

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100717\
 Data File : BG029052.D
 Acq On : 7 Oct 2017 17:22
 Operator : SJ/JU
 Sample : SSTDICV020
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 08 06:28:15 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

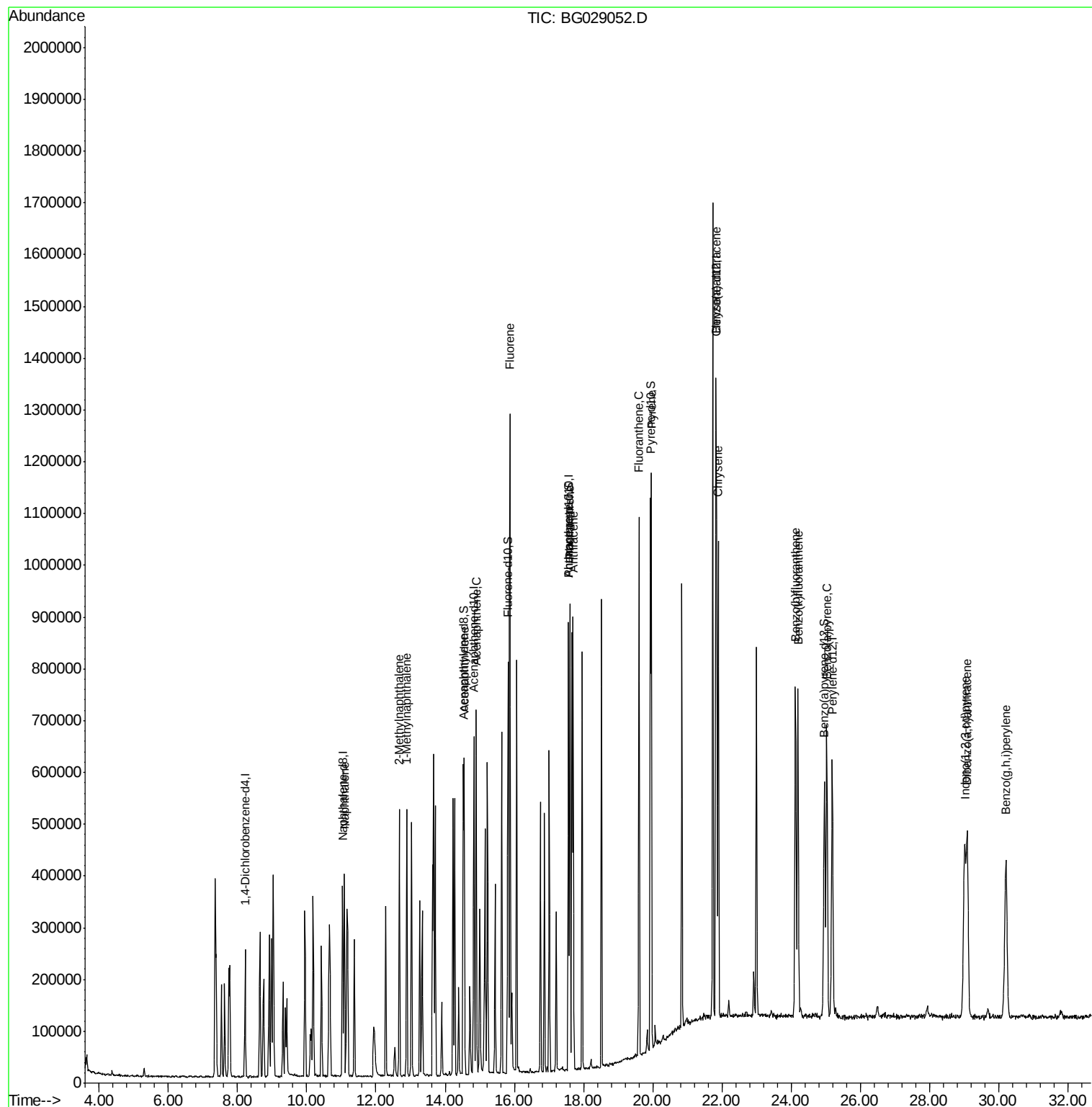
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	74720	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	333968	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	217658	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	523403	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	549991	20.00	ng/ul	0.00
22) Perylene-d12	25.19	264	516548	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	452417	19.99	ng/ul	0.00
10) Fluorene-d10	15.81	176	332021	20.22	ng/ul	0.00
14) Anthracene-d10	17.57	188	523611	20.65	ng/ul	-0.10
18) Pyrene-d10	19.93	212	552852	19.65	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.96	264	494703	19.99	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.09	128	345417	19.867	ng/ul	99
4) 2-Methylnaphthalene	12.68	142	261306	19.802	ng/ul	99
5) 1-Methylnaphthalene	12.89	142	250705	19.907	ng/ul#	96
8) Acenaphthylene	14.55	152	439751	20.177	ng/ul	99
9) Acenaphthene	14.89	153	292953	19.750	ng/ul	97
11) Fluorene	15.87	166	342016	19.702	ng/ul	97
13) Phenanthrene	17.61	178	563514	20.185	ng/ul	98
15) Anthracene	17.70	178	578009	20.237	ng/ul	98
16) Fluoranthene	19.60	202	668330	20.421	ng/ul	97
19) Pyrene	19.96	202	690546	20.142	ng/ul	98
20) Benzo(a)anthracene	21.83	228	656043	20.254	ng/ul	98
21) Chrysene	21.90	228	595121	20.065	ng/ul	100
23) Benzo(b)fluoranthene	24.12	252	641948	20.774	ng/ul	98
24) Benzo(k)fluoranthene	24.20	252	593759	19.687	ng/ul	99
26) Benzo(a)pyrene	25.03	252	605644	20.178	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	29.02	276	683809	20.074	ng/ul#	96
28) Dibenzo(a,h)anthracene	29.09	278	570972	20.244	ng/ul	98
29) Benzo(g,h,i)perylene	30.21	276	561768	19.998	ng/ul#	94

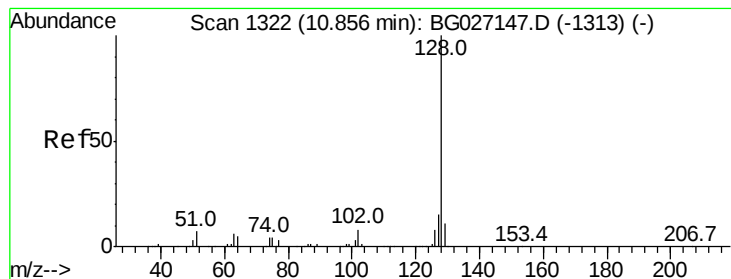
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.867 ng/ul

RT: 11.09 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Instrument :

BNA_G

ClientSampled :

