

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026310.D
 Acq On : 18 Mar 2017 9:43
 Operator : SJ/MA
 Sample : I2283-11
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB310

Quant Time: Mar 20 03:24:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 20 03:22:51 2017
 Response via : Initial Calibration

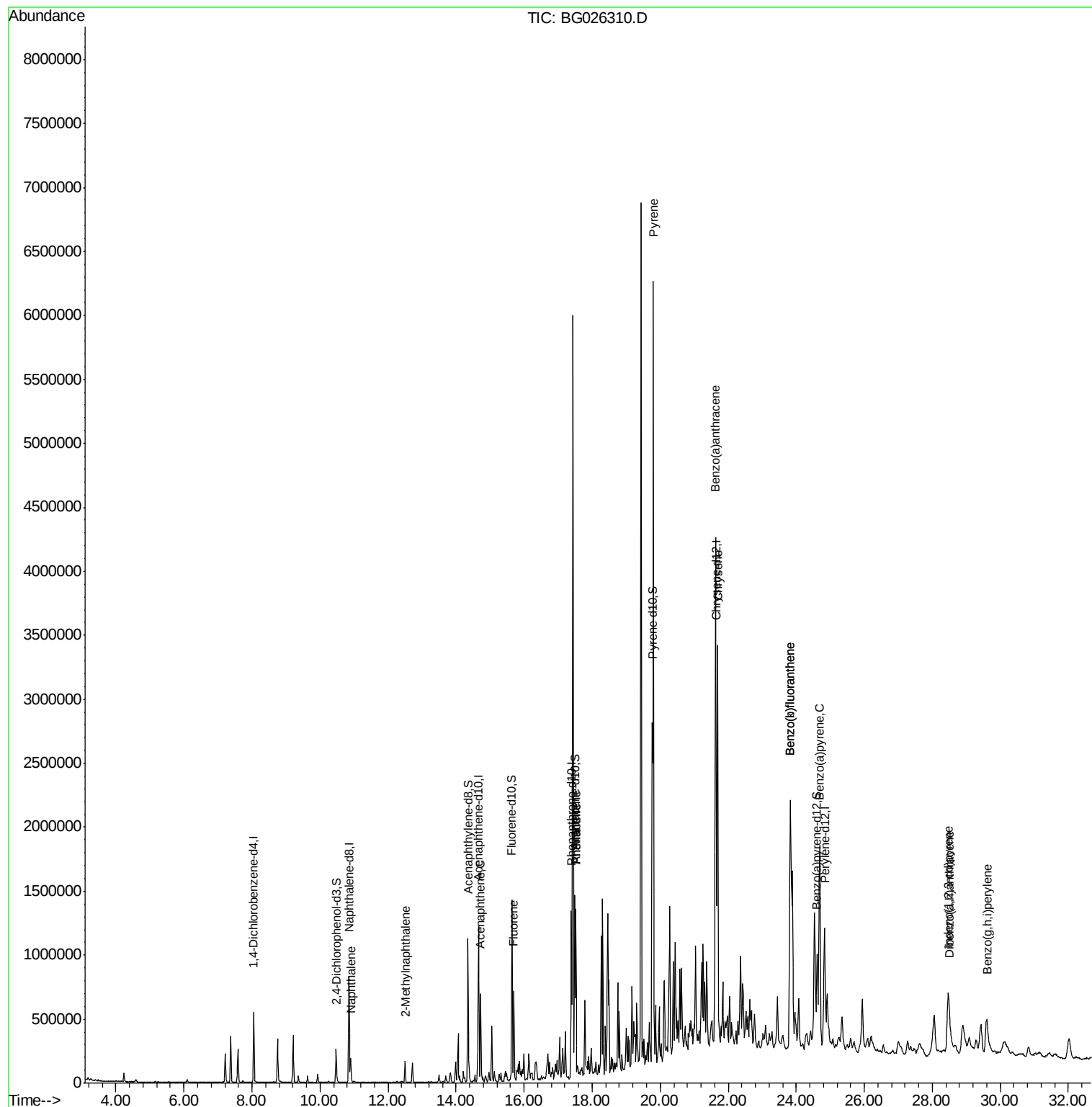
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	170074	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	780082	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	421417	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	852426	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	851093	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	817776	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	119001	10.30	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	856117	23.83	ng/ul	0.00
10) Fluorene-d10	15.64	176	595280	22.71	ng/ul	0.00
15) Anthracene-d10	17.49	188	828443	21.87	ng/ul	0.00
19) Pyrene-d10	19.77	212	828080	19.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	762314	21.61	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	161302	4.23	ng/ul	97
5) 2-Methylnaphthalene	12.50	142	87850	3.10	ng/ul	98
9) Acenaphthene	14.72	153	296436	11.43	ng/ul	95
11) Fluorene	15.70	166	319779	10.92	ng/ul	100
14) Phenanthrene	17.52	178	831583	18.41	ng/ul	98
16) Anthracene	17.52	178	830559	18.20	ng/ul	98
20) Pyrene	19.80	202	3643045	67.23	ng/ul#	87
21) Benzo(a)anthracene	21.63	228	2132631	45.02	ng/ul	92
22) Chrysene	21.69	228	2095157	47.40	ng/ul	97
24) Benzo(b)fluoranthene	23.83	252	2518967	54.25	ng/ul	98
25) Benzo(k)fluoranthene	23.83	252	2518967	56.82	ng/ul	97
27) Benzo(a)pyrene	24.69	252	1630949	37.80	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.46	276	880141	18.48	ng/ul	98
29) Dibenzo(a,h)anthracene	28.50	278	143287	3.79	ng/ul	96
30) Benzo(a,h,i)perylene	29.60	276	642652	15.76	ng/ul	100

