

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026216.D
 Acq On : 13 Mar 2017 17:51
 Operator : SJ/MA
 Sample : I2217-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:54:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 15 05:51:09 2017
 Response via : Initial Calibration

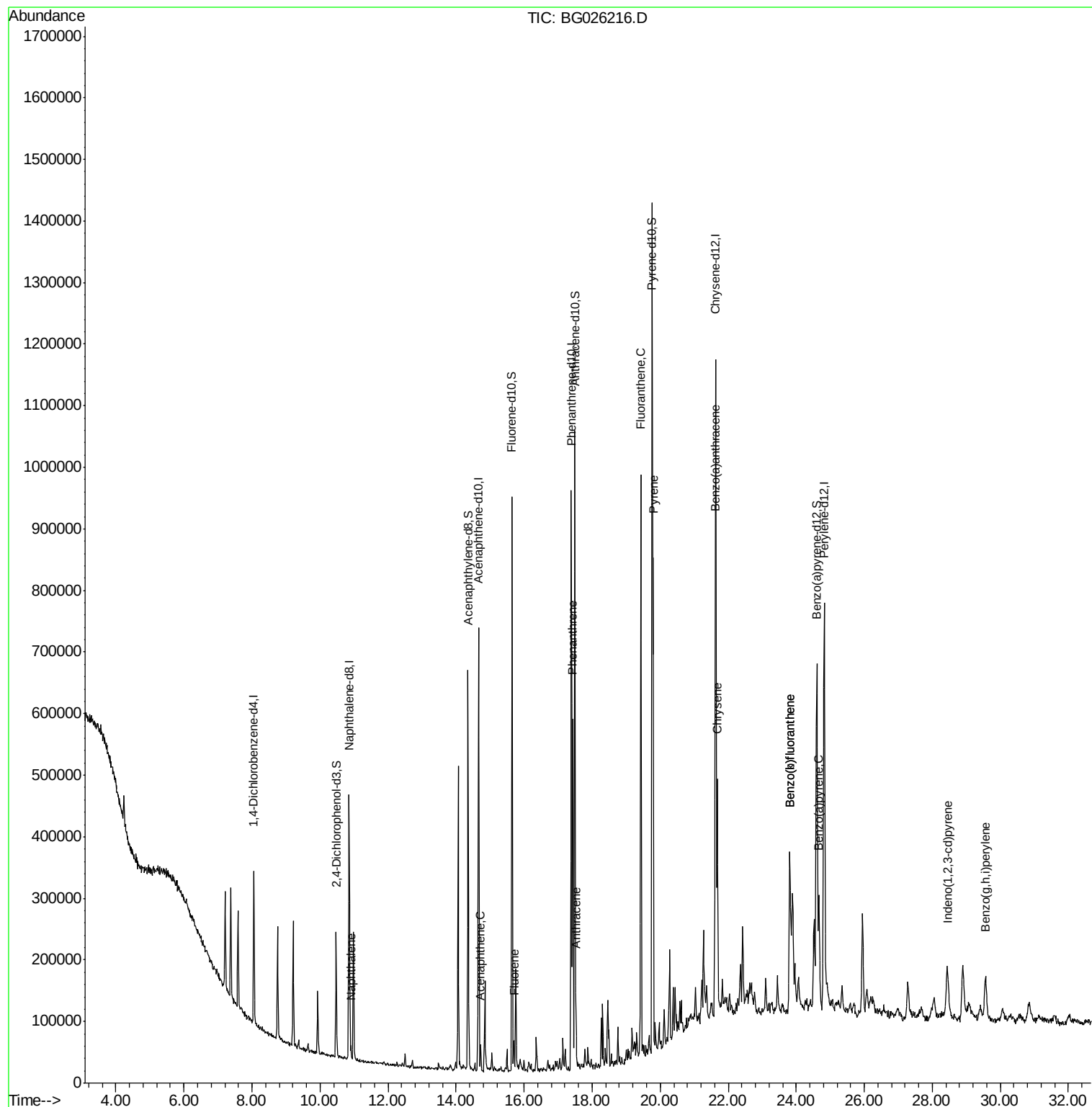
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	73172	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	368266	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	235715	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	568794	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	600597	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	566834	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	81358	14.92	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	499442	24.85	ng/ul	0.00
10) Fluorene-d10	15.64	176	371850	25.36	ng/ul	0.00
15) Anthracene-d10	17.49	188	565281	22.36	ng/ul	0.00
19) Pyrene-d10	19.76	212	628934	20.52	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	577572	23.63	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	19507	1.08	ng/ul#	94
9) Acenaphthene	14.72	153	17942	1.24	ng/ul	91
11) Fluorene	15.70	166	20927	1.28	ng/ul	96
14) Phenanthrene	17.43	178	353285	11.72	ng/ul	99
16) Anthracene	17.52	178	75318	2.47	ng/ul	99
17) Fluoranthene	19.43	202	563357	18.00	ng/ul	100
20) Pyrene	19.79	202	481979	12.60	ng/ul	99
21) Benzo(a)anthracene	21.61	228	262217	7.84	ng/ul	98
22) Chrysene	21.68	228	254032	8.14	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	329978	10.25	ng/ul	99
25) Benzo(k)fluoranthene	23.81	252	329978	10.74	ng/ul	98
27) Benzo(a)pyrene	24.67	252	179476	6.00	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.44	276	130748	3.92	ng/ul	94
30) Benzo(a,h,i)perylene	29.57	276	121106	4.26	ng/ul	96

