

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052717\
 Data File : BG027196.D
 Acq On : 28 May 2017 9:56
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 29 03:42:45 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG052717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 29 03:41:48 2017
 Response via : Initial Calibration

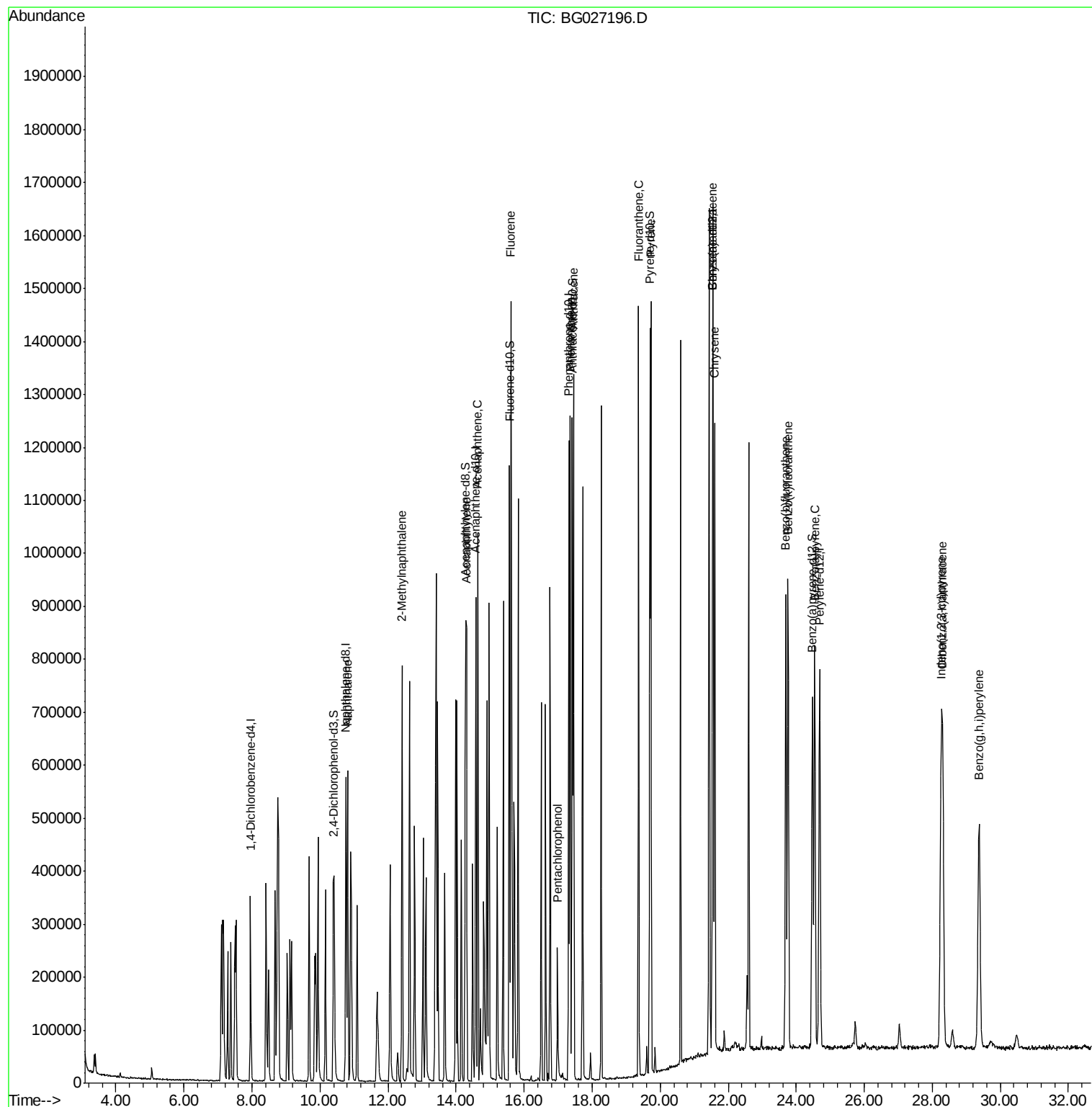
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	104465	20.00	ng/ul	0.00
2) Naphthalene-d8	10.76	136	521502	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.58	164	313658	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	711771	20.00	ng/ul	0.00
18) Chrysene-d12	21.55	240	636262	20.00	ng/ul	0.00
23) Perylene-d12	24.69	264	655177	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.39	165	150234	20.69	ng/uL	0.00
7) Acenaphthylene-d8	14.27	160	630010	20.16	ng/ul	0.00
10) Fluorene-d10	15.57	176	444808	20.79	ng/ul	0.00
15) Anthracene-d10	17.41	188	682756	19.88	ng/ul	0.00
19) Pyrene-d10	19.70	212	666703	19.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	594430	21.96	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.81	128	530538	20.78	ng/ul	99
5) 2-Methylnaphthalene	12.41	142	398778	20.64	ng/ul	96
8) Acenaphthylene	14.30	152	643612	21.03	ng/ul	98
9) Acenaphthene	14.64	153	437764	21.01	ng/ul	99
11) Fluorene	15.62	166	498141	20.88	ng/ul	96
13) Pentachlorophenol	16.98	266	46223	15.19	ng/uL	93
14) Phenanthrene	17.36	178	778446	19.90	ng/ul	99
16) Anthracene	17.45	178	806464	19.79	ng/ul	100
17) Fluoranthene	19.36	202	838378	21.78	ng/ul#	92
20) Pyrene	19.73	202	855232	19.67	ng/ul#	93
21) Benzo(a)anthracene	21.54	228	731917	19.71	ng/ul	100
22) Chrysene	21.60	228	666430	19.81	ng/ul	98
24) Benzo(b)fluoranthene	23.70	252	747136	21.40	ng/ul#	96
25) Benzo(k)fluoranthene	23.76	252	715928	21.19	ng/ul#	96
27) Benzo(a)pyrene	24.55	252	727068	22.02	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	28.26	276	846757	19.47	ng/ul#	88
29) Dibenzo(a,h)anthracene	28.31	278	711980	19.56	ng/ul#	95
30) Benzo(g,h,i)perylene	29.38	276	700034	20.19	ng/ul#	93

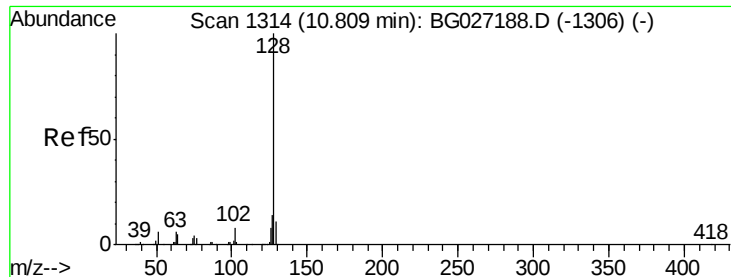
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052717\
Data File : BG027196.D
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: May 29 03:42:45 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG052717-PAH.M
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#4

