

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101317\
 Data File : BG029182.D
 Acq On : 12 Oct 2017 2:01
 Operator : SJ/JU
 Sample : I5668-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 08:54:37 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

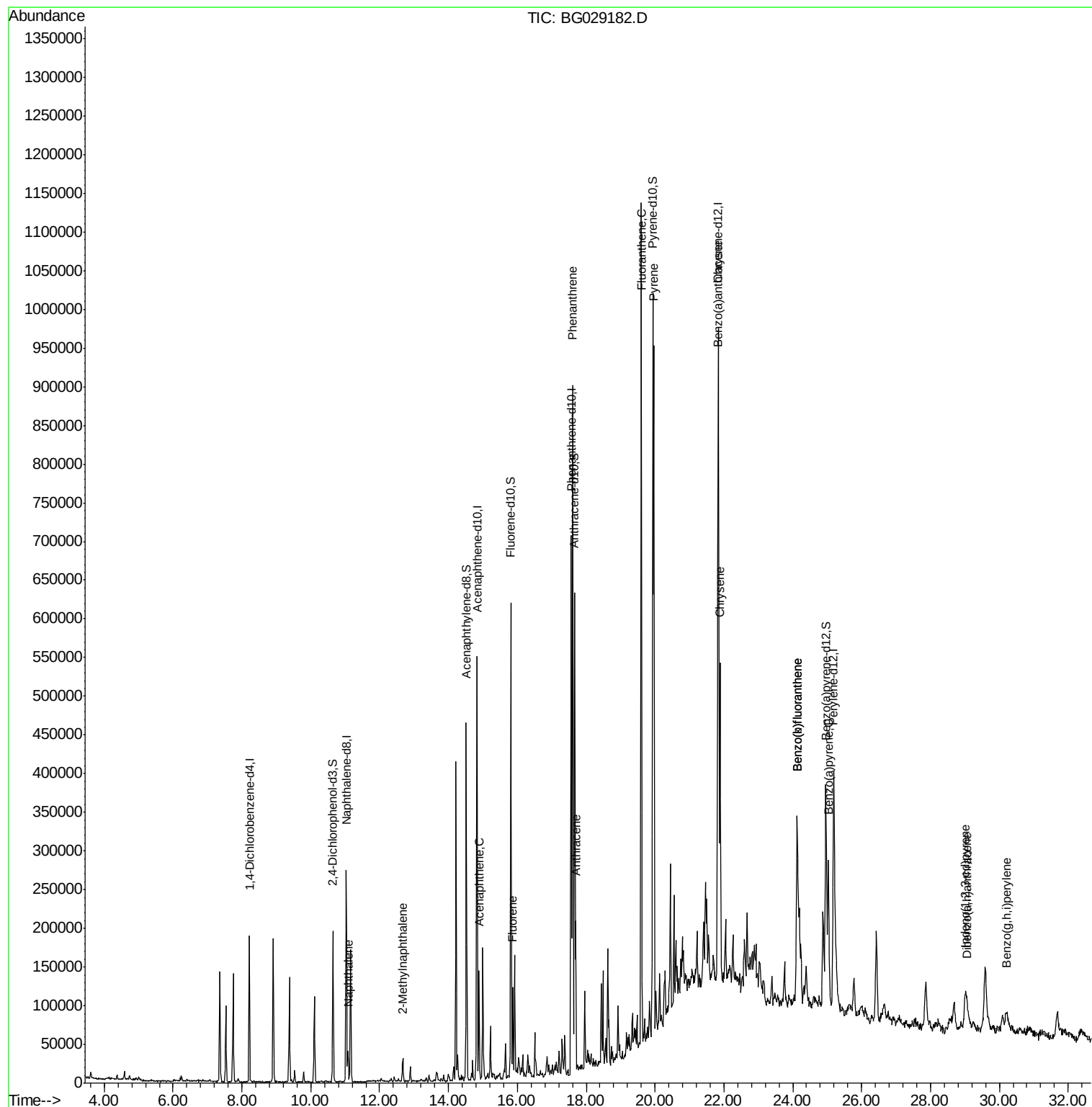
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	54172	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	231897	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	192429	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	428287	20.00	ng/ul	0.00
18) Chrysene-d12	21.84	240	425081	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	392342	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.64	165	73918	16.67	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	341131	17.68	ng/ul	0.00
10) Fluorene-d10	15.81	176	251692	16.63	ng/ul	0.00
15) Anthracene-d10	17.66	188	367002	17.34	ng/ul	0.00
19) Pyrene-d10	19.93	212	415227	18.59	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	344422	17.55	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.08	128	32469	2.66	ng/ul#	95
5) 2-Methylnaphthalene	12.67	142	14866	1.59	ng/ul	98
9) Acenaphthene	14.89	153	57868	4.46	ng/ul	97
11) Fluorene	15.87	166	54524	3.65	ng/ul	97
14) Phenanthrene	17.61	178	542285	23.38	ng/ul	97
16) Anthracene	17.70	178	124730	5.24	ng/ul	100
17) Fluoranthene	19.60	202	697296	25.54	ng/ul#	96
20) Pyrene	19.96	202	566207	21.97	ng/ul#	93
21) Benzo(a)anthracene	21.82	228	338083	13.05	ng/ul	97
22) Chrysene	21.89	228	292855	12.53	ng/ul	97
24) Benzo(b)fluoranthene	24.13	252	353704	14.63	ng/ul	98
25) Benzo(k)fluoranthene	24.13	252	353704	14.85	ng/ul	97
27) Benzo(a)pyrene	25.04	252	233978	9.92	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	29.02	276	119451	5.31	ng/ul	95
29) Dibenzo(a,h)anthracene	29.07	278	32364	1.62	ng/ul#	84
30) Benzo(g,h,i)perylene	30.23	276	76050	4.85	ng/ul	98