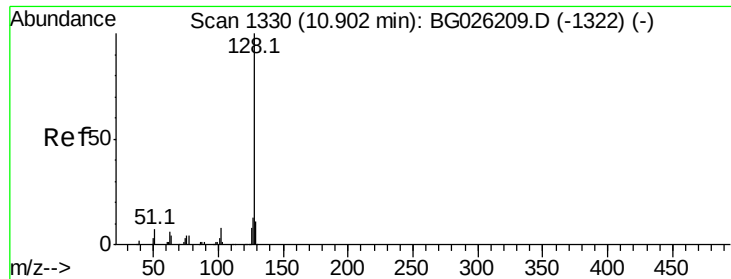
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.08 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

ClientSampled :

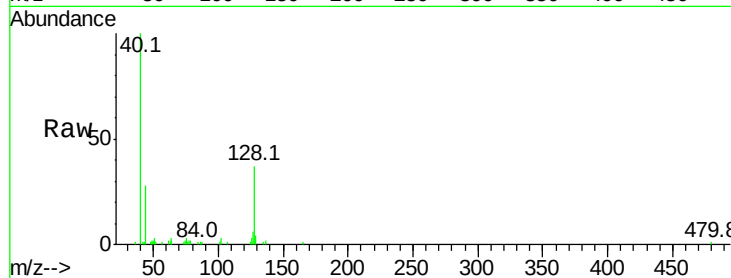
Tot Ion:128 Resp: 19507

Ion Ratio Lower Upper

128 100

129 10.2 9.1 13.7

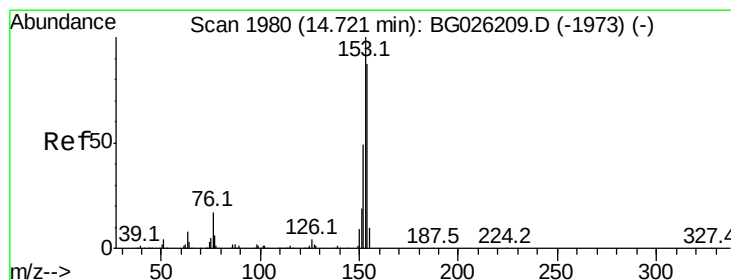
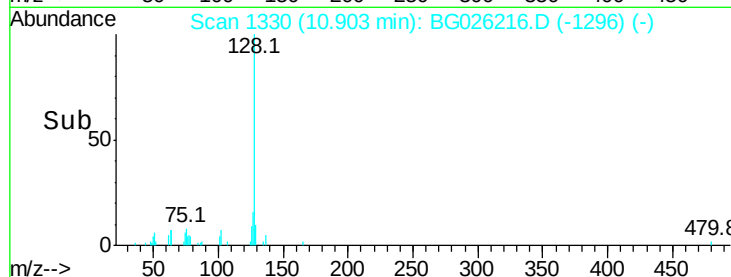
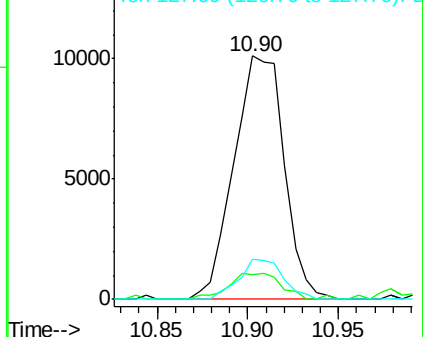
127 16.4 10.6 15.8#



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: 1.24 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

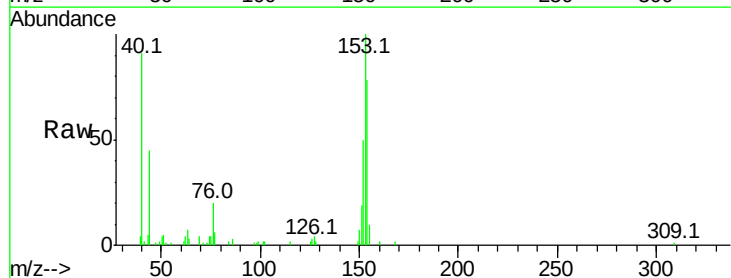
Tgt Ion:153 Resp: 17942

Ion Ratio Lower Upper

153 100

152 49.5 37.9 56.9

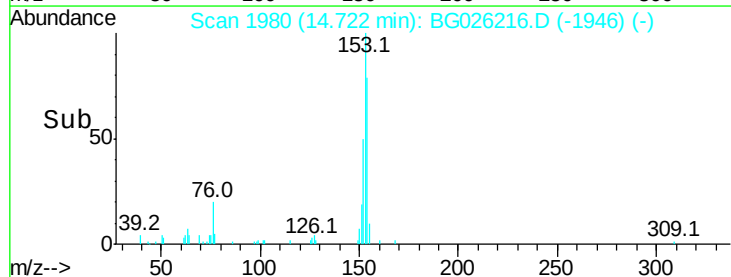
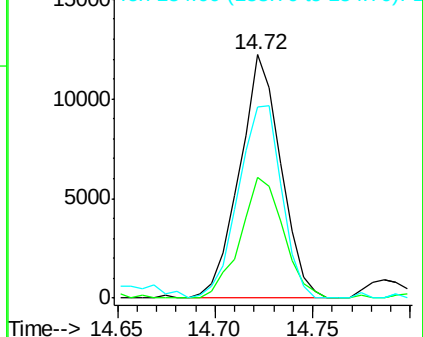
154 78.4 71.6 107.4