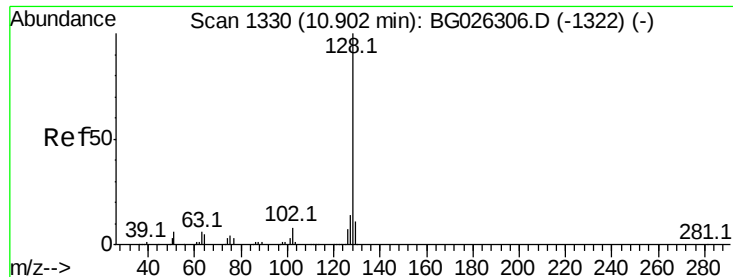
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 4.23 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

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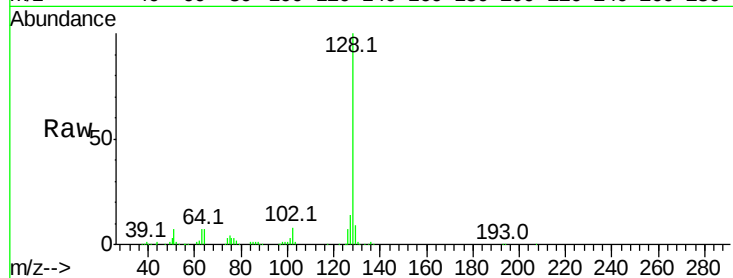
Tot Ion:128 Resp: 161302

Ion Ratio Lower Upper

128 100

129 9.5 9.1 13.7

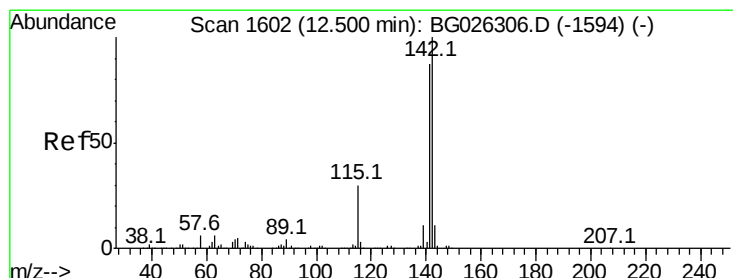
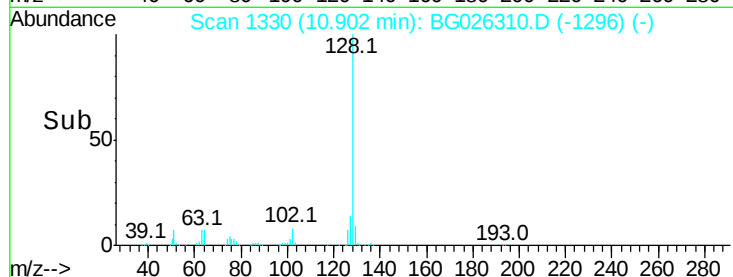
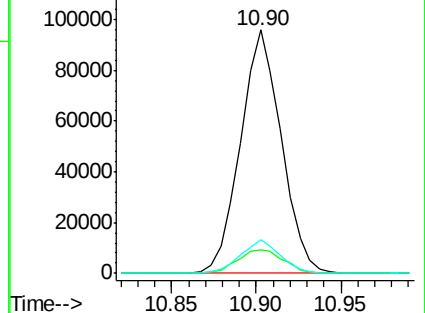
127 13.9 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 3.10 ng/ul

RT: 12.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BG026310.D

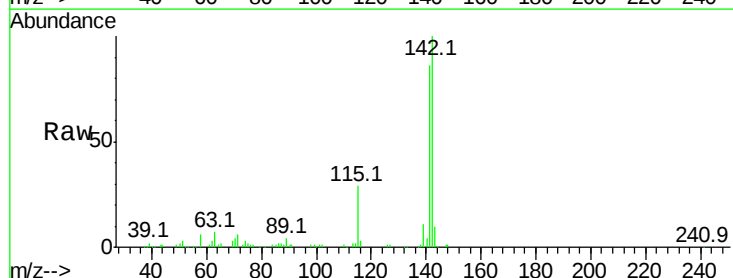
Acq: 18 Mar 2017 9:43

Tgt Ion:142 Resp: 87850

Ion Ratio Lower Upper

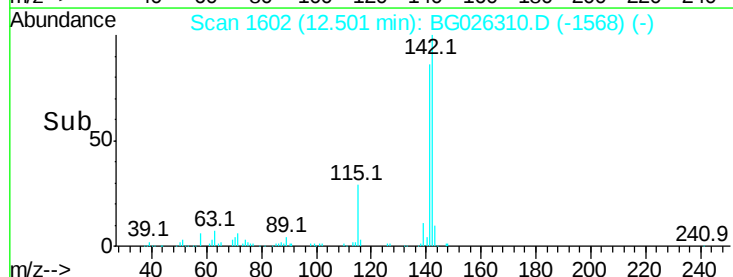
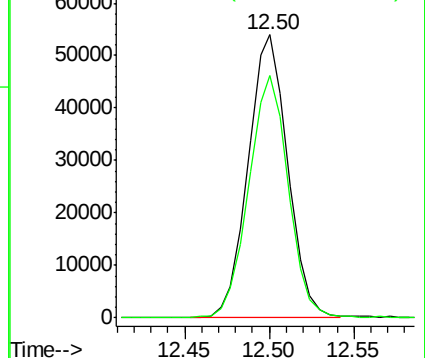
142 100

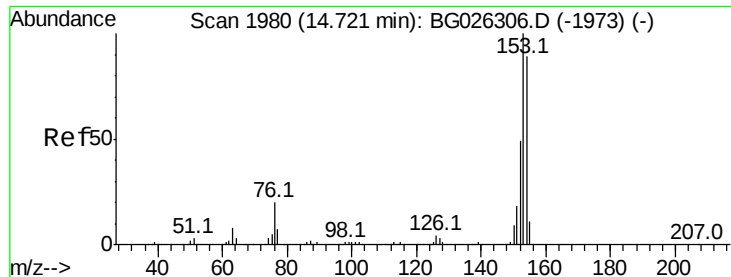
141 85.5 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 11.43 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

