

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101317\
 Data File : BG029170.D
 Acq On : 11 Oct 2017 17:58
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 08:52:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:24:22 2017
 Response via : Initial Calibration

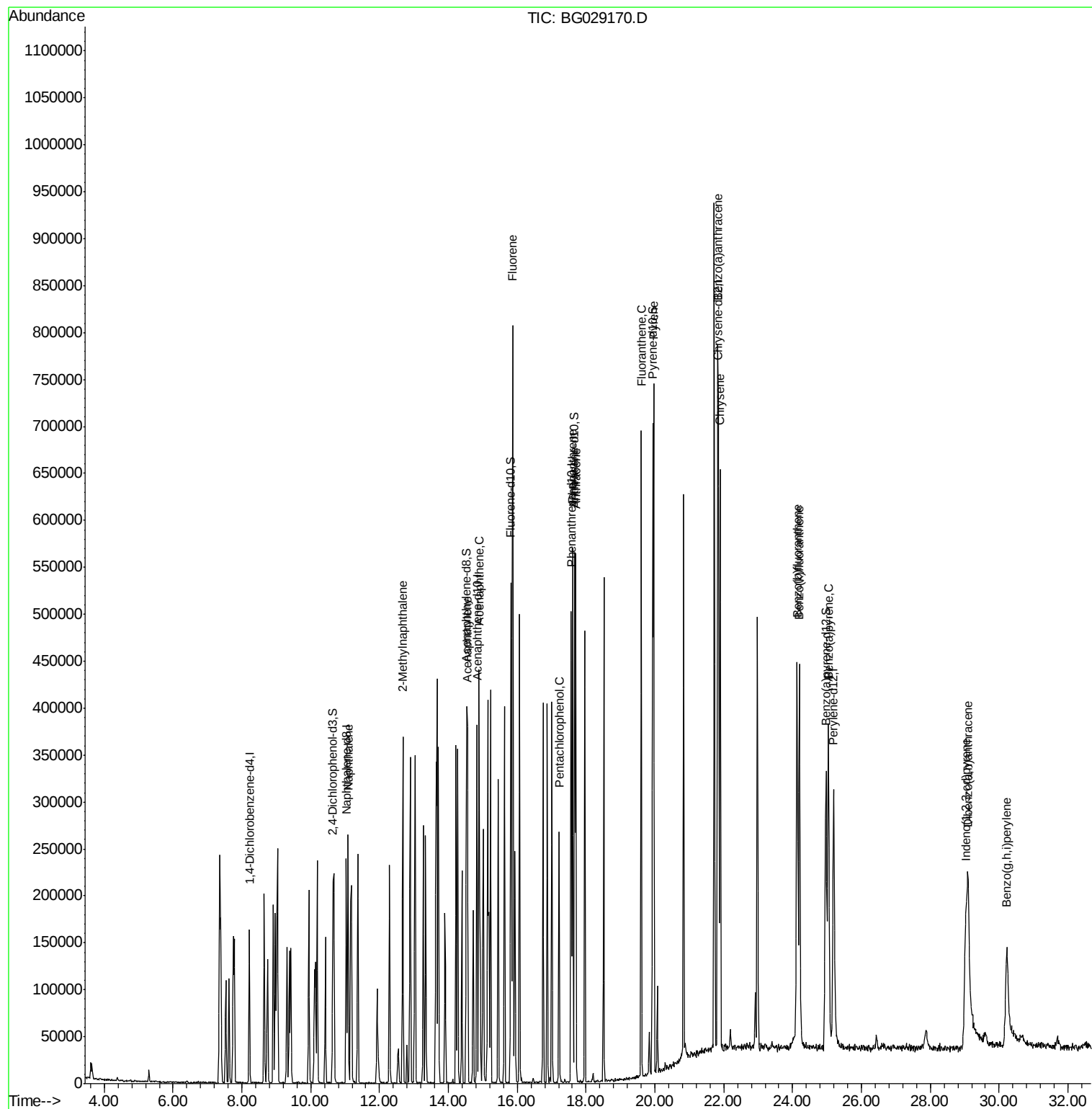
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	44396	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	194961	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	132983	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	317408	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	337645	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	347185	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	78844	21.15	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	293217	21.99	ng/ul	0.00
10) Fluorene-d10	15.82	176	226330	21.64	ng/ul	0.00
15) Anthracene-d10	17.67	188	337624	21.52	ng/ul	0.00
19) Pyrene-d10	19.93	212	400980	22.60	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	368268	21.21	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.09	128	221352	21.60	ng/ul	98
5) 2-Methylnaphthalene	12.67	142	168319	21.47	ng/ul	91
8) Acenaphthylene	14.55	152	275430	21.64	ng/ul	100
9) Acenaphthene	14.89	153	197711	22.05	ng/ul	99
11) Fluorene	15.87	166	227653	22.03	ng/ul	100
13) Pentachlorophenol	17.21	266	54591	20.69	ng/ul	98
14) Phenanthrene	17.61	178	369426	21.49	ng/ul	96
16) Anthracene	17.70	178	379356	21.52	ng/ul	98
17) Fluoranthene	19.60	202	454494	22.46	ng/ul	99
20) Pyrene	19.96	202	464717	22.70	ng/ul	100
21) Benzo(a)anthracene	21.82	228	461825	22.45	ng/ul	99
22) Chrysene	21.90	228	417787	22.50	ng/ul	99
24) Benzo(b)fluoranthene	24.13	252	459556	21.48	ng/ul	100
25) Benzo(k)fluoranthene	24.20	252	456668	21.67	ng/ul	99
27) Benzo(a)pyrene	25.04	252	445104	21.32	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	29.03	276	418641	21.04	ng/ul	96
29) Dibenzo(a,h)anthracene	29.09	278	358440	20.30	ng/ul	98
30) Benzo(g,h,i)perylene	30.23	276	279145	20.12	ng/ul	97

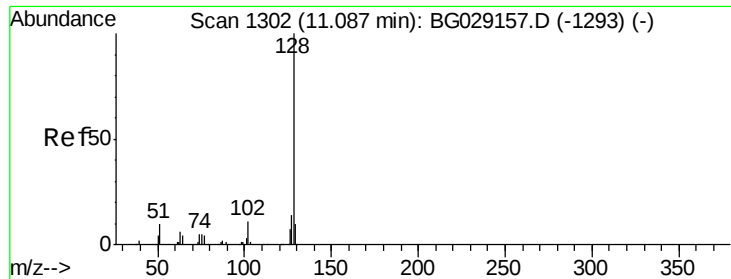
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 04:24:22 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 21.60 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_G

ClientSampleId :

