

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\
 Data File : BG026299.D
 Acq On : 18 Mar 2017 2:30
 Operator : SJ/MA
 Sample : I2283-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z9

Quant Time: Mar 18 03:17:19 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:29:44 2017
 Response via : Initial Calibration

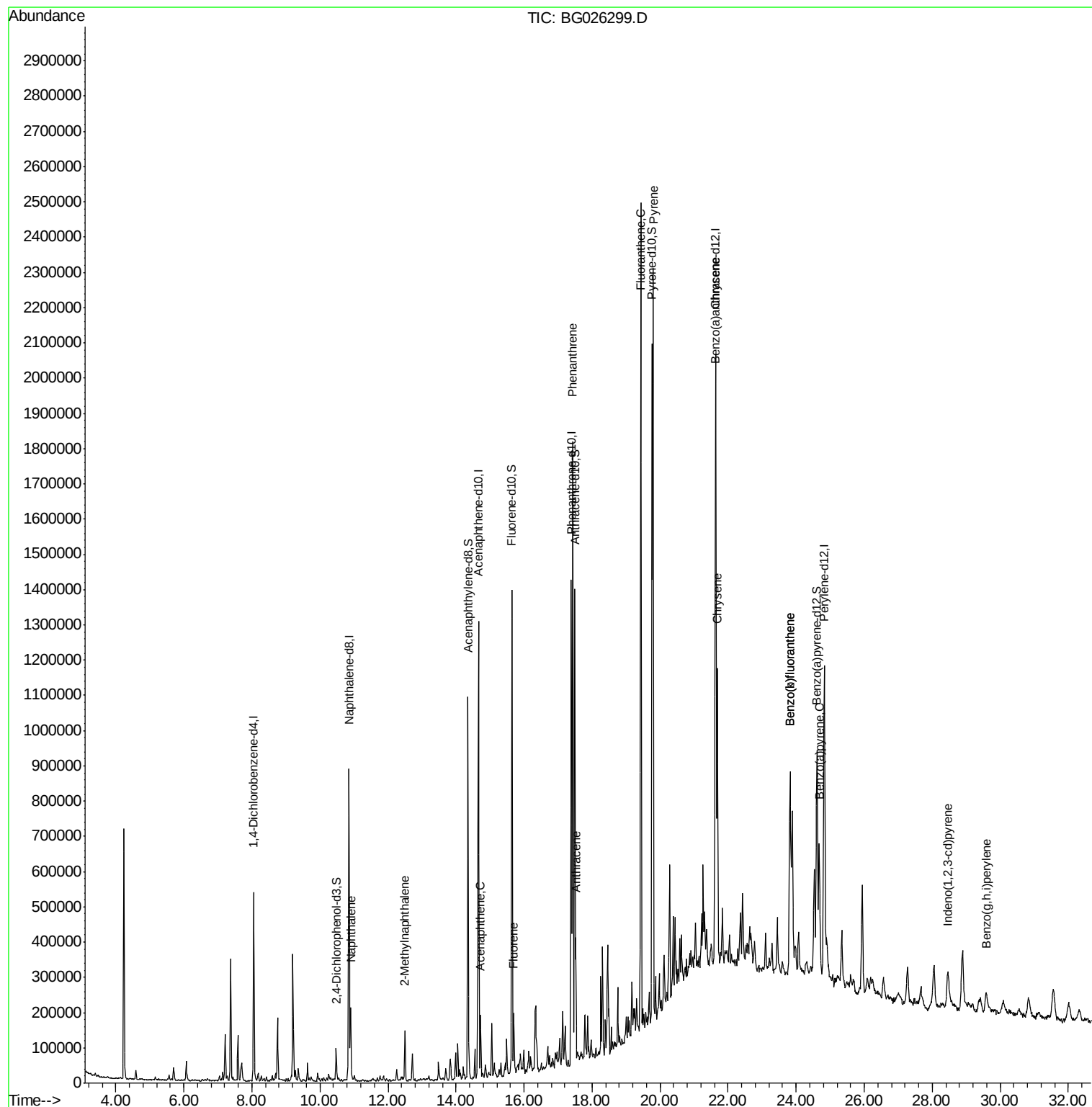
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	166224	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	789011	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	433492	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	845209	20.00	ng/ul	0.00
18) Chrysene-d12	21.64	240	842986	20.00	ng/ul	0.00
23) Perylene-d12	24.83	264	794710	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.48	165	43225	3.70	ng/uL	0.00
7) Acenaphthylene-d8	14.35	160	812523	21.98	ng/ul	0.00
10) Fluorene-d10	15.65	176	574459	21.31	ng/ul	0.00
15) Anthracene-d10	17.49	188	798661	21.26	ng/ul	0.00
19) Pyrene-d10	19.77	212	839987	19.53	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.61	264	684803	19.98	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.90	128	178701	4.63	ng/ul	98
5) 2-Methylnaphthalene	12.50	142	75591	2.64	ng/ul	98
9) Acenaphthene	14.72	153	73828	2.77	ng/ul	97
11) Fluorene	15.70	166	78259	2.60	ng/ul	99
14) Phenanthrene	17.43	178	1091088	24.36	ng/ul	99
16) Anthracene	17.52	178	226891	5.01	ng/ul	98
17) Fluoranthene	19.44	202	1477632	31.78	ng/ul	98
20) Pyrene	19.79	202	1240433	23.11	ng/ul	97
21) Benzo(a)anthracene	21.62	228	616969	13.15	ng/ul	99
22) Chrysene	21.68	228	593274	13.55	ng/ul	99
24) Benzo(b)fluoranthene	23.82	252	715522	15.86	ng/ul	97
25) Benzo(k)fluoranthene	23.82	252	715522	16.61	ng/ul#	96
27) Benzo(a)pyrene	24.68	252	401284	9.57	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.45	276	167358	3.61	ng/ul#	91
30) Benzo(a,h,i)perylene	29.59	276	133479	3.37	ng/ul	95

