

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029235.D
 Acq On : 14 Oct 2017 22:53
 Operator : SJ/JU
 Sample : I5548-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AE7

Quant Time: Oct 15 03:21:22 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	8.17	152	112968	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	515813	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	305469	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	638349	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	558116	20.00	ng/ul	0.00
83) Perylene-d12	25.11	264	557115	20.00	ng/ul	0.00

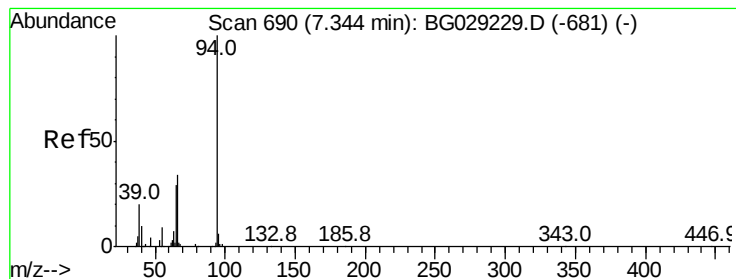
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	11312	4.07	ng/uL	0.00
5) Phenol-d5	7.32	99	224184	20.68	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	147254	21.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	168950	22.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	148935	17.01	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	89571	24.19	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	95132	25.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	181162	20.95	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	176489	17.57	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	571023	21.87	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	720668	22.69	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	75821	15.73	ng/ul	0.00
57) Fluorene-d10	15.78	176	496988	23.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	52822	16.95	ng/ul	0.00
70) Anthracene-d10	17.63	188	679975	22.52	ng/ul	0.00
76) Pyrene-d10	19.90	212	680907	23.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.89	264	582719	22.08	ng/ul	0.01

Target Compounds

				Ovalue	
6) Phenol	7.35	94	16678	1.487	ng/ul# 85
28) Naphthalene	11.04	128	85718	3.141	ng/ul 98
34) 2-Methylnaphthalene	12.63	142	31294	1.385	ng/ul 88
44) Dimethylphthalate	14.23	163	226347	8.886	ng/ul# 97
49) Acenaphthene	14.85	153	134931	6.087	ng/ul 96
53) Dibenzofuran	15.19	168	103339	3.410	ng/ul 92
58) Fluorene	15.83	166	129122	5.341	ng/ul 97
69) Phenanthrene	17.57	178	1001349	29.017	ng/ul 98
71) Anthracene	17.66	178	277241	7.787	ng/ul 99
72) Carbazole	17.93	167	145927	4.560	ng/ul 99
74) Fluoranthene	19.57	202	1141331	29.594	ng/ul# 88
77) Pyrene	19.93	202	873713	23.358	ng/ul# 90
80) Benzo(a)anthracene	21.78	228	545454	15.595	ng/ul 98
82) Chrysene	21.85	228	461332	14.516	ng/ul 96
85) Benzo(b)fluoranthene	24.06	252	570230	17.050	ng/ul# 93
86) Benzo(k)fluoranthene	24.12	252	184157	5.695	ng/ul# 92
88) Benzo(a)pyrene	24.96	252	374417	11.501	ng/ul# 93
89) Indeno(1,2,3-cd)pyrene	28.89	276	243744	6.618	ng/ul# 92
90) Dibenzo(a,h)anthracene	28.95	278	69743	2.279	ng/ul# 90
91) Benzo(g,h,i)perylene	30.09	276	174658	5.721	ng/ul# 89

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



#6

Phenol

Concen: 1.487 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

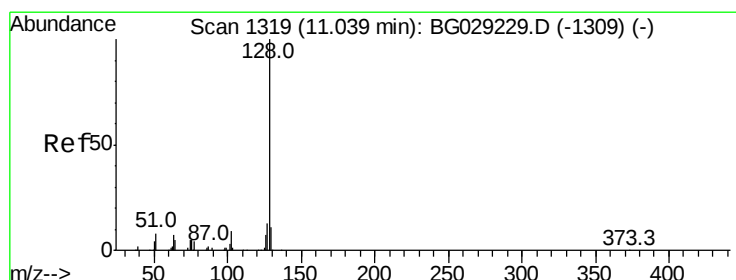
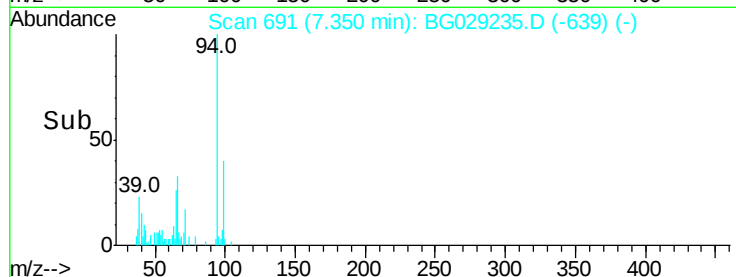
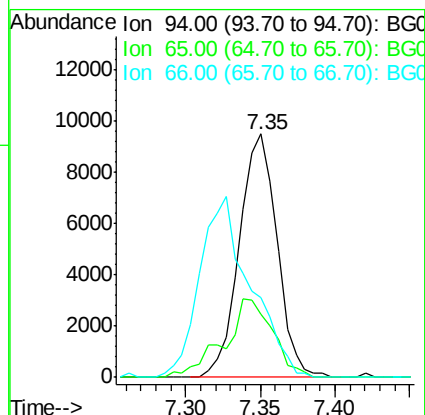
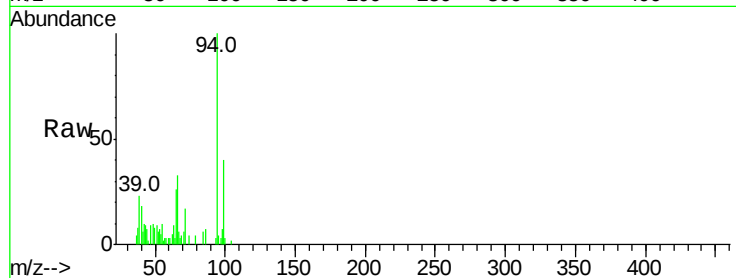
Tot Ion: 94 Resp: 16678

