

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112717\
 Data File : BG031242.D
 Acq On : 27 Nov 2017 23:22
 Operator : SJ/JU
 Sample : I6506-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 28 07:25:13 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 28 07:19:57 2017
 Response via : Initial Calibration

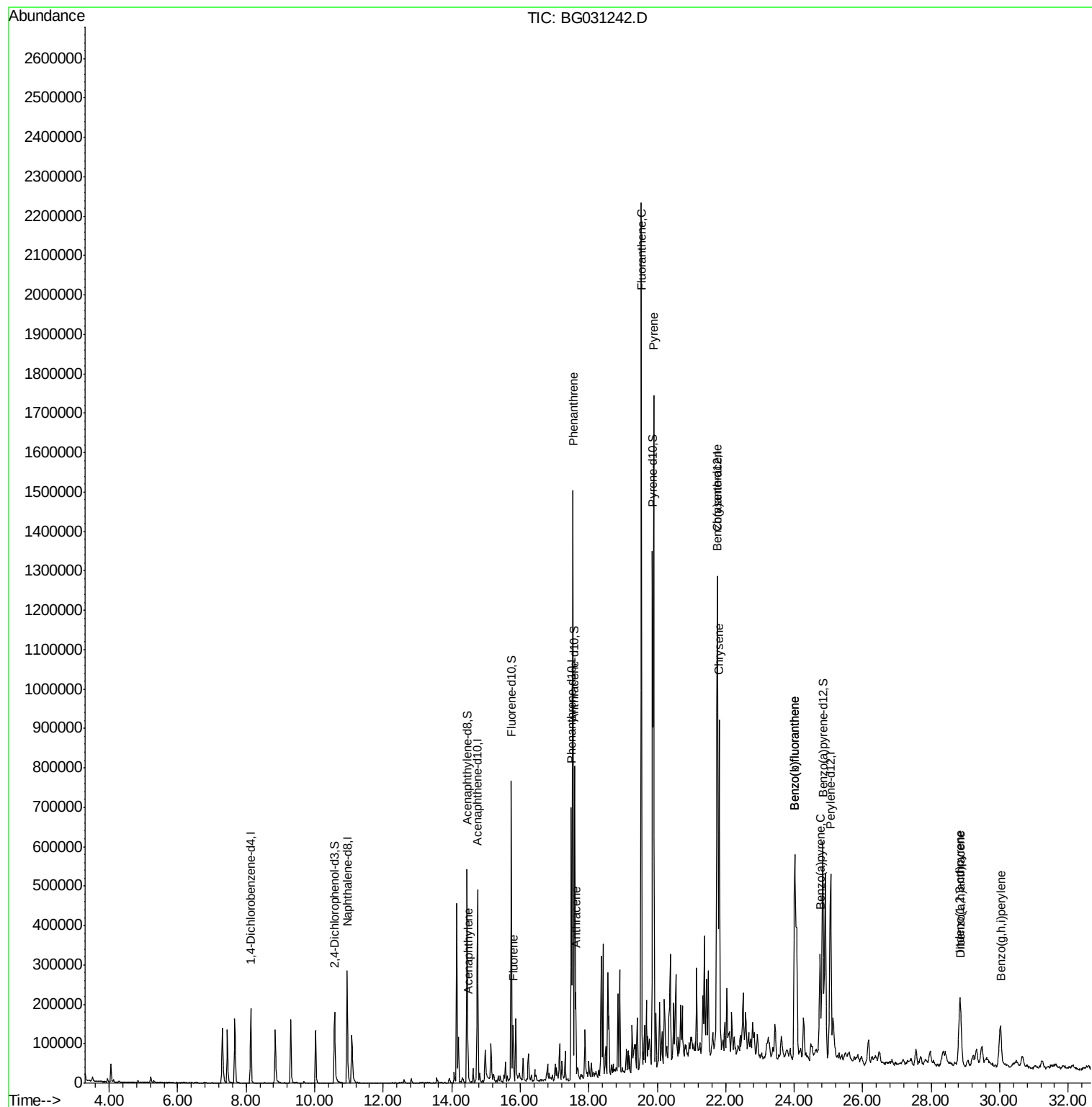
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	60145	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	263279	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.75	164	174047	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.49	188	436217	20.00	ng/ul	0.00
18) Chrysene-d12	21.76	240	503445	20.00	ng/ul	0.00
23) Perylene-d12	25.06	264	519740	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.58	165	95345	19.19	ng/uL	0.00
7) Acenaphthylene-d8	14.45	160	424251	23.44	ng/ul	0.00
10) Fluorene-d10	15.74	176	322335	22.17	ng/ul	0.00
15) Anthracene-d10	17.59	188	492820	22.57	ng/ul	0.00
19) Pyrene-d10	19.87	212	608489	26.46	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.83	264	589550	22.93	ng/ul	0.00
Target Compounds				Qvalue		
8) Acenaphthylene	14.48	152	61743	3.89	ng/ul	97
11) Fluorene	15.79	166	63698	4.40	ng/ul	94
14) Phenanthrene	17.54	178	962868	41.13	ng/ul	99
16) Anthracene	17.63	178	155016	6.52	ng/ul	98
17) Fluoranthene	19.54	202	1383414	42.46	ng/ul#	92
20) Pyrene	19.90	202	1129892	42.29	ng/ul#	90
21) Benzo(a)anthracene	21.74	228	626242	20.42	ng/ul	99
22) Chrysene	21.81	228	609564	20.89	ng/ul	98
24) Benzo(b)fluoranthene	24.02	252	717075	22.84	ng/ul#	96
25) Benzo(k)fluoranthene	24.02	252	717075	23.18	ng/ul#	96
27) Benzo(a)pyrene	24.75	252	291462	9.68	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.84	276	292292	8.52	ng/ul#	94
29) Dibenzo(a,h)anthracene	28.86	278	46275	1.63	ng/ul#	93
30) Benzo(a,h,i)perylene	30.02	276	211170	7.39	ng/ul#	92

