

Data File : BG027519.D
Acq On : 17 Jun 2017 23:07
Operator : SJ/MA
Sample : I3599-10 20X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B24

Quant Time: Jun 19 01:55:18 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	48458	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	251344	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	162584	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	357972	20.00	ng/ul	0.00
75) Chrysene-d12	22.24	240	403371	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	376670	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	4385	0.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.84	67	2828	0.79	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	2685	0.77	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	3010	0.73	ng/ul	0.00
19) Nitrobenzene-d5	9.69	128	1163	0.64	ng/ul	0.00
22) 2-Nitrophenol-d4	10.42	143	1523	0.79	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.94	165	2730	0.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	3935	0.85	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	10523	0.77	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	12256	0.78	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	1315	0.49	ng/ul	0.01
57) Fluorene-d10	16.09	176	10720	0.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	828	0.37	ng/ul	0.00
70) Anthracene-d10	17.95	188	15822	0.95	ng/ul	0.00
76) Pyrene-d10	20.23	212	17724	0.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	14902	0.88	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.39	128	114289	8.85	ng/ul	97
30) 4-Chloroaniline	11.39	127	15955	3.49	ng/ul#	28
34) 2-Methylnaphthalene	12.95	142	37158	3.88	ng/ul	95
40) 1,1'-Biphenyl	13.94	154	13724	1.07	ng/ul#	96
49) Acenaphthene	15.17	153	235312	21.47	ng/ul	99
53) Dibenzofuran	15.50	168	132401	8.29	ng/ul	96
58) Fluorene	16.14	166	215804	16.28	ng/ul	100
69) Phenanthrene	17.90	178	890140	46.27	ng/ul	99
71) Anthracene	17.99	178	318275	16.27	ng/ul	99
72) Carbazole	18.25	167	81686	4.86	ng/ul	98
74) Fluoranthene	19.90	202	2413665	111.52	ng/ul#	81
77) Pyrene	20.26	202	1920496	80.55	ng/ul#	78
80) Benzo(a)anthracene	22.21	228	854402	38.04	ng/ul	98
82) Chrysene	22.29	228	898869	44.31	ng/ul	97
85) Benzo(b)fluoranthene	24.73	252	1116763	49.78	ng/ul#	95
86) Benzo(k)fluoranthene	24.73	252	1116763	51.79	ng/ul#	97
88) Benzo(a)pyrene	25.72	252	498425	23.14	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	30.09	276	277785	11.30	ng/ul#	90
90) Dibenzo(a,h)anthracene	30.13	278	86926	4.12	ng/ul#	89
91) Benzo(g,h,i)perylene	31.40	276	85960	4.27	ng/ul#	87

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

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Sample : I3599-10 20X

Misc :

ALS Vial : 51 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

F5B24

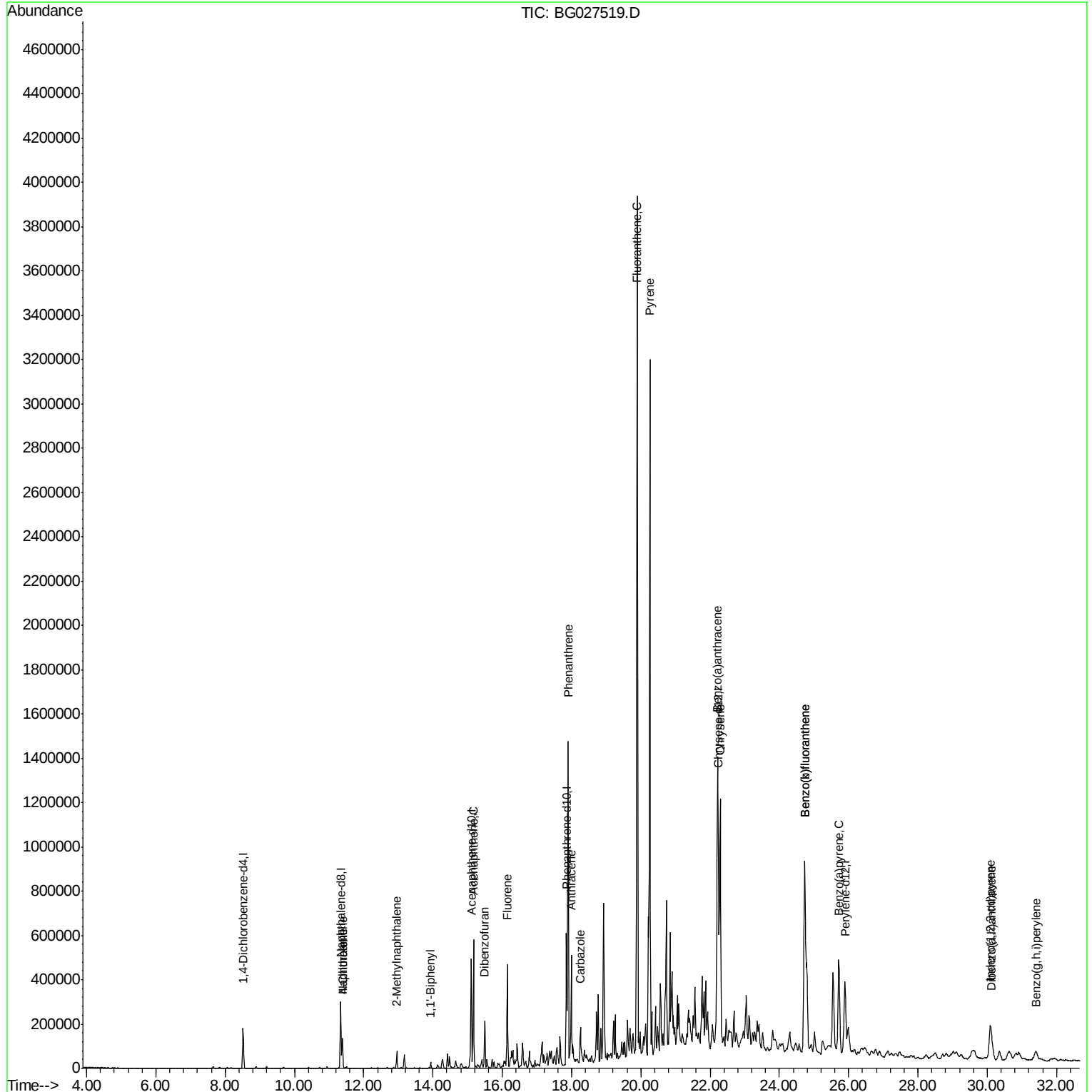
Quant Time: Jun 19 01:55:18 2017

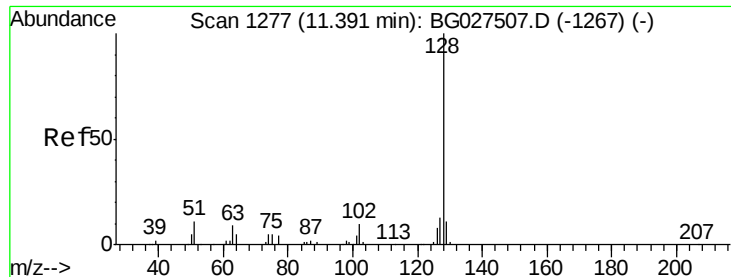
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration

