

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
 Data File : BG029100.D
 Acq On : 9 Oct 2017 8:18
 Operator : SJ/JU
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 09 09:20:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 09 08:00:20 2017
 Response via : Initial Calibration

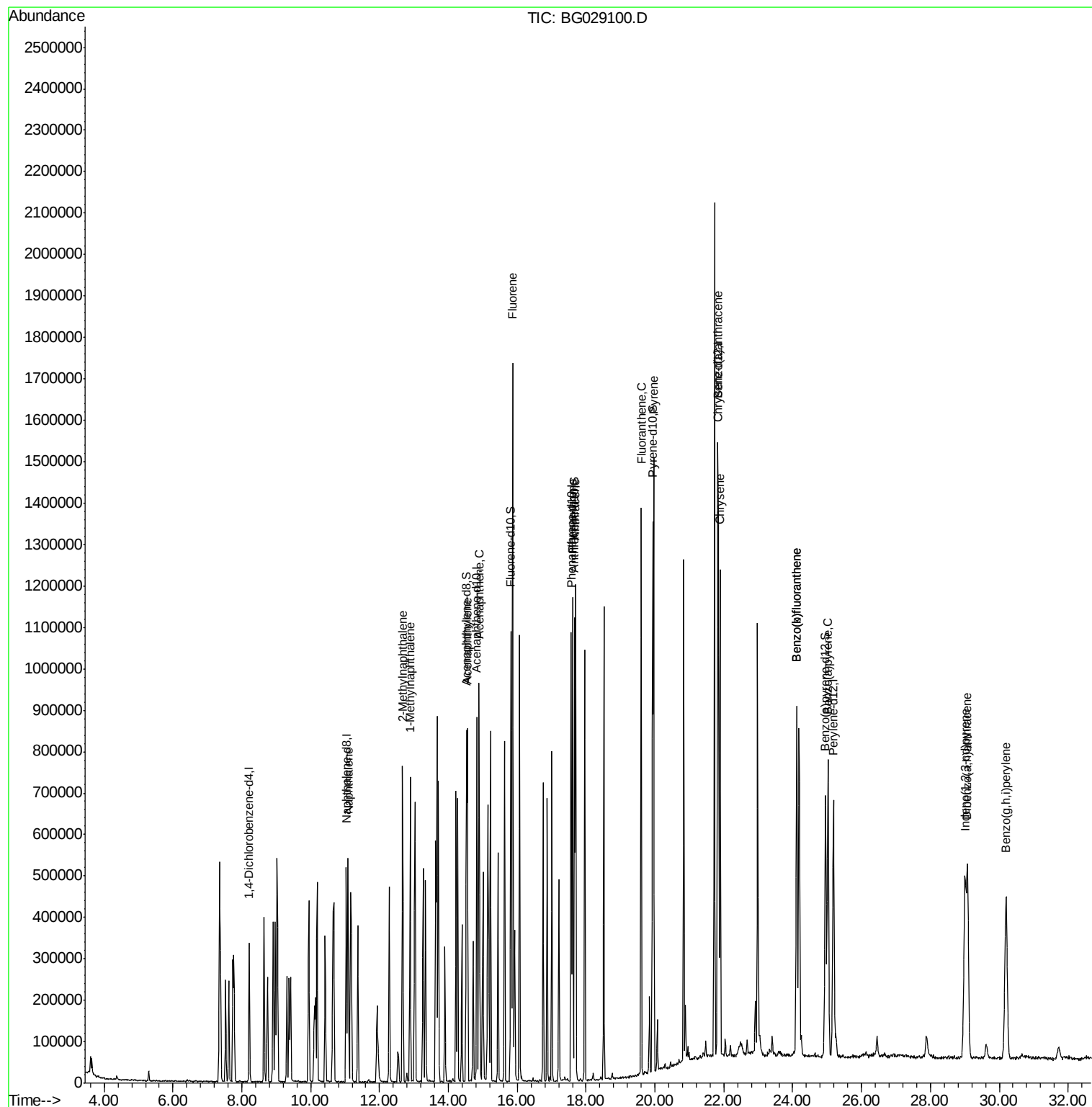
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	100161	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	461917	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	302079	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	678539	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	643073	20.00	ng/ul	0.00
22) Perylene-d12	25.19	264	648422	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	646602	20.58	ng/ul	0.00
10) Fluorene-d10	15.81	176	461646	20.26	ng/ul	0.00
14) Anthracene-d10	17.66	188	673117	20.48	ng/ul	0.00
18) Pyrene-d10	19.93	212	708171	21.52	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.95	264	643827	20.73	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.08	128	490868	20.413	ng/ul	98
4) 2-Methylnaphthalene	12.67	142	377917	20.706	ng/ul	99
5) 1-Methylnaphthalene	12.89	142	357923	20.548	ng/ul#	99
8) Acenaphthylene	14.55	152	620727	20.522	ng/ul	99
9) Acenaphthene	14.89	153	419715	20.388	ng/ul	97
11) Fluorene	15.87	166	486467	20.192	ng/ul	93
13) Phenanthrene	17.61	178	742556	20.517	ng/ul	98
15) Anthracene	17.69	178	767501	20.728	ng/ul	98
16) Fluoranthene	19.60	202	856195	20.180	ng/ul	98
19) Pyrene	19.96	202	859749	21.448	ng/ul	99
20) Benzo(a)anthracene	21.82	228	822128	21.708	ng/ul	97
21) Chrysene	21.89	228	751931	21.683	ng/ul	99
23) Benzo(b)fluoranthene	24.12	252	829347	21.380	ng/ul	98
24) Benzo(k)fluoranthene	24.12	252	829347	21.906	ng/ul	98
26) Benzo(a)pyrene	25.03	252	776501	20.609	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	29.00	276	888131	20.769	ng/ul#	93
28) Dibenzo(a,h)anthracene	29.08	278	740838	20.924	ng/ul	98
29) Benzo(g,h,i)perylene	30.20	276	744126	21.103	ng/ul#	94

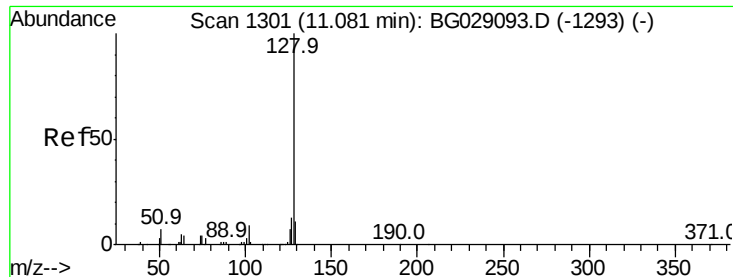
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
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ALS Vial : 2 Sample Multiplier: 1

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BNA_G
ClientSampleId :

Quant Time: Oct 09 09:20:26 2017
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QLast Update : Mon Oct 09 08:00:20 2017
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#3

