

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029124.D
 Acq On : 10 Oct 2017 1:58
 Operator : SJ/JU
 Sample : I5578-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAHB1

Quant Time: Oct 10 06:36:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 06:24:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	55922	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	238889	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	157870	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	354593	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	370045	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	394786	20.00	ng/ul	0.02

System Monitoring Compounds

7) Acenaphthylene-d8	14.52	160	610774	37.20	ng/ul	0.00
10) Fluorene-d10	15.81	176	447960	37.62	ng/ul	0.00
14) Anthracene-d10	17.67	188	647777	37.71	ng/ul	0.00
18) Pyrene-d10	19.94	212	753655	39.81	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.98	264	741197	39.19	ng/ul	0.03

Target Compounds

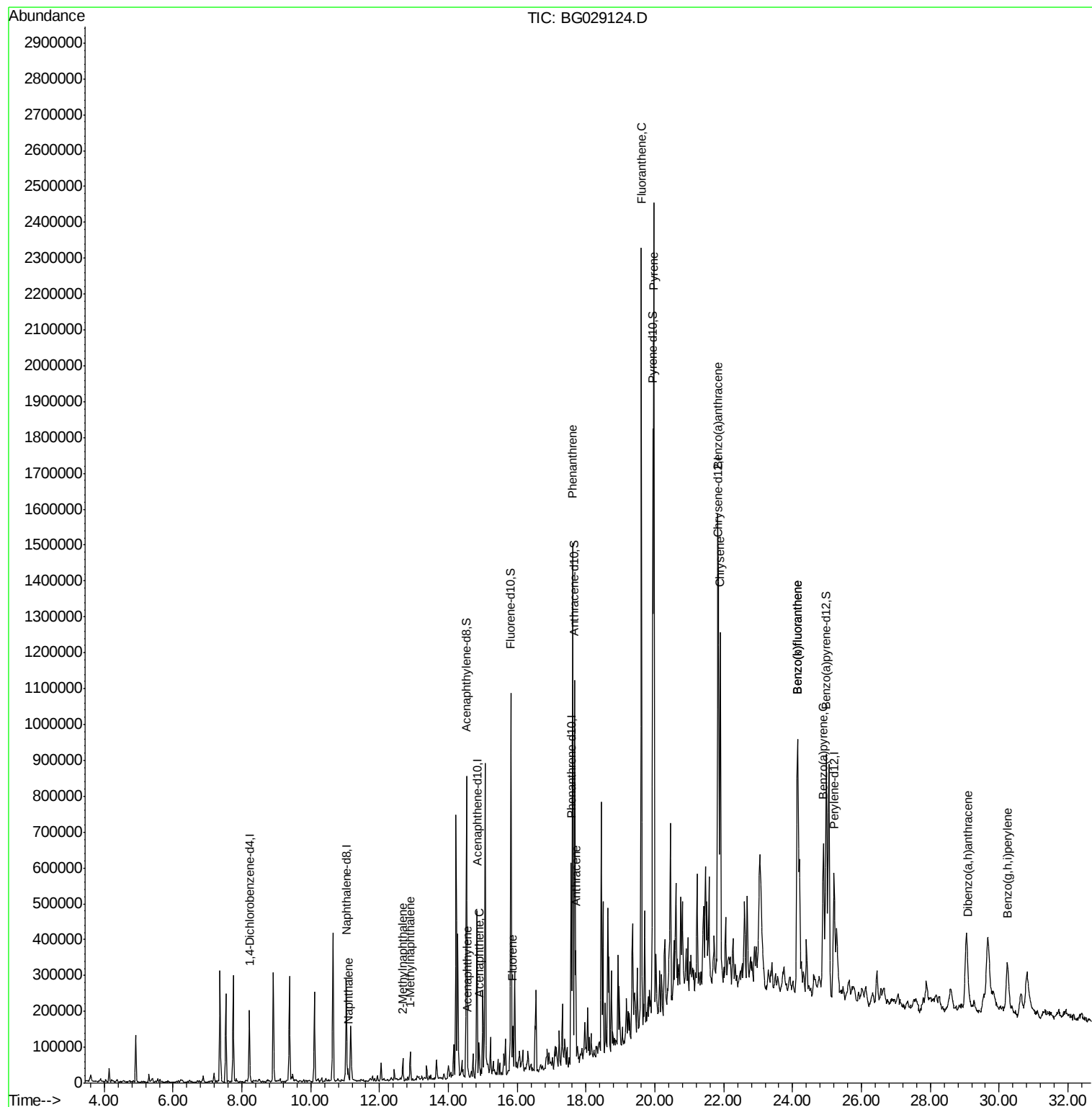
						Ovalue
3) Naphthalene	11.09	128	26604	2.139	ng/ul	96
4) 2-Methylnaphthalene	12.67	142	27586	2.923	ng/ul	94
5) 1-Methylnaphthalene	12.89	142	36460	4.047	ng/ul	98
8) Acenaphthylene	14.56	152	18642	1.179	ng/ul#	84
9) Acenaphthene	14.89	153	39365	3.659	ng/ul	97
11) Fluorene	15.87	166	41325	3.282	ng/ul	88
13) Phenanthrene	17.61	178	943354	49.877	ng/ul	98
15) Anthracene	17.70	178	192905	9.969	ng/ul	98
16) Fluoranthene	19.60	202	1364936	61.562	ng/ul#	91
19) Pyrene	19.97	202	1401005	60.737	ng/ul#	93
20) Benzo(a)anthracene	21.83	228	795942	36.523	ng/ul	94
21) Chrysene	21.89	228	755325	37.851	ng/ul	97
23) Benzo(b)fluoranthene	24.14	252	943471	39.948	ng/ul#	97
24) Benzo(k)fluoranthene	24.14	252	994686	43.152	ng/ul#	97
26) Benzo(a)pyrene	24.90	252	454178	19.799	ng/ul	98
28) Dibenzo(a,h)anthracene	29.09	278	110929	5.146	ng/ul#	91
29) Benzo(g,h,i)perylene	30.24	276	342624	15.959	ng/ul#	95

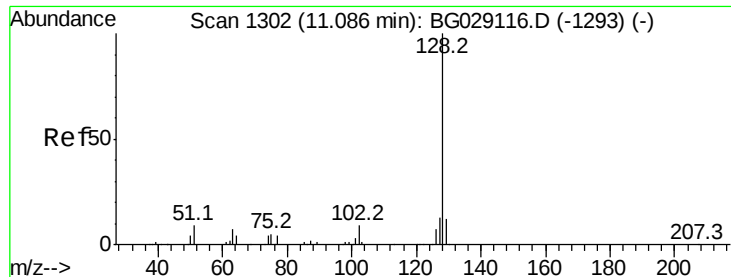
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029124.D
Acq On : 10 Oct 2017 1:58
Operator : SJ/JU
Sample : I5578-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DAHBI