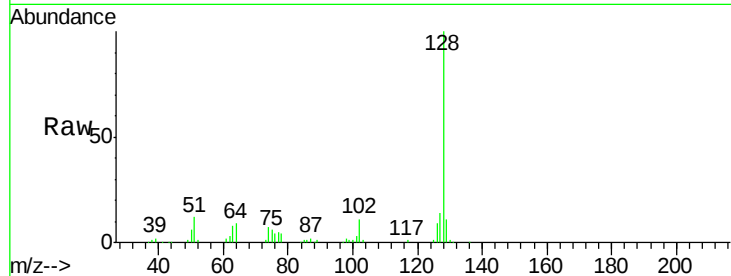




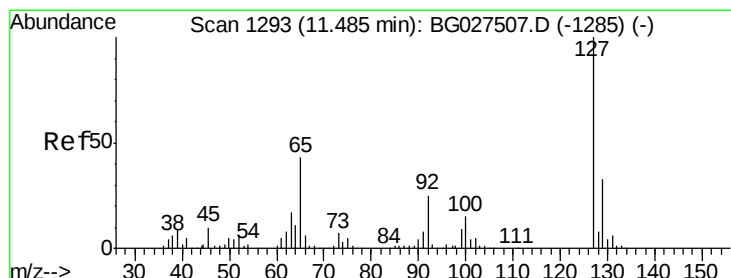
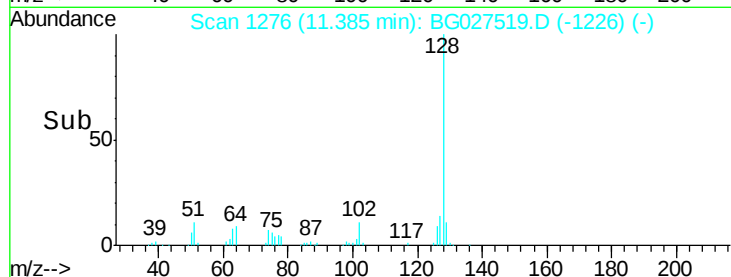
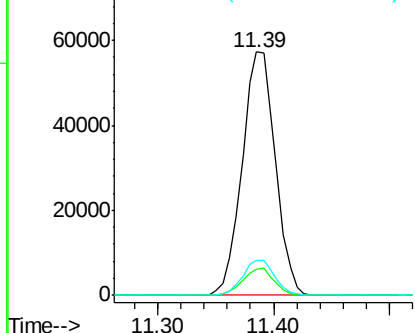
#28
Naphthalene
Concen: 8.85 ng/ul
RT: 11.39 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Instrument :
BNA_G
ClientSampleId :
F5B24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	14.1	10.3	15.5

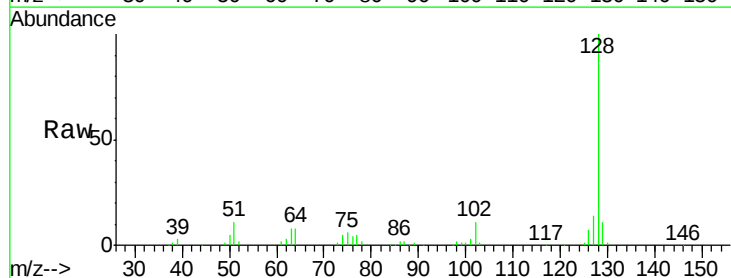


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

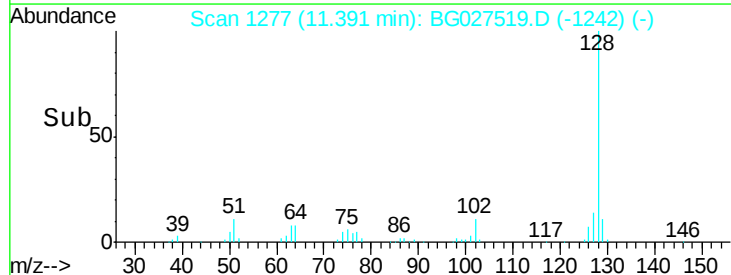
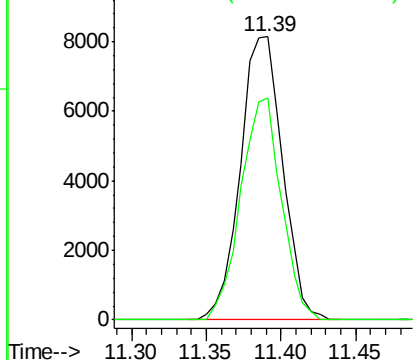


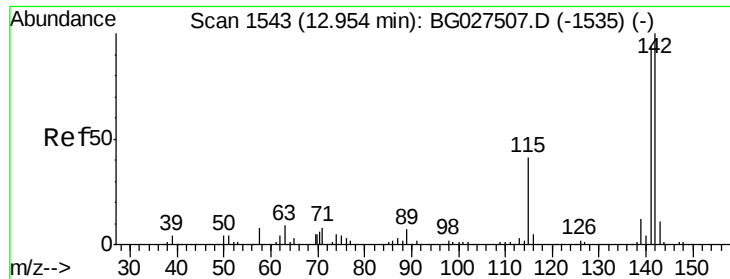
#30
4-Chloroaniline
Concen: 3.49 ng/ul
RT: 11.39 min Scan# 1277
Delta R.T. -0.09 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion	Ratio	Lower	Upper
127	100		
129	78.5	28.9	43.3#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

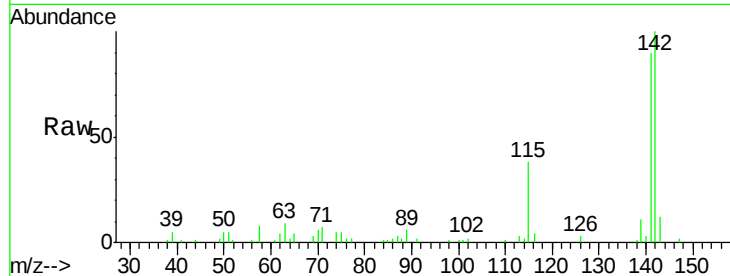




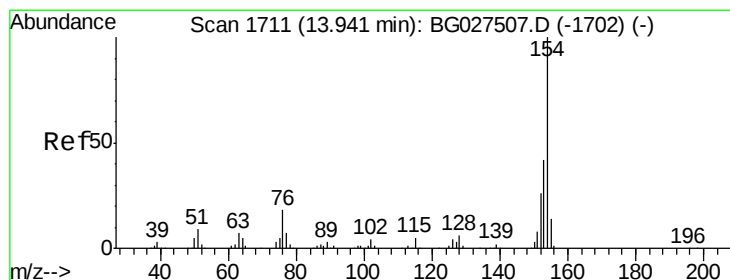
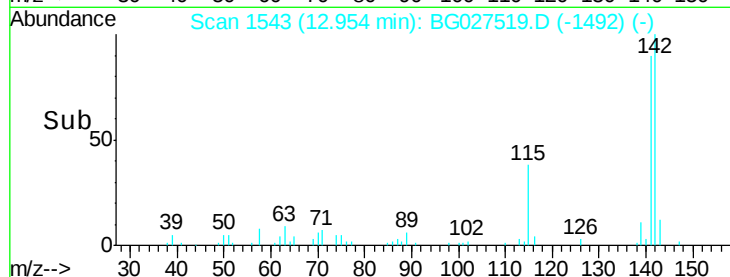
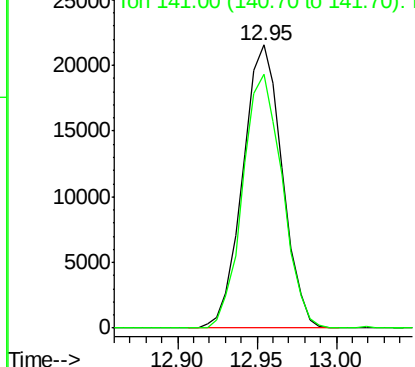
#34
 2-Methylnaphthalene
 Concen: 3.88 ng/ul
 RT: 12.95 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: BG027519.D
 Acq: 17 Jun 2017 23:07