Naphthalene

Concen: 20.413 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

Instrument :

BNA_G

ClientSampleId :

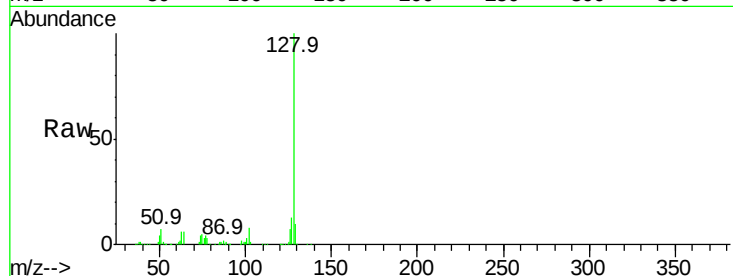
Tot Ion:128 Resp: 490868

Ion Ratio Lower Upper

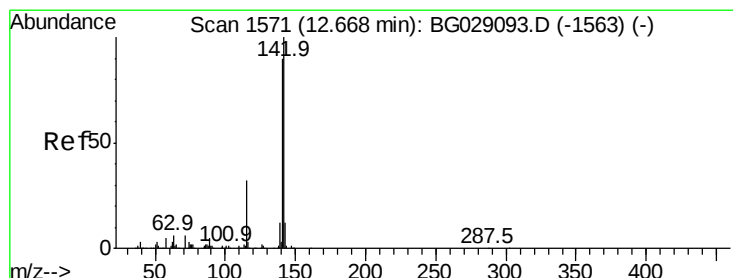
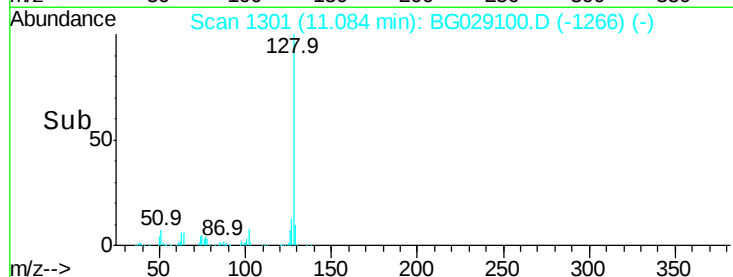
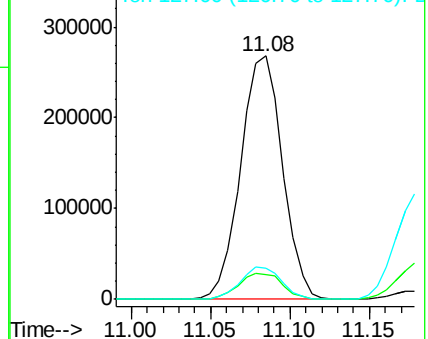
128 100

129 10.3 8.7 13.1

127 12.7 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: 20.706 ng/ul

RT: 12.67 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BG029100.D

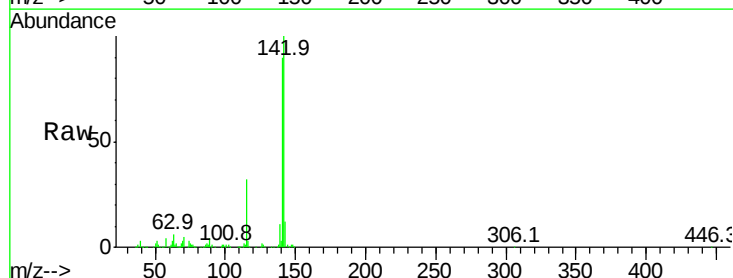
Acq: 9 Oct 2017 8:18

Tgt Ion:142 Resp: 377917

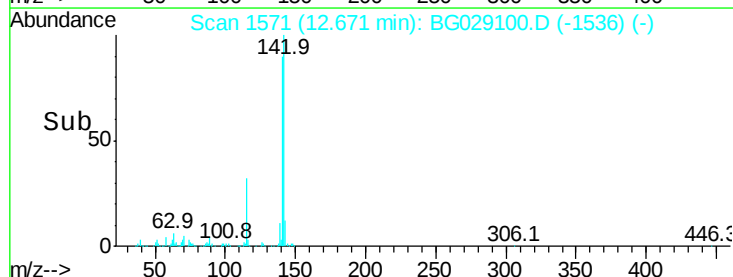
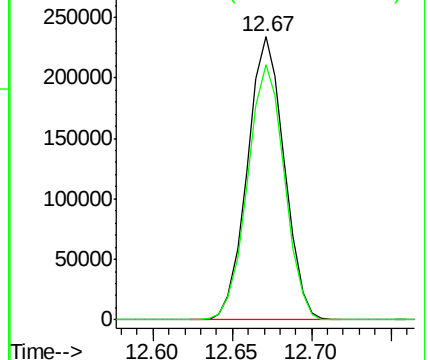
Ion Ratio Lower Upper

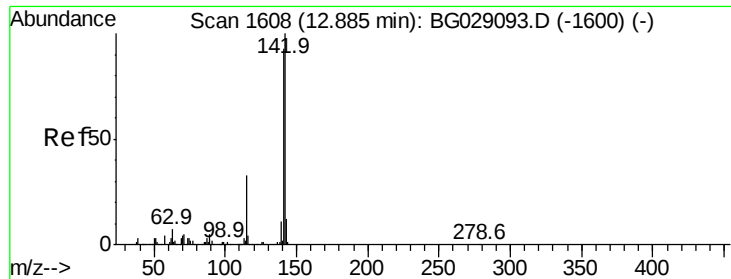
142 100

141 90.2 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: 20.548 ng/ul

RT: 12.89 min Scan# 1608

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

Instrument :

BNA_G

ClientSampled :

