

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
 Data File : BG026250.D
 Acq On : 16 Mar 2017 1:35
 Operator : SJ/MA
 Sample : I2236-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DABG3

Quant Time: Mar 16 04:25:39 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 16 04:25:12 2017
 Response via : Initial Calibration

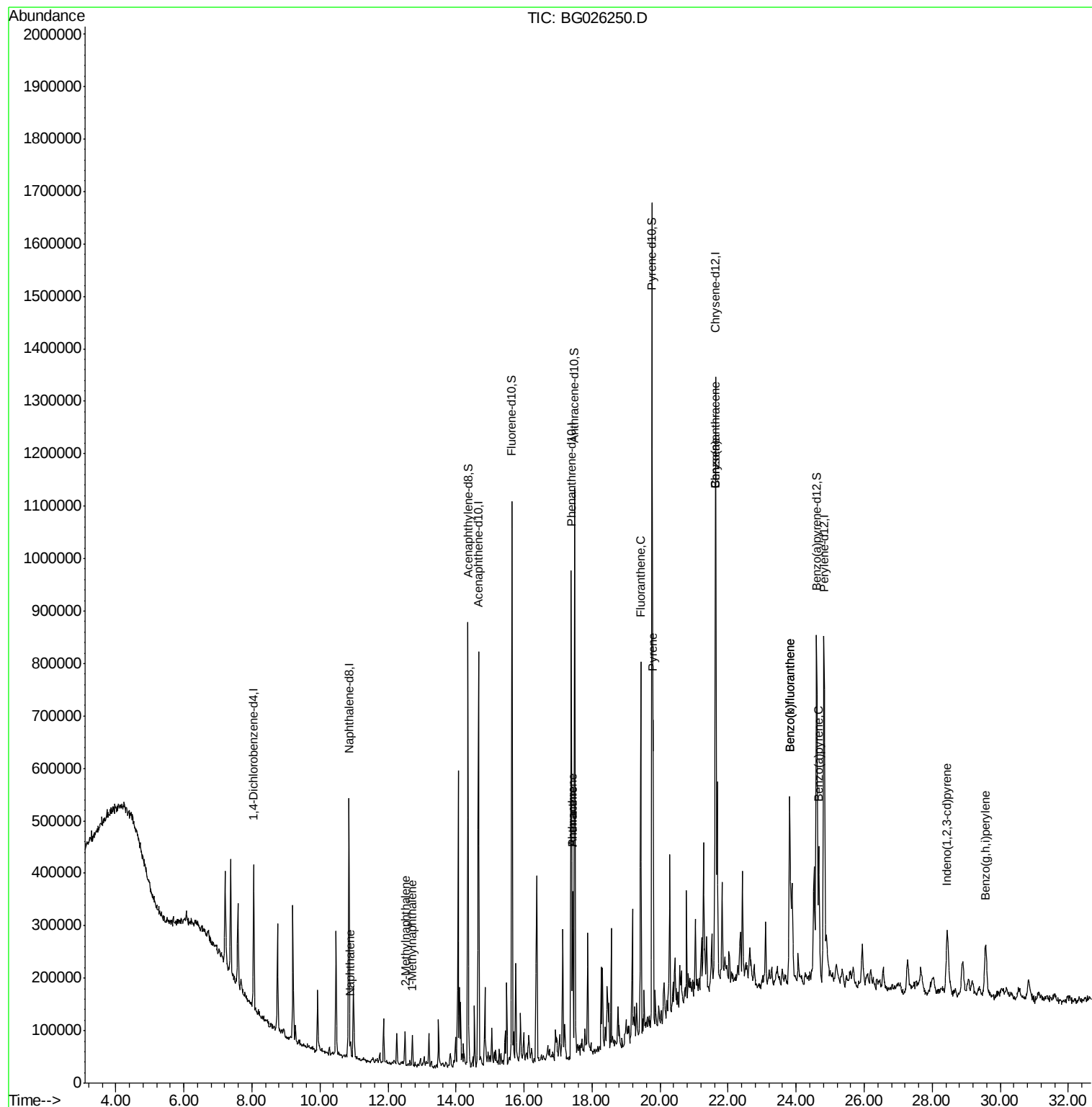
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	76859	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	412121	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	250443	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	555008	20.00	ng/ul	0.00
17) Chrysene-d12	21.63	240	568094	20.00	ng/ul	0.00
22) Perylene-d12	24.82	264	532791	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.35	160	603184	29.08	ng/ul	0.00
10) Fluorene-d10	15.65	176	427688	26.85	ng/ul	0.00
14) Anthracene-d10	17.48	188	611082	24.35	ng/ul	0.00
18) Pyrene-d10	19.76	212	673989	24.62	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	615083	26.09	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.90	128	29323	1.44	ng/ul	98
4) 2-Methylnaphthalene	12.50	142	29602	1.85	ng/ul	96
5) 1-Methylnaphthalene	12.72	142	26947	1.73	ng/ul	90
13) Phenanthrene	17.43	178	194268	6.56	ng/ul	96
15) Anthracene	17.43	178	194402	6.46	ng/ul	96
16) Fluoranthene	19.43	202	404408	12.43	ng/ul	97
19) Pyrene	19.79	202	348279	10.13	ng/ul	96
20) Benzo(a)anthracene	21.62	228	231879	7.26	ng/ul	93
21) Chrysene	21.62	228	228417	7.48	ng/ul	98
23) Benzo(b)fluoranthene	23.81	252	375160	12.19	ng/ul#	92
24) Benzo(k)fluoranthene	23.81	252	375160	12.62	ng/ul#	92
26) Benzo(a)pyrene	24.66	252	227800	7.65	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	28.44	276	180589	5.18	ng/ul#	86
29) Benzo(a,h,i)perylene	29.56	276	95095	3.30	ng/ul#	91

