

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027515.D
 Acq On : 17 Jun 2017 20:29
 Operator : SJ/MA
 Sample : I3599-09 20X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5D77

Quant Time: Jun 19 03:16:06 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 19 01:52:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	57336	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	280785	20.00	ng/ul	0.03
35) Acenaphthene-d10	15.11	164	181070	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.87	188	345055	20.00	ng/ul	0.02
75) Chrysene-d12	22.25	240	429870	20.00	ng/ul	0.02
83) Perylene-d12	25.90	264	380151	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.66	99	4851	0.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	4484	1.06	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	3746	0.91	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	4362	0.90	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	6879	3.37	ng/ul	0.02
22) 2-Nitrophenol-d4	10.42	143	2282	1.05	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.96	165	3787	0.93	ng/ul	0.01
29) 4-Chloroaniline-d4	11.52	131	92904	17.93	ng/ul	0.06
43) Dimethylphthalate-d6	14.50	166	19384	1.28	ng/ul	0.01
46) Acenaphthylene-d8	14.80	160	16777	0.96	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	5362	1.81	ng/ul	0.02
57) Fluorene-d10	16.10	176	14921	1.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	96	0.04	ng/ul	0.00
70) Anthracene-d10	17.98	188	19012	1.18	ng/ul	0.02
76) Pyrene-d10	20.23	212	23676	1.13	ng/ul	0.01
87) Benzo(a)pyrene-d12	25.65	264	17337	1.01	ng/ul	0.02

Target Compounds

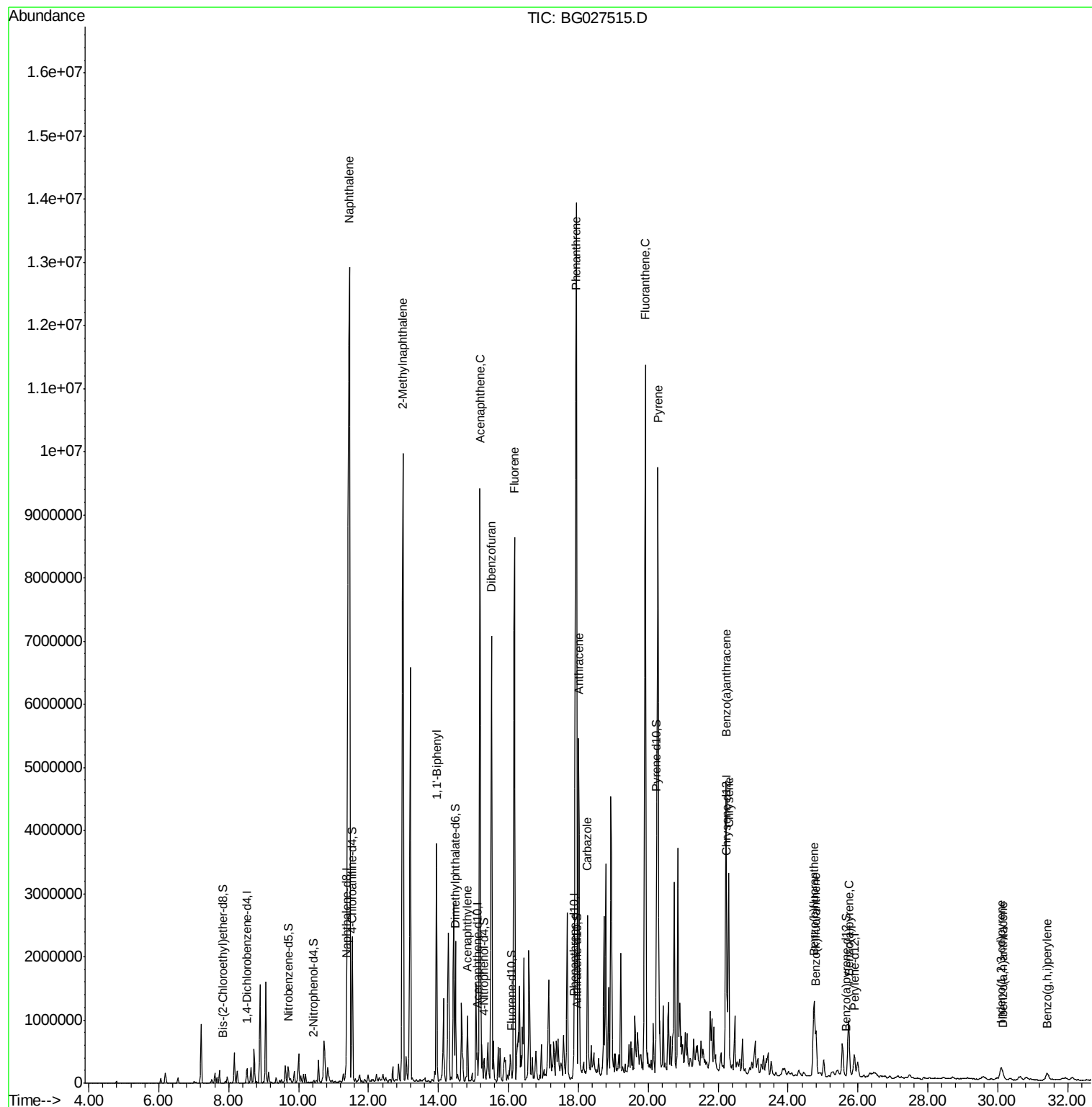
					Qvalue	
28) Naphthalene	11.46	128	13489988	934.889	ng/ul#	25
34) 2-Methylnaphthalene	12.99	142	5738454	536.287	ng/ul	86
40) 1,1'-Biphenyl	13.95	154	1949426	136.090	ng/ul#	89
47) Acenaphthylene	14.83	152	396557	22.661	ng/ul#	95
49) Acenaphthene	15.19	153	4409797	361.322	ng/ul#	91
53) Dibenzofuran	15.52	168	4586540	257.841	ng/ul#	75
58) Fluorene	16.17	166	4553252	308.450	ng/ul#	96
69) Phenanthrene	17.95	178	9709863	523.646	ng/ul#	33
71) Anthracene	18.01	178	3224509	171.018	ng/ul#	87
72) Carbazole	18.27	167	1587433	97.892	ng/ul	94
74) Fluoranthene	19.92	202	7243096	347.172	ng/ul#	39
77) Pyrene	20.28	202	6145031	241.837	ng/ul#	44
80) Benzo(a)anthracene	22.23	228	3014212	125.915	ng/ul#	90
82) Chrysene	22.30	228	2279577	105.439	ng/ul	93
85) Benzo(b)fluoranthene	24.74	252	1681943	74.288	ng/ul#	95
86) Benzo(k)fluoranthene	24.80	252	560299	25.746	ng/ul#	96
88) Benzo(a)pyrene	25.73	252	1054182	48.494	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	30.10	276	351948	14.182	ng/ul#	91
90) Dibenzo(a,h)anthracene	30.15	278	105736	4.963	ng/ul#	94
91) Benzo(g,h,i)perylene	31.43	276	234348	11.534	ng/ul#	90

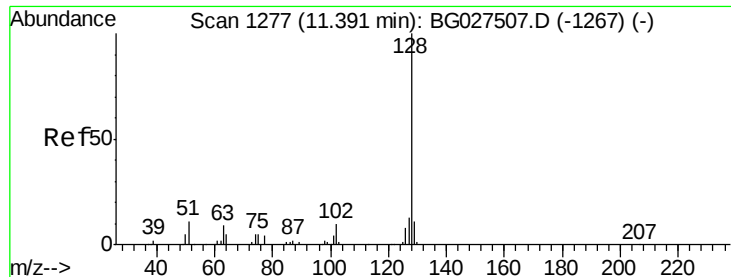
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 934.889 ng/ul