Ion Ratio Lower Upper

94 100

65 25.9 27.1 40.7#

66 32.8 34.6 52.0#



#28

Naphthalene

Concen: 3.141 ng/ul

RT: 11.04 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

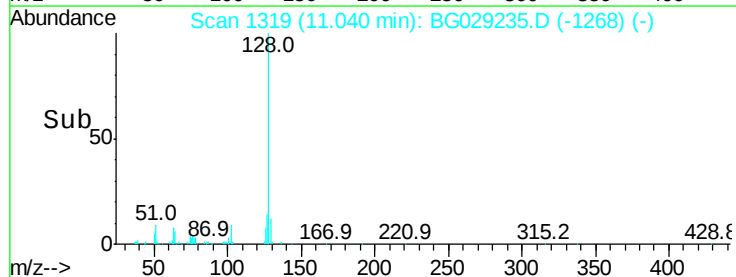
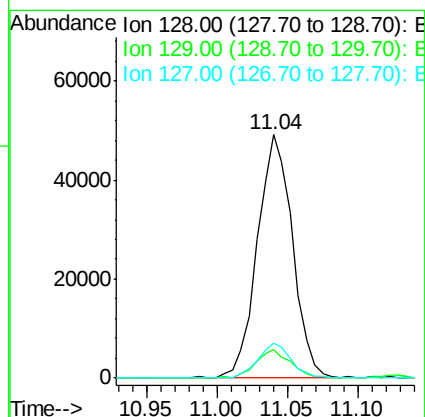
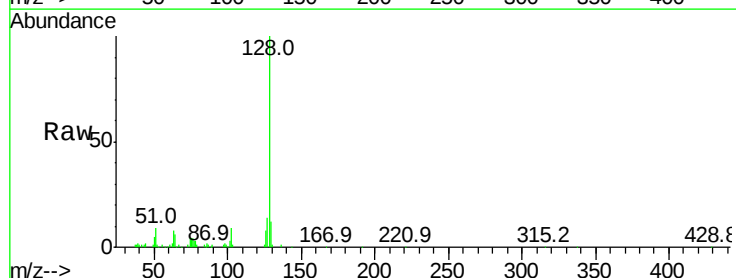
Tgt Ion: 128 Resp: 85718

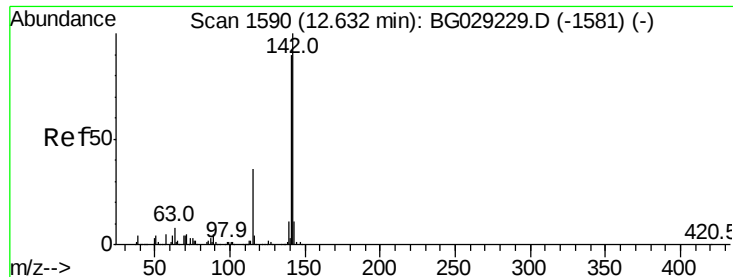
Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

127 14.4 10.7 16.1





#34

2-Methylnaphthalene

Concen: 1.385 ng/ul

RT: 12.63 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

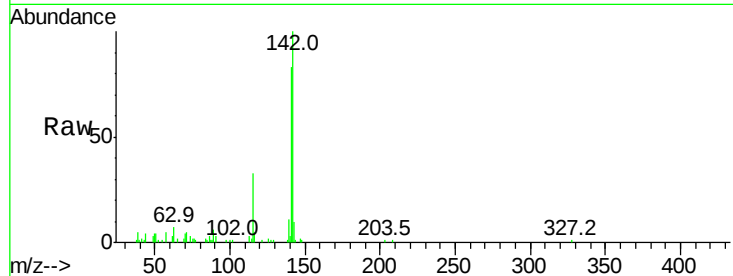
C0AE7

Tot Ion:142 Resp: 31294

Ion Ratio Lower Upper

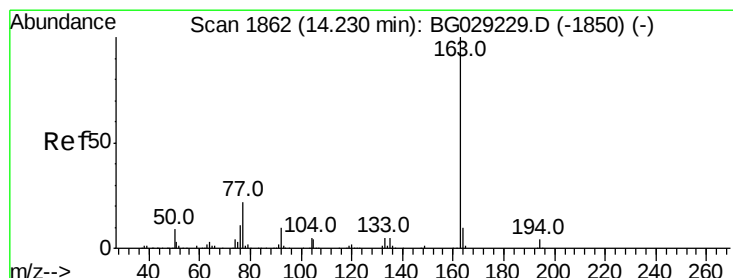
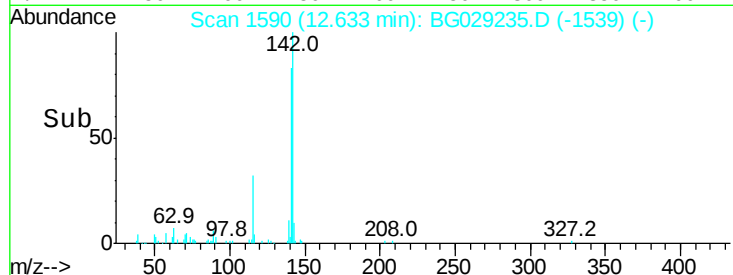
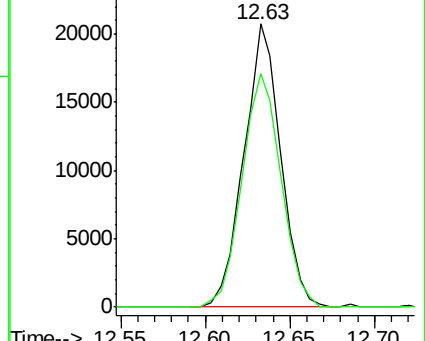
142 100

141 82.6 75.4 113.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 8.886 ng/ul

RT: 14.23 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

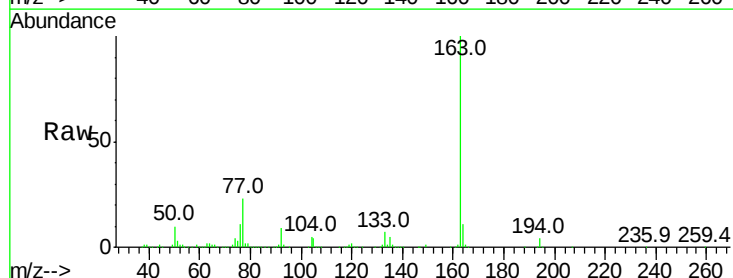
Tgt Ion:163 Resp: 226347

Ion Ratio Lower Upper

163 100

194 3.5 3.5 5.3#

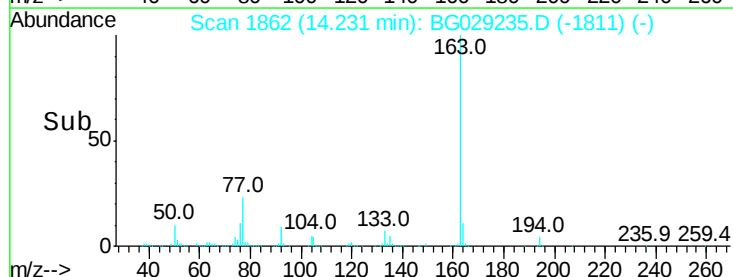
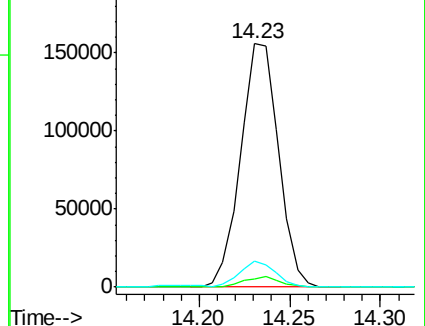
164 10.7 7.6 11.4