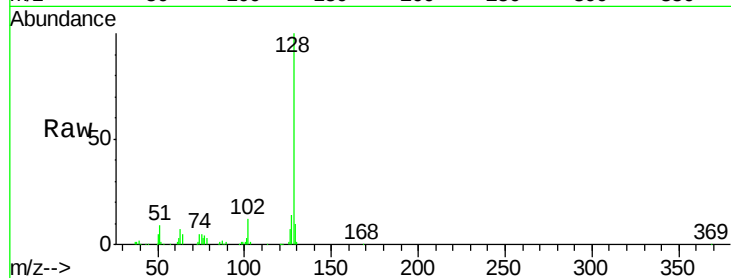
Tot Ion:128 Resp: 221352

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.4

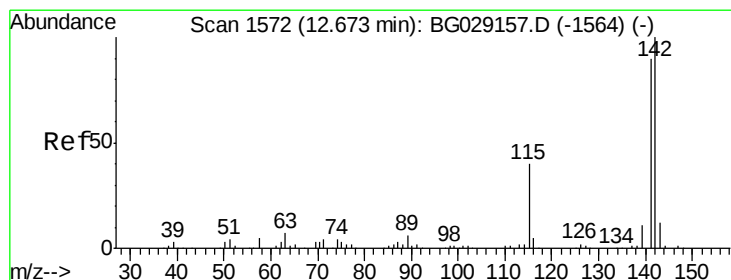
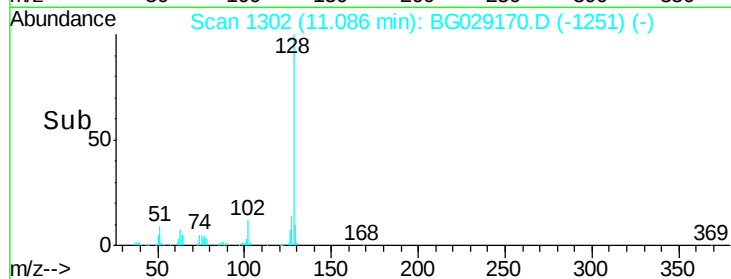
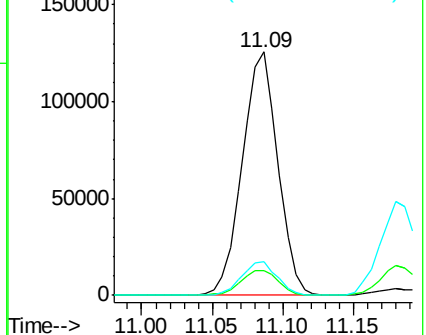
127 13.8 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 21.47 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BG029170.D

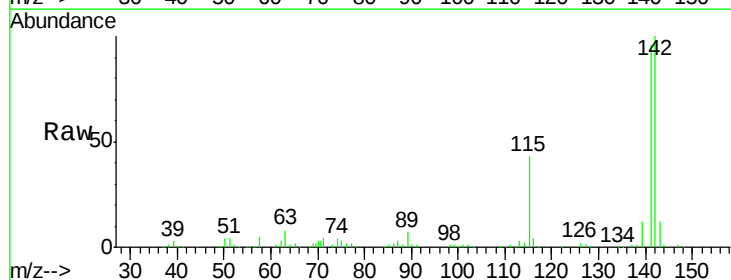
Acq: 11 Oct 2017 17:58

Tgt Ion:142 Resp: 168319

Ion Ratio Lower Upper

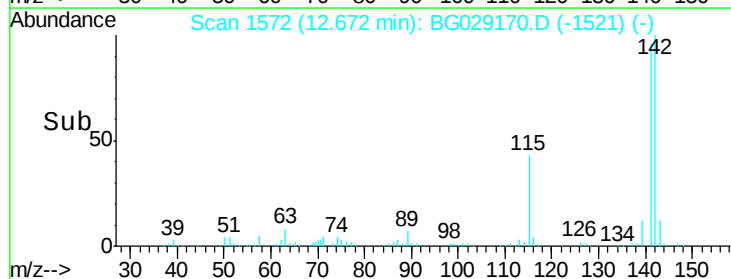
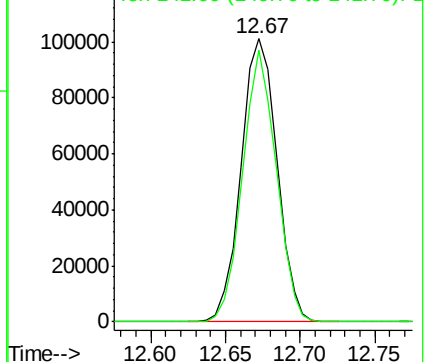
142 100

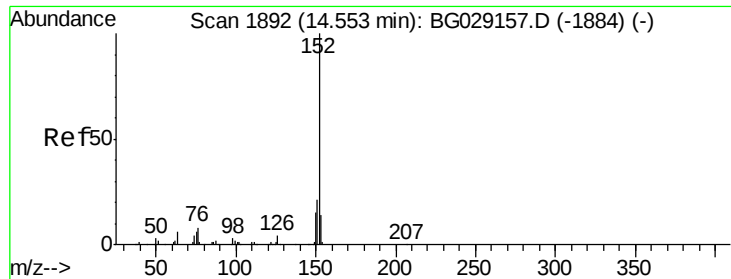
141 96.1 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.64 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_G

ClientSampleId :