RT: 11.46 min Scan# 1288

Delta R.T. 0.06 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

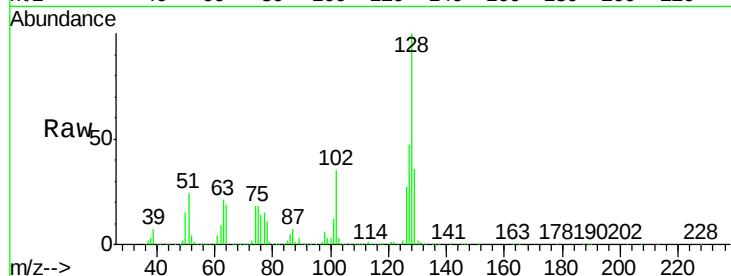
Tgt Ion:128 Resp:13489988

Ion Ratio Lower Upper

128 100

129 35.8 9.4 14.2#

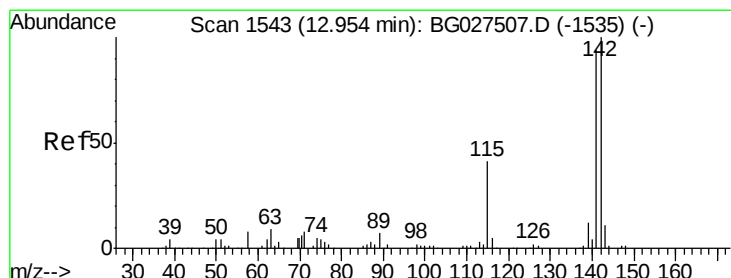
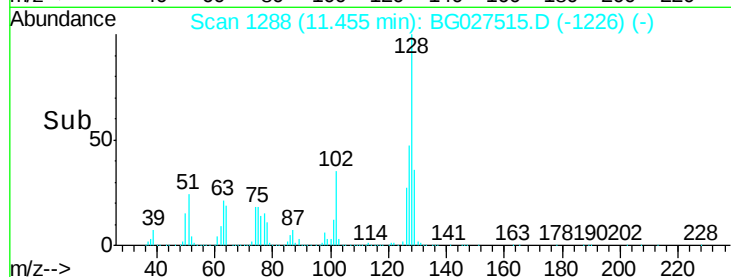
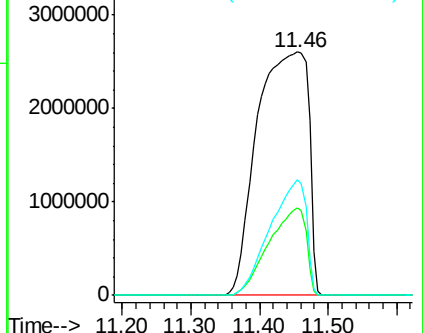
127 47.4 10.3 15.5#



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: 536.287 ng/ul

RT: 12.99 min Scan# 1549

Delta R.T. 0.03 min

Lab File: BG027515.D

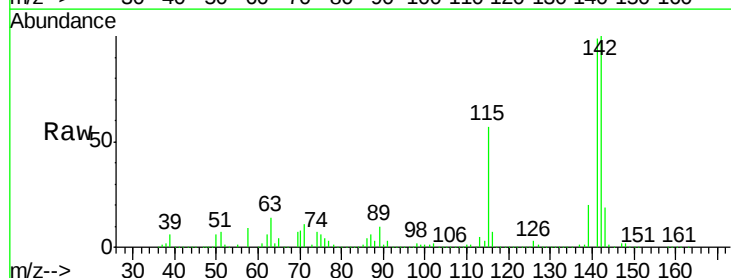
Acq: 17 Jun 2017 20:29

Tgt Ion:142 Resp: 5738454

Ion Ratio Lower Upper

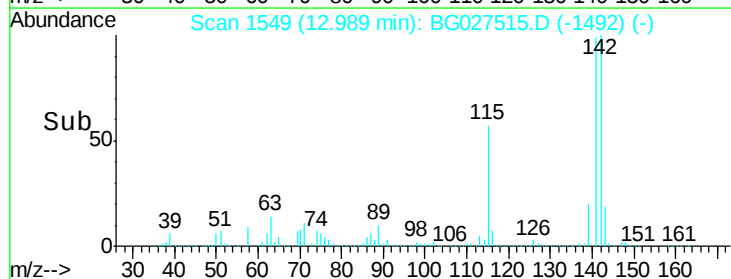
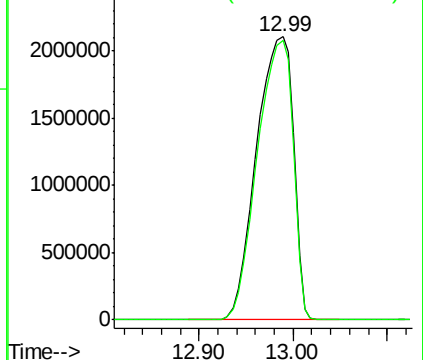
142 100

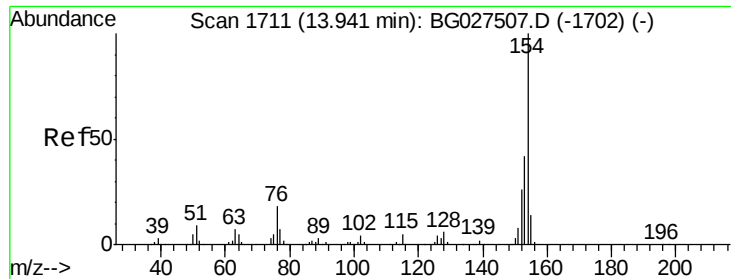
141 98.8 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

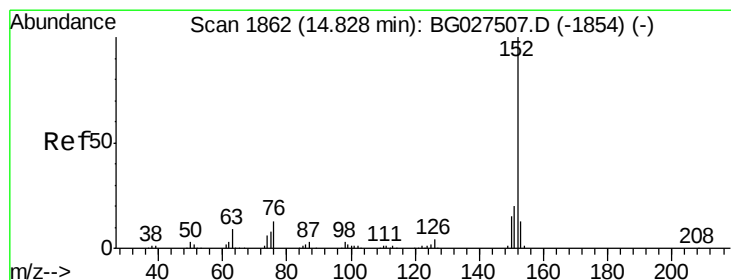
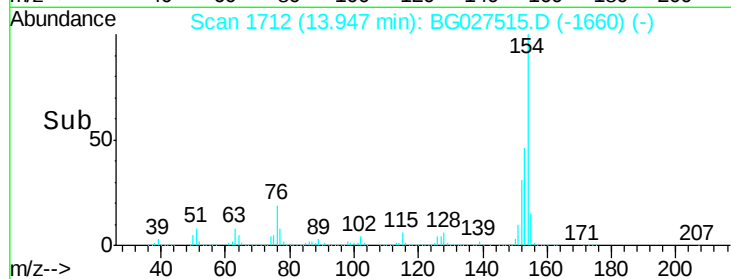
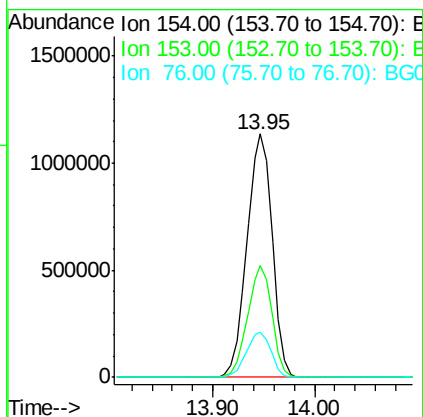
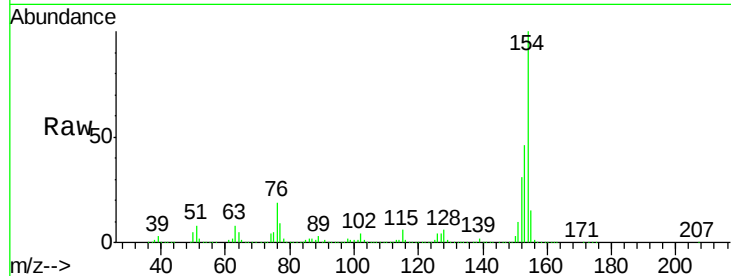




