

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026315.D
 Acq On : 18 Mar 2017 12:59
 Operator : SJ/MA
 Sample : I2283-18
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB315

Quant Time: Mar 20 03:24:49 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

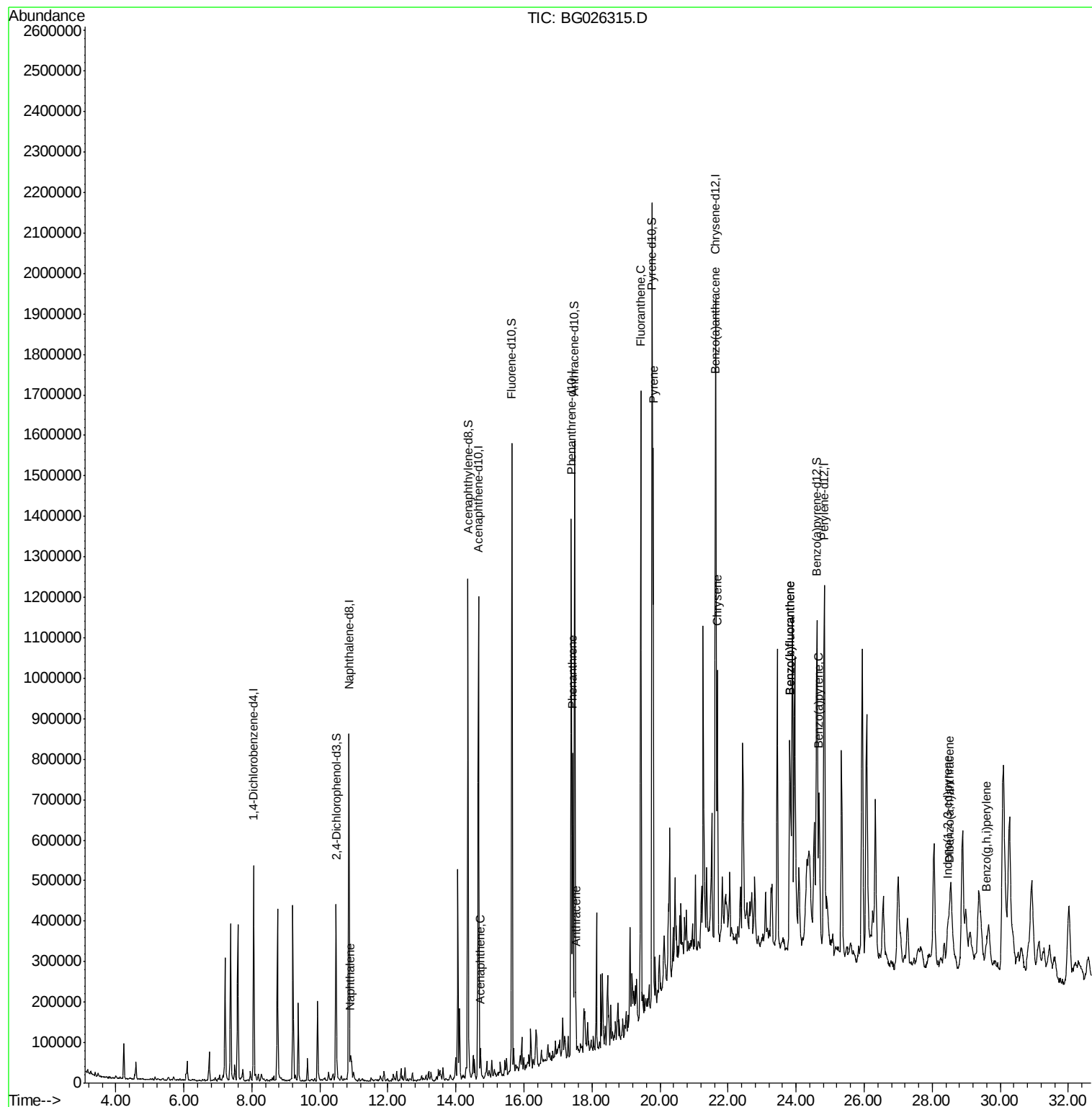
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	166110	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	770180	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	419577	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	829859	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	836114	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	793034	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	198506	17.40	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	964226	26.95	ng/ul	0.00
10) Fluorene-d10	15.64	176	667492	25.58	ng/ul	0.00
15) Anthracene-d10	17.49	188	917359	24.87	ng/ul	0.00
19) Pyrene-d10	19.77	212	945828	22.17	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	874362	25.56	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	51429	1.36	ng/ul	98
9) Acenaphthene	14.72	153	25840	1.00	ng/ul	95
14) Phenanthrene	17.43	178	481906	10.96	ng/ul	99
16) Anthracene	17.52	178	89373	2.01	ng/ul	97
17) Fluoranthene	19.43	202	963084	21.09	ng/ul	99
20) Pyrene	19.80	202	810986	15.24	ng/ul	99
21) Benzo(a)anthracene	21.62	228	486449	10.45	ng/ul	98
22) Chrysene	21.68	228	458289	10.55	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	657438	14.60	ng/ul	97
25) Benzo(k)fluoranthene	23.81	252	657438	15.29	ng/ul	96
27) Benzo(a)pyrene	24.67	252	394763	9.44	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.45	276	80388	1.74	ng/ul	97
29) Dibenzo(a,h)anthracene	28.50	278	59070	1.61	ng/ul#	87
30) Benzo(a,h,i)perylene	29.60	276	145074	3.67	ng/ul	98

