

Data File : BG027518.D
Acq On : 17 Jun 2017 22:28
Operator : SJ/MA
Sample : I3599-11 20X
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B25

Quant Time: Jun 19 01:55:00 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	48346	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	248711	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	156439	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	331970	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	378420	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	351228	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	7.66	99	3628	0.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	2617	0.73	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2735	0.79	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	3175	0.77	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	2862	1.58	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	1409	0.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.95	165	2869	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	16603	3.62	ng/ul	0.01
43) Dimethylphthalate-d6	14.49	166	13578	1.04	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	13905	0.92	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	3176	1.24	ng/ul	0.01
57) Fluorene-d10	16.09	176	12610	1.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	846	0.41	ng/ul	0.01
70) Anthracene-d10	17.97	188	16590	1.07	ng/ul	0.01
76) Pyrene-d10	20.23	212	19264	1.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	15382	0.97	ng/ul	0.00

Target Compounds

						Qvalue
17) Hexachloroethane	9.62	117	4962	3.71	ng/ul#	1
28) Naphthalene	11.42	128	7134689	558.22	ng/ul#	67
30) 4-Chloroaniline	11.42	127	1599748	353.15	ng/ul#	29
34) 2-Methylnaphthalene	12.97	142	2388827	252.04	ng/ul	93
40) 1,1'-Biphenyl	13.94	154	682599	55.16	ng/ul#	95
47) Acenaphthylene	14.83	152	133640	8.84	ng/ul#	93
49) Acenaphthene	15.18	153	1962023	186.07	ng/ul	97
53) Dibenzofuran	15.50	168	2169440	141.16	ng/ul	95
54) 2,4-Dinitrotoluene	15.41	165	17930	4.84	ng/ul#	88
58) Fluorene	16.16	166	2200204	172.52	ng/ul	99
60) 4-Nitroaniline	16.16	138	31279	9.73	ng/ul#	1
64) N-Nitrosodiphenylamine	16.31	169	16541	1.73	ng/ul#	1
69) Phenanthrene	18.00	178	1566284	87.80	ng/ul	97
71) Anthracene	18.00	178	1566284	86.35	ng/ul	97
72) Carbazole	18.26	167	766265	49.12	ng/ul	97
74) Fluoranthene	19.91	202	4175356	208.02	ng/ul#	66
77) Pyrene	20.26	202	3293262	147.23	ng/ul#	72
80) Benzo(a)anthracene	22.21	228	1243137	58.99	ng/ul	96
82) Chrysene	22.29	228	909571	47.79	ng/ul	97
85) Benzo(b)fluoranthene	24.72	252	602027	28.78	ng/ul#	96
86) Benzo(k)fluoranthene	24.72	252	602027	29.94	ng/ul#	95
88) Benzo(a)pyrene	25.71	252	390146	19.43	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.08	276	122990	5.36	ng/ul#	88

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	30.14	278	36826	1.87	ng/ul#	80
91) Benzo(g,h,i)perylene	31.39	276	74038	3.94	ng/ul#	89

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

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Sample : I3599-11 20X

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BNA_G

ClientSampleId :

F5B25

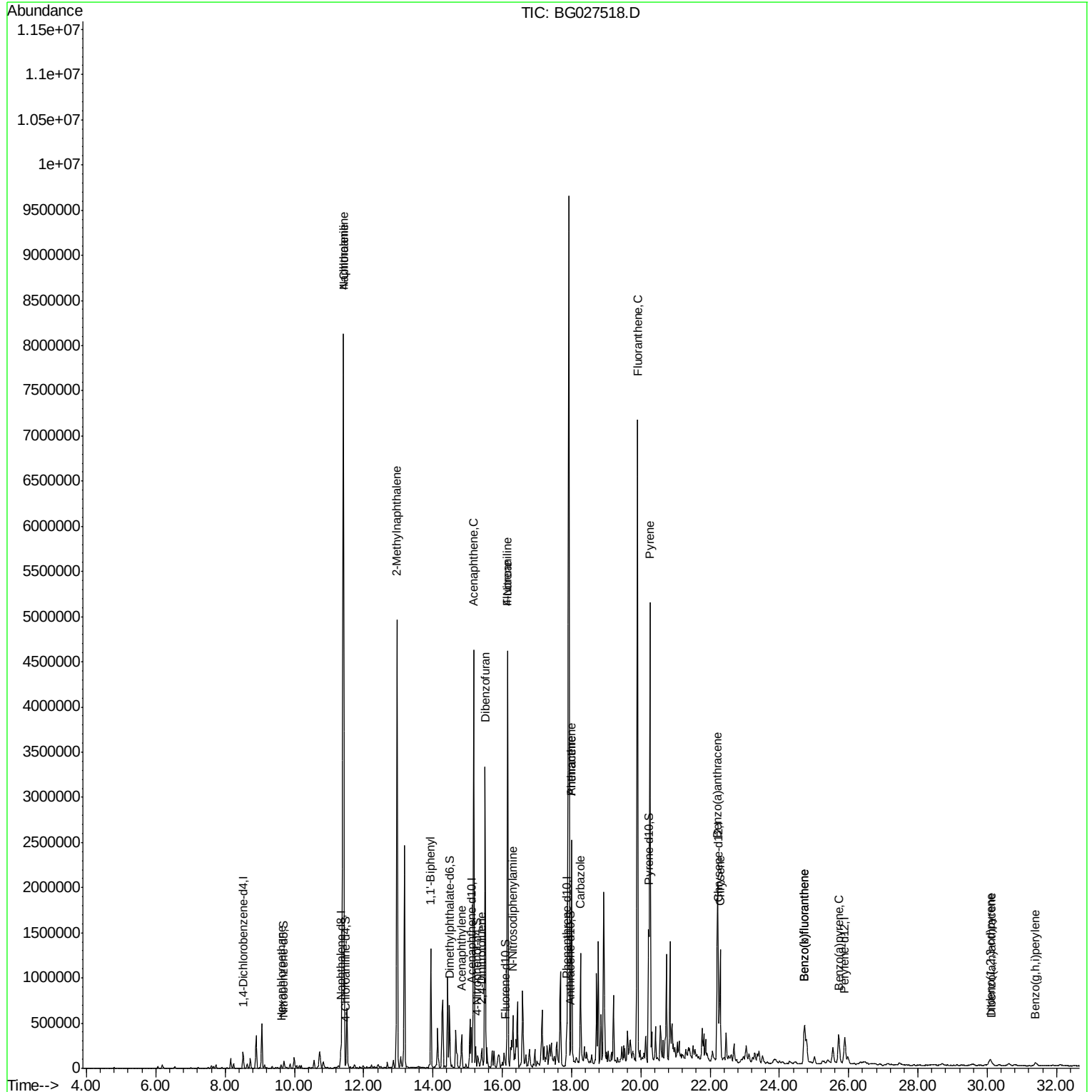
Quant Time: Jun 19 01:55:00 2017

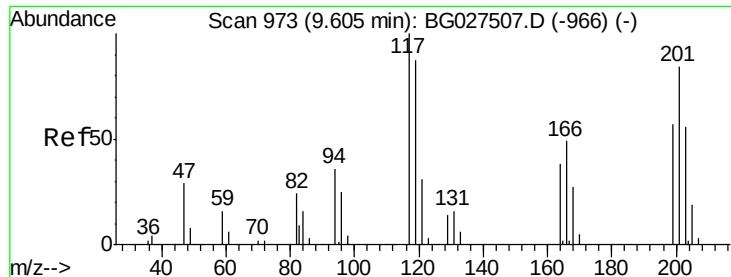
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jun 19 01:52:26 2017

Response via : Initial Calibration





#17

Hexachloroethane

Concen: 3.71 ng/ul

RT: 9.62 min Scan# 976

Delta R.T. 0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampled :

F5B25

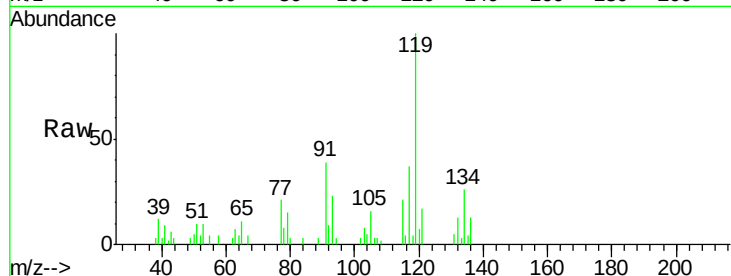
Tgt Ion:117 Resp: 4962

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

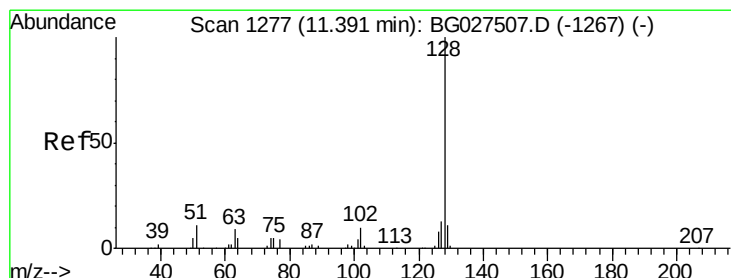
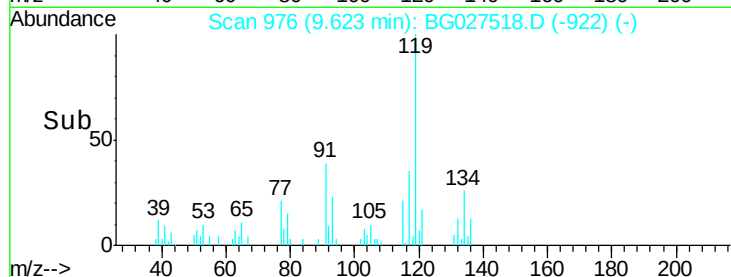
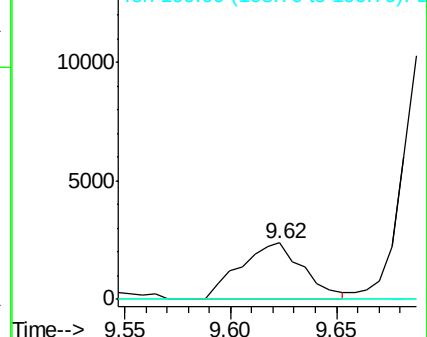
199 0.0 64.3 96.5#