CB310

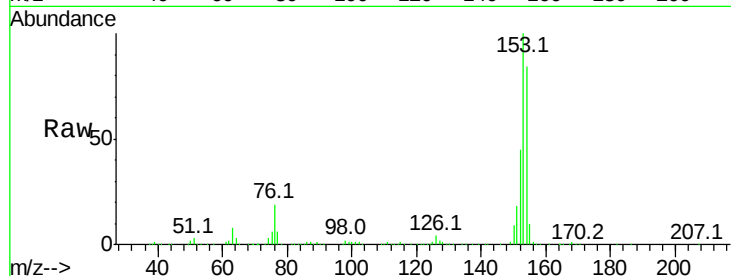
Tot Ion:153 Resp: 296436

Ion Ratio Lower Upper

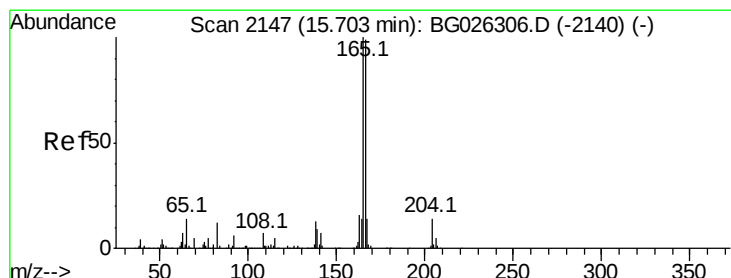
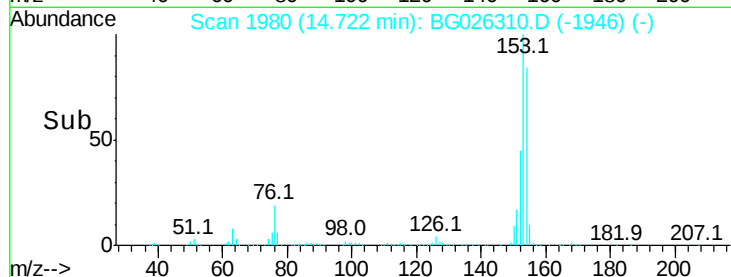
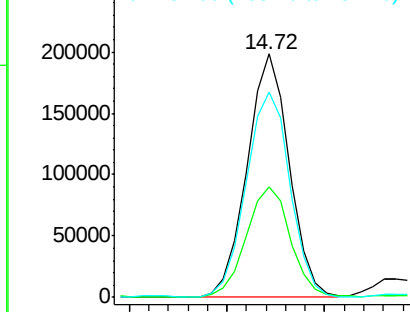
153 100

152 45.4 37.9 56.9

154 84.3 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 10.92 ng/ul

RT: 15.70 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

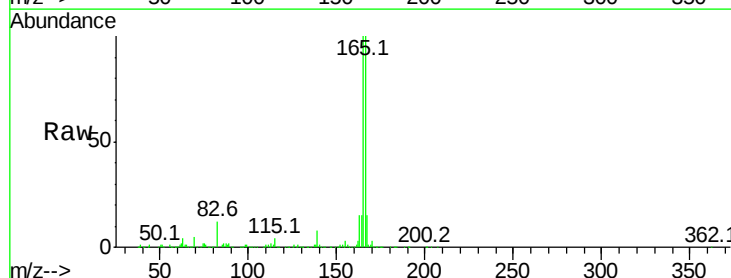
Tgt Ion:166 Resp: 319779

Ion Ratio Lower Upper

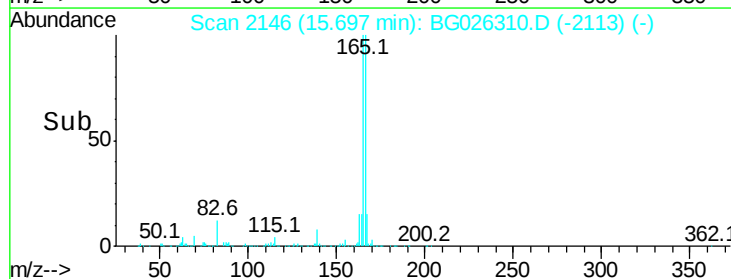
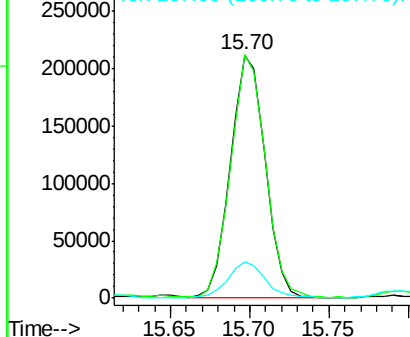
166 100

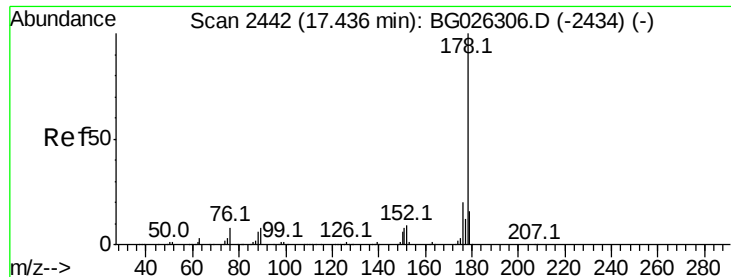
165 100.4 80.0 120.0

167 14.7 11.6 17.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 18.41 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.09 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

