

Data Path : U:\HPCHEM1\BNA G\DATA\BG082317\
 Data File : BG028446.D
 Acq On : 23 Aug 2017 12:07
 Operator : SJ/JU
 Sample : I4827-06DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0AB5DL

Quant Time: Aug 24 01:30:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 24 01:29:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	39818	20.00	ng/ul	0.00
18) Naphthalene-d8	11.16	136	188310	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.95	164	131675	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	288685	20.00	ng/ul	0.00
75) Chrysene-d12	22.04	240	325434	20.00	ng/ul	0.00
83) Perylene-d12	25.54	264	317118	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.50	99	2945	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	2361	0.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.88	132	2361	0.86	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	2805	0.77	ng/ul	0.01
19) Nitrobenzene-d5	9.52	128	1105	0.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.24	143	1287	0.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	2864	0.86	ng/ul	0.01
29) 4-Chloroaniline-d4	11.29	131	2749	0.74	ng/ul	0.00
43) Dimethylphthalate-d6	14.34	166	10560	0.90	ng/ul	0.00
46) Acenaphthylene-d8	14.65	160	12858	0.97	ng/ul	0.00
51) 4-Nitrophenol-d4	15.19	143	311	0.17	ng/ul	0.04
57) Fluorene-d10	15.93	176	10051	0.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.08	200	132	0.07	ng/ul	0.01
70) Anthracene-d10	17.80	188	14499	1.05	ng/ul	0.00
76) Pyrene-d10	20.08	212	15675	0.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.30	264	16126	1.09	ng/ul	0.00

Target Compounds

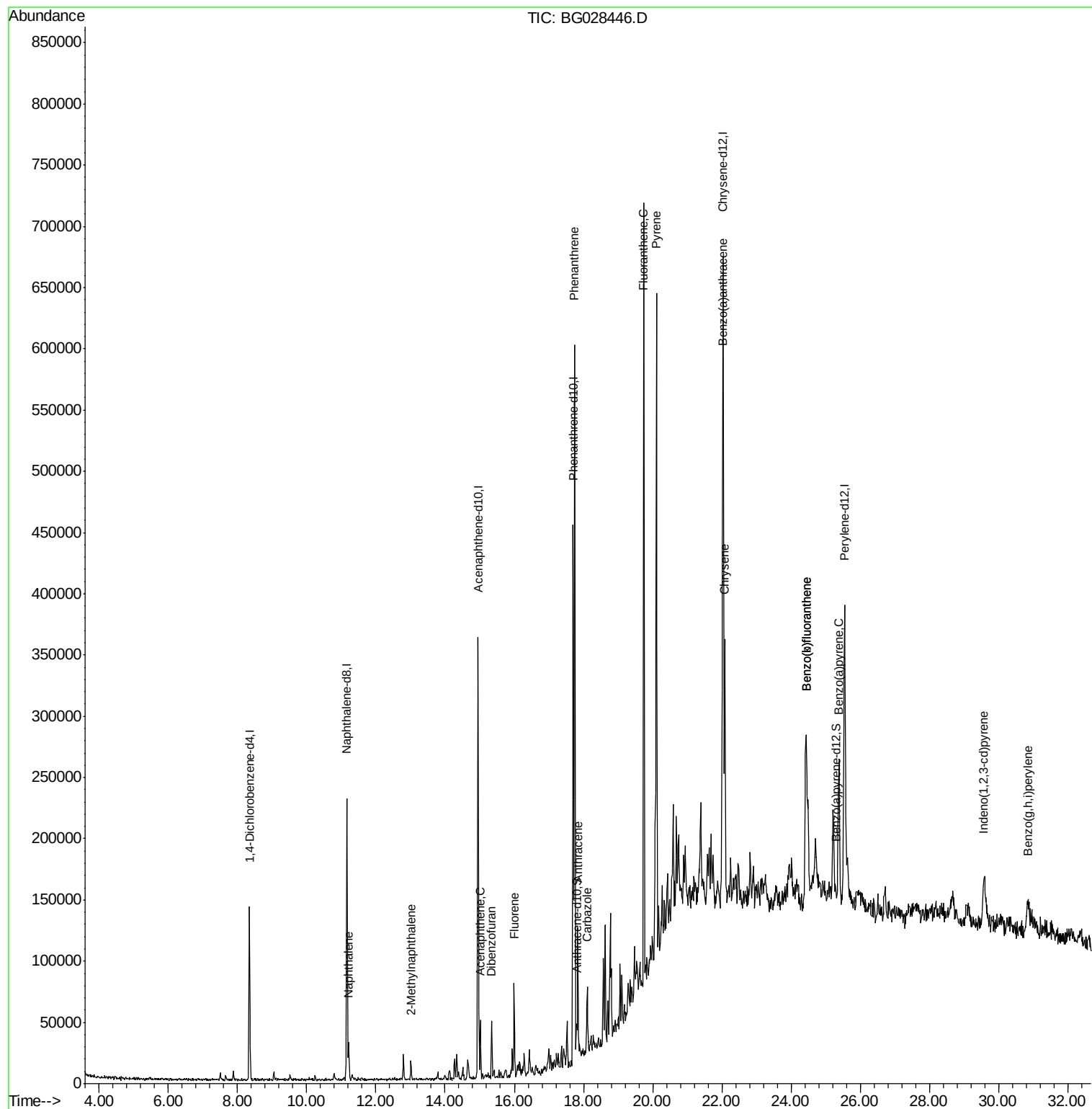
					Ovalue	
28) Naphthalene	11.21	128	23137	2.481	ng/ul	99
34) 2-Methylnaphthalene	13.01	142	8054	1.075	ng/ul	95
49) Acenaphthene	15.02	153	19985	2.347	ng/ul	92
53) Dibenzofuran	15.35	168	28988	2.335	ng/ul	98
58) Fluorene	16.00	166	36581	3.328	ng/ul	95
69) Phenanthrene	17.75	178	383538	26.400	ng/ul	98
71) Anthracene	17.84	178	74049	4.987	ng/ul	98
72) Carbazole	18.11	167	32638	2.527	ng/ul	95
74) Fluoranthene	19.74	202	419228	23.744	ng/ul	99
77) Pyrene	20.11	202	363991	18.747	ng/ul	98
80) Benzo(a)anthracene	22.02	228	178740	9.506	ng/ul	99
82) Chrysene	22.09	228	166015	9.803	ng/ul	96
85) Benzo(b)fluoranthene	24.43	252	201206	10.603	ng/ul#	96
86) Benzo(k)fluoranthene	24.43	252	201206	10.855	ng/ul#	94
88) Benzo(a)pyrene	25.38	252	153330	8.345	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.56	276	85201	3.960	ng/ul	99
91) Benzo(g,h,i)perylene	30.83	276	28391	1.604	ng/ul#	88

