

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029236.D
 Acq On : 14 Oct 2017 23:34
 Operator : SJ/JU
 Sample : I5548-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 15 01:42:10 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 01:38:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	103662	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	465578	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	283035	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	601251	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	534162	20.00	ng/ul	0.00
83) Perylene-d12	25.12	264	527426	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	14051	5.51	ng/uL	0.00
5) Phenol-d5	7.32	99	280827	28.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	182871	29.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	209189	29.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	196469	24.45	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	108774	32.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	118442	34.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	221405	28.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	262809	28.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	710796	29.37	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	884410	30.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	110155	24.66	ng/ul	0.00
57) Fluorene-d10	15.78	176	609984	30.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	77586	26.44	ng/ul	0.00
70) Anthracene-d10	17.62	188	842028	29.61	ng/ul	0.00
76) Pyrene-d10	19.90	212	859373	31.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	749076	29.99	ng/ul	0.01

Target Compounds

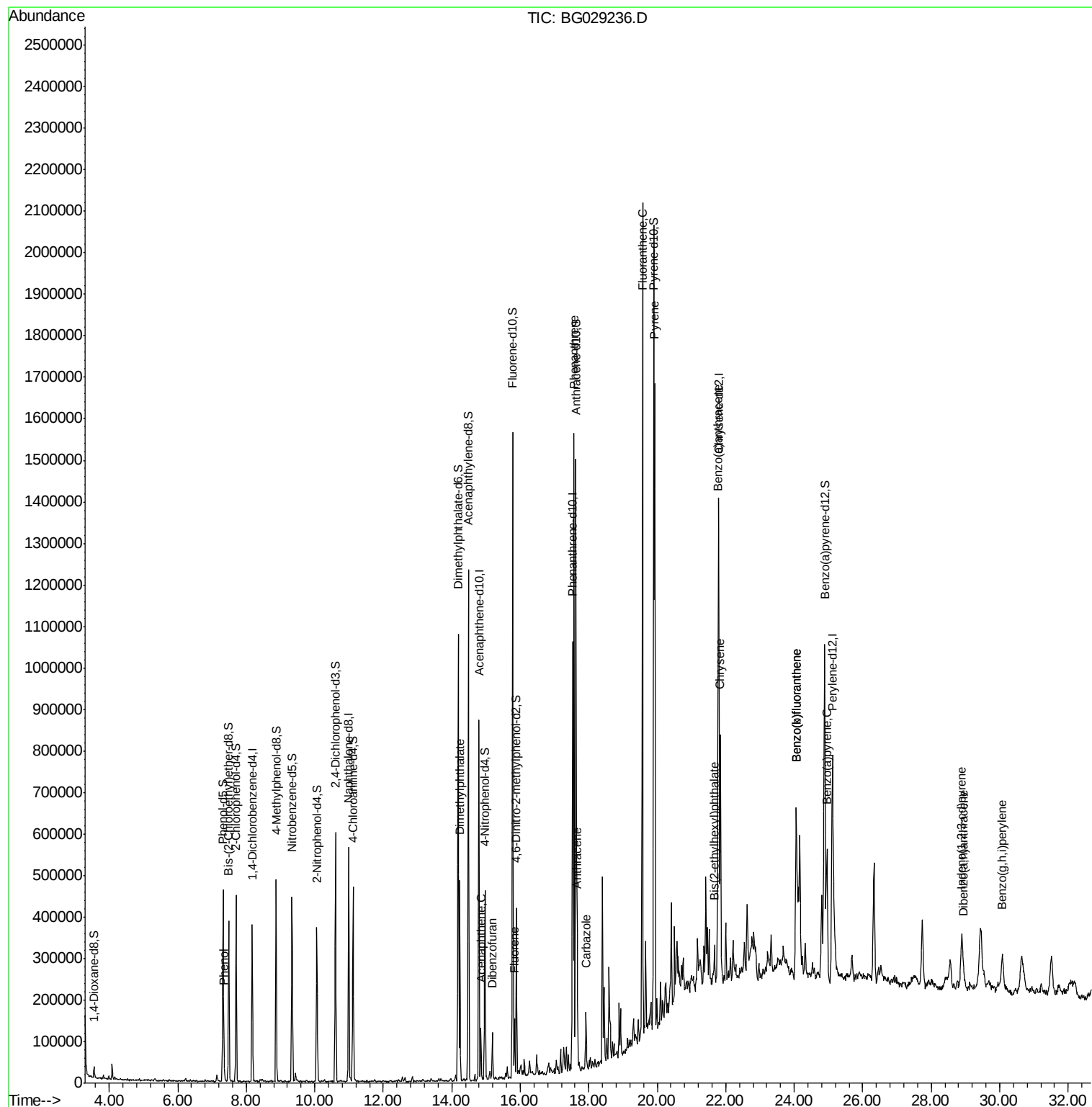
					Ovalue	
6) Phenol	7.35	94	30446	2.96	ng/ul#	87
44) Dimethylphthalate	14.23	163	291176	12.34	ng/ul	98
49) Acenaphthene	14.85	153	52644	2.56	ng/ul	98
53) Dibenzofuran	15.19	168	37410	1.33	ng/ul	95
58) Fluorene	15.83	166	60824	2.72	ng/ul	93
69) Phenanthrene	17.57	178	899188	27.66	ng/ul	97
71) Anthracene	17.66	178	198543	5.92	ng/ul	100
72) Carbazole	17.92	167	85282	2.83	ng/ul	97
74) Fluoranthene	19.57	202	1183210	32.57	ng/ul#	90
77) Pyrene	19.93	202	919720	25.69	ng/ul#	86
80) Benzo(a)anthracene	21.78	228	459534	13.73	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.67	149	31939	1.52	ng/ul	93
82) Chrysene	21.85	228	407468	13.40	ng/ul	94
85) Benzo(b)fluoranthene	24.06	252	492831	15.56	ng/ul#	93
86) Benzo(k)fluoranthene	24.06	252	492831	16.10	ng/ul#	93
88) Benzo(a)pyrene	24.96	252	336049	10.90	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	28.89	276	214152	6.14	ng/ul#	89
90) Dibenzo(a,h)anthracene	28.94	278	54819	1.89	ng/ul#	71
91) Benzo(g,h,i)perylene	30.07	276	158453	5.48	ng/ul#	88

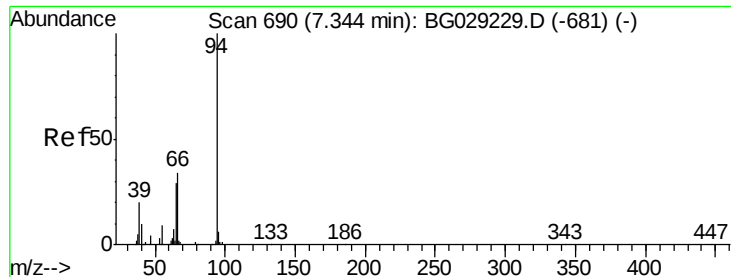
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.96 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

Instrument :

BNA_G

ClientSampleId :