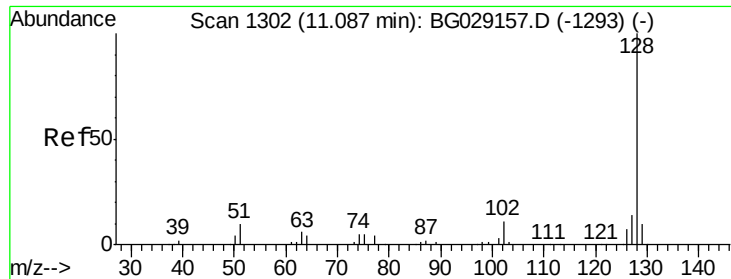
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 2.66 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

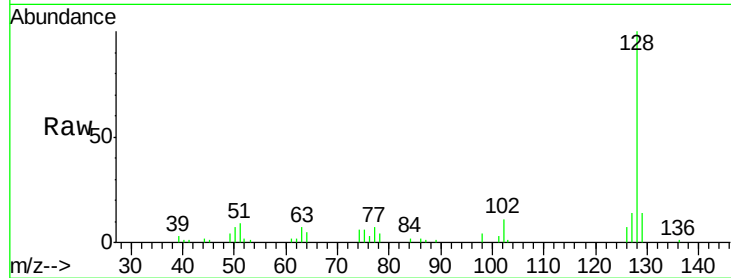
Instrument :

BNA_G

ClientSampleId :

Tot Ion:128 Resp: 32469

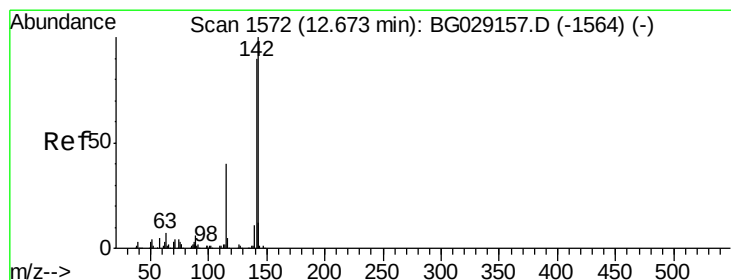
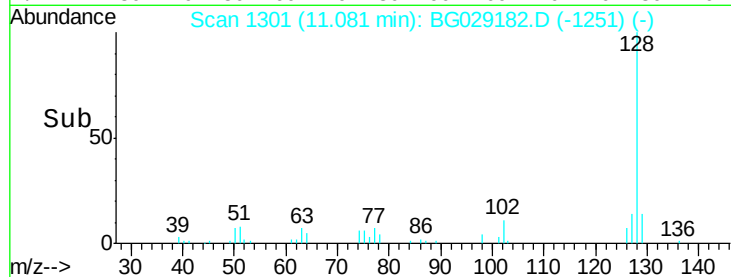
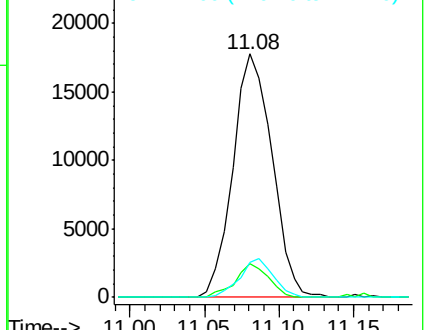
Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.0	13.4
127	14.2	10.6	15.8



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: 1.59 ng/ul

RT: 12.67 min Scan# 1572

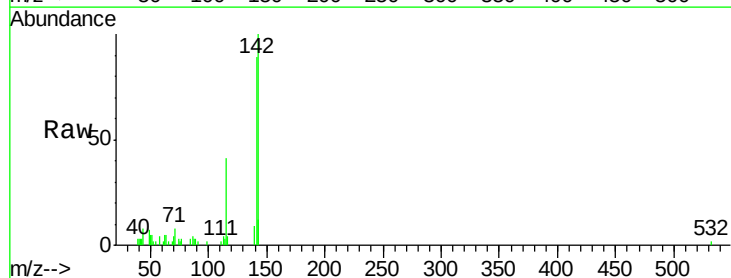
Delta R.T. -0.00 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

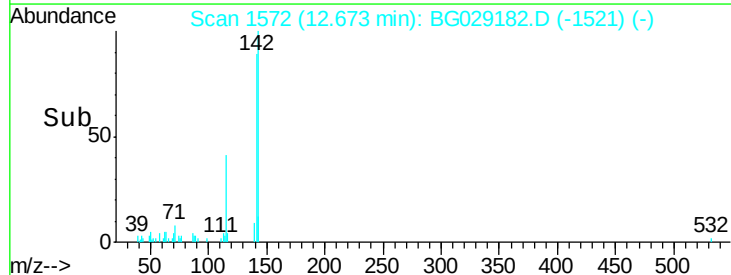
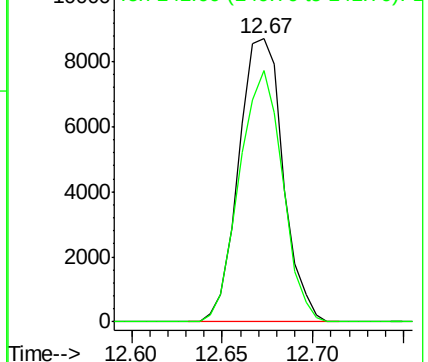
Tgt Ion:142 Resp: 14866

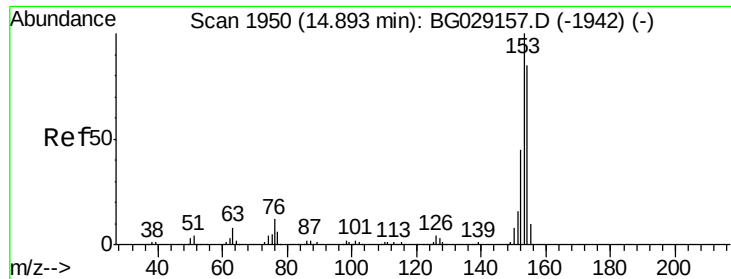
Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 4.46 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

