

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031317\
 Data File : BG026213.D
 Acq On : 13 Mar 2017 15:14
 Operator : SJ/MA
 Sample : I2217-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 15 05:54:14 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

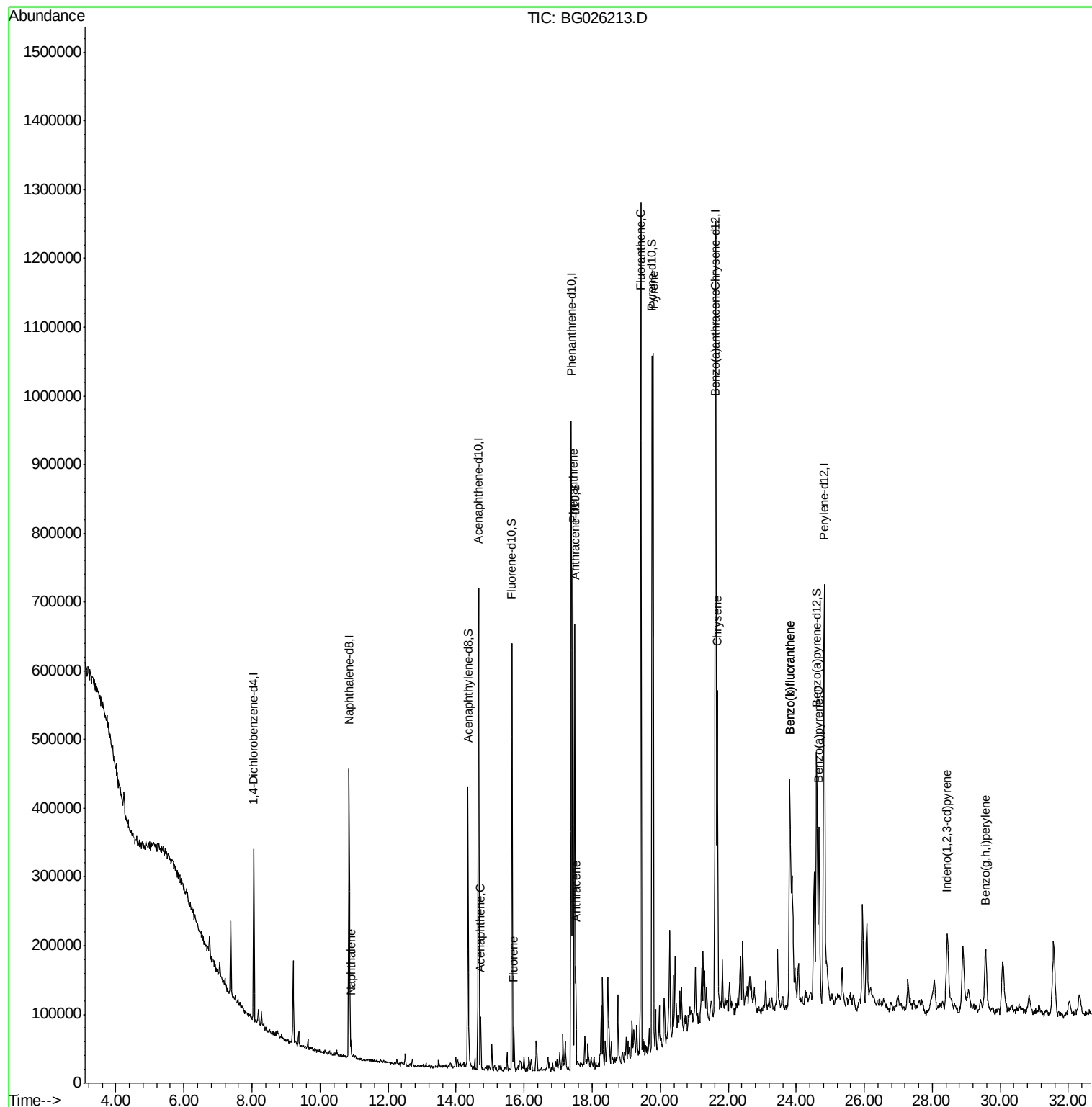
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	72960	20.00	ng/ul	0.00
2) Naphthalene-d8	10.86	136	369721	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	234390	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	583808	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	603630	20.00	ng/ul	0.00
23) Perylene-d12	24.82	264	574488	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	291	0.05	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	309498	15.49	ng/ul	0.00
10) Fluorene-d10	15.64	176	247974	17.01	ng/ul	0.00
15) Anthracene-d10	17.49	188	368890	14.22	ng/ul	0.00
19) Pyrene-d10	19.76	212	416128	13.51	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	342367	13.82	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.91	128	19013	1.05	ng/ul	95
9) Acenaphthene	14.72	153	29044	2.01	ng/ul	92
11) Fluorene	15.70	166	27149	1.67	ng/ul	96
14) Phenanthrene	17.44	178	469328	15.17	ng/ul	100
16) Anthracene	17.52	178	88939	2.85	ng/ul	100
17) Fluoranthene	19.43	202	710830	22.13	ng/ul	99
20) Pyrene	19.79	202	605378	15.75	ng/ul	100
21) Benzo(a)anthracene	21.61	228	330923	9.85	ng/ul	99
22) Chrysene	21.68	228	316095	10.08	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	404617	12.41	ng/ul	99
25) Benzo(k)fluoranthene	23.81	252	404617	12.99	ng/ul	98
27) Benzo(a)pyrene	24.67	252	258273	8.52	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.43	276	174737	5.17	ng/ul	96
30) Benzo(a,h,i)perylene	29.57	276	161067	5.59	ng/ul	98

