

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102417\
 Data File : BG029426.D
 Acq On : 24 Oct 2017 16:01
 Operator : SJ/JU
 Sample : I5925-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB3L5

Quant Time: Oct 24 19:16:35 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 17 07:42:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	64601	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.98	136	306772	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	208267	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.52	188	504174	20.00	ng/ul	-0.01
75) Chrysene-d12	21.80	240	531837	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	540772	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	7079	4.45	ng/uL	0.00
5) Phenol-d5	7.31	99	139701	22.53	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.48	67	80901	20.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	109757	25.09	ng/ul	-0.01
13) 4-Methylphenol-d8	8.86	113	121480	24.26	ng/ul	-0.01
19) Nitrobenzene-d5	9.33	128	55412	25.16	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.06	143	65777	29.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	125211	24.35	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.11	131	146886	24.59	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	428307	24.05	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	529891	24.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.96	143	55256	16.81	ng/ul	-0.01
57) Fluorene-d10	15.77	176	392867	26.94	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.88	200	42372	17.22	ng/ul	-0.01
70) Anthracene-d10	17.62	188	597383	25.05	ng/ul	-0.01
76) Pyrene-d10	19.89	212	686532	24.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	662056	25.85	ng/ul	-0.01

Target Compounds

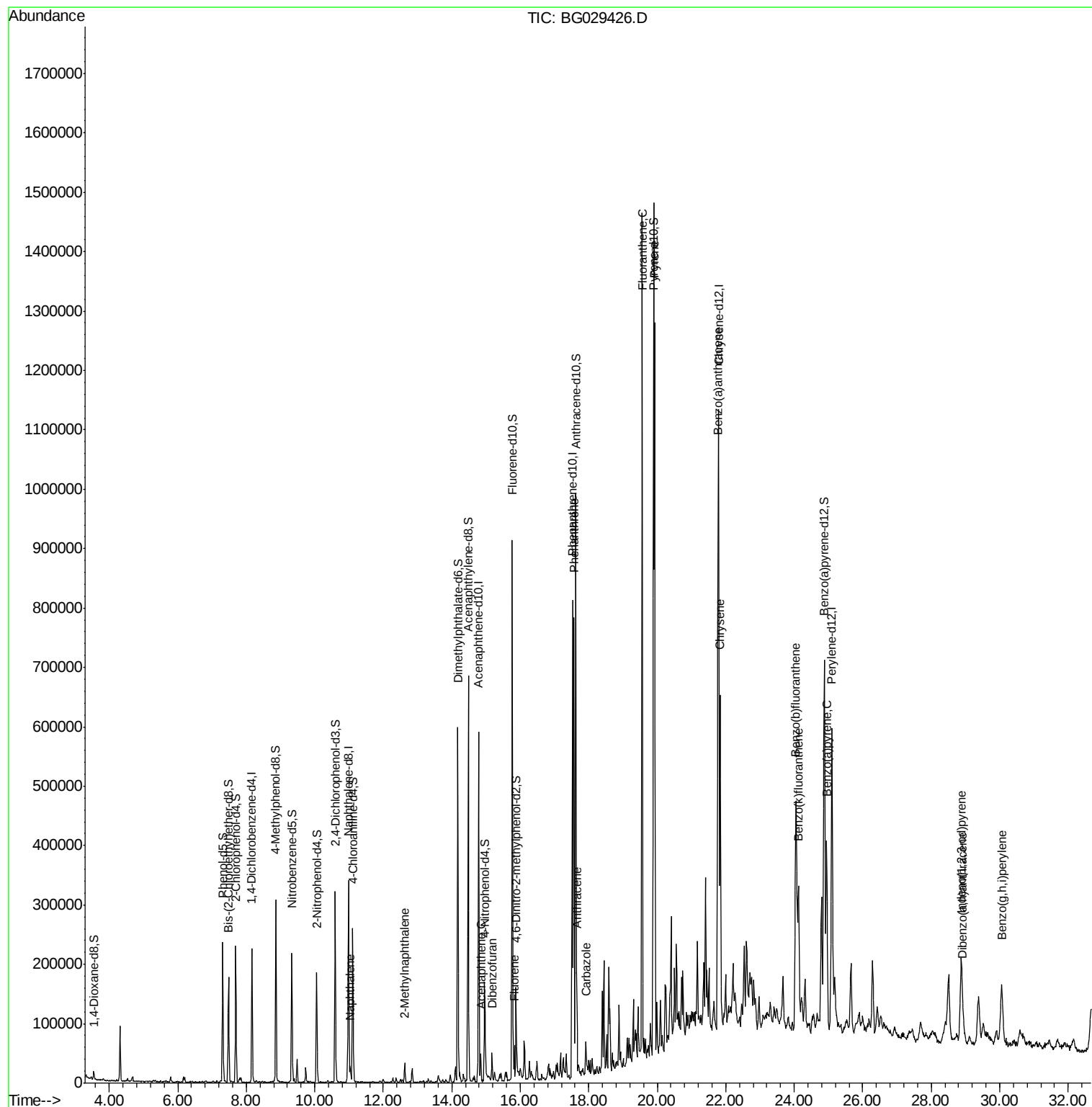
					Ovalue	
28) Naphthalene	11.03	128	23443	1.444	ng/ul#	96
34) 2-Methylnaphthalene	12.63	142	16285	1.212	ng/ul	94
49) Acenaphthene	14.84	153	19975	1.322	ng/ul	99
53) Dibenzofuran	15.18	168	23851	1.154	ng/ul#	87
58) Fluorene	15.83	166	25389	1.540	ng/ul	99
69) Phenanthrene	17.56	178	493675	18.113	ng/ul	98
71) Anthracene	17.65	178	102946	3.661	ng/ul	98
72) Carbazole	17.92	167	34527	1.366	ng/ul	98
74) Fluoranthene	19.56	202	880013	28.891	ng/ul	99
77) Pyrene	19.92	202	777580	21.815	ng/ul	98
80) Benzo(a)anthracene	21.77	228	461963	13.860	ng/ul	99
82) Chrysene	21.84	228	411715	13.595	ng/ul	97
85) Benzo(b)fluoranthene	24.05	252	520443	16.031	ng/ul	96
86) Benzo(k)fluoranthene	24.11	252	168610	5.372	ng/ul	99
88) Benzo(a)pyrene	24.94	252	358532	11.346	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.88	276	239584	6.701	ng/ul	96
90) Dibenzo(a,h)anthracene	28.93	278	66783	2.249	ng/ul#	92
91) Benzo(g,h,i)perylene	30.06	276	209406	7.066	ng/ul#	93