CB310

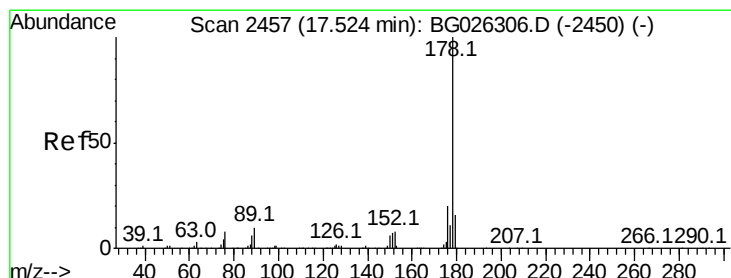
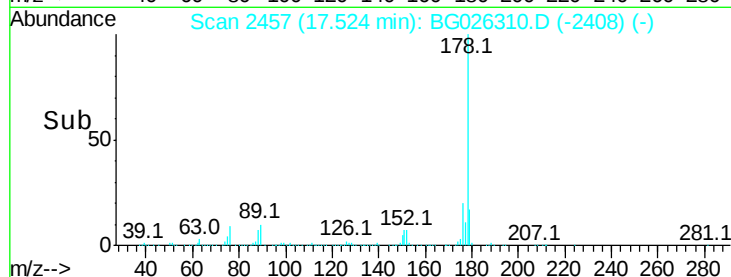
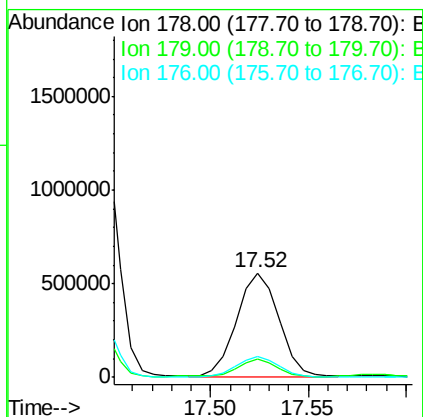
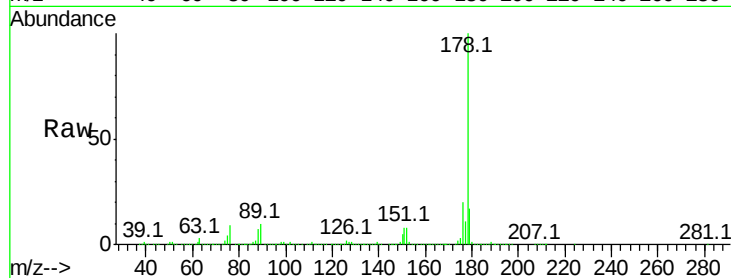
Tot Ion:178 Resp: 831583

Ion Ratio Lower Upper

178 100

179 17.1 12.2 18.4

176 20.2 16.4 24.6



#16

Anthracene

Concen: 18.20 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

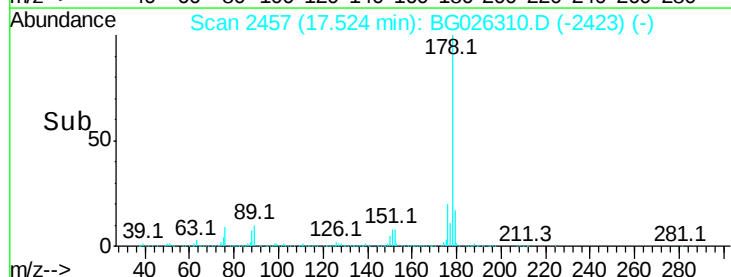
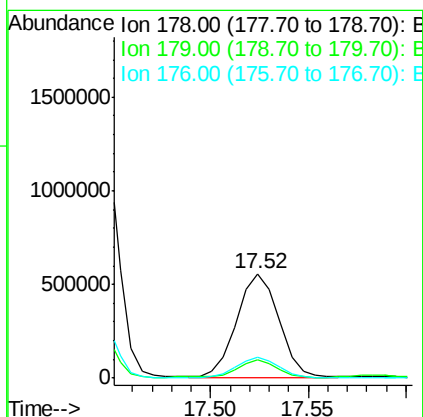
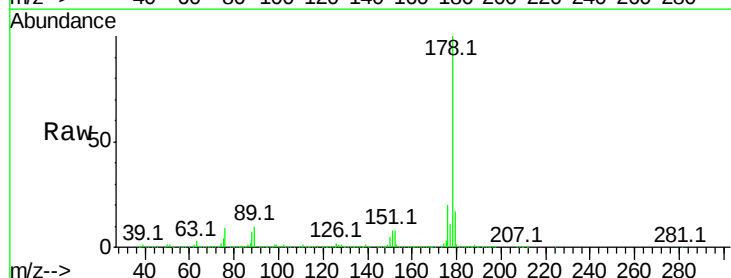
Tgt Ion:178 Resp: 830559