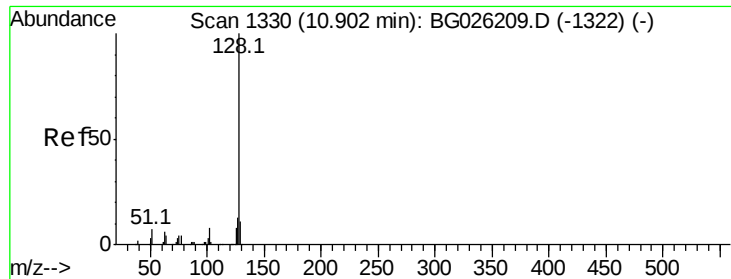
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.05 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

ClientSampleId :

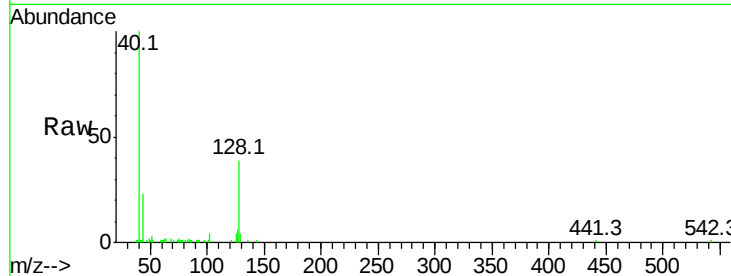
Tot Ion:128 Resp: 19013

Ion Ratio Lower Upper

128 100

129 9.3 9.1 13.7

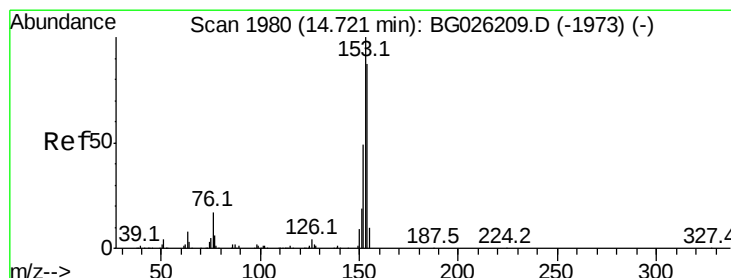
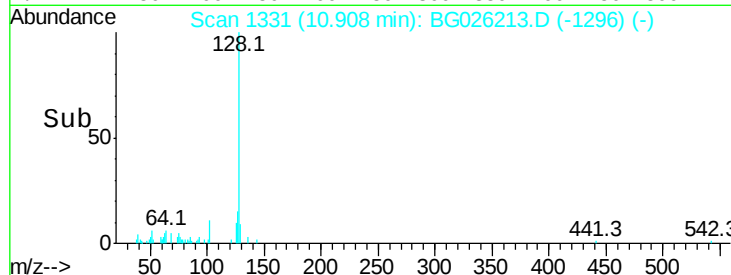
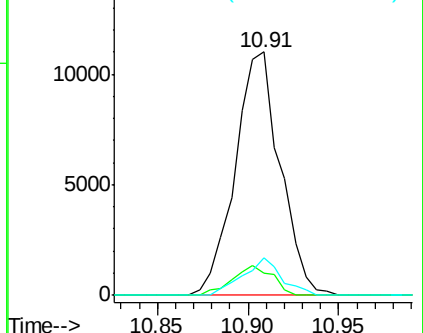
127 15.3 10.6 15.8



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: 2.01 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

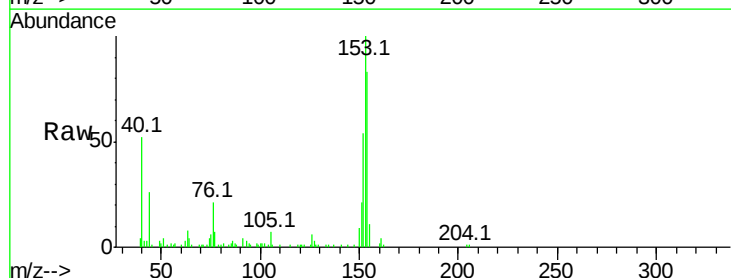
Tgt Ion:153 Resp: 29044

Ion Ratio Lower Upper

153 100

152 53.9 37.9 56.9

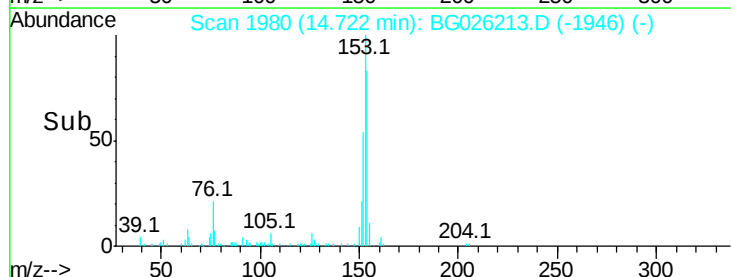
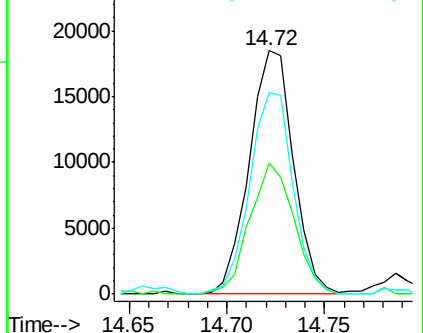
154 82.7 71.6 107.4