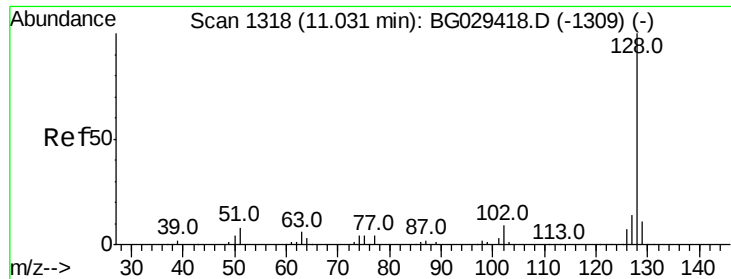
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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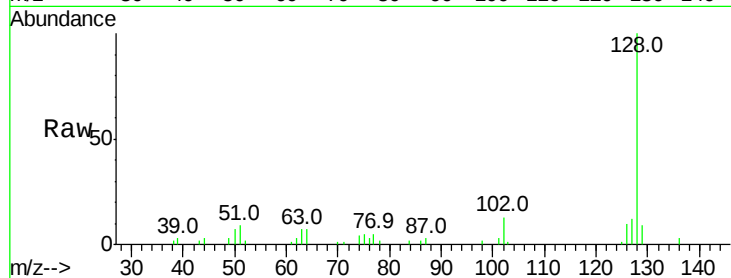




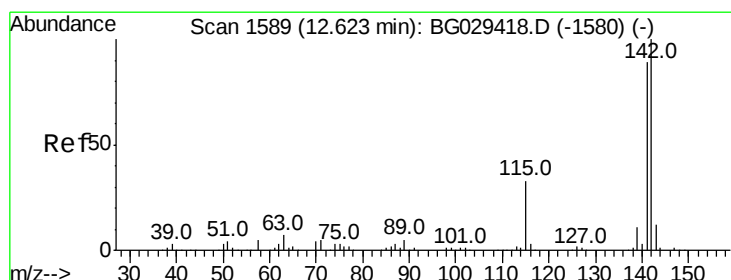
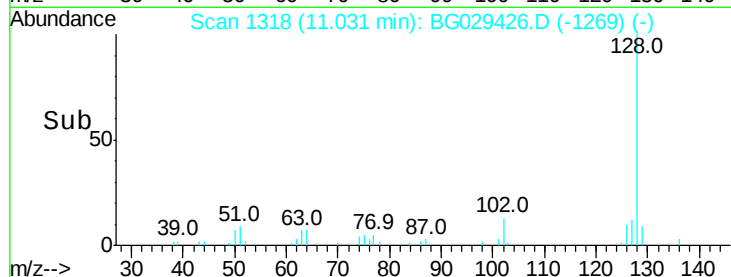
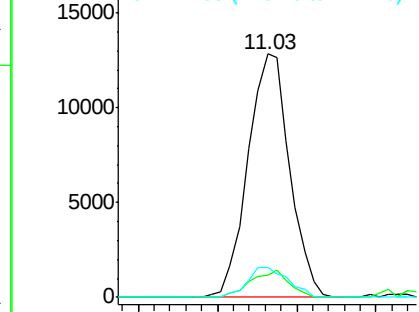
#28
Naphthalene
Concen: 1.444 ng/ul
RT: 11.03 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BG029426.D
Acq: 24 Oct 2017 16:01

Instrument :
BNA_G
ClientSampleId :
CB3L5

Tot Ion:128 Resp: 23443
Ion Ratio Lower Upper
128 100
129 9.0 9.3 13.9#
127 12.5 10.7 16.1

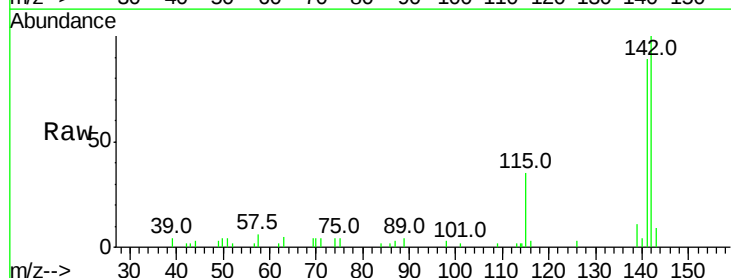


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

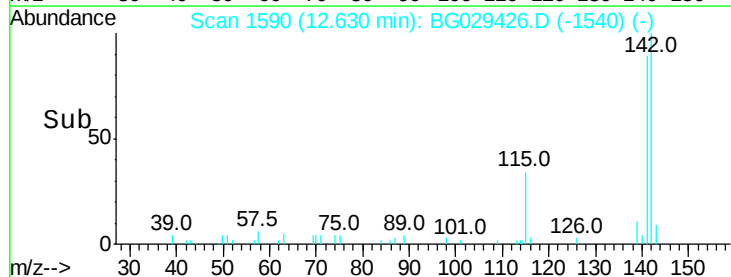
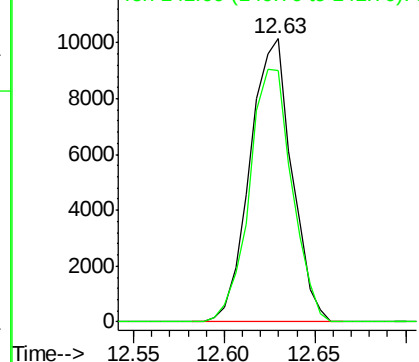


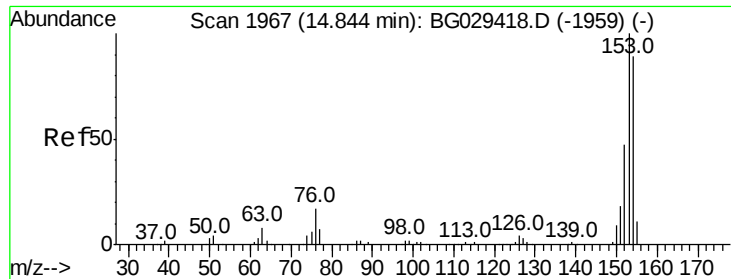
#34
2-Methylnaphthalene
Concen: 1.212 ng/ul
RT: 12.63 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG029426.D
Acq: 24 Oct 2017 16:01

Tgt Ion:142 Resp: 16285
Ion Ratio Lower Upper
142 100
141 88.7 75.4 113.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 1.322 ng/ul

RT: 14.84 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

Instrument :

BNA_G

ClientSampleId :