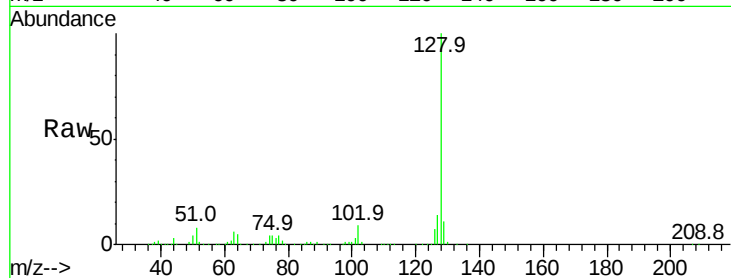
Tot Ion:128 Resp: 345417

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

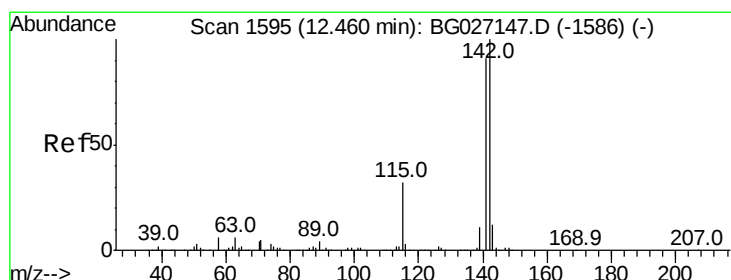
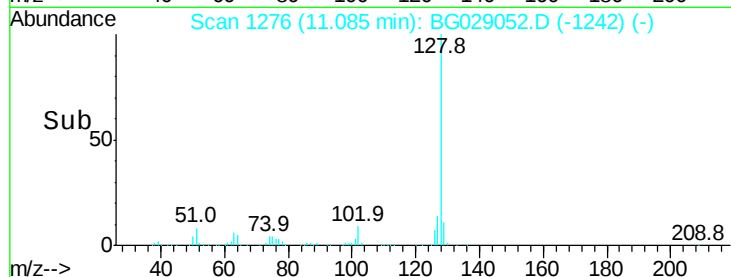
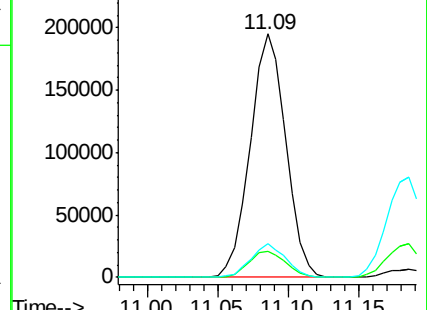
127 13.6 10.6 16.0



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: 19.802 ng/ul

RT: 12.68 min Scan# 1547

Delta R.T. 0.00 min

Lab File: BG029052.D

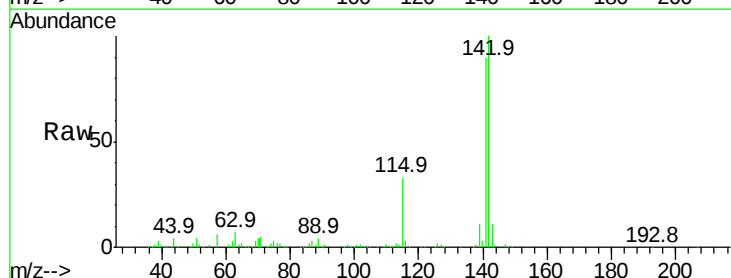
Acq: 7 Oct 2017 17:22

Tgt Ion:142 Resp: 261306

Ion Ratio Lower Upper

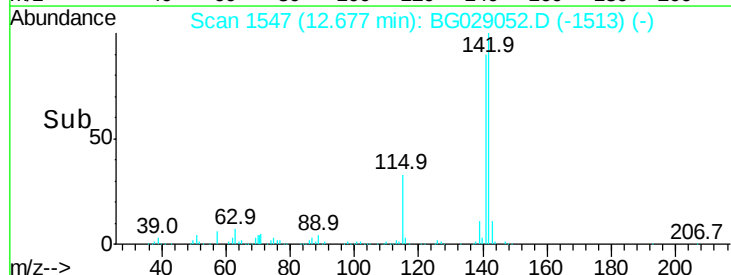
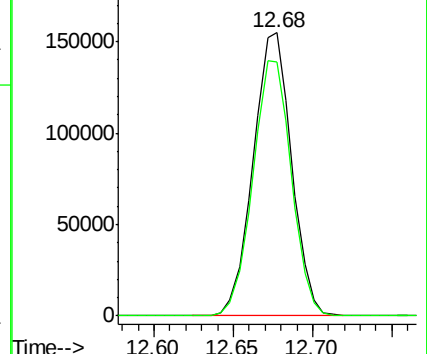
142 100

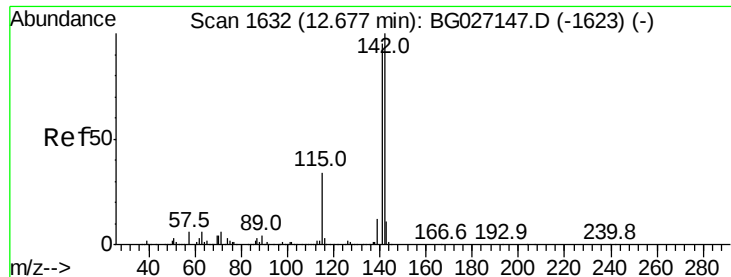
141 89.7 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.907 ng/ul

RT: 12.89 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BG029052.D

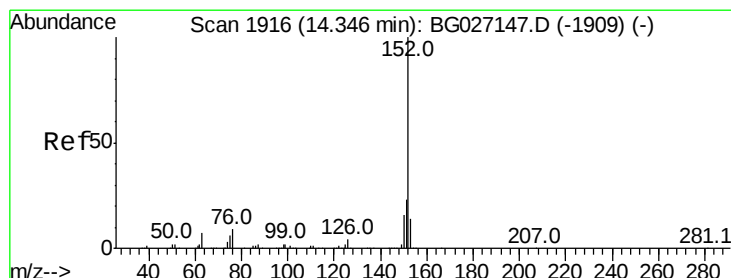
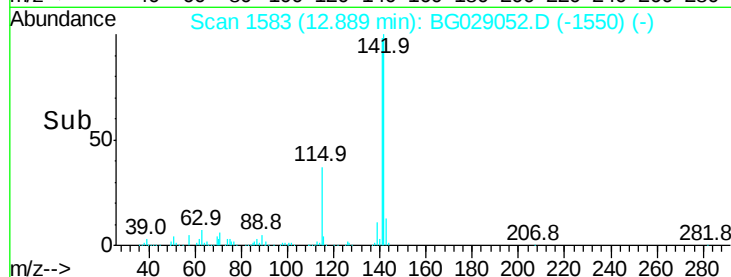
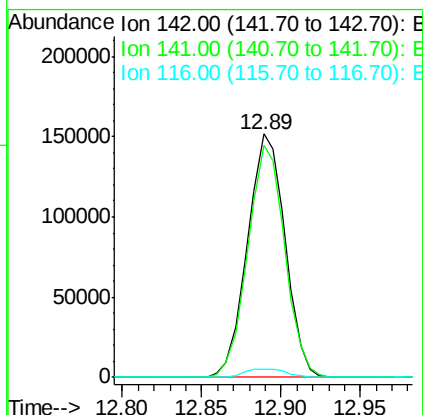
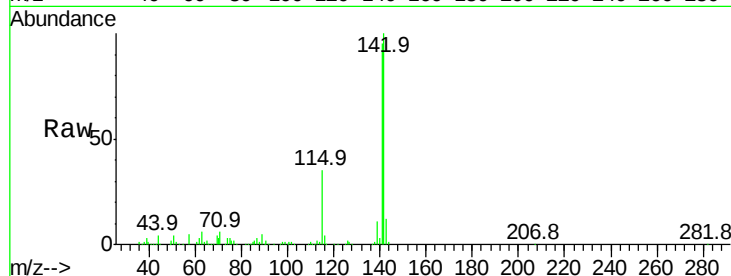
Acq: 7 Oct 2017 17:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	142	Resp:	250705
Ion	Ratio	Lower	Upper
142	100		
141	95.1	79.3	118.9
116	3.5	4.2	6.2#



