

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029132.D
 Acq On : 10 Oct 2017 7:18
 Operator : SJ/JU
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02065

Quant Time: Oct 10 08:10:51 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 06:24:09 2017
 Response via : Initial Calibration

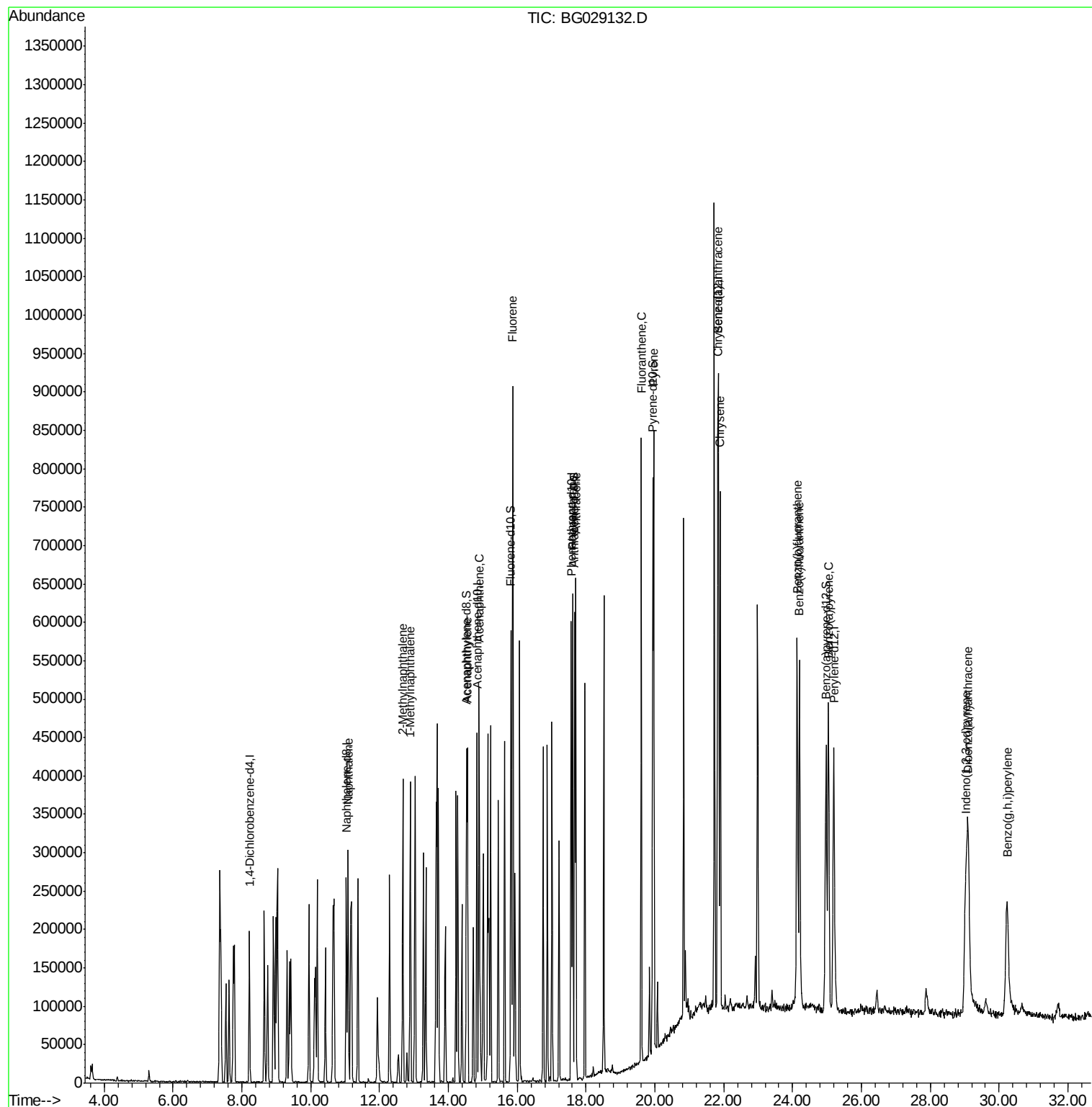
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	54496	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	232797	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	157236	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	366314	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	382627	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	399192	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	326140	19.94	ng/ul	0.00
10) Fluorene-d10	15.81	176	248729	20.97	ng/ul	0.00
14) Anthracene-d10	17.67	188	370670	20.89	ng/ul	0.00
18) Pyrene-d10	19.93	212	424861	21.70	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.97	264	401688	21.01	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.09	128	252356	20.823	ng/ul	99
4) 2-Methylnaphthalene	12.67	142	188849	20.531	ng/ul	98
5) 1-Methylnaphthalene	12.89	142	181221	20.643	ng/ul	96
8) Acenaphthylene	14.55	152	308319	19.583	ng/ul	99
9) Acenaphthene	14.89	153	218137	20.358	ng/ul	96
11) Fluorene	15.87	166	253698	20.230	ng/ul	97
13) Phenanthrene	17.61	178	406355	20.797	ng/ul	99
15) Anthracene	17.70	178	422259	21.124	ng/ul	99
16) Fluoranthene	19.60	202	487516	21.285	ng/ul#	90
19) Pyrene	19.96	202	496072	20.799	ng/ul#	91
20) Benzo(a)anthracene	21.82	228	495860	22.005	ng/ul	98
21) Chrysene	21.89	228	440982	21.372	ng/ul	98
23) Benzo(b)fluoranthene	24.13	252	499074	20.898	ng/ul#	96
24) Benzo(k)fluoranthene	24.20	252	467093	20.040	ng/ul#	97
26) Benzo(a)pyrene	25.04	252	480851	20.730	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	29.03	276	524656	19.929	ng/ul#	94
28) Dibenzo(a,h)anthracene	29.10	278	443832	20.362	ng/ul#	95
29) Benzo(g,h,i)perylene	30.23	276	393397	18.122	ng/ul#	94

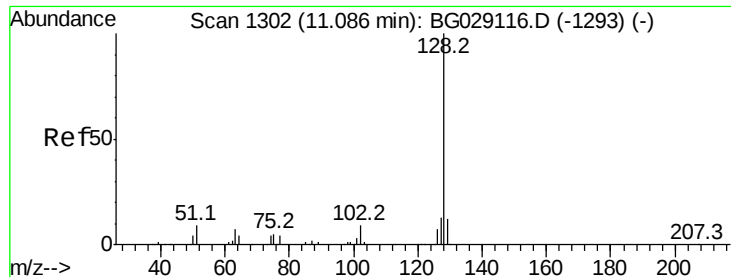
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.823 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

