

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
 Data File : BG029059.D
 Acq On : 7 Oct 2017 22:43
 Operator : SJ/JU
 Sample : SSTDC0020
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 08 06:29:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 17:49:18 2017
 Response via : Initial Calibration

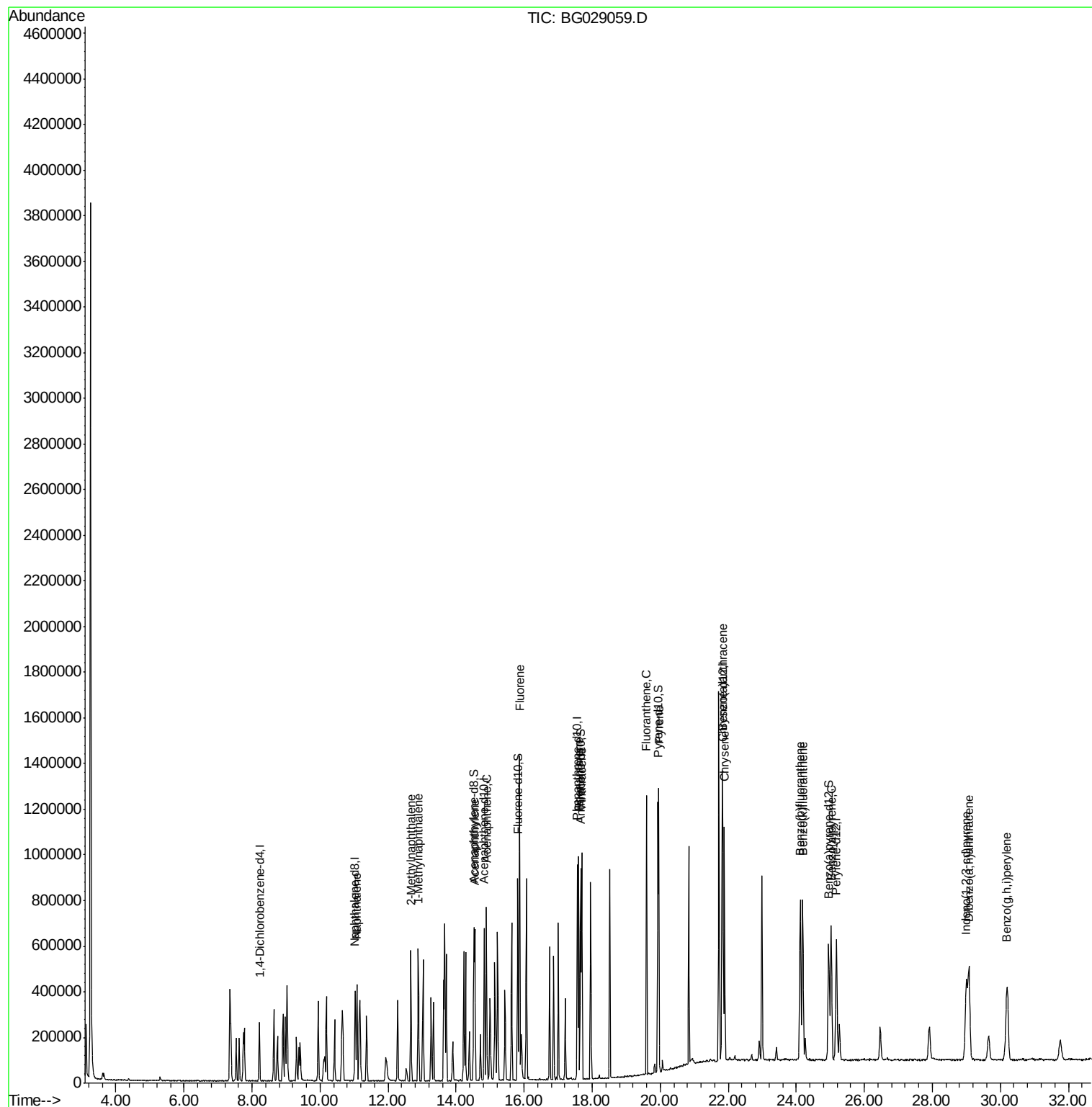
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	75796	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	350388	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	237101	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	562947	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	551596	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	536470	20.00	ng/ul	-0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	500316	20.29	ng/ul	0.00
10) Fluorene-d10	15.81	176	367445	20.54	ng/ul	0.00
14) Anthracene-d10	17.66	188	567412	20.81	ng/ul	0.00
18) Pyrene-d10	19.93	212	607342	21.52	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.95	264	544616	21.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.08	128	377948	20.720	ng/ul	99
4) 2-Methylnaphthalene	12.67	142	282372	20.396	ng/ul	99
5) 1-Methylnaphthalene	12.89	142	275290	20.835	ng/ul	96
8) Acenaphthylene	14.55	152	479830	20.211	ng/ul	99
9) Acenaphthene	14.89	153	324744	20.098	ng/ul	96
11) Fluorene	15.87	166	386022	20.413	ng/ul	95
13) Phenanthrene	17.61	178	616236	20.523	ng/ul	98
15) Anthracene	17.69	178	633784	20.631	ng/ul	98
16) Fluoranthene	19.60	202	737602	20.955	ng/ul	98
19) Pyrene	19.96	202	746436	21.709	ng/ul	98
20) Benzo(a)anthracene	21.82	228	704583	21.689	ng/ul	97
21) Chrysene	21.89	228	648939	21.816	ng/ul	99
23) Benzo(b)fluoranthene	24.12	252	672544	20.956	ng/ul	99
24) Benzo(k)fluoranthene	24.19	252	673645	21.506	ng/ul	98
26) Benzo(a)pyrene	25.03	252	665191	21.339	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	29.00	276	745295	21.066	ng/ul#	93
28) Dibenzo(a,h)anthracene	29.08	278	623266	21.277	ng/ul	99
29) Benzo(a,h,i)perylene	30.20	276	619243	21.226	ng/ul	96

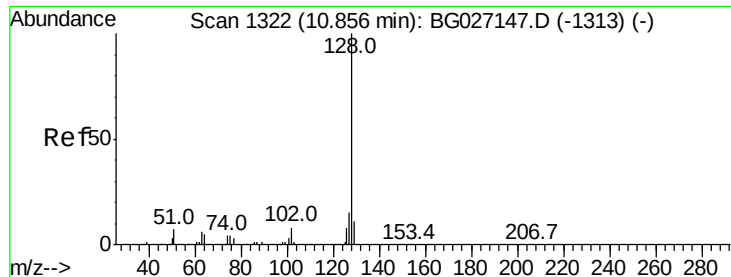
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
Data File : BG029059.D
Acq On : 7 Oct 2017 22:43
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Sample : SSTDCCC020
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :

Quant Time: Oct 08 06:29:09 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 07 17:49:18 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 20.720 ng/ul

