

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052617\
 Data File : BG027147.D
 Acq On : 25 May 2017 3:22
 Operator : SJ/MA
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 25 04:54:56 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 25 04:52:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	201650	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	993418	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	522375	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	946459	20.00	ng/ul	0.00
17) Chrysene-d12	21.61	240	836859	20.00	ng/ul	0.00
22) Perylene-d12	24.78	264	724749	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.32	160	1113801	20.79	ng/ul	0.00
10) Fluorene-d10	15.61	176	716708	20.05	ng/ul	0.00
14) Anthracene-d10	17.36	188	946459	20.51	ng/ul	-0.09
18) Pyrene-d10	19.74	212	900069	20.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.57	264	768606	21.34	ng/ul	0.01

Target Compounds

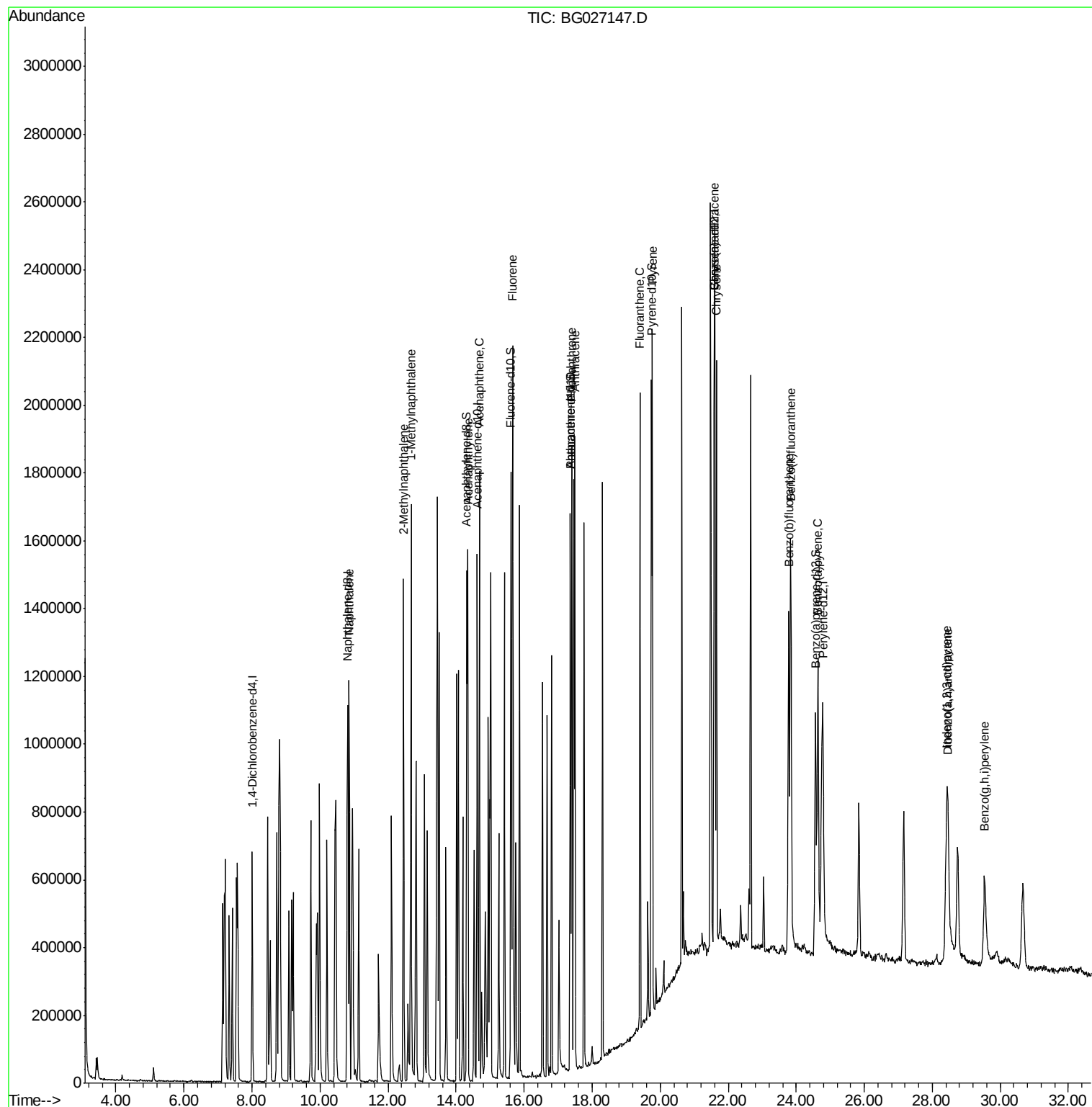
						Ovalue
3) Naphthalene	10.86	128	1049453	20.36	ng/ul	98
4) 2-Methylnaphthalene	12.46	142	775126	20.30	ng/ul	99
5) 1-Methylnaphthalene	12.68	142	836550	20.35	ng/ul#	96
8) Acenaphthylene	14.35	152	1107585	20.57	ng/ul	95
9) Acenaphthene	14.69	153	759964	20.61	ng/ul	96
11) Fluorene	15.67	166	798385	20.33	ng/ul	96
13) Phenanthrene	17.40	178	1097425	20.74	ng/ul	97
15) Anthracene	17.50	178	1137538	20.93	ng/ul	96
16) Fluoranthene	19.41	202	1117785	20.66	ng/ul#	93
19) Pyrene	19.77	202	1145108	20.94	ng/ul#	85
20) Benzo(a)anthracene	21.59	228	1020856	20.25	ng/ul	96
21) Chrysene	21.65	228	935811	20.22	ng/ul	98
23) Benzo(b)fluoranthene	23.78	252	949643	22.05	ng/ul#	94
24) Benzo(k)fluoranthene	23.85	252	1014902	22.91	ng/ul#	95
26) Benzo(a)pyrene	24.63	252	893570	21.20	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	28.42	276	757155	19.53	ng/ul#	79
28) Dibenzo(a,h)anthracene	28.46	278	646929	19.34	ng/ul#	91
29) Benzo(g,h,i)perylene	29.53	276	479346	15.55	ng/ul#	86

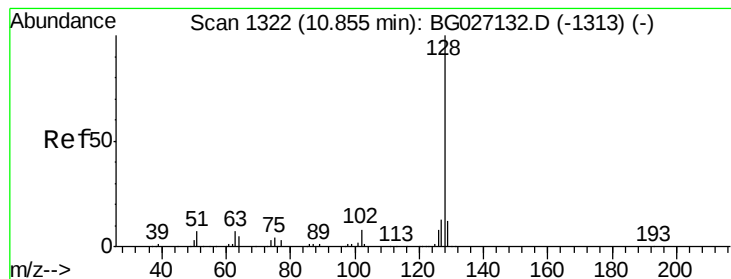
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.36 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampleId :

