

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG101117\
 Data File : BG029161.D
 Acq On : 11 Oct 2017 6:02
 Operator : SJ/JU
 Sample : I5668-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3G5

Quant Time: Oct 11 08:11:09 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	8.22	152	55951	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	247550	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	166066	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	392488	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	415990	20.00	ng/ul	0.00
23) Perylene-d12	25.20	264	427396	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.64	165	13828	2.92	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	227872	13.69	ng/ul	0.00
10) Fluorene-d10	15.81	176	179417	13.74	ng/ul	0.00
15) Anthracene-d10	17.66	188	261737	13.49	ng/ul	0.00
19) Pyrene-d10	19.93	212	311752	14.26	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.97	264	277715	12.99	ng/ul	0.00

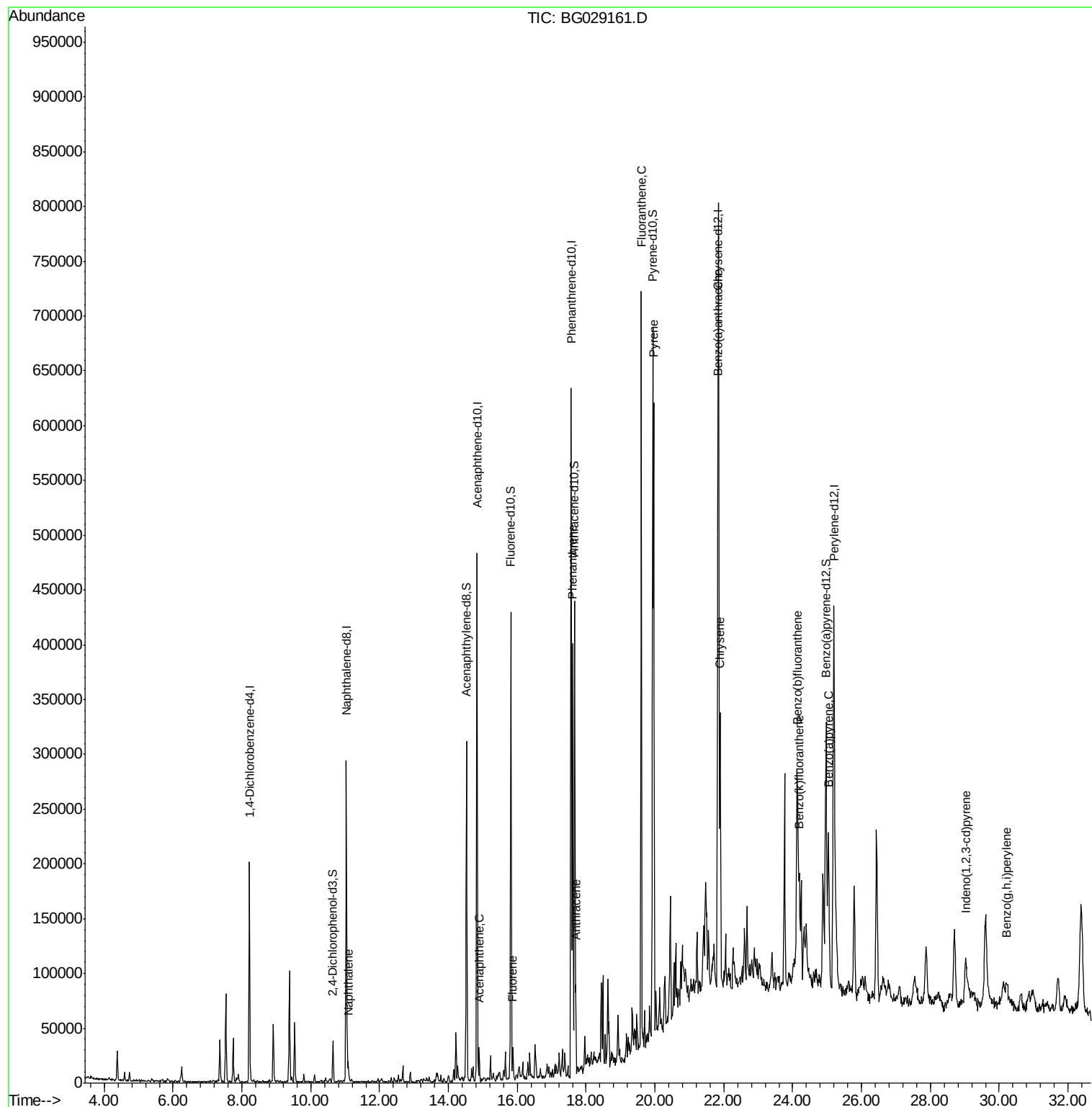
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	11.09	128	14254	1.095	ng/ul	97
9) Acenaphthene	14.89	153	13159	1.175	ng/ul	94
11) Fluorene	15.87	166	13420	1.040	ng/ul	94
14) Phenanthrene	17.61	178	248932	11.709	ng/ul	99
16) Anthracene	17.70	178	54061	2.481	ng/ul	95
17) Fluoranthene	19.60	202	446927	17.865	ng/ul	99
20) Pyrene	19.96	202	376661	14.934	ng/ul	99
21) Benzo(a)anthracene	21.82	228	220960	8.718	ng/ul	100
22) Chrysene	21.89	228	199763	8.732	ng/ul	98
24) Benzo(b)fluoranthene	24.14	252	278271	10.566	ng/ul	100
25) Benzo(k)fluoranthene	24.19	252	84431	3.255	ng/ul	97
27) Benzo(a)pyrene	25.04	252	170935	6.651	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	29.03	276	88097	3.596	ng/ul	96
30) Benzo(g,h,i)perylene	30.22	276	48787	2.856	ng/ul#	97