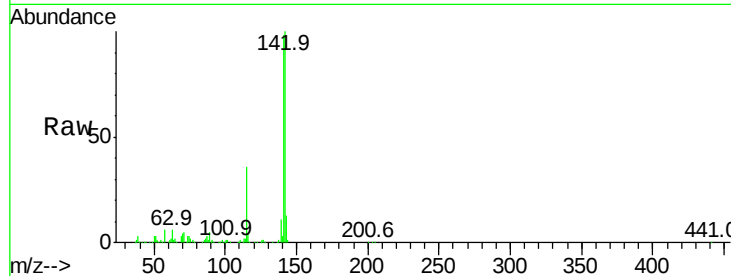
Tot Ion:142 Resp: 357923

Ion Ratio Lower Upper

142 100

141 98.4 79.3 118.9

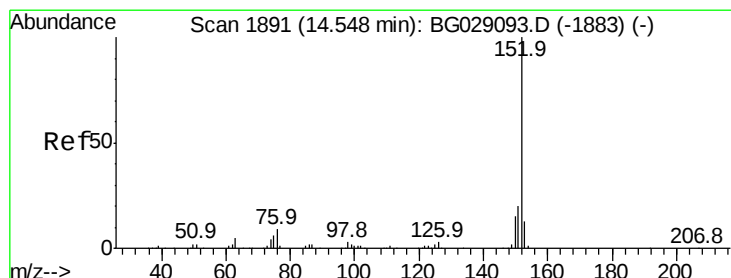
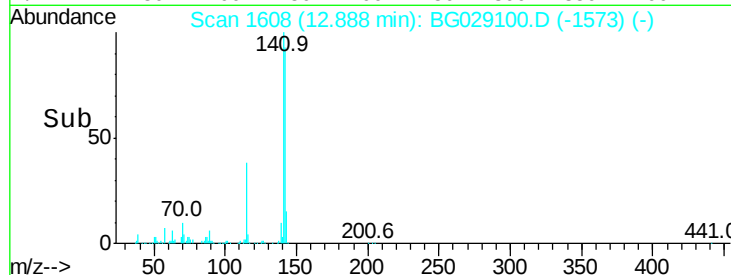
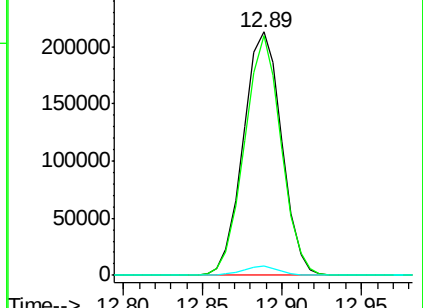
116 3.7 4.2 6.2#



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: 20.522 ng/ul

RT: 14.55 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

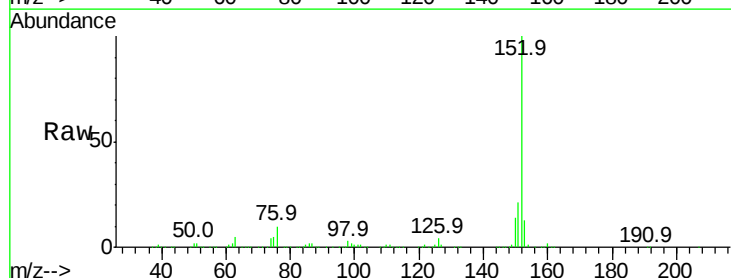
Tgt Ion:152 Resp: 620727

Ion Ratio Lower Upper

152 100

151 21.1 16.7 25.1

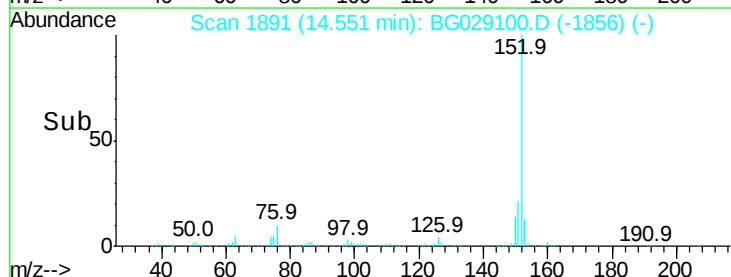
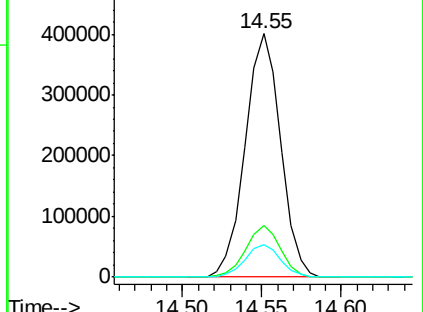
153 13.3 10.2 15.4

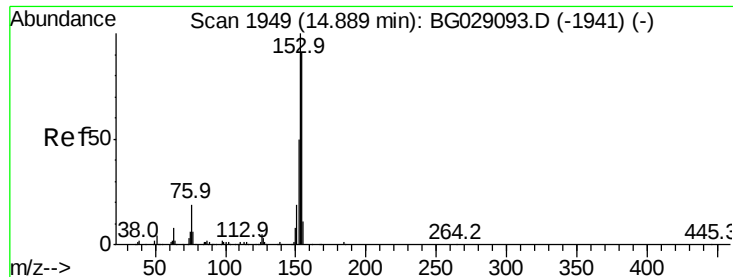


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.388 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

Instrument :

BNA_G

ClientSampleId :

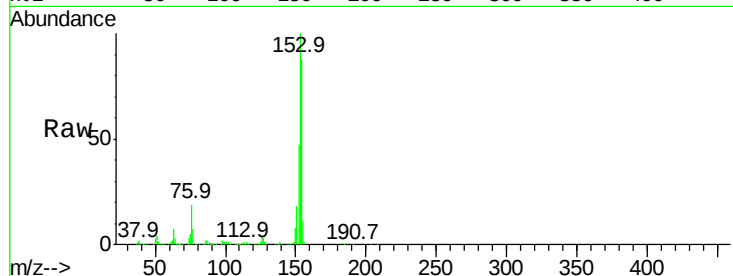
Tot Ion:153 Resp: 419715

Ion Ratio Lower Upper

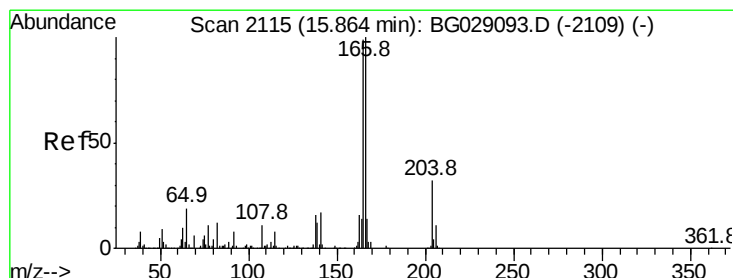
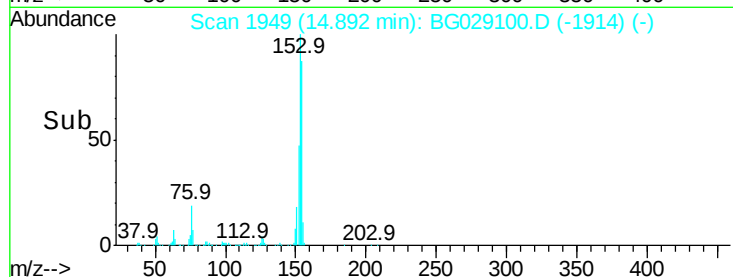
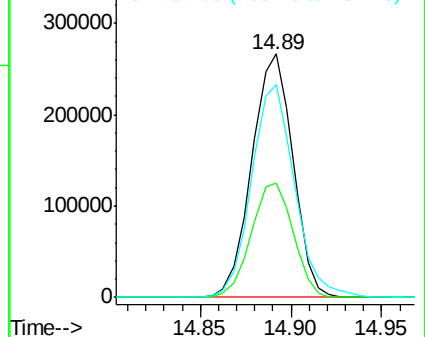
153 100