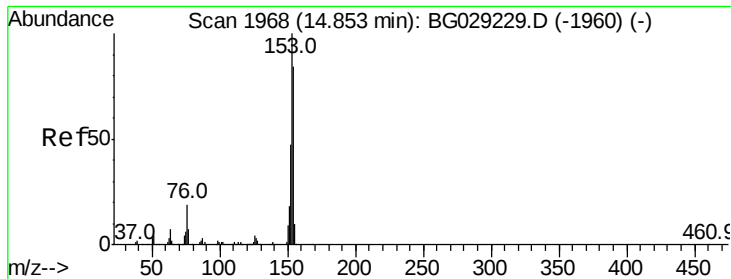


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 6.087 ng/ul

RT: 14.85 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

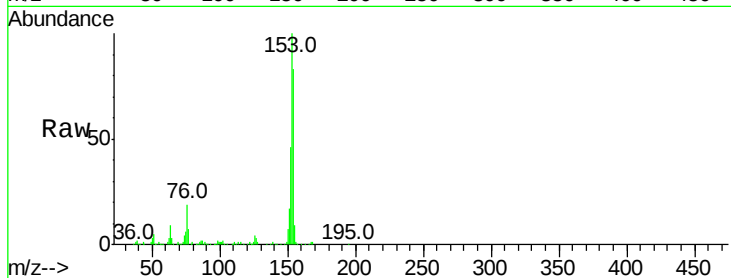
Tot Ion:153 Resp: 134931

Ion Ratio Lower Upper

153 100

152 45.8 38.2 57.2

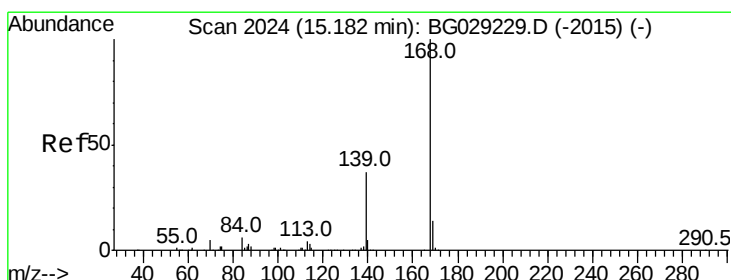
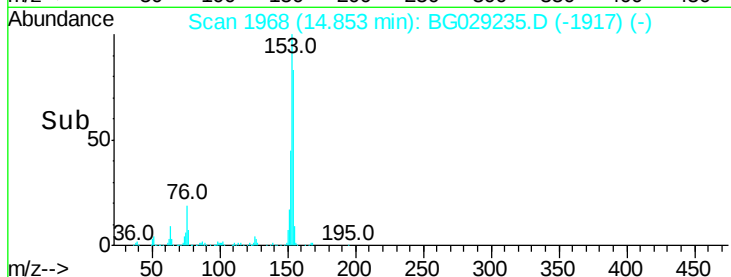
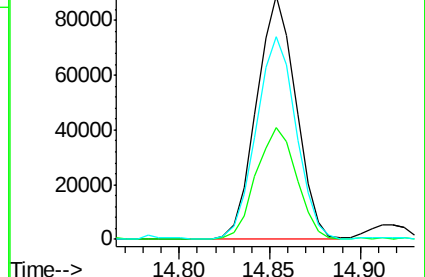
154 83.4 70.6 105.8



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: 3.410 ng/ul

RT: 15.19 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BG029235.D

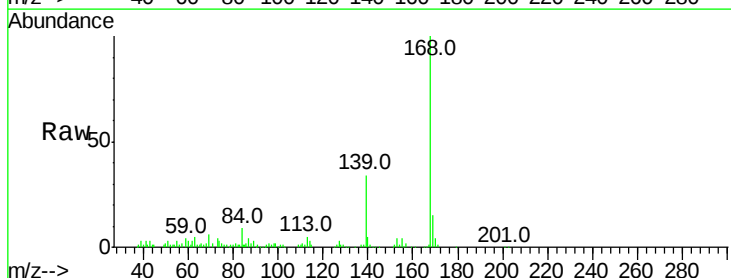
Acq: 14 Oct 2017 22:53

Tgt Ion:168 Resp: 103339

Ion Ratio Lower Upper

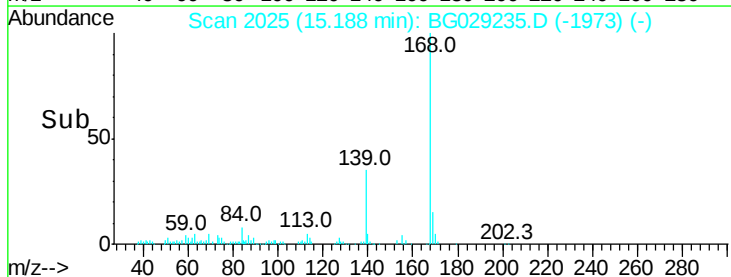
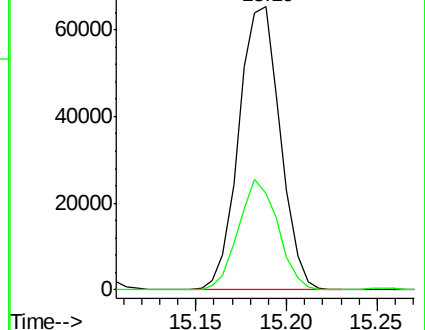
168 100

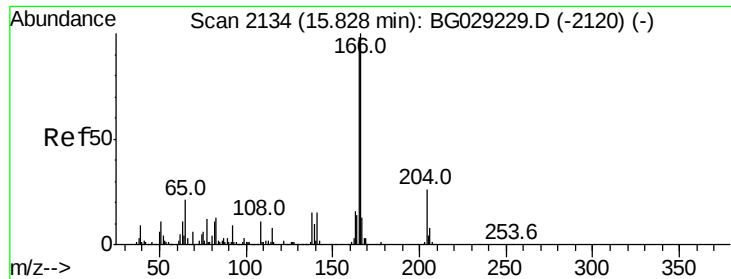
139 34.3 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.341 ng/ul