#40
 1,1'-Biphenyl
 Concen: 136.090 ng/ul
 RT: 13.95 min Scan# 1712
 Delta R.T. 0.01 min
 Lab File: BG027515.D
 Acq: 17 Jun 2017 20:29

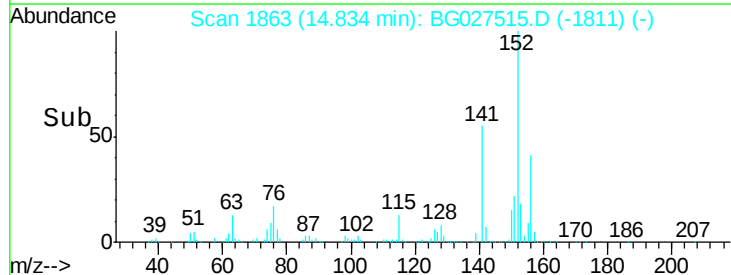
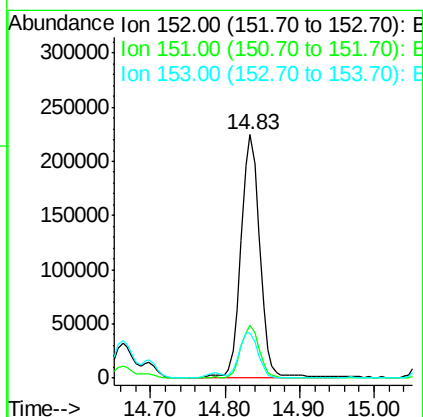
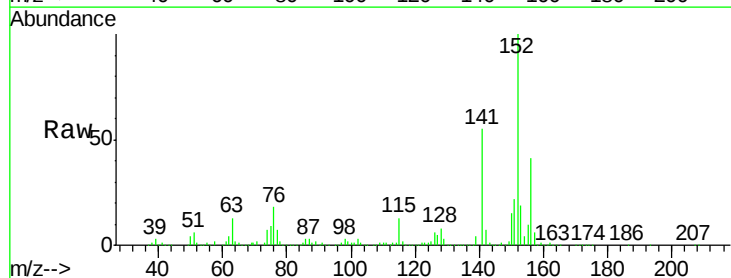
Instrument :
 BNA_G
 ClientSampled :
 F5D77

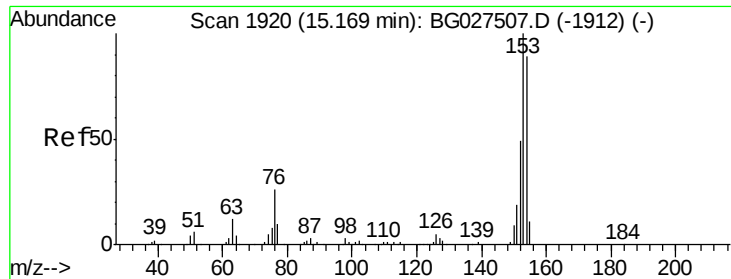
Tgt Ion:154 Resp: 1949426
 Ion Ratio Lower Upper
 154 100
 153 45.9 32.2 48.2
 76 18.7 9.6 14.4#



#47
 Acenaphthylene
 Concen: 22.661 ng/ul
 RT: 14.83 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: BG027515.D
 Acq: 17 Jun 2017 20:29

Tgt Ion:152 Resp: 396557
 Ion Ratio Lower Upper
 152 100
 151 21.8 16.7 25.1
 153 18.6 11.4 17.2#





#49

Acenaphthene

Concen: 361.322 ng/ul

RT: 15.19 min Scan# 1924

Delta R.T. 0.02 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

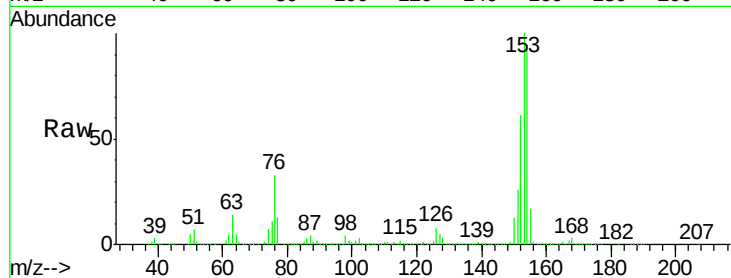
Tgt Ion:153 Resp: 4409797

Ion Ratio Lower Upper

153 100

152 61.1 36.5 54.7#

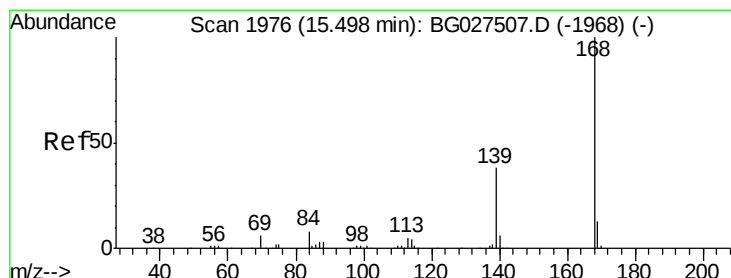
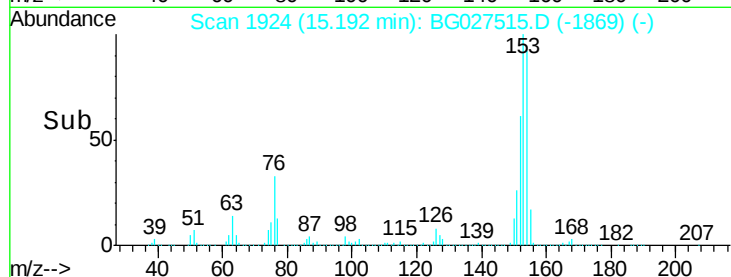
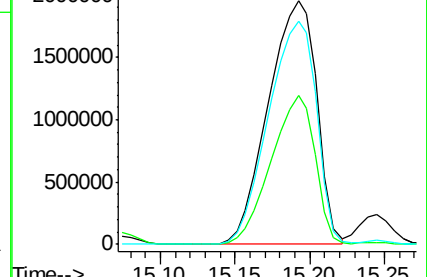
154 91.7 72.3 108.5



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: 257.841 ng/ul

RT: 15.52 min Scan# 1980

Delta R.T. 0.02 min

Lab File: BG027515.D

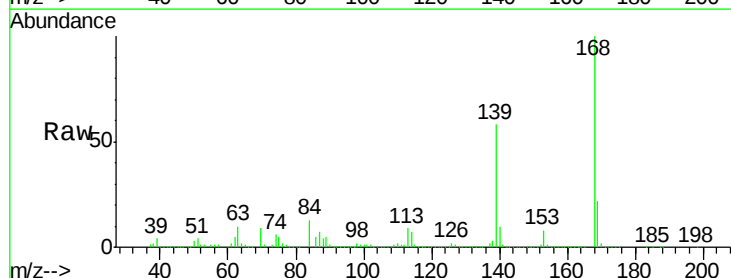
Acq: 17 Jun 2017 20:29

Tgt Ion:168 Resp: 4586540

Ion Ratio Lower Upper

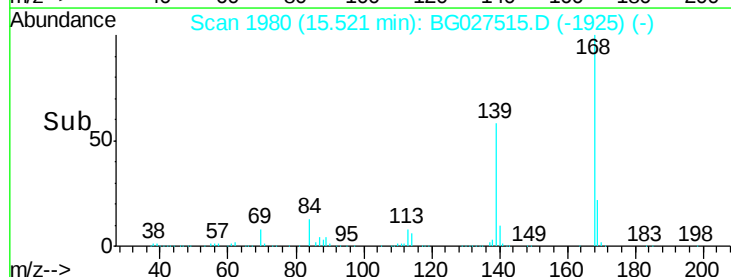
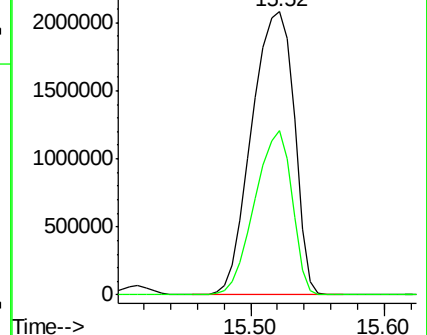
168 100