Instrument :
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Tgt Ion:142 Resp: 37158
 Ion Ratio Lower Upper
 142 100
 141 89.8 68.6 102.8

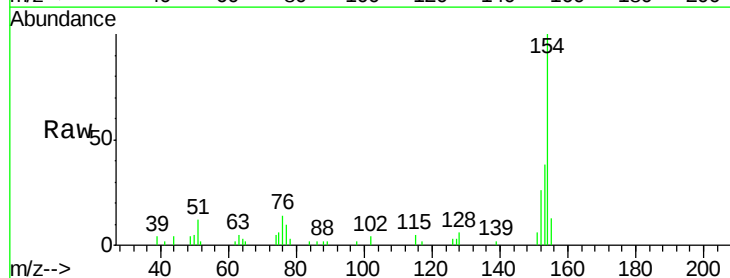


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

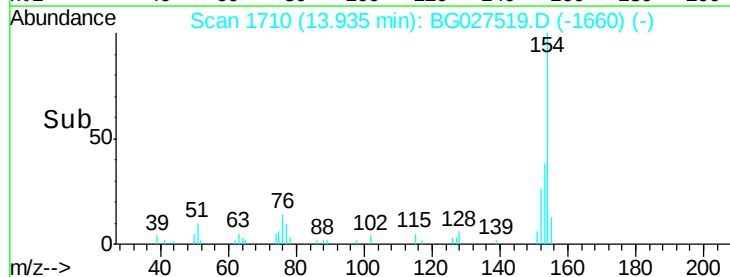
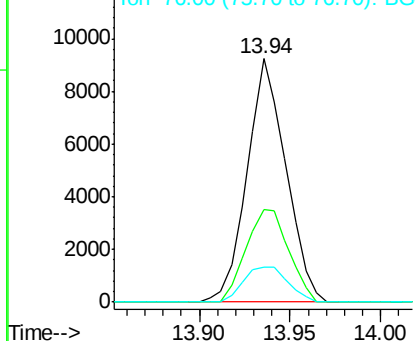


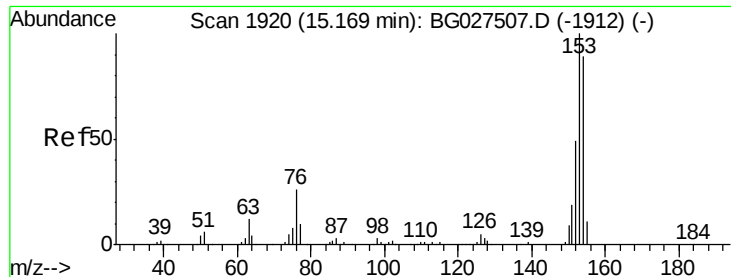
#40
 1,1'-Biphenyl
 Concen: 1.07 ng/ul
 RT: 13.94 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG027519.D
 Acq: 17 Jun 2017 23:07

Tgt Ion:154 Resp: 13724
 Ion Ratio Lower Upper
 154 100
 153 38.1 32.2 48.2
 76 14.5 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): BG





#49

Acenaphthene

Concen: 21.47 ng/ul

RT: 15.17 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

ClientSampleId :

F5B24

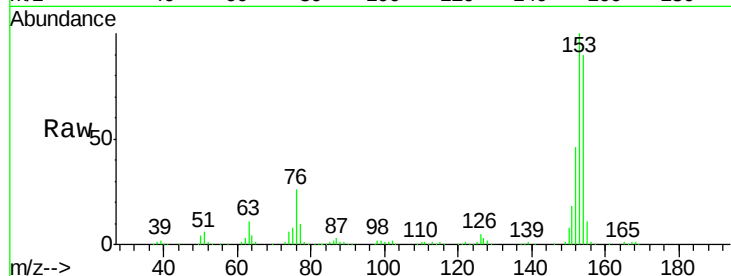
Tgt Ion:153 Resp: 235312

Ion Ratio Lower Upper

153 100

152 46.5 36.5 54.7

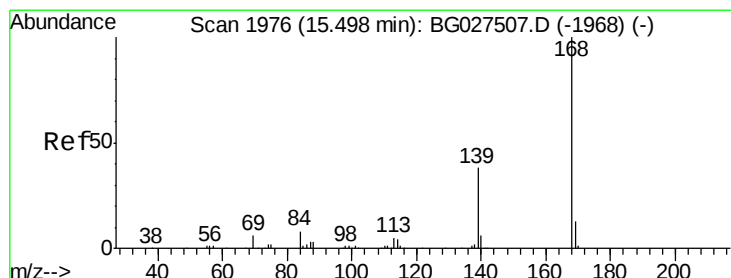
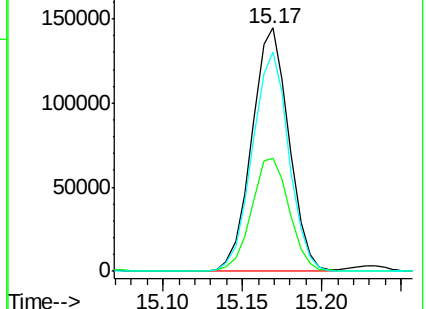
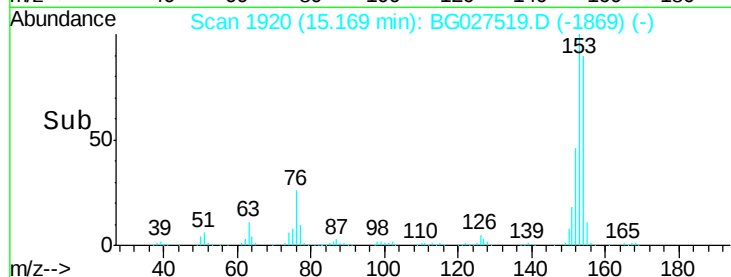
154 89.8 72.3 108.5



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: 8.29 ng/ul

RT: 15.50 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG027519.D

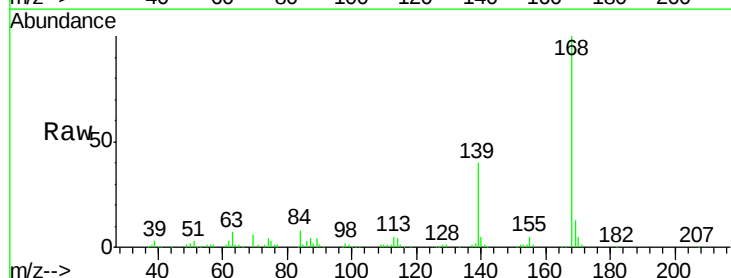
Acq: 17 Jun 2017 23:07

Tgt Ion:168 Resp: 132401

Ion Ratio Lower Upper

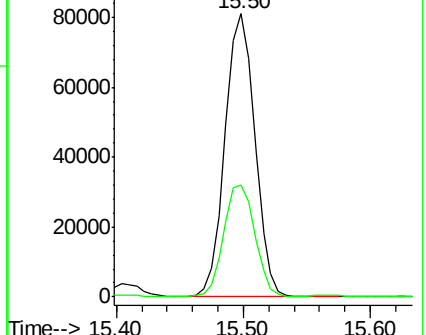
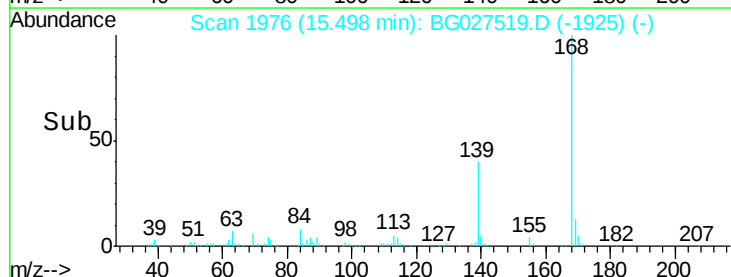
168 100