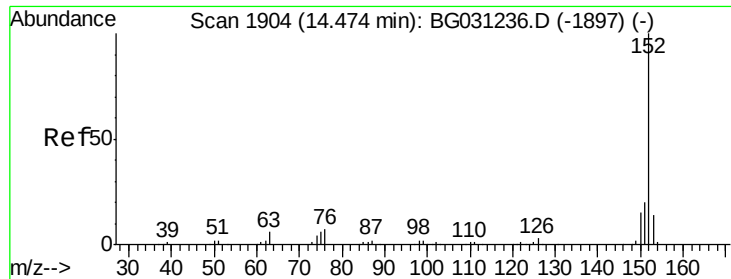
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 3.89 ng/ul

RT: 14.48 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BG031242.D

Acq: 27 Nov 2017 23:22

Instrument :

BNA_G

ClientSampleId :

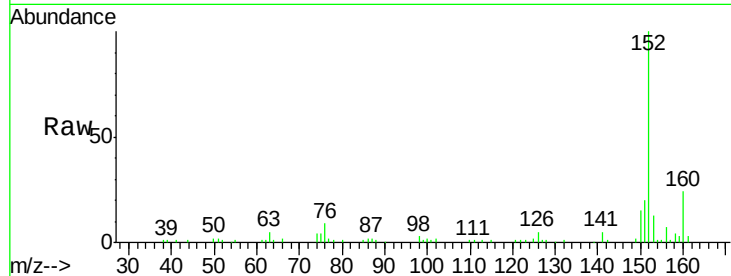
Tot Ion:152 Resp: 61743

Ion Ratio Lower Upper

152 100

151 20.1 17.5 26.3

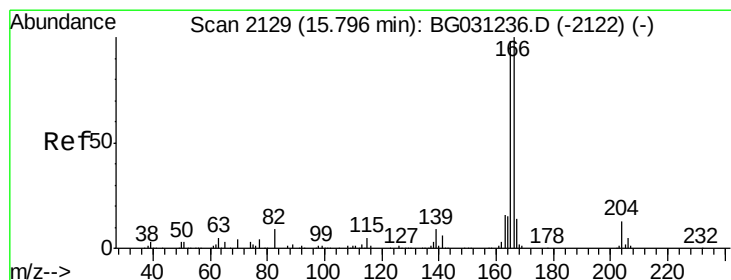
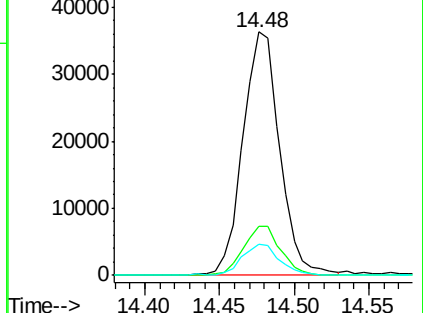
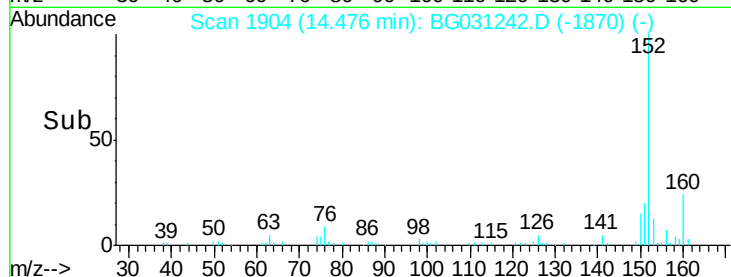
153 12.9 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Fluorene

Concen: 4.40 ng/ul

RT: 15.79 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BG031242.D

Acq: 27 Nov 2017 23:22

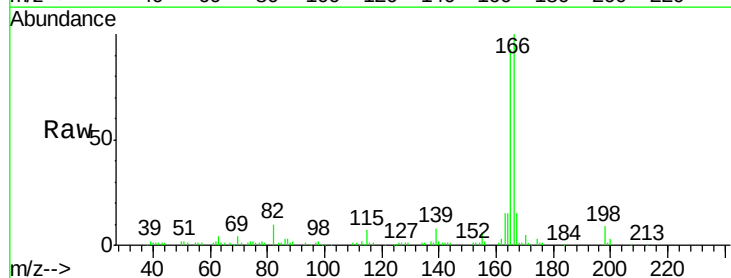
Tgt Ion:166 Resp: 63698

Ion Ratio Lower Upper

166 100

165 93.3 80.0 120.0

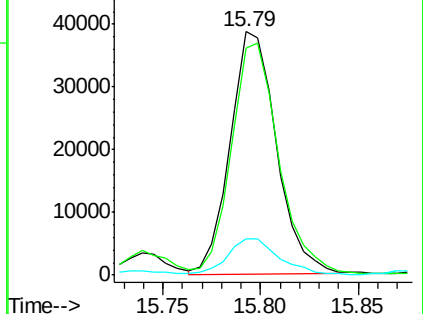
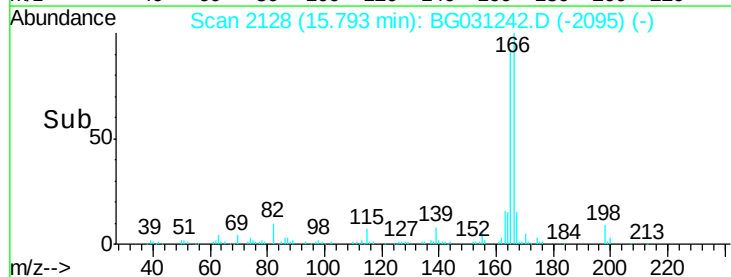
167 15.1 11.6 17.4