CB3L5

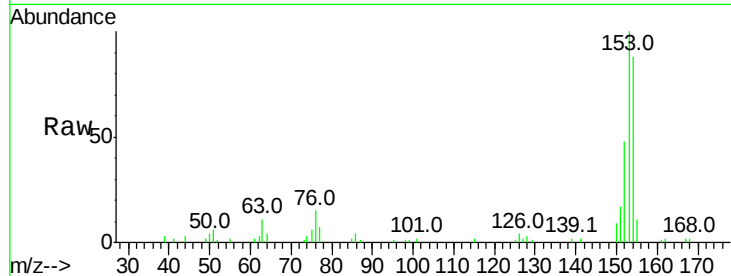
Tot Ion:153 Resp: 19975

Ion	Ratio	Lower	Upper
153	100		
152	48.3	38.2	57.2
154	87.7	70.6	105.8

153 100

152 48.3 38.2 57.2

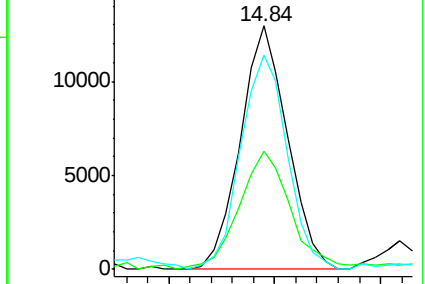
154 87.7 70.6 105.8



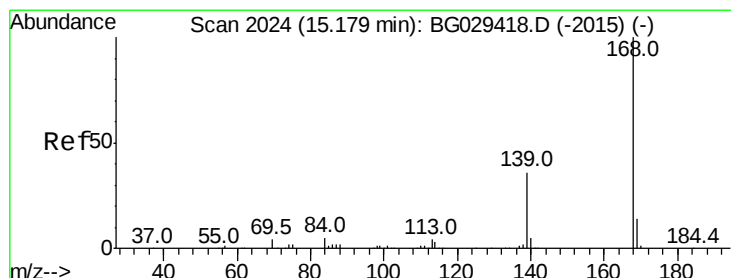
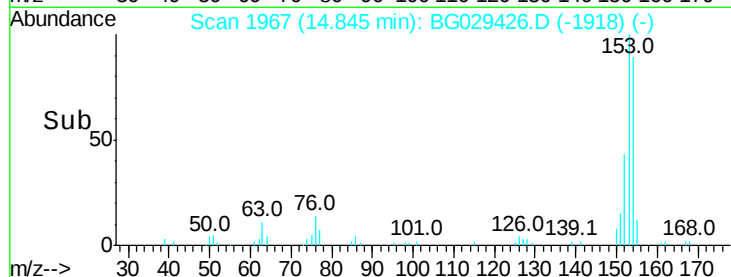
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#53

Dibenzofuran

Concen: 1.154 ng/ul

RT: 15.18 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BG029426.D

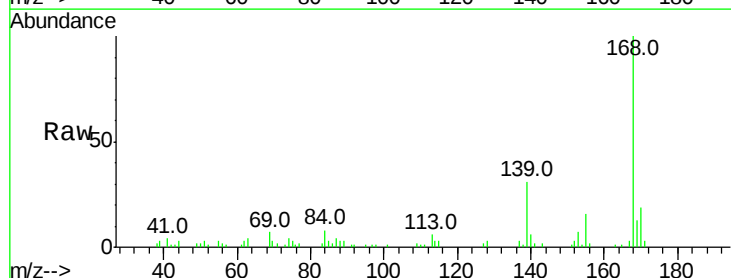
Acq: 24 Oct 2017 16:01

Tgt Ion:168 Resp: 23851

Ion	Ratio	Lower	Upper
168	100		
139	31.0	31.4	47.2

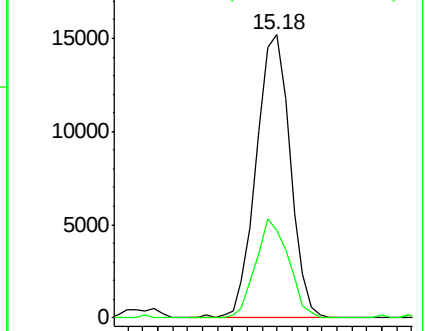
168 100

139 31.0 31.4 47.2

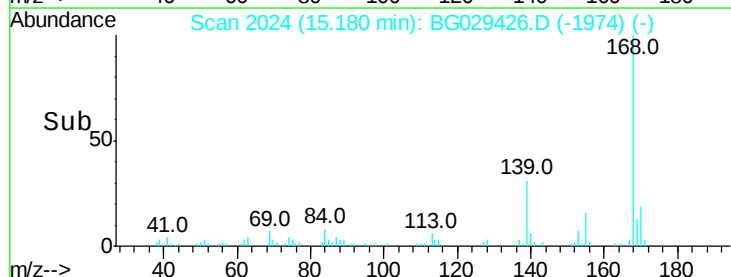


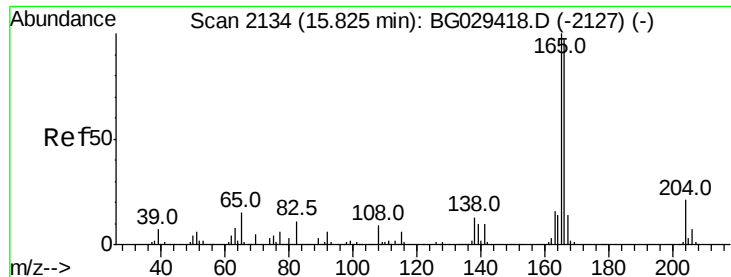
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#58

Fluorene

Concen: 1.540 ng/ul

RT: 15.83 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

Instrument :

BNA_G

ClientSampleId :

CB3L5

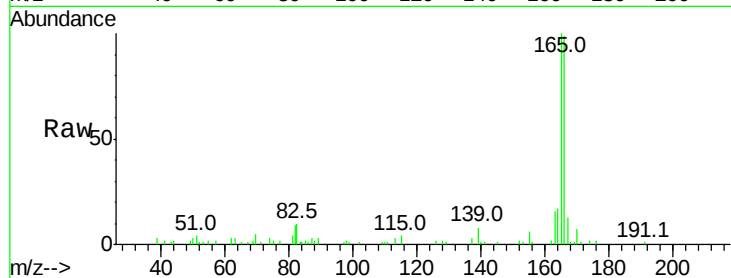
Tot Ion:166 Resp: 25389

Ion Ratio Lower Upper

166 100

165 100.8 79.9 119.9

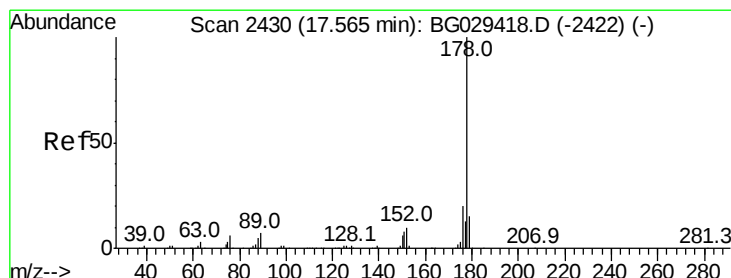
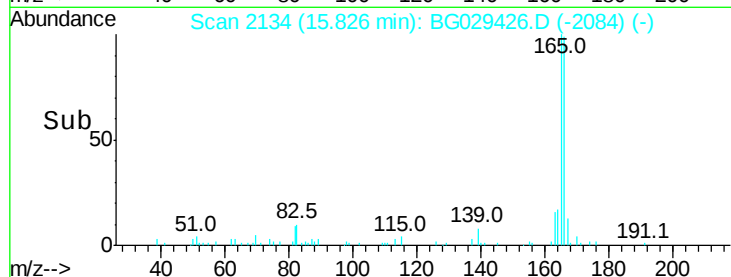
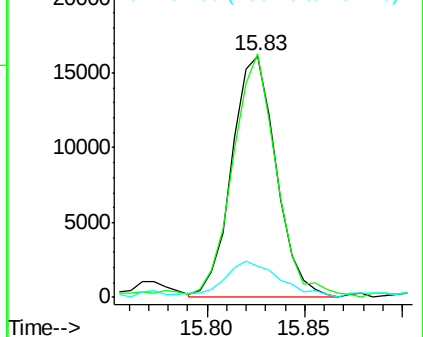
167 13.0 10.6 16.0