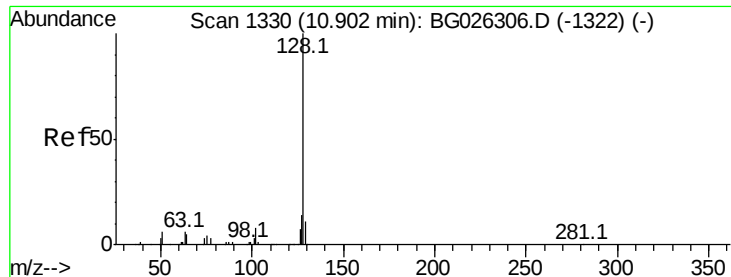
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.36 ng/ul

RT: 10.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

ClientSampleId :

CB315

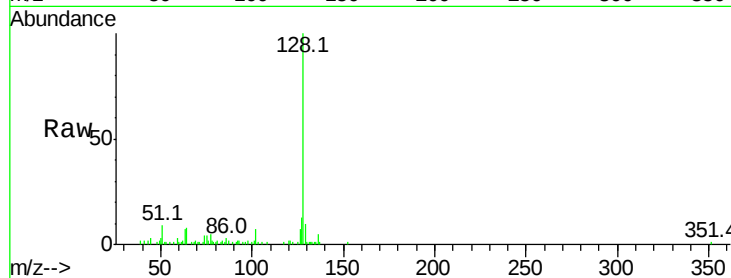
Tot Ion:128 Resp: 51429

Ion Ratio Lower Upper

128 100

129 9.9 9.1 13.7

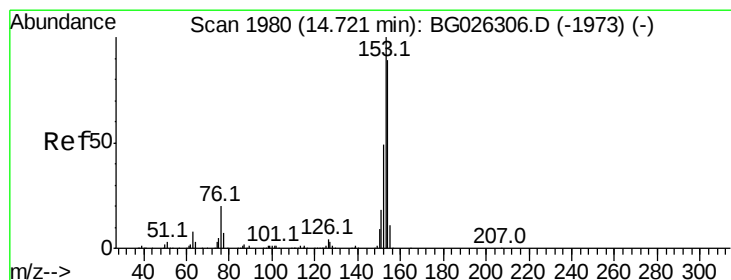
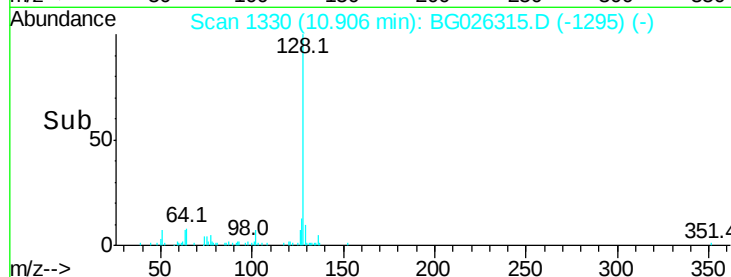
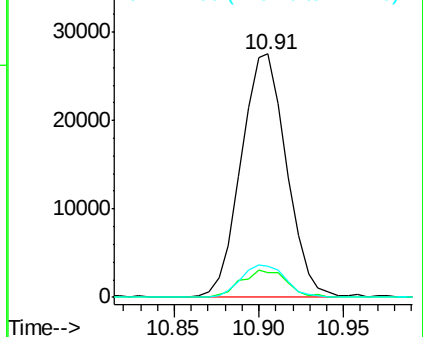
127 12.8 10.6 15.8



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: 1.00 ng/ul

RT: 14.72 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

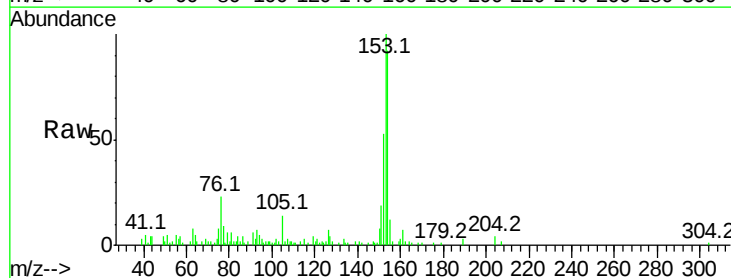
Tgt Ion:153 Resp: 25840

Ion Ratio Lower Upper

153 100

152 52.8 37.9 56.9

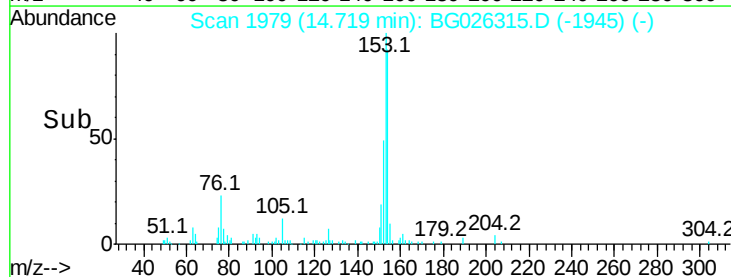
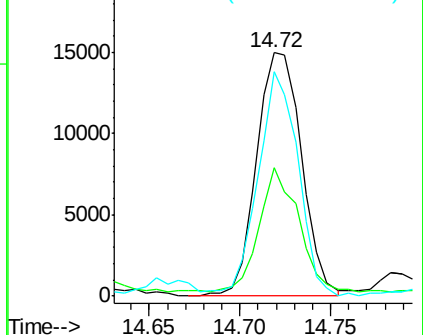
154 92.0 71.6 107.4