Quant Time: Oct 10 06:36:27 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 06:24:09 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.139 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

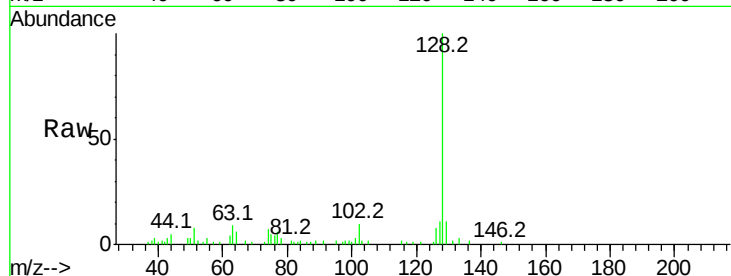
Tot Ion:128 Resp: 26604

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

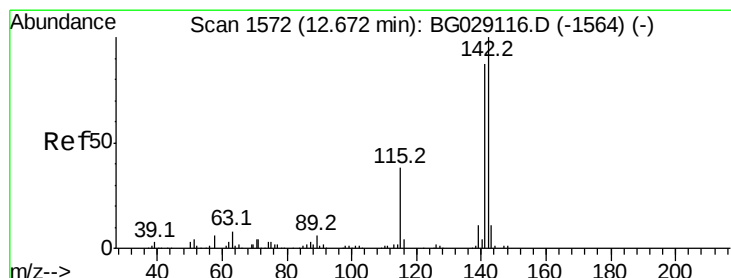
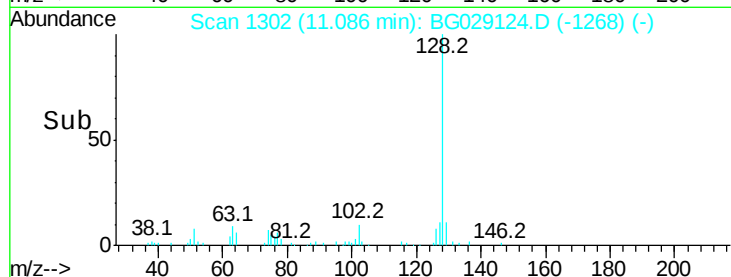
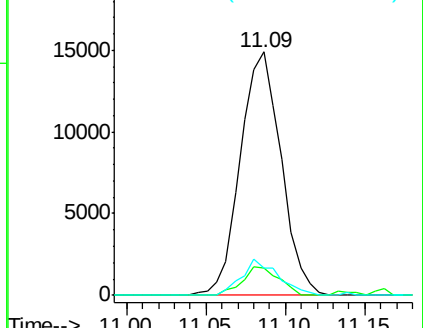
127 11.0 10.6 16.0



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: 2.923 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BG029124.D

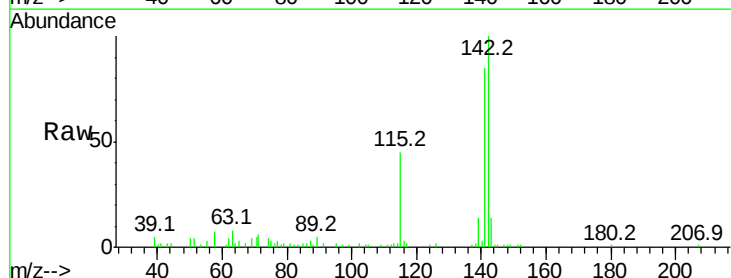
Acq: 10 Oct 2017 1:58

Tgt Ion:142 Resp: 27586

Ion Ratio Lower Upper

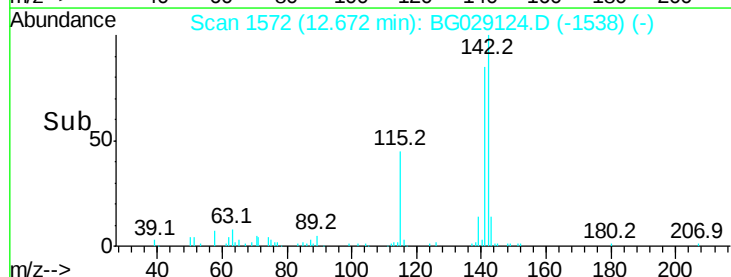
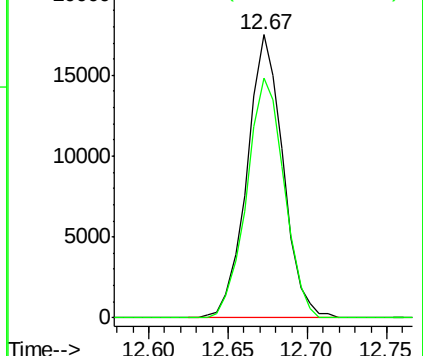
142 100

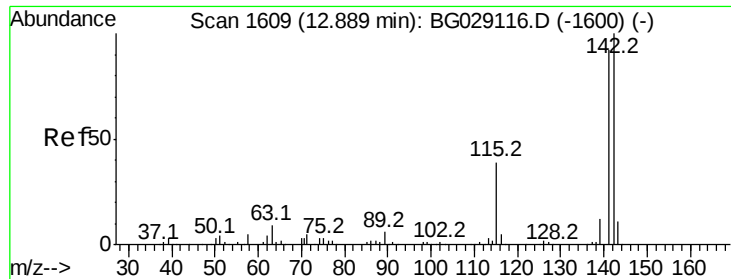
141 84.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 4.047 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