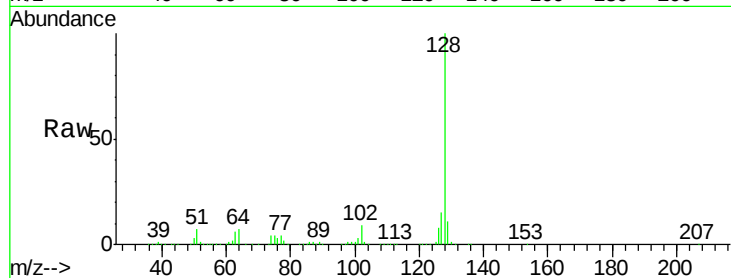
Tot Ion:128 Resp: 1049453

Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

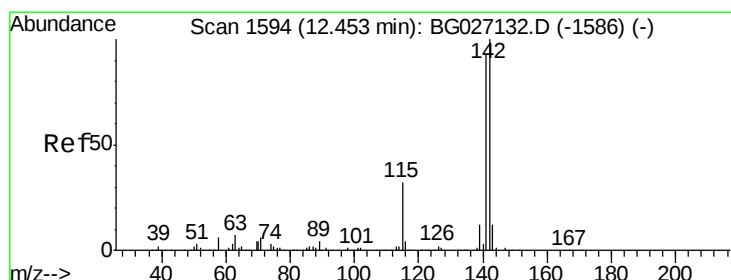
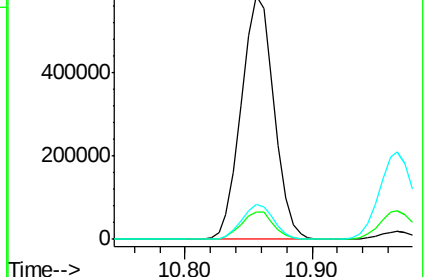
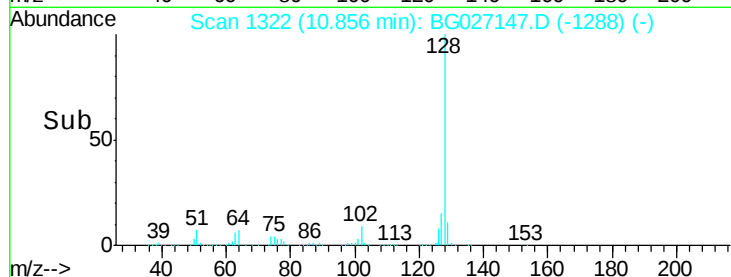
127 14.6 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 20.30 ng/ul

RT: 12.46 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BG027147.D

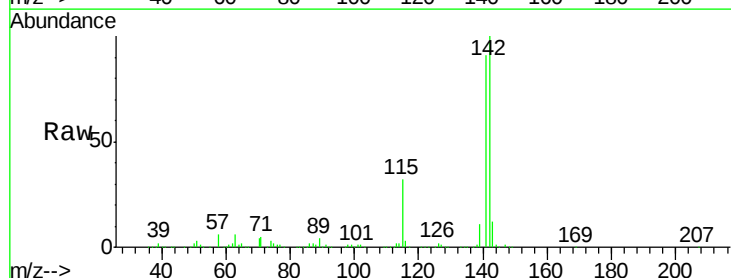
Acq: 25 May 2017 3:22

Tgt Ion:142 Resp: 775126

Ion Ratio Lower Upper

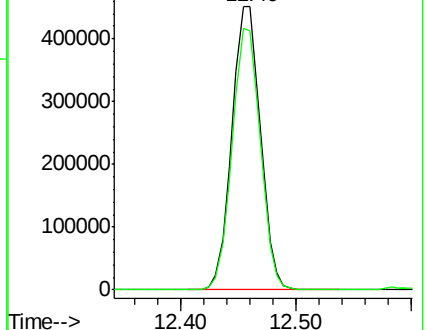
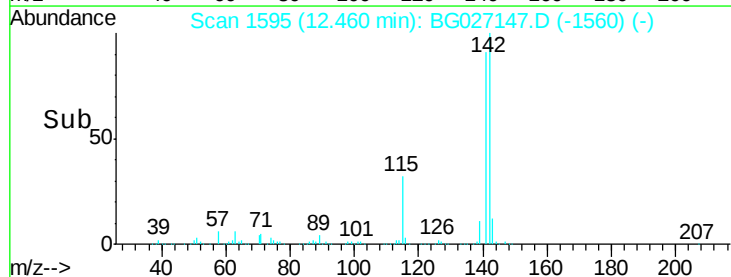
142 100

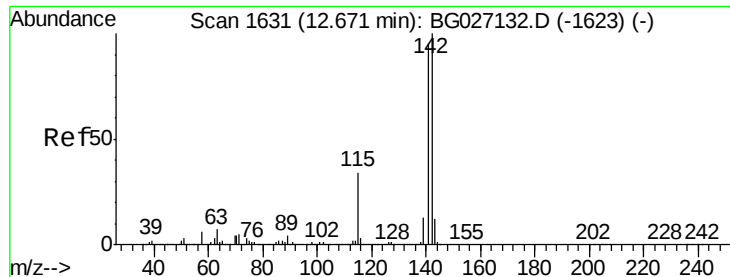
141 91.4 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.35 ng/ul

RT: 12.68 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampleId :

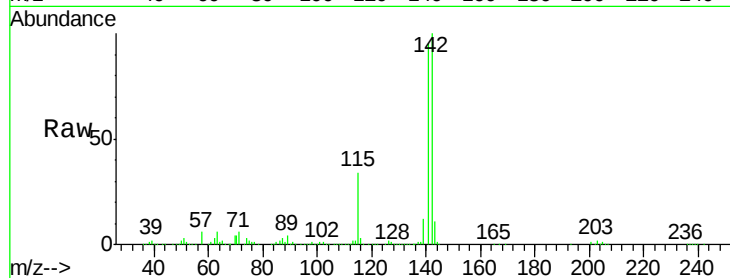
Tot Ion:142 Resp: 836550

Ion Ratio Lower Upper

142 100

141 94.9 79.3 118.9

116 3.3 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

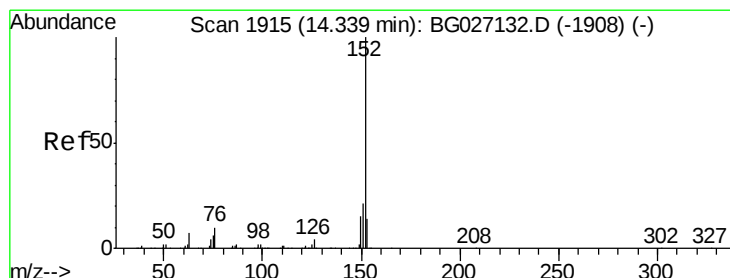
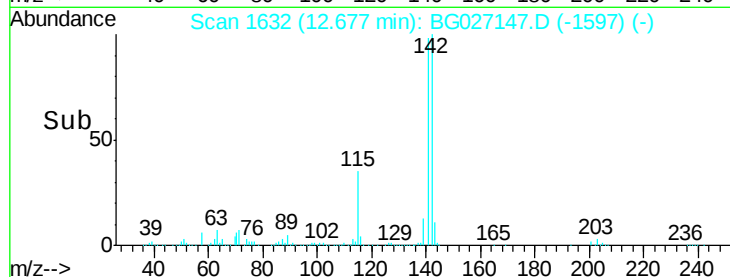
Ion 116.00 (115.70 to 116.70): E