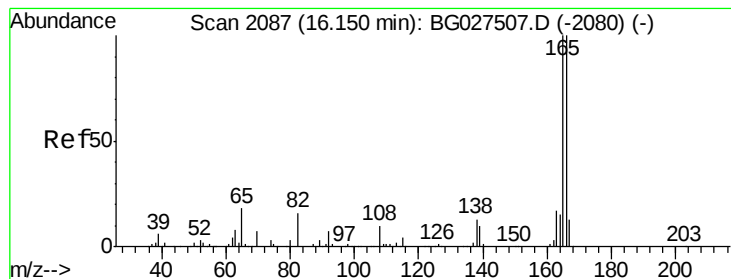
139 58.1 33.8 50.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 308.450 ng/ul

RT: 16.17 min Scan# 2091

Delta R.T. 0.02 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

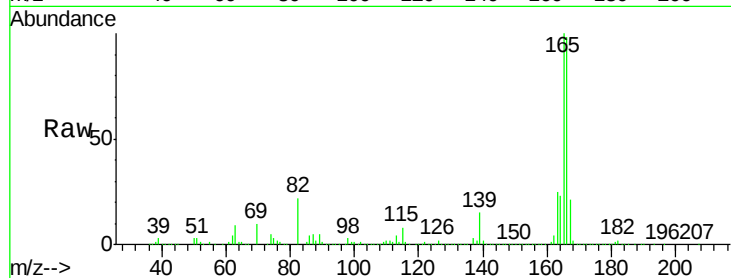
Tgt Ion:166 Resp: 4553252

Ion Ratio Lower Upper

166 100

165 101.8 79.7 119.5

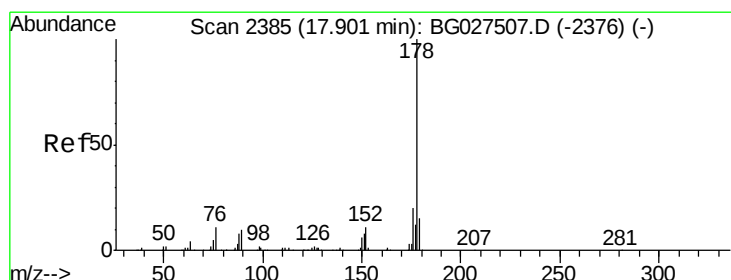
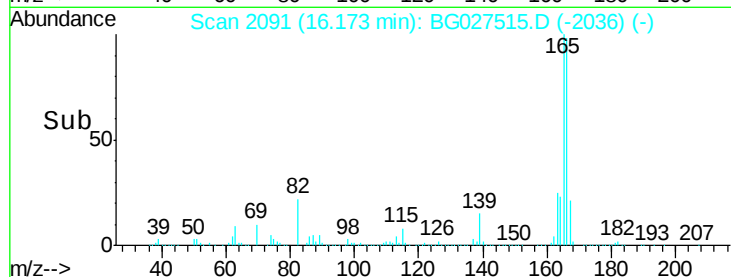
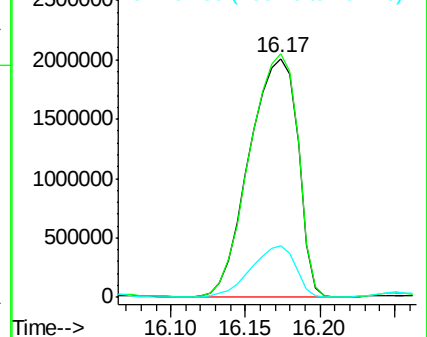
167 21.7 11.4 17.2#



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: 523.646 ng/ul

RT: 17.95 min Scan# 2393

Delta R.T. 0.05 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

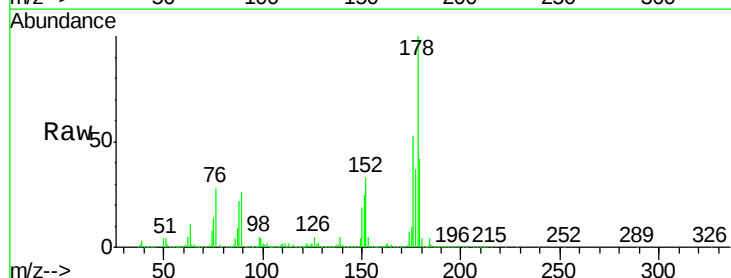
Tgt Ion:178 Resp: 9709863

Ion Ratio Lower Upper

178 100

179 41.9 12.4 18.6#

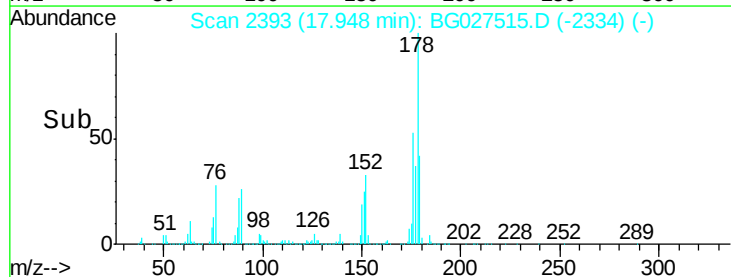
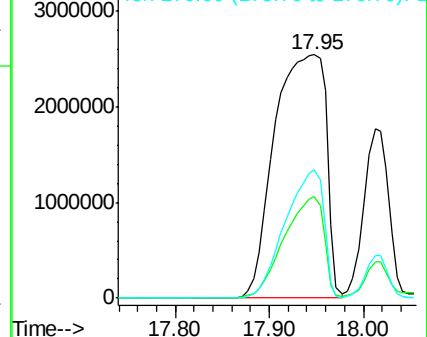
176 53.0 16.5 24.7#