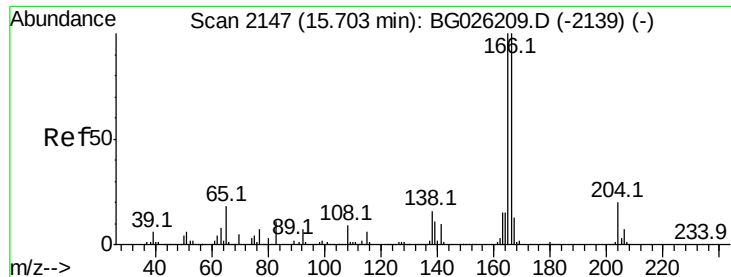


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

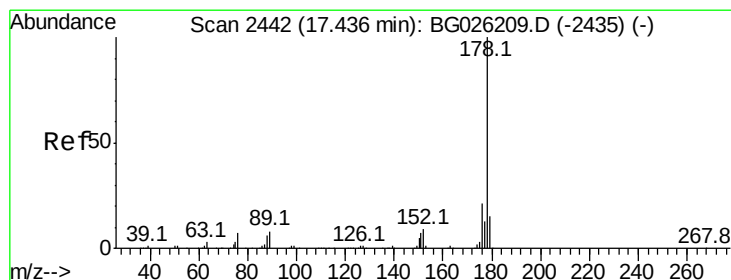
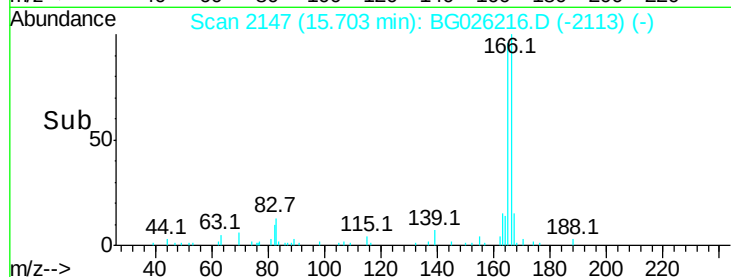
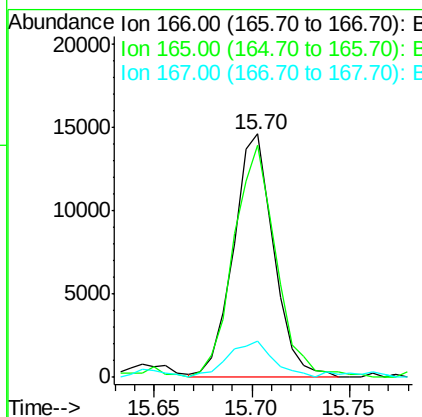
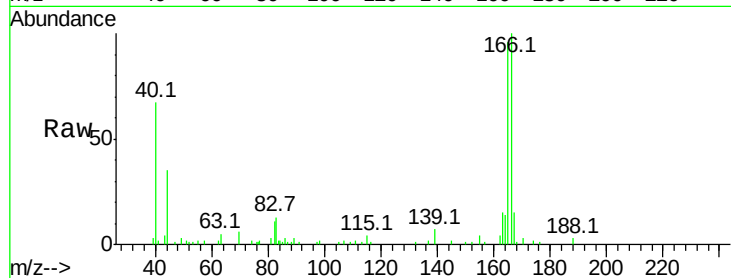




#11
 Fluorene
 Concen: 1.28 ng/ul
 RT: 15.70 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: BG026216.D
 Acq: 13 Mar 2017 17:51

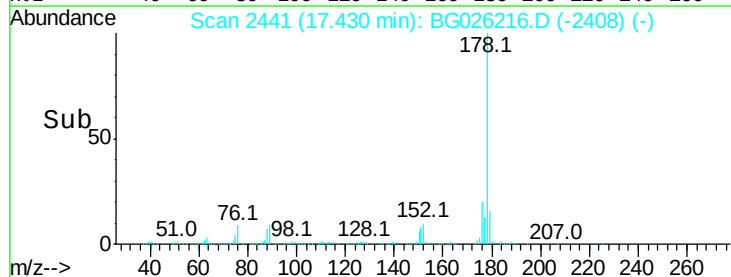
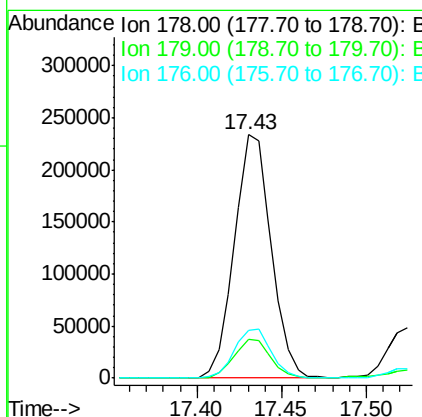
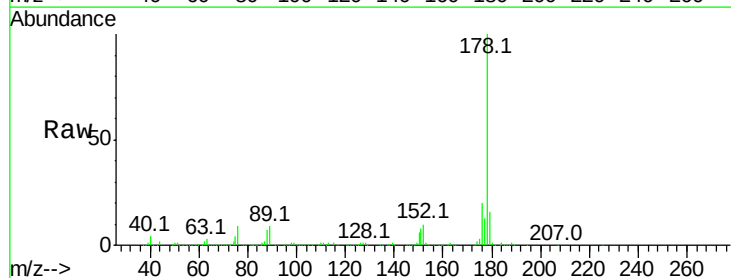
Instrument :
 BNA_G
 ClientSampleId :

