

Data File : BG027517.D
Acq On : 17 Jun 2017 21:48
Operator : SJ/MA
Sample : I3599-13 20X
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B27

Quant Time: Jun 19 01:54:39 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	51665	20.00	ng/ul	0.00
18) Naphthalene-d8	11.35	136	259912	20.00	ng/ul	0.01
35) Acenaphthene-d10	15.11	164	167477	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.87	188	335462	20.00	ng/ul	0.01
75) Chrysene-d12	22.24	240	401862	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	362177	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.65	99	4408	0.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	3779	0.99	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	3244	0.88	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	3541	0.81	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	4321	2.29	ng/ul	0.02
22) 2-Nitrophenol-d4	10.41	143	2003	1.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	3312	0.87	ng/ul	0.00
29) 4-Chloroaniline-d4	11.48	131	24896	5.19	ng/ul	0.01
43) Dimethylphthalate-d6	14.50	166	15523	1.11	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	15552	0.96	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	2750	1.00	ng/ul	0.02
57) Fluorene-d10	16.10	176	14763	1.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.23	200	1016	0.49	ng/ul	0.03
70) Anthracene-d10	17.97	188	18762	1.20	ng/ul	0.01
76) Pyrene-d10	20.23	212	21804	1.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	16143	0.99	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	7.66	77	3400	1.04	ng/ul#	1
6) Phenol	7.68	94	5976	1.02	ng/ul	89
8) Bis(2-Chloroethyl)ether	7.97	93	37064	8.58	ng/ul#	15
16) 4-Methylphenol	9.26	108	11272	2.42	ng/ul	97
17) Hexachloroethane	9.62	117	11740	8.22	ng/ul#	1
24) 2,4-Dimethylphenol	10.48	107	17834	3.40	ng/ul#	92
25) Bis(2-Chloroethoxy)methane	10.74	93	6530	1.01	ng/ul#	1
28) Naphthalene	11.43	128	9866893	738.71	ng/ul#	46
30) 4-Chloroaniline	11.43	127	2719257	574.42	ng/ul#	32
34) 2-Methylnaphthalene	12.97	142	3808682	384.52	ng/ul	90
40) 1,1'-Biphenyl	13.94	154	1131227	85.38	ng/ul#	93
42) 2-Nitroaniline	14.13	65	8806	2.34	ng/ul#	34
47) Acenaphthylene	14.83	152	229296	14.17	ng/ul#	93
49) Acenaphthene	15.18	153	2891576	256.15	ng/ul#	95
53) Dibenzofuran	15.51	168	3111089	189.09	ng/ul	89
54) 2,4-Dinitrotoluene	15.41	165	29199	7.37	ng/ul#	85
58) Fluorene	16.16	166	3116501	228.26	ng/ul#	98
60) 4-Nitroaniline	16.16	138	46994	13.66	ng/ul#	1
64) N-Nitrosodiphenylamine	16.31	169	24675	2.56	ng/ul#	1
69) Phenanthrene	18.01	178	2129076	118.10	ng/ul	95
71) Anthracene	18.01	178	2129076	116.15	ng/ul	95
72) Carbazole	18.26	167	1038337	65.86	ng/ul	96
74) Fluoranthene	19.91	202	5336511	263.10	ng/ul#	56

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	20.27	202	4400554	185.25	ng/ul#	63
80) Benzo(a)anthracene	22.22	228	1829705	81.76	ng/ul	95
82) Chrysene	22.29	228	1371057	67.84	ng/ul	95
85) Benzo(b)fluoranthene	24.73	252	953331	44.20	ng/ul#	96
86) Benzo(k)fluoranthene	24.79	252	334148	16.12	ng/ul#	97
88) Benzo(a)pyrene	25.72	252	600609	29.00	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	30.09	276	191903	8.12	ng/ul#	88
90) Dibenzo(a,h)anthracene	30.13	278	57018	2.81	ng/ul#	90
91) Benzo(g,h,i)perylene	31.40	276	121627	6.28	ng/ul#	84

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

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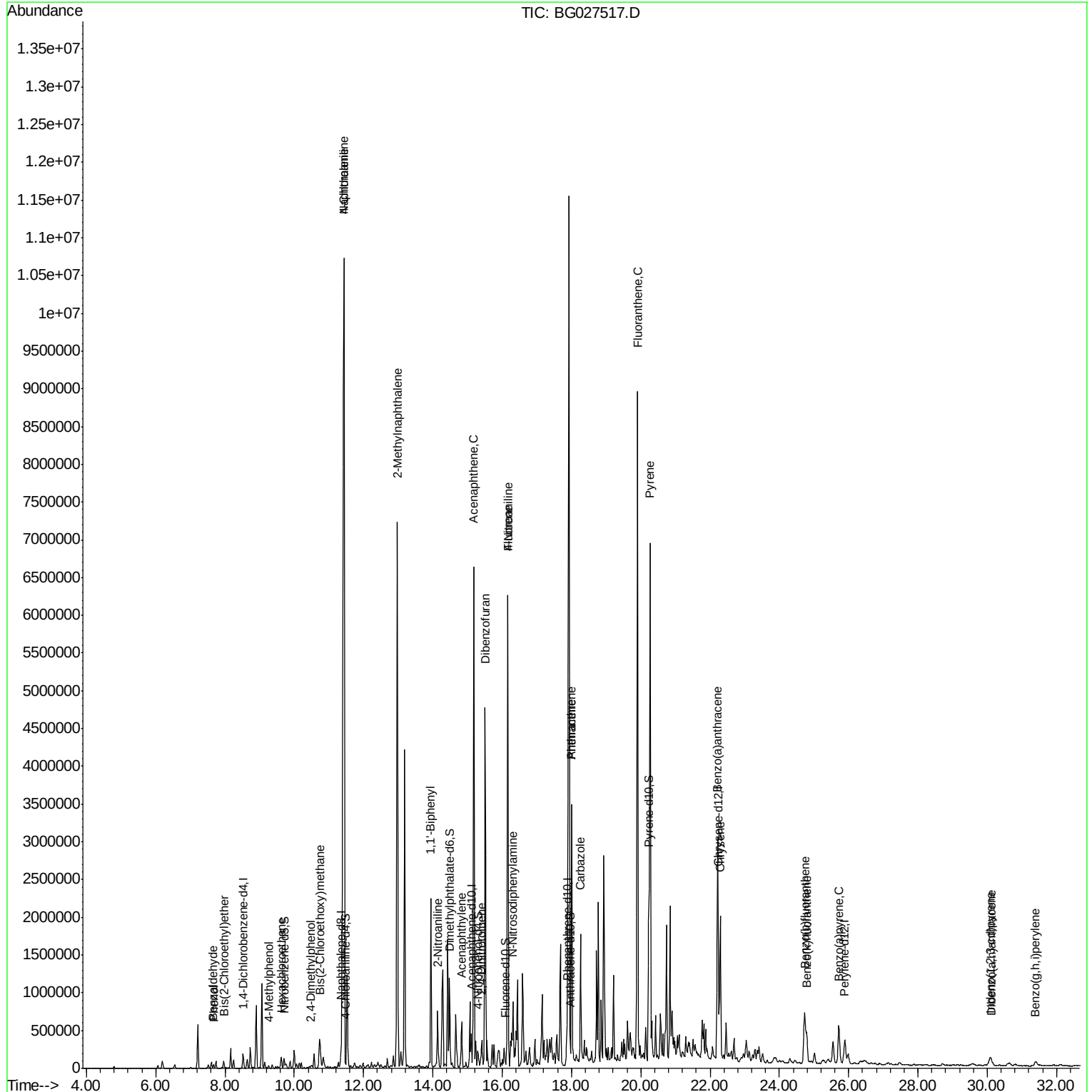
Quant Time: Jun 19 01:54:39 2017

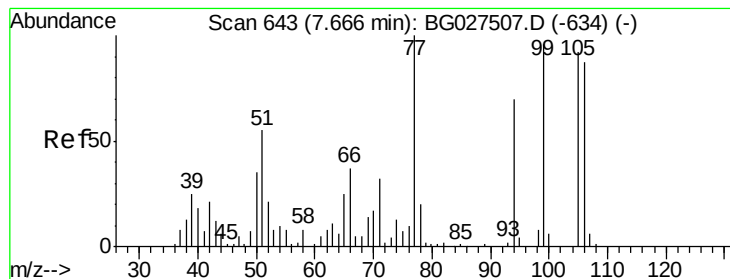
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

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#4

Benzaldehyde

Concen: 1.04 ng/ul

RT: 7.66 min Scan# 642

Delta R.T. -0.00 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

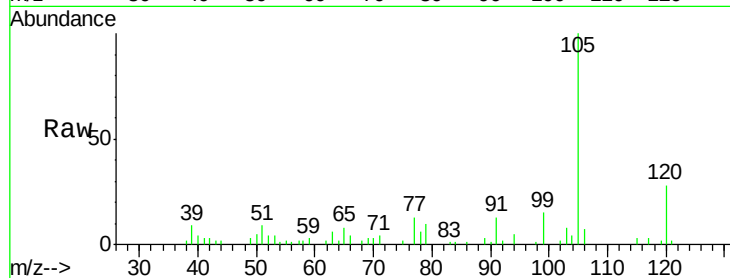
Tgt Ion: 77 Resp: 3400

Ion Ratio Lower Upper

77 100

105 773.3 62.0 93.0#

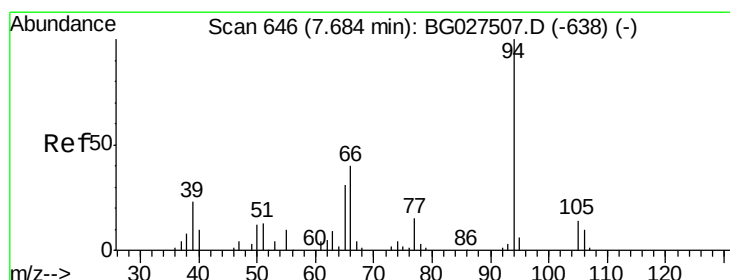
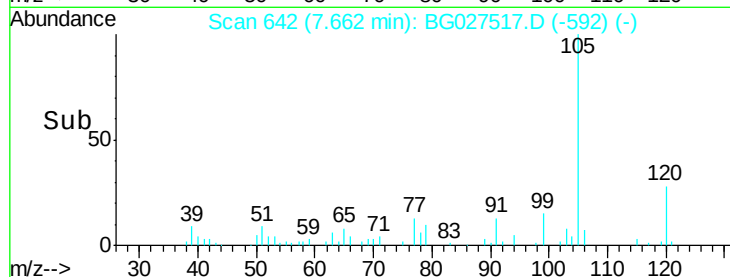
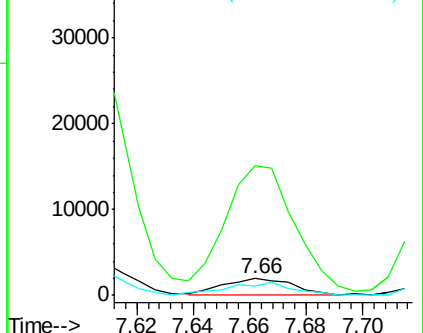
106 54.7 60.2 90.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 1.02 ng/ul