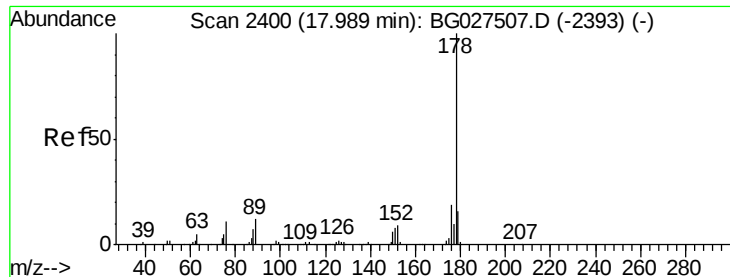


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

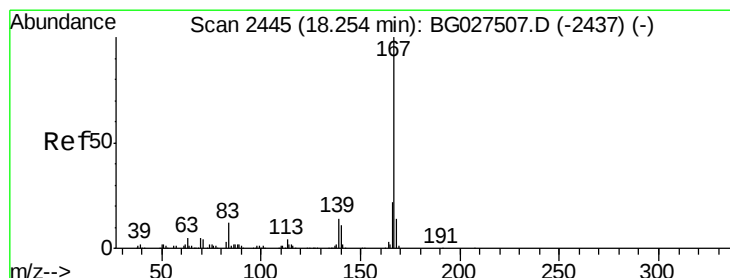
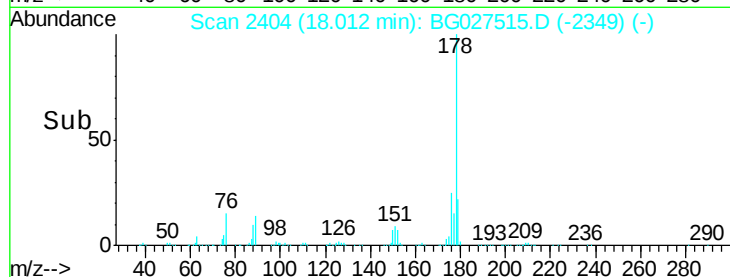
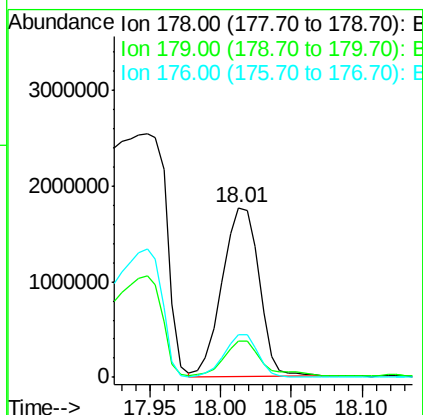
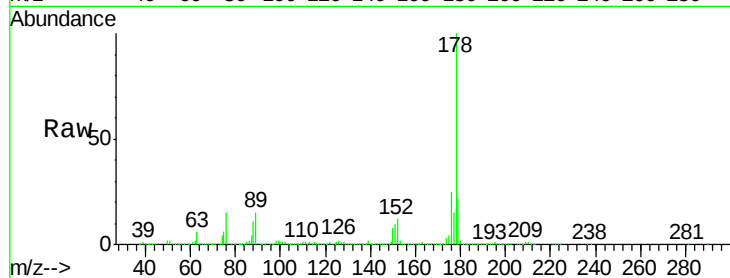




#71
 Anthracene
 Concen: 171.018 ng/ul
 RT: 18.01 min Scan# 2404
 Delta R.T. 0.02 min
 Lab File: BG027515.D
 Acq: 17 Jun 2017 20:29

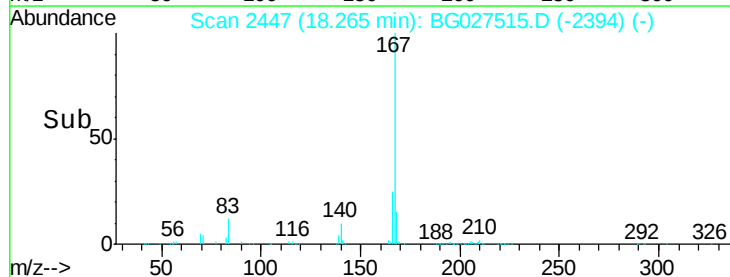
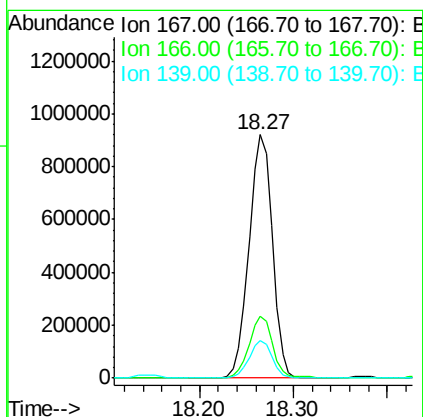
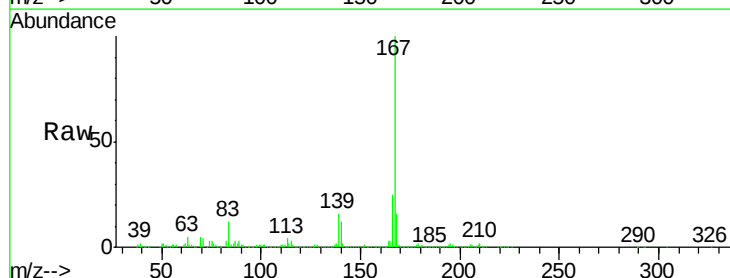
Instrument :
 BNA_G
 ClientSampleId :
 F5D77

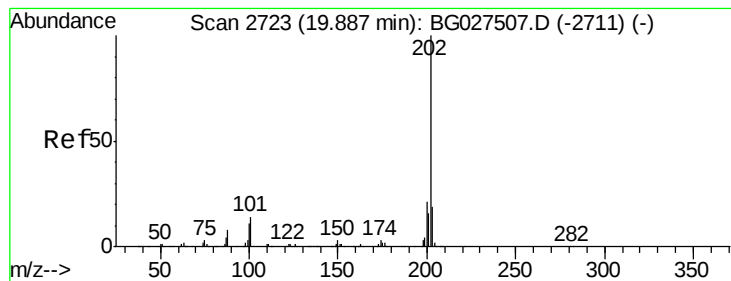
Tgt Ion:178 Resp: 3224509
 Ion Ratio Lower Upper
 178 100
 179 21.6 12.6 19.0#
 176 25.3 15.9 23.9#



#72
 Carbazole
 Concen: 97.892 ng/ul
 RT: 18.27 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BG027515.D
 Acq: 17 Jun 2017 20:29

Tgt Ion:167 Resp: 1587433
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.9 26.9
 139 15.5 10.5 15.7





#74

Fluoranthene

Concen: 347.172 ng/ul

RT: 19.92 min Scan# 2729

Delta R.T. 0.03 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

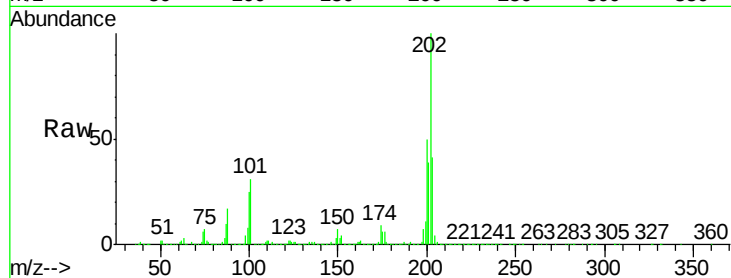
Tgt Ion:202 Resp: 7243096

Ion Ratio Lower Upper

202 100

101 30.8 6.2 9.2#

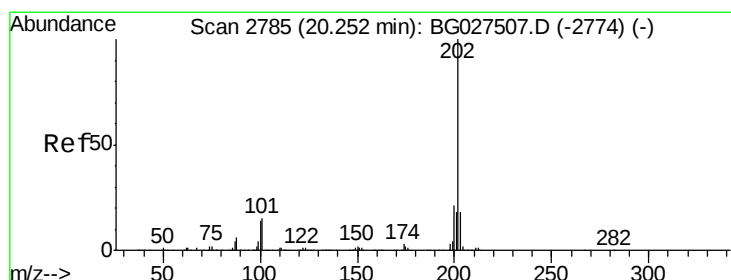
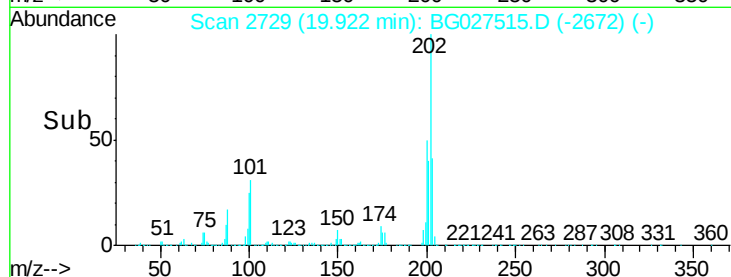
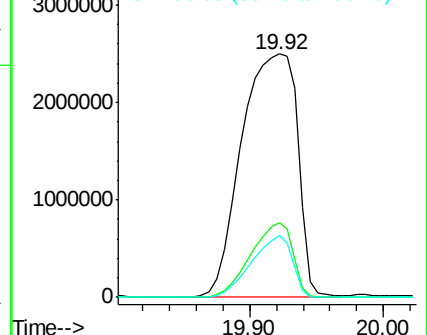
100 25.2 5.2 7.8#