Naphthalene

Concen: 20.78 ng/ul

RT: 10.81 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

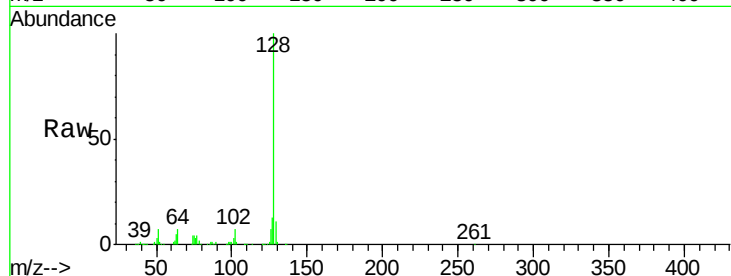
Tot Ion:128 Resp: 530538

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

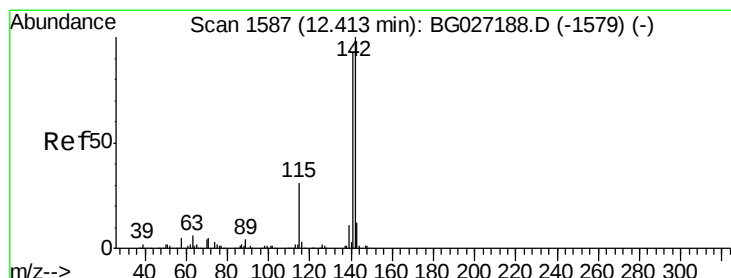
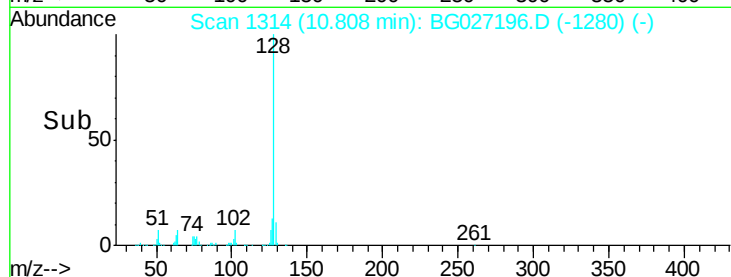
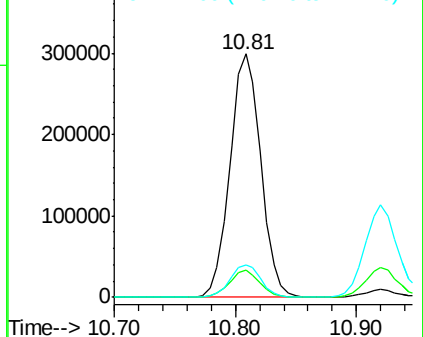
127 13.5 10.6 15.8



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: 20.64 ng/ul

RT: 12.41 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BG027196.D

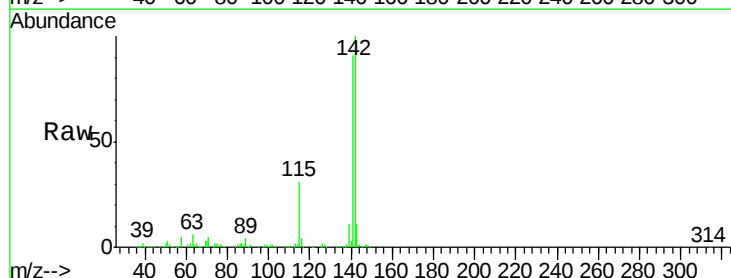
Acq: 28 May 2017 9:56

Tgt Ion:142 Resp: 398778

Ion Ratio Lower Upper

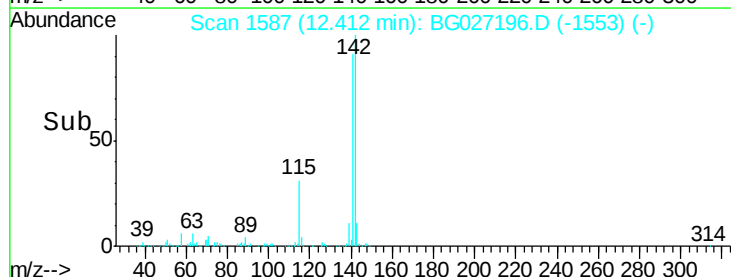
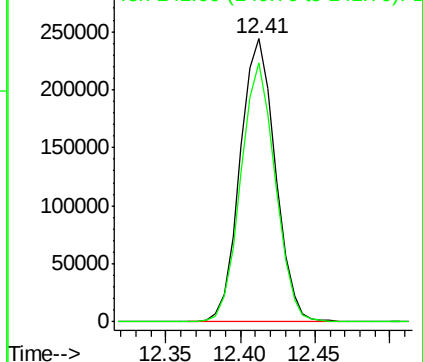
142 100

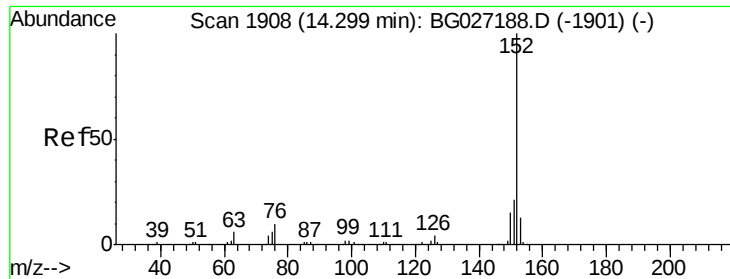
141 91.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 21.03 ng/ul

