

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101017\
 Data File : BG029143.D
 Acq On : 10 Oct 2017 16:23
 Operator : SJ/JU
 Sample : I5577-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAH92

Quant Time: Oct 11 04:17:55 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 04:15:46 2017
 Response via : Initial Calibration

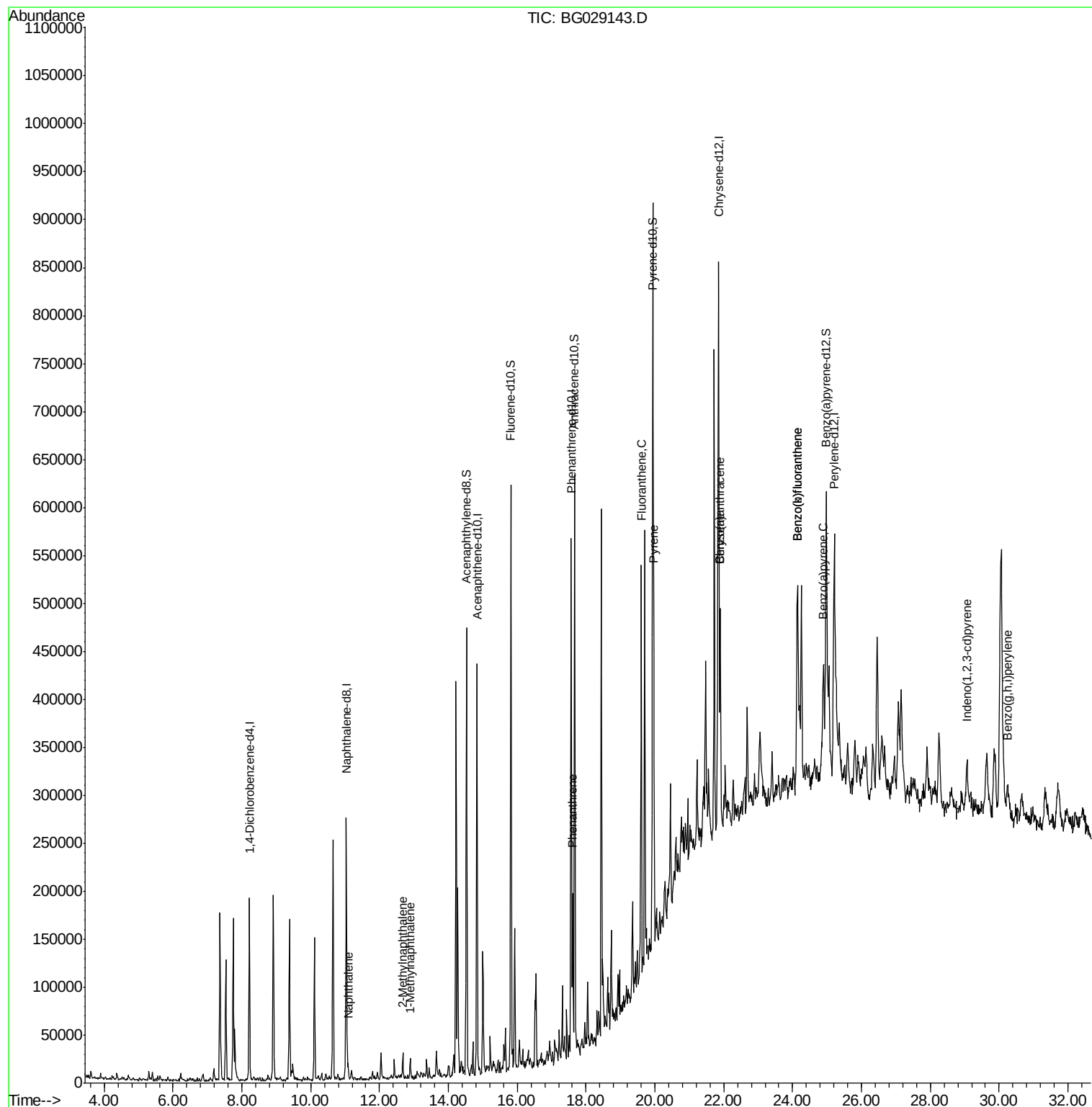
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	53087	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	223745	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.83	164	148720	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.57	188	324705	20.00	ng/ul	0.00
17) Chrysene-d12	21.85	240	339334	20.00	ng/ul	0.00
22) Perylene-d12	25.21	264	325841	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	339991	21.98	ng/ul	0.00
10) Fluorene-d10	15.82	176	251744	22.44	ng/ul	0.00
14) Anthracene-d10	17.67	188	368648	23.44	ng/ul	0.00
18) Pyrene-d10	19.93	212	411669	23.71	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.98	264	370930	23.76	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.09	128	13304	1.142	ng/ul	98
4) 2-Methylnaphthalene	12.68	142	11790	1.334	ng/ul	83
5) 1-Methylnaphthalene	12.89	142	10285	1.219	ng/ul	87
13) Phenanthrene	17.61	178	109087	6.298	ng/ul	97
16) Fluoranthene	19.60	202	257847	12.700	ng/ul#	89
19) Pyrene	19.96	202	219864	10.394	ng/ul#	91
20) Benzo(a)anthracene	21.90	228	188032	9.409	ng/ul	93
21) Chrysene	21.90	228	188032	10.276	ng/ul	98
23) Benzo(b)fluoranthene	24.14	252	261927	13.437	ng/ul#	95
24) Benzo(k)fluoranthene	24.14	252	274409	14.424	ng/ul#	95
26) Benzo(a)pyrene	24.90	252	101105	5.340	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	29.06	276	97527	4.539	ng/ul#	91
29) Benzo(a,h,i)perylene	30.26	276	76786	4.333	ng/ul#	91