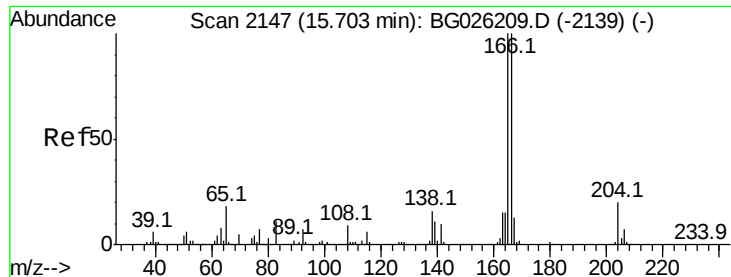


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 1.67 ng/ul

RT: 15.70 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

ClientSampleId :

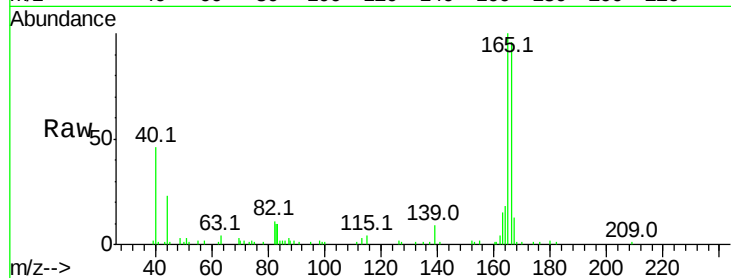
Tot Ion:166 Resp: 27149

Ion Ratio Lower Upper

166 100

165 104.4 80.0 120.0

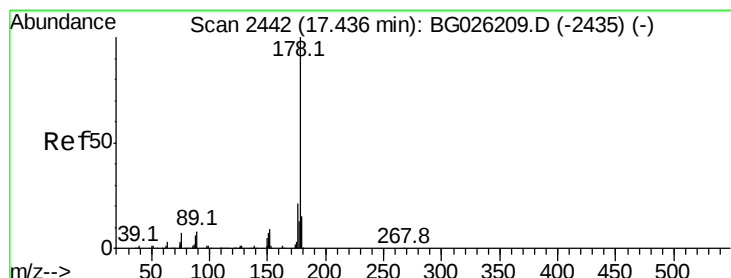
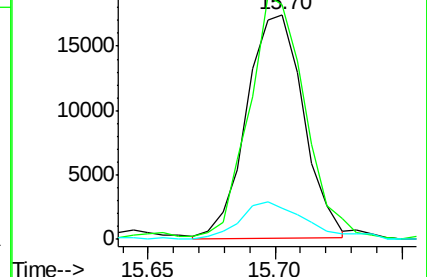
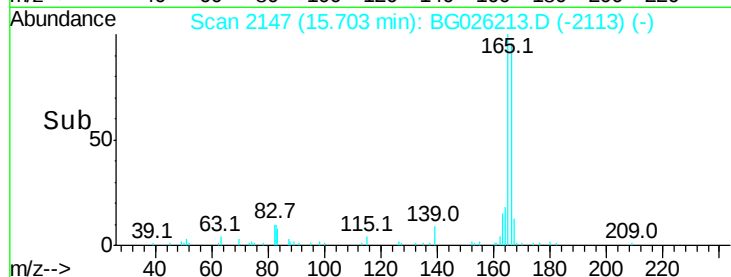
167 13.6 11.6 17.4



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: 15.17 ng/ul

RT: 17.44 min Scan# 2442

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

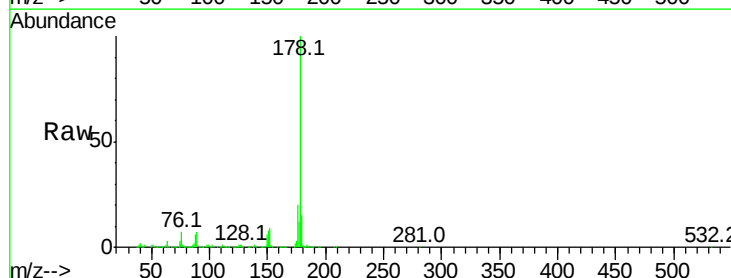
Tgt Ion:178 Resp: 469328

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.4

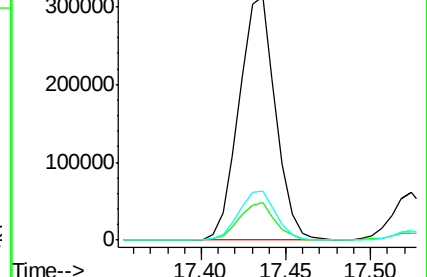
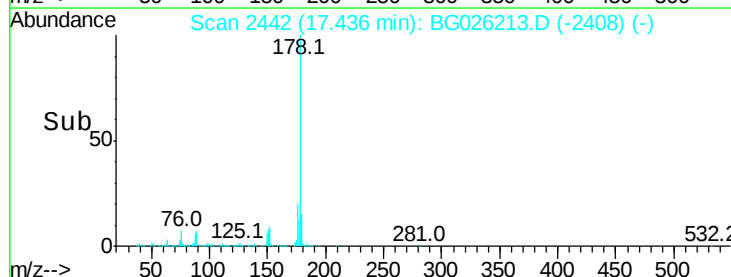
176 20.3 16.4 24.6