#8

Acenaphthylene

Concen: 20.177 ng/ul

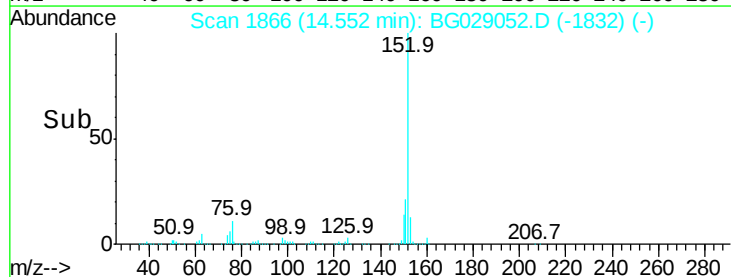
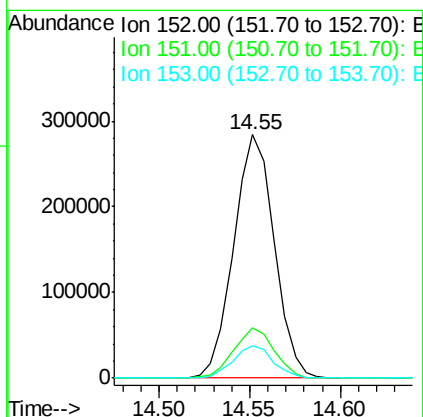
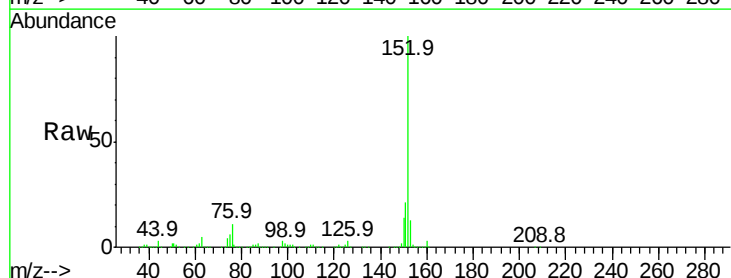
RT: 14.55 min Scan# 1866

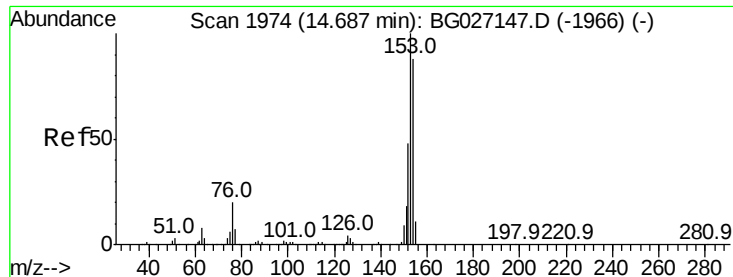
Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Tgt Ion:	152	Resp:	439751
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.7	25.1
153	13.4	10.2	15.4





#9

Acenaphthene

Concen: 19.750 ng/ul

RT: 14.89 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Instrument :

BNA_G

ClientSampled :

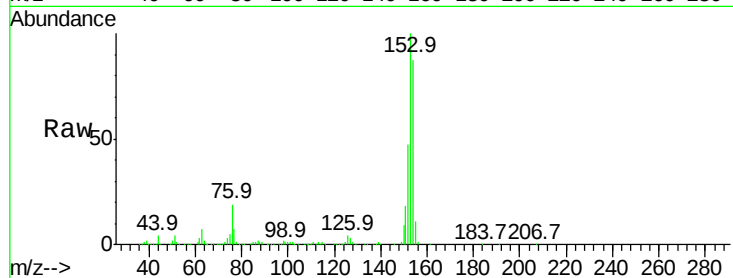
Tot Ion:153 Resp: 292953

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

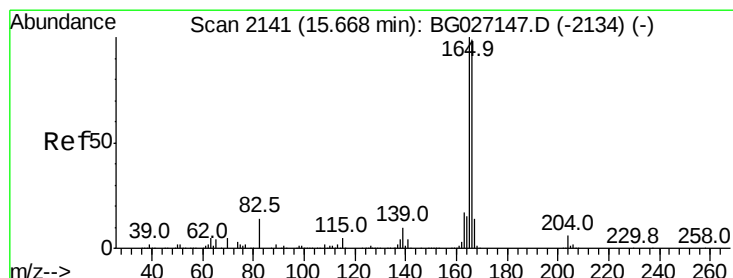
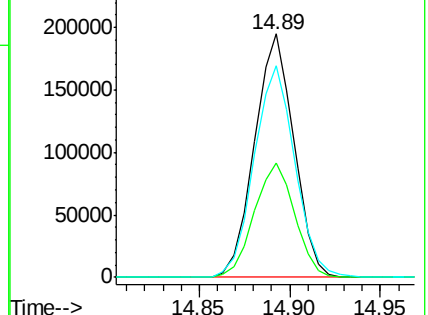
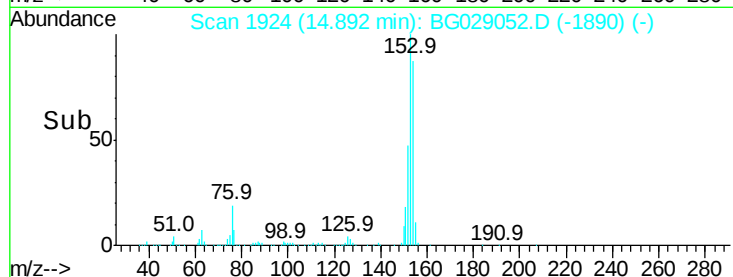
154 87.0 66.8 100.2