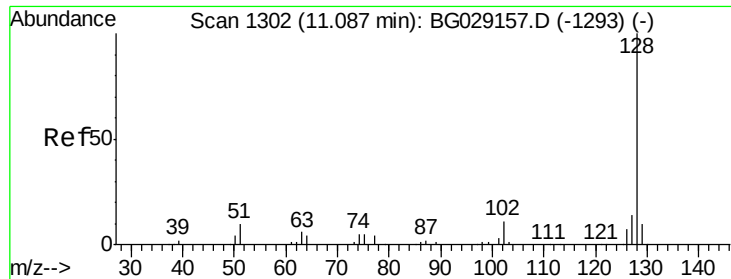
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.095 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

Instrument :

BNA_G

ClientSampleId :

CB3G5

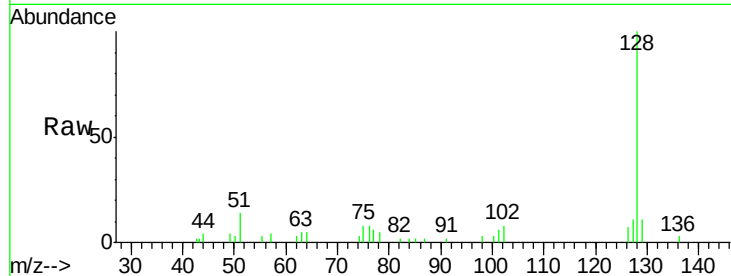
Tgt Ion:128 Resp: 14254

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

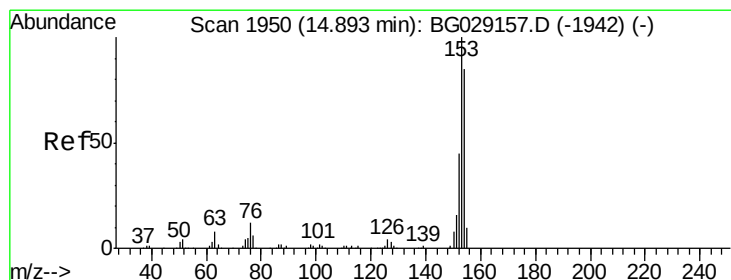
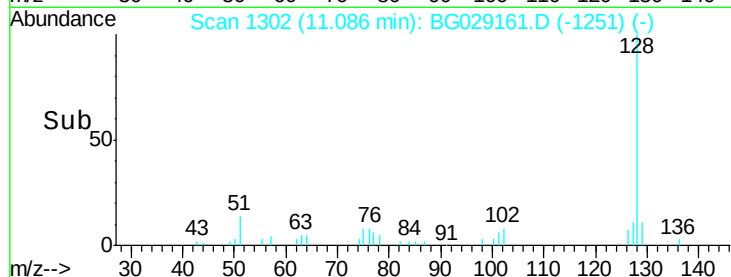
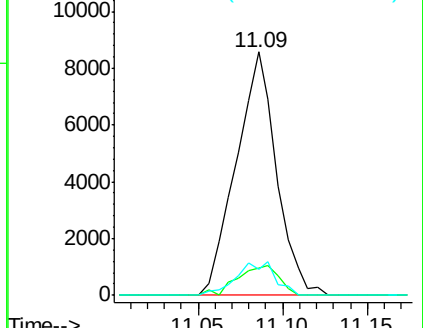
127 10.8 10.6 15.8



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



#9

Acenaphthene

Concen: 1.175 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

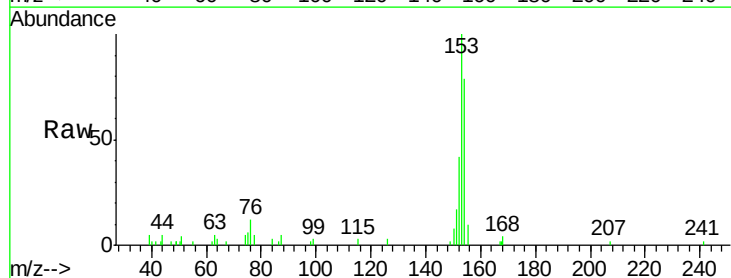
Tgt Ion:153 Resp: 13159

Ion Ratio Lower Upper

153 100

152 42.2 36.2 54.4

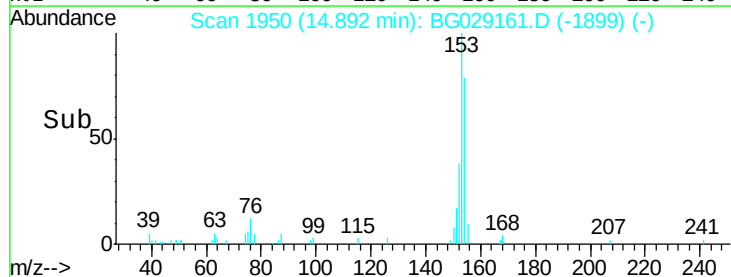
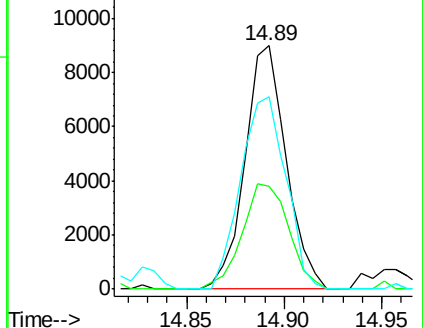
154 79.2 68.4 102.6