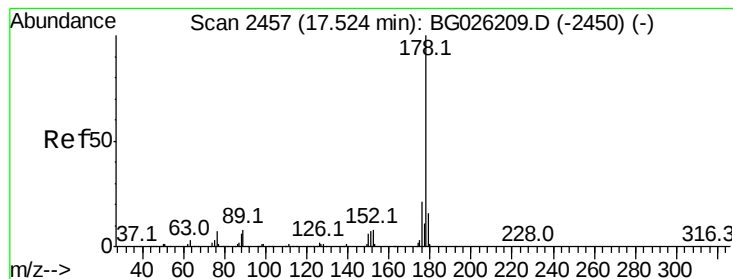


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Anthracene

Concen: 2.85 ng/ul

RT: 17.52 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

ClientSampleId :

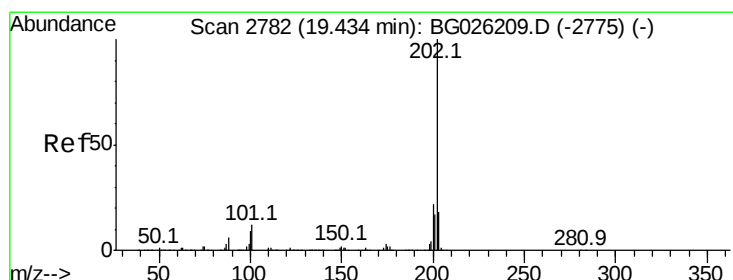
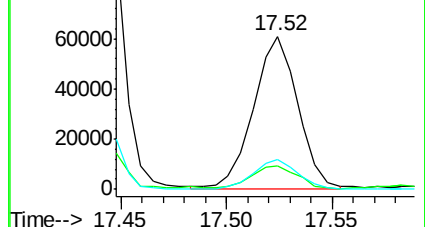
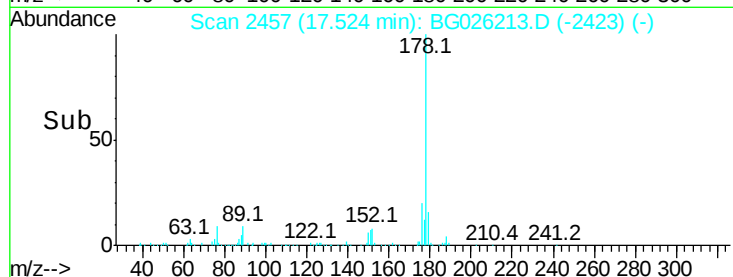
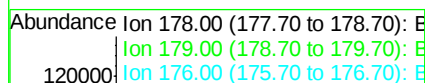
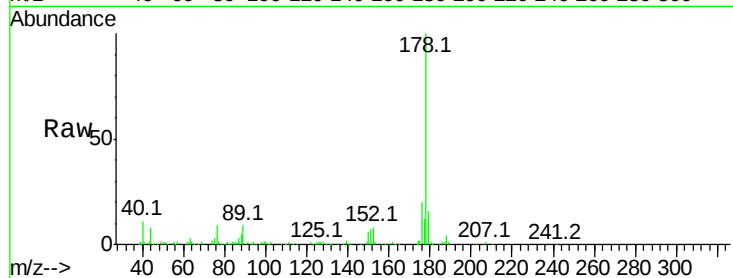
Tot Ion:178 Resp: 88939

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.7	19.1
176	19.6	15.8	23.8

178 100

179 15.7 12.7 19.1

176 19.6 15.8 23.8



#17

Fluoranthene

Concen: 22.13 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

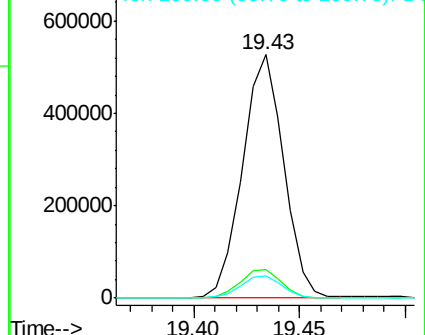
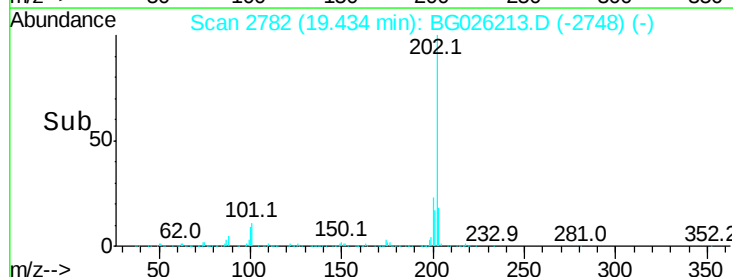
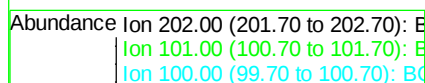
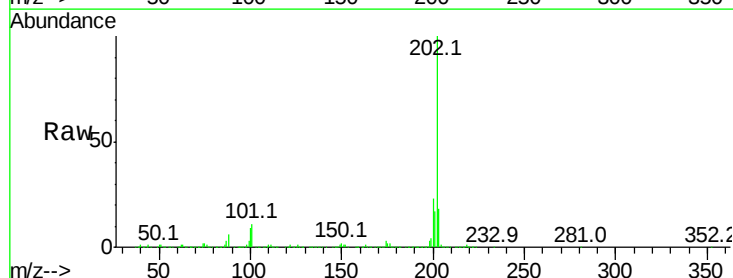
Tgt Ion:202 Resp: 710830

