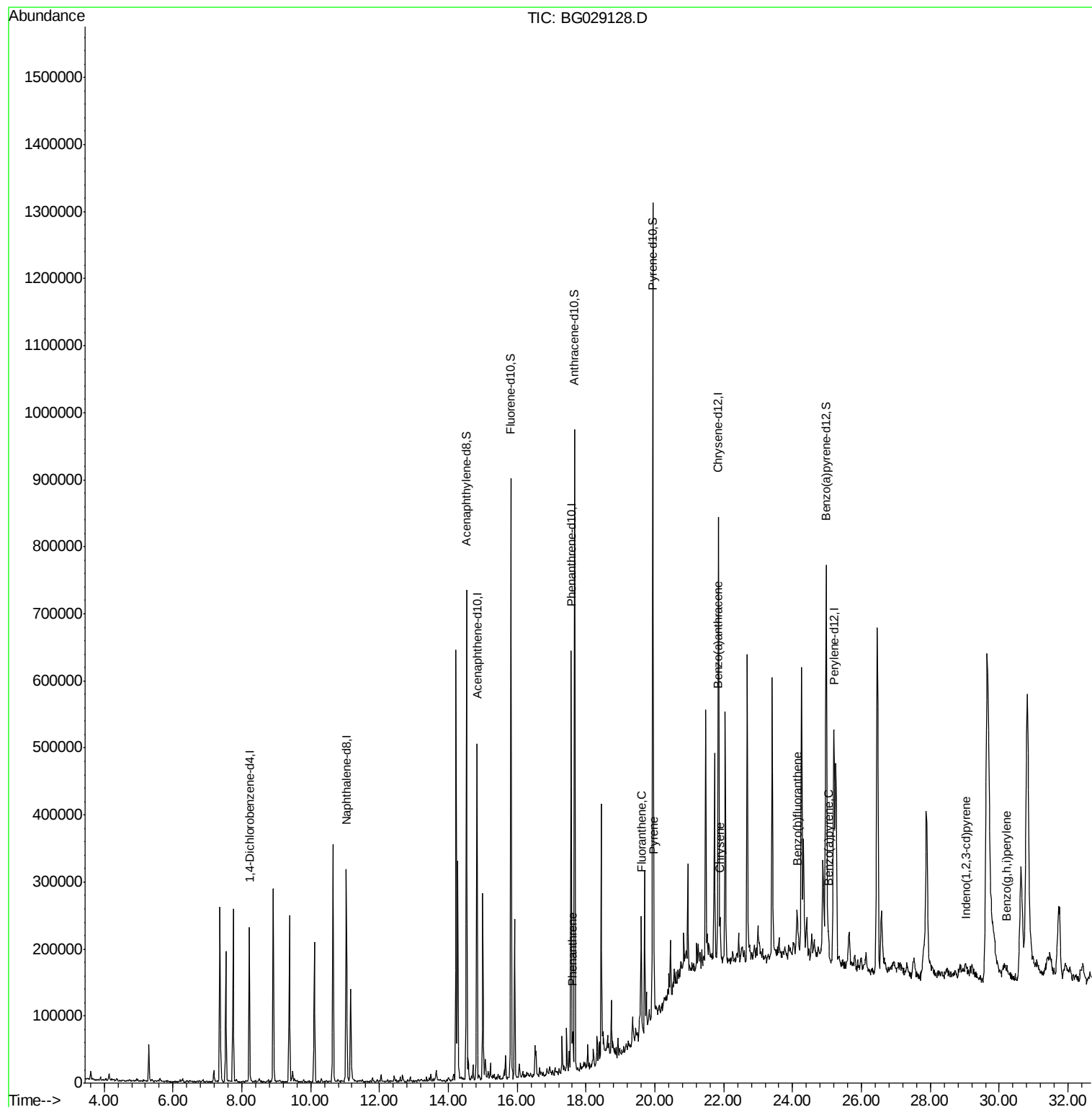
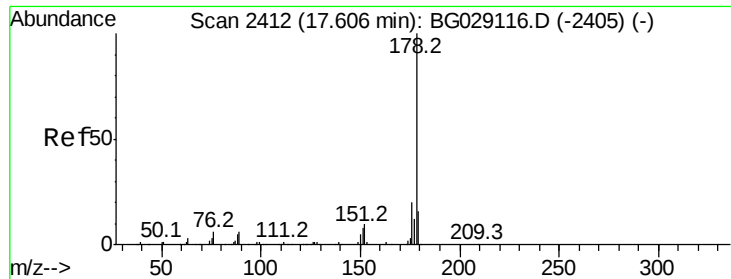


Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029128.D
Acq On : 10 Oct 2017 4:38
Operator : SJ/JU
Sample : I5578-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DAHB2

Quant Time: Oct 10 07:11:24 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

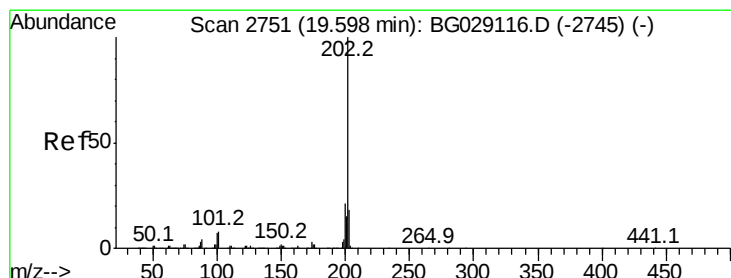
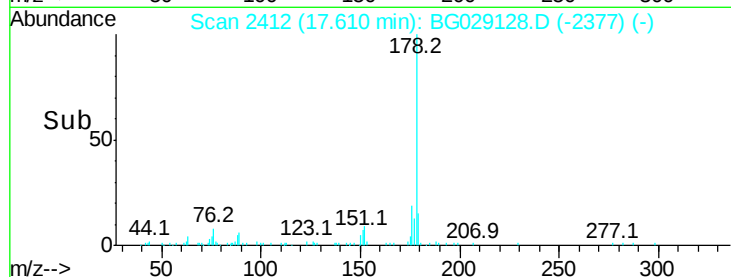
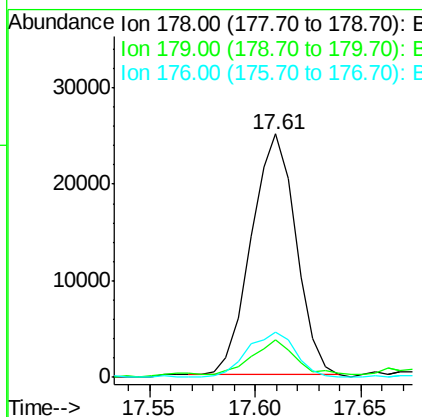
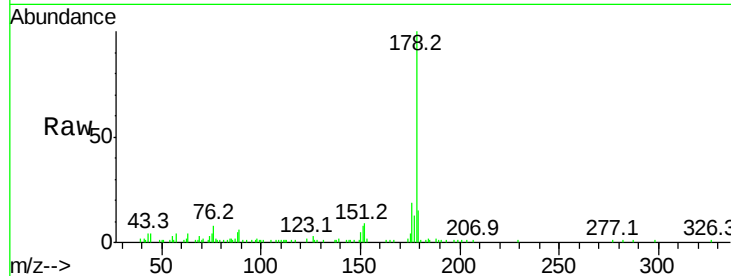




#13
Phenanthrene
Concen: 1.742 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG029128.D
Acq: 10 Oct 2017 4:38

