

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051817\
 Data File : BG027007.D
 Acq On : 18 May 2017 16:36
 Operator : SJ/MA
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02098

Quant Time: May 19 03:19:37 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 03:12:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	175503	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	829782	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	455284	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.35	188	865272	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	778973	20.00	ng/ul	0.00
22) Perylene-d12	24.76	264	774398	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.31	160	920020	19.70	ng/ul	0.00
10) Fluorene-d10	15.61	176	613284	19.69	ng/ul	0.00
14) Anthracene-d10	17.35	188	865272	20.51	ng/ul	-0.10
18) Pyrene-d10	19.73	212	800112	19.67	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.54	264	746036	19.39	ng/ul	0.00

Target Compounds

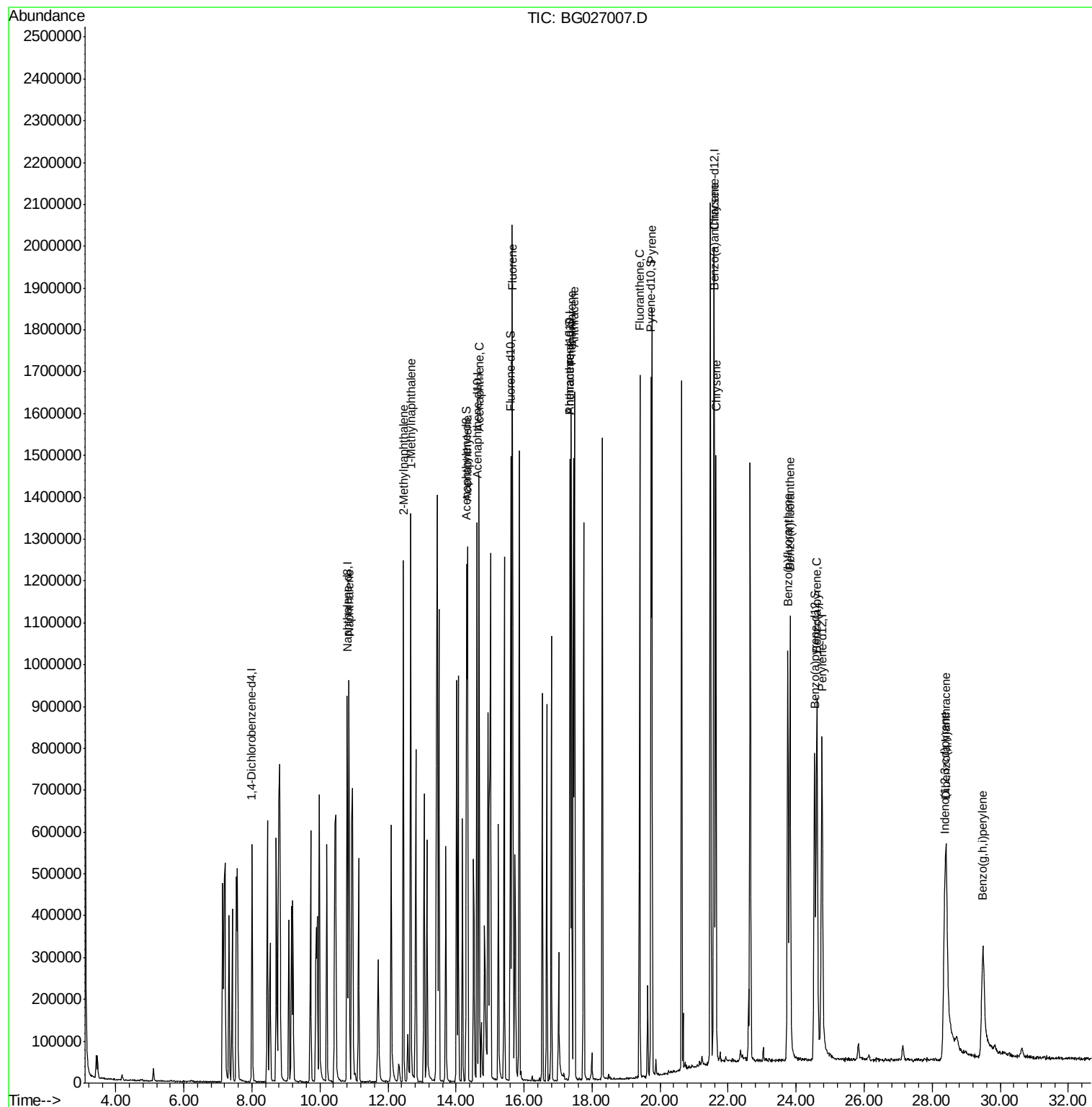
						Qvalue
3) Naphthalene	10.85	128	847485	19.68	ng/ul	98
4) 2-Methylnaphthalene	12.45	142	623087	19.53	ng/ul	99
5) 1-Methylnaphthalene	12.67	142	677027	19.72	ng/ul#	94
8) Acenaphthylene	14.34	152	928247	19.78	ng/ul	98
9) Acenaphthene	14.68	153	638792	19.88	ng/ul	97
11) Fluorene	15.66	166	682387	19.93	ng/ul	92
13) Phenanthrene	17.39	178	957352	19.79	ng/ul	98
15) Anthracene	17.49	178	988010	19.88	ng/ul	98
16) Fluoranthene	19.40	202	983055	19.88	ng/ul#	91
19) Pyrene	19.76	202	1017249	19.98	ng/ul#	85
20) Benzo(a)anthracene	21.58	228	909730	19.38	ng/ul	98
21) Chrysene	21.65	228	831982	19.31	ng/ul	100
23) Benzo(b)fluoranthene	23.75	252	877582	19.07	ng/ul#	94
24) Benzo(k)fluoranthene	23.82	252	925518	19.55	ng/ul#	95
26) Benzo(a)pyrene	24.61	252	877581	19.49	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	28.37	276	778817	18.80	ng/ul#	86
28) Dibenzo(a,h)anthracene	28.41	278	695572	19.46	ng/ul#	93
29) Benzo(g,h,i)perylene	29.50	276	547915	16.63	ng/ul#	86

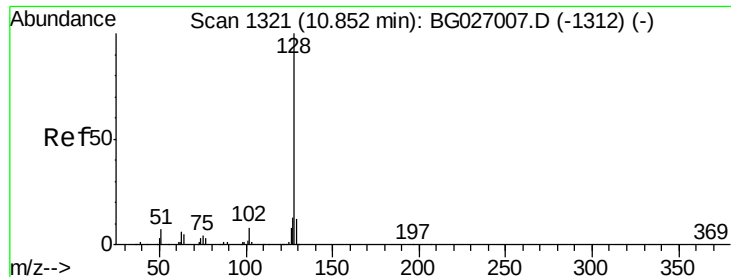
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051817\
Data File : BG027007.D
Acq On : 18 May 2017 16:36
Operator : SJ/MA
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD02098

