

Data File : BG027511.D
Acq On : 17 Jun 2017 17:51
Operator : SJ/MA
Sample : I3599-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5D42

Quant Time: Jun 19 01:52:56 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	41026	20.00	ng/ul	0.00
18) Naphthalene-d8	11.33	136	212839	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.11	164	139508	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	328496	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	357082	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	338855	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	4.08	96	3977	3.88	ng/uL	0.00
5) Phenol-d5	7.66	99	88475	19.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	67077	22.12	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	62828	21.37	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	74692	21.47	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	31728	20.52	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	35051	21.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	66308	21.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	82441	20.99	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	247211	21.16	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	288217	21.42	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	36911	16.15	ng/ul	0.00
57) Fluorene-d10	16.09	176	221456	20.21	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	36666	17.97	ng/ul	0.00
70) Anthracene-d10	17.96	188	343484	22.43	ng/ul	0.00
76) Pyrene-d10	20.22	212	374394	21.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.64	264	335891	22.01	ng/ul	0.00

Target Compounds				Qvalue		
6) Phenol	7.68	94	11640	2.50	ng/ul#	88
16) 4-Methylphenol	9.25	108	14173	3.83	ng/ul	93
28) Naphthalene	11.39	128	16038	1.47	ng/ul#	96
44) Dimethylphthalate	14.54	163	62768	5.42	ng/ul	96
69) Phenanthrene	17.90	178	93140	5.28	ng/ul	98
71) Anthracene	17.99	178	38403	2.14	ng/ul	97
72) Carbazole	18.26	167	19260	1.25	ng/ul#	90
74) Fluoranthene	19.89	202	686110	34.54	ng/ul#	86
77) Pyrene	20.25	202	625893	29.65	ng/ul#	82
80) Benzo(a)anthracene	22.21	228	387263	19.47	ng/ul	99
82) Chrysene	22.29	228	393234	21.90	ng/ul	98
85) Benzo(b)fluoranthene	24.71	252	508008	25.17	ng/ul#	95
86) Benzo(k)fluoranthene	24.71	252	508008	26.19	ng/ul#	96
88) Benzo(a)pyrene	25.71	252	213170	11.00	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	30.07	276	133344	6.03	ng/ul#	87
90) Dibenzo(a,h)anthracene	30.14	278	41312	2.18	ng/ul#	93
91) Benzo(g,h,i)perylene	31.39	276	45912	2.54	ng/ul#	88

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

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ClientSampleId :

F5D42

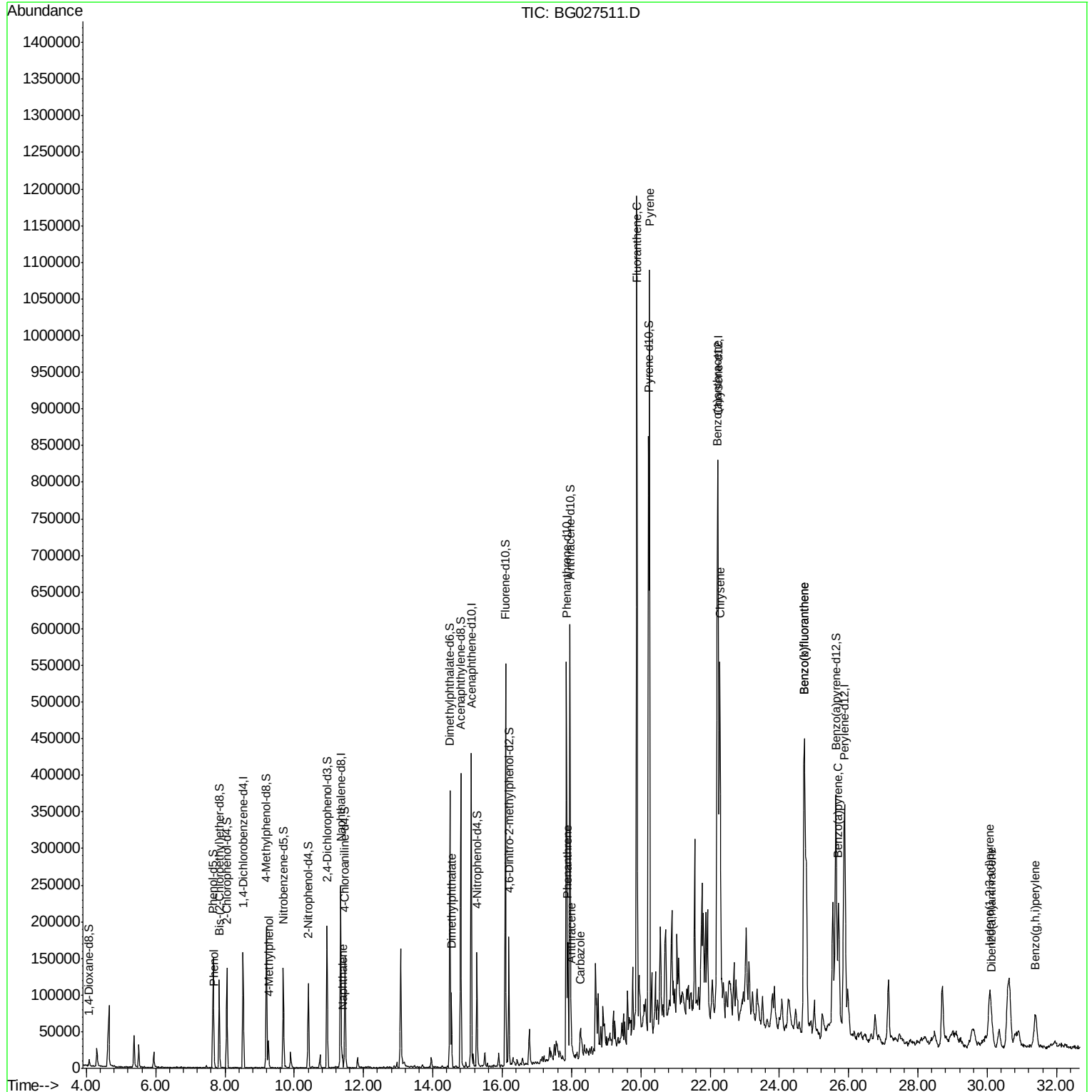
Quant Time: Jun 19 01:52:56 2017

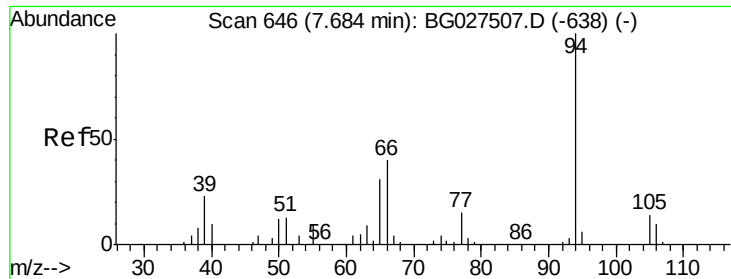
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#6