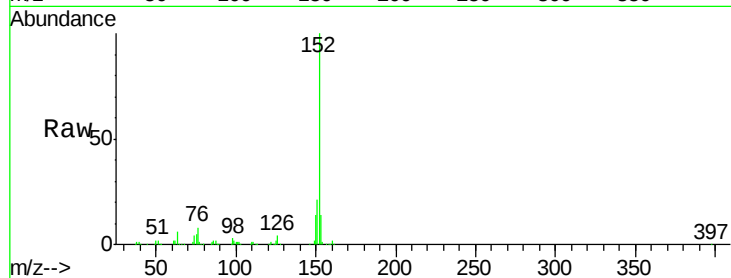
Tot Ion:152 Resp: 275430

Ion Ratio Lower Upper

152 100

151 20.6 16.5 24.7

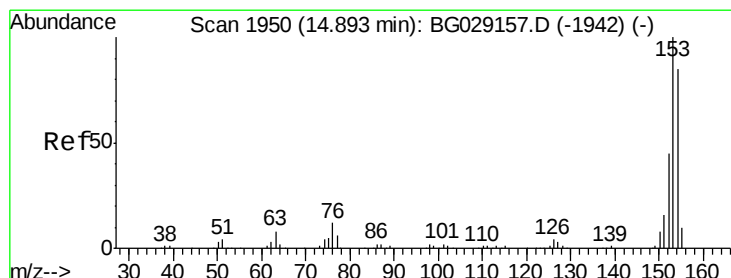
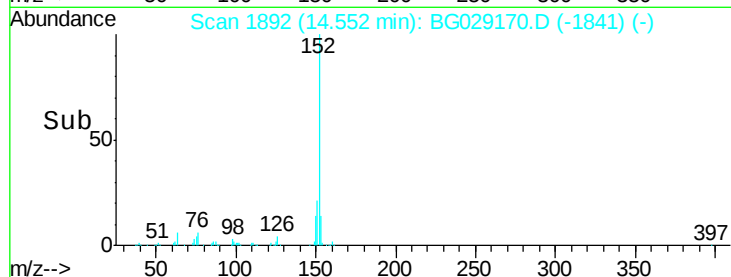
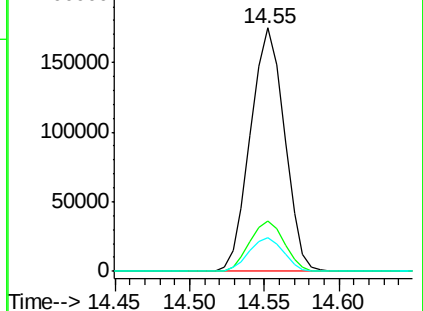
153 13.7 11.3 16.9



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: 22.05 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

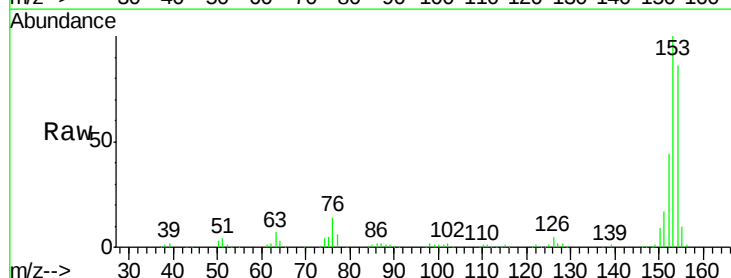
Tgt Ion:153 Resp: 197711

Ion Ratio Lower Upper

153 100

152 44.3 36.2 54.4

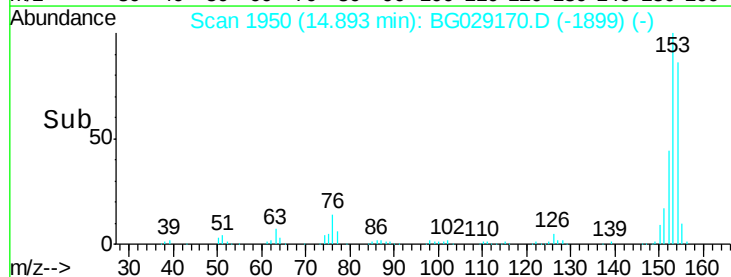
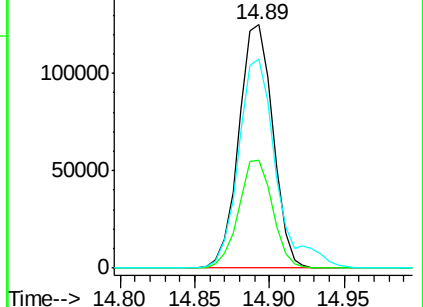
154 85.9 68.4 102.6

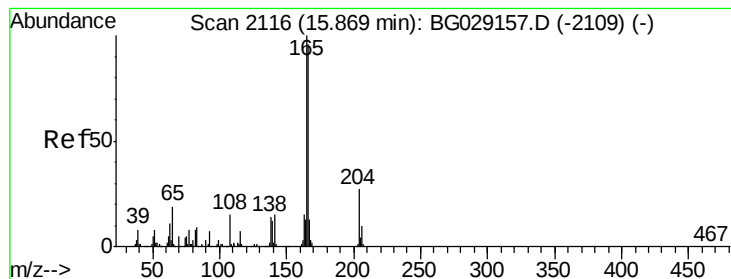


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 22.03 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_G

ClientSampleId :

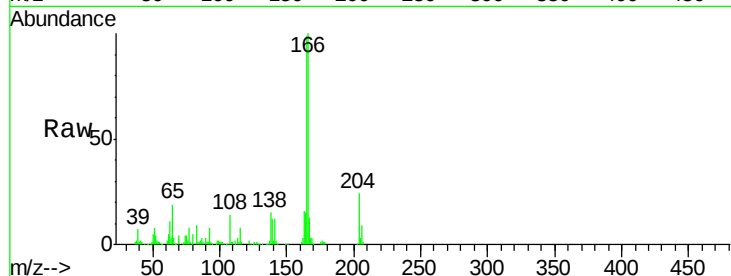
Tot Ion:166 Resp: 227653

Ion Ratio Lower Upper

166 100

165 98.9 79.4 119.0

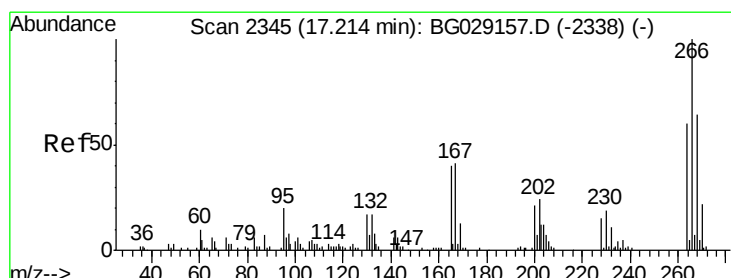
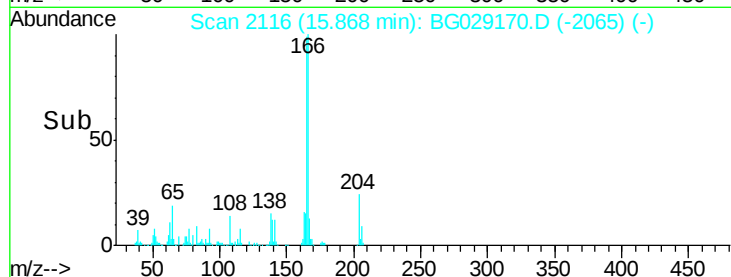
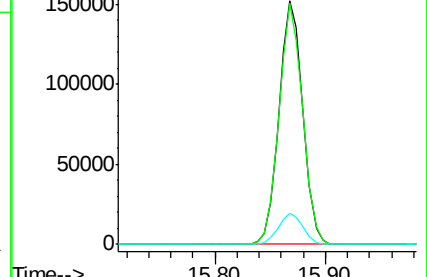
167 13.0 10.2 15.4