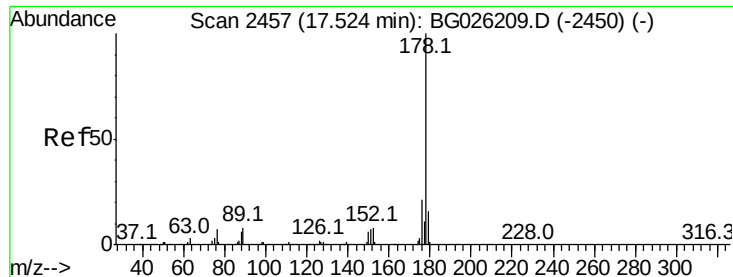
Tot Ion:166 Resp: 20927
 Ion Ratio Lower Upper
 166 100
 165 95.5 80.0 120.0
 167 15.0 11.6 17.4



#14
 Phenanthrene
 Concen: 11.72 ng/ul
 RT: 17.43 min Scan# 2441
 Delta R.T. -0.01 min
 Lab File: BG026216.D
 Acq: 13 Mar 2017 17:51

Tgt Ion:178 Resp: 353285
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.2 18.4
 176 19.8 16.4 24.6





#16

Anthracene

Concen: 2.47 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

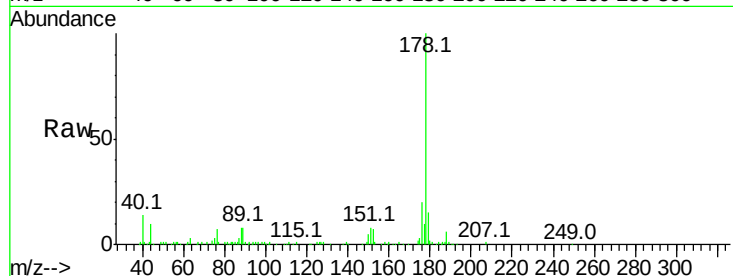
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 75318

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.7	19.1
176	19.6	15.8	23.8

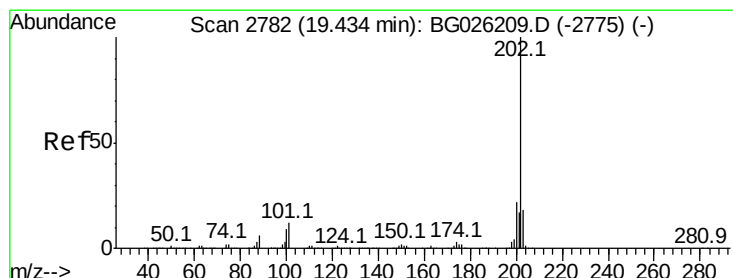
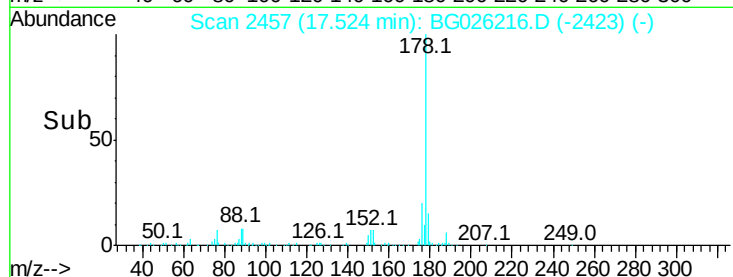
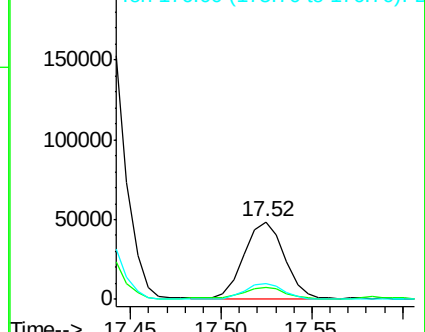


Abundance

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



#17

Fluoranthene

Concen: 18.00 ng/ul

RT: 19.43 min Scan# 2782

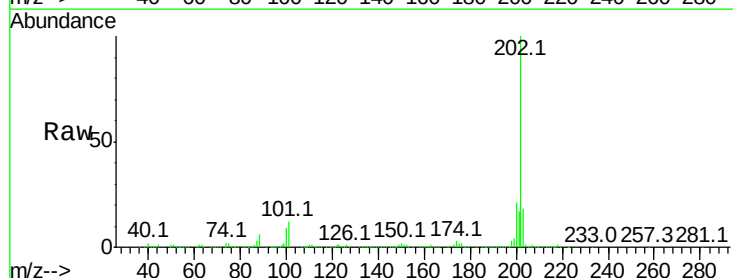
Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Tgt Ion:202 Resp: 563357

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.8	14.8
100	9.5	7.5	11.3

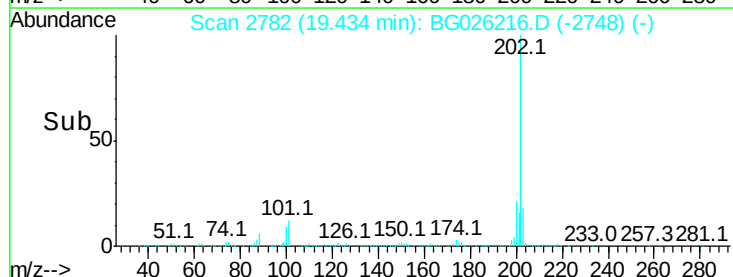
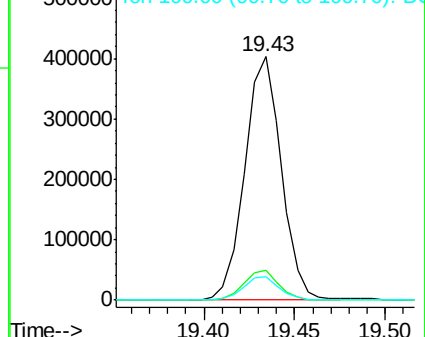