Phenol

Concen: 2.50 ng/ul

RT: 7.68 min Scan# 645

Delta R.T. -0.00 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

Instrument :

BNA_G

ClientSampleId :

F5D42

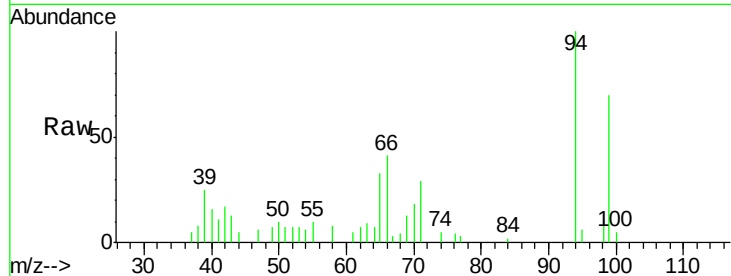
Tgt Ion: 94 Resp: 11640

Ion Ratio Lower Upper

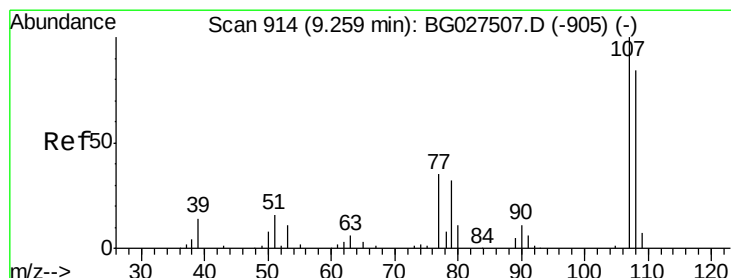
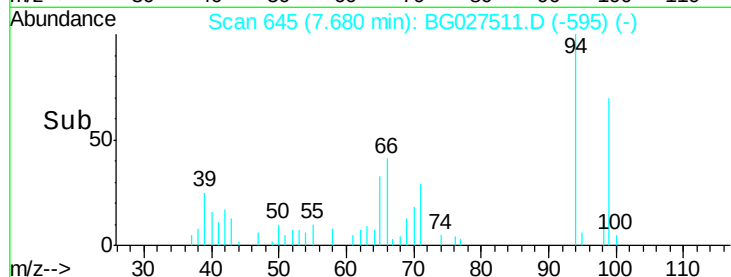
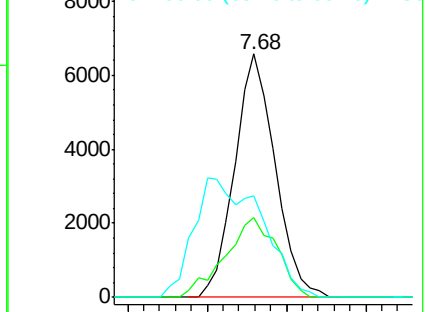
94 100

65 32.8 26.8 40.2

66 41.5 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



#16

4-Methylphenol

Concen: 3.83 ng/ul

RT: 9.25 min Scan# 913

Delta R.T. -0.00 min

Lab File: BG027511.D

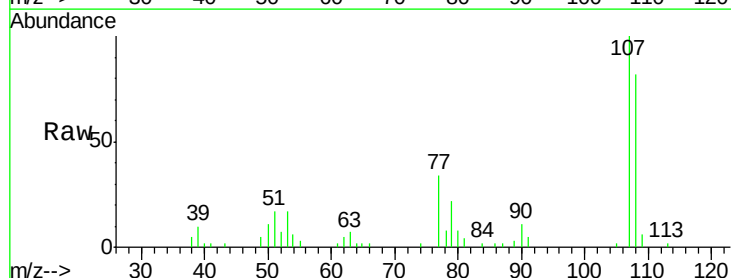
Acq: 17 Jun 2017 17:51

Tgt Ion: 108 Resp: 14173

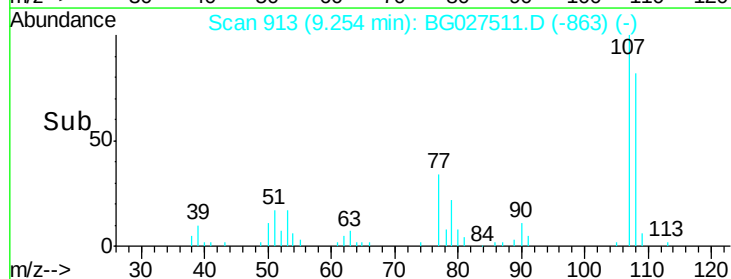
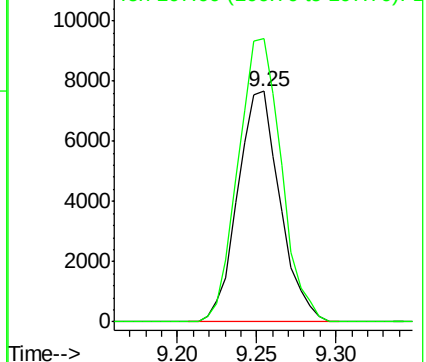
Ion Ratio Lower Upper