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: 19.702 ng/ul

RT: 15.87 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

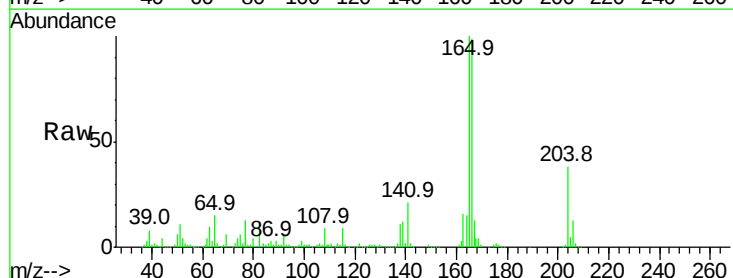
Tgt Ion:166 Resp: 342016

Ion Ratio Lower Upper

166 100

165 101.1 83.8 125.8

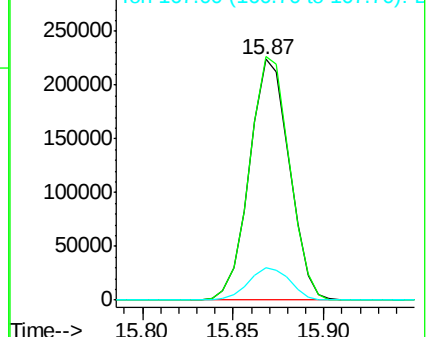
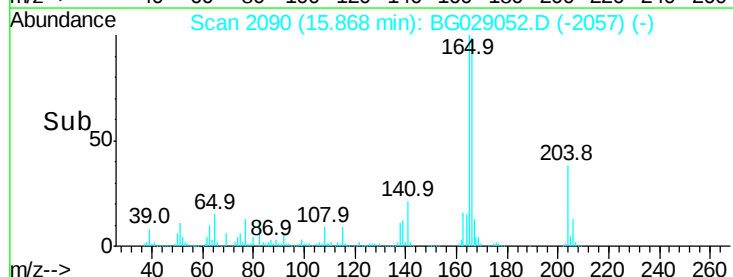
167 13.6 11.5 17.3

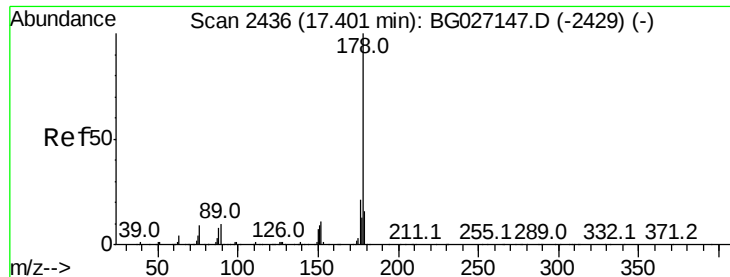


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.185 ng/ul

RT: 17.61 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

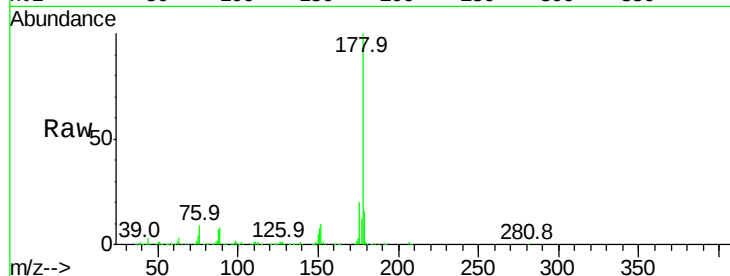
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 563514

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.8	15.1	22.7

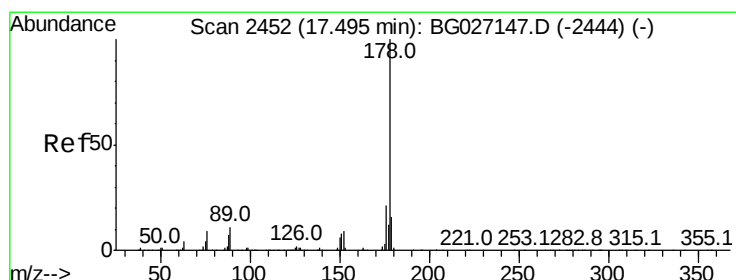
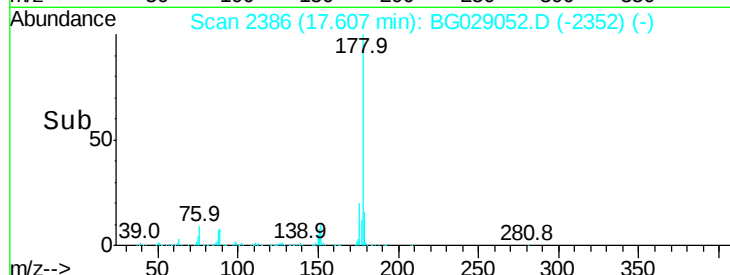
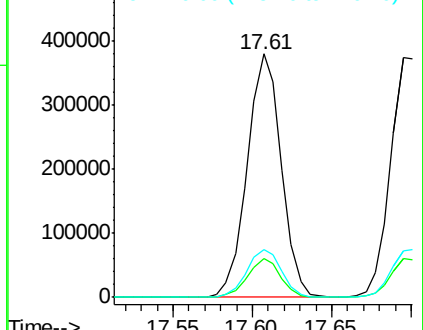


Abundance

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: 20.237 ng/ul

RT: 17.70 min Scan# 2401

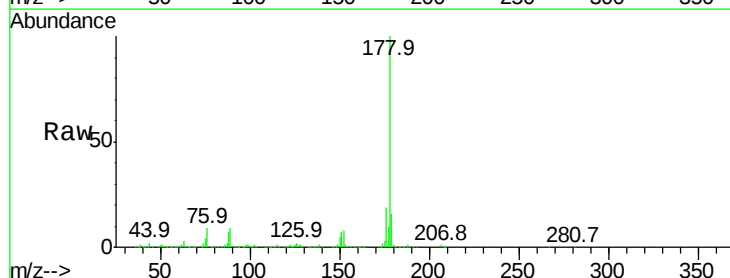
Delta R.T. -0.01 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Tgt Ion:178 Resp: 578009