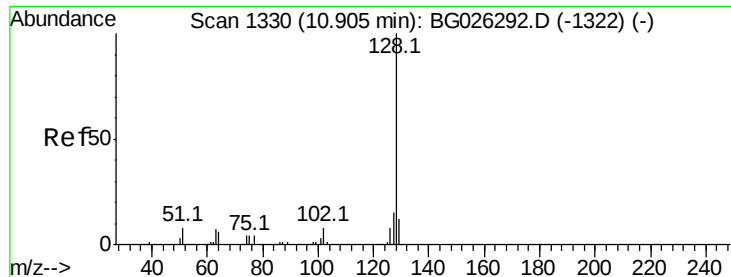
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 4.63 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

ClientSampleId :

CB2Z9

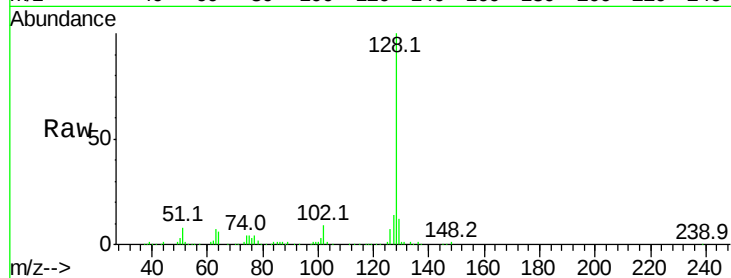
Tot Ion:128 Resp: 178701

Ion Ratio Lower Upper

128 100

129 11.9 9.1 13.7

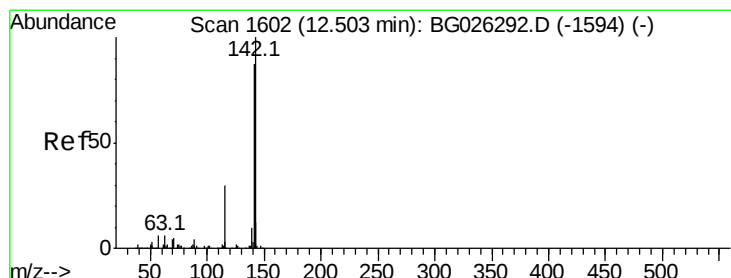
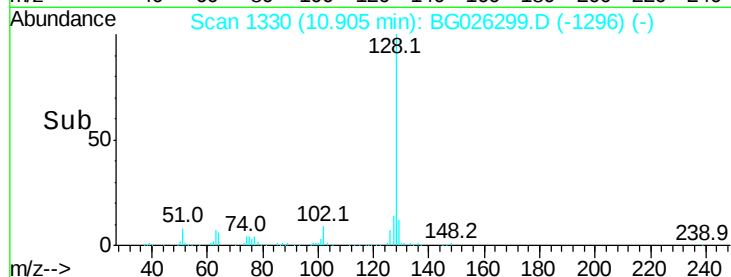
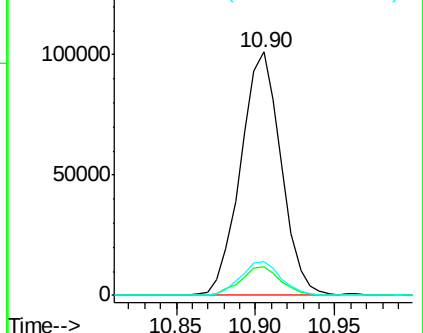
127 13.9 10.6 15.8



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



#5

2-Methylnaphthalene

Concen: 2.64 ng/ul

RT: 12.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BG026299.D

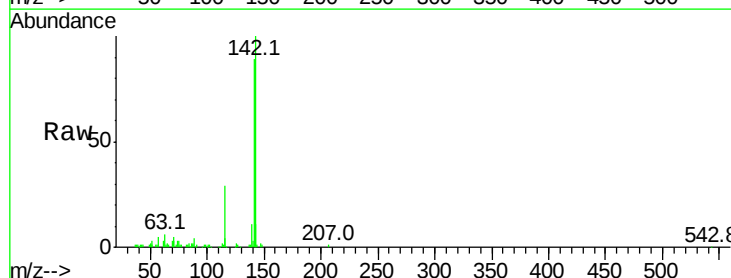
Acq: 18 Mar 2017 2:30

Tgt Ion:142 Resp: 75591

Ion Ratio Lower Upper

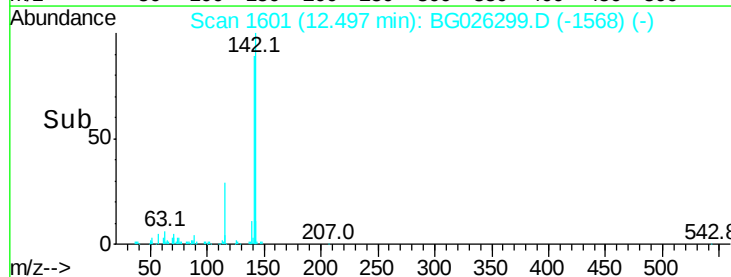
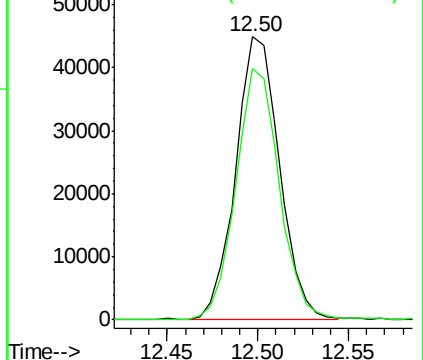
142 100