RT: 7.68 min Scan# 645

Delta R.T. -0.00 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

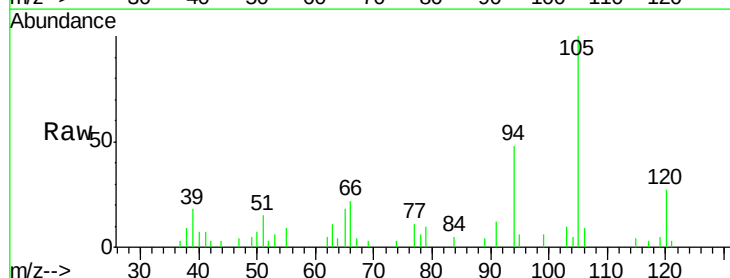
Tgt Ion: 94 Resp: 5976

Ion Ratio Lower Upper

94 100

65 37.3 26.8 40.2

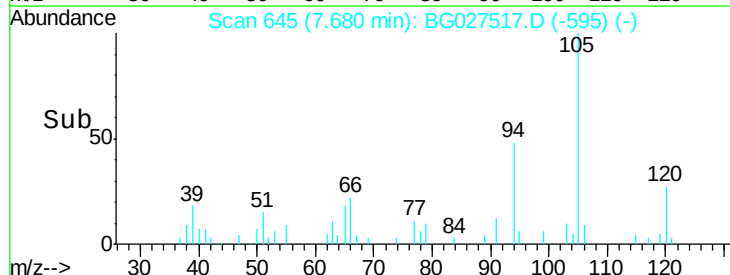
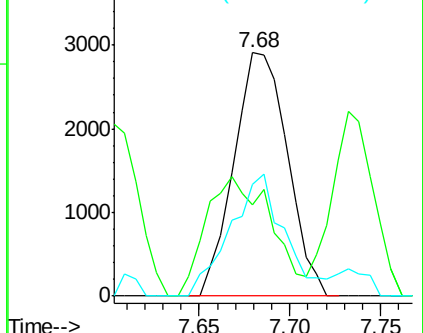
66 45.8 44.4 66.6

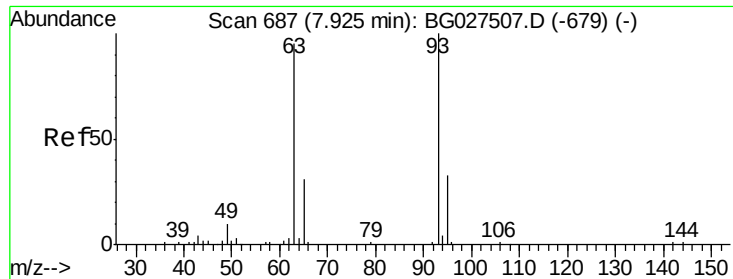


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#8

Bis(2-Chloroethyl)ether

Concen: 8.58 ng/ul

RT: 7.97 min Scan# 694

Delta R.T. 0.04 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampled :

F5B27

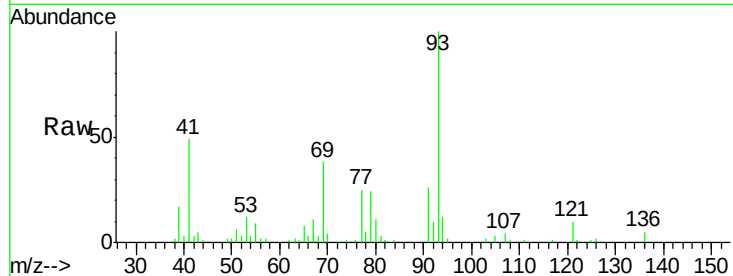
Tgt Ion: 93 Resp: 37064

Ion Ratio Lower Upper

93 100

63 1.7 75.5 113.3#

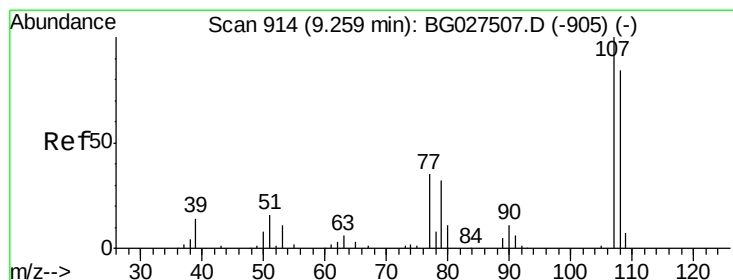
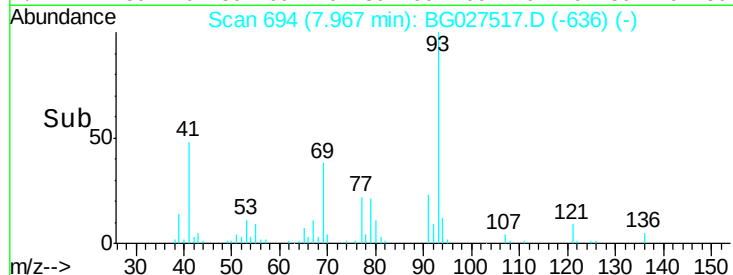
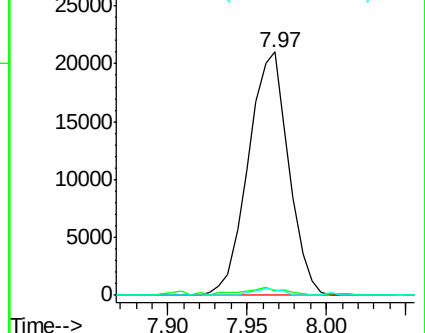
95 2.5 29.2 43.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#16

4-Methylphenol

Concen: 2.42 ng/ul

RT: 9.26 min Scan# 914

Delta R.T. 0.00 min

Lab File: BG027517.D

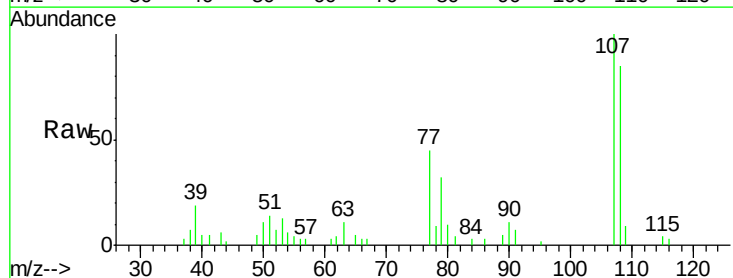
Acq: 17 Jun 2017 21:48

Tgt Ion: 108 Resp: 11272

Ion Ratio Lower Upper

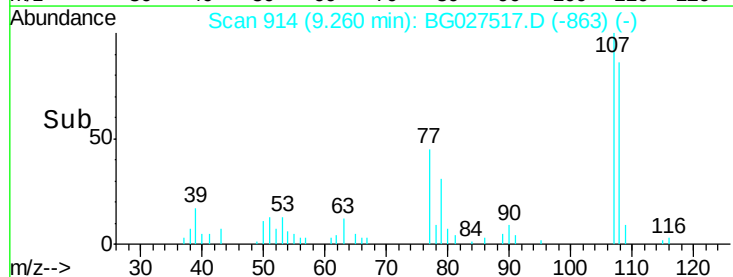
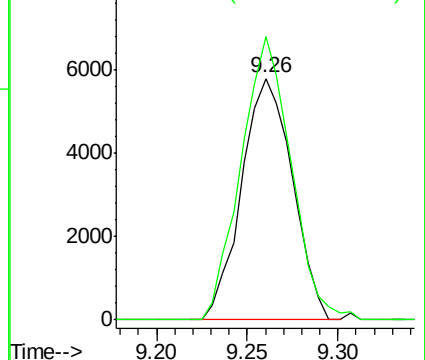
108 100

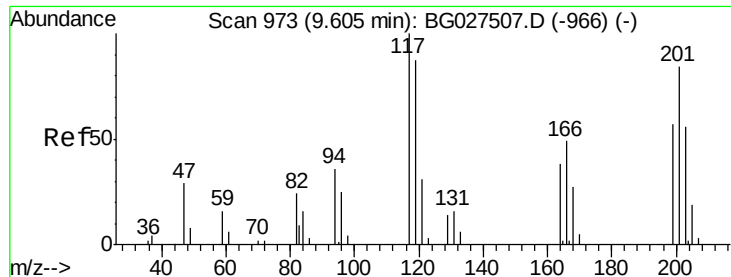
107 117.3 91.7 137.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#17

Hexachloroethane

Concen: 8.22 ng/ul

RT: 9.62 min Scan# 975

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

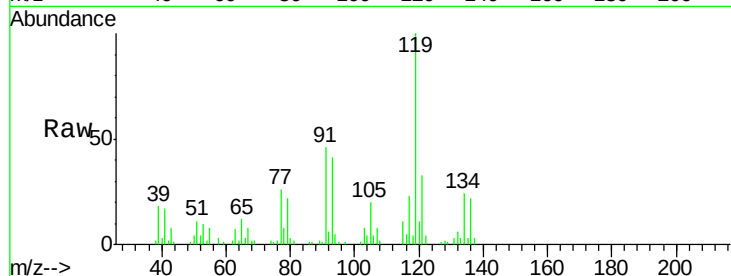
Tgt Ion:117 Resp: 11740

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

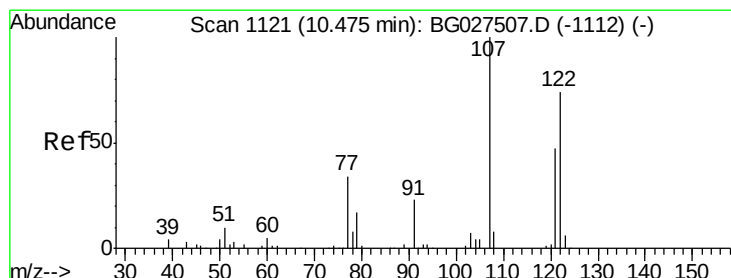
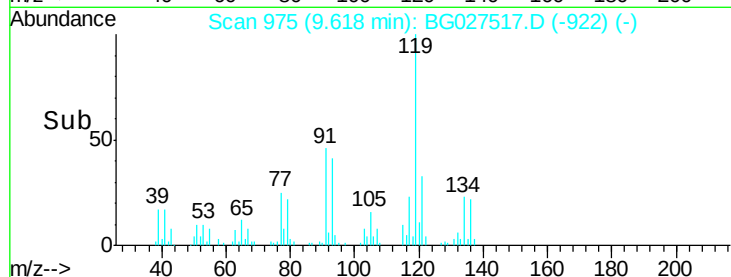
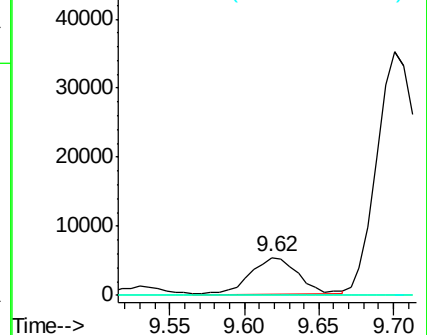
199 0.0 64.3 96.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#24

2,4-Dimethylphenol

Concen: 3.40 ng/ul

RT: 10.48 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

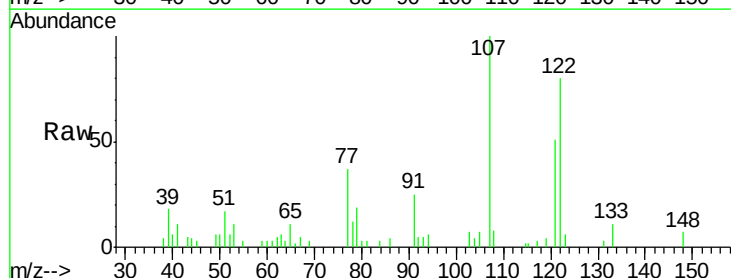
Tgt Ion:107 Resp: 17834

Ion Ratio Lower Upper

107 100

121 50.5 32.3 48.5#

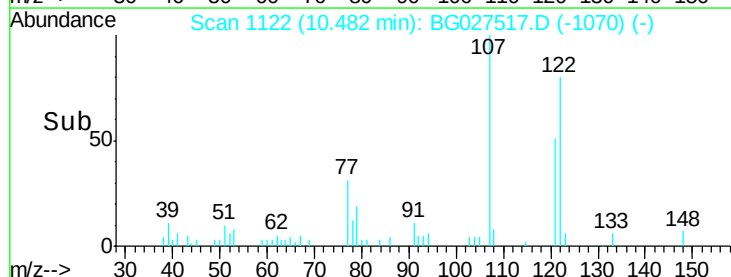
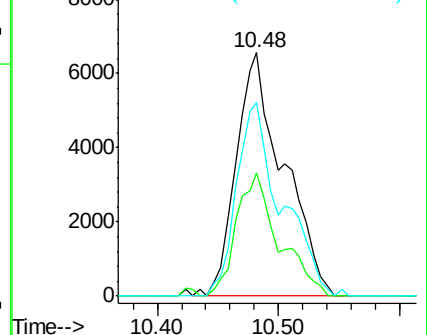
122 79.7 61.2 91.8