Quant Time: May 19 03:19:37 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 19 03:12:01 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.68 ng/ul

RT: 10.85 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

Instrument :

BNA_G

ClientSampleId :

SSTD02098

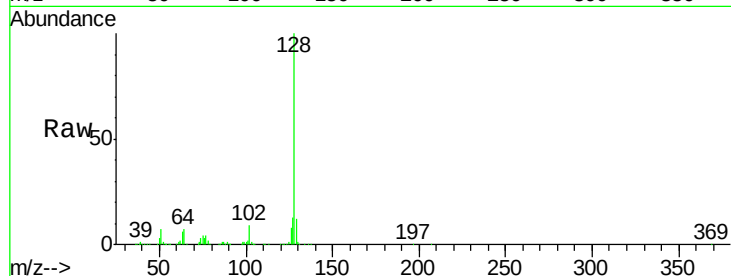
Tgt Ion:128 Resp: 847485

Ion Ratio Lower Upper

128 100

129 12.0 8.7 13.1

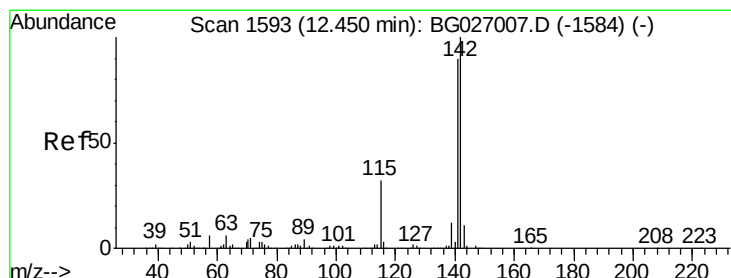
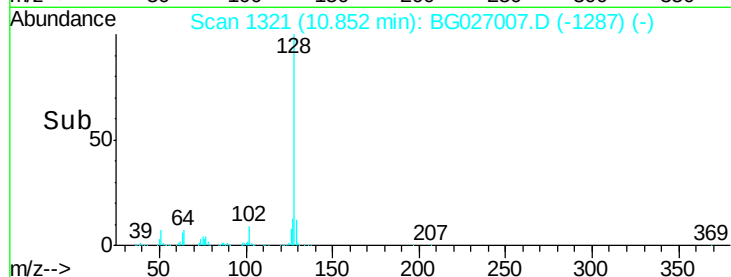
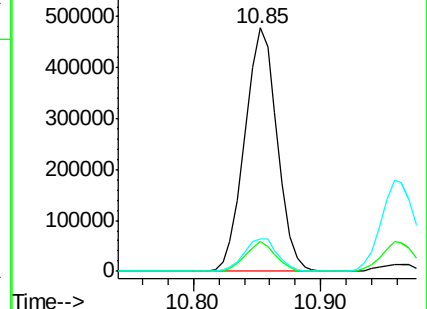
127 13.5 10.6 16.0



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: 19.53 ng/ul

RT: 12.45 min Scan# 1593

Delta R.T. 0.00 min

Lab File: BG027007.D

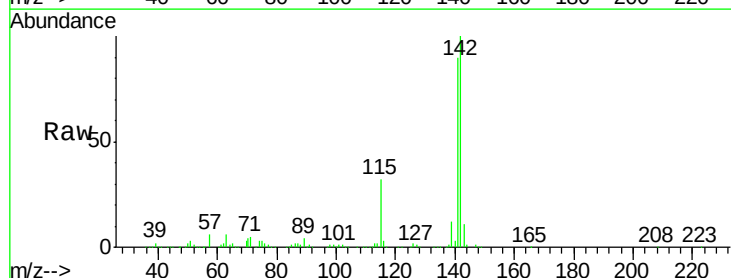
Acq: 18 May 2017 16:36

Tgt Ion:142 Resp: 623087

Ion Ratio Lower Upper

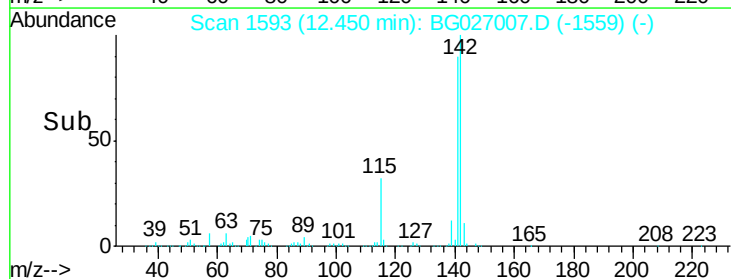
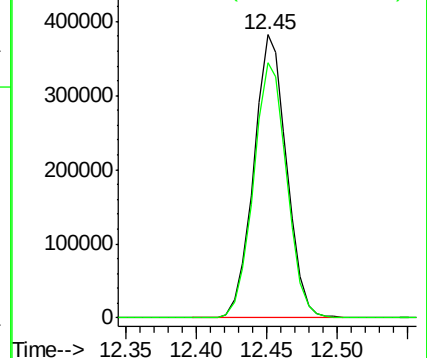
142 100

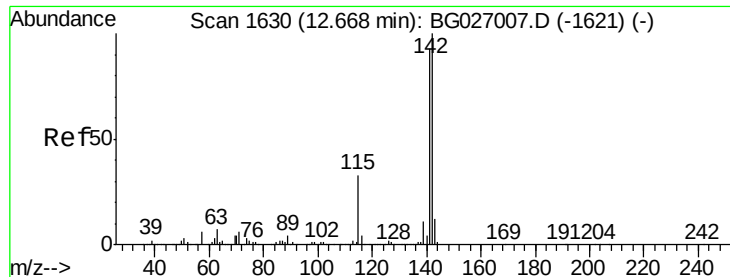
141 90.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.72 ng/ul

RT: 12.67 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

Instrument :

BNA_G

ClientSampled :

