

Data Path : Z:\HPCHEM1\BNA G\DATA\BG053017\
 Data File : BG027203.D
 Acq On : 30 May 2017 11:42
 Operator : SJ/MA
 Sample : I3193-14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 30 17:54:31 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG052717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 29 03:58:18 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	122975	20.00	ng/ul	0.00
2) Naphthalene-d8	10.76	136	551498	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.58	164	363755	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	747805	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	450772	20.00	ng/ul	0.00
23) Perylene-d12	24.69	264	680449	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2,4-Dichlorophenol-d3	10.39	165	192852	25.11	ng/uL	0.00
7) Acenaphthylene-d8	14.27	160	1140187	31.46	ng/ul	0.00
10) Fluorene-d10	15.56	176	769099	31.00	ng/ul	0.00
15) Anthracene-d10	17.41	188	1081644	29.97	ng/ul	0.00
19) Pyrene-d10	19.69	212	1028903	41.54	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	961635	34.21	ng/ul	0.00

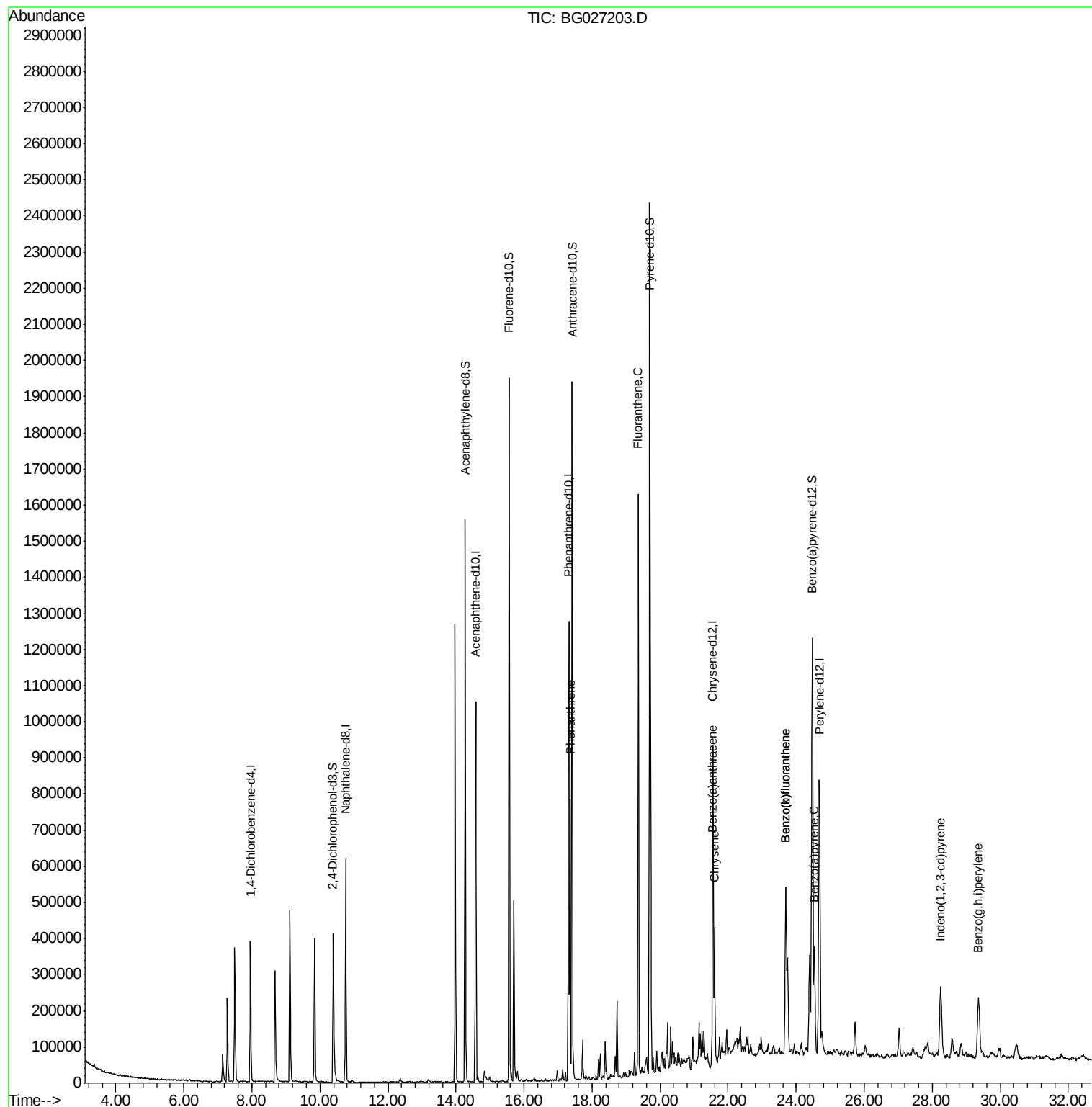
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Phenanthrene	17.35	178	456939	11.12	ng/ul	99
17) Fluoranthene	19.36	202	925705	22.89	ng/ul#	91
21) Benzo(a)anthracene	21.53	228	105069	3.99	ng/ul	98
22) Chrysene	21.60	228	239097	10.03	ng/ul	95
24) Benzo(b)fluoranthene	23.69	252	470653	12.98	ng/ul#	96
25) Benzo(k)fluoranthene	23.69	252	470653	13.41	ng/ul#	96
27) Benzo(a)pyrene	24.53	252	267867	7.81	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	28.24	276	270748	5.99	ng/ul#	90
30) Benzo(g,h,i)perylene	29.36	276	271160	7.53	ng/ul#	92