RT: 14.30 min Scan# 1909

Delta R.T. 0.01 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

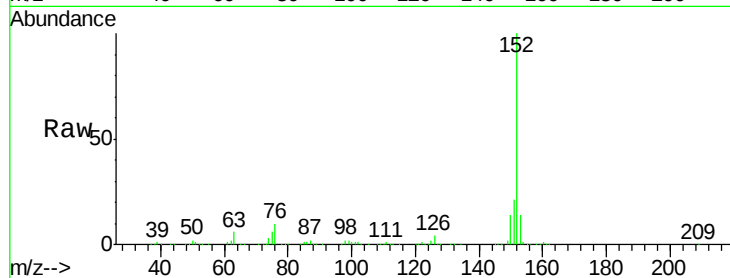
Tot Ion:152 Resp: 643612

Ion Ratio Lower Upper

152 100

151 20.9 17.5 26.3

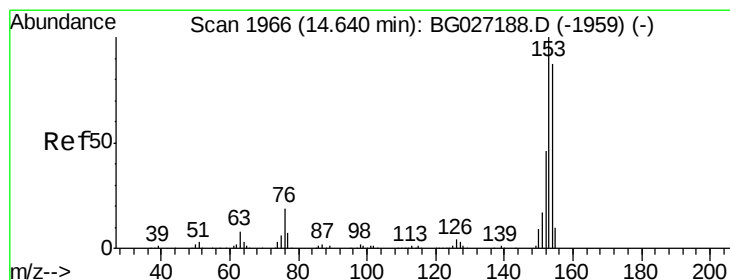
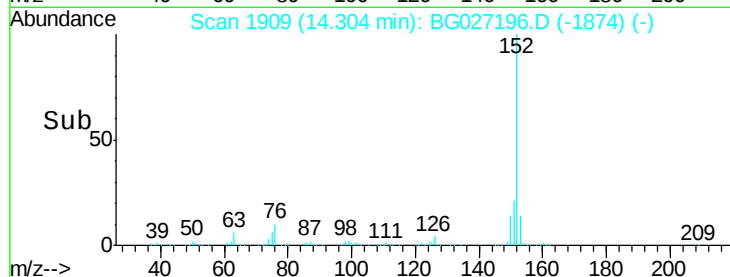
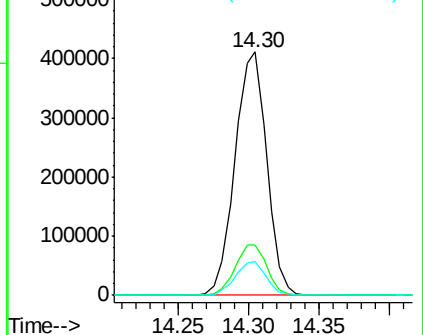
153 13.7 10.6 16.0



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: 21.01 ng/ul

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

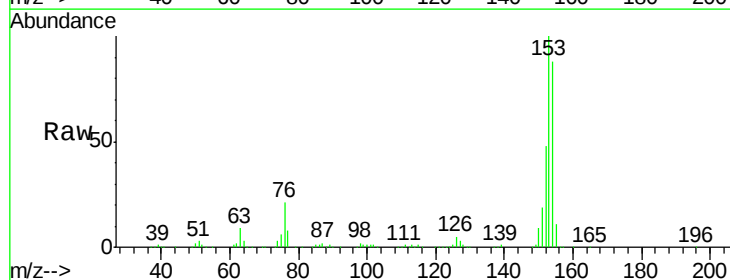
Tgt Ion:153 Resp: 437764

Ion Ratio Lower Upper

153 100

152 47.7 37.9 56.9

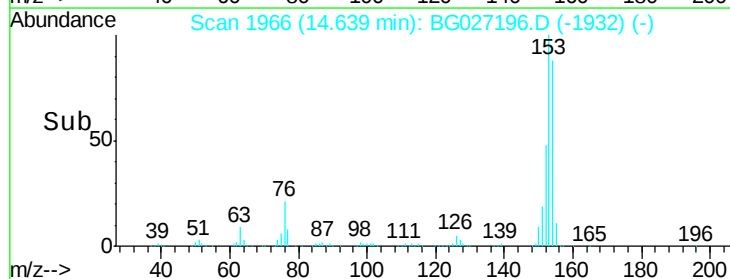
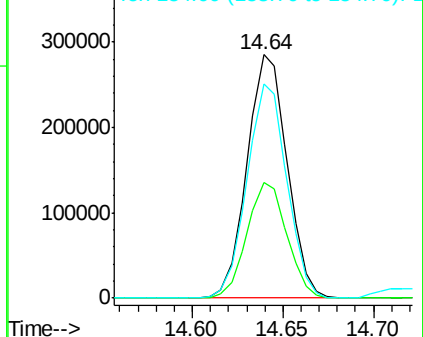
154 88.1 71.6 107.4

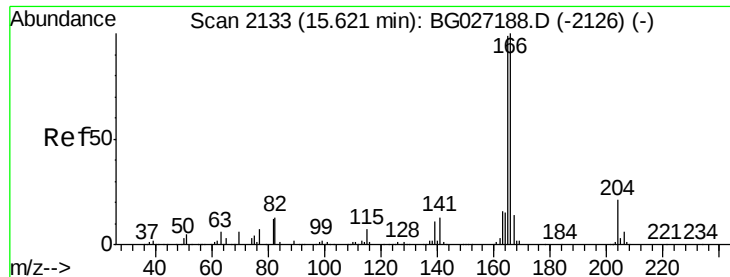


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 20.88 ng/ul

RT: 15.62 min Scan# 2133

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

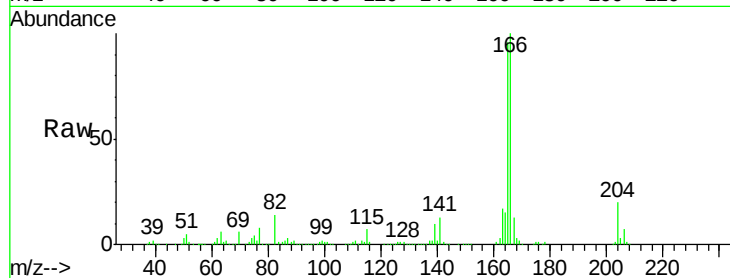
Tot Ion:166 Resp: 498141

Ion Ratio Lower Upper

166 100

165 96.2 80.0 120.0

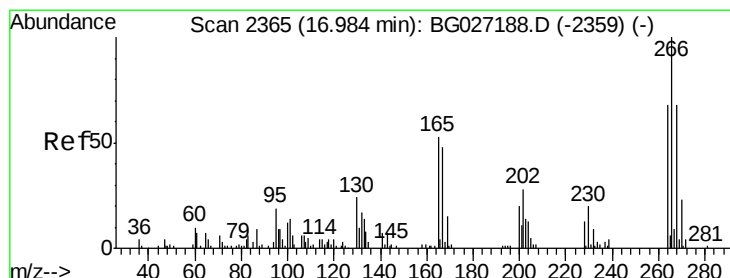
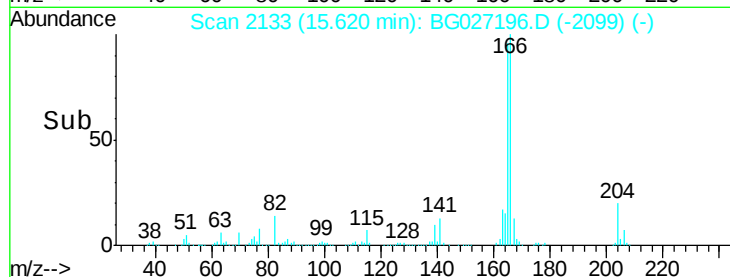
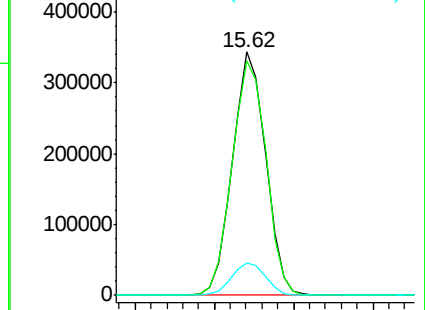
167 13.1 11.6 17.4