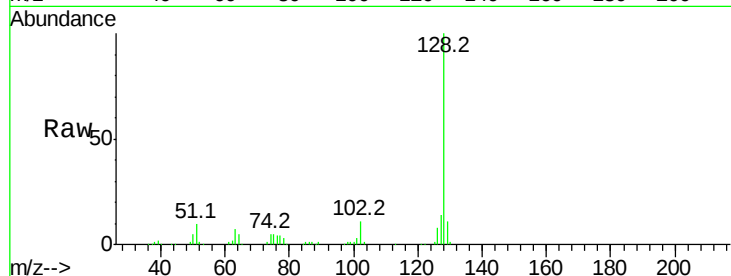
Tot Ion:128 Resp: 252356

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

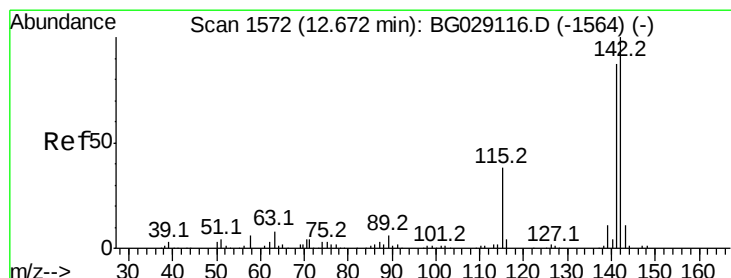
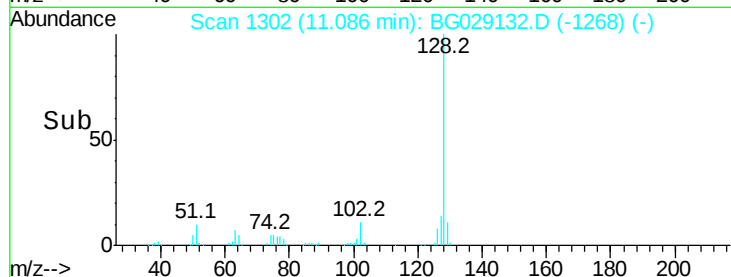
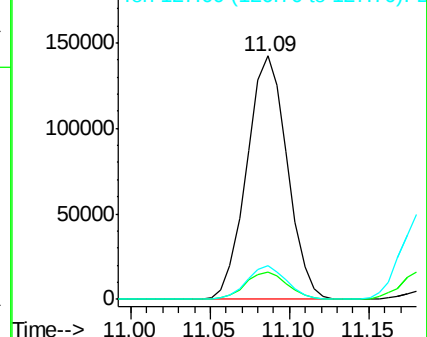
127 14.0 10.6 16.0



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: 20.531 ng/ul

RT: 12.67 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BG029132.D

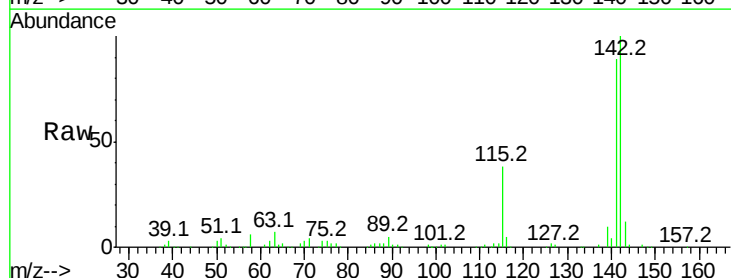
Acq: 10 Oct 2017 7:18

Tgt Ion:142 Resp: 188849

Ion Ratio Lower Upper

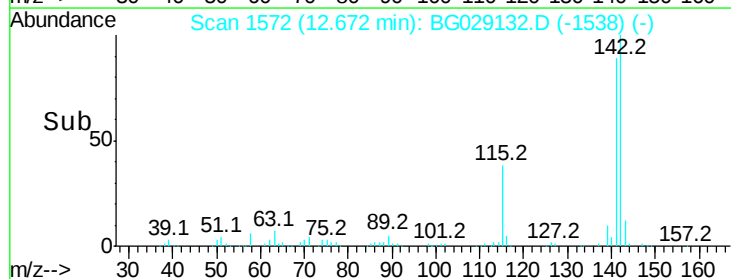
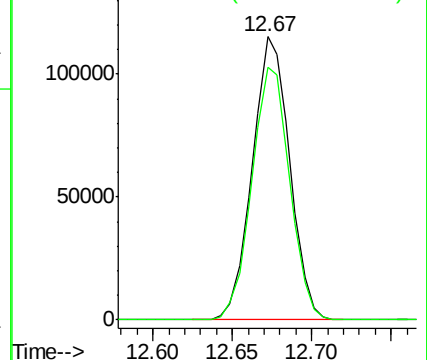
142 100

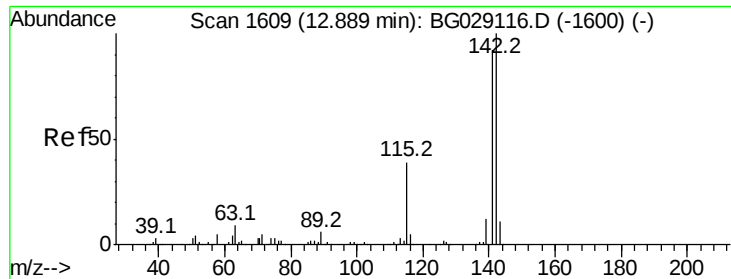
141 89.2 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 20.643 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