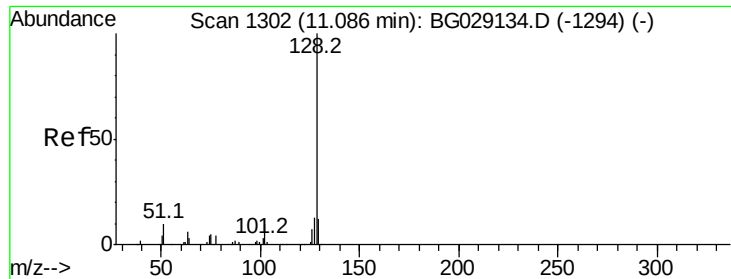
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.142 ng/ul

RT: 11.09 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

Instrument :

BNA_G

ClientSampleId :

DAH92

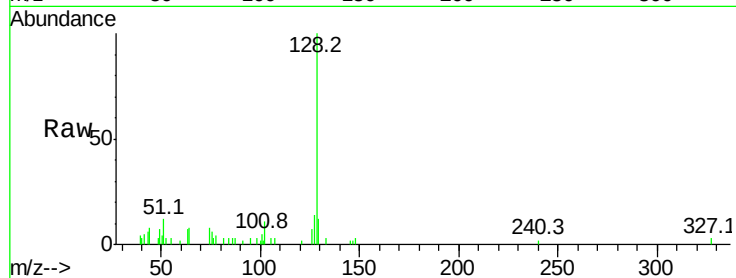
Tot Ion:128 Resp: 13304

Ion Ratio Lower Upper

128 100

129 12.1 8.7 13.1

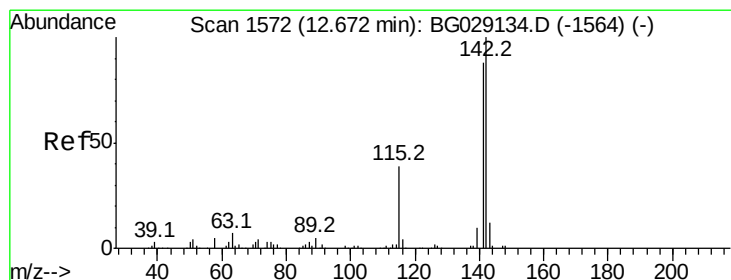
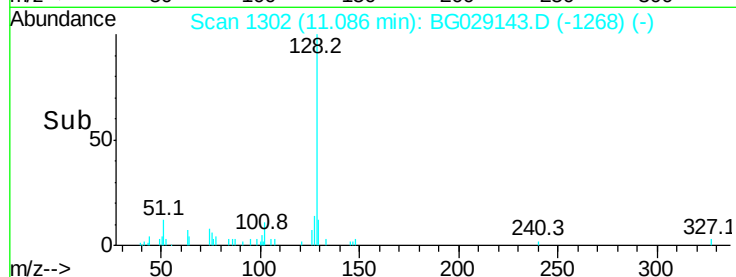
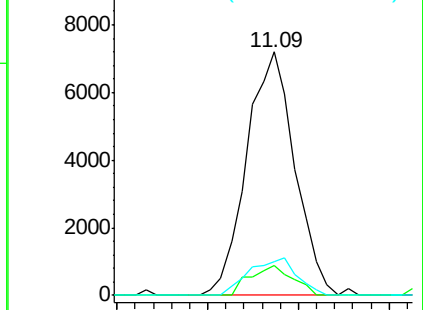
127 13.8 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 1.334 ng/ul