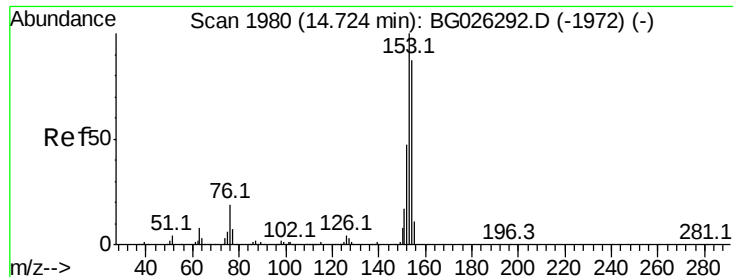
141 88.9 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 2.77 ng/ul

RT: 14.72 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

ClientSampleId :

CB2Z9

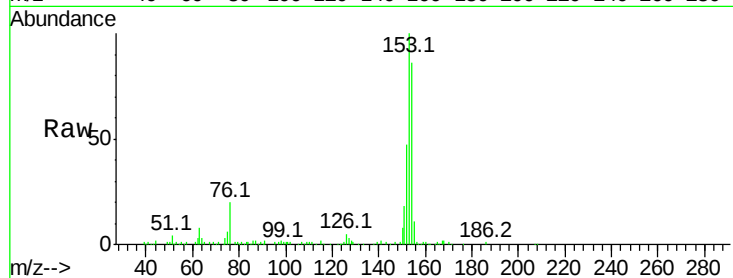
Tot Ion:153 Resp: 73828

Ion Ratio Lower Upper

153 100

152 46.8 37.9 56.9

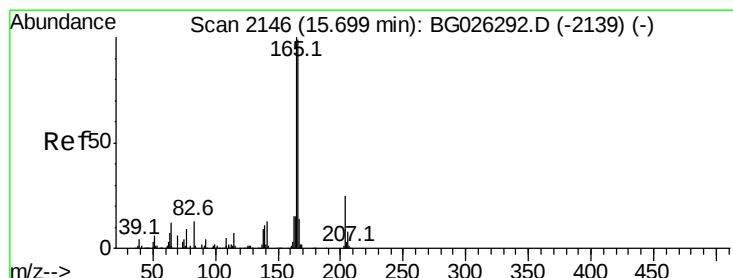
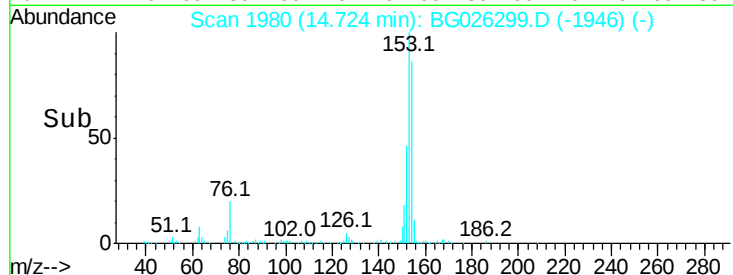
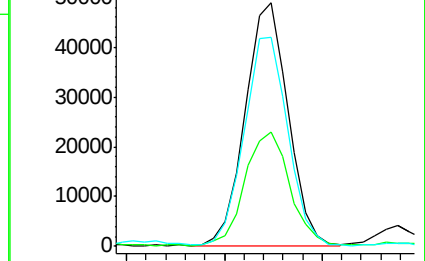
154 86.1 71.6 107.4



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: 2.60 ng/ul

RT: 15.70 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

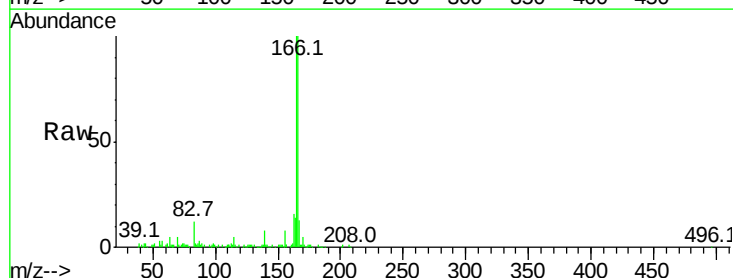
Tgt Ion:166 Resp: 78259

Ion Ratio Lower Upper

166 100

165 99.7 80.0 120.0

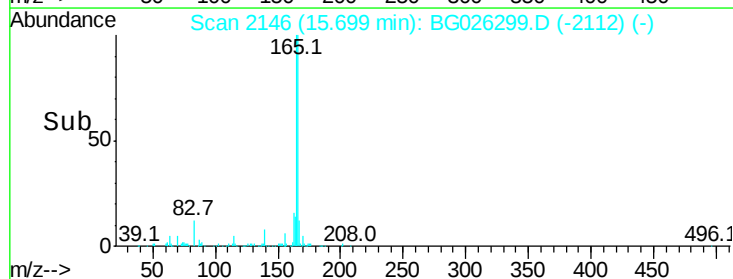
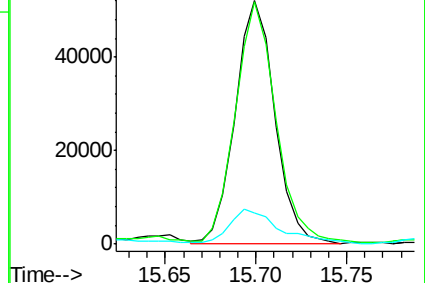
167 12.7 11.6 17.4