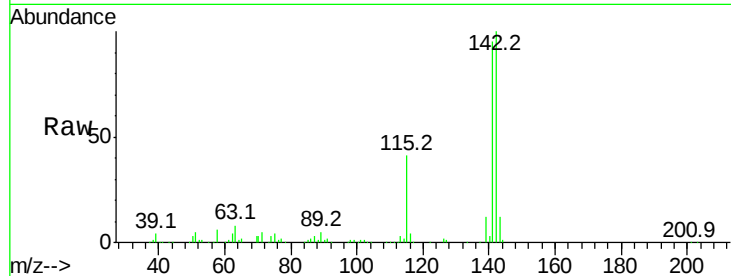
Tot Ion:142 Resp: 181221

Ion Ratio Lower Upper

142 100

141 94.9 79.3 118.9

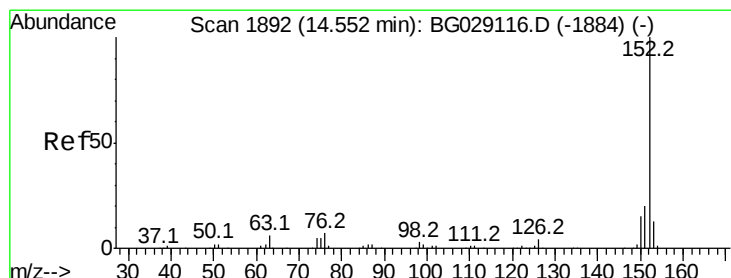
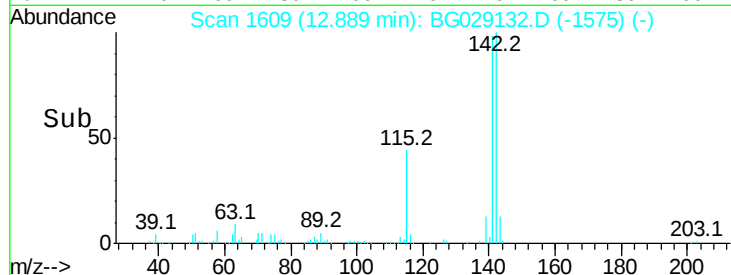
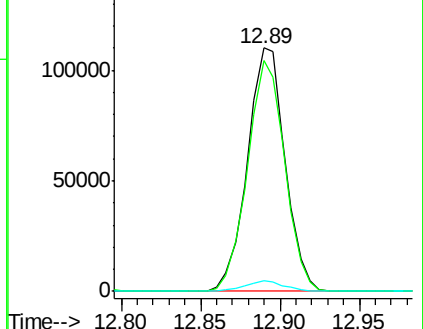
116 4.3 4.2 6.2



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



#8

Acenaphthylene

Concen: 19.583 ng/ul

RT: 14.55 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

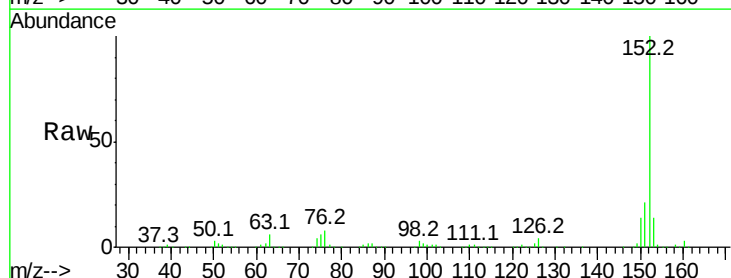
Tgt Ion:152 Resp: 308319

Ion Ratio Lower Upper

152 100

151 21.0 16.7 25.1

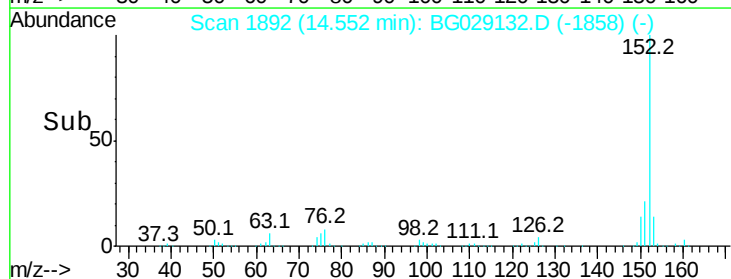
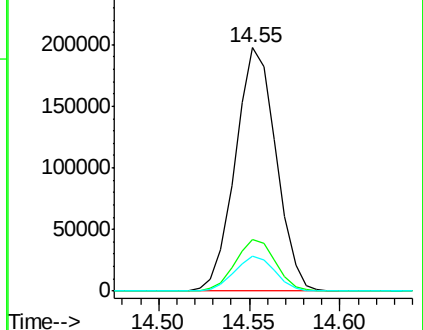
153 14.2 10.2 15.4

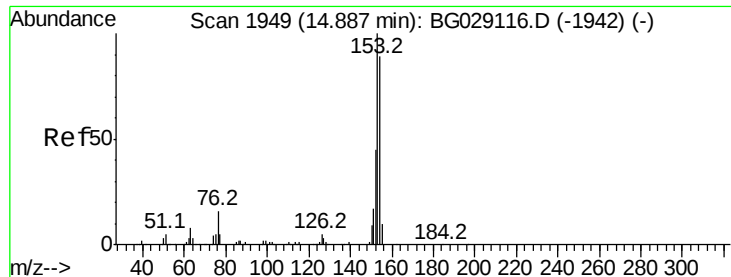


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.358 ng/ul

RT: 14.89 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

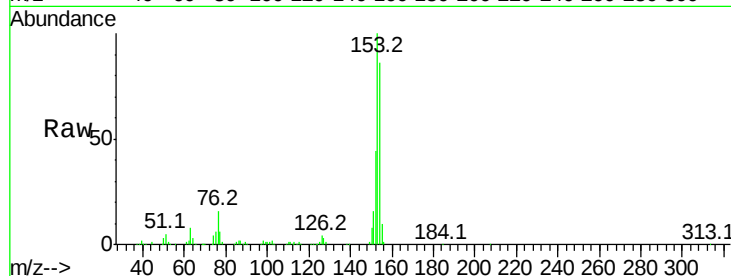
Tot Ion:153 Resp: 218137

Ion Ratio Lower Upper

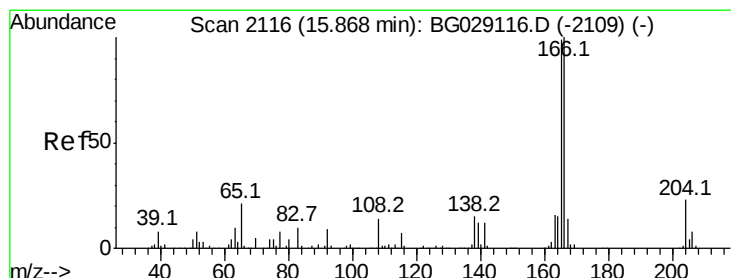
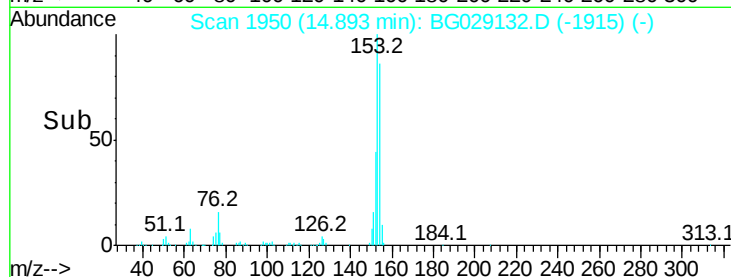
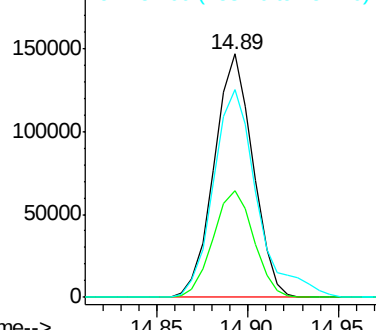
153 100