RT: 12.68 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BG029143.D

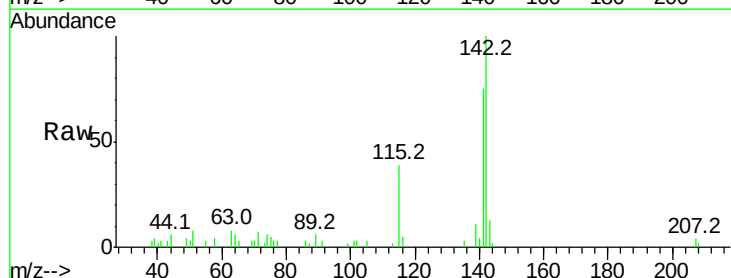
Acq: 10 Oct 2017 16:23

Tgt Ion:142 Resp: 11790

Ion Ratio Lower Upper

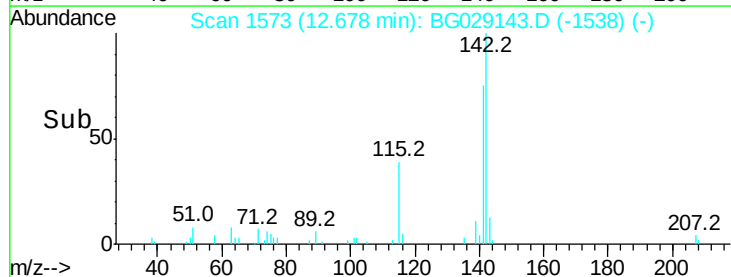
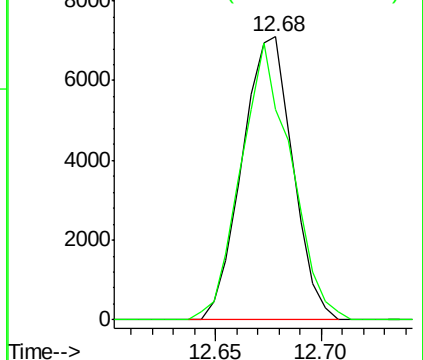
142 100

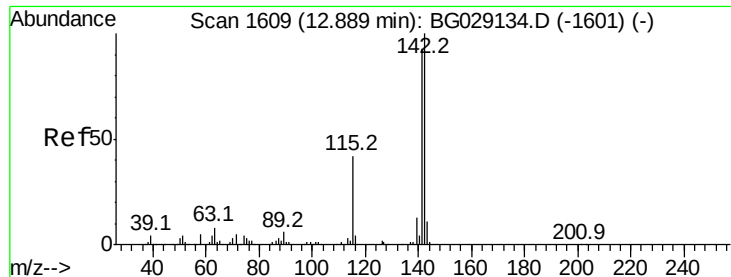
141 74.5 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.219 ng/ul

RT: 12.89 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

Instrument :

BNA_G

ClientSampleId :

DAH92

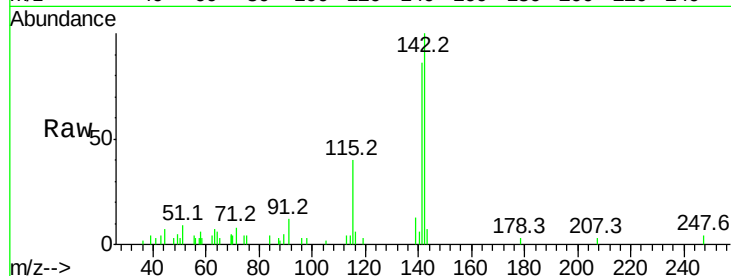
Tot Ion:142 Resp: 10285

Ion Ratio Lower Upper

142 100

141 85.8 79.3 118.9

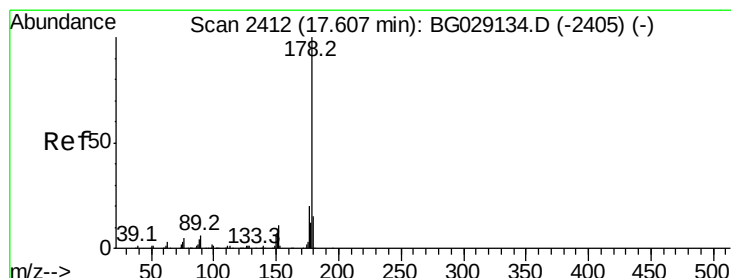
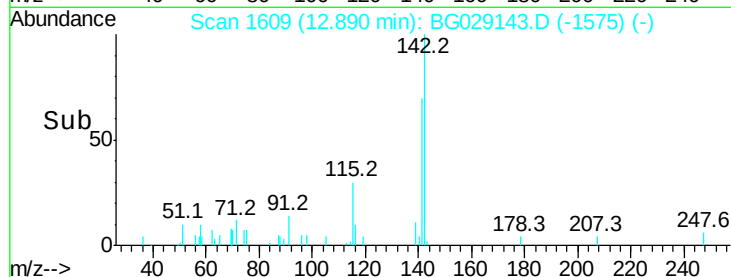
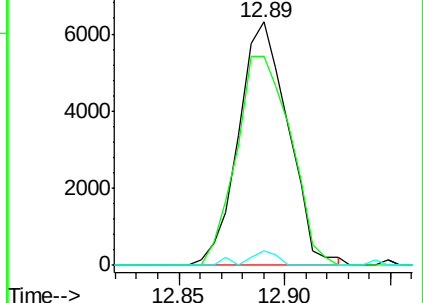
116 5.8 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#13