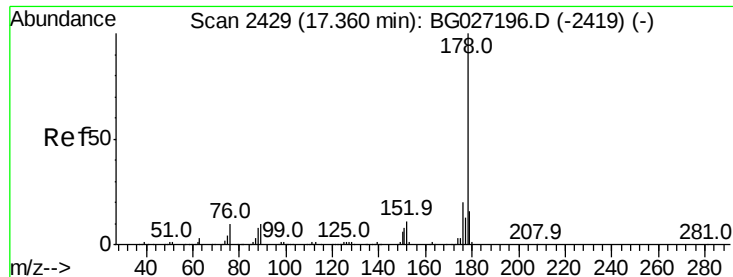
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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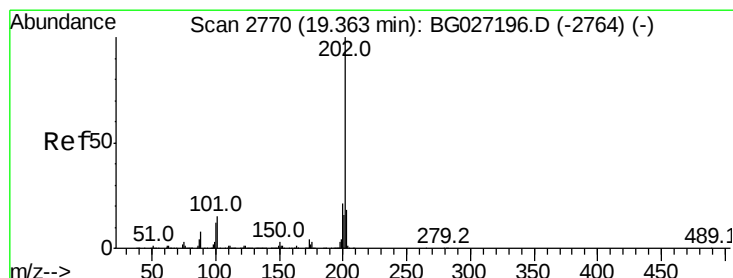
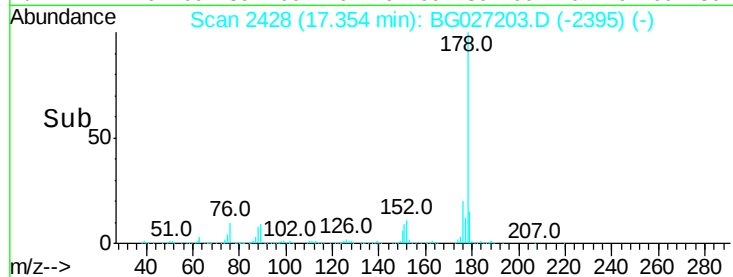
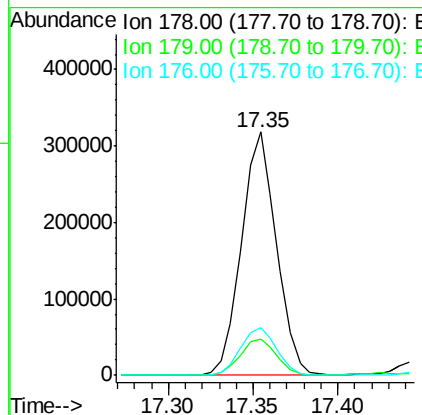
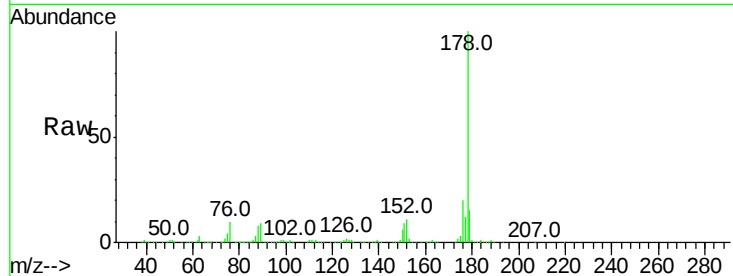