152 47.2 39.0 58.6

154 87.2 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: 20.192 ng/ul

RT: 15.87 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

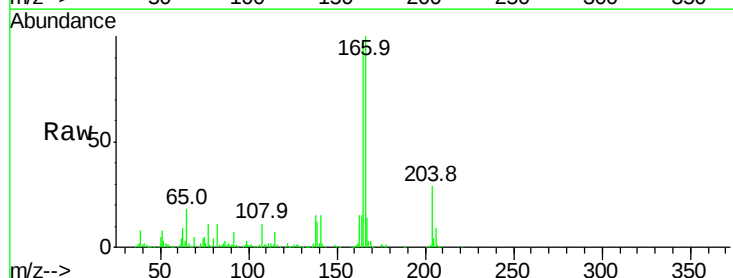
Tgt Ion:166 Resp: 486467

Ion Ratio Lower Upper

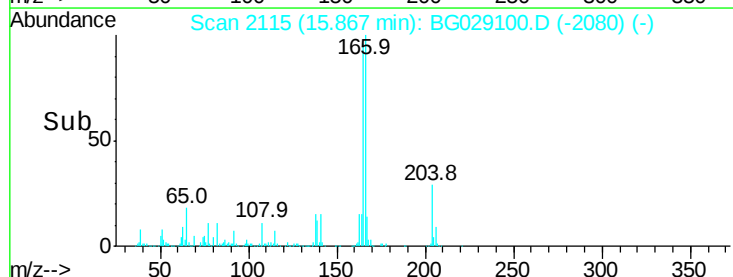
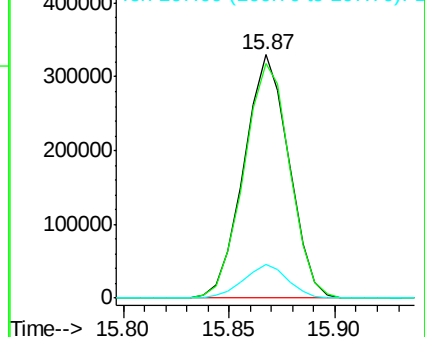
166 100

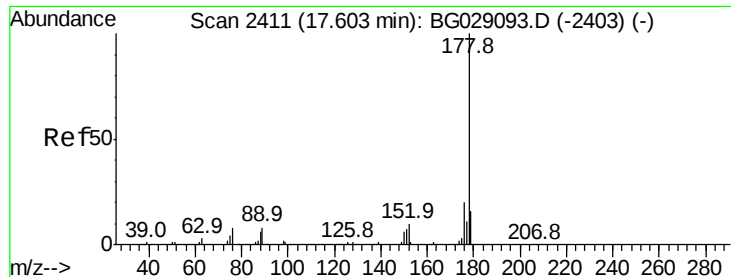
165 96.3 83.8 125.8

167 13.7 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: 20.517 ng/ul

RT: 17.61 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

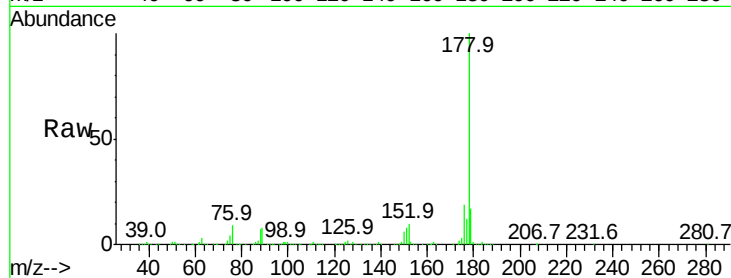
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 742556

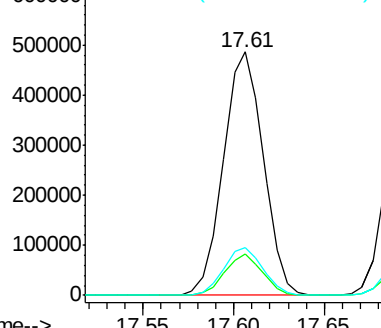
Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.3	18.5
176	19.5	15.1	22.7



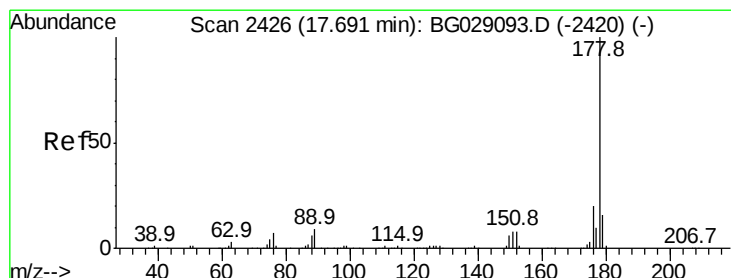
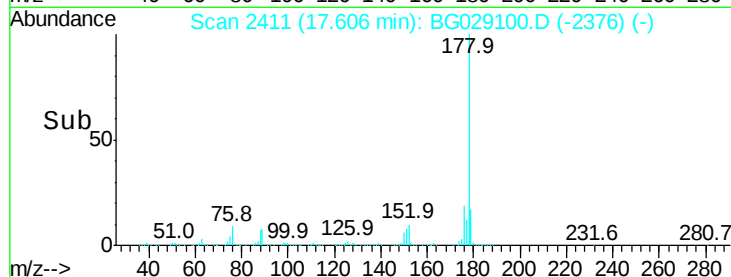
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#15

Anthracene

Concen: 20.728 ng/ul

RT: 17.69 min Scan# 2426

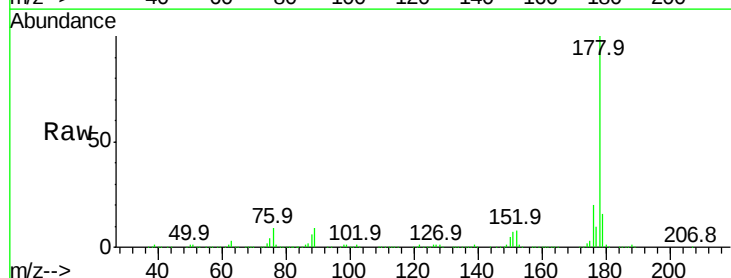
Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

Tgt Ion:178 Resp: 767501

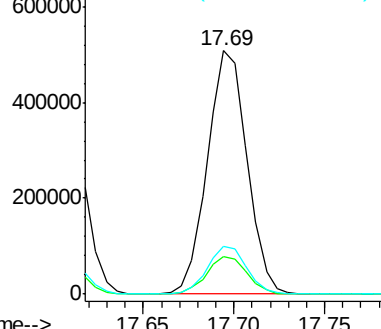
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.8	17.8
176	19.6	15.2	22.8



