

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101317\
 Data File : BG029178.D
 Acq On : 11 Oct 2017 23:20
 Operator : SJ/JU
 Sample : I5668-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 08:53:43 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101117.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:24:22 2017
 Response via : Initial Calibration

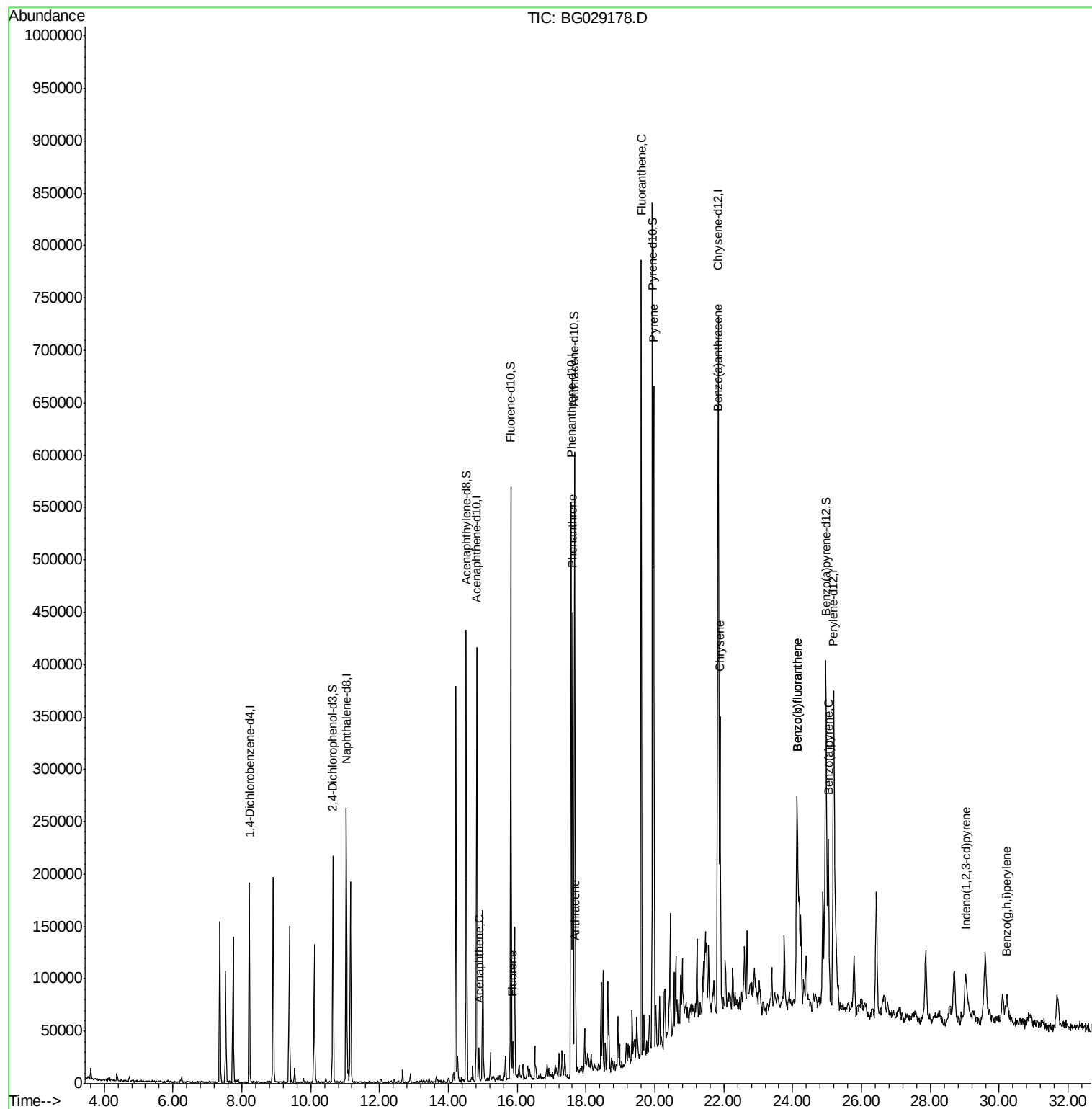
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	50598	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	222822	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	149310	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	342466	20.00	ng/ul	0.00
18) Chrysene-d12	21.85	240	368883	20.00	ng/ul	0.00
23) Perylene-d12	25.19	264	375625	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.64	165	82751	19.43	ng/ul	0.00
7) Acenaphthylene-d8	14.52	160	319588	21.35	ng/ul	0.00
10) Fluorene-d10	15.81	176	233831	19.91	ng/ul	0.00
15) Anthracene-d10	17.66	188	350590	20.71	ng/ul	0.00
19) Pyrene-d10	19.93	212	413911	21.36	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.96	264	391450	20.83	ng/ul	0.00
Target Compounds				Qvalue		
9) Acenaphthene	14.89	153	13759	1.37	ng/ul	96
11) Fluorene	15.86	166	15797	1.36	ng/ul	98
14) Phenanthrene	17.60	178	292562	15.77	ng/ul	99
16) Anthracene	17.70	178	55857	2.94	ng/ul	97
17) Fluoranthene	19.60	202	480117	21.99	ng/ul	100
20) Pyrene	19.96	202	407183	18.21	ng/ul	99
21) Benzo(a)anthracene	21.82	228	237619	10.57	ng/ul	99
22) Chrysene	21.89	228	222878	10.99	ng/ul	99
24) Benzo(b)fluoranthene	24.13	252	300945	13.00	ng/ul	98
25) Benzo(k)fluoranthene	24.13	252	300945	13.20	ng/ul	99
27) Benzo(a)pyrene	25.03	252	187773	8.31	ng/ul#	98
28) Indeno(1,2,3-cd)pyrene	29.02	276	99933	4.64	ng/ul	95
30) Benzo(a,h,i)perylene	30.21	276	60357	4.02	ng/ul#	91