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



#69

Phenanthrene

Concen: 18.113 ng/ul

RT: 17.56 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

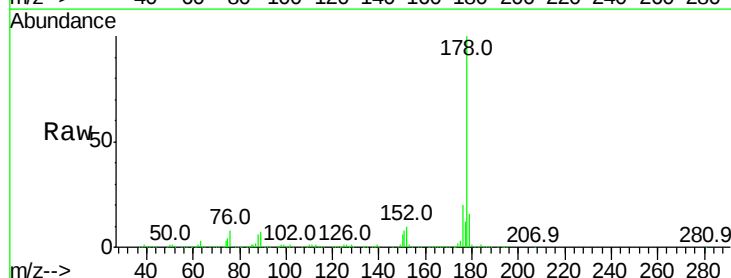
Tgt Ion:178 Resp: 493675

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

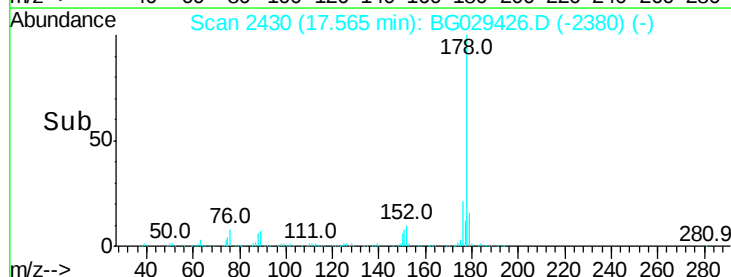
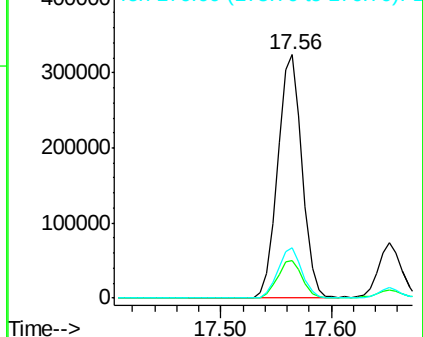
176 20.5 15.3 22.9

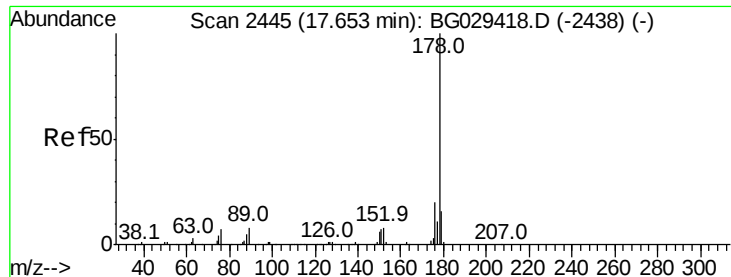


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

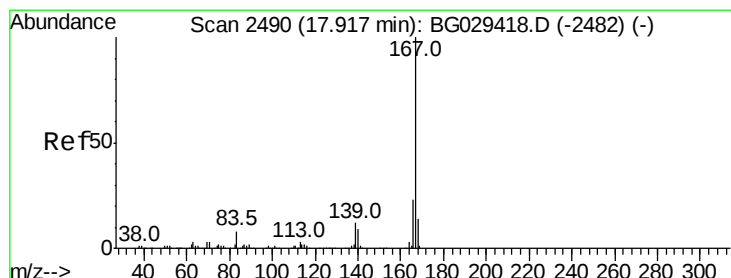
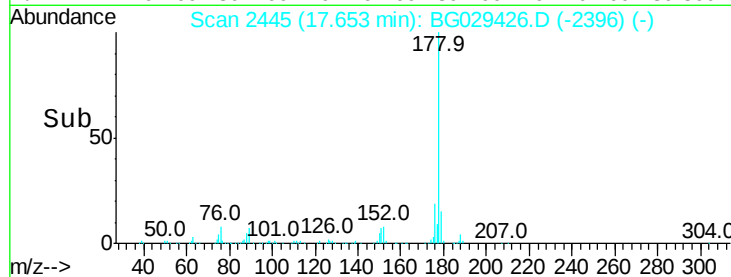
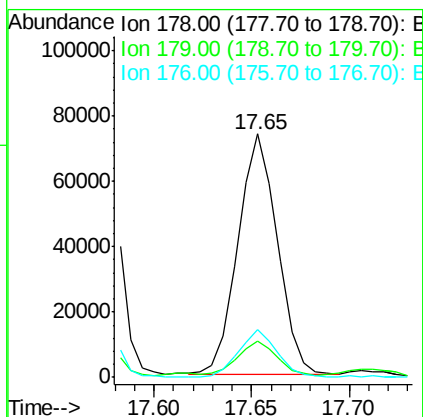
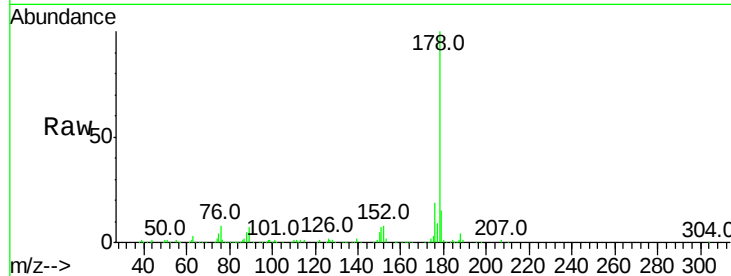




#71
 Anthracene
 Concen: 3.661 ng/ul
 RT: 17.65 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG029426.D
 Acq: 24 Oct 2017 16:01

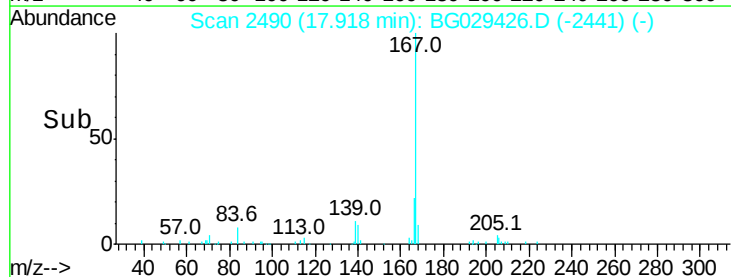
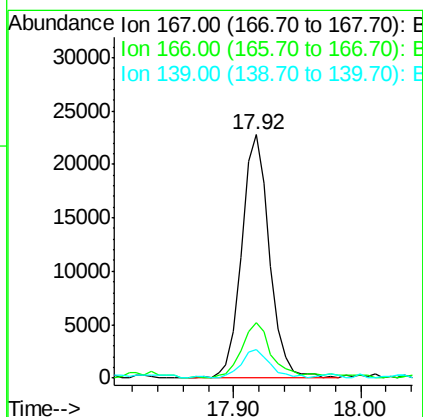
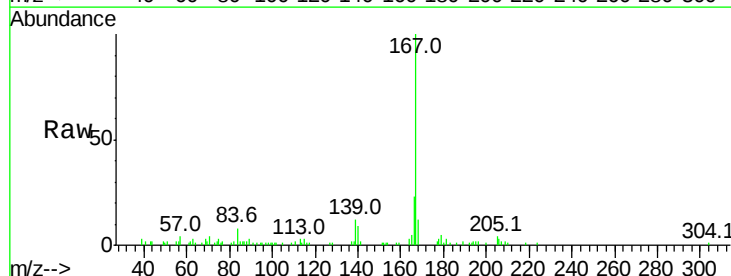
Instrument :
 BNA_G
 ClientSampled :
 CB3L5