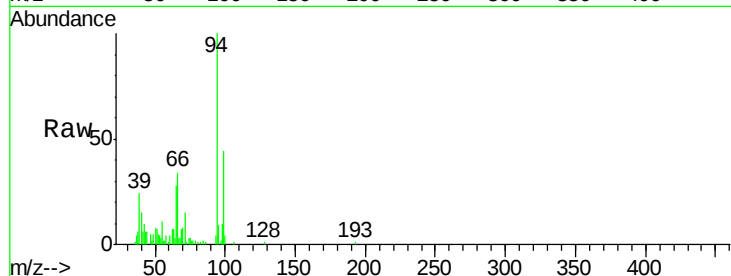
Tot Ion: 94 Resp: 30446

Ion Ratio Lower Upper

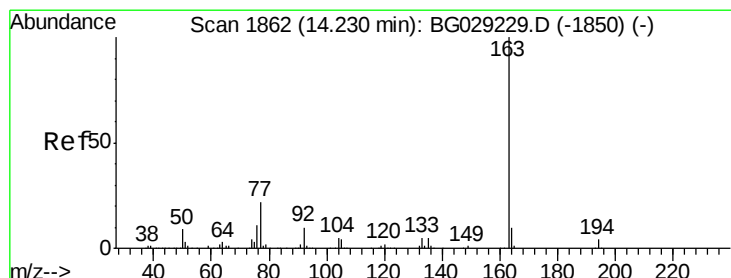
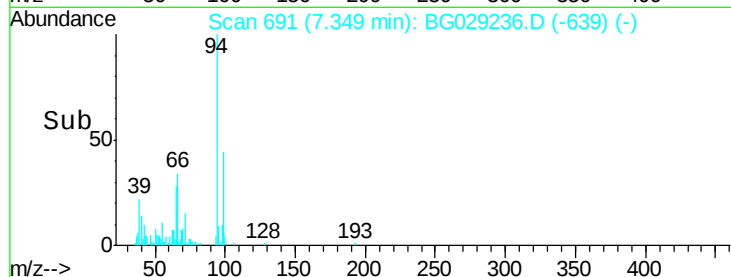
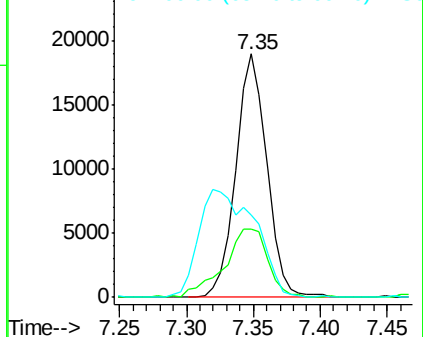
94 100

65 28.2 27.1 40.7

66 33.7 34.6 52.0#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 12.34 ng/ul

RT: 14.23 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

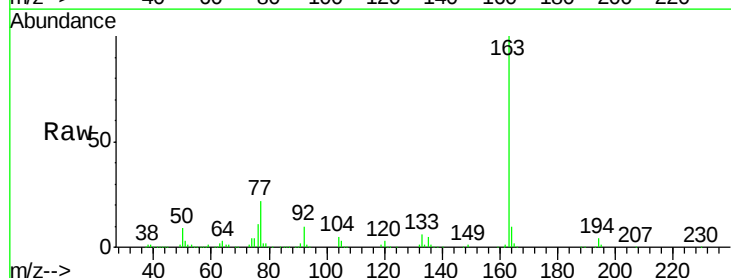
Tgt Ion:163 Resp: 291176

Ion Ratio Lower Upper

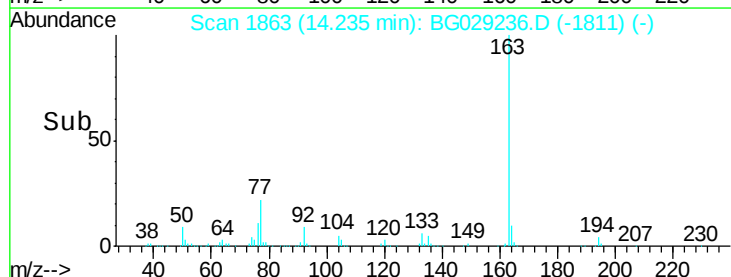
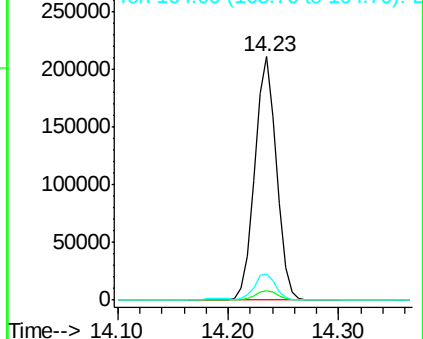
163 100

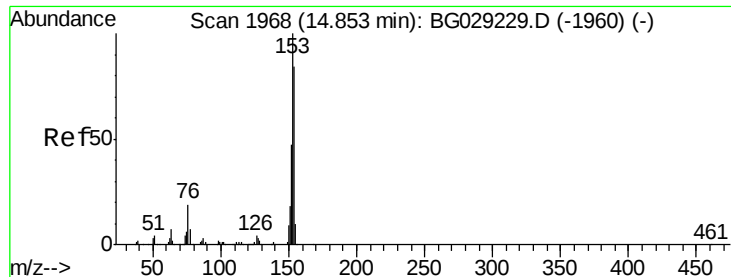
194 4.0 3.5 5.3

164 10.5 7.6 11.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.56 ng/ul

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

Instrument :

BNA_G

ClientSampleId :

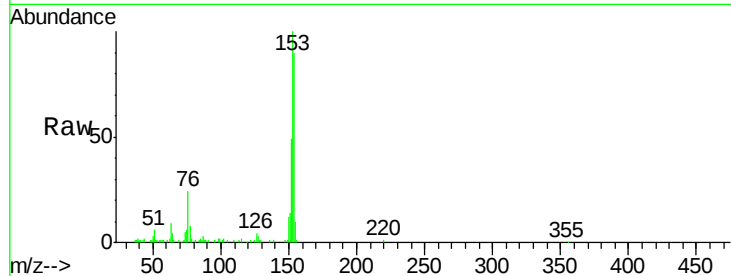
Tot Ion:153 Resp: 52644

Ion Ratio Lower Upper

153 100

152 49.1 38.2 57.2

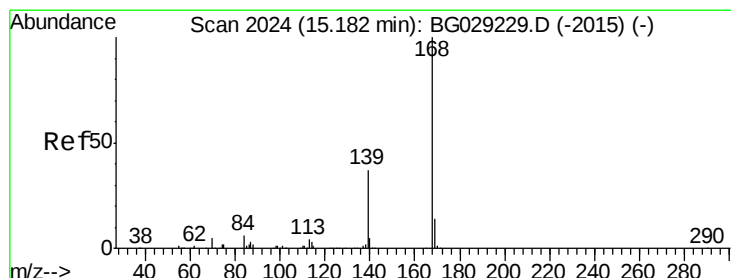
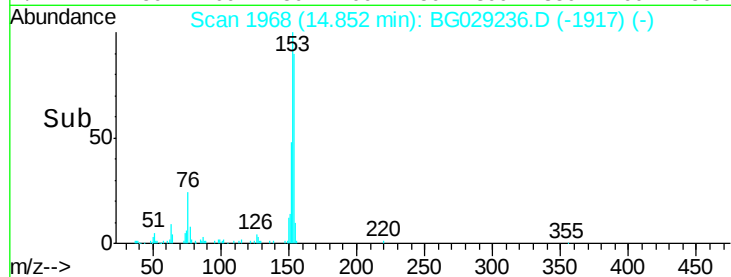
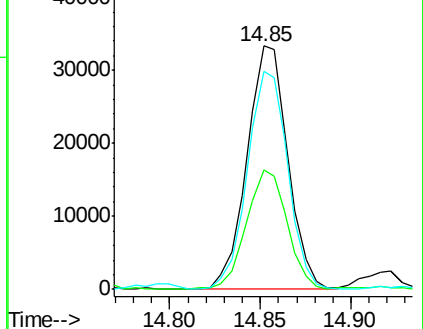
154 89.8 70.6 105.8