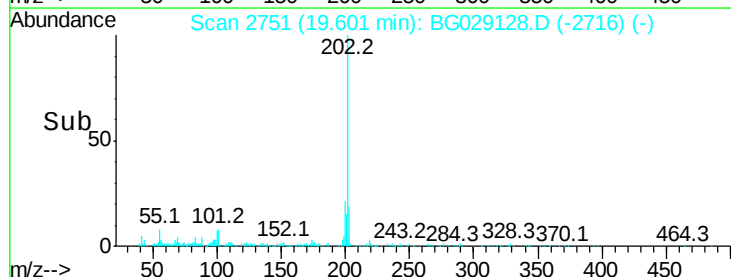
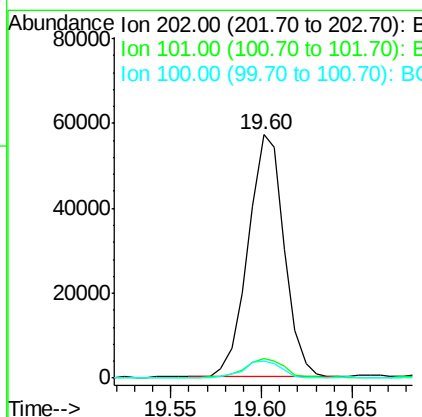
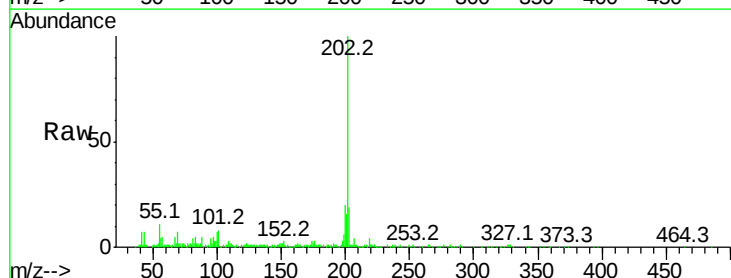
Instrument :
BNA_G
ClientSampleId :
DAHB2

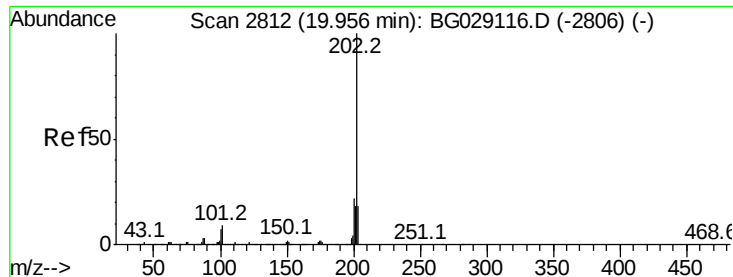
Tot Ion:178 Resp: 36516
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 18.8 15.1 22.7



#16
Fluoranthene
Concen: 3.229 ng/ul
RT: 19.60 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BG029128.D
Acq: 10 Oct 2017 4:38

Tgt Ion:202 Resp: 79354
Ion Ratio Lower Upper
202 100
101 8.3 9.9 14.9#
100 7.2 7.4 11.0#





#19

Pvrene

Concen: 2.635 ng/ul

RT: 19.97 min Scan# 2813

Delta R.T. 0.01 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

Instrument :

BNA_G

ClientSampleId :