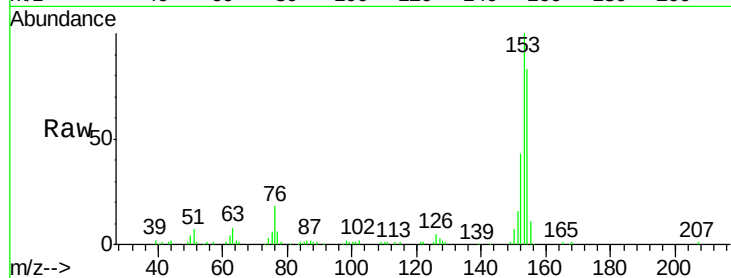
Tot Ion:153 Resp: 57868

Ion Ratio Lower Upper

153 100

152 43.2 36.2 54.4

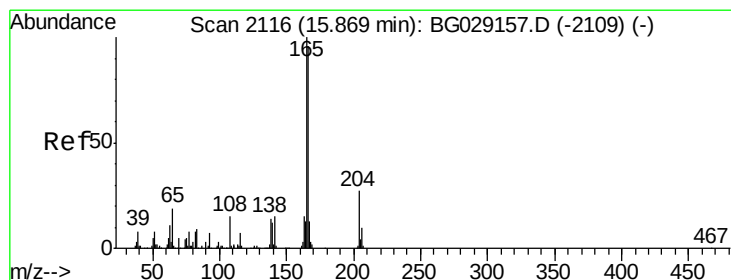
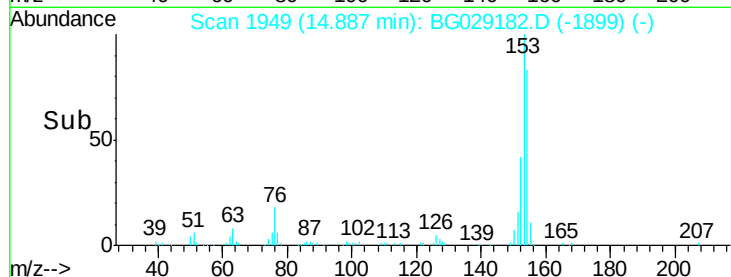
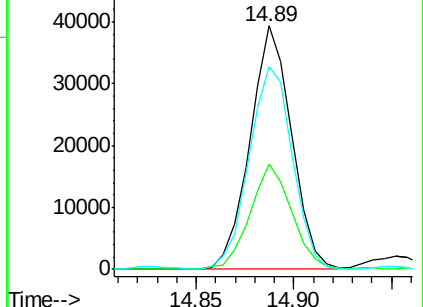
154 83.3 68.4 102.6



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: 3.65 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

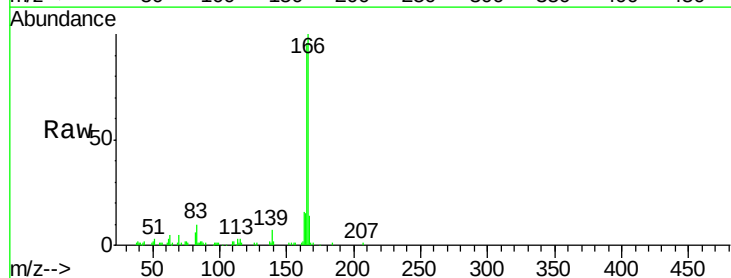
Tgt Ion:166 Resp: 54524

Ion Ratio Lower Upper

166 100

165 95.8 79.4 119.0

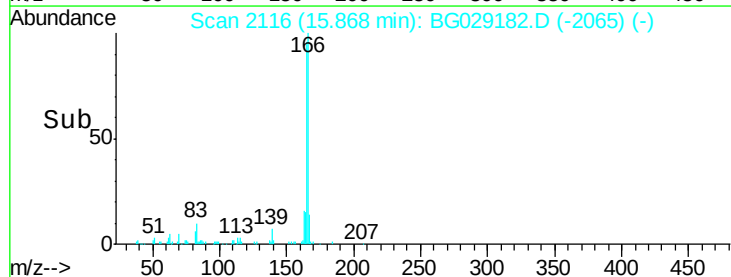
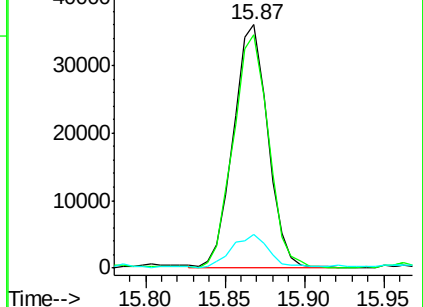
167 13.8 10.2 15.4

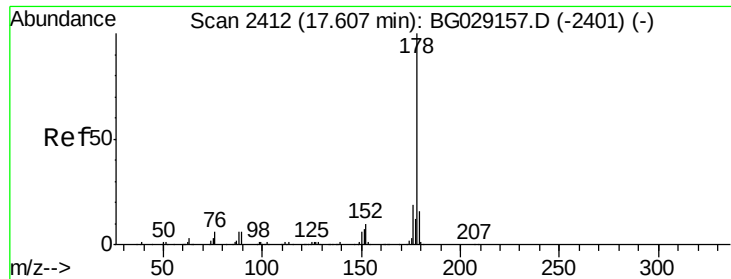


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 23.38 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

Instrument :

BNA_G

ClientSampled :