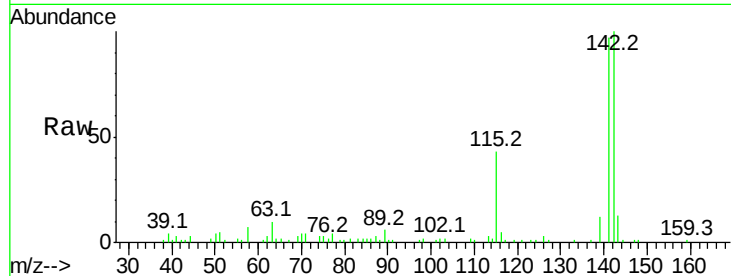
Tot Ion:142 Resp: 36460

Ion Ratio Lower Upper

142 100

141 96.6 79.3 118.9

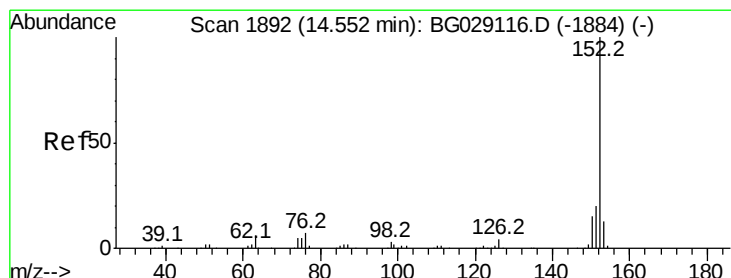
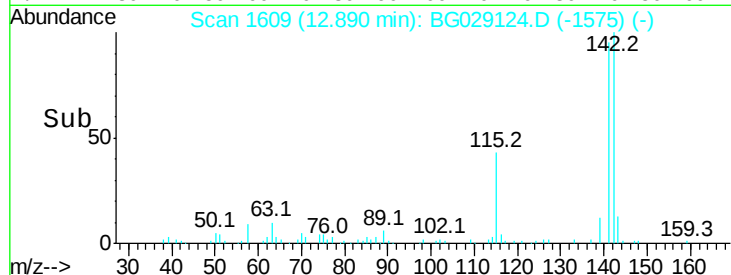
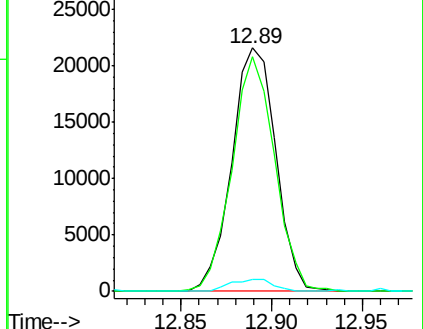
116 4.8 4.2 6.2



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



#8

Acenaphthylene

Concen: 1.179 ng/ul

RT: 14.56 min Scan# 1893

Delta R.T. 0.01 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

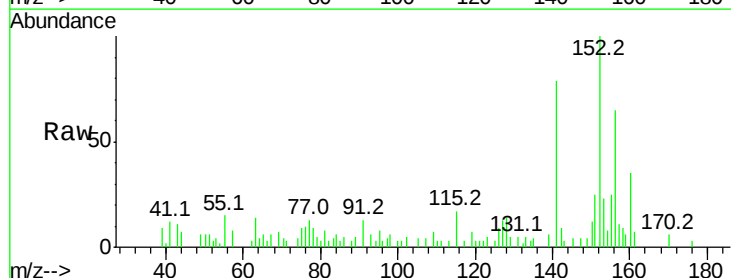
Tgt Ion:152 Resp: 18642

Ion Ratio Lower Upper

152 100

151 25.2 16.7 25.1#

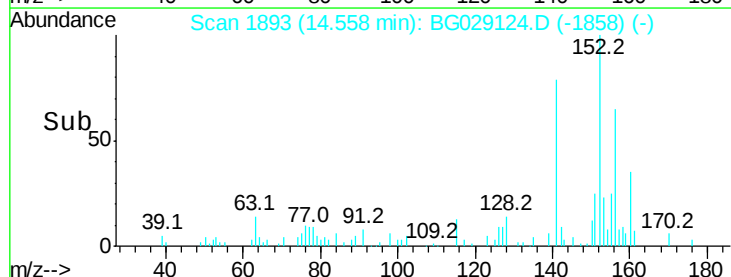
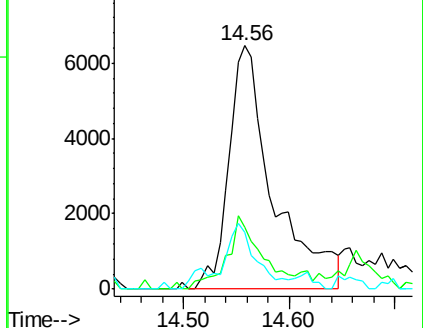
153 23.2 10.2 15.4#

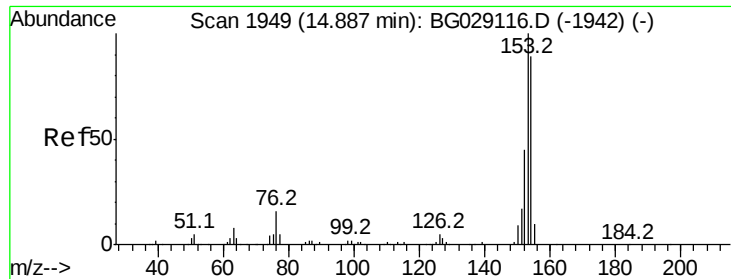


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 3.659 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

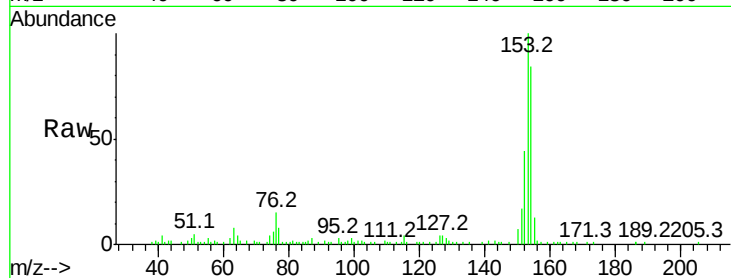
Tot Ion:153 Resp: 39365

Ion Ratio Lower Upper

153 100

152 43.6 39.0 58.6

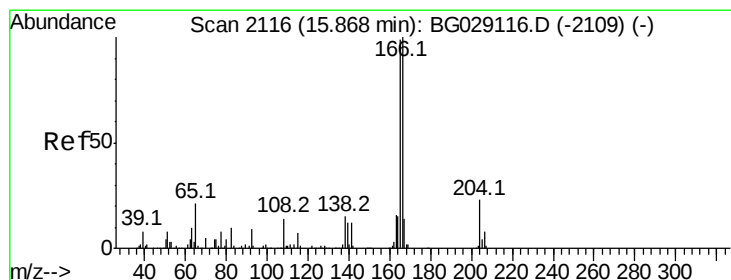
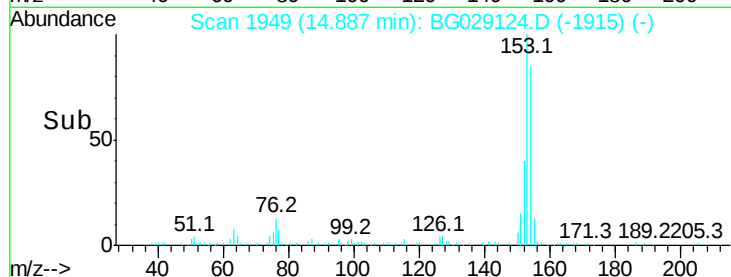
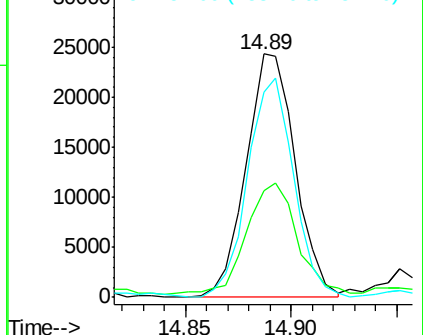
154 84.4 66.8 100.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 3.282 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