DAHB2

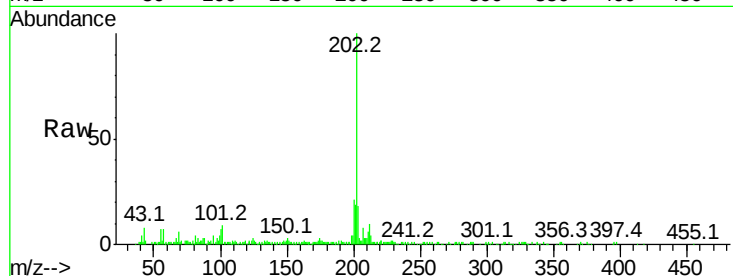
Tot Ion:202 Resp: 67194

Ion Ratio Lower Upper

202 100

101 8.5 11.0 16.4#

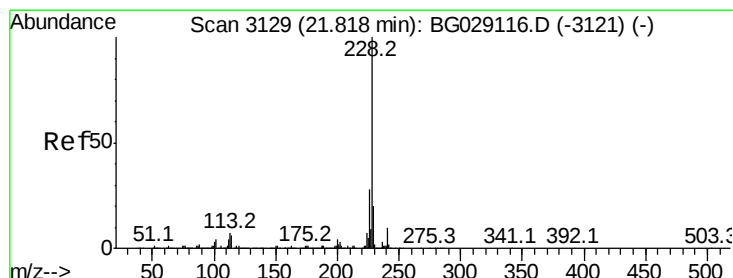
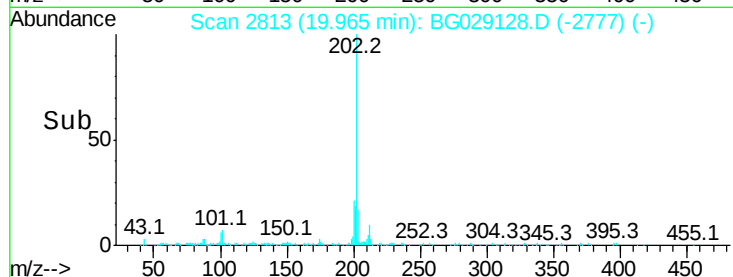
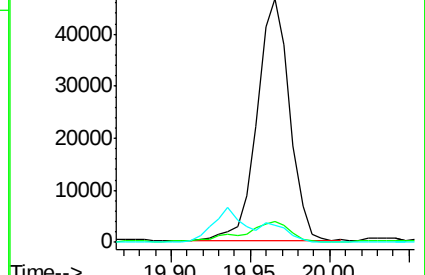
100 6.9 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 1.742 ng/ul

RT: 21.83 min Scan# 3130

Delta R.T. 0.01 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

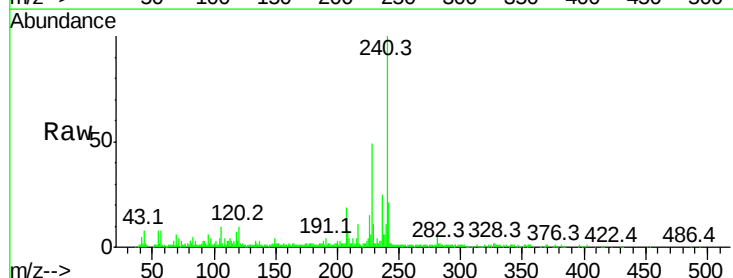
Tgt Ion:228 Resp: 41972

Ion Ratio Lower Upper

228 100

229 22.3 15.7 23.5

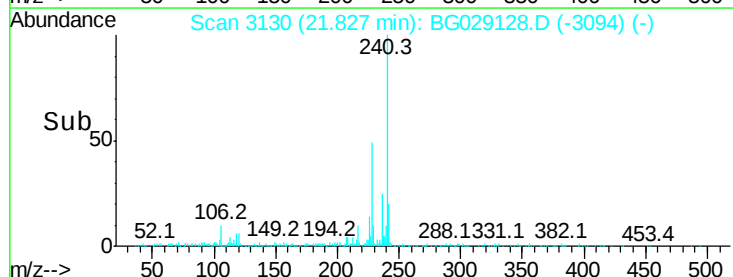
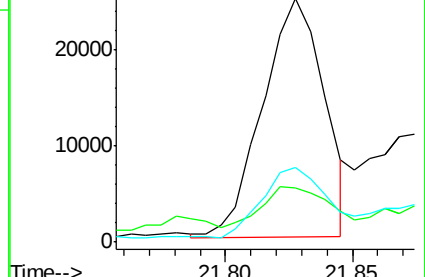
226 30.6 21.1 31.7