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: 15.19 ng/uL

RT: 16.98 min Scan# 2365

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

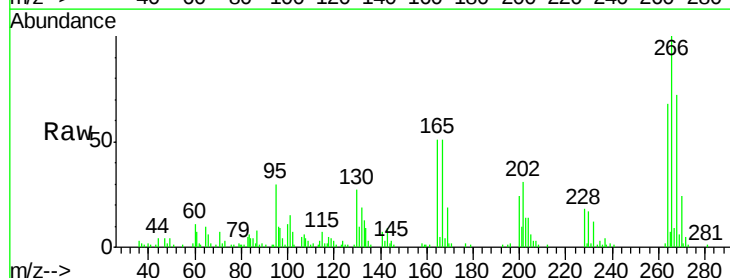
Tgt Ion:266 Resp: 46223

Ion Ratio Lower Upper

266 100

264 68.2 52.0 78.0

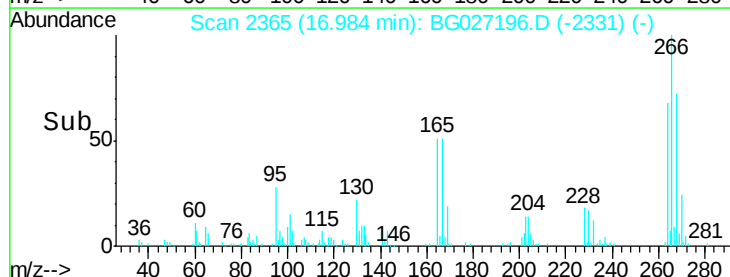
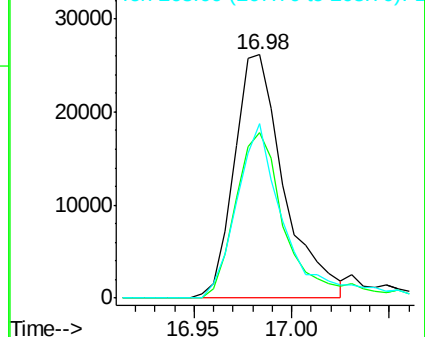
268 71.6 51.2 76.8

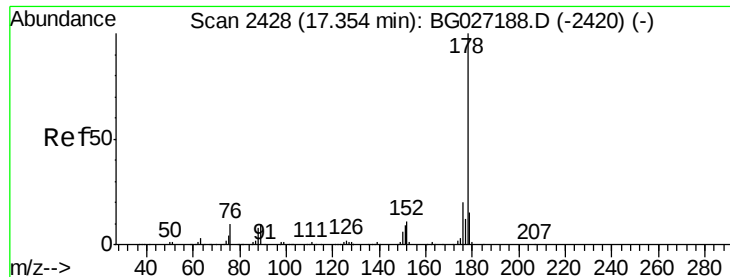


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.90 ng/ul

RT: 17.36 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

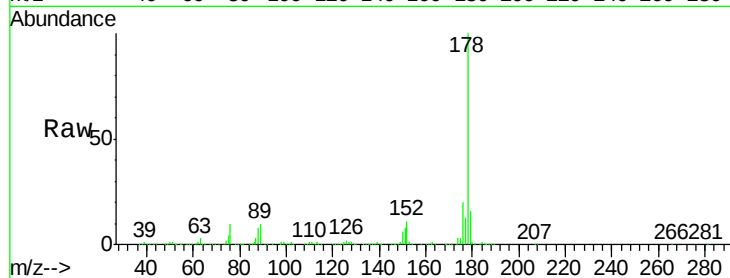
Tot Ion:178 Resp: 778446

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

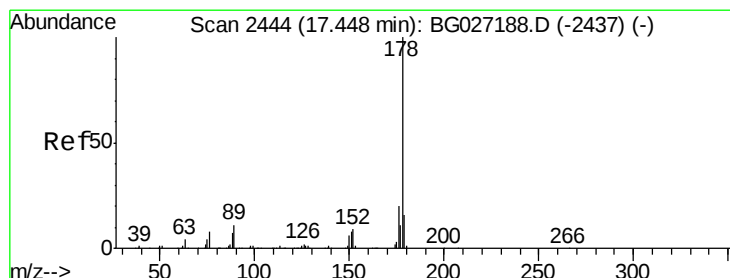
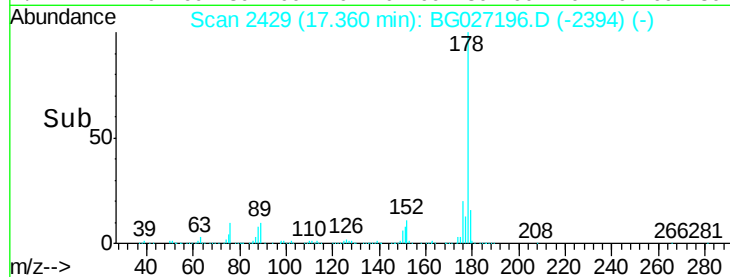
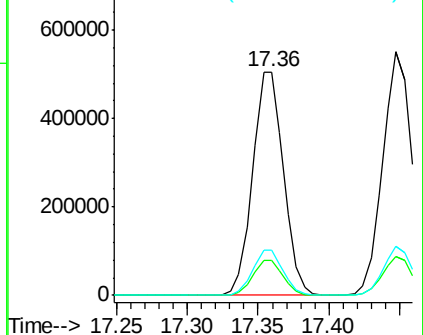
176 20.2 16.4 24.6



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: 19.79 ng/ul

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

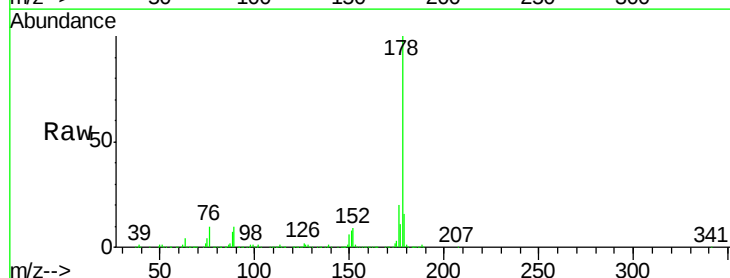
Tgt Ion:178 Resp: 806464

Ion Ratio Lower Upper

178 100

179 16.1 12.7 19.1

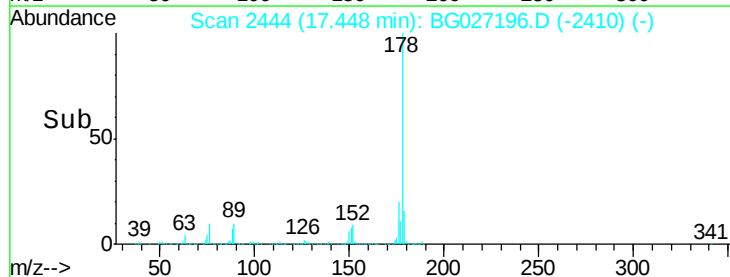
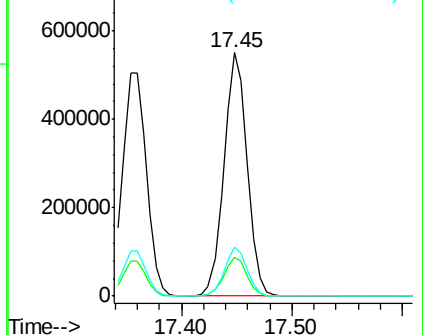
176 20.0 15.8 23.8