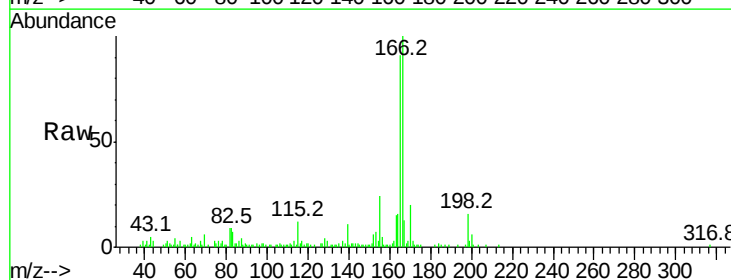
Tgt Ion:166 Resp: 41325

Ion Ratio Lower Upper

166 100

165 91.4 83.8 125.8

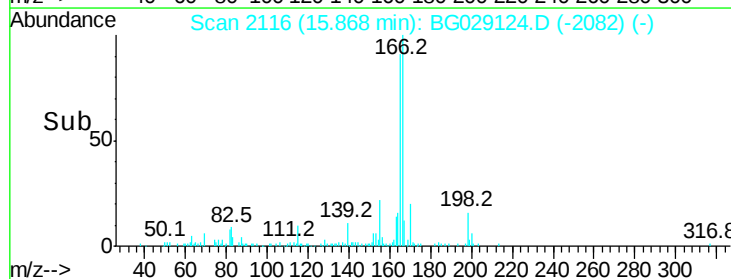
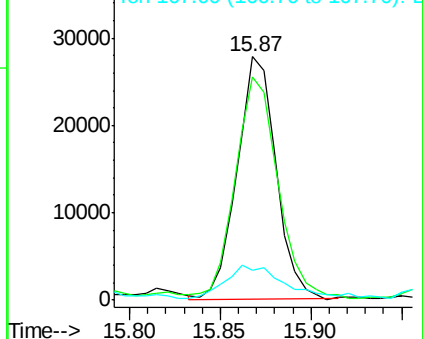
167 12.5 11.5 17.3

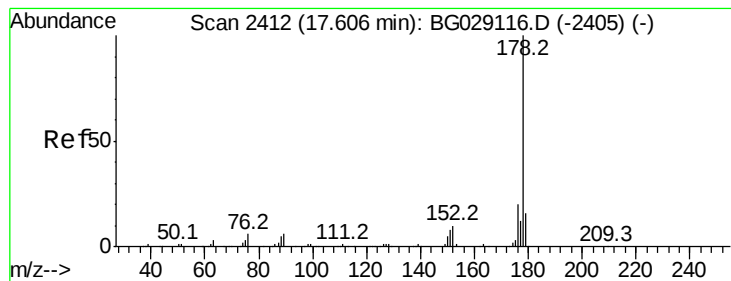


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 49.877 ng/ul

RT: 17.61 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

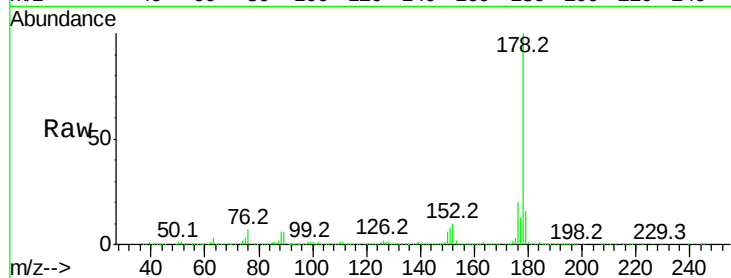
Tot Ion:178 Resp: 943354

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

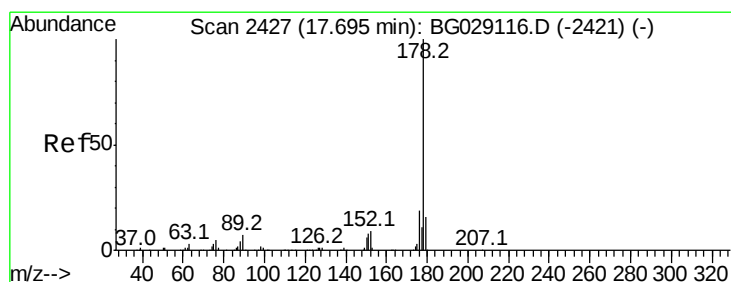
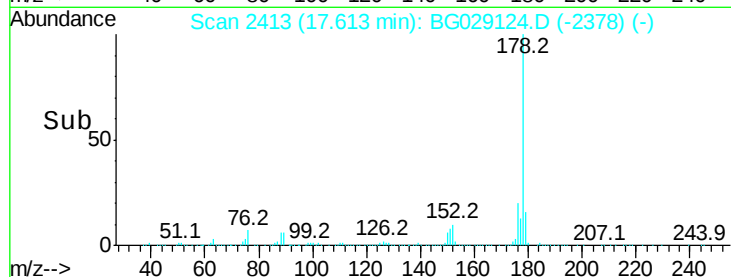
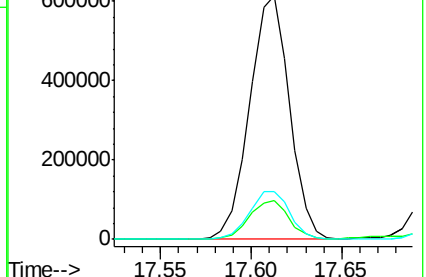
176 19.8 15.1 22.7