SSTD02098

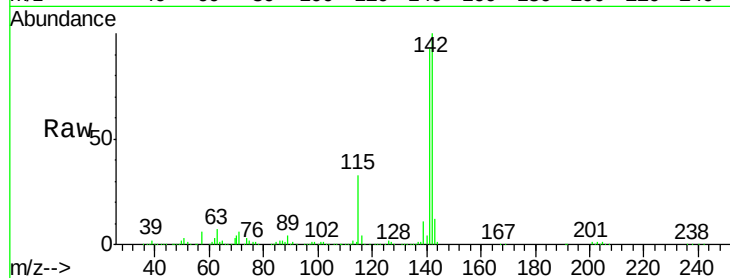
Tgt Ion:142 Resp: 677027

Ion Ratio Lower Upper

142 100

141 93.0 79.3 118.9

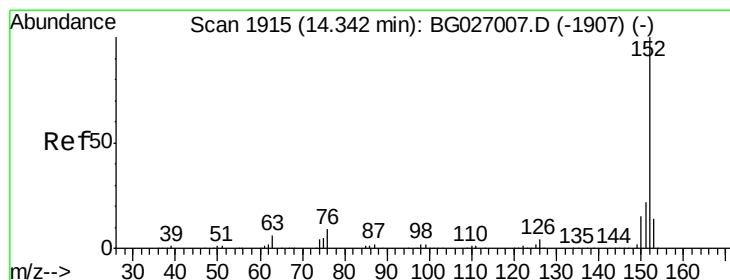
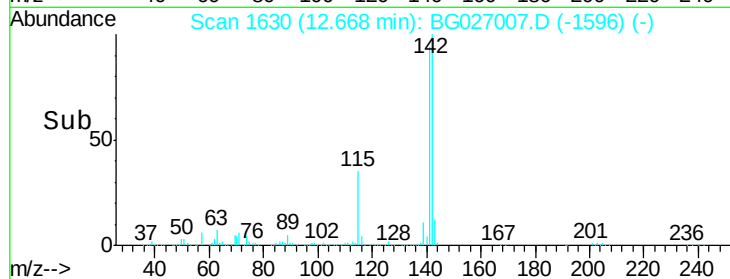
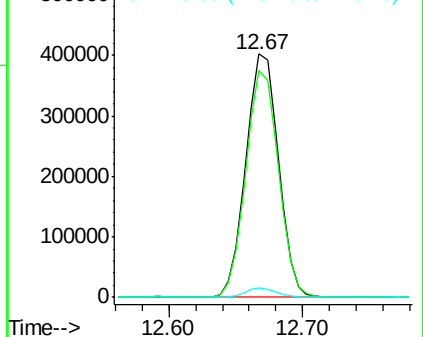
116 3.6 4.2 6.2#



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



#8

Acenaphthylene

Concen: 19.78 ng/ul

RT: 14.34 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

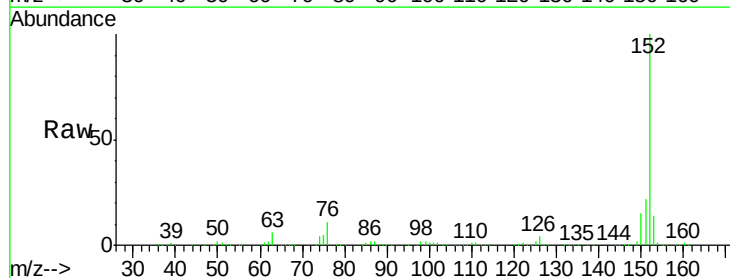
Tgt Ion:152 Resp: 928247

Ion Ratio Lower Upper

152 100

151 21.8 16.7 25.1

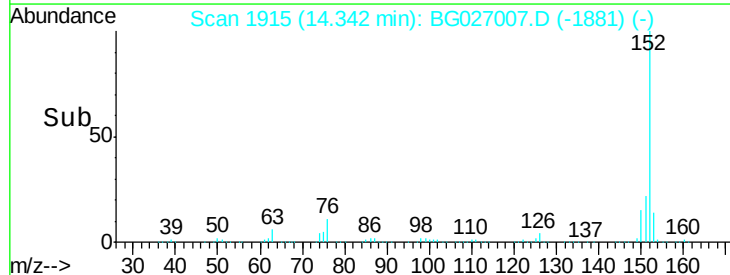
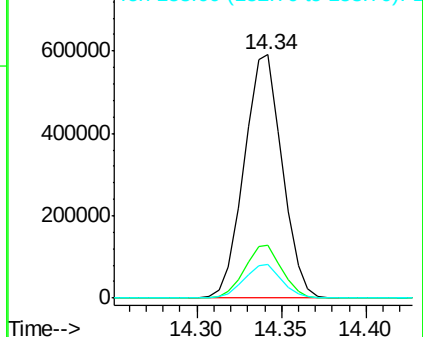
153 13.9 10.2 15.4

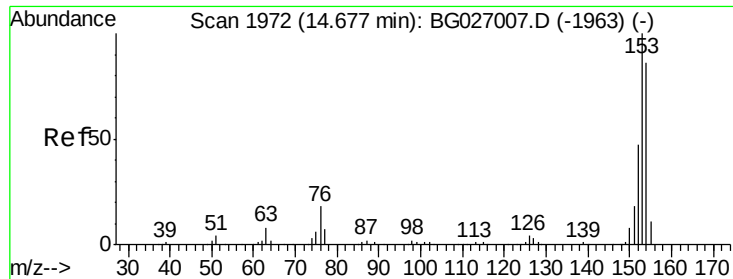


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.88 ng/ul

RT: 14.68 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

Instrument :

BNA_G

ClientSampleId :

SSTD02098

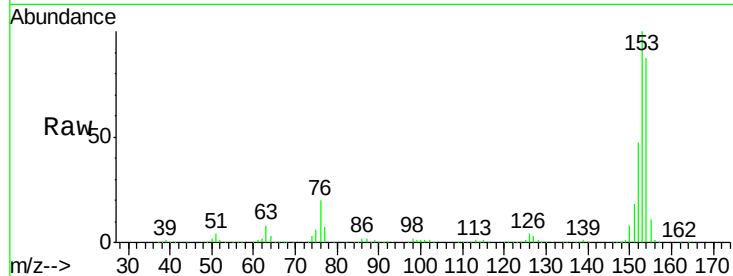
Tgt Ion:153 Resp: 638792

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

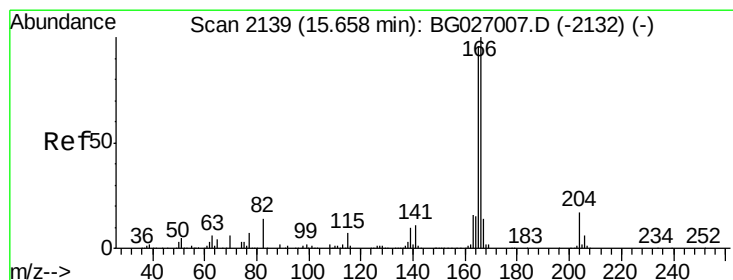
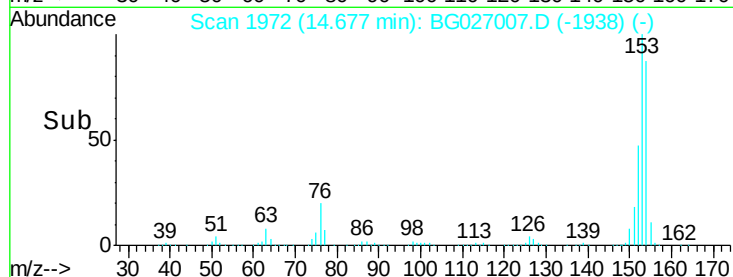
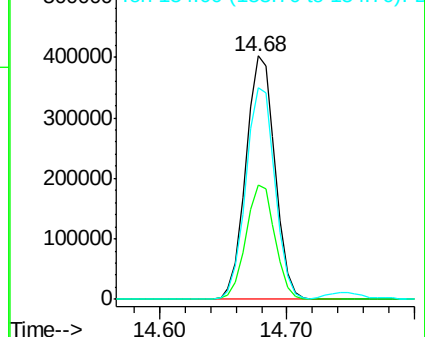
154 86.7 66.8 100.2