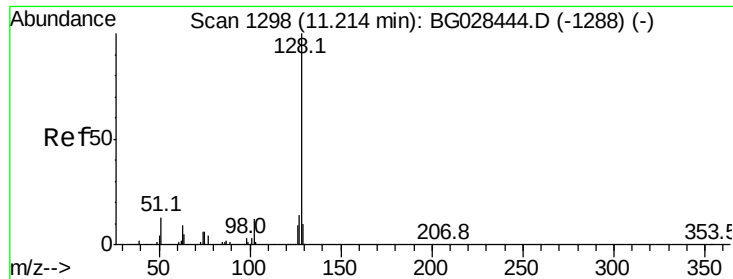
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#28

Naphthalene

Concen: 2.481 ng/ul

RT: 11.21 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

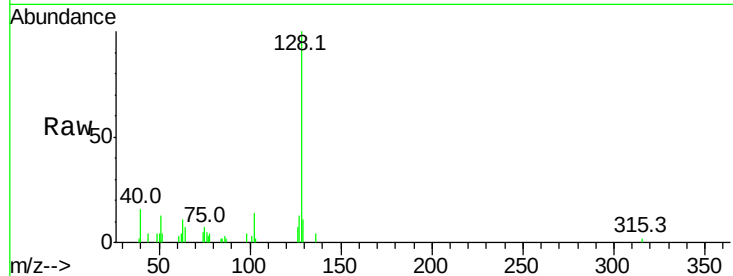
Tot Ion:128 Resp: 23137

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

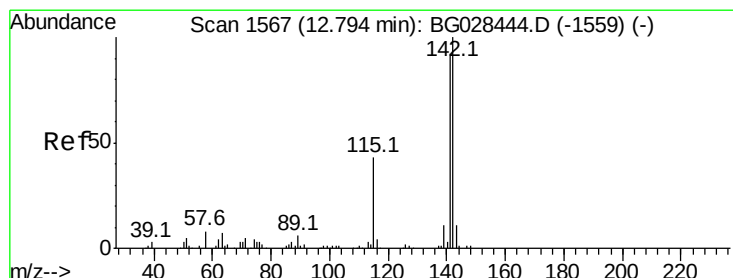
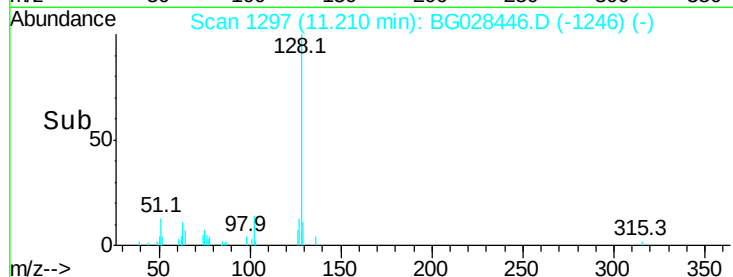
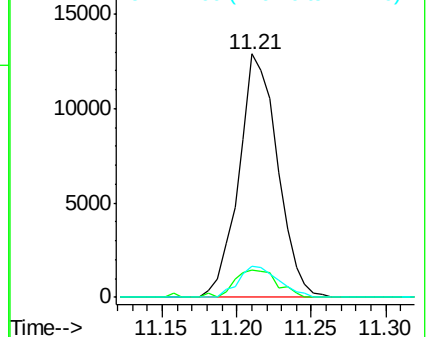
127 12.9 10.3 15.5



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: 1.075 ng/ul

RT: 13.01 min Scan# 1604

Delta R.T. 0.22 min

Lab File: BG028446.D

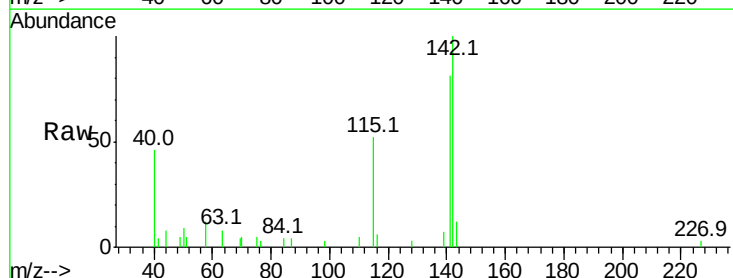
Acq: 23 Aug 2017 12:07

Tgt Ion:142 Resp: 8054

Ion Ratio Lower Upper

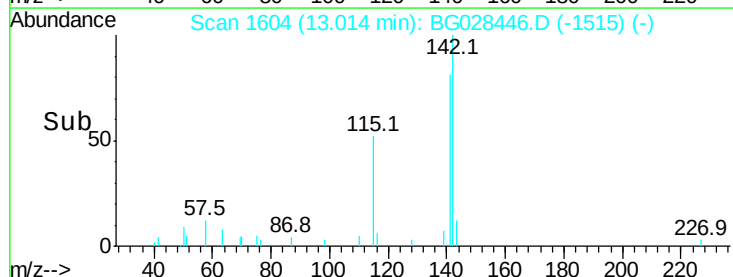
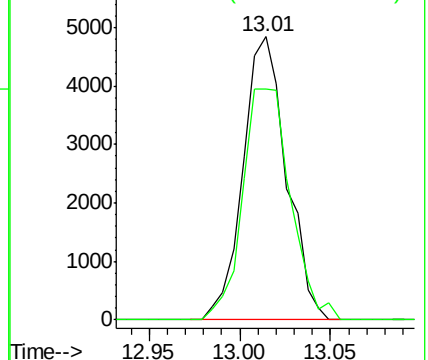
142 100

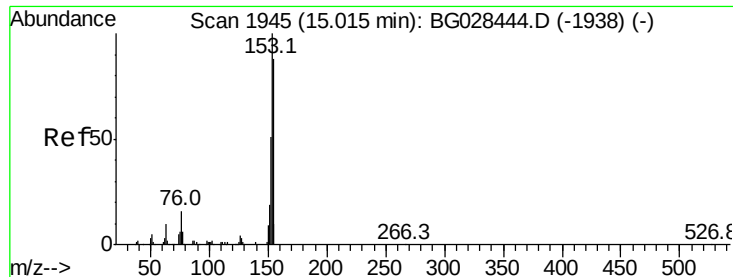
141 81.5 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#49