RT: 11.08 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Instrument :

BNA_G

ClientSampleId :

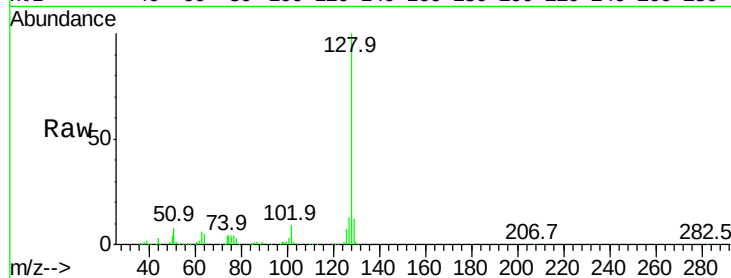
Tot Ion:128 Resp: 377948

Ion Ratio Lower Upper

128 100

129 11.9 8.7 13.1

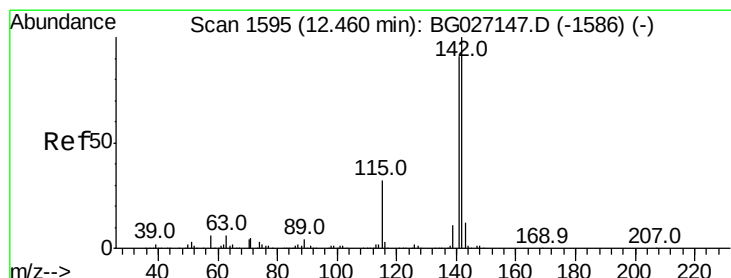
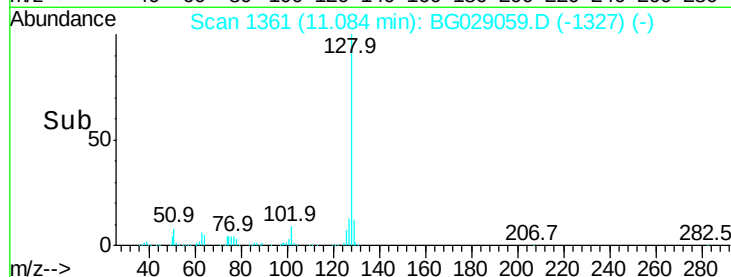
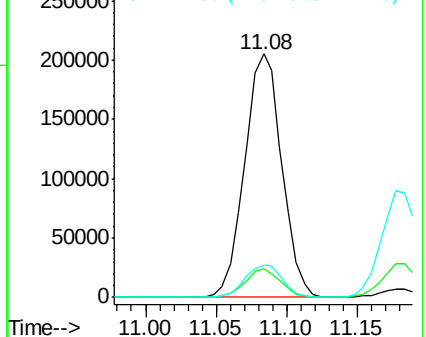
127 13.1 10.6 16.0



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: 20.396 ng/ul

RT: 12.67 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BG029059.D

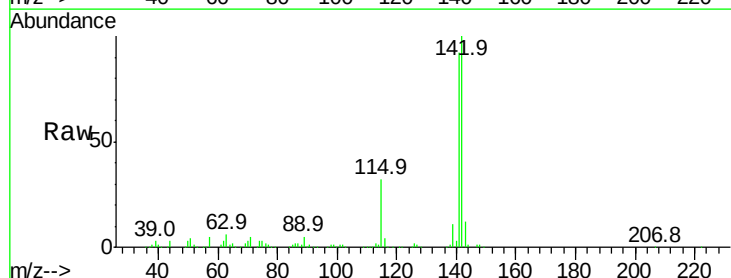
Acq: 7 Oct 2017 22:43

Tgt Ion:142 Resp: 282372

Ion Ratio Lower Upper

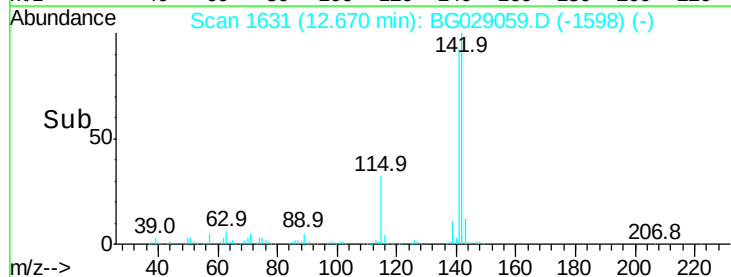
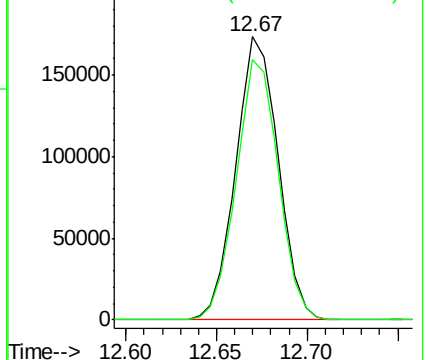
142 100

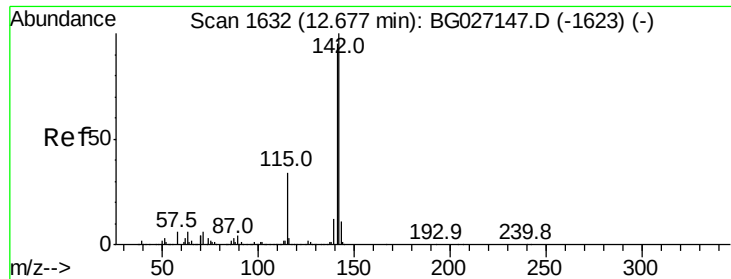
141 92.1 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.835 ng/ul

RT: 12.89 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Instrument :

BNA_G

ClientSampleId :

