

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111617\
 Data File : BG031062.D
 Acq On : 17 Nov 2017 2:15
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD02062

Quant Time: Nov 17 03:59:00 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 17 03:50:04 2017
 Response via : Initial Calibration

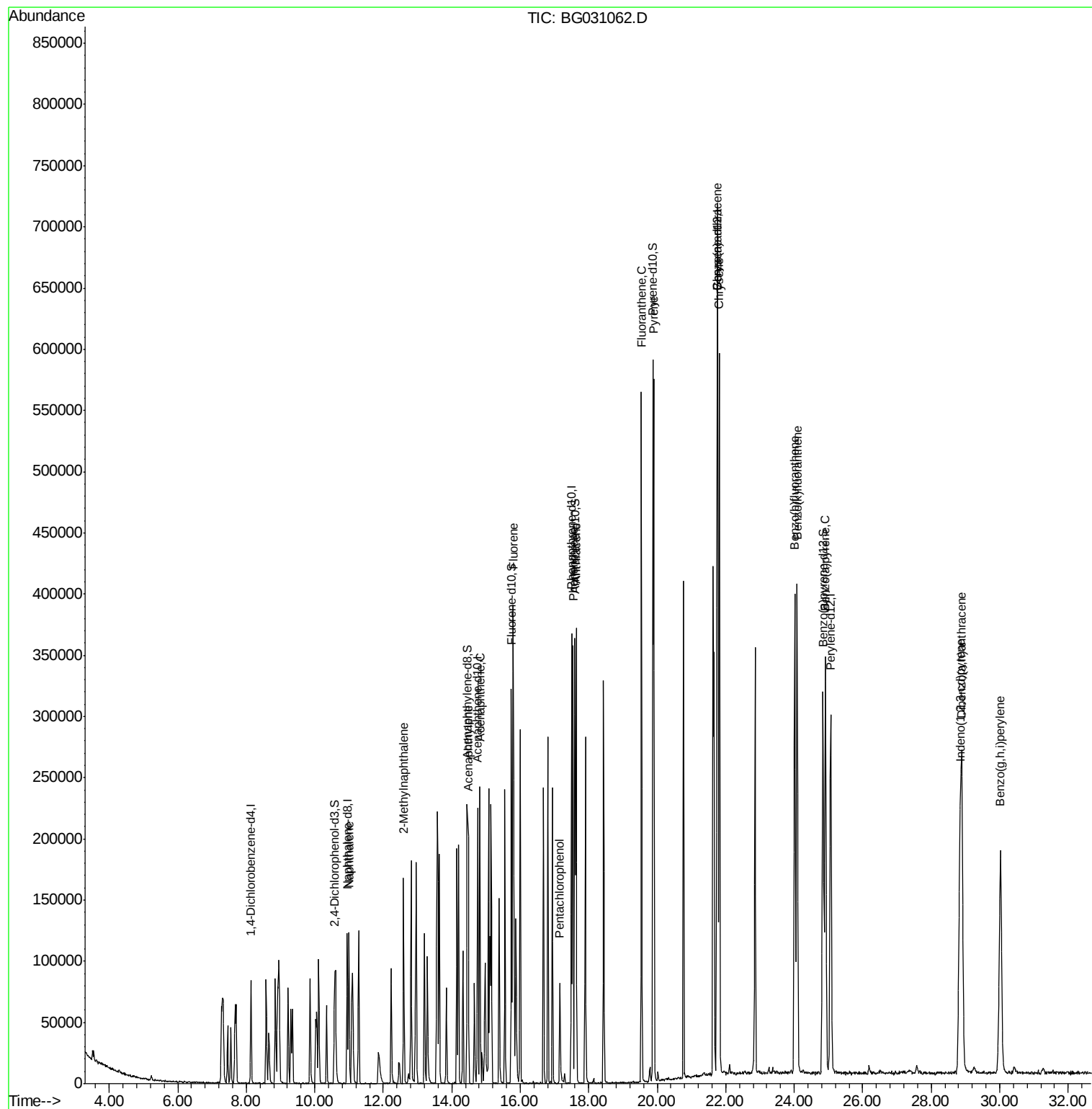
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	26182	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	112299	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	84621	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	242486	20.00	ng/ul	0.00
18) Chrysene-d12	21.77	240	361392	20.00	ng/ul	0.00
23) Perylene-d12	25.06	264	368153	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	42264	19.95	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	176915	20.10	ng/ul	0.00
10) Fluorene-d10	15.74	176	141569	20.03	ng/ul	0.00
15) Anthracene-d10	17.59	188	239710	19.75	ng/ul	0.00
19) Pyrene-d10	19.87	212	342749	20.76	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.84	264	365272	20.05	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	11.00	128	108249	20.14	ng/ul	99
5) 2-Methylnaphthalene	12.60	142	87773	19.79	ng/ul	99
8) Acenaphthylene	14.48	152	155877	20.22	ng/ul	98
9) Acenaphthene	14.82	153	110782	19.92	ng/ul	96
11) Fluorene	15.80	166	138445	19.65	ng/ul	99
13) Pentachlorophenol	17.16	266	23727	16.77	ng/uL	87
14) Phenanthrene	17.54	178	257626	19.80	ng/ul	98
16) Anthracene	17.63	178	268070	20.29	ng/ul	98
17) Fluoranthene	19.54	202	390383	21.56	ng/ul#	81
20) Pyrene	19.90	202	399137	20.81	ng/ul#	80
21) Benzo(a)anthracene	21.75	228	451948	20.53	ng/ul	100
22) Chrysene	21.81	228	426252	20.35	ng/ul	97
24) Benzo(b)fluoranthene	24.02	252	438361	19.71	ng/ul#	93
25) Benzo(k)fluoranthene	24.08	252	443010	20.22	ng/ul#	94
27) Benzo(a)pyrene	24.91	252	429098	20.13	ng/ul#	92
28) Indeno(1,2,3-cd)pyrene	28.84	276	486165	20.01	ng/ul#	87
29) Dibenzo(a,h)anthracene	28.90	278	402781	20.02	ng/ul#	88
30) Benzo(g,h,i)perylene	30.02	276	402340	19.88	ng/ul#	85

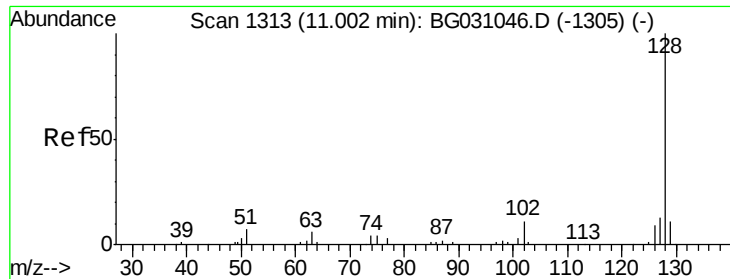
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 20.14 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