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: 241.837 ng/ul

RT: 20.28 min Scan# 2790

Delta R.T. 0.03 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

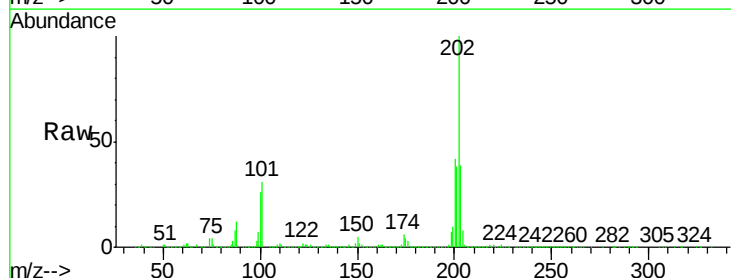
Tgt Ion:202 Resp: 6145031

Ion Ratio Lower Upper

202 100

101 30.9 6.9 10.3#

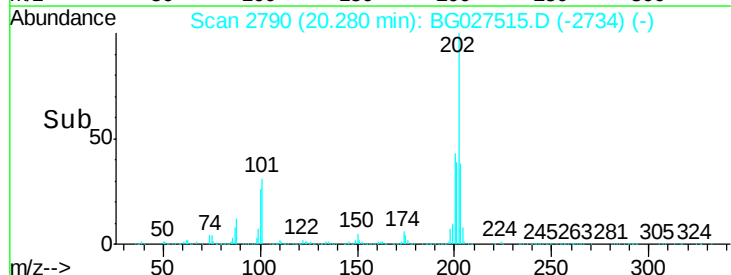
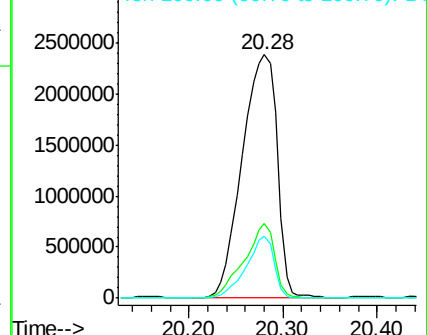
100 25.6 6.6 10.0#

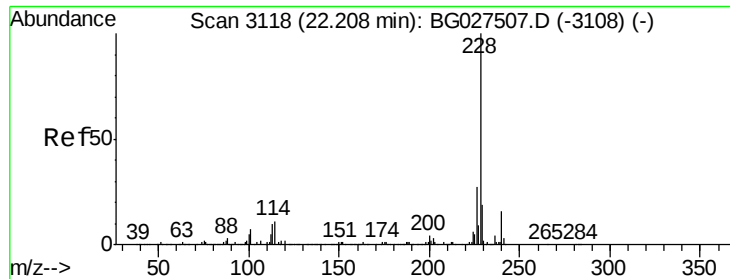


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 125.915 ng/u1

RT: 22.23 min Scan# 3121

Delta R.T. 0.02 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

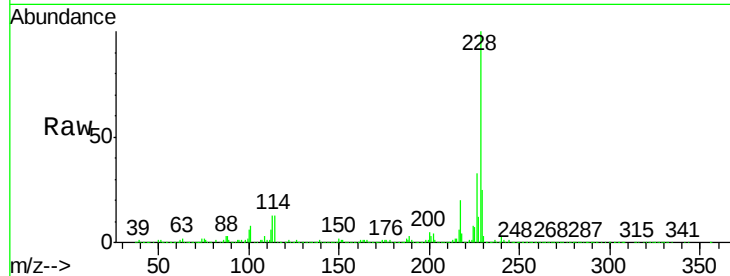
Tgt Ion:228 Resp: 3014212

Ion Ratio Lower Upper

228 100

229 25.2 16.3 24.5#

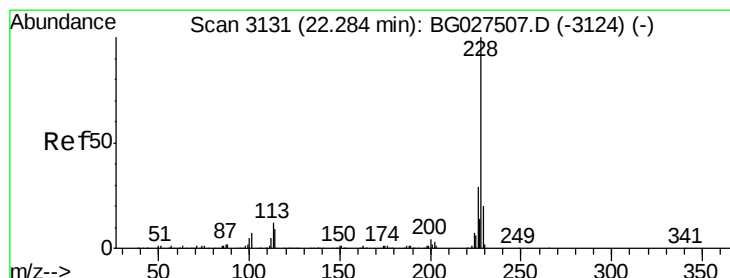
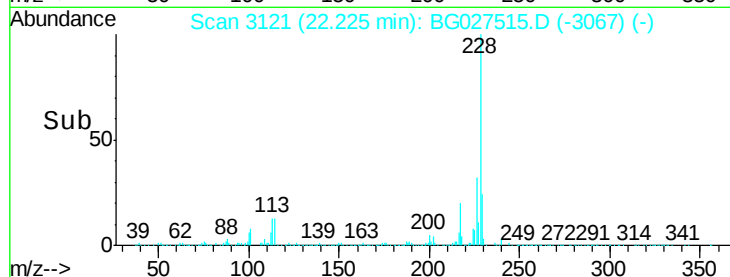
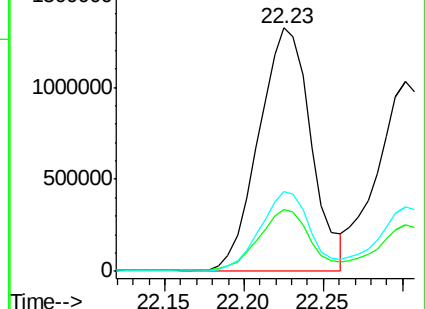
226 32.6 21.9 32.9



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: 105.439 ng/u1

RT: 22.30 min Scan# 3134

Delta R.T. 0.02 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

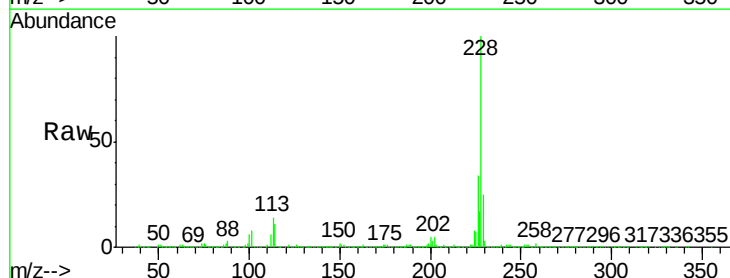
Tgt Ion:228 Resp: 2279577

Ion Ratio Lower Upper

228 100

226 33.9 24.0 36.0

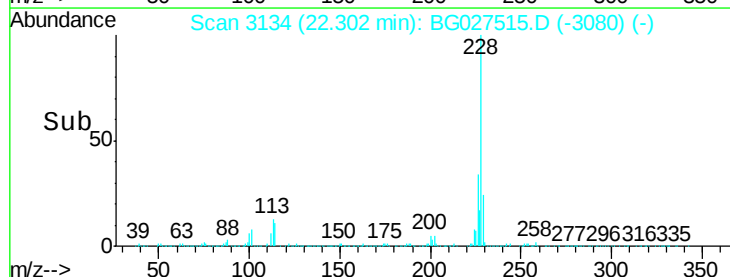
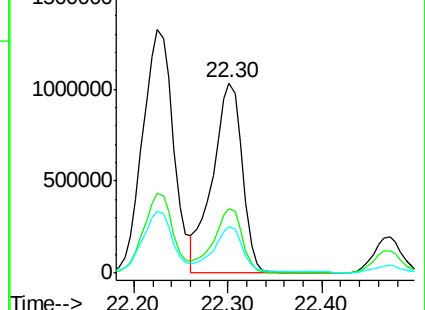
229 24.7 16.9 25.3

