

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029126.D
 Acq On : 10 Oct 2017 3:18
 Operator : SJ/JU
 Sample : I5576-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAHA1

Quant Time: Oct 10 06:36:53 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	57268	20.00	ng/ul	0.00
2) Naphthalene-d8	11.04	136	243447	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	159233	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	370972	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	384730	20.00	ng/ul	0.00
22) Perylene-d12	25.20	264	401276	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.53	160	572069	34.54	ng/ul	0.00
10) Fluorene-d10	15.81	176	435527	36.26	ng/ul	0.00
14) Anthracene-d10	17.67	188	627068	34.90	ng/ul	0.00
18) Pyrene-d10	19.94	212	723345	36.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.97	264	700914	36.46	ng/ul	0.02

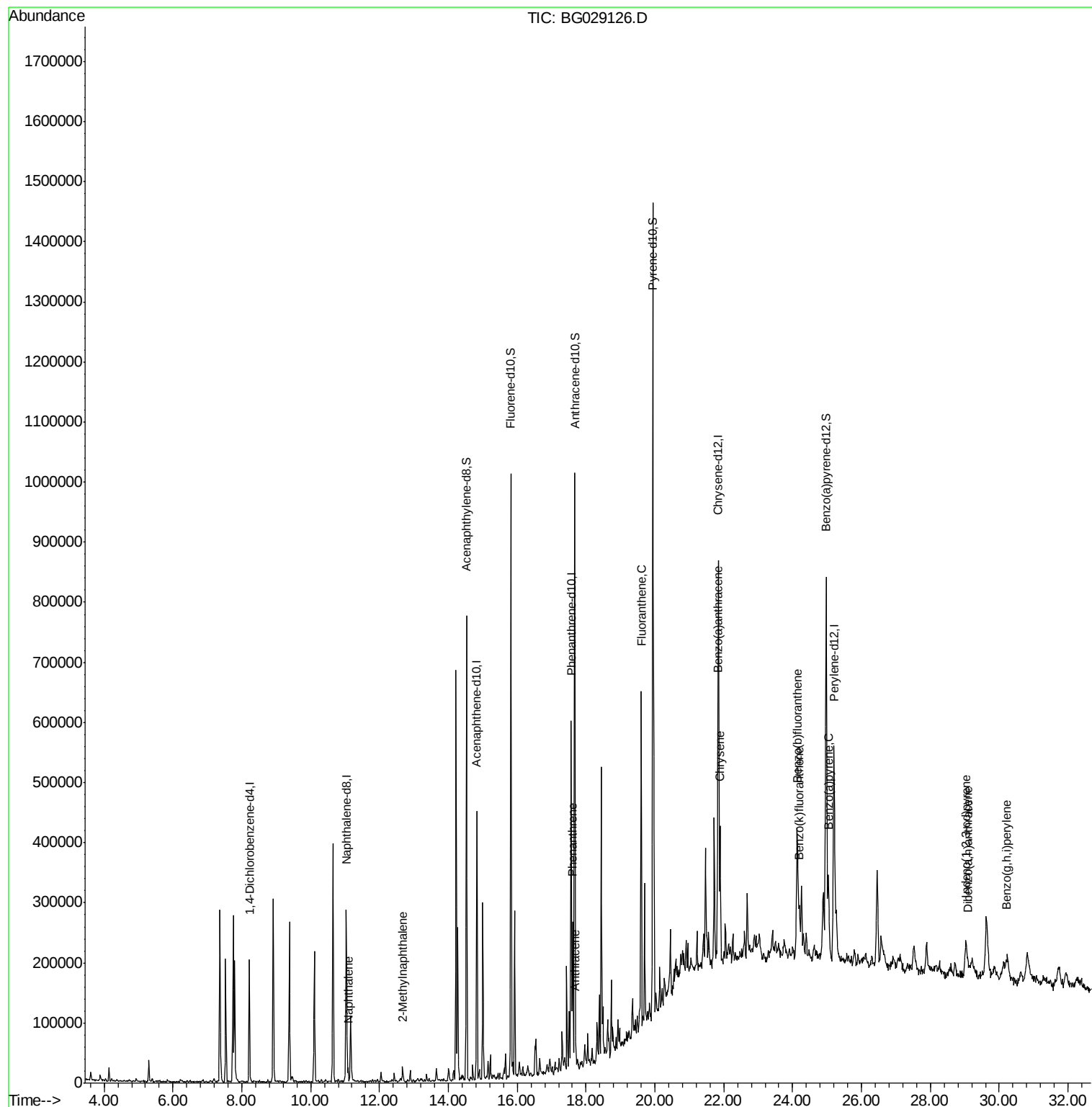
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.08	128	18118	1.430	ng/ul#	93
4) 2-Methylnaphthalene	12.67	142	12404	1.290	ng/ul	90
13) Phenanthrene	17.61	178	158506	8.010	ng/ul	99
15) Anthracene	17.70	178	22687	1.121	ng/ul	98
16) Fluoranthene	19.60	202	311883	13.446	ng/ul#	91
20) Benzo(a)anthracene	21.82	228	166426	7.345	ng/ul	99
21) Chrysene	21.89	228	172175	8.299	ng/ul	94
23) Benzo(b)fluoranthene	24.14	252	267729	11.153	ng/ul#	96
24) Benzo(k)fluoranthene	24.19	252	95161	4.062	ng/ul#	97
26) Benzo(a)pyrene	25.04	252	170649	7.319	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	29.04	276	121448	4.589	ng/ul#	94
28) Dibenzo(a,h)anthracene	29.09	278	30537	1.394	ng/ul	96
29) Benzo(a,h,i)perylene	30.23	276	102437	4.694	ng/ul#	92