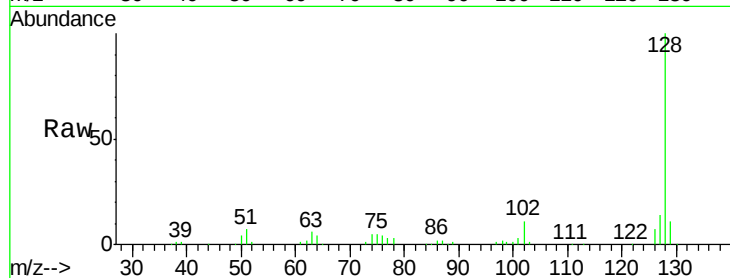
Tot Ion:128 Resp: 108249

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

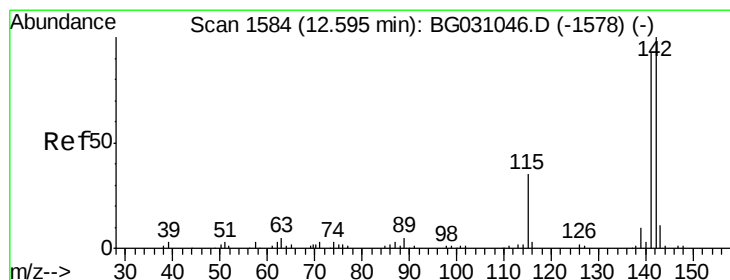
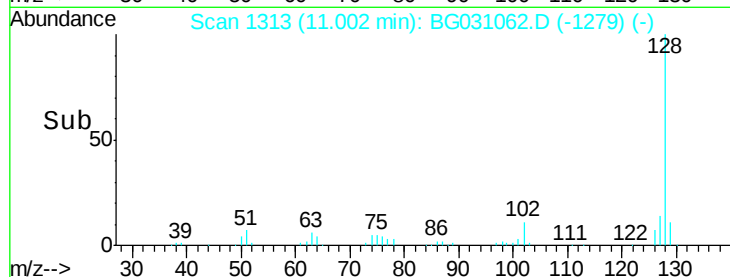
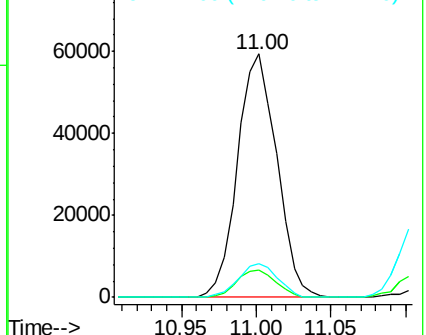
127 13.8 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 19.79 ng/ul

RT: 12.60 min Scan# 1585

Delta R.T. 0.01 min

Lab File: BG031062.D

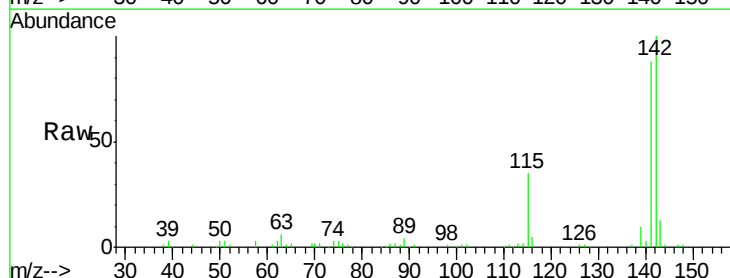
Acq: 17 Nov 2017 2:15

Tgt Ion:142 Resp: 87773

Ion Ratio Lower Upper

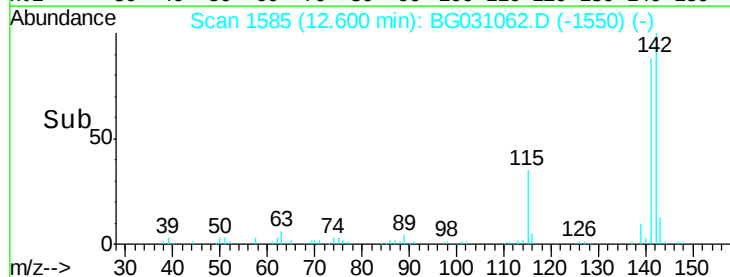
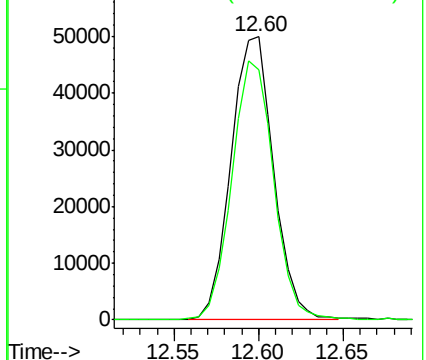
142 100

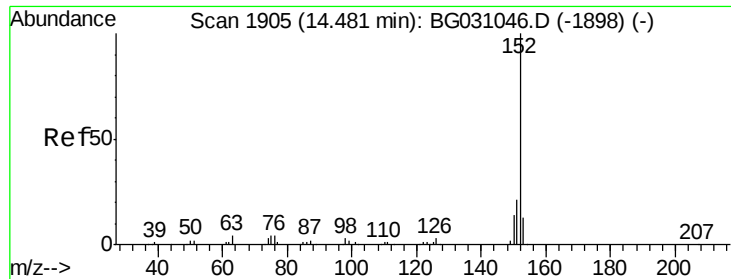
141 88.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 20.22 ng/ul