RT: 15.83 min Scan# 2135

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

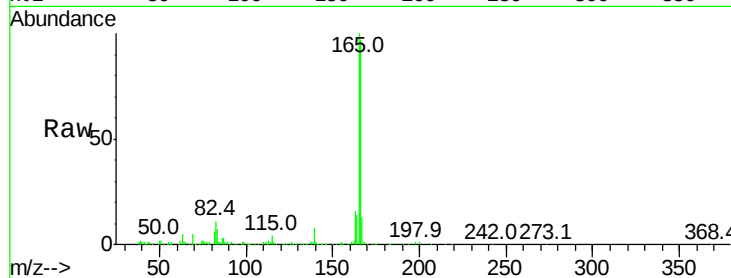
Tot Ion:166 Resp: 129122

Ion Ratio Lower Upper

166 100

165 102.9 79.9 119.9

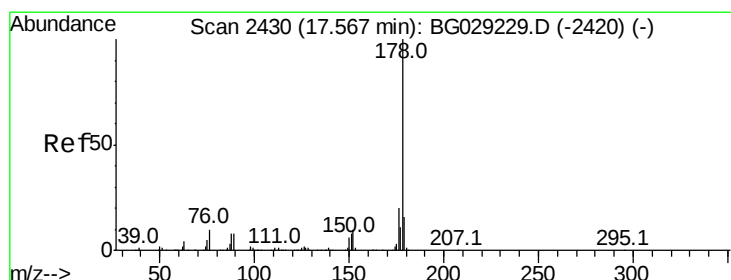
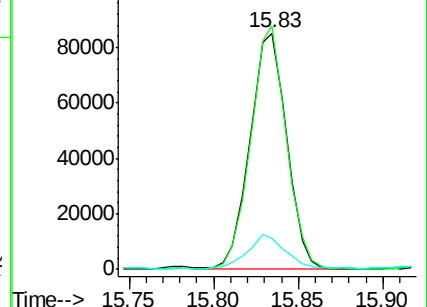
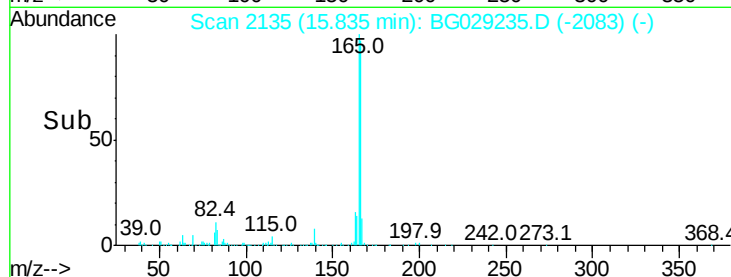
167 13.1 10.6 16.0



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: 29.017 ng/ul

RT: 17.57 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

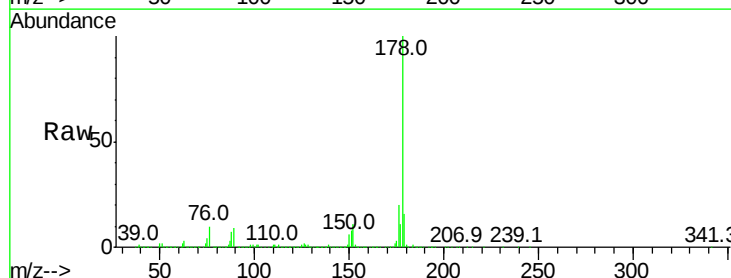
Tgt Ion:178 Resp: 1001349

Ion Ratio Lower Upper

178 100

179 15.5 13.0 19.6

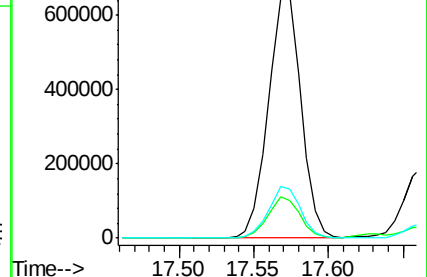
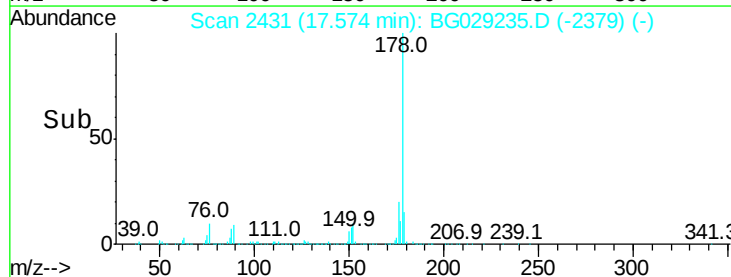
176 20.4 15.3 22.9

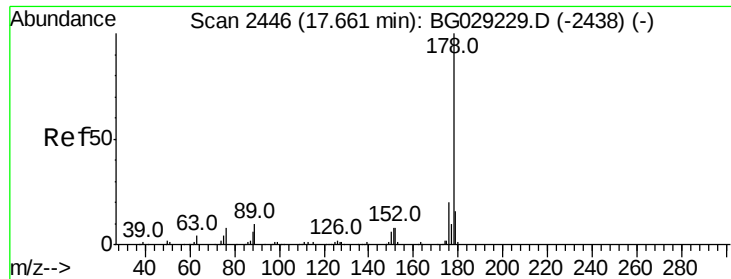


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

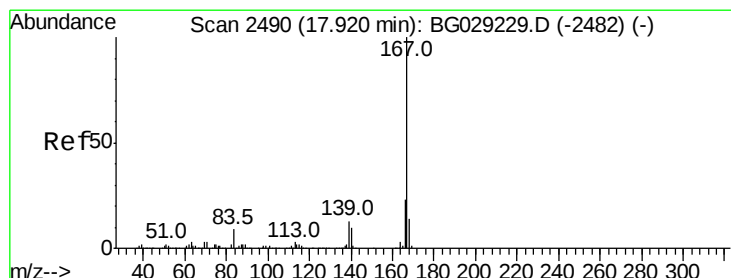
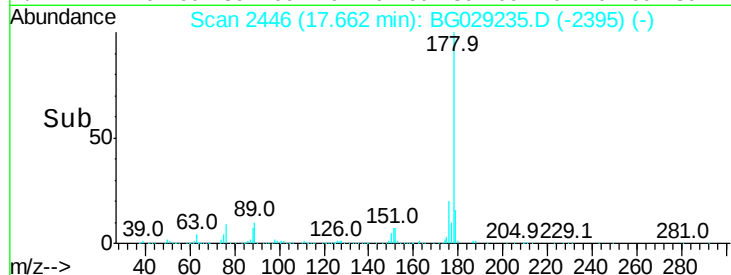
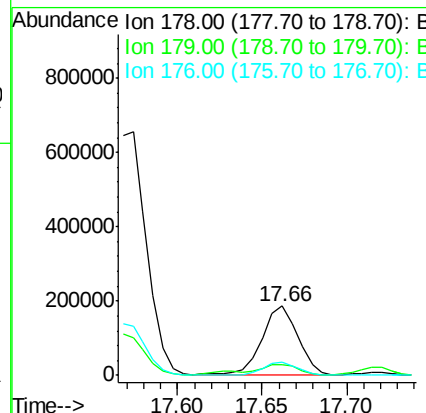
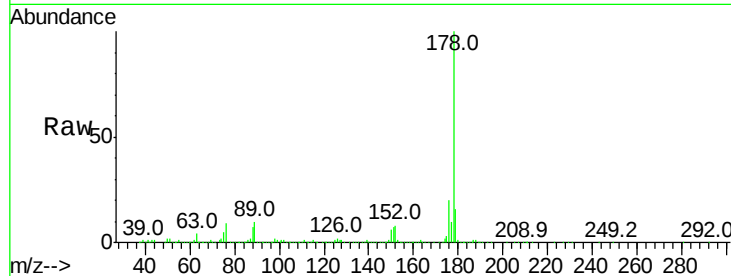




#71
 Anthracene
 Concen: 7.787 ng/ul
 RT: 17.66 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG029235.D
 Acq: 14 Oct 2017 22:53