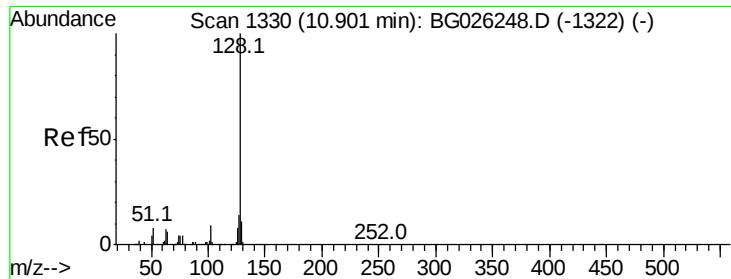
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.44 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

Instrument :

BNA_G

ClientSampleId :

DABG3

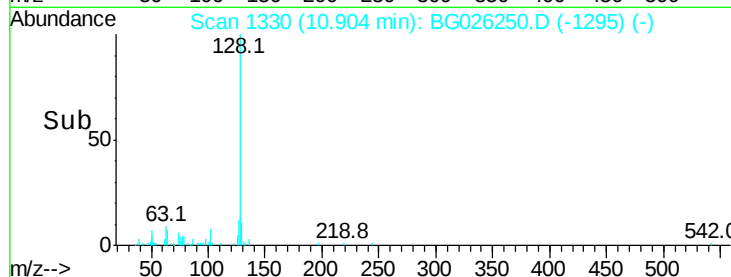
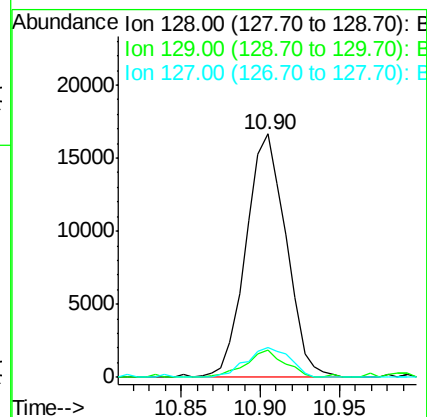
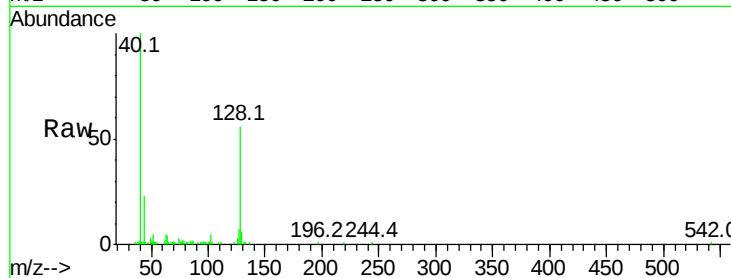
Tot Ion:128 Resp: 29323

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.0 10.6 16.0



#4

2-Methylnaphthalene

Concen: 1.85 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BG026250.D

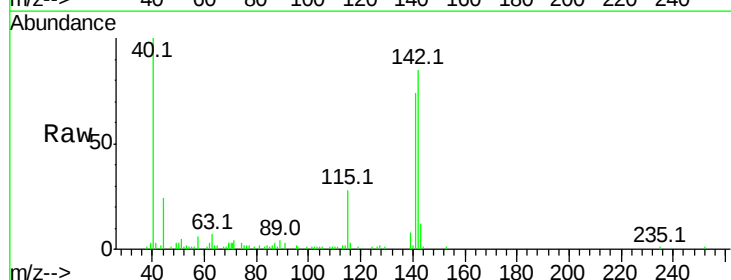
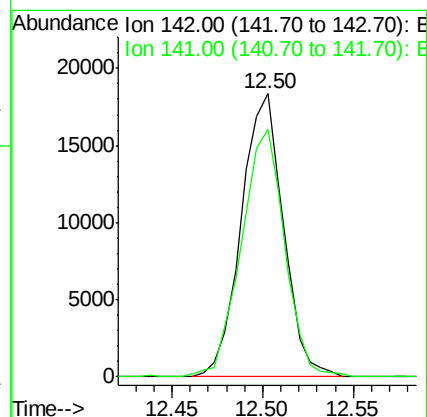
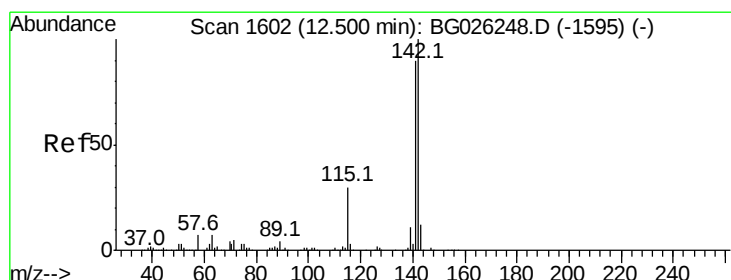
Acq: 16 Mar 2017 1:35