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: 19.93 ng/ul

RT: 15.66 min Scan# 2139

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

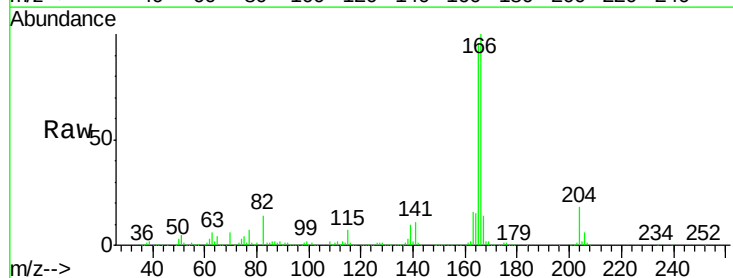
Tgt Ion:166 Resp: 682387

Ion Ratio Lower Upper

166 100

165 95.8 83.8 125.8

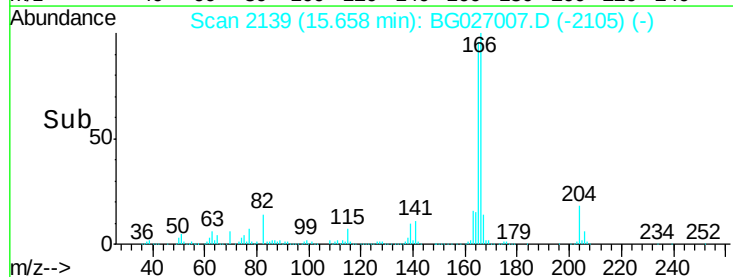
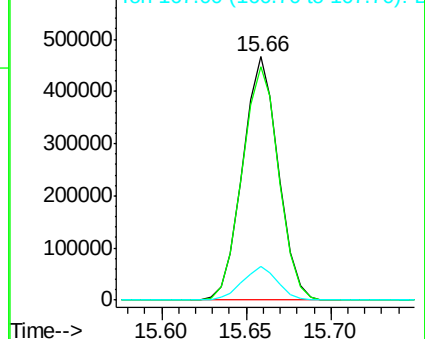
167 13.6 11.5 17.3

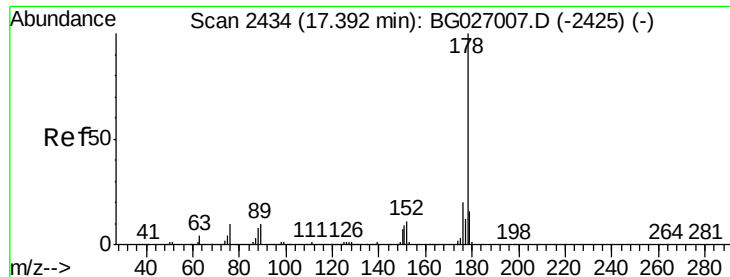


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.79 ng/ul

RT: 17.39 min Scan# 2434

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

Instrument :

BNA_G

ClientSampleId :

SSTD02098

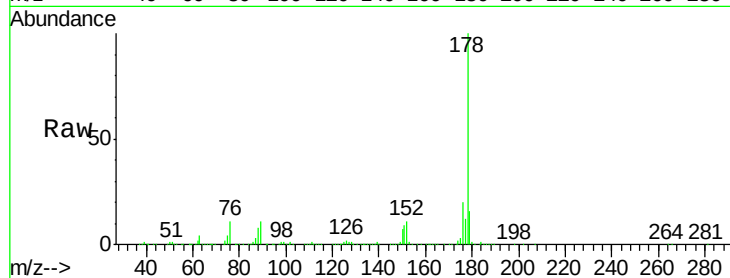
Tgt Ion:178 Resp: 957352

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

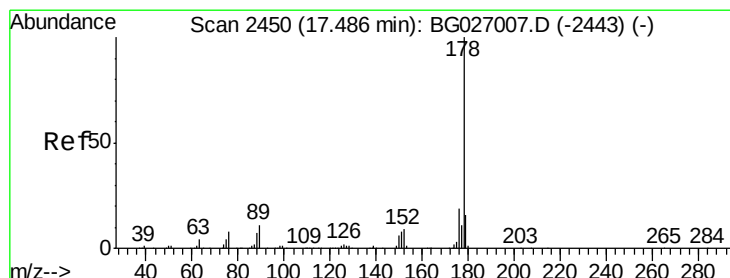
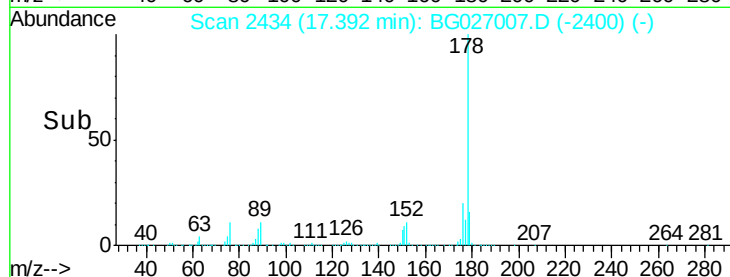
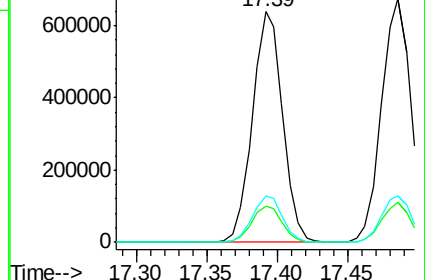
176 20.3 15.1 22.7