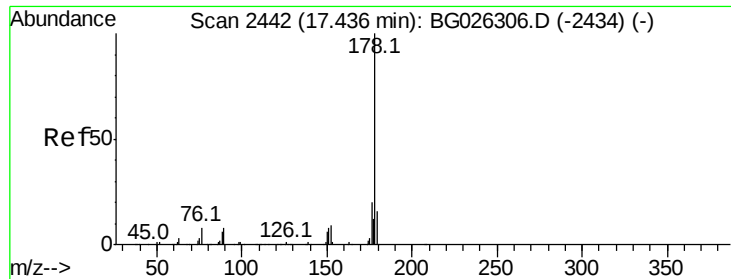


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#14

Phenanthrene

Concen: 10.96 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

ClientSampleId :

CB315

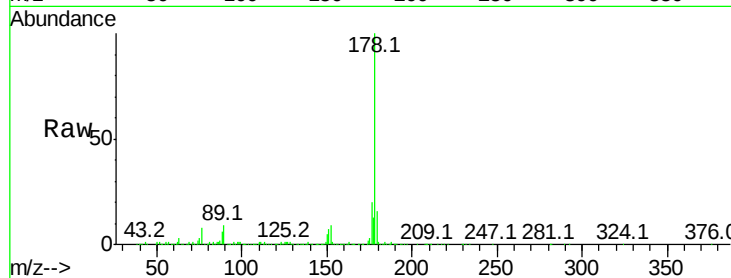
Tot Ion:178 Resp: 481906

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

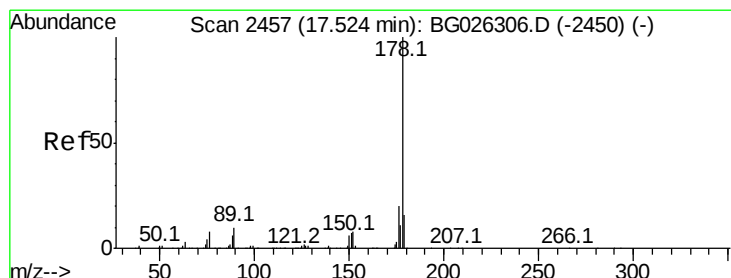
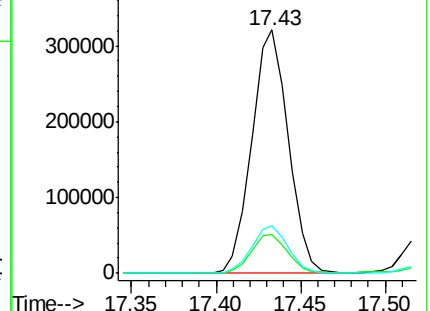
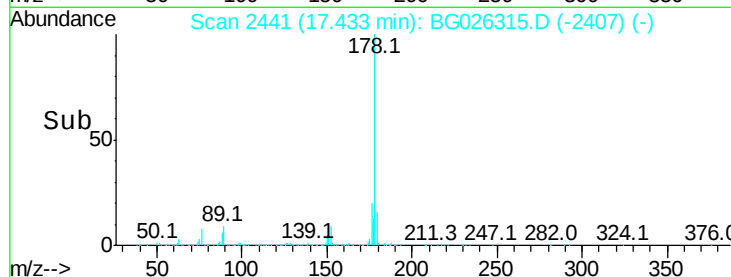
176 19.7 16.4 24.6



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: 2.01 ng/ul

RT: 17.52 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

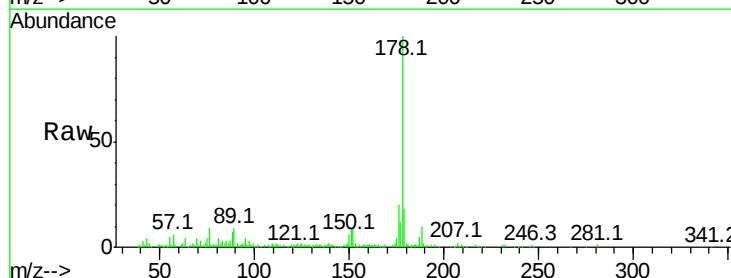
Tgt Ion:178 Resp: 89373

Ion Ratio Lower Upper

178 100

179 18.2 12.7 19.1

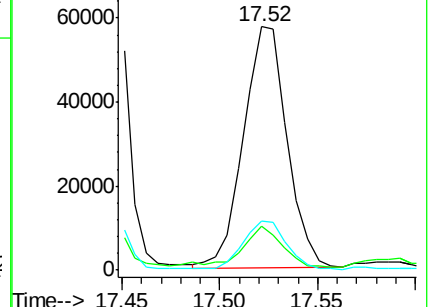
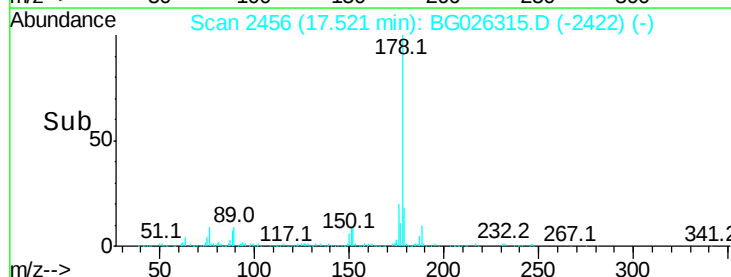
176 20.1 15.8 23.8