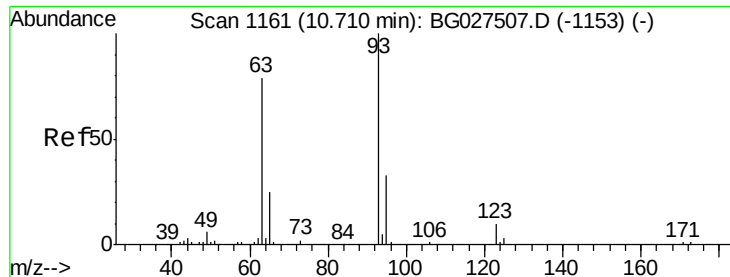


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E





#25

Bis(2-Chloroethoxy)methane

Concen: 1.01 ng/ul

RT: 10.74 min Scan# 1166

Delta R.T. 0.03 min

Lab File: BG027517.D

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Instrument :

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ClientSampleId :

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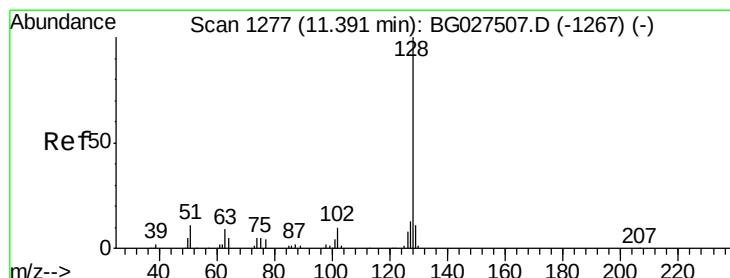
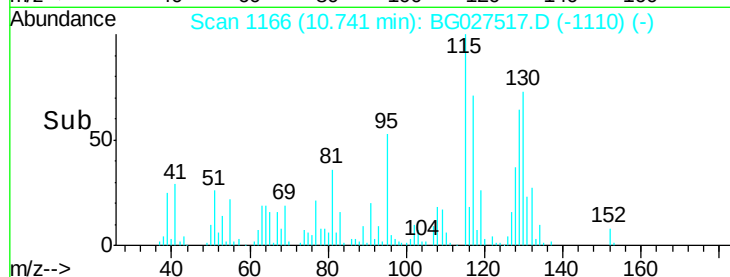
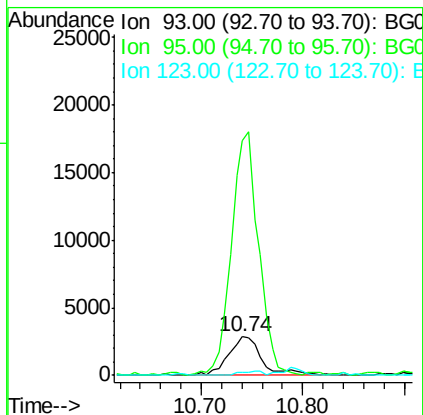
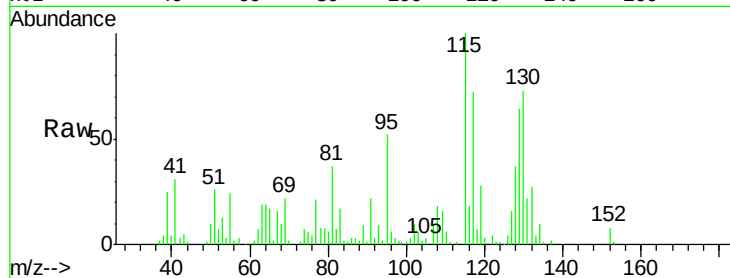
Tgt Ion: 93 Resp: 6530

Ion Ratio Lower Upper

93 100

95 608.8 23.4 35.0#

123 6.2 7.8 11.6#



#28

Naphthalene

Concen: 738.71 ng/ul

RT: 11.43 min Scan# 1284

Delta R.T. 0.04 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

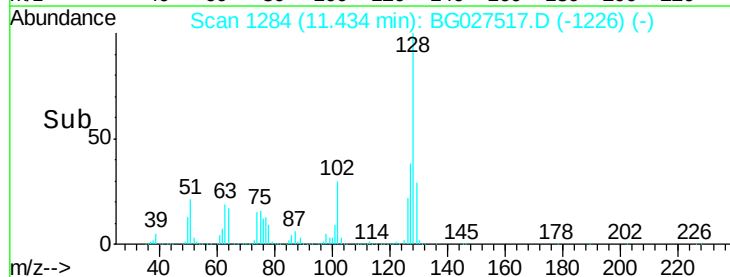
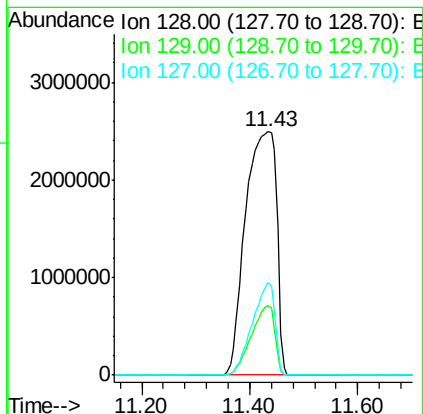
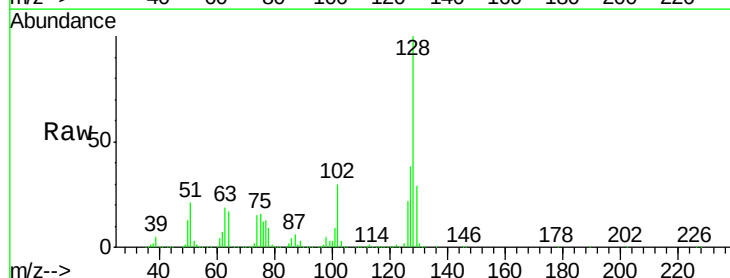
Tgt Ion: 128 Resp: 9866893

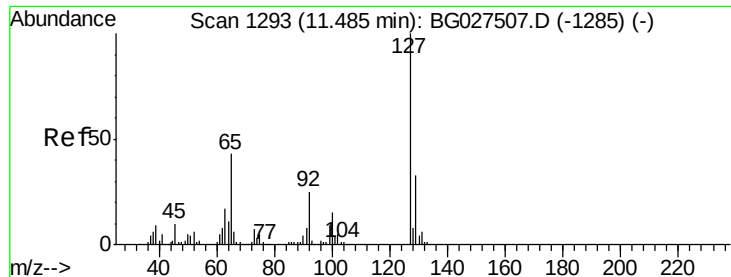
Ion Ratio Lower Upper

128 100

129 28.8 9.4 14.2#

127 38.0 10.3 15.5#

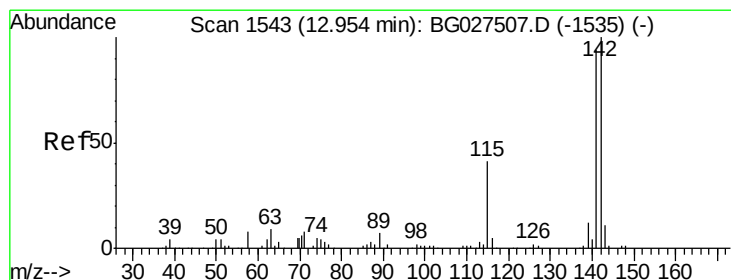
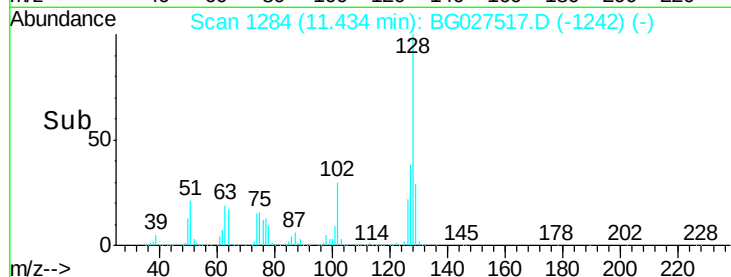
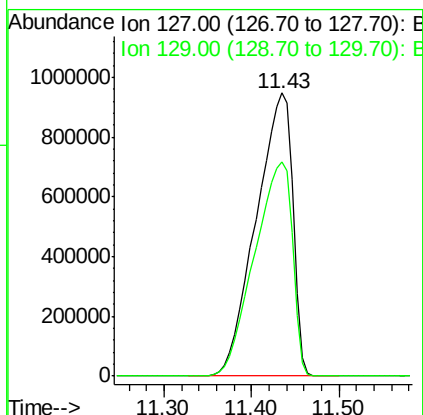
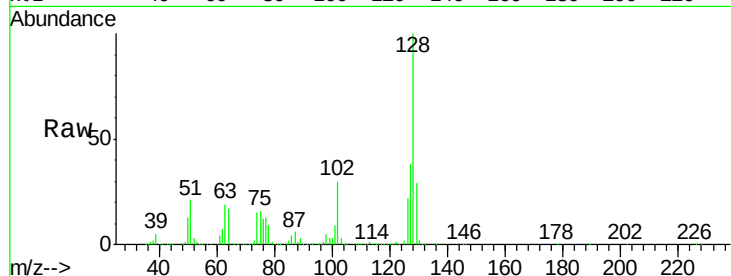




#30
4-Chloroaniline
Concen: 574.42 ng/ul
RT: 11.43 min Scan# 1284
Delta R.T. -0.05 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

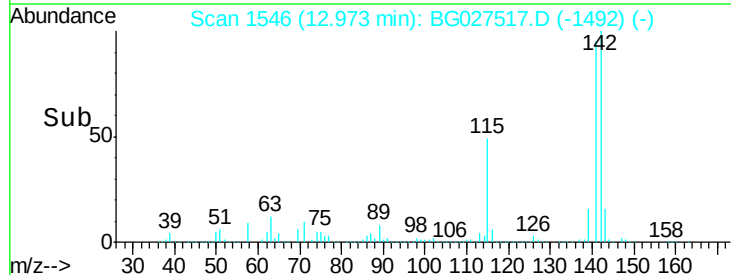
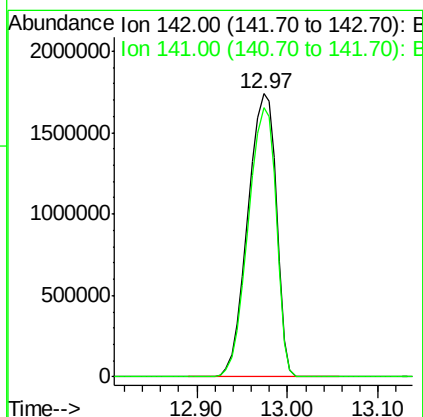
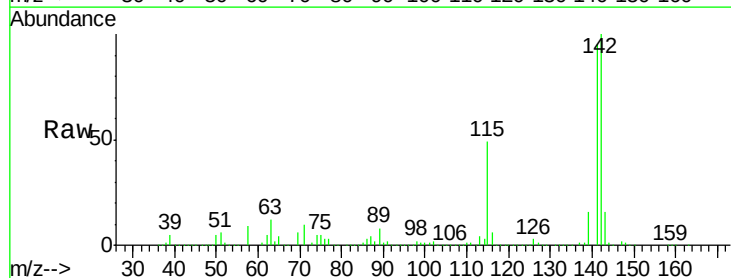
Instrument :
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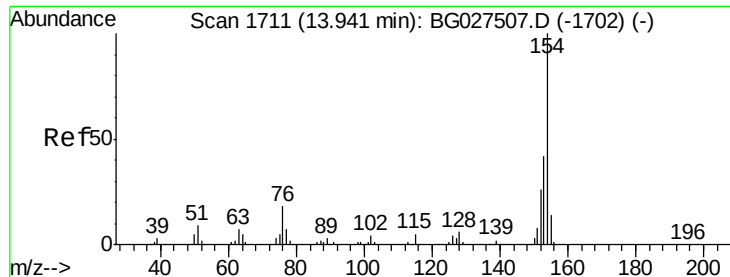
Tgt Ion:127 Resp: 2719257
Ion Ratio Lower Upper
127 100
129 75.9 28.9 43.3#