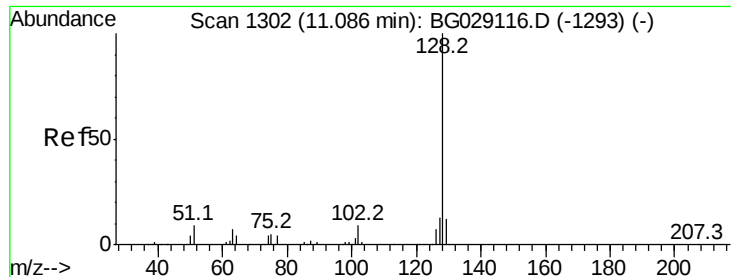
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.430 ng/ul

RT: 11.08 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

Instrument :

BNA_G

ClientSampleId :

DAHA1

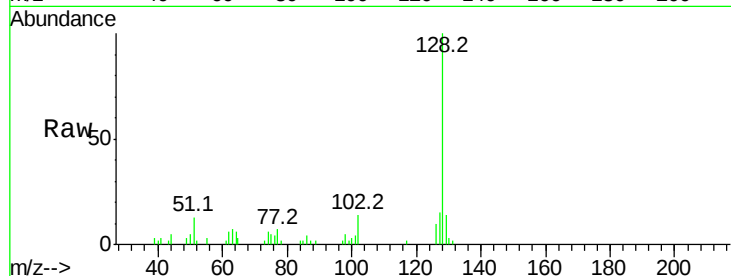
Tot Ion:128 Resp: 18118

Ion Ratio Lower Upper

128 100

129 14.1 8.7 13.1#

127 15.4 10.6 16.0

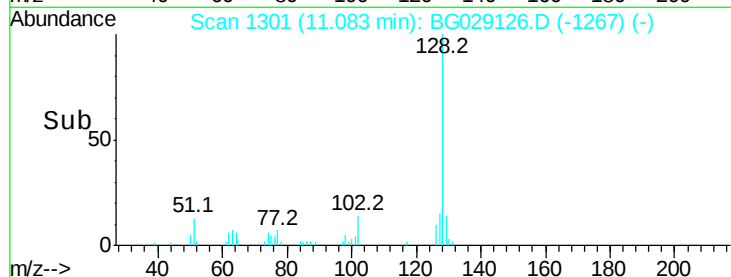


Abundance Ion 128.00 (127.70 to 128.70): E

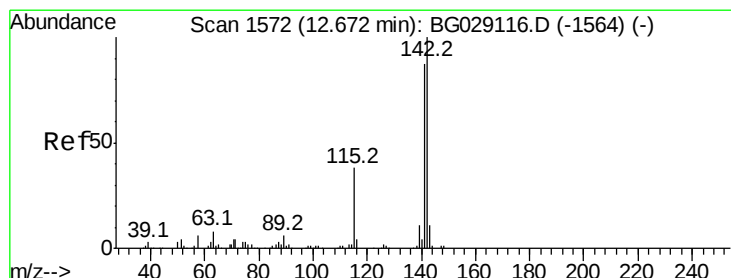
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

