

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101117\
 Data File : BG029163.D
 Acq On : 11 Oct 2017 13:20
 Operator : SJ/JU
 Sample : I5668-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3G7

Quant Time: Oct 11 17:04:47 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

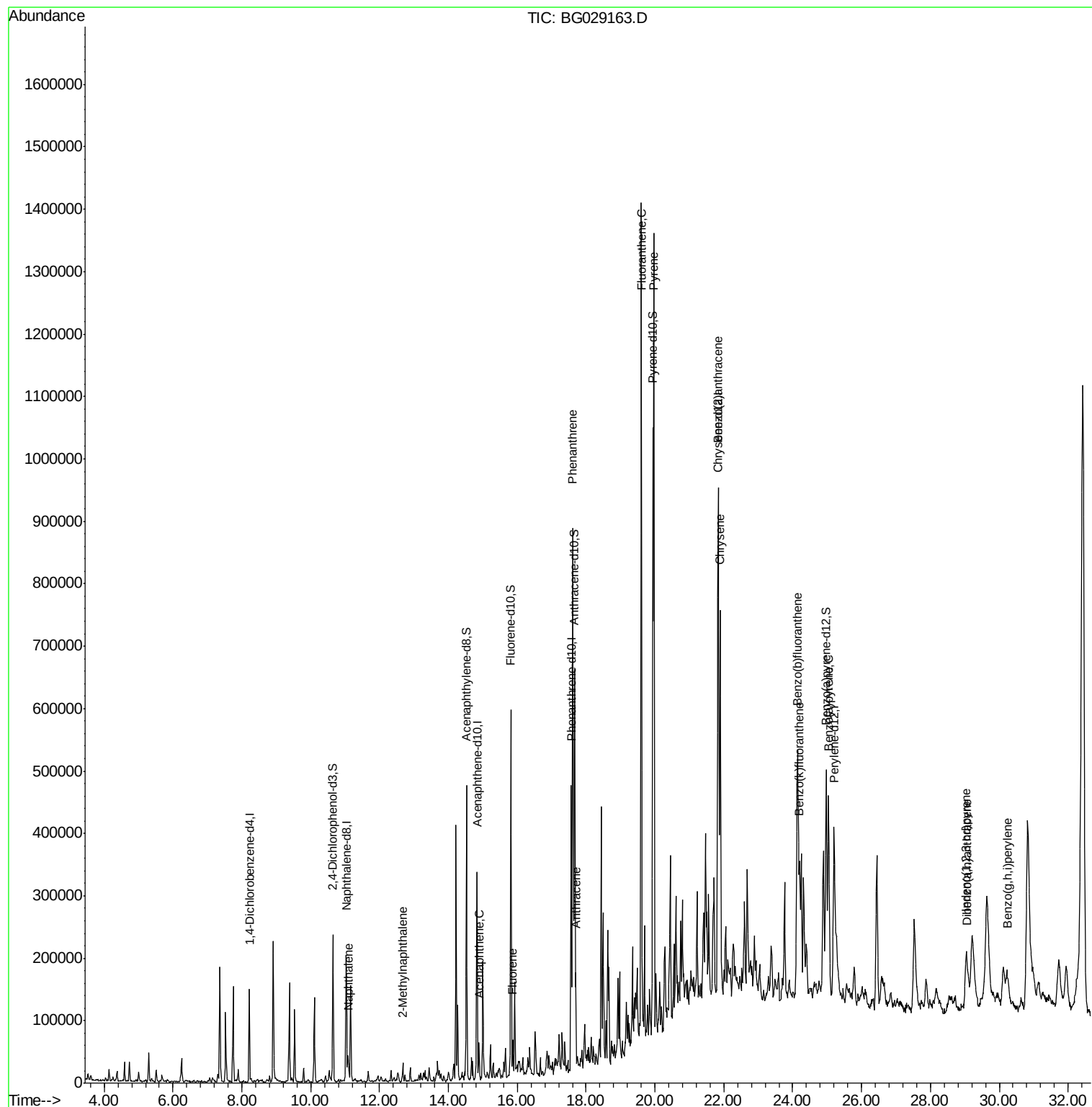
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	40037	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	175968	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	120599	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	285319	20.00	ng/ul	0.00
18) Chrysene-d12	21.84	240	302465	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	317160	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.65	165	90369	26.86	ng/ul	0.00
7) Acenaphthylene-d8	14.53	160	345580	28.58	ng/ul	0.00
10) Fluorene-d10	15.81	176	256155	27.00	ng/ul	0.00
15) Anthracene-d10	17.66	188	376382	26.69	ng/ul	0.00
19) Pyrene-d10	19.94	212	444865	27.99	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	422989	26.66	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.08	128	32210	3.482	ng/ul	98
5) 2-Methylnaphthalene	12.67	142	14193	2.006	ng/ul	99
9) Acenaphthene	14.89	153	25051	3.080	ng/ul	99
11) Fluorene	15.86	166	26179	2.794	ng/ul#	95
14) Phenanthrene	17.61	178	543523	35.168	ng/ul	99
16) Anthracene	17.70	178	98196	6.198	ng/ul	96
17) Fluoranthene	19.61	202	843675	46.392	ng/ul	100
20) Pyrene	19.96	202	819701	44.698	ng/ul	99
21) Benzo(a)anthracene	21.83	228	461152	25.024	ng/ul	97
22) Chrysene	21.90	228	480489	28.886	ng/ul	99
24) Benzo(b)fluoranthene	24.14	252	577385	29.544	ng/ul	99
25) Benzo(k)fluoranthene	24.20	252	206107	10.706	ng/ul	96
27) Benzo(a)pyrene	25.04	252	395438	20.733	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	29.03	276	213557	11.747	ng/ul#	91
29) Dibenzo(a,h)anthracene	29.08	278	59903	3.713	ng/ul#	91
30) Benzo(g,h,i)perylene	30.25	276	154965	12.225	ng/ul#	95