#34
2-Methylnaphthalene
Concen: 384.52 ng/ul
RT: 12.97 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion:142 Resp: 3808682
Ion Ratio Lower Upper
142 100
141 95.1 68.6 102.8





#40

1,1'-Biphenyl

Concen: 85.38 ng/ul

RT: 13.94 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

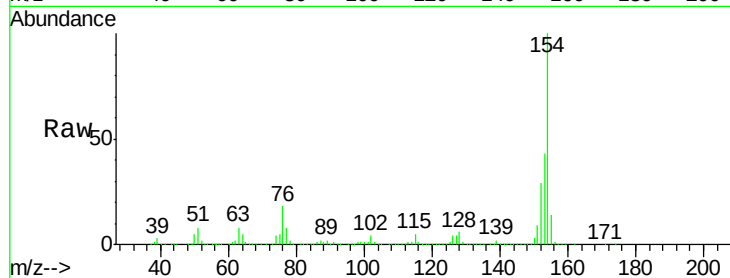
Tgt Ion:154 Resp: 1131227

Ion Ratio Lower Upper

154 100

153 43.0 32.2 48.2

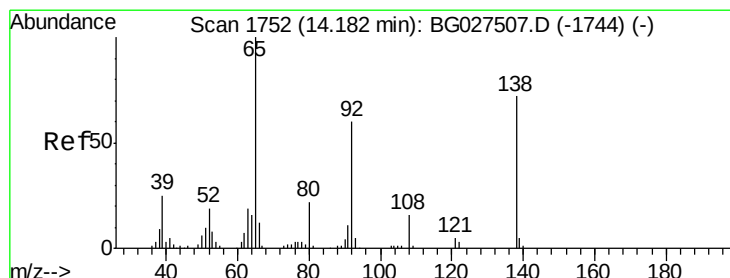
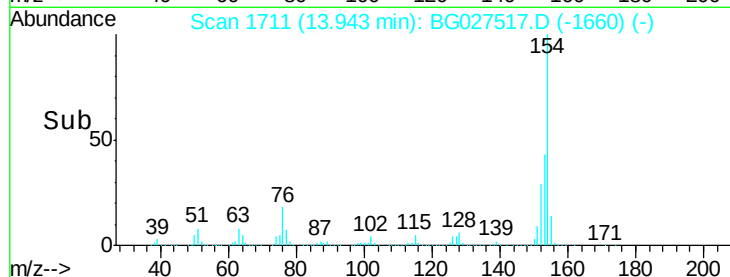
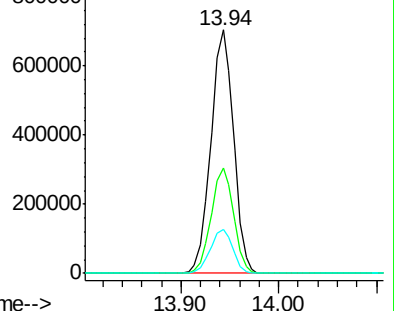
76 18.0 9.6 14.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#42

2-Nitroaniline

Concen: 2.34 ng/ul

RT: 14.13 min Scan# 1743

Delta R.T. -0.05 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

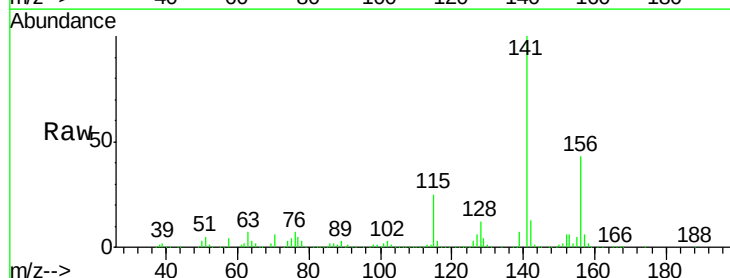
Tgt Ion: 65 Resp: 8806

Ion Ratio Lower Upper

65 100

92 8.5 50.9 76.3#

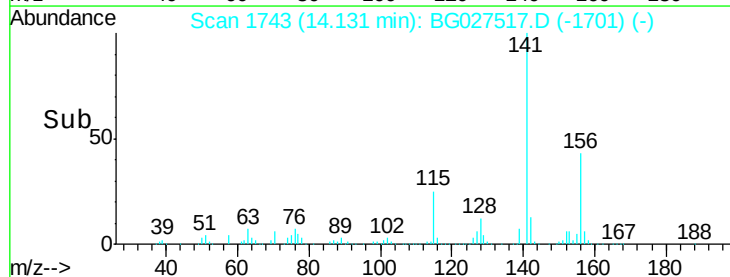
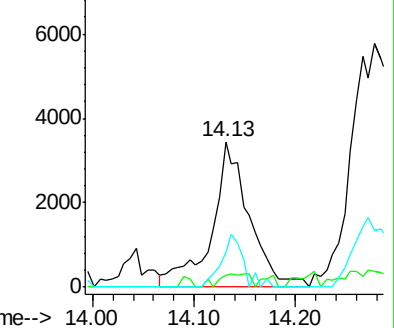
138 23.7 61.8 92.6#

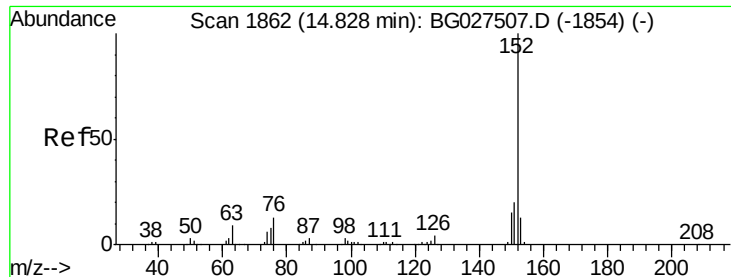


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#47

Acenaphthylene

Concen: 14.17 ng/ul

RT: 14.83 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

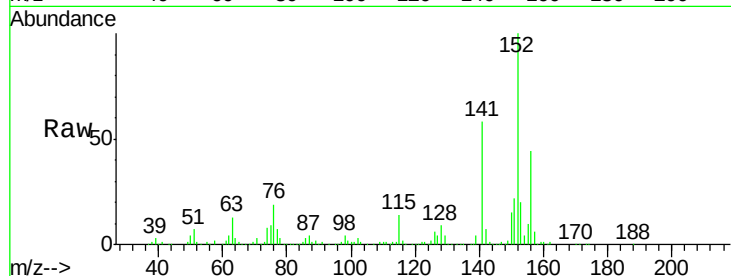
Tgt Ion:152 Resp: 229296

Ion Ratio Lower Upper

152 100

151 21.5 16.7 25.1

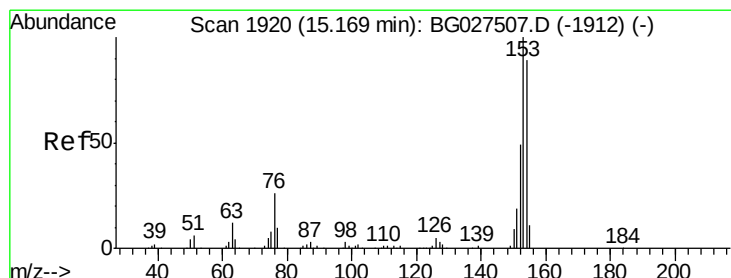
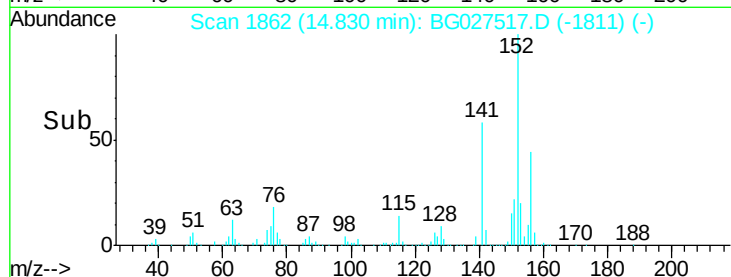
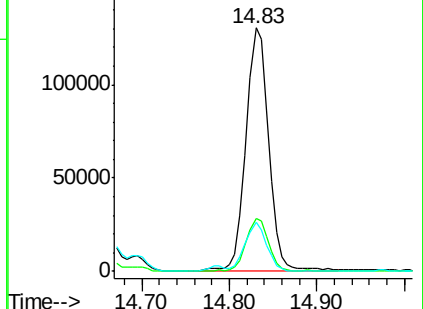
153 20.1 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 256.15 ng/ul

RT: 15.18 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

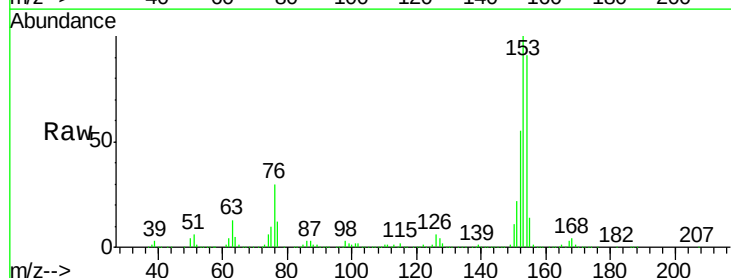
Tgt Ion:153 Resp: 2891576

Ion Ratio Lower Upper

153 100

152 54.9 36.5 54.7#

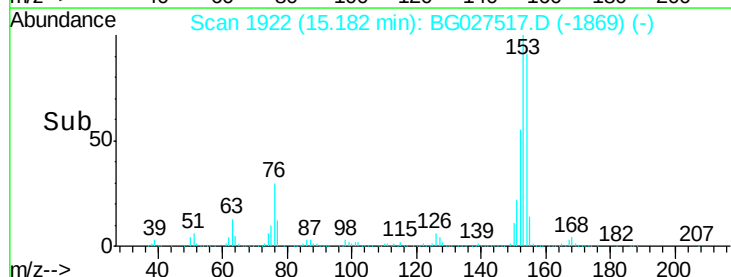
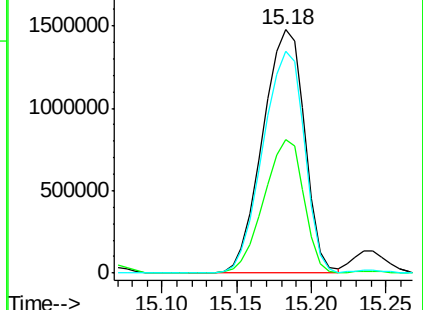
154 91.2 72.3 108.5