11.08



Time-->



#4

2-Methylnaphthalene

Concen: 1.290 ng/ul

RT: 12.67 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BG029126.D

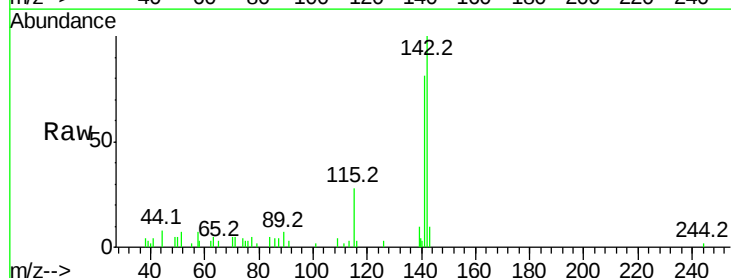
Acq: 10 Oct 2017 3:18

Tgt Ion:142 Resp: 12404

Ion Ratio Lower Upper

142 100

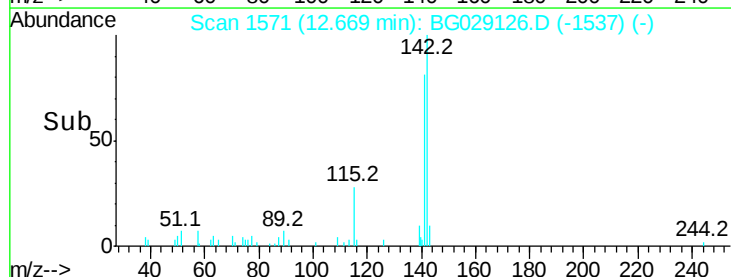
141 81.1 72.7 109.1



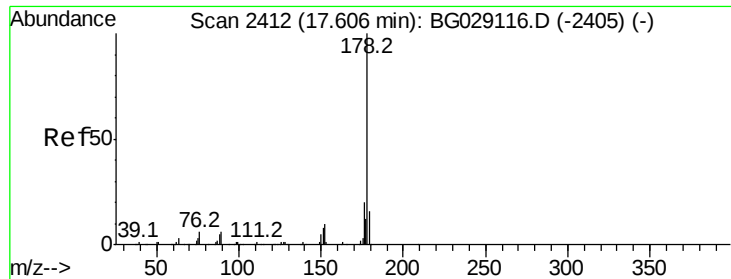
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.67



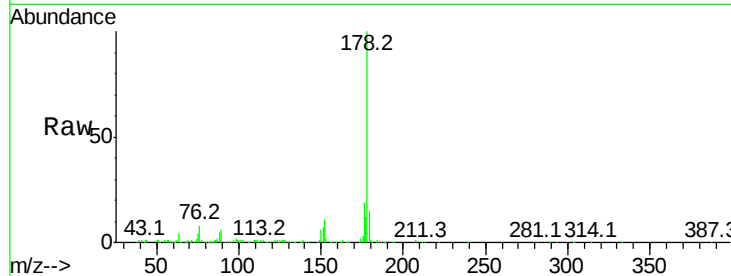
Time-->



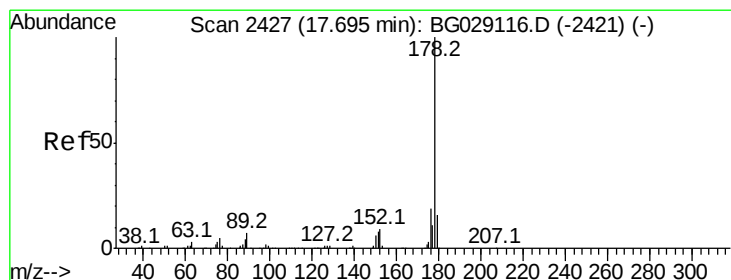
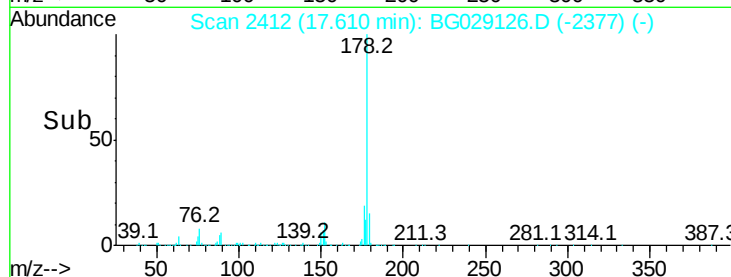
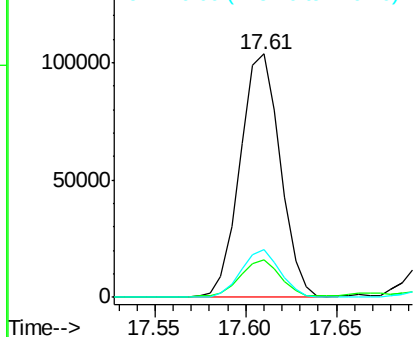
#13
Phenanthrene
Concen: 8.010 ng/ul
RT: 17.61 min Scan# 2412
Delta R.T. 0.00 min
Lab File: BG029126.D
Acq: 10 Oct 2017 3:18

Instrument :
BNA_G
ClientSampleId :
DAHA1

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.4	15.1	22.7

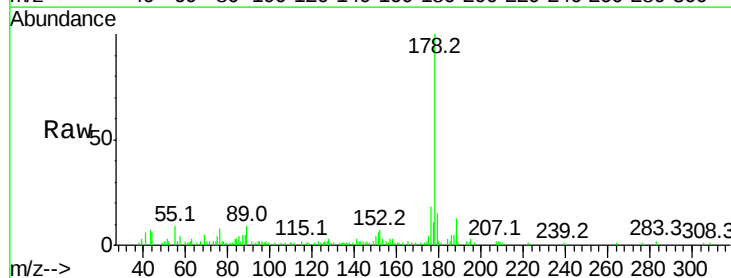


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

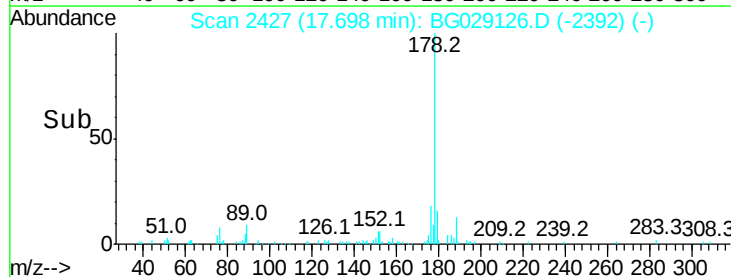
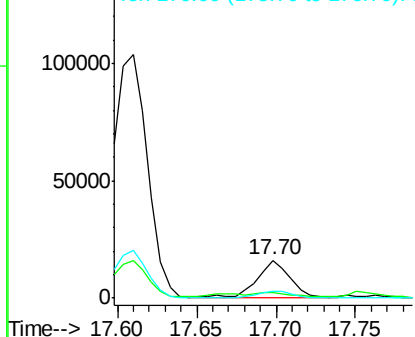