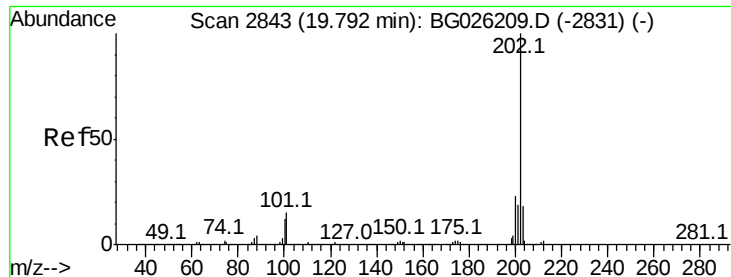
Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.8	14.8
100	9.3	7.5	11.3

202 100

101 11.5 9.8 14.8

100 9.3 7.5 11.3

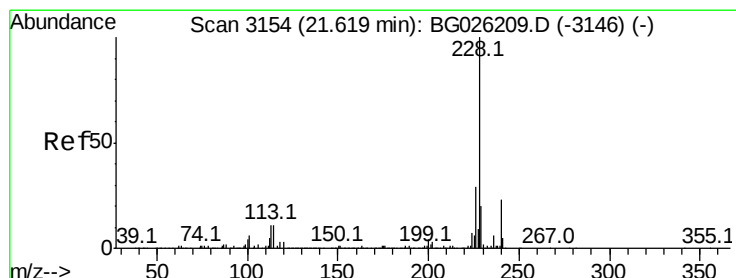
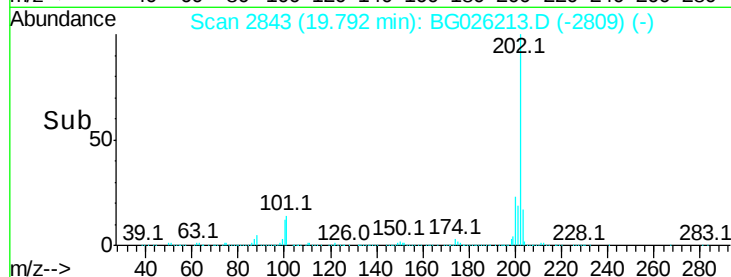
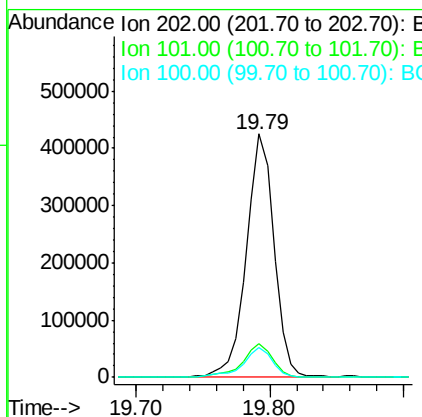
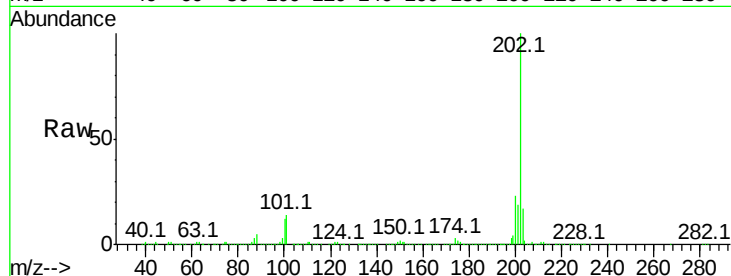




#20
Pvrene
Concen: 15.75 ng/ul
RT: 19.79 min Scan# 2843
Delta R.T. 0.00 min
Lab File: BG026213.D
Acq: 13 Mar 2017 15:14