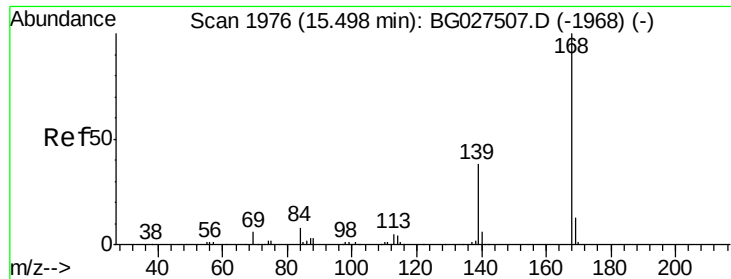


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 189.09 ng/ul

RT: 15.51 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

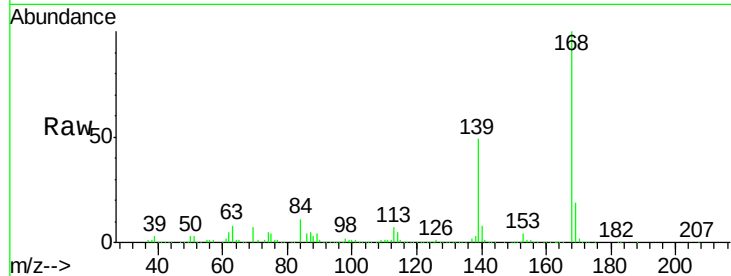
F5B27

Tgt Ion:168 Resp: 3111089

Ion Ratio Lower Upper

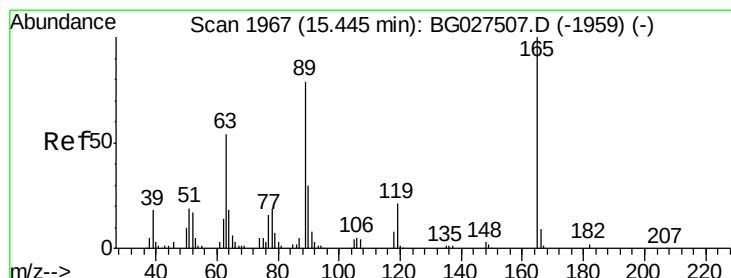
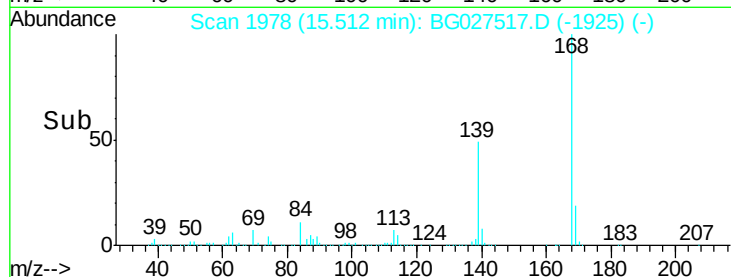
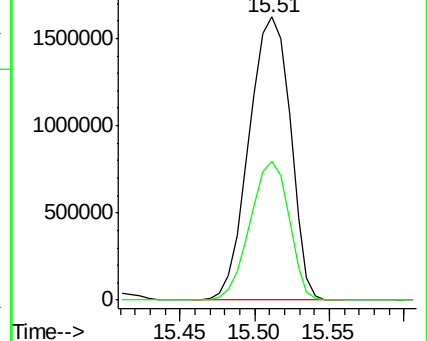
168 100

139 49.2 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 7.37 ng/ul

RT: 15.41 min Scan# 1961

Delta R.T. -0.03 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

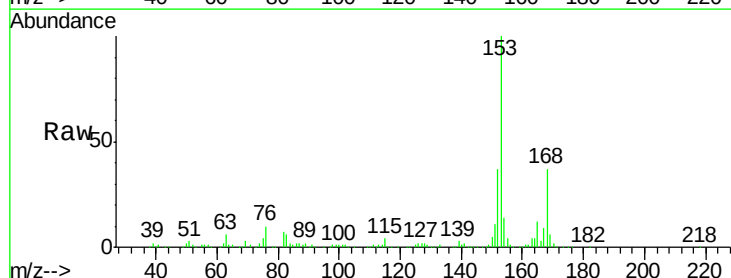
Tgt Ion:165 Resp: 29199

Ion Ratio Lower Upper

165 100

63 46.6 46.8 70.2#

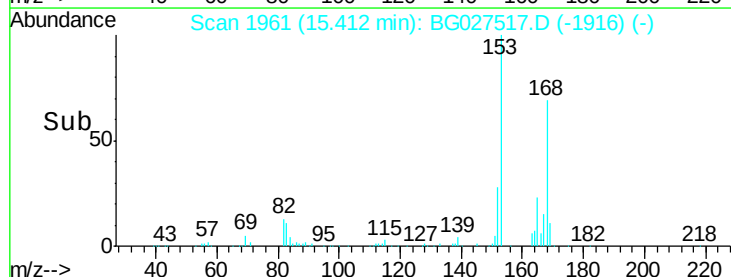
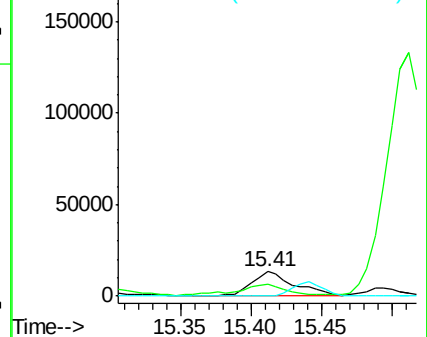
182 1.2 1.8 2.6#

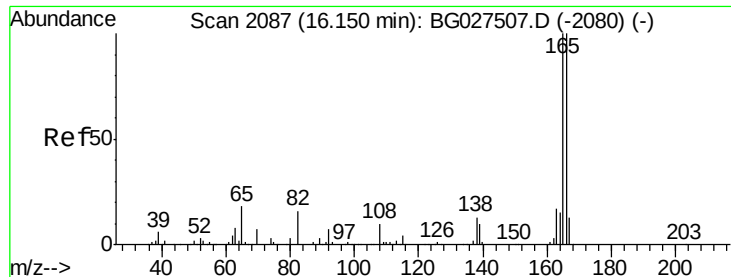


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 228.26 ng/ul

RT: 16.16 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

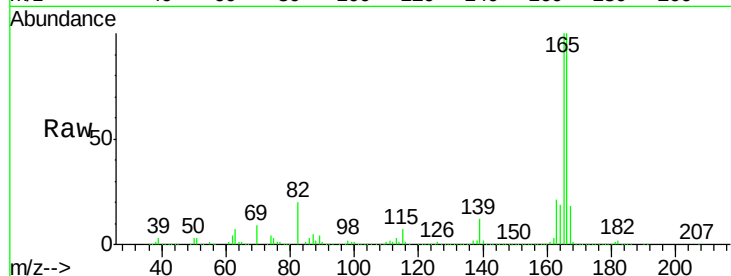
Tgt Ion:166 Resp: 3116501

Ion Ratio Lower Upper

166 100

165 100.3 79.7 119.5

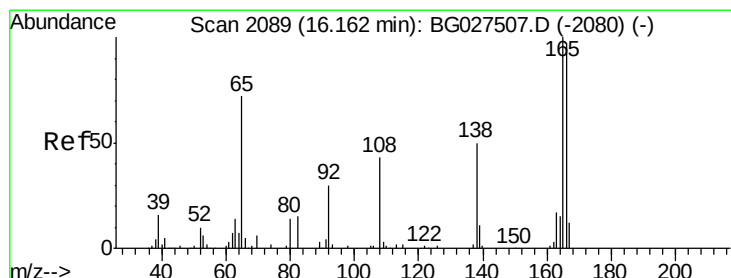
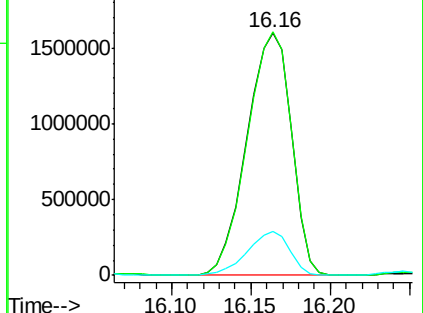
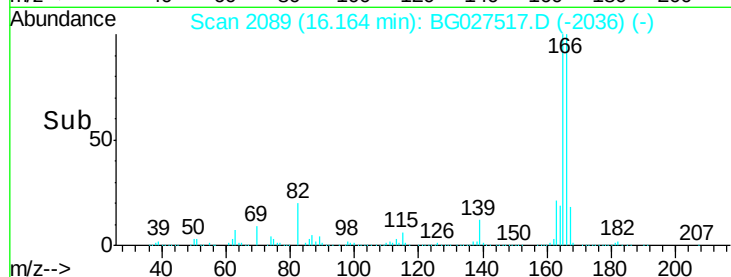
167 18.2 11.4 17.2#



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



#60

4-Nitroaniline

Concen: 13.66 ng/ul

RT: 16.16 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

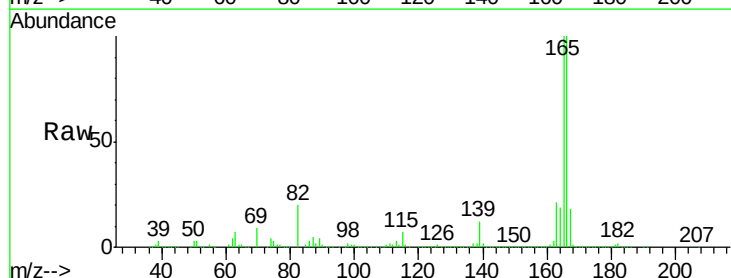
Tgt Ion:138 Resp: 46994

Ion Ratio Lower Upper

138 100

92 2.5 56.9 85.3#

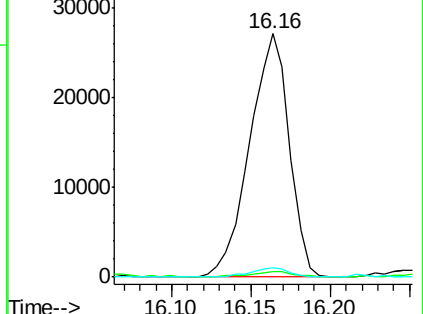
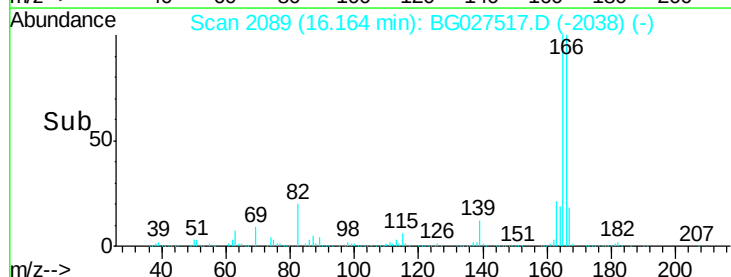
108 3.9 104.9 157.3#

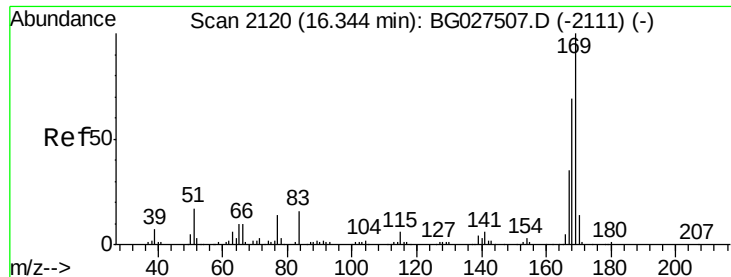


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#64

N-Nitrosodiphenylamine

Concen: 2.56 ng/ul

RT: 16.31 min Scan# 2114

Delta R.T. -0.03 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

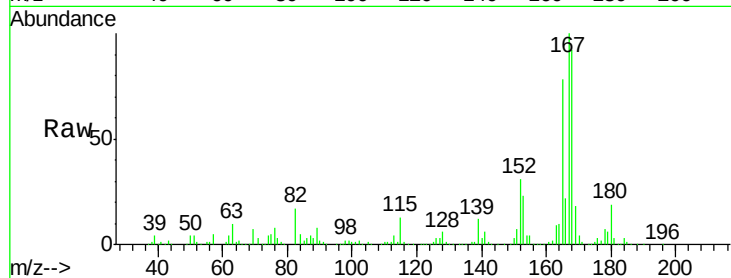
Tgt Ion:169 Resp: 24675

Ion Ratio Lower Upper

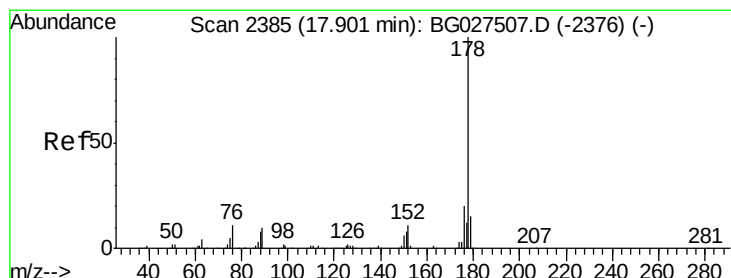
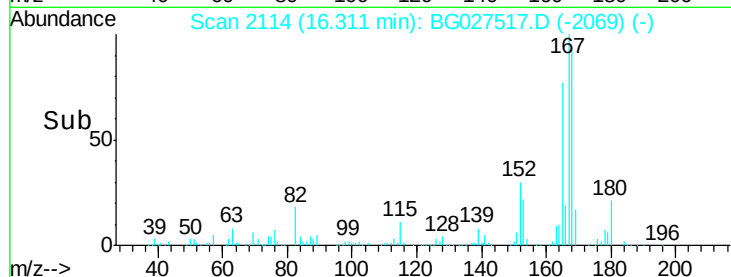
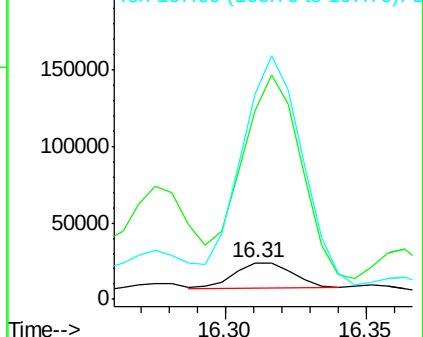
169 100