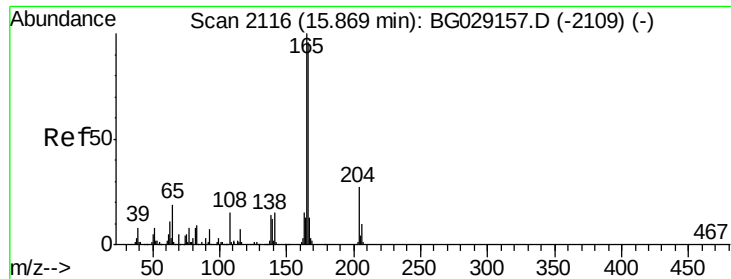


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.040 ng/ul

RT: 15.87 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

Instrument :

BNA_G

ClientSampleId :

CB3G5

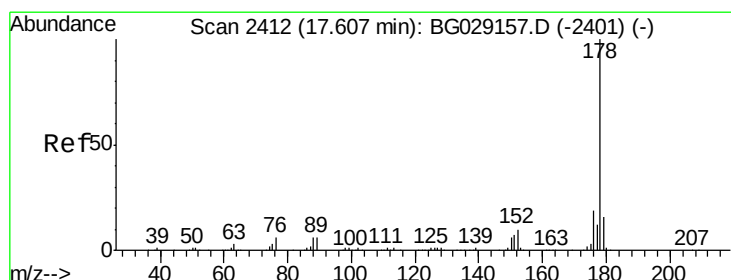
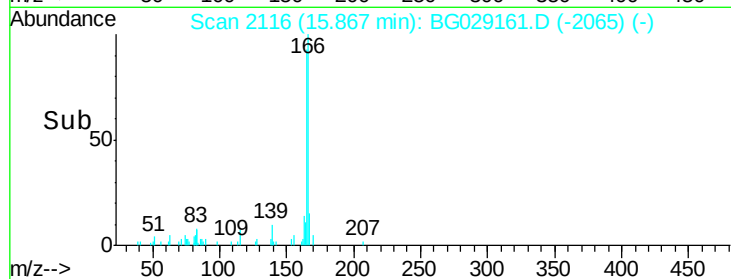
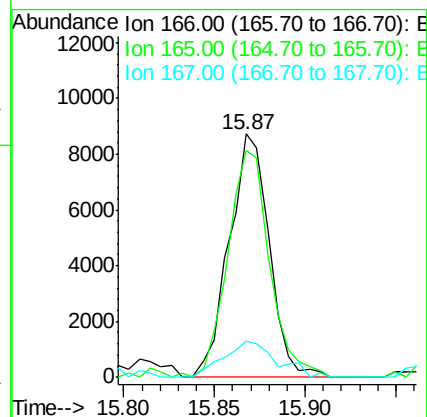
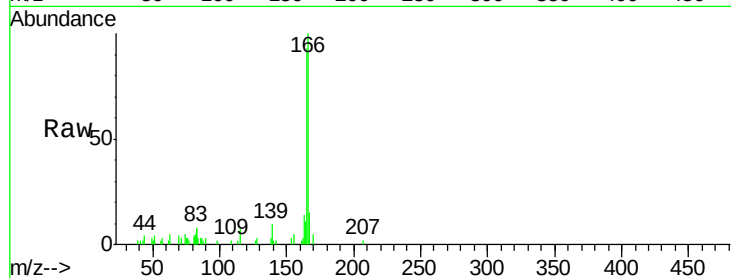
Tgt Ion:166 Resp: 13420

Ion Ratio Lower Upper

166 100

165 93.2 79.4 119.0

167 14.8 10.2 15.4



#14

Phenanthrene

Concen: 11.709 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

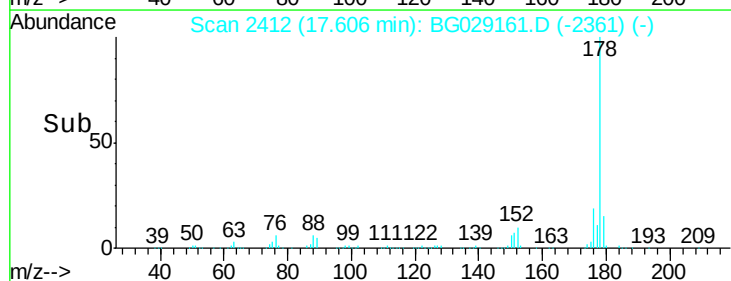
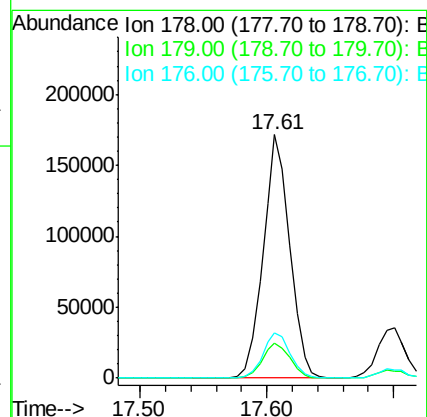
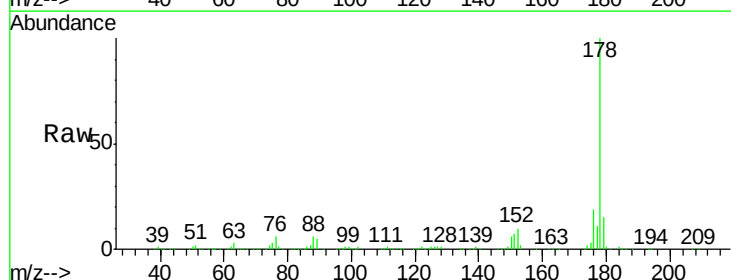
Tgt Ion:178 Resp: 248932