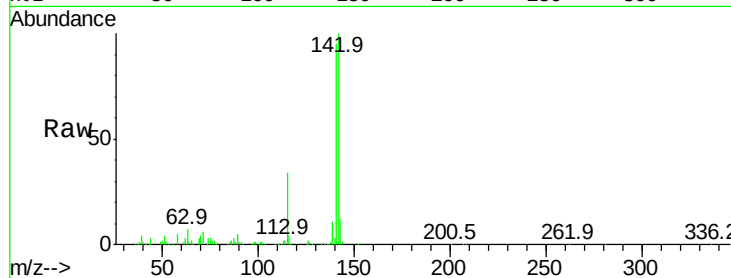
Tot Ion:142 Resp: 275290

Ion Ratio Lower Upper

142 100

141 95.0 79.3 118.9

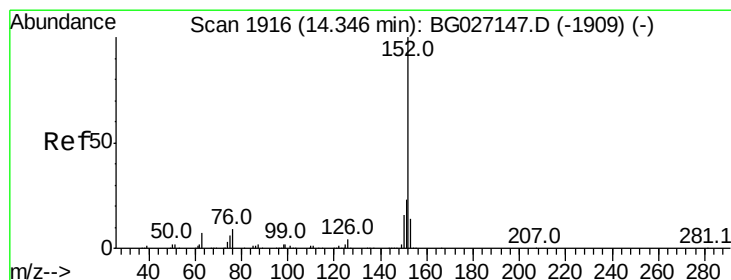
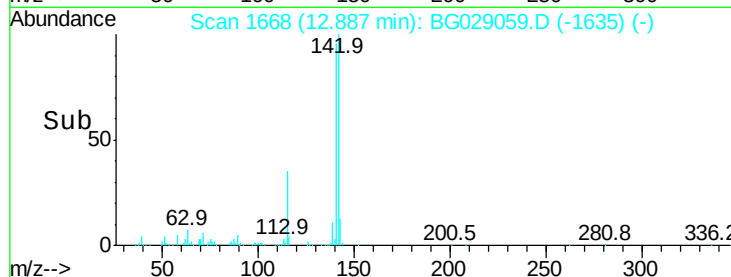
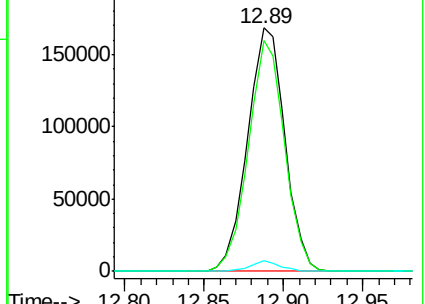
116 4.2 4.2 6.2



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: 20.211 ng/ul

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

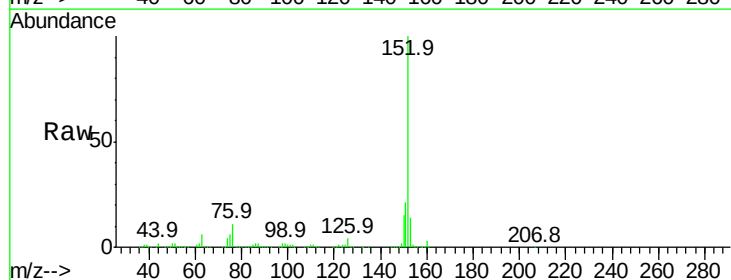
Tgt Ion:152 Resp: 479830

Ion Ratio Lower Upper

152 100

151 21.2 16.7 25.1

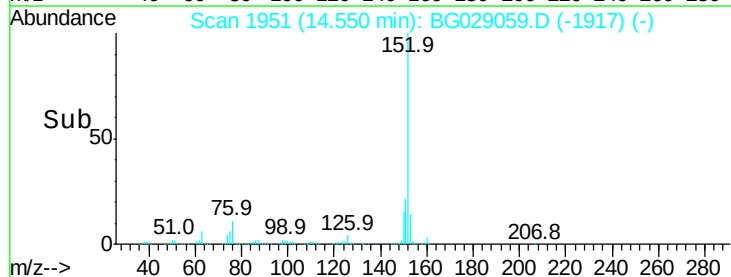
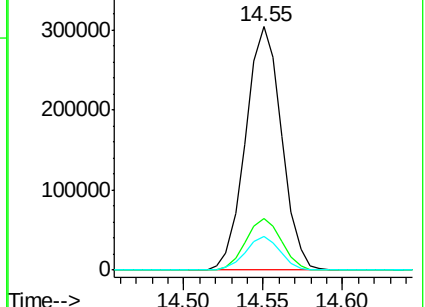
153 14.0 10.2 15.4

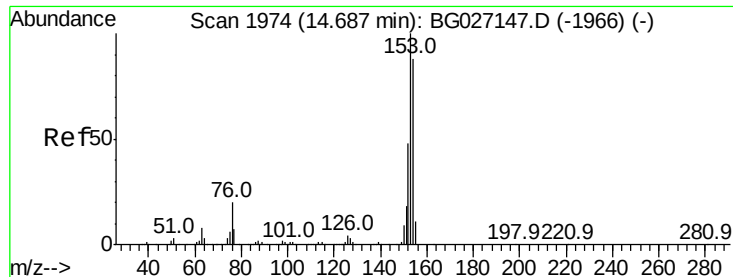


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.098 ng/ul

RT: 14.89 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Instrument :

BNA_G

ClientSampled :

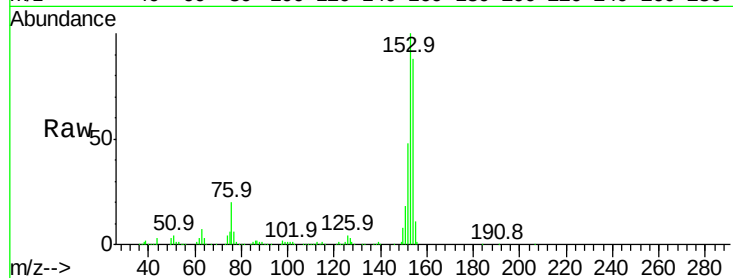
Tot Ion:153 Resp: 324744

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

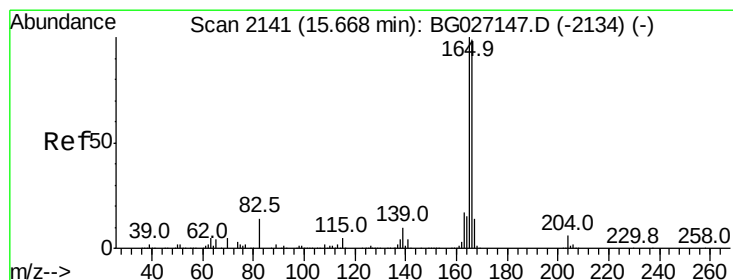
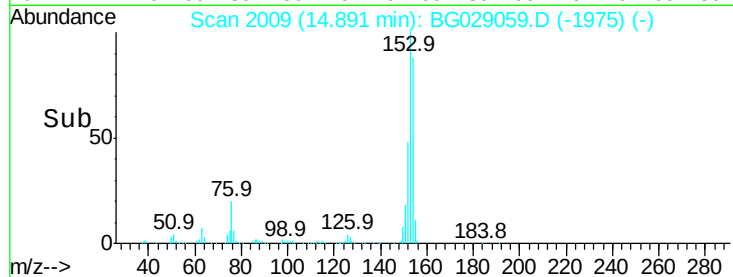
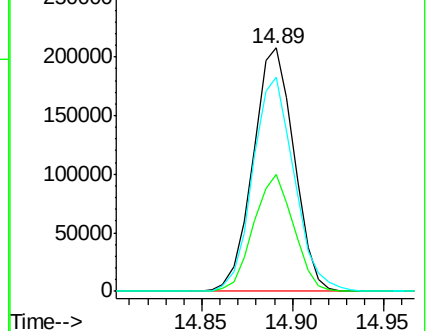
154 87.7 66.8 100.2