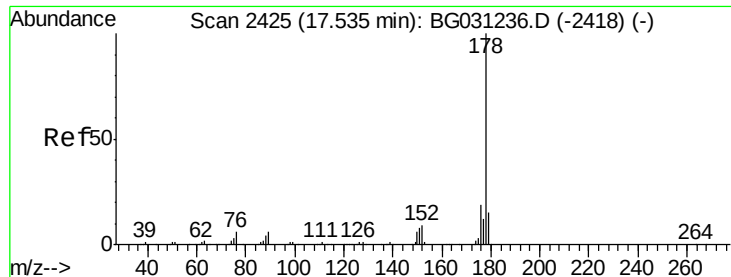


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 41.13 ng/ul

RT: 17.54 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG031242.D

Acq: 27 Nov 2017 23:22

Instrument :

BNA_G

ClientSampleId :

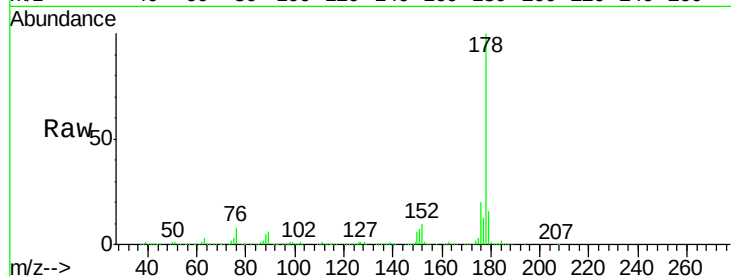
Tot Ion:178 Resp: 962868

Ion Ratio Lower Upper

178 100

179 16.4 12.2 18.4

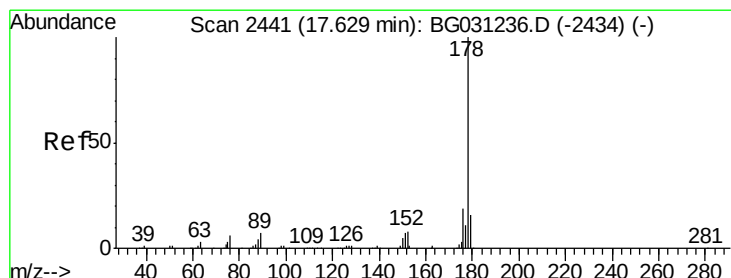
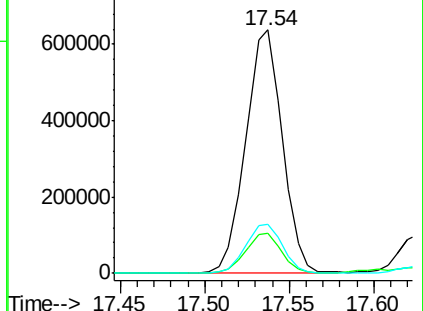
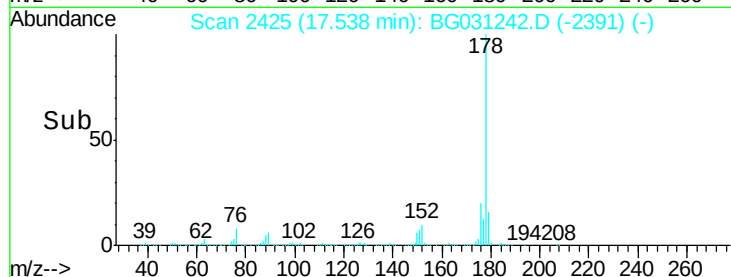
176 20.3 16.4 24.6



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: 6.52 ng/ul

RT: 17.63 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG031242.D

Acq: 27 Nov 2017 23:22

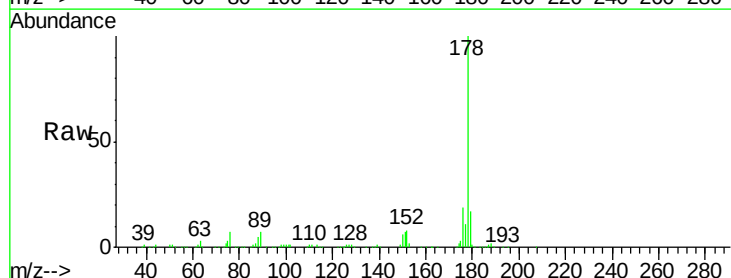
Tgt Ion:178 Resp: 155016

Ion Ratio Lower Upper

178 100

179 16.6 12.7 19.1

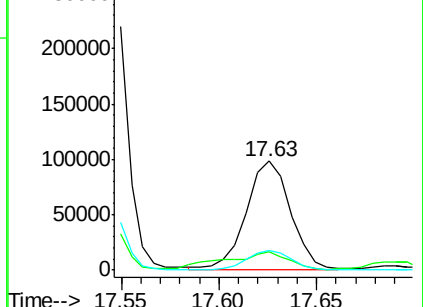
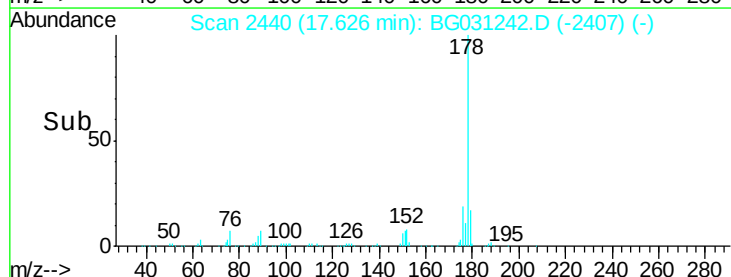
176 18.6 15.8 23.8