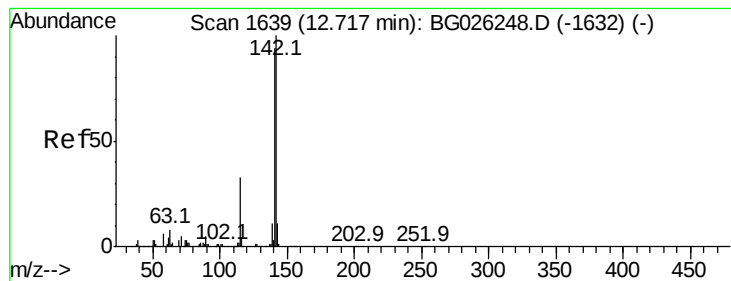
Tgt Ion:142 Resp: 29602

Ion Ratio Lower Upper

142 100

141 87.5 72.7 109.1





#5

1-Methylnaphthalene

Concen: 1.73 ng/ul

RT: 12.72 min Scan# 1639

Delta R.T. 0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

Instrument :

BNA_G

ClientSampleId :

DABG3

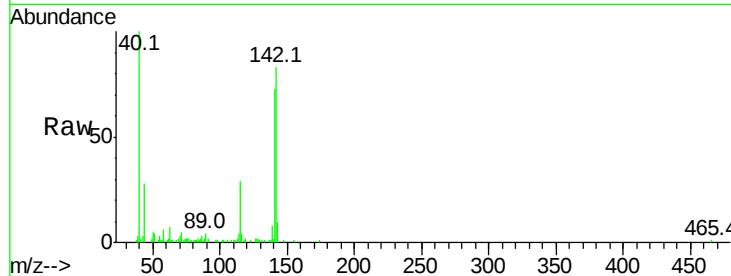
Tot Ion:142 Resp: 26947

Ion Ratio Lower Upper

142 100

141 88.5 79.3 118.9

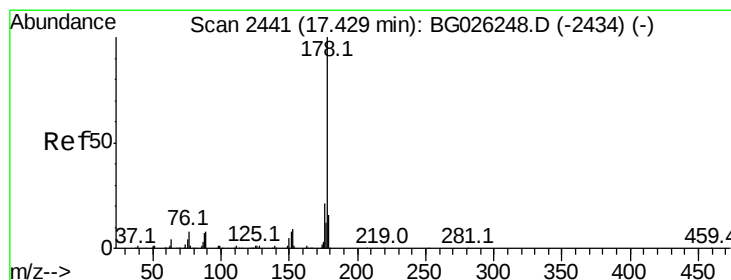
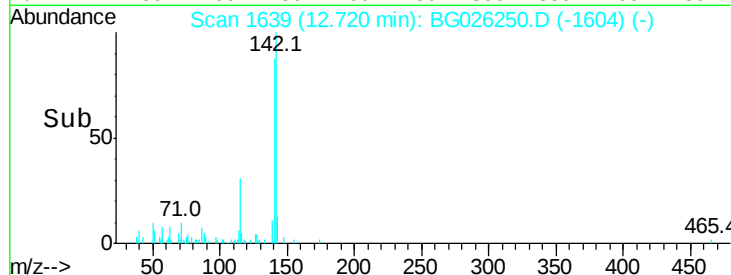
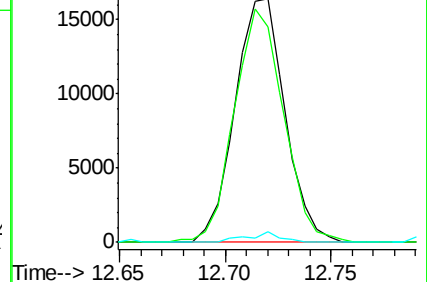
116 4.4 4.2 6.2



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: 6.56 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

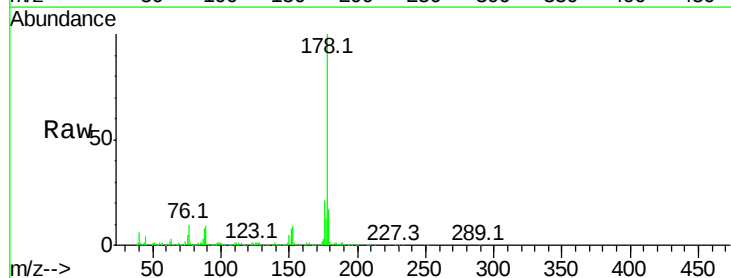
Tgt Ion:178 Resp: 194268

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

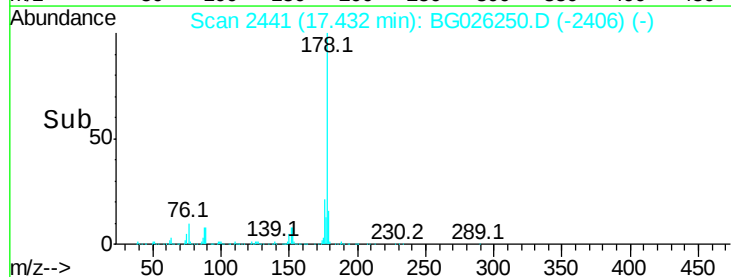
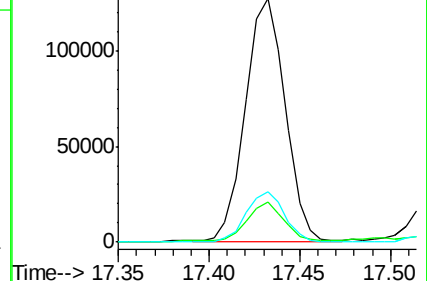
176 20.9 15.1 22.7