#14
Phenanthrene
Concen: 11.12 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BG027203.D
Acq: 30 May 2017 11:42

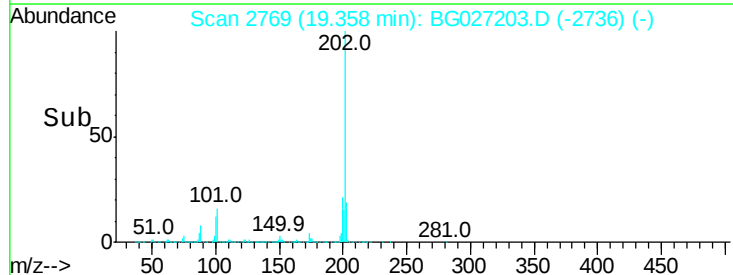
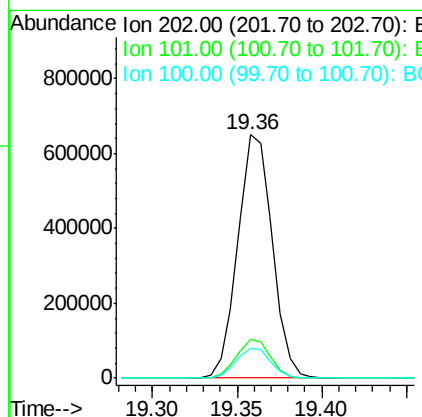
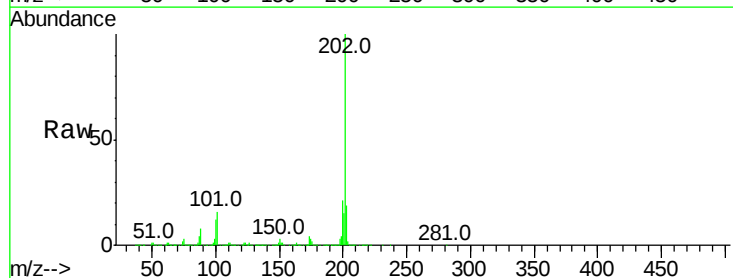
Instrument :
BNA_G
ClientSampleId :

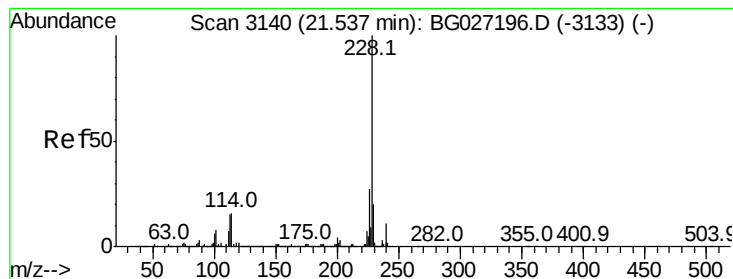
Tot Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.4
176	19.6	16.4	24.6



#17
Fluoranthene
Concen: 22.89 ng/ul
RT: 19.36 min Scan# 2769
Delta R.T. -0.01 min
Lab File: BG027203.D
Acq: 30 May 2017 11:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.0	9.8	14.8#
100	12.5	7.5	11.3#





#21

Benzo(a)anthracene

Concen: 3.99 ng/ul

RT: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG027203.D

Acq: 30 May 2017 11:42

Instrument :

BNA_G

ClientSampled :