152 43.7 39.0 58.6

154 85.5 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: 20.230 ng/ul

RT: 15.87 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

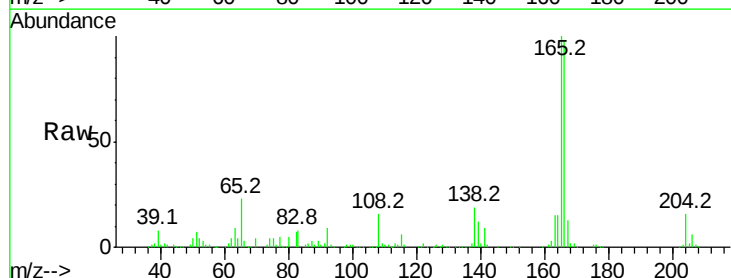
Tgt Ion:166 Resp: 253698

Ion Ratio Lower Upper

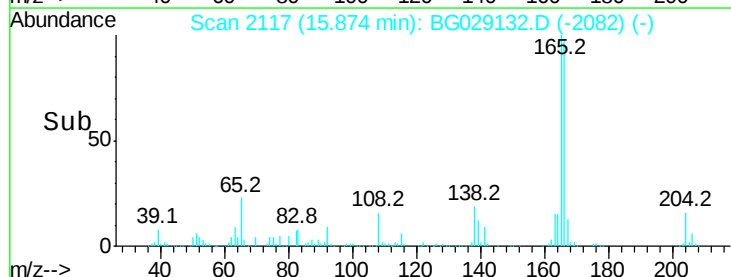
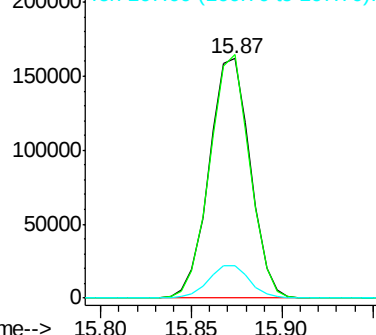
166 100

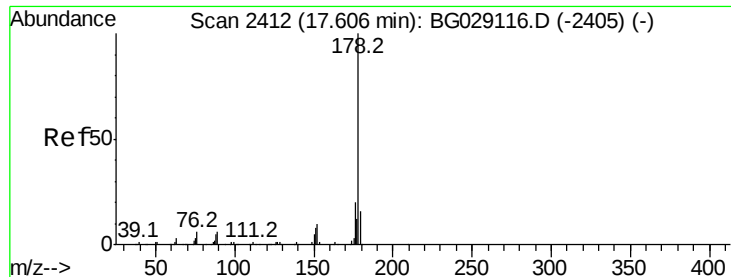
165 101.7 83.8 125.8

167 13.3 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: 20.797 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

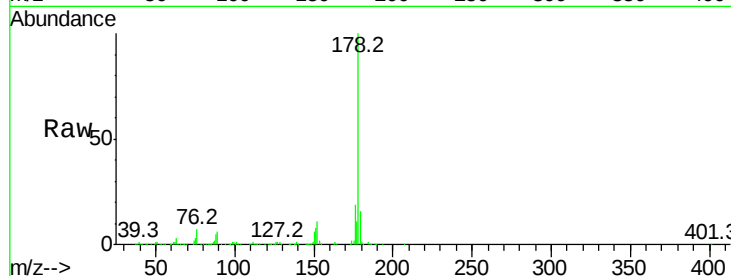
Tot Ion:178 Resp: 406355

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

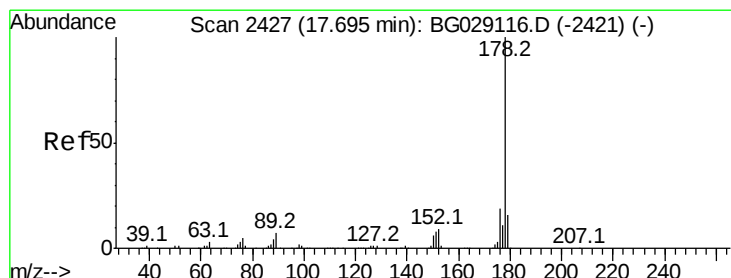
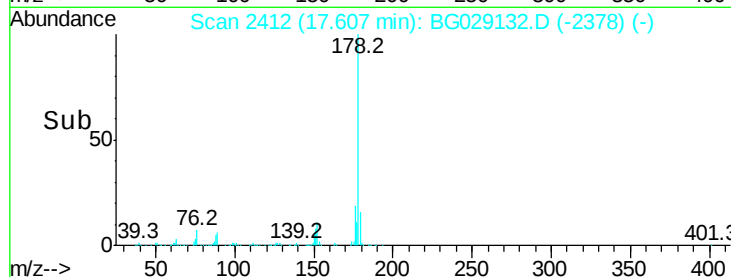
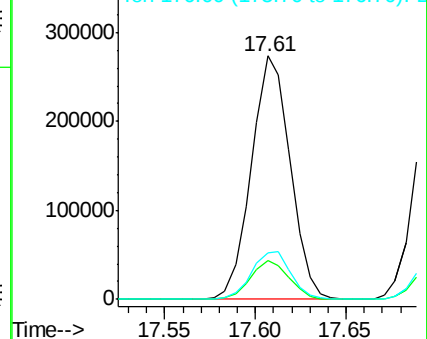
176 19.3 15.1 22.7



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: 21.124 ng/ul

RT: 17.70 min Scan# 2428

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

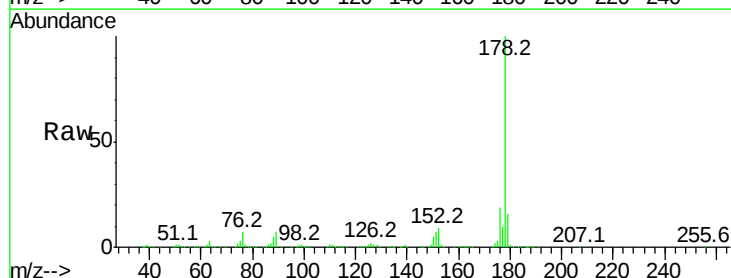
Tgt Ion:178 Resp: 422259

Ion Ratio Lower Upper

178 100

179 15.9 11.8 17.8

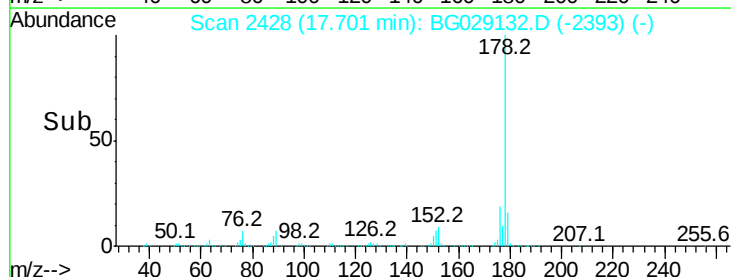
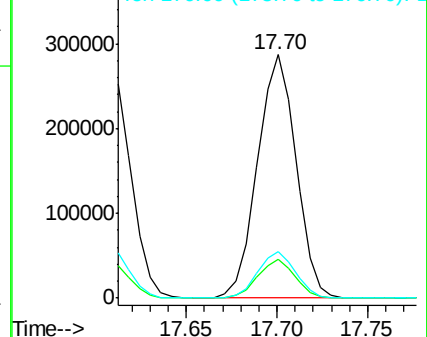
176 19.0 15.2 22.8