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



#28

Naphthalene

Concen: 558.22 ng/ul

RT: 11.42 min Scan# 1281

Delta R.T. 0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

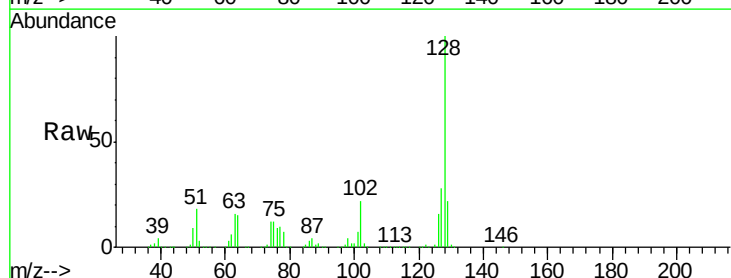
Tgt Ion:128 Resp: 7134689

Ion Ratio Lower Upper

128 100

129 22.0 9.4 14.2#

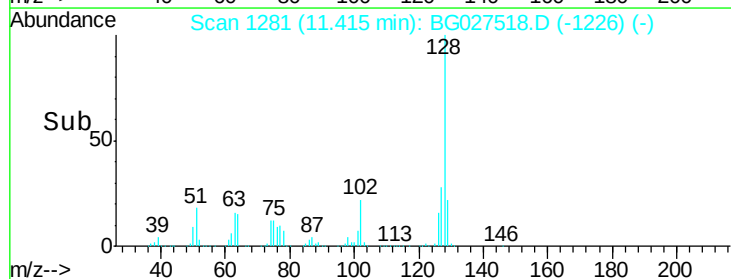
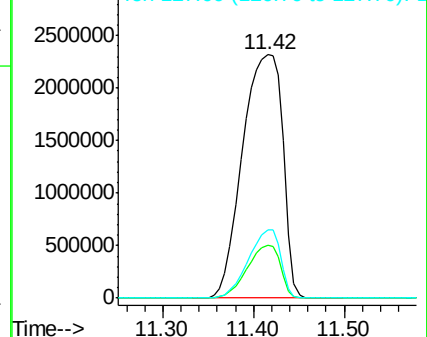
127 28.3 10.3 15.5#

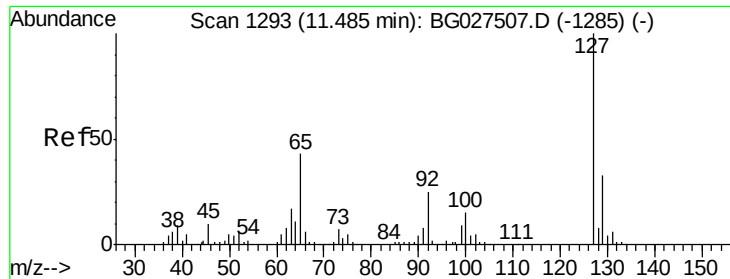


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

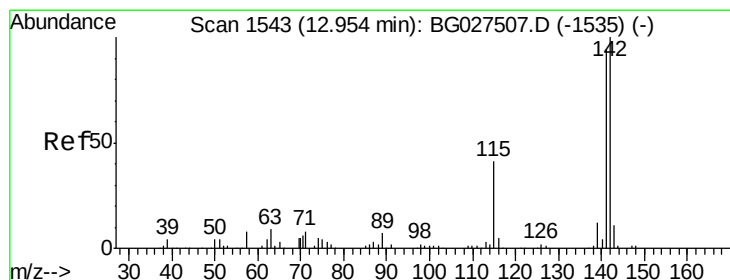
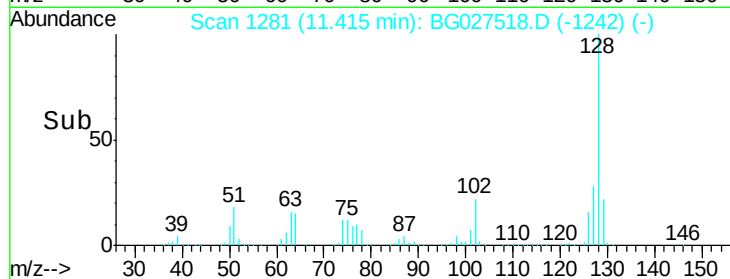
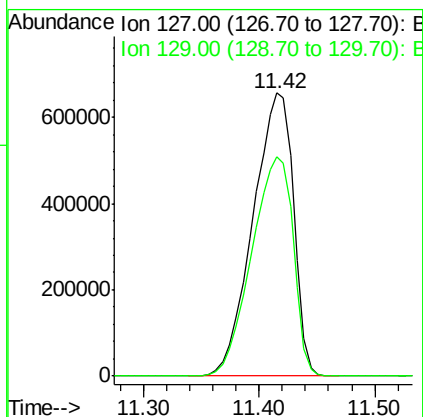
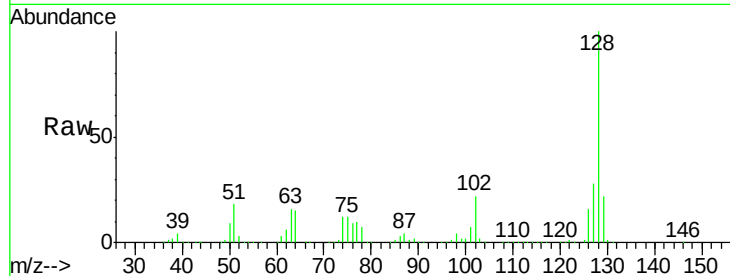




#30
4-Chloroaniline
Concen: 353.15 ng/ul
RT: 11.42 min Scan# 1281
Delta R.T. -0.07 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

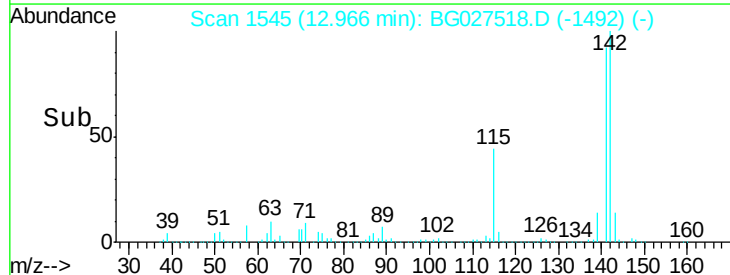
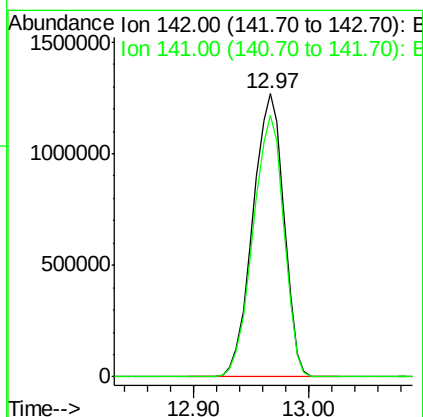
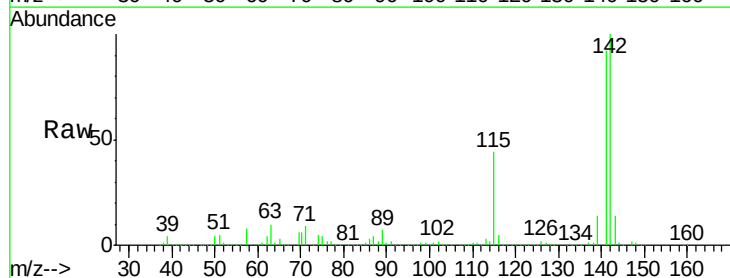
Instrument :
BNA_G
ClientSampleId :
F5B25

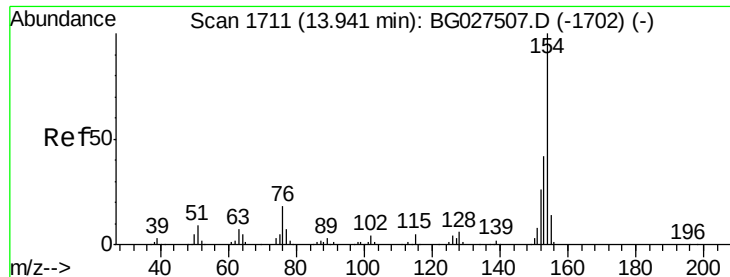
Tgt Ion:127 Resp: 1599748
Ion Ratio Lower Upper
127 100
129 77.7 28.9 43.3#