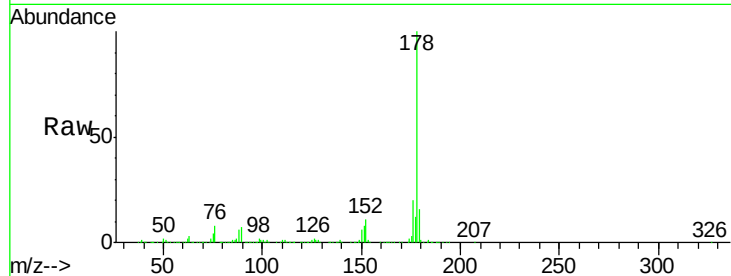
Tot Ion:178 Resp: 542285

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.2

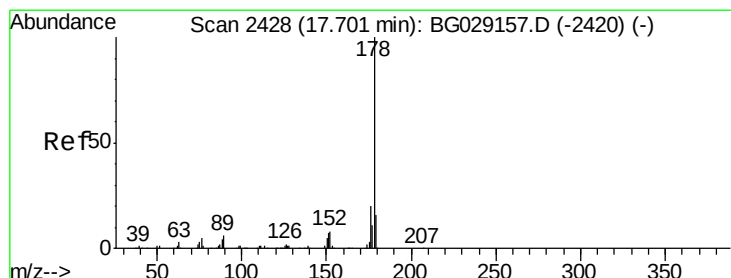
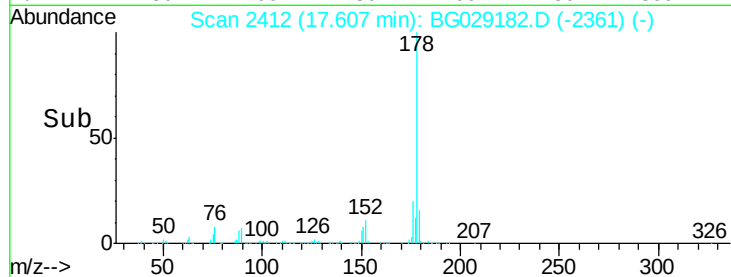
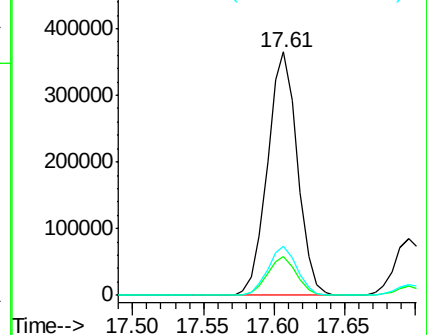
176 20.2 15.0 22.6



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: 5.24 ng/ul

RT: 17.70 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

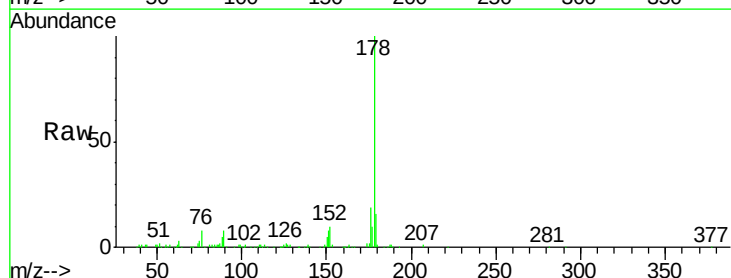
Tgt Ion:178 Resp: 124730

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

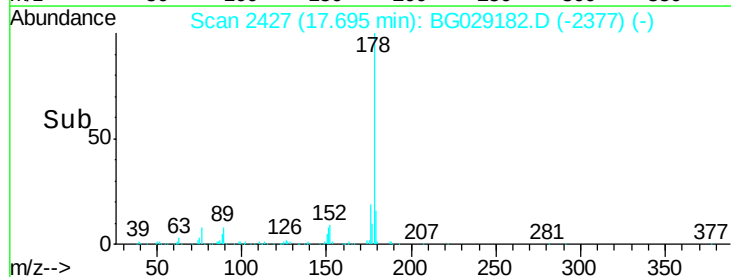
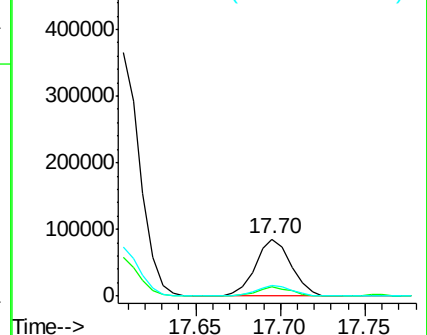
176 19.4 15.7 23.5

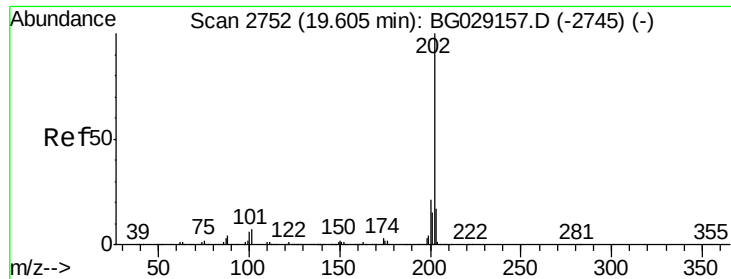


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

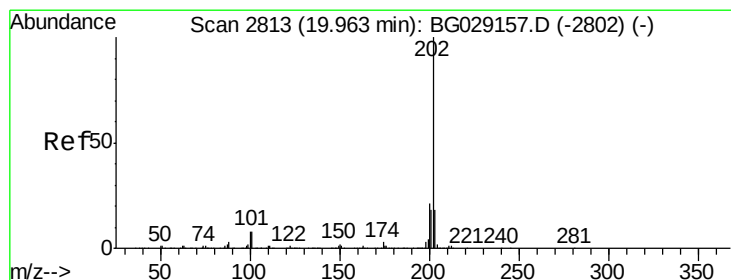
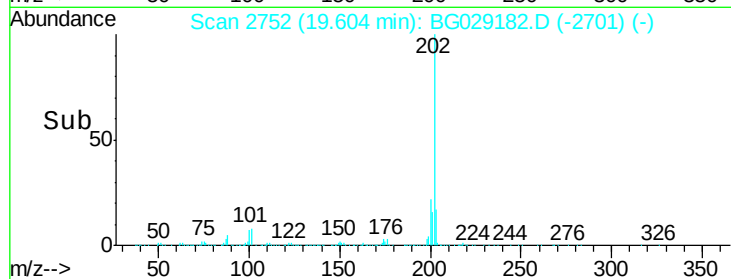
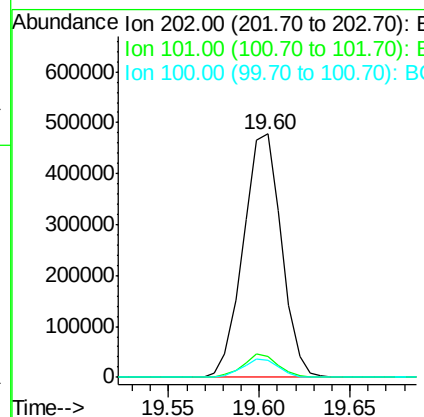
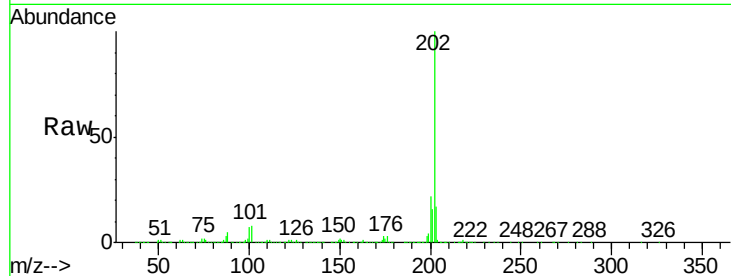