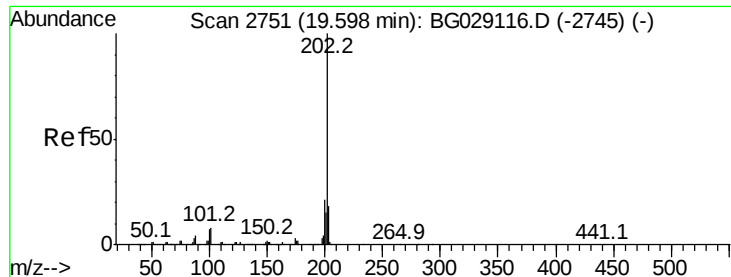


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 21.285 ng/ul

RT: 19.60 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

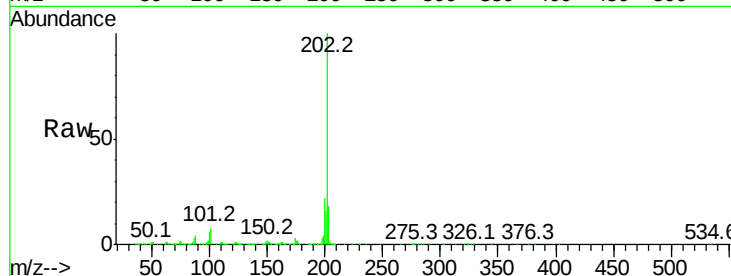
Tot Ion:202 Resp: 487516

Ion Ratio Lower Upper

202 100

101 7.6 9.9 14.9#

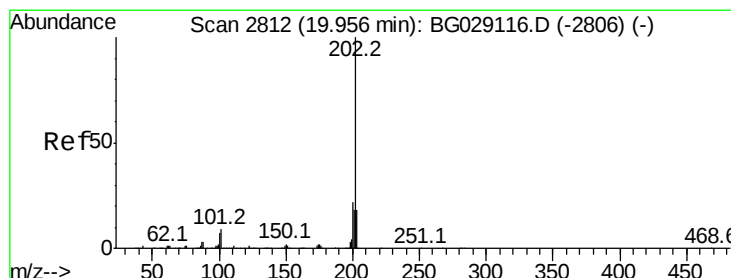
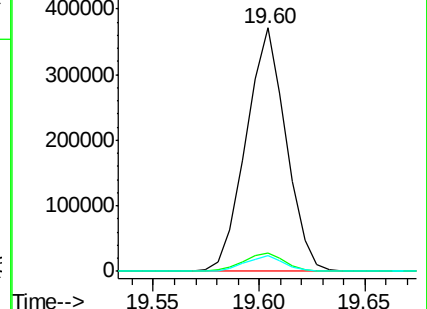
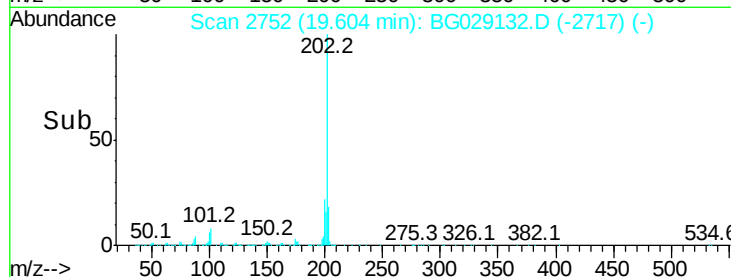
100 6.4 7.4 11.0#



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: 20.799 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

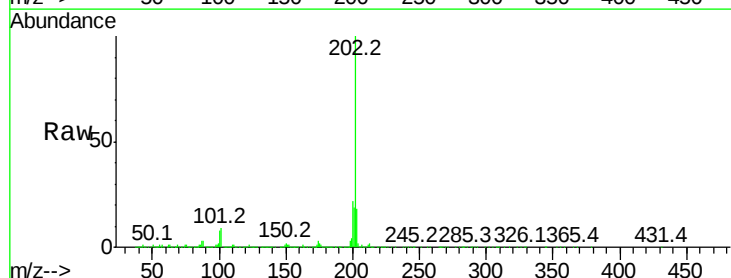
Tgt Ion:202 Resp: 496072

Ion Ratio Lower Upper

202 100

101 9.1 11.0 16.4#

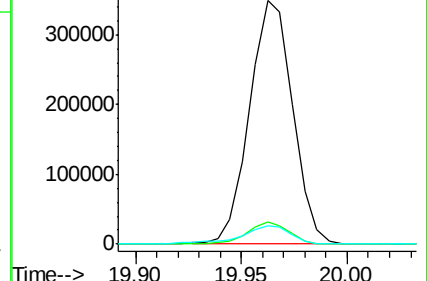
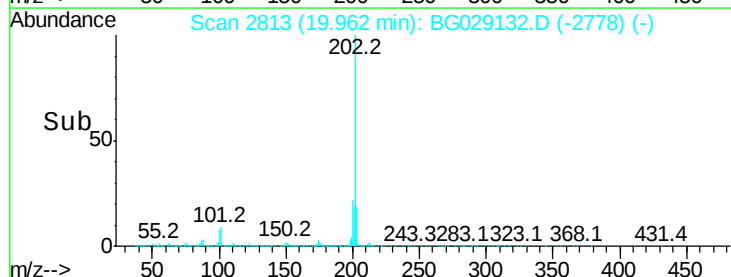
100 7.7 8.1 12.1#