#34
2-Methylnaphthalene
Concen: 252.04 ng/ul
RT: 12.97 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Tgt Ion:142 Resp: 2388827
Ion Ratio Lower Upper
142 100
141 92.2 68.6 102.8





#40

1,1'-Biphenyl

Concen: 55.16 ng/ul

RT: 13.94 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

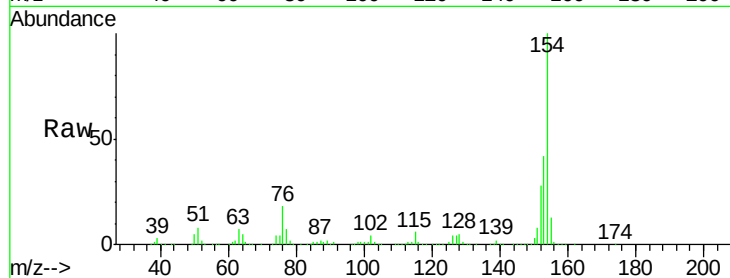
Tgt Ion:154 Resp: 682599

Ion Ratio Lower Upper

154 100

153 41.7 32.2 48.2

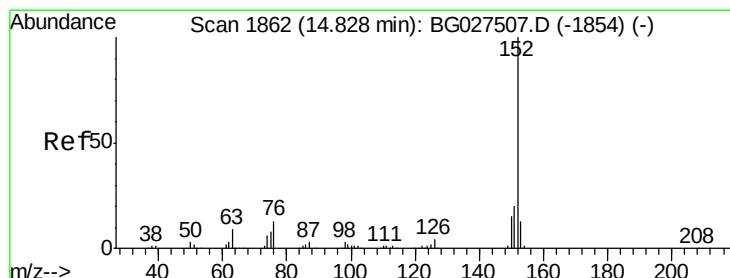
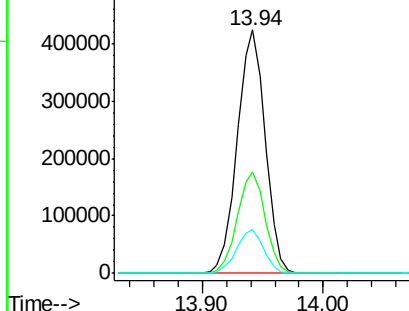
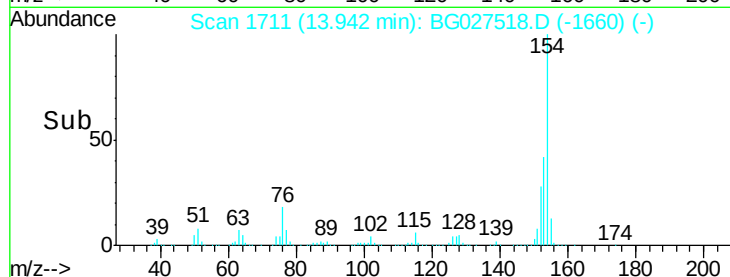
76 17.8 9.6 14.4#



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



#47

Acenaphthylene

Concen: 8.84 ng/ul

RT: 14.83 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

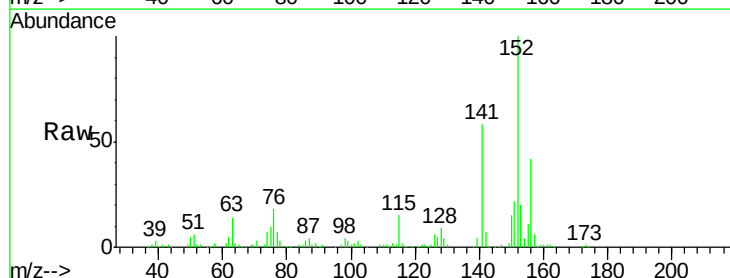
Tgt Ion:152 Resp: 133640

Ion Ratio Lower Upper

152 100

151 22.2 16.7 25.1

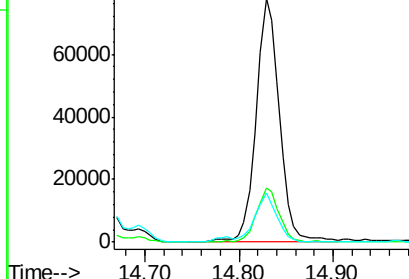
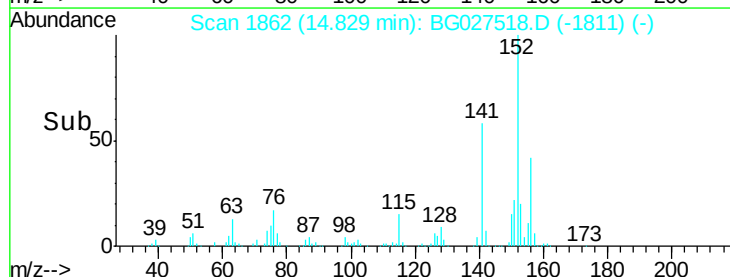
153 20.0 11.4 17.2#

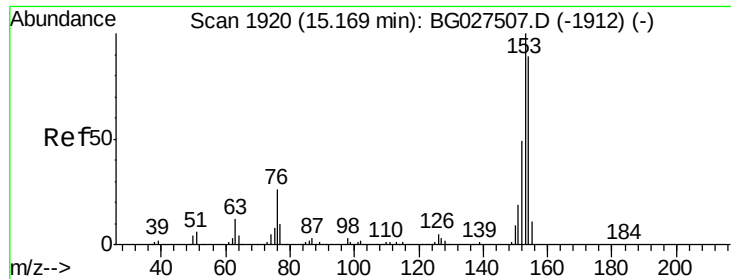


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 186.07 ng/ul

RT: 15.18 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

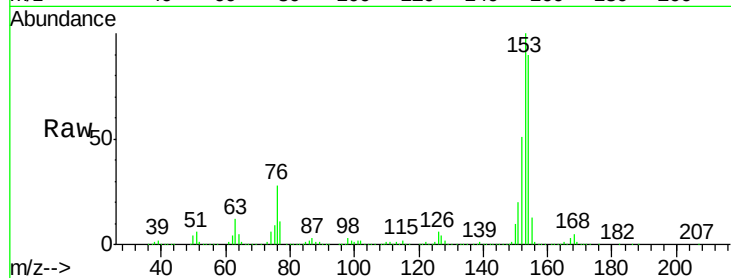
Tgt Ion:153 Resp: 1962023

Ion Ratio Lower Upper

153 100

152 51.4 36.5 54.7

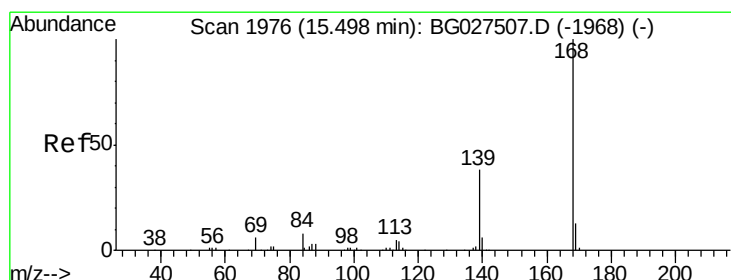
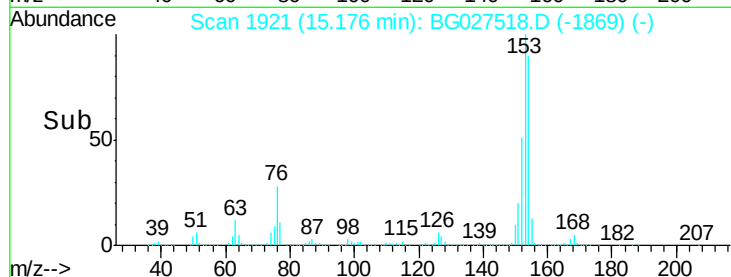
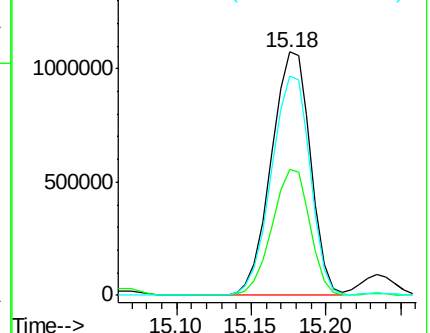
154 90.2 72.3 108.5