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



#53

Dibenzofuran

Concen: 1.33 ng/ul

RT: 15.19 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG029236.D

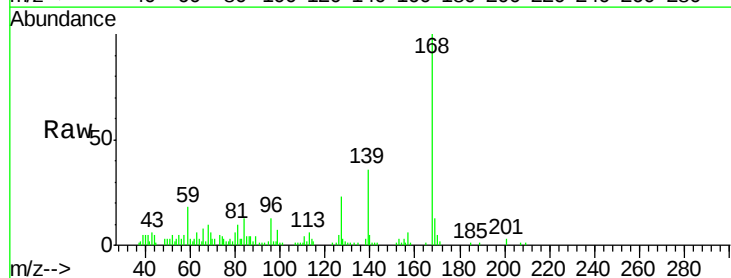
Acq: 14 Oct 2017 23:34

Tgt Ion:168 Resp: 37410

Ion Ratio Lower Upper

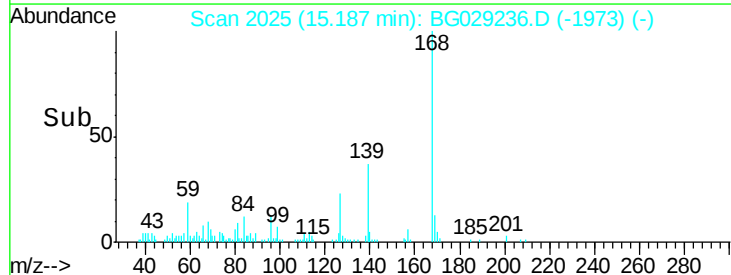
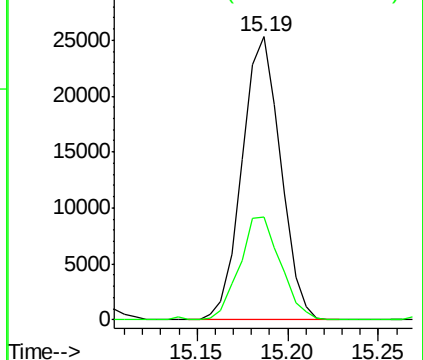
168 100

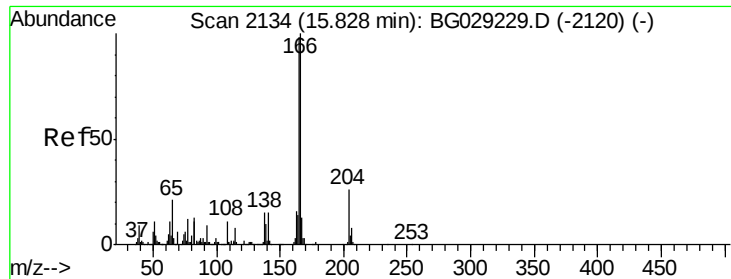
139 36.4 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.72 ng/ul

RT: 15.83 min Scan# 2135

Delta R.T. 0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

Instrument :

BNA_G

ClientSampled :

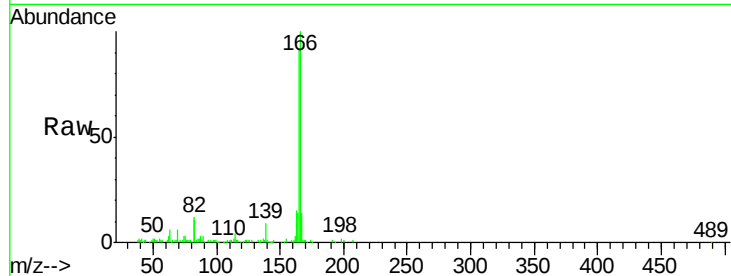
Tot Ion:166 Resp: 60824

Ion Ratio Lower Upper

166 100

165 92.0 79.9 119.9

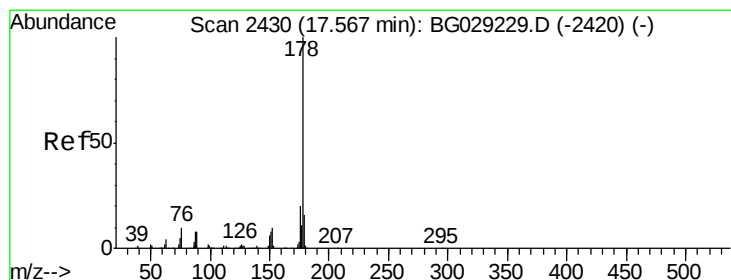
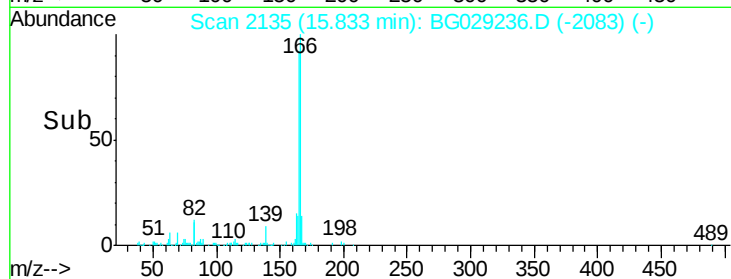
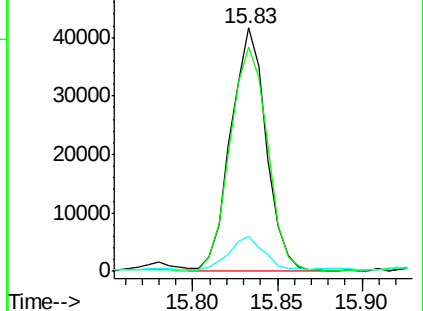
167 14.1 10.6 16.0



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: 27.66 ng/ul

RT: 17.57 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

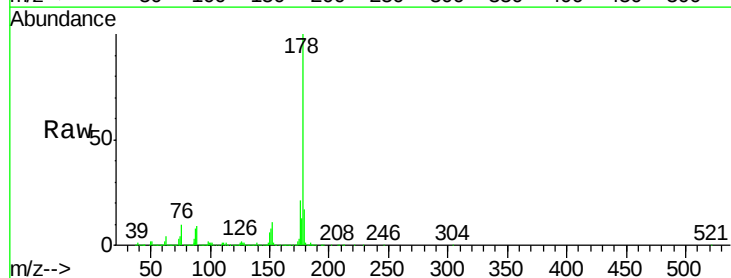
Tgt Ion:178 Resp: 899188

Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.6

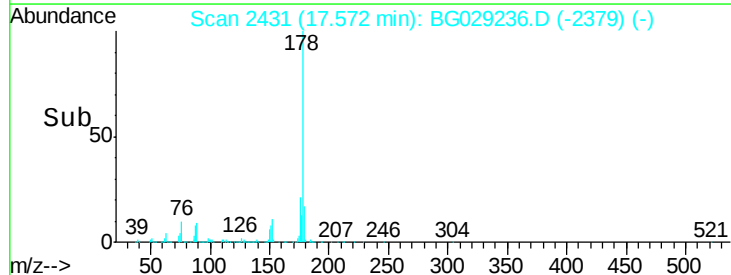
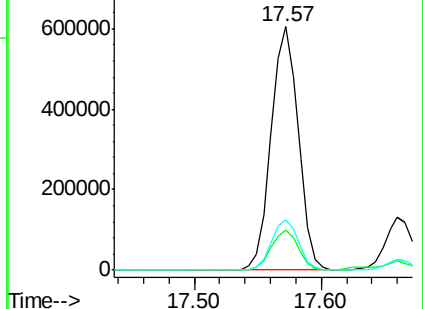
176 20.9 15.3 22.9