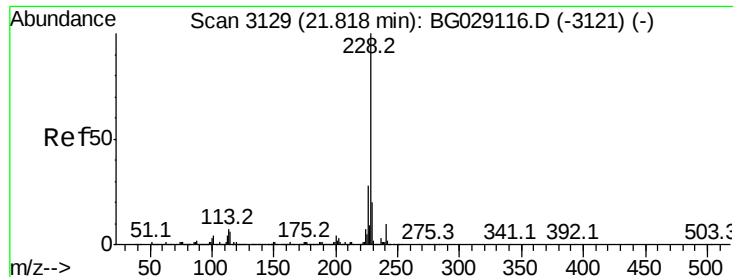


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

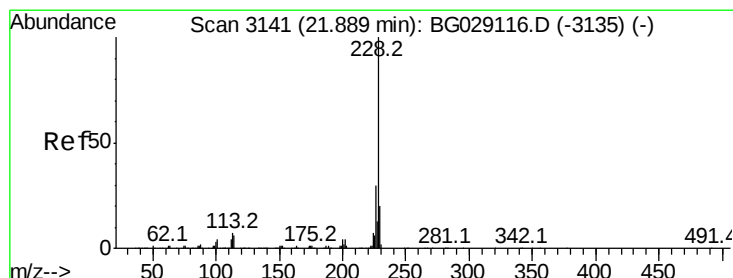
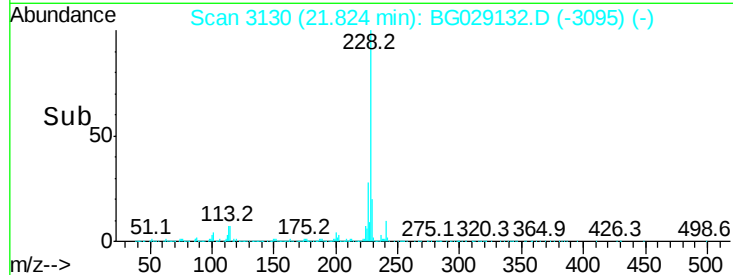
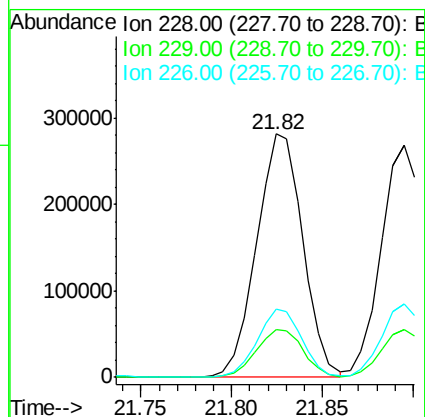
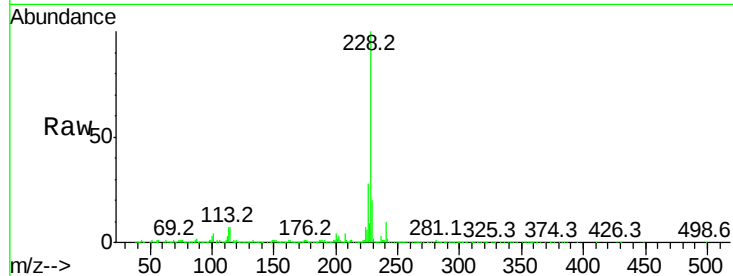




#20
Benzo(a)anthracene
Concen: 22.005 ng/ul
RT: 21.82 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BG029132.D
Acq: 10 Oct 2017 7:18

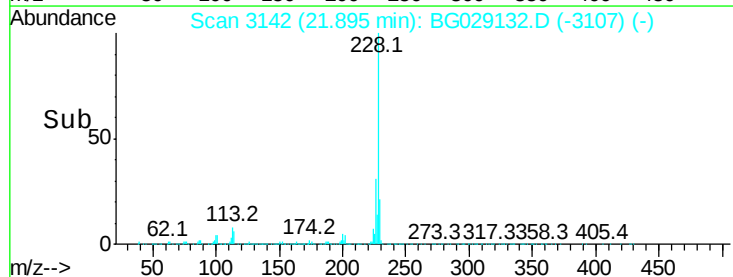
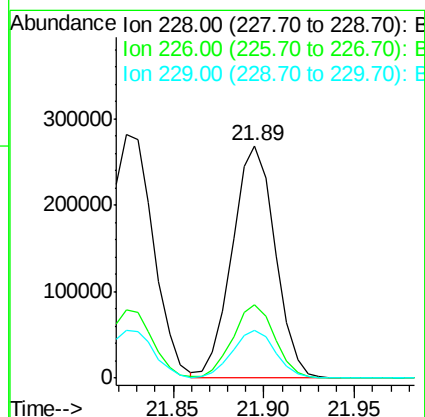
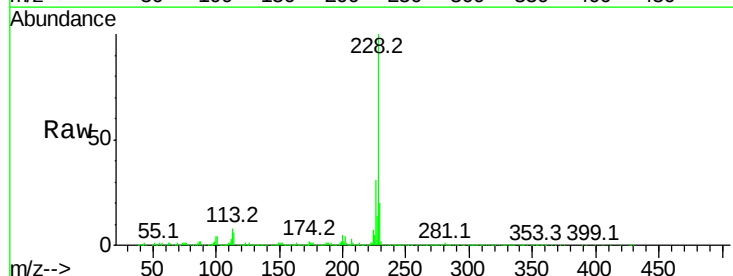
Instrument :
BNA_G
ClientSampleId :
SSTD02065

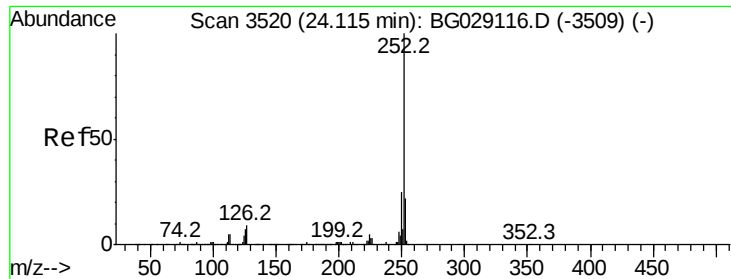
Tot Ion:228 Resp: 495860
Ion Ratio Lower Upper
228 100
229 19.7 15.7 23.5
226 27.9 21.1 31.7



#21
Chrysene
Concen: 21.372 ng/ul
RT: 21.89 min Scan# 3142
Delta R.T. 0.01 min
Lab File: BG029132.D
Acq: 10 Oct 2017 7:18

Tgt Ion:228 Resp: 440982
Ion Ratio Lower Upper
228 100
226 31.5 24.5 36.7
229 20.5 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.898 ng/ul

RT: 24.13 min Scan# 3522

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampled :

