

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
 Data File : BG026227.D
 Acq On : 14 Mar 2017 1:03
 Operator : SJ/MA
 Sample : I2217-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Y9

Quant Time: Mar 15 06:55:04 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 06:53:58 2017
 Response via : Initial Calibration

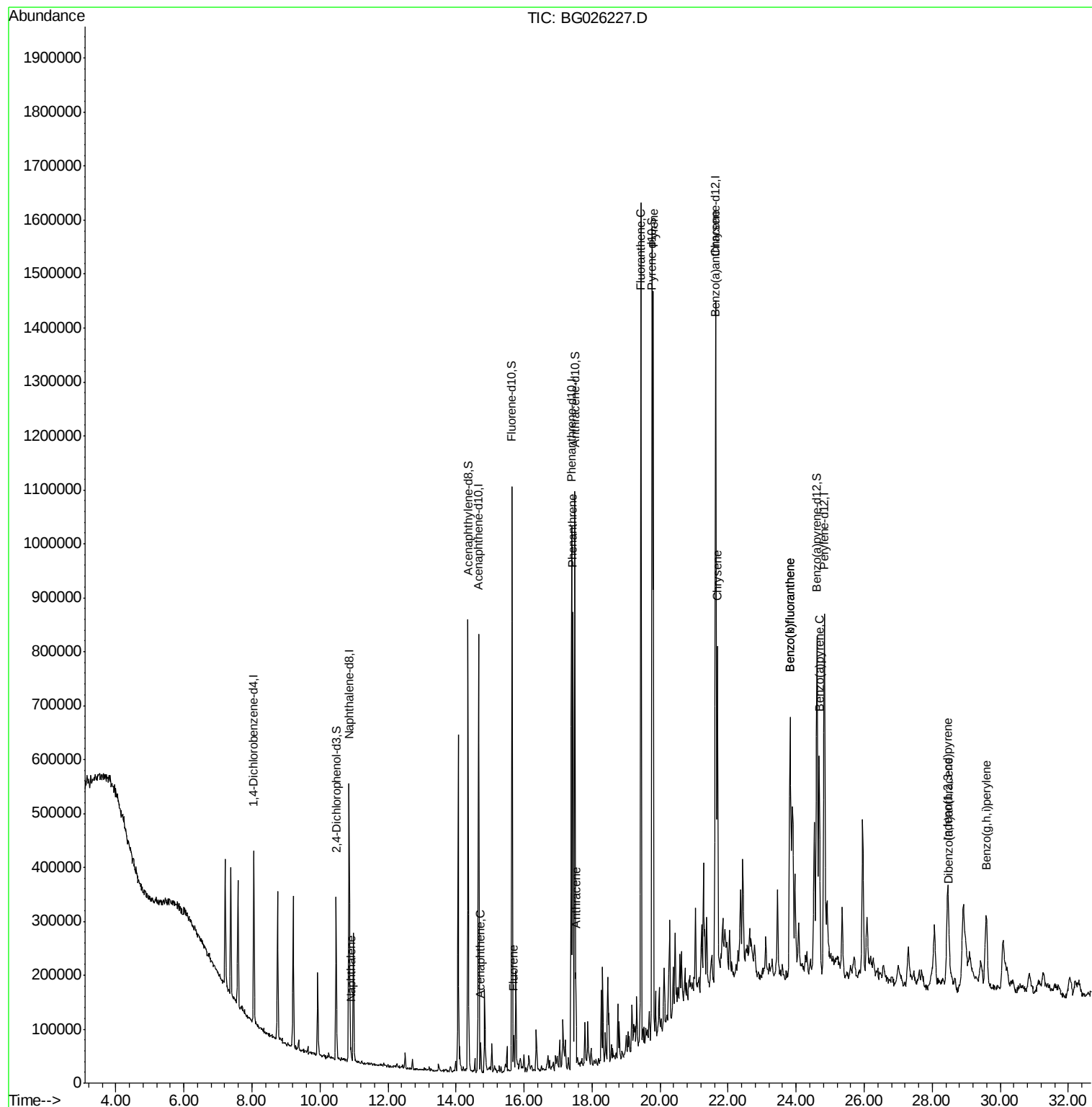
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	88625	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	448755	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	269992	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.40	188	590492	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	596833	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	571119	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	117769	17.72	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	613848	26.67	ng/ul	0.00
10) Fluorene-d10	15.65	176	433140	25.79	ng/ul	0.00
15) Anthracene-d10	17.49	188	591579	22.54	ng/ul	0.00
19) Pyrene-d10	19.76	212	645823	21.21	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	592025	24.04	ng/ul	0.00
Target Compounds						Qvalue
4) Naphthalene	10.90	128	23072	1.05	ng/ul	97
9) Acenaphthene	14.72	153	22880	1.38	ng/ul	91
11) Fluorene	15.70	166	25762	1.37	ng/ul	98
14) Phenanthrene	17.44	178	544051	17.39	ng/ul	99
16) Anthracene	17.53	178	102118	3.23	ng/ul	97
17) Fluoranthene	19.44	202	895029	27.55	ng/ul	99
20) Pyrene	19.79	202	792271	20.85	ng/ul	98
21) Benzo(a)anthracene	21.62	228	436333	13.14	ng/ul	97
22) Chrysene	21.69	228	425203	13.72	ng/ul	98
24) Benzo(b)fluoranthene	23.82	252	589112	18.17	ng/ul	99
25) Benzo(k)fluoranthene	23.82	252	589112	19.03	ng/ul	98
27) Benzo(a)pyrene	24.68	252	395972	13.14	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.45	276	276256	8.23	ng/ul	96
29) Dibenzo(a,h)anthracene	28.50	278	36845	1.40	ng/ul	94
30) Benzo(g,h,i)perylene	29.58	276	246217	8.60	ng/ul#	91