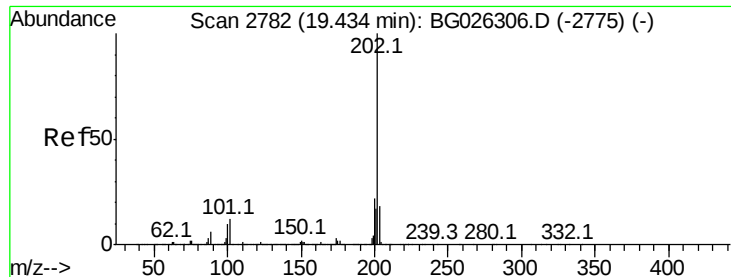


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

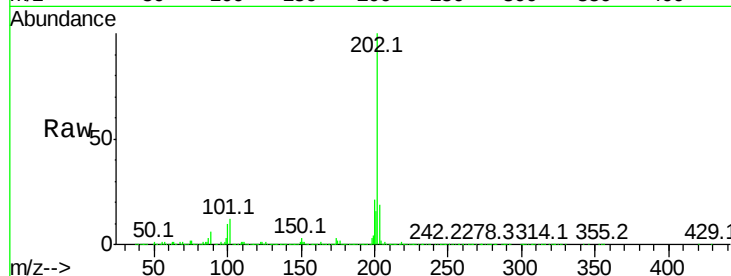




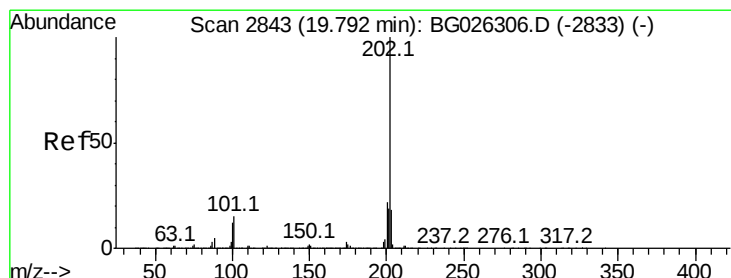
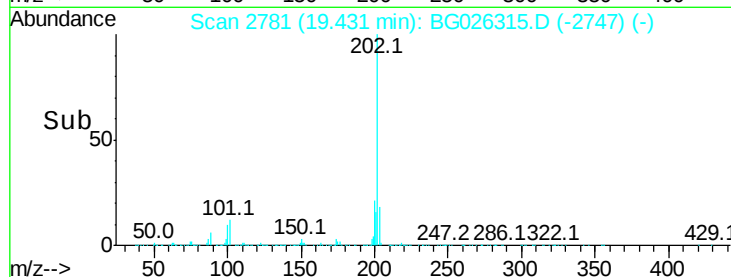
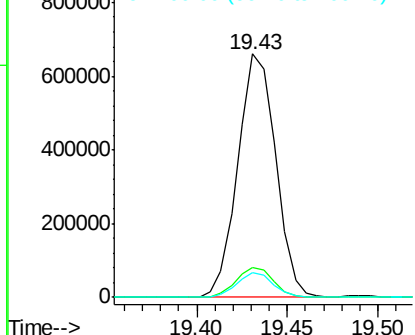
#17
Fluoranthene
 Concen: 21.09 ng/ul
 RT: 19.43 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: BG026315.D
 Acq: 18 Mar 2017 12:59

Instrument :
 BNA_G
 ClientSampleId :
 CB315

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
100	10.3	7.5	11.3

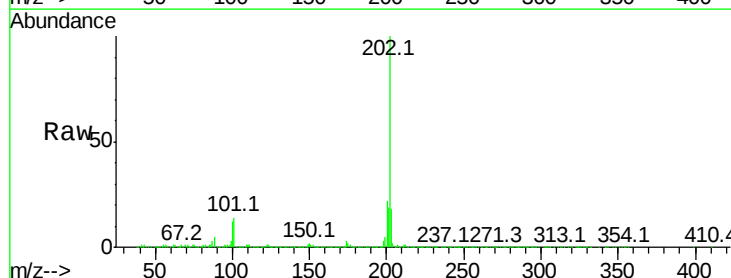


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

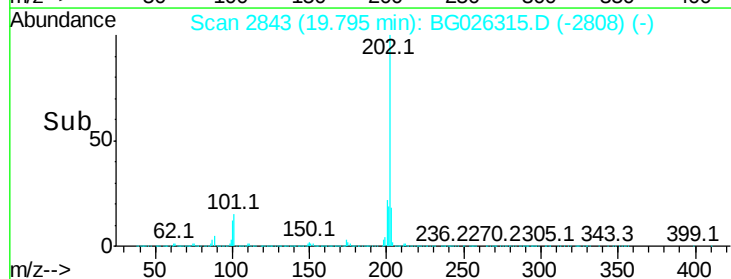
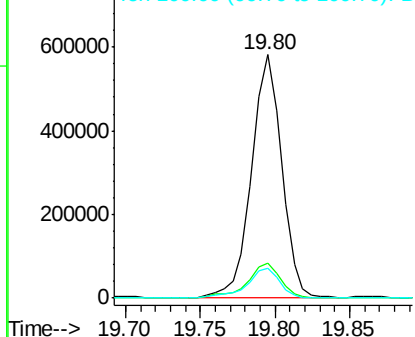