Acenaphthene

Concen: 2.347 ng/ul

RT: 15.02 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

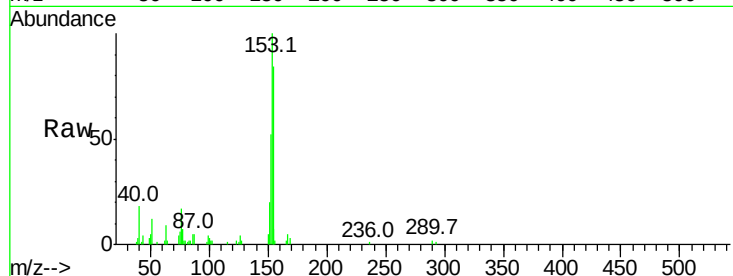
Tot Ion:153 Resp: 19985

Ion Ratio Lower Upper

153 100

152 52.5 36.5 54.7

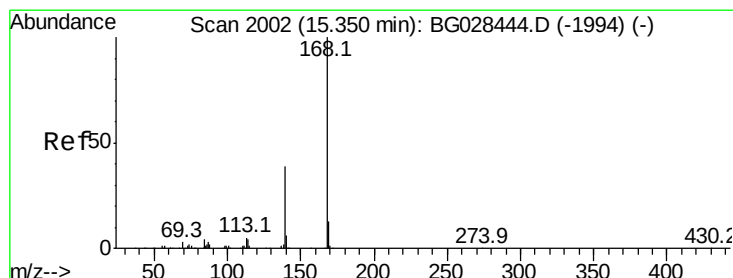
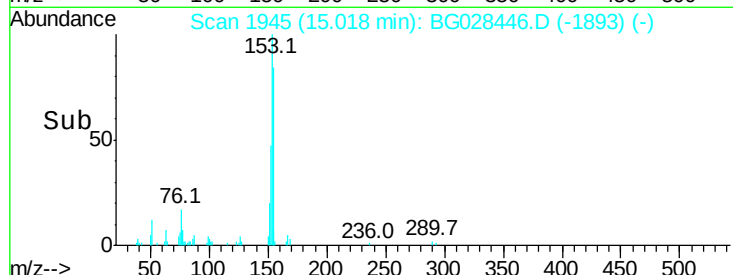
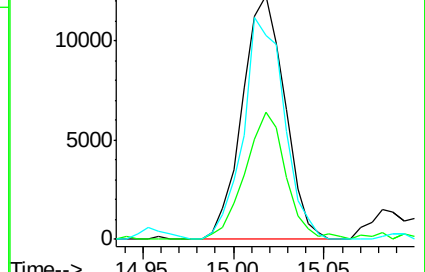
154 83.7 72.3 108.5



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: 2.335 ng/ul

RT: 15.35 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BG028446.D

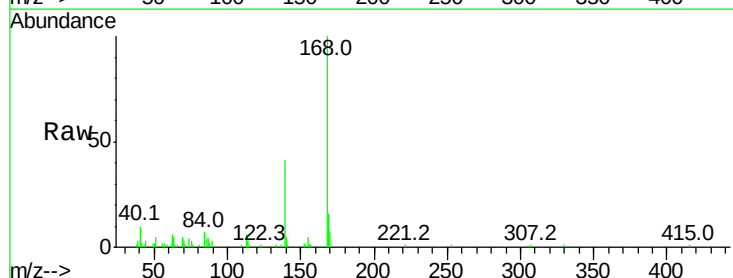
Acq: 23 Aug 2017 12:07

Tgt Ion:168 Resp: 28988

Ion Ratio Lower Upper

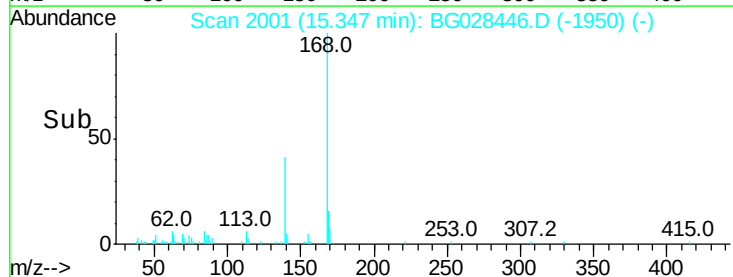
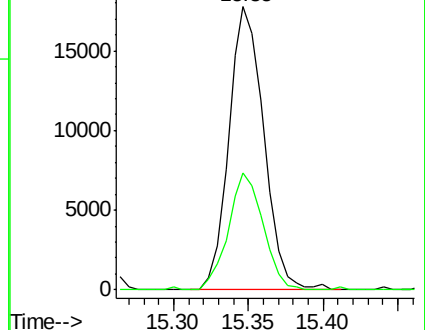
168 100

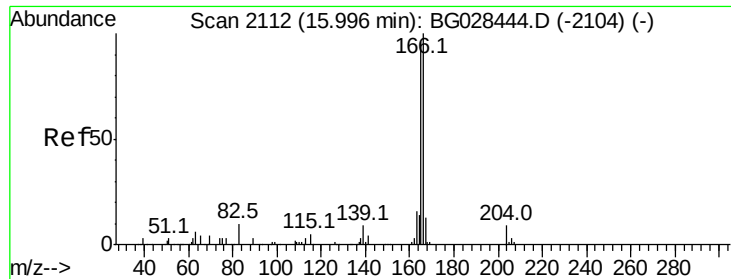
139 41.3 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.328 ng/ul