12.68

400000

200000

Time-->



#8

Acenaphthylene

Concen: 20.57 ng/ul

RT: 14.35 min Scan# 1916

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

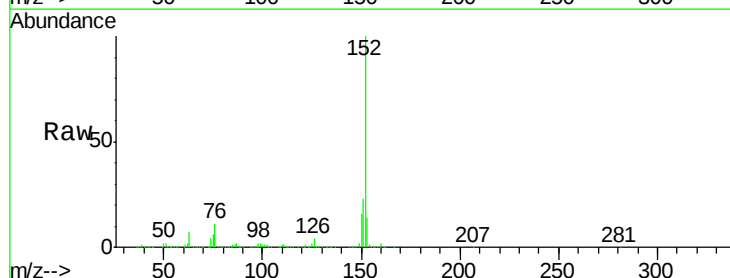
Tgt Ion:152 Resp: 1107585

Ion Ratio Lower Upper

152 100

151 23.4 16.7 25.1

153 14.0 10.2 15.4



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

14.35

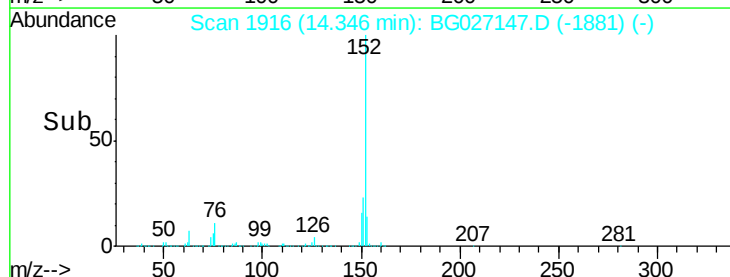
800000

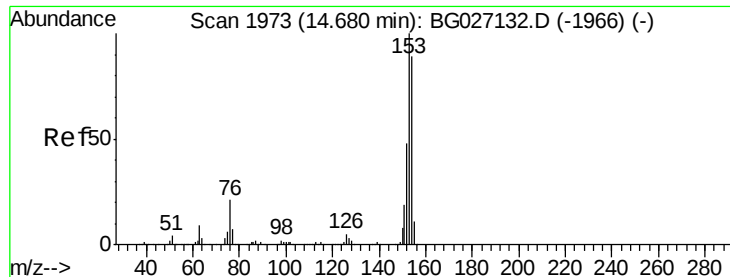
600000

400000

200000

Time-->





#9

Acenaphthene

Concen: 20.61 ng/ul

RT: 14.69 min Scan# 1974

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampleId :

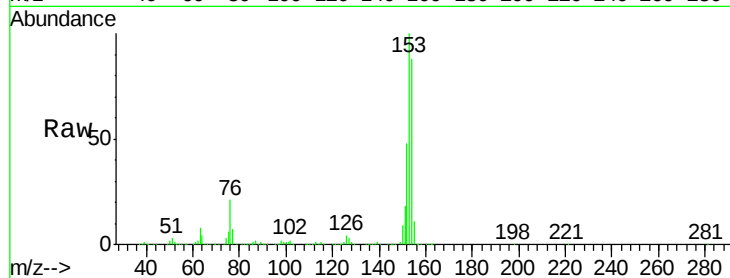
Tot Ion:153 Resp: 759964

Ion Ratio Lower Upper

153 100

152 47.6 39.0 58.6

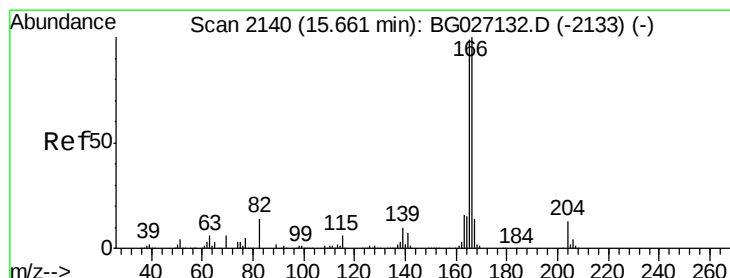
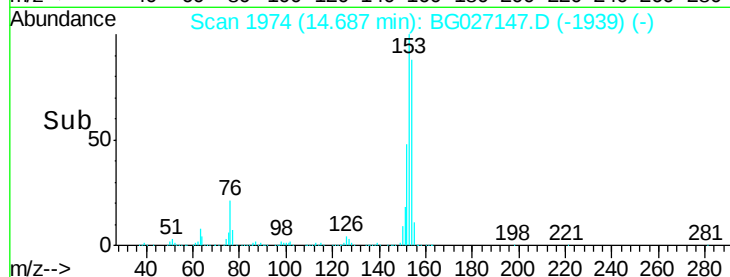
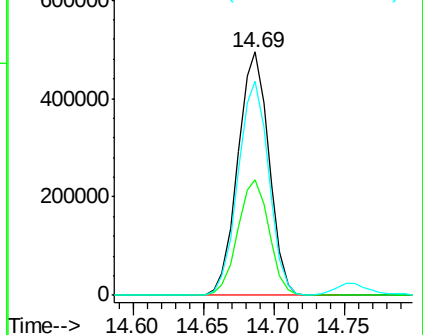
154 88.0 66.8 100.2