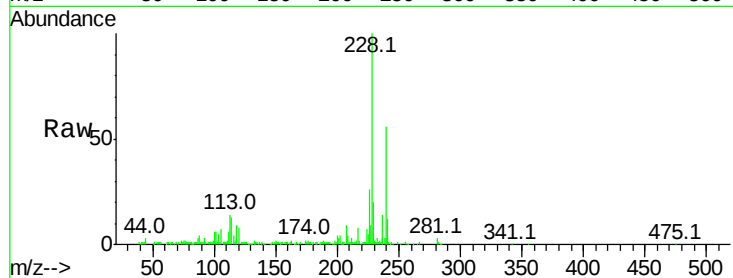
Tot Ion:228 Resp: 105069

Ion Ratio Lower Upper

228 100

229 19.6 15.9 23.9

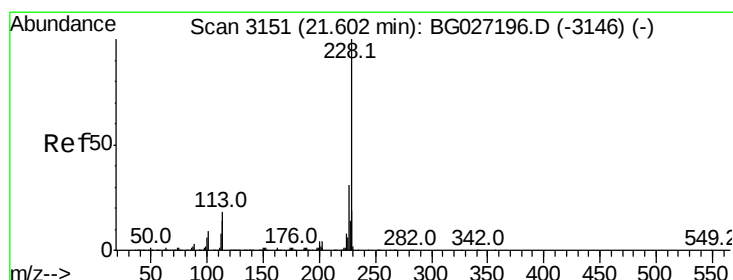
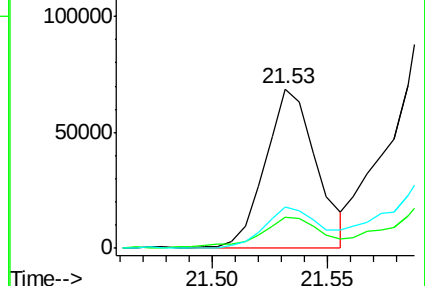
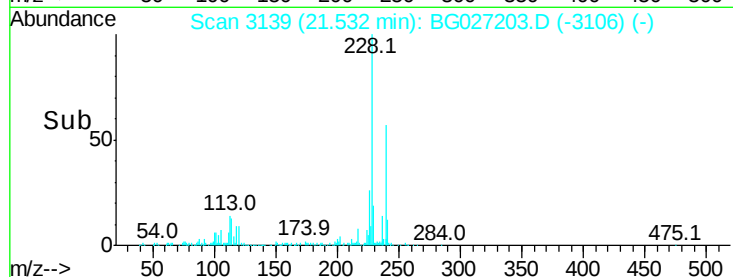
226 26.2 22.1 33.1



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: 10.03 ng/ul

RT: 21.60 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG027203.D

Acq: 30 May 2017 11:42

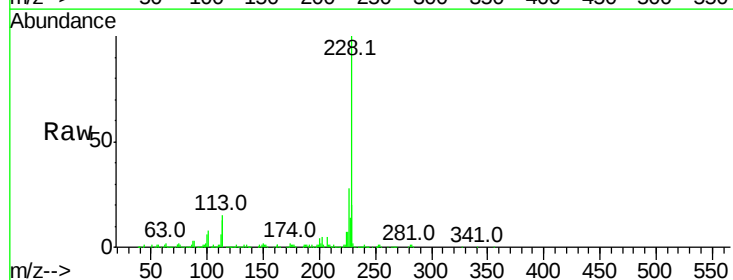
Tgt Ion:228 Resp: 239097

Ion Ratio Lower Upper

228 100

226 27.8 25.0 37.6

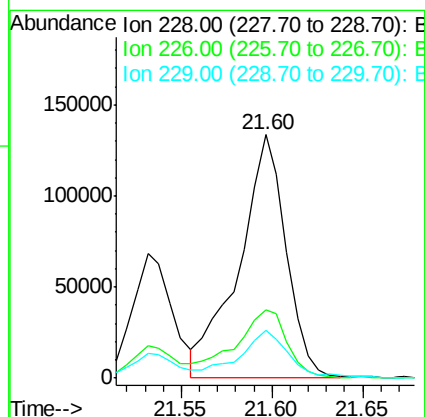
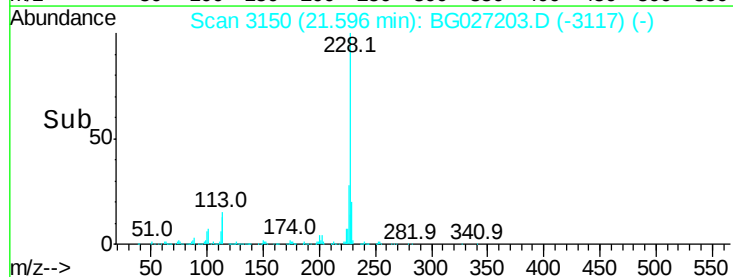
229 19.8 16.6 25.0