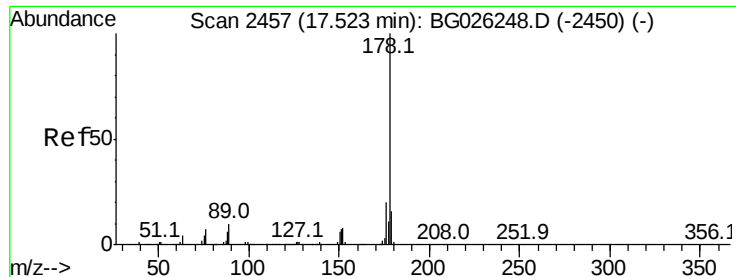


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

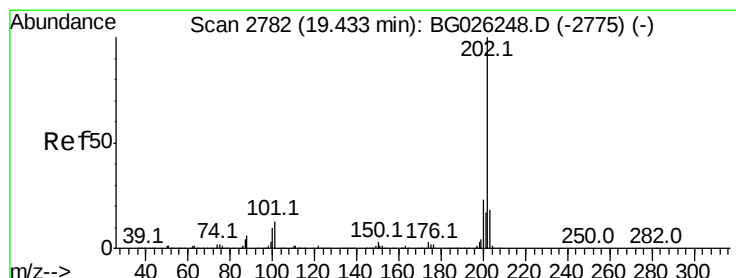
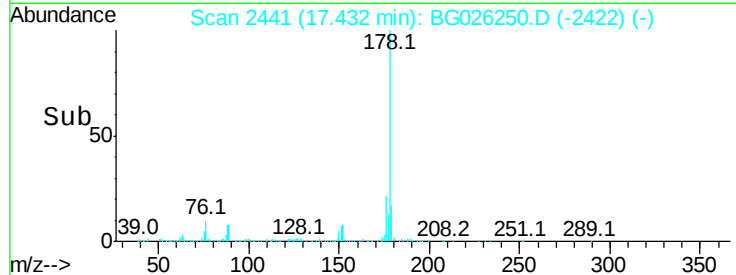
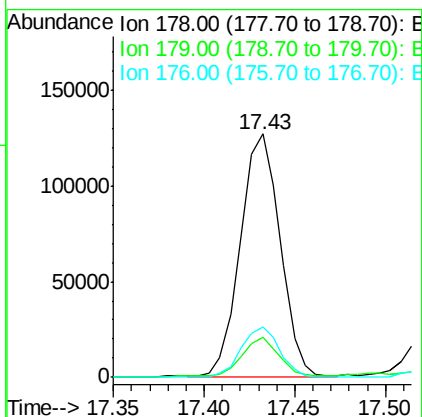
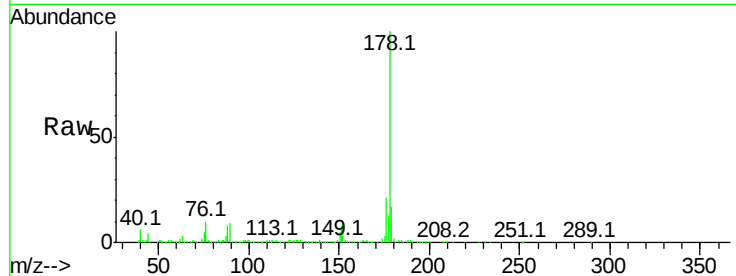




#15
 Anthracene
 Concen: 6.46 ng/ul
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.09 min
 Lab File: BG026250.D
 Acq: 16 Mar 2017 1:35

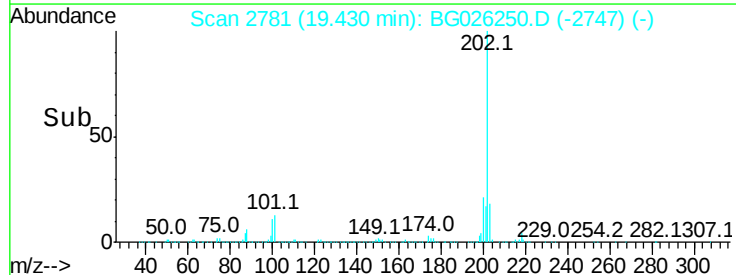
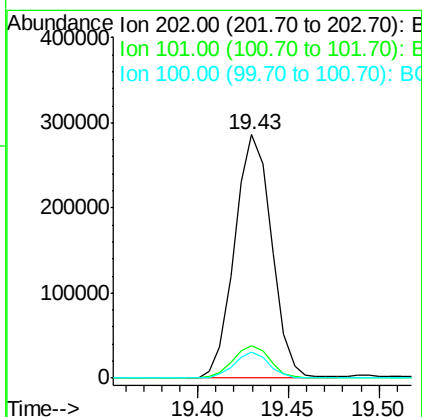
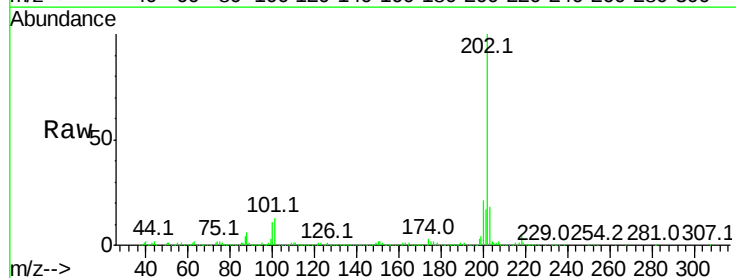
Instrument :
 BNA_G
 ClientSampleId :
 DABG3