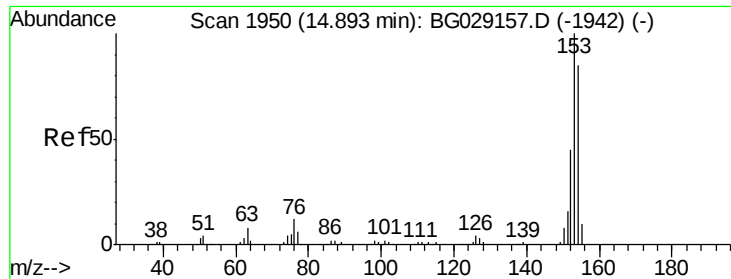
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 1.37 ng/ul

RT: 14.89 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

Instrument :

BNA_G

ClientSampleId :

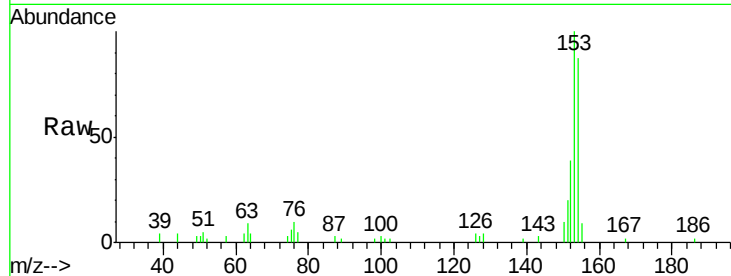
Tot Ion:153 Resp: 13759

Ion Ratio Lower Upper

153 100

152 38.8 36.2 54.4

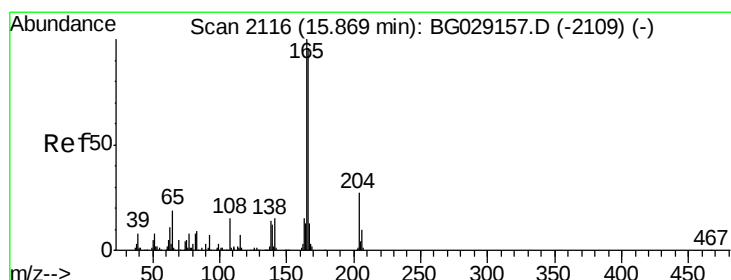
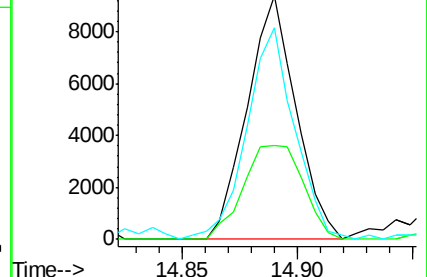
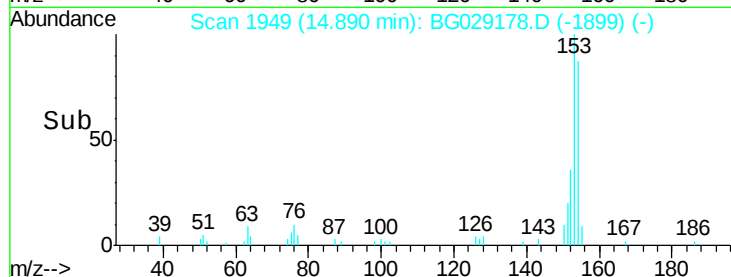
154 86.9 68.4 102.6