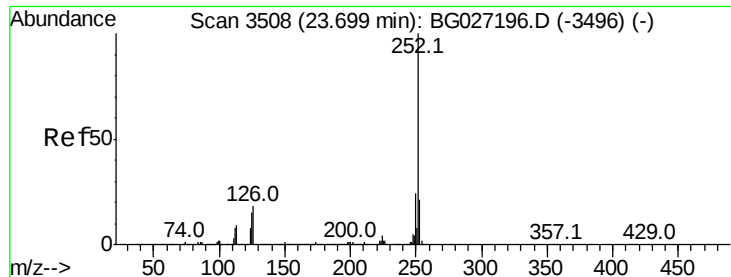


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 12.98 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.01 min

Lab File: BG027203.D

Acq: 30 May 2017 11:42

Instrument :

BNA_G

ClientSampleId :

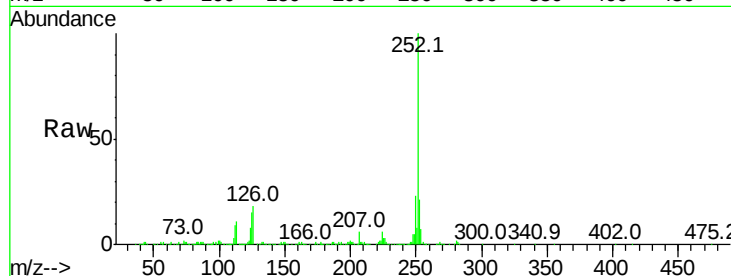
Tot Ion:252 Resp: 470653

Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.6

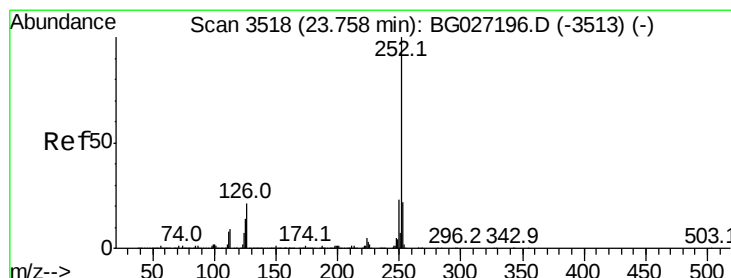
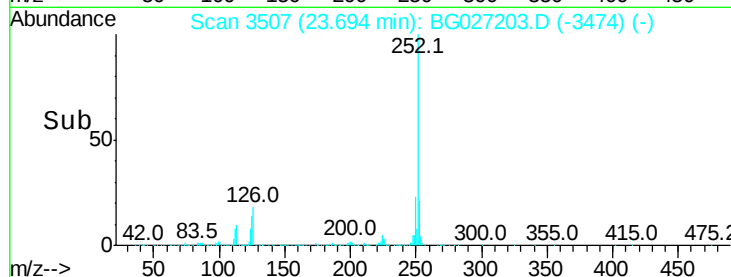
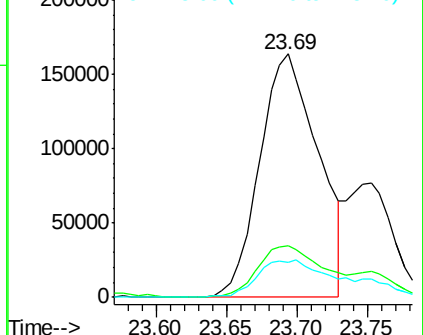
125 14.6 9.4 14.0#