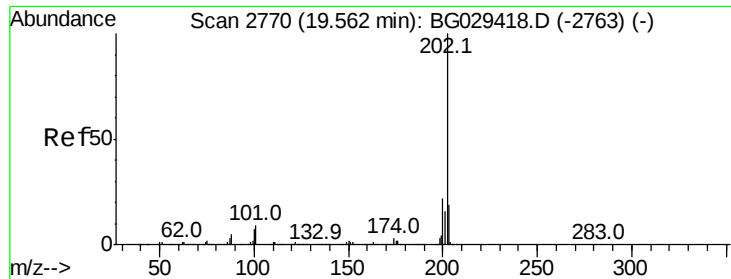
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	13.2	19.8
176	19.4	16.0	24.0



#72
 Carbazole
 Concen: 1.366 ng/ul
 RT: 17.92 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BG029426.D
 Acq: 24 Oct 2017 16:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.6	28.0
139	11.8	10.6	16.0





#74

Fluoranthene

Concen: 28.891 ng/ul

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

Instrument :

BNA_G

ClientSampleId :

CB3L5

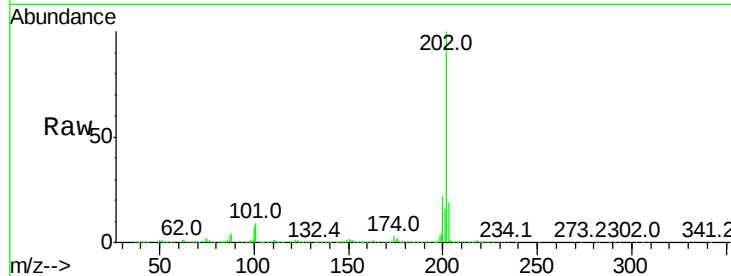
Tot Ion:202 Resp: 880013

Ion Ratio Lower Upper

202 100

101 8.8 7.4 11.2

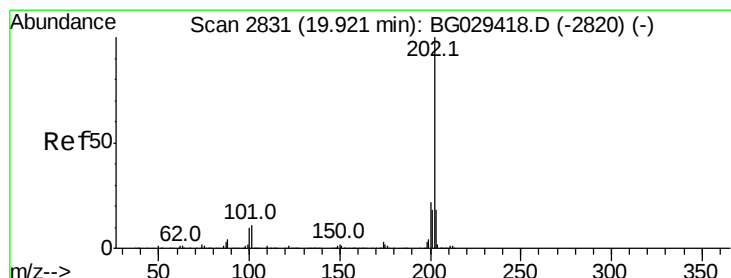
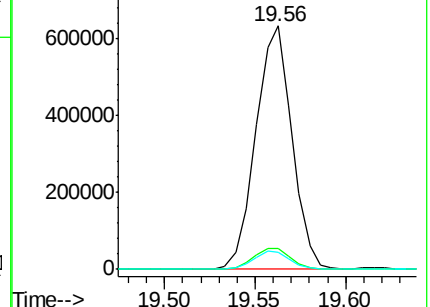
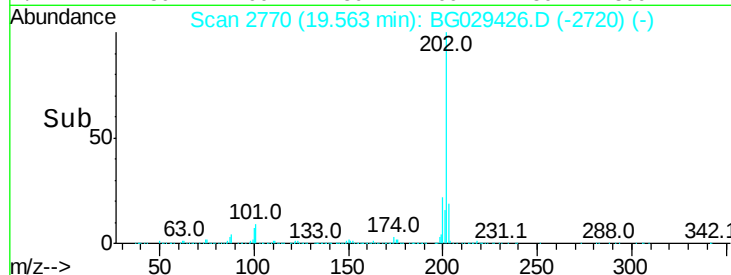
100 7.1 5.6 8.4



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



#77

Pyrene

Concen: 21.815 ng/ul

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

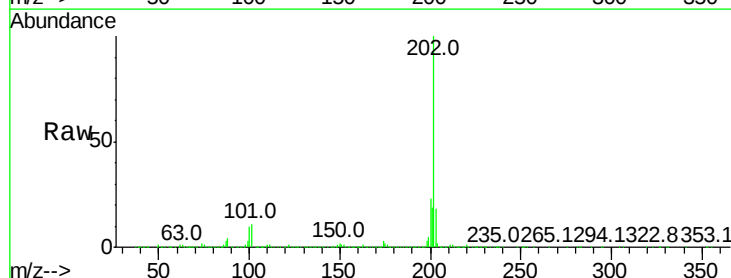
Tgt Ion:202 Resp: 777580

Ion Ratio Lower Upper

202 100

101 11.3 8.4 12.6

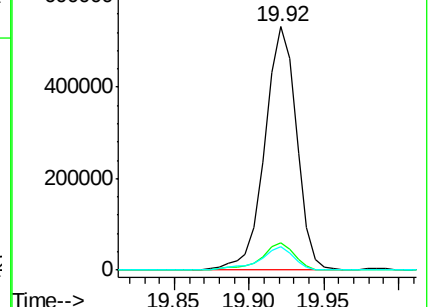
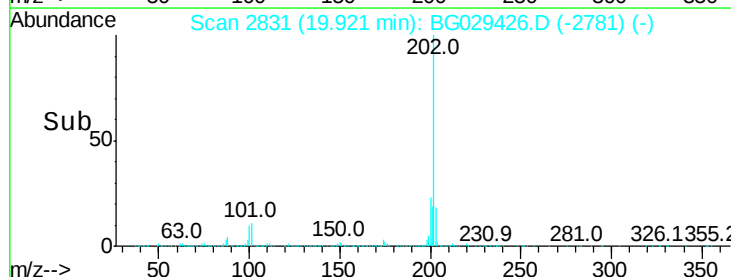
100 9.5 7.0 10.6