RT: 14.48 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

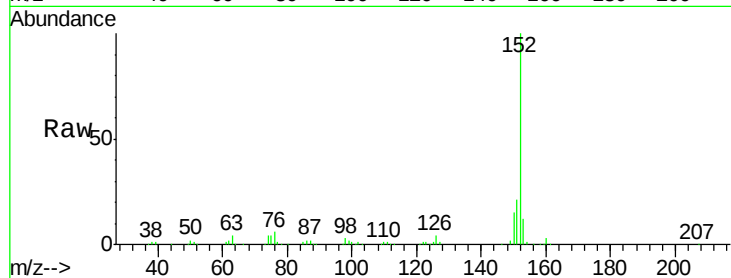
Tot Ion:152 Resp: 155877

Ion Ratio Lower Upper

152 100

151 20.8 17.5 26.3

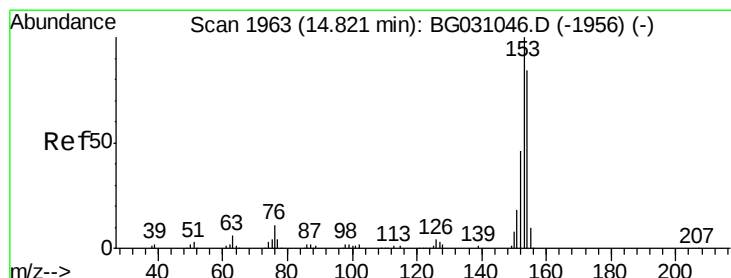
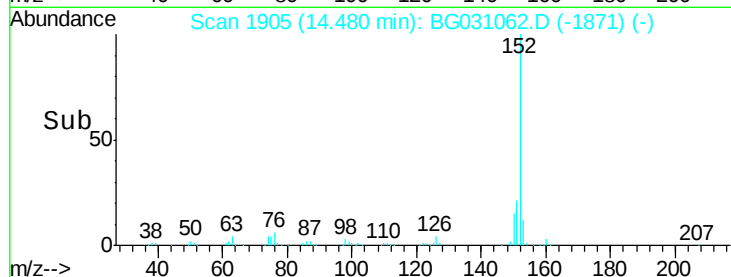
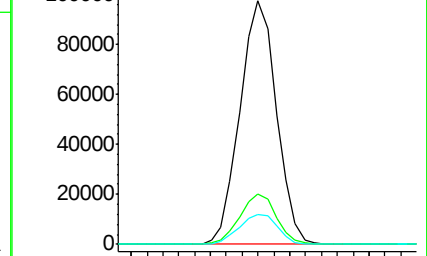
153 12.4 10.6 16.0



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: 19.92 ng/ul

RT: 14.82 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

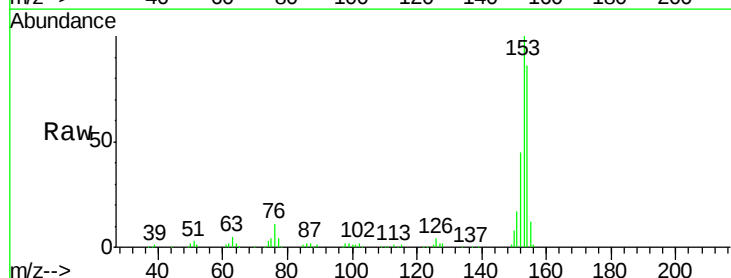
Tgt Ion:153 Resp: 110782

Ion Ratio Lower Upper

153 100

152 44.8 37.9 56.9

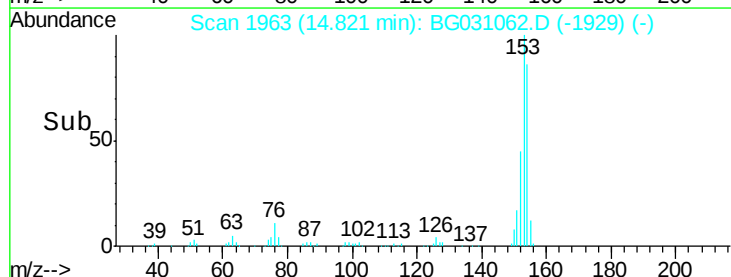
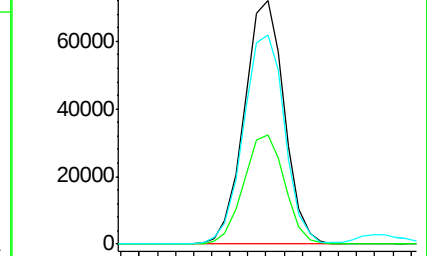
154 86.0 71.6 107.4

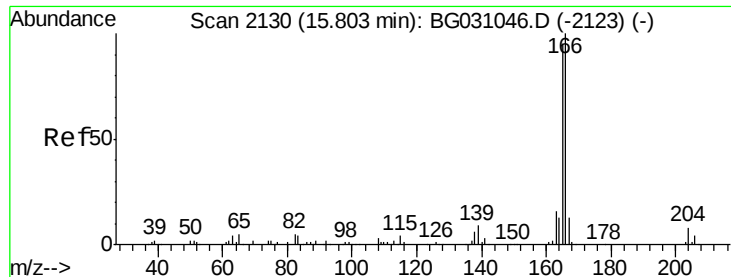


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 19.65 ng/ul

RT: 15.80 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

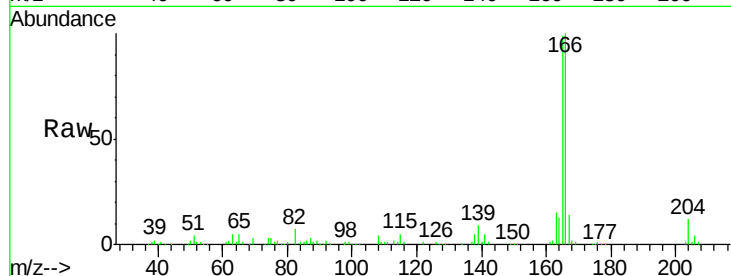
Tot Ion:166 Resp: 138445

Ion Ratio Lower Upper

166 100

165 98.5 80.0 120.0

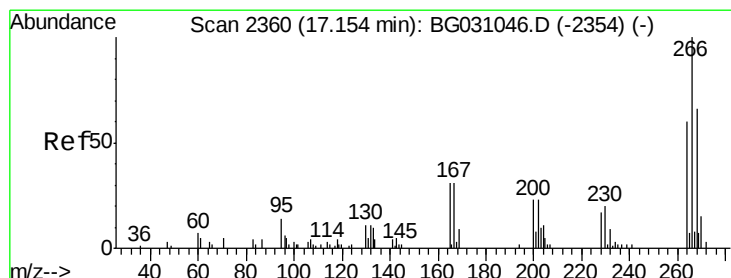
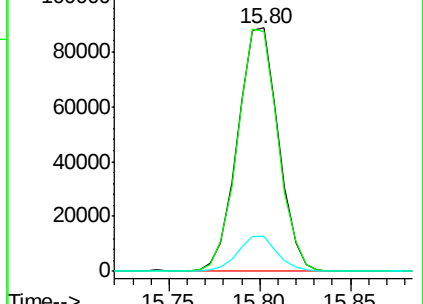
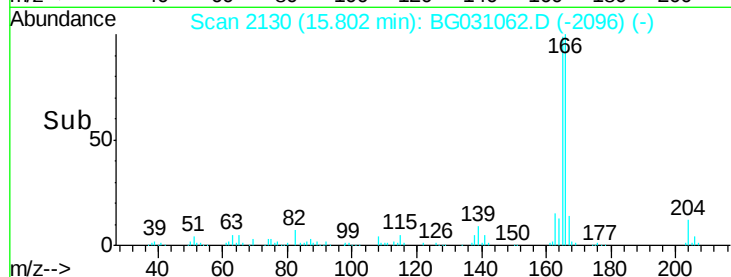
167 14.2 11.6 17.4