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: 9.969 ng/ul

RT: 17.70 min Scan# 2428

Delta R.T. 0.01 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

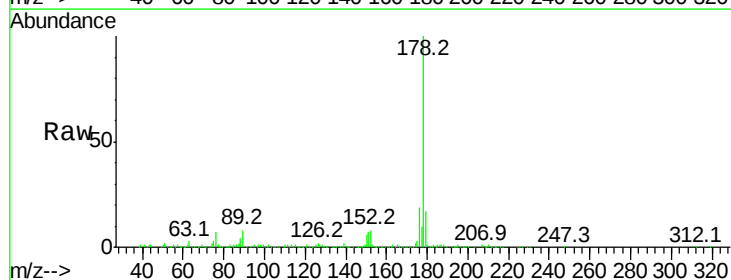
Tgt Ion:178 Resp: 192905

Ion Ratio Lower Upper

178 100

179 16.7 11.8 17.8

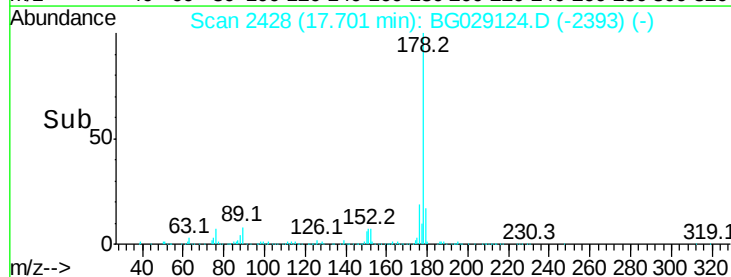
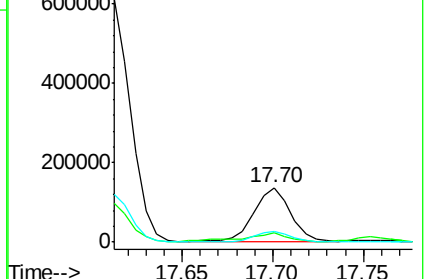
176 19.2 15.2 22.8

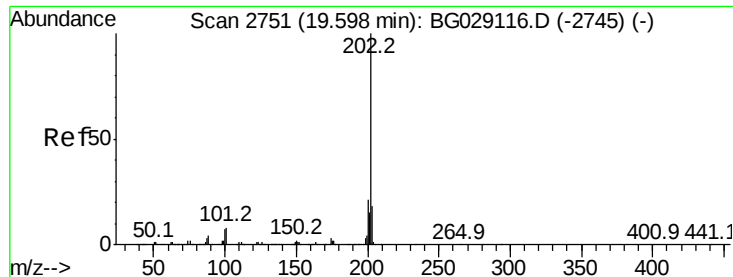


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

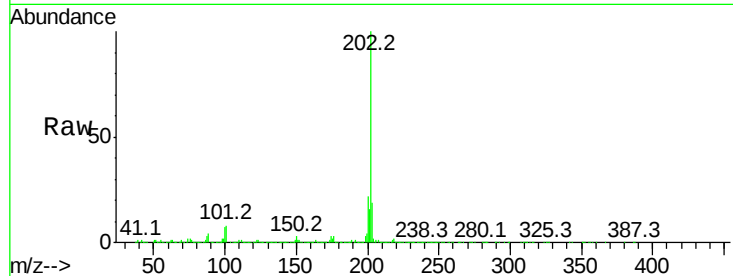




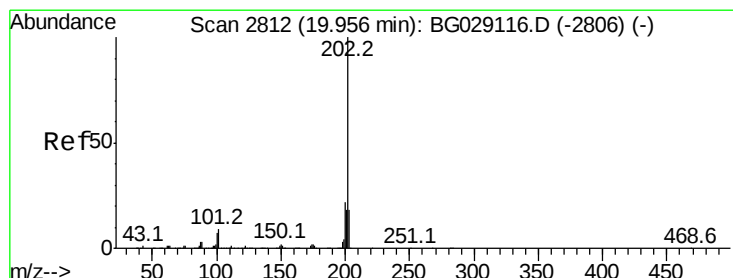
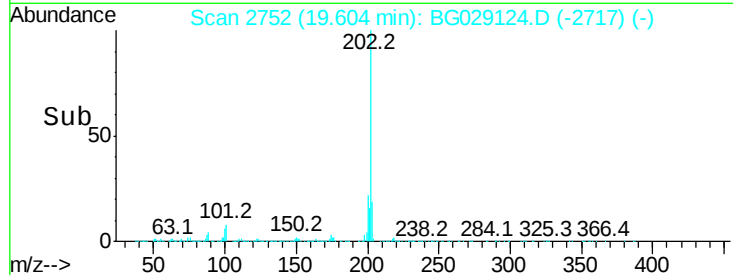
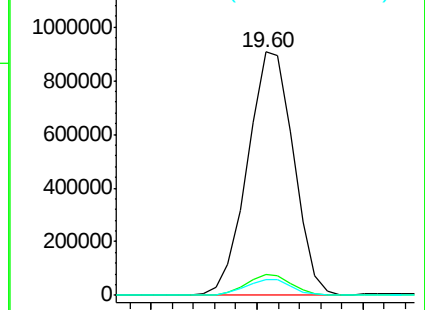
#16
 Fluoranthene
 Concen: 61.562 ng/ul
 RT: 19.60 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BG029124.D
 Acq: 10 Oct 2017 1:58

Instrument :
 BNA_G
 ClientSampleId :
 DAHB1

Tot Ion:202 Resp: 1364936
 Ion Ratio Lower Upper
 202 100
 101 8.4 9.9 14.9#
 100 6.5 7.4 11.0#

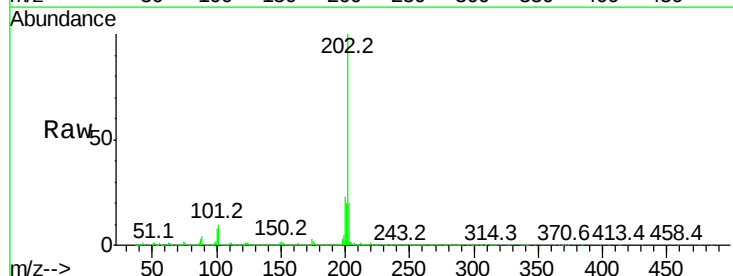


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

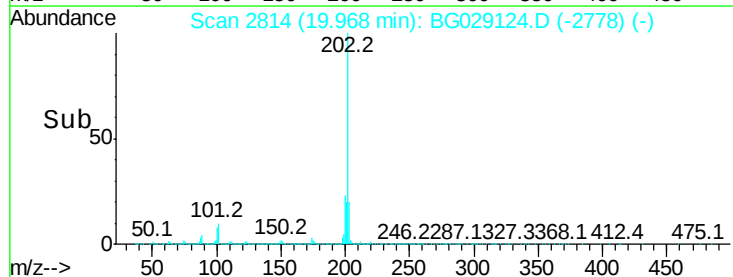
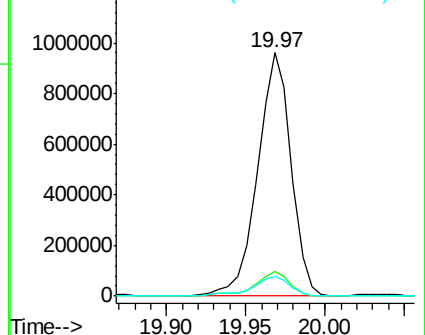