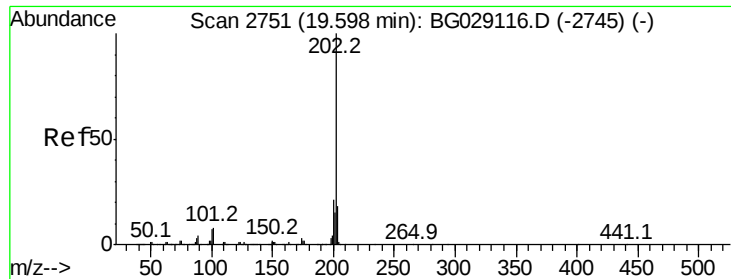
#15
Anthracene
Concen: 1.121 ng/ul
RT: 17.70 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BG029126.D
Acq: 10 Oct 2017 3:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.8	17.8
176	17.8	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

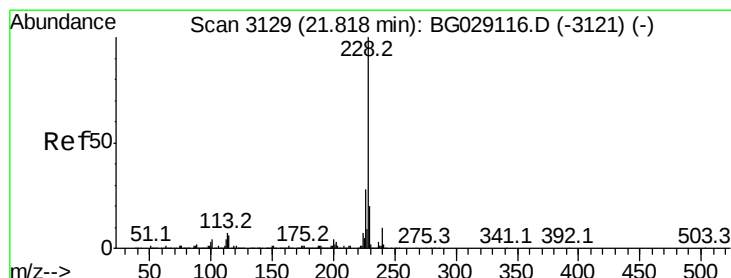
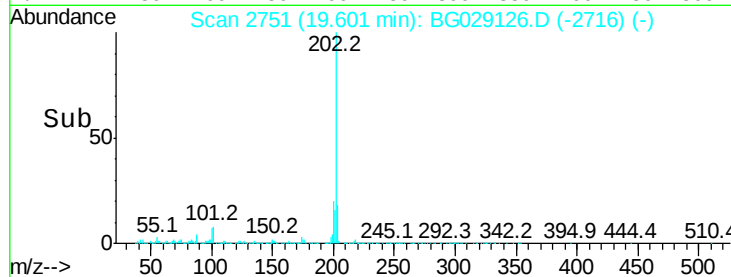
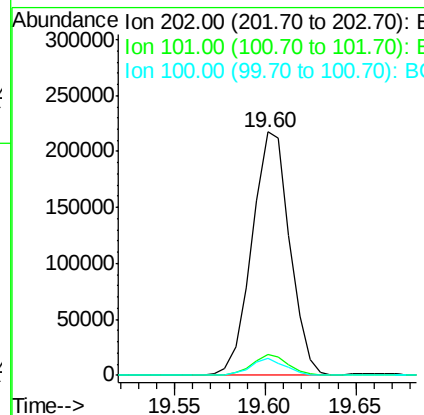
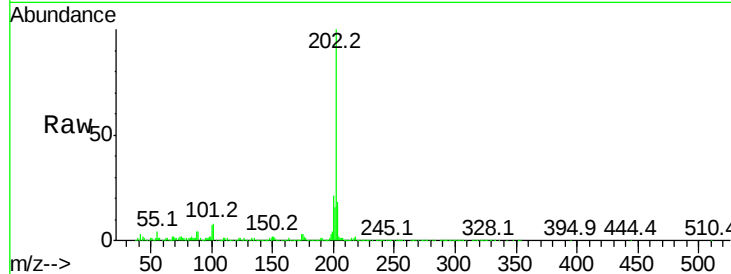




#16
 Fluoranthene
 Concen: 13.446 ng/ul
 RT: 19.60 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: BG029126.D
 Acq: 10 Oct 2017 3:18