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: 1.36 ng/ul

RT: 15.86 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

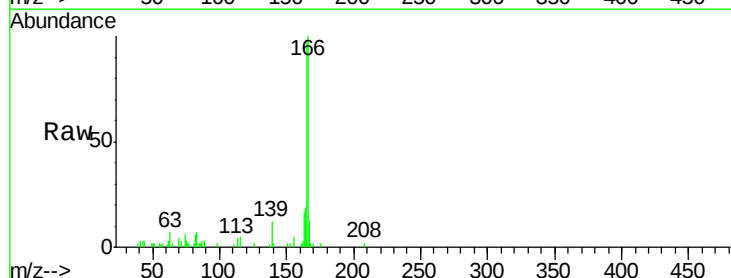
Tgt Ion:166 Resp: 15797

Ion Ratio Lower Upper

166 100

165 97.2 79.4 119.0

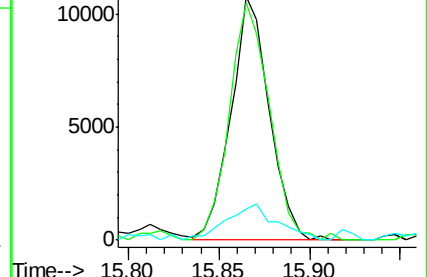
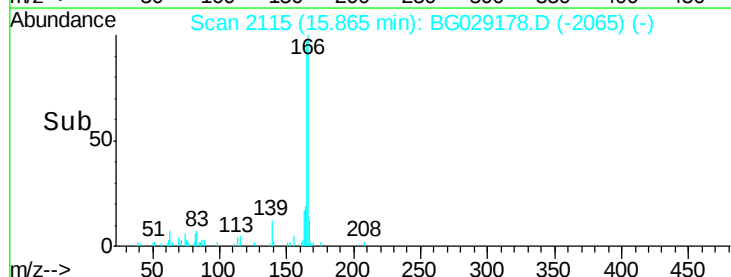
167 12.6 10.2 15.4

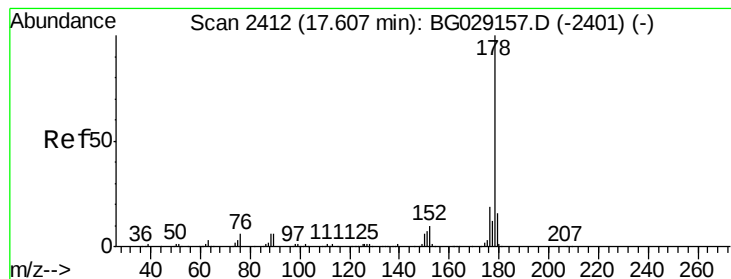


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 15.77 ng/ul

RT: 17.60 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

Instrument :

BNA_G

ClientSampleId :

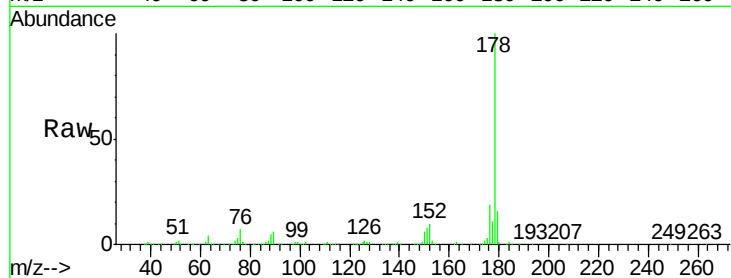
Tot Ion:178 Resp: 292562

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

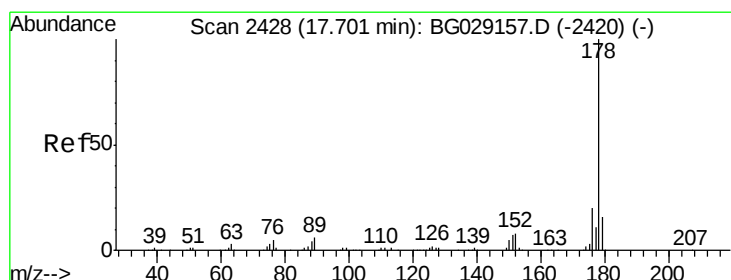
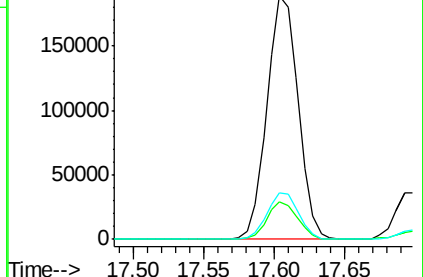
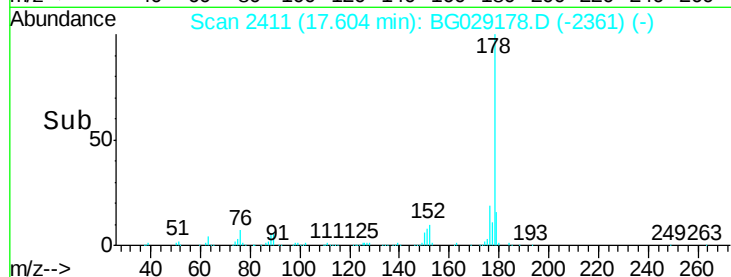
176 18.9 15.0 22.6