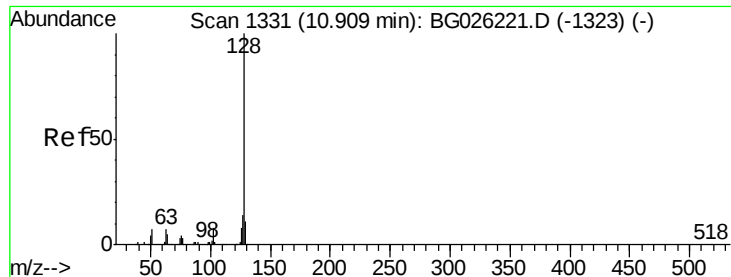
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.05 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

ClientSampleId :

CB2Y9

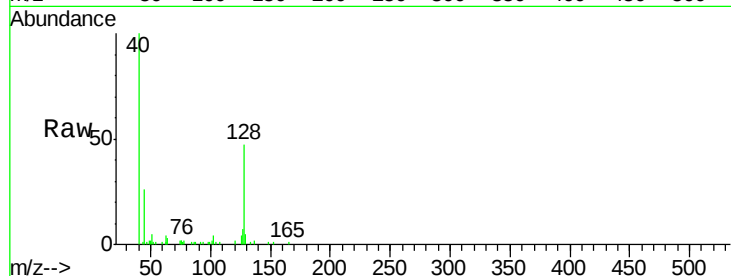
Tgt Ion:128 Resp: 23072

Ion Ratio Lower Upper

128 100

129 10.5 9.1 13.7

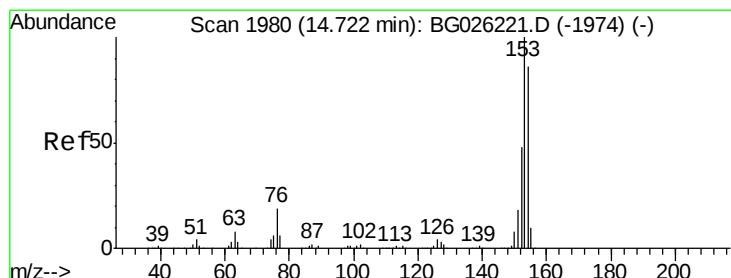
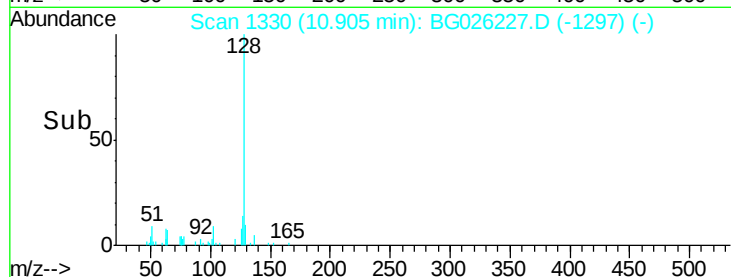
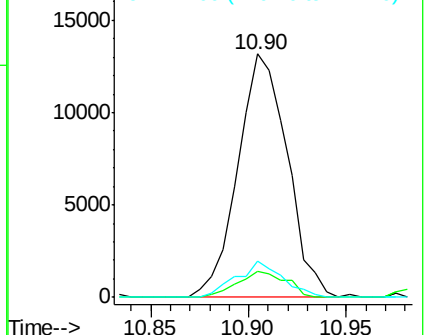
127 14.9 10.6 15.8



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



#9

Acenaphthene

Concen: 1.38 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

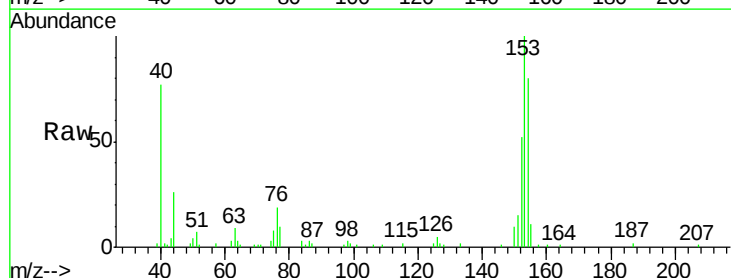
Tgt Ion:153 Resp: 22880

Ion Ratio Lower Upper

153 100

152 51.9 37.9 56.9

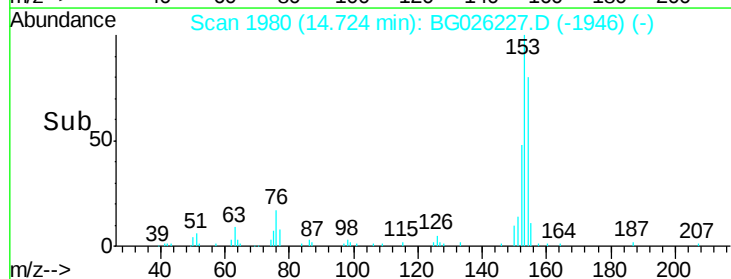
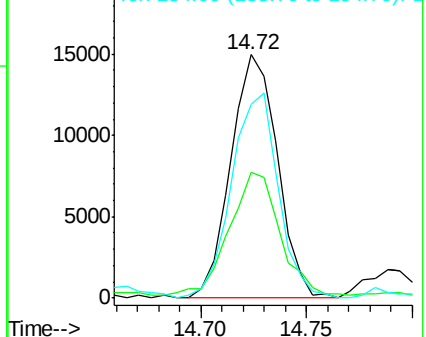
154 79.8 71.6 107.4