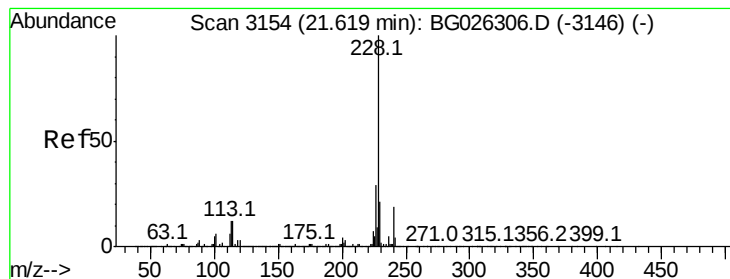
#20
Pyrene
 Concen: 15.24 ng/ul
 RT: 19.80 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG026315.D
 Acq: 18 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.2	16.8
100	12.2	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: 10.45 ng/ul

RT: 21.62 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

ClientSampleId :

CB315

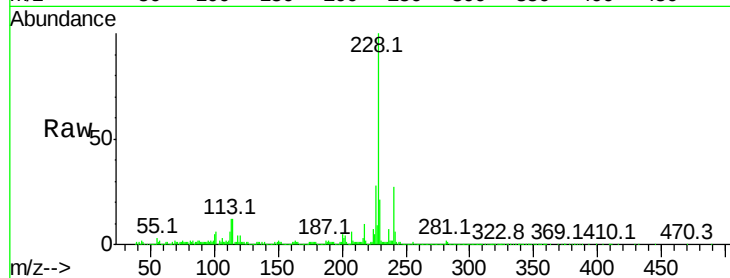
Tot Ion:228 Resp: 486449

Ion Ratio Lower Upper

228 100

229 21.0 15.9 23.9

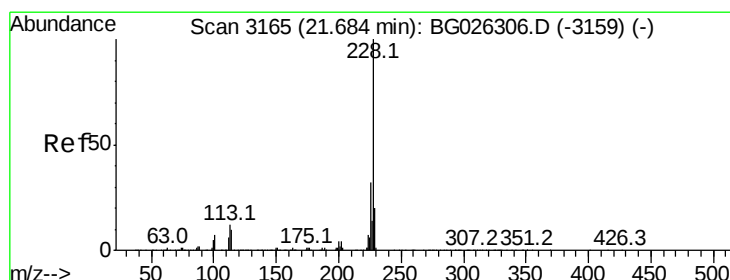
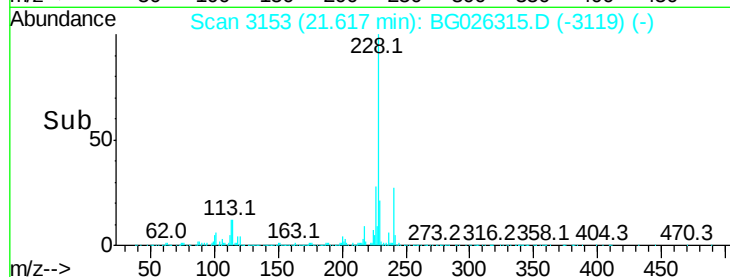
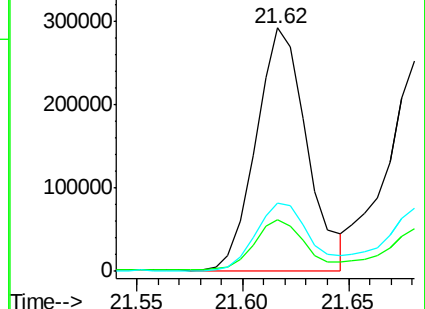
226 28.2 22.1 33.1



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: 10.55 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