#17
 Fluoranthene
 Concen: 25.54 ng/ul
 RT: 19.60 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: BG029182.D
 Acq: 12 Oct 2017 2:01

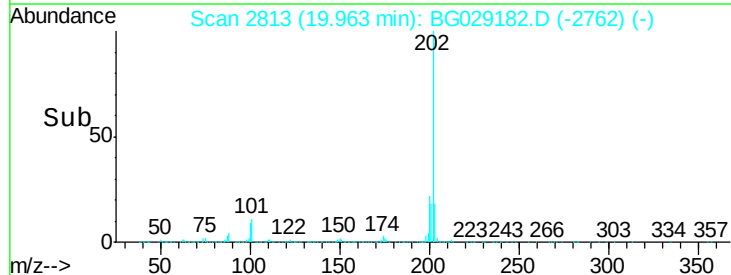
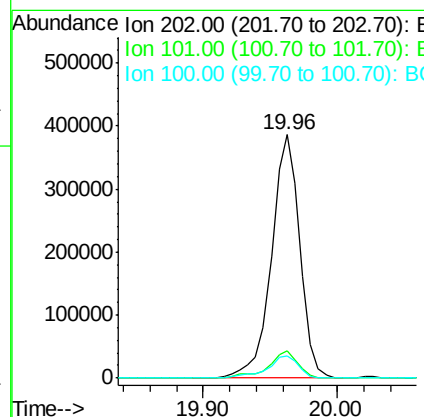
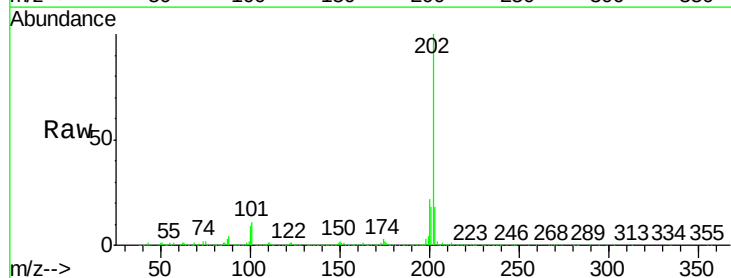
Instrument :
 BNA_G
 ClientSampleId :

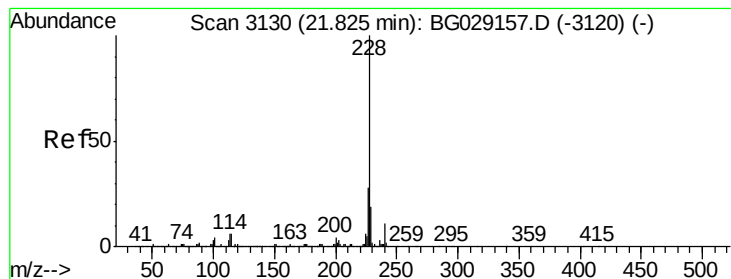
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.4	5.6	8.4#
100	7.3	4.7	7.1#



#20
 Pyrene
 Concen: 21.97 ng/ul
 RT: 19.96 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BG029182.D
 Acq: 12 Oct 2017 2:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	6.5	9.7#
100	9.1	5.5	8.3#





#21

Benzo(a)anthracene

Concen: 13.05 ng/ul

RT: 21.82 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

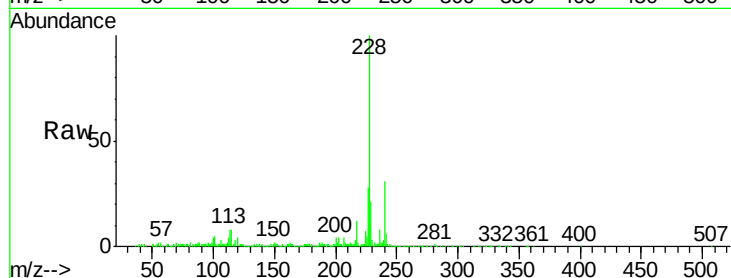
Tot Ion:228 Resp: 338083

Ion Ratio Lower Upper

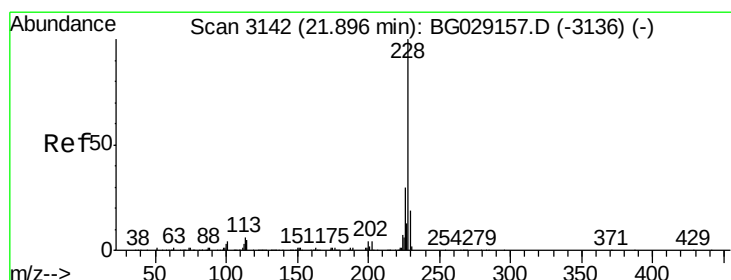
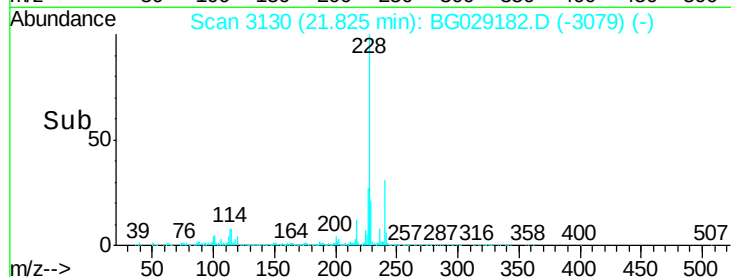
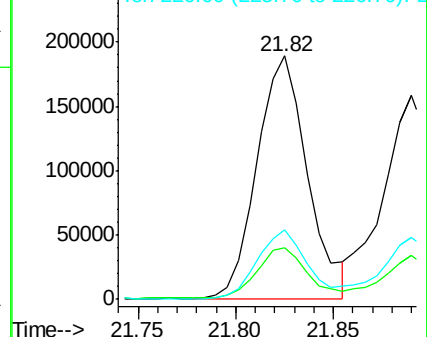
228 100