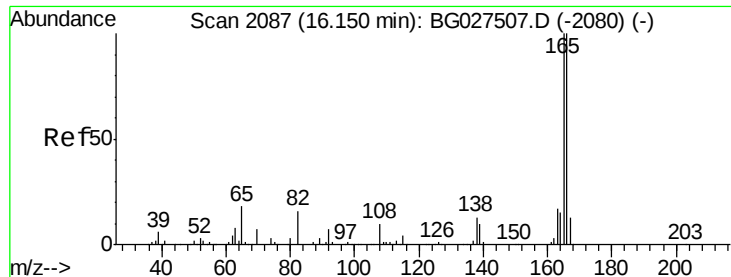
139 39.6 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 16.28 ng/ul

RT: 16.14 min Scan# 2086

Delta R.T. -0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

ClientSampleId :

F5B24

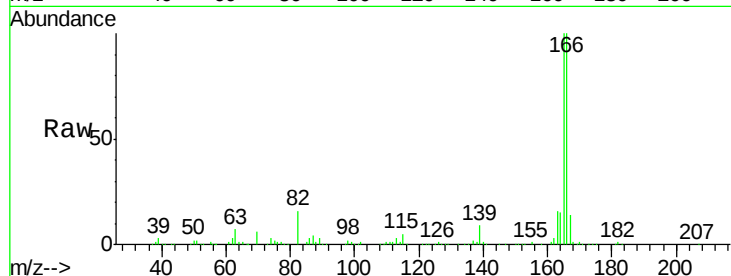
Tgt Ion:166 Resp: 215804

Ion Ratio Lower Upper

166 100

165 99.7 79.7 119.5

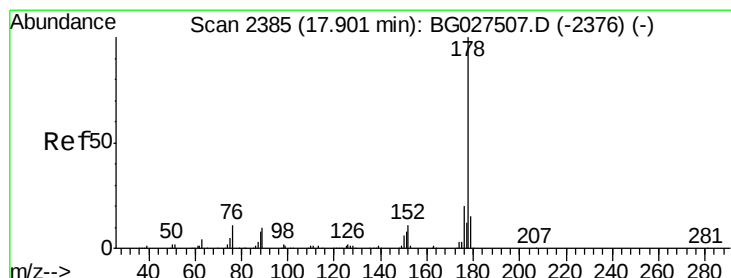
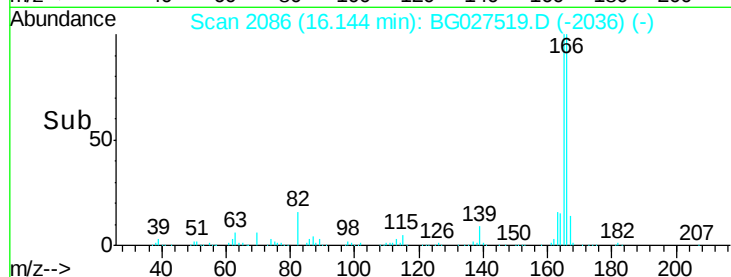
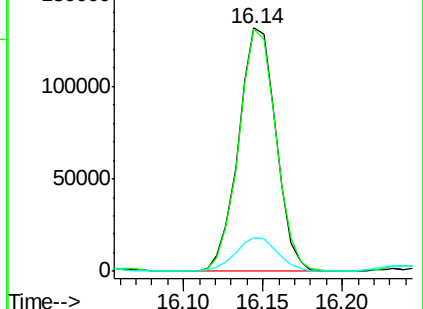
167 13.9 11.4 17.2



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: 46.27 ng/ul

RT: 17.90 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

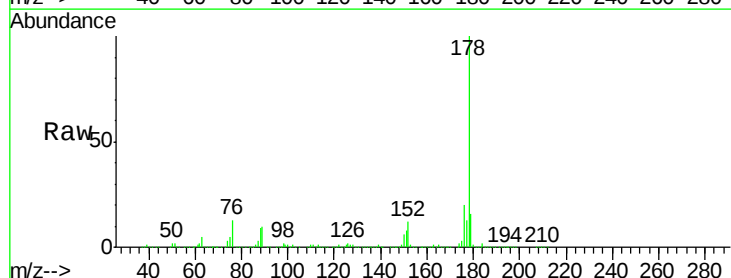
Tgt Ion:178 Resp: 890140

Ion Ratio Lower Upper

178 100

179 16.3 12.4 18.6

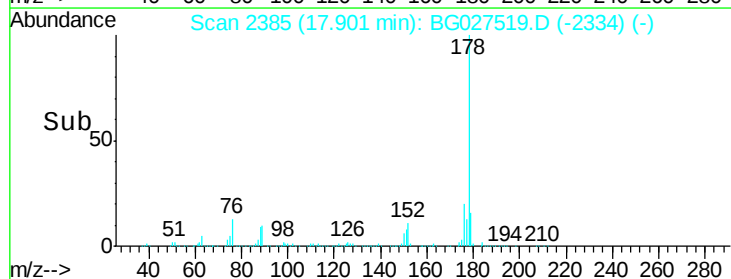
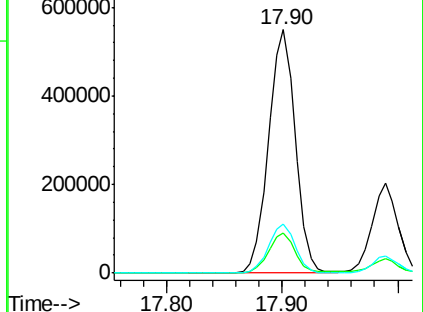
176 20.4 16.5 24.7