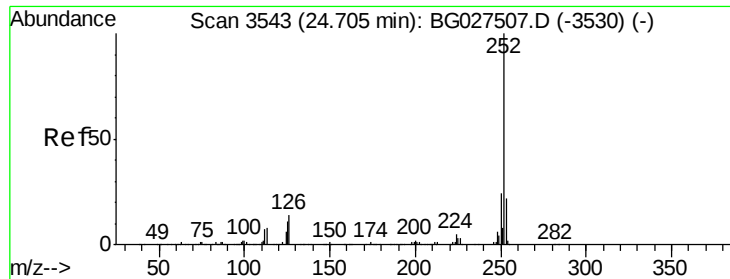


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 74.288 ng/ul

RT: 24.74 min Scan# 3549

Delta R.T. 0.03 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

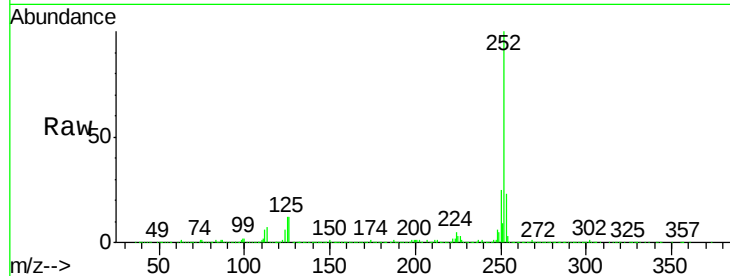
Tgt Ion:252 Resp: 1681943

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

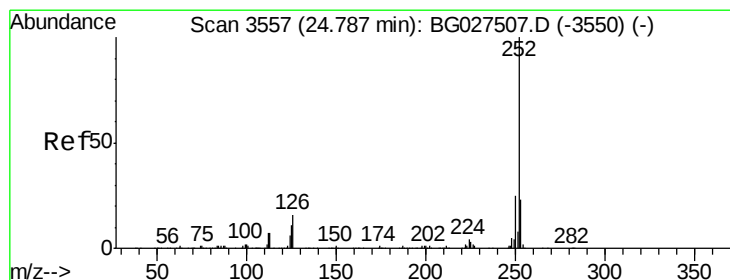
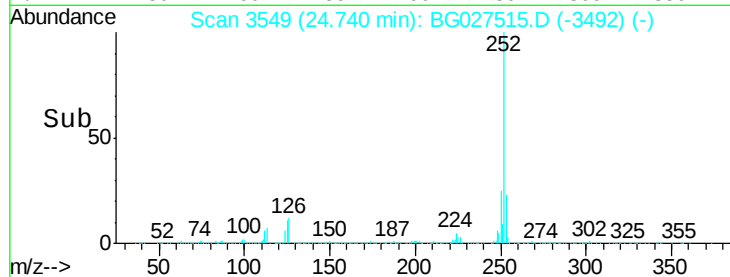
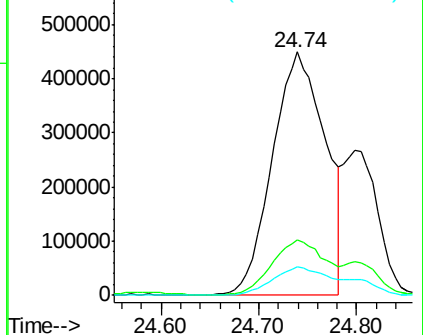
125 11.6 4.0 6.0#



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: 25.746 ng/ul

RT: 24.80 min Scan# 3559

Delta R.T. 0.01 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

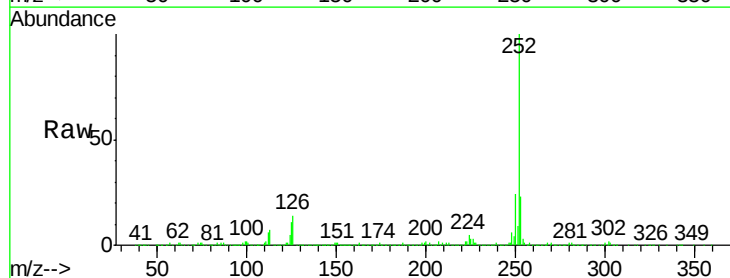
Tgt Ion:252 Resp: 560299

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

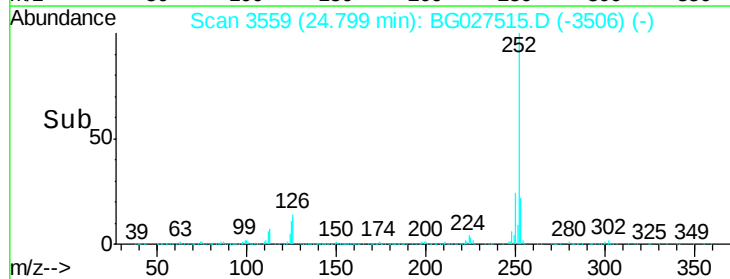
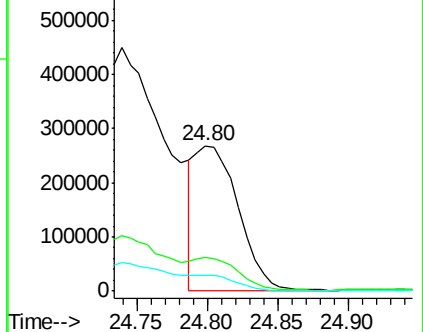
125 11.0 4.1 6.1#

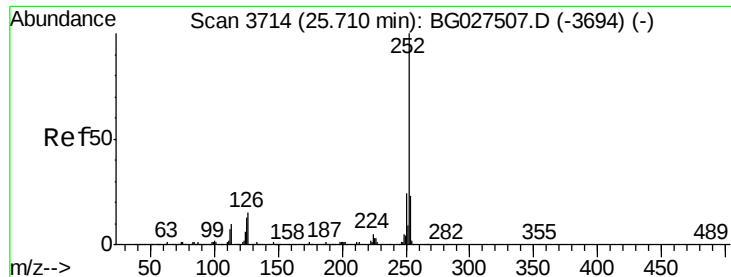


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 48.494 ng/u1

RT: 25.73 min Scan# 3718

Delta R.T. 0.02 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

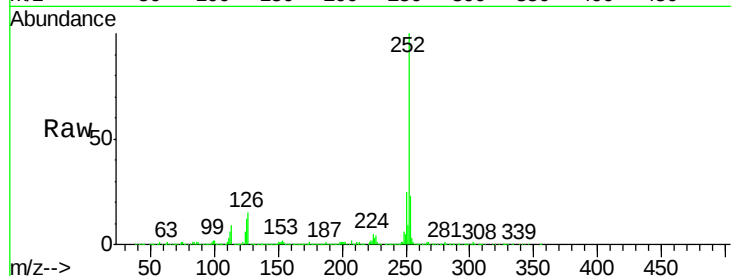
Tgt Ion:252 Resp: 1054182

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

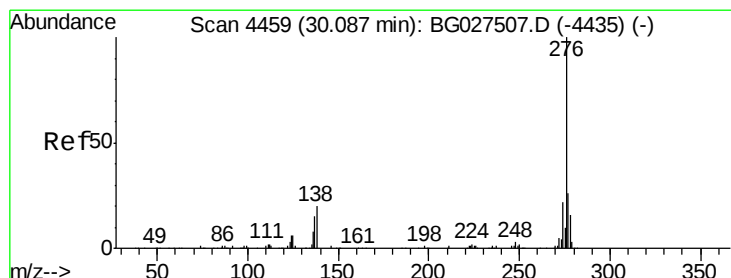
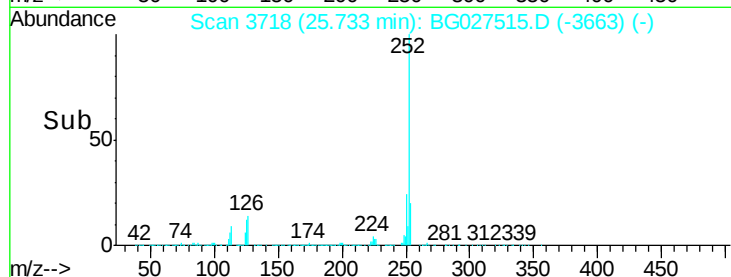
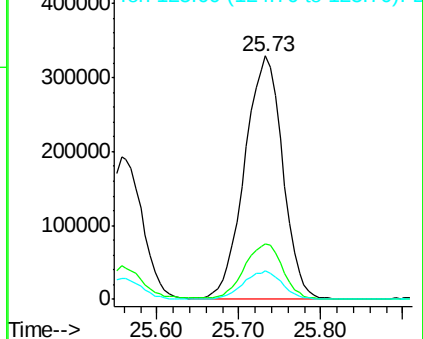
125 12.0 5.4 8.0#