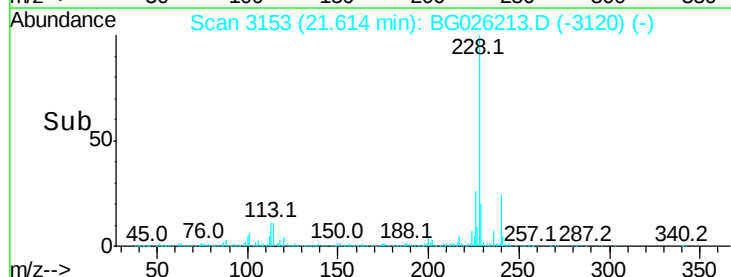
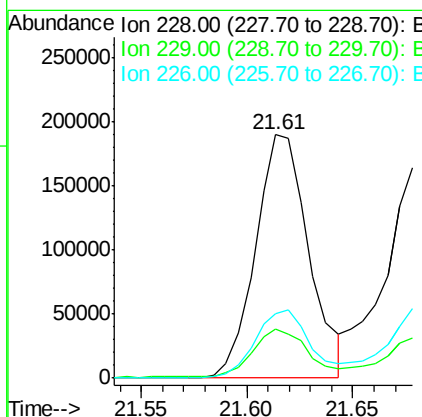
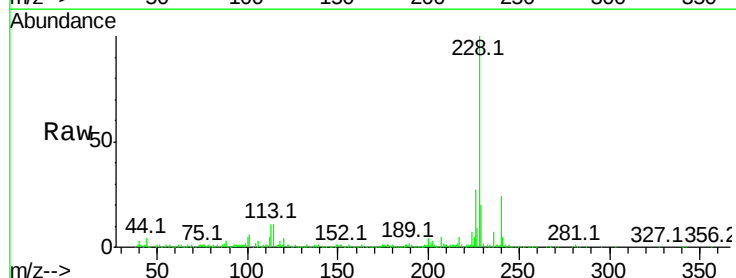
Instrument :
BNA_G
ClientSampleId :

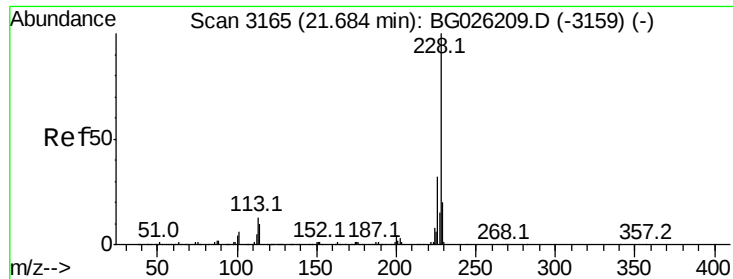
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.2	16.8
100	12.5	9.8	14.6



#21
Benzo(a)anthracene
Concen: 9.85 ng/ul
RT: 21.61 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG026213.D
Acq: 13 Mar 2017 15:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9
226	26.6	22.1	33.1





#22

Chrysene

Concen: 10.08 ng/ul

RT: 21.68 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

ClientSampleId :

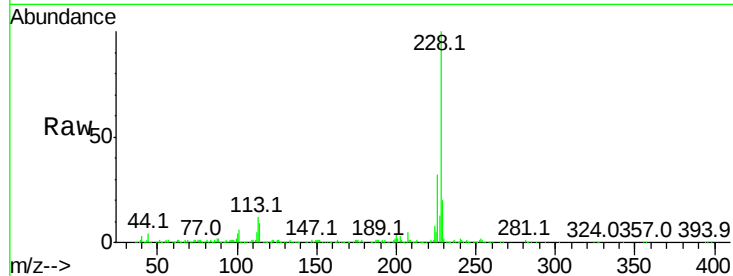
Tot Ion:228 Resp: 316095

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

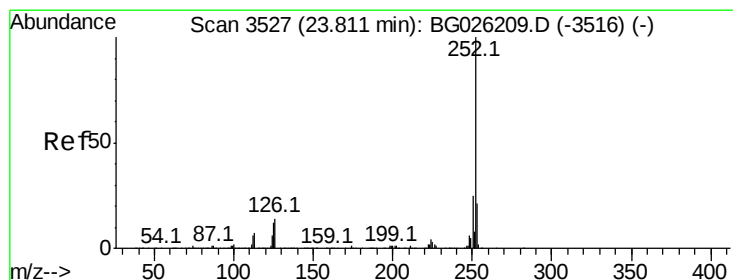
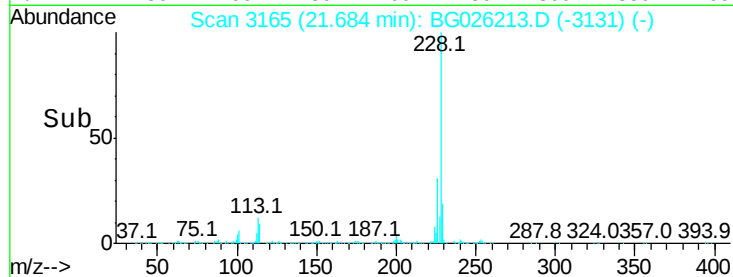
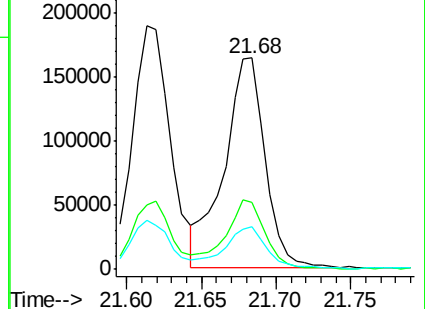
229 19.9 16.6 25.0



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: 12.41 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