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: 16.77 ng/uL

RT: 17.16 min Scan# 2361

Delta R.T. 0.01 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

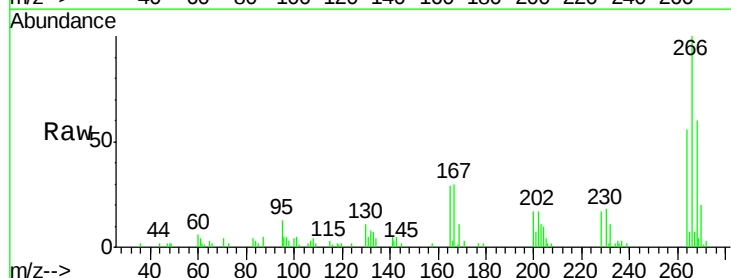
Tgt Ion:266 Resp: 23727

Ion Ratio Lower Upper

266 100

264 52.7 52.0 78.0

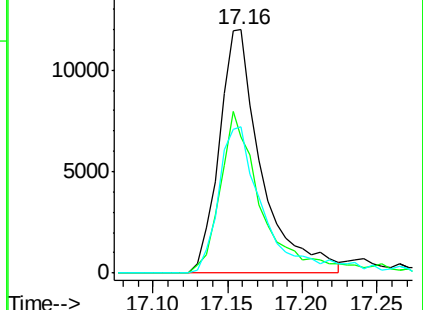
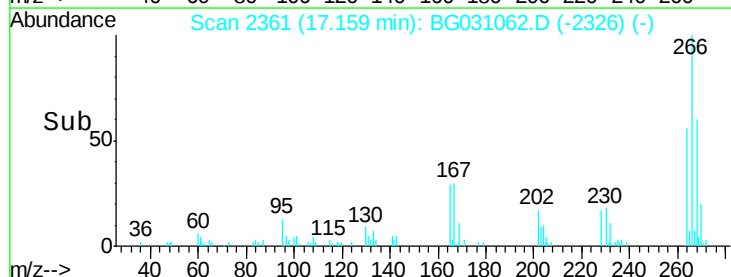
268 56.7 51.2 76.8

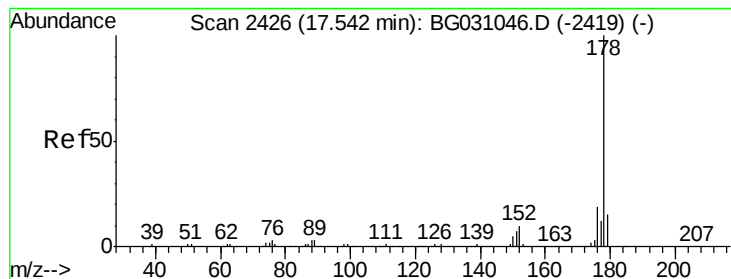


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 19.80 ng/ul

RT: 17.54 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

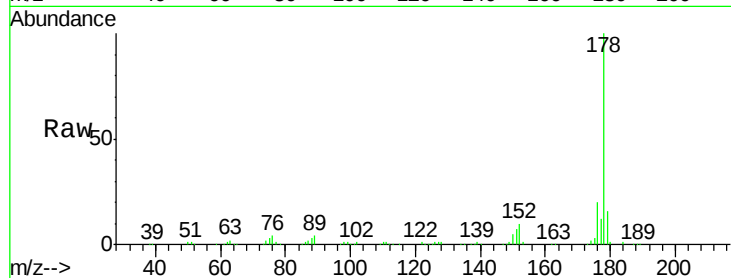
Tot Ion:178 Resp: 257626

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

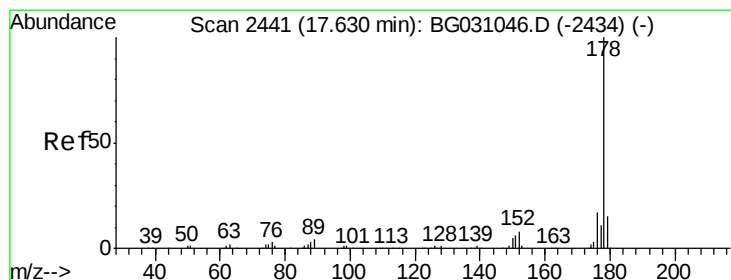
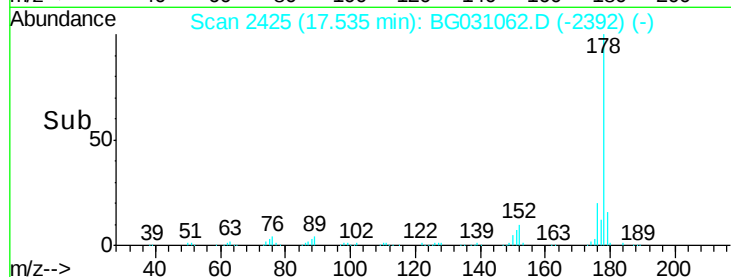
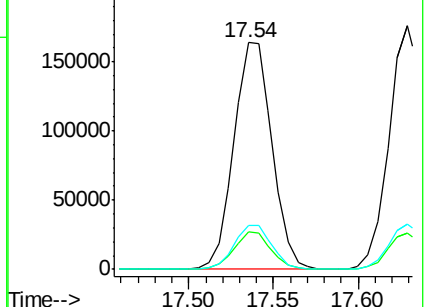
176 19.6 16.4 24.6



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: 20.29 ng/ul

RT: 17.63 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

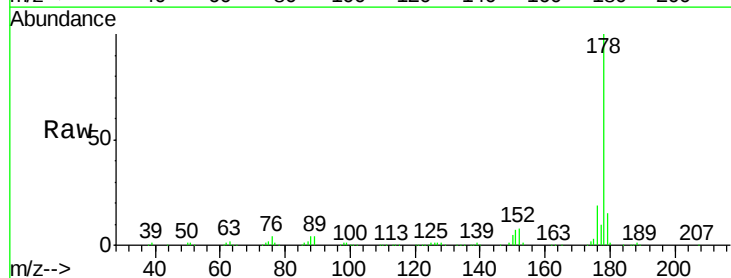
Tgt Ion:178 Resp: 268070

Ion Ratio Lower Upper

178 100

179 15.0 12.7 19.1

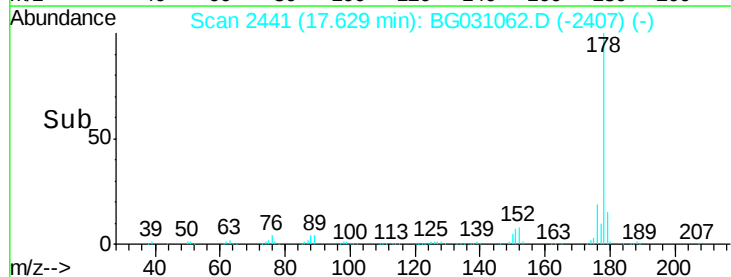
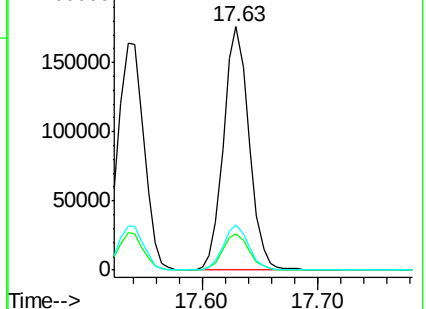
176 18.8 15.8 23.8