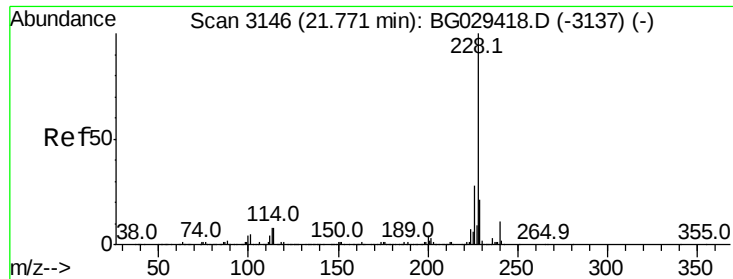


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

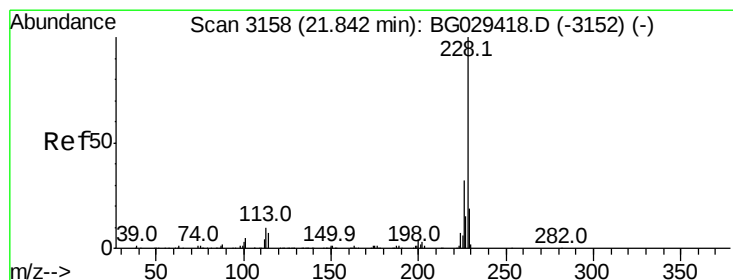
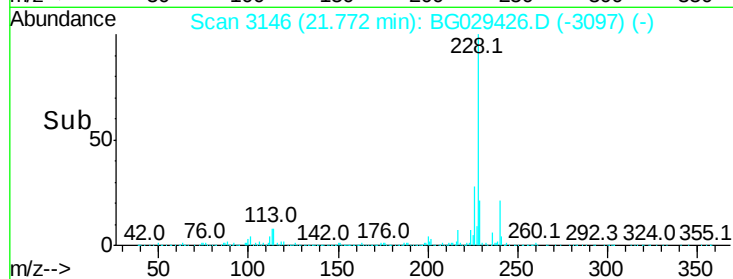
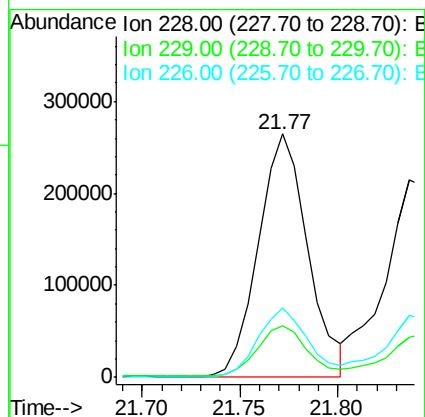
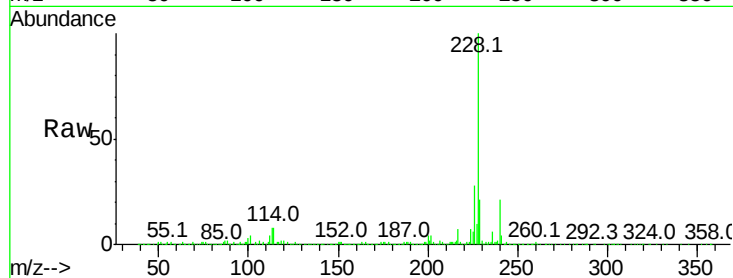




#80
Benzo(a)anthracene
Concen: 13.860 ng/ul
RT: 21.77 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG029426.D
Acq: 24 Oct 2017 16:01

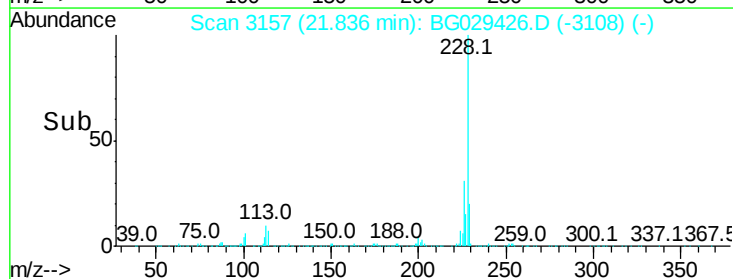
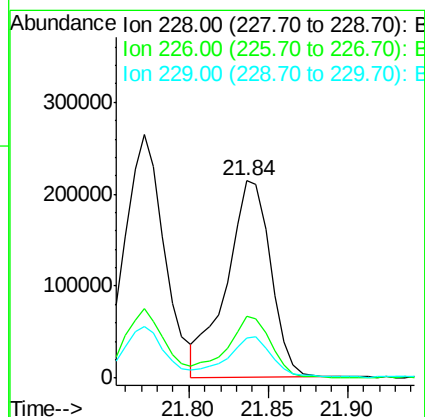
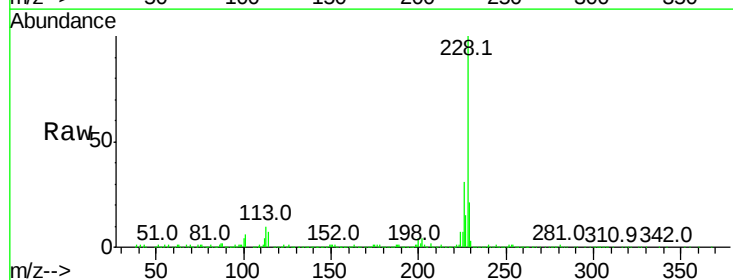
Instrument :
BNA_G
ClientSampleId :
CB3L5

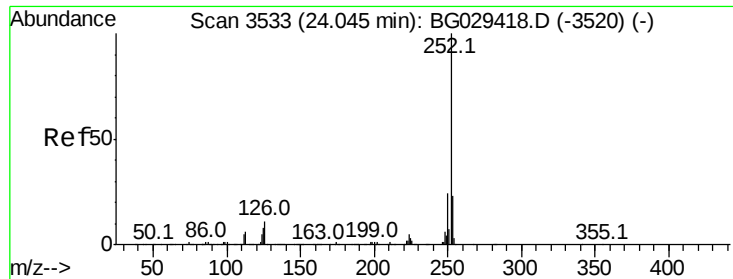
Tot Ion:228 Resp: 461963
Ion Ratio Lower Upper
228 100
229 21.1 16.2 24.4
226 28.4 22.2 33.2



#82
Chrysene
Concen: 13.595 ng/ul
RT: 21.84 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG029426.D
Acq: 24 Oct 2017 16:01

Tgt Ion:228 Resp: 411715
Ion Ratio Lower Upper
228 100
226 31.3 24.2 36.2
229 20.7 15.2 22.8





#85

Benzo(b)fluoranthene

Concen: 16.031 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

Instrument :

BNA_G

ClientSampleId :