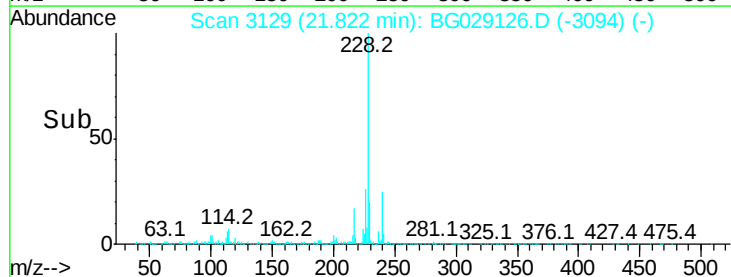
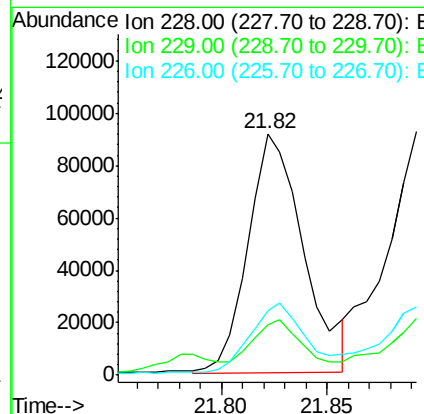
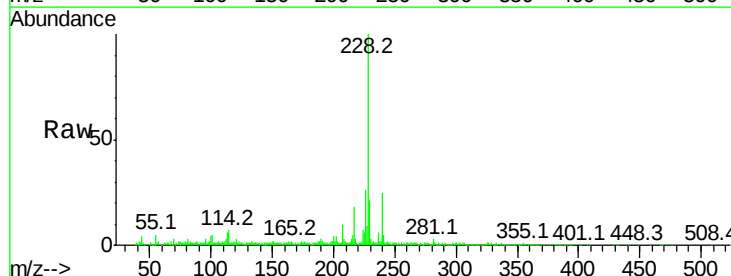
Instrument :
 BNA_G
 ClientSampleID :
 DAHA1

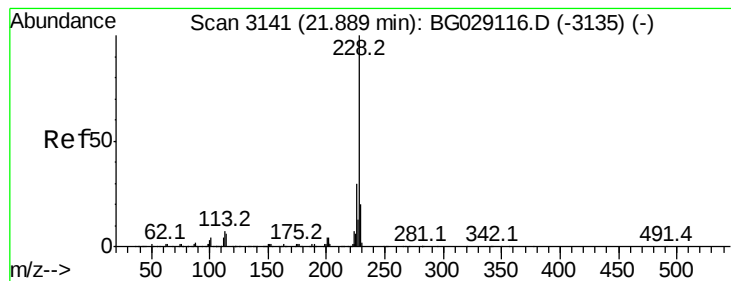
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	9.9	14.9#
100	6.8	7.4	11.0#



#20
 Benzo(a)anthracene
 Concen: 7.345 ng/ul
 RT: 21.82 min Scan# 3129
 Delta R.T. 0.00 min
 Lab File: BG029126.D
 Acq: 10 Oct 2017 3:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.7	23.5
226	26.4	21.1	31.7





#21

Chrysene

Concen: 8.299 ng/ul

RT: 21.89 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

Instrument :

BNA_G

ClientSampleId :

DAHA1

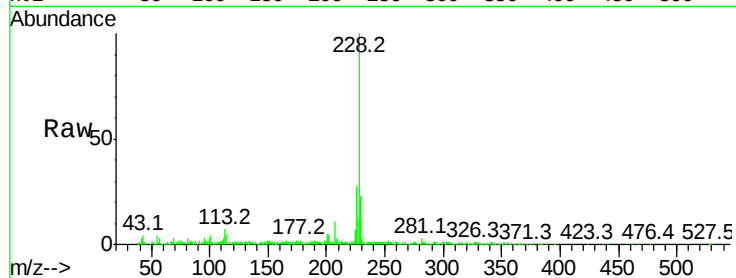
Tot Ion:228 Resp: 172175

Ion Ratio Lower Upper

228 100

226 27.9 24.5 36.7

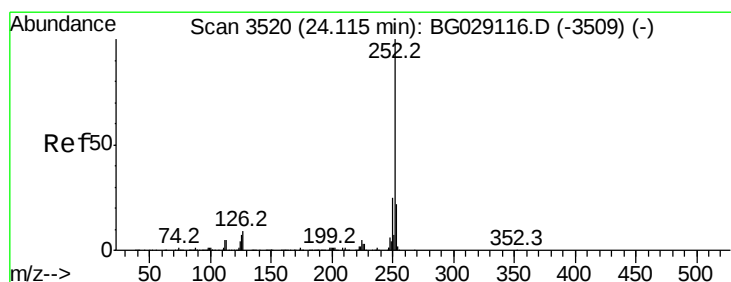
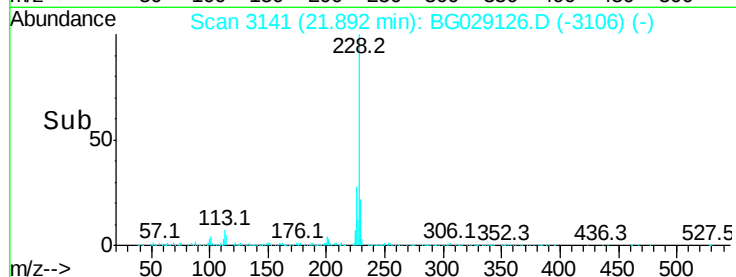
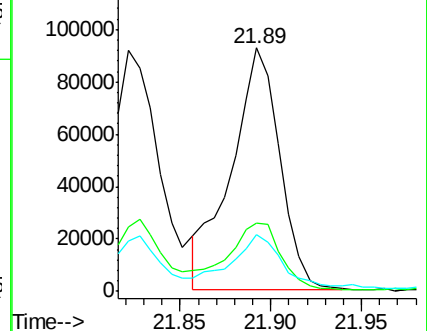
229 23.2 15.8 23.8