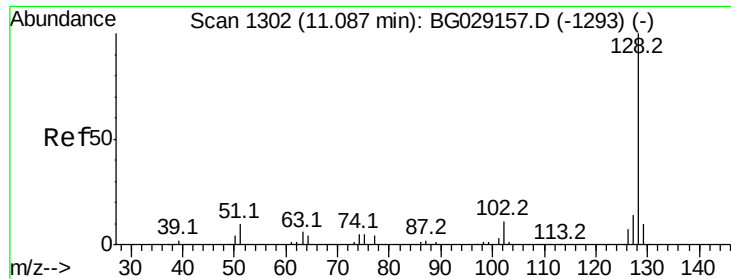
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 3.482 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

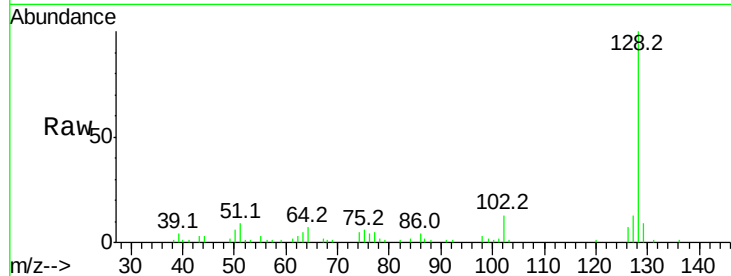
Tot Ion:128 Resp: 32210

Ion Ratio Lower Upper

128 100

129 9.4 9.0 13.4

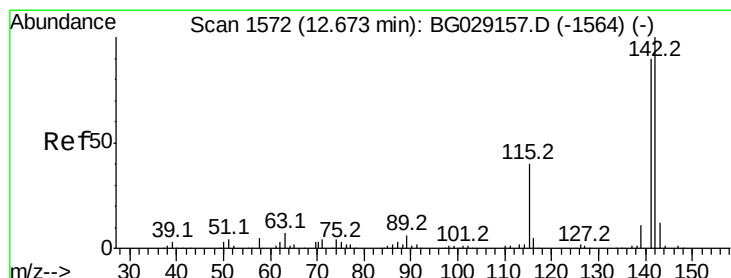
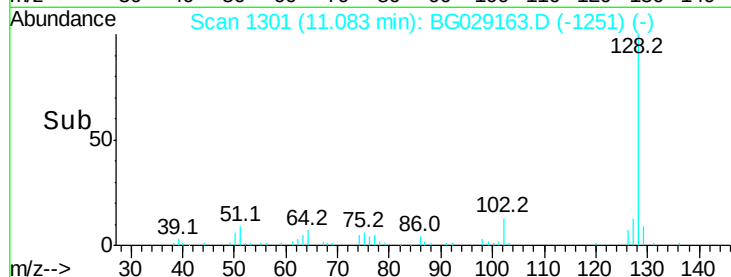
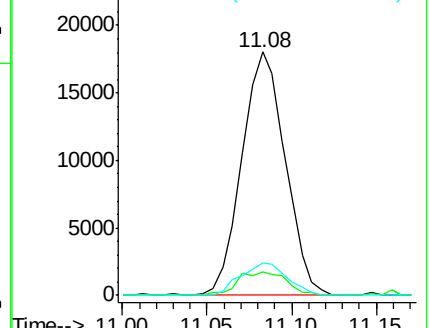
127 13.4 10.6 15.8



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: 2.006 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BG029163.D

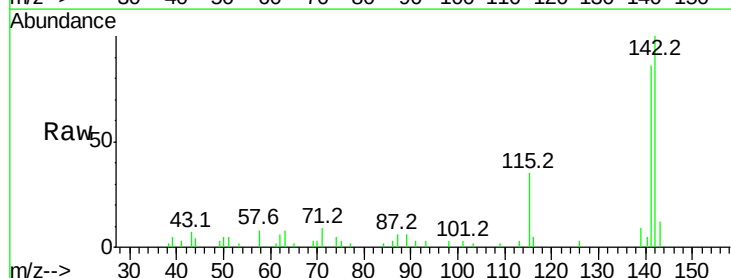
Acq: 11 Oct 2017 13:20

Tgt Ion:142 Resp: 14193

Ion Ratio Lower Upper

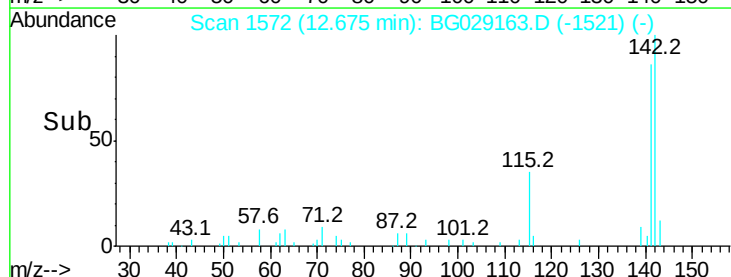
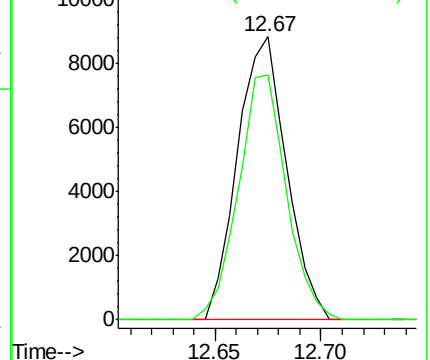
142 100

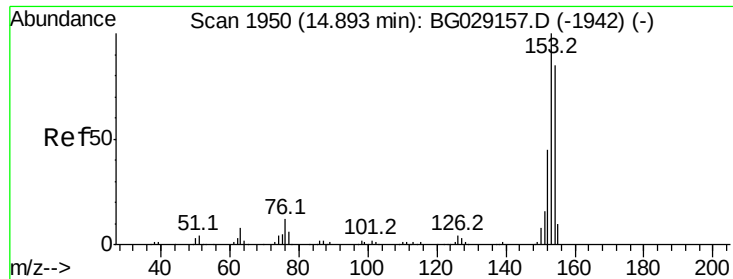
141 86.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 3.080 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