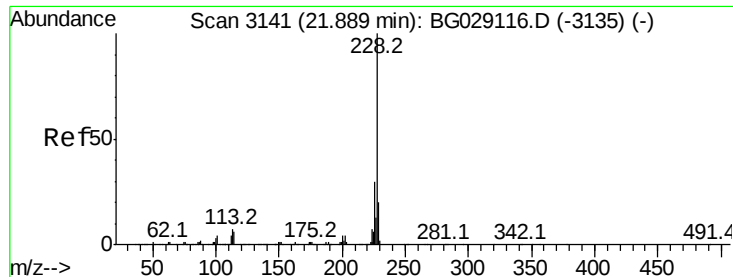


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 2.600 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

Instrument :

BNA_G

ClientSampleId :

DAHB2

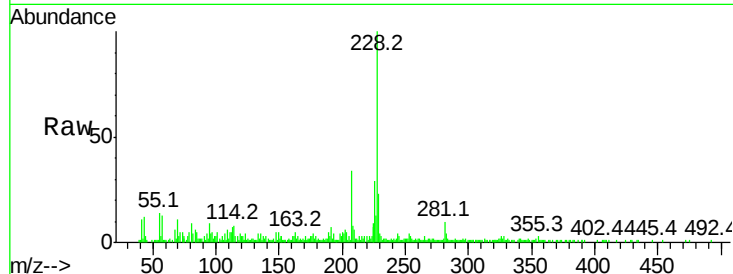
Tot Ion:228 Resp: 57371

Ion Ratio Lower Upper

228 100

226 28.7 24.5 36.7

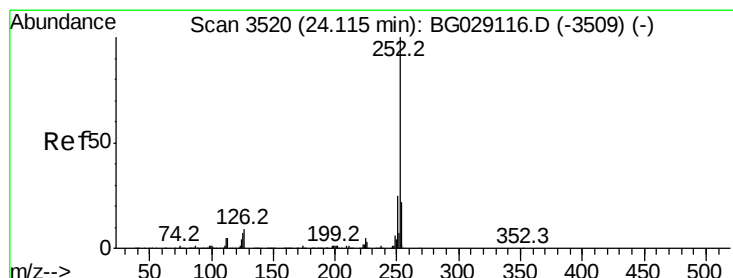
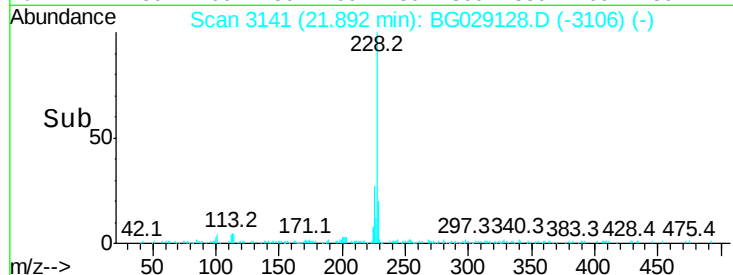
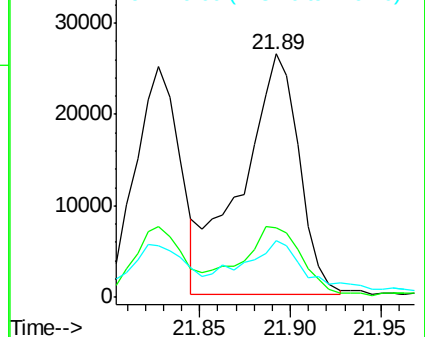
229 23.2 15.8 23.8