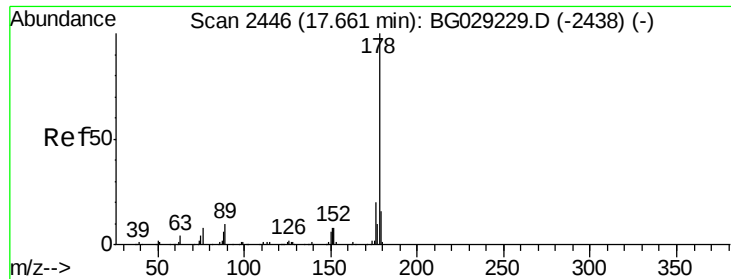


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

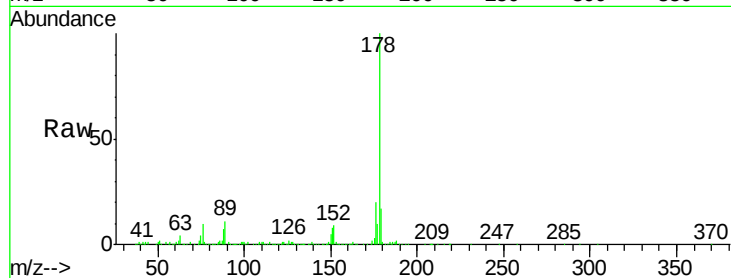




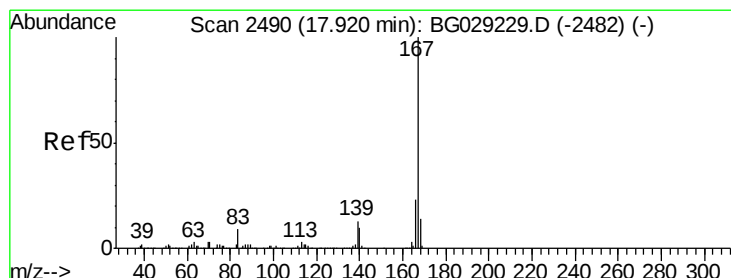
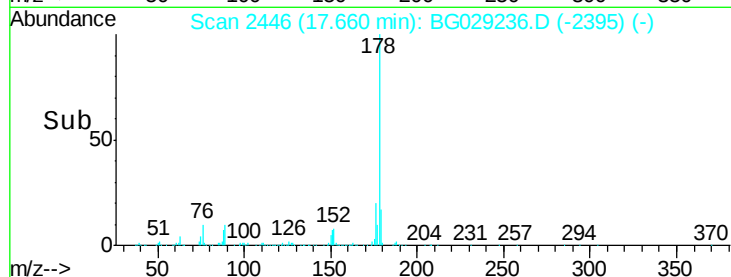
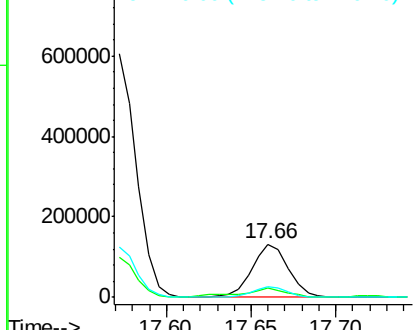
#71
 Anthracene
 Concen: 5.92 ng/ul
 RT: 17.66 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BG029236.D
 Acq: 14 Oct 2017 23:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	178	Resp	198543
Ion Ratio	100	Lower	Upper
179	16.5	13.2	19.8
176	20.2	16.0	24.0

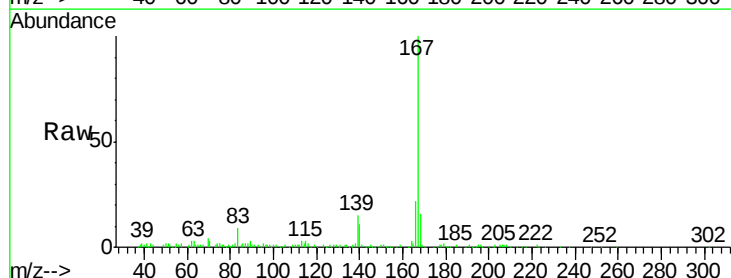


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

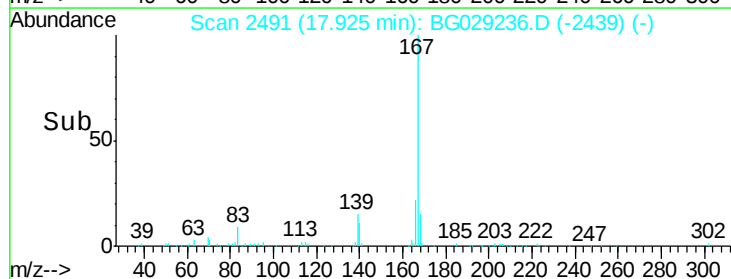
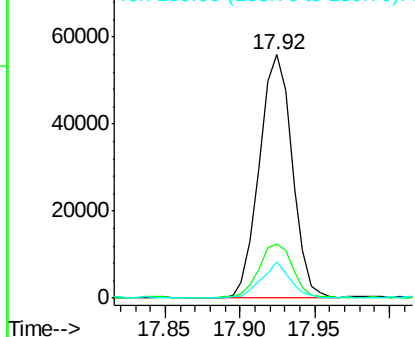


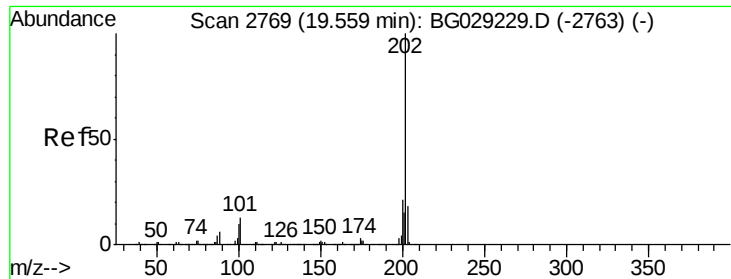
#72
 Carbazole
 Concen: 2.83 ng/ul
 RT: 17.92 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG029236.D
 Acq: 14 Oct 2017 23:34

Tgt Ion	167	Resp	85282
Ion Ratio	100	Lower	Upper
166	22.3	18.6	28.0
139	15.1	10.6	16.0