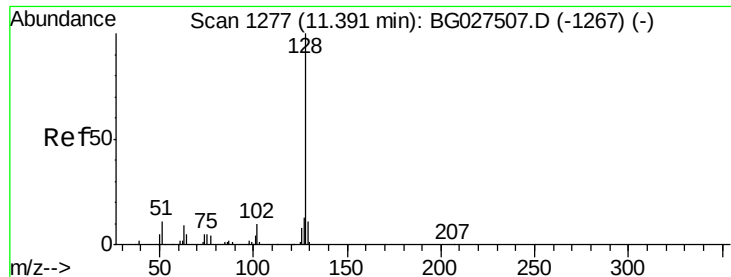
108 100

107 122.6 91.7 137.5



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

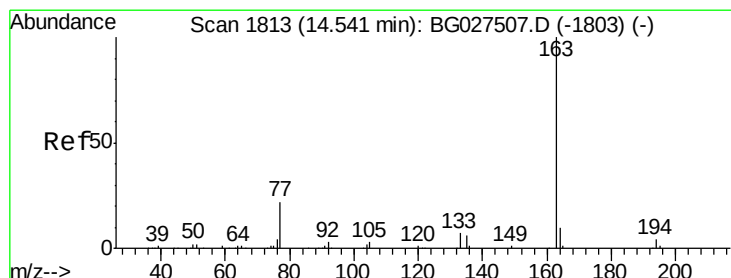
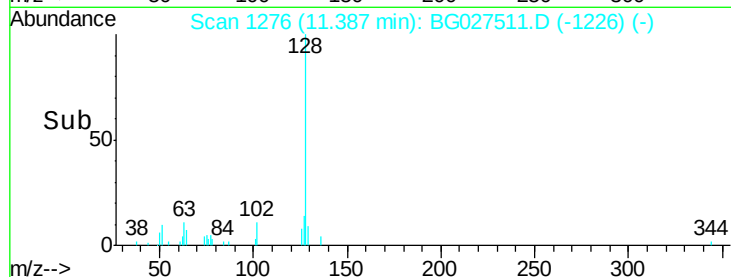
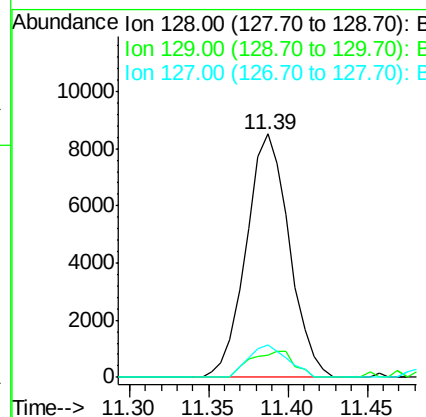
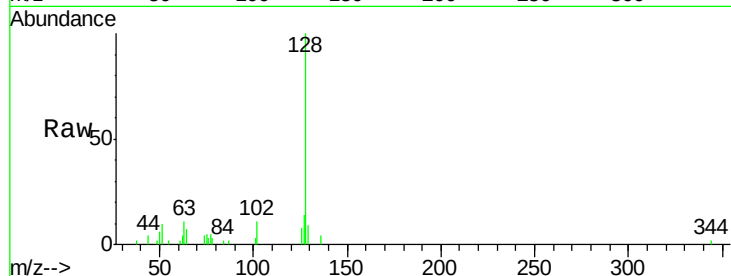




#28
Naphthalene
Concen: 1.47 ng/ul
RT: 11.39 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG027511.D
Acq: 17 Jun 2017 17:51

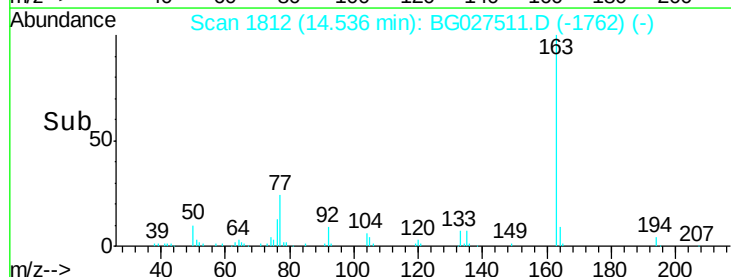
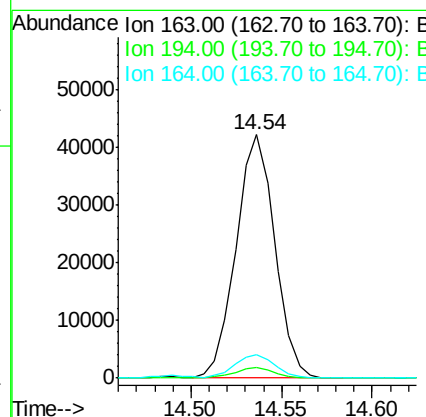
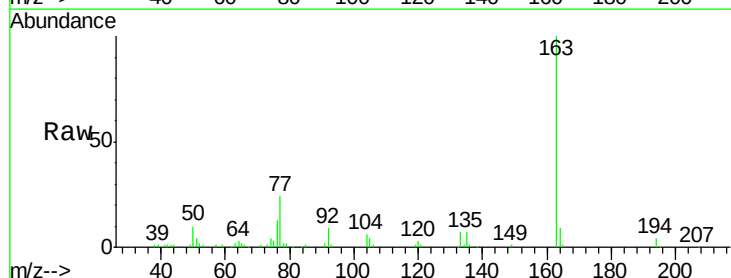
Instrument :
BNA_G
ClientSampleId :
F5D42

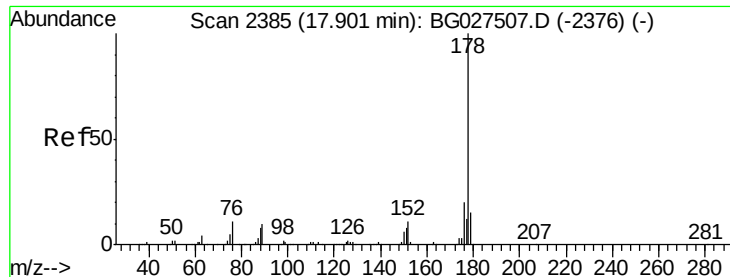
Tgt Ion:128 Resp: 16038
Ion Ratio Lower Upper
128 100
129 9.1 9.4 14.2#
127 13.5 10.3 15.5



#44
Dimethylphthalate
Concen: 5.42 ng/ul
RT: 14.54 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BG027511.D
Acq: 17 Jun 2017 17:51

Tgt Ion:163 Resp: 62768
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.0
164 9.4 9.0 13.4





#69

Phenanthrene

Concen: 5.28 ng/ul

RT: 17.90 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

Instrument :

BNA_G

ClientSampleId :