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



#25

Benzo(k)fluoranthene

Concen: 13.41 ng/ul

RT: 23.69 min Scan# 3507

Delta R.T. -0.06 min

Lab File: BG027203.D

Acq: 30 May 2017 11:42

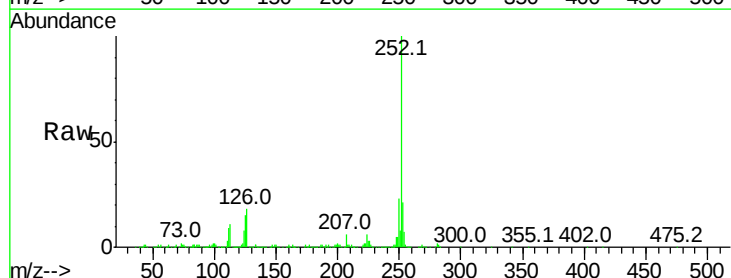
Tgt Ion:252 Resp: 470653

Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.2

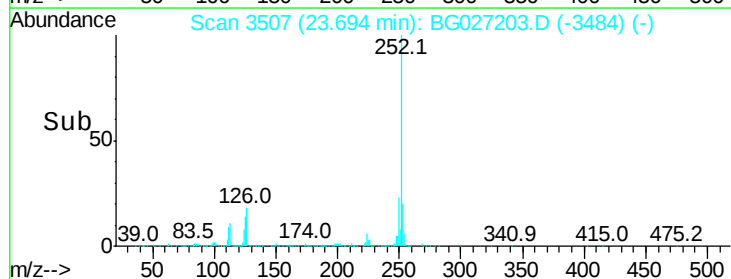
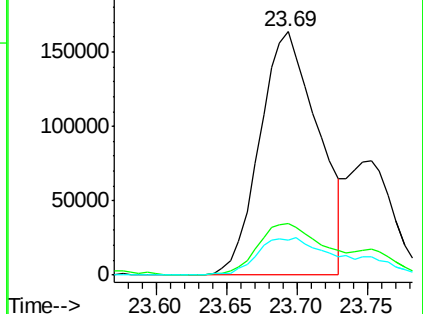
125 14.6 8.8 13.2#

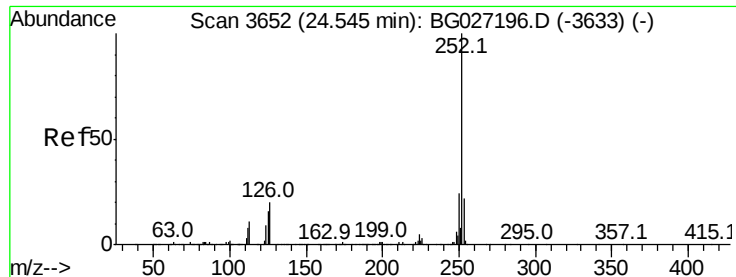


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

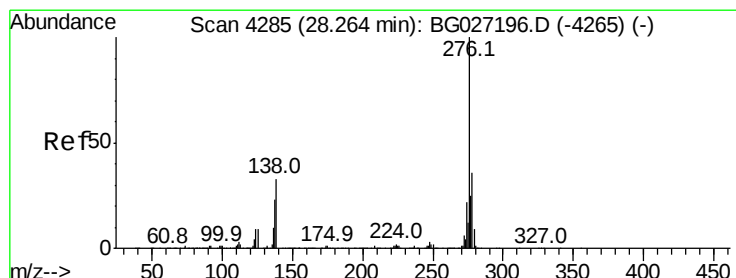
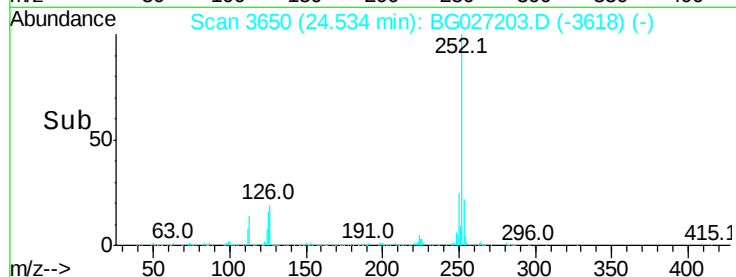
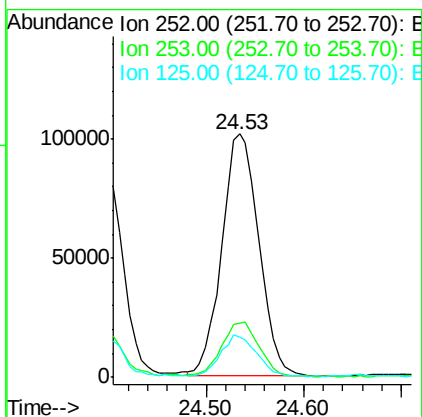
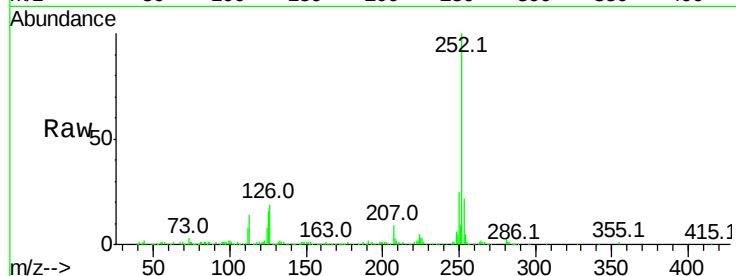