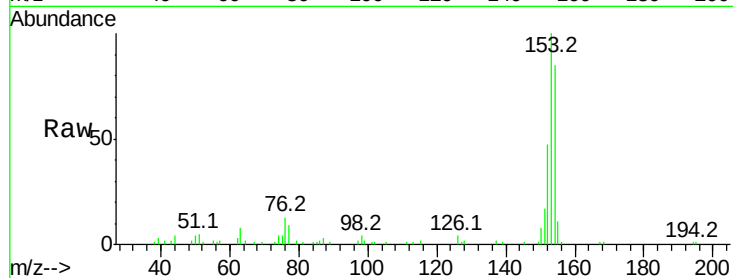
Tot Ion:153 Resp: 25051

Ion Ratio Lower Upper

153 100

152 47.2 36.2 54.4

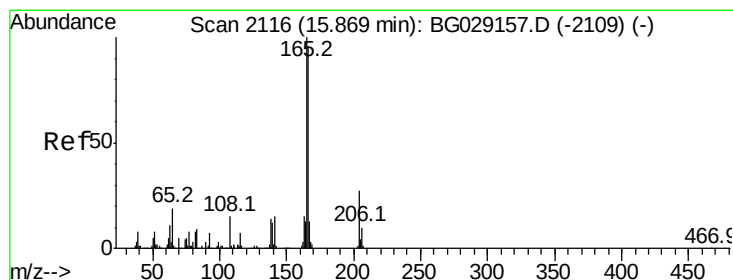
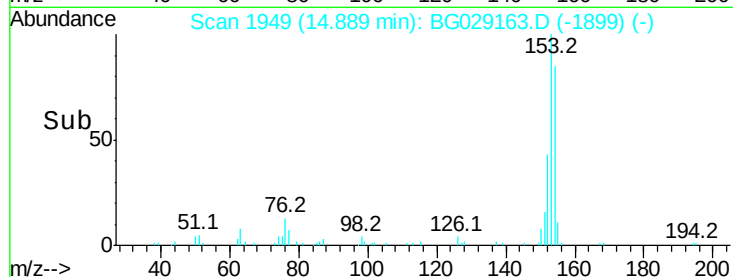
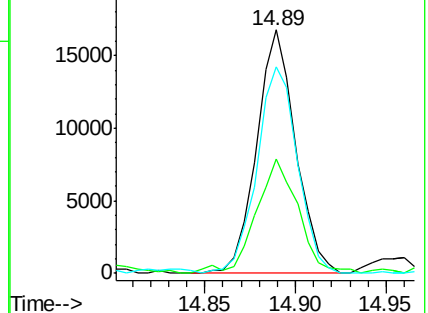
154 85.0 68.4 102.6



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: 2.794 ng/ul

RT: 15.86 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

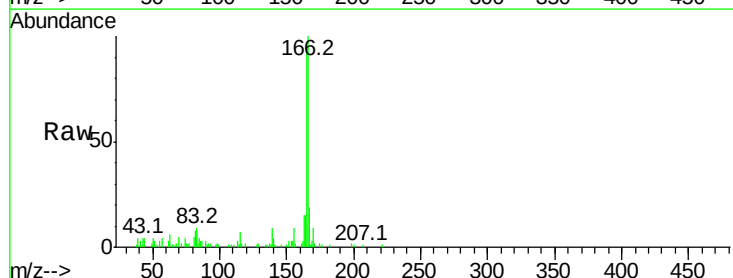
Tgt Ion:166 Resp: 26179

Ion Ratio Lower Upper

166 100

165 94.9 79.4 119.0

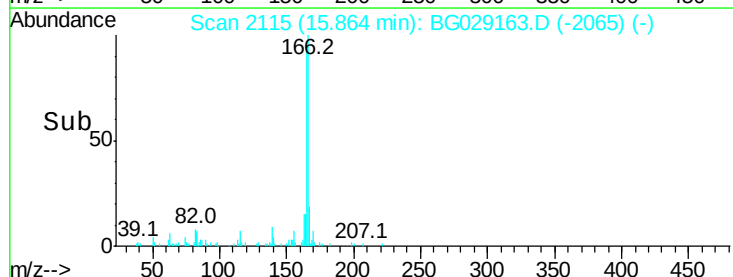
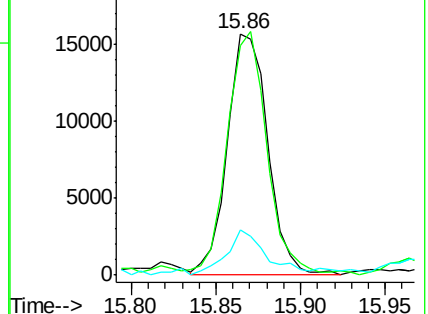
167 18.5 10.2 15.4#

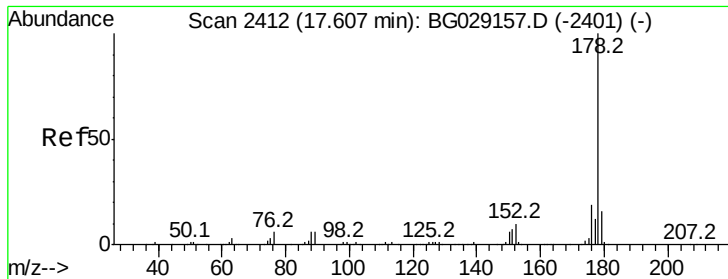


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 35.168 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