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: 19.88 ng/ul

RT: 17.49 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

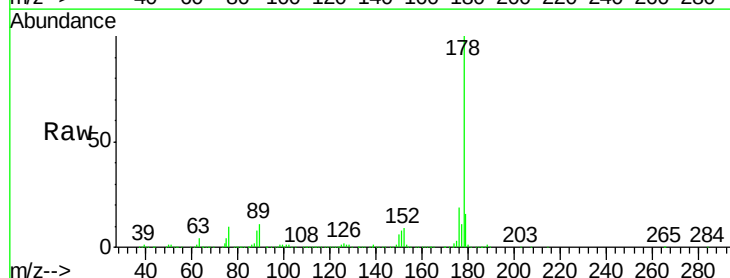
Tgt Ion:178 Resp: 988010

Ion Ratio Lower Upper

178 100

179 16.5 11.8 17.8

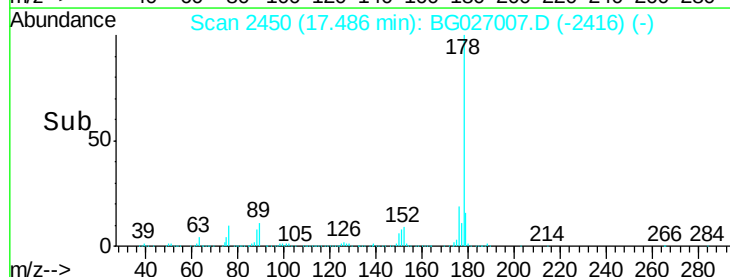
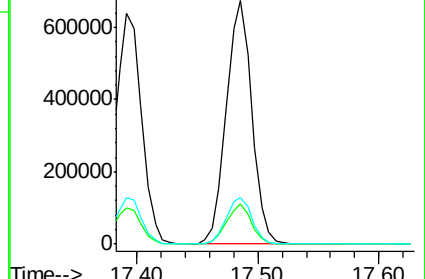
176 19.3 15.2 22.8

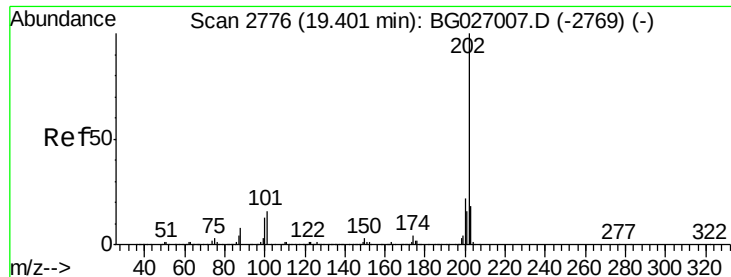


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 19.88 ng/ul

RT: 19.40 min Scan# 2776

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

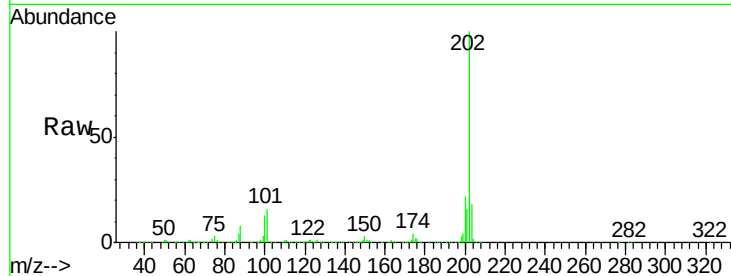
Instrument :

BNA_G

ClientSampleId :

SSTD02098

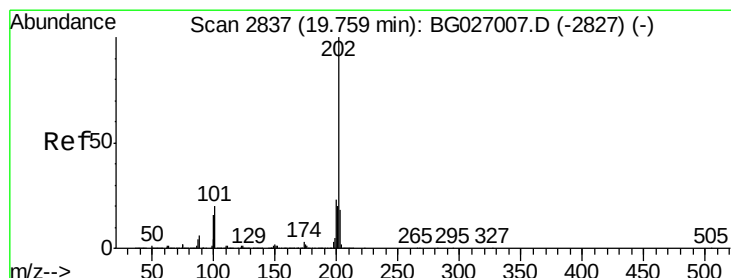
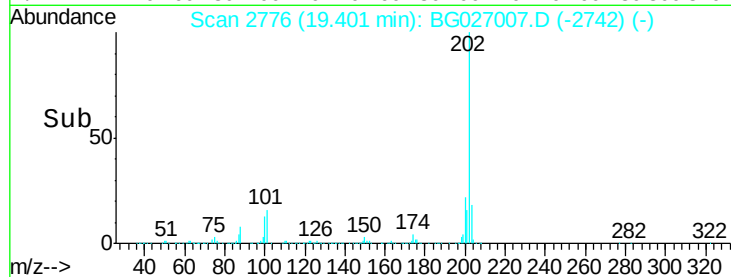
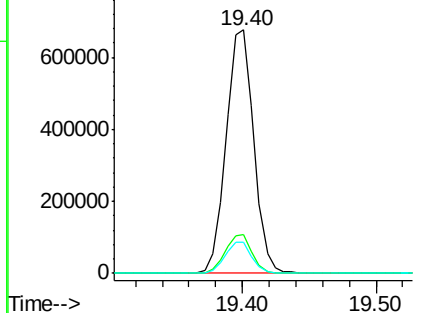
Tgt Ion:	202	Resp:	983055
Ion Ratio	Lower	Upper	
202	100		
101	15.9	9.9	14.9#
100	12.6	7.4	11.0#



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



#19

Pyrene

Concen: 19.98 ng/ul

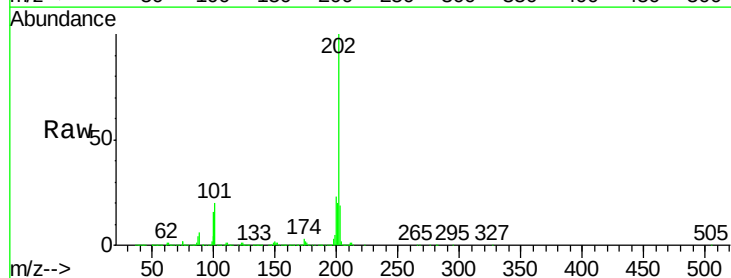
RT: 19.76 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

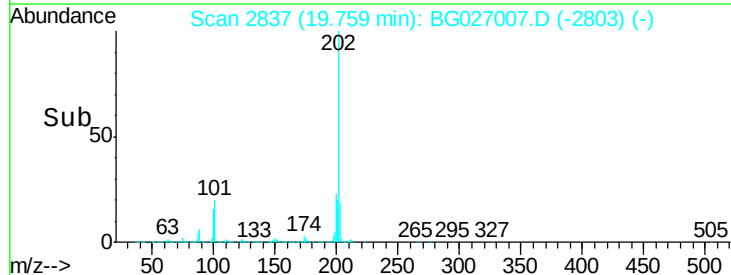
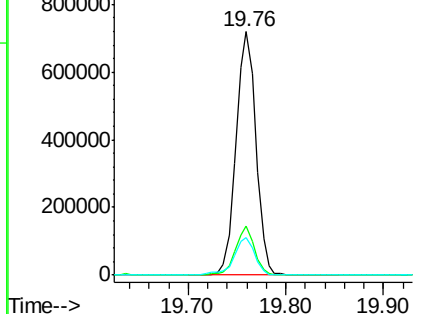
Tgt Ion:	202	Resp:	1017249
Ion Ratio	Lower	Upper	
202	100		
101	19.9	11.0	16.4#
100	15.5	8.1	12.1#