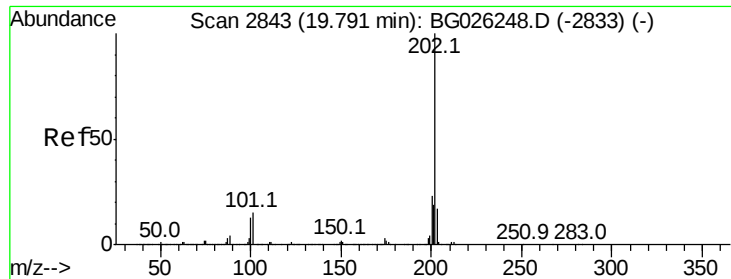
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.8	17.8
176	20.9	15.2	22.8



#16
 Fluoranthene
 Concen: 12.43 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG026250.D
 Acq: 16 Mar 2017 1:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	9.9	14.9
100	10.7	7.4	11.0





#19

Pvrene

Concen: 10.13 ng/ul

RT: 19.79 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

Instrument :

BNA_G

ClientSampleId :

DABG3

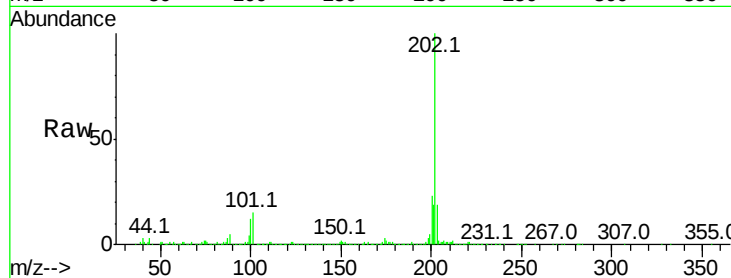
Tot Ion:202 Resp: 348279

Ion Ratio Lower Upper

202 100

101 15.1 11.0 16.4

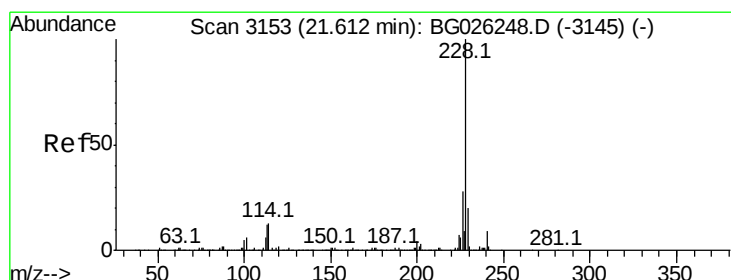
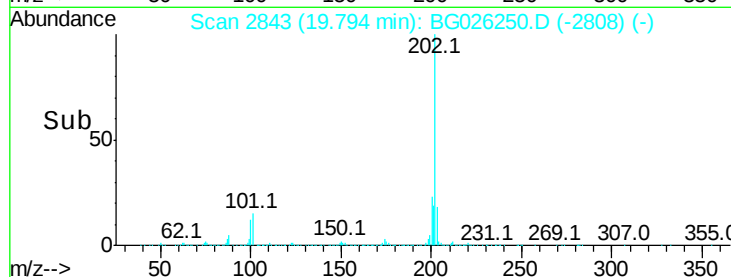
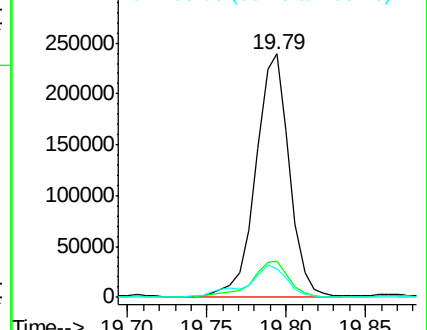
100 11.7 8.1 12.1



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: 7.26 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

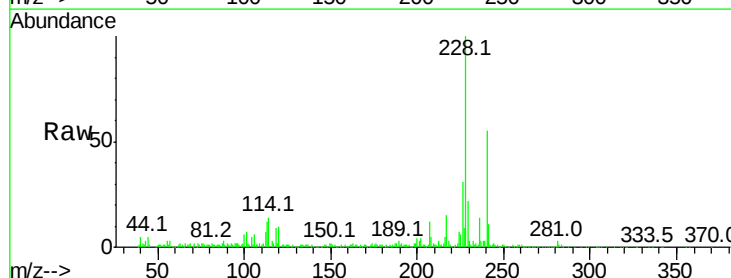
Tgt Ion:228 Resp: 231879

Ion Ratio Lower Upper

228 100

229 21.7 15.7 23.5

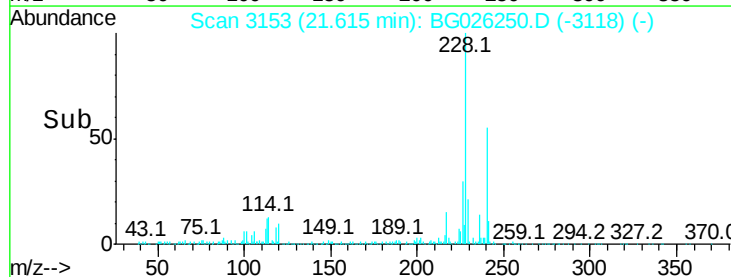
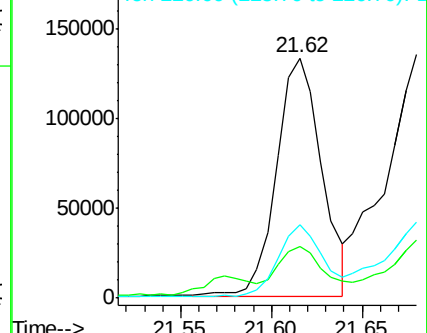
226 30.6 21.1 31.7