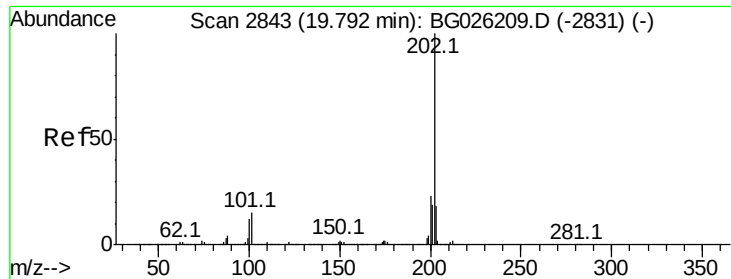
Abundance

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

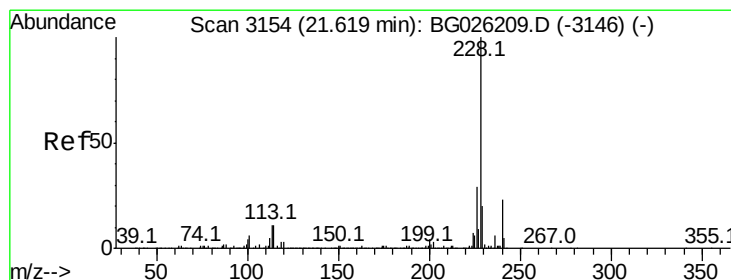
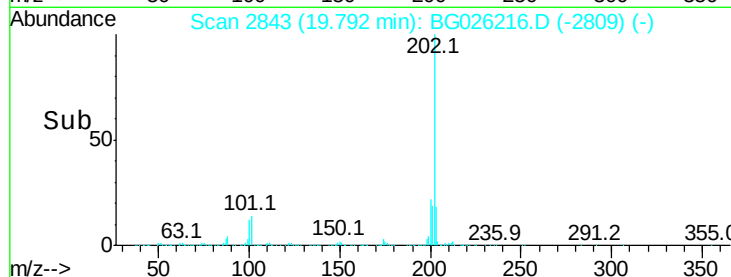
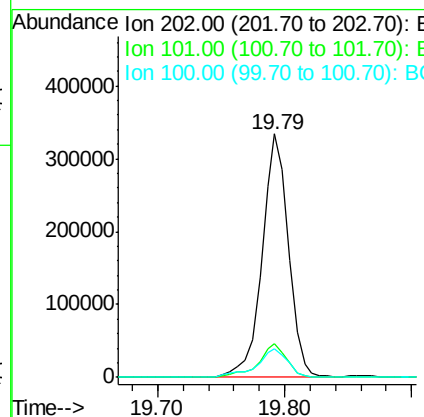
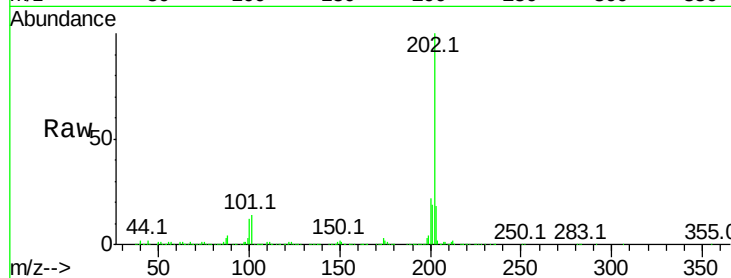




#20
Pvrene
Concen: 12.60 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026216.D
Acq: 13 Mar 2017 17:51

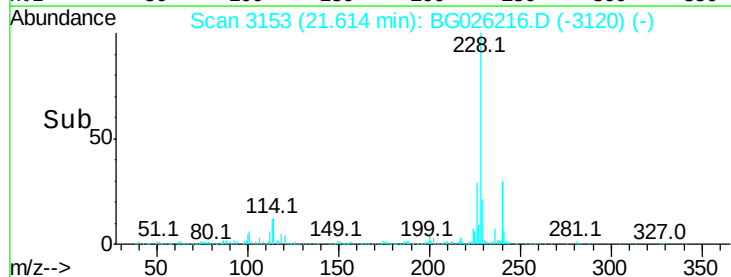
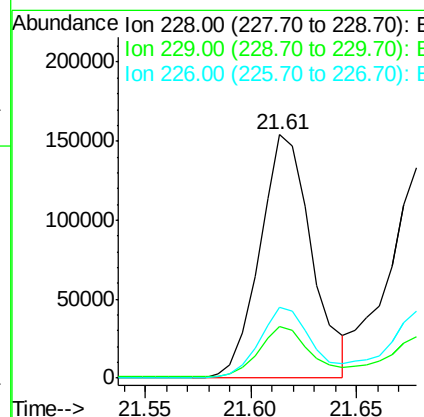
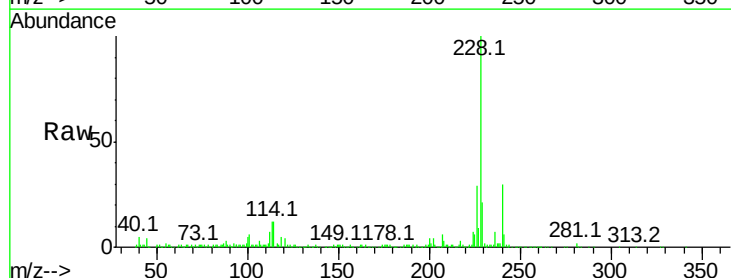
Instrument :
BNA_G
ClientSampleId :