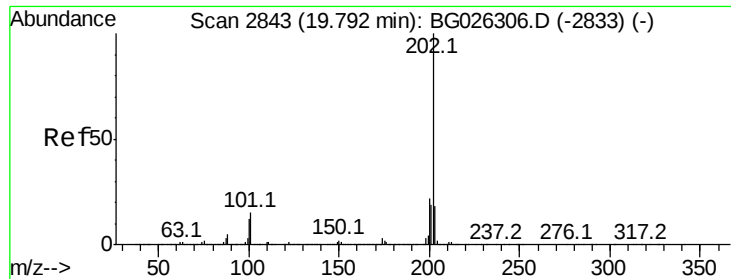
Ion Ratio Lower Upper

178 100

179 17.1 12.7 19.1

176 20.2 15.8 23.8

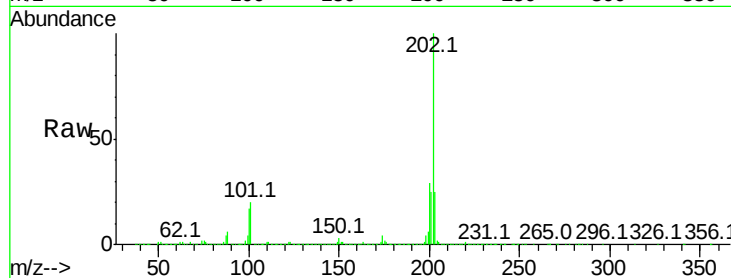




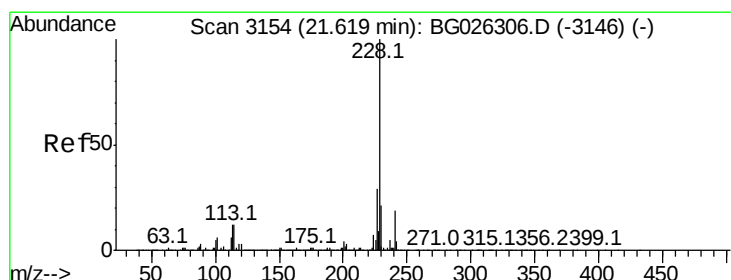
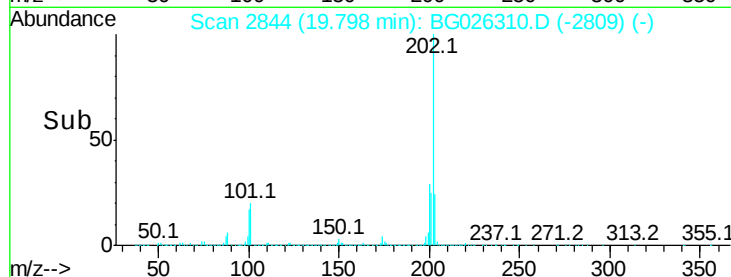
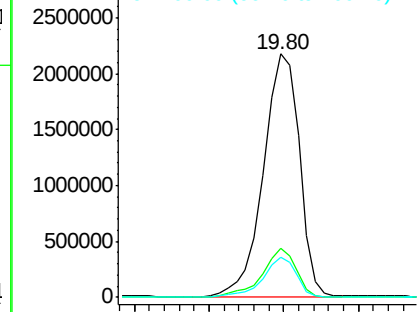
#20
Pvrene
Concen: 67.23 ng/ul
RT: 19.80 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Instrument :
BNA_G
ClientSampleId :
CB310

Tot Ion:202 Resp: 3643045
Ion Ratio Lower Upper
202 100
101 19.9 11.2 16.8#
100 16.6 9.8 14.6#

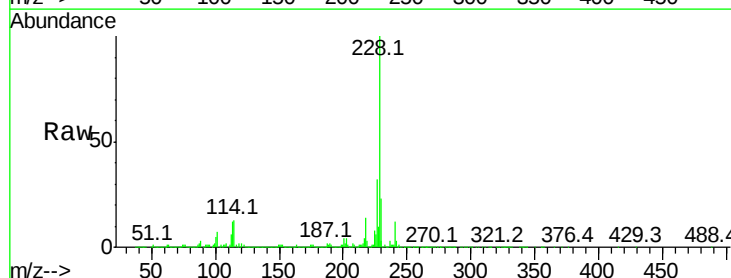


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

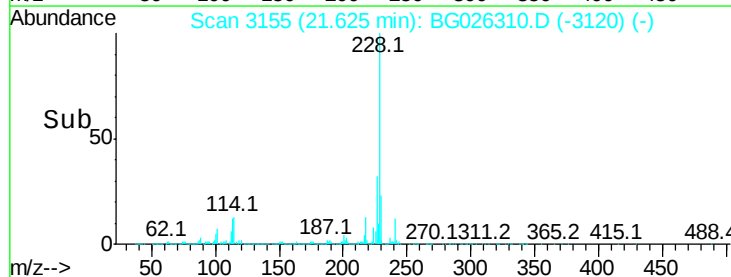
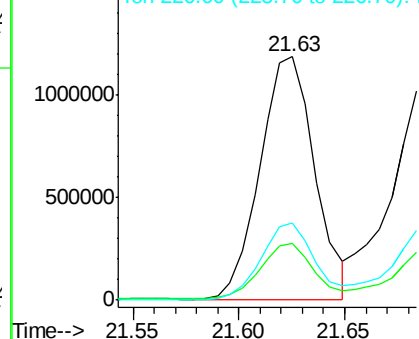


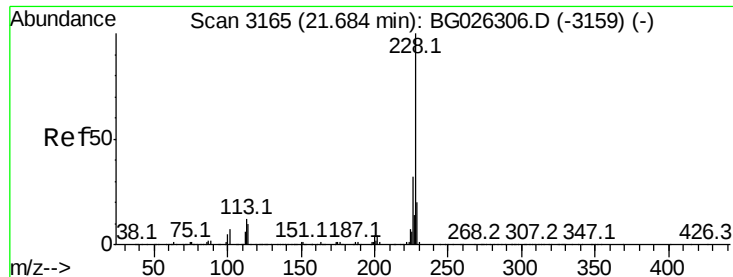
#21
Benzo(a)anthracene
Concen: 45.02 ng/ul
RT: 21.63 min Scan# 3155
Delta R.T. 0.01 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Tgt Ion:228 Resp: 2132631
Ion Ratio Lower Upper
228 100
229 23.3 15.9 23.9
226 31.9 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: 47.40 ng/ul

RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

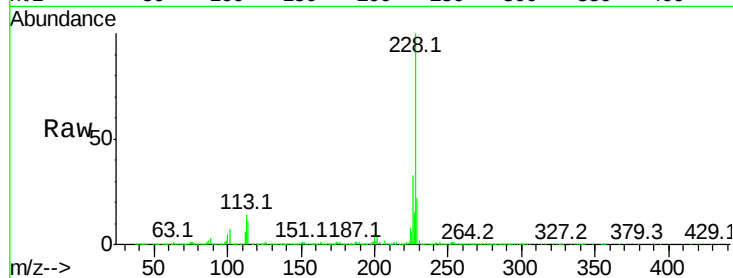
BNA_G

ClientSampleId :