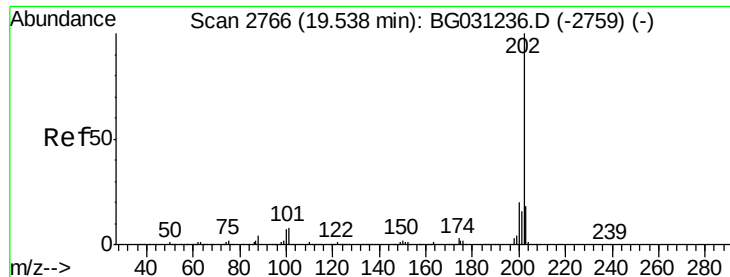


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

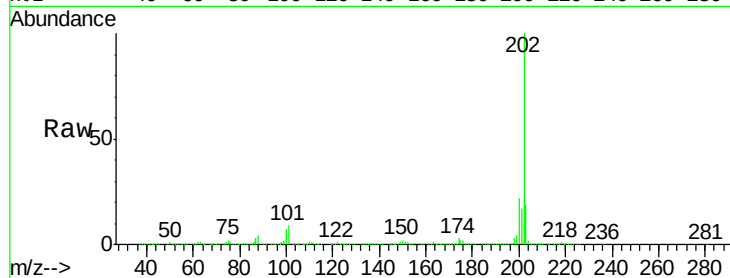




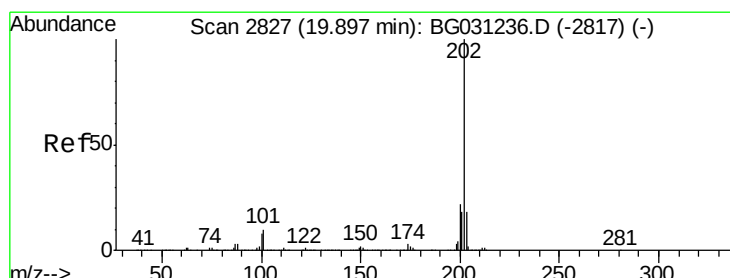
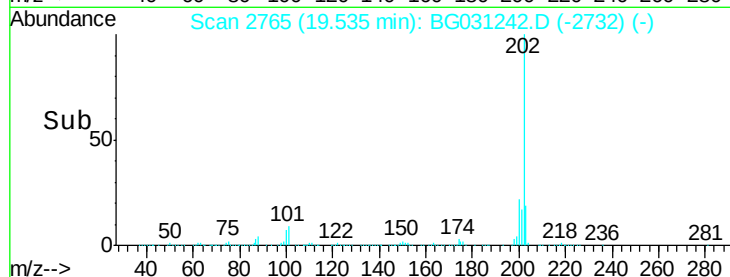
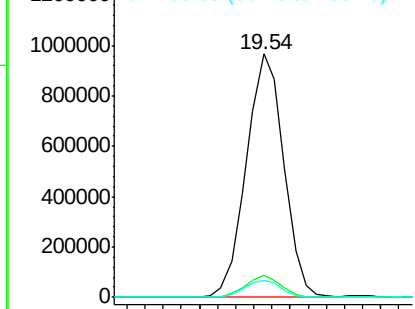
#17
 Fluoranthene
 Concen: 42.46 ng/ul
 RT: 19.54 min Scan# 2765
 Delta R.T. -0.00 min
 Lab File: BG031242.D
 Acq: 27 Nov 2017 23:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:202 Resp: 1383414
 Ion Ratio Lower Upper
 202 100
 101 8.9 9.8 14.8#
 100 7.2 7.5 11.3#

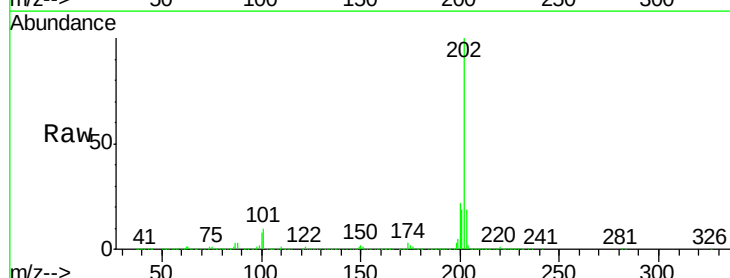


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

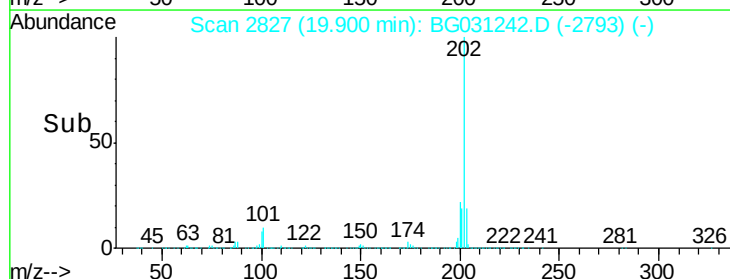
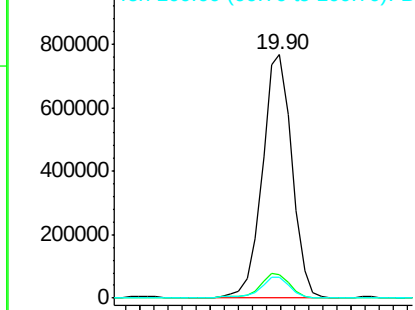