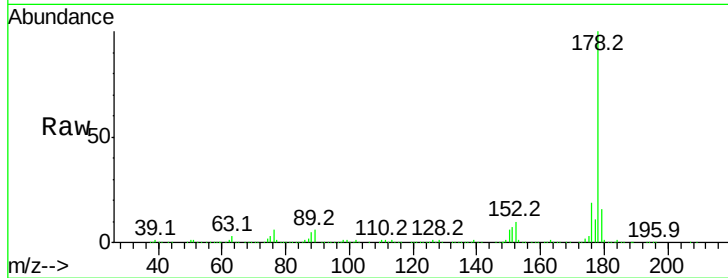
Tot Ion:178 Resp: 543523

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.2

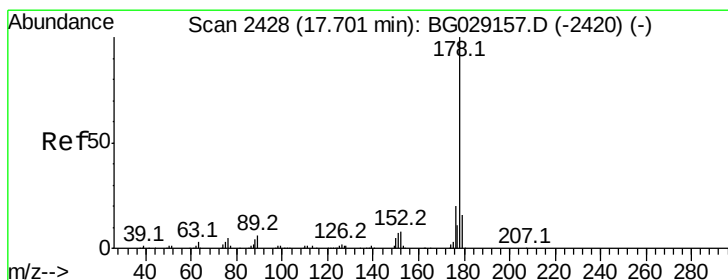
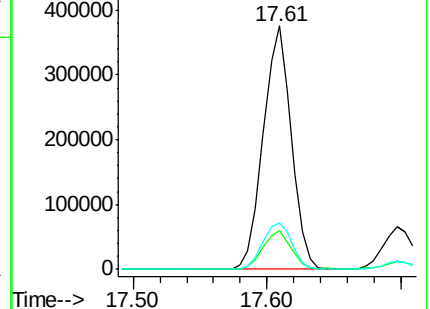
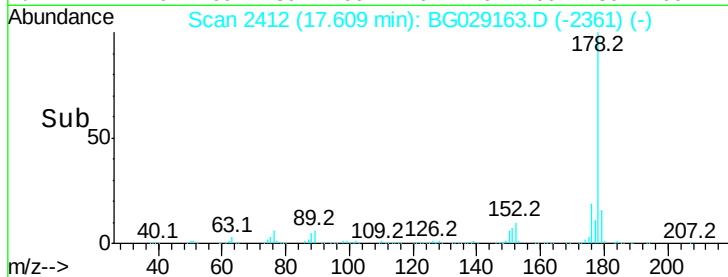
176 19.3 15.0 22.6



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

Anthracene

Concen: 6.198 ng/ul

RT: 17.70 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

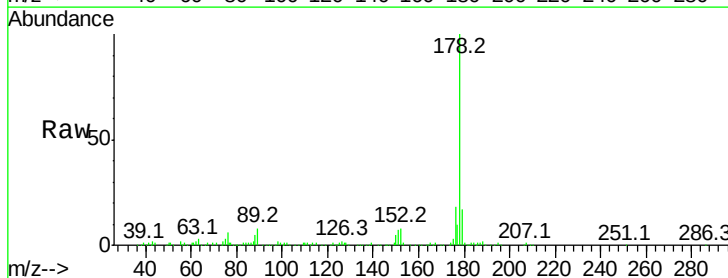
Tgt Ion:178 Resp: 98196

Ion Ratio Lower Upper

178 100

179 17.5 12.5 18.7

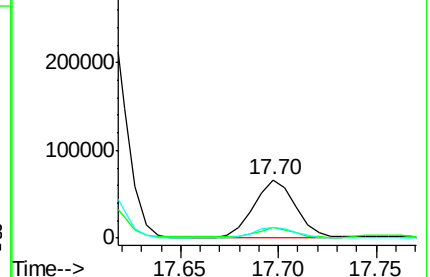
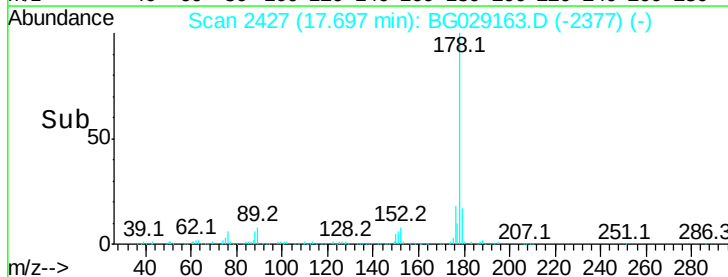
176 18.1 15.7 23.5