Phenanthrene

Concen: 6.298 ng/ul

RT: 17.61 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

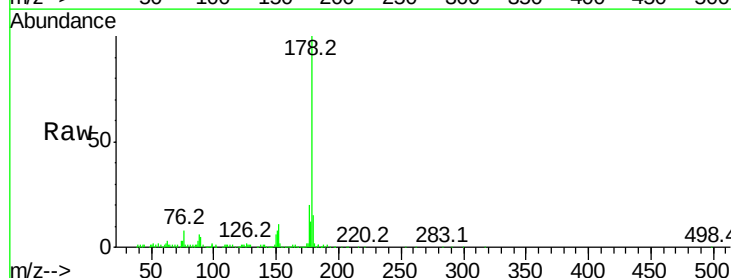
Tgt Ion:178 Resp: 109087

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

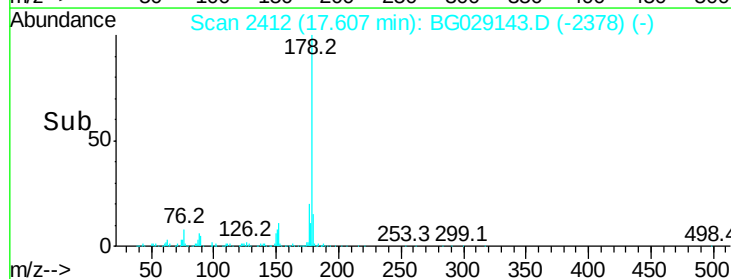
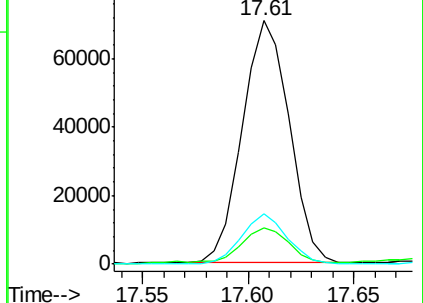
176 20.4 15.1 22.7

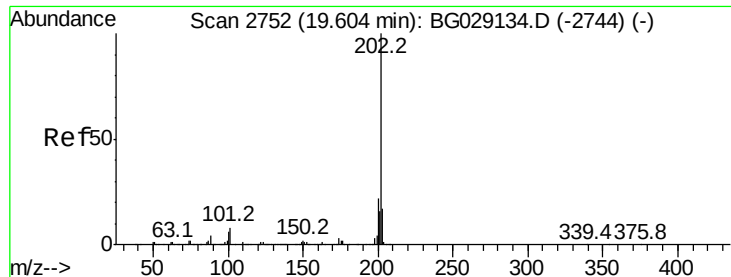


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 12.700 ng/ul

RT: 19.60 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

Instrument :

BNA_G

ClientSampleId :

DAH92

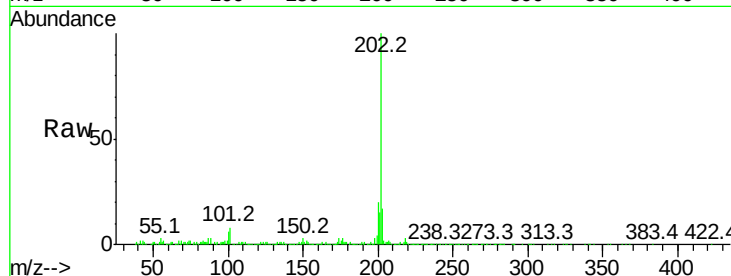
Tot Ion:202 Resp: 257847

Ion Ratio Lower Upper

202 100

101 7.6 9.9 14.9#

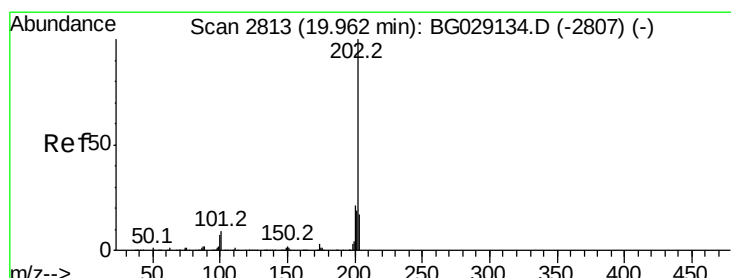
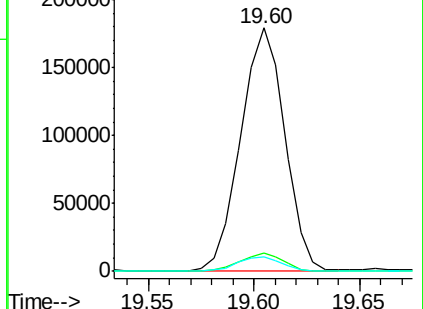
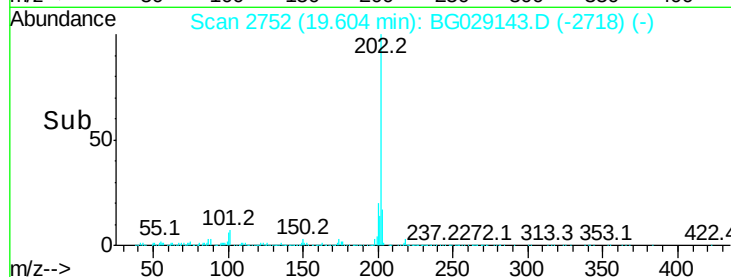
100 5.8 7.4 11.0#