RT: 16.00 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

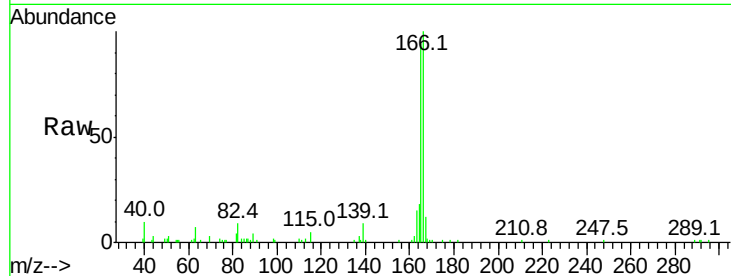
Tot Ion:166 Resp: 36581

Ion Ratio Lower Upper

166 100

165 94.1 79.7 119.5

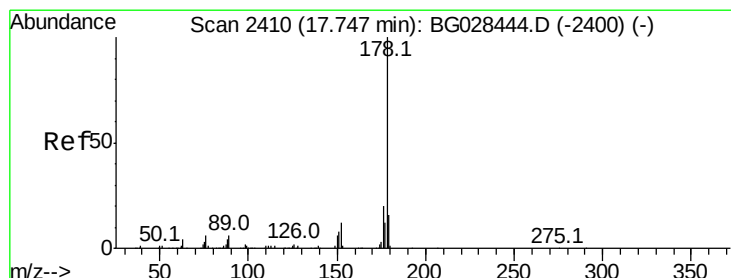
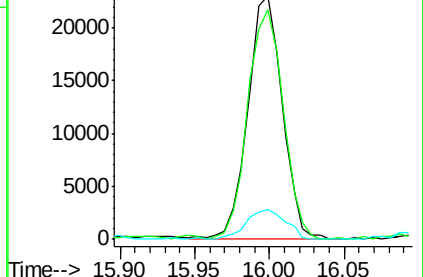
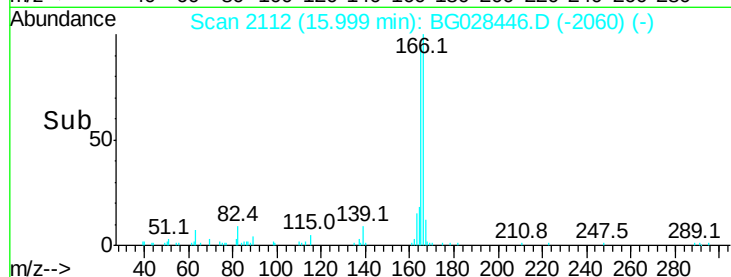
167 12.2 11.4 17.2



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: 26.400 ng/ul

RT: 17.75 min Scan# 2410

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

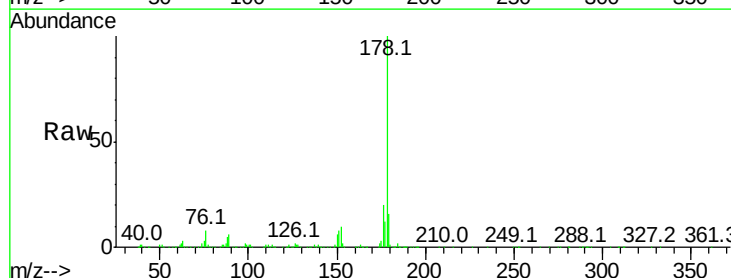
Tgt Ion:178 Resp: 383538

Ion Ratio Lower Upper

178 100

179 16.1 12.4 18.6

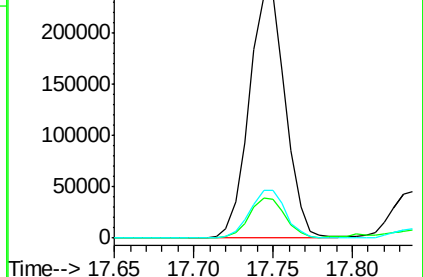
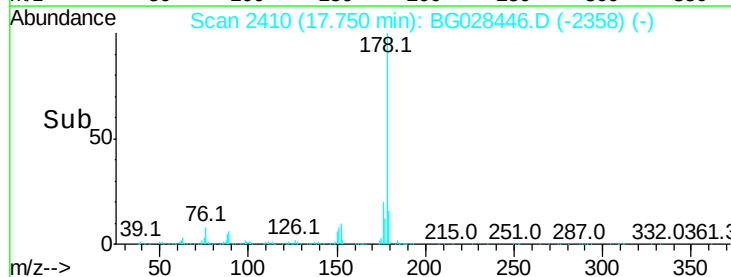
176 19.6 16.5 24.7

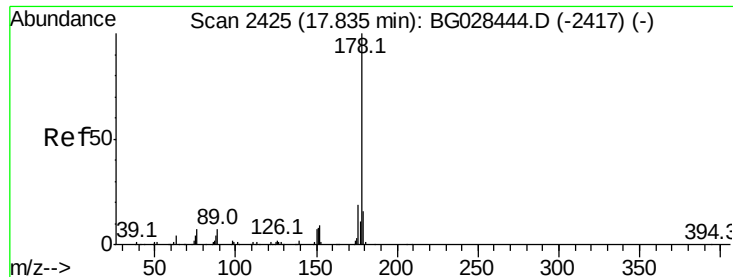


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.987 ng/ul

RT: 17.84 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

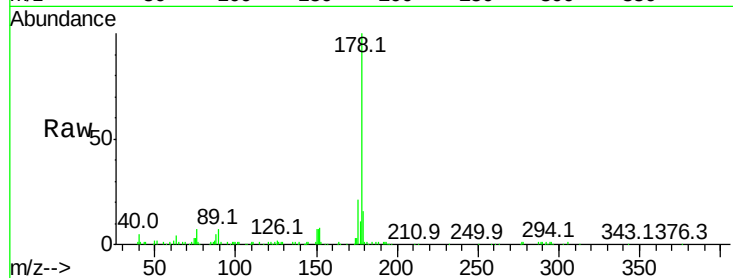
BNA_G

ClientSampleId :

B0AB5DL

Tot Ion:178 Resp: 74049

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.6	19.0
176	21.3	15.9	23.9

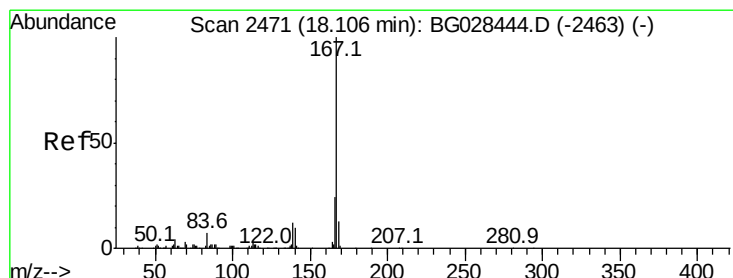
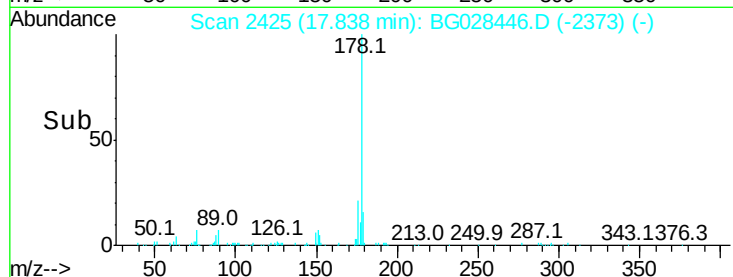
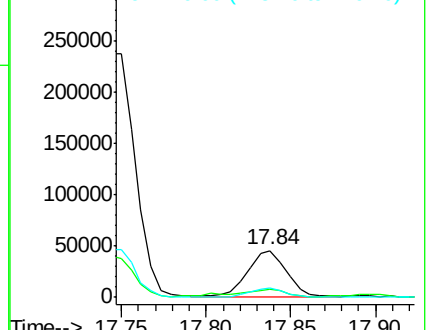