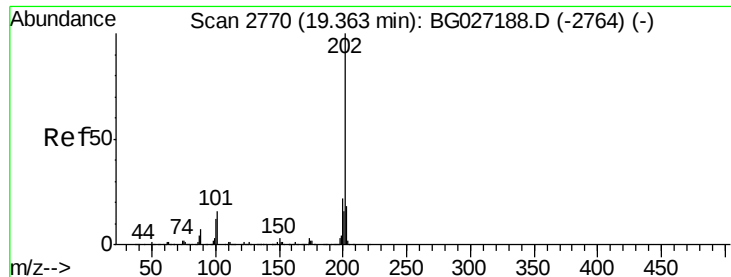


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 21.78 ng/ul

RT: 19.36 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

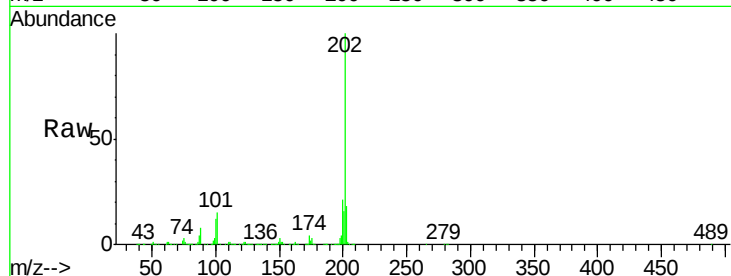
Tot Ion:202 Resp: 838378

Ion Ratio Lower Upper

202 100

101 15.3 9.8 14.8#

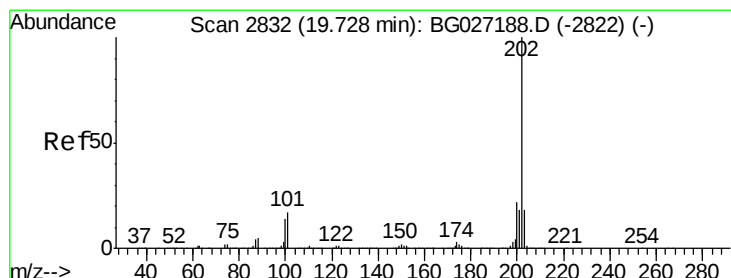
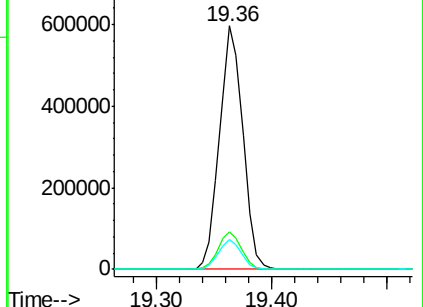
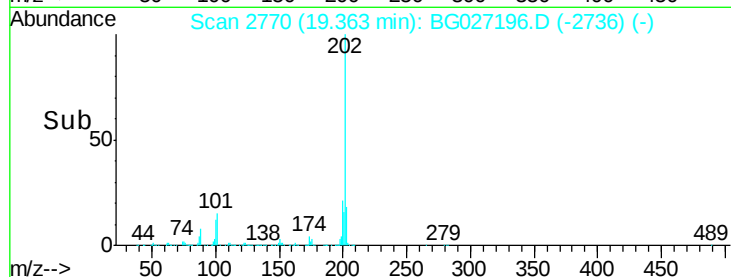
100 12.2 7.5 11.3#



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



#20

Pyrene

Concen: 19.67 ng/ul

RT: 19.73 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

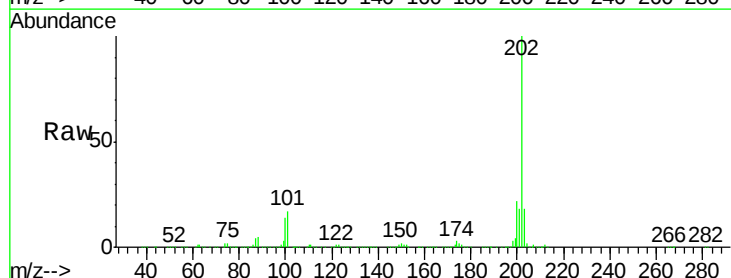
Tgt Ion:202 Resp: 855232

Ion Ratio Lower Upper

202 100

101 17.3 11.2 16.8#

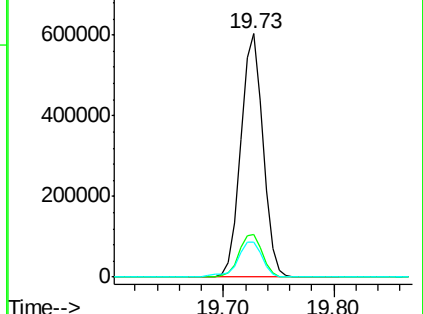
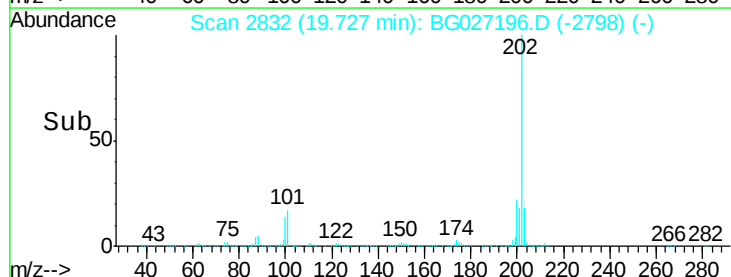
100 14.3 9.8 14.6

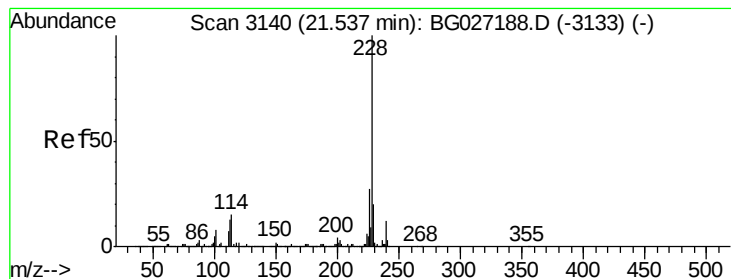


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 19.71 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