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: 11.153 ng/ul

RT: 24.14 min Scan# 3523

Delta R.T. 0.02 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

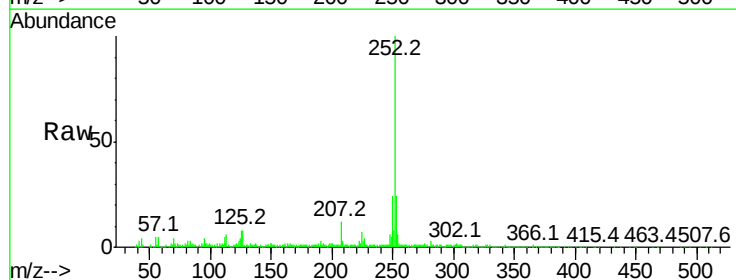
Tgt Ion:252 Resp: 267729

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

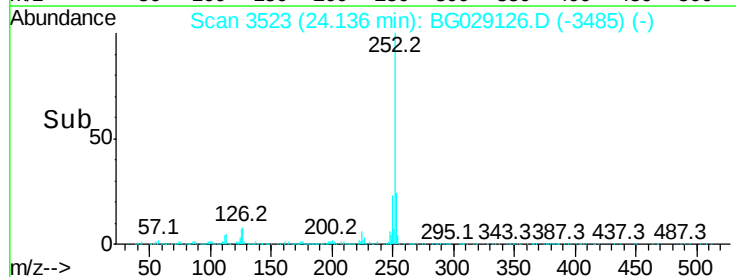
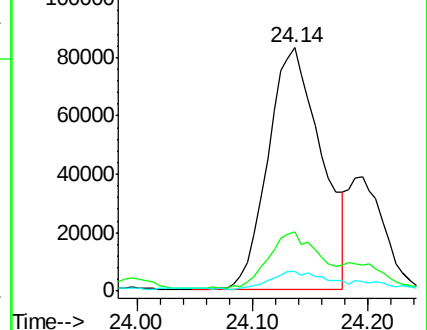
125 8.0 8.0 12.0#

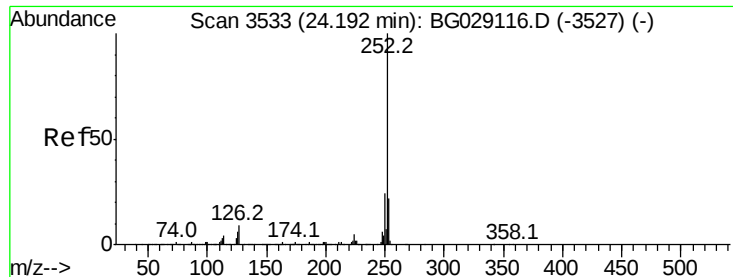


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 4.062 ng/ul

RT: 24.19 min Scan# 3533

Delta R.T. 0.00 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

Instrument :

BNA_G

ClientSampleId :

DAHA1

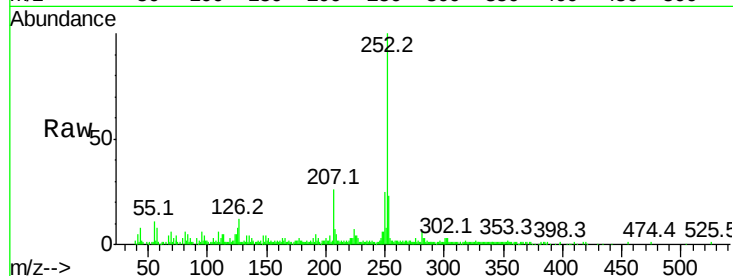
Tot Ion:252 Resp: 95161

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

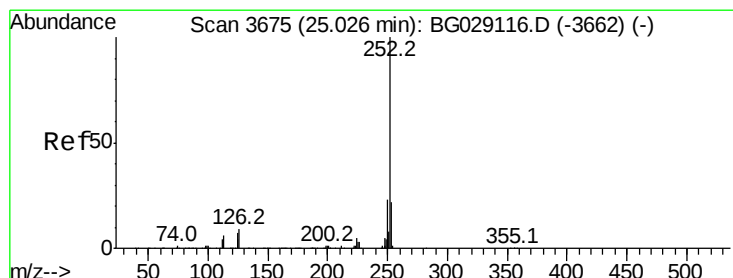
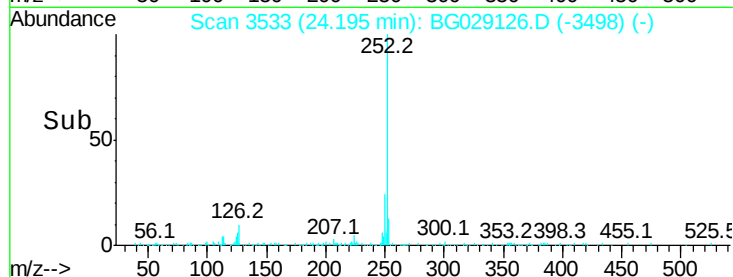
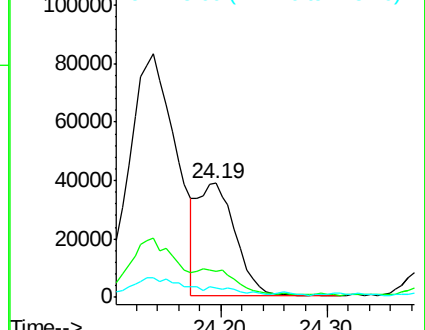
125 7.9 8.1 12.1#