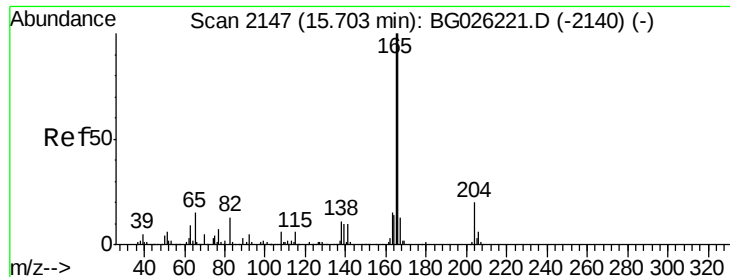


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.37 ng/ul

RT: 15.70 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

ClientSampleId :

CB2Y9

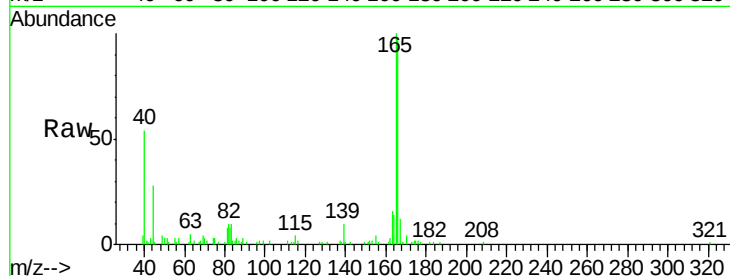
Tgt Ion:166 Resp: 25762

Ion Ratio Lower Upper

166 100

165 101.6 80.0 120.0

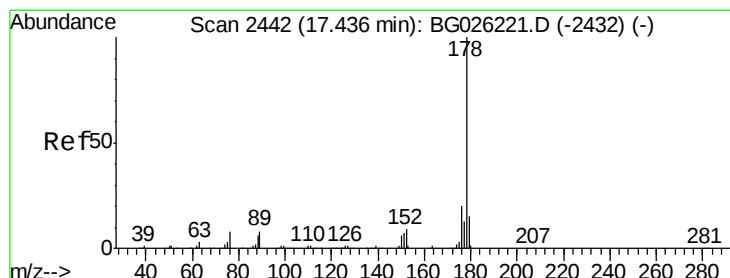
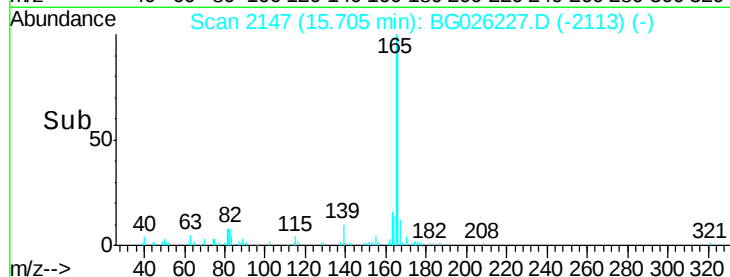
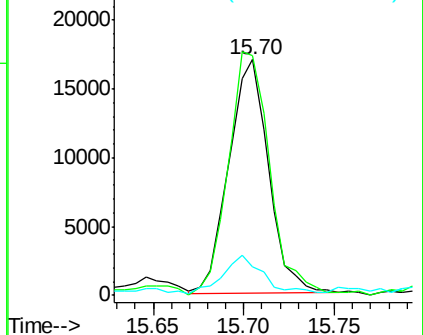
167 12.3 11.6 17.4



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: 17.39 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

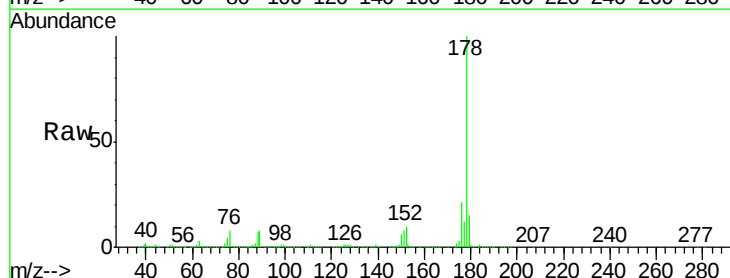
Tgt Ion:178 Resp: 544051

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

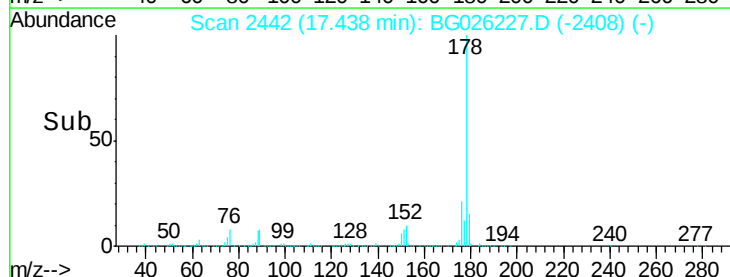
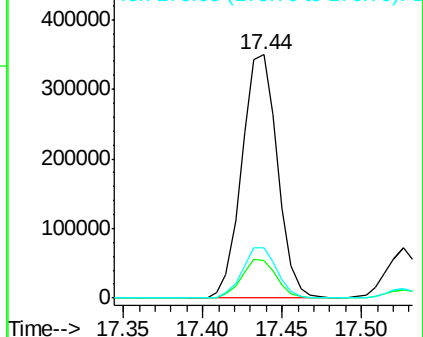
176 20.9 16.4 24.6