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

Dibenzofuran

Concen: 141.16 ng/ul

RT: 15.50 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BG027518.D

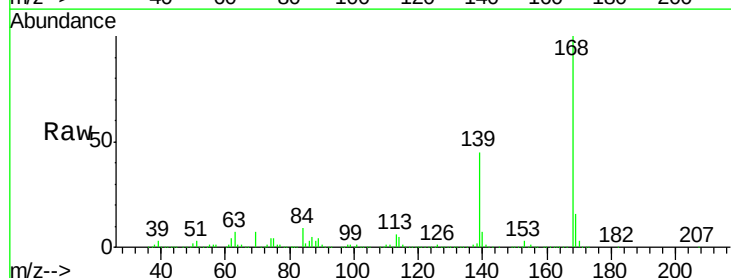
Acq: 17 Jun 2017 22:28

Tgt Ion:168 Resp: 2169440

Ion Ratio Lower Upper

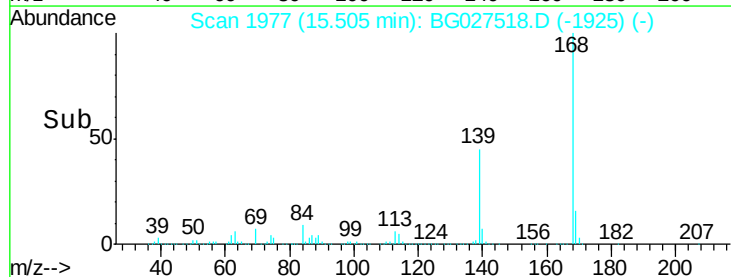
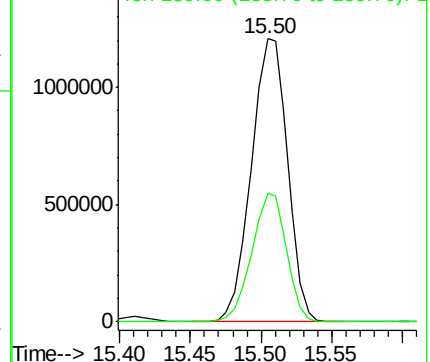
168 100

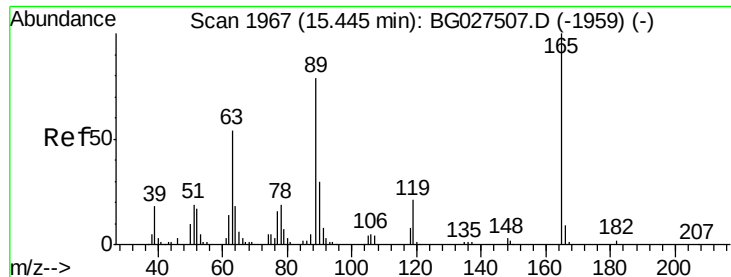
139 45.4 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

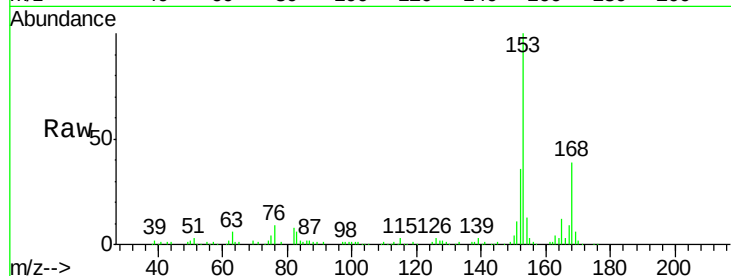




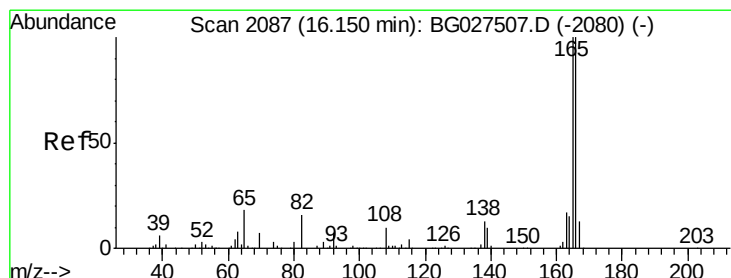
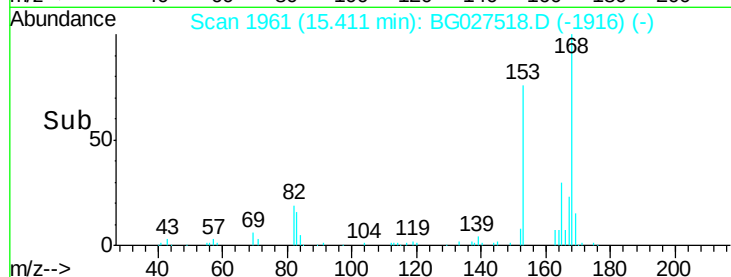
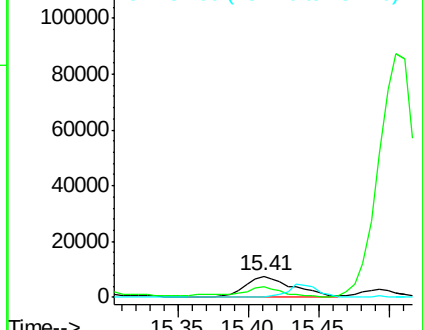
#54
2,4-Dinitrotoluene
Concen: 4.84 ng/ul
RT: 15.41 min Scan# 1961
Delta R.T. -0.03 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Instrument :
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ClientSampleId :
F5B25

Tgt Ion:165 Resp: 17930
Ion Ratio Lower Upper
165 100
63 49.1 46.8 70.2
182 0.0 1.8 2.6#

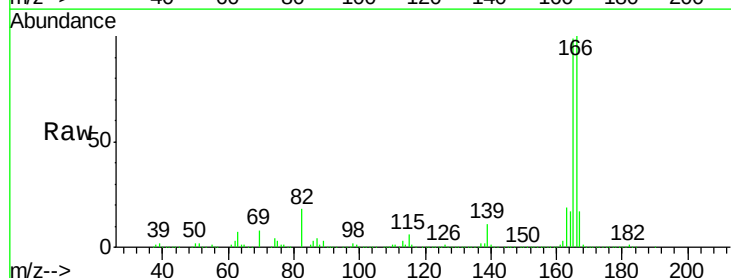


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 182.00 (181.70 to 182.70): E

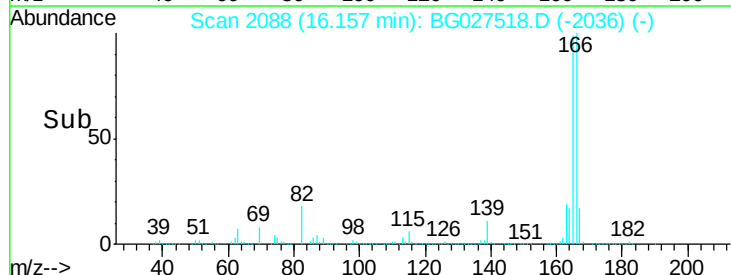
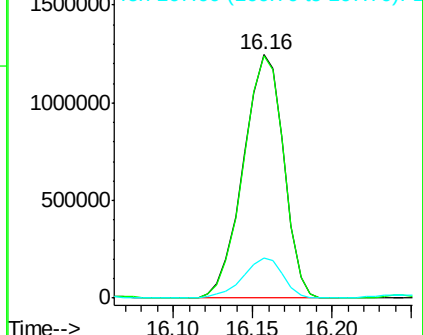


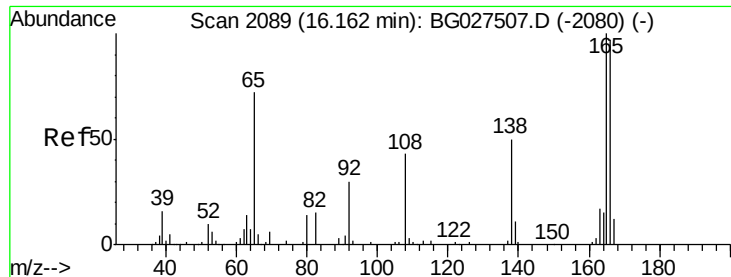
#58
Fluorene
Concen: 172.52 ng/ul
RT: 16.16 min Scan# 2088
Delta R.T. 0.01 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Tgt Ion:166 Resp: 2200204
Ion Ratio Lower Upper
166 100
165 99.3 79.7 119.5
167 16.6 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

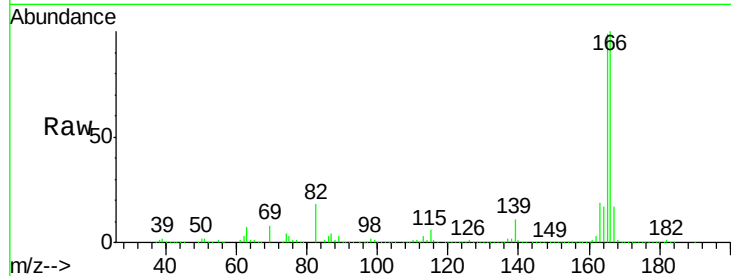




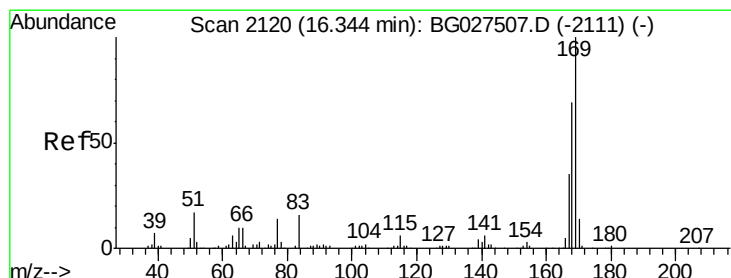
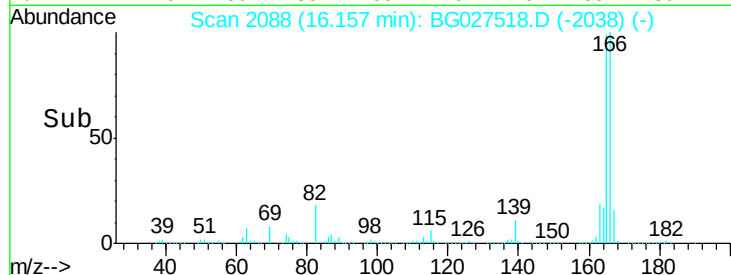
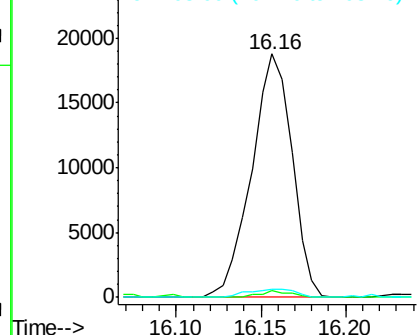
#60
4-Nitroaniline
Concen: 9.73 ng/ul
RT: 16.16 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Instrument :
BNA_G
ClientSampleId :
F5B25