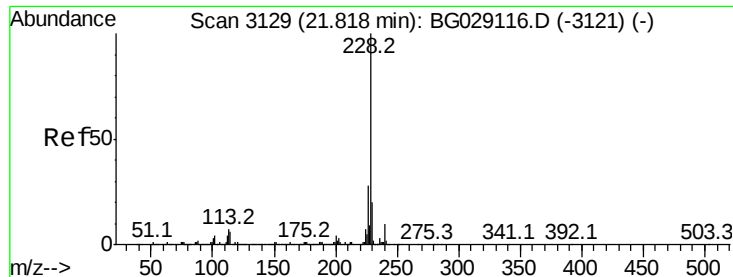
#19
 Pyrene
 Concen: 60.737 ng/ul
 RT: 19.97 min Scan# 2814
 Delta R.T. 0.01 min
 Lab File: BG029124.D
 Acq: 10 Oct 2017 1:58

Tgt Ion:202 Resp: 1401005
 Ion Ratio Lower Upper
 202 100
 101 10.1 11.0 16.4#
 100 8.3 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: 36.523 ng/ul

RT: 21.83 min Scan# 3131

Delta R.T. 0.01 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

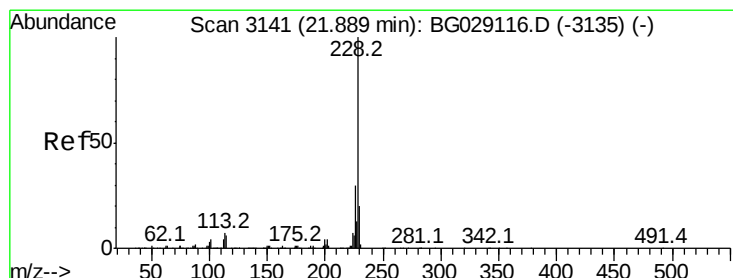
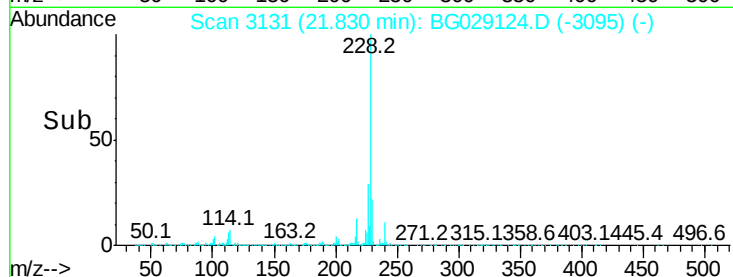
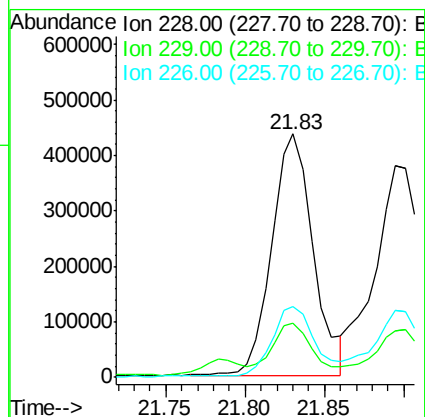
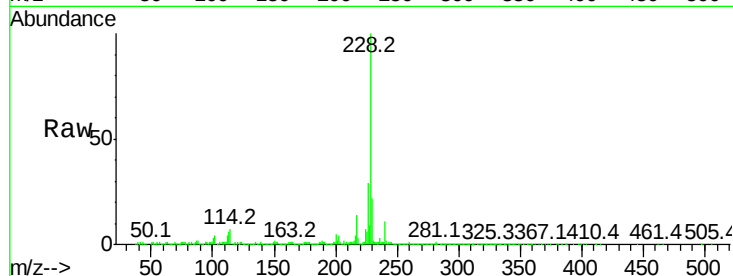
Tot Ion:228 Resp: 795942

Ion Ratio Lower Upper

228 100

229 22.4 15.7 23.5

226 29.1 21.1 31.7



#21

Chrysene

Concen: 37.851 ng/ul

RT: 21.89 min Scan# 3142

Delta R.T. 0.01 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

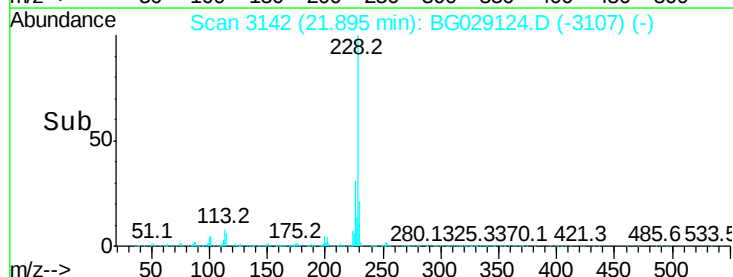
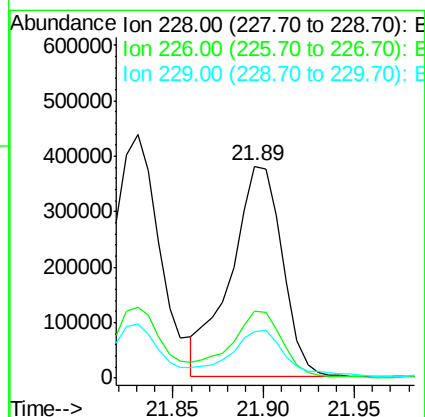
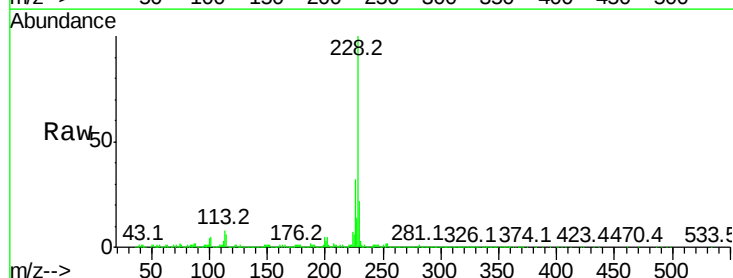
Tgt Ion:228 Resp: 755325