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: 20.413 ng/ul

RT: 15.87 min Scan# 2175

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

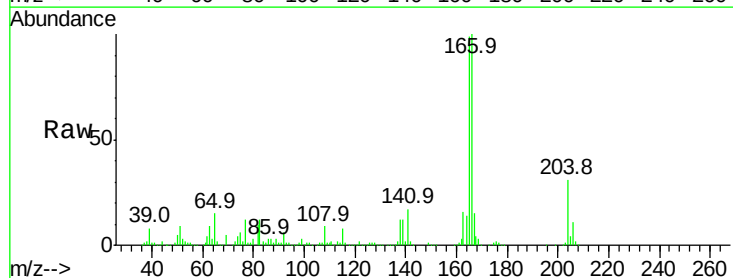
Tgt Ion:166 Resp: 386022

Ion Ratio Lower Upper

166 100

165 98.7 83.8 125.8

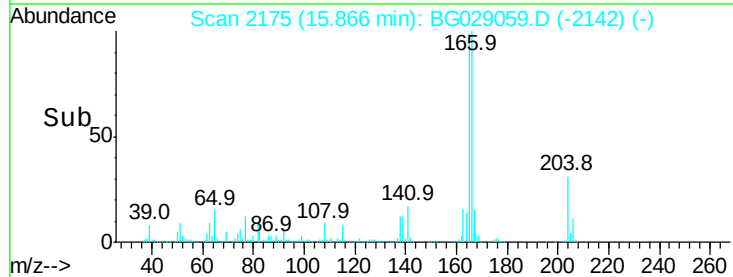
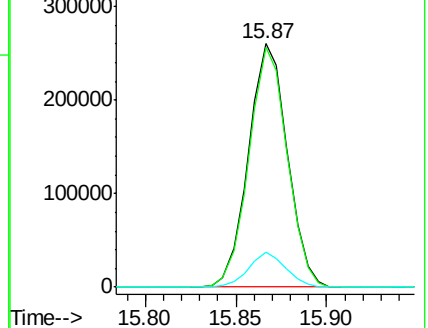
167 14.6 11.5 17.3

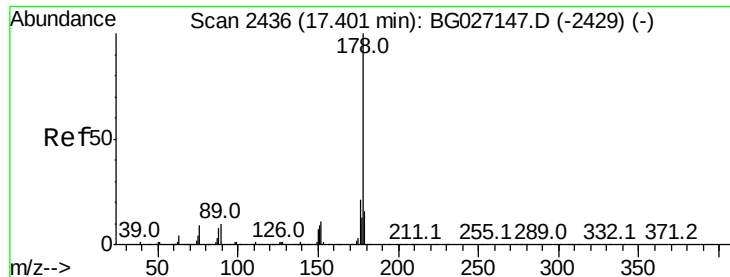


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.523 ng/ul

RT: 17.61 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

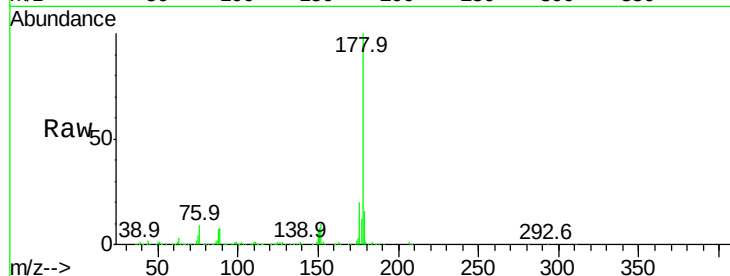
Instrument :

BNA_G

ClientSampled :

Tot Ion:178 Resp: 616236

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	20.2	15.1	22.7

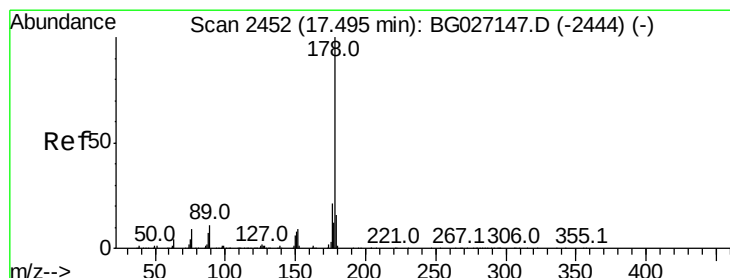
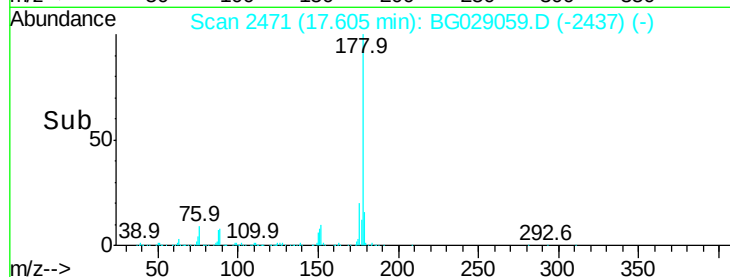
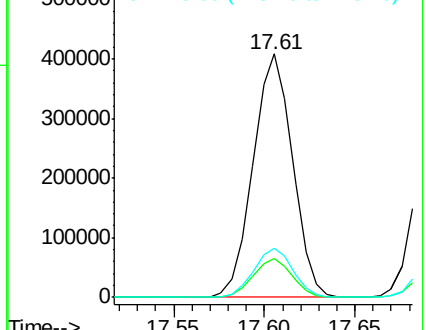


Abundance

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: 20.631 ng/ul

RT: 17.69 min Scan# 2486

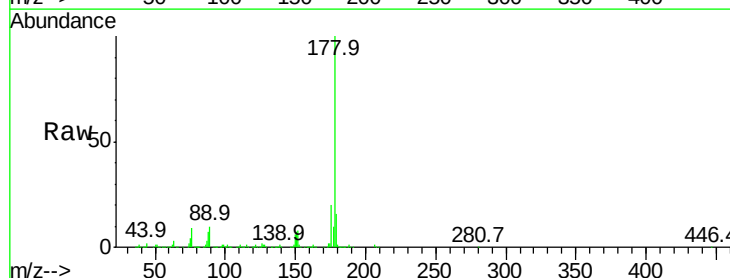
Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Tgt Ion:178 Resp: 633784

Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.8	17.8
176	19.5	15.2	22.8

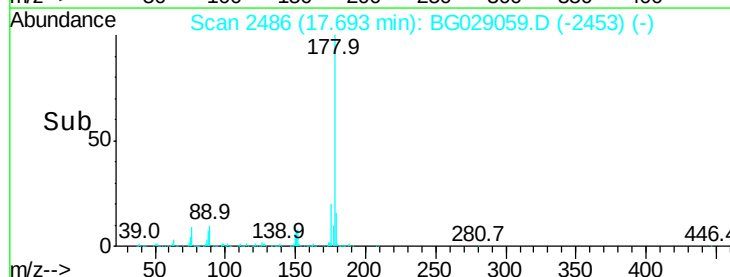
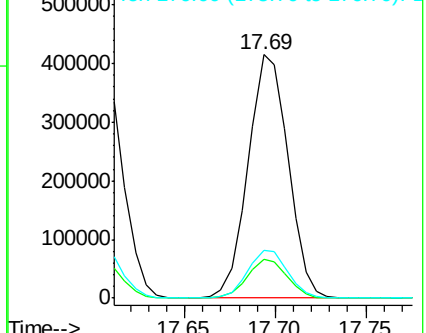


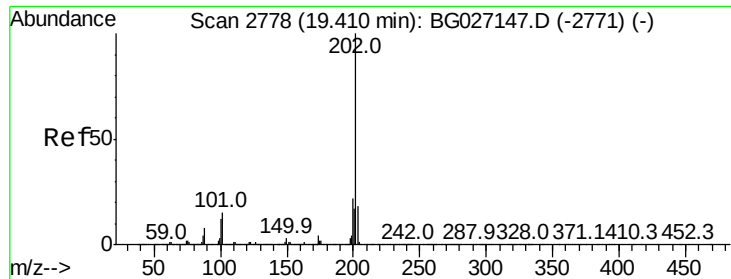
Abundance

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

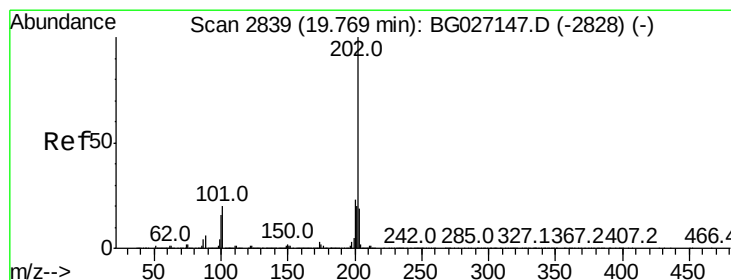
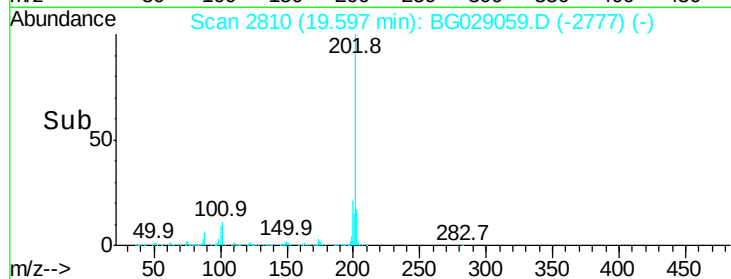
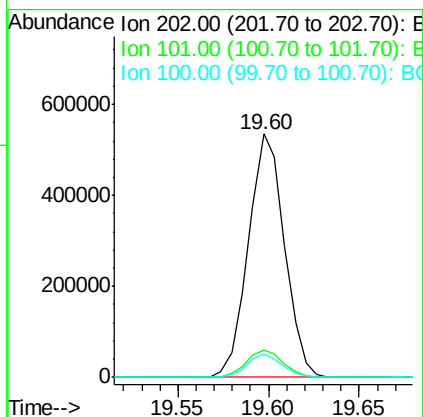
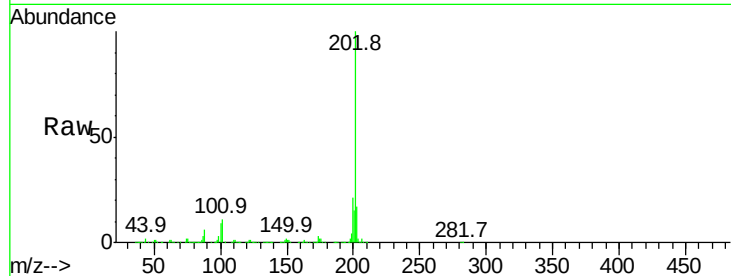




#16
Fluoranthene
Concen: 20.955 ng/ul
RT: 19.60 min Scan# 2810
Delta R.T. -0.01 min
Lab File: BG029059.D
Acq: 7 Oct 2017 22:43

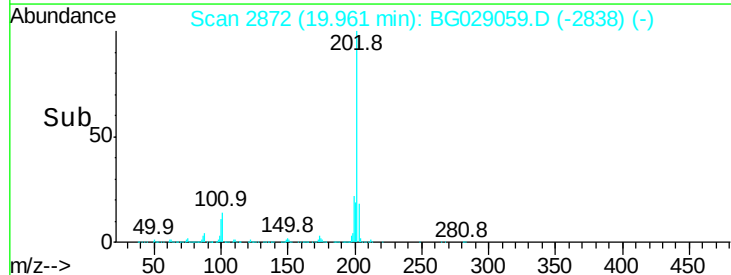
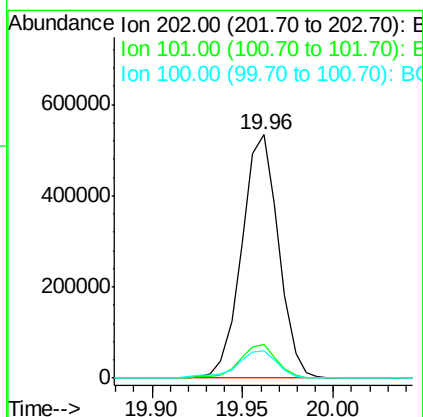
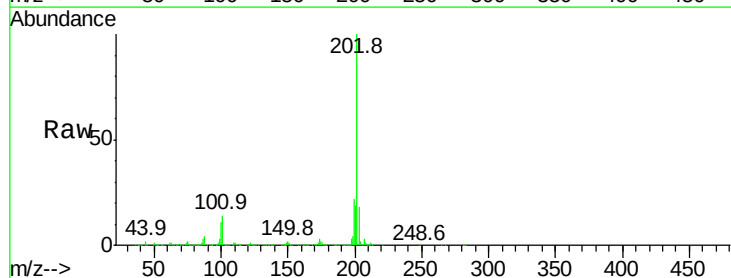
Instrument :
BNA_G
ClientSampleId :

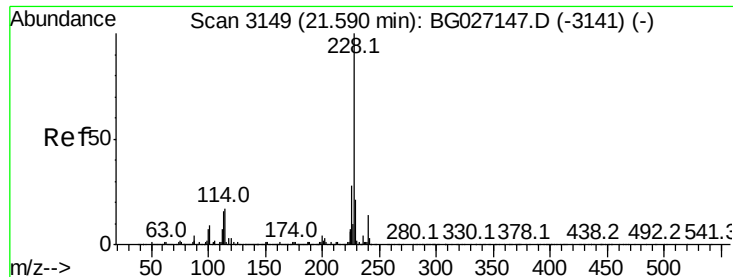
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.9	14.9
100	9.4	7.4	11.0