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: 14.182 ng/u1

RT: 30.10 min Scan# 4461

Delta R.T. 0.01 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

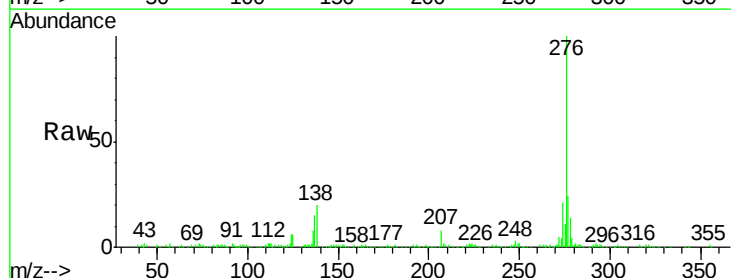
Tgt Ion:276 Resp: 351948

Ion Ratio Lower Upper

276 100

138 20.0 8.2 12.4#

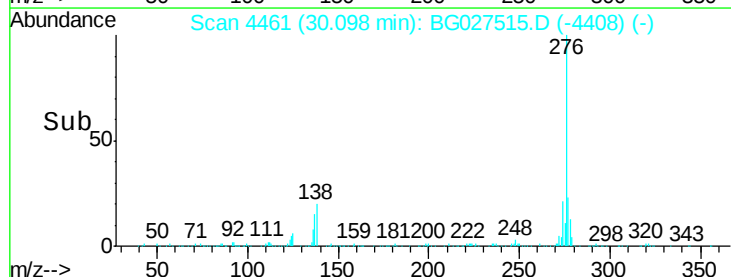
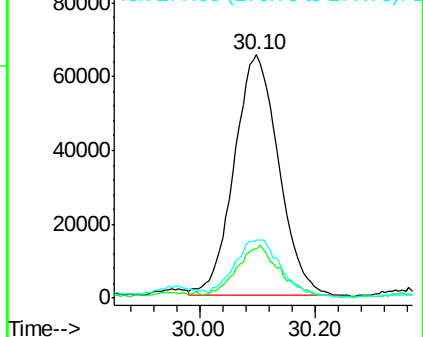
277 24.0 18.6 28.0

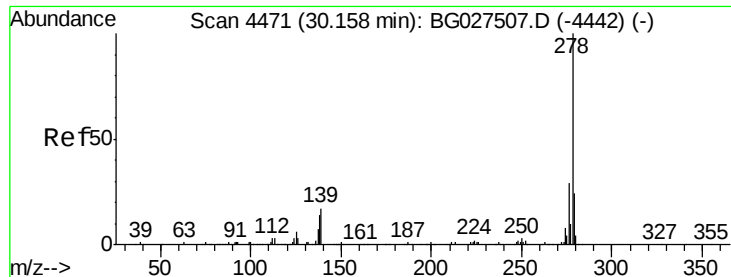


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.963 ng/ul

RT: 30.15 min Scan# 4470

Delta R.T. -0.01 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

Instrument :

BNA_G

ClientSampleId :

F5D77

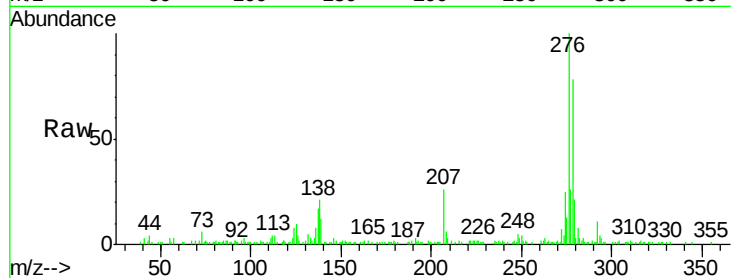
Tgt Ion:278 Resp: 105736

Ion Ratio Lower Upper

278 100

139 14.9 6.7 10.1#

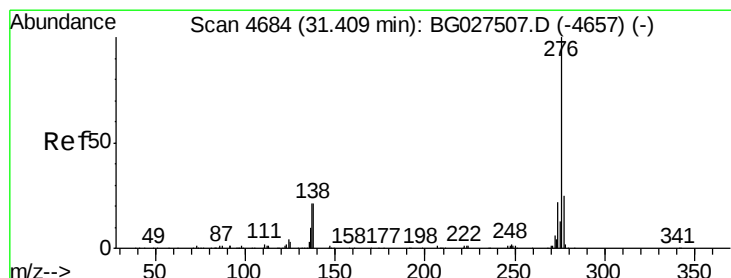
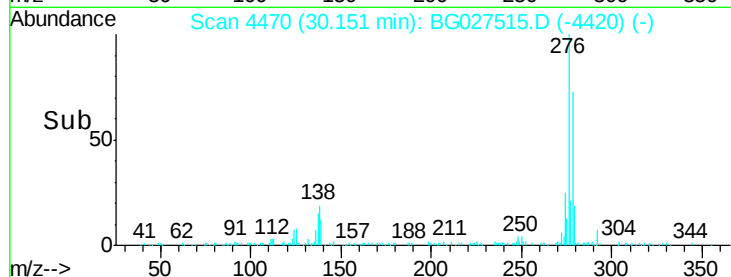
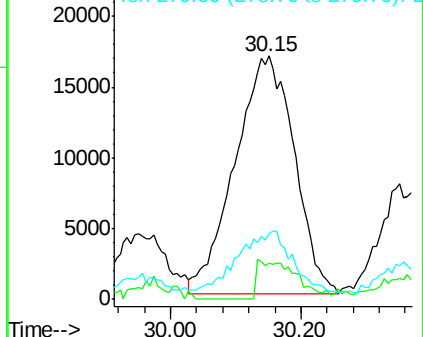
279 27.2 20.9 31.3



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: 11.534 ng/ul

RT: 31.43 min Scan# 4687

Delta R.T. 0.02 min

Lab File: BG027515.D

Acq: 17 Jun 2017 20:29

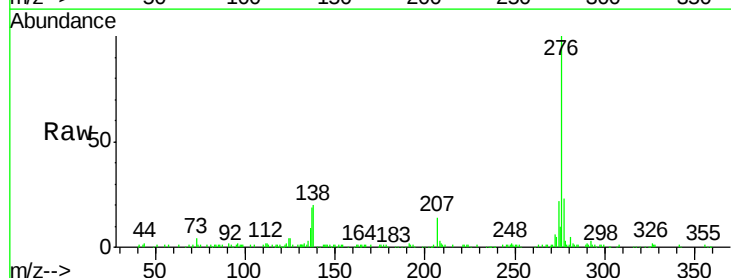
Tgt Ion:276 Resp: 234348

Ion Ratio Lower Upper

276 100

138 20.1 8.6 12.8#

277 23.5 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