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: 7.319 ng/ul

RT: 25.04 min Scan# 3677

Delta R.T. 0.02 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

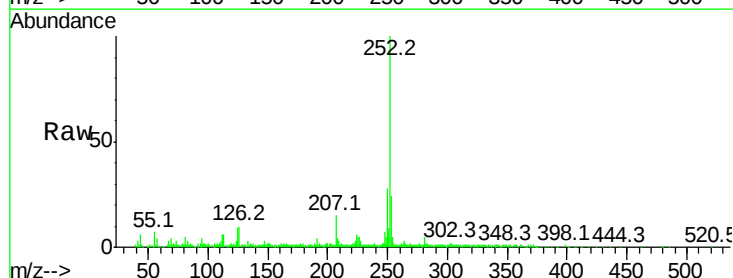
Tgt Ion:252 Resp: 170649

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

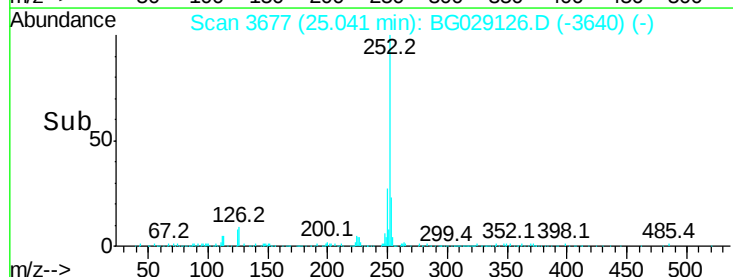
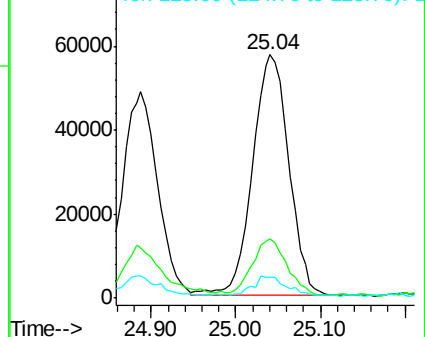
125 8.7 8.2 12.4

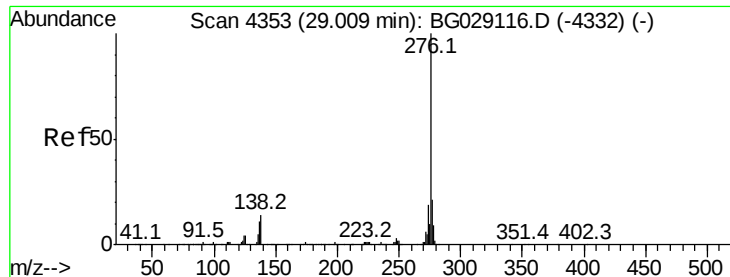


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.589 ng/ul

RT: 29.04 min Scan# 4358

Delta R.T. 0.03 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

Instrument :

BNA_G

ClientSampleId :