F5D42

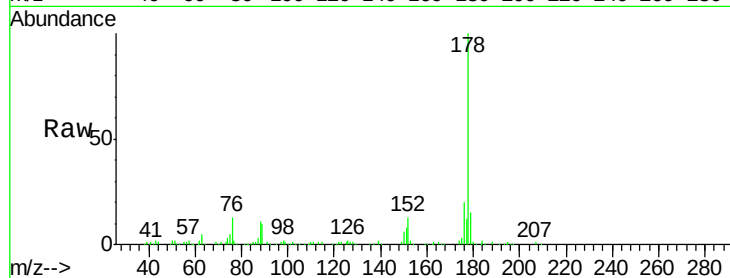
Tgt Ion:178 Resp: 93140

Ion Ratio Lower Upper

178 100

179 15.0 12.4 18.6

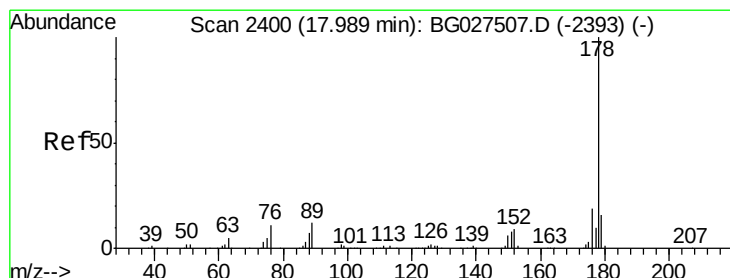
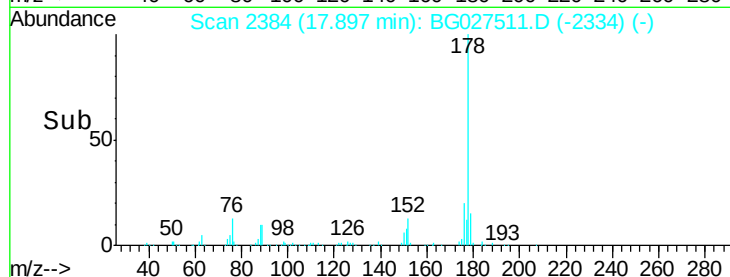
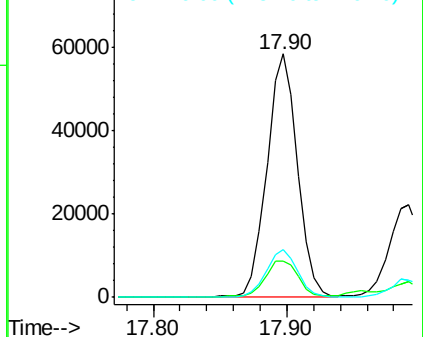
176 19.6 16.5 24.7



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: 2.14 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

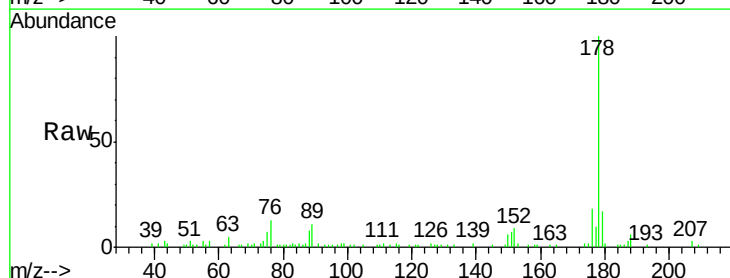
Tgt Ion:178 Resp: 38403

Ion Ratio Lower Upper

178 100

179 16.7 12.6 19.0

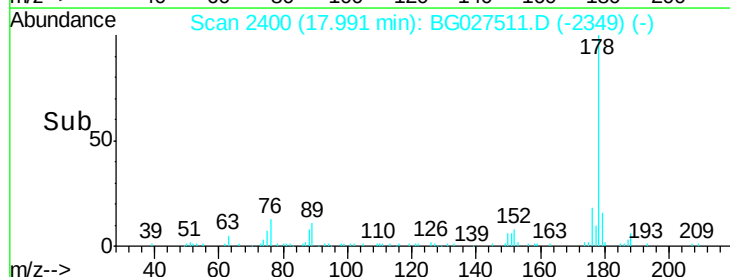
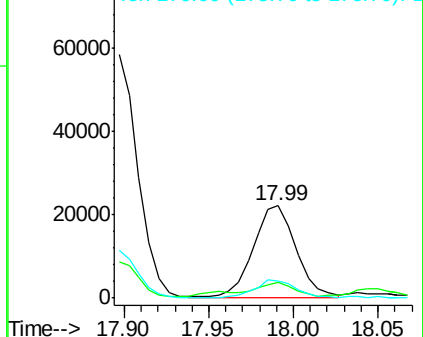
176 18.5 15.9 23.9

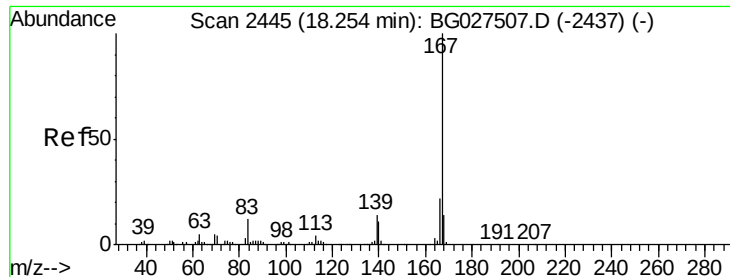


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.25 ng/ul

RT: 18.26 min Scan# 2445

Delta R.T. 0.00 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

Instrument :

BNA_G

ClientSampleId :

F5D42

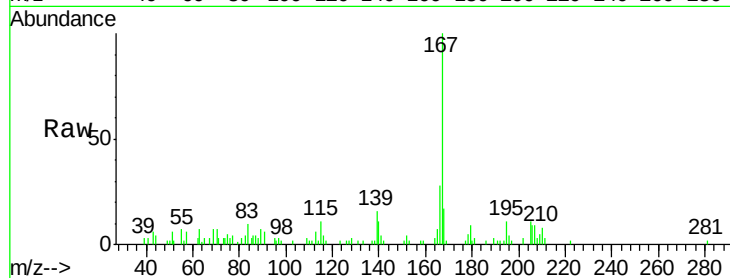
Tgt Ion:167 Resp: 19260

Ion Ratio Lower Upper

167 100

166 27.8 17.9 26.9#

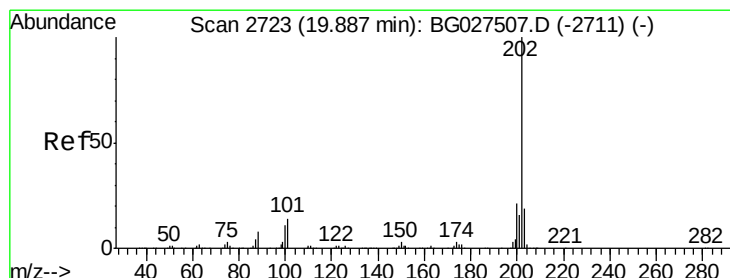
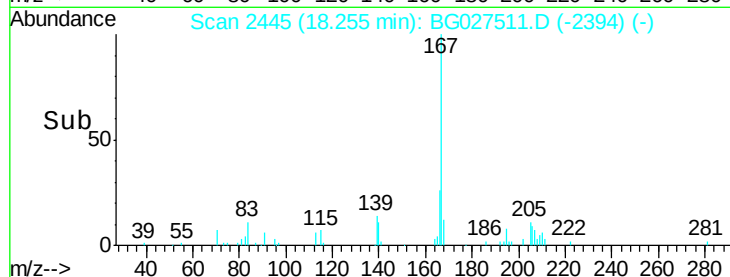
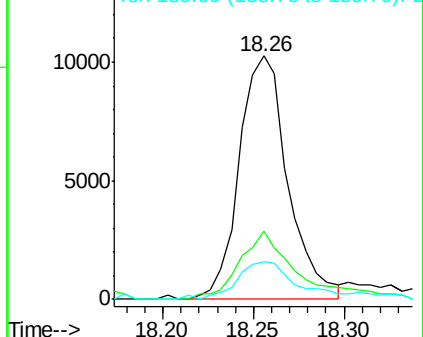
139 15.7 10.5 15.7