Abundance

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



#72

Carbazole

Concen: 2.527 ng/ul

RT: 18.11 min Scan# 2471

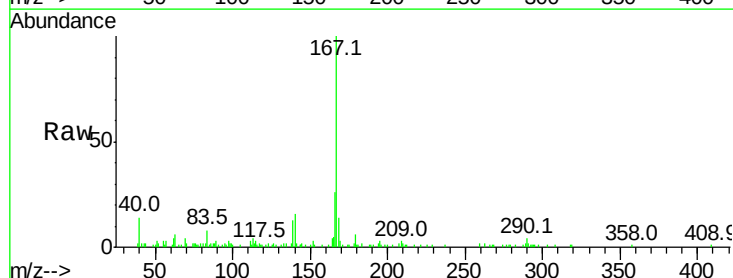
Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Tgt Ion:167 Resp: 32638

Ion	Ratio	Lower	Upper
167	100		
166	25.6	17.9	26.9
139	13.4	10.5	15.7

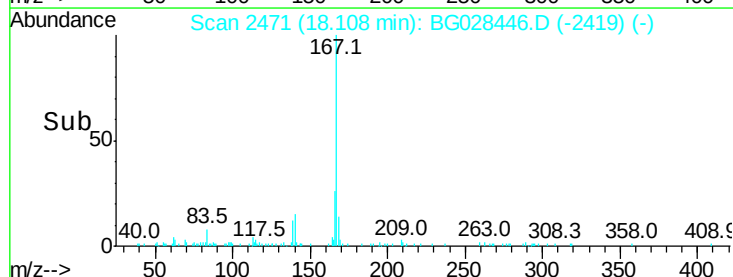
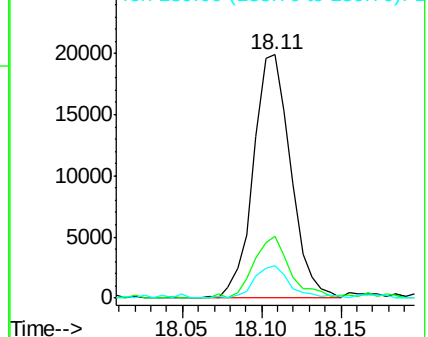


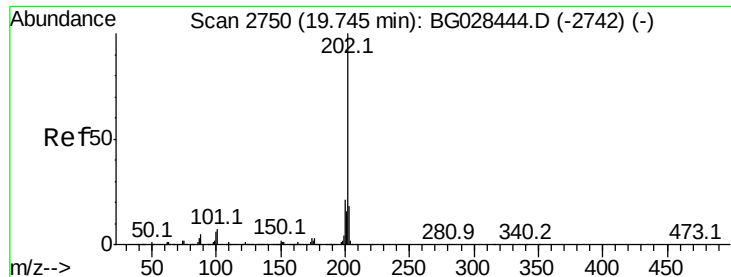
Abundance

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: 23.744 ng/ul

RT: 19.74 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

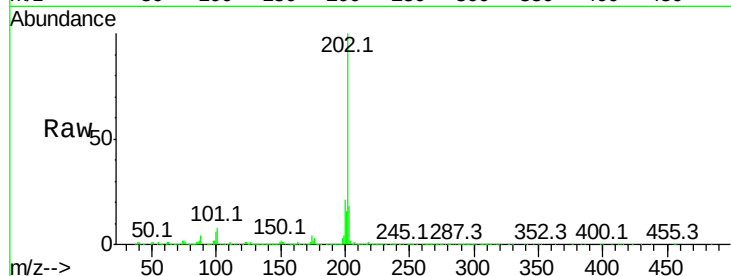
Tot Ion:202 Resp: 419228

Ion Ratio Lower Upper

202 100

101 7.8 6.2 9.2

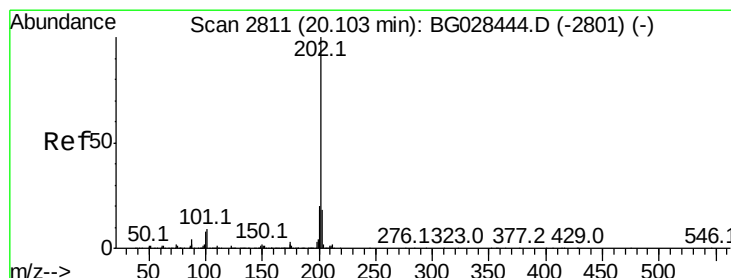
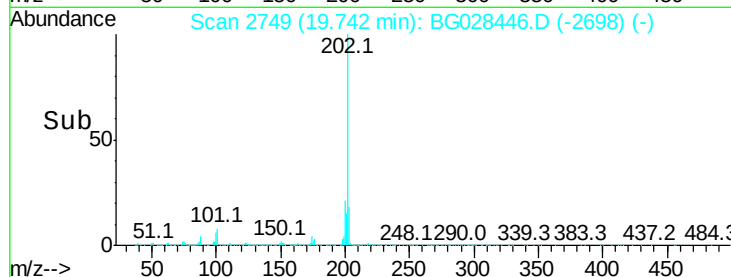
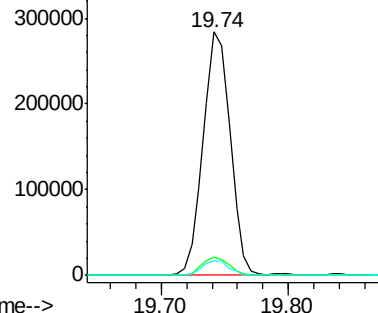
100 5.7 5.2 7.8