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.8
176	19.3	15.2	22.8

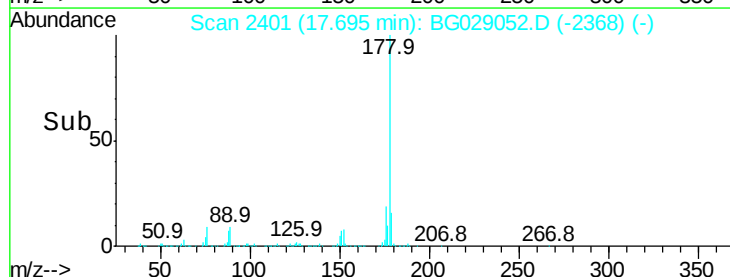
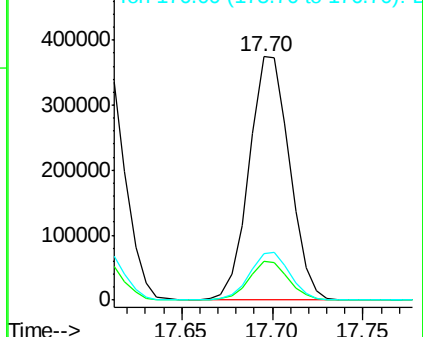


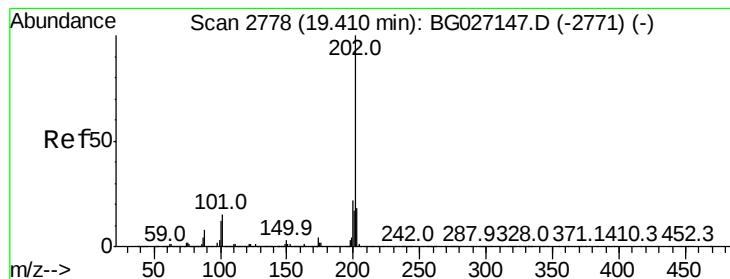
Abundance

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: 20.421 ng/ul

RT: 19.60 min Scan# 2726

Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Instrument :

BNA_G

ClientSampleId :

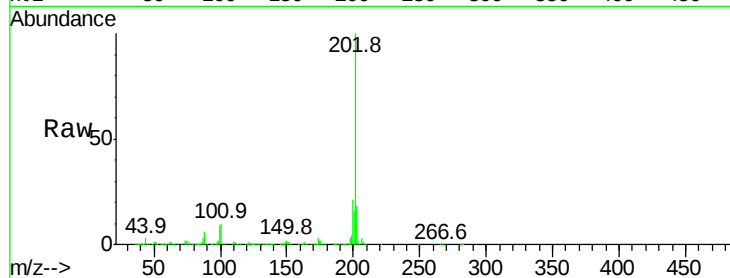
Tot Ion:202 Resp: 668330

Ion Ratio Lower Upper

202 100

101 10.5 9.9 14.9

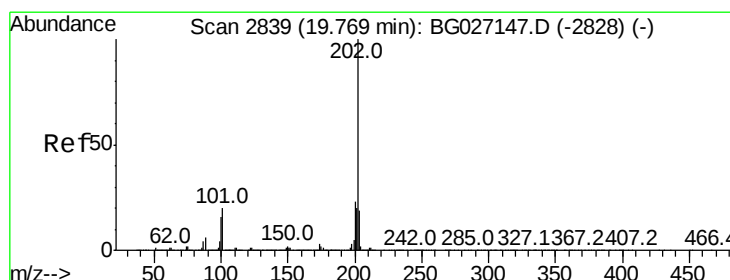
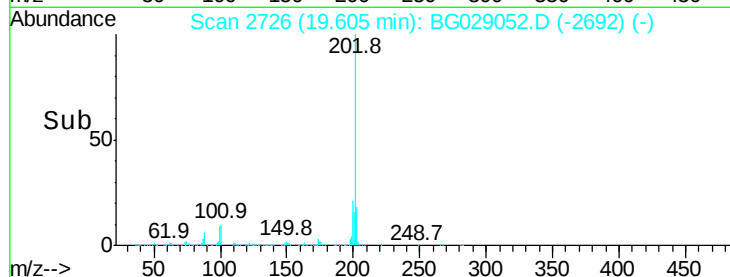
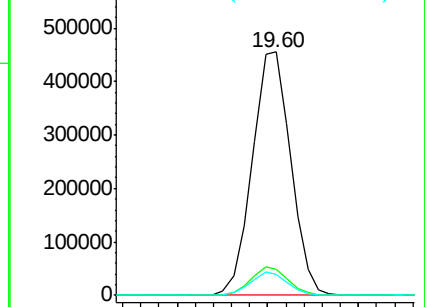
100 8.7 7.4 11.0



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: 20.142 ng/ul

RT: 19.96 min Scan# 2787

Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

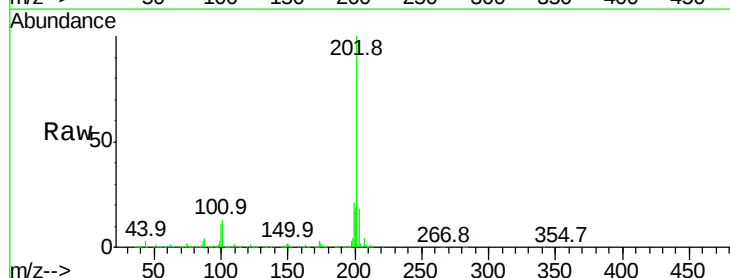
Tgt Ion:202 Resp: 690546

Ion Ratio Lower Upper

202 100

101 13.4 11.0 16.4

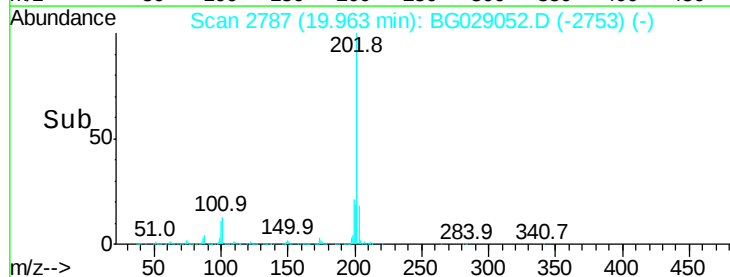
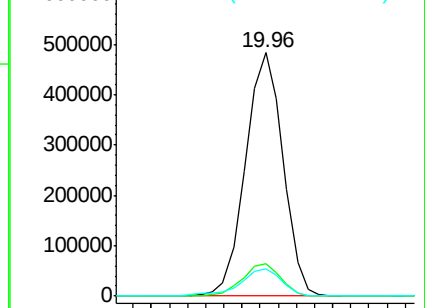
100 11.4 8.1 12.1