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: 20.33 ng/ul

RT: 15.67 min Scan# 2141

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

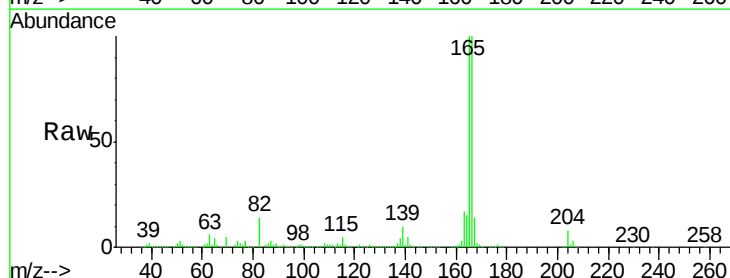
Tgt Ion:166 Resp: 798385

Ion Ratio Lower Upper

166 100

165 100.5 83.8 125.8

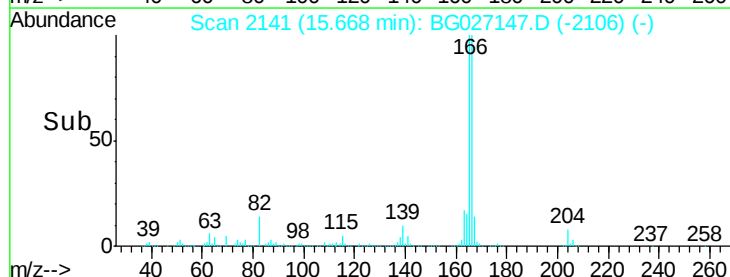
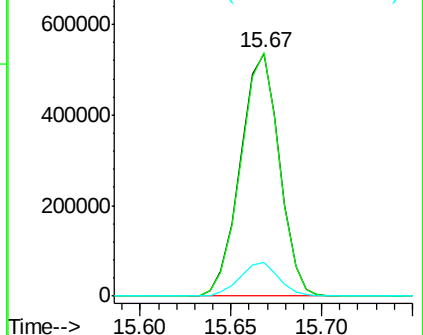
167 14.0 11.5 17.3

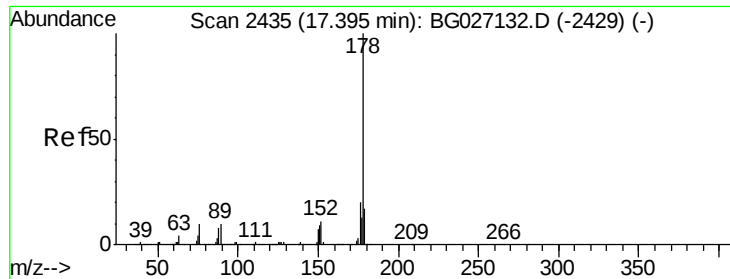


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.74 ng/ul

RT: 17.40 min Scan# 2436

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampled :

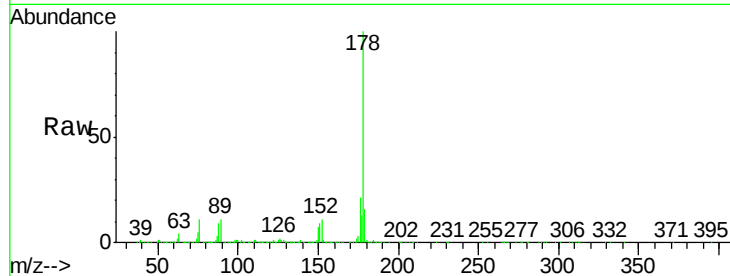
Tot Ion:178 Resp: 1097425

Ion Ratio Lower Upper

178 100

179 16.5 12.3 18.5

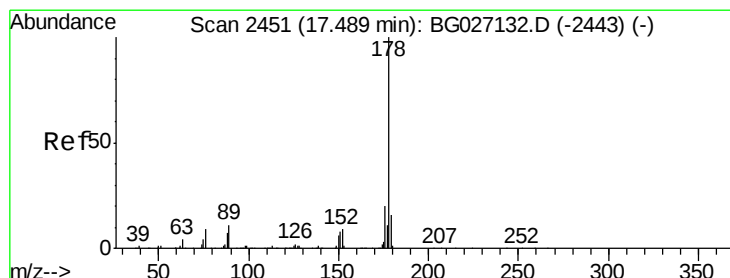
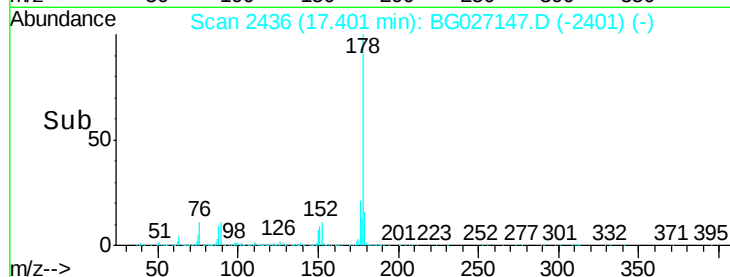
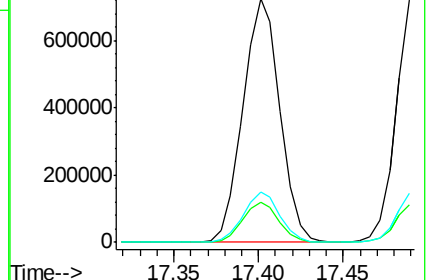
176 20.6 15.1 22.7



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



#15

Anthracene

Concen: 20.93 ng/ul

RT: 17.50 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

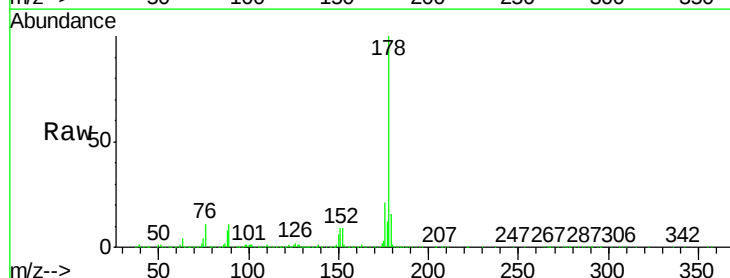
Tgt Ion:178 Resp: 1137538

Ion Ratio Lower Upper

178 100

179 16.3 11.8 17.8

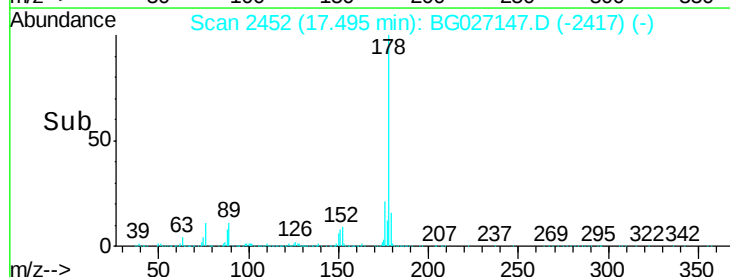
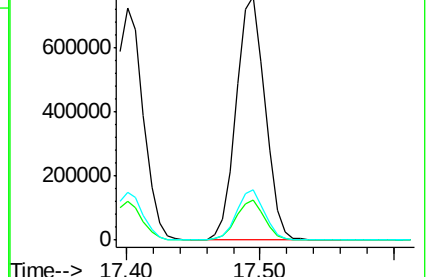
176 20.6 15.2 22.8