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: 3.149 ng/ul

RT: 24.13 min Scan# 3522

Delta R.T. 0.02 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

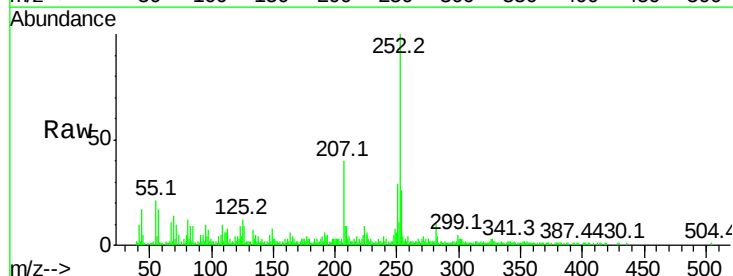
Tgt Ion:252 Resp: 80273

Ion Ratio Lower Upper

252 100

253 26.1 18.0 27.0

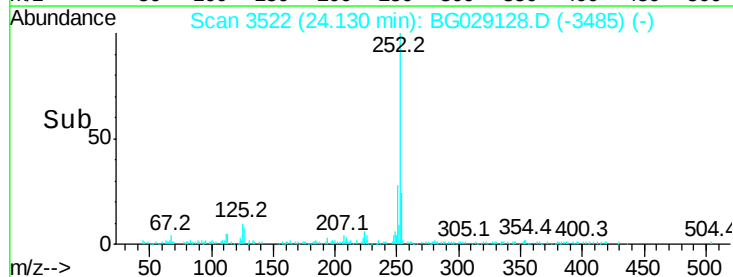
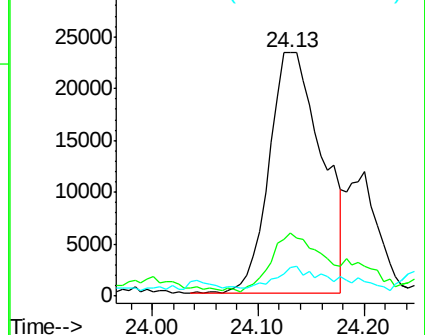
125 11.6 8.0 12.0

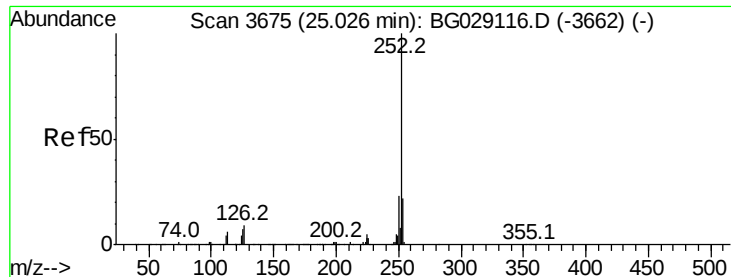


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 1.955 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. 0.02 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

Instrument :

BNA_G

ClientSampleId :