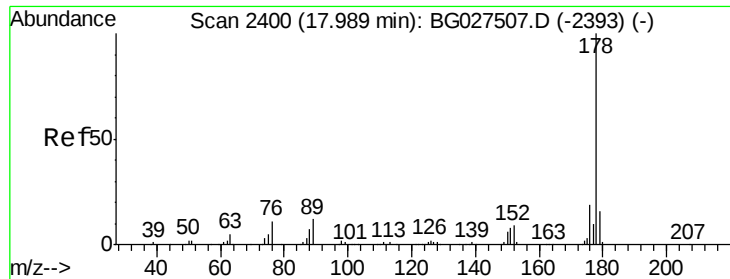


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

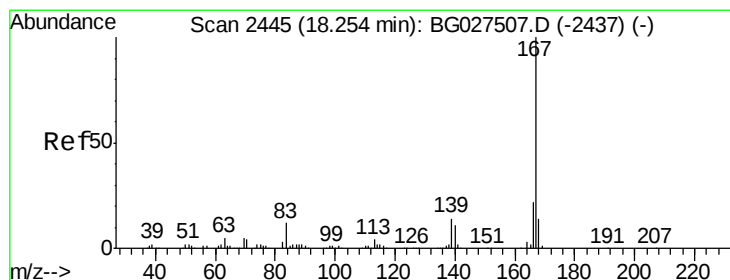
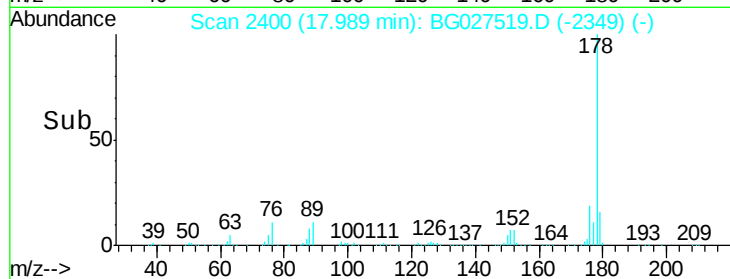
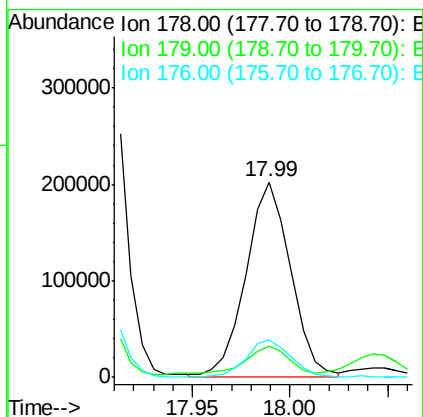
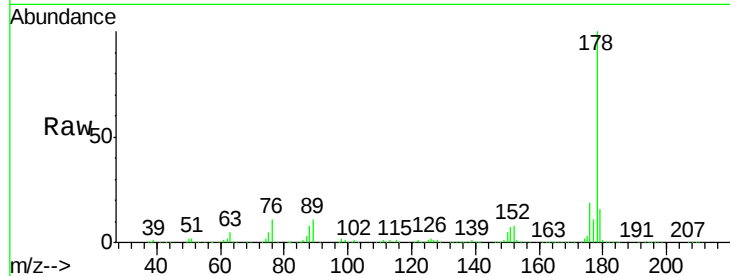




#71
 Anthracene
 Concen: 16.27 ng/ul
 RT: 17.99 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BG027519.D
 Acq: 17 Jun 2017 23:07

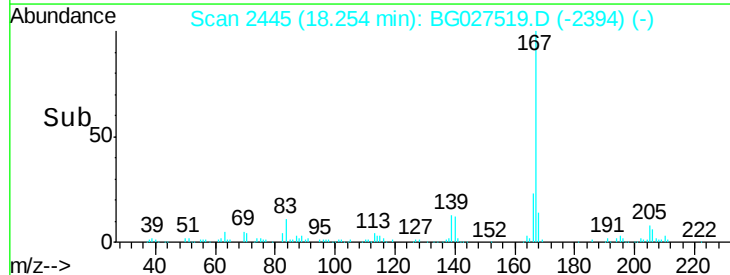
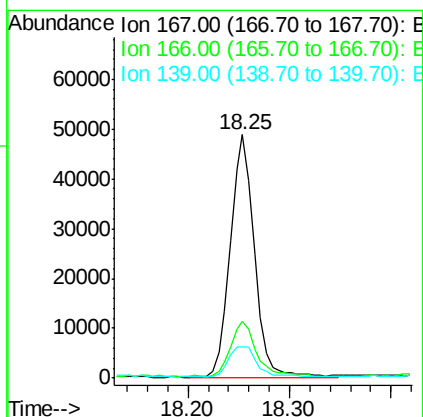
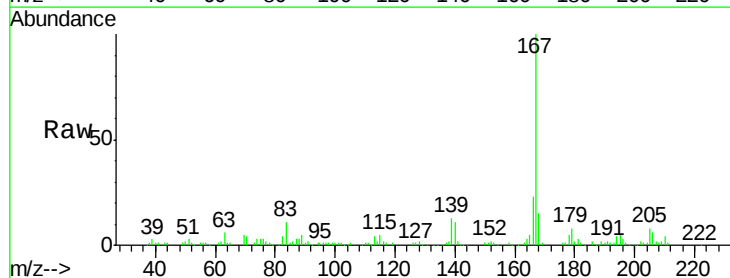
Instrument :
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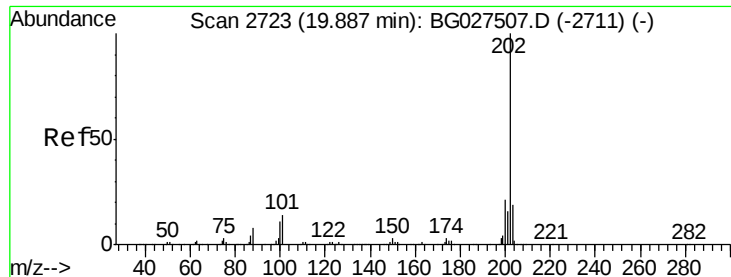
Tgt Ion:178 Resp: 318275
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.6 19.0
 176 19.3 15.9 23.9



#72
 Carbazole
 Concen: 4.86 ng/ul
 RT: 18.25 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG027519.D
 Acq: 17 Jun 2017 23:07

Tgt Ion:167 Resp: 81686
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.9 26.9
 139 13.0 10.5 15.7





#74

Fluoranthene

Concen: 111.52 ng/ul

RT: 19.90 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

ClientSampleId :

F5B24

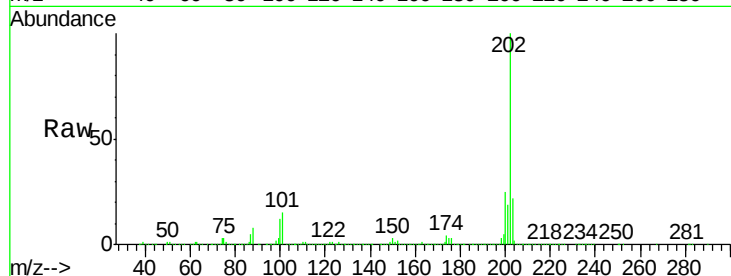
Tgt Ion:202 Resp: 2413665

Ion Ratio Lower Upper

202 100

101 15.3 6.2 9.2#

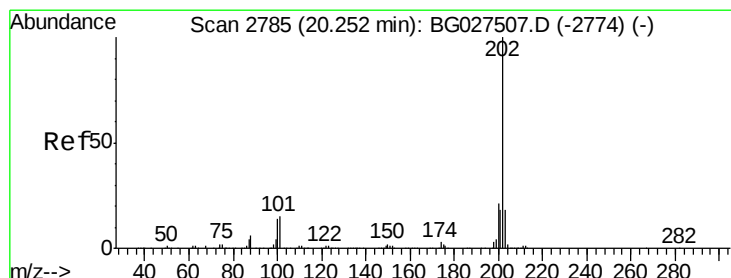
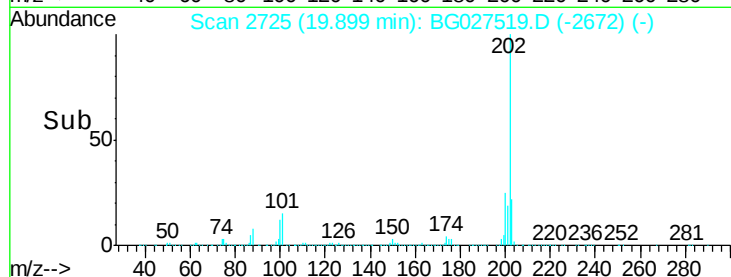
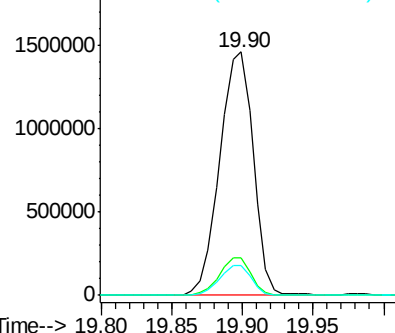
100 12.1 5.2 7.8#