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): B



#19

Pyrene

Concen: 10.394 ng/ul

RT: 19.96 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

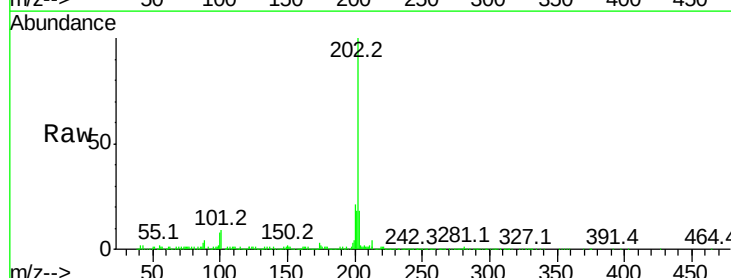
Tgt Ion:202 Resp: 219864

Ion Ratio Lower Upper

202 100

101 8.6 11.0 16.4#

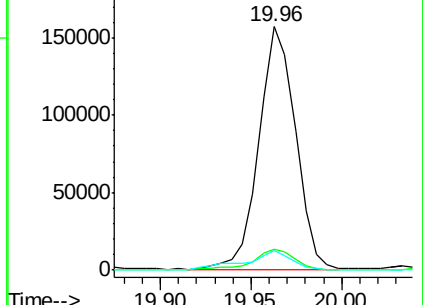
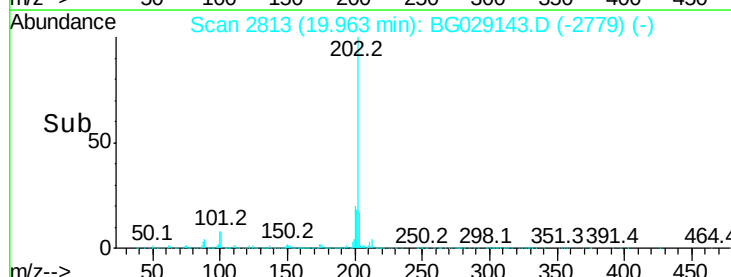
100 8.3 8.1 12.1

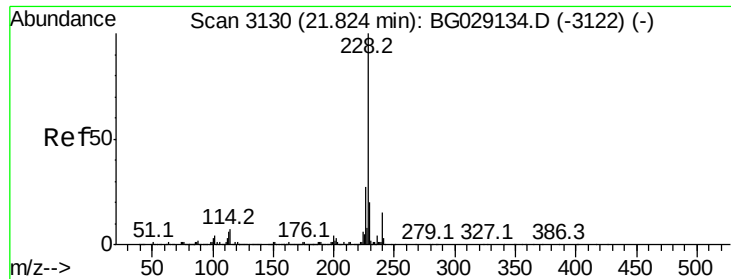


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 9.409 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. 0.07 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

Instrument :

BNA_G

ClientSampleId :

DAH92

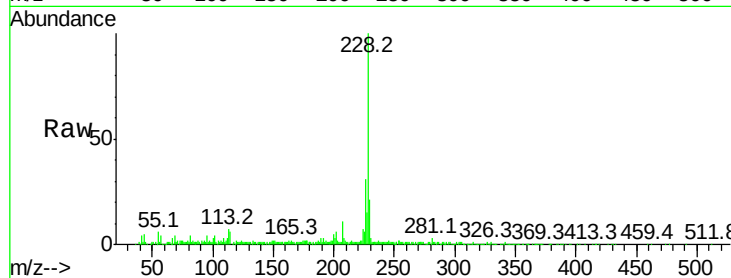
Tot Ion:228 Resp: 188032

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

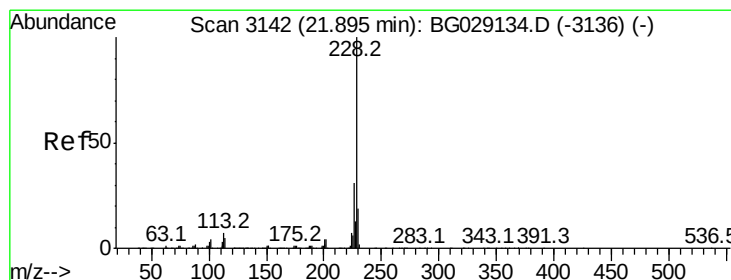
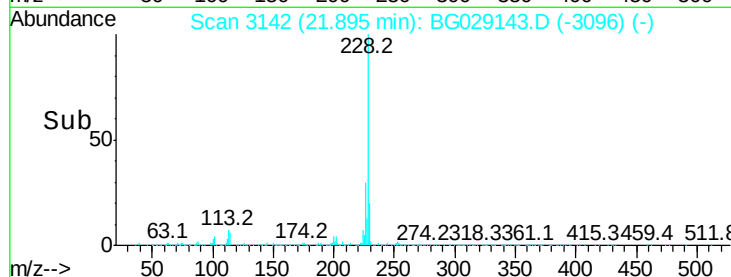
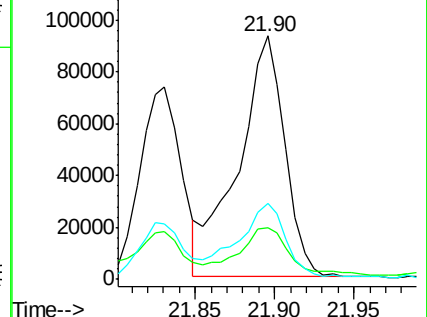
226 31.1 21.1 31.7