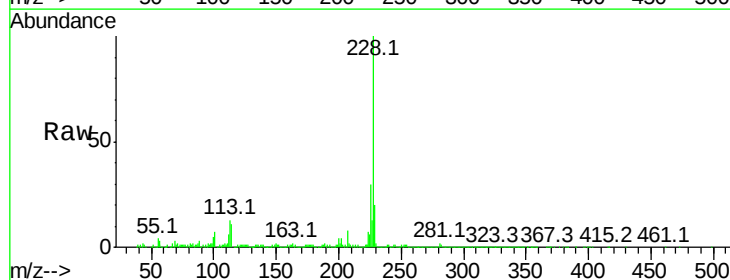
Tgt Ion:228 Resp: 458289

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

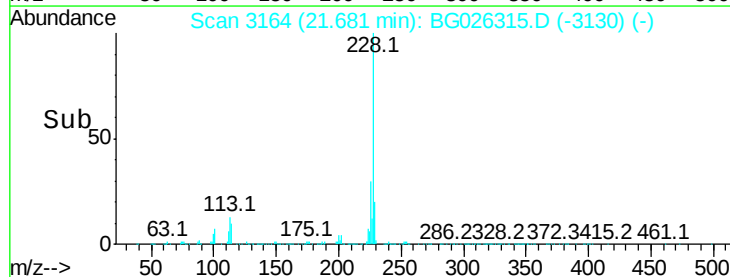
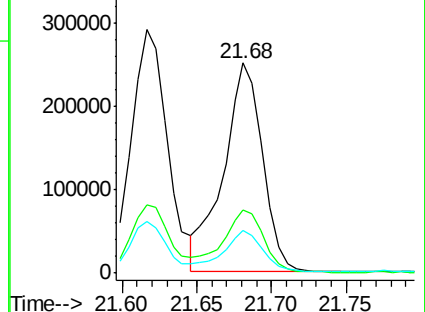
229 20.3 16.6 25.0

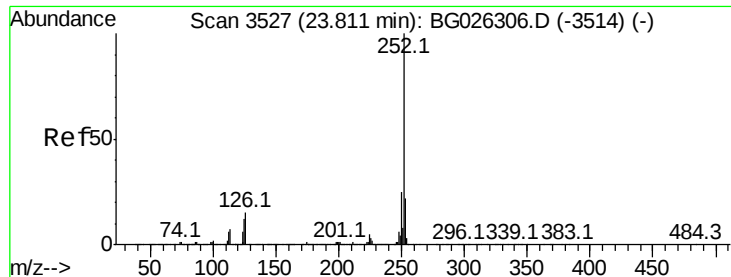


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 14.60 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

ClientSampleId :

CB315

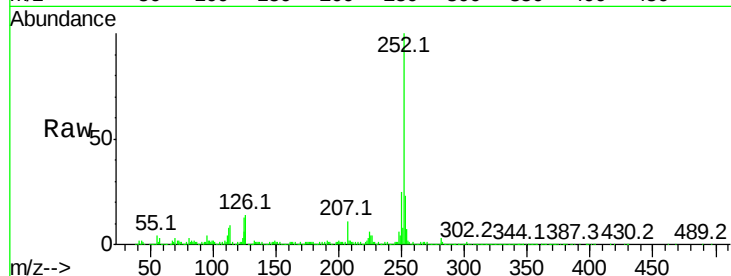
Tot Ion:252 Resp: 657438

Ion Ratio Lower Upper

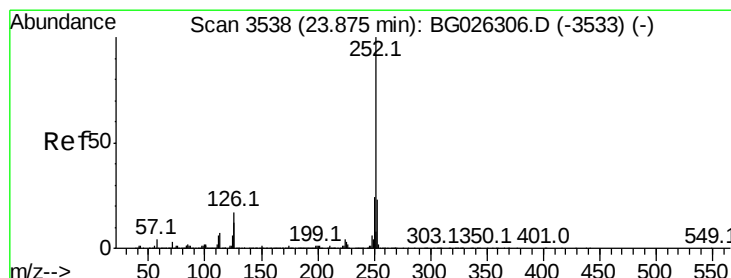
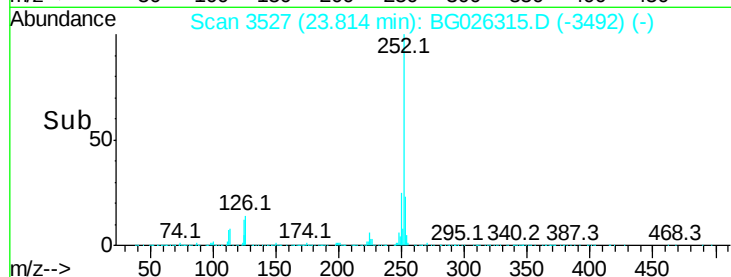
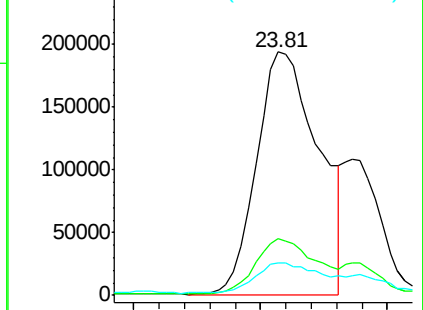
252 100

253 23.2 17.8 26.6

125 13.2 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: 15.29 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