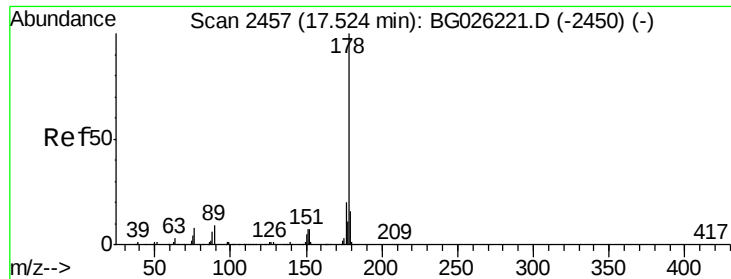


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

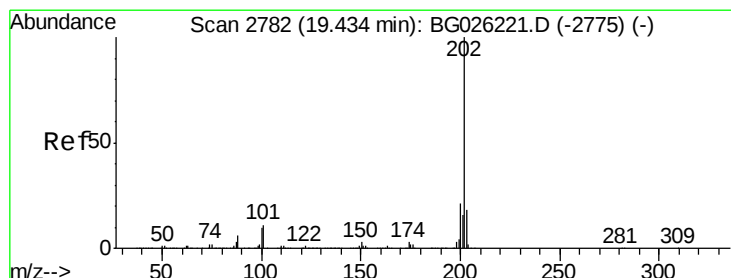
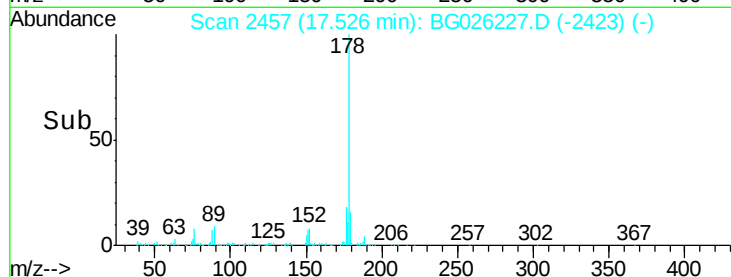
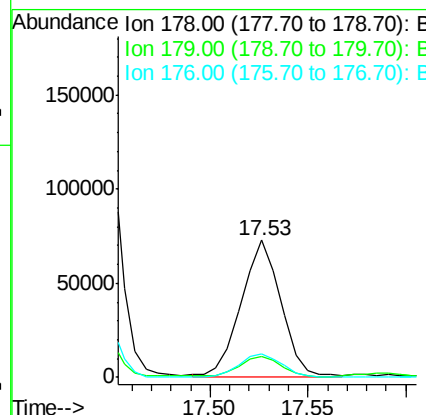
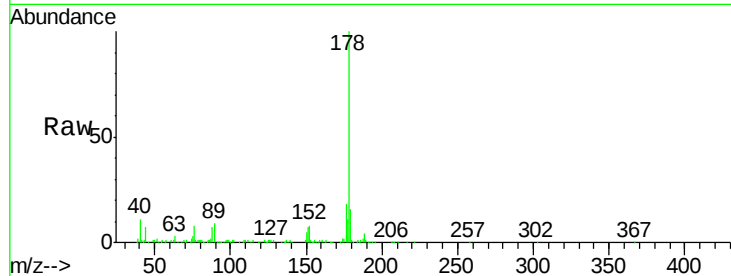




#16
 Anthracene
 Concen: 3.23 ng/ul
 RT: 17.53 min Scan# 2457
 Delta R.T. 0.00 min
 Lab File: BG026227.D
 Acq: 14 Mar 2017 1:03

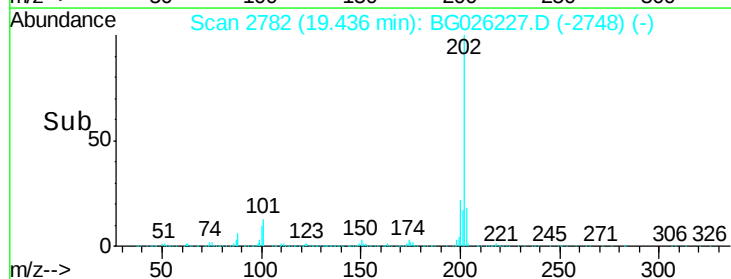
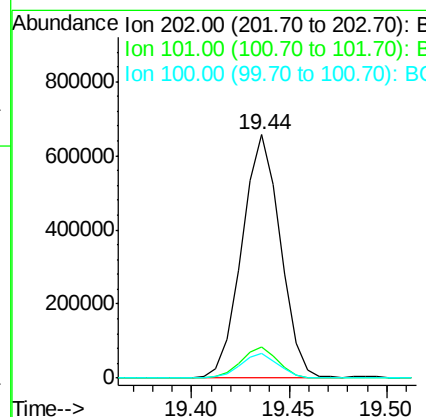
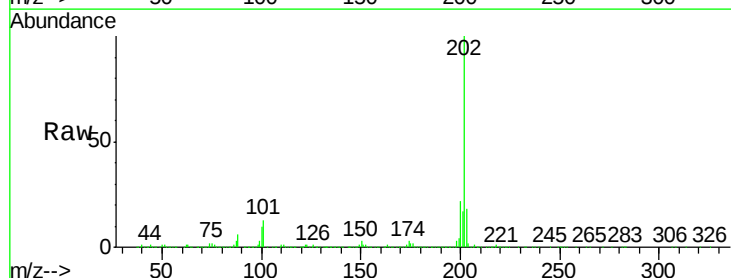
Instrument :
 BNA_G
 ClientSampleId :
 CB2Y9

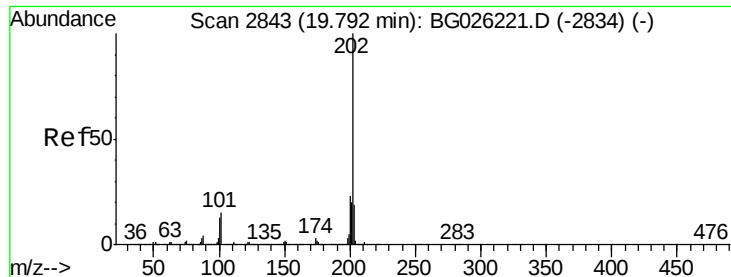
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.7	19.1
176	17.6	15.8	23.8