CB310

Tot Ion:228 Resp: 2095157

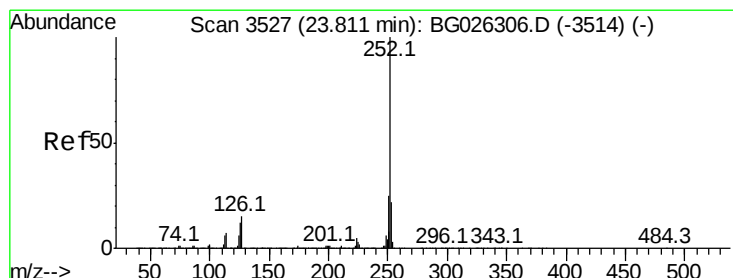
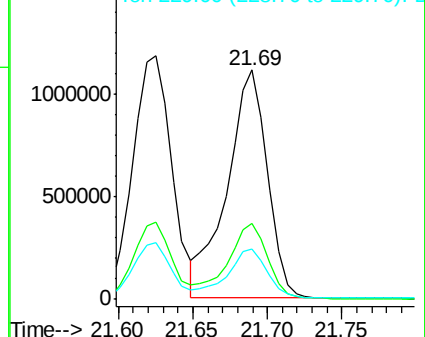
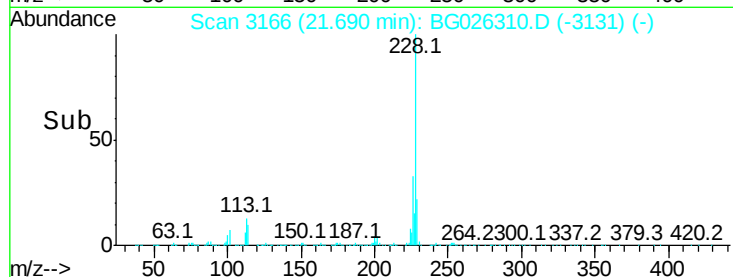
Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	22.2	16.6	25.0



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: 54.25 ng/ul

RT: 23.83 min Scan# 3530

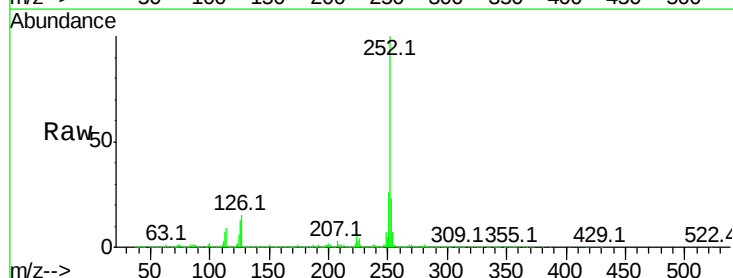
Delta R.T. 0.02 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Tgt Ion:252 Resp: 2518967

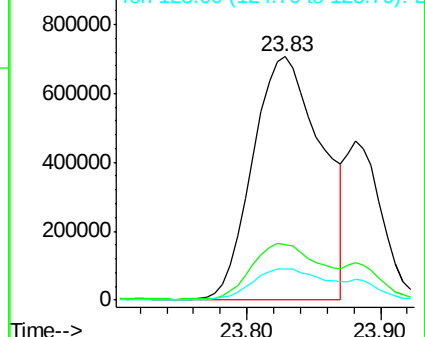
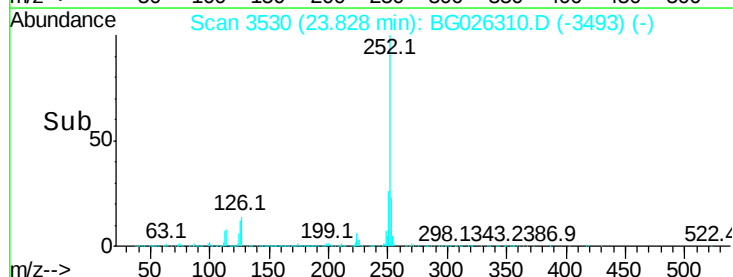
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.5	9.4	14.0