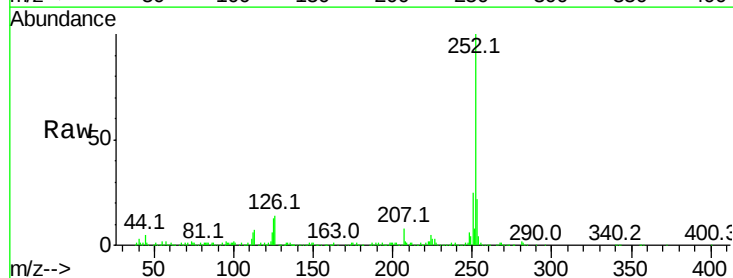
Tgt Ion:252 Resp: 404617

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

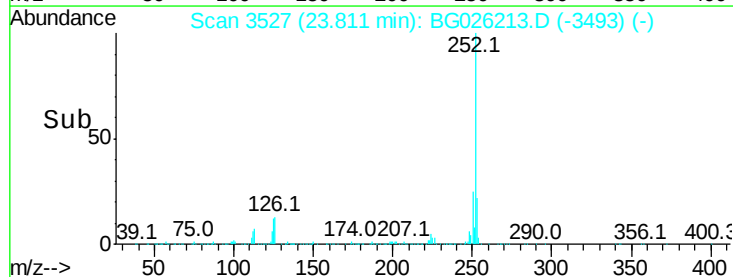
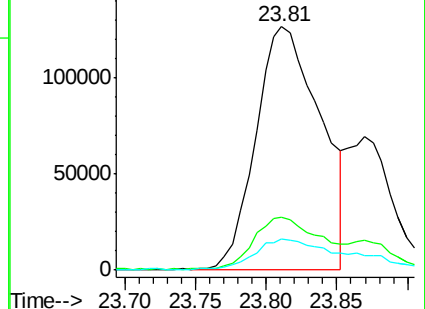
125 12.5 9.4 14.0

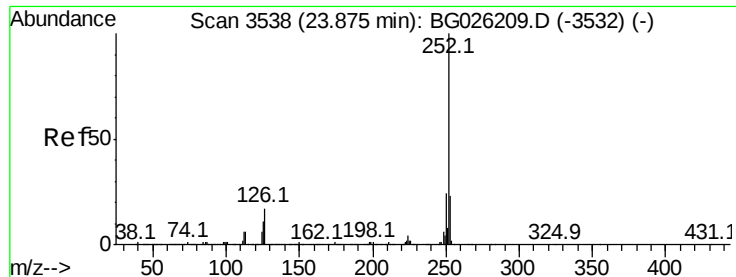


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 12.99 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :

BNA_G

ClientSampleId :

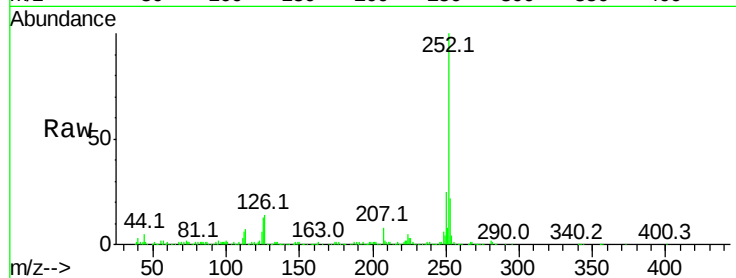
Tot Ion:252 Resp: 404617

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

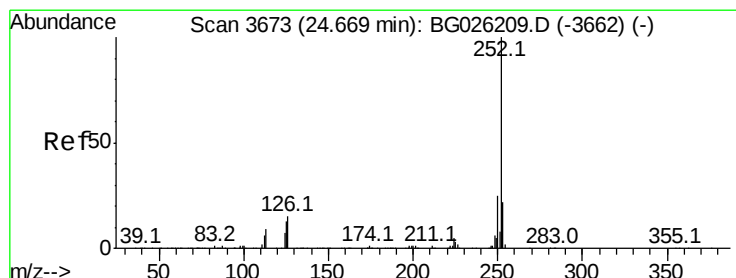
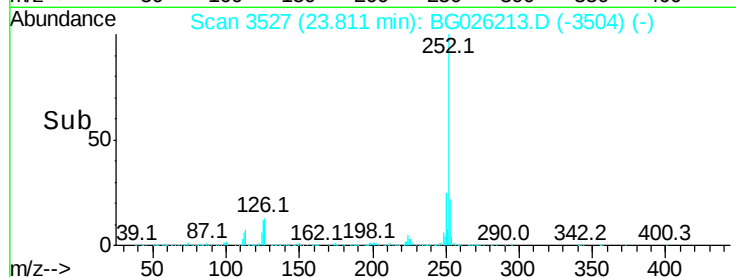
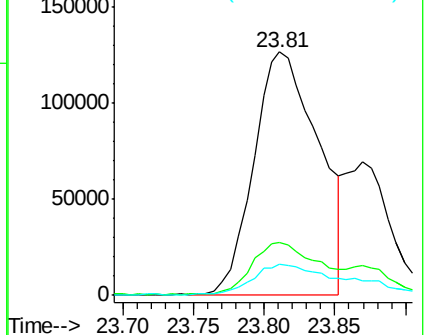
125 12.5 8.8 13.2



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: 8.52 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