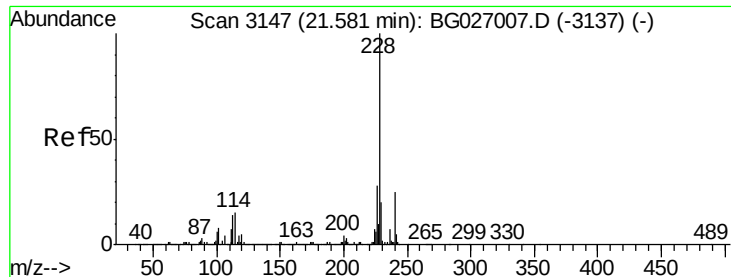


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.38 ng/ul

RT: 21.58 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

Instrument :

BNA_G

ClientSampleId :

SSTD02098

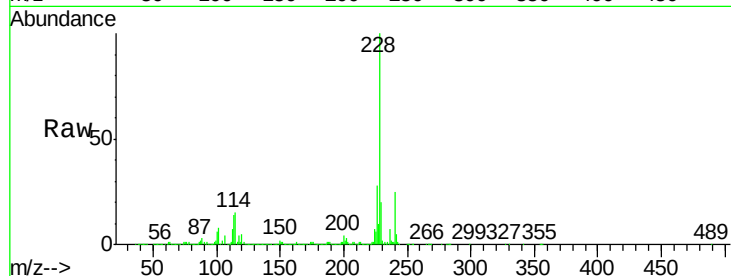
Tgt Ion:228 Resp: 909730

Ion Ratio Lower Upper

228 100

229 19.9 15.7 23.5

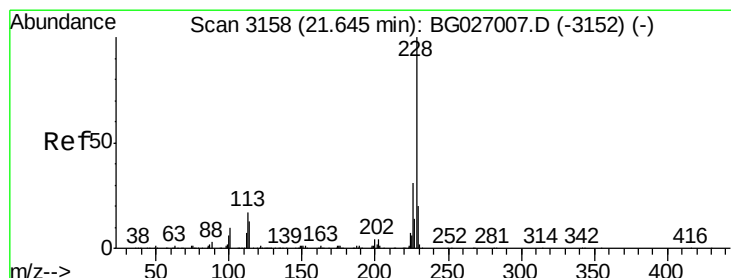
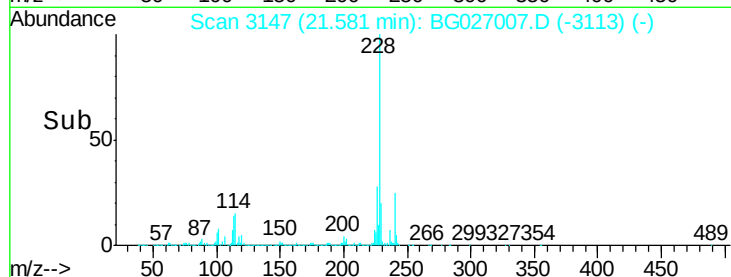
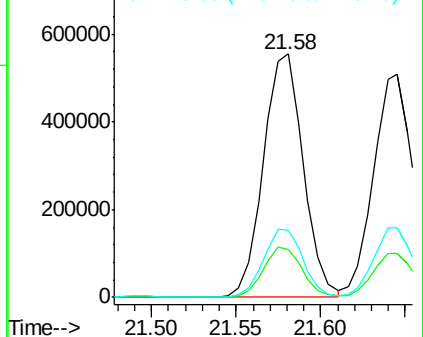
226 27.7 21.1 31.7



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



#21

Chrysene

Concen: 19.31 ng/ul

RT: 21.65 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

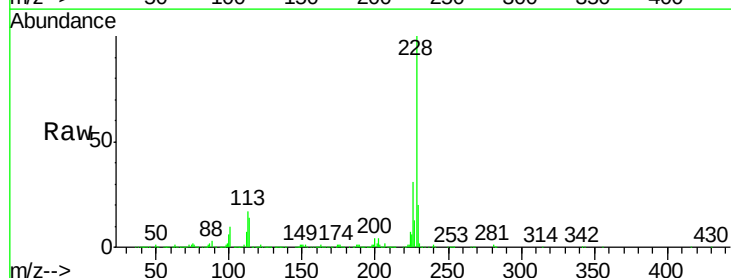
Tgt Ion:228 Resp: 831982

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

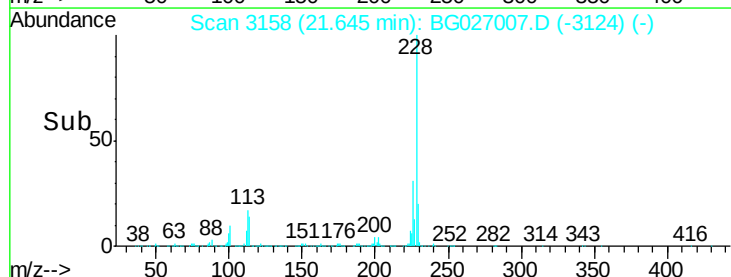
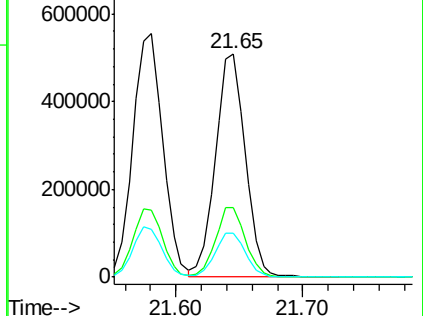
229 19.7 15.8 23.8

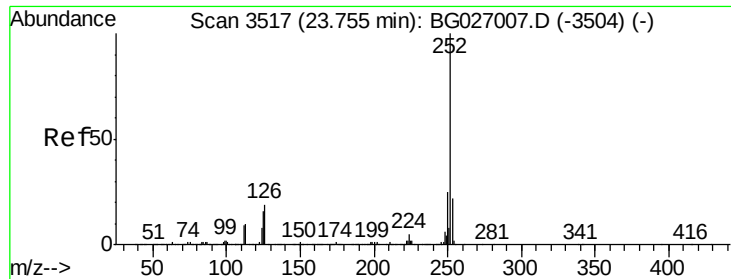


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.07 ng/ul

RT: 23.75 min Scan# 3517

Delta R.T. 0.00 min

Lab File: BG027007.D

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Instrument :