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: 34.54 ng/ul

RT: 19.89 min Scan# 2723

Delta R.T. 0.00 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

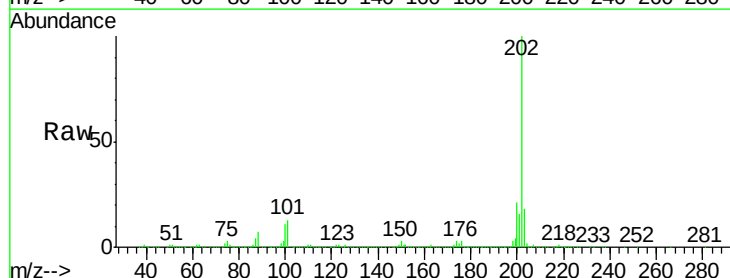
Tgt Ion:202 Resp: 686110

Ion Ratio Lower Upper

202 100

101 13.3 6.2 9.2#

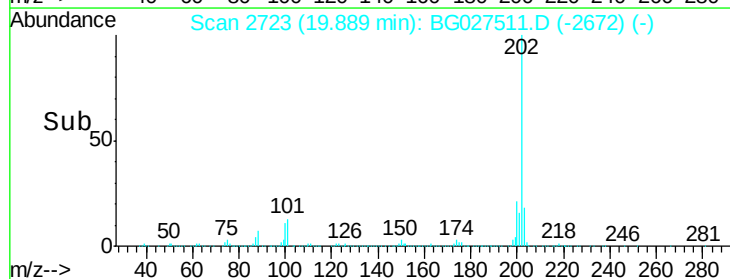
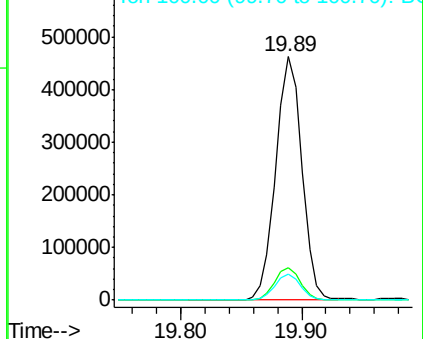
100 10.8 5.2 7.8#

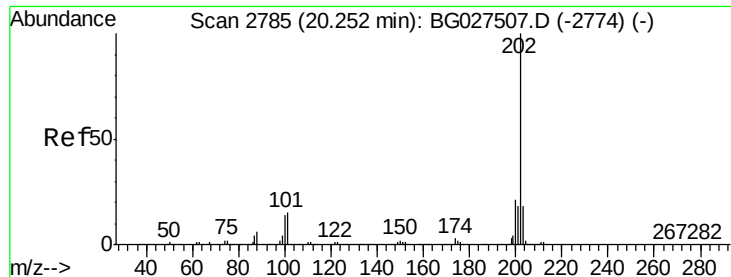


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

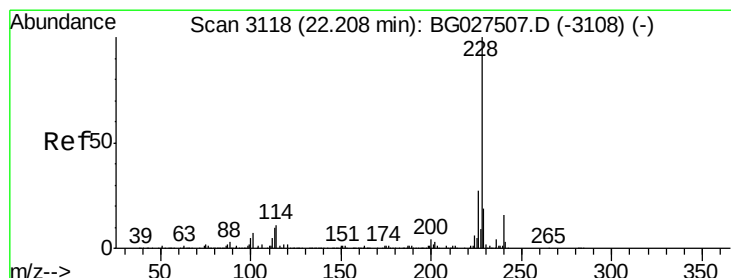
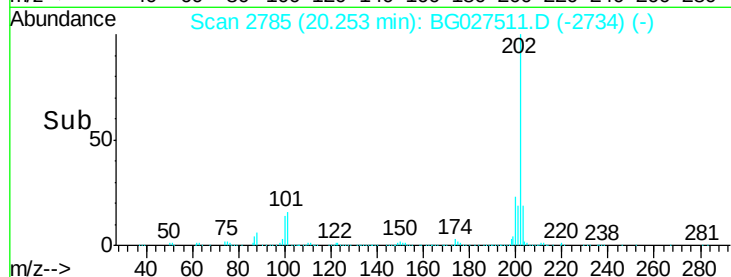
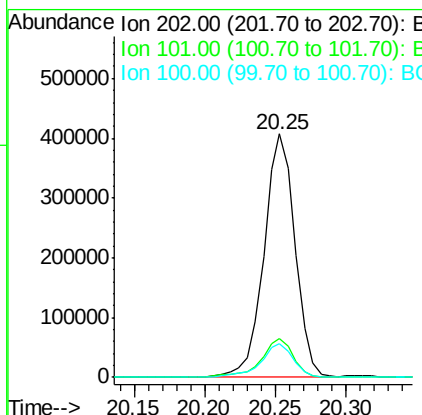
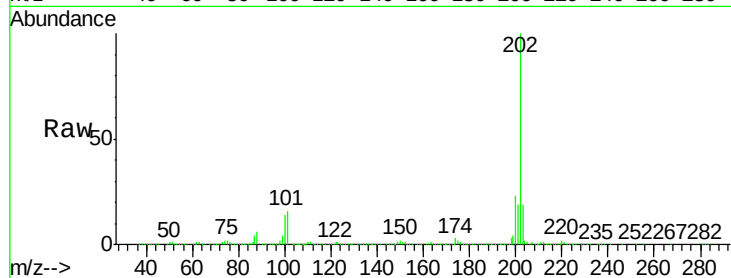




#77
 Pyrene
 Concen: 29.65 ng/ul
 RT: 20.25 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: BG027511.D
 Acq: 17 Jun 2017 17:51