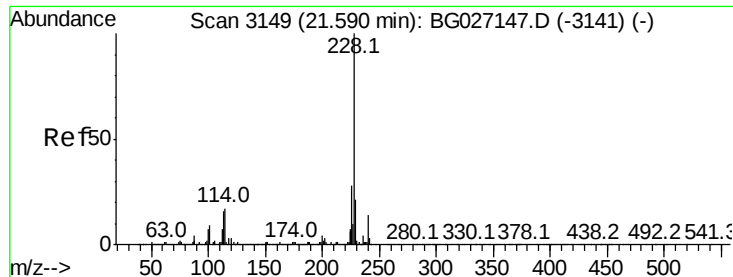


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

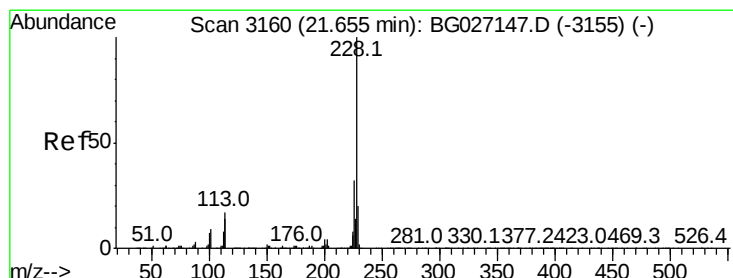
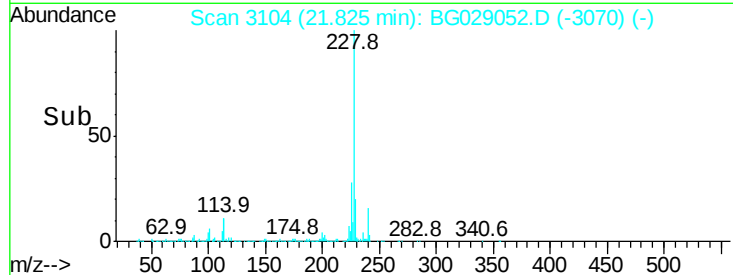
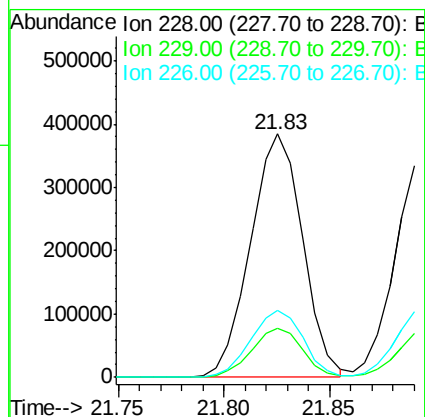
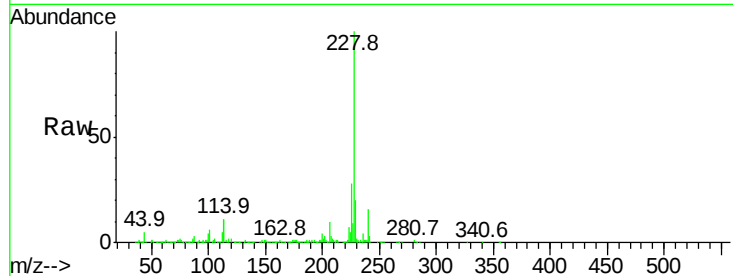




#20
Benzo(a)anthracene
Concen: 20.254 ng/ul
RT: 21.83 min Scan# 3104
Delta R.T. 0.00 min
Lab File: BG029052.D
Acq: 7 Oct 2017 17:22

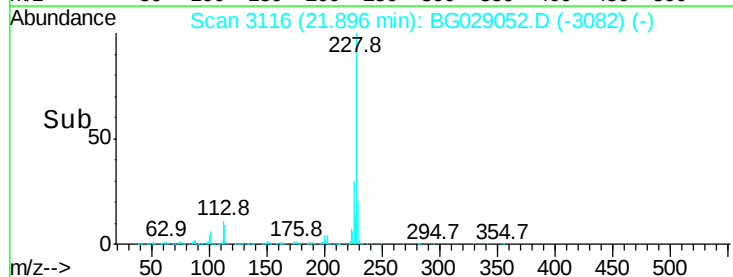
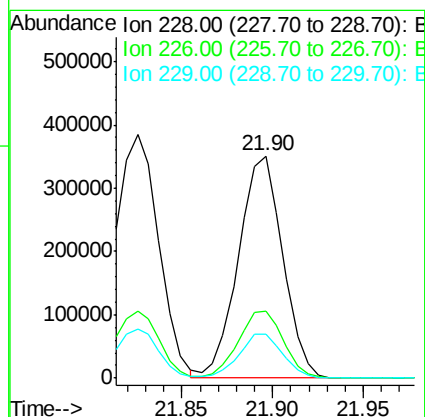
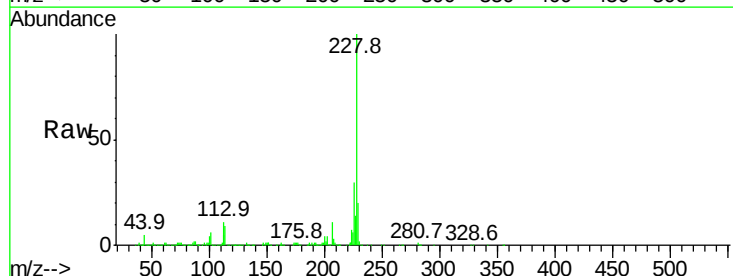
Instrument :
BNA_G
ClientSampleId :

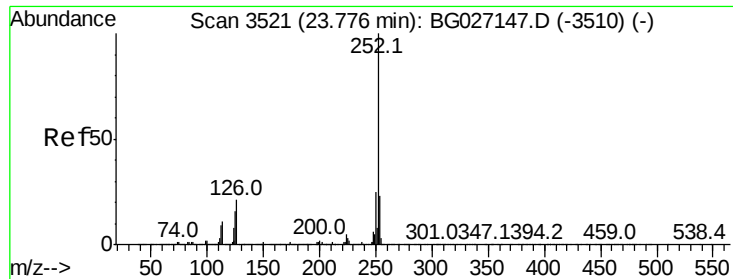
Tot Ion:228 Resp: 656043
Ion Ratio Lower Upper
228 100
229 20.3 15.7 23.5
226 27.6 21.1 31.7



#21
Chrysene
Concen: 20.065 ng/ul
RT: 21.90 min Scan# 3116
Delta R.T. 0.00 min
Lab File: BG029052.D
Acq: 7 Oct 2017 17:22

Tgt Ion:228 Resp: 595121
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 19.8 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.774 ng/ul

RT: 24.12 min Scan# 3495

Delta R.T. -0.01 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Instrument :

BNA_G

ClientSampleId :