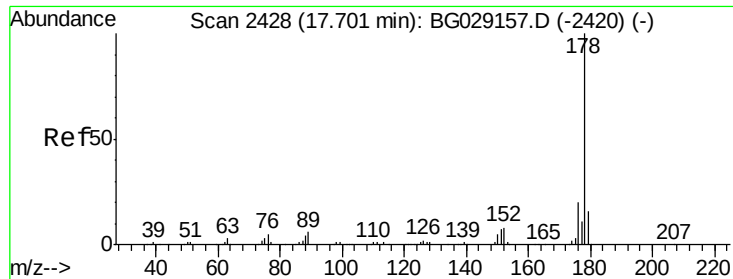
Ion Ratio Lower Upper

178 100

179 14.6 12.2 18.2

176 18.7 15.0 22.6

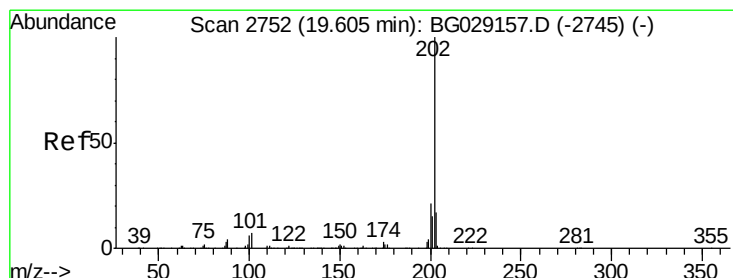
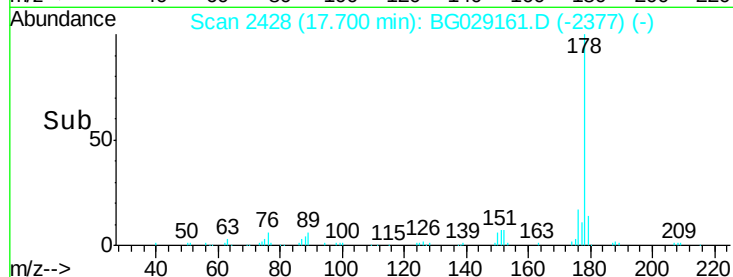
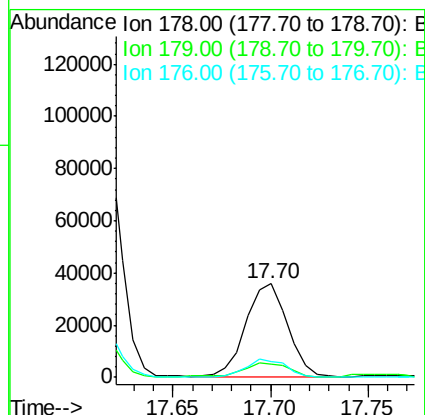
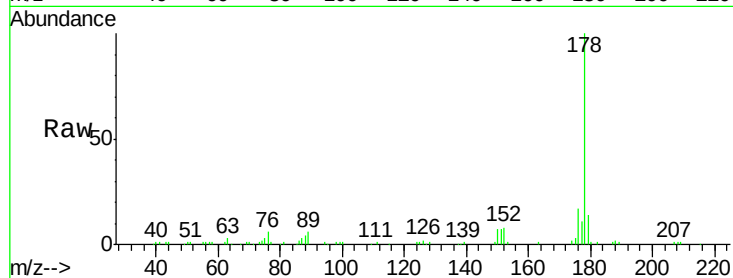




#16
 Anthracene
 Concen: 2.481 ng/ul
 RT: 17.70 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG029161.D
 Acq: 11 Oct 2017 6:02

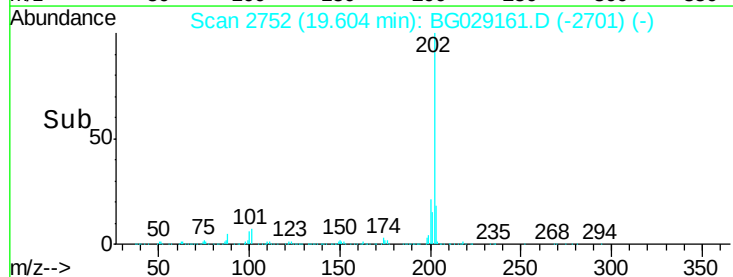
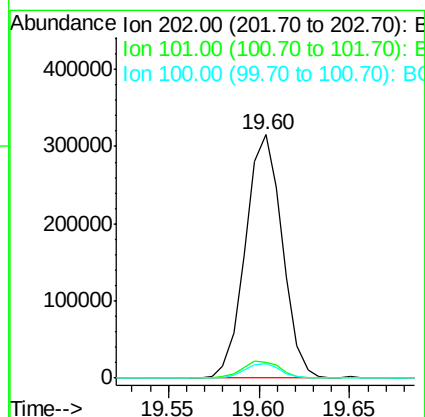
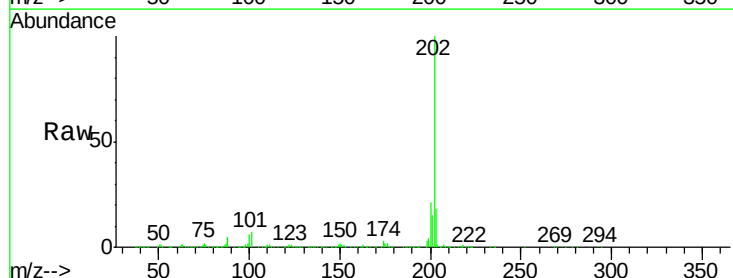
Instrument :
 BNA_G
 ClientSampleId :
 CB3G5