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

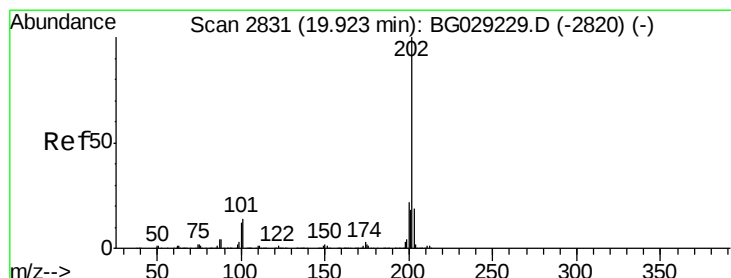
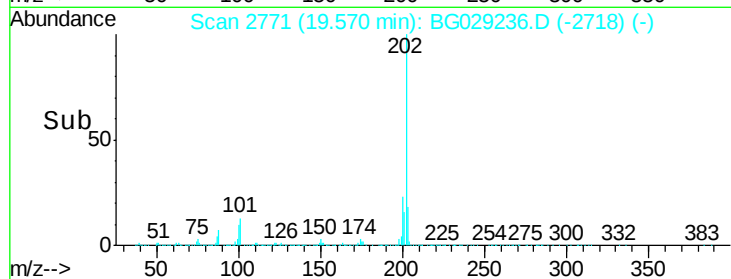
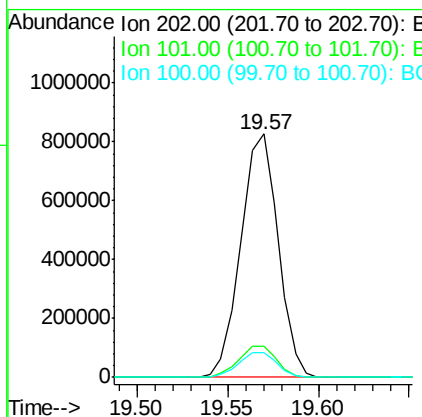
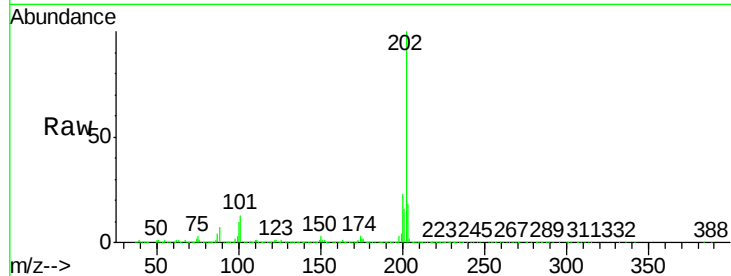




#74
Fluoranthene
Concen: 32.57 ng/ul
RT: 19.57 min Scan# 2771
Delta R.T. 0.01 min
Lab File: BG029236.D
Acq: 14 Oct 2017 23:34

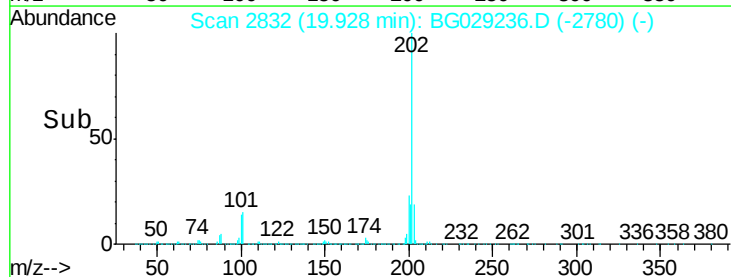
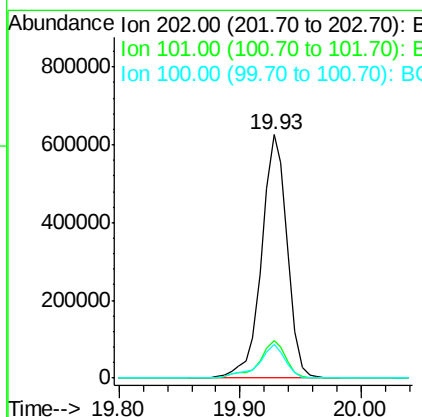
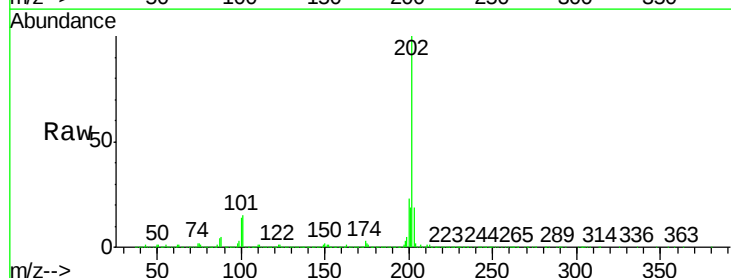
Instrument :
BNA_G
ClientSampleId :

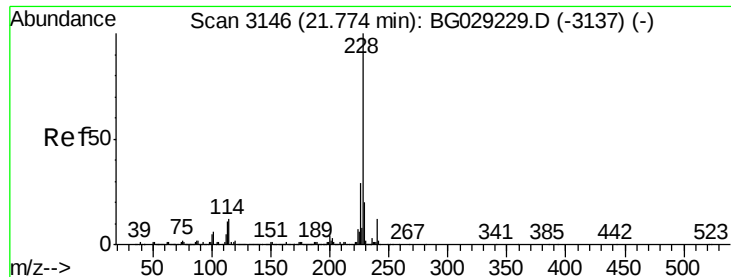
Tot Ion:202 Resp: 1183210
Ion Ratio Lower Upper
202 100
101 12.9 7.4 11.2#
100 10.3 5.6 8.4#



#77
Pyrene
Concen: 25.69 ng/ul
RT: 19.93 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG029236.D
Acq: 14 Oct 2017 23:34

Tgt Ion:202 Resp: 919720
Ion Ratio Lower Upper
202 100
101 15.5 8.4 12.6#
100 13.9 7.0 10.6#





#80

Benzo(a)anthracene

Concen: 13.73 ng/ul

RT: 21.78 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

Instrument :

BNA_G

ClientSampleId :

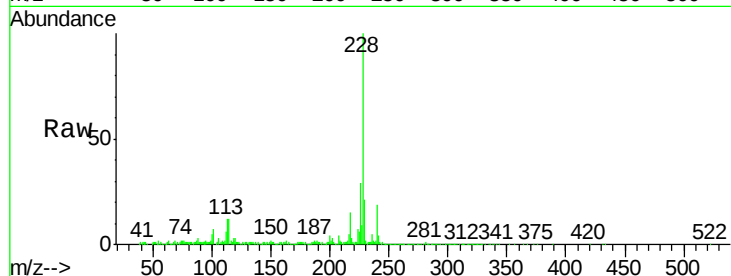
Tot Ion:228 Resp: 459534

Ion Ratio Lower Upper

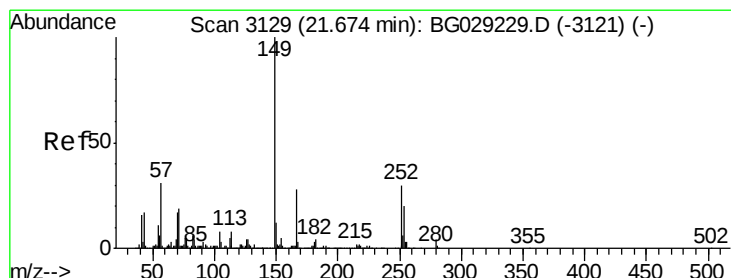
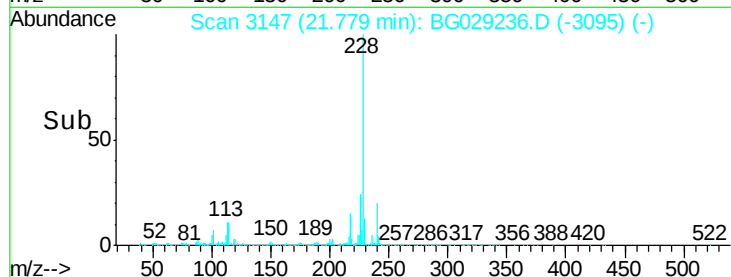
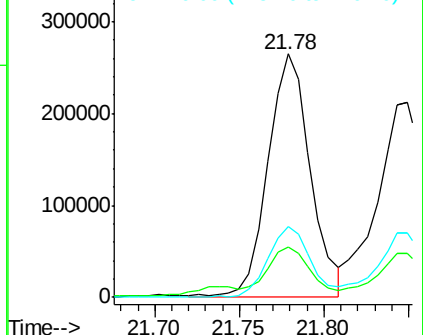
228 100