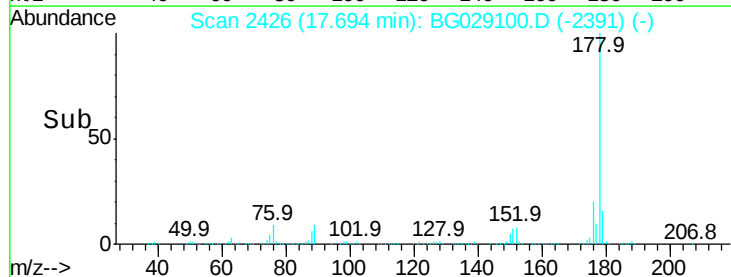
Abundance Ion 178.00 (177.70 to 178.70): E

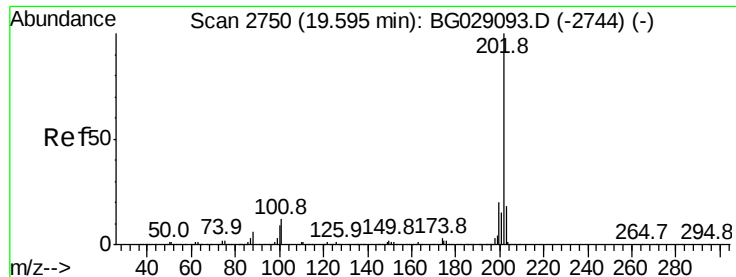
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

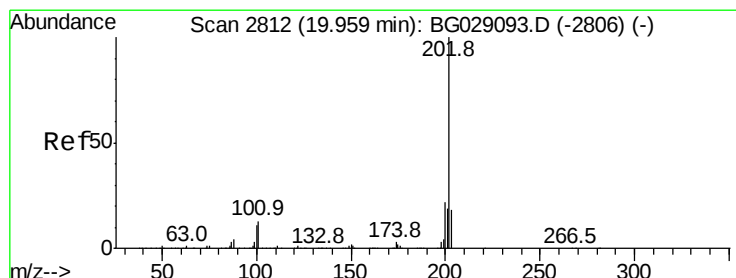
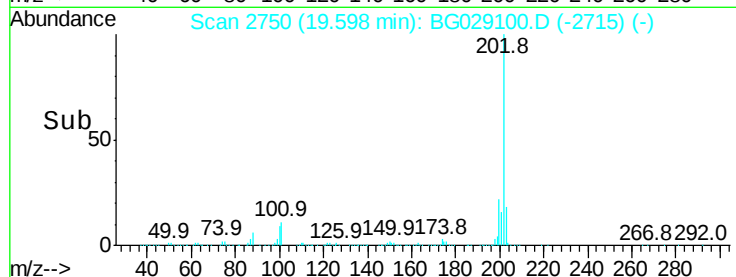
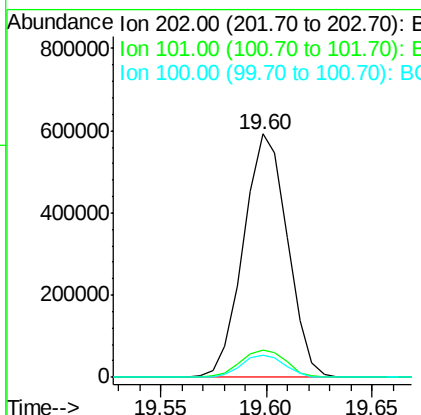
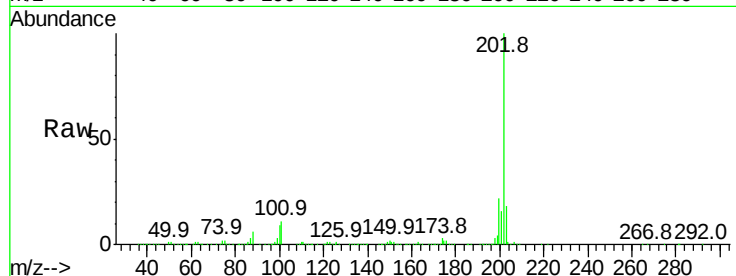




#16
 Fluoranthene
 Concen: 20.180 ng/ul
 RT: 19.60 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: BG029100.D
 Acq: 9 Oct 2017 8:18

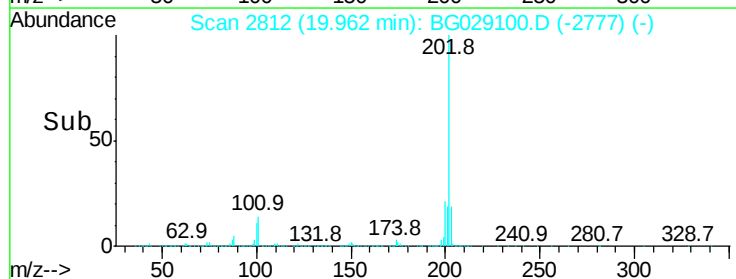
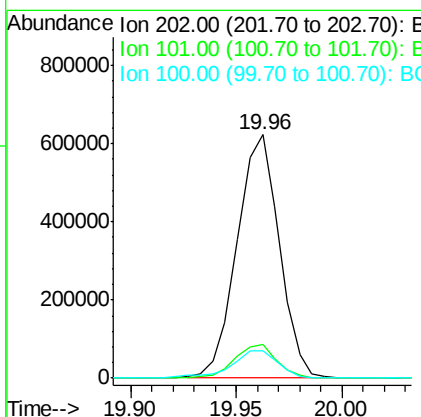
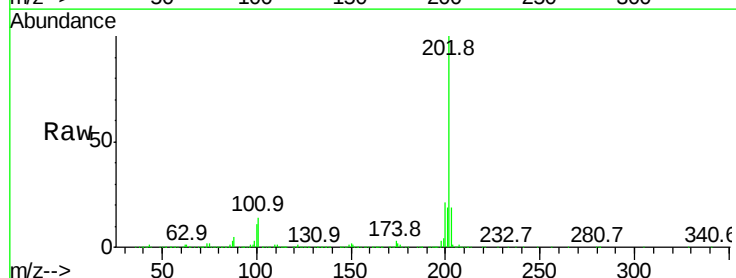
Instrument :
 BNA_G
 ClientSampleId :

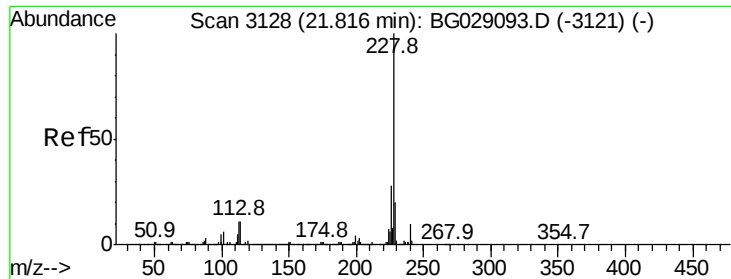
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.9	14.9
100	9.3	7.4	11.0