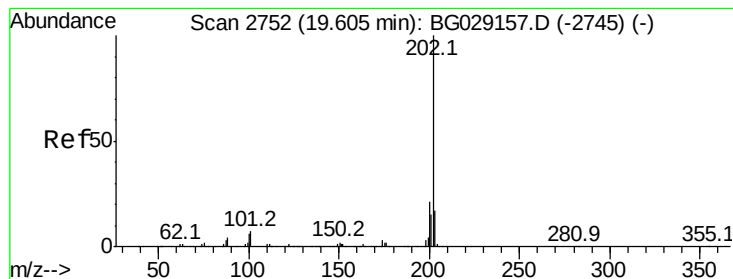


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 46.392 ng/ul

RT: 19.61 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

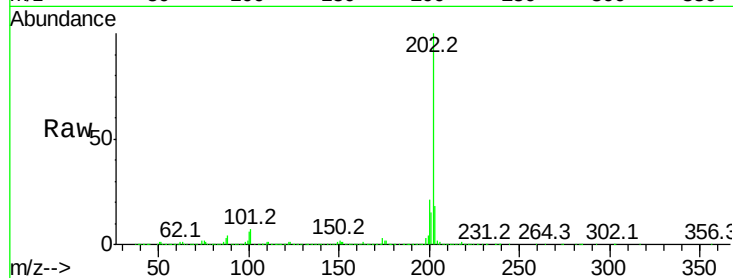
Tot Ion:202 Resp: 843675

Ion Ratio Lower Upper

202 100

101 6.9 5.6 8.4

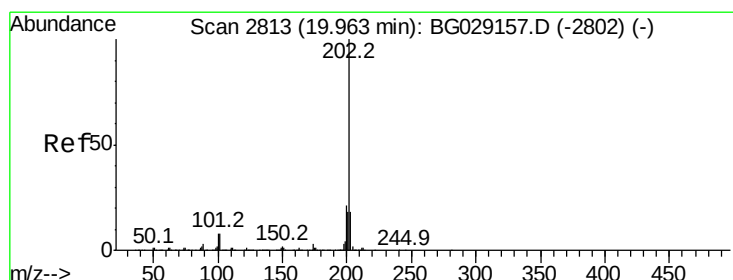
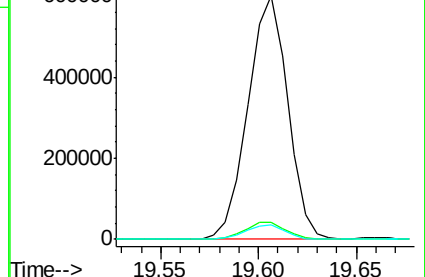
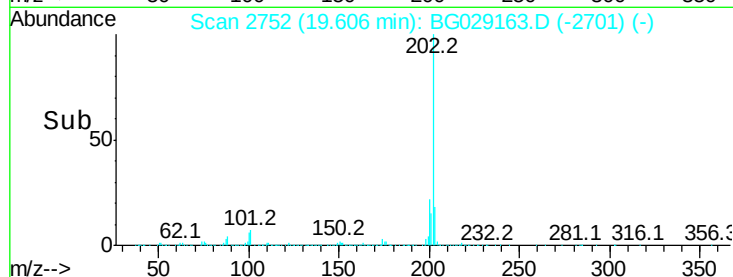
100 5.8 4.7 7.1



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: 44.698 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

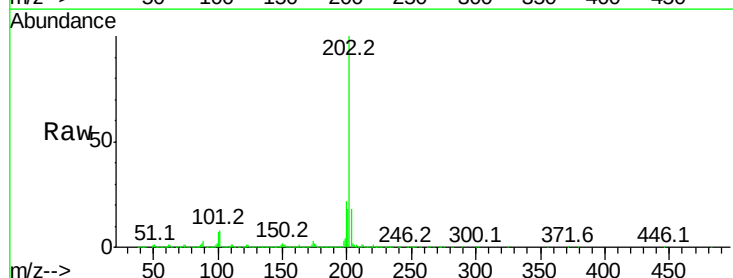
Tgt Ion:202 Resp: 819701

Ion Ratio Lower Upper

202 100

101 8.3 6.5 9.7

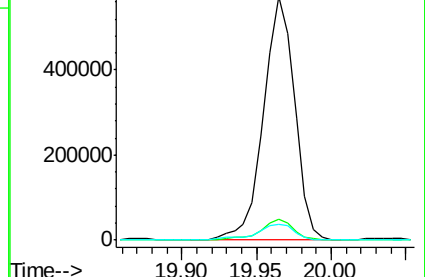
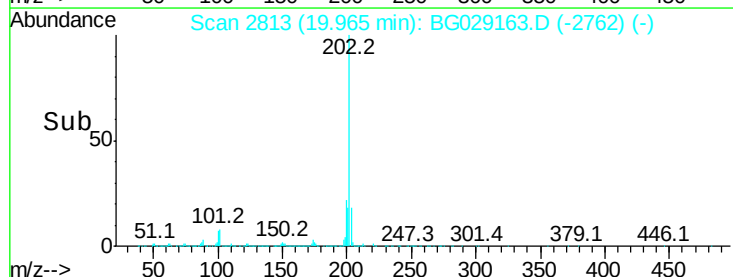
100 6.7 5.5 8.3

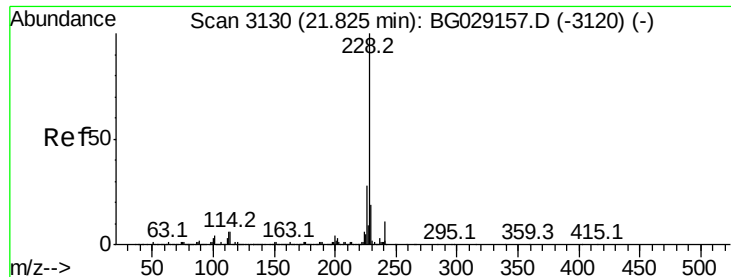


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 25.024 ng/ul

RT: 21.83 min Scan# 3130

Delta R.T. 0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

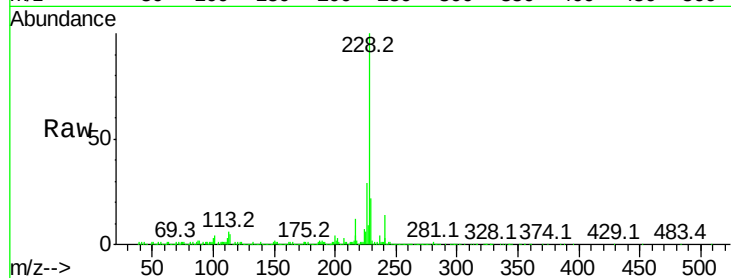
Tot Ion:228 Resp: 461152

Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.8

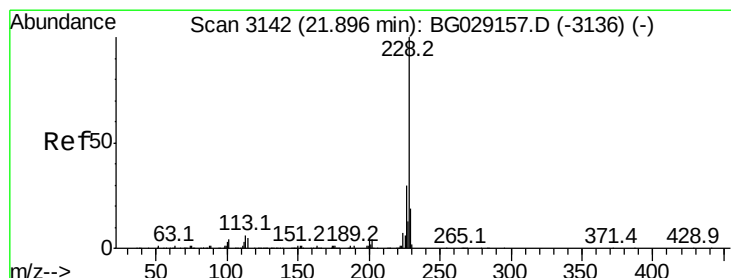
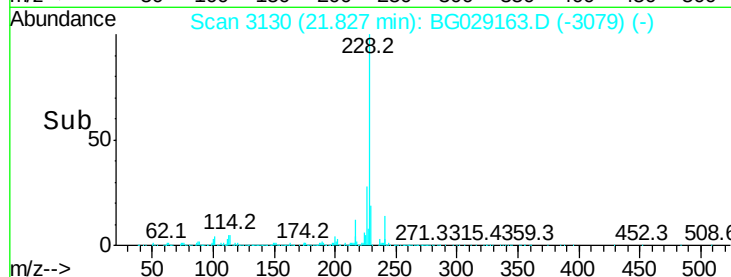
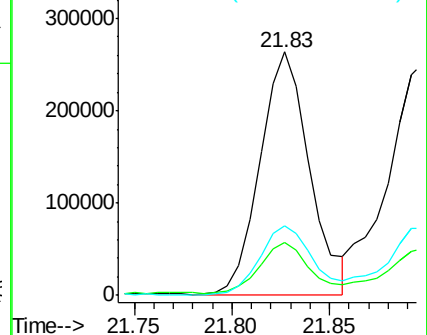
226 28.5 21.6 32.4