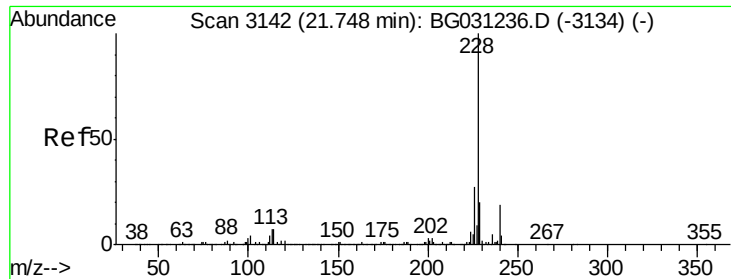
#20
 Pyrene
 Concen: 42.29 ng/ul
 RT: 19.90 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: BG031242.D
 Acq: 27 Nov 2017 23:22

Tgt Ion:202 Resp: 1129892
 Ion Ratio Lower Upper
 202 100
 101 9.7 11.2 16.8#
 100 8.3 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

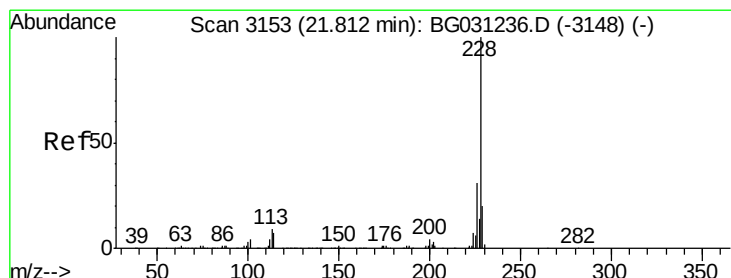
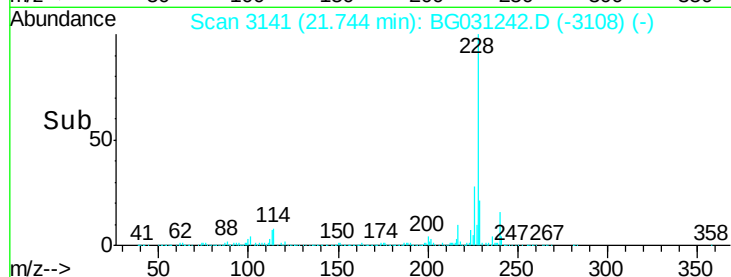
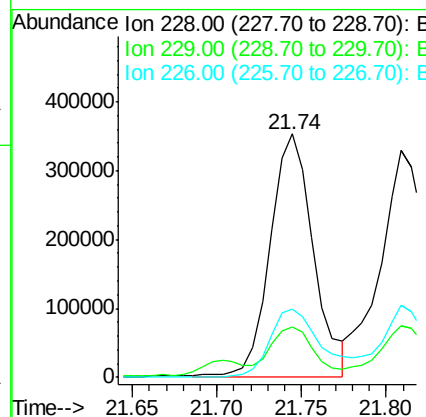
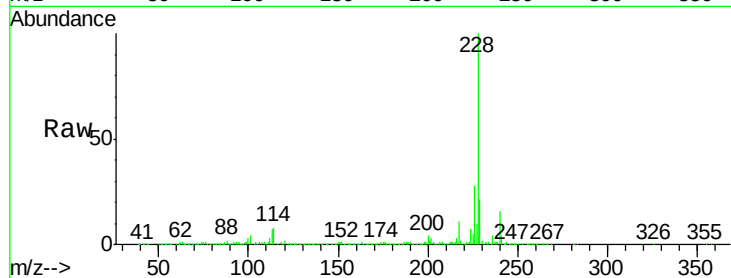




#21
Benzo(a)anthracene
Concen: 20.42 ng/ul
RT: 21.74 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

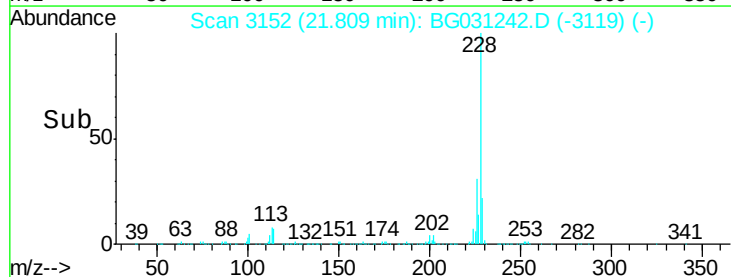
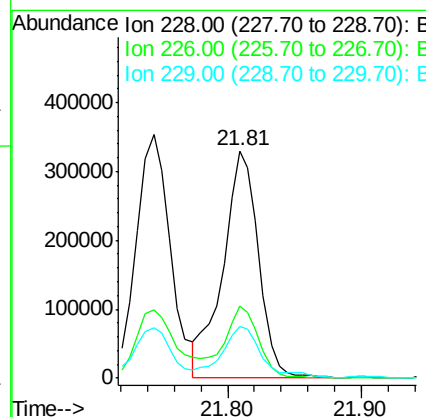
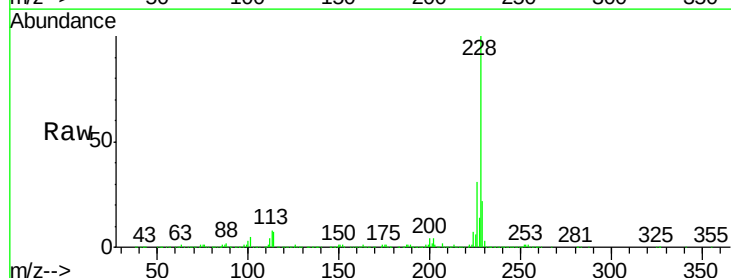
Instrument :
BNA_G
ClientSampleId :