Tgt Ion:138 Resp: 31279
Ion Ratio Lower Upper
138 100
92 2.7 56.9 85.3#
108 3.3 104.9 157.3#

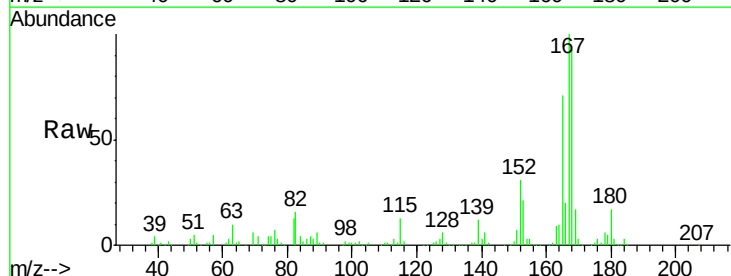


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

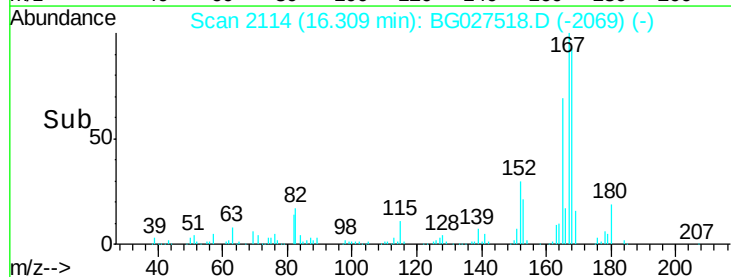
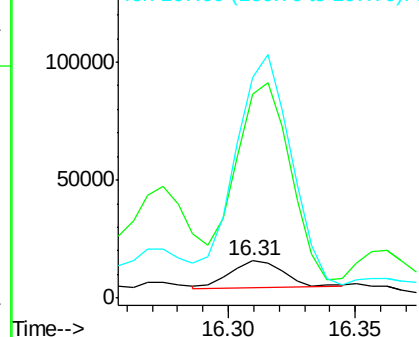


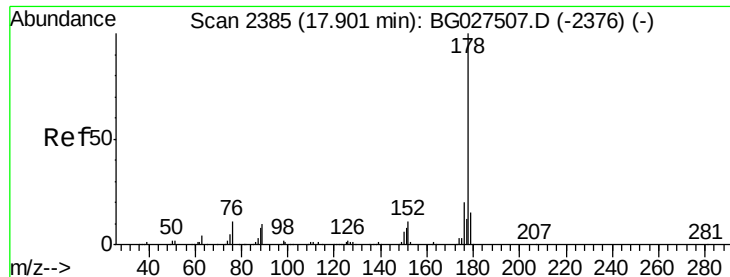
#64
N-Nitrosodiphenylamine
Concen: 1.73 ng/ul
RT: 16.31 min Scan# 2114
Delta R.T. -0.03 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Tgt Ion:169 Resp: 16541
Ion Ratio Lower Upper
169 100
168 547.8 59.1 88.7#
167 591.9 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: 87.80 ng/ul

RT: 18.00 min Scan# 2402

Delta R.T. 0.10 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

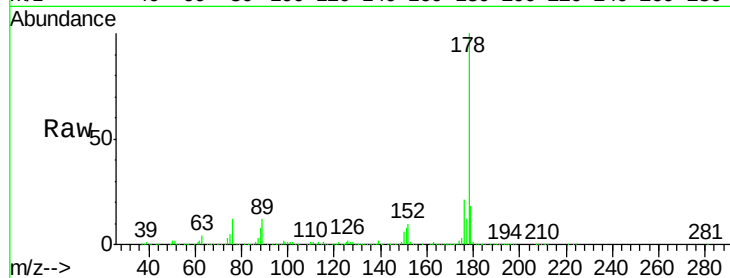
Tgt Ion:178 Resp: 1566284

Ion Ratio Lower Upper

178 100

179 17.8 12.4 18.6

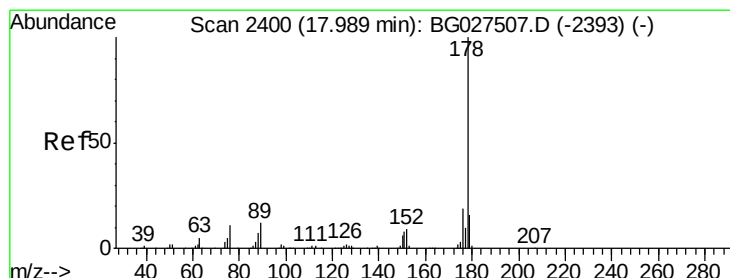
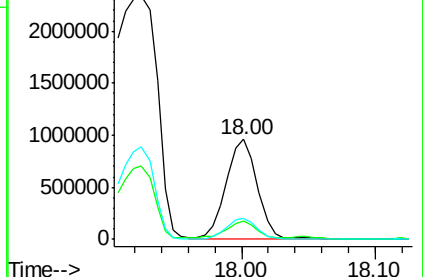
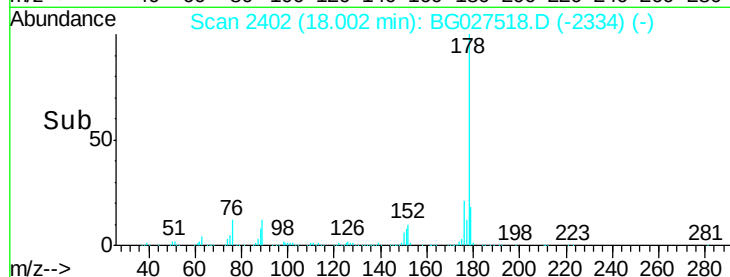
176 20.9 16.5 24.7



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: 86.35 ng/ul

RT: 18.00 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

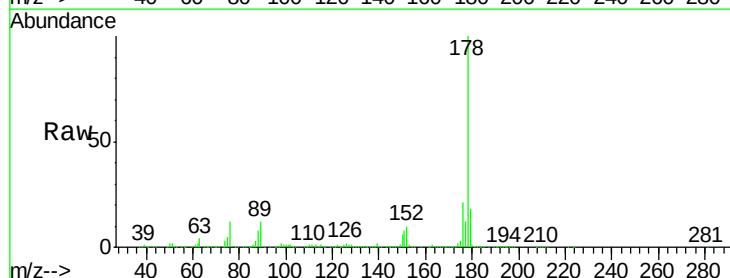
Tgt Ion:178 Resp: 1566284

Ion Ratio Lower Upper

178 100

179 17.8 12.6 19.0

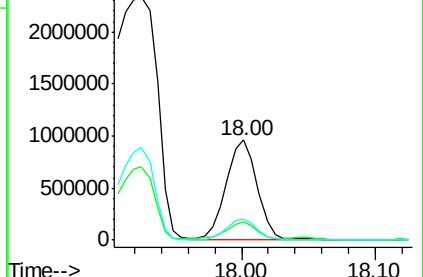
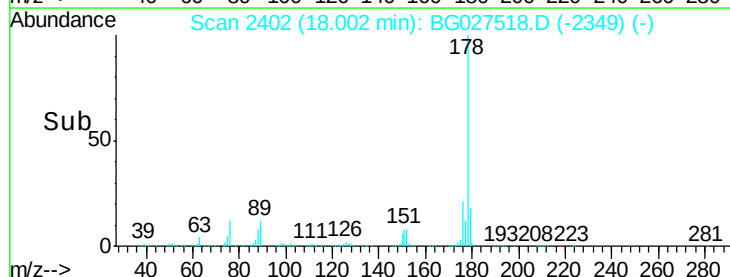
176 20.9 15.9 23.9