229 20.8 16.2 24.4

226 28.9 22.2 33.2



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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.52 ng/ul

RT: 21.67 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

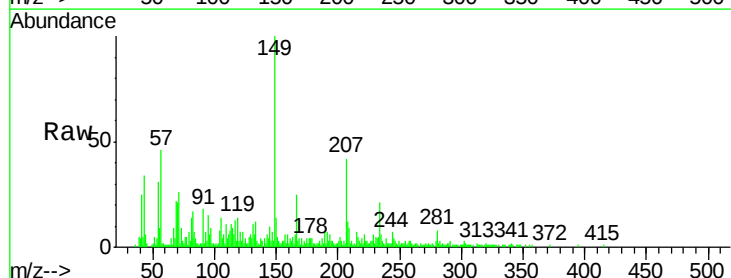
Tgt Ion:149 Resp: 31939

Ion Ratio Lower Upper

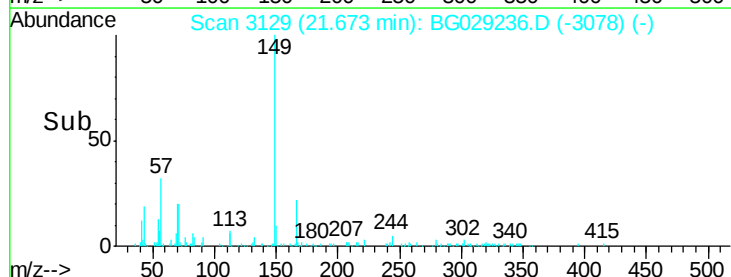
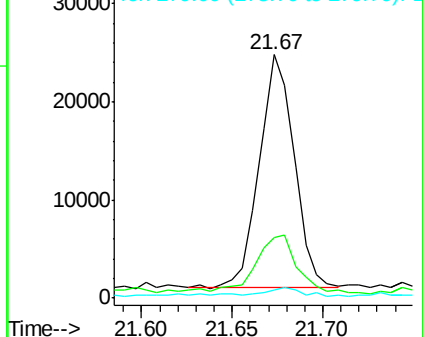
149 100

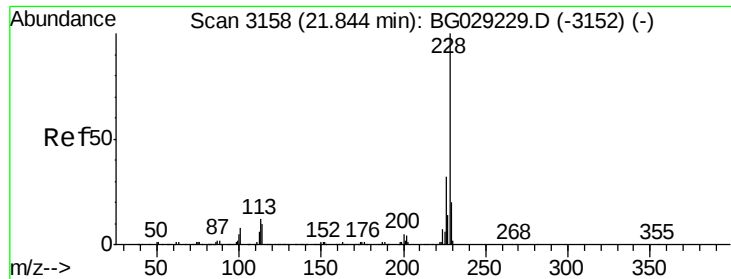
167 24.9 23.2 34.8

279 3.3 3.1 4.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

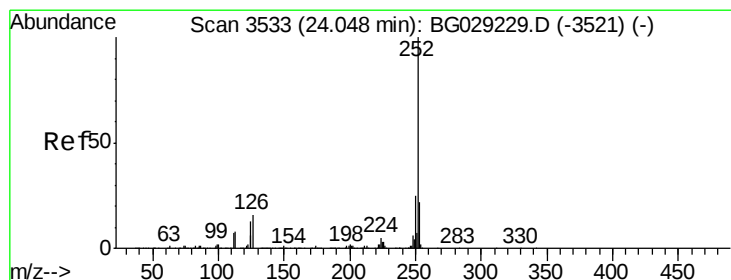
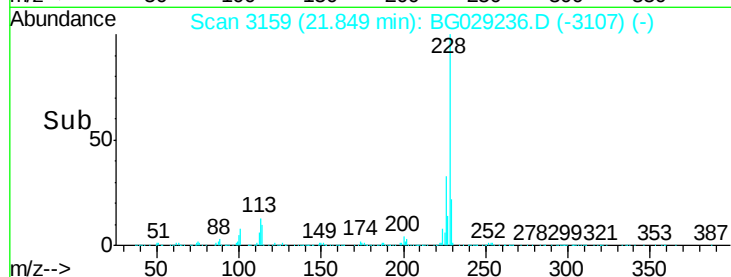
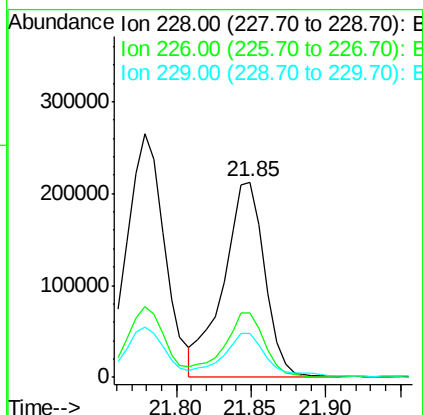
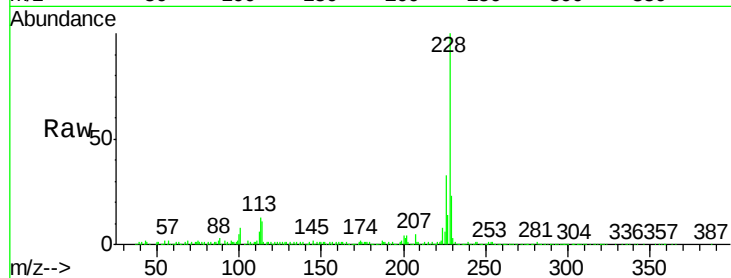




#82
Chrysene
Concen: 13.40 ng/ul
RT: 21.85 min Scan# 3159
Delta R.T. 0.00 min
Lab File: BG029236.D
Acq: 14 Oct 2017 23:34