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

Pentachlorophenol

Concen: 20.69 ng/ul

RT: 17.21 min Scan# 2345

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

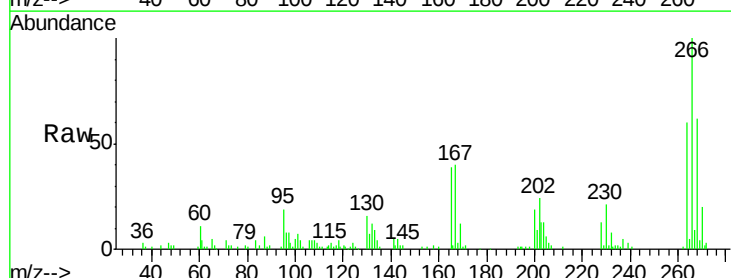
Tgt Ion:266 Resp: 54591

Ion Ratio Lower Upper

266 100

264 60.0 49.8 74.8

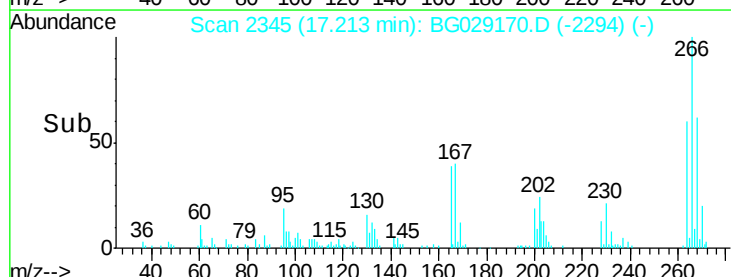
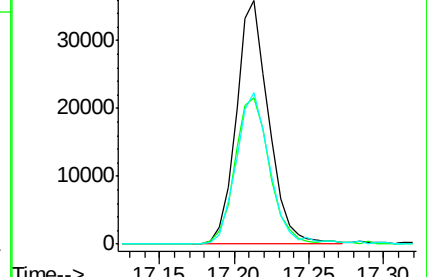
268 62.0 50.0 75.0

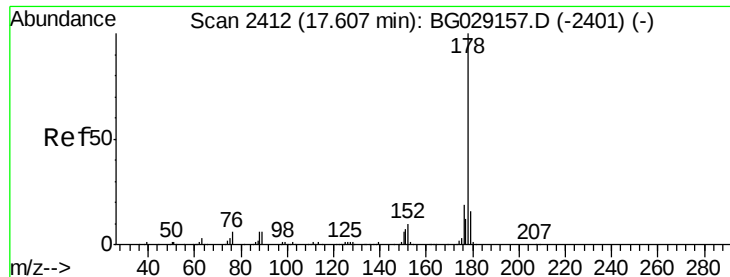


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

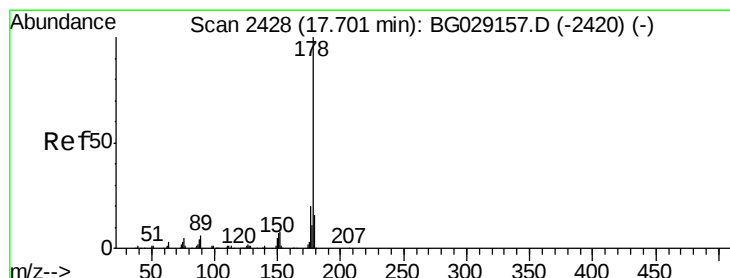
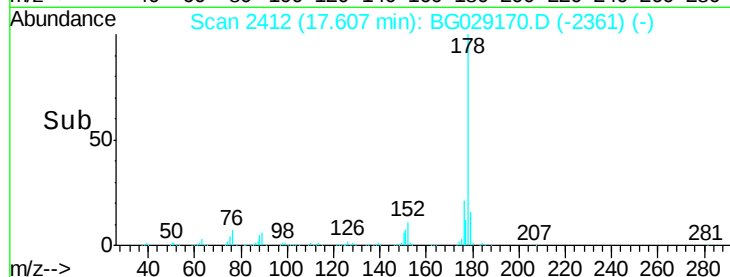
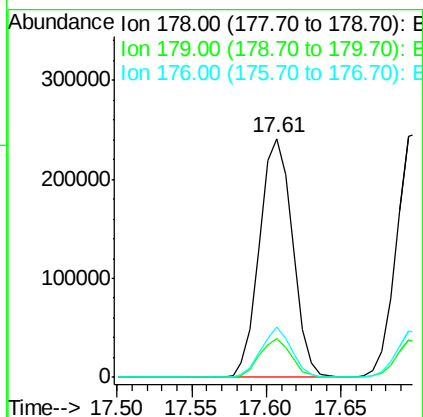
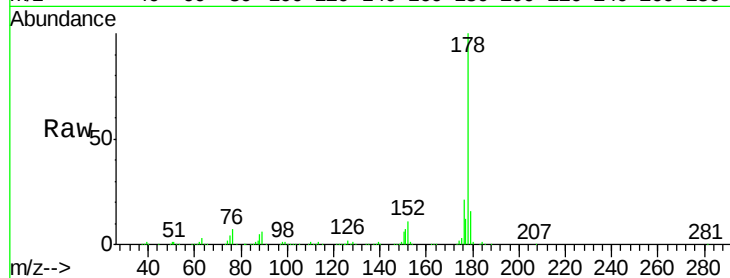




#14
Phenanthrene
Concen: 21.49 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BG029170.D
Acq: 11 Oct 2017 17:58

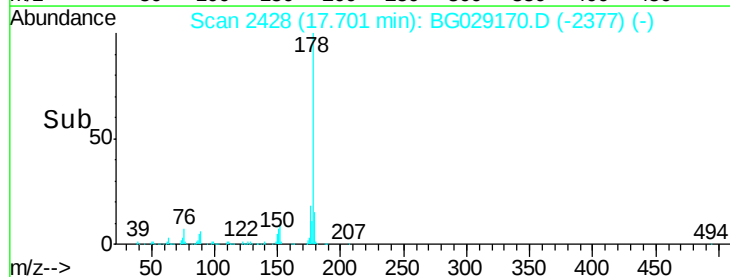
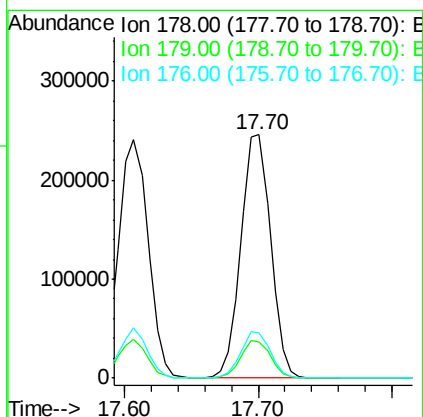
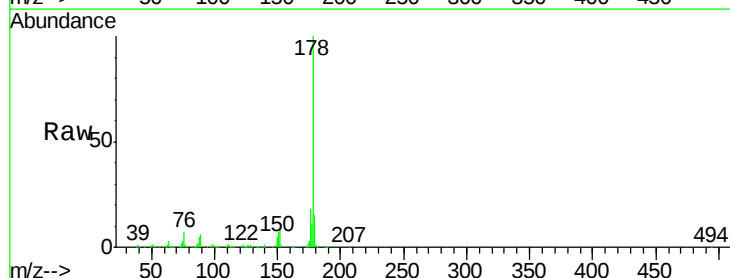
Instrument :
BNA_G
ClientSampleId :