#27
Benzo(a)pyrene
Concen: 7.81 ng/ul
RT: 24.53 min Scan# 3650
Delta R.T. -0.01 min
Lab File: BG027203.D
Acq: 30 May 2017 11:42

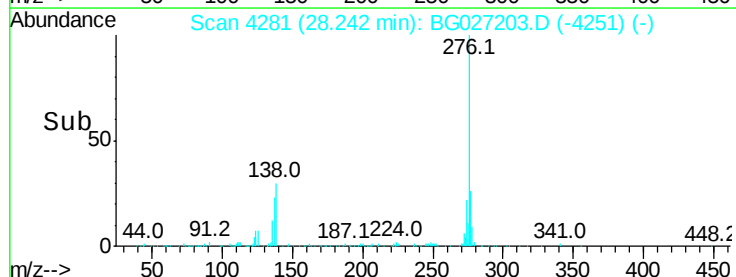
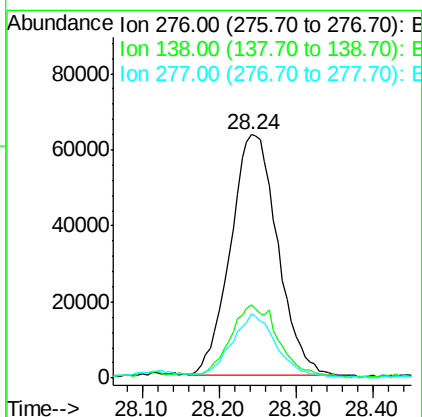
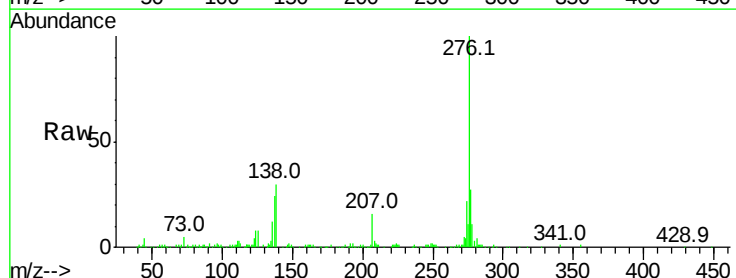
Instrument :
BNA_G
ClientSampleId :

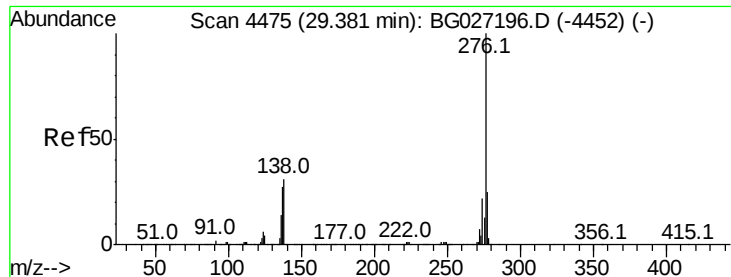
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	16.4	9.4	14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 5.99 ng/ul
RT: 28.24 min Scan# 4281
Delta R.T. -0.02 min
Lab File: BG027203.D
Acq: 30 May 2017 11:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	17.8	26.6
277	26.6	19.4	29.0





#30

Benzo(a,h,i)perylene

Concen: 7.53 ng/ul

RT: 29.36 min Scan# 4471

Delta R.T. -0.02 min

Lab File: BG027203.D

Acq: 30 May 2017 11:42

Instrument :

BNA_G

ClientSampleId :

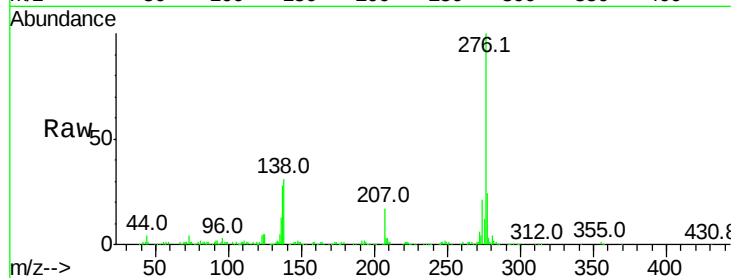
Tot Ion:276 Resp: 271160

Ion Ratio Lower Upper

276 100

138 30.8 19.0 28.4#

277 24.1 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