CB3L5

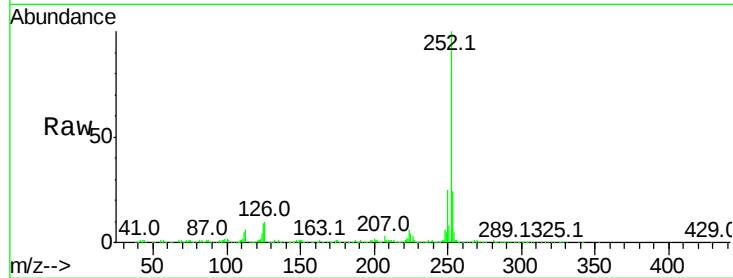
Tot Ion:252 Resp: 520443

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

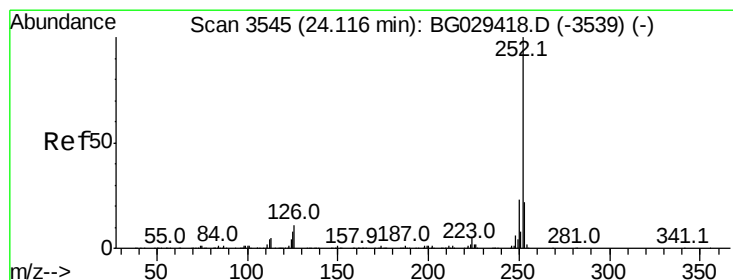
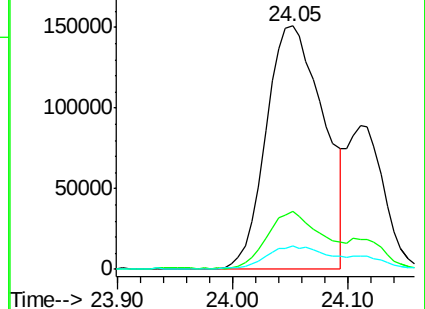
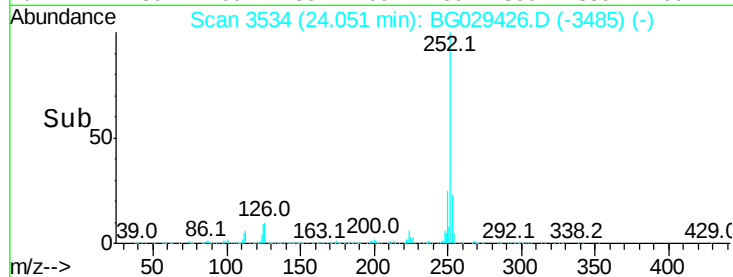
125 9.4 7.5 11.3



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



#86

Benzo(k)fluoranthene

Concen: 5.372 ng/ul

RT: 24.11 min Scan# 3544

Delta R.T. -0.02 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

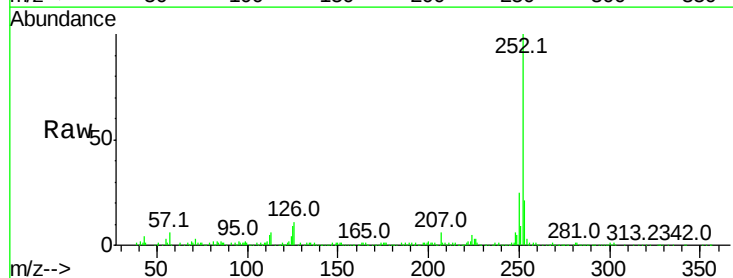
Tgt Ion:252 Resp: 168610

Ion Ratio Lower Upper

252 100

253 21.1 17.2 25.8

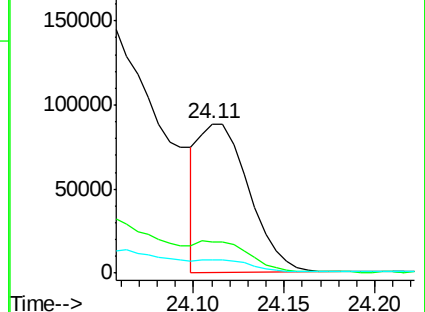
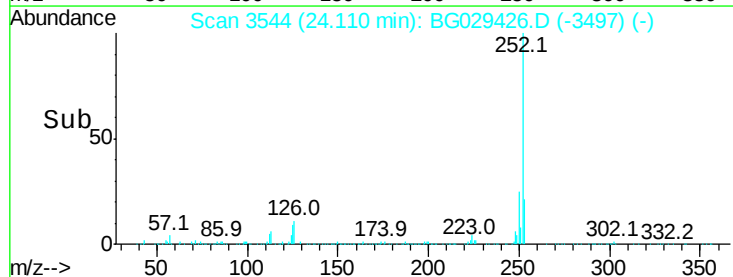
125 9.2 7.8 11.8

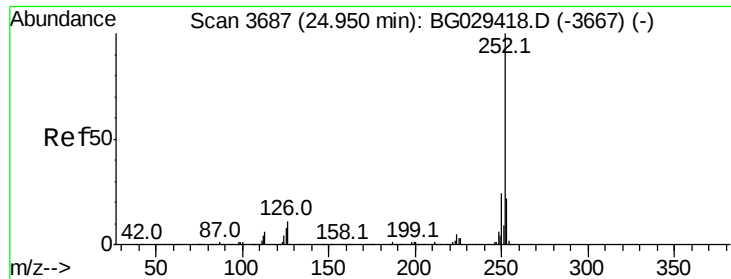


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.346 ng/uL

RT: 24.94 min Scan# 3686

Delta R.T. -0.02 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

Instrument :

BNA_G

ClientSampleId :

CB3L5

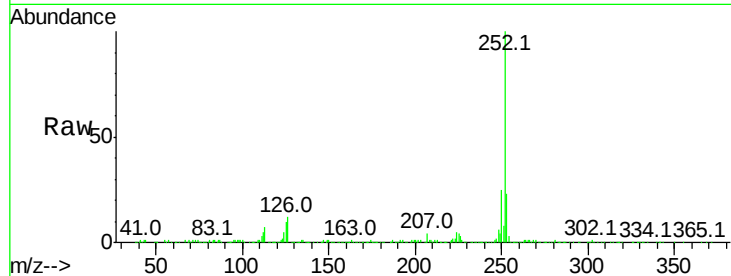
Tot Ion:252 Resp: 358532

Ion Ratio Lower Upper

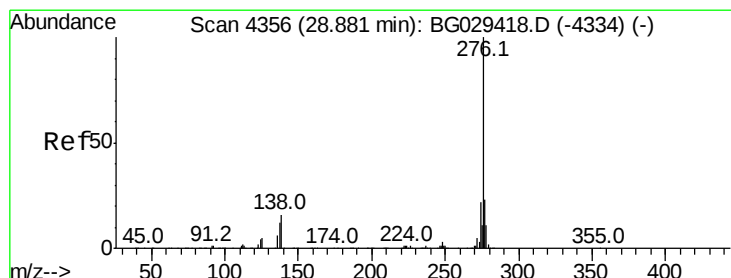
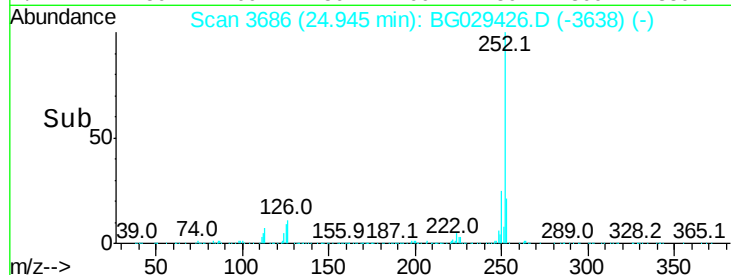
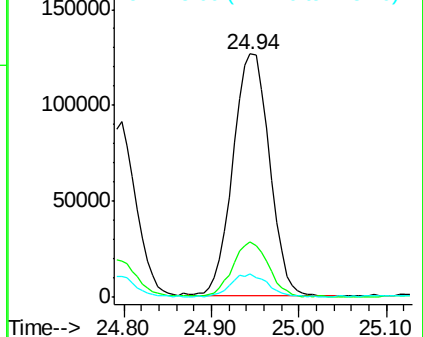
252 100