#19
 Pyrene
 Concen: 21.448 ng/ul
 RT: 19.96 min Scan# 2812
 Delta R.T. 0.00 min
 Lab File: BG029100.D
 Acq: 9 Oct 2017 8:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	11.0	16.4
100	11.3	8.1	12.1

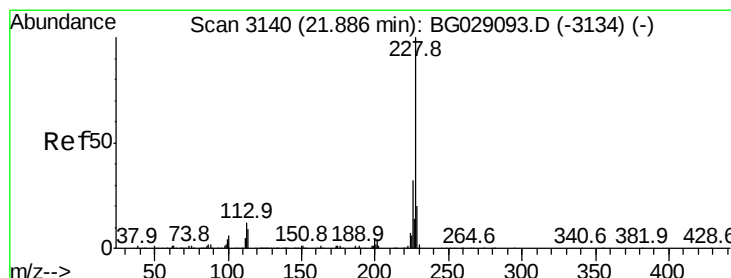
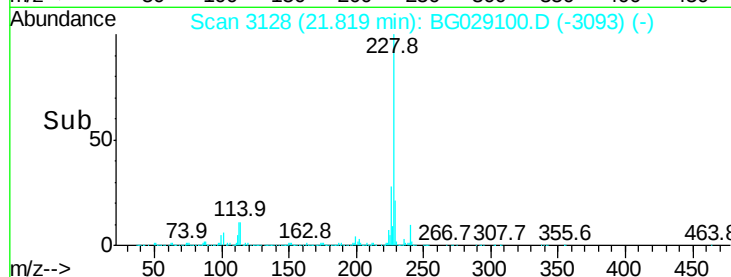
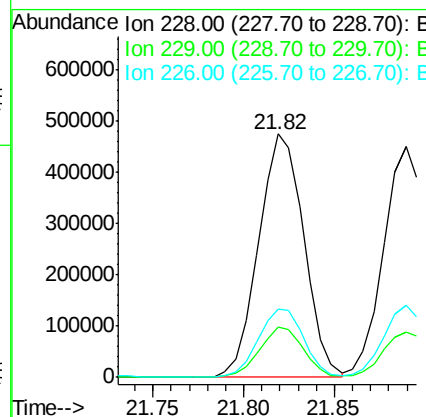
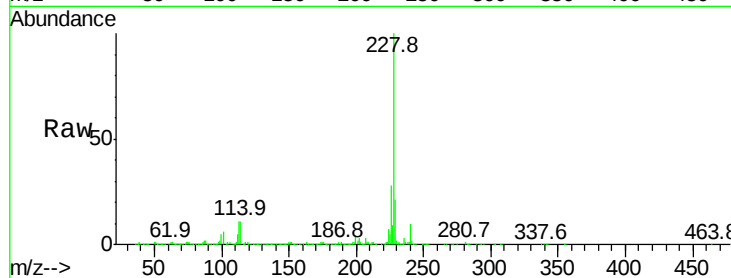




#20
Benzo(a)anthracene
Concen: 21.708 ng/ul
RT: 21.82 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BG029100.D
Acq: 9 Oct 2017 8:18

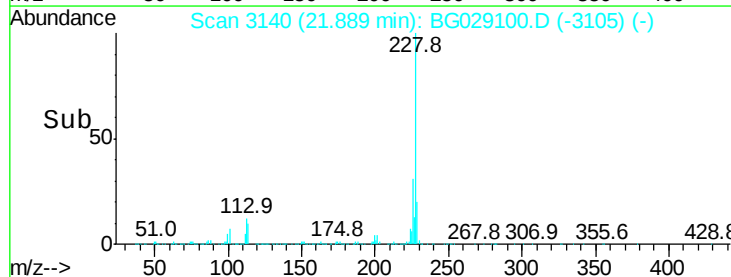
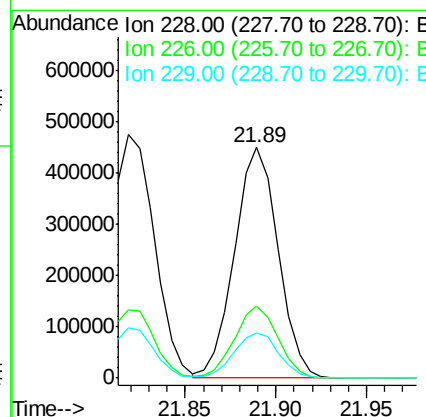
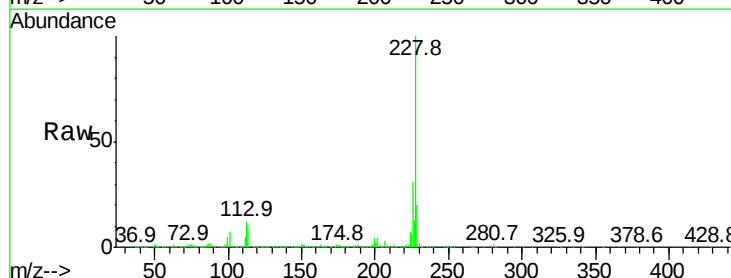
Instrument :
BNA_G
ClientSampleId :

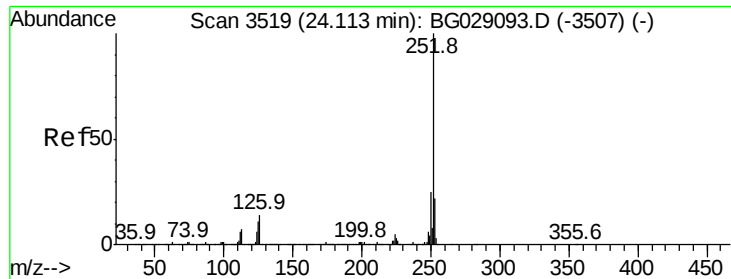
Tot Ion:228 Resp: 822128
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 28.1 21.1 31.7



#21
Chrysene
Concen: 21.683 ng/ul
RT: 21.89 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG029100.D
Acq: 9 Oct 2017 8:18

Tgt Ion:228 Resp: 751931
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 19.9 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 21.380 ng/ul

RT: 24.12 min Scan# 3519

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

Instrument :

BNA_G

ClientSampleId :