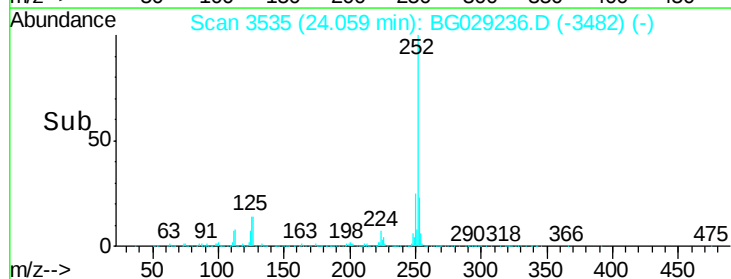
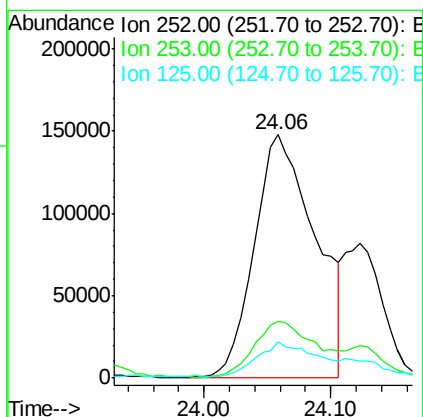
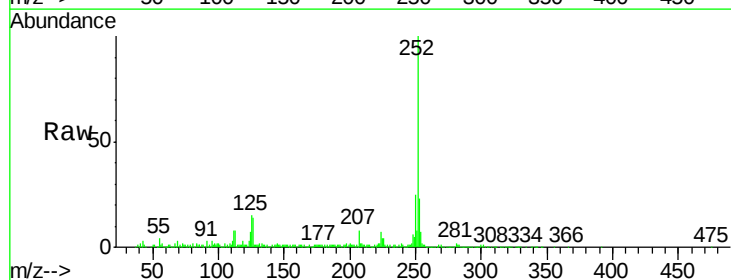
Instrument :
BNA_G
ClientSampleId :

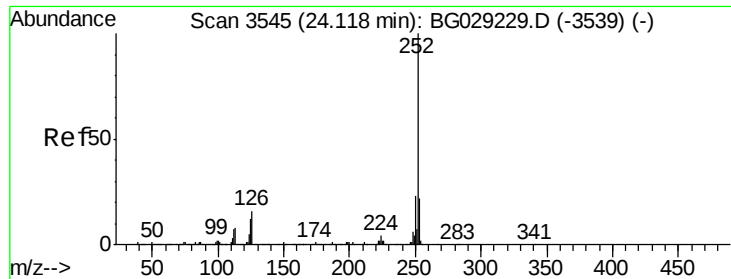
Tot Ion:228 Resp: 407468
Ion Ratio Lower Upper
228 100
226 33.2 24.2 36.2
229 22.6 15.2 22.8



#85
Benzo(b)fluoranthene
Concen: 15.56 ng/ul
RT: 24.06 min Scan# 3535
Delta R.T. 0.01 min
Lab File: BG029236.D
Acq: 14 Oct 2017 23:34

Tgt Ion:252 Resp: 492831
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 14.8 7.5 11.3#





#86

Benzo(k)fluoranthene

Concen: 16.10 ng/ul

RT: 24.06 min Scan# 3535

Delta R.T. -0.06 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

Instrument :

BNA_G

ClientSampleId :

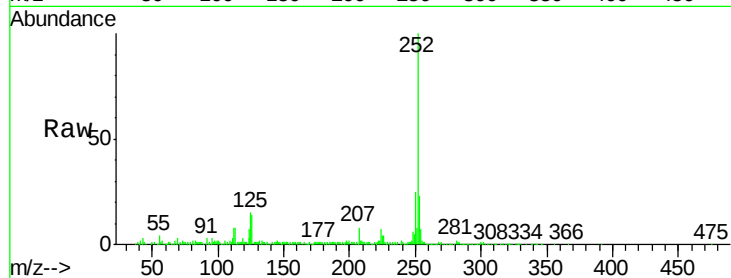
Tot Ion:252 Resp: 492831

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

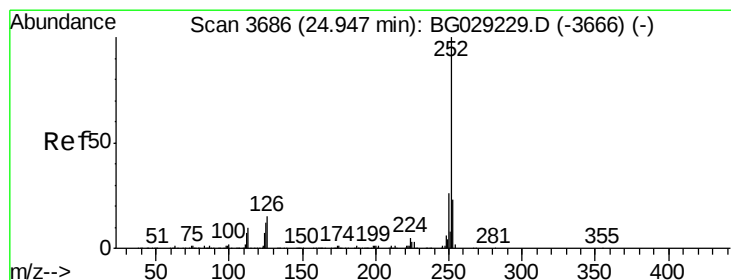
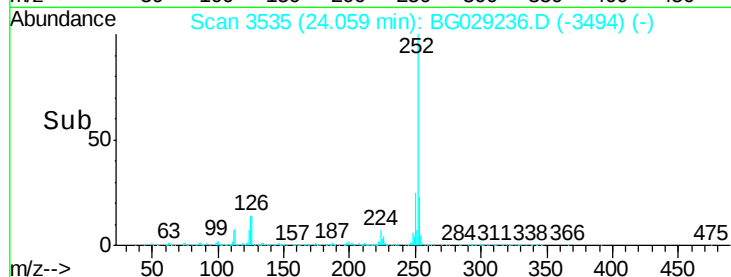
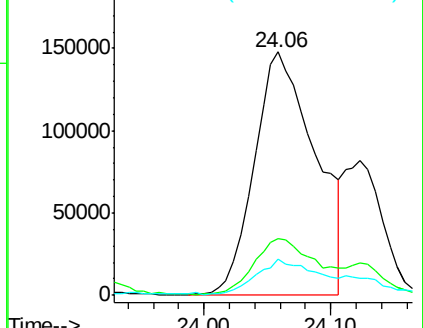
125 14.8 7.8 11.8#



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: 10.90 ng/ul

RT: 24.96 min Scan# 3688

Delta R.T. 0.01 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

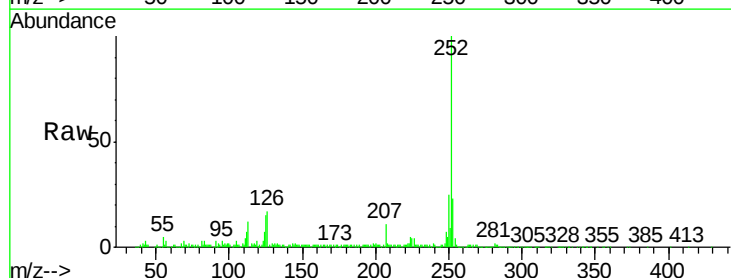
Tgt Ion:252 Resp: 336049

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

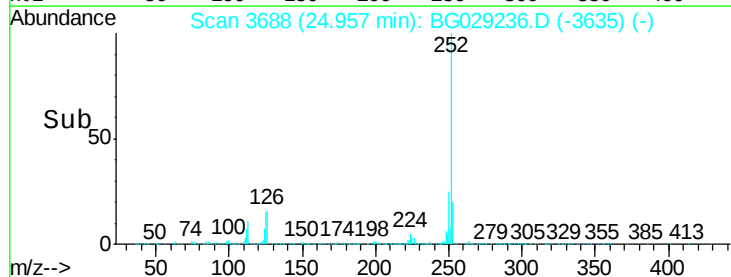
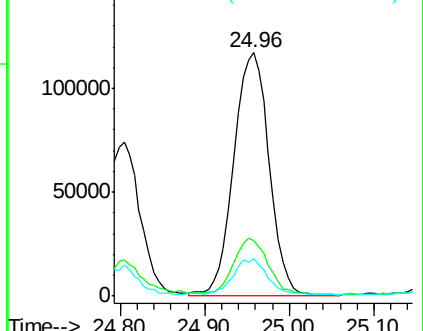
125 15.4 7.8 11.8#