#19
Pyrene
Concen: 21.709 ng/ul
RT: 19.96 min Scan# 2872
Delta R.T. -0.00 min
Lab File: BG029059.D
Acq: 7 Oct 2017 22:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	11.0	16.4
100	11.2	8.1	12.1





#20

Benzo(a)anthracene

Concen: 21.689 ng/ul

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Instrument :

BNA_G

ClientSampled :

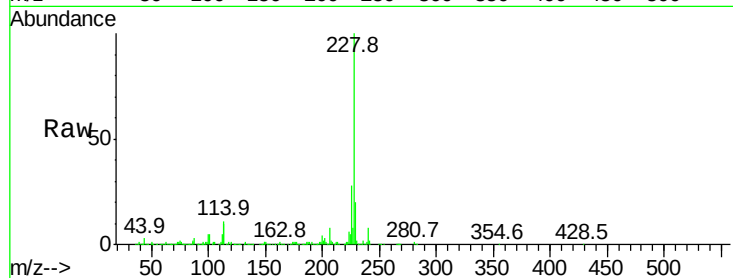
Tot Ion:228 Resp: 704583

Ion Ratio Lower Upper

228 100

229 20.4 15.7 23.5

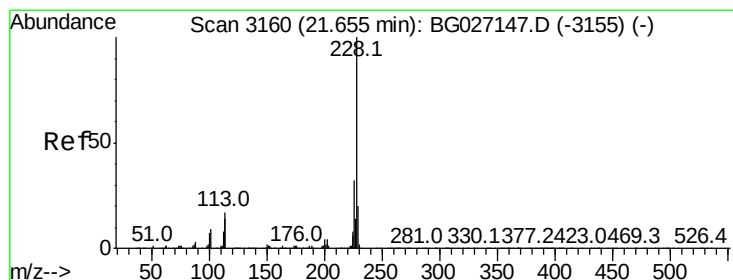
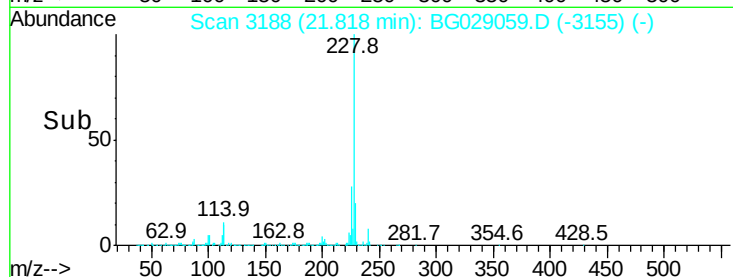
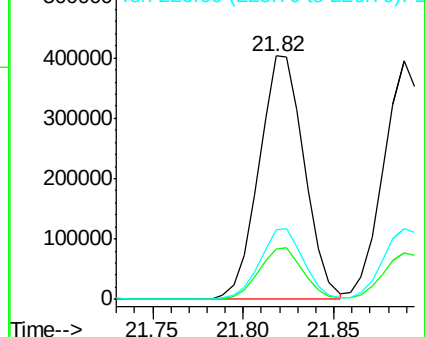
226 28.4 21.1 31.7



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: 21.816 ng/ul

RT: 21.89 min Scan# 3200

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

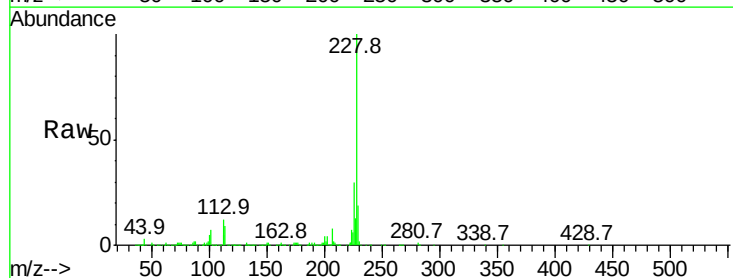
Tgt Ion:228 Resp: 648939

Ion Ratio Lower Upper

228 100

226 29.6 24.5 36.7

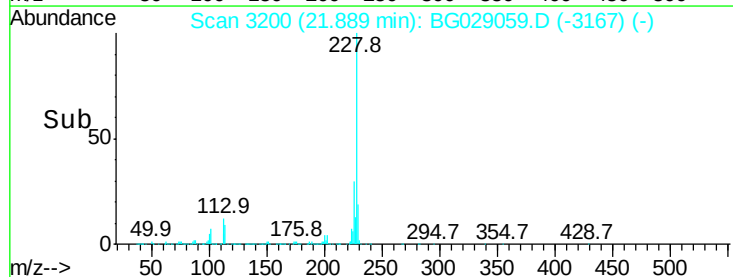
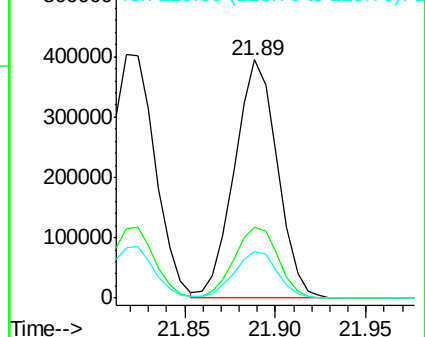
229 19.5 15.8 23.8

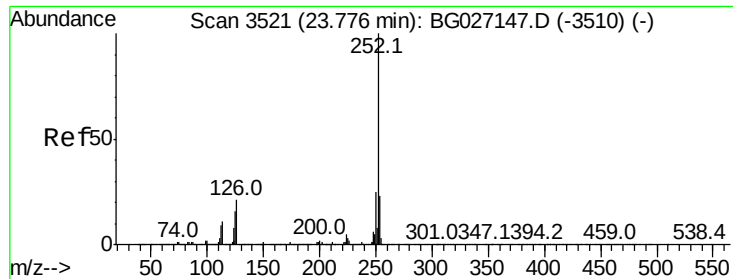


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.956 ng/ul

RT: 24.12 min Scan# 3580

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Instrument :

BNA_G

ClientSampleId :