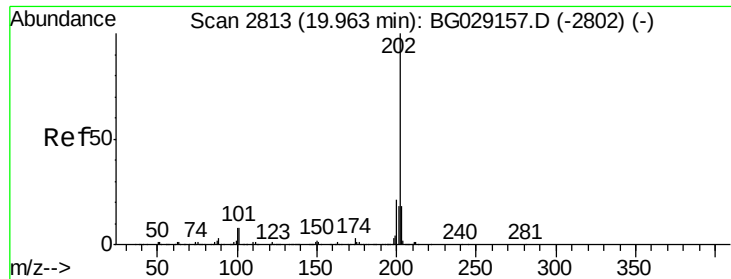
Tgt Ion:178 Resp: 54061
 Ion Ratio Lower Upper
 178 100
 179 14.2 12.5 18.7
 176 17.0 15.7 23.5



#17
 Fluoranthene
 Concen: 17.865 ng/ul
 RT: 19.60 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: BG029161.D
 Acq: 11 Oct 2017 6:02

Tgt Ion:202 Resp: 446927
 Ion Ratio Lower Upper
 202 100
 101 6.6 5.6 8.4
 100 5.9 4.7 7.1

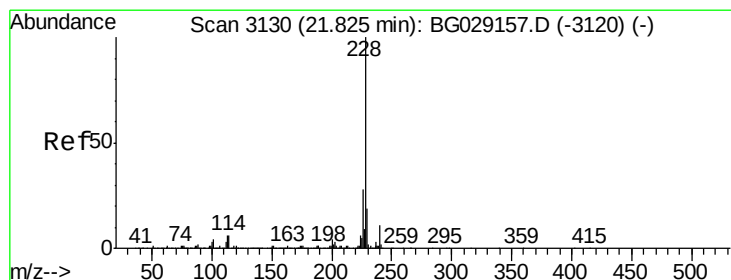
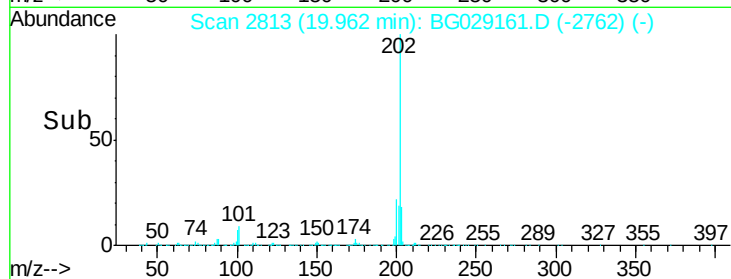
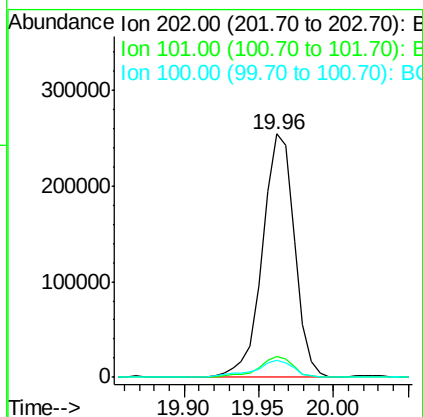
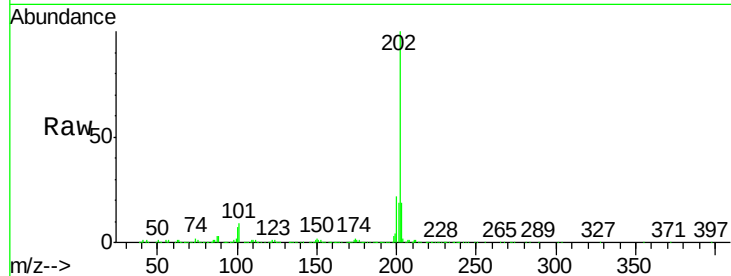




#20
 Pyrene
 Concen: 14.934 ng/ul
 RT: 19.96 min Scan# 2813
 Delta R.T. -0.00 min
 Lab File: BG029161.D
 Acq: 11 Oct 2017 6:02