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: 2.94 ng/ul

RT: 17.70 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

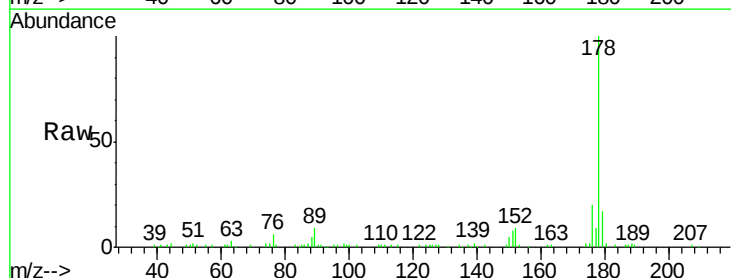
Tgt Ion:178 Resp: 55857

Ion Ratio Lower Upper

178 100

179 17.3 12.5 18.7

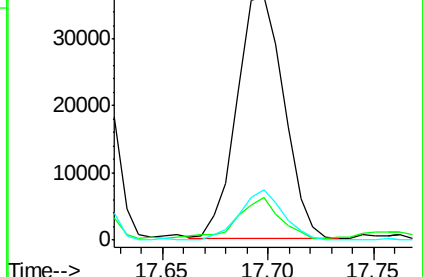
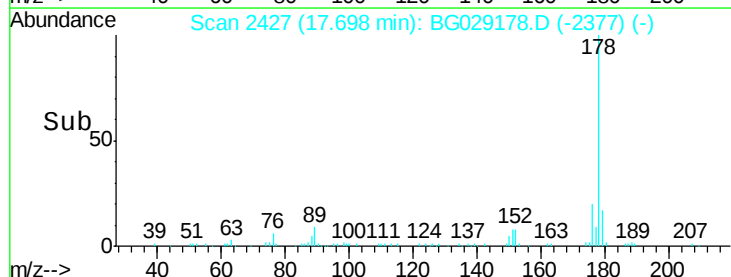
176 20.5 15.7 23.5

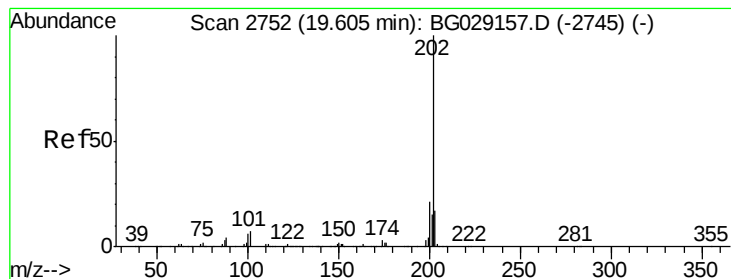


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#17

Fluoranthene

Concen: 21.99 ng/ul

RT: 19.60 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BG029178.D

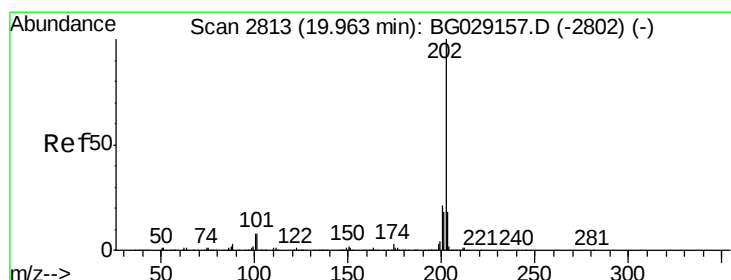
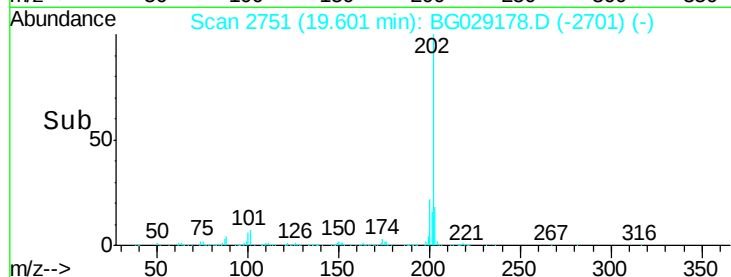
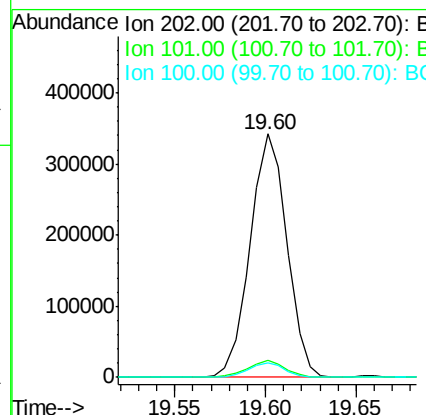
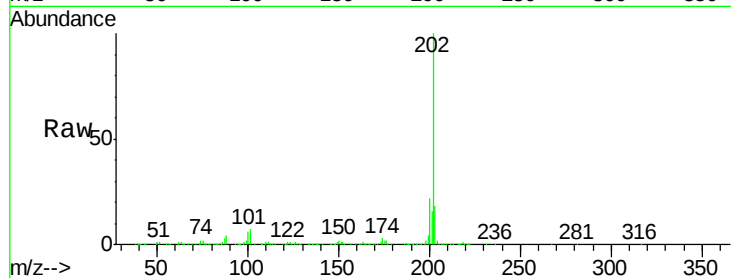
Acq: 11 Oct 2017 23:20

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	480117
Ion	Ratio	Lower	Upper
202	100		
101	7.2	5.6	8.4
100	5.8	4.7	7.1