SSTD02065

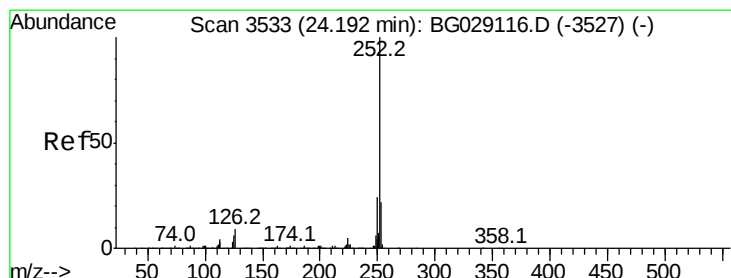
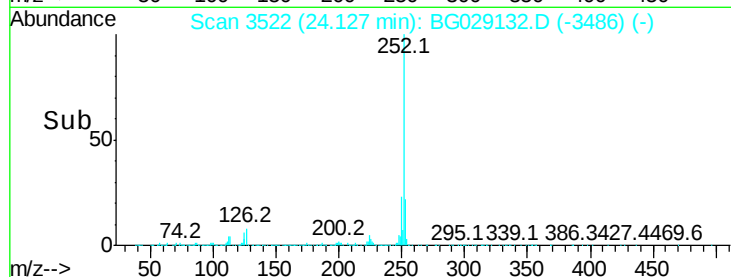
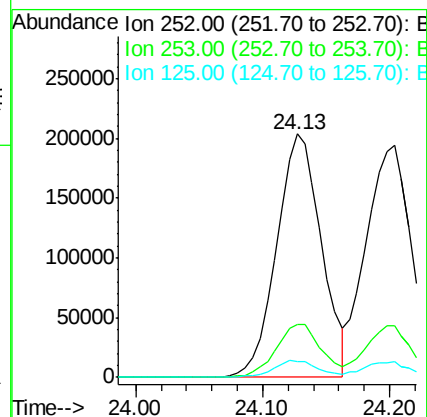
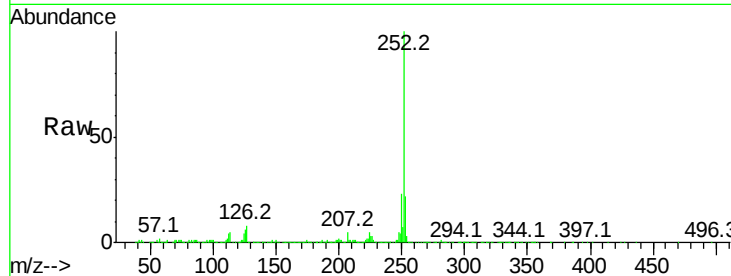
Tot Ion:252 Resp: 499074

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 6.4 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 20.040 ng/ul

RT: 24.20 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

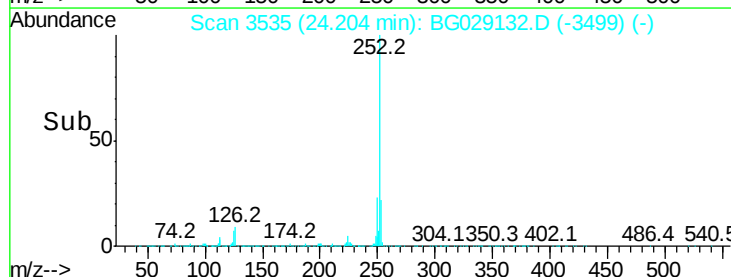
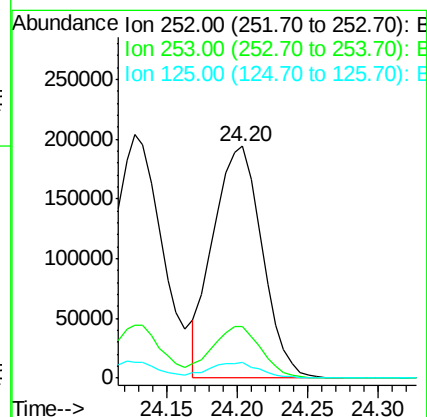
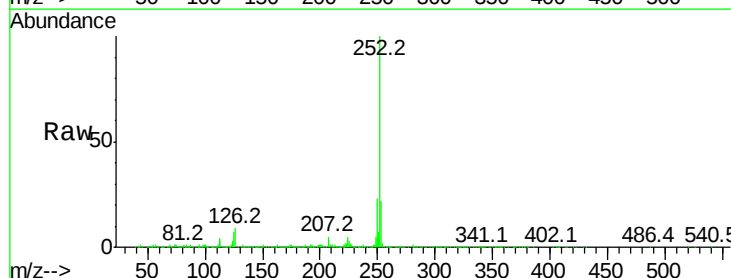
Tgt Ion:252 Resp: 467093

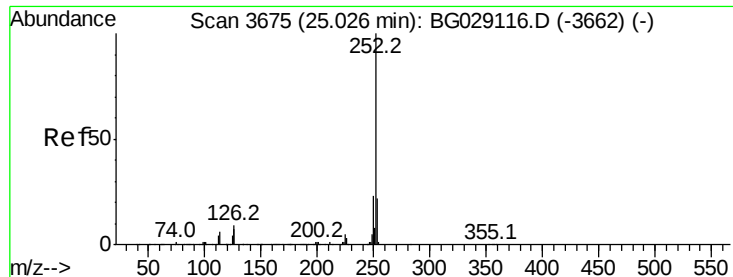
Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 6.7 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 20.730 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. 0.01 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

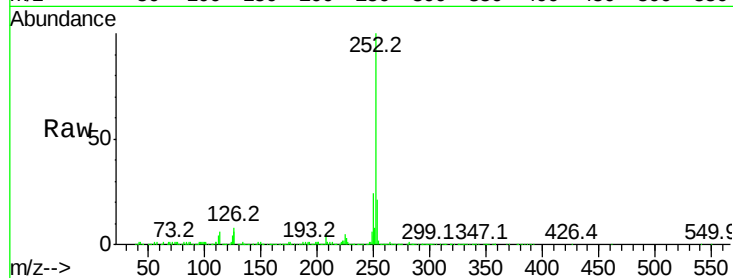
Tot Ion:252 Resp: 480851

Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

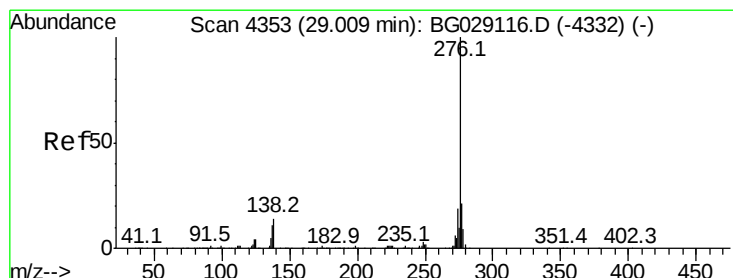
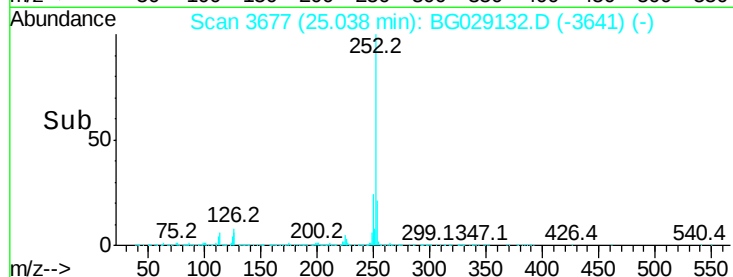
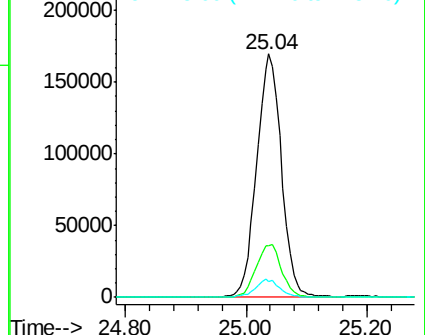
125 6.2 8.2 12.4#