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: 80.55 ng/ul

RT: 20.26 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

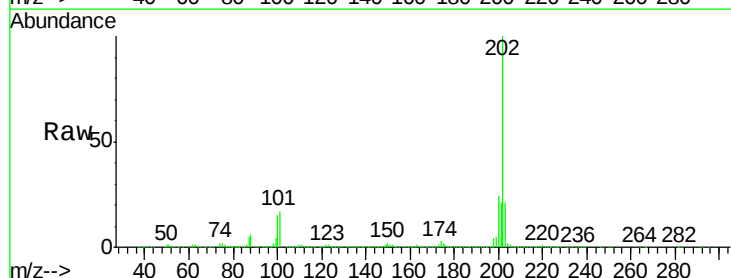
Tgt Ion:202 Resp: 1920496

Ion Ratio Lower Upper

202 100

101 17.3 6.9 10.3#

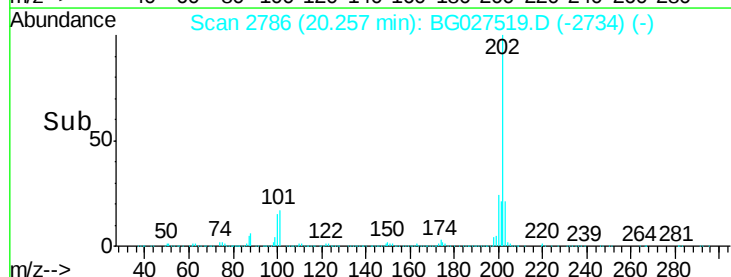
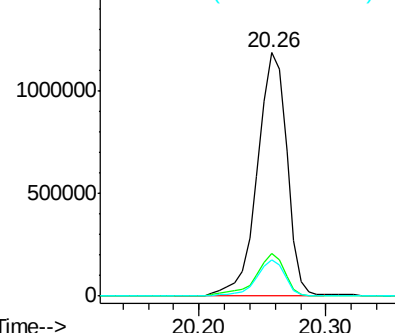
100 15.0 6.6 10.0#

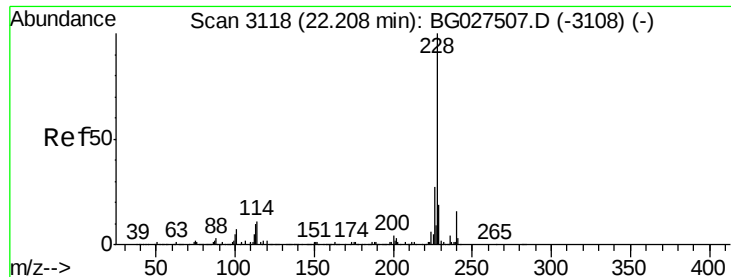


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 38.04 ng/ul

RT: 22.21 min Scan# 3119

Delta R.T. 0.01 min

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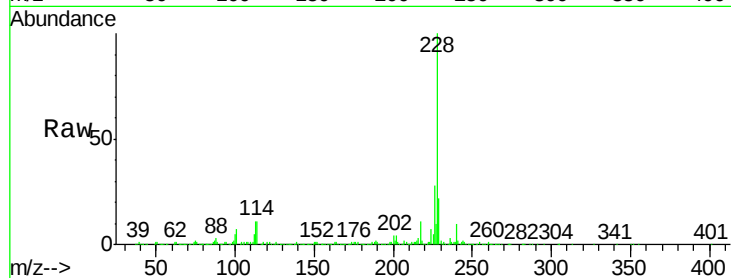
Tgt Ion:228 Resp: 854402

Ion Ratio Lower Upper

228 100

229 21.8 16.3 24.5

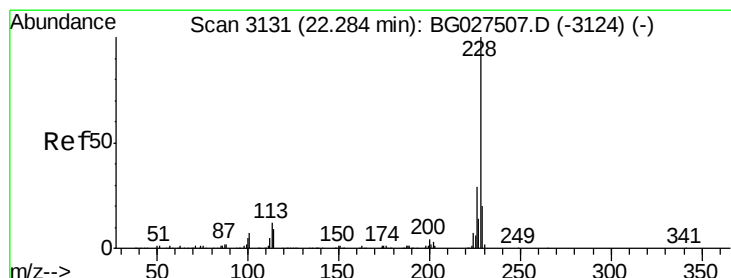
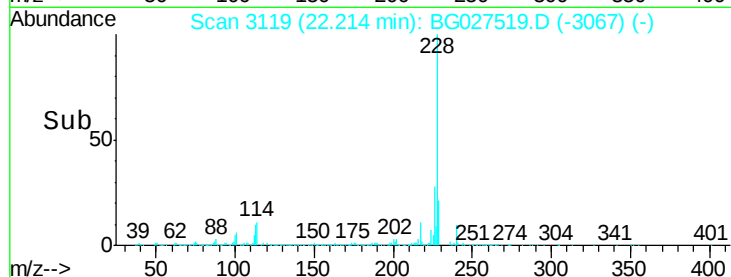
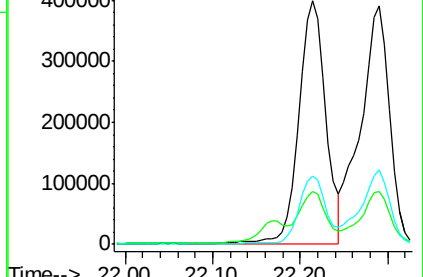
226 28.2 21.9 32.9



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: 44.31 ng/ul

RT: 22.29 min Scan# 3132

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

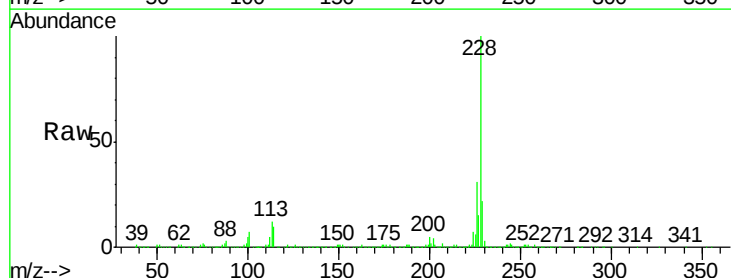
Tgt Ion:228 Resp: 898869

Ion Ratio Lower Upper

228 100

226 31.4 24.0 36.0

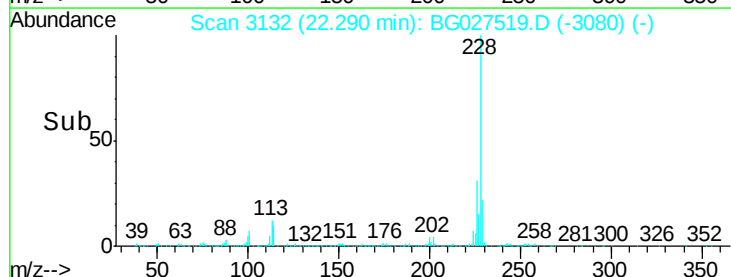
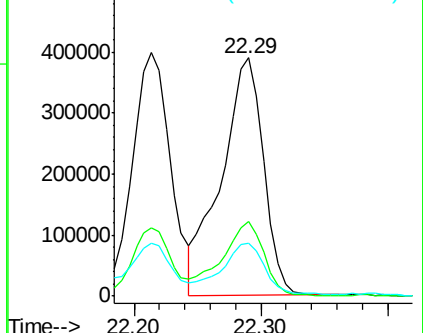
229 22.3 16.9 25.3

