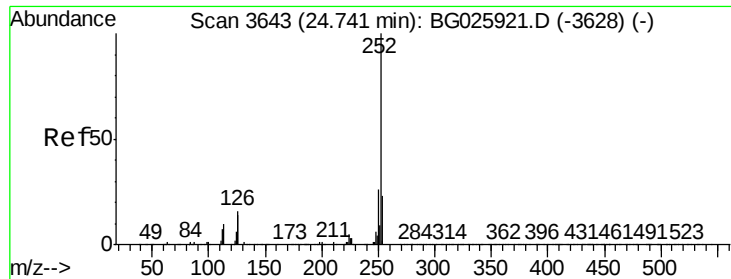
Delta R.T. -0.06 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

Tgt Ion:	252	Resp:	214892
Ion Ratio		Lower	Upper
252	100		
253	24.6	18.0	27.0
125	15.2	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 3.10 ng/ul

RT: 24.74 min Scan# 3642

Delta R.T. -0.01 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

Instrument :

BNA_G

ClientSampleId :

DABD0

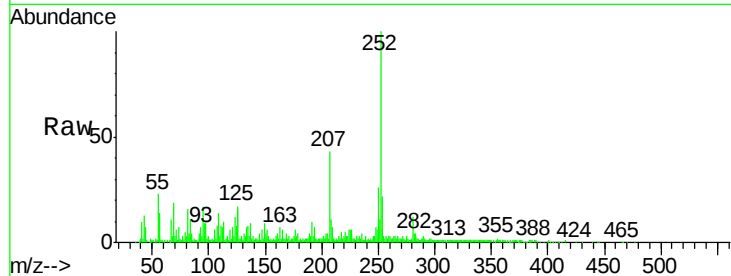
Tgt Ion:252 Resp: 129038

Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

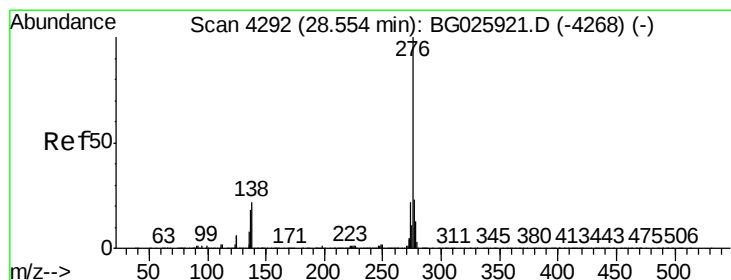
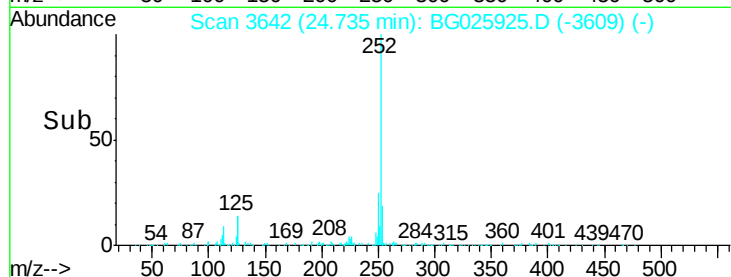
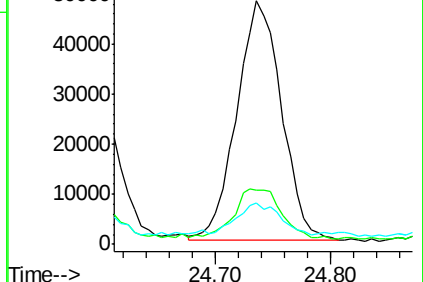
125 17.1 8.2 12.4#



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: 2.02 ng/ul

RT: 28.54 min Scan# 4290

Delta R.T. -0.01 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

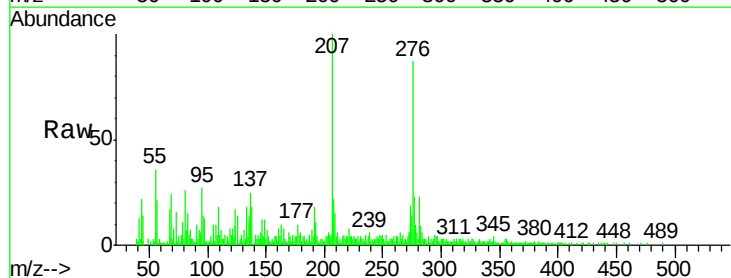
Tgt Ion:276 Resp: 98259

Ion Ratio Lower Upper

276 100

138 21.0 14.4 21.6

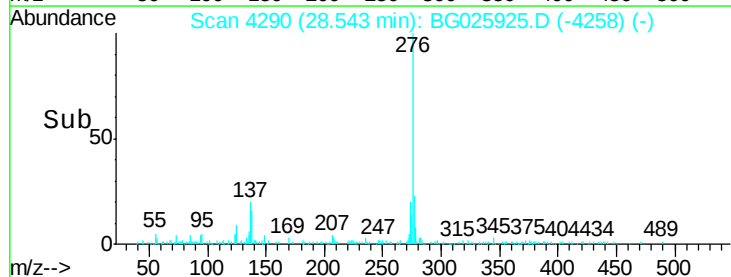
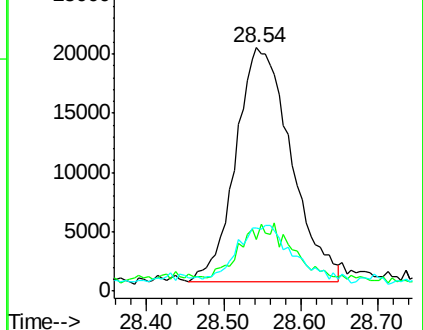
277 26.2 18.0 27.0

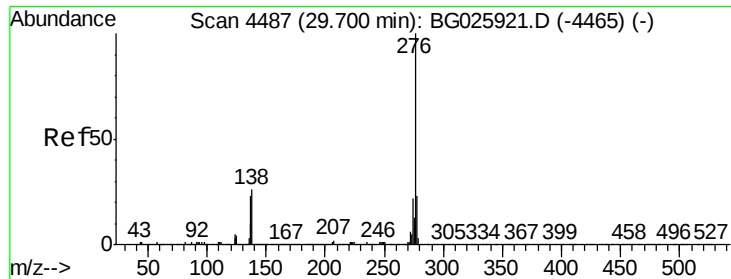


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.28 ng/ul

RT: 29.69 min Scan# 4486

Delta R.T. -0.01 min

Lab File: BG025925.D

Acq: 22 Feb 2017 4:31

Instrument :

BNA_G

ClientSampleId :

DABD0

Tgt Ion:276 Resp: 51403

Ion Ratio Lower Upper

276 100

138 25.4 15.3 22.9#

277 22.0 19.0 28.4