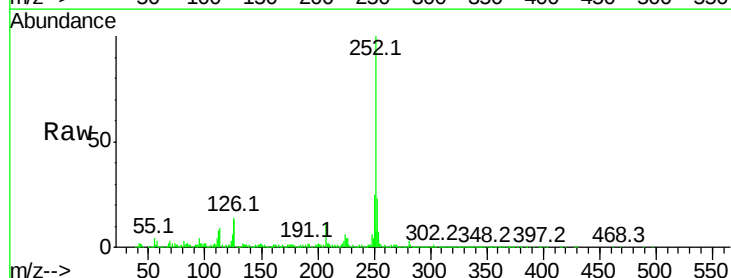
Tgt Ion:252 Resp: 657438

Ion Ratio Lower Upper

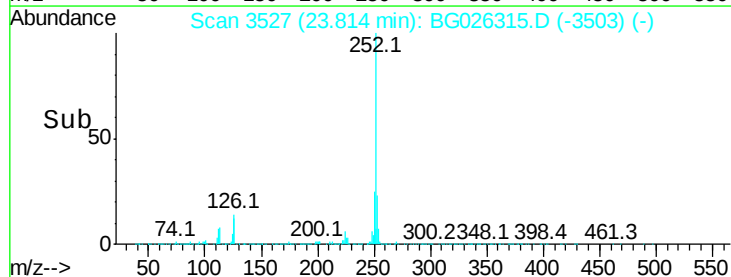
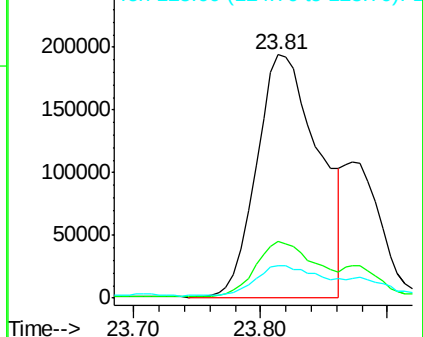
252 100

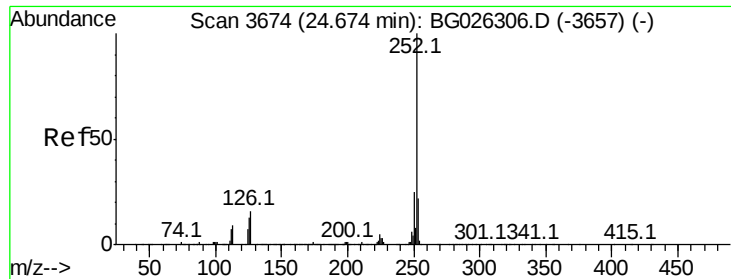
253 23.2 17.4 26.2

125 13.2 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

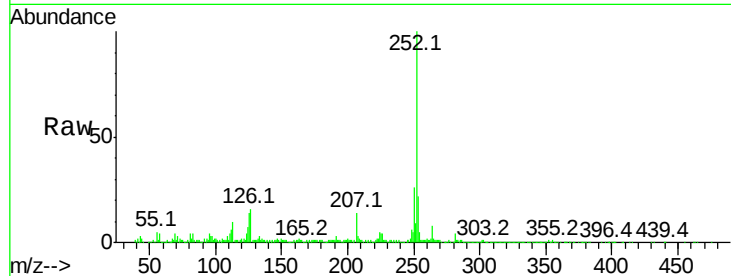




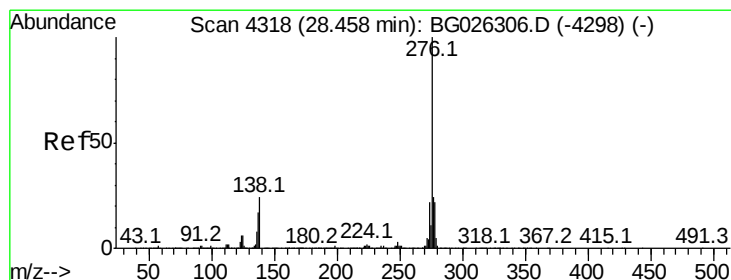
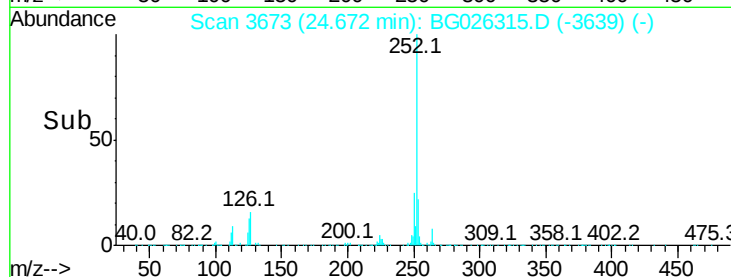
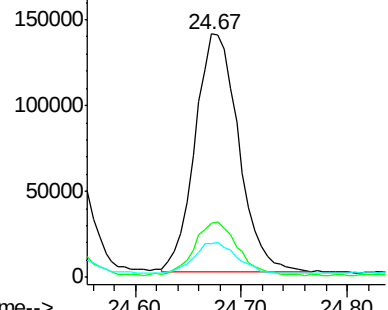
#27
Benzo(a)pyrene
Concen: 9.44 ng/ul
RT: 24.67 min Scan# 3673
Delta R.T. -0.00 min
Lab File: BG026315.D
Acq: 18 Mar 2017 12:59