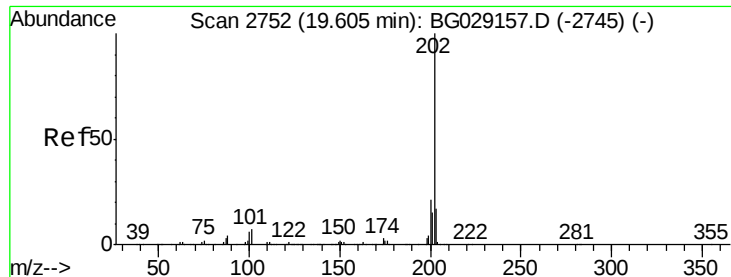
Tot Ion:178 Resp: 369426
Ion Ratio Lower Upper
178 100
179 16.5 12.2 18.2
176 21.0 15.0 22.6



#16
Anthracene
Concen: 21.52 ng/ul
RT: 17.70 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG029170.D
Acq: 11 Oct 2017 17:58

Tgt Ion:178 Resp: 379356
Ion Ratio Lower Upper
178 100
179 15.0 12.5 18.7
176 18.4 15.7 23.5





#17

Fluoranthene

Concen: 22.46 ng/ul

RT: 19.60 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_G

ClientSampleId :

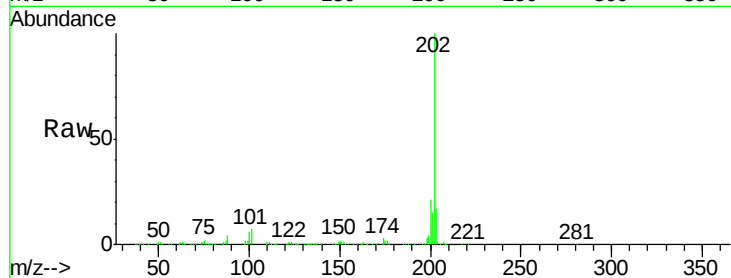
Tot Ion:202 Resp: 454494

Ion Ratio Lower Upper

202 100

101 6.9 5.6 8.4

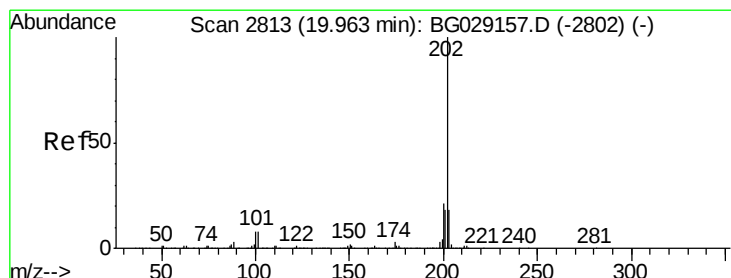
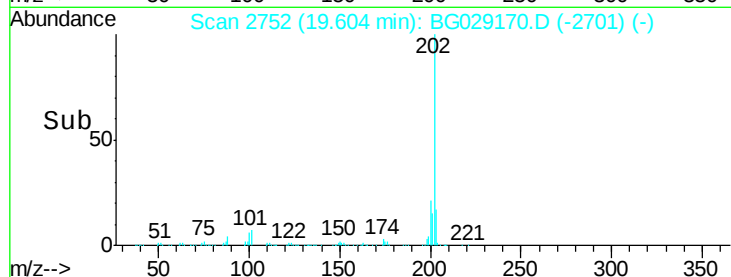
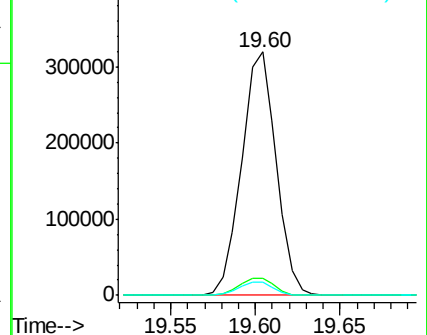
100 5.6 4.7 7.1



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

Pyrene

Concen: 22.70 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

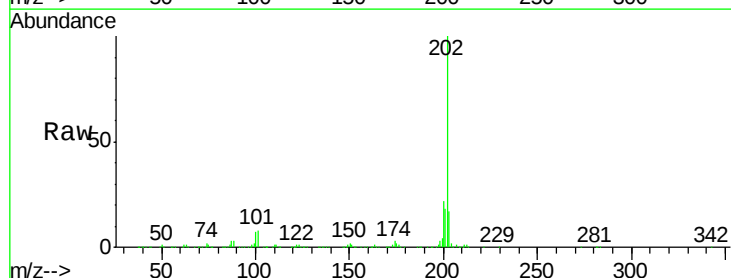
Tgt Ion:202 Resp: 464717

Ion Ratio Lower Upper

202 100

101 8.2 6.5 9.7

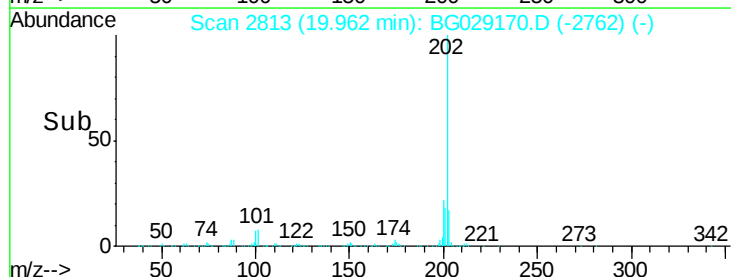
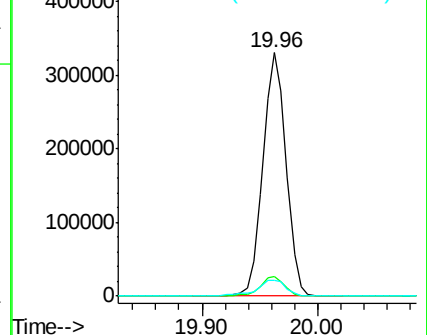
100 6.7 5.5 8.3

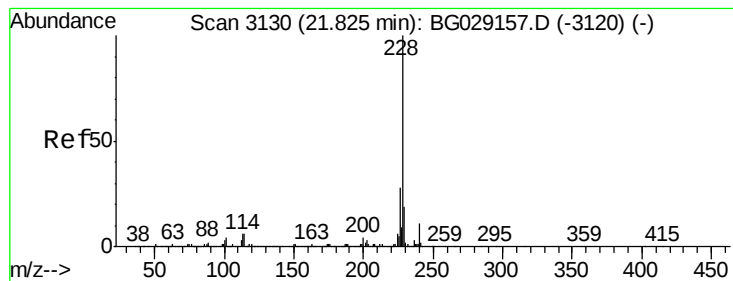


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 22.45 ng/ul

RT: 21.82 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_G

ClientSampleId :