168 513.8 59.1 88.7#

167 560.4 29.7 44.5#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 118.10 ng/ul

RT: 18.01 min Scan# 2403

Delta R.T. 0.11 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

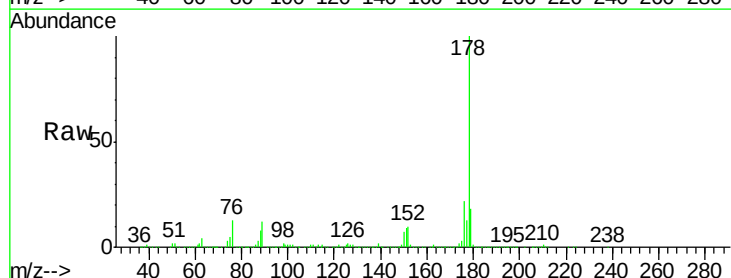
Tgt Ion:178 Resp: 2129076

Ion Ratio Lower Upper

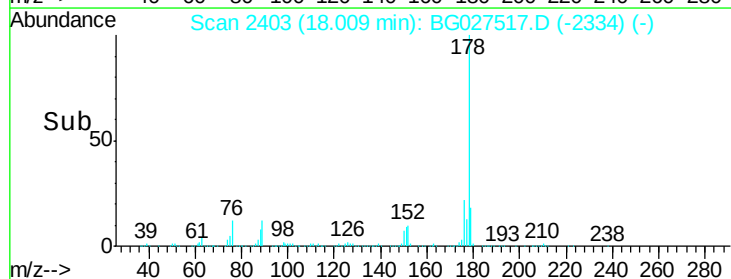
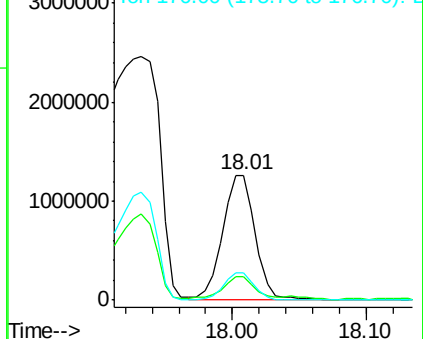
178 100

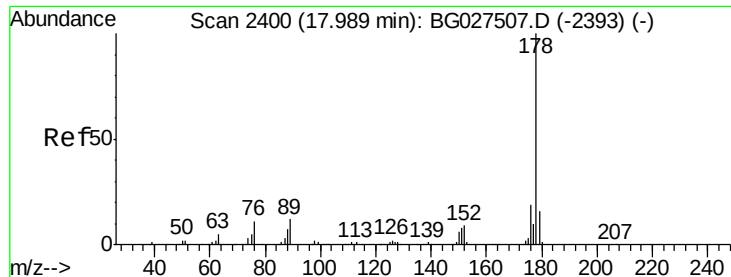
179 18.4 12.4 18.6

176 21.9 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

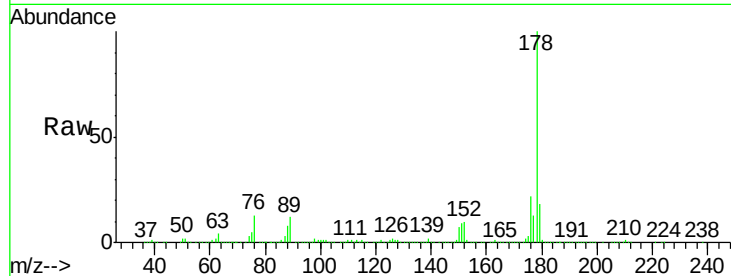




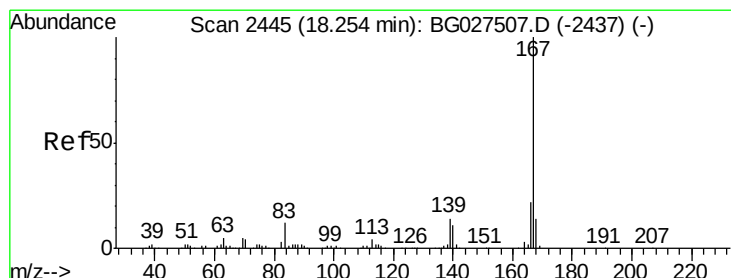
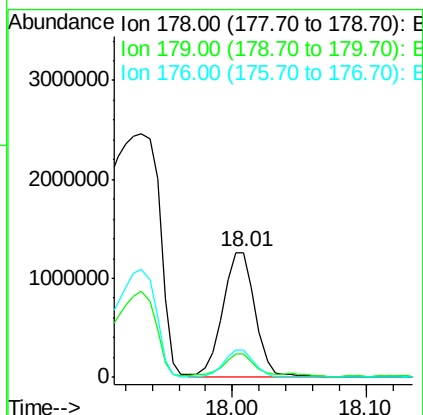
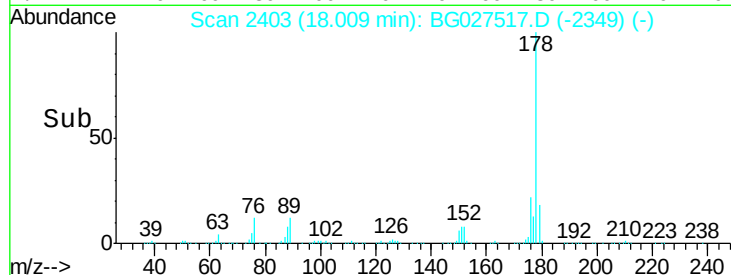
#71
 Anthracene
 Concen: 116.15 ng/ul
 RT: 18.01 min Scan# 2403
 Delta R.T. 0.02 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :
 F5B27

Tgt Ion:178 Resp: 2129076
 Ion Ratio Lower Upper
 178 100
 179 18.4 12.6 19.0
 176 21.9 15.9 23.9

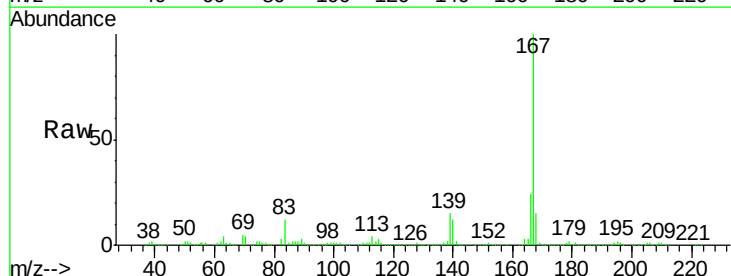


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

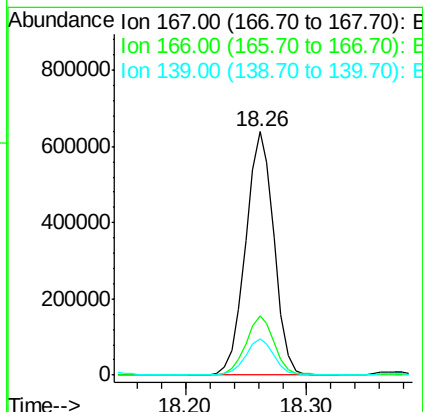
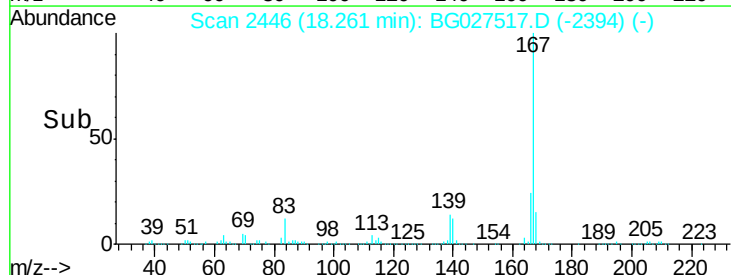


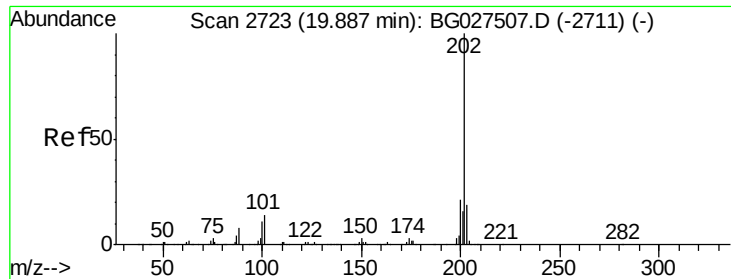
#72
 Carbazole
 Concen: 65.86 ng/ul
 RT: 18.26 min Scan# 2446
 Delta R.T. 0.01 min
 Lab File: BG027517.D
 Acq: 17 Jun 2017 21:48

Tgt Ion:167 Resp: 1038337
 Ion Ratio Lower Upper
 167 100
 166 24.1 17.9 26.9
 139 14.7 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: 263.10 ng/ul

RT: 19.91 min Scan# 2727

Delta R.T. 0.02 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

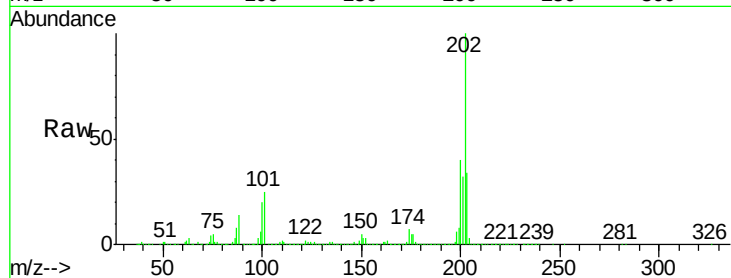
Tgt Ion:202 Resp: 5336511

Ion Ratio Lower Upper

202 100

101 24.7 6.2 9.2#

100 19.9 5.2 7.8#



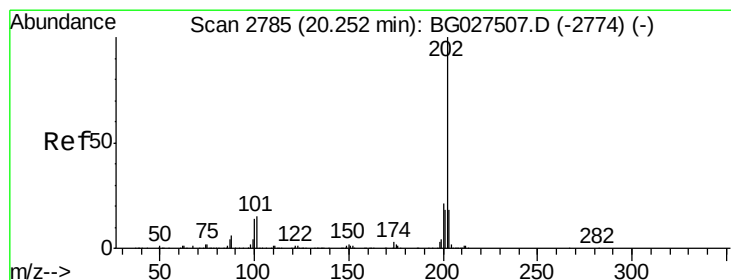
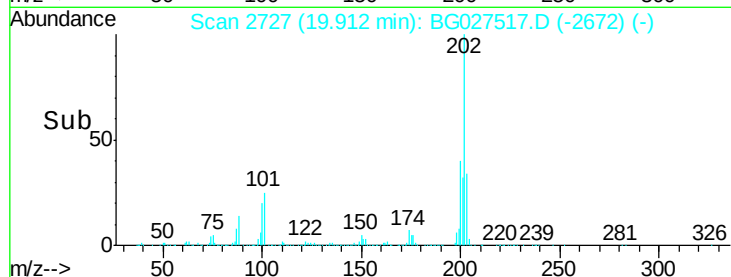
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.91