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: 10.276 ng/ul

RT: 21.90 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

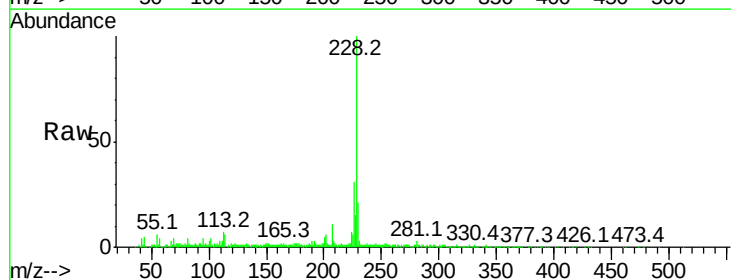
Tgt Ion:228 Resp: 188032

Ion Ratio Lower Upper

228 100

226 31.1 24.5 36.7

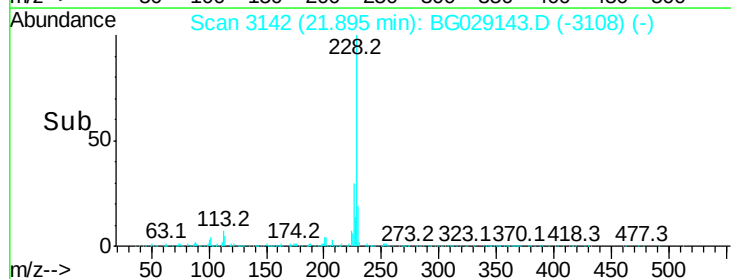
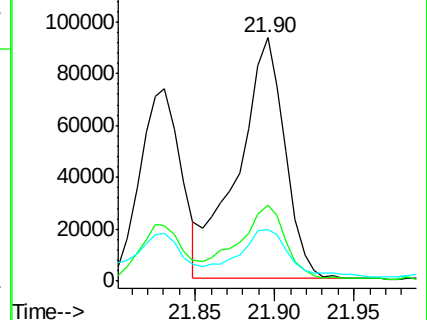
229 21.1 15.8 23.8

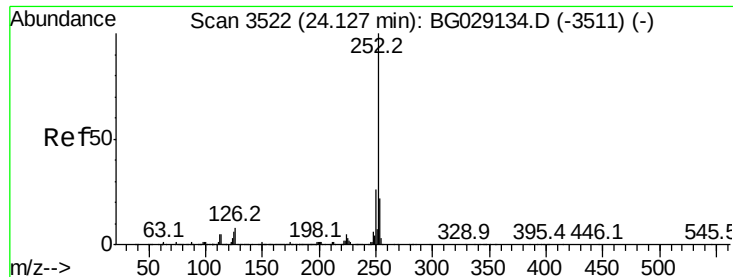


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 13.437 ng/ul

RT: 24.14 min Scan# 3524

Delta R.T. 0.01 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

Instrument :

BNA_G

ClientSampleId :

DAH92

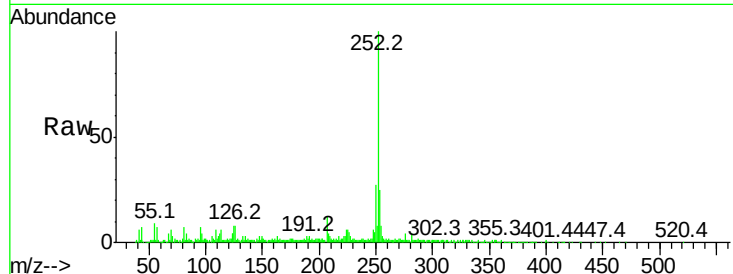
Tot Ion:252 Resp: 261927

Ion Ratio Lower Upper

252 100

253 24.5 18.0 27.0

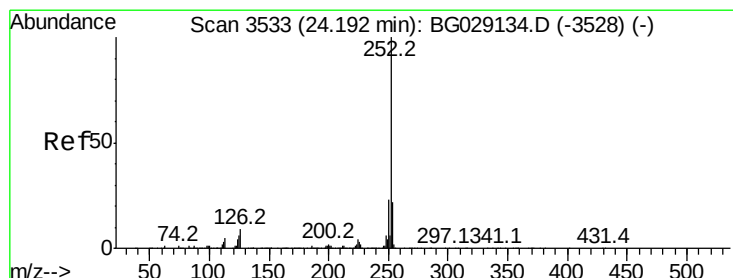
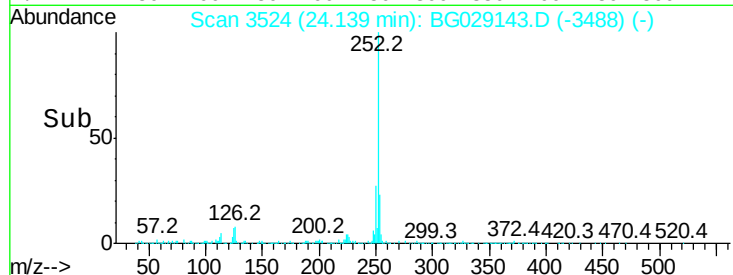
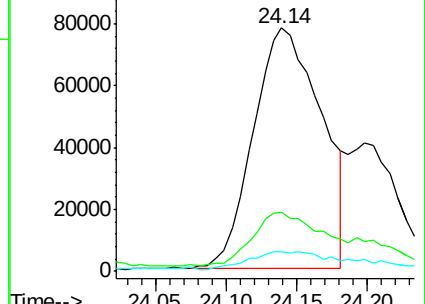
125 8.0 8.0 12.0#