#20

Pyrene

Concen: 18.21 ng/ul

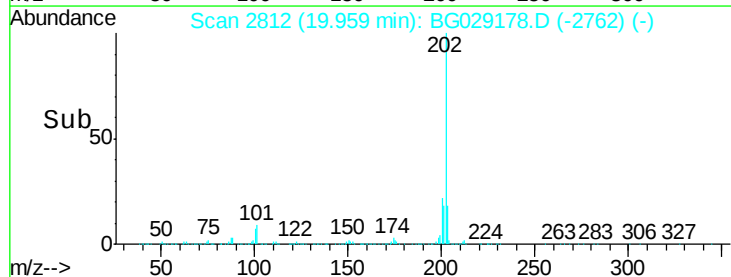
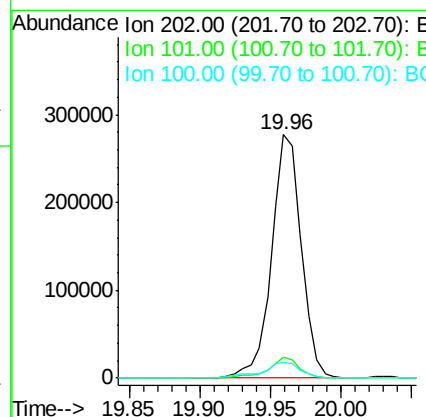
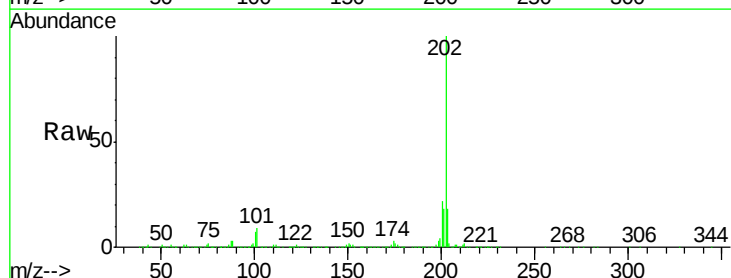
RT: 19.96 min Scan# 2812

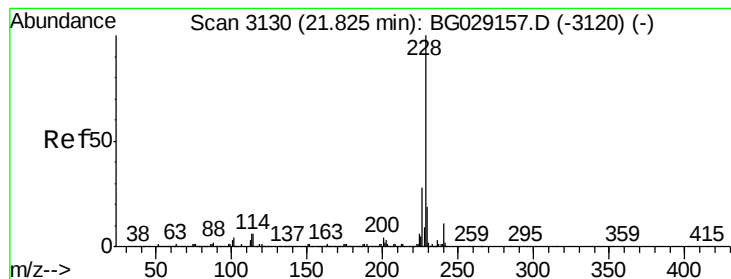
Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

Tgt Ion:	202	Resp:	407183
Ion	Ratio	Lower	Upper
202	100		
101	8.8	6.5	9.7
100	6.6	5.5	8.3





#21

Benzo(a)anthracene

Concen: 10.57 ng/ul

RT: 21.82 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

Instrument :

BNA_G

ClientSampleId :

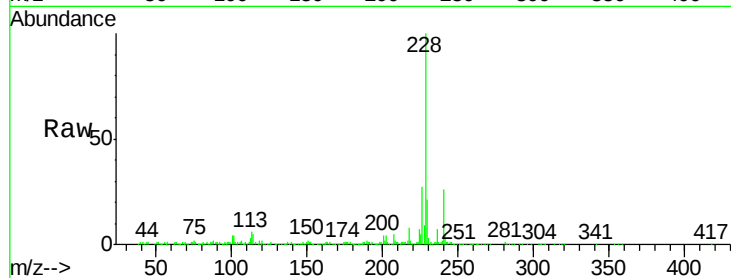
Tot Ion:228 Resp: 237619

Ion Ratio Lower Upper

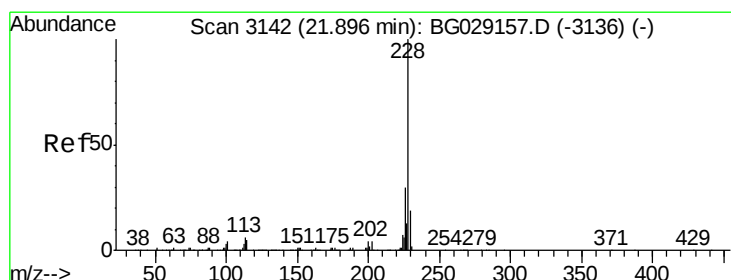
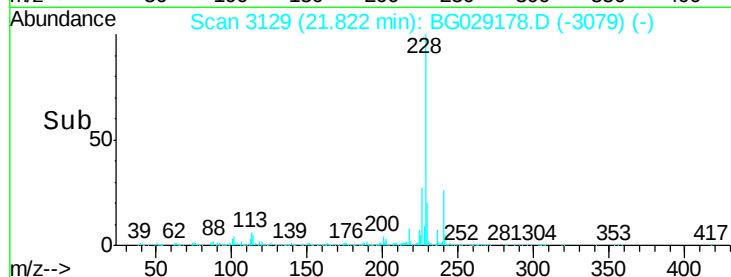
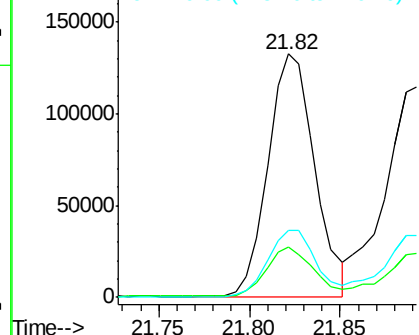
228 100