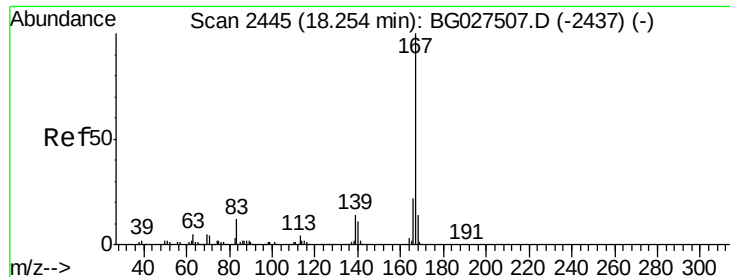


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 49.12 ng/ul

RT: 18.26 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

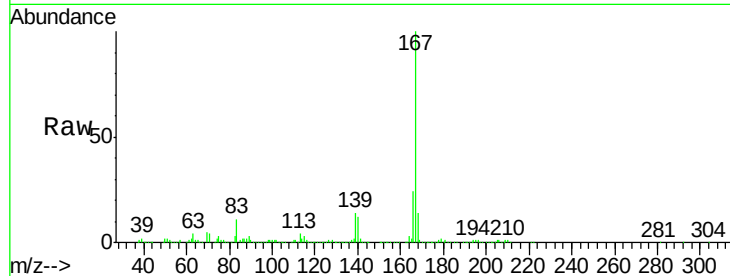
Tgt Ion:167 Resp: 766265

Ion Ratio Lower Upper

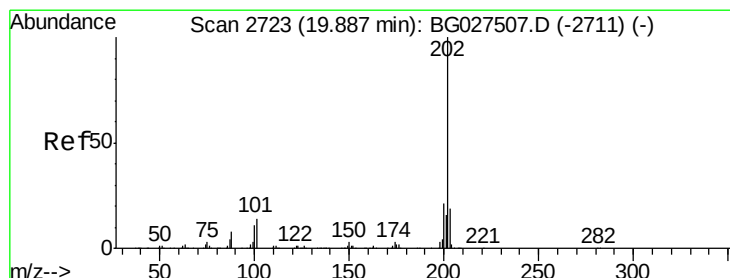
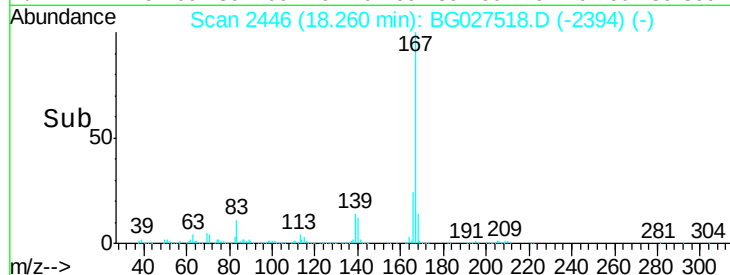
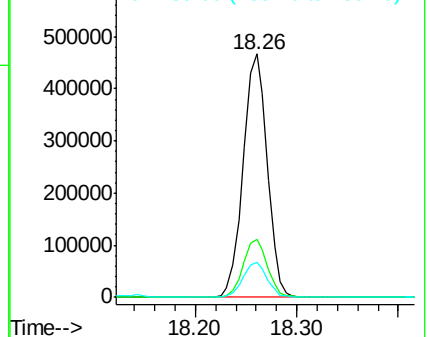
167 100

166 23.9 17.9 26.9

139 14.5 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: 208.02 ng/ul

RT: 19.91 min Scan# 2726

Delta R.T. 0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

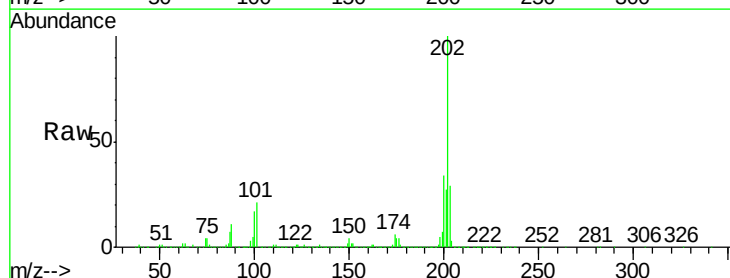
Tgt Ion:202 Resp: 4175356

Ion Ratio Lower Upper

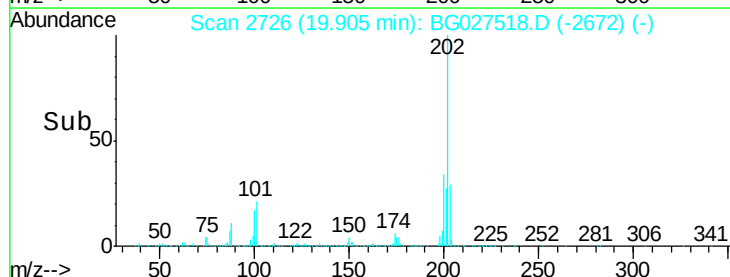
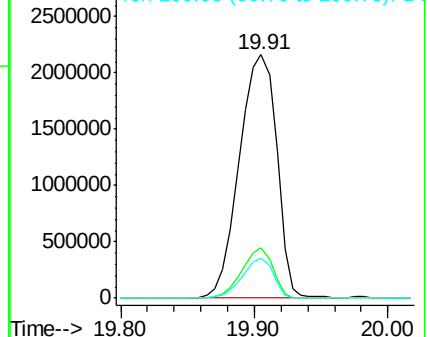
202 100

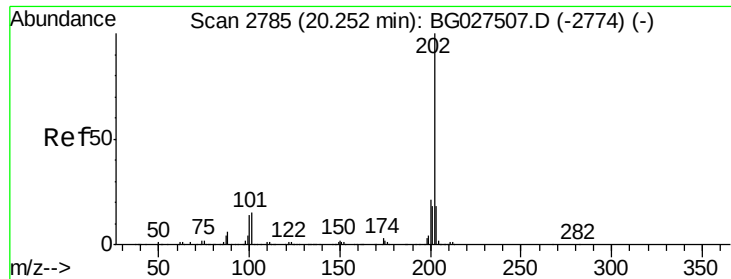
101 20.8 6.2 9.2#

100 16.6 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

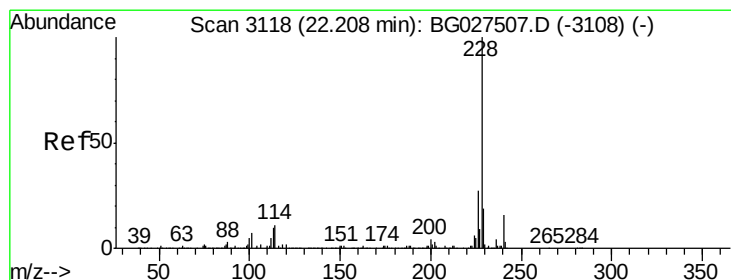
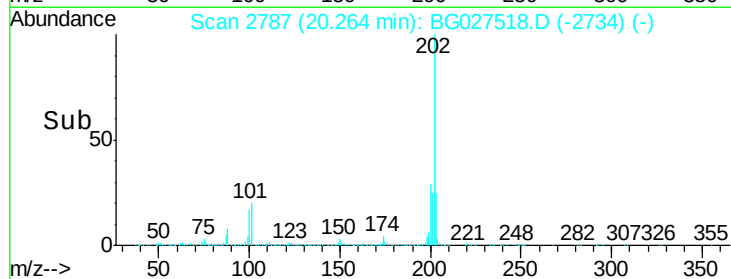
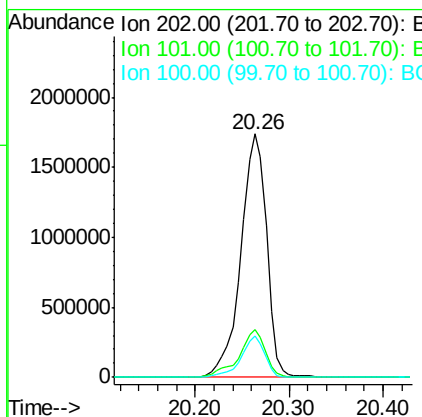
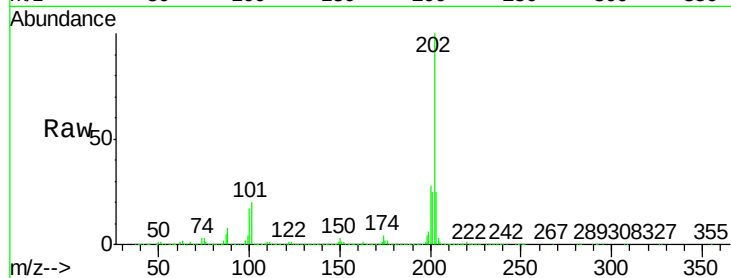




#77
 Pyrene
 Concen: 147.23 ng/ul
 RT: 20.26 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: BG027518.D
 Acq: 17 Jun 2017 22:28

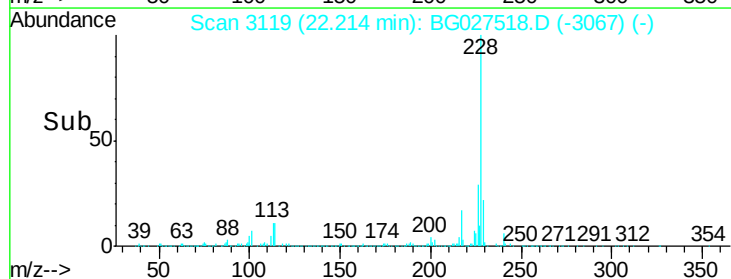
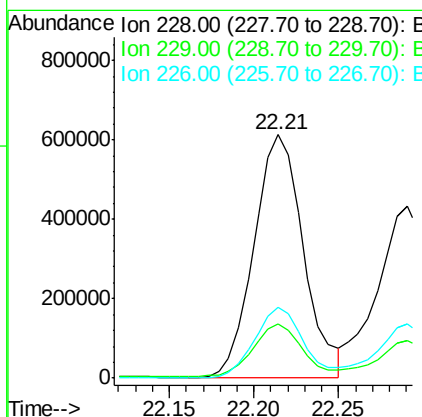
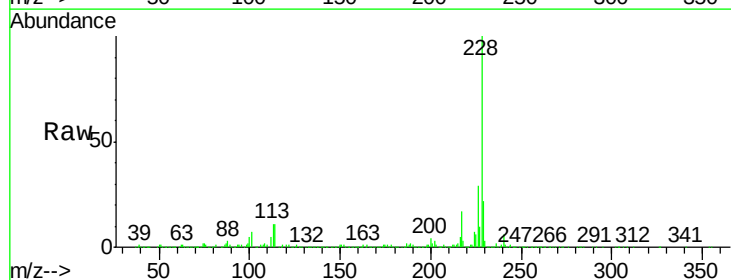
Instrument :
 BNA_G
 ClientSampleId :
 F5B25