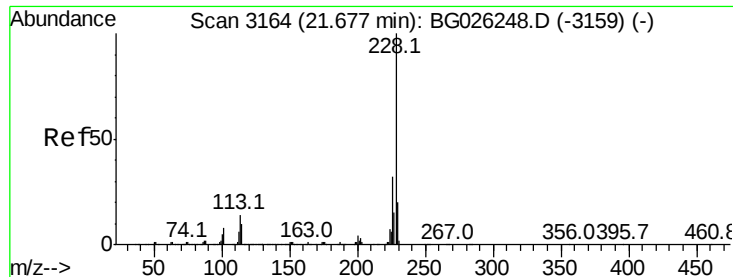


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 7.48 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. -0.06 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

Instrument :

BNA_G

ClientSampleId :

DABG3

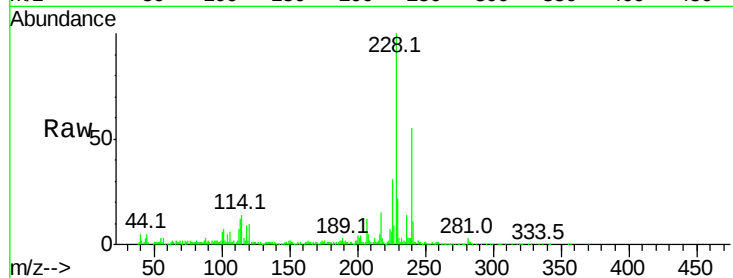
Tot Ion:228 Resp: 228417

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

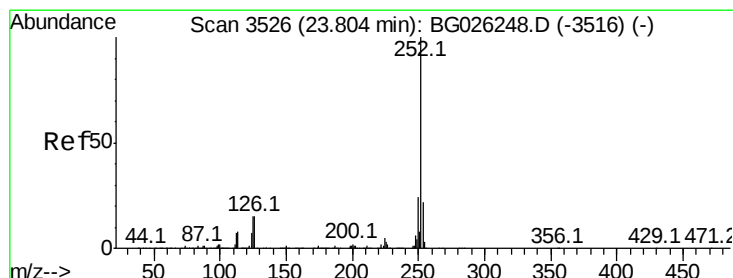
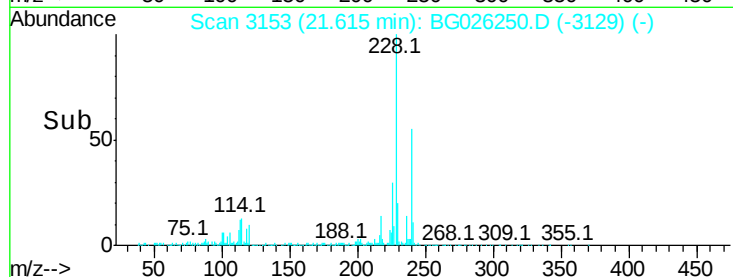
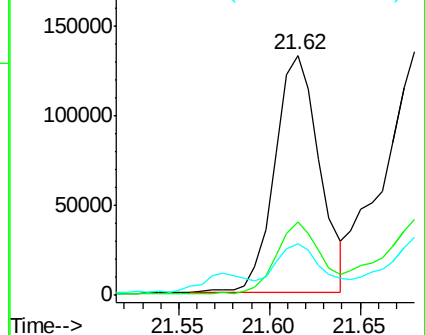
229 21.7 15.8 23.8



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: 12.19 ng/ul

RT: 23.81 min Scan# 3526

Delta R.T. 0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

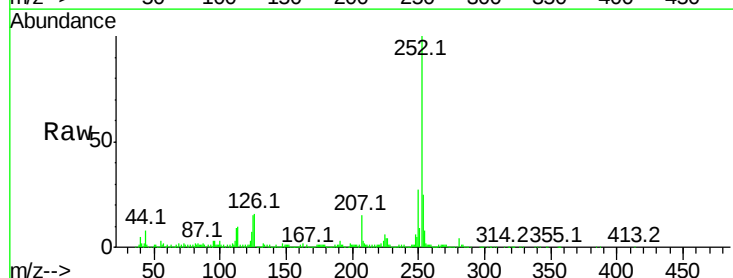
Tgt Ion:252 Resp: 375160

Ion Ratio Lower Upper

252 100

253 25.4 18.0 27.0

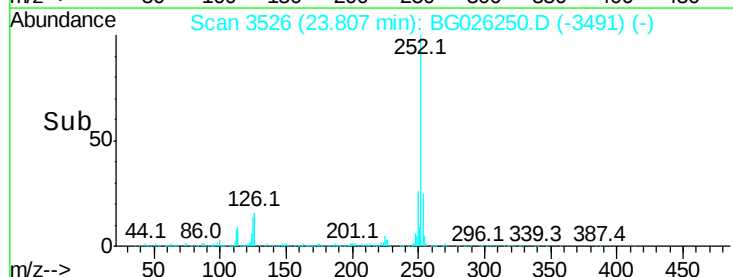
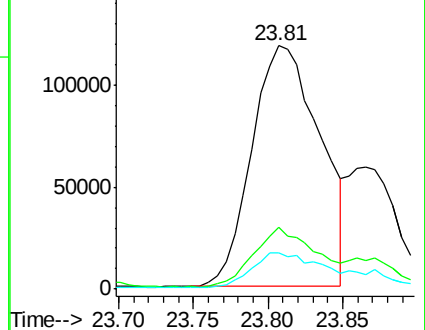
125 14.8 8.0 12.0#