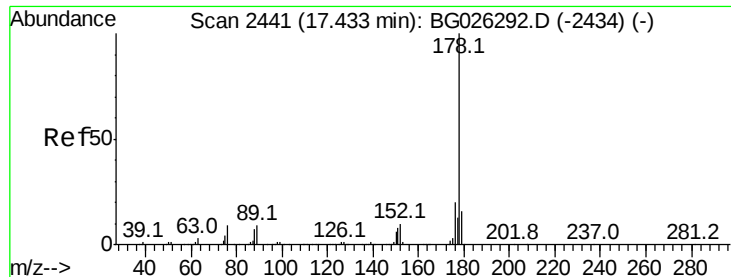


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

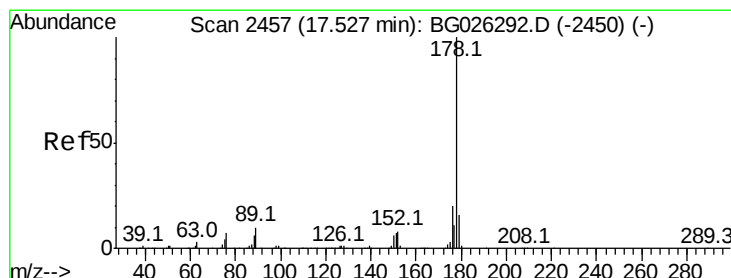
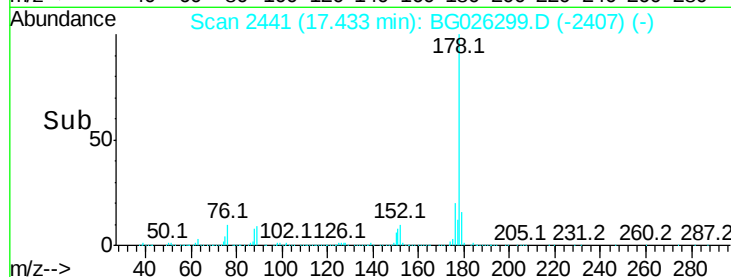
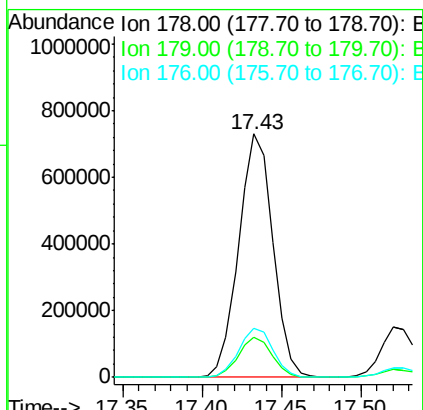
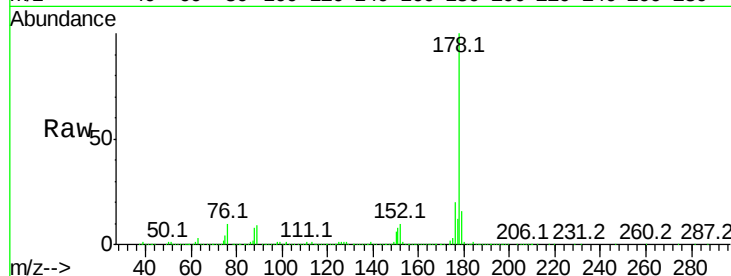




#14
Phenanthrene
Concen: 24.36 ng/ul
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

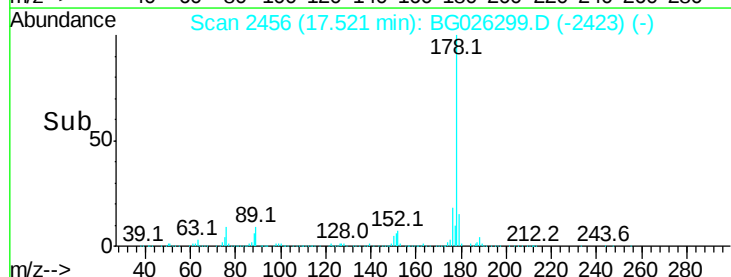
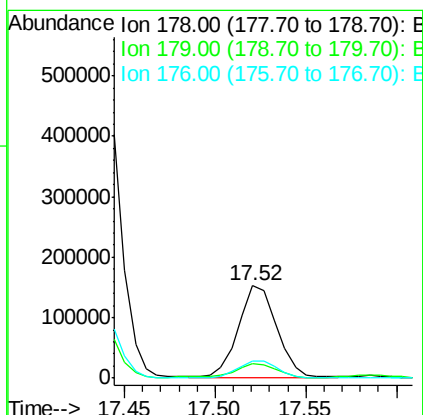
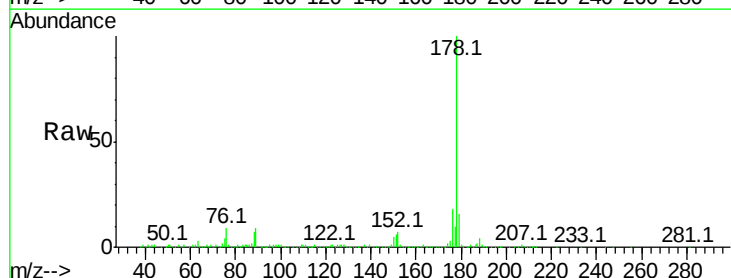
Instrument :
BNA_G
ClientSampleId :
CB2Z9

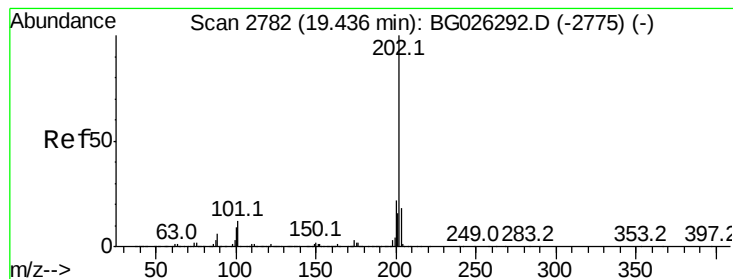
Tot Ion:178 Resp: 1091088
Ion Ratio Lower Upper
178 100
179 16.4 12.2 18.4
176 20.2 16.4 24.6