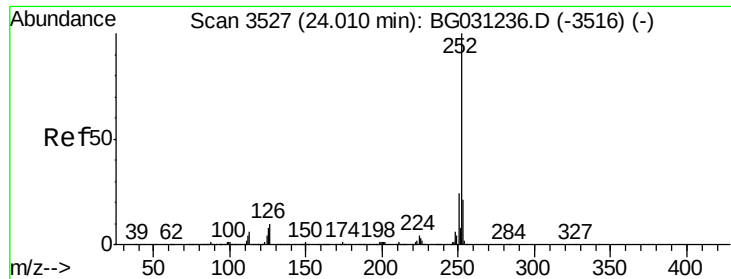
Tot Ion:228 Resp: 626242
Ion Ratio Lower Upper
228 100
229 20.9 15.9 23.9
226 27.9 22.1 33.1



#22
Chrysene
Concen: 20.89 ng/ul
RT: 21.81 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:228 Resp: 609564
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.5 16.6 25.0

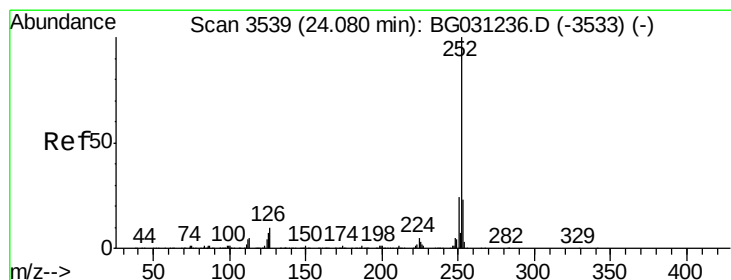
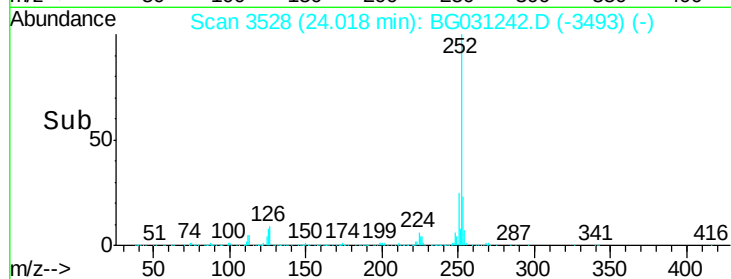
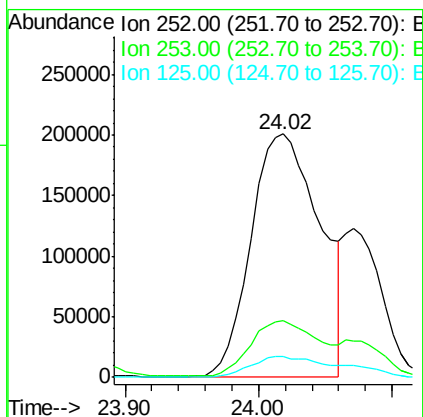
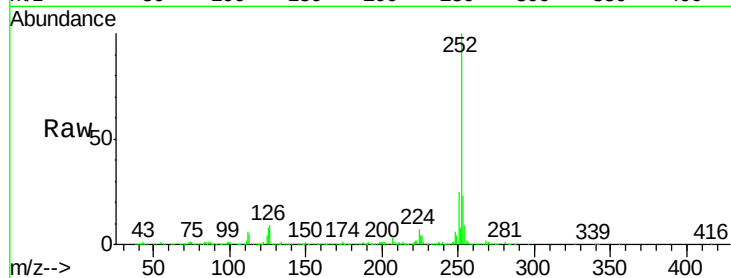




#24
Benzo(b)fluoranthene
Concen: 22.84 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. 0.01 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

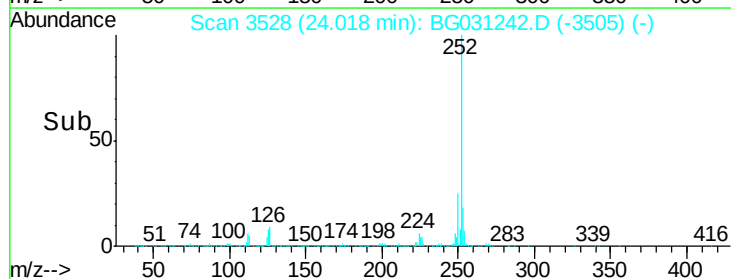
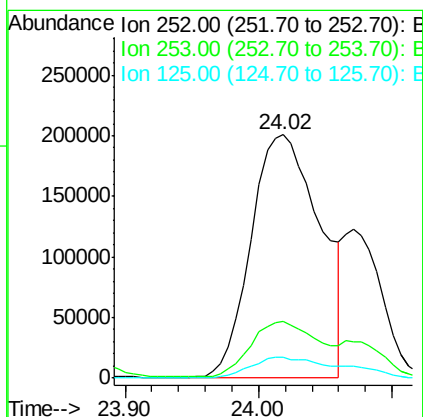
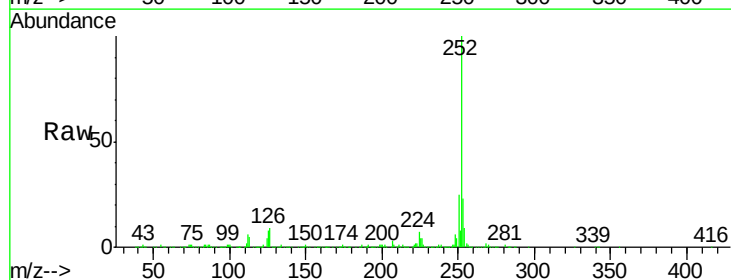
Instrument :
BNA_G
ClientSampled :