Instrument :
BNA_G
ClientSampleId :
CB315

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	14.1	9.4	14.2

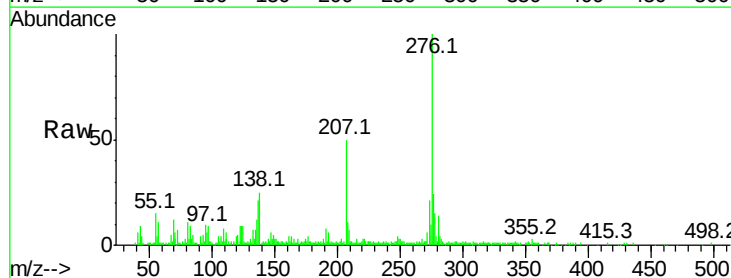


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

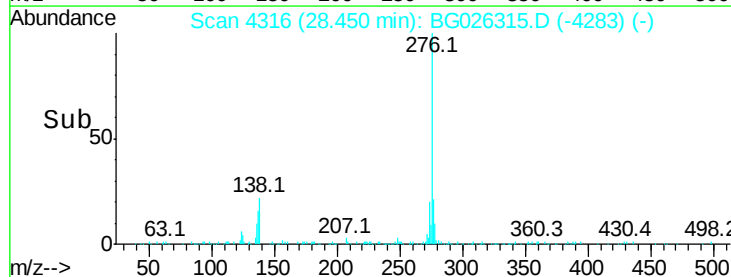
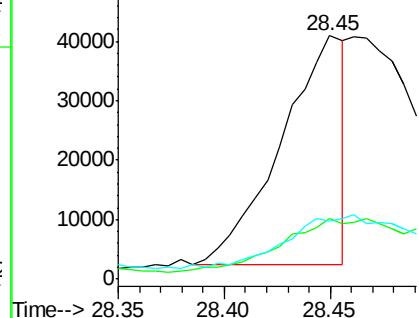


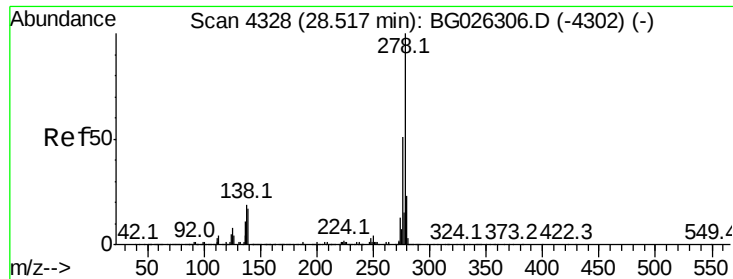
#28
Indeno(1,2,3-cd)pyrene
Concen: 1.74 ng/ul
RT: 28.45 min Scan# 4316
Delta R.T. -0.01 min
Lab File: BG026315.D
Acq: 18 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	17.8	26.6
277	23.6	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: 1.61 ng/ul

RT: 28.50 min Scan# 4325

Delta R.T. -0.01 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Instrument :

BNA_G

ClientSampleId :

CB315

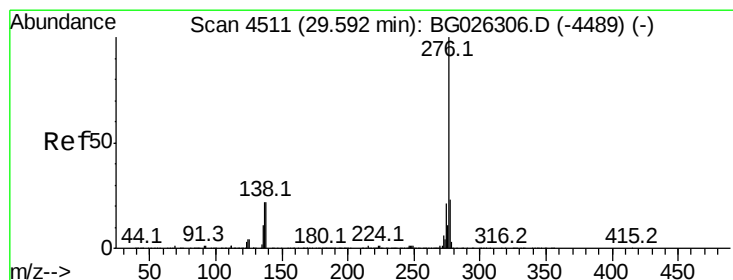
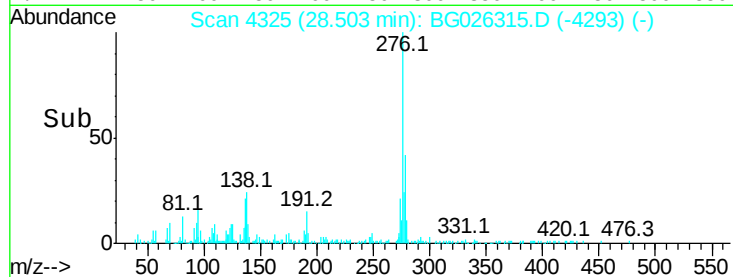
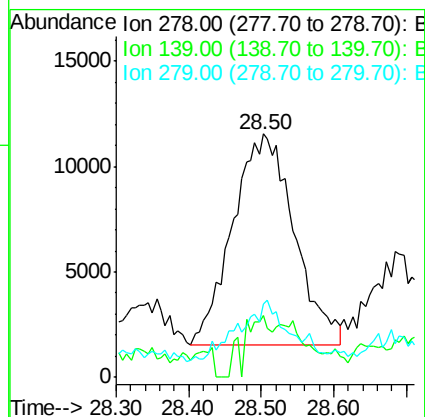
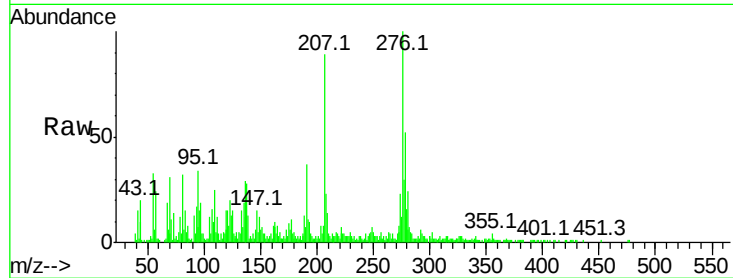
Tot Ion:278 Resp: 59070

Ion Ratio Lower Upper

278 100

139 25.3 14.0 21.0#

279 30.3 20.6 31.0



#30

Benzo(g,h,i)perylene

Concen: 3.67 ng/ul

RT: 29.60 min Scan# 4512

Delta R.T. 0.01 min

Lab File: BG026315.D

Acq: 18 Mar 2017 12:59

Tgt Ion:276 Resp: 145074

Ion Ratio Lower Upper

276 100

138 23.1 19.0 28.4

277 26.2 19.7 29.5