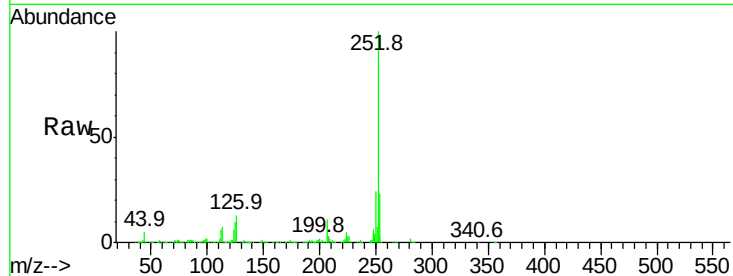
Tot Ion:252 Resp: 672544

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

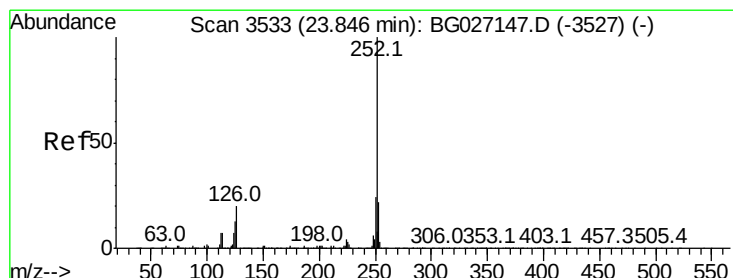
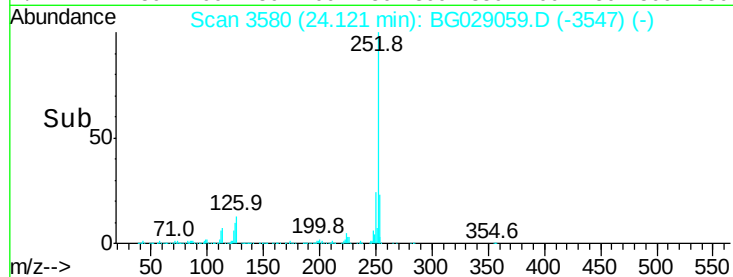
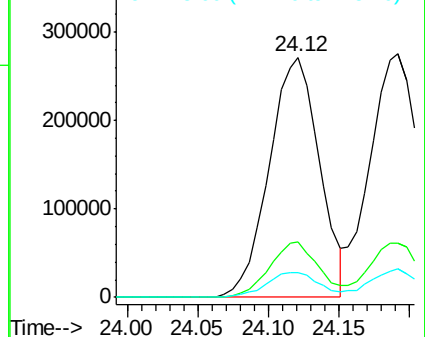
125 10.5 8.0 12.0



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: 21.506 ng/ul

RT: 24.19 min Scan# 3592

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

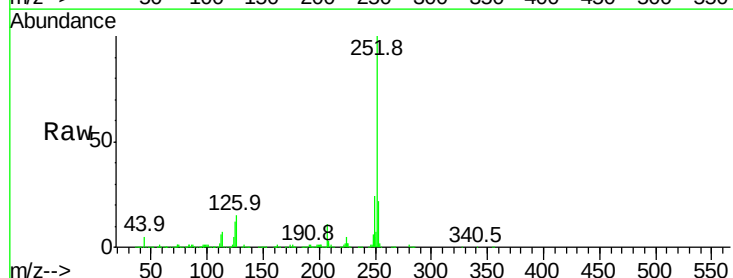
Tgt Ion:252 Resp: 673645

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

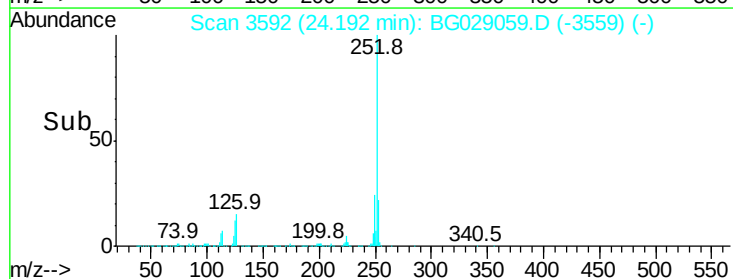
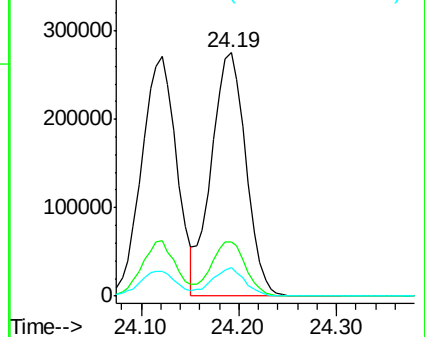
125 11.7 8.1 12.1

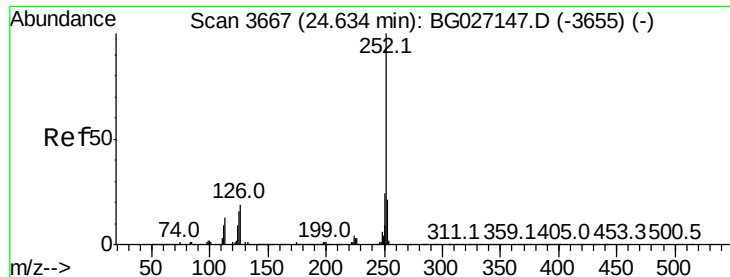


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 21.339 ng/ul

RT: 25.03 min Scan# 3734

Delta R.T. -0.01 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

Instrument :

BNA_G

ClientSampleId :

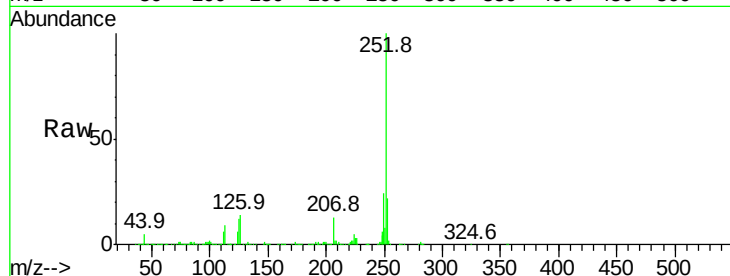
Tot Ion:252 Resp: 665191

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

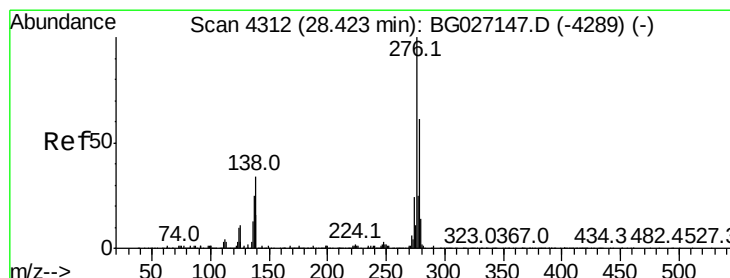
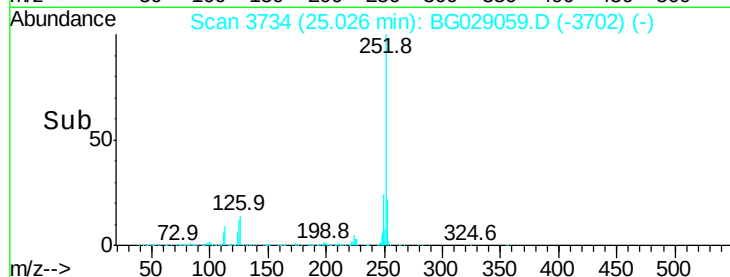
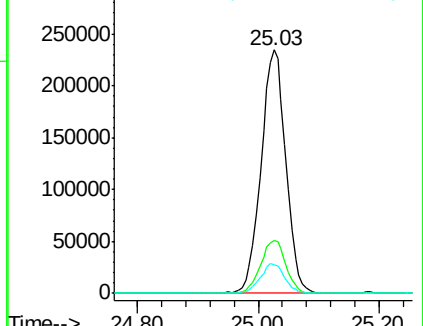
125 11.7 8.2 12.4