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: 19.929 ng/ul

RT: 29.03 min Scan# 4357

Delta R.T. 0.02 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

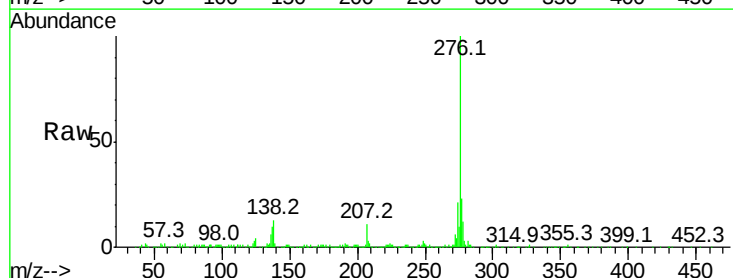
Tgt Ion:276 Resp: 524656

Ion Ratio Lower Upper

276 100

138 13.4 14.4 21.6#

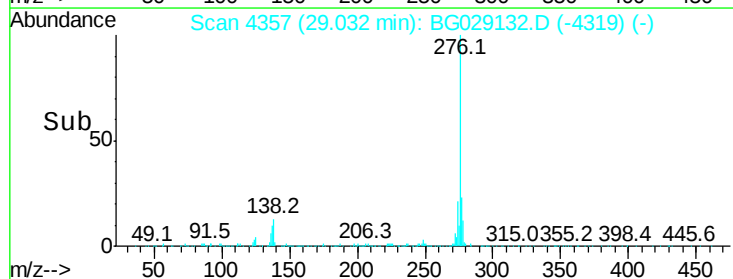
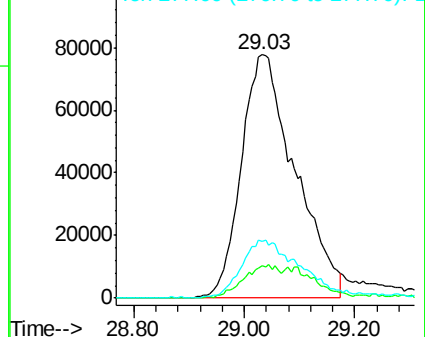
277 23.5 18.0 27.0

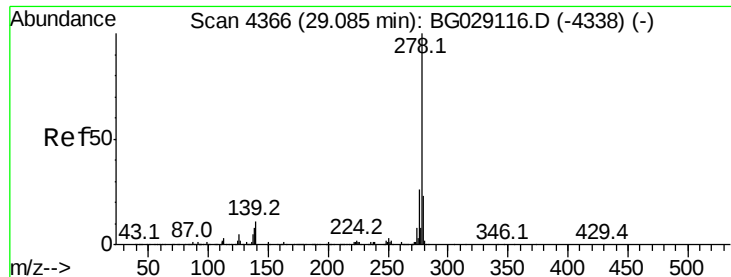


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.362 ng/ul

RT: 29.10 min Scan# 4369

Delta R.T. 0.02 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Instrument :

BNA_G

ClientSampleId :

SSTD02065

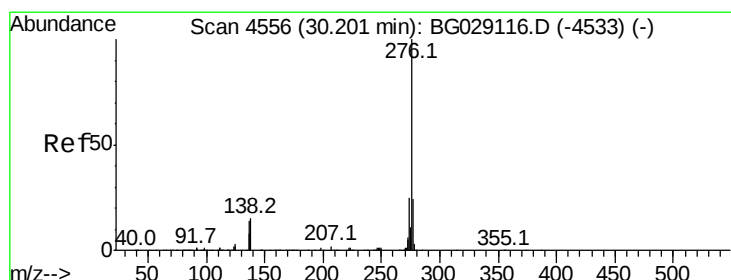
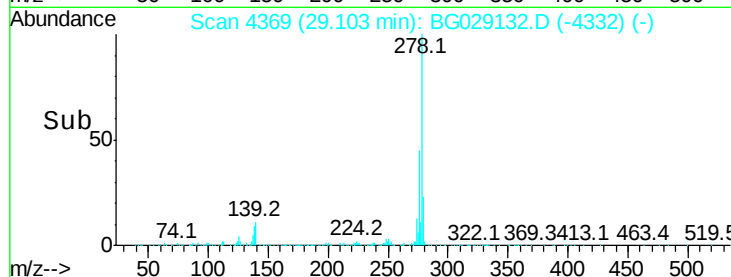
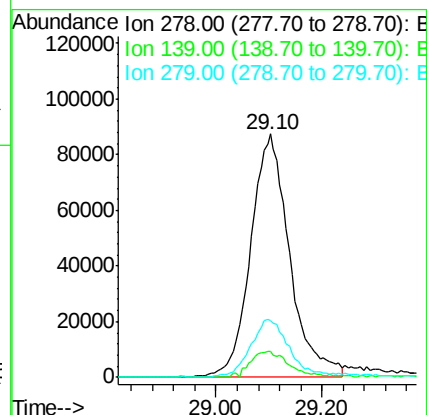
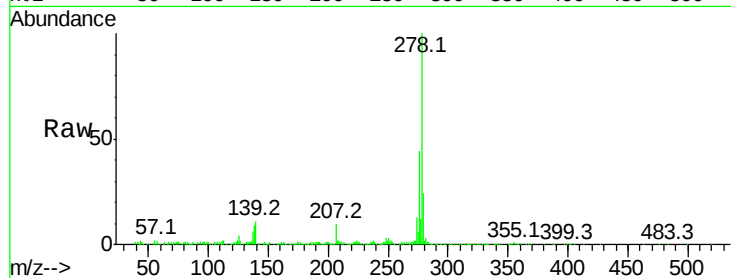
Tot Ion:278 Resp: 443832

Ion Ratio Lower Upper

278 100

139 10.9 12.2 18.4#

279 23.5 19.2 28.8



#29

Benzo(g,h,i)perylene

Concen: 18.122 ng/ul

RT: 30.23 min Scan# 4561

Delta R.T. 0.03 min

Lab File: BG029132.D

Acq: 10 Oct 2017 7:18

Tgt Ion:276 Resp: 393397

Ion Ratio Lower Upper

276 100

138 14.2 15.3 22.9#

277 23.0 19.0 28.4