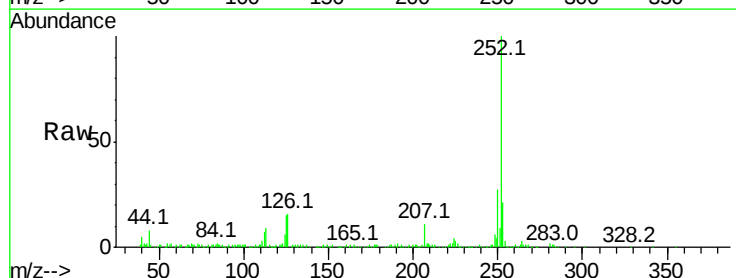
Tgt Ion:252 Resp: 258273

Ion Ratio Lower Upper

252 100

253 20.8 17.1 25.7

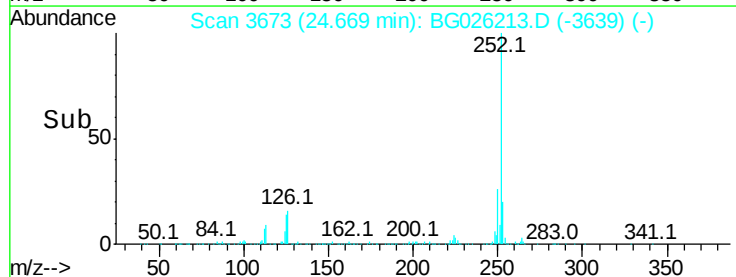
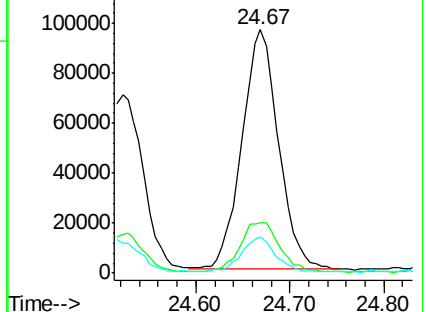
125 14.7 9.4 14.2#

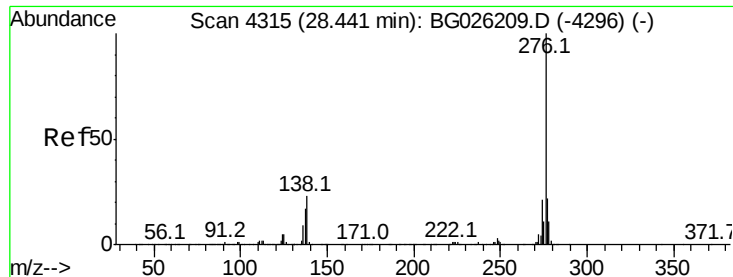


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.17 ng/ul

RT: 28.43 min Scan# 4314

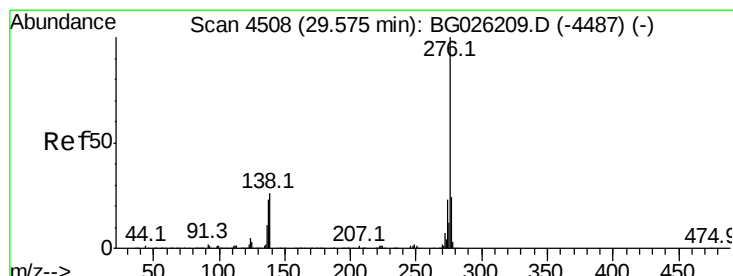
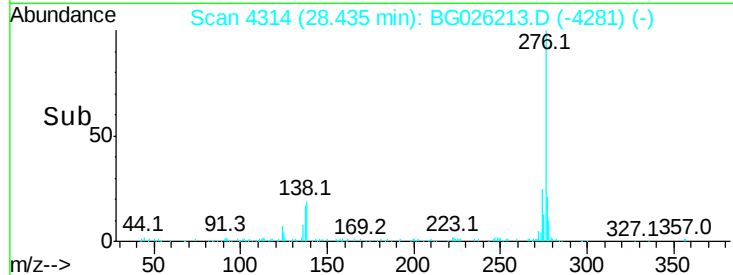
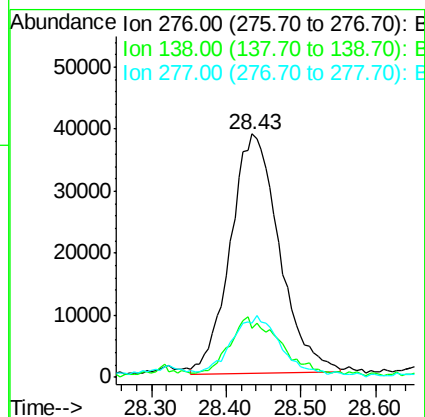
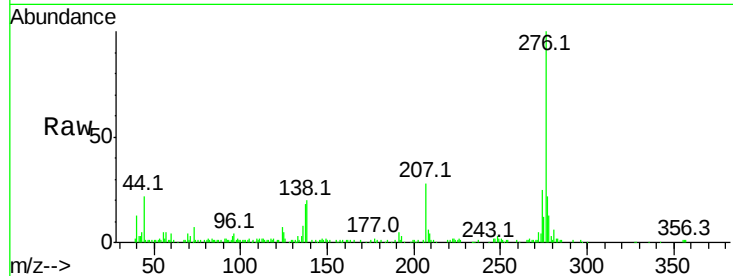
Delta R.T. -0.01 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	17.8	26.6
277	22.2	19.4	29.0



#30

Benzo(g,h,i)perylene

Concen: 5.59 ng/ul

RT: 29.57 min Scan# 4508

Delta R.T. 0.00 min

Lab File: BG026213.D

Acq: 13 Mar 2017 15:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	19.0	28.4
277	22.7	19.7	29.5