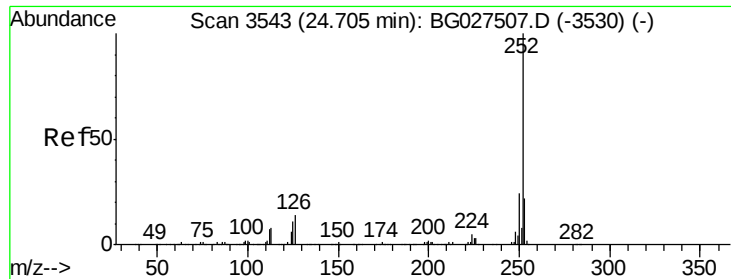


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

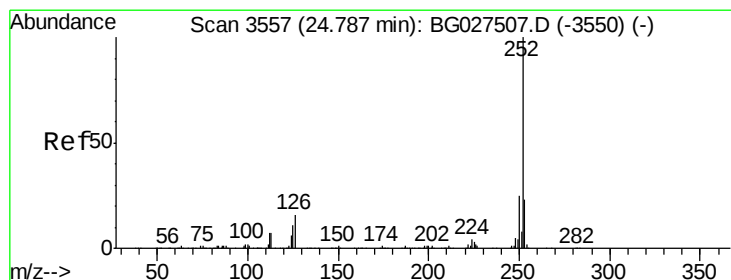
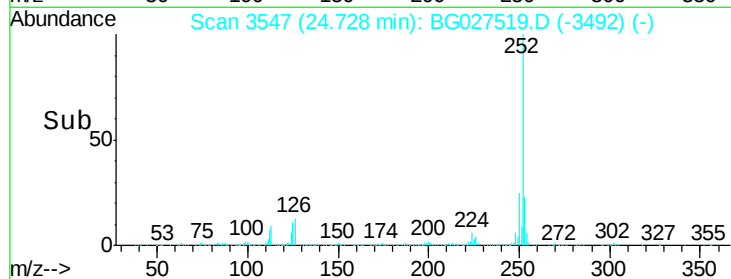
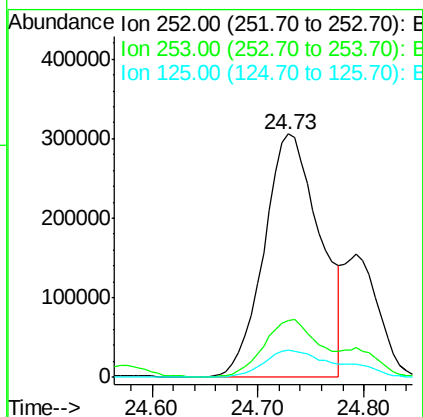
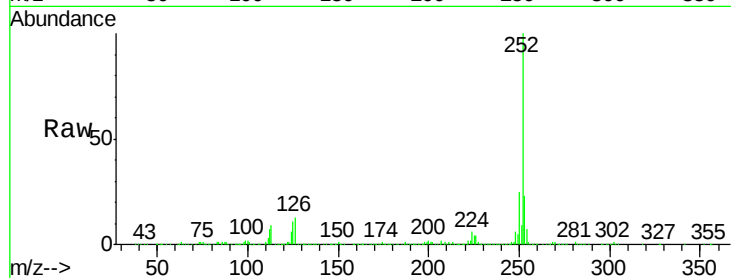




#85
Benzo(b)fluoranthene
Concen: 49.78 ng/ul
RT: 24.73 min Scan# 3547
Delta R.T. 0.02 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

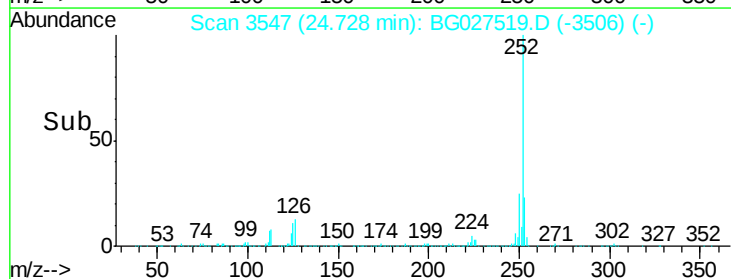
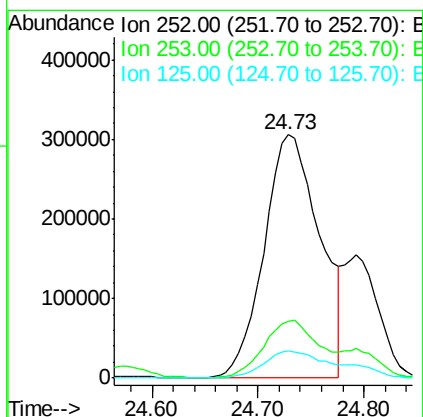
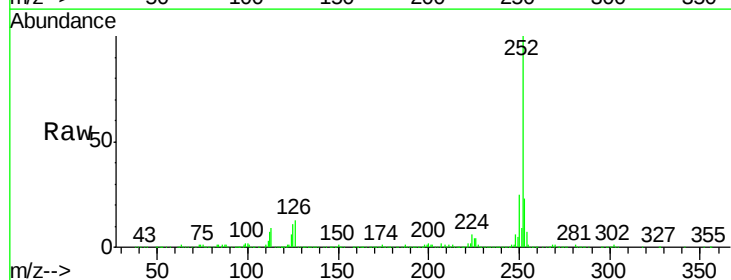
Instrument :
BNA_G
ClientSampleId :
F5B24

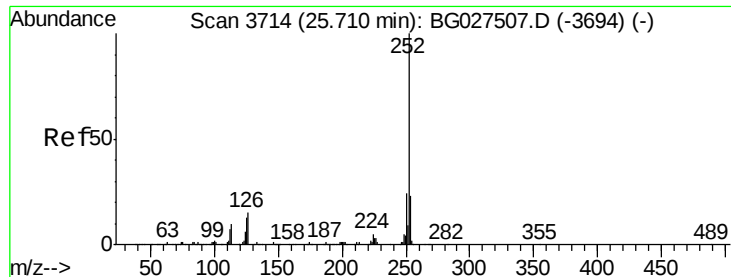
Tgt Ion:252 Resp: 1116763
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.3 4.0 6.0#



#86
Benzo(k)fluoranthene
Concen: 51.79 ng/ul
RT: 24.73 min Scan# 3547
Delta R.T. -0.06 min
Lab File: BG027519.D
Acq: 17 Jun 2017 23:07

Tgt Ion:252 Resp: 1116763
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 11.3 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 23.14 ng/ul

RT: 25.72 min Scan# 3715

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

ClientSampleId :

F5B24

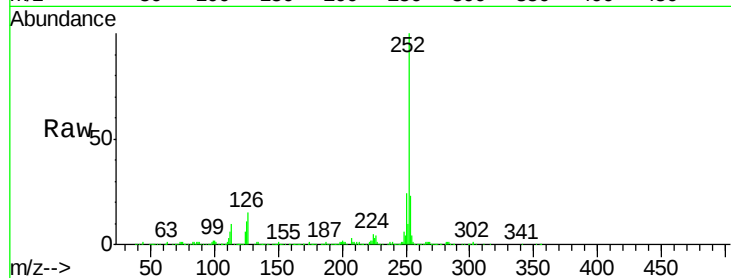
Tgt Ion:252 Resp: 498425

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

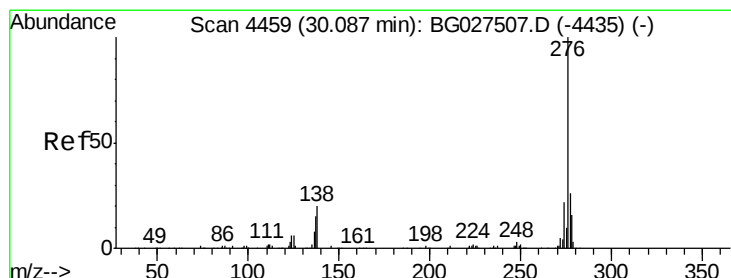
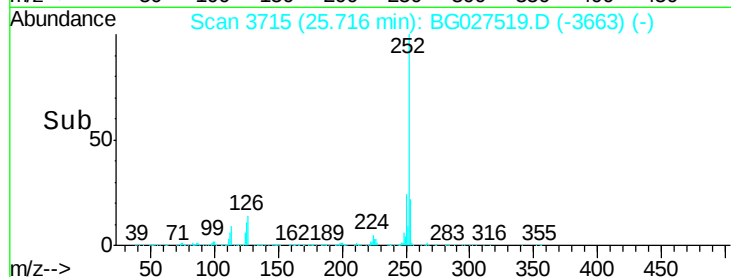
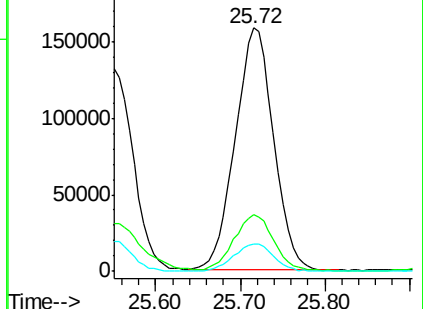
125 11.2 5.4 8.0#