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: 18.747 ng/ul

RT: 20.11 min Scan# 2811

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

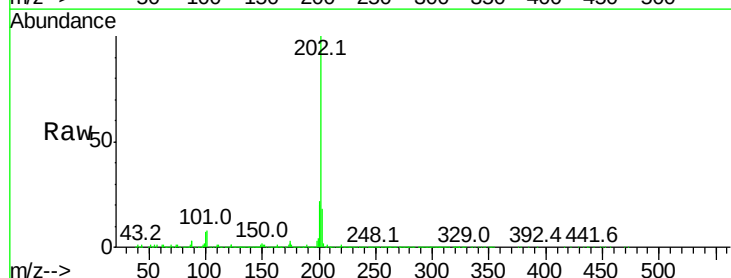
Tgt Ion:202 Resp: 363991

Ion Ratio Lower Upper

202 100

101 8.3 6.9 10.3

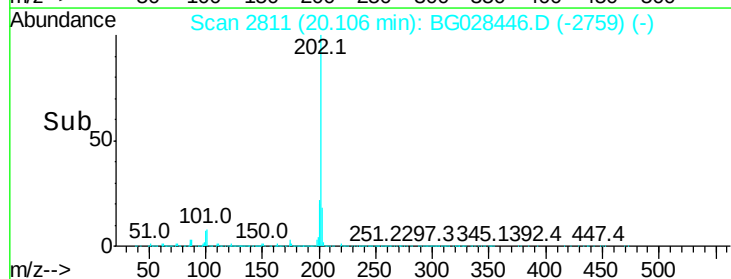
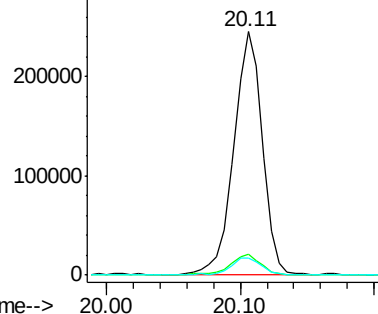
100 7.2 6.6 10.0

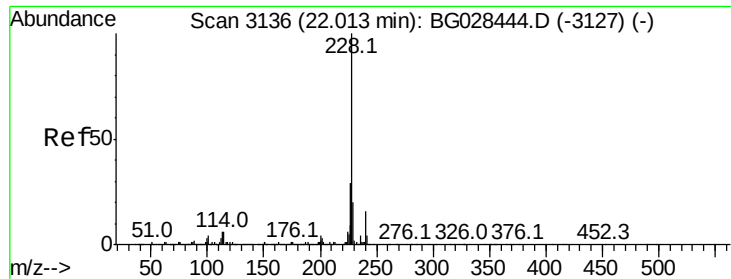


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.506 ng/ul

RT: 22.02 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

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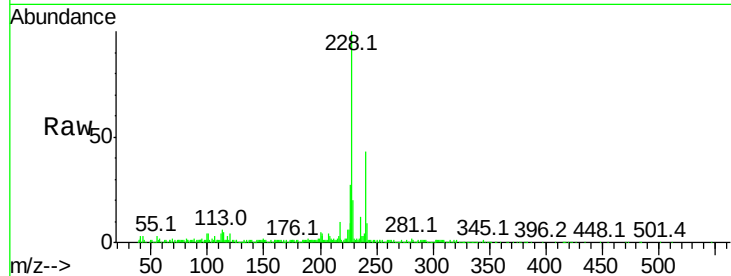
Tot Ion:228 Resp: 178740

Ion	Ratio	Lower	Upper
228	100		
229	19.5	16.3	24.5
226	27.1	21.9	32.9

228 100

229 19.5 16.3 24.5

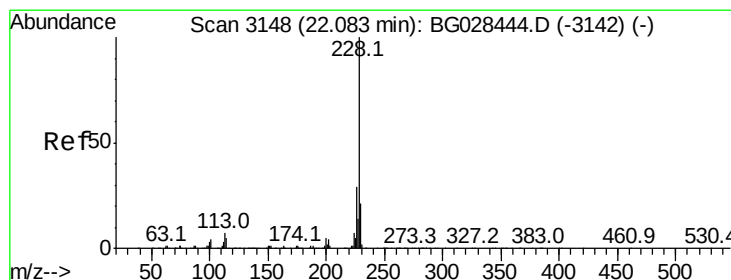
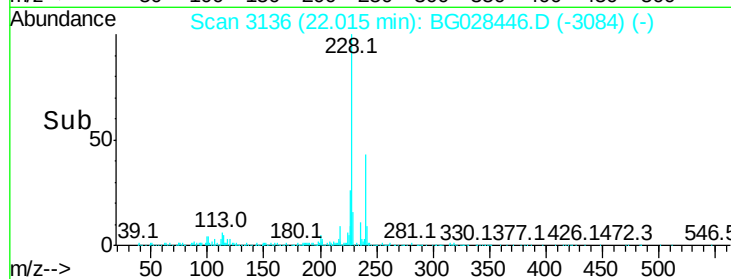
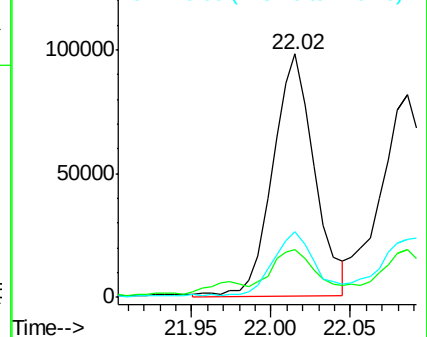
226 27.1 21.9 32.9



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: 9.803 ng/ul

RT: 22.09 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

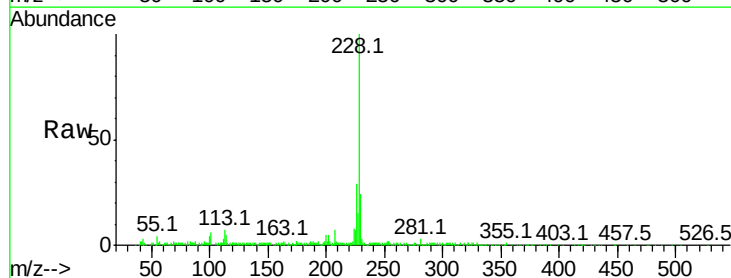
Tgt Ion:228 Resp: 166015

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	23.7	16.9	25.3

228 100

226 28.9 24.0 36.0

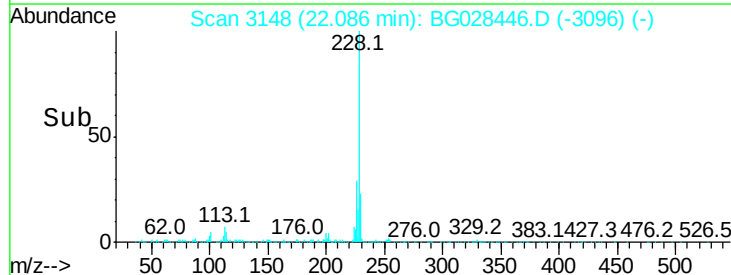
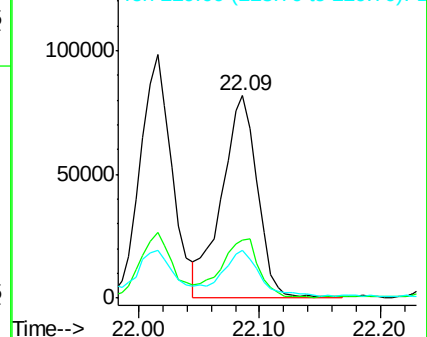
229 23.7 16.9 25.3