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: 28.886 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

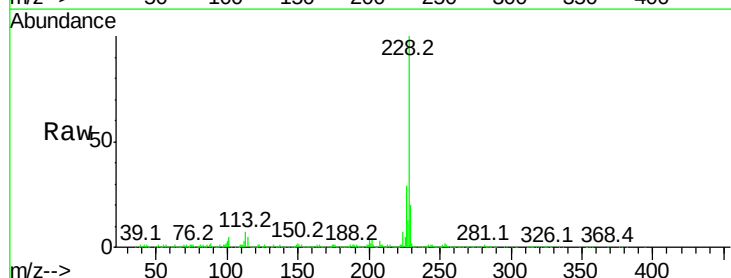
Tgt Ion:228 Resp: 480489

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.0

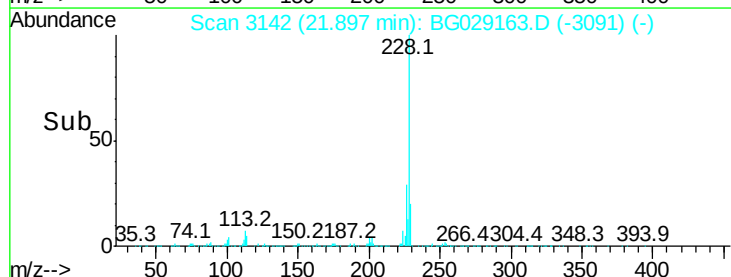
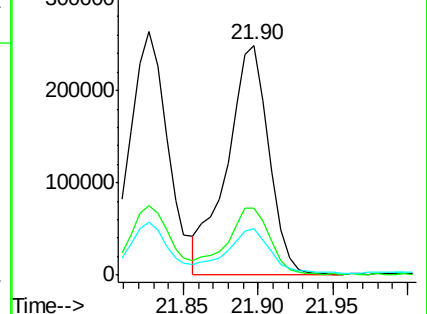
229 20.3 15.7 23.5

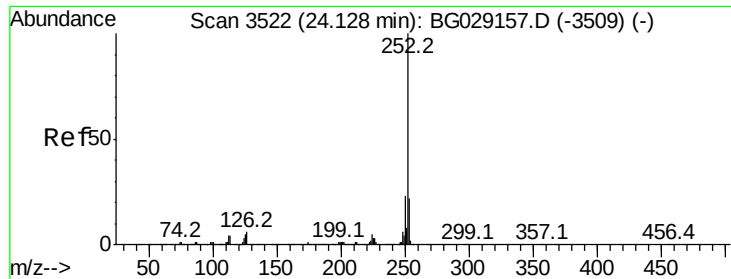


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 29.544 ng/ul

RT: 24.14 min Scan# 3523

Delta R.T. 0.01 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

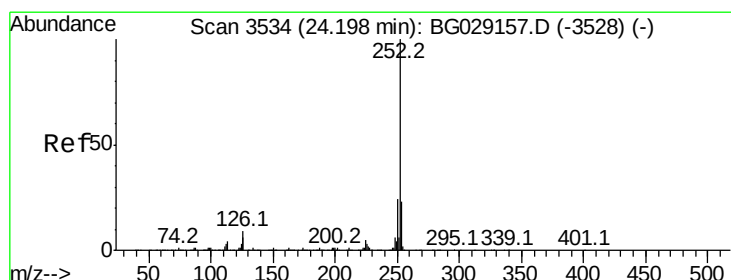
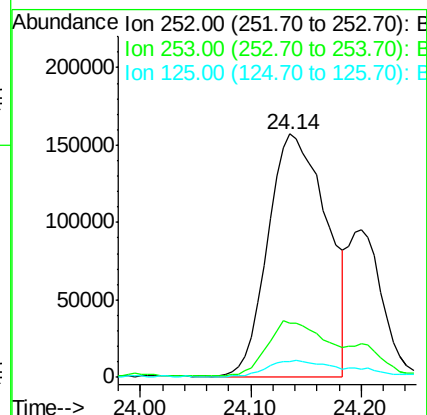
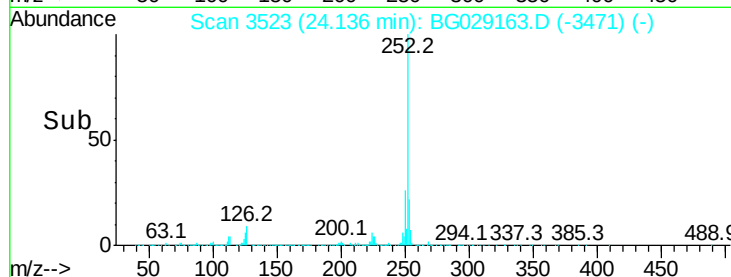
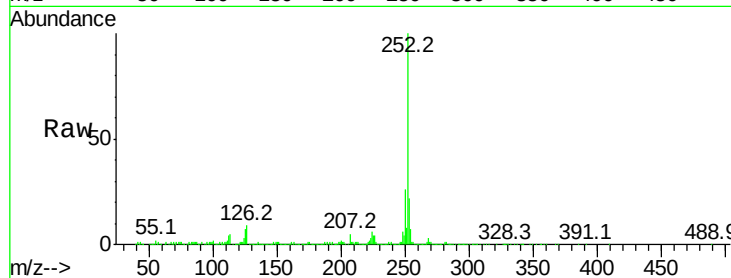
Tot Ion:252 Resp: 577385