229 21.0 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: 12.53 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

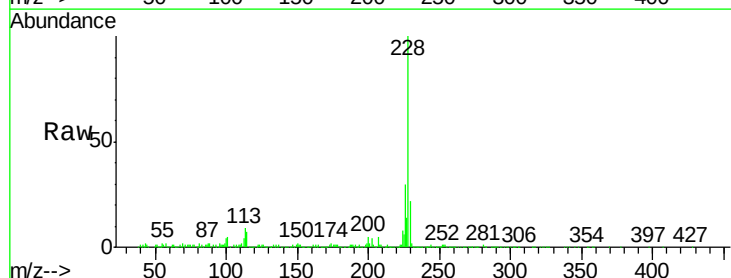
Tgt Ion:228 Resp: 292855

Ion Ratio Lower Upper

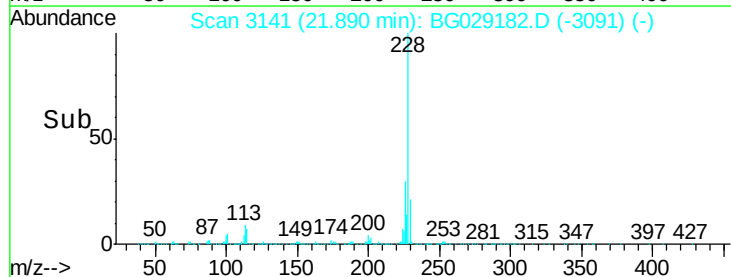
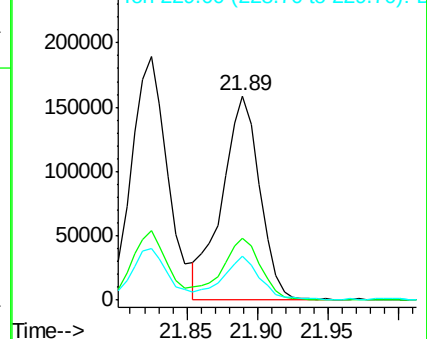
228 100

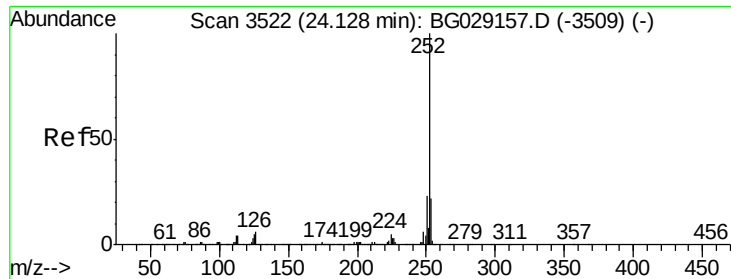
226 30.4 23.4 35.0

229 21.7 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

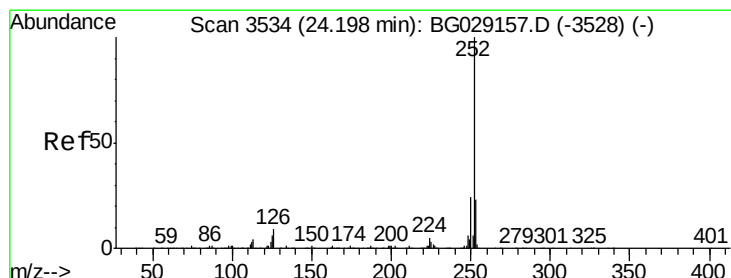
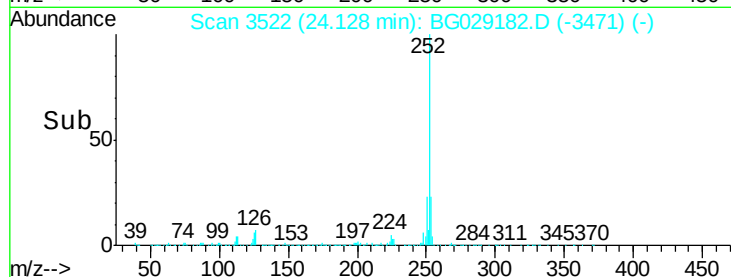
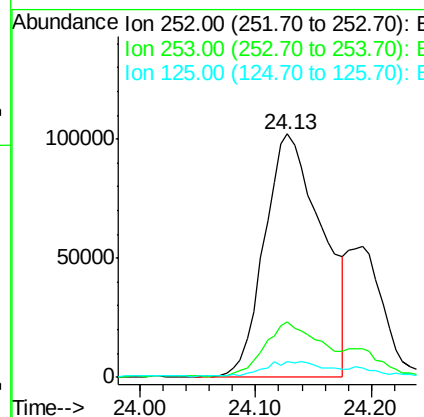
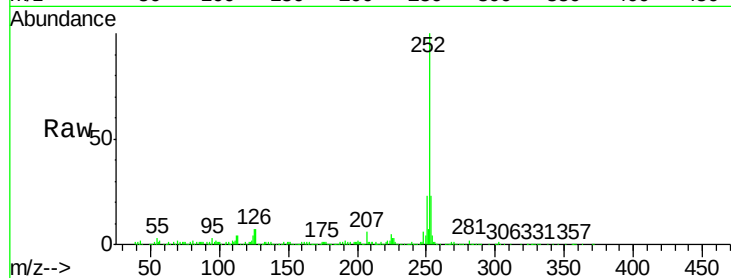




#24
Benzo(b)fluoranthene
Concen: 14.63 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. -0.00 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