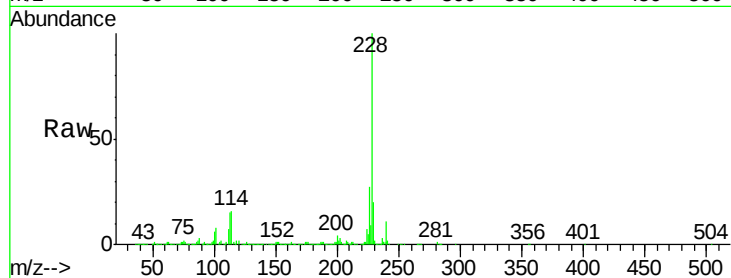
Tot Ion:228 Resp: 731917

Ion Ratio Lower Upper

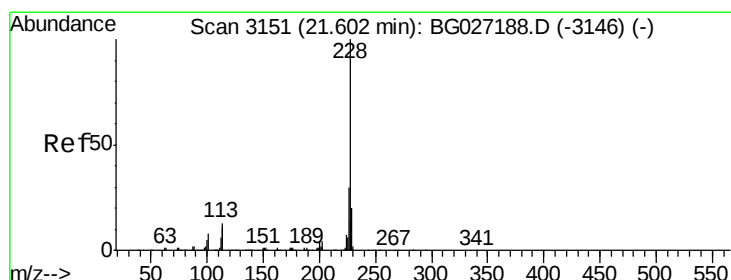
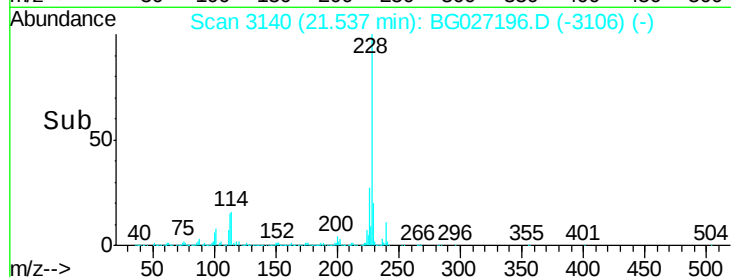
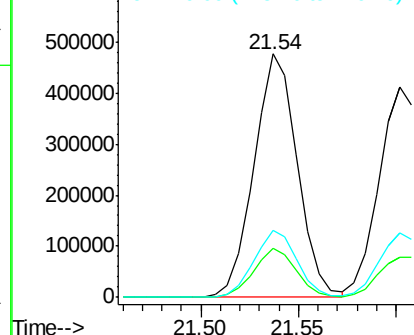
228 100

229 19.9 15.9 23.9

226 27.3 22.1 33.1



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: 19.81 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

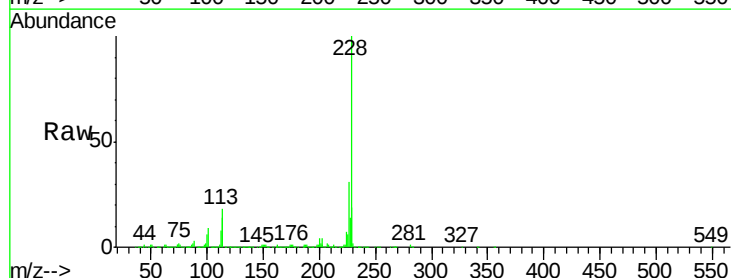
Tgt Ion:228 Resp: 666430

Ion Ratio Lower Upper

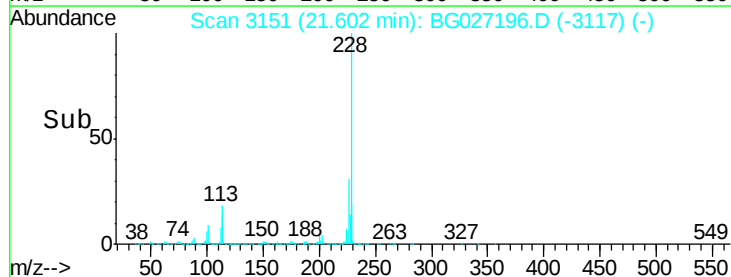
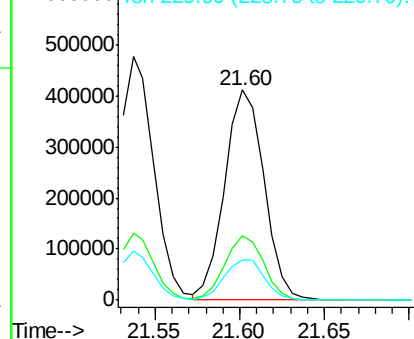
228 100