Time--> 19.80 19.90 20.00



#77

Pyrene

Concen: 185.25 ng/ul

RT: 20.27 min Scan# 2788

Delta R.T. 0.02 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

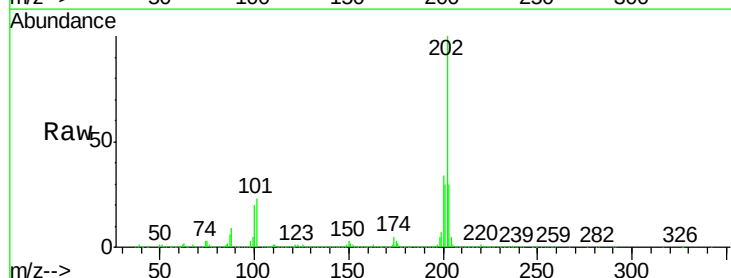
Tgt Ion:202 Resp: 4400554

Ion Ratio Lower Upper

202 100

101 23.4 6.9 10.3#

100 19.8 6.6 10.0#



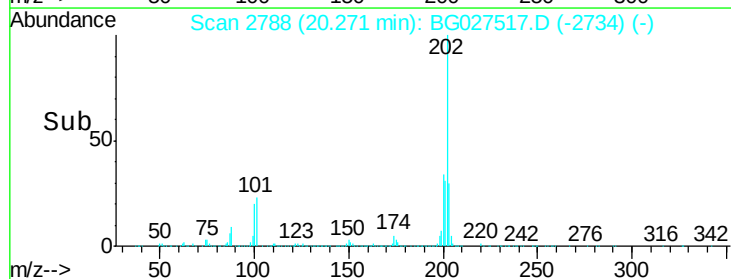
Abundance Ion 202.00 (201.70 to 202.70): E

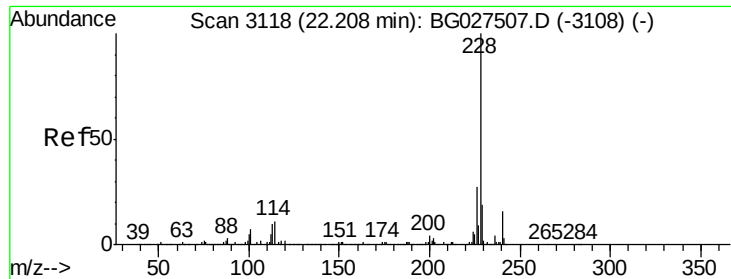
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

20.27

Time--> 20.20 20.30 20.40

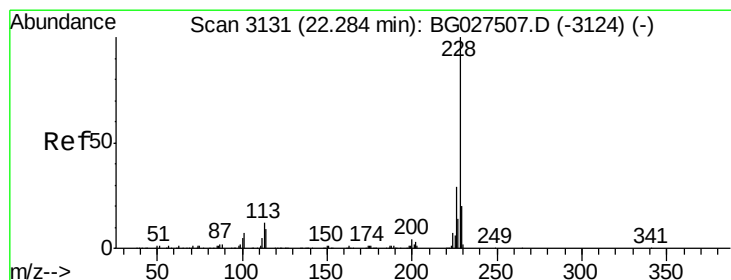
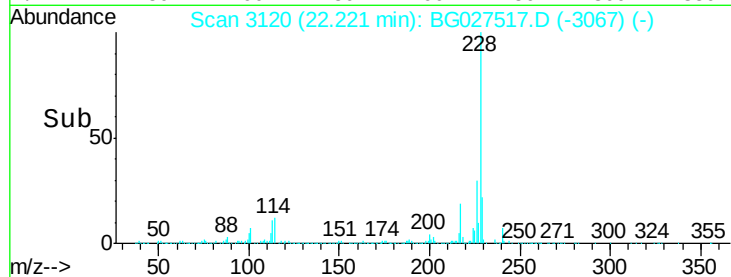
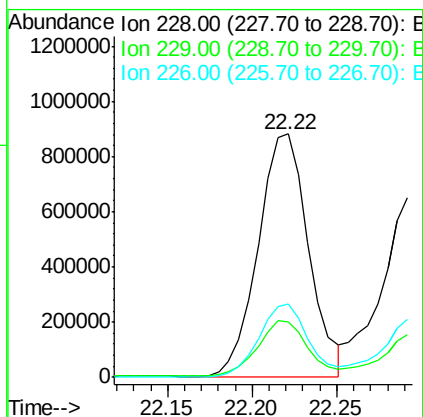
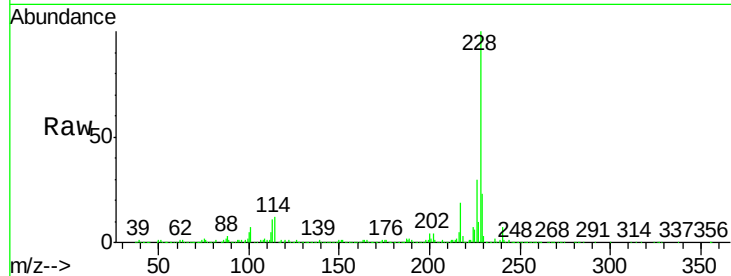




#80
Benzo(a)anthracene
Concen: 81.76 ng/ul
RT: 22.22 min Scan# 3120
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

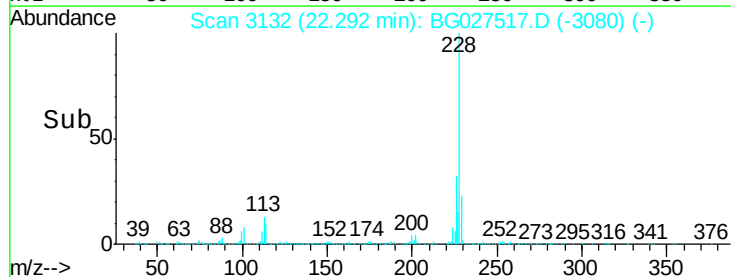
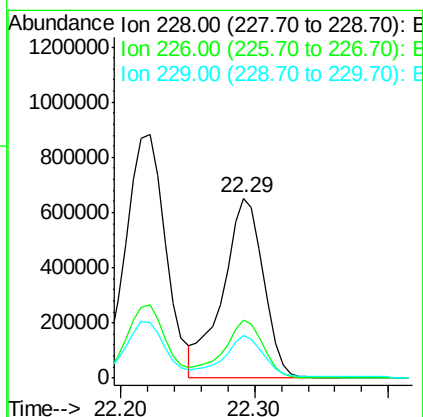
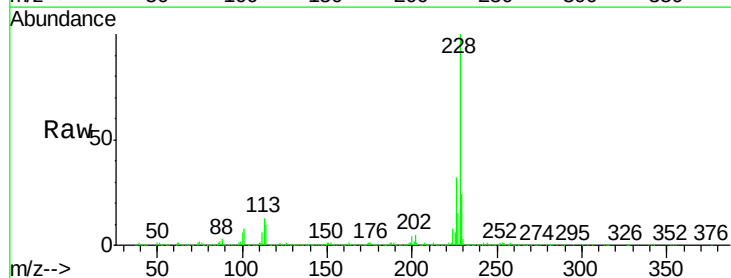
Instrument :
BNA_G
ClientSampleId :
F5B27

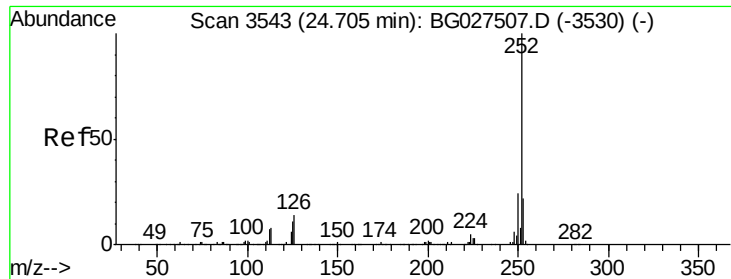
Tgt Ion:228 Resp: 1829705
Ion Ratio Lower Upper
228 100
229 22.7 16.3 24.5
226 30.3 21.9 32.9



#82
Chrysene
Concen: 67.84 ng/ul
RT: 22.29 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion:228 Resp: 1371057
Ion Ratio Lower Upper
228 100
226 32.4 24.0 36.0
229 23.7 16.9 25.3

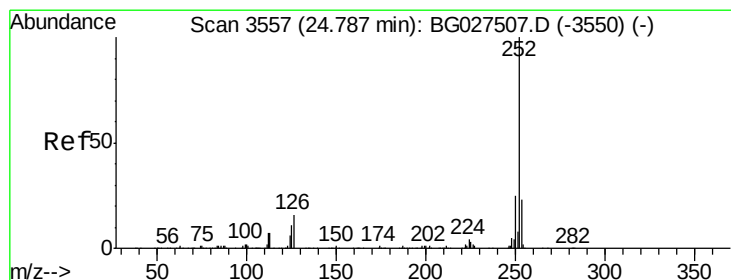
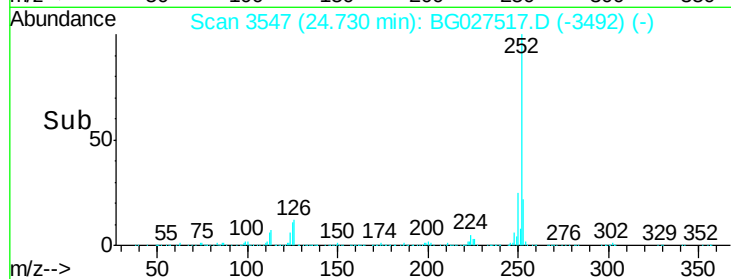
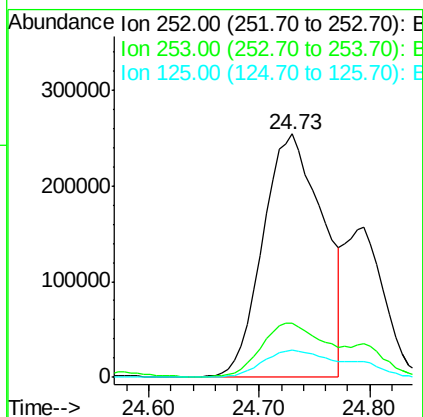
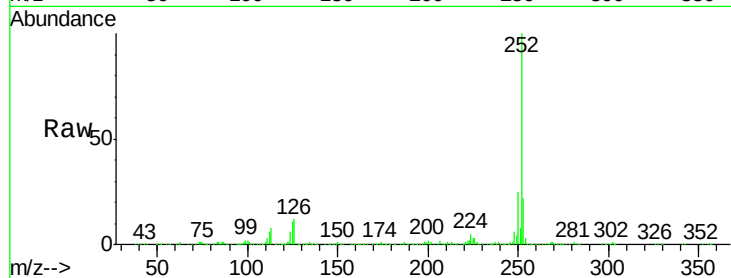




#85
Benzo(b)fluoranthene
Concen: 44.20 ng/ul
RT: 24.73 min Scan# 3547
Delta R.T. 0.02 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