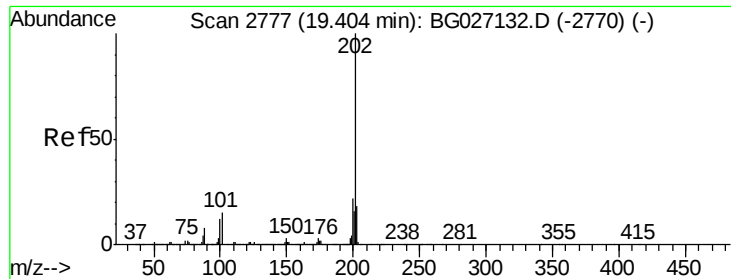


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

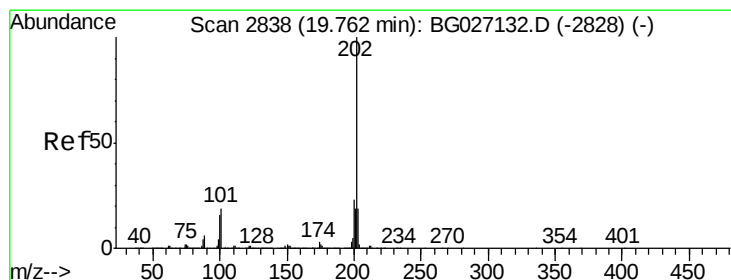
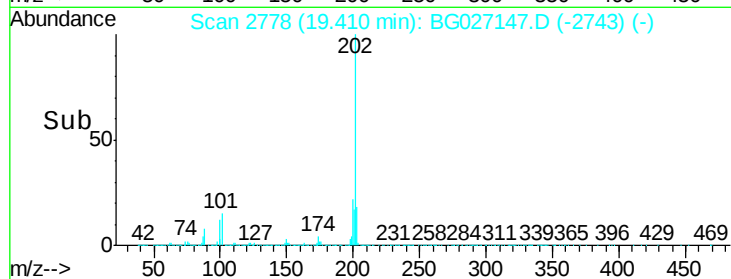
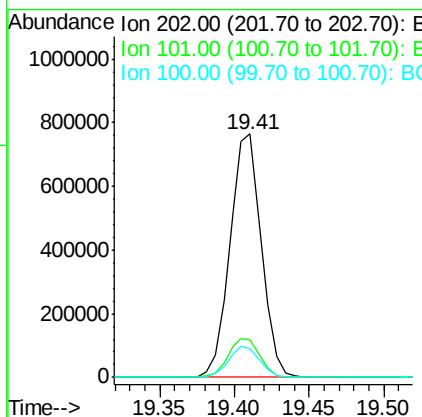
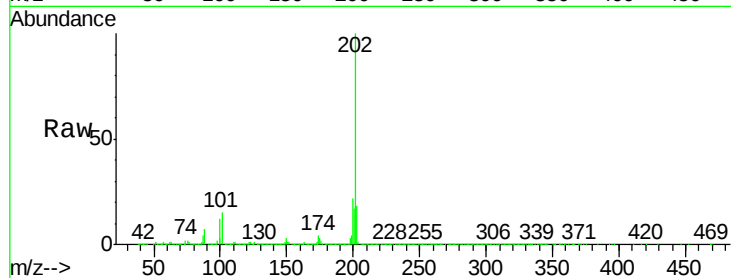




#16
 Fluoranthene
 Concen: 20.66 ng/ul
 RT: 19.41 min Scan# 2778
 Delta R.T. 0.01 min
 Lab File: BG027147.D
 Acq: 25 May 2017 3:22

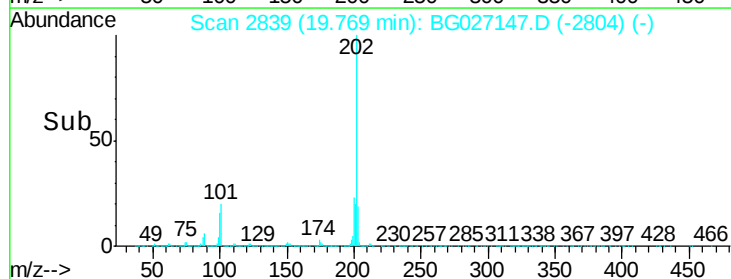
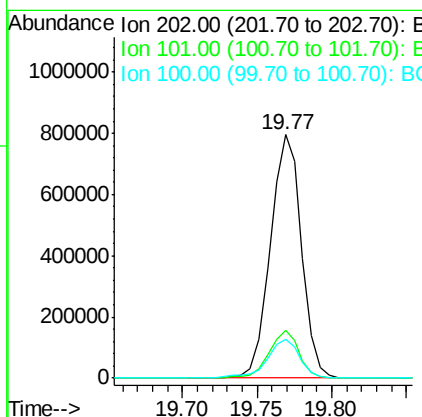
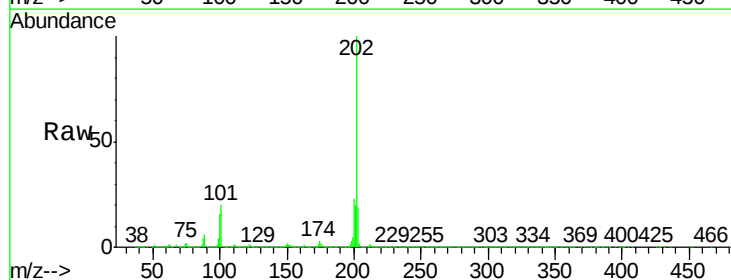
Instrument :
 BNA_G
 ClientSampleId :

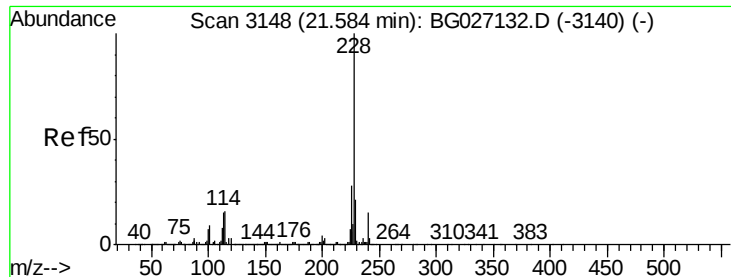
Tot Ion:202 Resp: 1117785
 Ion Ratio Lower Upper
 202 100
 101 15.3 9.9 14.9#
 100 11.8 7.4 11.0#



#19
 Pyrene
 Concen: 20.94 ng/ul
 RT: 19.77 min Scan# 2839
 Delta R.T. 0.01 min
 Lab File: BG027147.D
 Acq: 25 May 2017 3:22

Tgt Ion:202 Resp: 1145108
 Ion Ratio Lower Upper
 202 100
 101 19.5 11.0 16.4#
 100 16.0 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 20.25 ng/ul