#16
Anthracene
Concen: 5.01 ng/ul
RT: 17.52 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Tgt Ion:178 Resp: 226891
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 18.1 15.8 23.8





#17

Fluoranthene

Concen: 31.78 ng/ul

RT: 19.44 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

ClientSampleId :

CB2Z9

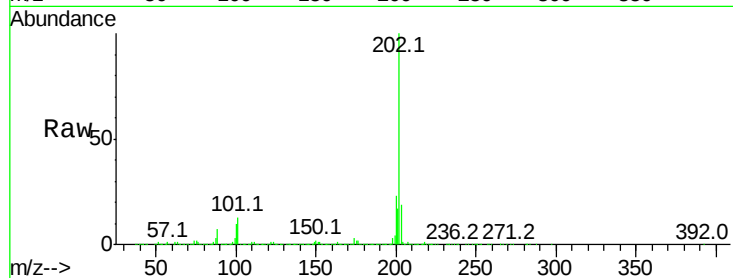
Tot Ion:202 Resp: 1477632

Ion Ratio Lower Upper

202 100

101 13.3 9.8 14.8

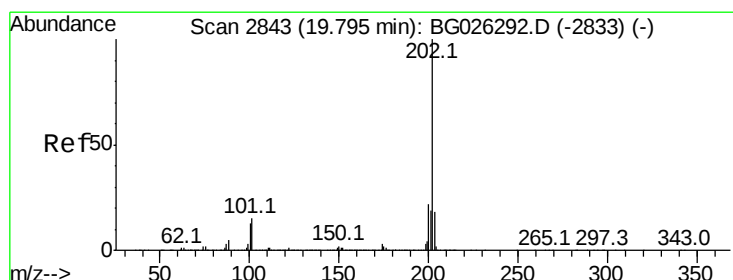
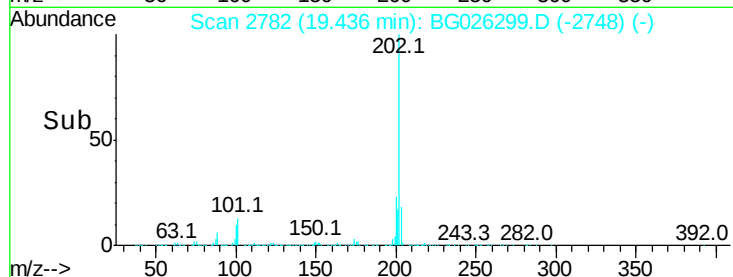
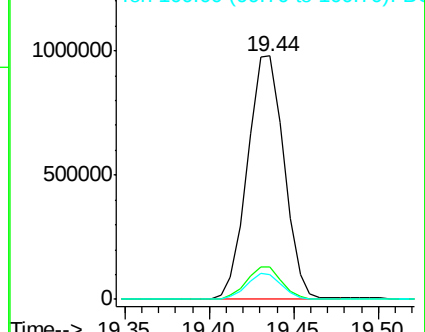
100 10.1 7.5 11.3



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: 23.11 ng/ul

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

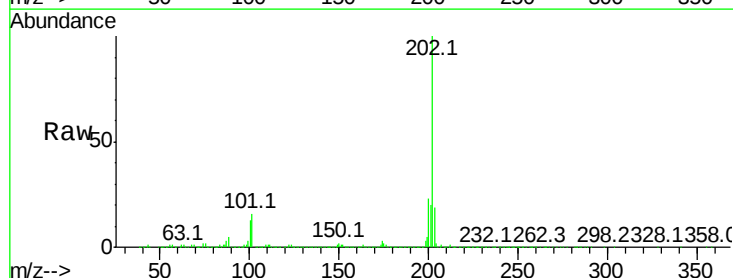
Tgt Ion:202 Resp: 1240433

Ion Ratio Lower Upper

202 100

101 15.9 11.2 16.8

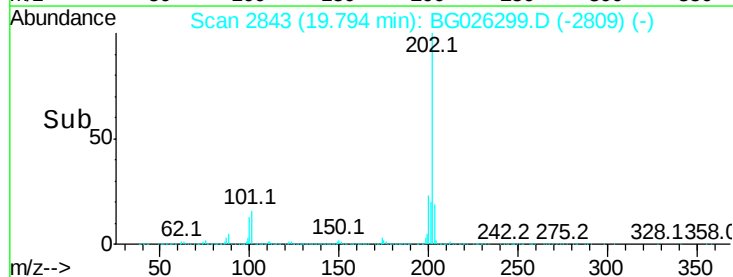
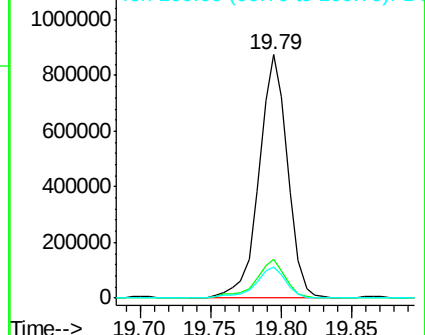
100 12.8 9.8 14.6