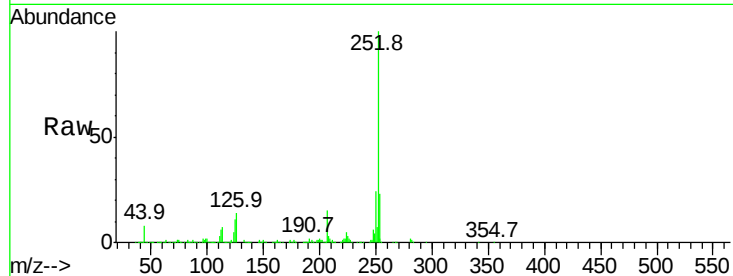
Tot Ion:252 Resp: 641948

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

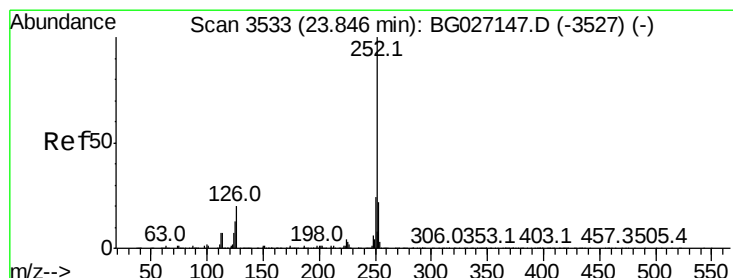
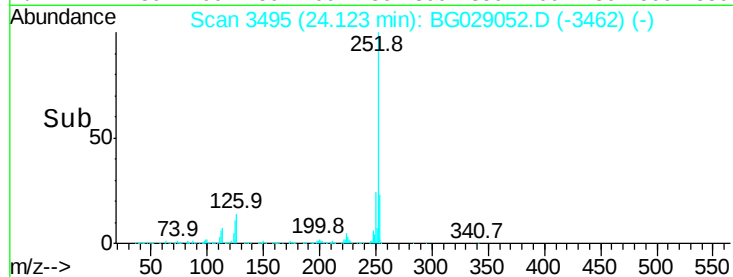
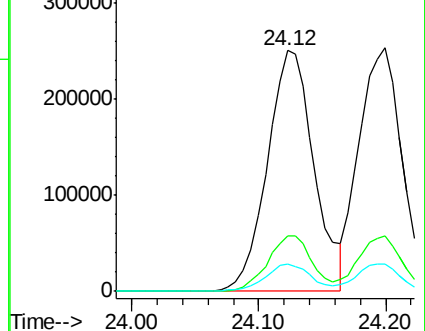
125 11.4 8.0 12.0



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: 19.687 ng/ul

RT: 24.20 min Scan# 3508

Delta R.T. 0.00 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

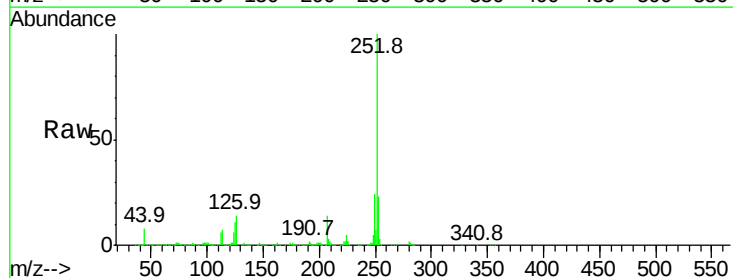
Tgt Ion:252 Resp: 593759

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

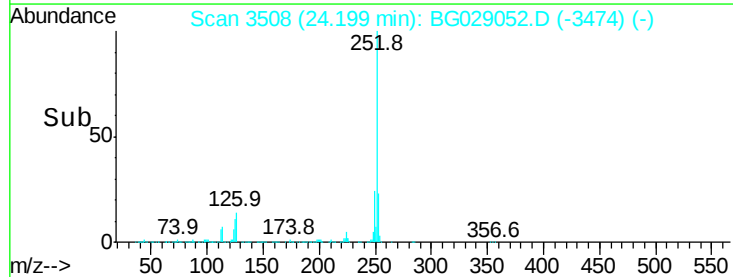
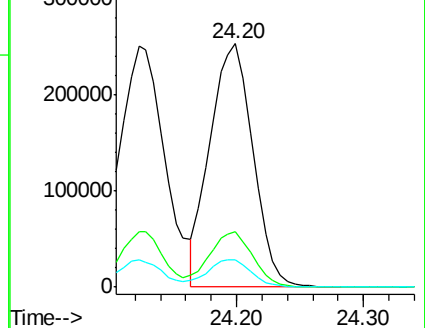
125 11.3 8.1 12.1

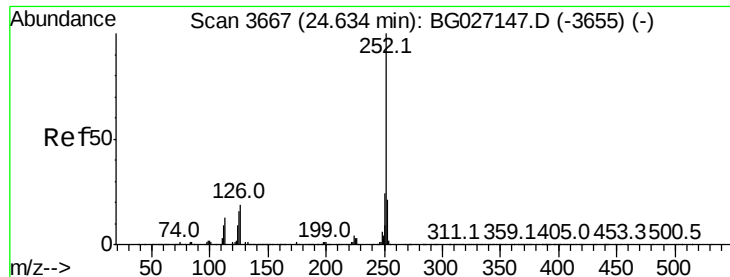


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.178 ng/ul

RT: 25.03 min Scan# 3649

Delta R.T. -0.01 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

Instrument :

BNA_G

ClientSampleId :

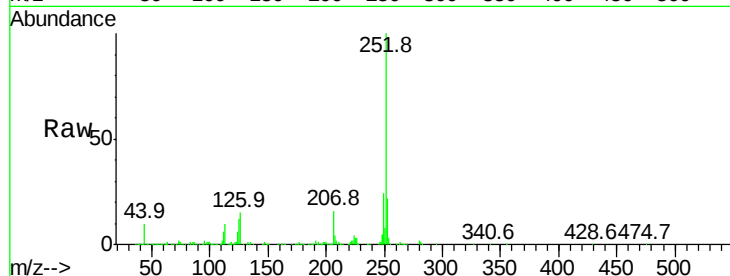
Tot Ion:252 Resp: 605644

Ion Ratio Lower Upper

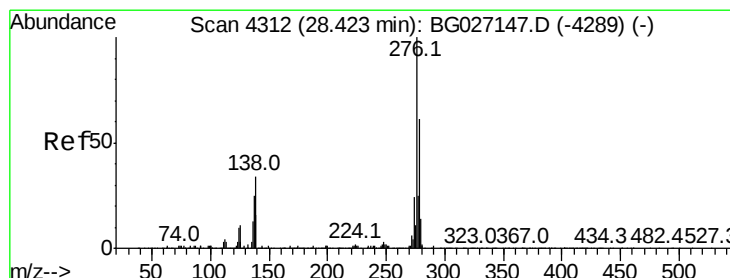
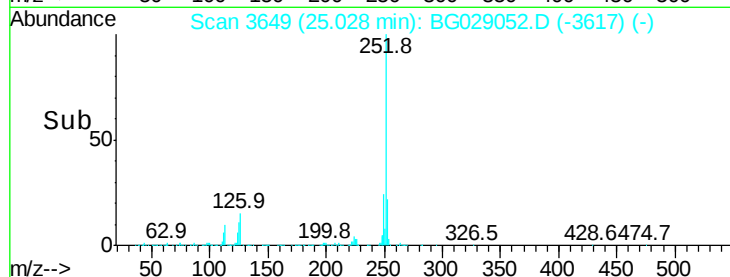
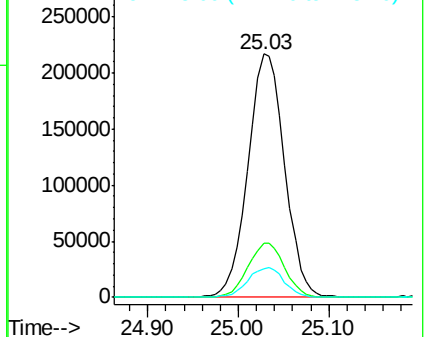
252 100