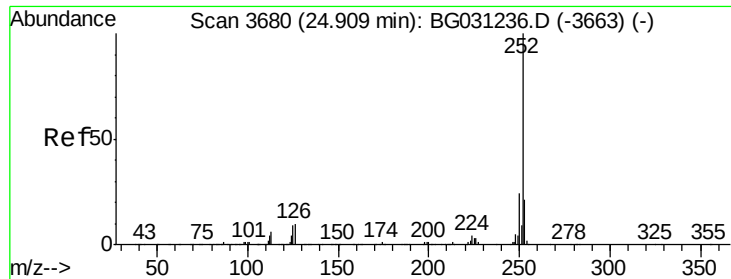
Tot Ion:252 Resp: 717075
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 8.5 9.4 14.0#



#25
Benzo(k)fluoranthene
Concen: 23.18 ng/ul
RT: 24.02 min Scan# 3528
Delta R.T. -0.06 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:252 Resp: 717075
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.5 8.8 13.2#

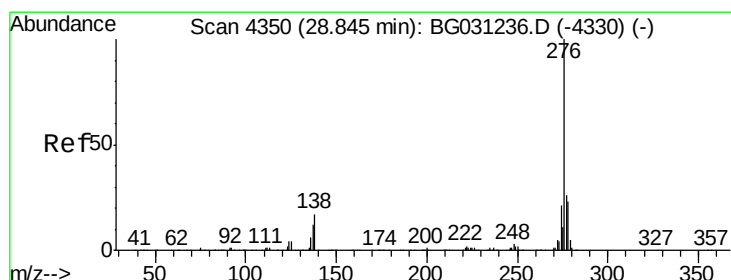
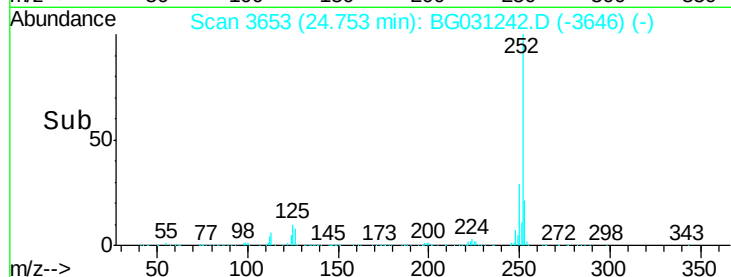
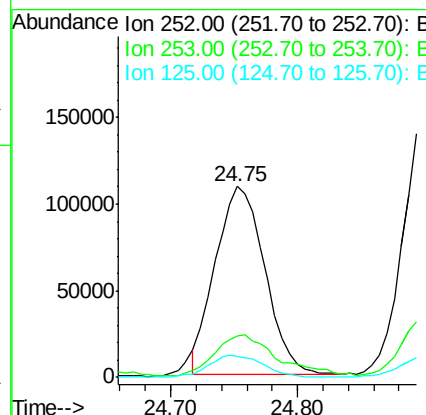
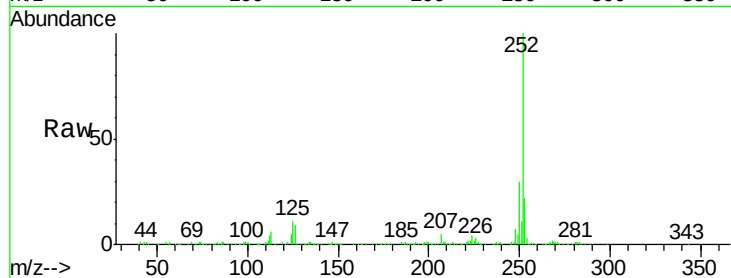




#27
Benzo(a)pyrene
Concen: 9.68 ng/ul
RT: 24.75 min Scan# 3653
Delta R.T. -0.16 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

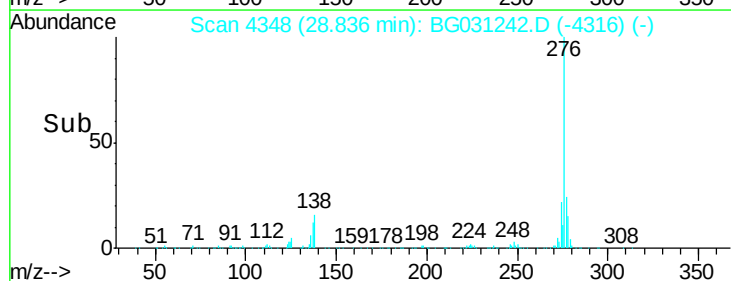
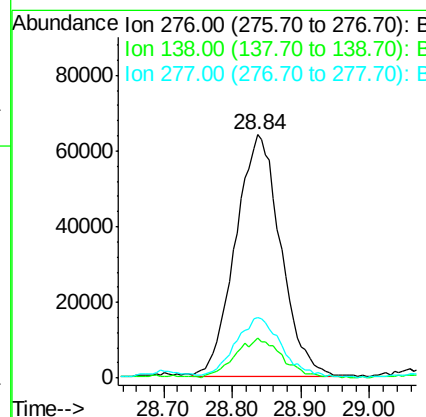
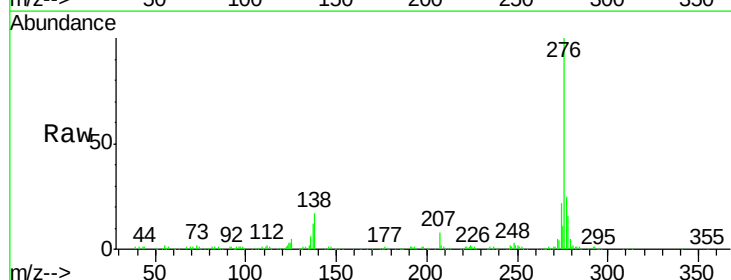
Instrument :
BNA_G
ClientSampleId :