DAHA1

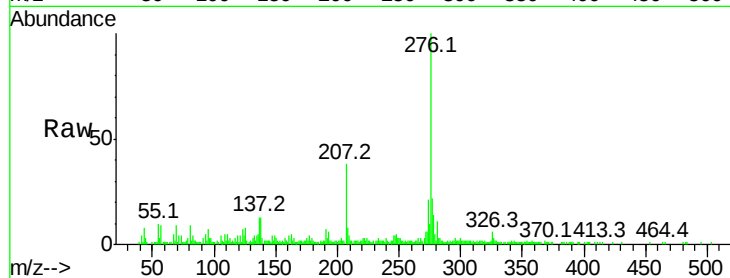
Tot Ion:276 Resp: 121448

Ion Ratio Lower Upper

276 100

138 12.7 14.4 21.6#

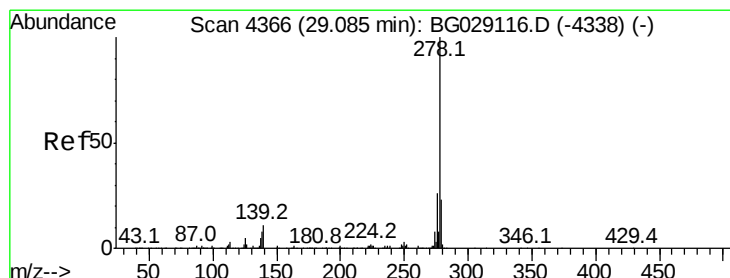
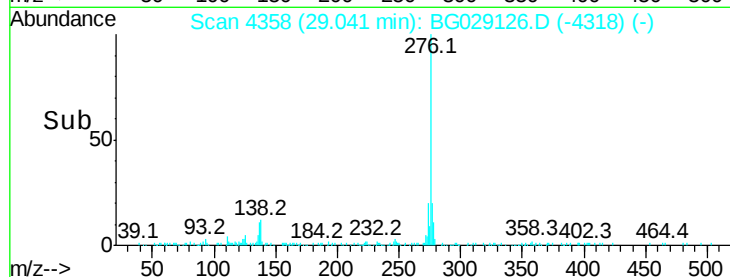
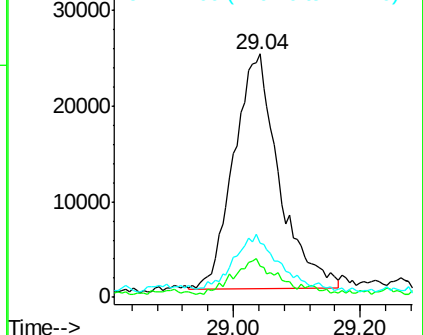
277 22.2 18.0 27.0



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: 1.394 ng/ul

RT: 29.09 min Scan# 4366

Delta R.T. 0.00 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

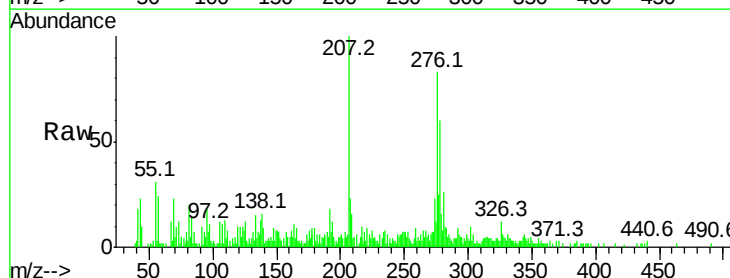
Tgt Ion:278 Resp: 30537

Ion Ratio Lower Upper

278 100

139 14.9 12.2 18.4

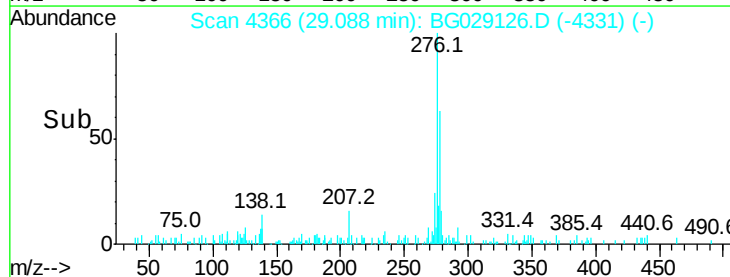
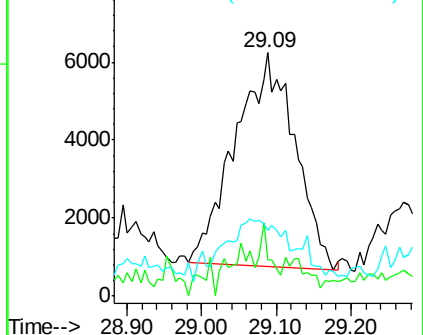
279 27.2 19.2 28.8

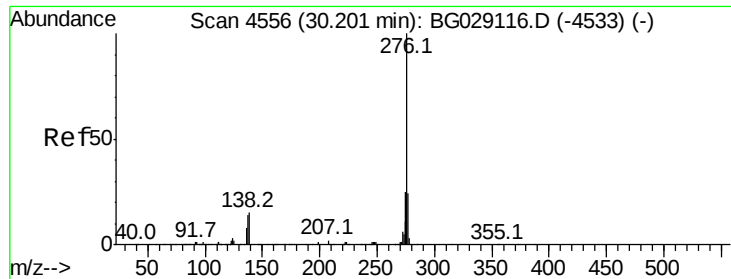


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(a,h,i)perylene

Concen: 4.694 ng/ul

RT: 30.23 min Scan# 4560

Delta R.T. 0.03 min

Lab File: BG029126.D

Acq: 10 Oct 2017 3:18

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DAHA1

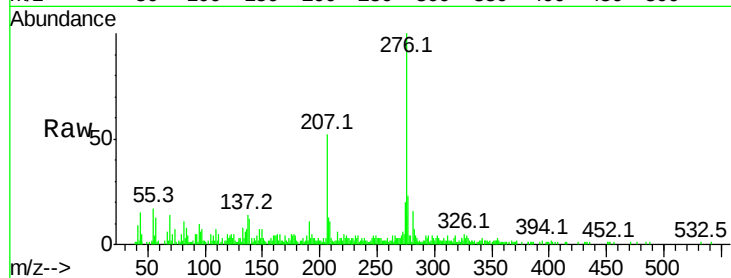
Tot Ion:276 Resp: 102437

Ion Ratio Lower Upper

276 100

138 11.7 15.3 22.9#

277 22.9 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