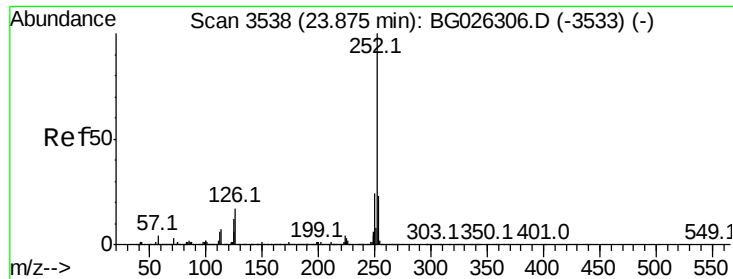


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

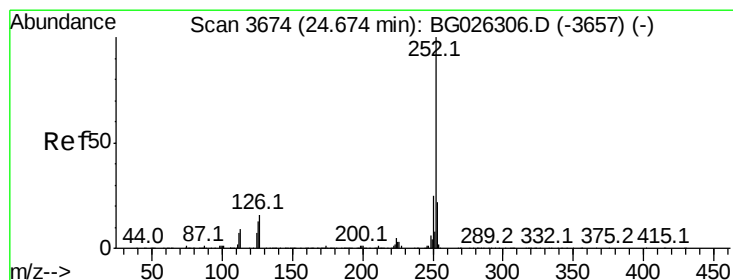
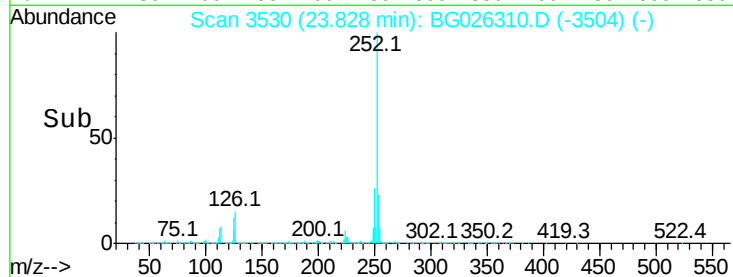
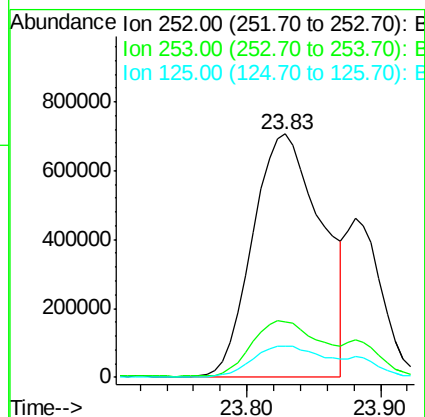
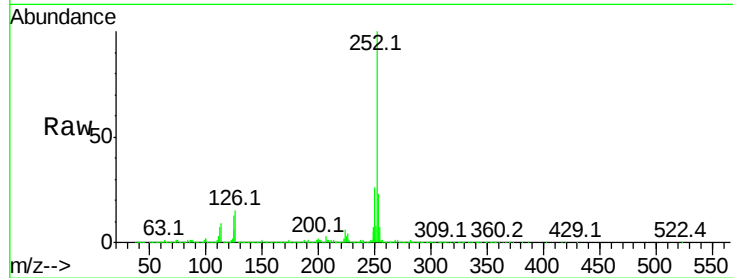




#25
Benzo(k)fluoranthene
Concen: 56.82 ng/ul
RT: 23.83 min Scan# 3530
Delta R.T. -0.05 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

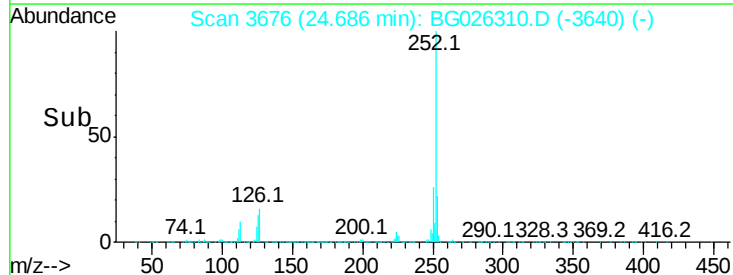
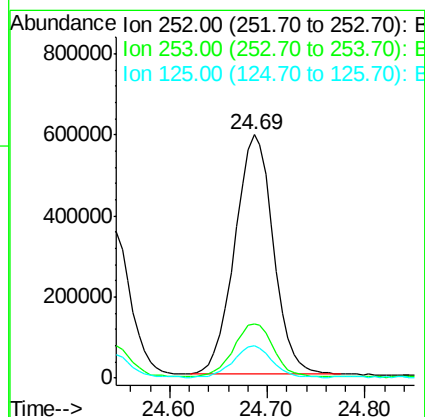
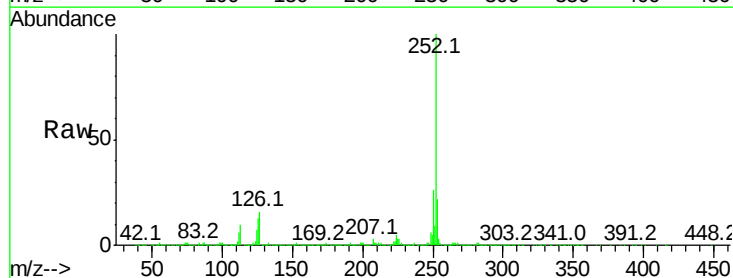
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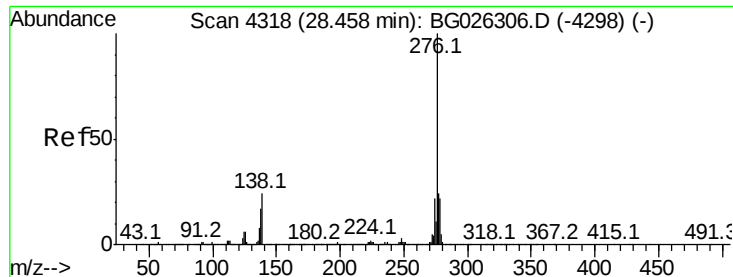
Tot Ion:252 Resp: 2518967
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 12.5 8.8 13.2



#27
Benzo(a)pyrene
Concen: 37.80 ng/ul
RT: 24.69 min Scan# 3676
Delta R.T. 0.01 min
Lab File: BG026310.D
Acq: 18 Mar 2017 9:43

Tgt Ion:252 Resp: 1630949
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 13.1 9.4 14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 18.48 ng/ul