DAHB2

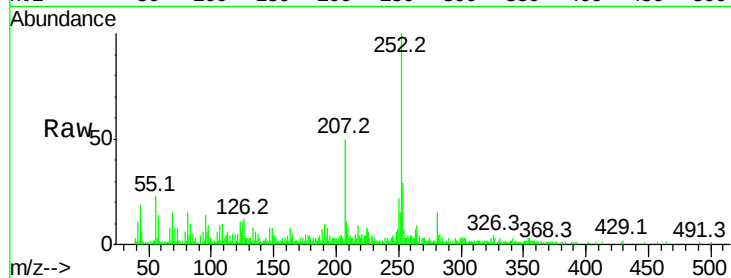
Tot Ion:252 Resp: 48392

Ion Ratio Lower Upper

252 100

253 28.8 17.2 25.8#

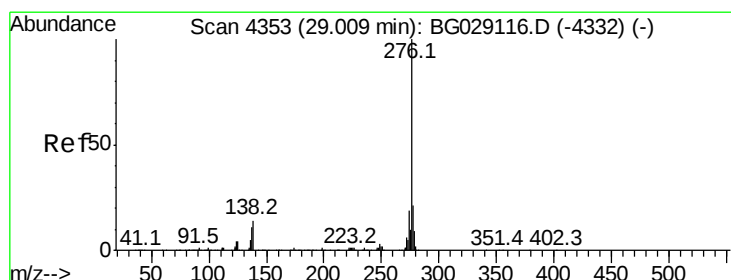
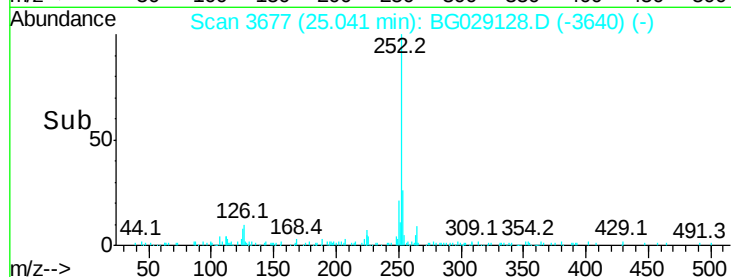
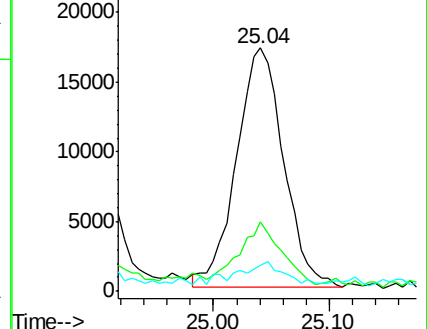
125 10.5 8.2 12.4



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: 1.194 ng/ul

RT: 29.04 min Scan# 4357

Delta R.T. 0.03 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

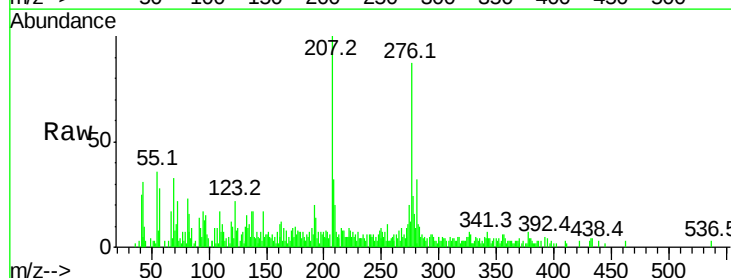
Tgt Ion:276 Resp: 33560

Ion Ratio Lower Upper

276 100

138 19.6 14.4 21.6

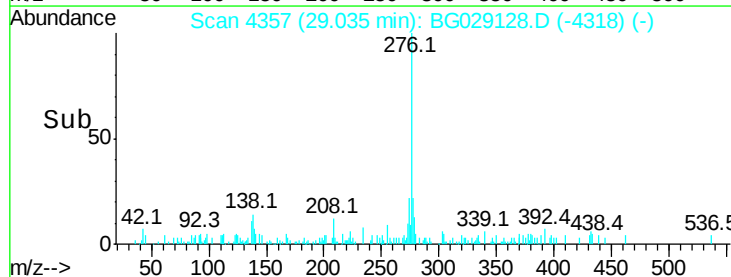
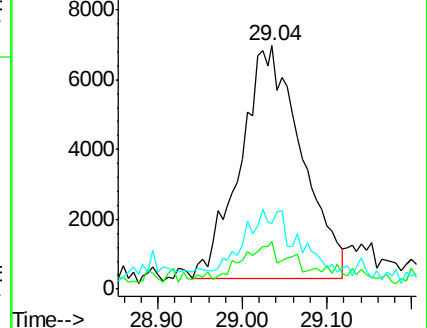
277 27.1 18.0 27.0#