229 20.8 15.8 23.8

226 27.5 21.6 32.4



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: 10.99 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

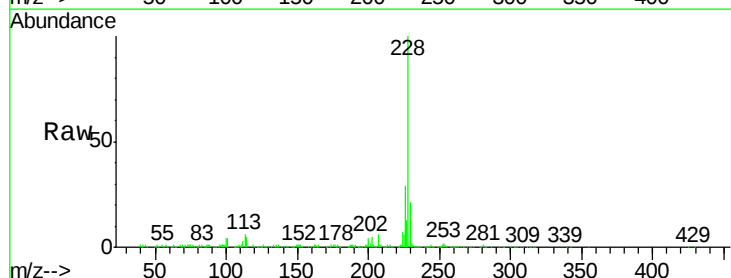
Tgt Ion:228 Resp: 222878

Ion Ratio Lower Upper

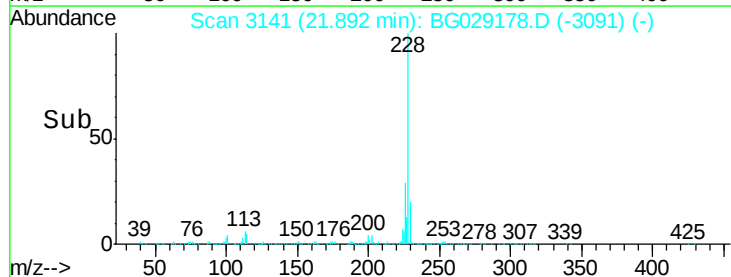
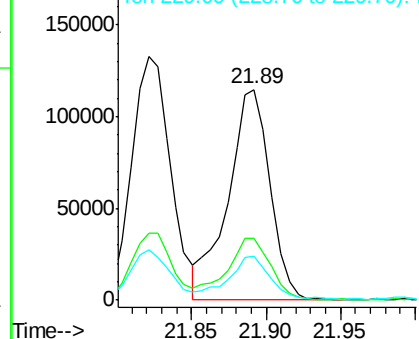
228 100

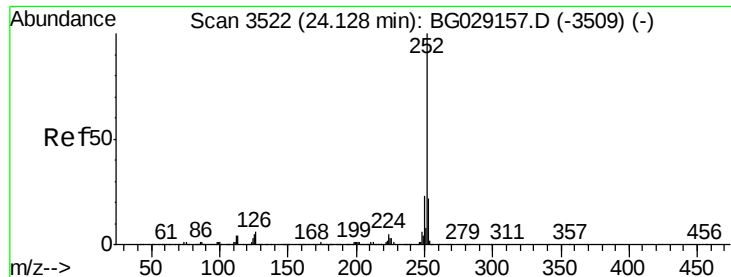
226 29.1 23.4 35.0

229 20.7 15.7 23.5



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

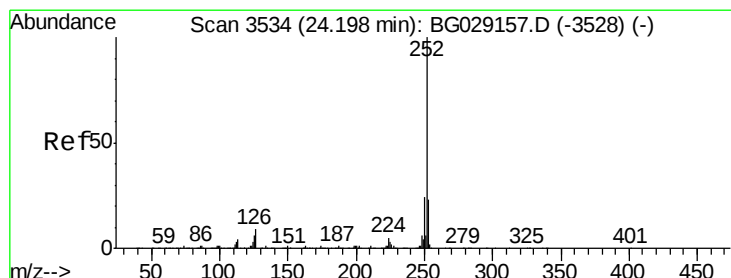
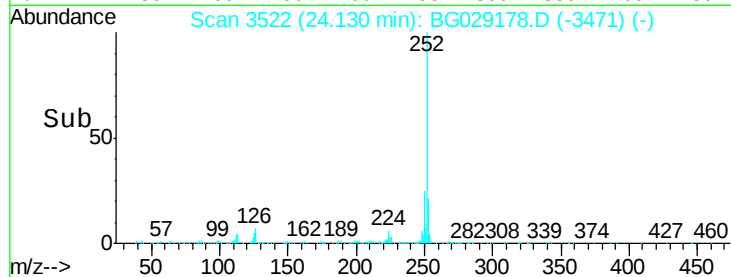
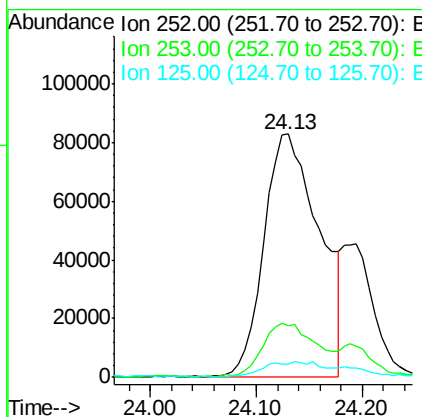
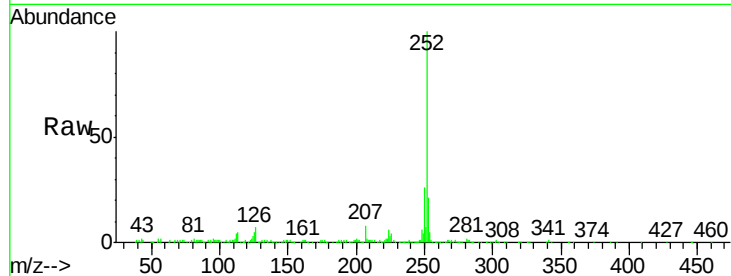