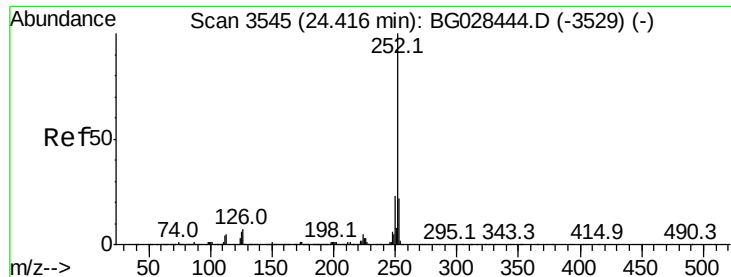


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 10.603 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

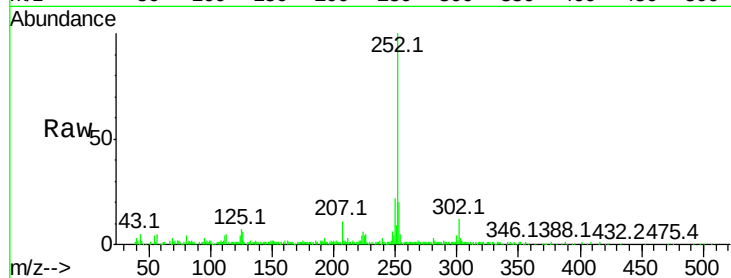
Tot Ion:252 Resp: 201206

Ion Ratio Lower Upper

252 100

253 20.1 17.7 26.5

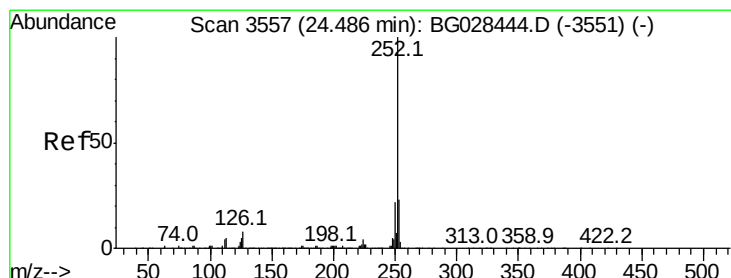
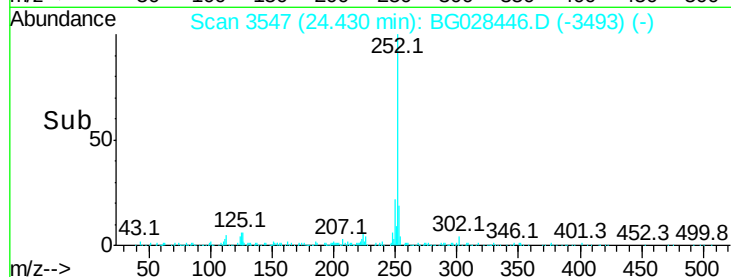
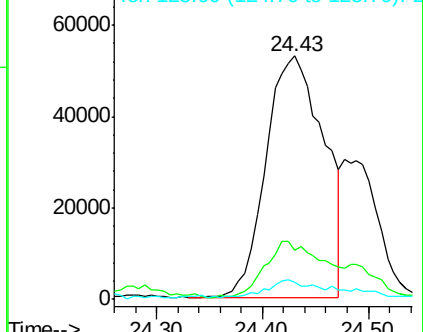
125 7.0 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 10.855 ng/ul

RT: 24.43 min Scan# 3547

Delta R.T. -0.06 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

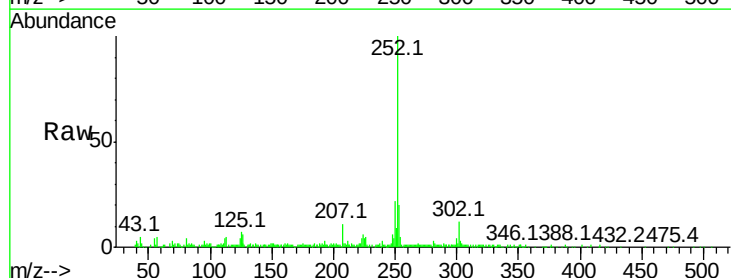
Tgt Ion:252 Resp: 201206

Ion Ratio Lower Upper

252 100

253 20.1 18.5 27.7

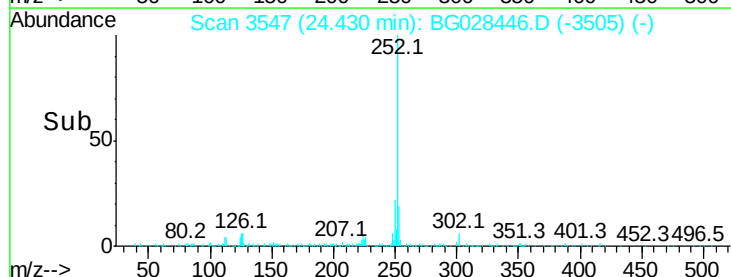
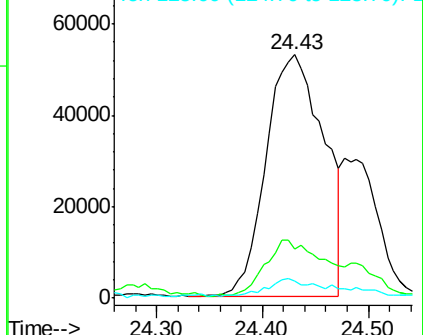
125 7.0 4.1 6.1#