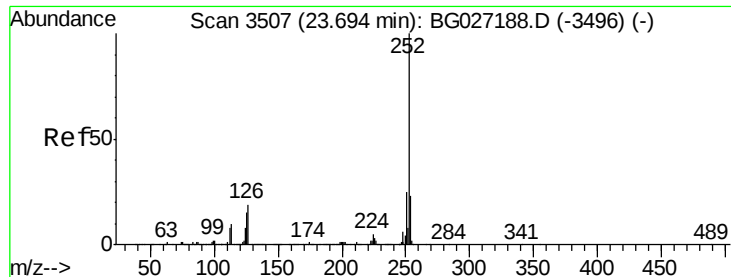
226 30.5 25.0 37.6

229 19.0 16.6 25.0



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: 21.40 ng/ul

RT: 23.70 min Scan# 3508

Delta R.T. 0.01 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

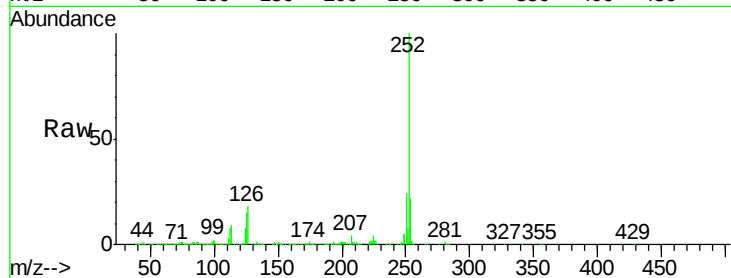
Tot Ion:252 Resp: 747136

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

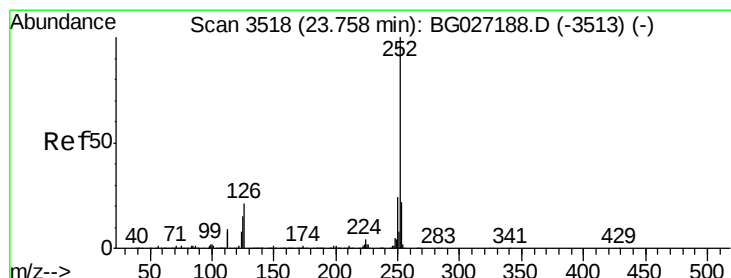
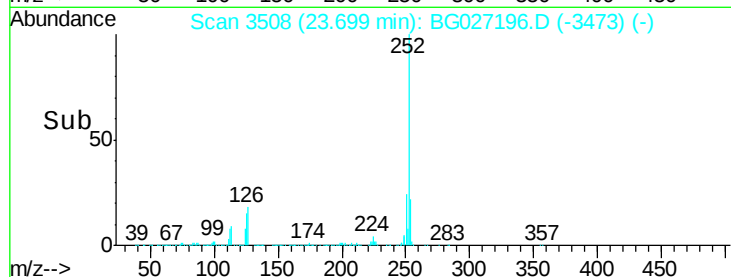
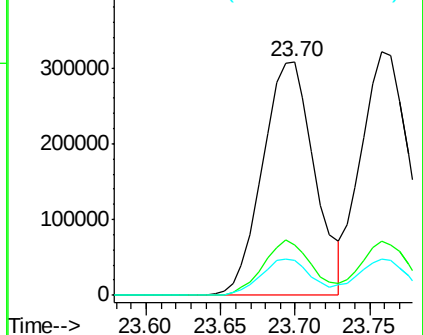
125 14.9 9.4 14.0#



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



#25

Benzo(k)fluoranthene

Concen: 21.19 ng/ul

RT: 23.76 min Scan# 3518

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

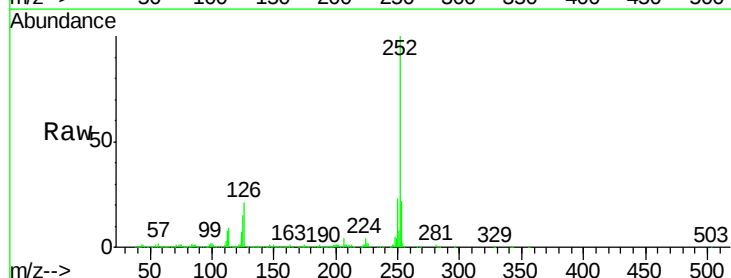
Tgt Ion:252 Resp: 715928

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

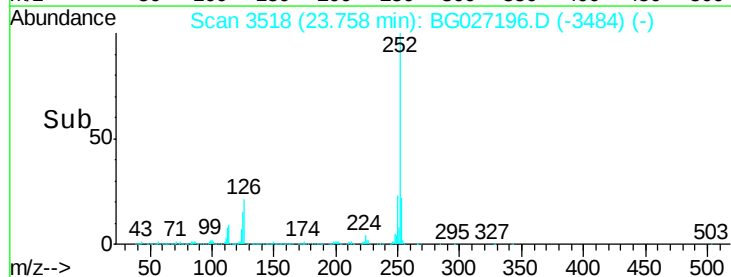
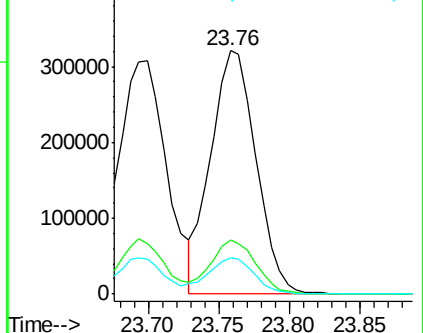
125 14.9 8.8 13.2#

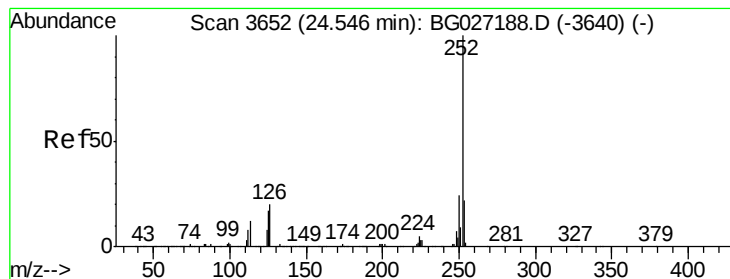


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Benzo(a)pyrene

Concen: 22.02 ng/ul

RT: 24.55 min Scan# 3652

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

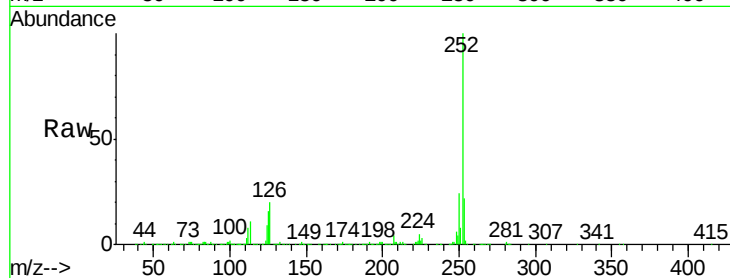
Tot Ion:252 Resp: 727068

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

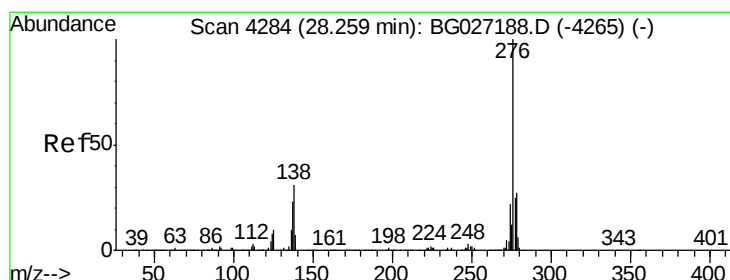
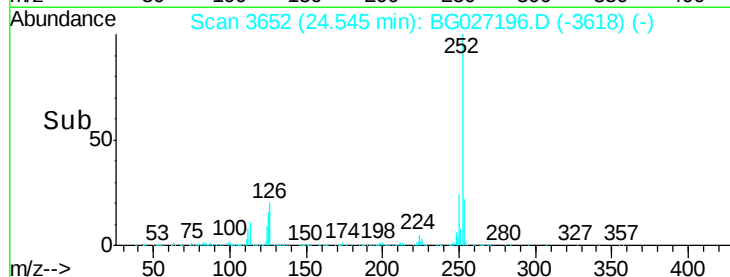
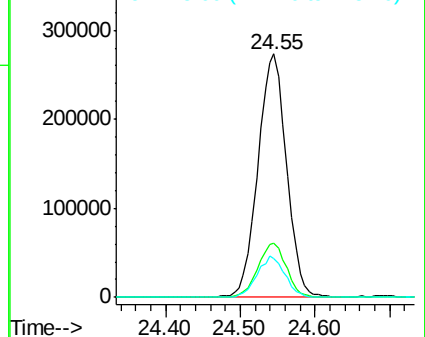
125 15.7 9.4 14.2#