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 6.5 4.5 6.7



#25

Benzo(k)fluoranthene

Concen: 10.706 ng/ul

RT: 24.20 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

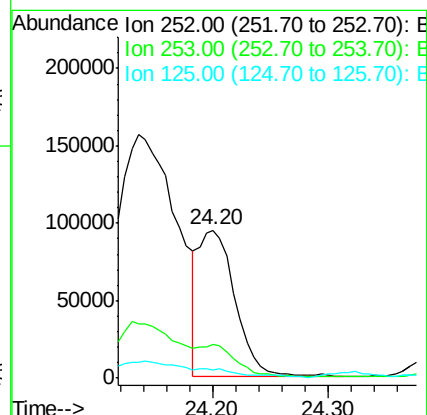
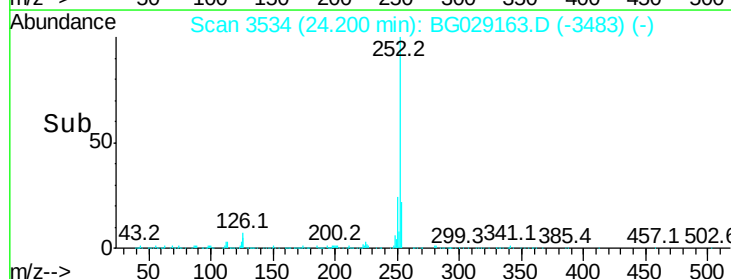
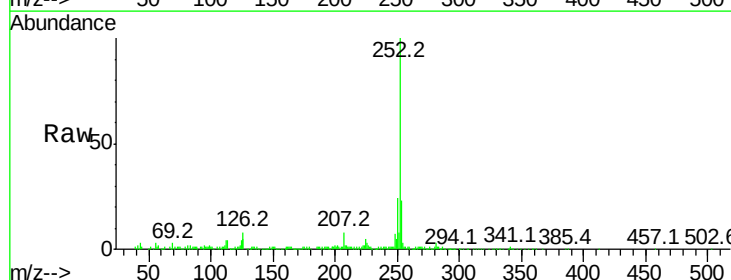
Tgt Ion:252 Resp: 206107

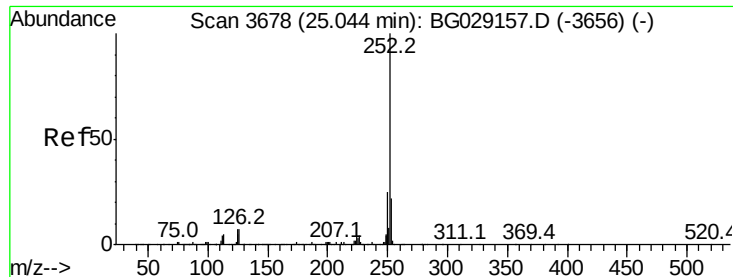
Ion Ratio Lower Upper

252 100

253 22.9 16.8 25.2

125 5.3 5.1 7.7





#27

Benzo(a)pyrene

Concen: 20.733 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

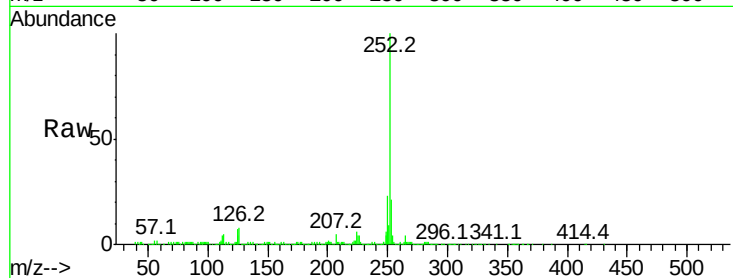
Tot Ion:252 Resp: 395438

Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

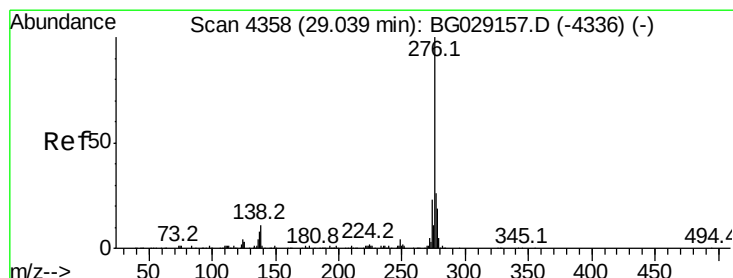
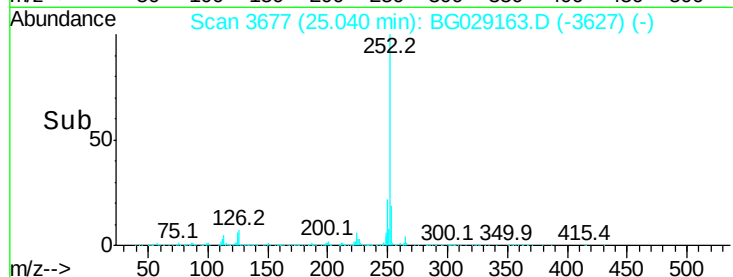
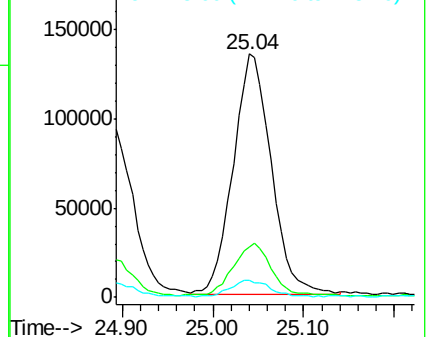
125 6.9 5.4 8.2