253 22.9 17.1 25.7

125 9.5 7.8 11.8



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.701 ng/uL

RT: 28.88 min Scan# 4355

Delta R.T. -0.04 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

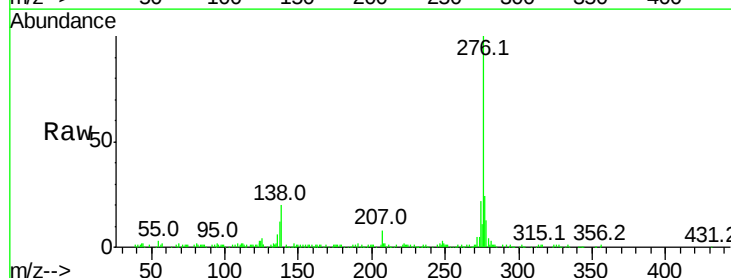
Tgt Ion:276 Resp: 239584

Ion Ratio Lower Upper

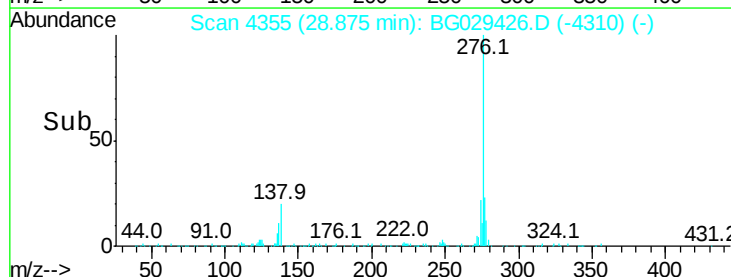
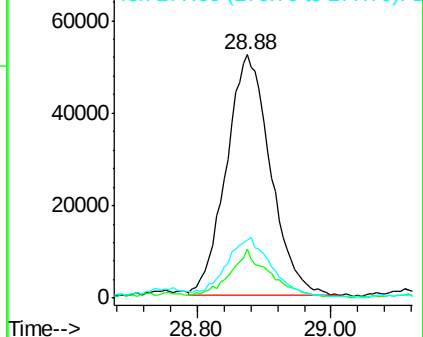
276 100

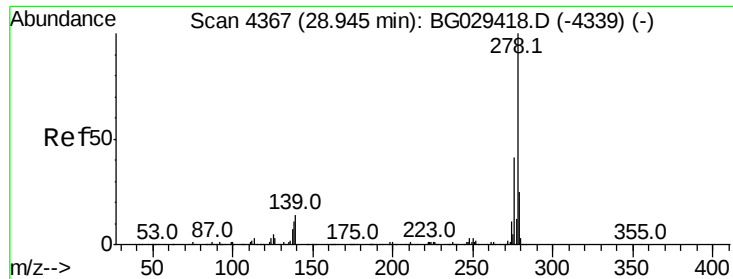
138 19.9 13.4 20.0

277 24.0 18.6 28.0



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





#90

Dibenzo(a,h)anthracene

Concen: 2.249 ng/ul

RT: 28.93 min Scan# 4364

Delta R.T. -0.05 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

Instrument :

BNA_G

ClientSampleId :

CB3L5

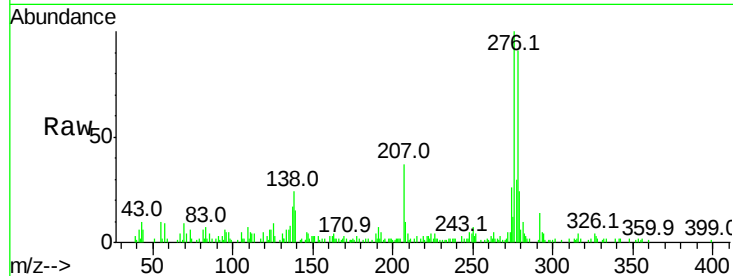
Tot Ion:278 Resp: 66783

Ion Ratio Lower Upper

278 100

139 16.0 9.4 14.2#

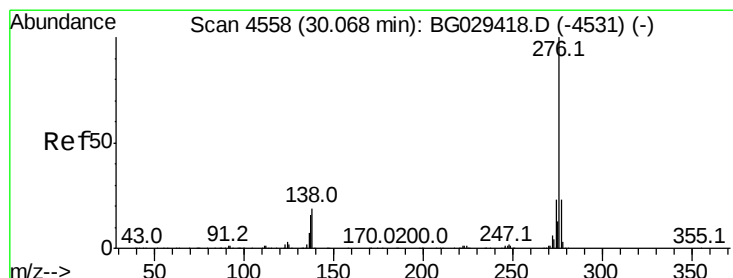
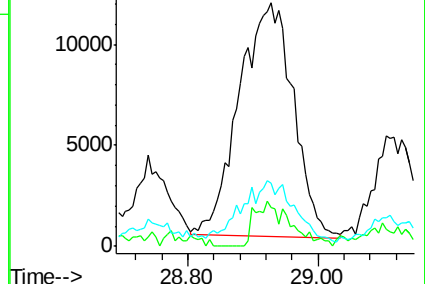
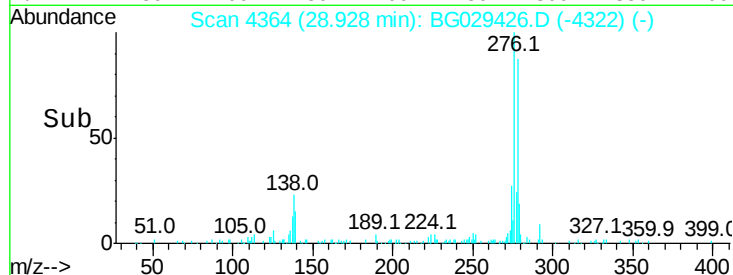
279 26.0 18.4 27.6



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



#91

Benzo(g,h,i)perylene

Concen: 7.066 ng/ul

RT: 30.06 min Scan# 4556

Delta R.T. -0.04 min

Lab File: BG029426.D

Acq: 24 Oct 2017 16:01

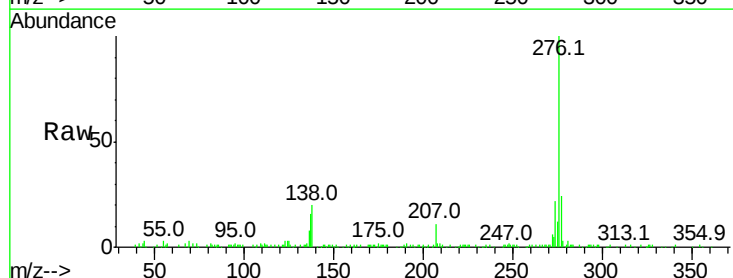
Tgt Ion:276 Resp: 209406

Ion Ratio Lower Upper

276 100

138 19.7 12.1 18.1#

277 24.2 17.7 26.5



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