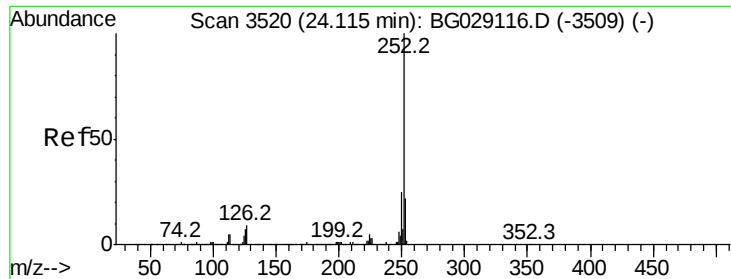
Ion Ratio Lower Upper

228 100

226 31.7 24.5 36.7

229 22.0 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 39.948 ng/ul

RT: 24.14 min Scan# 3524

Delta R.T. 0.02 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

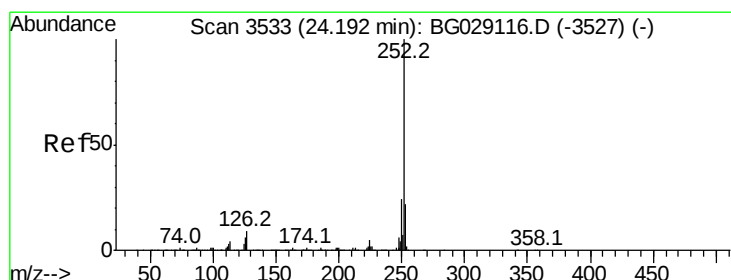
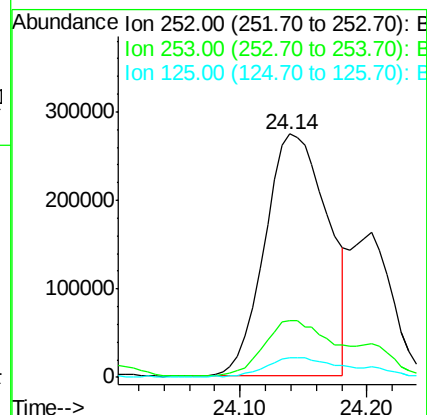
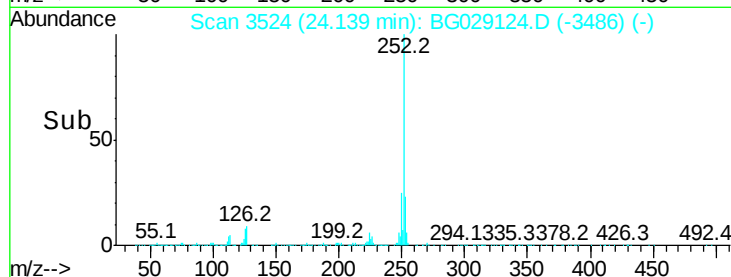
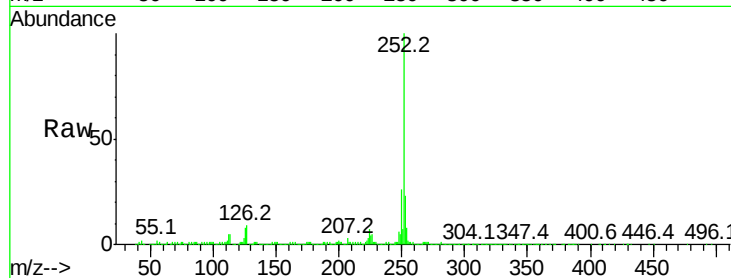
Tot Ion:252 Resp: 943471

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 7.9 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 43.152 ng/ul

RT: 24.14 min Scan# 3524

Delta R.T. -0.05 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

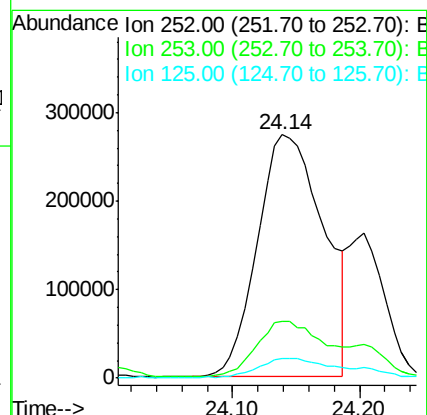
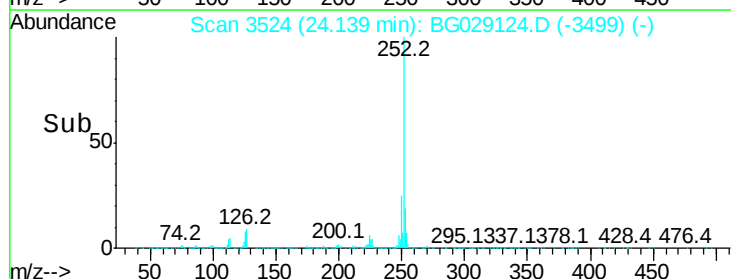
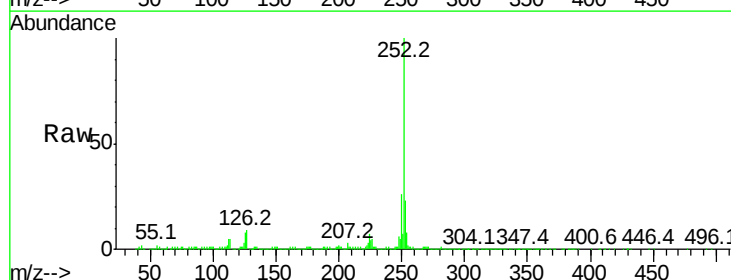
Tgt Ion:252 Resp: 994686

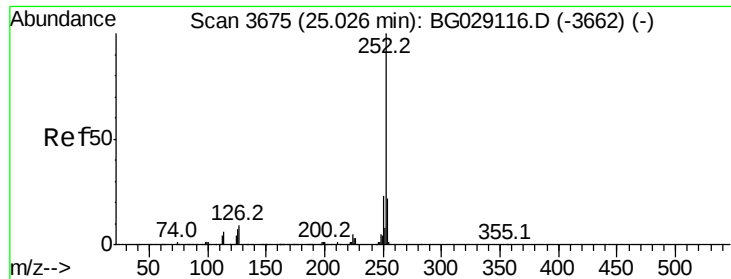
Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