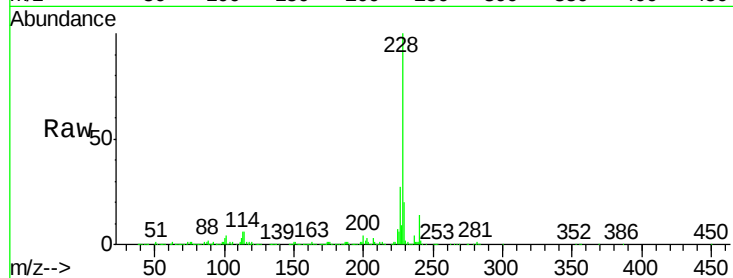
Tot Ion:228 Resp: 461825

Ion Ratio Lower Upper

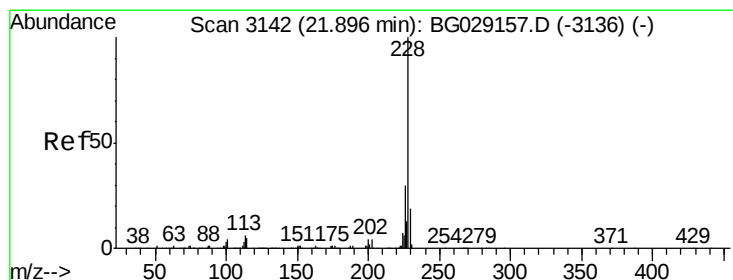
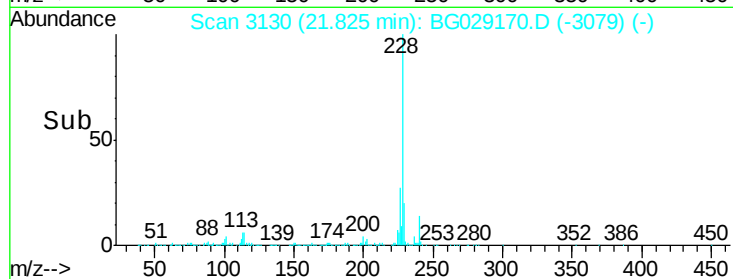
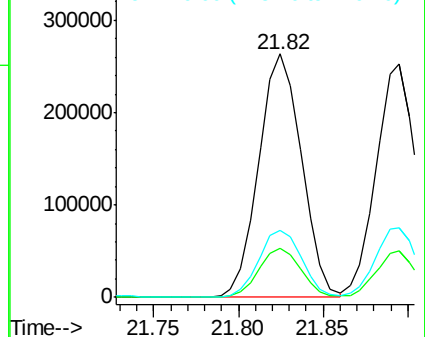
228 100

229 20.3 15.8 23.8

226 27.3 21.6 32.4



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



#22

Chrysene

Concen: 22.50 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

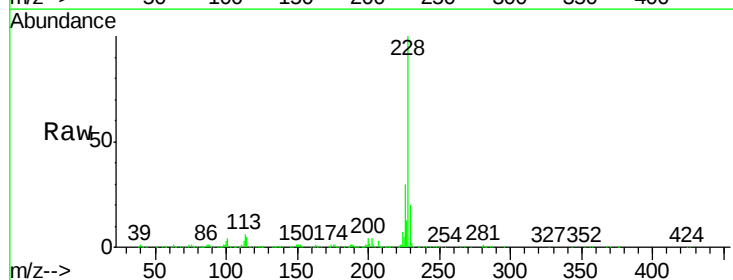
Tgt Ion:228 Resp: 417787

Ion Ratio Lower Upper

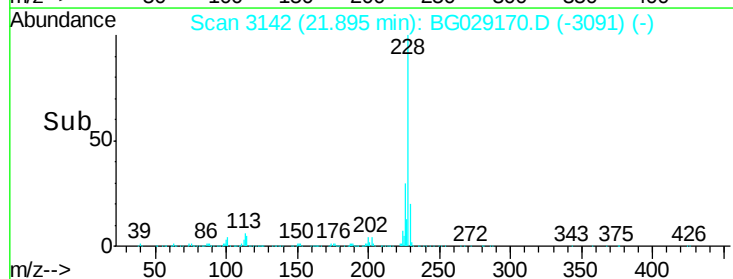
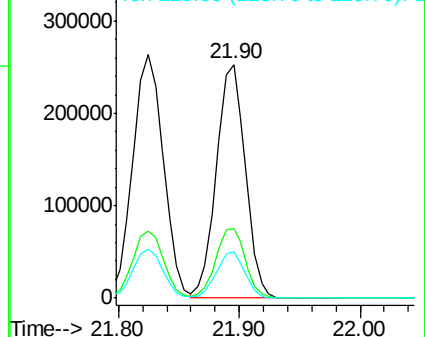
228 100