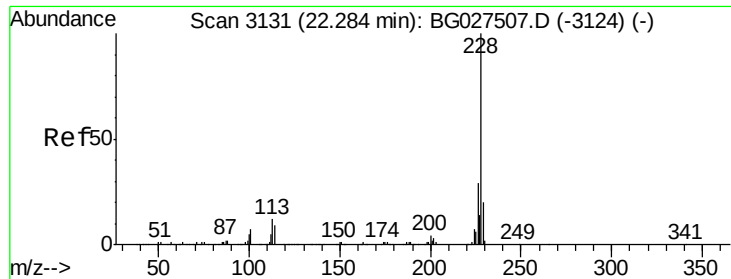
Tgt Ion:202 Resp: 3293262
 Ion Ratio Lower Upper
 202 100
 101 19.9 6.9 10.3#
 100 17.1 6.6 10.0#



#80
 Benzo(a)anthracene
 Concen: 58.99 ng/ul
 RT: 22.21 min Scan# 3119
 Delta R.T. 0.01 min
 Lab File: BG027518.D
 Acq: 17 Jun 2017 22:28

Tgt Ion:228 Resp: 1243137
 Ion Ratio Lower Upper
 228 100
 229 22.1 16.3 24.5
 226 29.3 21.9 32.9





#82

Chrysene

Concen: 47.79 ng/ul

RT: 22.29 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

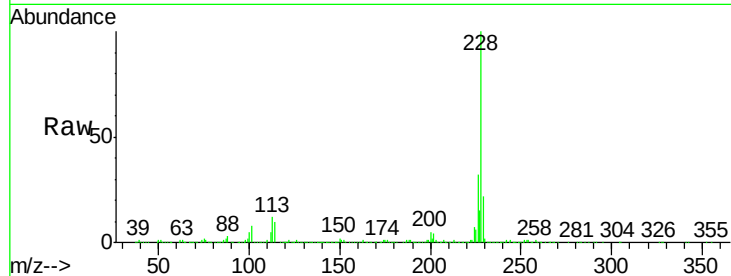
Tgt Ion:228 Resp: 909571

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

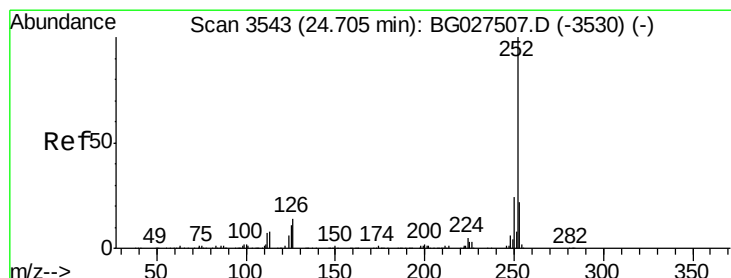
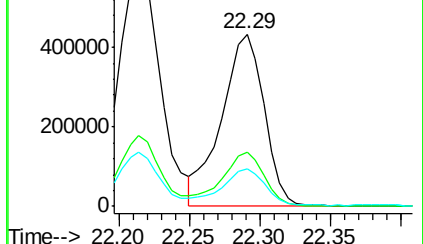
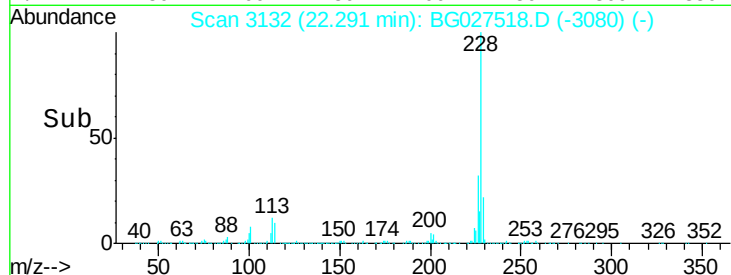
229 22.0 16.9 25.3



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: 28.78 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

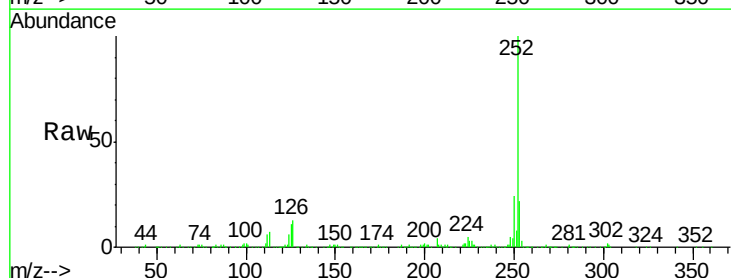
Tgt Ion:252 Resp: 602027

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

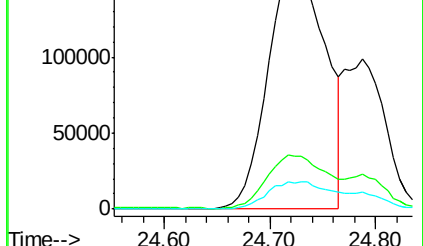
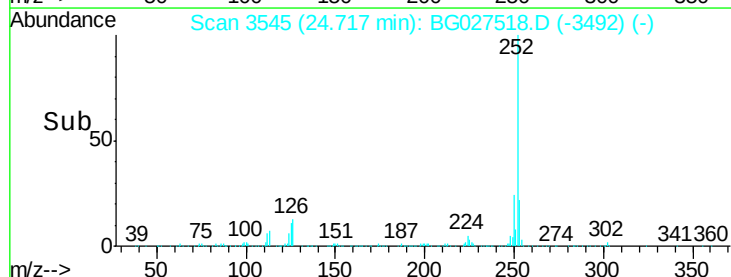
125 11.2 4.0 6.0#

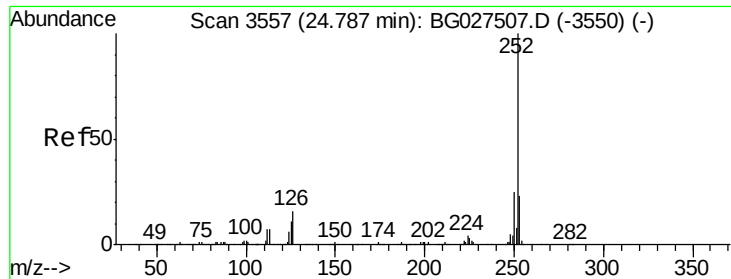


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

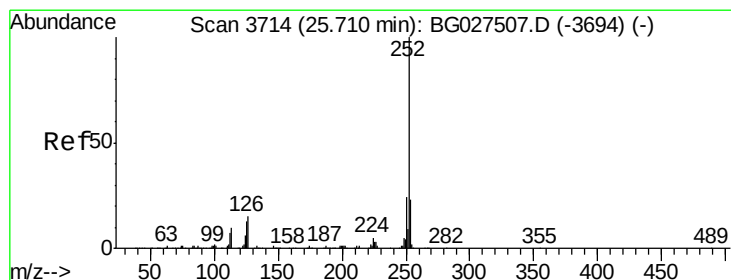
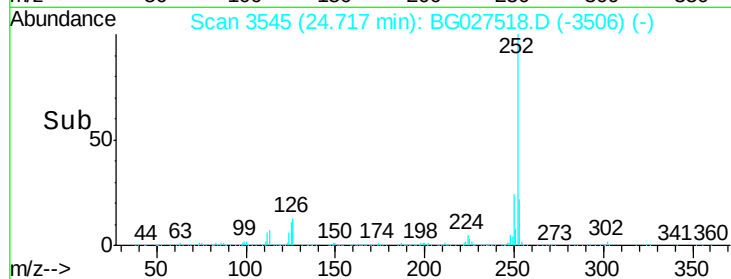
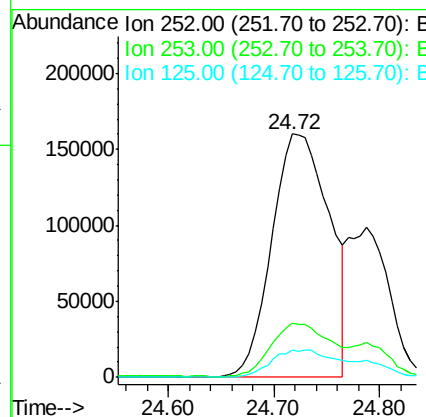
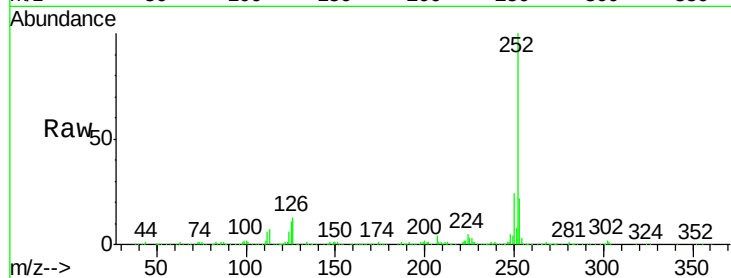