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SSTD02098

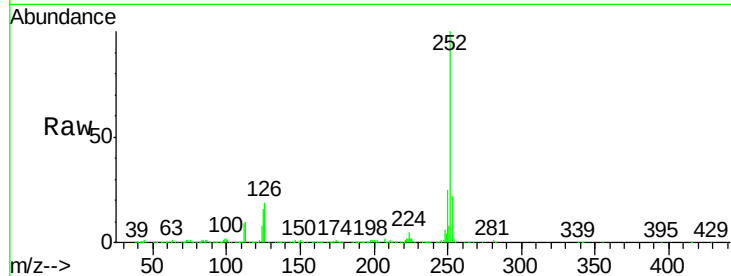
Tgt Ion:252 Resp: 877582

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

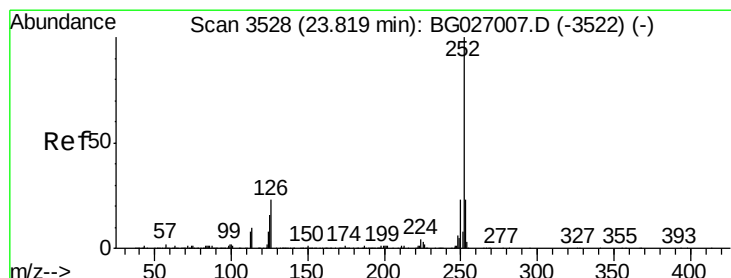
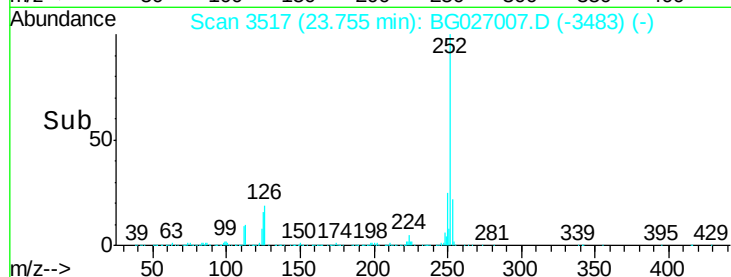
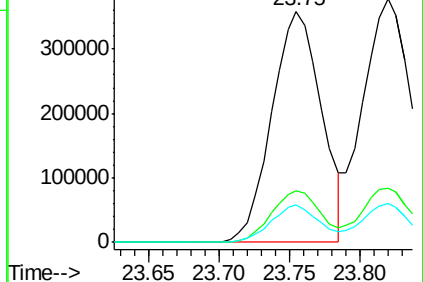
125 16.0 8.0 12.0#



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



#24

Benzo(k)fluoranthene

Concen: 19.55 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

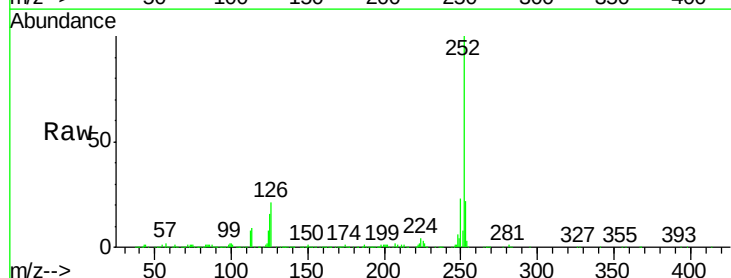
Tgt Ion:252 Resp: 925518

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

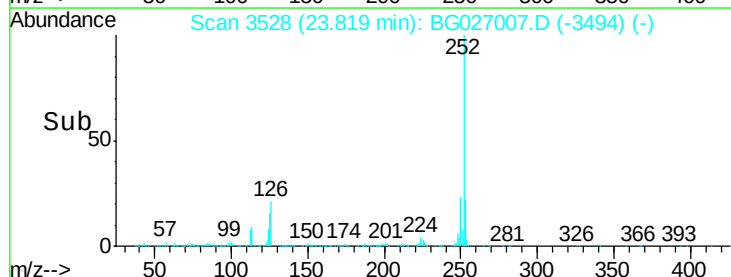
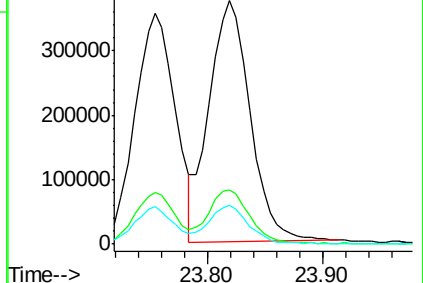
125 15.8 8.1 12.1#

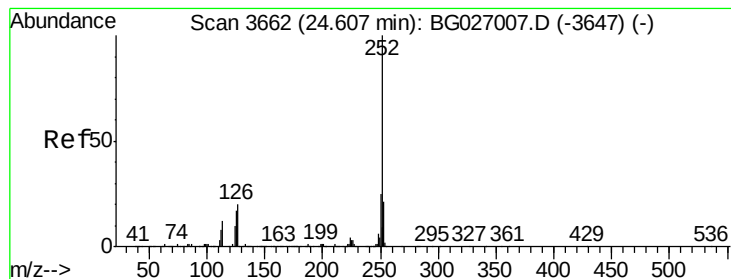


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.49 ng/ul

RT: 24.61 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

Instrument :

BNA_G

ClientSampleId :

SSTD02098

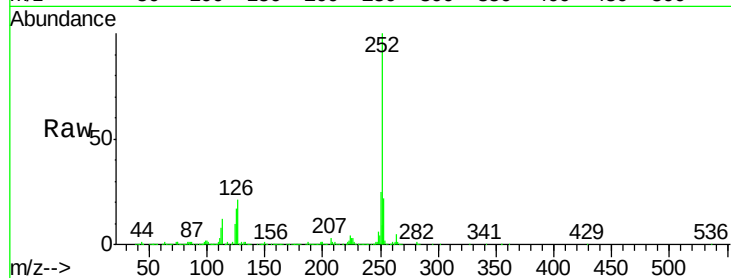
Tgt Ion:252 Resp: 877581

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

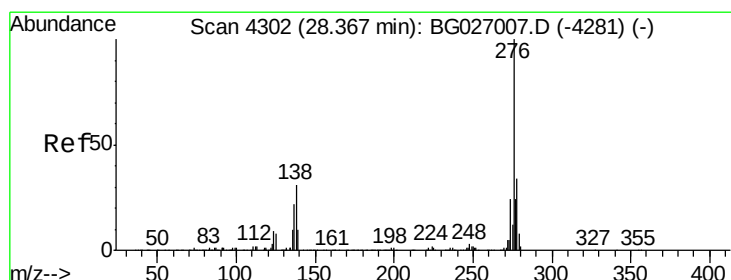
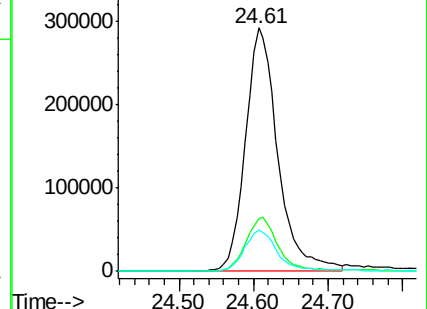
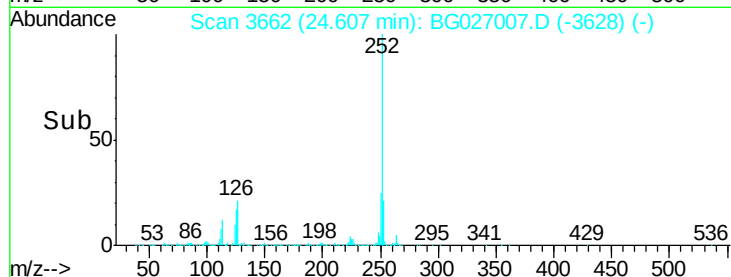
125 16.9 8.2 12.4#