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: 11.30 ng/ul

RT: 30.09 min Scan# 4460

Delta R.T. 0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

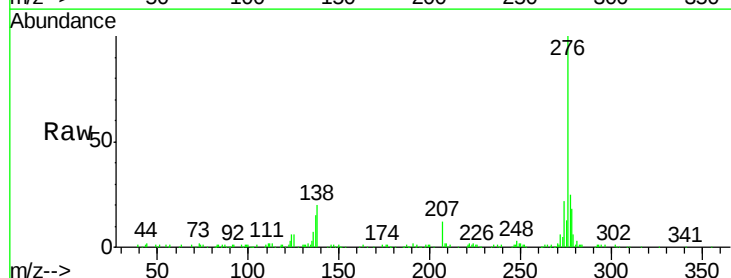
Tgt Ion:276 Resp: 277785

Ion Ratio Lower Upper

276 100

138 20.2 8.2 12.4#

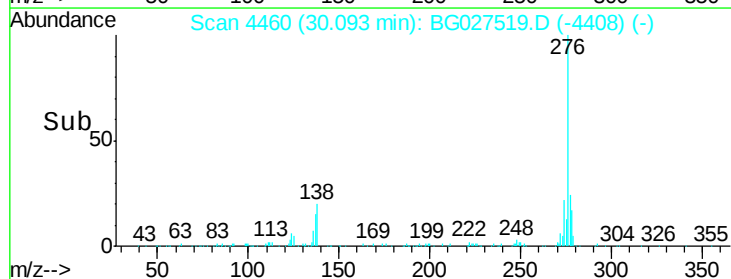
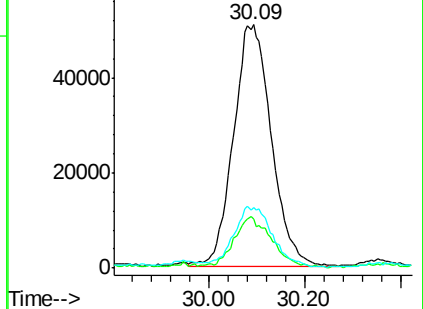
277 24.8 18.6 28.0

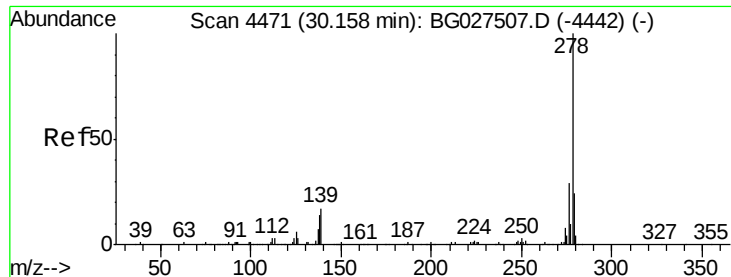


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.12 ng/ul

RT: 30.13 min Scan# 4467

Delta R.T. -0.02 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

Instrument :

BNA_G

ClientSampleId :

F5B24

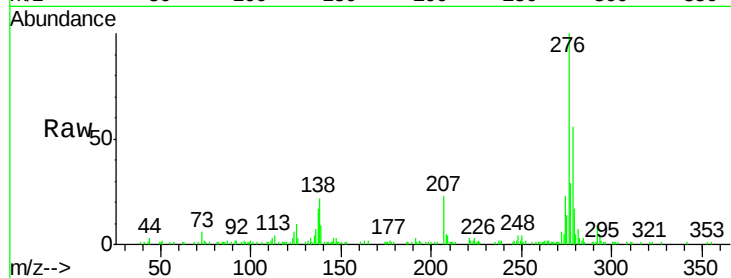
Tgt Ion:278 Resp: 86926

Ion Ratio Lower Upper

278 100

139 15.6 6.7 10.1#

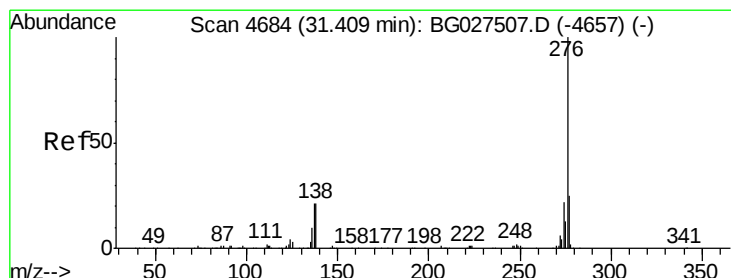
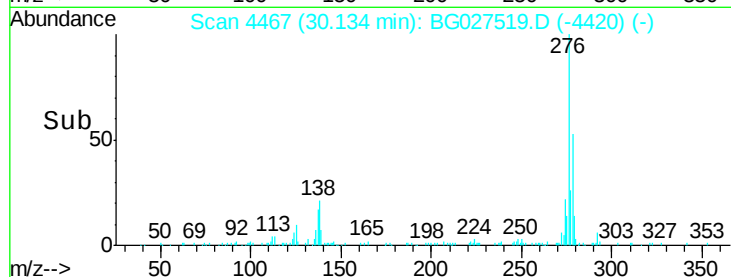
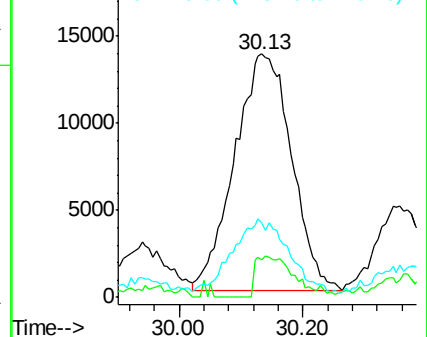
279 30.5 20.9 31.3



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: 4.27 ng/ul

RT: 31.40 min Scan# 4683

Delta R.T. -0.01 min

Lab File: BG027519.D

Acq: 17 Jun 2017 23:07

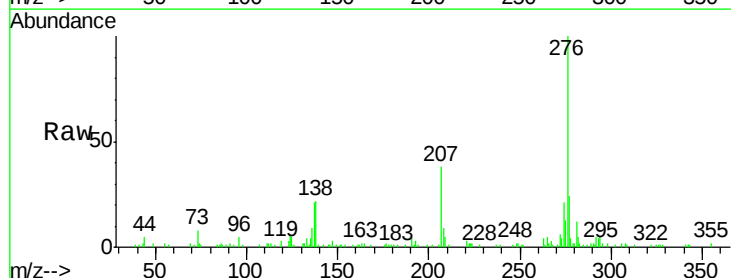
Tgt Ion:276 Resp: 85960

Ion Ratio Lower Upper

276 100

138 21.8 8.6 12.8#

277 24.4 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