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: 14.424 ng/ul

RT: 24.14 min Scan# 3524

Delta R.T. -0.05 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

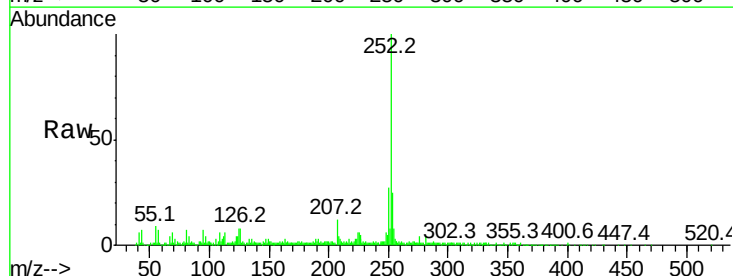
Tgt Ion:252 Resp: 274409

Ion Ratio Lower Upper

252 100

253 24.5 18.0 27.0

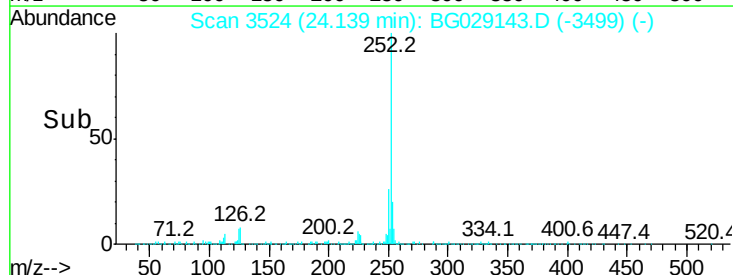
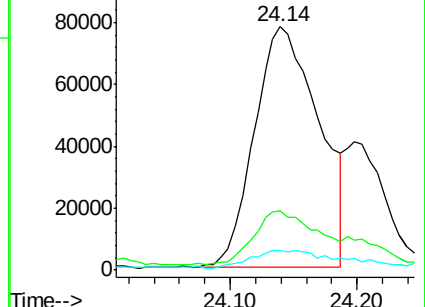
125 8.0 8.1 12.1#

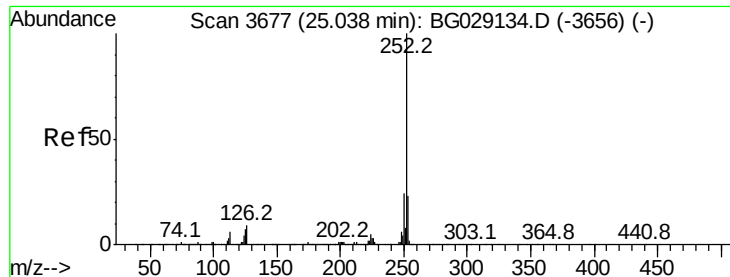


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 5.340 ng/ul

RT: 24.90 min Scan# 3653

Delta R.T. -0.14 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

Instrument :

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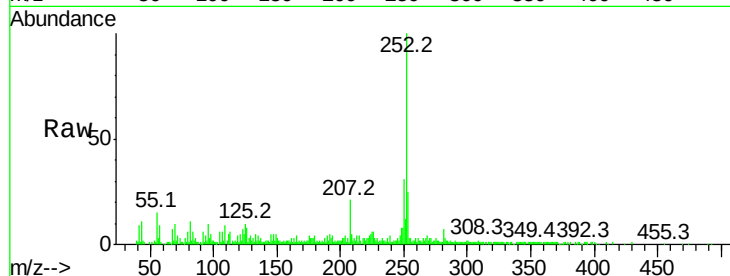
Tot Ion:252 Resp: 101105

Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

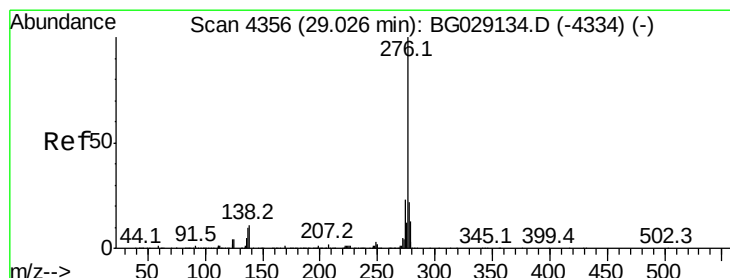
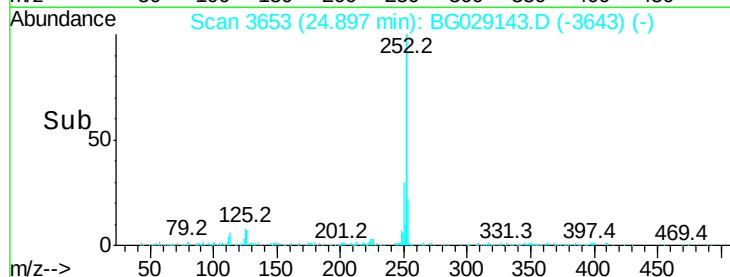
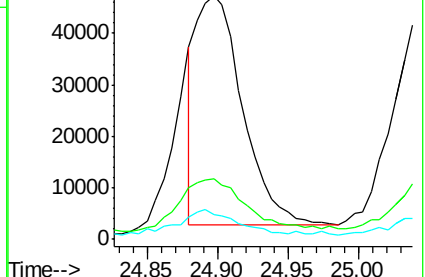
125 10.3 8.2 12.4



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: 4.539 ng/ul

RT: 29.06 min Scan# 4361

Delta R.T. 0.03 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

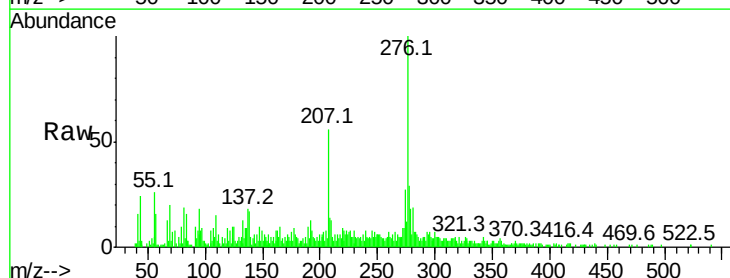
Tgt Ion:276 Resp: 97527

Ion Ratio Lower Upper

276 100

138 16.6 14.4 21.6

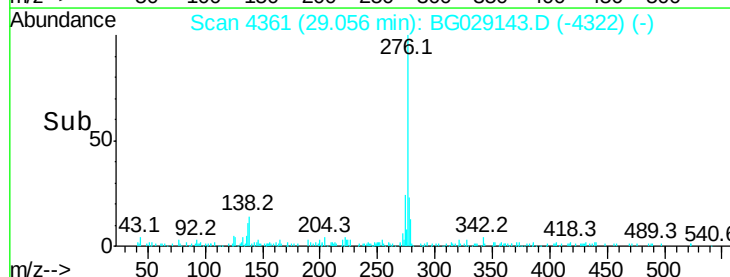
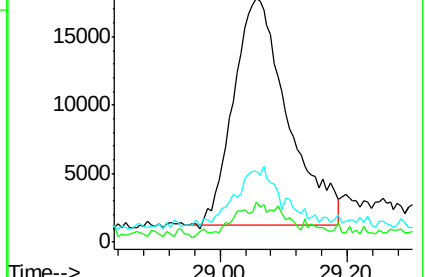
277 28.9 18.0 27.0#

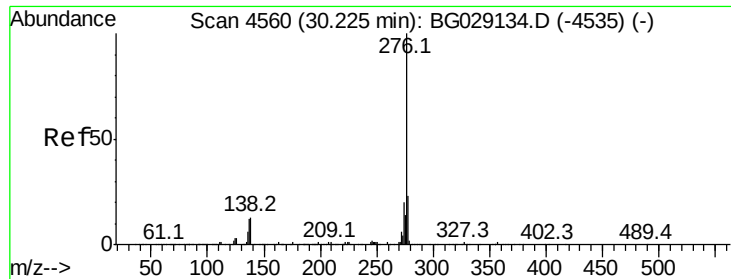


Abundance Ion 276.00 (275.70 to 276.70): E

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: 4.333 ng/ul

RT: 30.26 min Scan# 4566

Delta R.T. 0.04 min

Lab File: BG029143.D

Acq: 10 Oct 2017 16:23

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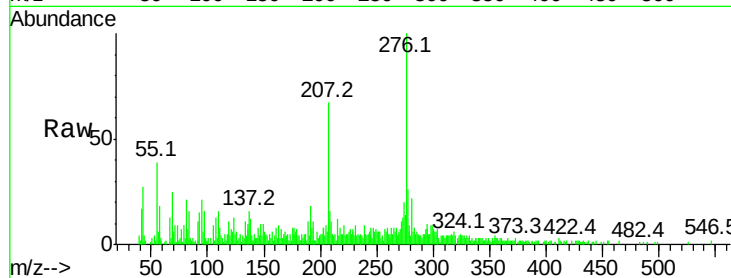
Tot Ion:276 Resp: 76786

Ion Ratio Lower Upper

276 100

138 12.3 15.3 22.9#

277 25.7 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