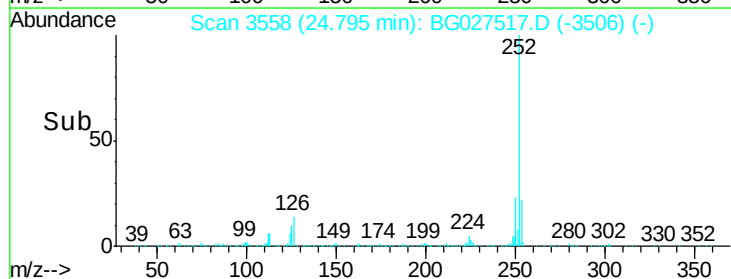
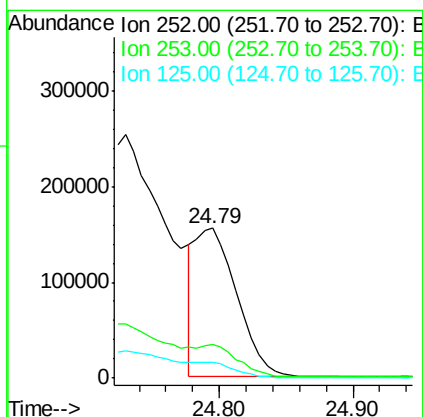
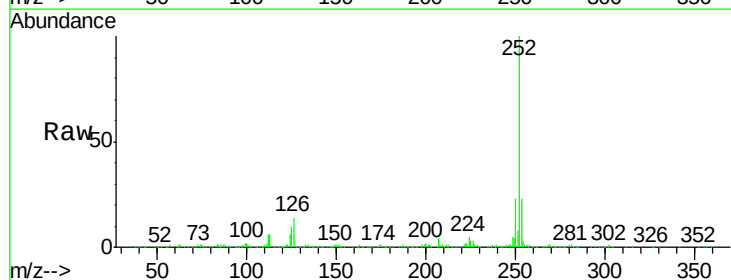
Instrument :
BNA_G
ClientSampleId :
F5B27

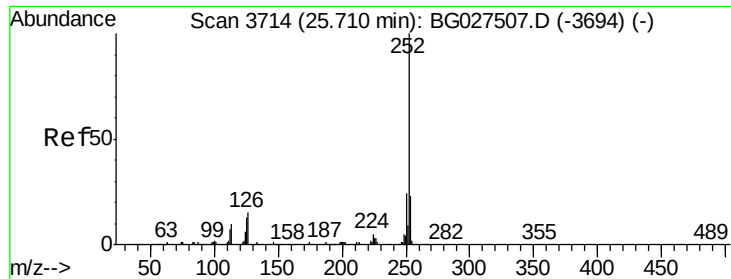
Tgt Ion:252 Resp: 953331
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.1 4.0 6.0#



#86
Benzo(k)fluoranthene
Concen: 16.12 ng/ul
RT: 24.79 min Scan# 3558
Delta R.T. 0.01 min
Lab File: BG027517.D
Acq: 17 Jun 2017 21:48

Tgt Ion:252 Resp: 334148
Ion Ratio Lower Upper
252 100
253 22.8 18.5 27.7
125 10.3 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 29.00 ng/ul

RT: 25.72 min Scan# 3715

Delta R.T. 0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

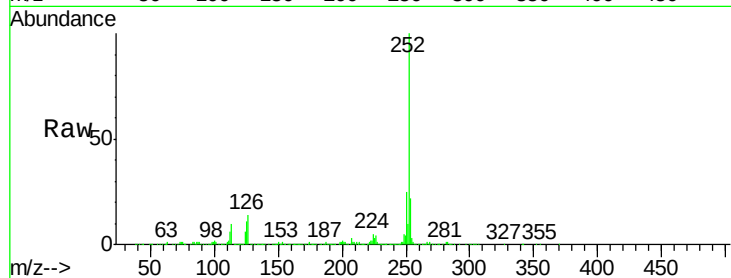
Tgt Ion:252 Resp: 600609

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

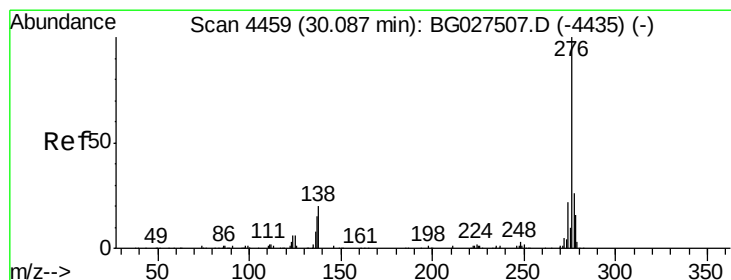
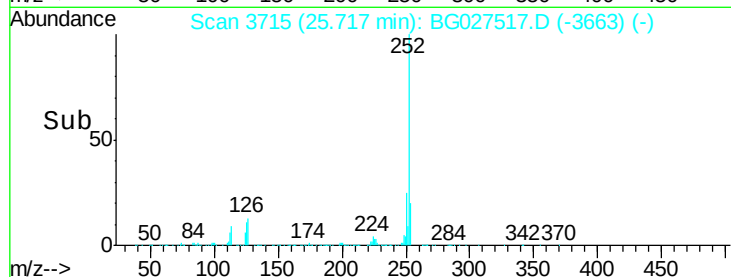
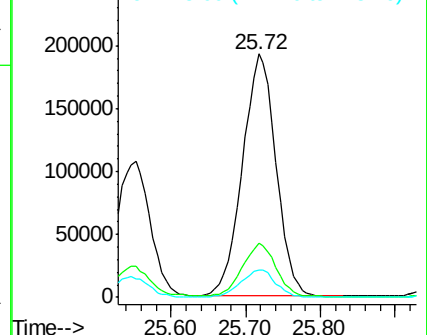
125 11.3 5.4 8.0#



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: 8.12 ng/ul

RT: 30.09 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

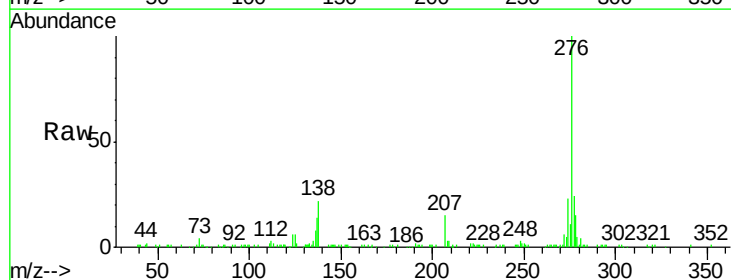
Tgt Ion:276 Resp: 191903

Ion Ratio Lower Upper

276 100

138 22.5 8.2 12.4#

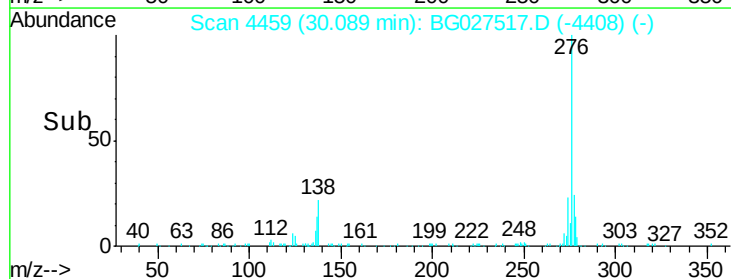
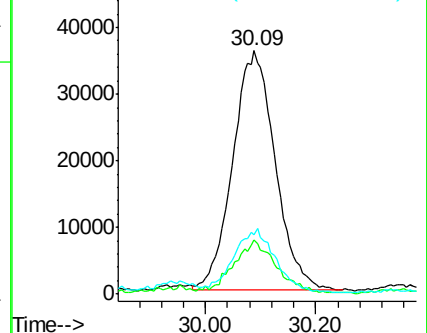
277 24.5 18.6 28.0

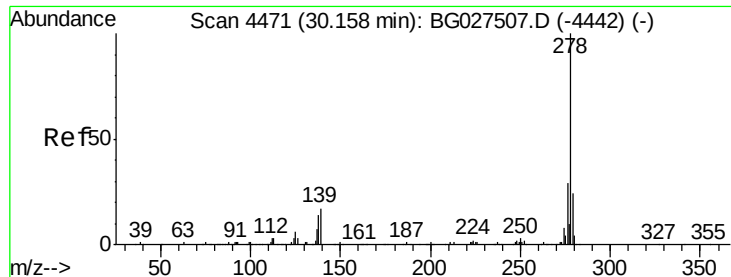


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.81 ng/ul

RT: 30.13 min Scan# 4466

Delta R.T. -0.03 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

Instrument :

BNA_G

ClientSampleId :

F5B27

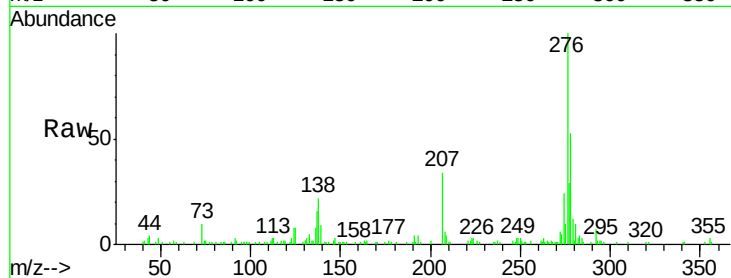
Tgt Ion:278 Resp: 57018

Ion Ratio Lower Upper

278 100

139 17.7 6.7 10.1#

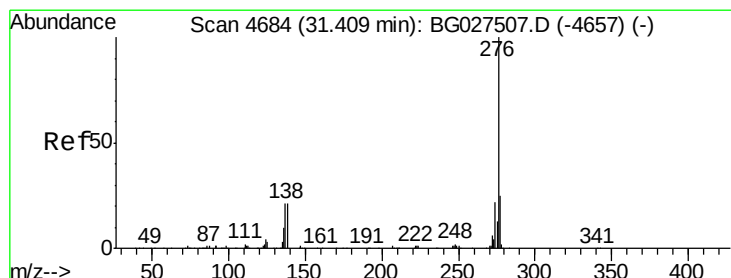
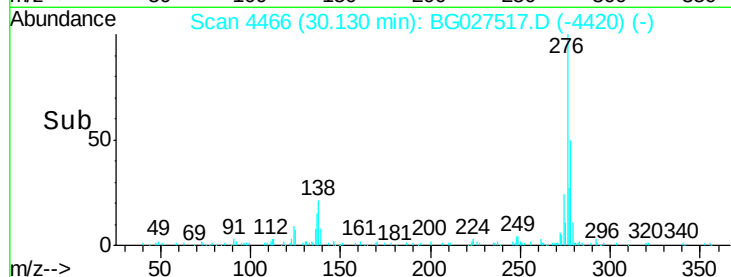
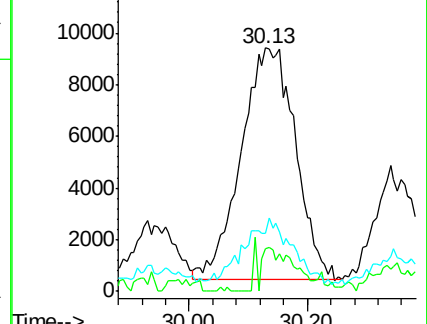
279 23.6 20.9 31.3



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: 6.28 ng/ul

RT: 31.40 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BG027517.D

Acq: 17 Jun 2017 21:48

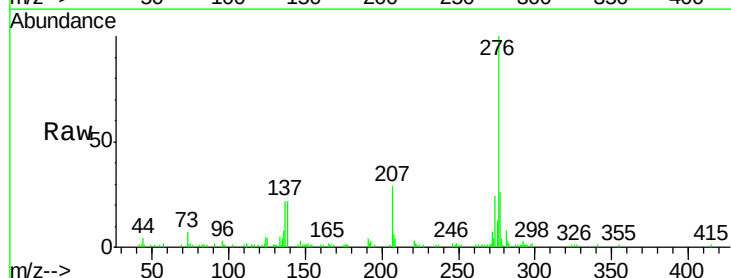
Tgt Ion:276 Resp: 121627

Ion Ratio Lower Upper

276 100

138 22.2 8.6 12.8#

277 26.0 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