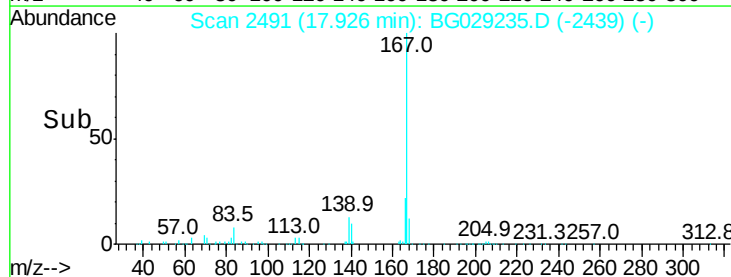
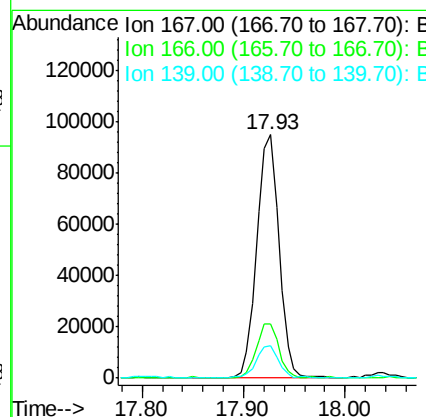
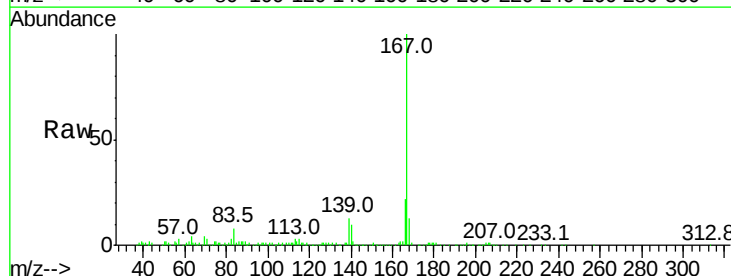
Instrument :
 BNA_G
 ClientSampleId :
 C0AE7

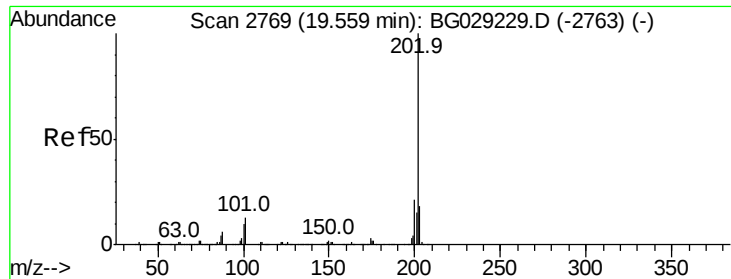
Tot Ion:178 Resp: 277241
 Ion Ratio Lower Upper
 178 100
 179 16.1 13.2 19.8
 176 19.7 16.0 24.0



#72
 Carbazole
 Concen: 4.560 ng/ul
 RT: 17.93 min Scan# 2491
 Delta R.T. 0.01 min
 Lab File: BG029235.D
 Acq: 14 Oct 2017 22:53

Tgt Ion:167 Resp: 145927
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.6 28.0
 139 13.2 10.6 16.0





#74

Fluoranthene

Concen: 29.594 ng/ul

RT: 19.57 min Scan# 2770

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

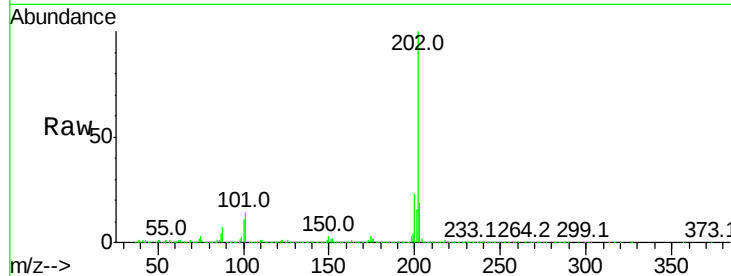
Tot Ion:202 Resp: 1141331

Ion Ratio Lower Upper

202 100

101 13.5 7.4 11.2#

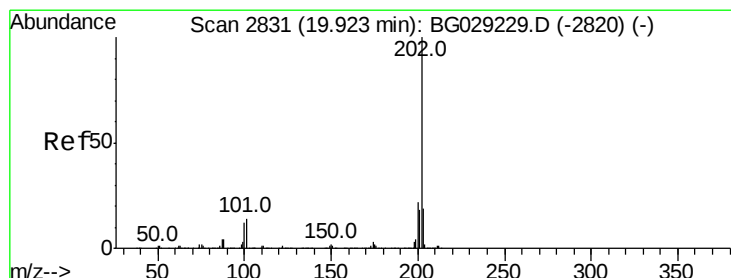
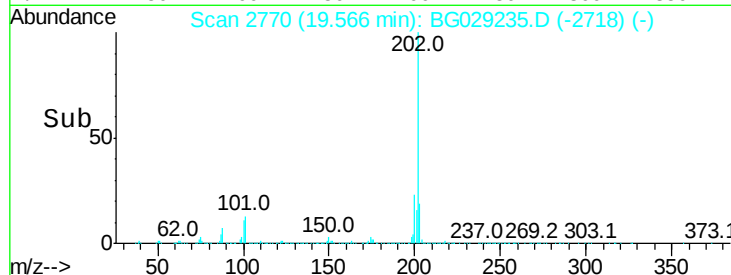
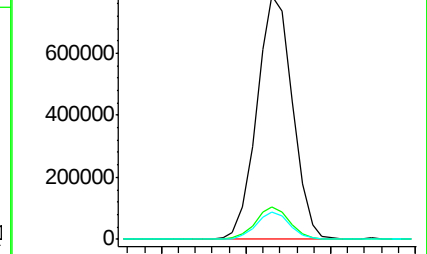
100 11.2 5.6 8.4#



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: 23.358 ng/ul

RT: 19.93 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

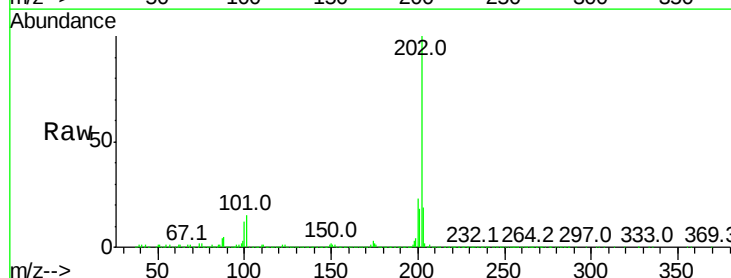
Tgt Ion:202 Resp: 873713

Ion Ratio Lower Upper

202 100

101 14.7 8.4 12.6#

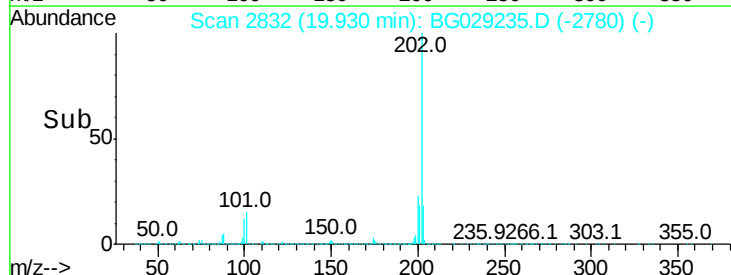
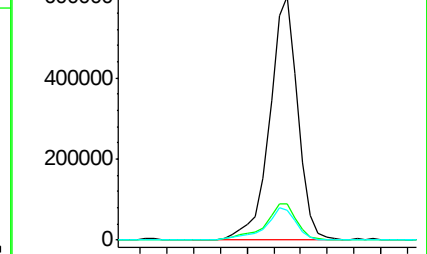
100 12.1 7.0 10.6#