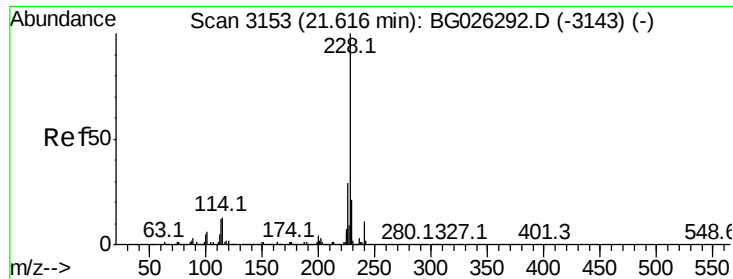


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

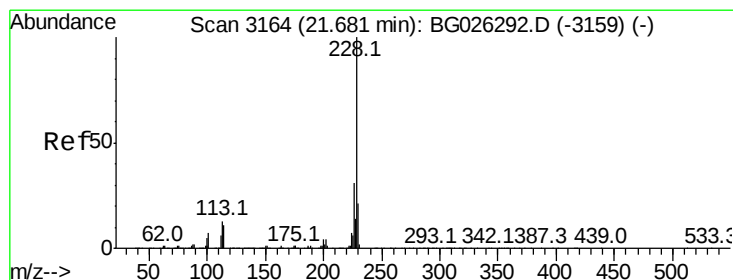
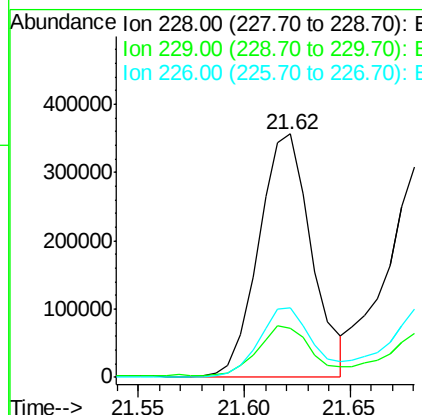
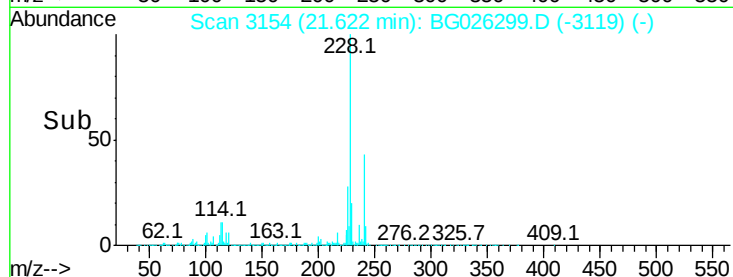
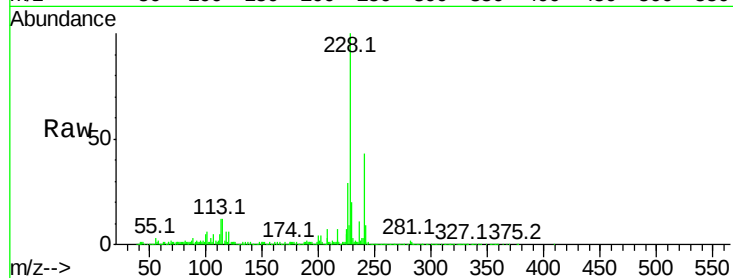




#21
Benzo(a)anthracene
Concen: 13.15 ng/ul
RT: 21.62 min Scan# 3154
Delta R.T. 0.01 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

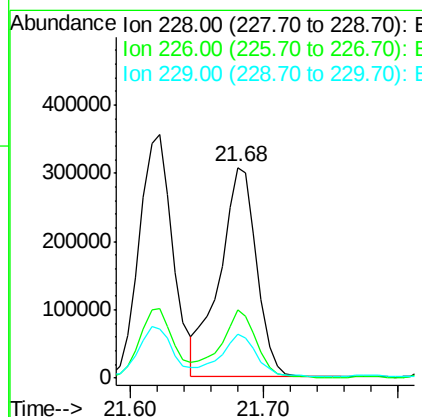
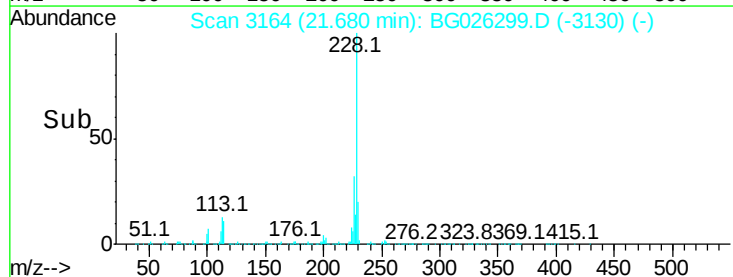
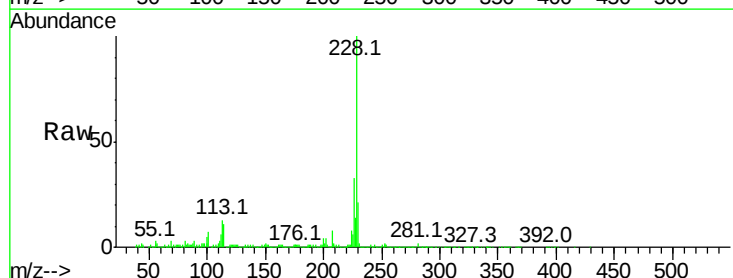
Instrument :
BNA_G
ClientSampleId :
CB2Z9

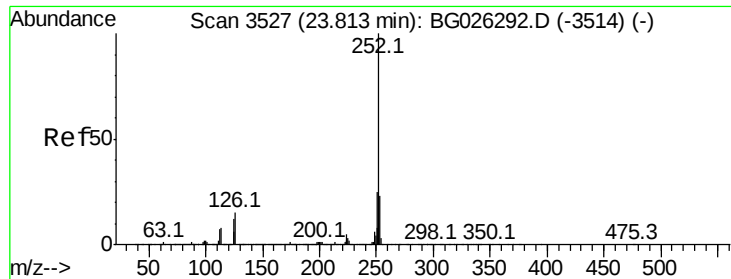
Tot Ion:228 Resp: 616969
Ion Ratio Lower Upper
228 100
229 20.3 15.9 23.9
226 28.5 22.1 33.1



#22
Chrysene
Concen: 13.55 ng/ul
RT: 21.68 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BG026299.D
Acq: 18 Mar 2017 2:30