#17
 Fluoranthene
 Concen: 27.55 ng/ul
 RT: 19.44 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG026227.D
 Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.8	14.8
100	9.9	7.5	11.3

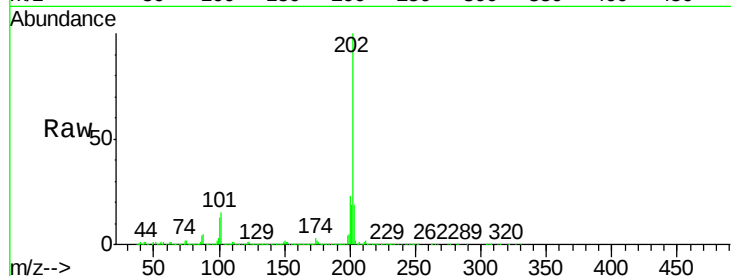




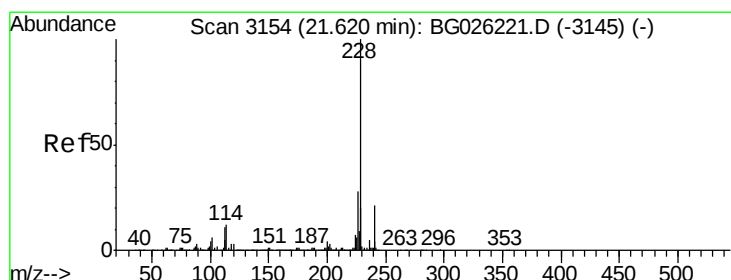
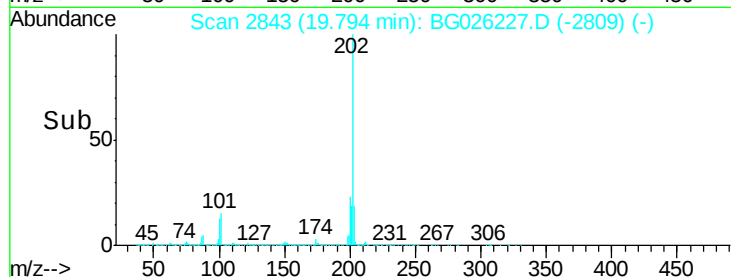
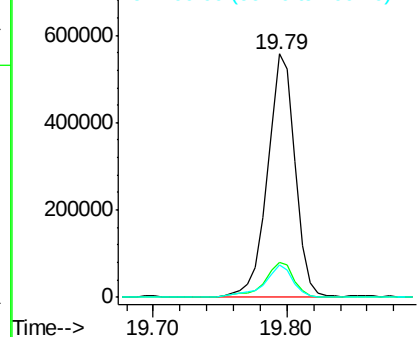
#20
 Pyrene
 Concen: 20.85 ng/ul
 RT: 19.79 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026227.D
 Acq: 14 Mar 2017 1:03

Instrument :
 BNA_G
 ClientSampleId :
 CB2Y9

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.2	16.8
100	13.4	9.8	14.6

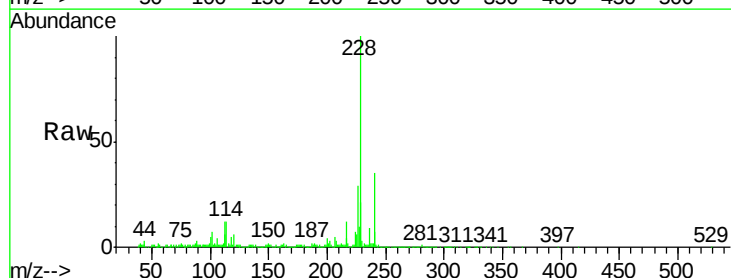


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

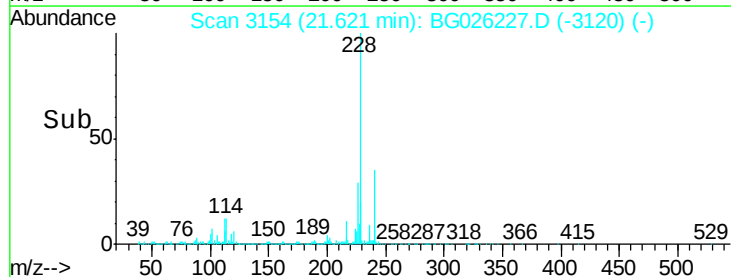
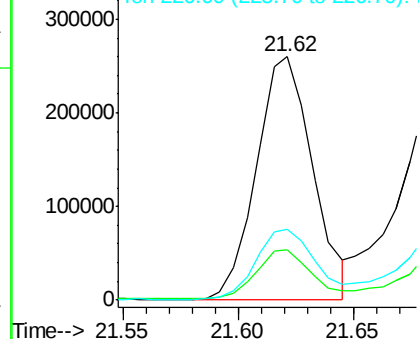


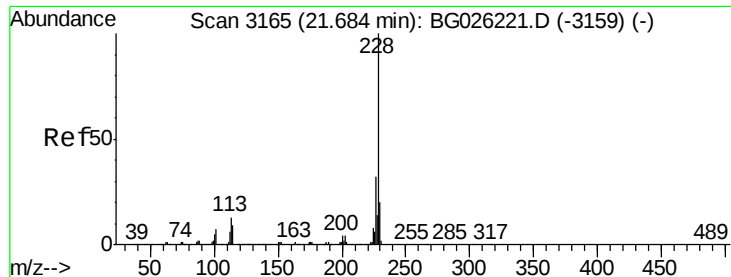
#21
 Benzo(a)anthracene
 Concen: 13.14 ng/ul
 RT: 21.62 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: BG026227.D
 Acq: 14 Mar 2017 1:03

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.9	23.9
226	29.3	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: 13.72 ng/ul

RT: 21.69 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

ClientSampleId :