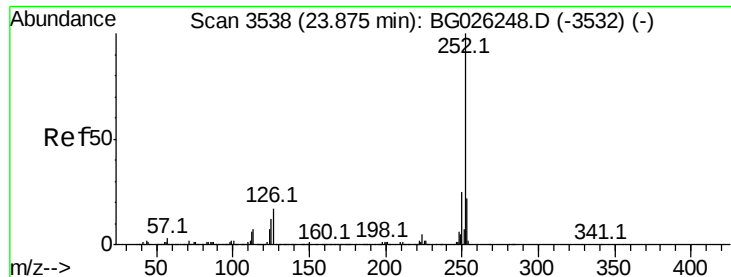


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

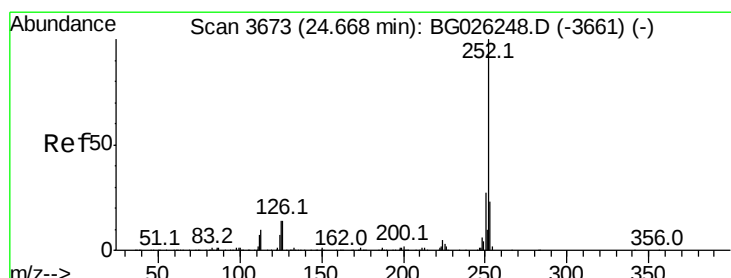
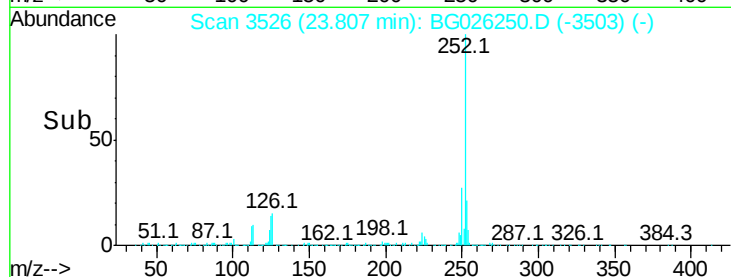
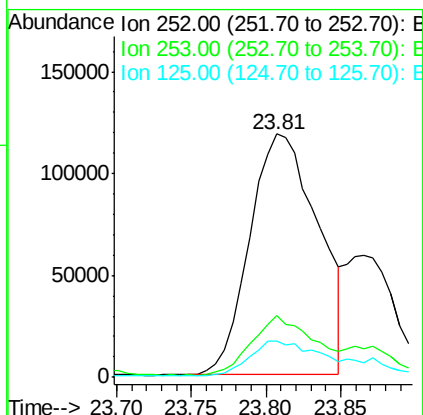
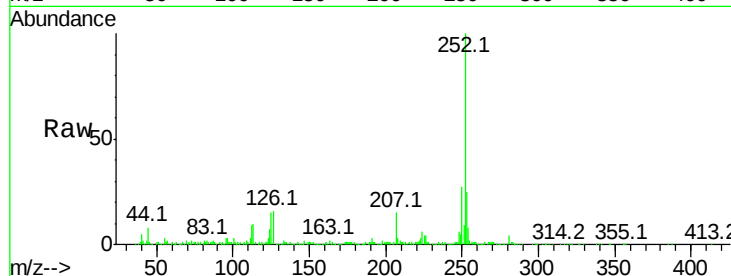




#24
Benzo(k)fluoranthene
Concen: 12.62 ng/ul
RT: 23.81 min Scan# 3526
Delta R.T. -0.07 min
Lab File: BG026250.D
Acq: 16 Mar 2017 1:35

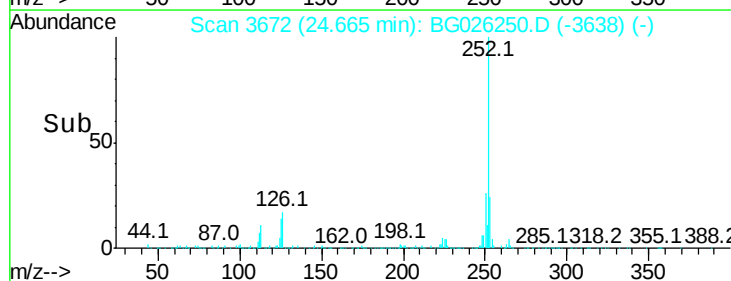
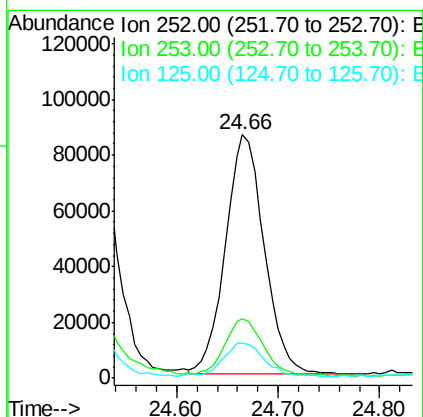
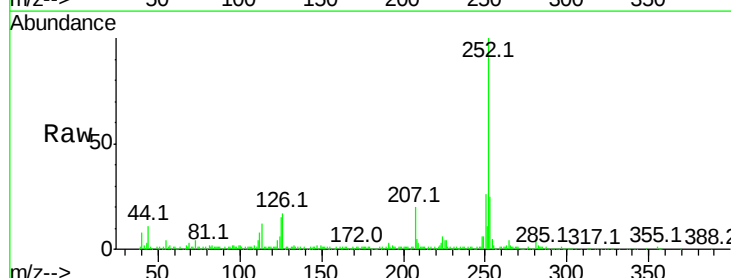
Instrument :
BNA_G
ClientSampleId :
DABG3