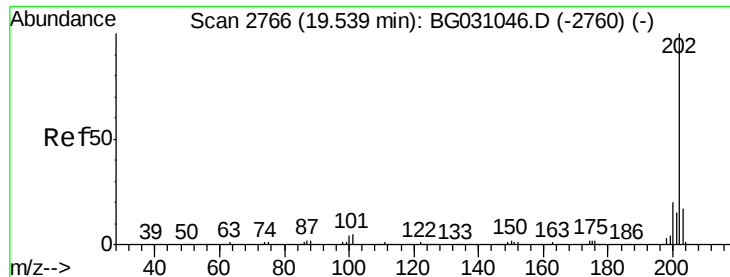


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

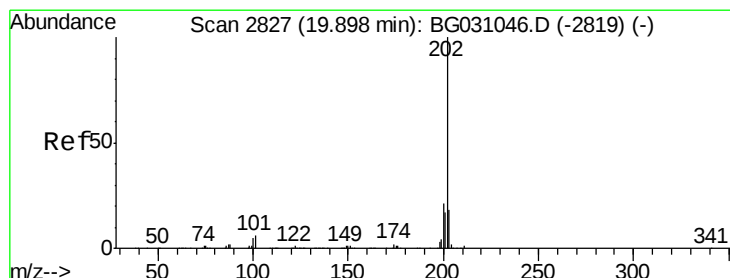
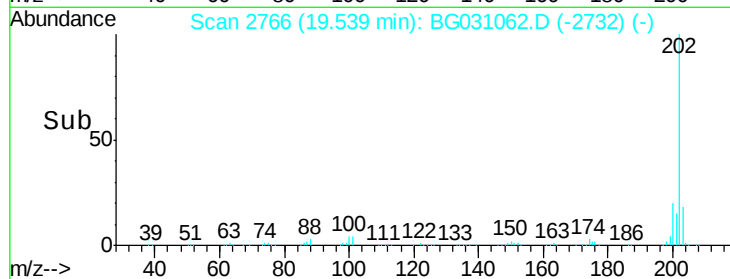
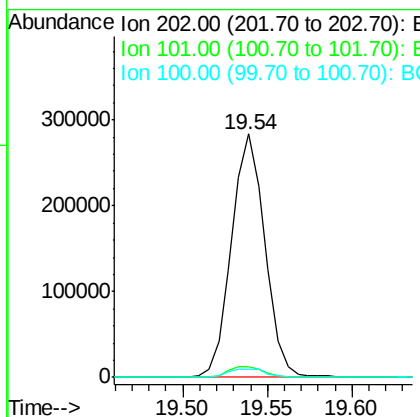
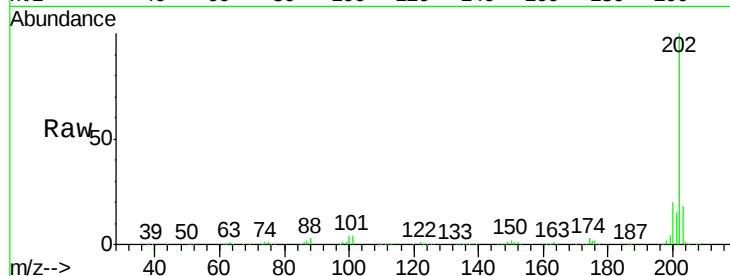




#17
Fluoranthene
 Concen: 21.56 ng/ul
 RT: 19.54 min Scan# 2766
 Delta R.T. -0.00 min
 Lab File: BG031062.D
 Acq: 17 Nov 2017 2:15

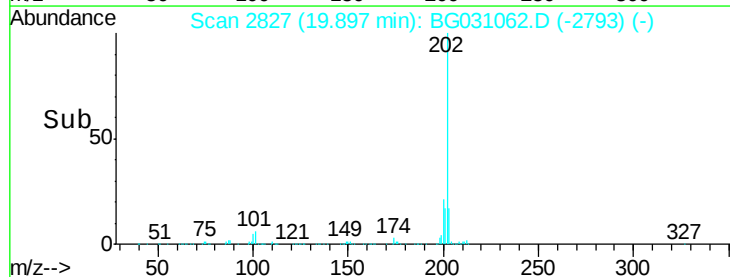
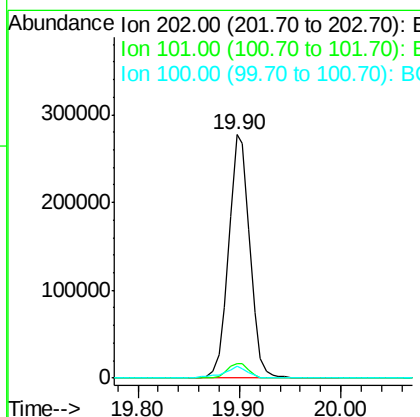
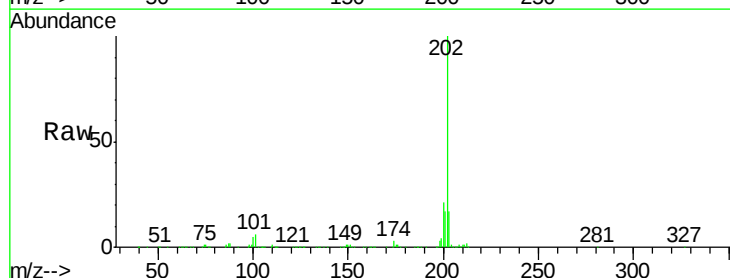
Instrument :
 BNA_G
 ClientSampleId :
 SST02062

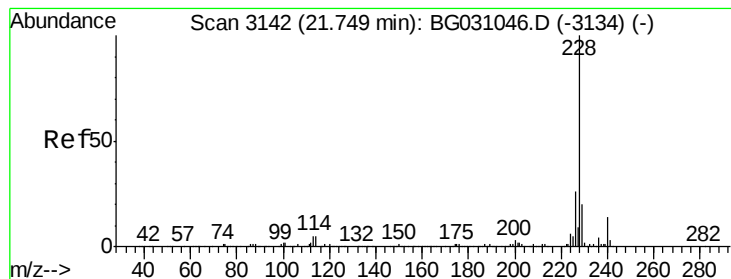
Tot Ion	Ratio	Lower	Upper
202	100		
101	4.3	9.8	14.8#
100	3.5	7.5	11.3#