125 7.9 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 19.799 ng/ul

RT: 24.90 min Scan# 3653

Delta R.T. -0.13 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

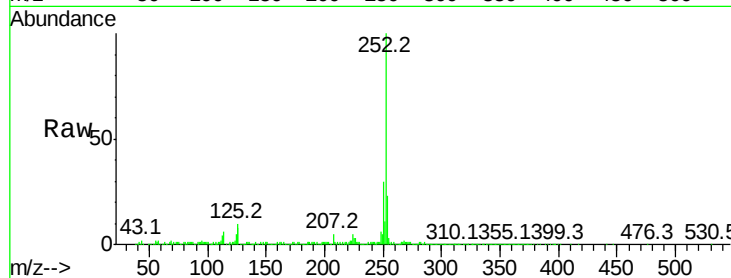
Tot Ion:252 Resp: 454178

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

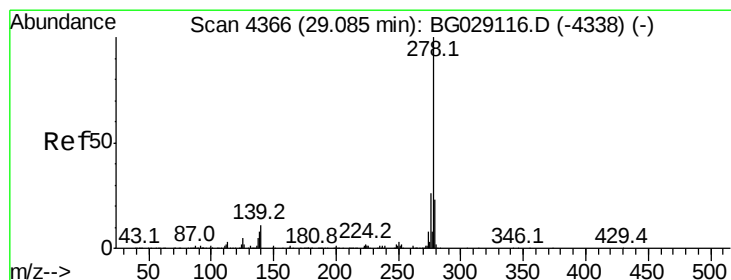
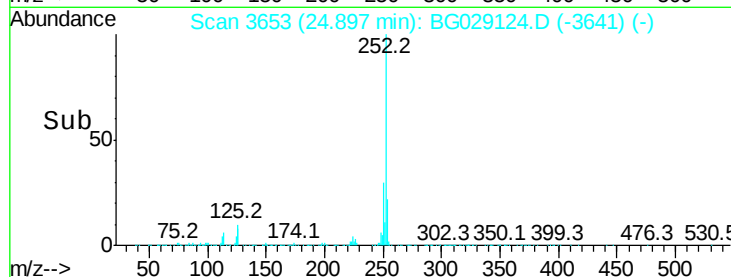
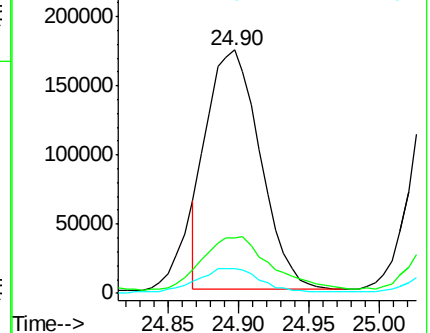
125 10.0 8.2 12.4



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



#28

Dibenzo(a,h)anthracene

Concen: 5.146 ng/ul

RT: 29.09 min Scan# 4367

Delta R.T. 0.01 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

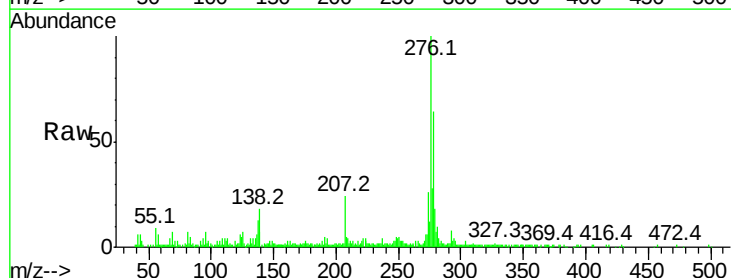
Tgt Ion:278 Resp: 110929

Ion Ratio Lower Upper

278 100

139 11.5 12.2 18.4#

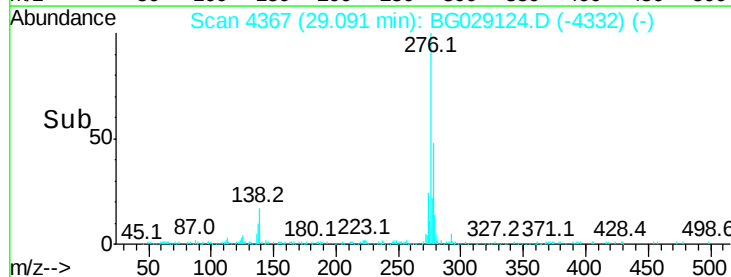
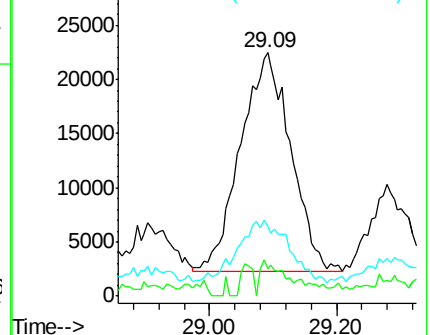
279 28.6 19.2 28.8

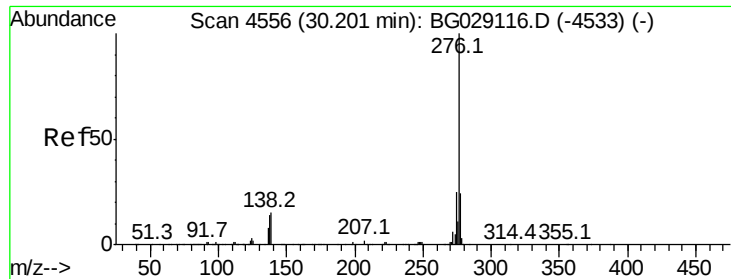


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(a,h,i)perylene

Concen: 15.959 ng/ul

RT: 30.24 min Scan# 4563

Delta R.T. 0.04 min

Lab File: BG029124.D

Acq: 10 Oct 2017 1:58

Instrument :

BNA_G

ClientSampleId :

DAHB1

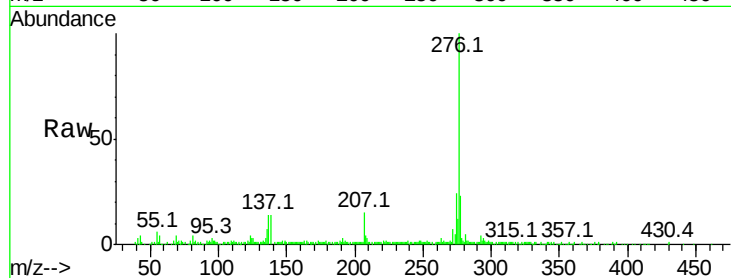
Tot Ion:276 Resp: 342624

Ion Ratio Lower Upper

276 100

138 14.4 15.3 22.9#

277 23.4 19.0 28.4



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