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: 21.066 ng/ul

RT: 29.00 min Scan# 4410

Delta R.T. -0.02 min

Lab File: BG029059.D

Acq: 7 Oct 2017 22:43

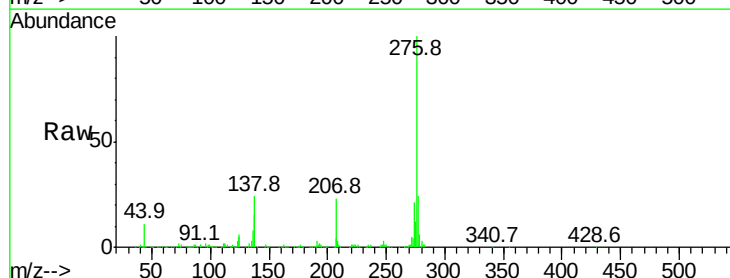
Tgt Ion:276 Resp: 745295

Ion Ratio Lower Upper

276 100

138 23.7 14.4 21.6#

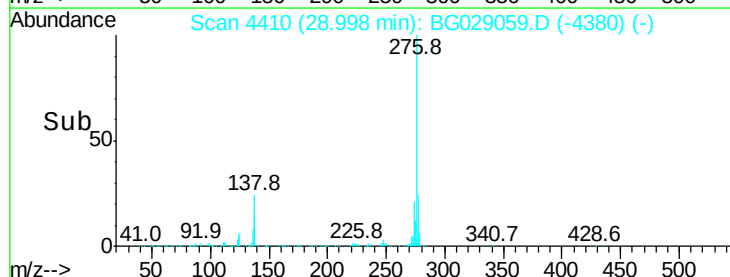
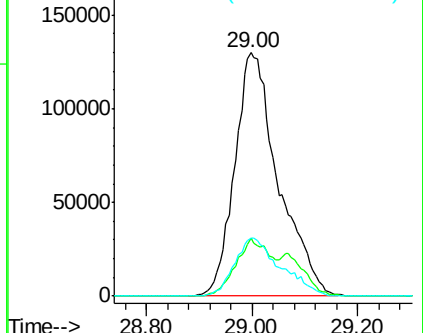
277 23.7 18.0 27.0

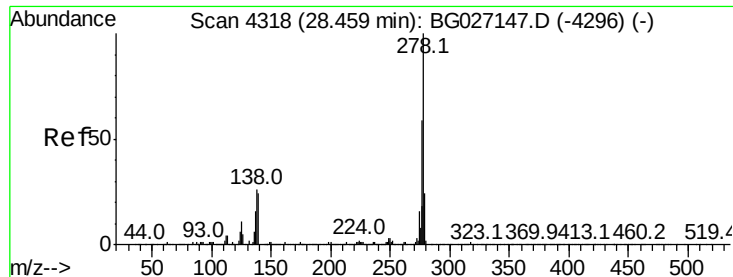


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

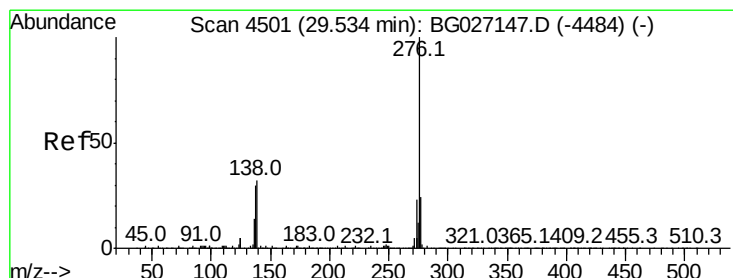
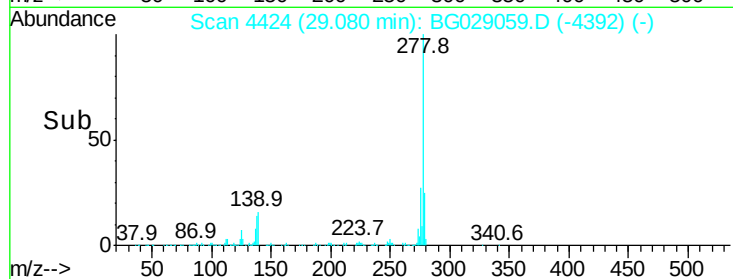
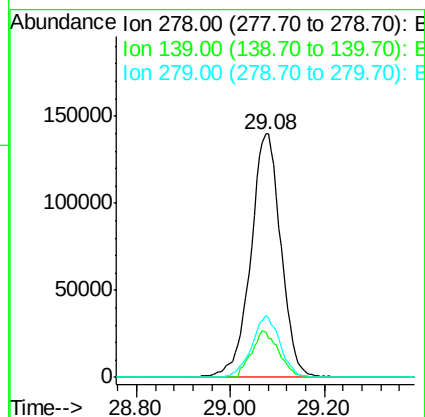
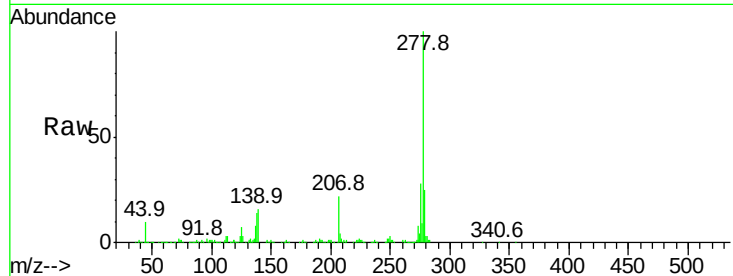




#28
Dibenzo(a,h)anthracene
Concen: 21.277 ng/ul
RT: 29.08 min Scan# 4424
Delta R.T. -0.01 min
Lab File: BG029059.D
Acq: 7 Oct 2017 22:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 623266
Ion Ratio Lower Upper
278 100
139 16.1 12.2 18.4
279 24.6 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 21.226 ng/ul
RT: 30.20 min Scan# 4614
Delta R.T. -0.01 min
Lab File: BG029059.D
Acq: 7 Oct 2017 22:43

Tgt Ion:276 Resp: 619243
Ion Ratio Lower Upper
276 100
138 21.8 15.3 22.9
277 22.9 19.0 28.4