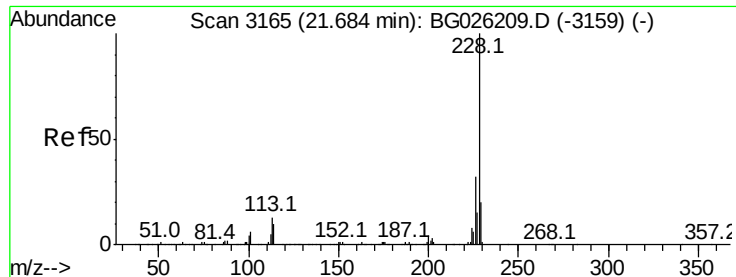
Tot Ion:202 Resp: 481979
Ion Ratio Lower Upper
202 100
101 13.8 11.2 16.8
100 11.6 9.8 14.6



#21
Benzo(a)anthracene
Concen: 7.84 ng/ul
RT: 21.61 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG026216.D
Acq: 13 Mar 2017 17:51

Tgt Ion:228 Resp: 262217
Ion Ratio Lower Upper
228 100
229 21.0 15.9 23.9
226 28.9 22.1 33.1





#22

Chrysene

Concen: 8.14 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

ClientSampleId :

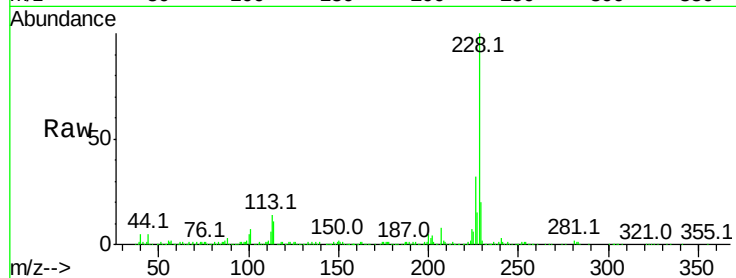
Tot Ion:228 Resp: 254032

Ion Ratio Lower Upper

228 100

226 31.9 25.0 37.6

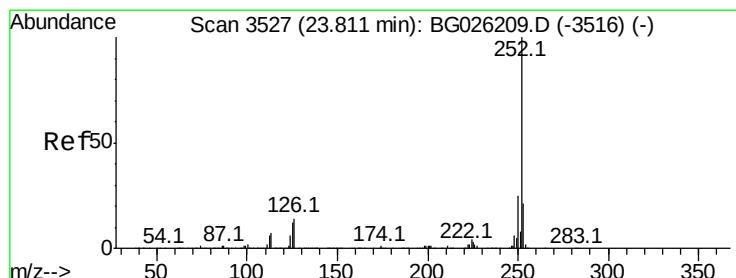
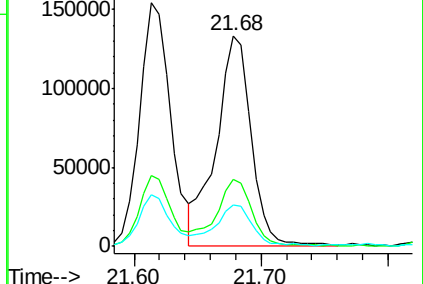
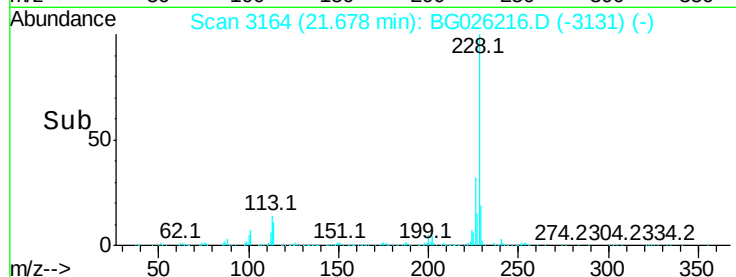
229 19.8 16.6 25.0



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: 10.25 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