Tgt Ion:228 Resp: 593274
Ion Ratio Lower Upper
228 100
226 32.6 25.0 37.6
229 20.8 16.6 25.0





#24

Benzo(b)fluoranthene

Concen: 15.86 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

ClientSampleId :

CB2Z9

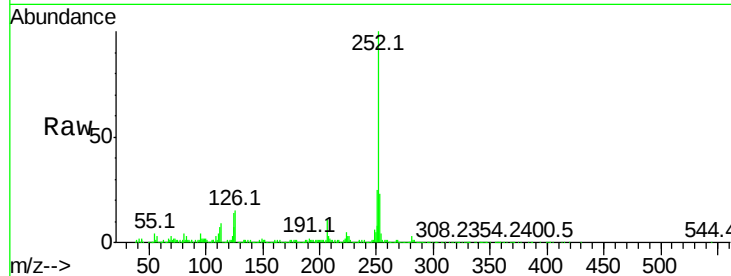
Tot Ion:252 Resp: 715522

Ion Ratio Lower Upper

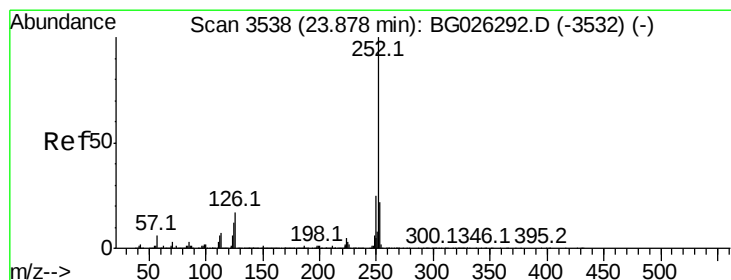
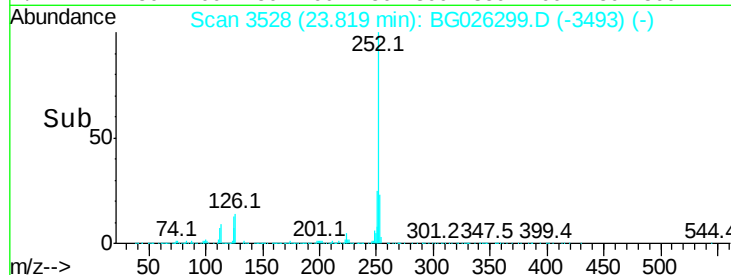
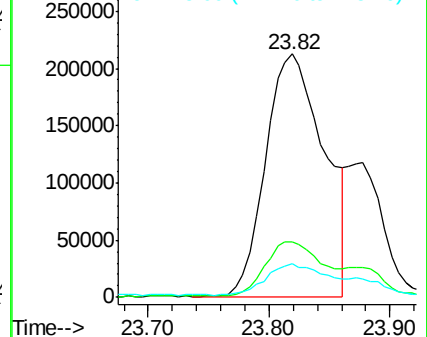
252 100

253 22.9 17.8 26.6

125 13.7 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: 16.61 ng/ul

RT: 23.82 min Scan# 3528

Delta R.T. -0.06 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

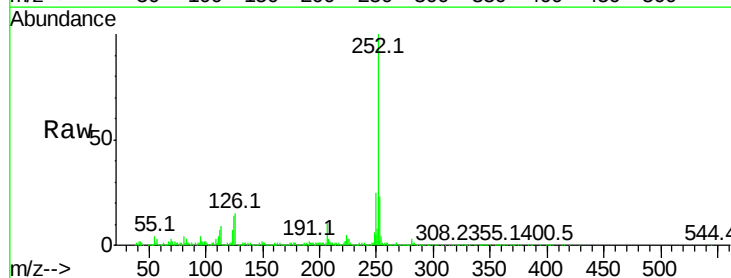
Tgt Ion:252 Resp: 715522

Ion Ratio Lower Upper

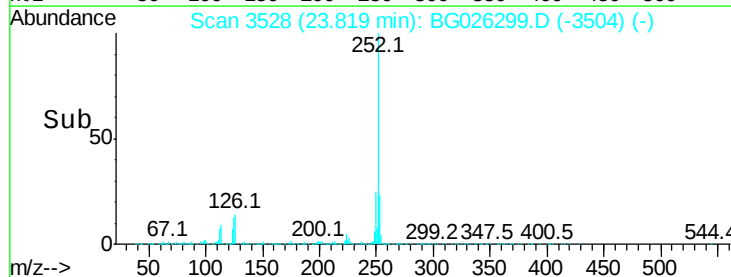
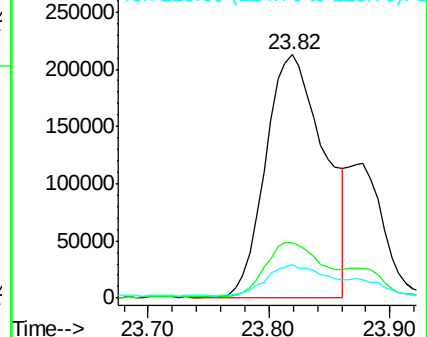
252 100

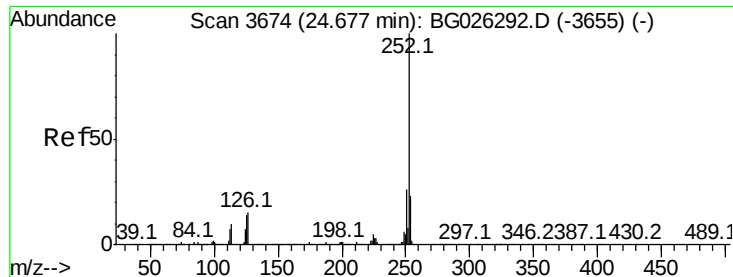
253 22.9 17.4 26.2

125 13.7 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: 9.57 ng/ul

RT: 24.68 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

Instrument :