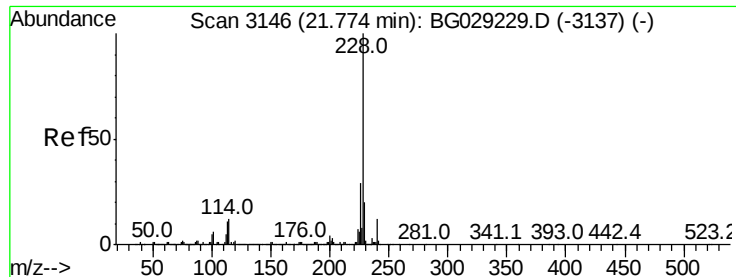


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 15.595 ng/ul

RT: 21.78 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

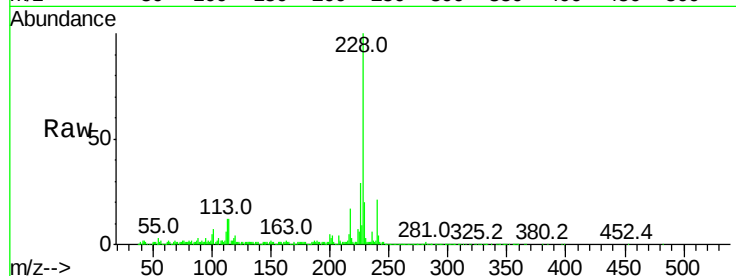
Tot Ion:228 Resp: 545454

Ion Ratio Lower Upper

228 100

229 20.4 16.2 24.4

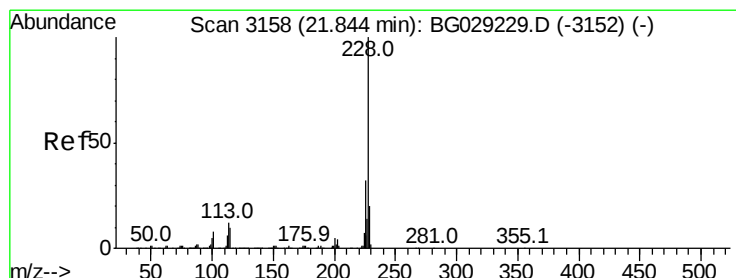
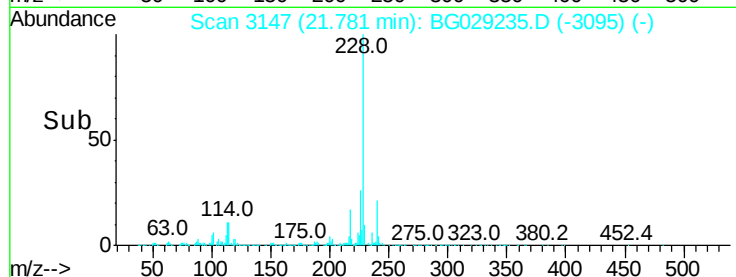
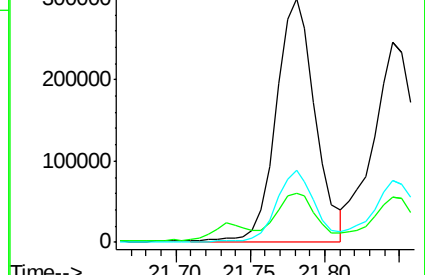
226 29.4 22.2 33.2



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



#82

Chrysene

Concen: 14.516 ng/ul

RT: 21.85 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

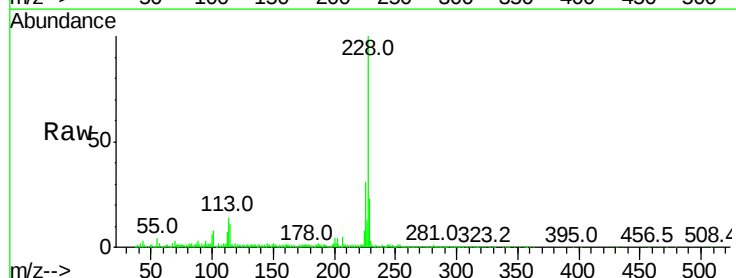
Tgt Ion:228 Resp: 461332

Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.2

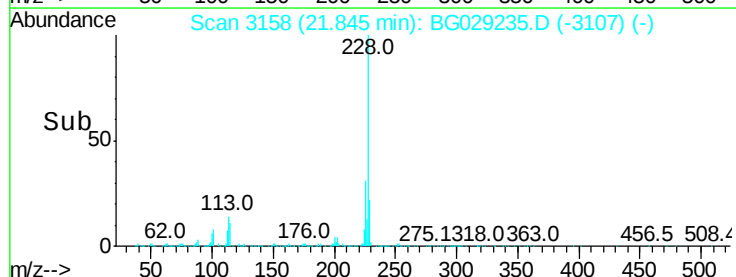
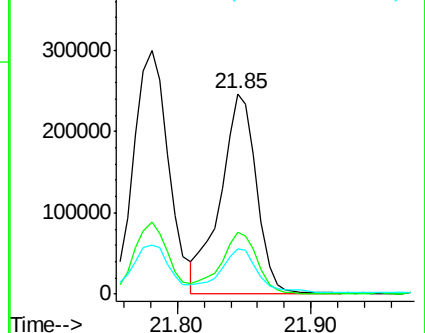
229 22.6 15.2 22.8