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: 18.80 ng/ul

RT: 28.37 min Scan# 4302

Delta R.T. 0.00 min

Lab File: BG027007.D

Acq: 18 May 2017 16:36

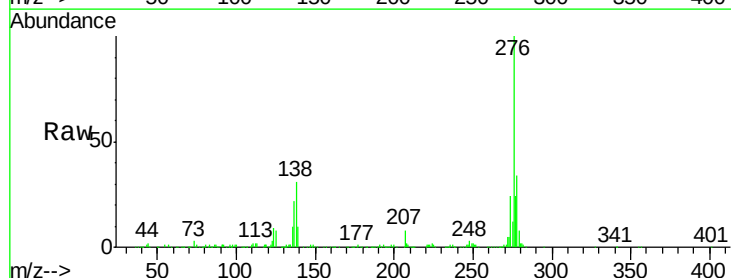
Tgt Ion:276 Resp: 778817

Ion Ratio Lower Upper

276 100

138 30.5 14.4 21.6#

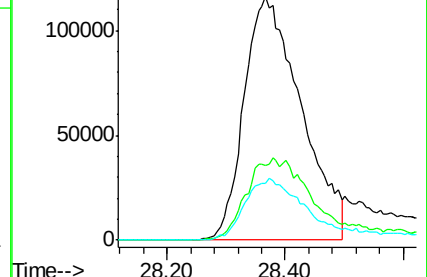
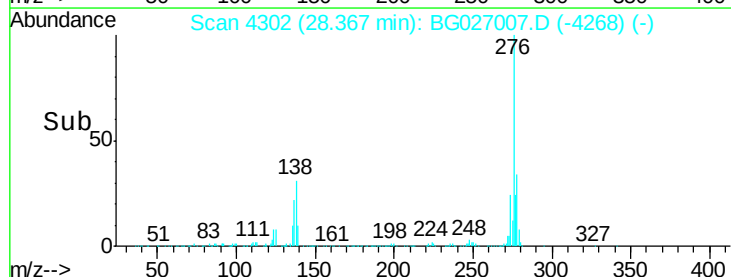
277 23.5 18.0 27.0

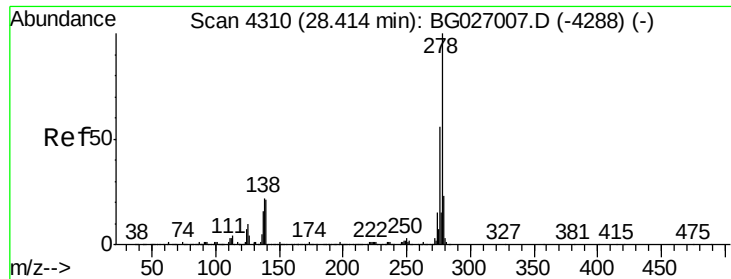


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

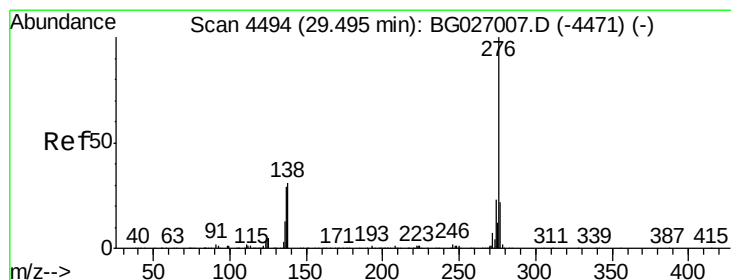
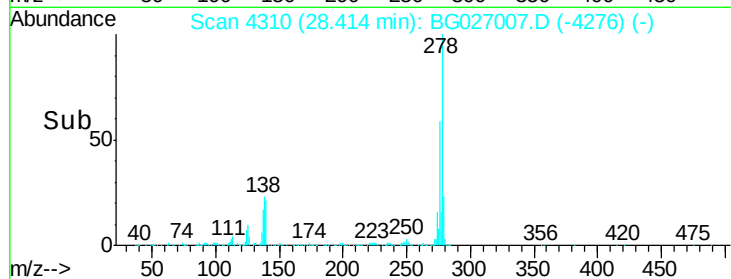
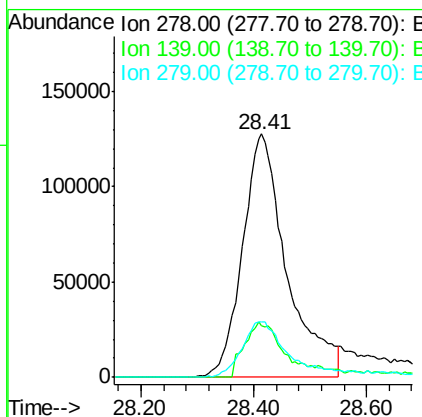
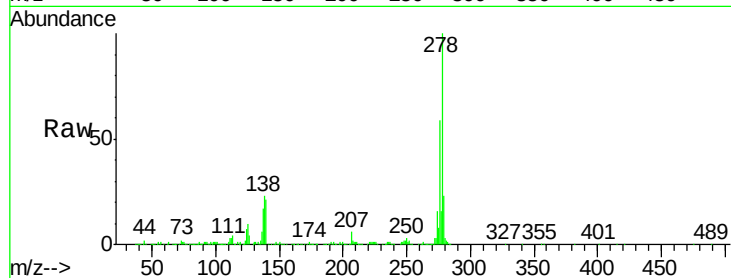




#28
Dibenzo(a,h)anthracene
Concen: 19.46 ng/ul
RT: 28.41 min Scan# 4310
Delta R.T. 0.00 min
Lab File: BG027007.D
Acq: 18 May 2017 16:36

Instrument :
BNA_G
ClientSampleId :
SSTD02098

Tgt Ion:278 Resp: 695572
Ion Ratio Lower Upper
278 100
139 21.2 12.2 18.4#
279 22.6 19.2 28.8



#29
Benzo(g,h,i)perylene
Concen: 16.63 ng/ul
RT: 29.50 min Scan# 4494
Delta R.T. 0.00 min
Lab File: BG027007.D
Acq: 18 May 2017 16:36

Tgt Ion:276 Resp: 547915
Ion Ratio Lower Upper
276 100
138 31.0 15.3 22.9#
277 21.6 19.0 28.4