#20
Pyrene
 Concen: 20.81 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. -0.00 min
 Lab File: BG031062.D
 Acq: 17 Nov 2017 2:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.9	11.2	16.8#
100	4.8	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 20.53 ng/ul

RT: 21.75 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

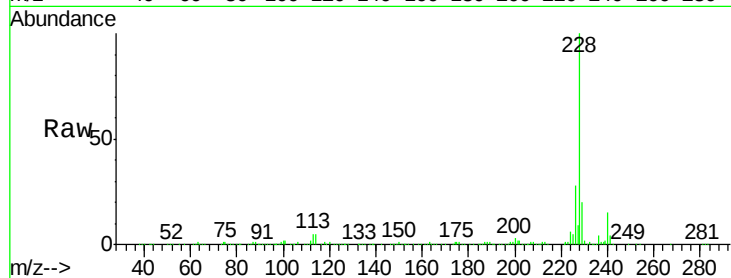
Tot Ion:228 Resp: 451948

Ion Ratio Lower Upper

228 100

229 20.0 15.9 23.9

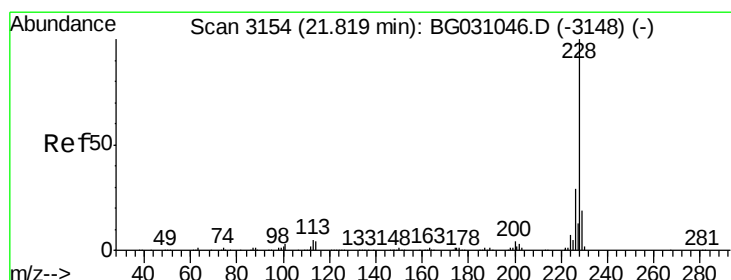
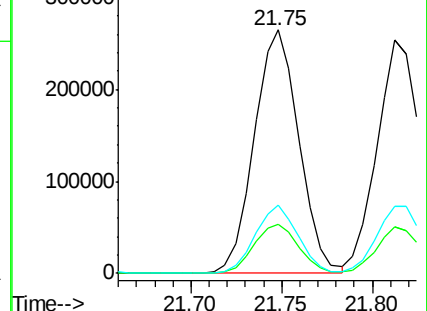
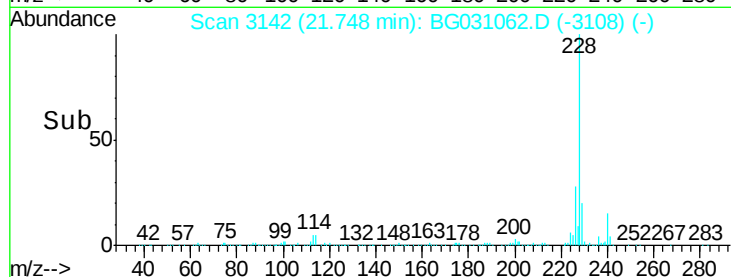
226 27.9 22.1 33.1



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: 20.35 ng/ul

RT: 21.81 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

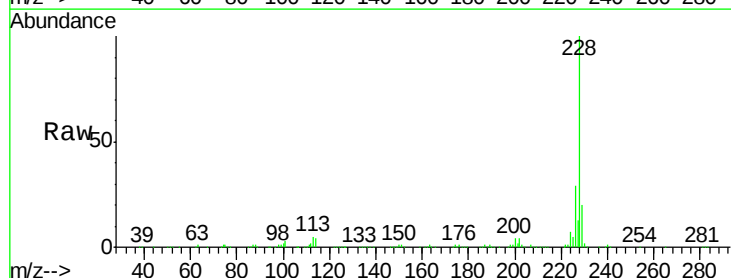
Tgt Ion:228 Resp: 426252

Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

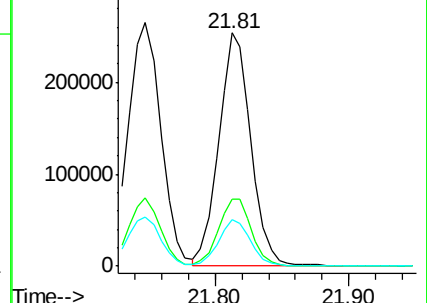
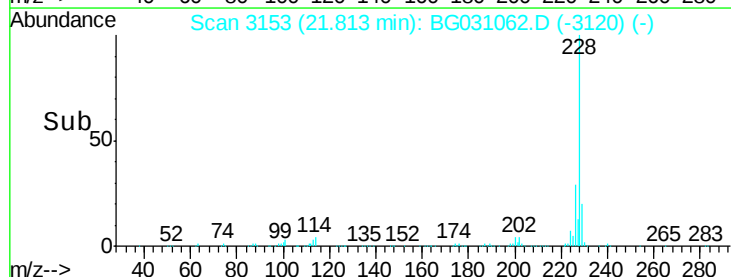
229 20.0 16.6 25.0