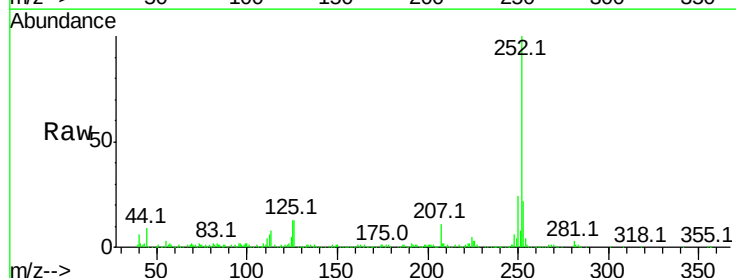
Tgt Ion:252 Resp: 329978

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

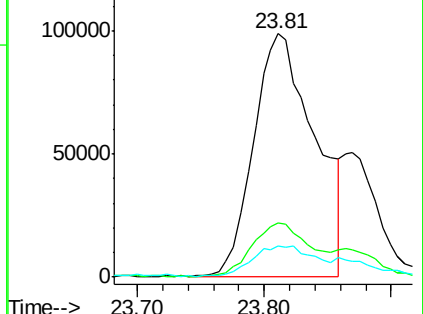
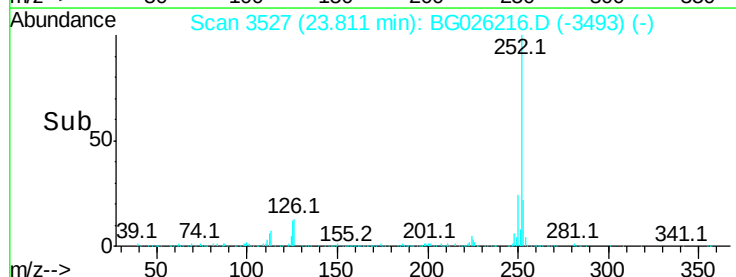
125 12.7 9.4 14.0

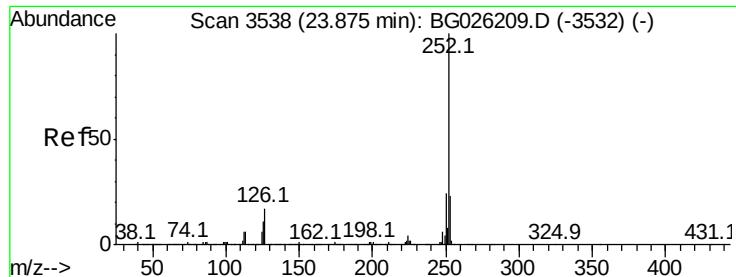


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 10.74 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

ClientSampleId :

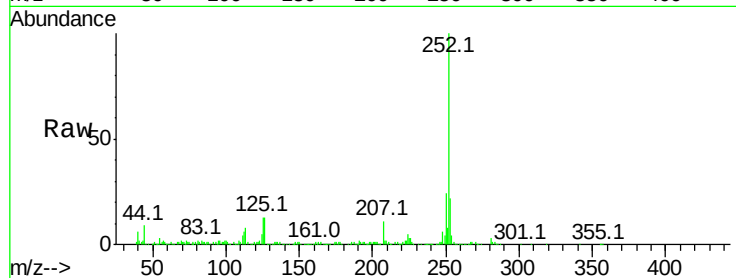
Tot Ion:252 Resp: 329978

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

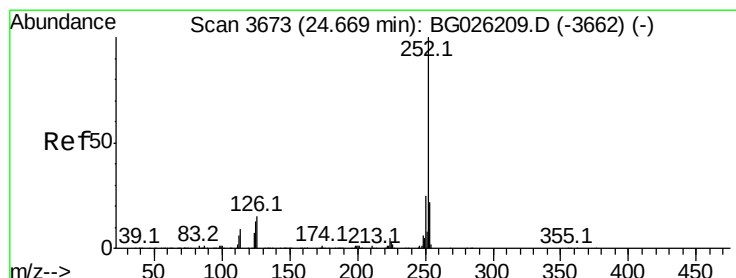
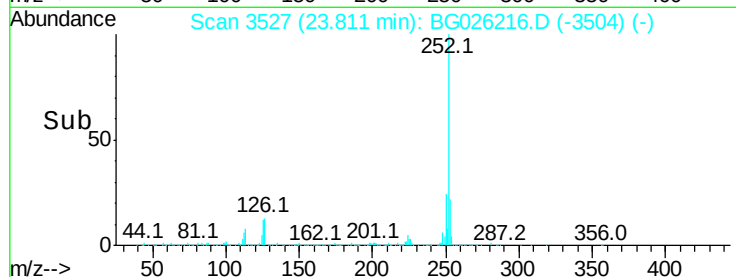
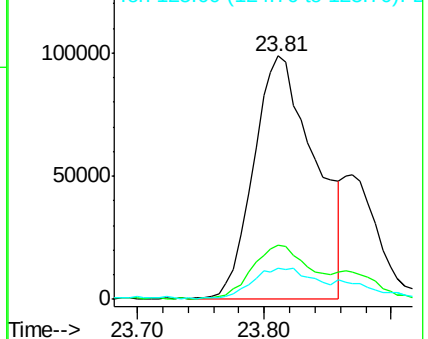
125 12.7 8.8 13.2



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: 6.00 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