CB2Y9

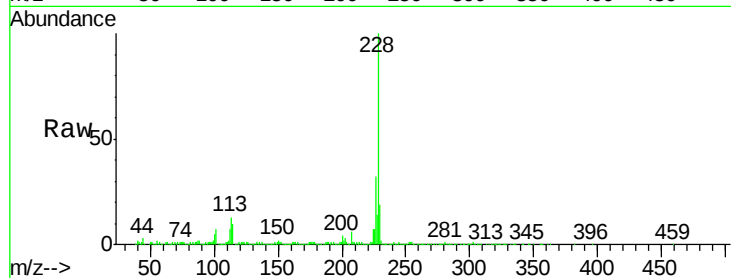
Tgt Ion:228 Resp: 425203

Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.6

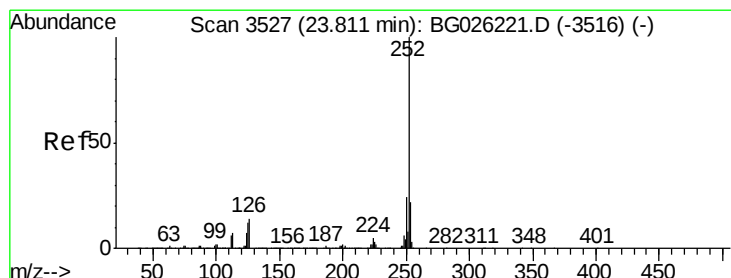
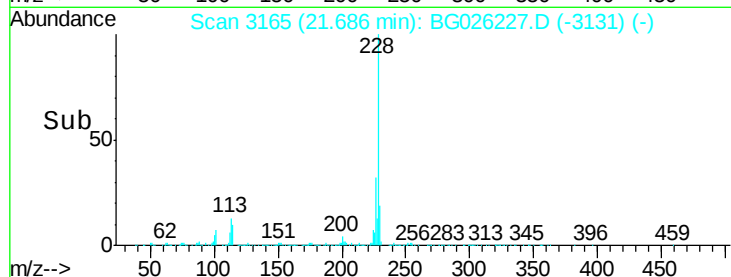
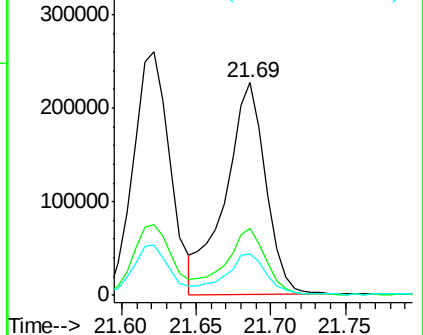
229 19.3 16.6 25.0



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: 18.17 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

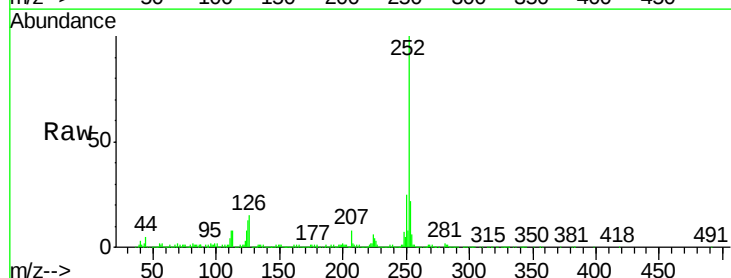
Tgt Ion:252 Resp: 589112

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

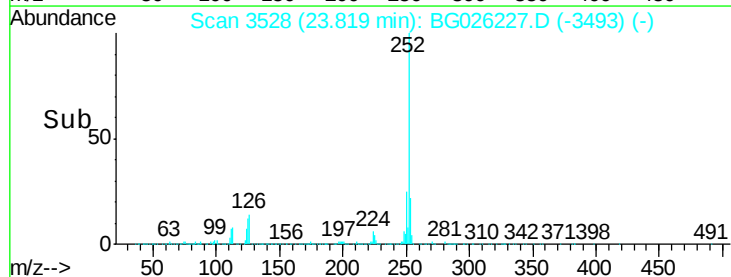
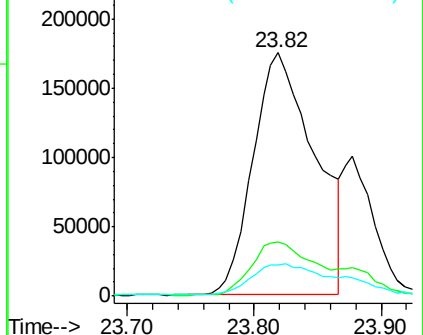
125 12.9 9.4 14.0

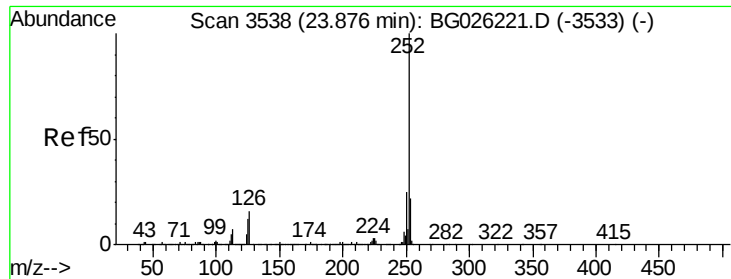


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 19.03 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.06 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

ClientSampleId :