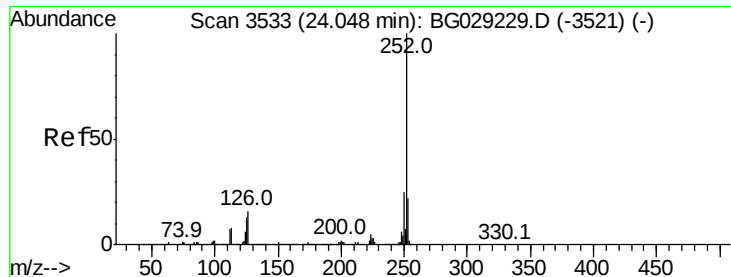


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 17.050 ng/ul

RT: 24.06 min Scan# 3535

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

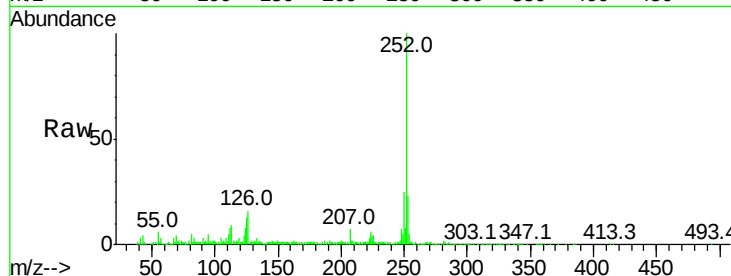
Tot Ion:252 Resp: 570230

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.4

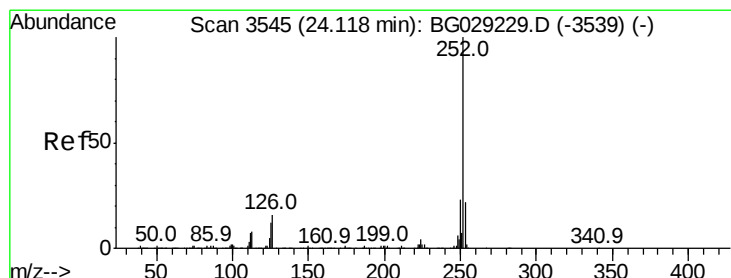
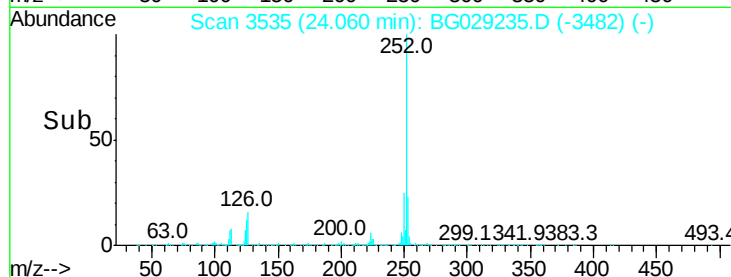
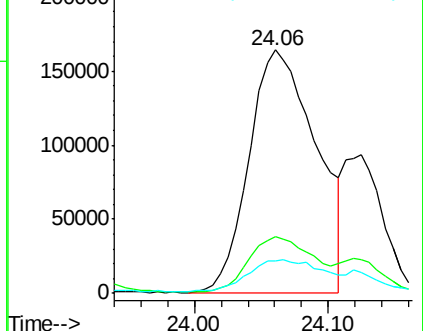
125 13.4 7.5 11.3#



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: 5.695 ng/ul

RT: 24.12 min Scan# 3546

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

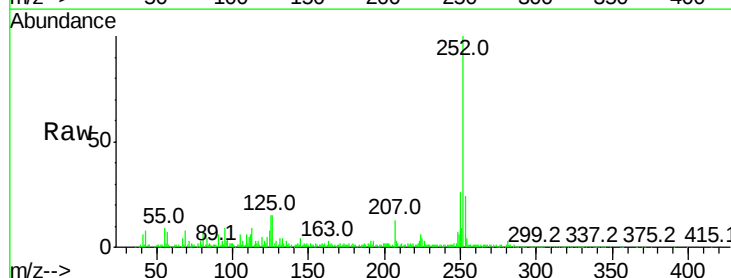
Tgt Ion:252 Resp: 184157

Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

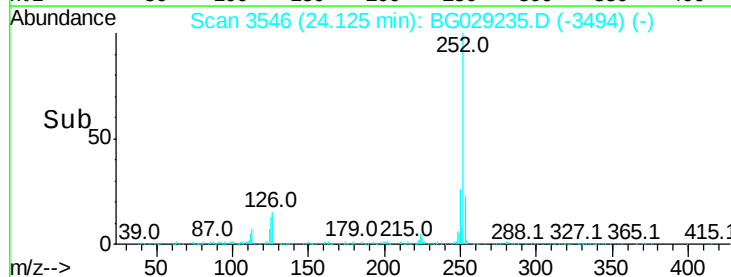
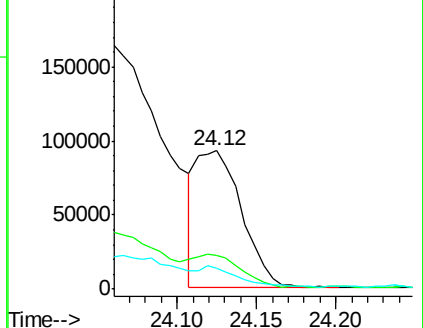
125 15.2 7.8 11.8#

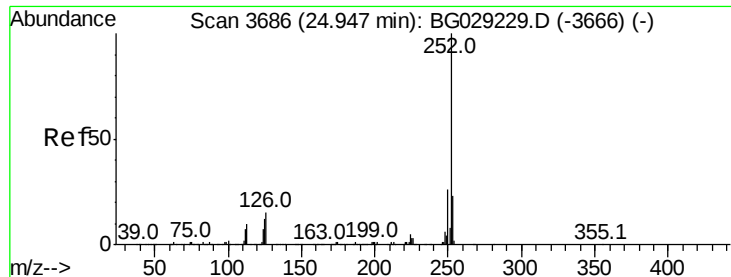


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.501 ng/ul

RT: 24.96 min Scan# 3688

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

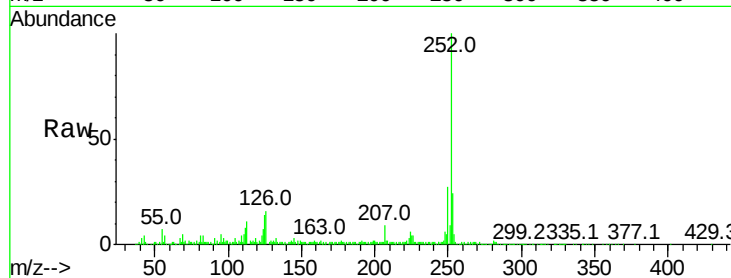
Tot Ion:252 Resp: 374417

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

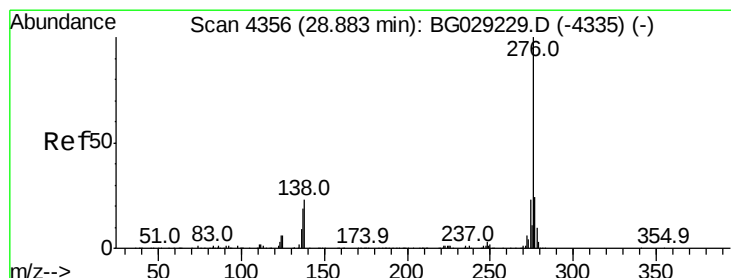
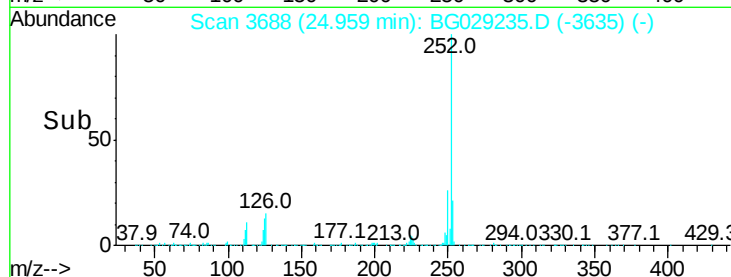
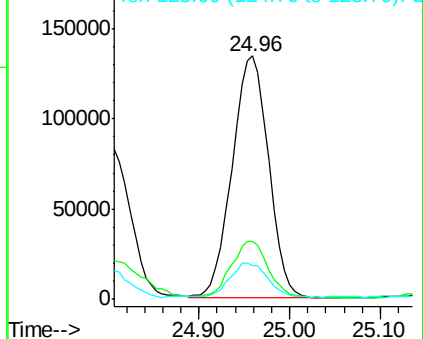
125 14.0 7.8 11.8#