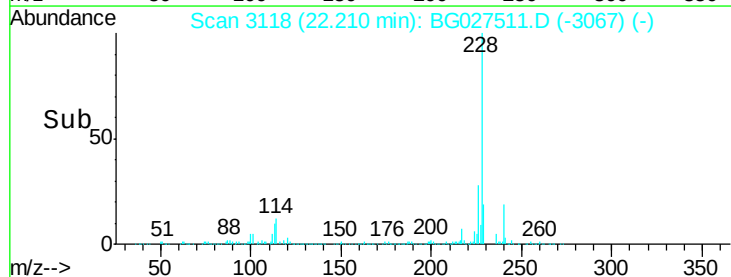
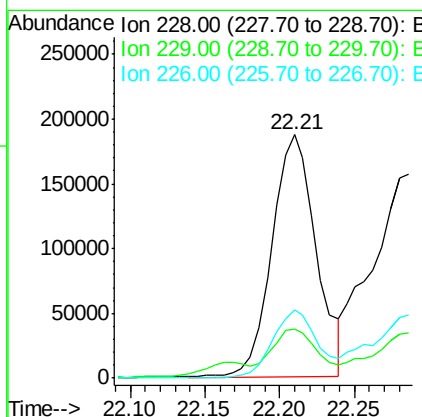
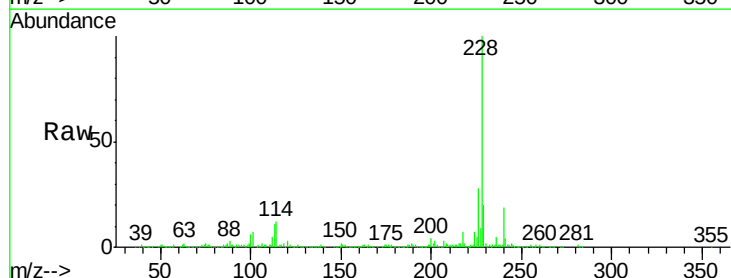
Instrument :
 BNA_G
 ClientSampled :
 F5D42

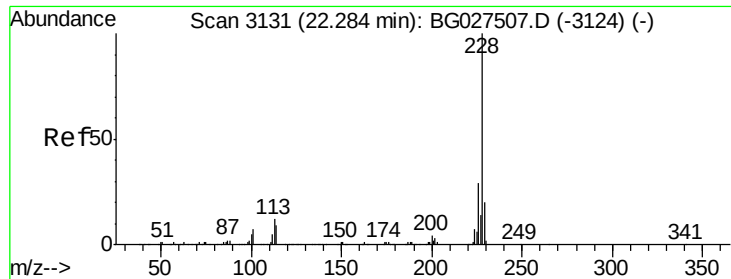
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.9	6.9	10.3#
100	13.7	6.6	10.0#



#80
 Benzo(a)anthracene
 Concen: 19.47 ng/ul
 RT: 22.21 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: BG027511.D
 Acq: 17 Jun 2017 17:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.3	24.5
226	28.1	21.9	32.9





#82

Chrysene

Concen: 21.90 ng/ul

RT: 22.29 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

Instrument :

BNA_G

ClientSampleId :

F5D42

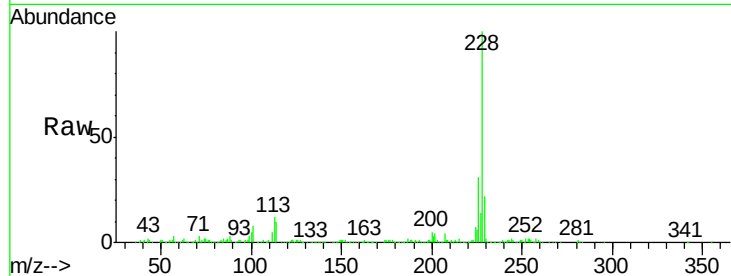
Tgt Ion:228 Resp: 393234

Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

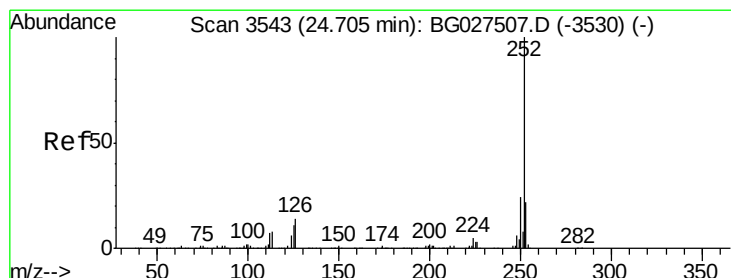
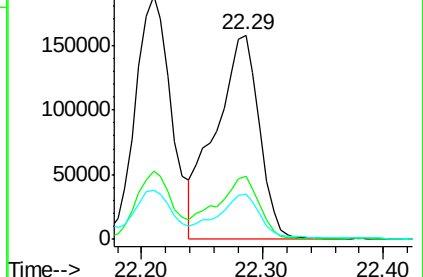
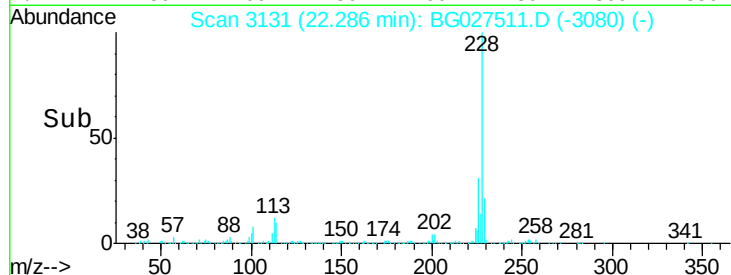
229 22.1 16.9 25.3



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: 25.17 ng/ul

RT: 24.71 min Scan# 3544

Delta R.T. 0.01 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

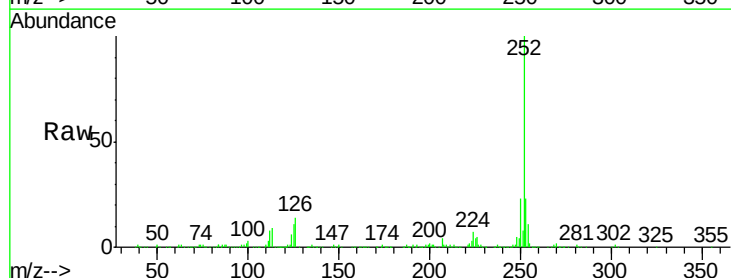
Tgt Ion:252 Resp: 508008

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

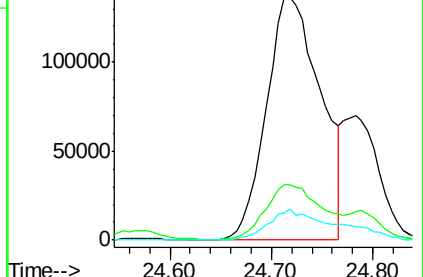
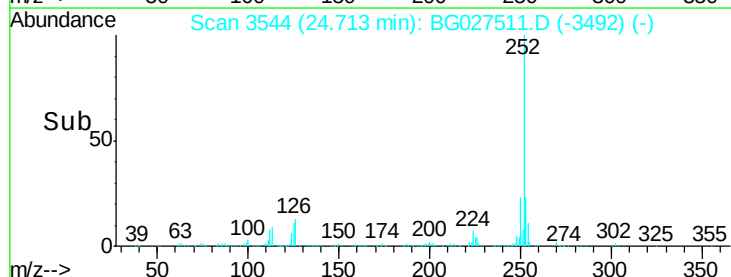
125 11.4 4.0 6.0#