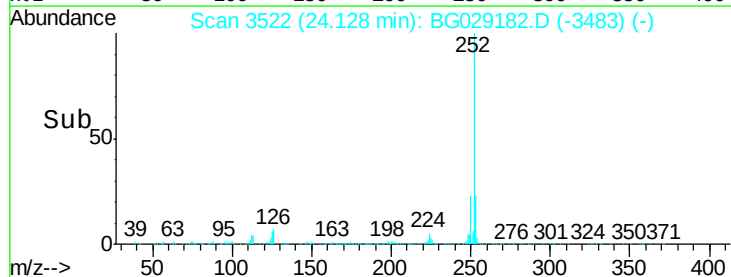
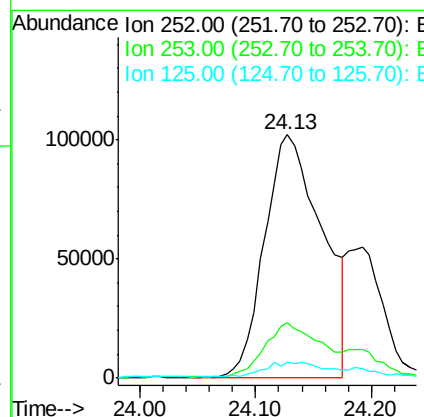
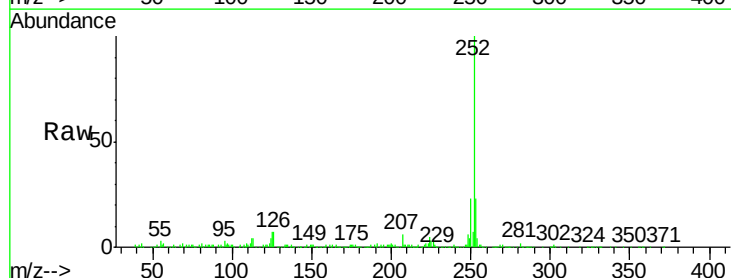
Instrument :
BNA_G
ClientSampleId :

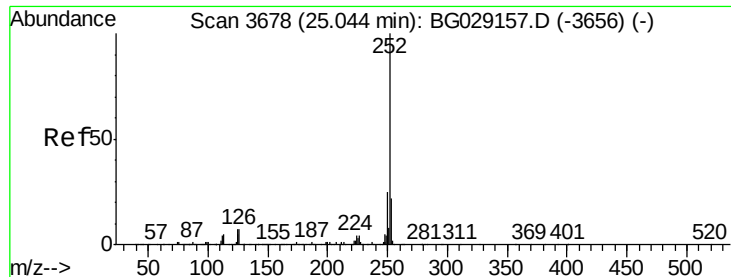
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	6.6	4.5	6.7



#25
Benzo(k)fluoranthene
Concen: 14.85 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. -0.07 min
Lab File: BG029182.D
Acq: 12 Oct 2017 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.8	25.2
125	6.6	5.1	7.7





#27

Benzo(a)pyrene

Concen: 9.92 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

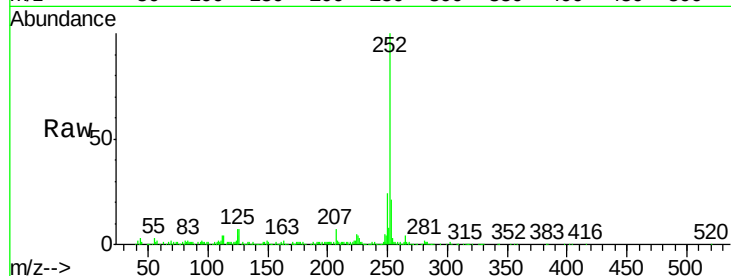
Tot Ion:252 Resp: 233978

Ion Ratio Lower Upper

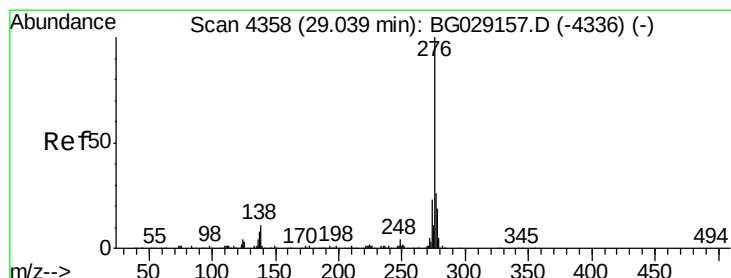
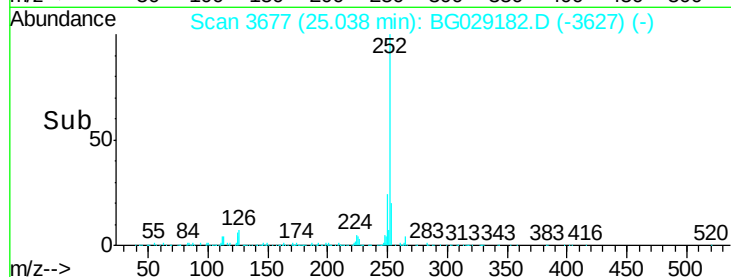
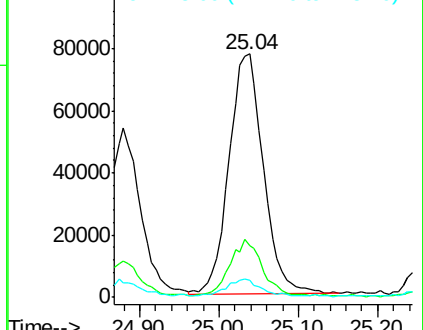
252 100