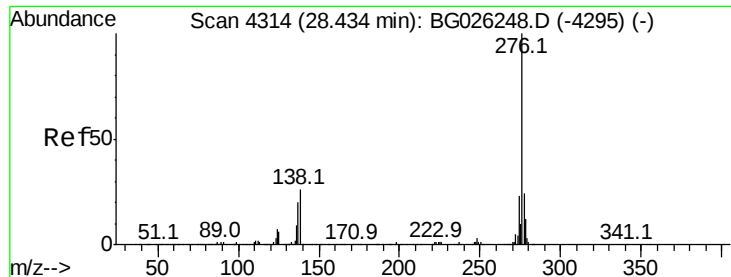
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.8	8.1	12.1#



#26
Benzo(a)pyrene
Concen: 7.65 ng/ul
RT: 24.66 min Scan# 3672
Delta R.T. -0.00 min
Lab File: BG026250.D
Acq: 16 Mar 2017 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	14.6	8.2	12.4#





#27

Indeno(1,2,3-cd)pyrene

Concen: 5.18 ng/ul

RT: 28.44 min Scan# 4314

Delta R.T. 0.00 min

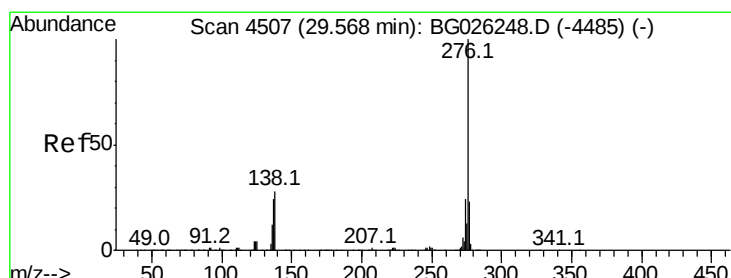
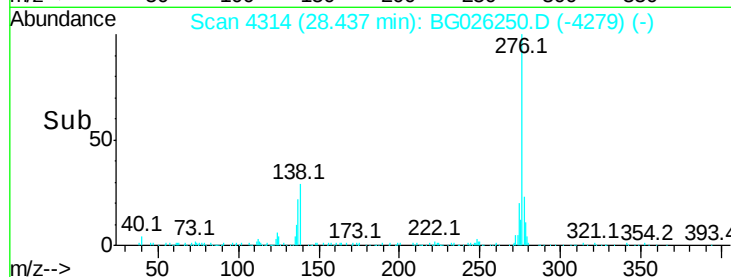
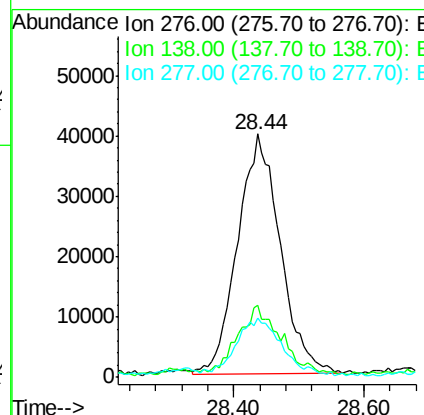
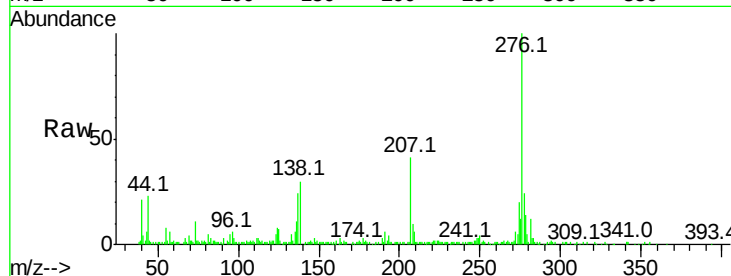
Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

Instrument :
BNA_G
ClientSampled :
DABG3

Tot Ion:276 Resp: 180589

Ion	Ratio	Lower	Upper
276	100		
138	29.8	14.4	21.6#
277	24.5	18.0	27.0



#29

Benzo(g,h,i)perylene

Concen: 3.30 ng/ul

RT: 29.56 min Scan# 4506

Delta R.T. -0.00 min

Lab File: BG026250.D

Acq: 16 Mar 2017 1:35

Tgt Ion:276 Resp: 95095

Ion	Ratio	Lower	Upper
276	100		
138	27.2	15.3	22.9#
277	22.8	19.0	28.4