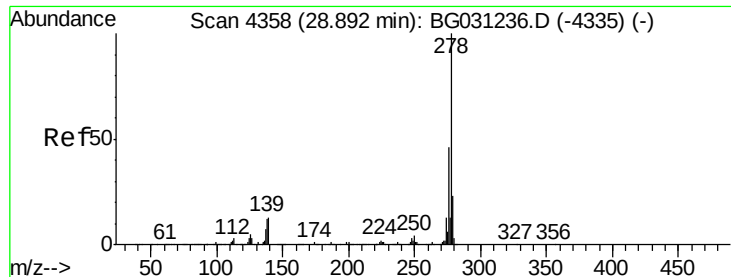
Tot Ion:252 Resp: 291462
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 10.7 9.4 14.2



#28
Indeno(1,2,3-cd)pyrene
Concen: 8.52 ng/ul
RT: 28.84 min Scan# 4348
Delta R.T. -0.01 min
Lab File: BG031242.D
Acq: 27 Nov 2017 23:22

Tgt Ion:276 Resp: 292292
Ion Ratio Lower Upper
276 100
138 16.6 17.8 26.6#
277 25.0 19.4 29.0





#29

Dibenzo(a,h)anthracene

Concen: 1.63 ng/ul

RT: 28.86 min Scan# 4352

Delta R.T. -0.03 min

Lab File: BG031242.D

Acq: 27 Nov 2017 23:22

Instrument :

BNA_G

ClientSampleId :

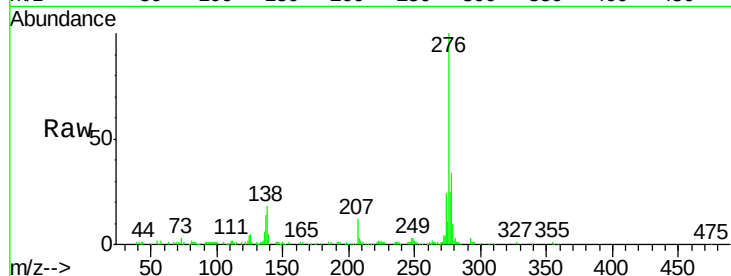
Tot Ion:278 Resp: 46275

Ion Ratio Lower Upper

278 100

139 13.3 14.0 21.0#

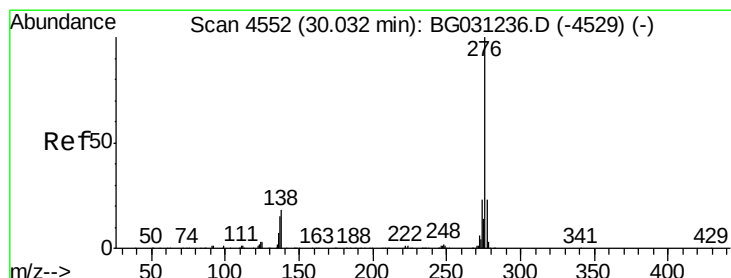
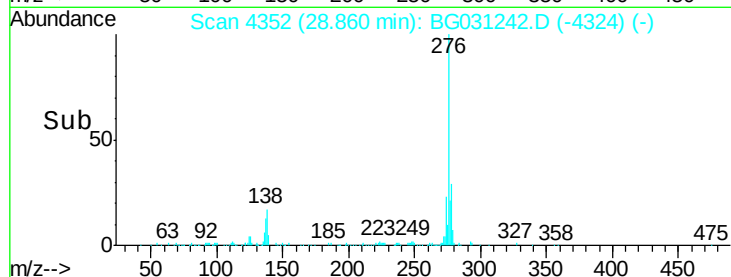
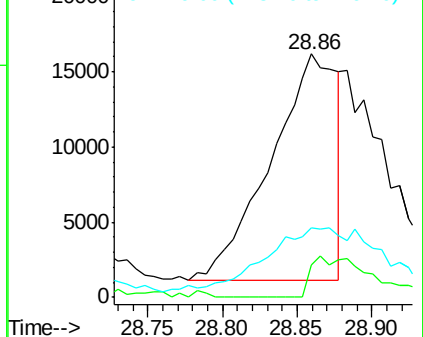
279 28.4 20.6 31.0



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: 7.39 ng/ul

RT: 30.02 min Scan# 4550

Delta R.T. -0.01 min

Lab File: BG031242.D

Acq: 27 Nov 2017 23:22

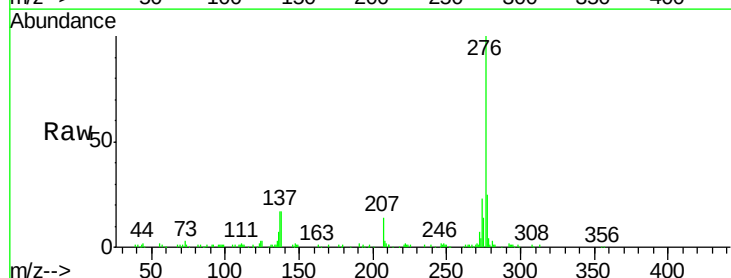
Tgt Ion:276 Resp: 211170

Ion Ratio Lower Upper

276 100

138 16.5 19.0 28.4#

277 25.0 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