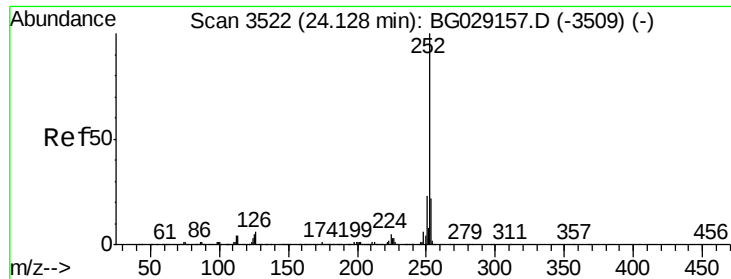
226 29.9 23.4 35.0

229 20.0 15.7 23.5



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

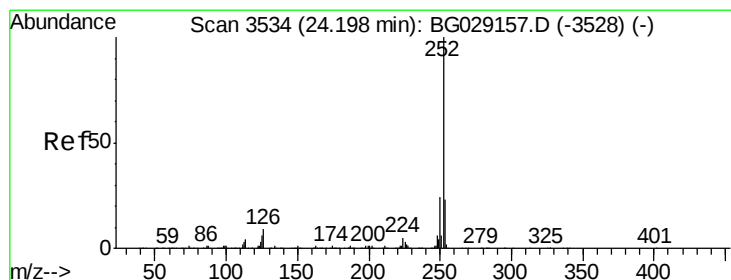
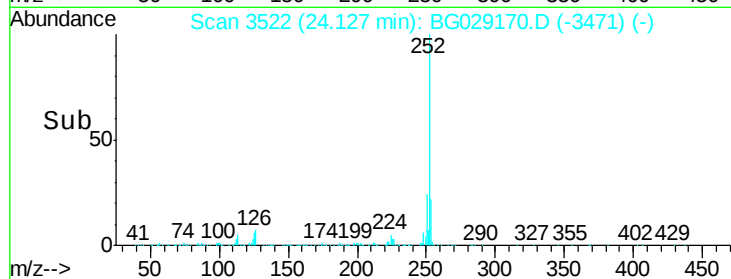
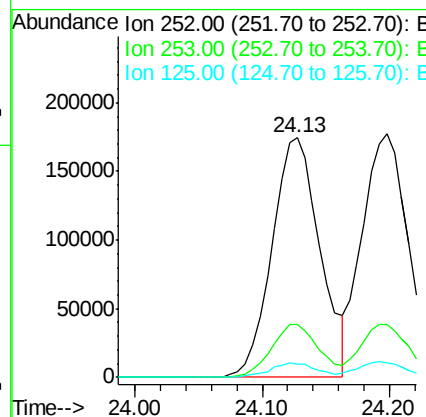
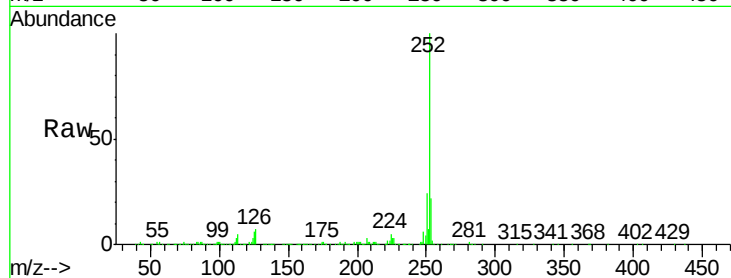




#24
Benzo(b)fluoranthene
Concen: 21.48 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. -0.00 min
Lab File: BG029170.D
Acq: 11 Oct 2017 17:58

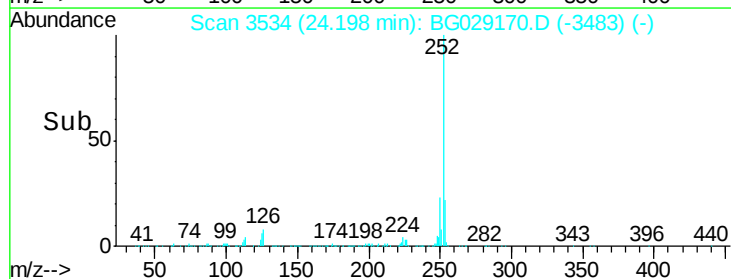
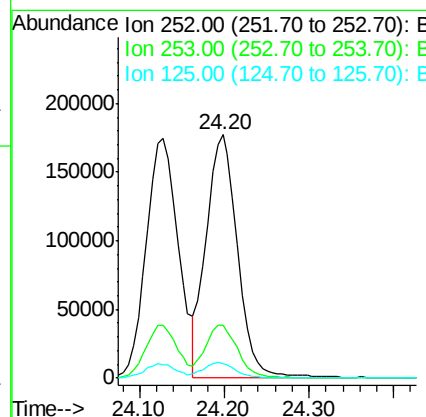
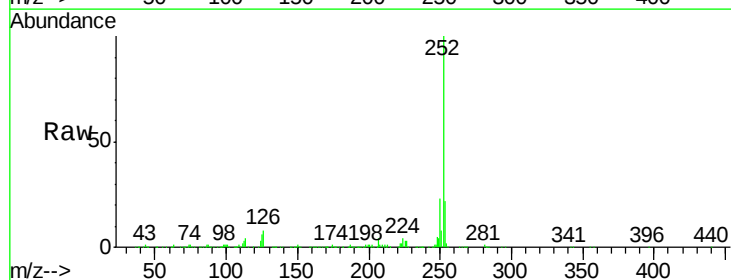
Instrument :
BNA_G
ClientSampleId :

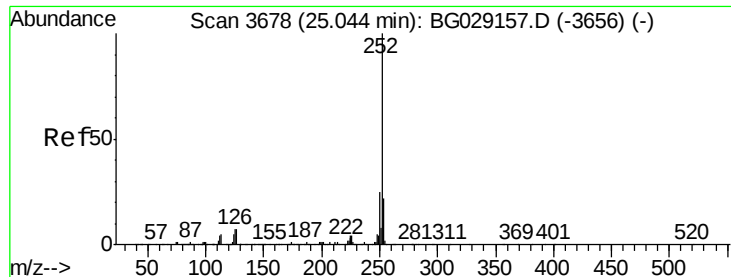
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	5.6	4.5	6.7



#25
Benzo(k)fluoranthene
Concen: 21.67 ng/ul
RT: 24.20 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BG029170.D
Acq: 11 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	6.1	5.1	7.7





#27

Benzo(a)pyrene

Concen: 21.32 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

Instrument :

BNA_G

ClientSampleId :

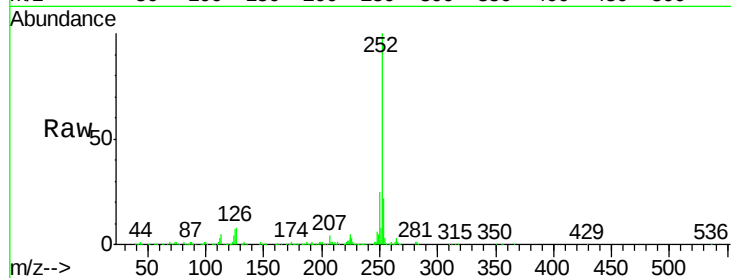
Tot Ion:252 Resp: 445104

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

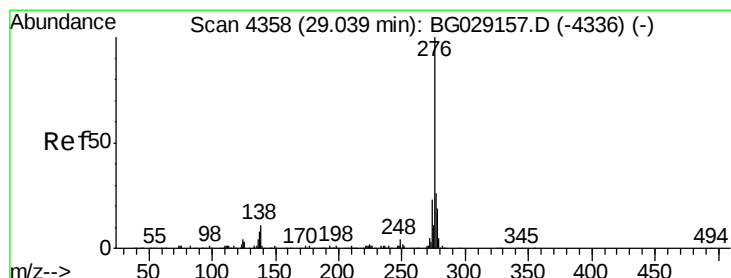
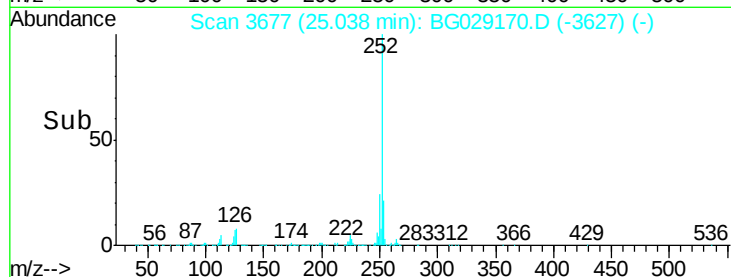
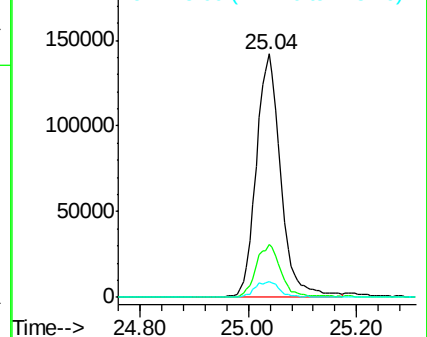
125 6.5 5.4 8.2