#24
Benzo(b)fluoranthene
Concen: 13.00 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. 0.00 min
Lab File: BG029178.D
Acq: 11 Oct 2017 23:20

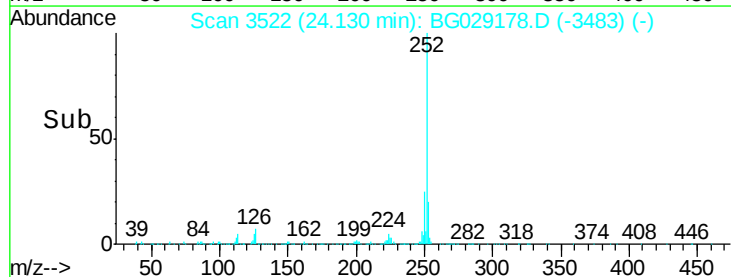
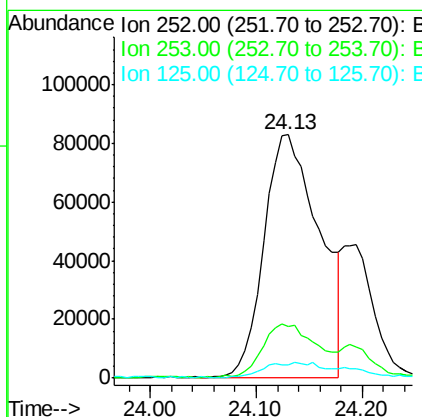
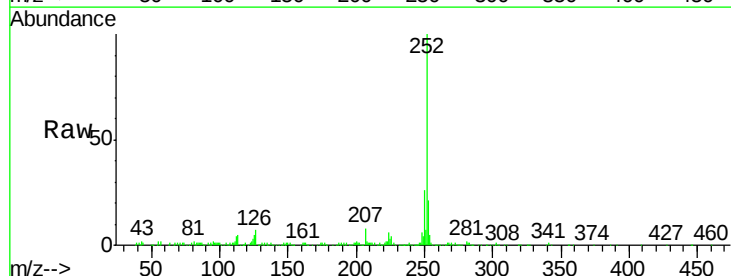
Instrument :
BNA_G
ClientSampleId :

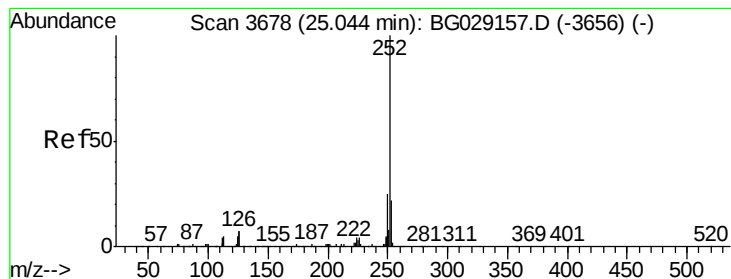
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.6	26.4
125	5.2	4.5	6.7



#25
Benzo(k)fluoranthene
Concen: 13.20 ng/ul
RT: 24.13 min Scan# 3522
Delta R.T. -0.07 min
Lab File: BG029178.D
Acq: 11 Oct 2017 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	5.2	5.1	7.7





#27

Benzo(a)pyrene

Concen: 8.31 ng/ul

RT: 25.03 min Scan# 3676

Delta R.T. -0.01 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

Instrument :

BNA_G

ClientSampled :