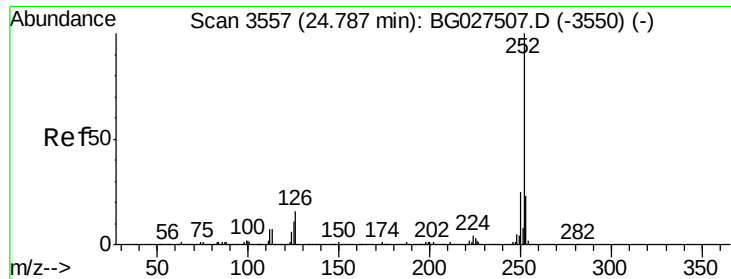


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

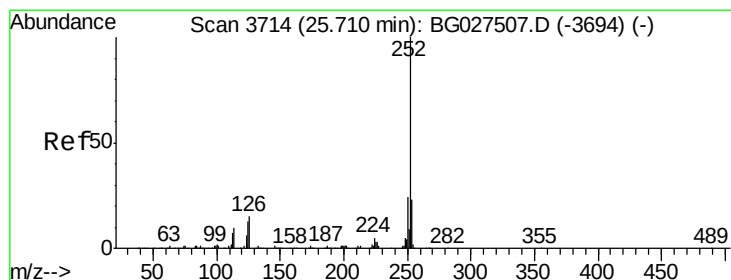
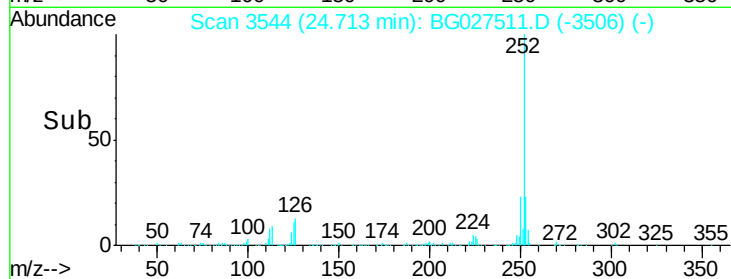
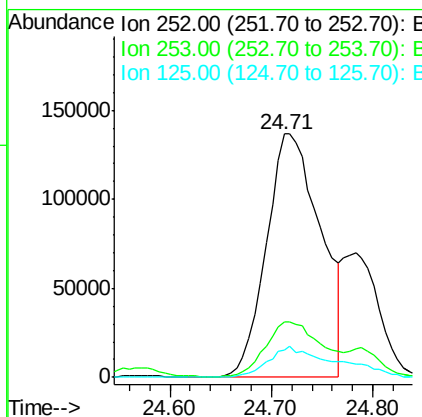
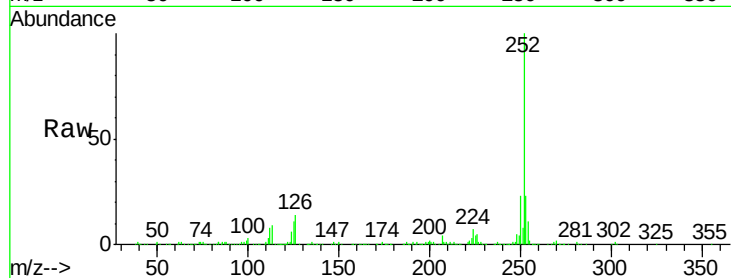




#86
Benzo(k)fluoranthene
Concen: 26.19 ng/ul
RT: 24.71 min Scan# 3544
Delta R.T. -0.07 min
Lab File: BG027511.D
Acq: 17 Jun 2017 17:51

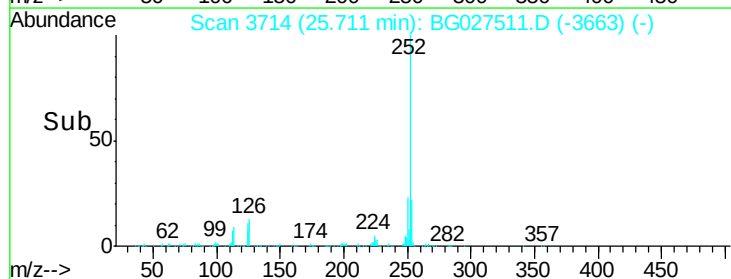
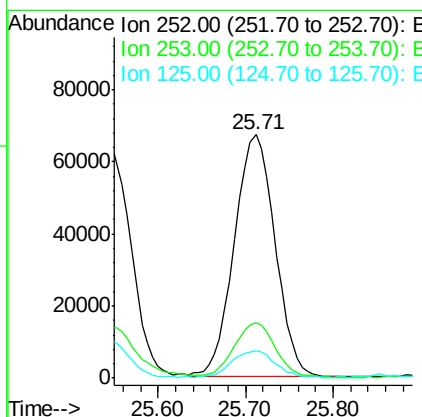
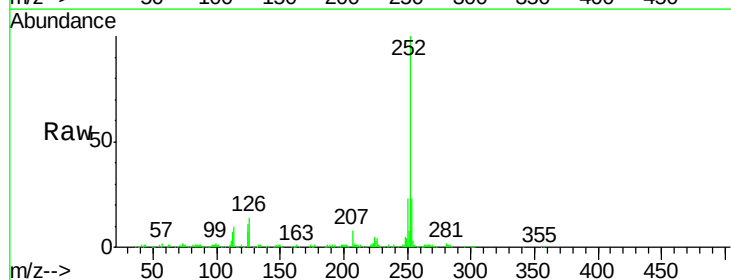
Instrument :
BNA_G
ClientSampleId :
F5D42

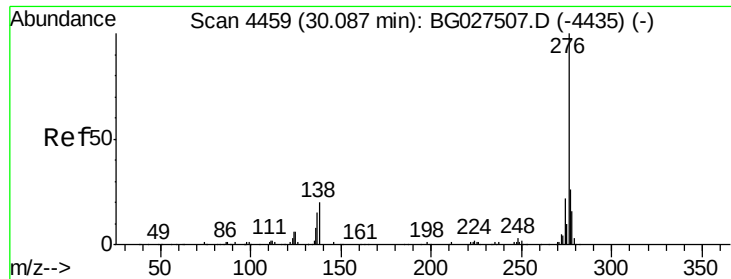
Tgt Ion:252 Resp: 508008
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 11.4 4.1 6.1#