CB2Y9

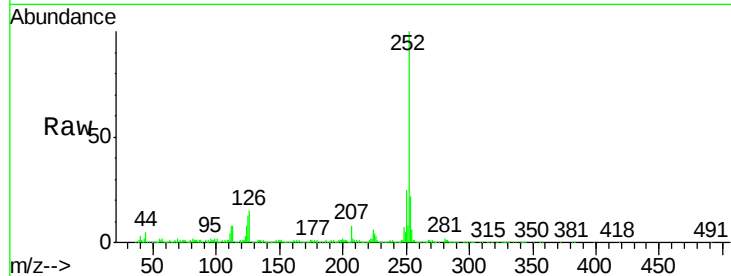
Tgt Ion:252 Resp: 589112

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

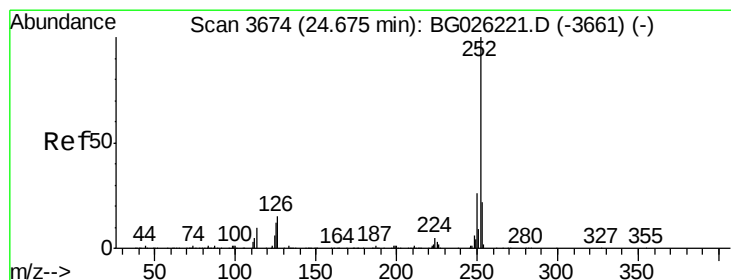
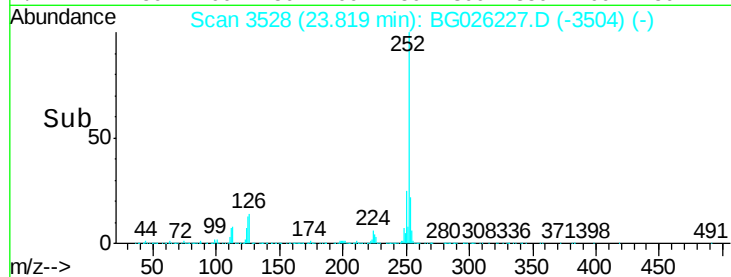
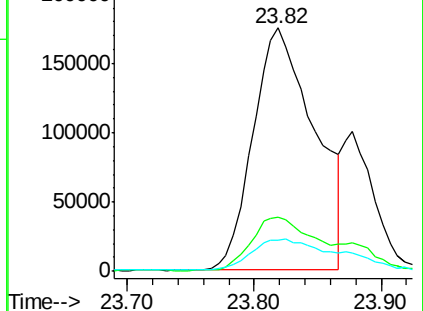
125 12.9 8.8 13.2



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

Benzo(a)pyrene

Concen: 13.14 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

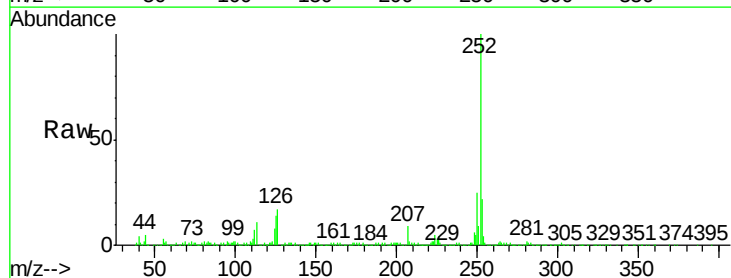
Tgt Ion:252 Resp: 395972

Ion Ratio Lower Upper

252 100

253 22.0 17.1 25.7

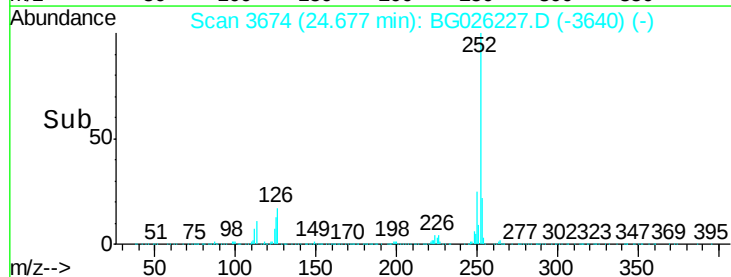
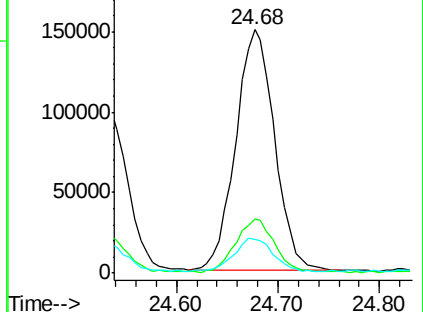
125 14.0 9.4 14.2

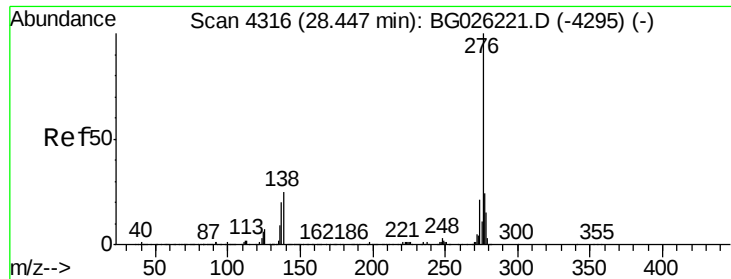


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Indeno(1,2,3-cd)pyrene

Concen: 8.23 ng/ul

RT: 28.45 min Scan# 4317

Delta R.T. 0.01 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

ClientSampleId :