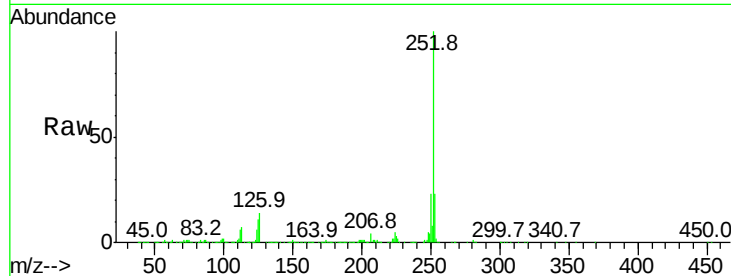
Tot Ion:252 Resp: 829347

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

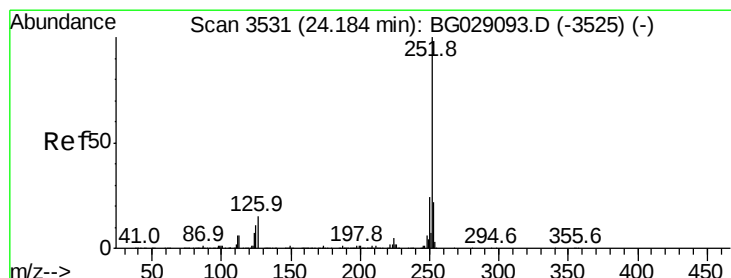
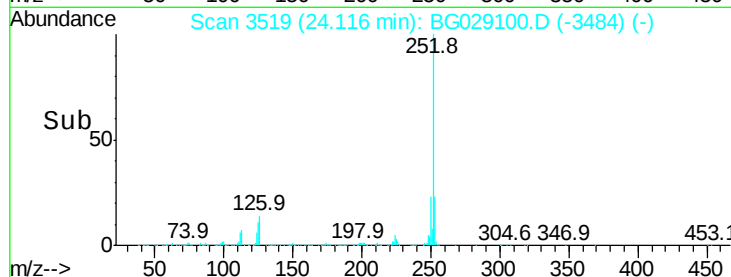
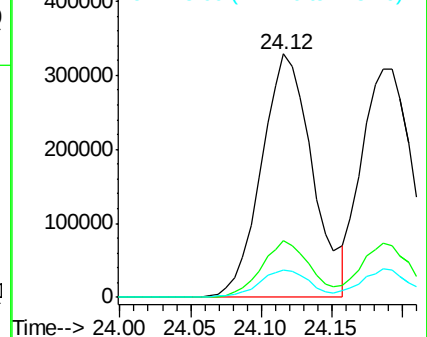
125 11.4 8.0 12.0



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: 21.906 ng/ul

RT: 24.12 min Scan# 3519

Delta R.T. -0.07 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

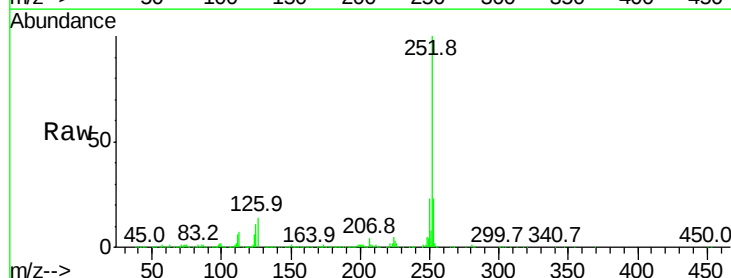
Tgt Ion:252 Resp: 829347

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

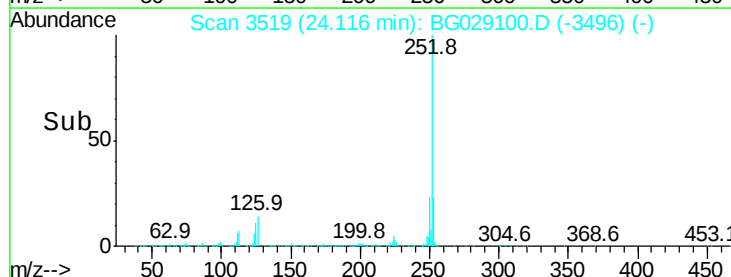
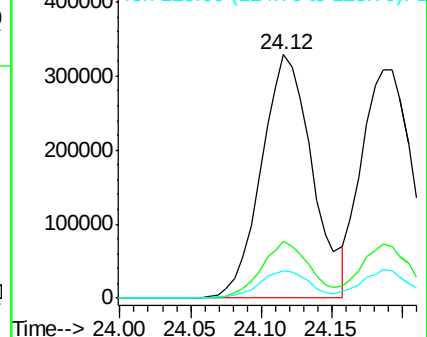
125 11.4 8.1 12.1

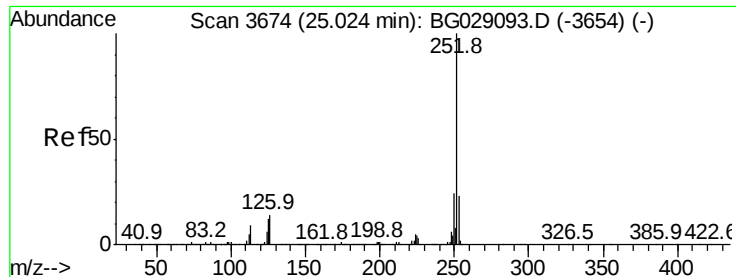


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.609 ng/ul

RT: 25.03 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

Instrument :

BNA_G

ClientSampleId :

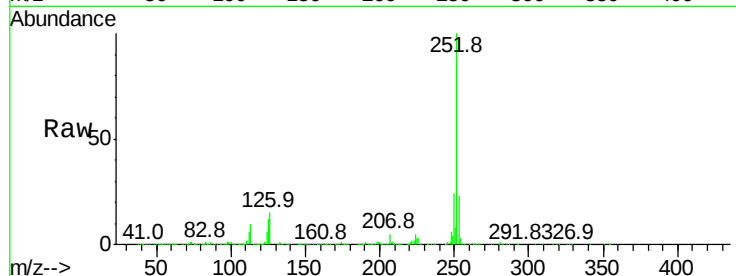
Tot Ion:252 Resp: 776501

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

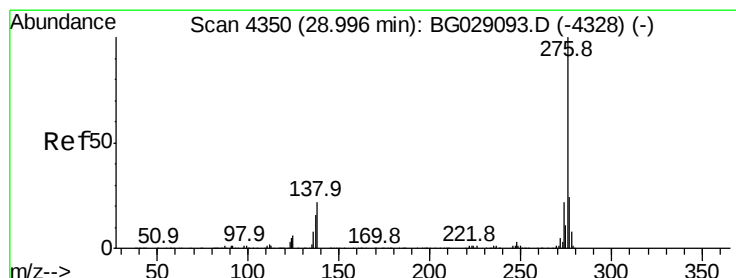
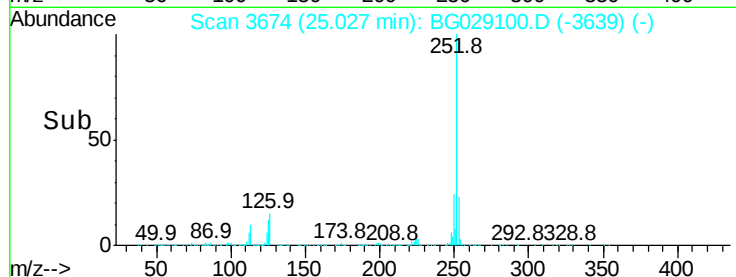
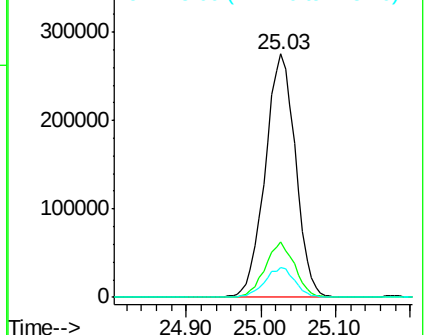
125 12.1 8.2 12.4