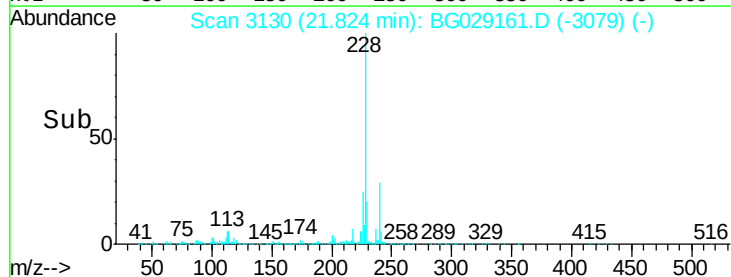
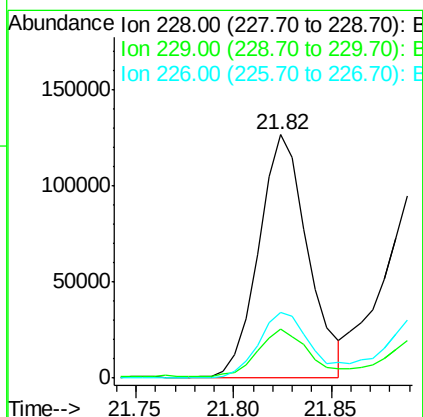
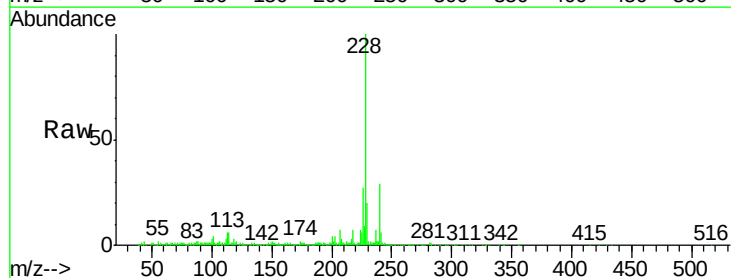
Instrument :
 BNA_G
 ClientSampleId :
 CB3G5

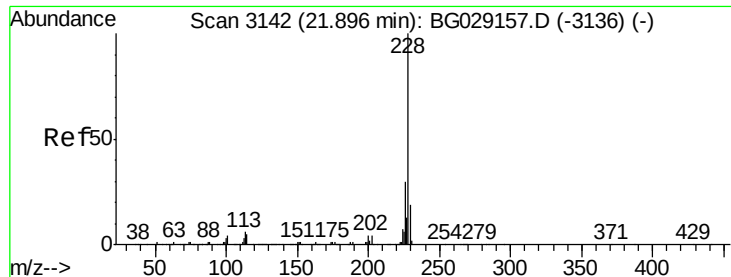
Tgt Ion:	202	Resp:	376661
Ion	Ratio	Lower	Upper
202	100		
101	8.7	6.5	9.7
100	7.1	5.5	8.3



#21
 Benzo(a)anthracene
 Concen: 8.718 ng/ul
 RT: 21.82 min Scan# 3130
 Delta R.T. -0.00 min
 Lab File: BG029161.D
 Acq: 11 Oct 2017 6:02

Tgt Ion:	228	Resp:	220960
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.8	23.8
226	26.9	21.6	32.4





#22

Chrysene

Concen: 8.732 ng/ul

RT: 21.89 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

Instrument :

BNA_G

ClientSampleId :

CB3G5

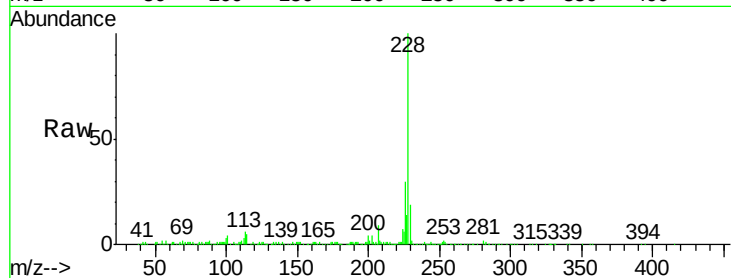
Tgt Ion: 228 Resp: 199763

Ion Ratio Lower Upper

228 100

226 30.1 23.4 35.0

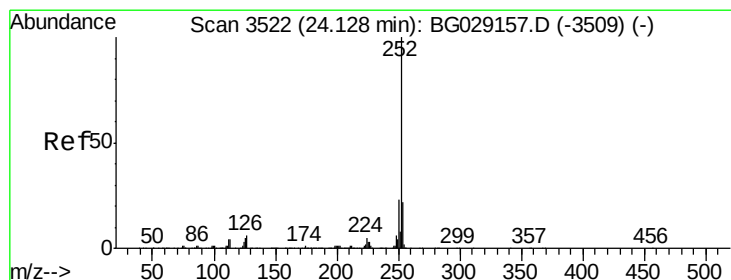
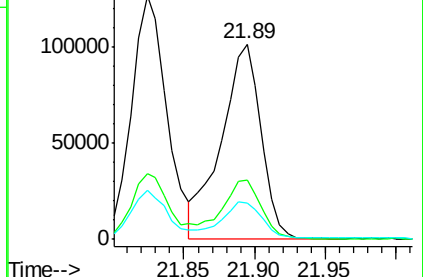
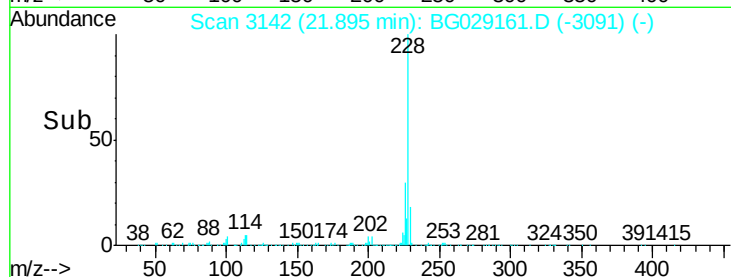
229 18.9 15.7 23.5