RT: 21.59 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

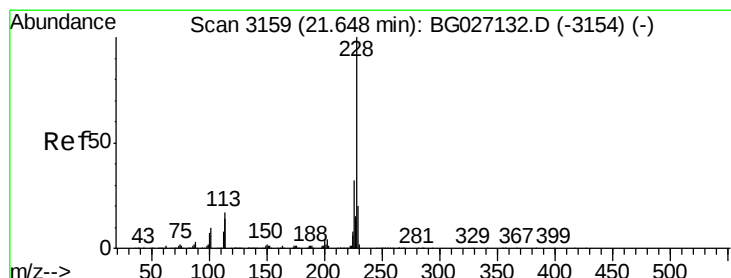
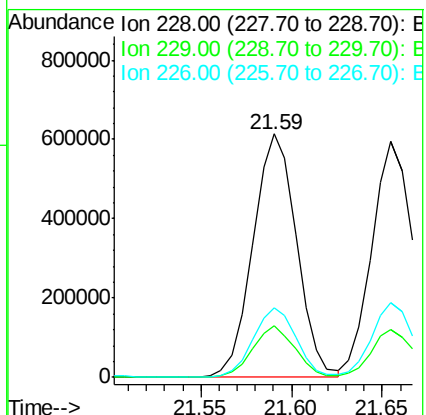
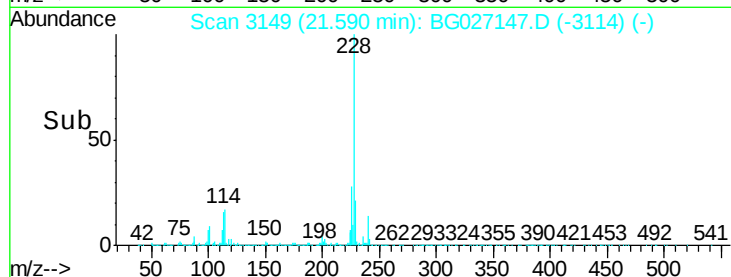
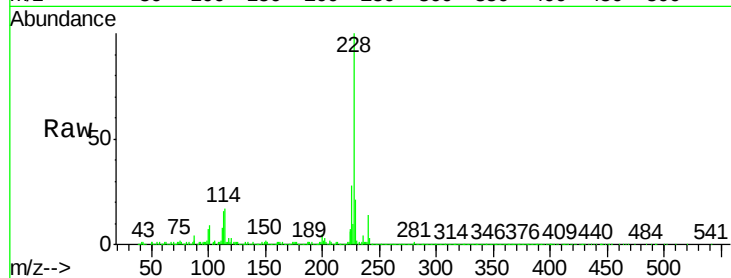
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1020856

Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.7	23.5
226	28.5	21.1	31.7



#21

Chrysene

Concen: 20.22 ng/ul

RT: 21.65 min Scan# 3160

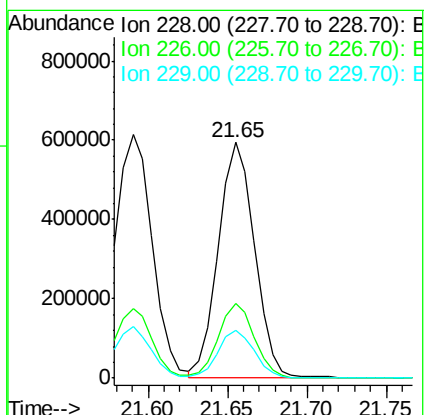
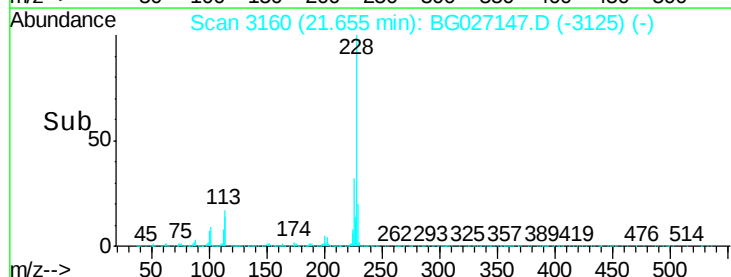
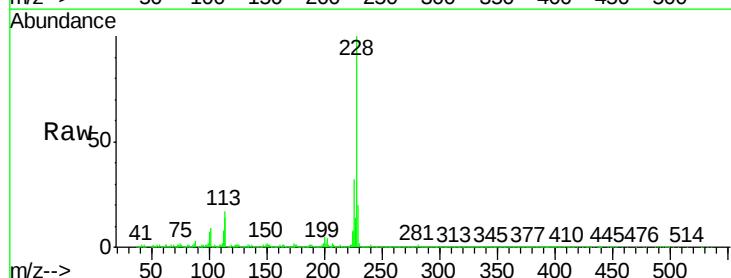
Delta R.T. 0.01 min

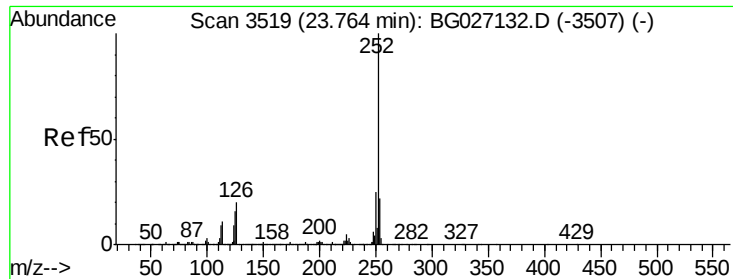
Lab File: BG027147.D

Acq: 25 May 2017 3:22

Tgt Ion:228 Resp: 935811

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.5	36.7
229	20.0	15.8	23.8





#23

Benzo(b)fluoranthene

Concen: 22.05 ng/ul

RT: 23.78 min Scan# 3521

Delta R.T. 0.01 min

Lab File: BG027147.D

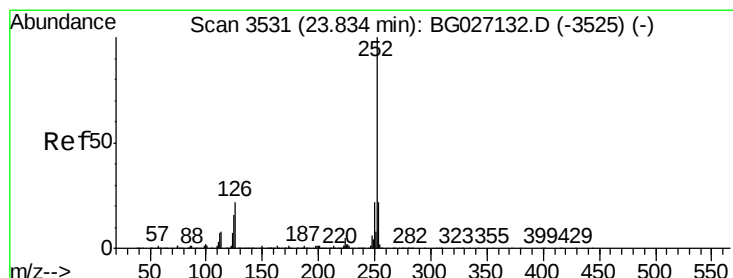
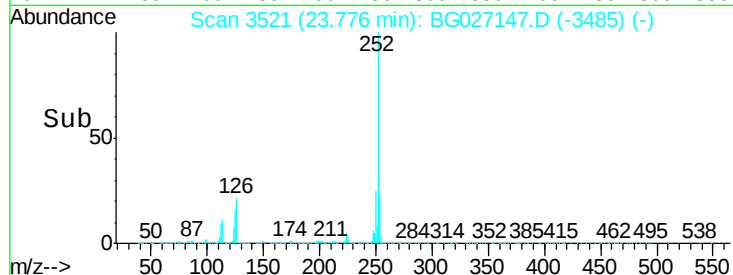
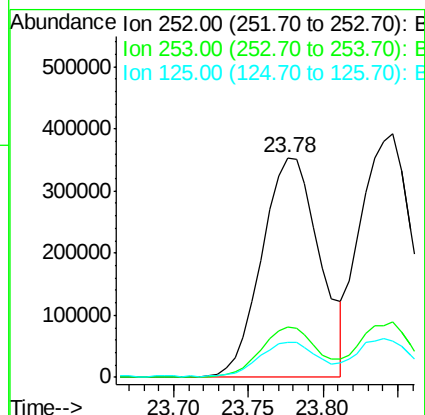
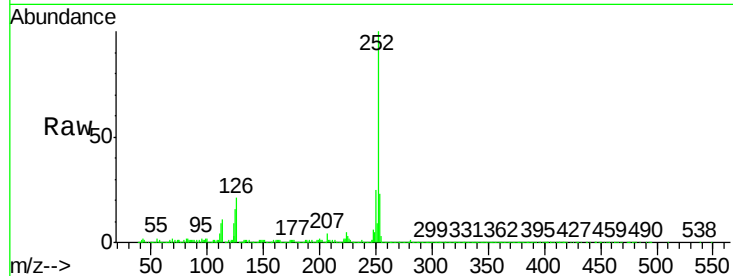
Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampled :