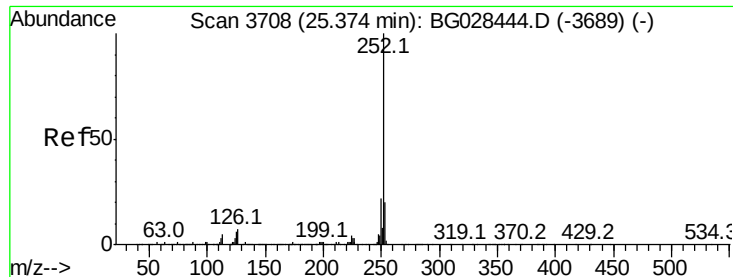


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 8.345 ng/ul

RT: 25.38 min Scan# 3708

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

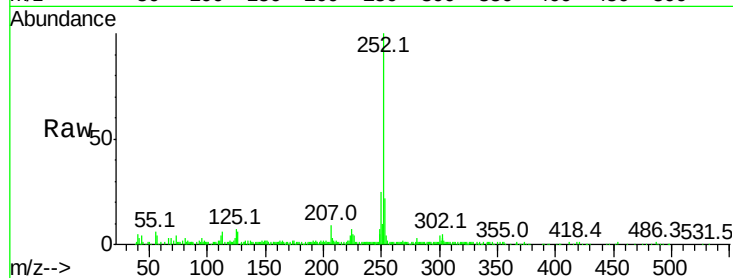
Tot Ion:252 Resp: 153330

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

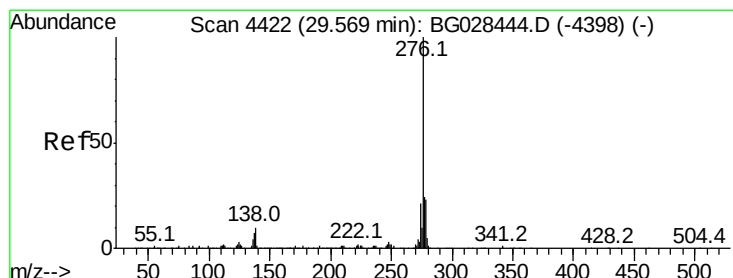
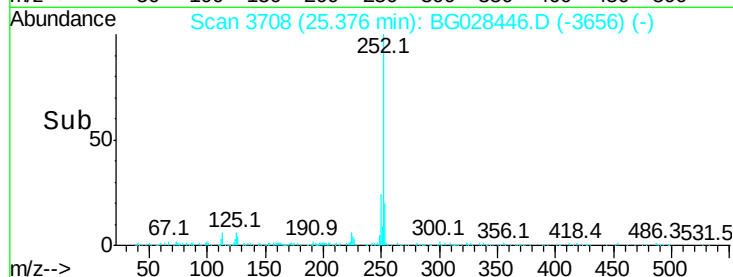
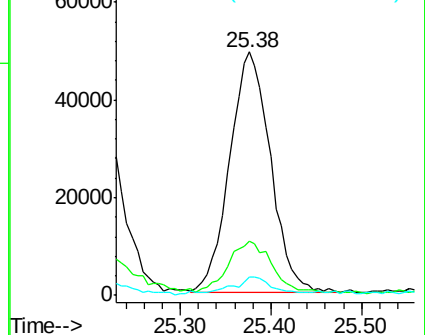
125 7.4 5.4 8.0



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.960 ng/ul

RT: 29.56 min Scan# 4420

Delta R.T. -0.01 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

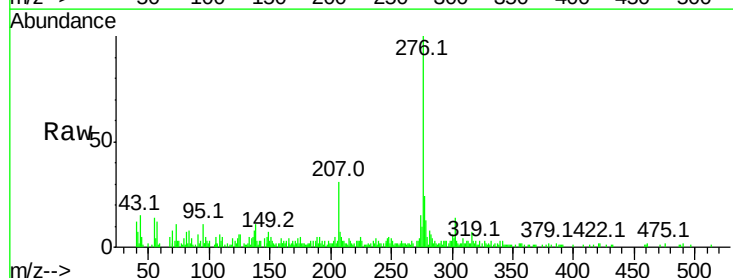
Tgt Ion:276 Resp: 85201

Ion Ratio Lower Upper

276 100

138 11.3 8.2 12.4

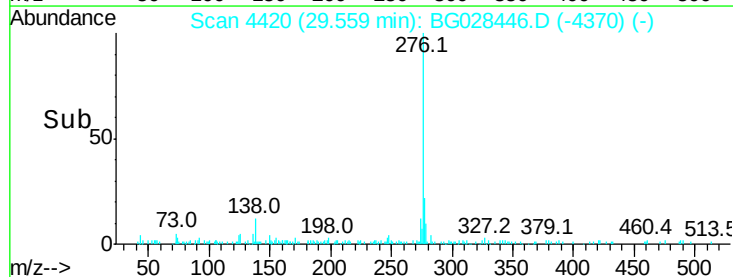
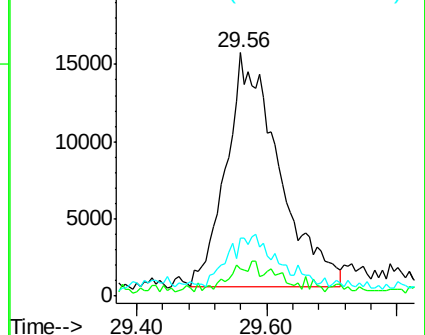
277 23.6 18.6 28.0

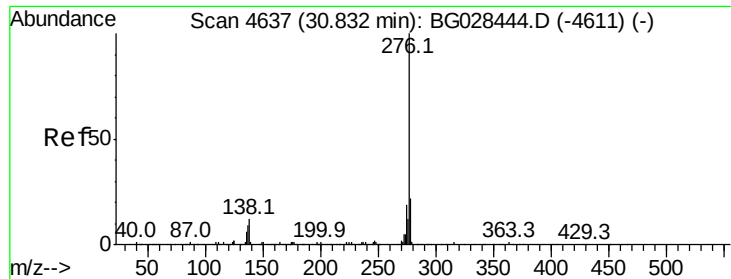


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.604 ng/ul

RT: 30.83 min Scan# 4637

Delta R.T. 0.00 min

Lab File: BG028446.D

Acq: 23 Aug 2017 12:07

Instrument :

BNA_G

ClientSampleId :

B0AB5DL

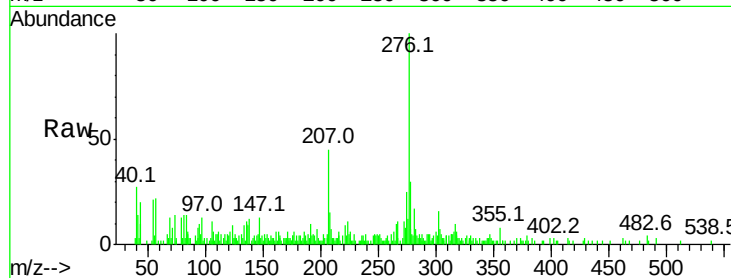
Tot Ion:276 Resp: 28391

Ion Ratio Lower Upper

276 100

138 11.6 8.6 12.8

277 30.1 17.6 26.4#



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