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: 10.566 ng/ul

RT: 24.14 min Scan# 3524

Delta R.T. 0.01 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

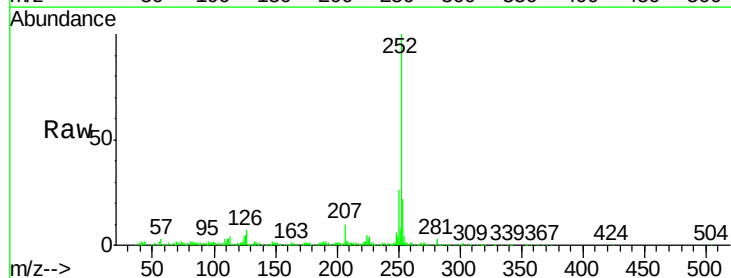
Tgt Ion: 252 Resp: 278271

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

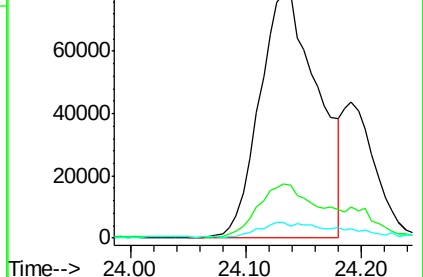
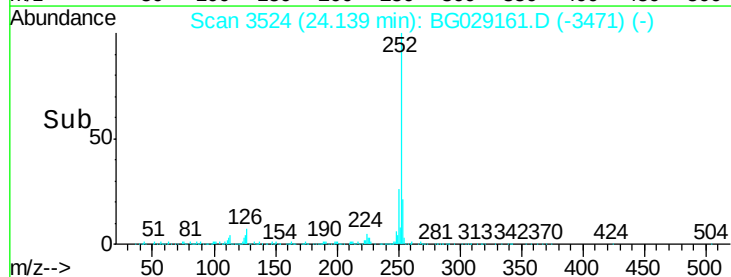
125 5.1 4.5 6.7

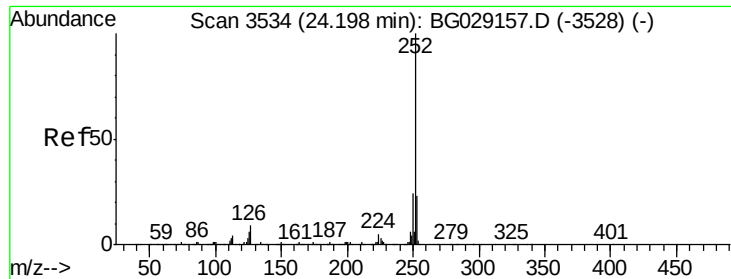


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 3.255 ng/ul

RT: 24.19 min Scan# 3533

Delta R.T. -0.01 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

Instrument :

BNA_G

ClientSampleId :

CB3G5

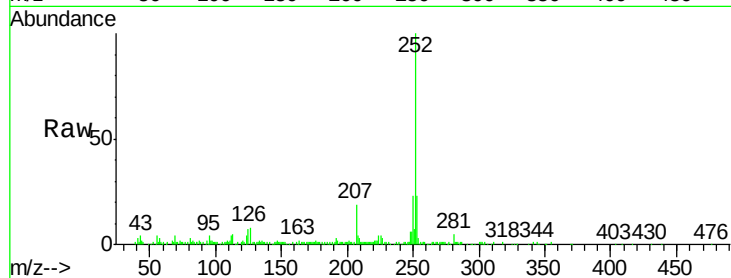
Tgt Ion:252 Resp: 84431

Ion Ratio Lower Upper

252 100

253 22.6 16.8 25.2

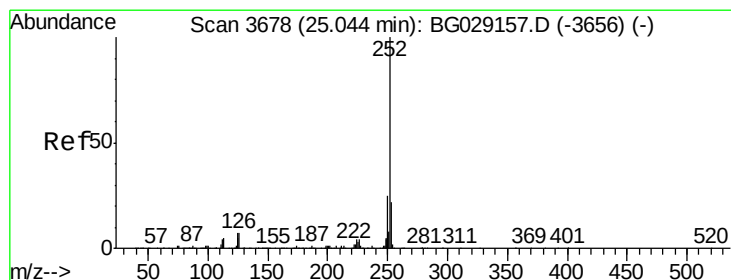
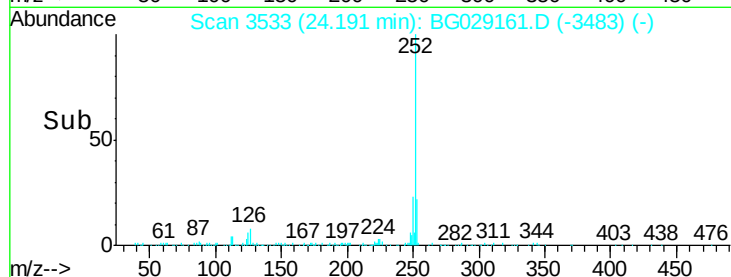
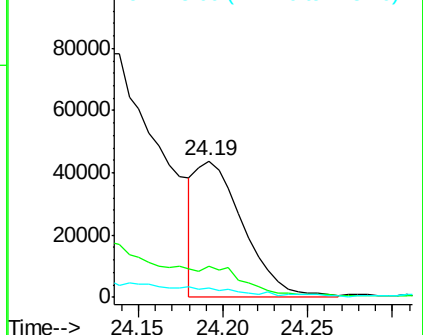
125 7.0 5.1 7.7