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: 20.769 ng/ul

RT: 29.00 min Scan# 4351

Delta R.T. 0.01 min

Lab File: BG029100.D

Acq: 9 Oct 2017 8:18

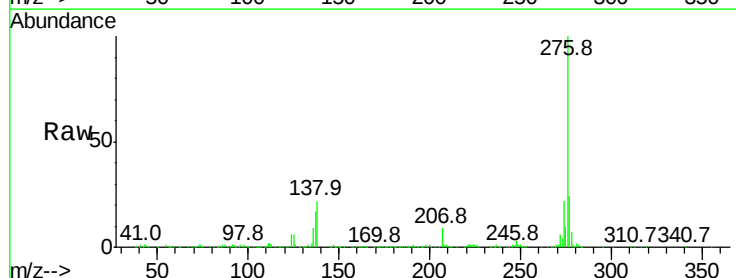
Tgt Ion:276 Resp: 888131

Ion Ratio Lower Upper

276 100

138 22.3 14.4 21.6#

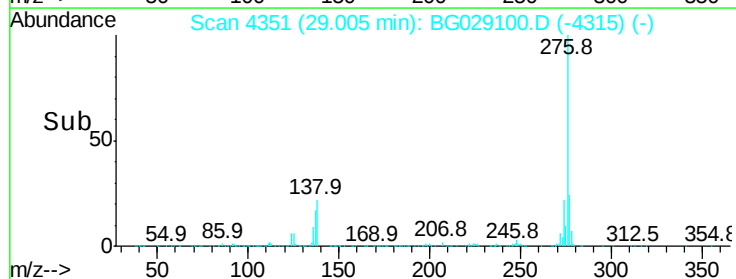
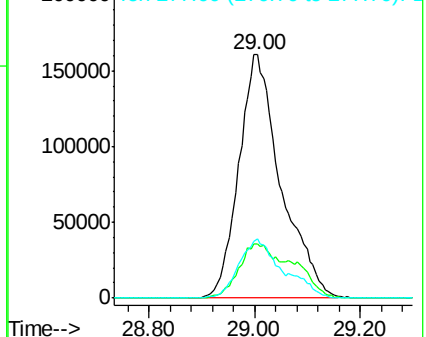
277 24.4 18.0 27.0

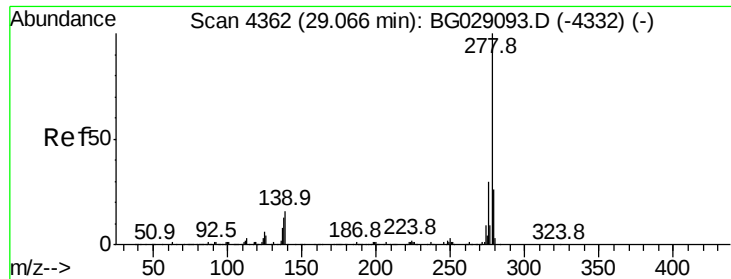


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

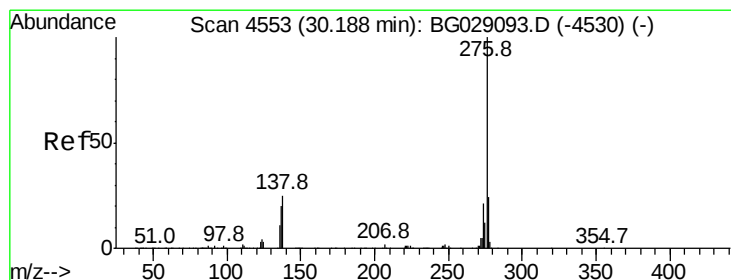
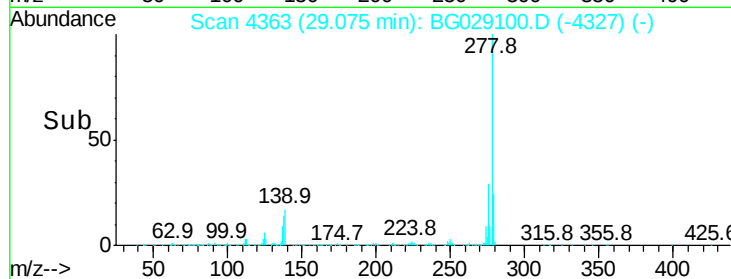
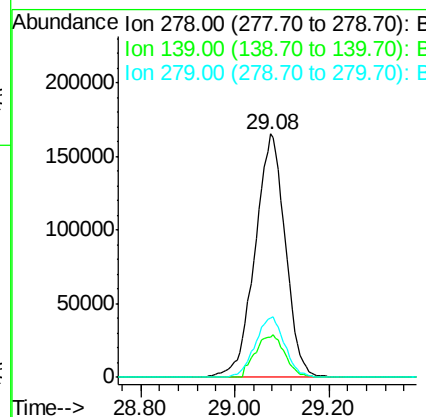
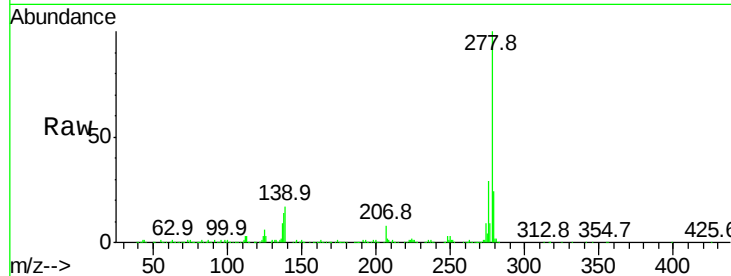




#28
Dibenzo(a,h)anthracene
Concen: 20.924 ng/ul
RT: 29.08 min Scan# 4363
Delta R.T. 0.01 min
Lab File: BG029100.D
Acq: 9 Oct 2017 8:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 740838
Ion Ratio Lower Upper
278 100
139 16.6 12.2 18.4
279 24.4 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 21.103 ng/ul
RT: 30.20 min Scan# 4554
Delta R.T. 0.01 min
Lab File: BG029100.D
Acq: 9 Oct 2017 8:18

Tgt Ion:276 Resp: 744126
Ion Ratio Lower Upper
276 100
138 24.2 15.3 22.9#
277 24.5 19.0 28.4