253 22.2 17.2 25.8

125 11.5 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: 20.074 ng/ul

RT: 29.02 min Scan# 4328

Delta R.T. -0.01 min

Lab File: BG029052.D

Acq: 7 Oct 2017 17:22

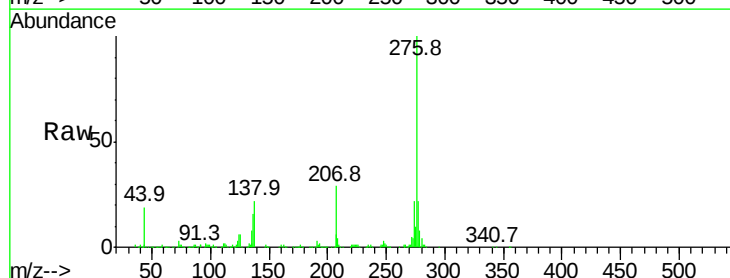
Tgt Ion:276 Resp: 683809

Ion Ratio Lower Upper

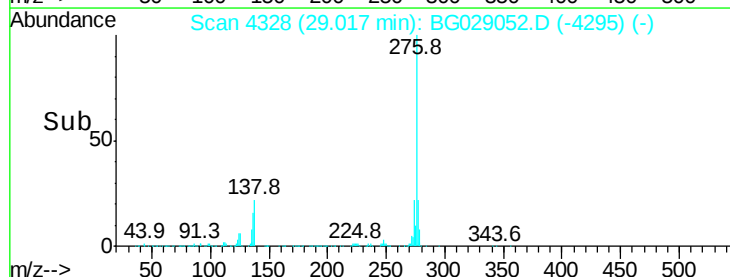
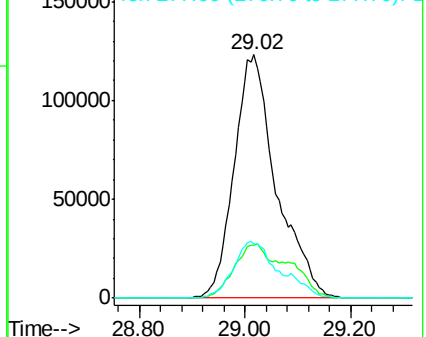
276 100

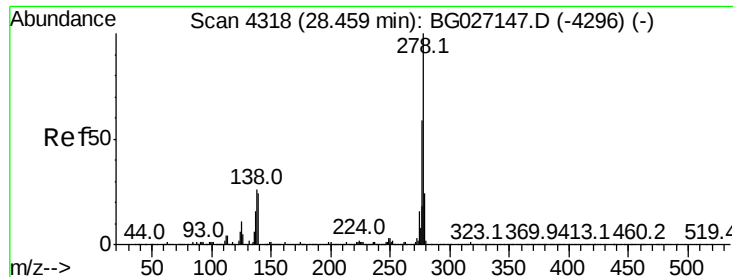
138 21.9 14.4 21.6#

277 22.2 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

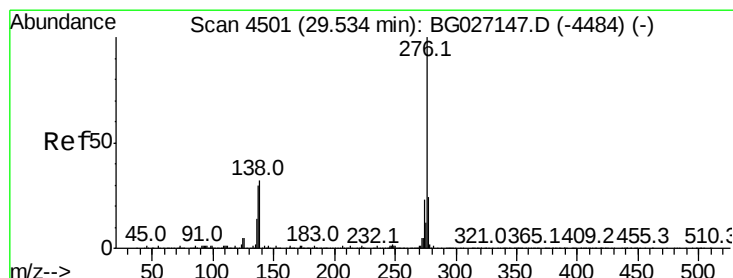
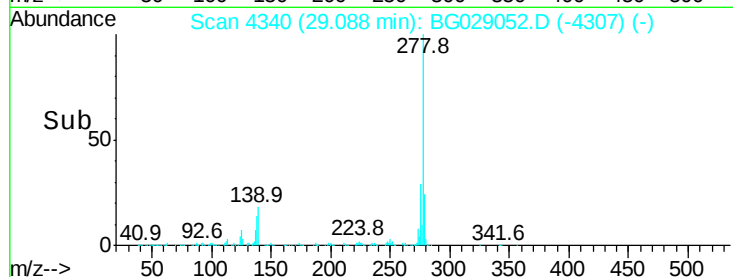
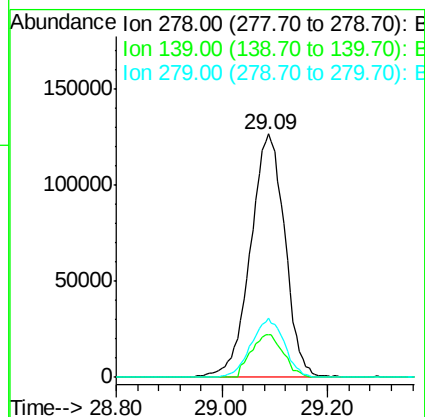
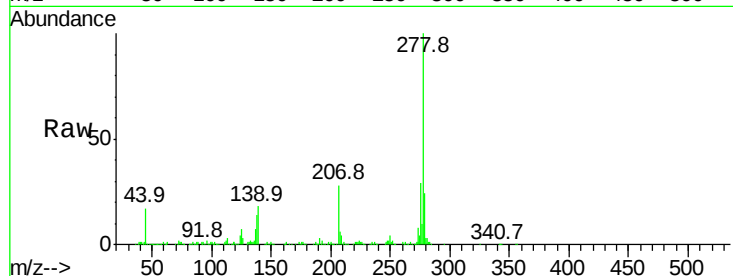




#28
Dibenzo(a,h)anthracene
Concen: 20.244 ng/ul
RT: 29.09 min Scan# 4340
Delta R.T. -0.01 min
Lab File: BG029052.D
Acq: 7 Oct 2017 17:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 570972
Ion Ratio Lower Upper
278 100
139 17.6 12.2 18.4
279 24.2 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 19.998 ng/ul
RT: 30.21 min Scan# 4531
Delta R.T. 0.00 min
Lab File: BG029052.D
Acq: 7 Oct 2017 17:22

Tgt Ion:276 Resp: 561768
Ion Ratio Lower Upper
276 100
138 23.9 15.3 22.9#
277 24.4 19.0 28.4