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: 19.47 ng/ul

RT: 28.26 min Scan# 4285

Delta R.T. 0.01 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

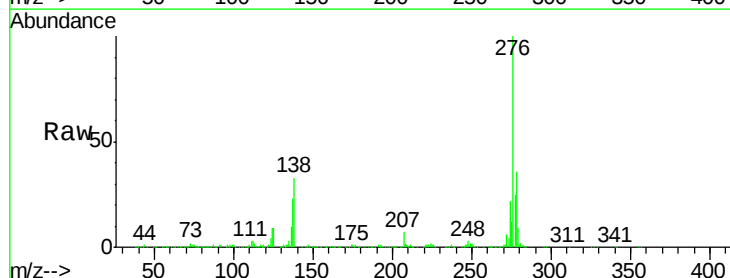
Tgt Ion:276 Resp: 846757

Ion Ratio Lower Upper

276 100

138 33.0 17.8 26.6#

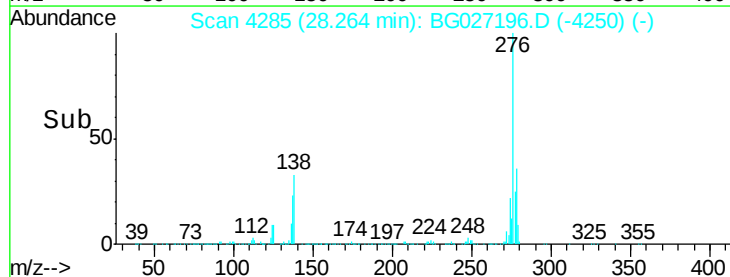
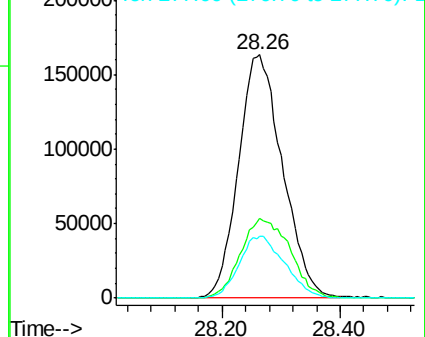
277 25.4 19.4 29.0

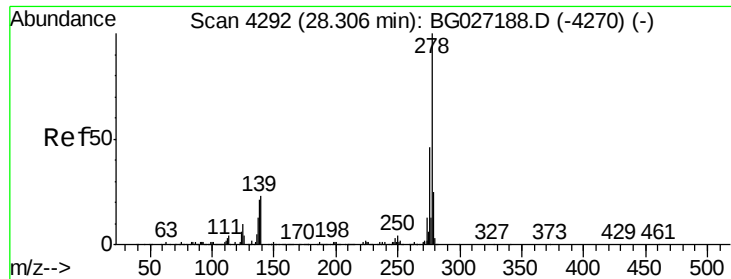


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 19.56 ng/ul

RT: 28.31 min Scan# 4292

Delta R.T. -0.00 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

Instrument :

BNA_G

ClientSampleId :

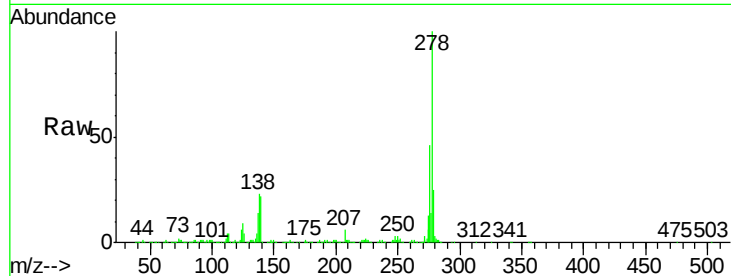
Tot Ion:278 Resp: 711980

Ion Ratio Lower Upper

278 100

139 21.9 14.0 21.0#

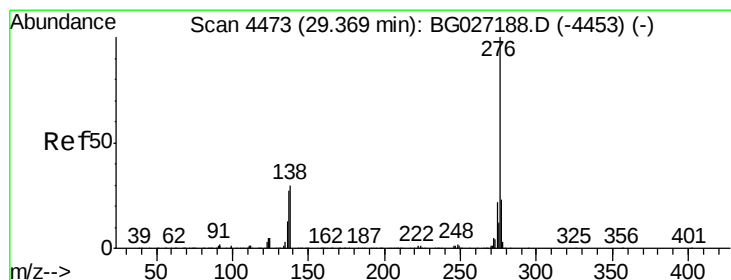
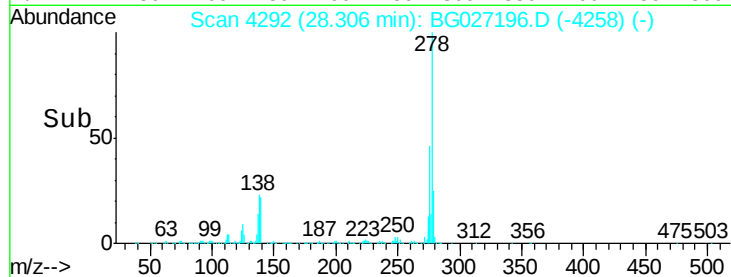
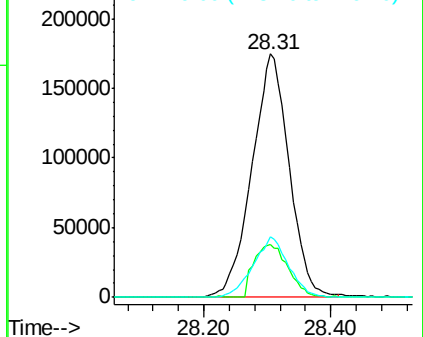
279 24.7 20.6 31.0



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: 20.19 ng/ul

RT: 29.38 min Scan# 4475

Delta R.T. 0.01 min

Lab File: BG027196.D

Acq: 28 May 2017 9:56

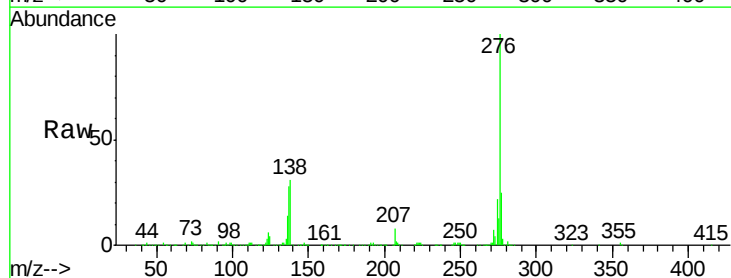
Tgt Ion:276 Resp: 700034

Ion Ratio Lower Upper

276 100

138 30.5 19.0 28.4#

277 25.1 19.7 29.5



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