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: 6.618 ng/ul

RT: 28.89 min Scan# 4357

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

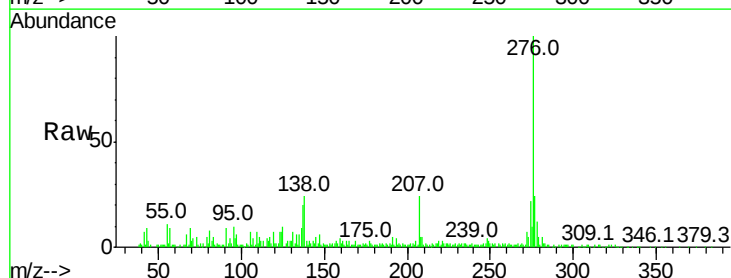
Tgt Ion:276 Resp: 243744

Ion Ratio Lower Upper

276 100

138 23.9 13.4 20.0#

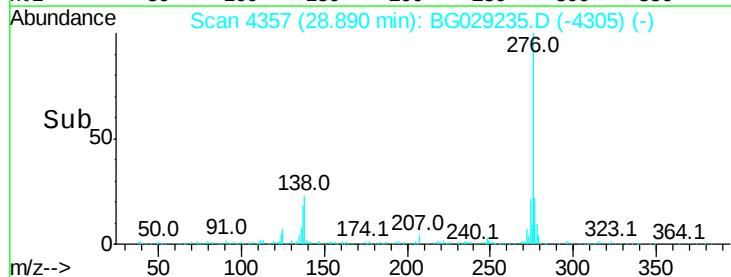
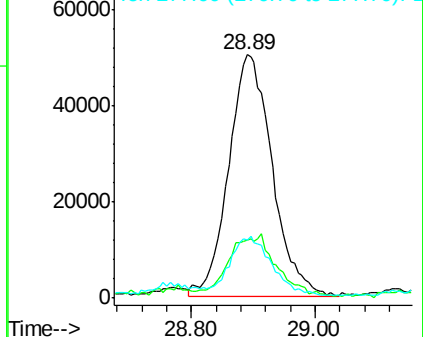
277 23.8 18.6 28.0

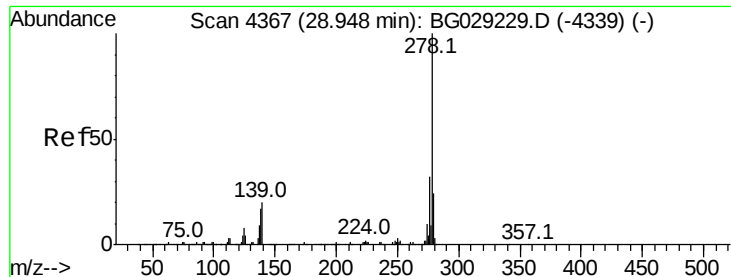


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.279 ng/ul

RT: 28.95 min Scan# 4368

Delta R.T. 0.01 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

Instrument :

BNA_G

ClientSampleId :

C0AE7

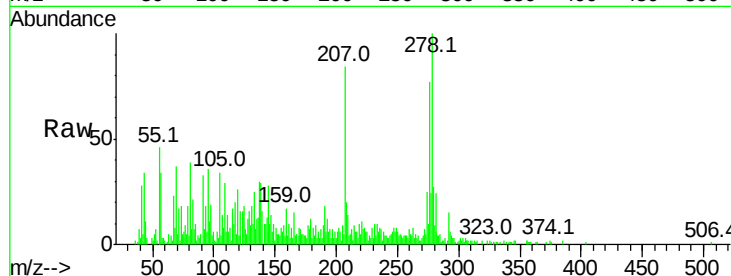
Tot Ion:278 Resp: 69743

Ion Ratio Lower Upper

278 100

139 15.9 9.4 14.2#

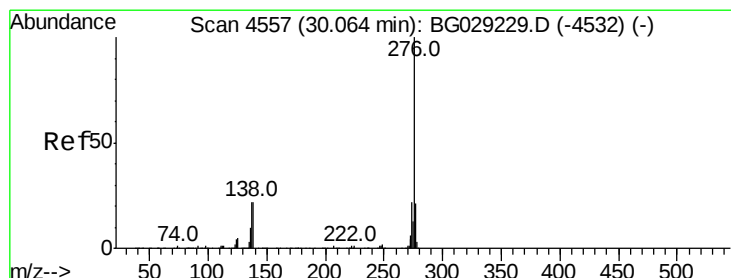
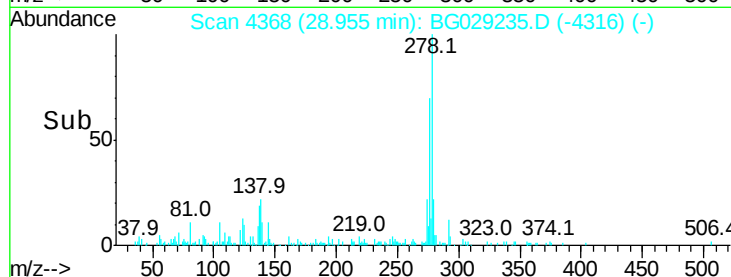
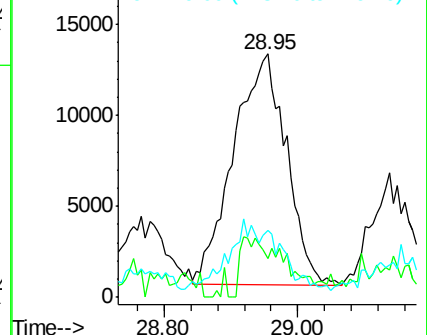
279 27.5 18.4 27.6



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: 5.721 ng/ul

RT: 30.09 min Scan# 4561

Delta R.T. 0.02 min

Lab File: BG029235.D

Acq: 14 Oct 2017 22:53

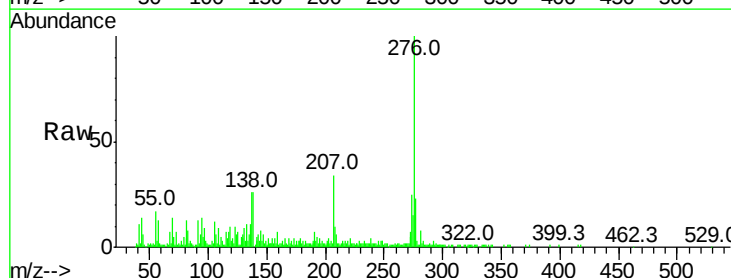
Tgt Ion:276 Resp: 174658

Ion Ratio Lower Upper

276 100

138 26.2 12.1 18.1#

277 22.5 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