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: 11.747 ng/ul

RT: 29.03 min Scan# 4357

Delta R.T. -0.00 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

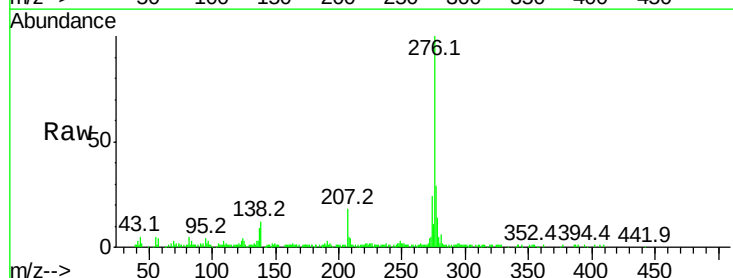
Tgt Ion:276 Resp: 213557

Ion Ratio Lower Upper

276 100

138 11.7 9.5 14.3

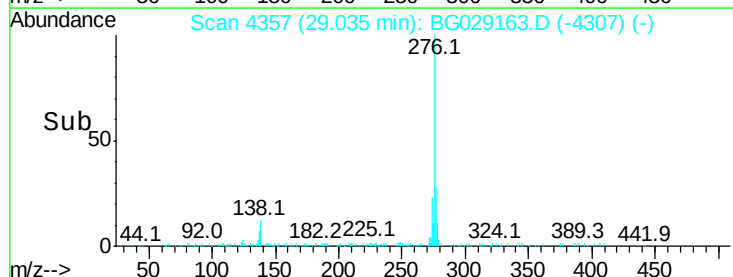
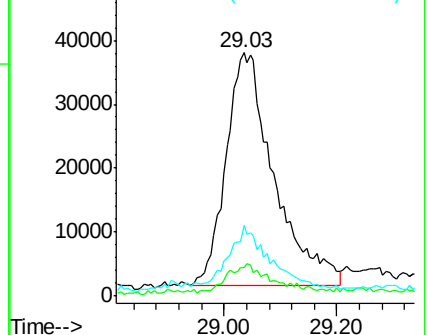
277 29.0 18.1 27.1#

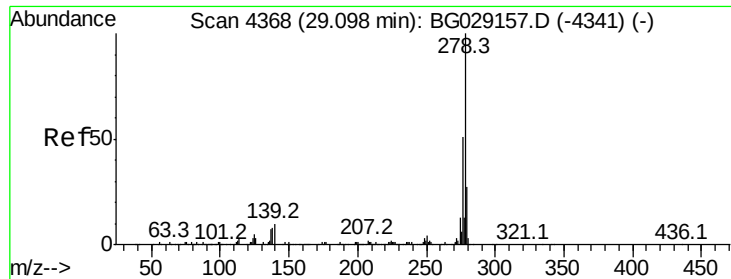


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 3.713 ng/ul

RT: 29.08 min Scan# 4365

Delta R.T. -0.02 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

Instrument :

BNA_G

ClientSampleId :

CB3G7

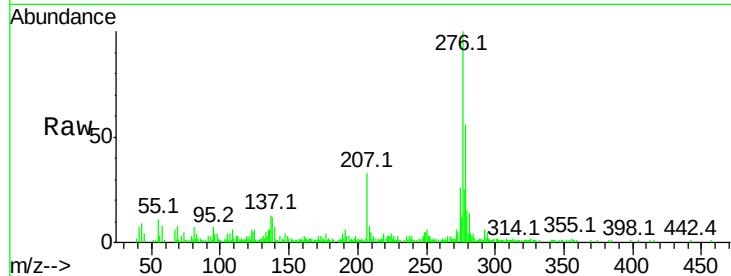
Tot Ion:278 Resp: 59903

Ion Ratio Lower Upper

278 100

139 11.6 8.3 12.5

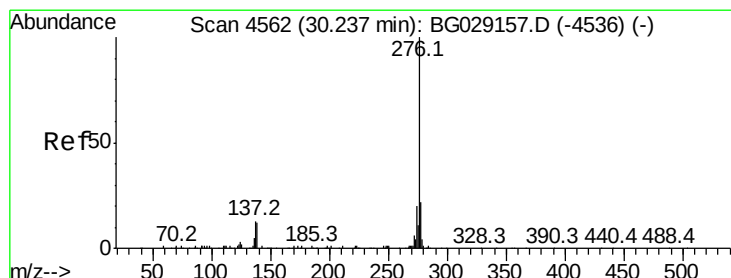
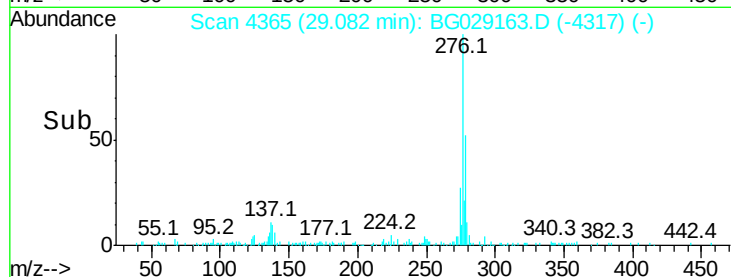
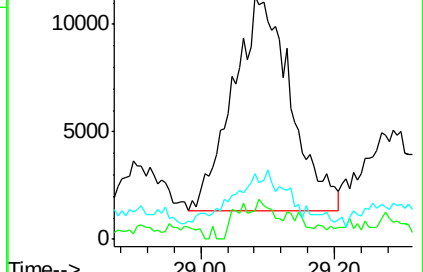
279 27.1 17.1 25.7#



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



#30

Benzo(g,h,i)perylene

Concen: 12.225 ng/ul

RT: 30.25 min Scan# 4564

Delta R.T. 0.01 min

Lab File: BG029163.D

Acq: 11 Oct 2017 13:20

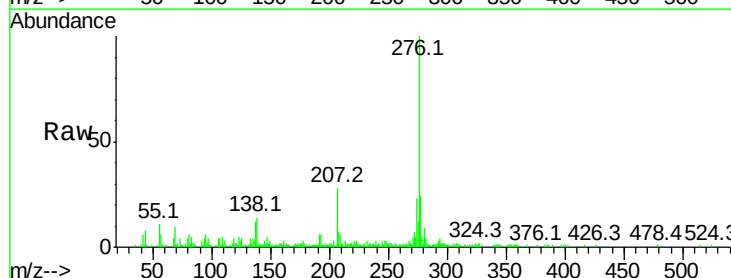
Tgt Ion:276 Resp: 154965

Ion Ratio Lower Upper

276 100

138 14.1 9.3 13.9#

277 24.4 17.9 26.9



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