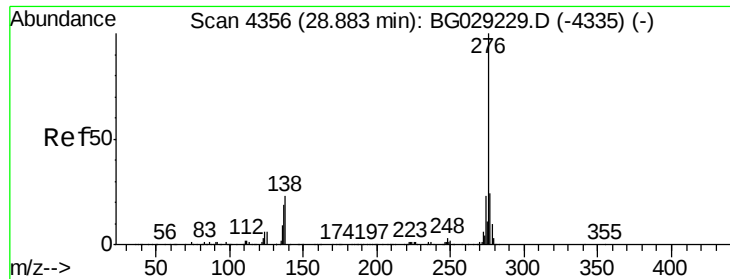


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

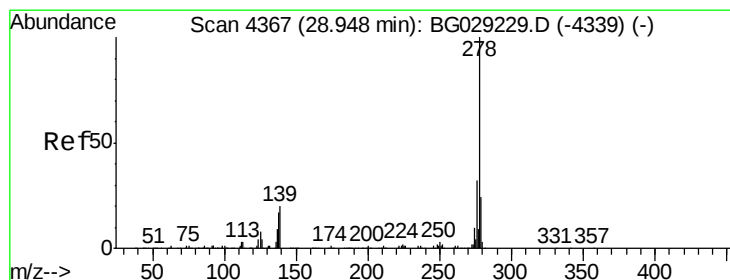
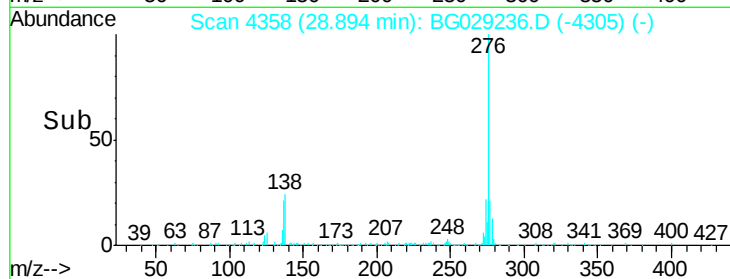
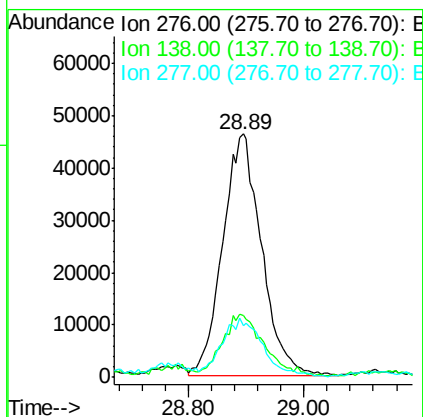
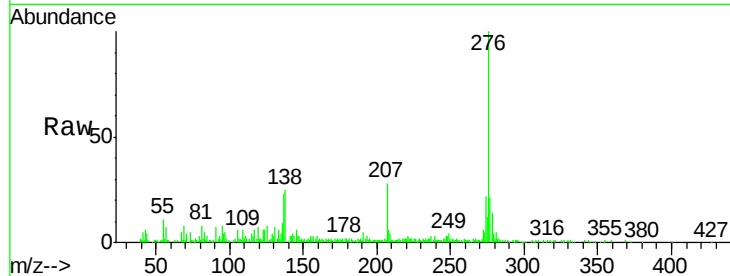




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 6.14 ng/ul
 RT: 28.89 min Scan# 4358
 Delta R.T. 0.01 min
 Lab File: BG029236.D
 Acq: 14 Oct 2017 23:34

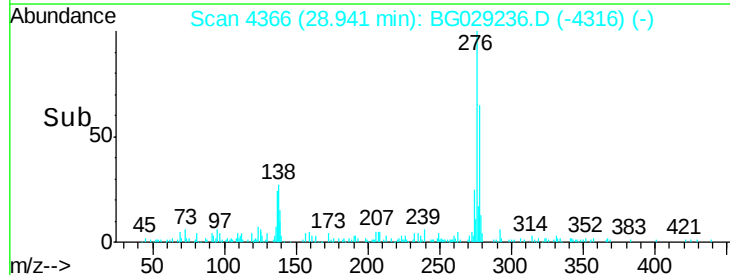
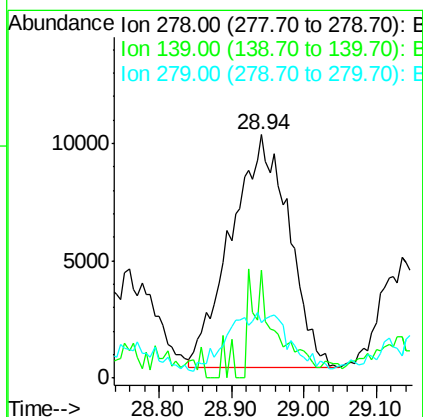
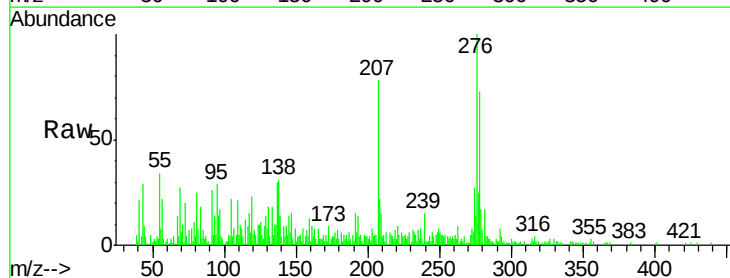
Instrument :
 BNA_G
 ClientSampleId :

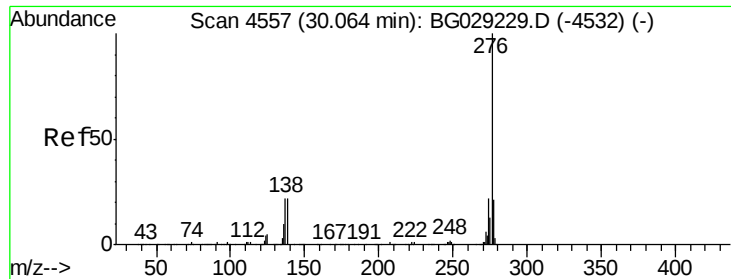
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	13.4	20.0#
277	21.1	18.6	28.0



#90
 Dibenzo(a,h)anthracene
 Concen: 1.89 ng/ul
 RT: 28.94 min Scan# 4366
 Delta R.T. -0.01 min
 Lab File: BG029236.D
 Acq: 14 Oct 2017 23:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.3	9.4	14.2#
279	22.9	18.4	27.6





#91

Benzo(a,h,i)perylene

Concen: 5.48 ng/ul

RT: 30.07 min Scan# 4559

Delta R.T. 0.01 min

Lab File: BG029236.D

Acq: 14 Oct 2017 23:34

Instrument :

BNA_G

ClientSampleId :

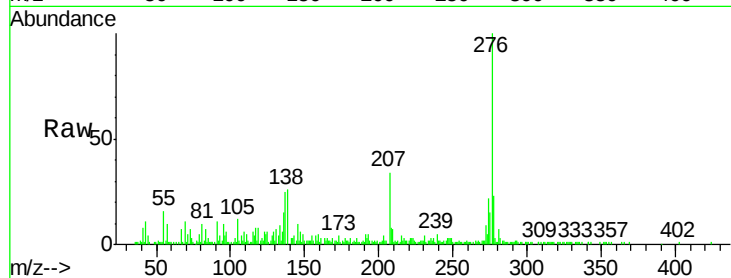
Tot Ion:276 Resp: 158453

Ion Ratio Lower Upper

276 100

138 26.4 12.1 18.1#

277 22.7 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