CB2Y9

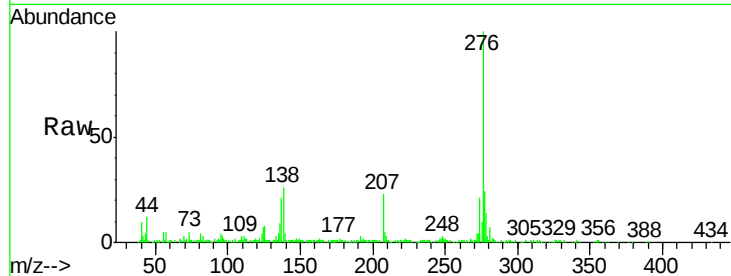
Tgt Ion:276 Resp: 276256

Ion Ratio Lower Upper

276 100

138 25.7 17.8 26.6

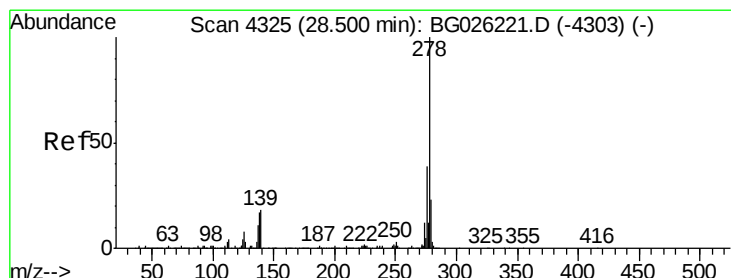
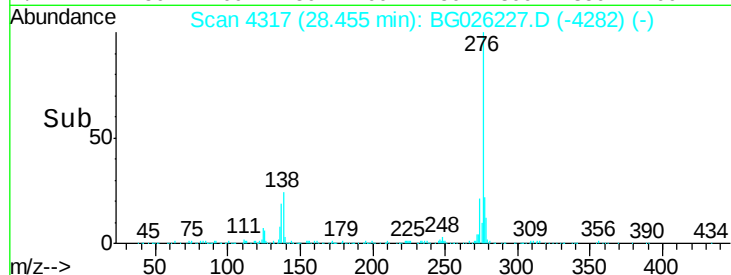
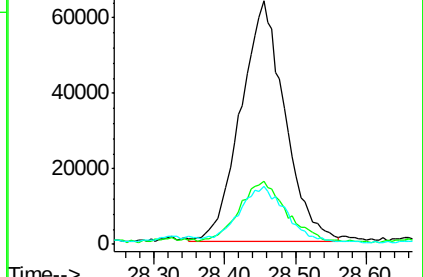
277 23.9 19.4 29.0



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: 1.40 ng/ul

RT: 28.50 min Scan# 4324

Delta R.T. -0.00 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

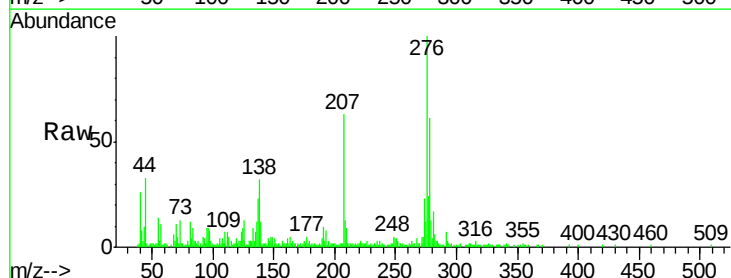
Tgt Ion:278 Resp: 36845

Ion Ratio Lower Upper

278 100

139 18.9 14.0 21.0

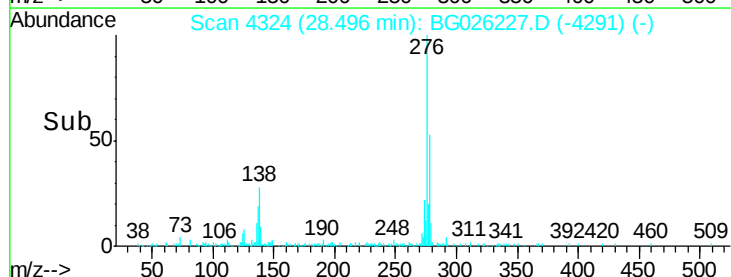
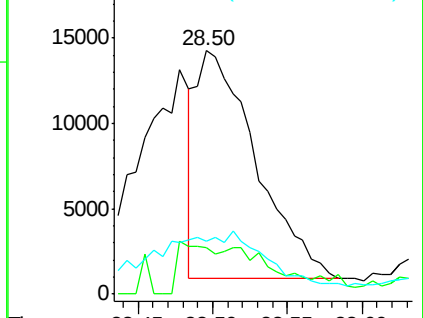
279 21.8 20.6 31.0

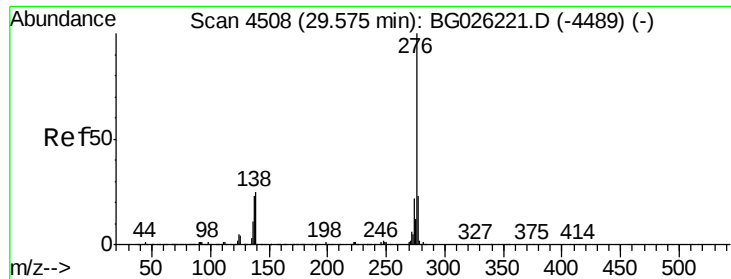


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(g,h,i)perylene

Concen: 8.60 ng/ul

RT: 29.58 min Scan# 4509

Delta R.T. 0.01 min

Lab File: BG026227.D

Acq: 14 Mar 2017 1:03

Instrument :

BNA_G

ClientSampleId :

CB2Y9

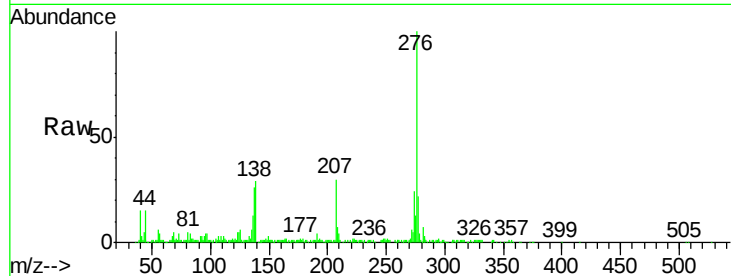
Tgt Ion:276 Resp: 246217

Ion Ratio Lower Upper

276 100

138 29.4 19.0 28.4#

277 21.8 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