#86
Benzo(k)fluoranthene
Concen: 29.94 ng/ul
RT: 24.72 min Scan# 3545
Delta R.T. -0.07 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

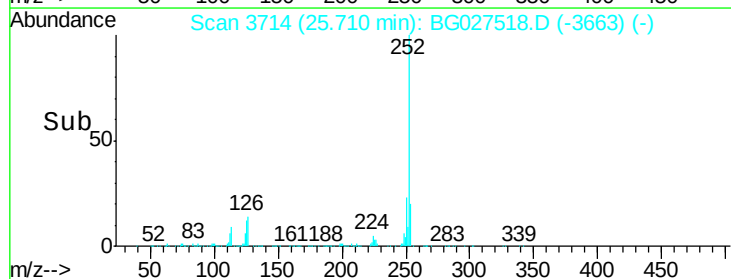
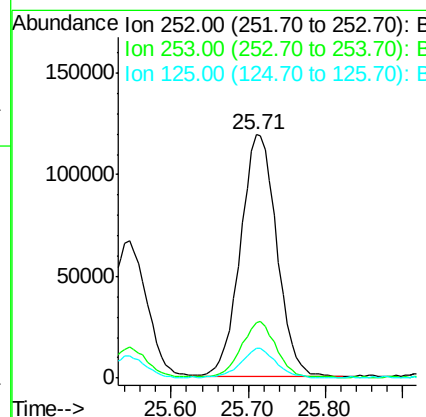
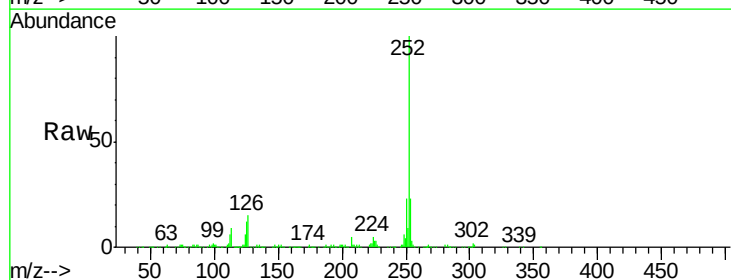
Instrument :
BNA_G
ClientSampleId :
F5B25

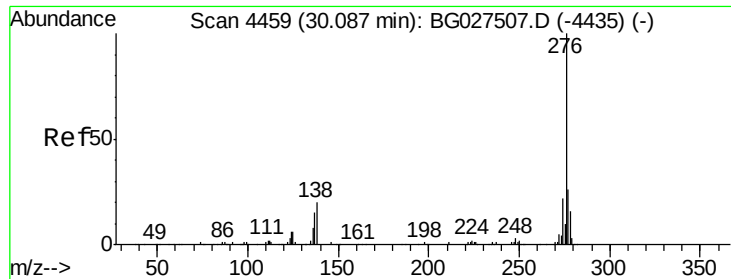
Tgt Ion:252 Resp: 602027
Ion Ratio Lower Upper
252 100
253 22.2 18.5 27.7
125 11.2 4.1 6.1#



#88
Benzo(a)pyrene
Concen: 19.43 ng/ul
RT: 25.71 min Scan# 3714
Delta R.T. 0.00 min
Lab File: BG027518.D
Acq: 17 Jun 2017 22:28

Tgt Ion:252 Resp: 390146
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.3 5.4 8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 5.36 ng/ul

RT: 30.08 min Scan# 4458

Delta R.T. -0.01 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

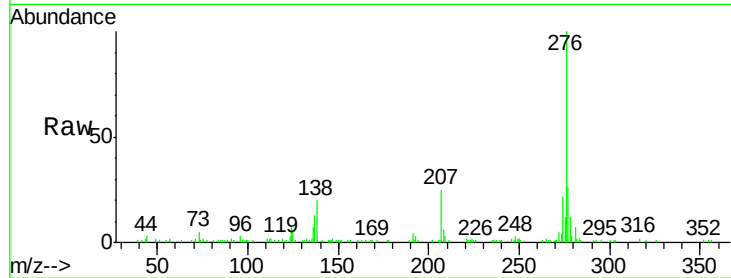
Tgt Ion:276 Resp: 122990

Ion Ratio Lower Upper

276 100

138 19.8 8.2 12.4#

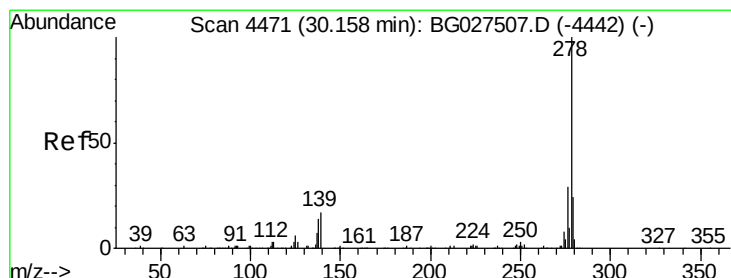
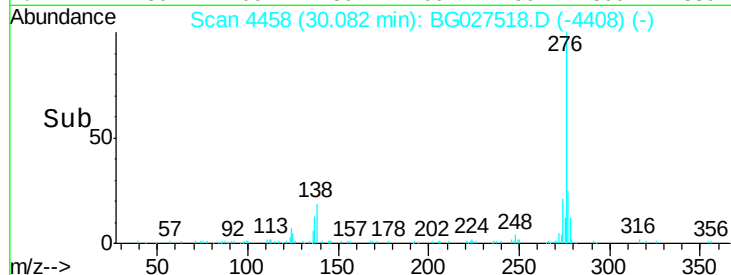
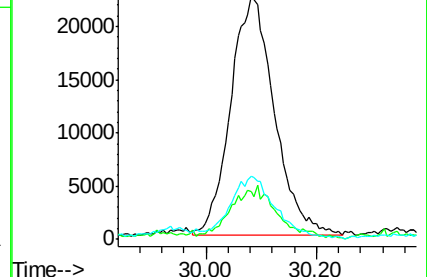
277 26.0 18.6 28.0



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: 1.87 ng/ul

RT: 30.14 min Scan# 4468

Delta R.T. -0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

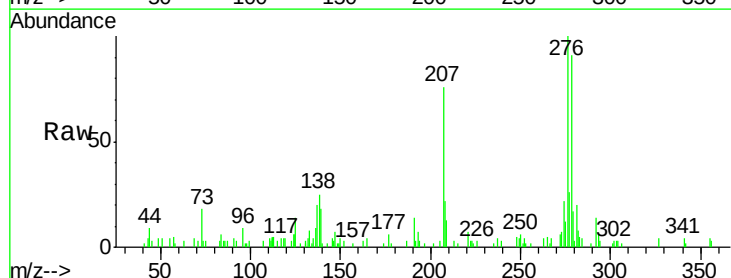
Tgt Ion:278 Resp: 36826

Ion Ratio Lower Upper

278 100

139 22.0 6.7 10.1#

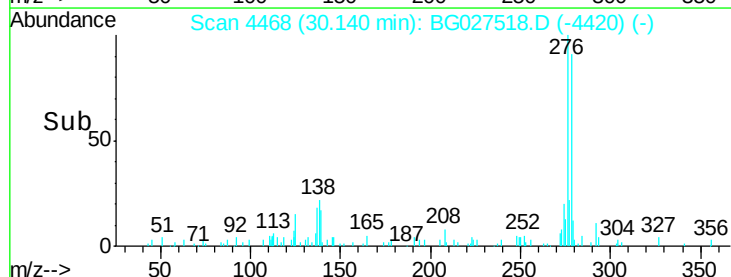
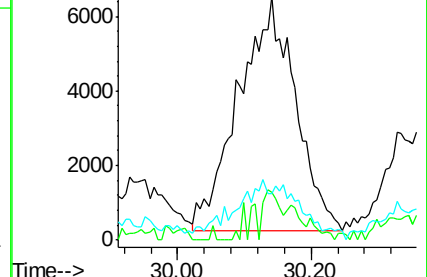
279 19.0 20.9 31.3#

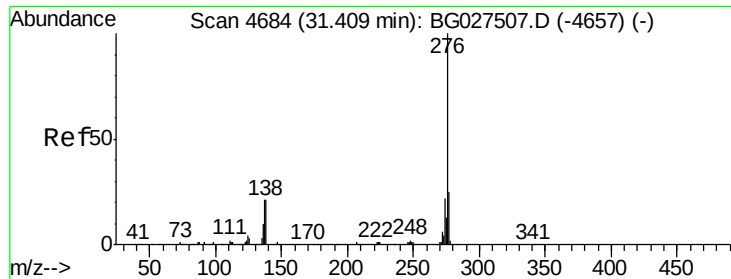


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.94 ng/ul

RT: 31.39 min Scan# 4681

Delta R.T. -0.02 min

Lab File: BG027518.D

Acq: 17 Jun 2017 22:28

Instrument :

BNA_G

ClientSampleId :

F5B25

Tgt Ion: 276 Resp: 74038

Ion Ratio Lower Upper

276 100

138 20.2 8.6 12.8#

277 23.8 17.6 26.4