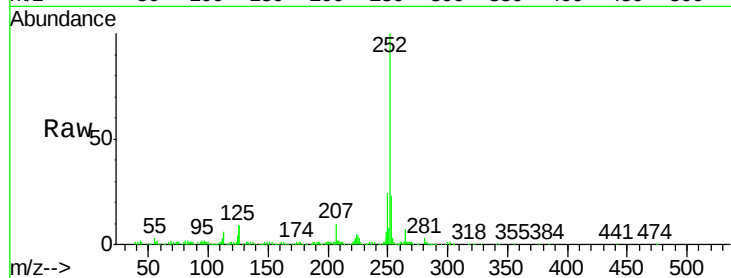
Tot Ion:252 Resp: 187773

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

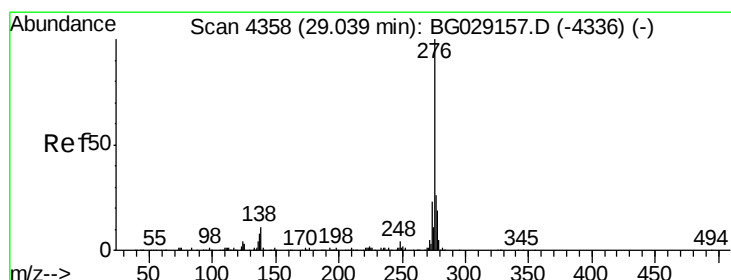
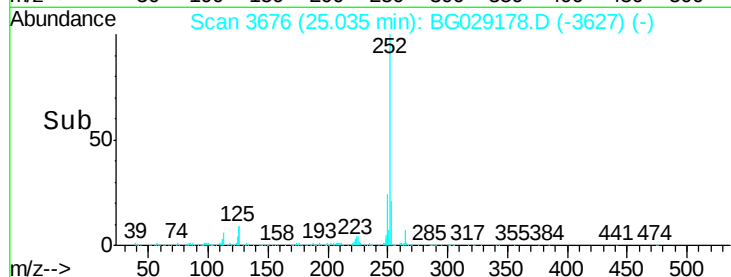
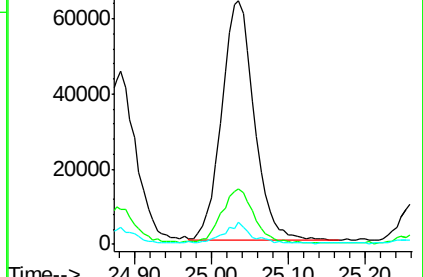
125 9.1 5.4 8.2#



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: 4.64 ng/ul

RT: 29.02 min Scan# 4355

Delta R.T. -0.02 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

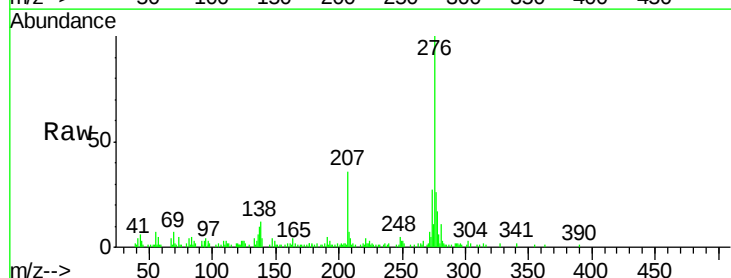
Tgt Ion:276 Resp: 99933

Ion Ratio Lower Upper

276 100

138 11.7 9.5 14.3

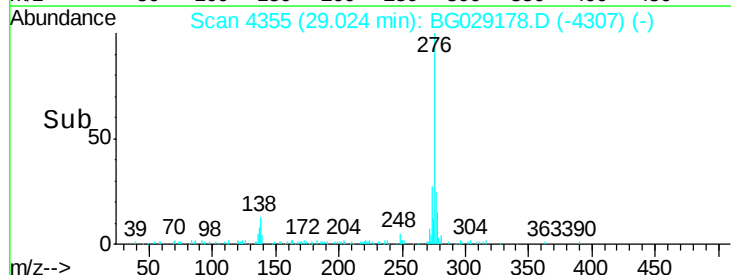
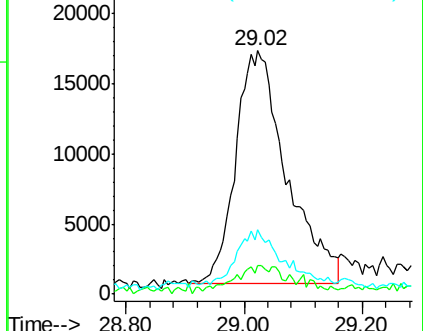
277 26.2 18.1 27.1

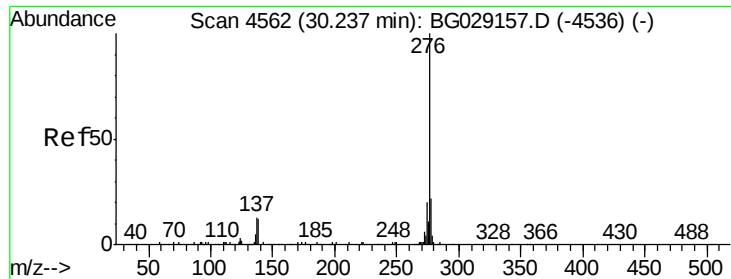


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#30

Benzo(a,h,i)perylene

Concen: 4.02 ng/ul

RT: 30.21 min Scan# 4557

Delta R.T. -0.03 min

Lab File: BG029178.D

Acq: 11 Oct 2017 23:20

Instrument :

BNA_G

ClientSampleId :

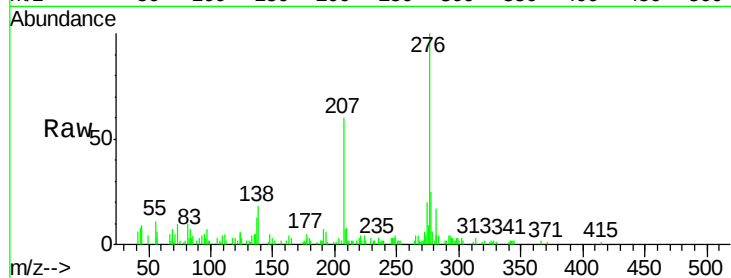
Tot Ion:276 Resp: 60357

Ion Ratio Lower Upper

276 100

138 17.7 9.3 13.9#

277 24.7 17.9 26.9



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