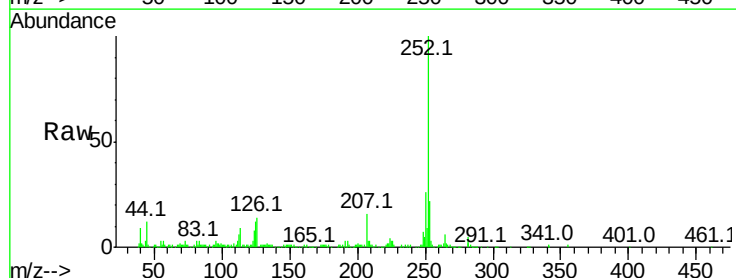
Tgt Ion:252 Resp: 179476

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

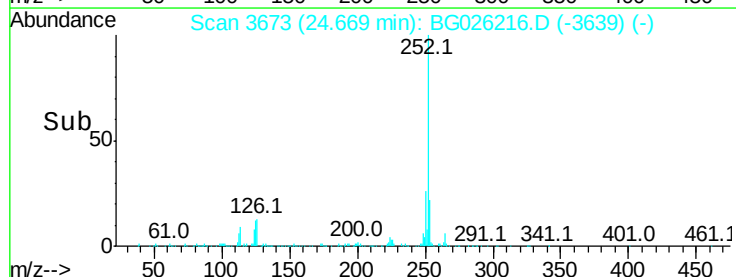
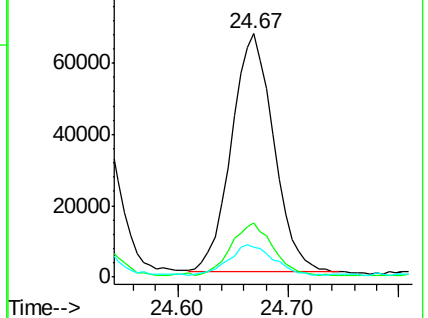
125 12.5 9.4 14.2

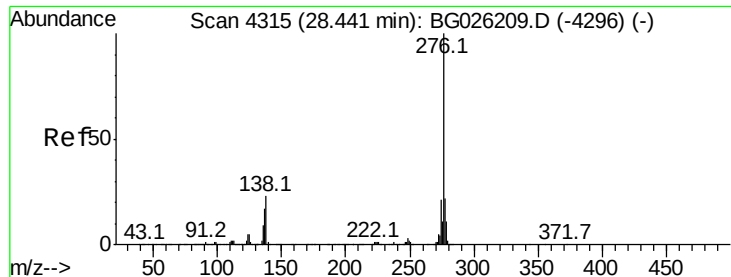


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.92 ng/ul

RT: 28.44 min Scan# 4315

Delta R.T. 0.00 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

Instrument :

BNA_G

ClientSampleId :

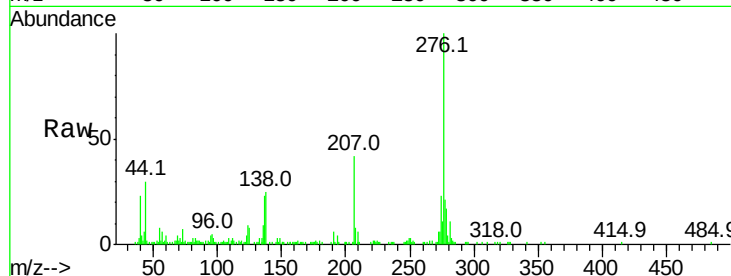
Tot Ion:276 Resp: 130748

Ion Ratio Lower Upper

276 100

138 24.8 17.8 26.6

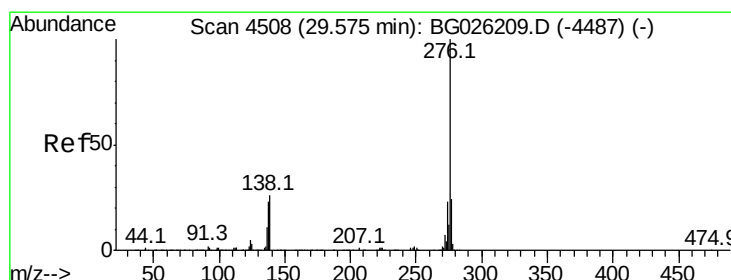
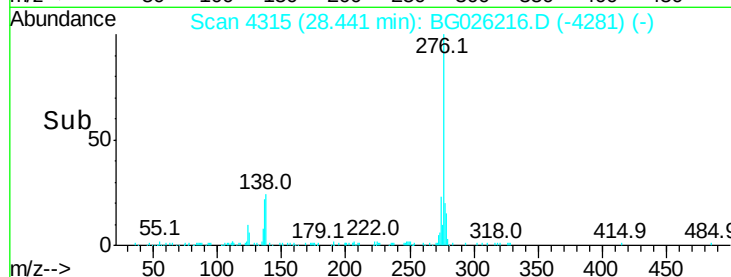
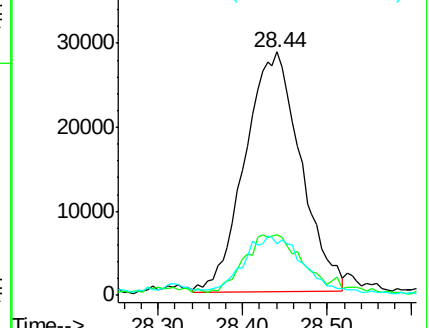
277 21.1 19.4 29.0



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



#30

Benzo(g,h,i)perylene

Concen: 4.26 ng/ul

RT: 29.57 min Scan# 4507

Delta R.T. -0.01 min

Lab File: BG026216.D

Acq: 13 Mar 2017 17:51

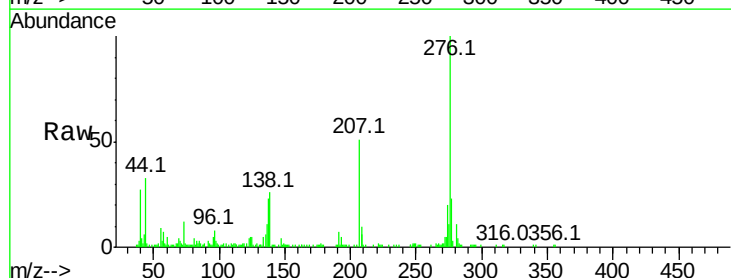
Tgt Ion:276 Resp: 121106

Ion Ratio Lower Upper

276 100

138 25.7 19.0 28.4

277 22.7 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