253 21.0 17.6 26.4

125 7.1 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: 5.31 ng/ul

RT: 29.02 min Scan# 4354

Delta R.T. -0.02 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

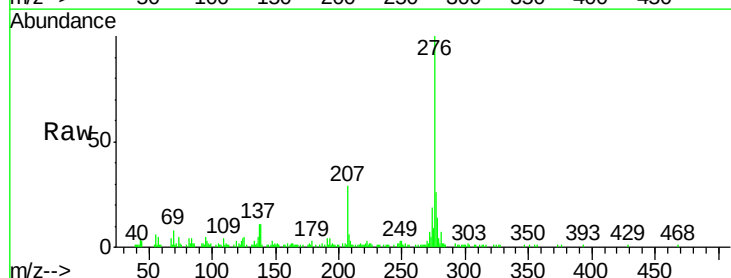
Tgt Ion:276 Resp: 119451

Ion Ratio Lower Upper

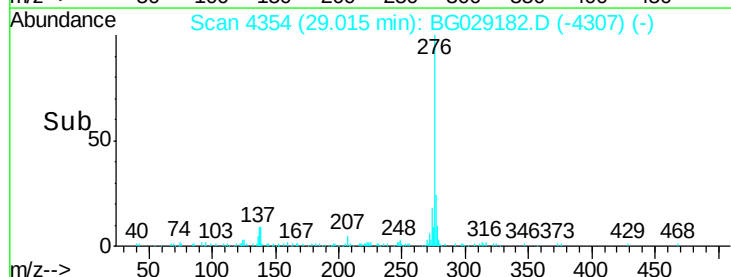
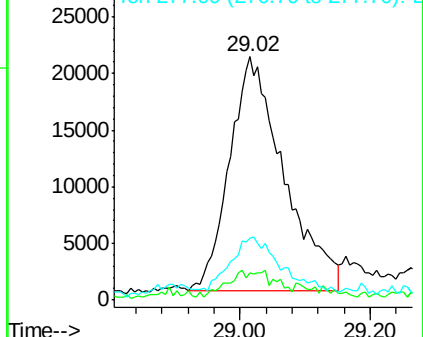
276 100

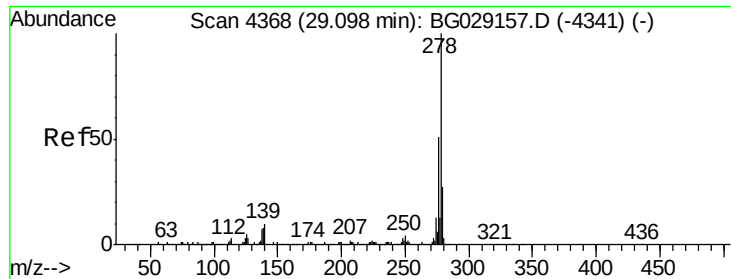
138 11.0 9.5 14.3

277 25.5 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: 1.62 ng/ul

RT: 29.07 min Scan# 4364

Delta R.T. -0.02 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

Instrument :

BNA_G

ClientSampleId :

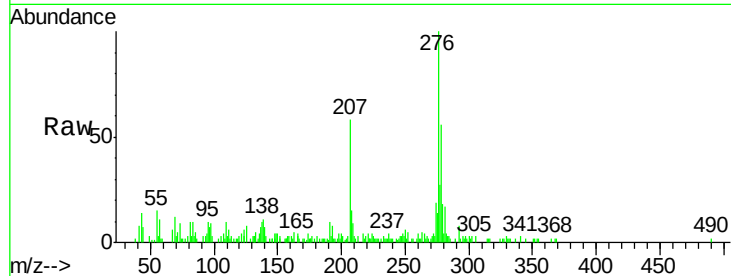
Tot Ion:278 Resp: 32364

Ion Ratio Lower Upper

278 100

139 12.1 8.3 12.5

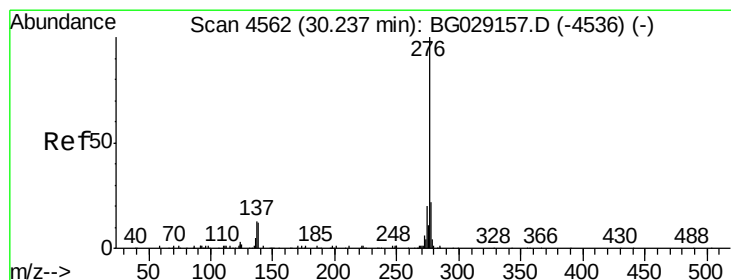
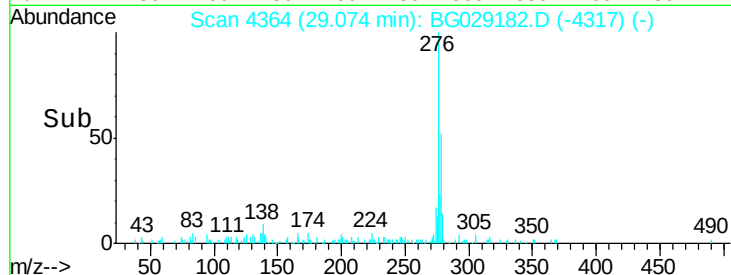
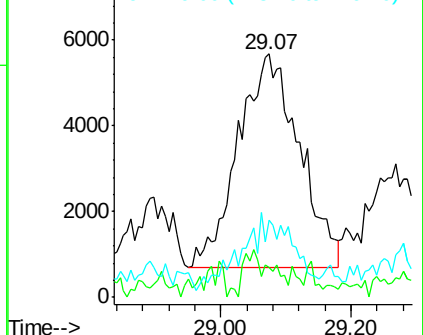
279 31.7 17.1 25.7#



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: 4.85 ng/ul

RT: 30.23 min Scan# 4560

Delta R.T. -0.01 min

Lab File: BG029182.D

Acq: 12 Oct 2017 2:01

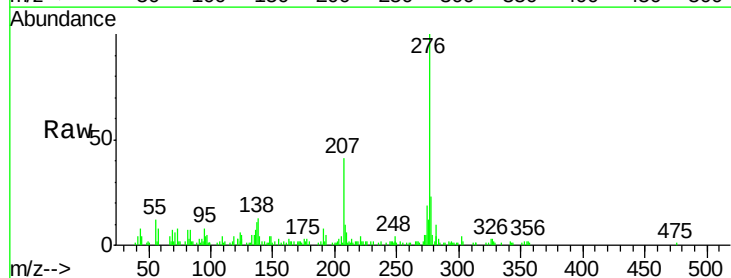
Tgt Ion:276 Resp: 76050

Ion Ratio Lower Upper

276 100

138 13.0 9.3 13.9

277 22.7 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