RT: 28.46 min Scan# 4319

Delta R.T. 0.01 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

CB310

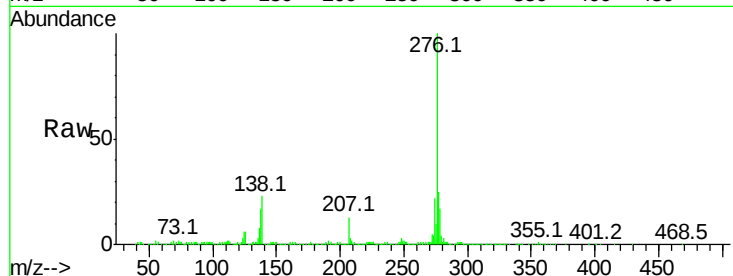
Tot Ion:276 Resp: 880141

Ion Ratio Lower Upper

276 100

138 23.5 17.8 26.6

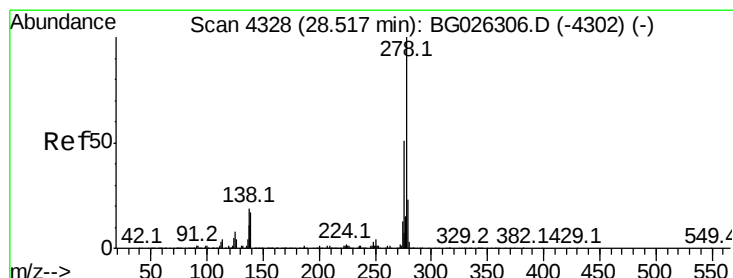
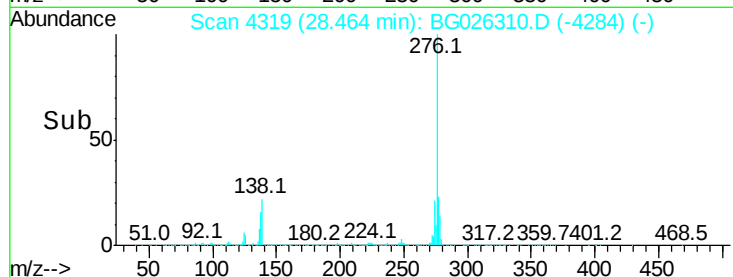
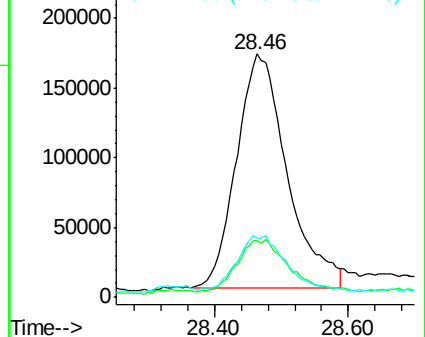
277 24.6 19.4 29.0



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

Dibenzo(a,h)anthracene

Concen: 3.79 ng/ul

RT: 28.50 min Scan# 4325

Delta R.T. -0.02 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

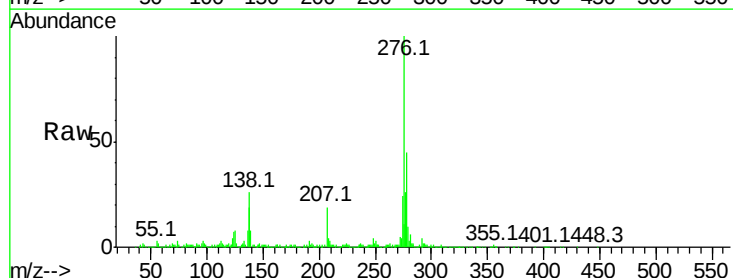
Tgt Ion:278 Resp: 143287

Ion Ratio Lower Upper

278 100

139 16.7 14.0 21.0

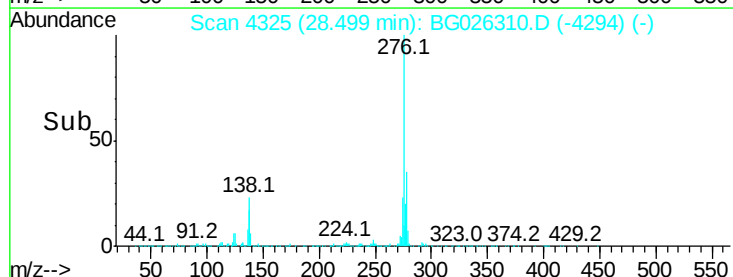
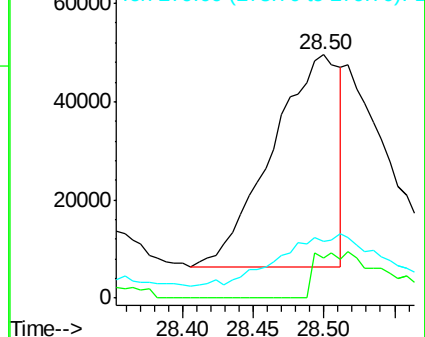
279 23.1 20.6 31.0

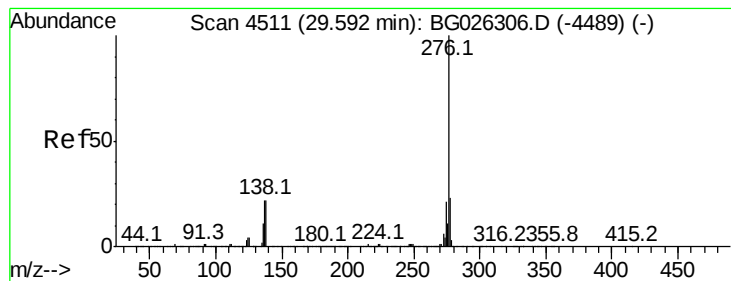


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 15.76 ng/ul

RT: 29.60 min Scan# 4513

Delta R.T. 0.01 min

Lab File: BG026310.D

Acq: 18 Mar 2017 9:43

Instrument :

BNA_G

ClientSampleId :

CB310

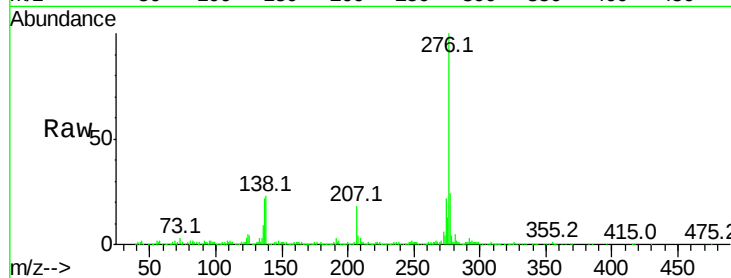
Tot Ion:276 Resp: 642652

Ion Ratio Lower Upper

276 100

138 23.4 19.0 28.4

277 24.5 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