Tot Ion:252	Resp:	949643
Ion Ratio	Lower	Upper
252	100	
253	23.0	18.0 27.0
125	16.2	8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 22.91 ng/ul

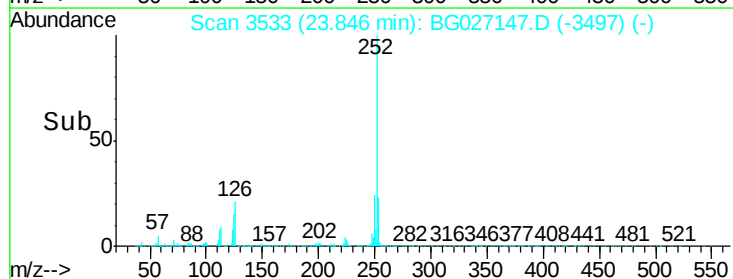
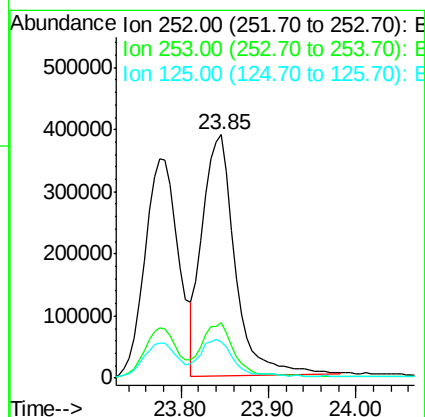
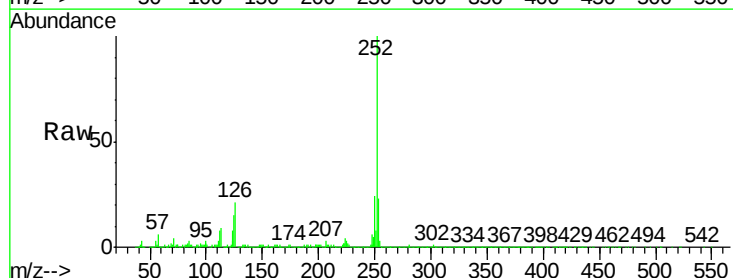
RT: 23.85 min Scan# 3533

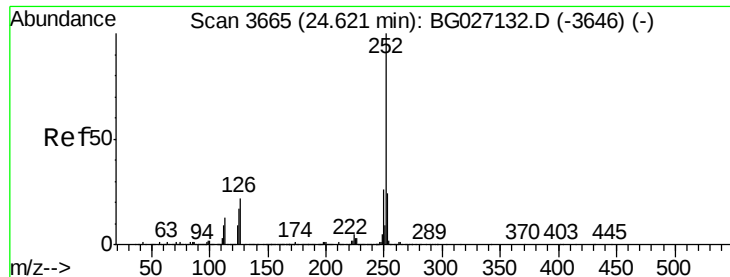
Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Tgt Ion:252	Resp:	1014902
Ion Ratio	Lower	Upper
252	100	
253	22.8	18.0 27.0
125	15.1	8.1 12.1#





#26

Benzo(a)pyrene

Concen: 21.20 ng/ul

RT: 24.63 min Scan# 3667

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampleId :

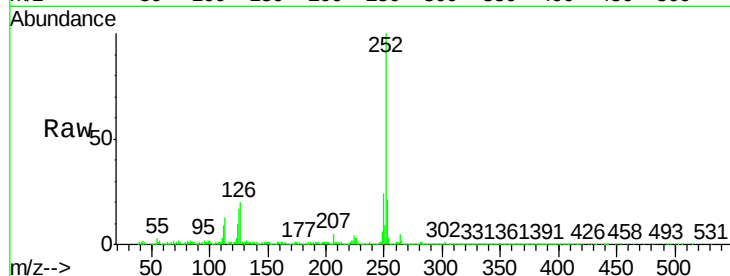
Tot Ion:252 Resp: 893570

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

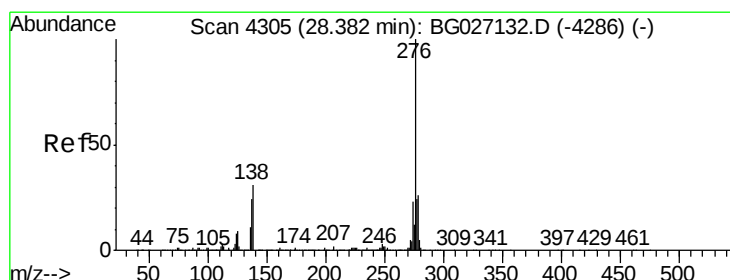
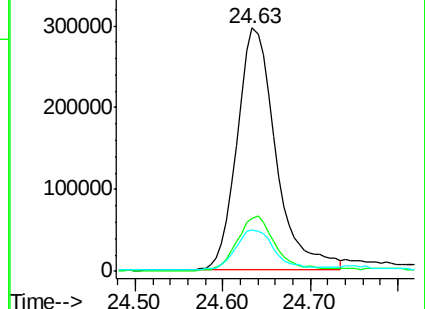
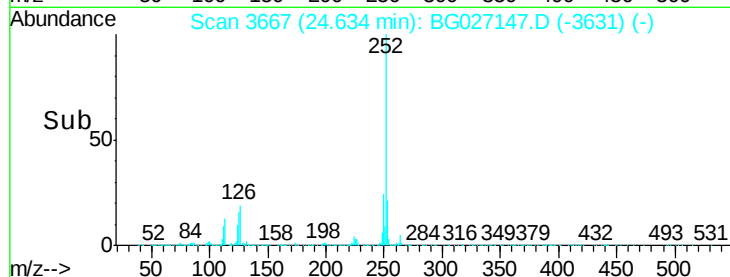
125 16.9 8.2 12.4#