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

Indeno(1,2,3-cd)pyrene

Concen: 21.04 ng/ul

RT: 29.03 min Scan# 4357

Delta R.T. -0.01 min

Lab File: BG029170.D

Acq: 11 Oct 2017 17:58

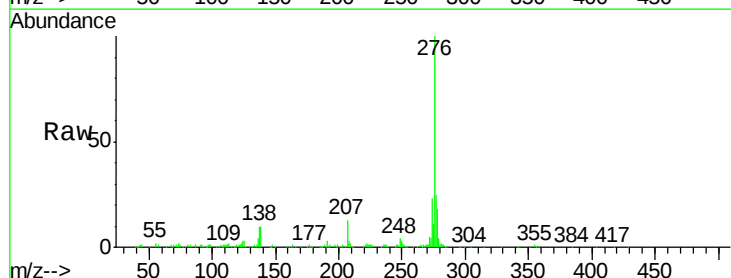
Tgt Ion:276 Resp: 418641

Ion Ratio Lower Upper

276 100

138 10.3 9.5 14.3

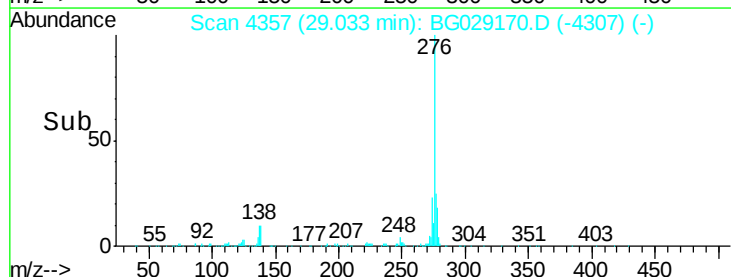
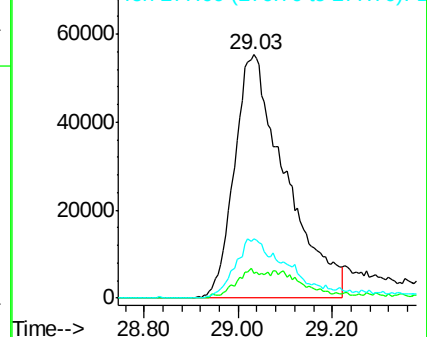
277 24.6 18.1 27.1

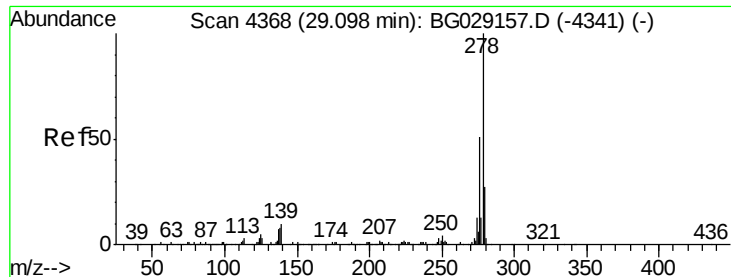


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

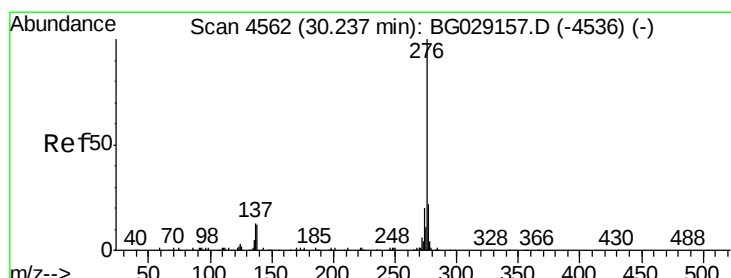
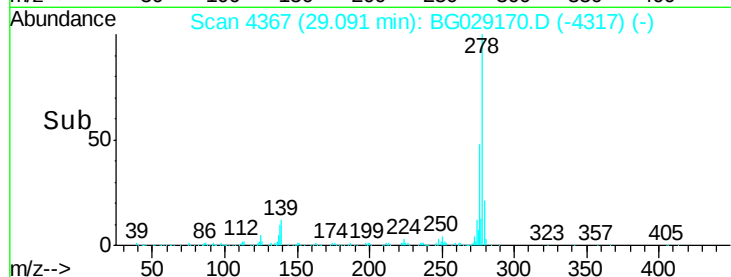
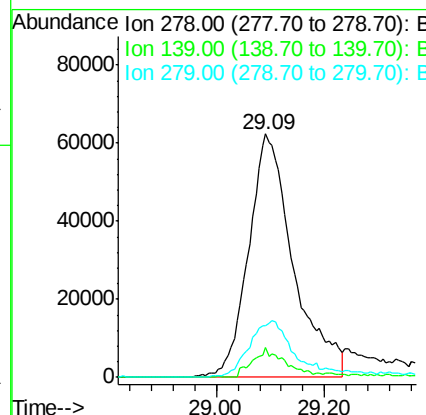
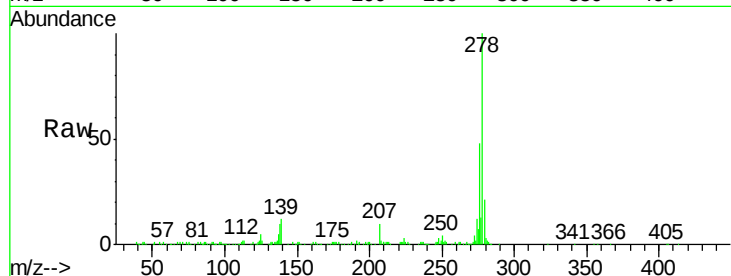




#29
Dibenzo(a,h)anthracene
Concen: 20.30 ng/ul
RT: 29.09 min Scan# 4367
Delta R.T. -0.01 min
Lab File: BG029170.D
Acq: 11 Oct 2017 17:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.2	8.3	12.5
279	21.4	17.1	25.7



#30
Benzo(g,h,i)perylene
Concen: 20.12 ng/ul
RT: 30.23 min Scan# 4561
Delta R.T. -0.01 min
Lab File: BG029170.D
Acq: 11 Oct 2017 17:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.3	9.3	13.9
277	20.7	17.9	26.9