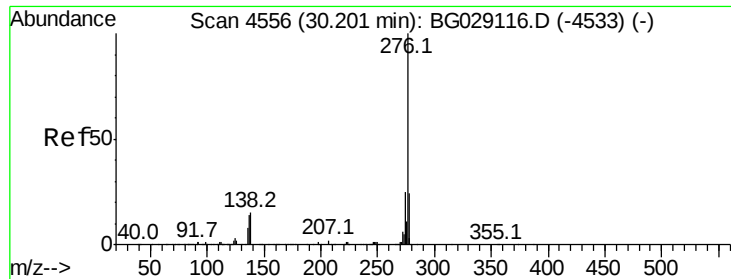


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 1.291 ng/ul

RT: 30.23 min Scan# 4560

Delta R.T. 0.03 min

Lab File: BG029128.D

Acq: 10 Oct 2017 4:38

Instrument :

BNA_G

ClientSampleId :

DAHB2

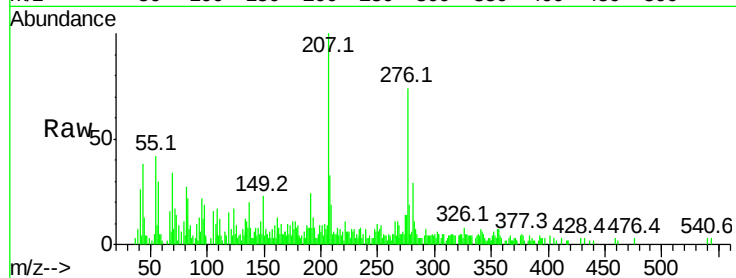
Tot Ion:276 Resp: 29909

Ion Ratio Lower Upper

276 100

138 10.2 15.3 22.9#

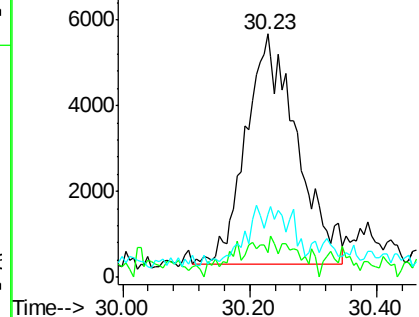
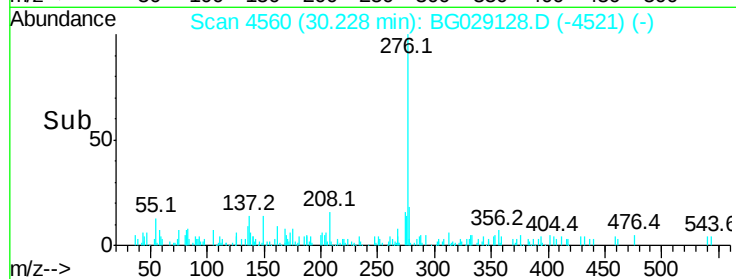
277 26.1 19.0 28.4



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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029128.D
 Acq On : 10 Oct 2017 4:38
 Operator : SJ/JU
 Sample : I5578-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAHB2

Quant Time: Oct 10 07:11:24 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	63189	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	269266	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	178651	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	393004	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	409153	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	426065	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.53	160	532222	28.64	ng/ul	0.00
10) Fluorene-d10	15.81	176	394566	29.28	ng/ul	0.00
14) Anthracene-d10	17.66	188	569542	29.92	ng/ul	0.00
18) Pyrene-d10	19.94	212	654166	31.25	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.97	264	625540	30.65	ng/ul	0.02
Target Compounds				Ovalue		
13) Phenanthrene	17.61	178	36516	1.742	ng/ul	100
16) Fluoranthene	19.60	202	79354	3.229	ng/ul#	92
19) Pyrene	19.97	202	67194	2.635	ng/ul#	89
20) Benzo(a)anthracene	21.83	228	41972	1.742	ng/ul	93
21) Chrysene	21.89	228	57371	2.600	ng/ul	95
23) Benzo(b)fluoranthene	24.13	252	80273	3.149	ng/ul	94
26) Benzo(a)pyrene	25.04	252	48392	1.955	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	29.04	276	33560	1.194	ng/ul#	93
29) Benzo(g,h,i)perylene	30.23	276	29909	1.291	ng/ul#	88

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