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

Indeno(1,2,3-cd)pyrene

Concen: 19.53 ng/ul

RT: 28.42 min Scan# 4312

Delta R.T. 0.04 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

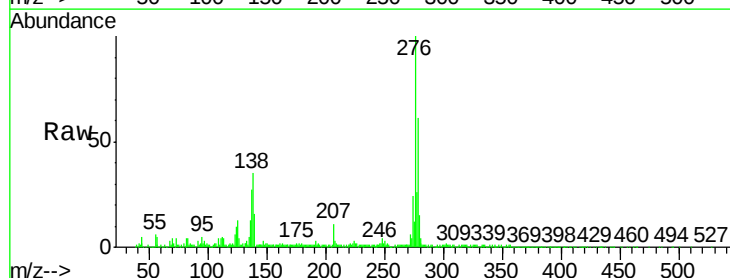
Tgt Ion:276 Resp: 757155

Ion Ratio Lower Upper

276 100

138 35.1 14.4 21.6#

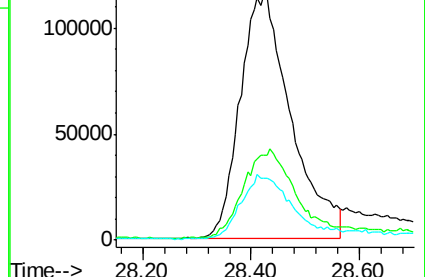
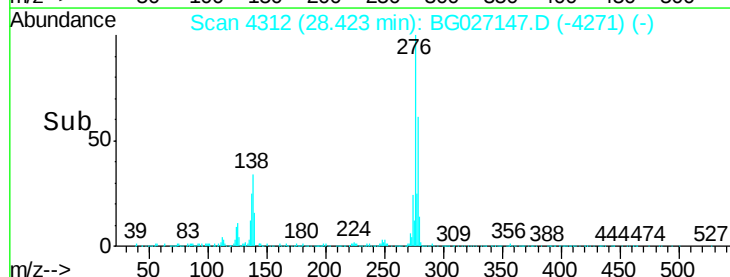
277 25.5 18.0 27.0

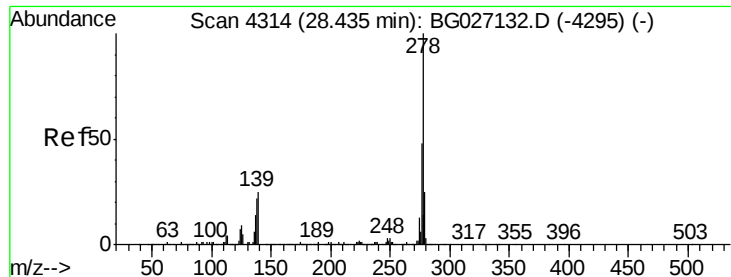


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 19.34 ng/ul

RT: 28.46 min Scan# 4318

Delta R.T. 0.02 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

Instrument :

BNA_G

ClientSampleId :

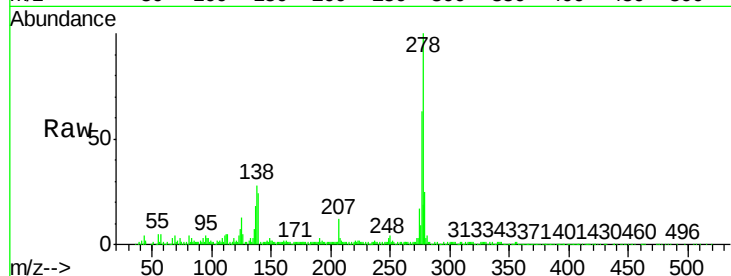
Tot Ion:278 Resp: 646929

Ion Ratio Lower Upper

278 100

139 24.4 12.2 18.4#

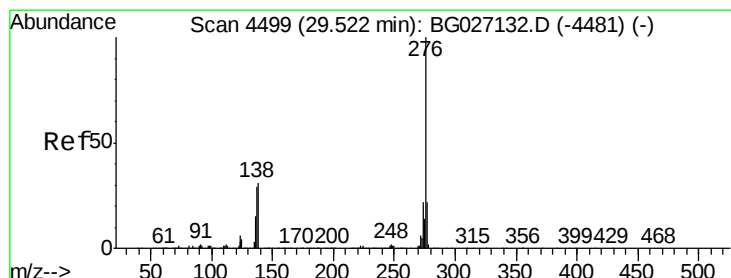
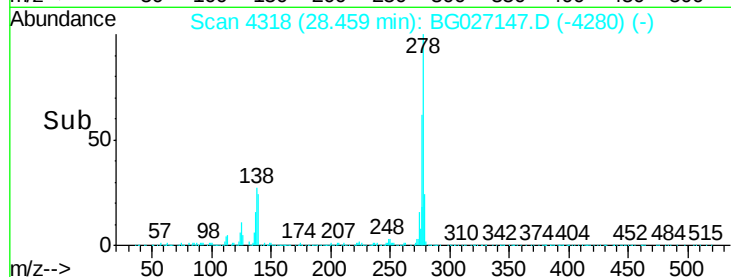
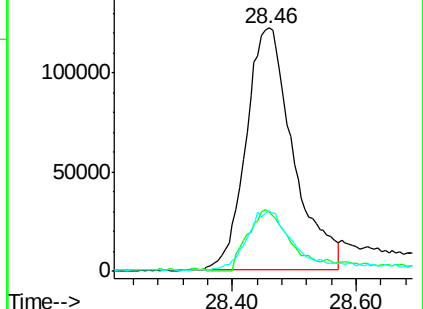
279 24.7 19.2 28.8



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



#29

Benzo(g,h,i)perylene

Concen: 15.55 ng/ul

RT: 29.53 min Scan# 4501

Delta R.T. 0.01 min

Lab File: BG027147.D

Acq: 25 May 2017 3:22

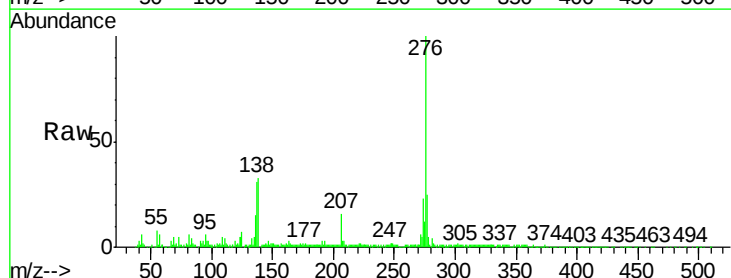
Tgt Ion:276 Resp: 479346

Ion Ratio Lower Upper

276 100

138 32.5 15.3 22.9#

277 24.6 19.0 28.4



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