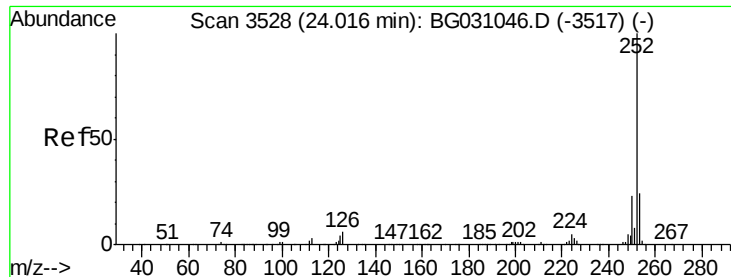


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 19.71 ng/ul

RT: 24.02 min Scan# 3528

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

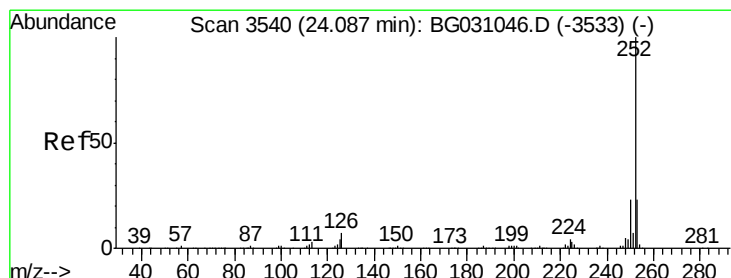
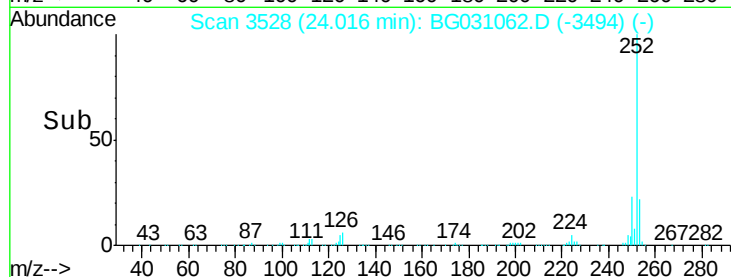
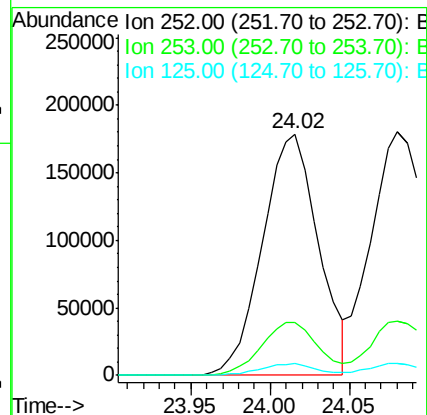
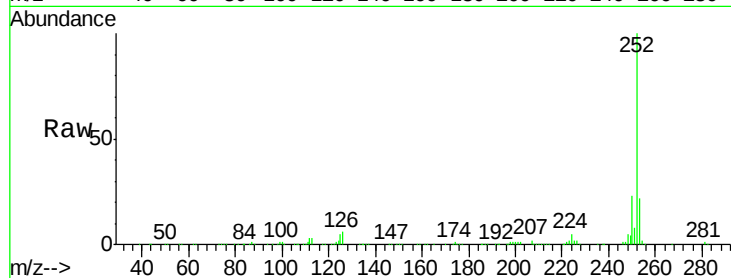
Tot Ion:252 Resp: 438361

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 4.9 9.4 14.0#



#25

Benzo(k)fluoranthene

Concen: 20.22 ng/ul

RT: 24.08 min Scan# 3539

Delta R.T. -0.01 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

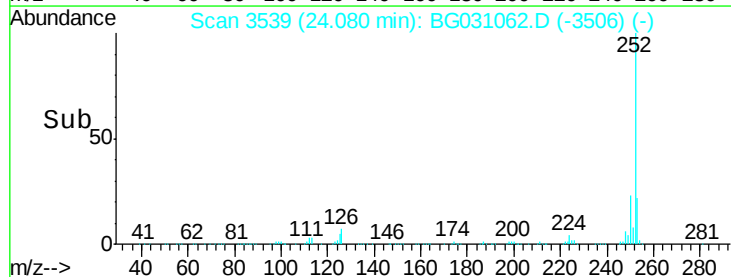
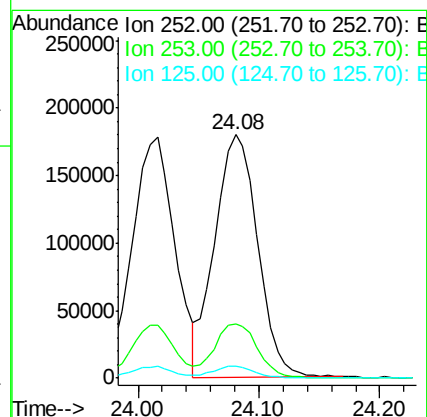
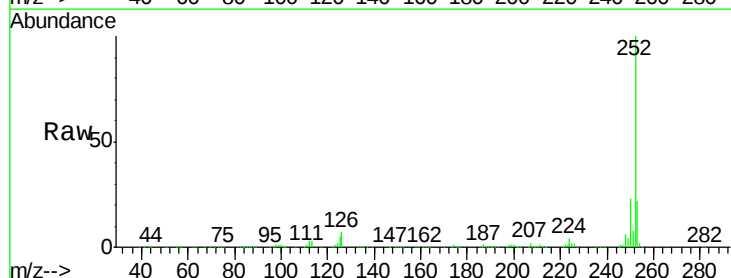
Tgt Ion:252 Resp: 443010

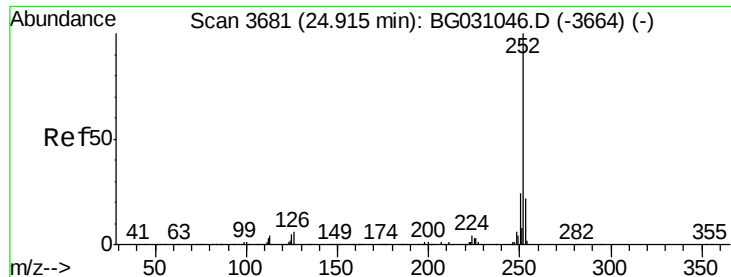
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 5.1 8.8 13.2#





#27

Benzo(a)pyrene

Concen: 20.13 ng/ul

RT: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

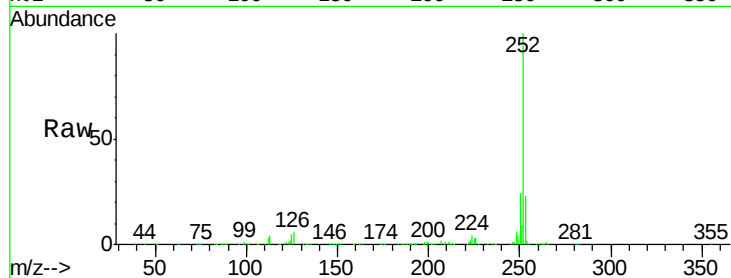
Tot Ion:252 Resp: 429098

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

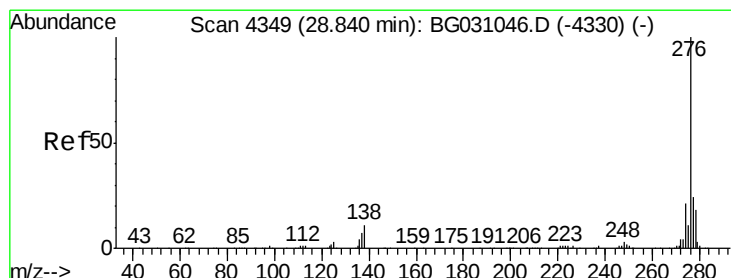
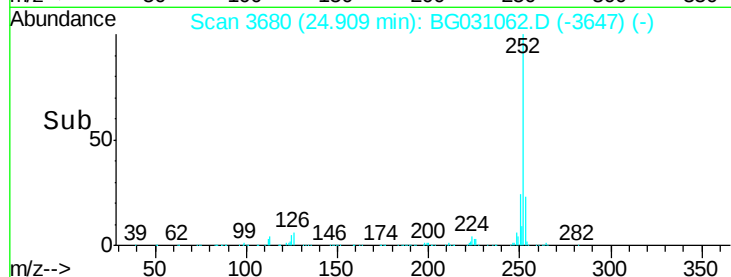
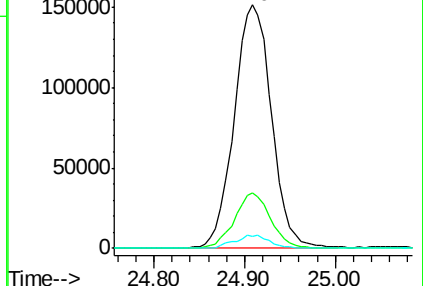
125 5.0 9.4 14.2#