BNA_G

ClientSampleId :

CB2Z9

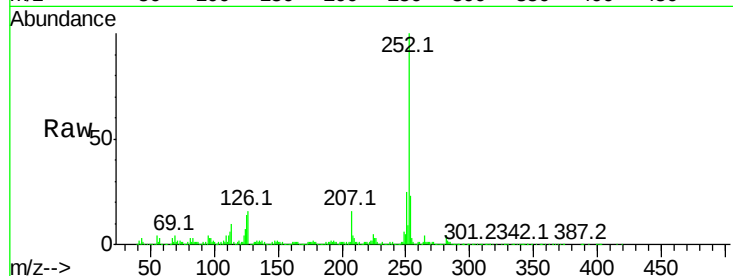
Tot Ion:252 Resp: 401284

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

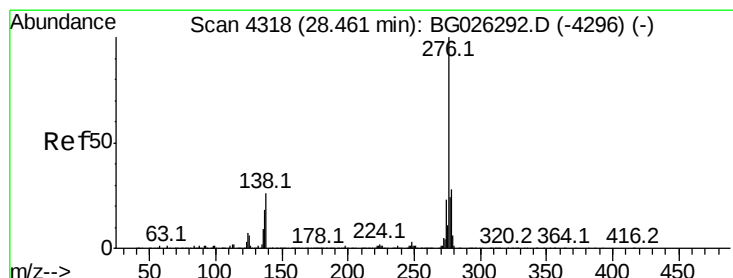
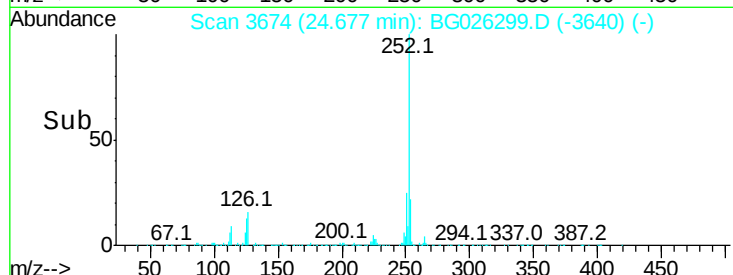
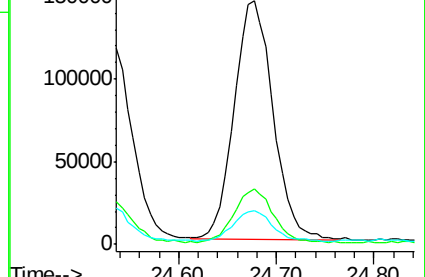
125 14.1 9.4 14.2



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: 3.61 ng/ul

RT: 28.45 min Scan# 4317

Delta R.T. -0.01 min

Lab File: BG026299.D

Acq: 18 Mar 2017 2:30

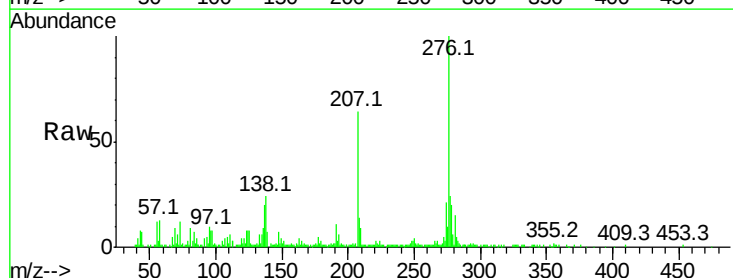
Tgt Ion:276 Resp: 167358

Ion Ratio Lower Upper

276 100

138 31.0 17.8 26.6#

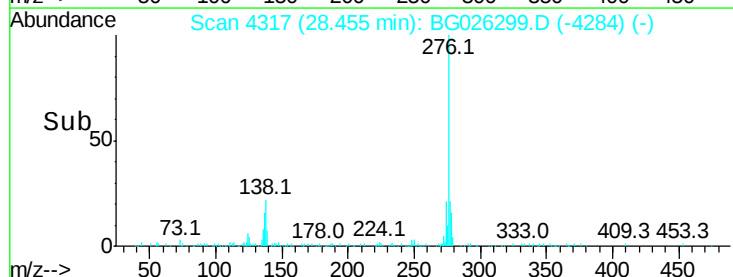
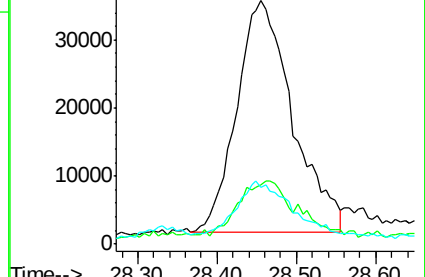
277 23.5 19.4 29.0

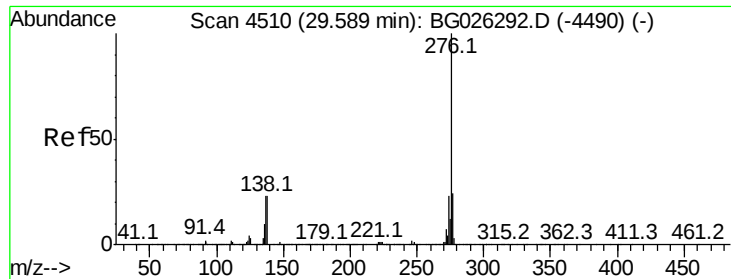


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#30
 Benzo(a,h,i)perylene
 Concen: 3.37 ng/ul
 RT: 29.59 min Scan# 4510
 Delta R.T. -0.00 min
 Lab File: BG026299.D
 Acq: 18 Mar 2017 2:30

Instrument :
 BNA_G
 ClientSampleId :
 CB2Z9

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	19.0	28.4
277	27.5	19.7	29.5