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

Benzo(a)pyrene

Concen: 6.651 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG029161.D

Acq: 11 Oct 2017 6:02

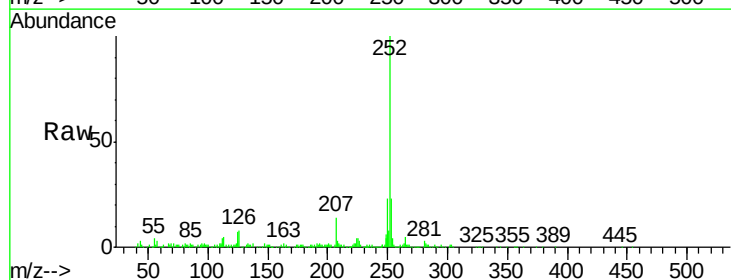
Tgt Ion:252 Resp: 170935

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

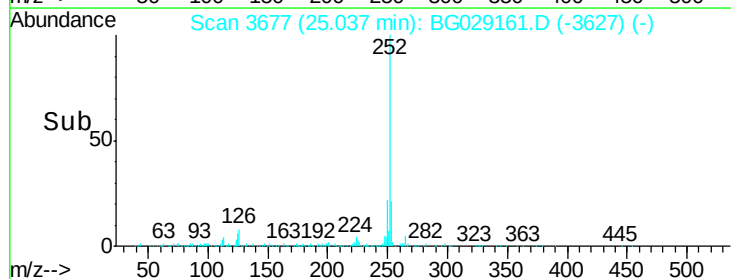
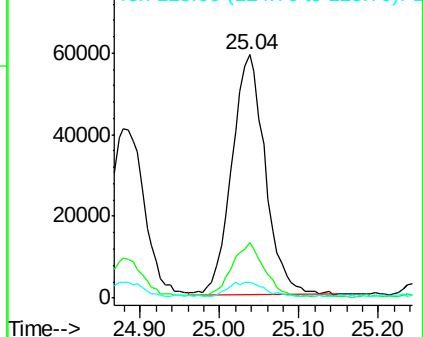
125 6.7 5.4 8.2

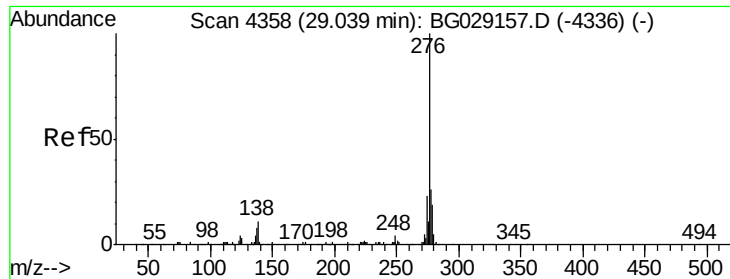


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



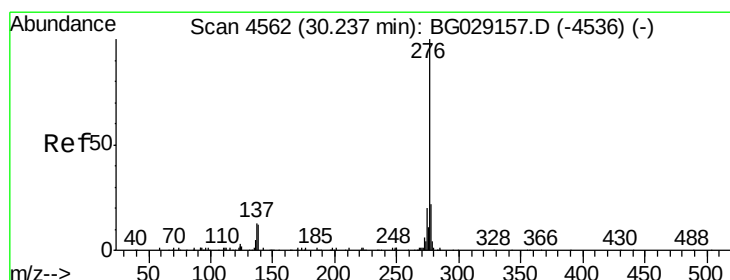
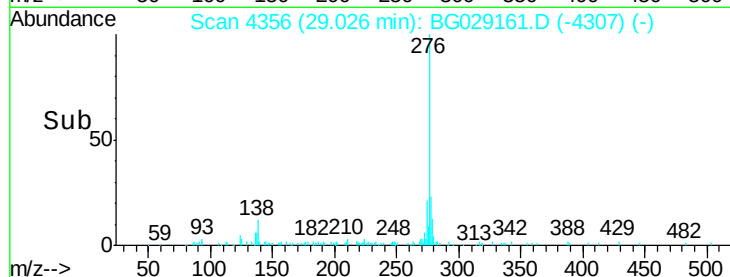
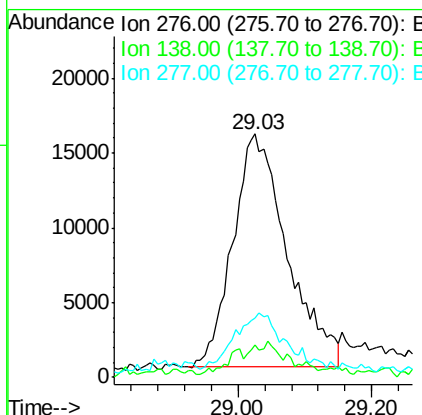
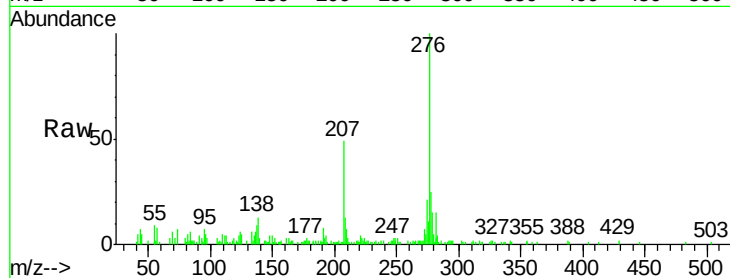


#28

Indeno(1,2,3-cd)pyrene
Concen: 3.596 ng/ul
RT: 29.03 min Scan# 4356
Delta R.T. -0.01 min
Lab File: BG029161.D
Acq: 11 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
CB3G5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	9.5	14.3
277	24.5	18.1	27.1



#30

Benzo(g,h,i)perylene
Concen: 2.856 ng/ul
RT: 30.22 min Scan# 4559
Delta R.T. -0.02 min
Lab File: BG029161.D
Acq: 11 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	9.3	13.9#
277	21.7	17.9	26.9