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: 20.01 ng/ul

RT: 28.84 min Scan# 4349

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

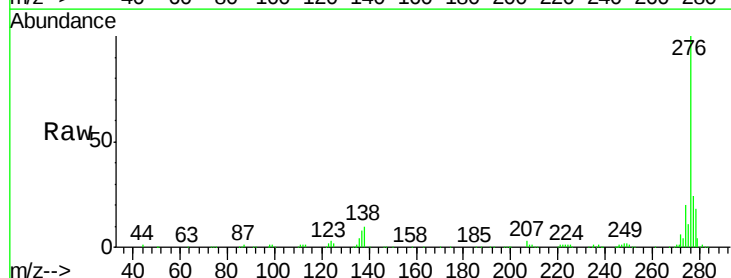
Tgt Ion:276 Resp: 486165

Ion Ratio Lower Upper

276 100

138 9.9 17.8 26.6#

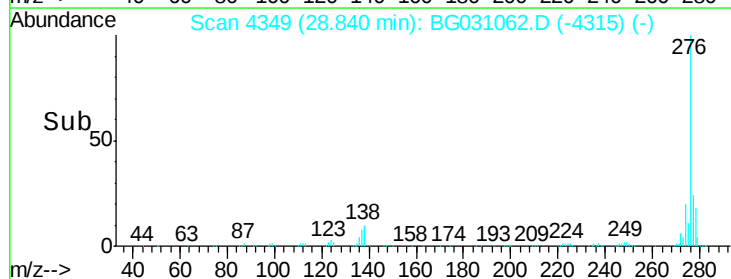
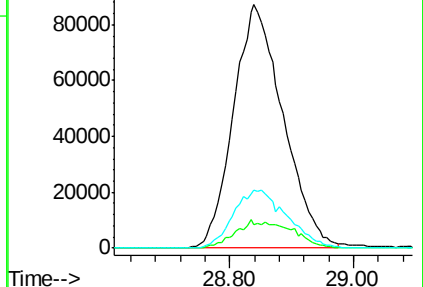
277 23.8 19.4 29.0

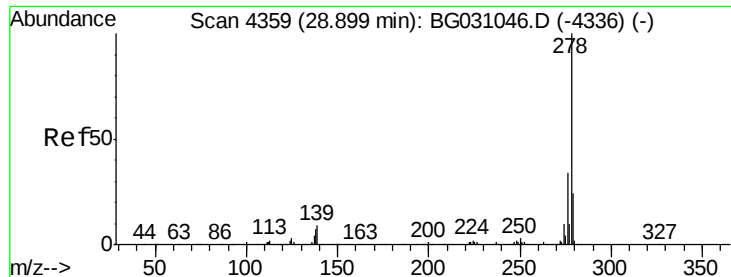


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Dibenzo(a,h)anthracene

Concen: 20.02 ng/ul

RT: 28.90 min Scan# 4359

Delta R.T. -0.00 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

Instrument :

BNA_G

ClientSampleId :

SSTD02062

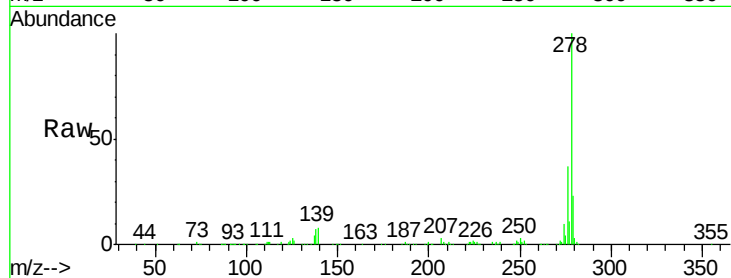
Tot Ion:278 Resp: 402781

Ion Ratio Lower Upper

278 100

139 8.3 14.0 21.0#

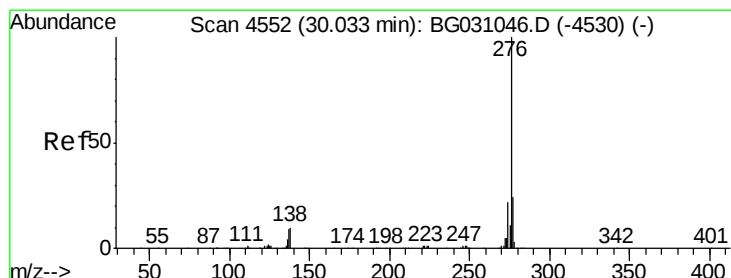
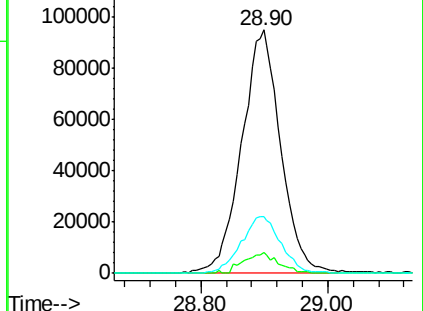
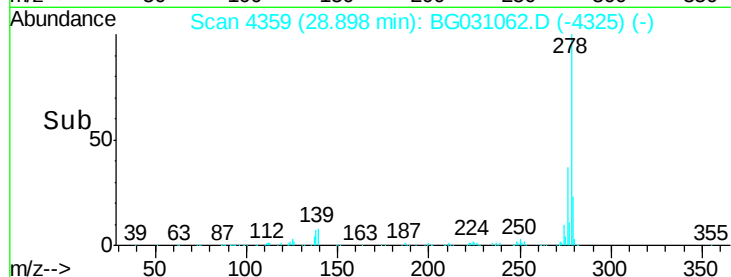
279 23.2 20.6 31.0



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: 19.88 ng/ul

RT: 30.02 min Scan# 4550

Delta R.T. -0.01 min

Lab File: BG031062.D

Acq: 17 Nov 2017 2:15

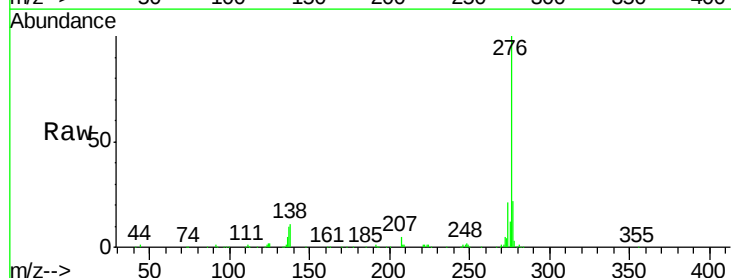
Tgt Ion:276 Resp: 402340

Ion Ratio Lower Upper

276 100

138 11.1 19.0 28.4#

277 22.2 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