#88
Benzo(a)pyrene
Concen: 11.00 ng/ul
RT: 25.71 min Scan# 3714
Delta R.T. 0.00 min
Lab File: BG027511.D
Acq: 17 Jun 2017 17:51

Tgt Ion:252 Resp: 213170
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.3 5.4 8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 6.03 ng/ul

RT: 30.07 min Scan# 4456

Delta R.T. -0.02 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

Instrument :

BNA_G

ClientSampleId :

F5D42

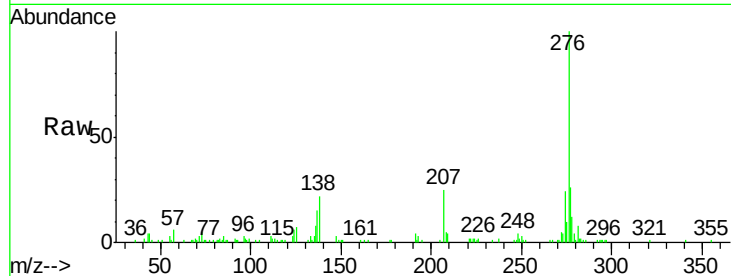
Tgt Ion:276 Resp: 133344

Ion Ratio Lower Upper

276 100

138 21.5 8.2 12.4#

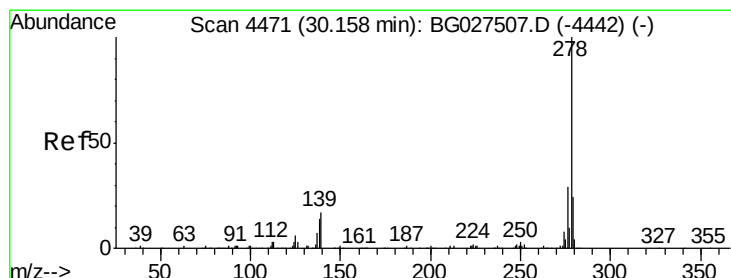
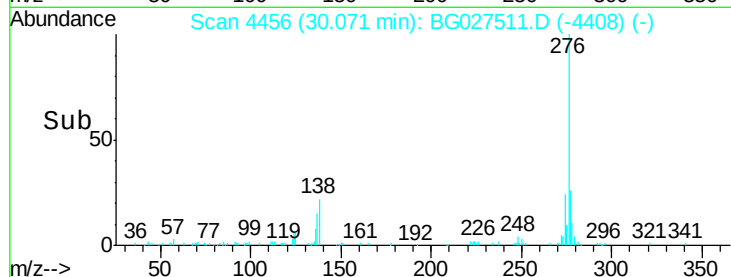
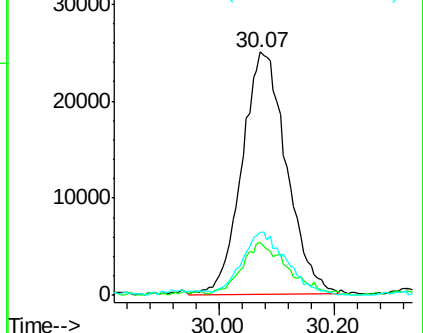
277 26.0 18.6 28.0



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: 2.18 ng/ul

RT: 30.14 min Scan# 4468

Delta R.T. -0.02 min

Lab File: BG027511.D

Acq: 17 Jun 2017 17:51

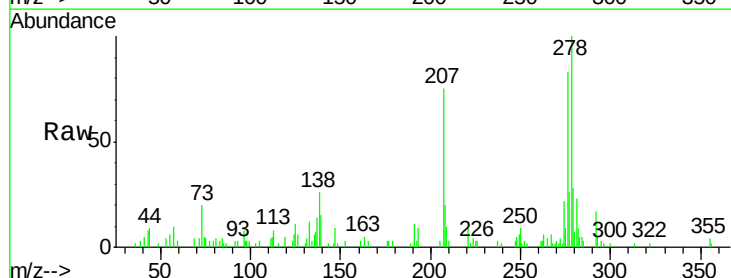
Tgt Ion:278 Resp: 41312

Ion Ratio Lower Upper

278 100

139 15.0 6.7 10.1#

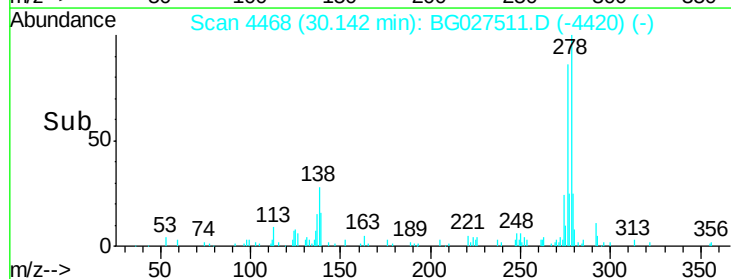
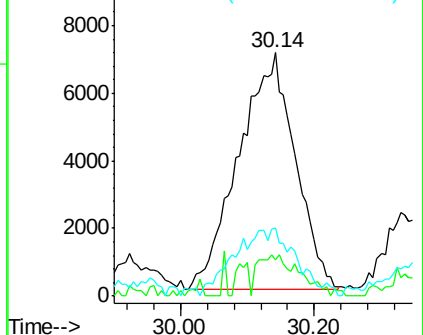
279 27.8 20.9 31.3

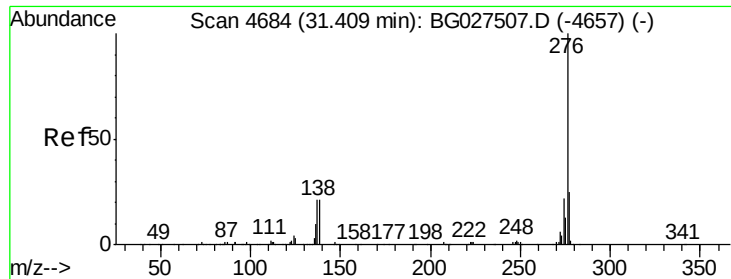


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.54 ng/ul
 RT: 31.39 min Scan# 4680
 Delta R.T. -0.02 min
 Lab File: BG027511.D
 Acq: 17 Jun 2017 17:51

Instrument :
 BNA_G
 ClientSampleId :
 F5D42

Tgt Ion: 276 Resp: 45912
 Ion Ratio Lower Upper
 276 100
 138 22.8 8.6 12.8#
 277 22.8 17.6 26.4

