

Data File : BG027503.D
Acq On : 17 Jun 2017 11:53
Operator : SJ/MA
Sample : I3599-14
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B28

Quant Time: Jun 19 00:58:59 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 19 00:57:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	45711	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	235061	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	155388	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	365389	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	394695	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	375389	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	4.08	96	4287	3.75	ng/uL	0.00
5) Phenol-d5	7.65	99	93177	18.80	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	73977	21.90	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	66623	20.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.19	113	77990	20.12	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	34605	20.27	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	39947	22.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	68492	19.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	105277	24.27	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	267531	20.56	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	312348	20.84	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	41575	16.33	ng/ul	0.00
57) Fluorene-d10	16.09	176	242031	19.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	38991	17.18	ng/ul	0.00
70) Anthracene-d10	17.95	188	375826	22.06	ng/ul	0.00
76) Pyrene-d10	20.22	212	430285	22.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.63	264	377796	22.35	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.68	94	54563	10.50 ng/ul#	85
11) 2-Methylphenol	8.93	108	12834	3.42 ng/ul	98
16) 4-Methylphenol	9.26	108	46139	11.19 ng/ul	94
17) Hexachloroethane	9.70	117	2127	1.68 ng/ul#	1
24) 2,4-Dimethylphenol	10.47	107	16057	3.38 ng/ul#	94
28) Naphthalene	11.39	128	1043882	86.42 ng/ul	98
30) 4-Chloroaniline	11.39	127	146780	34.28 ng/ul#	27
34) 2-Methylnaphthalene	12.95	142	271875	30.35 ng/ul	93
40) 1,1'-Biphenyl	13.94	154	76046	6.19 ng/ul#	97
44) Dimethylphthalate	14.53	163	119759	9.28 ng/ul	100
47) Acenaphthylene	14.83	152	15733	1.05 ng/ul#	93
49) Acenaphthene	15.17	153	267827	25.57 ng/ul	97
53) Dibenzofuran	15.50	168	303414	19.88 ng/ul	98
58) Fluorene	16.15	166	318648	25.15 ng/ul	100
60) 4-Nitroaniline	16.15	138	3857	1.21 ng/ul#	1
69) Phenanthrene	17.90	178	1360093	69.27 ng/ul	97
71) Anthracene	17.99	178	212174	10.63 ng/ul	99
72) Carbazole	18.25	167	145630	8.48 ng/ul	99
74) Fluoranthene	19.89	202	794118	35.94 ng/ul#	87
77) Pyrene	20.25	202	529821	22.71 ng/ul#	81
80) Benzo(a)anthracene	22.21	228	150813	6.86 ng/ul	99
82) Chrysene	22.28	228	110673	5.58 ng/ul	99
85) Benzo(b)fluoranthene	24.72	252	66538	2.98 ng/ul#	94

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)
86) Benzo(k)fluoranthene	24.72	252	66538	3.10	ng/ul#	93
88) Benzo(a)pyrene	25.70	252	39076	1.82	ng/ul#	93

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

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ALS Vial : 36 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

F5B28

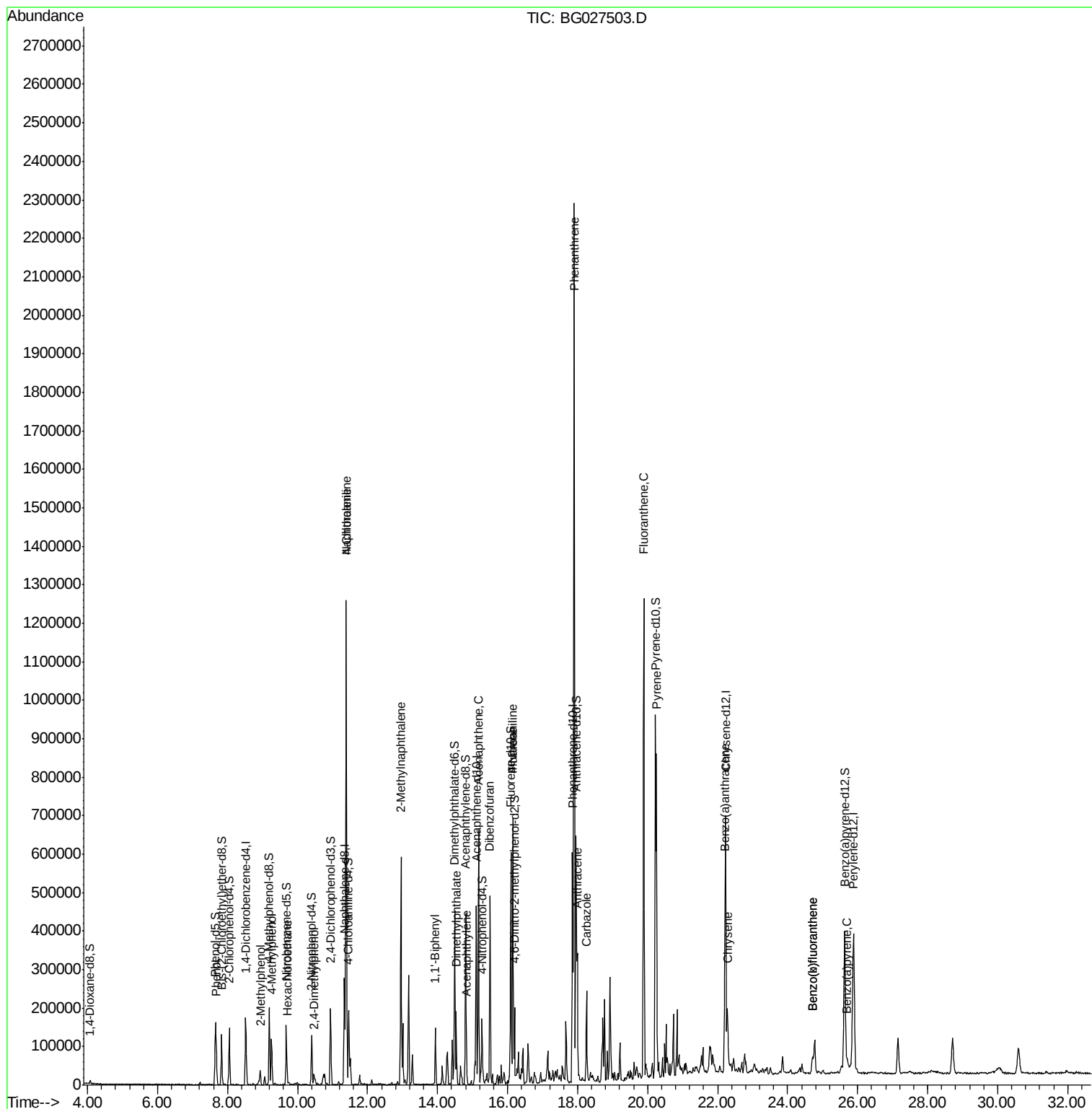
Quant Time: Jun 19 00:58:59 2017

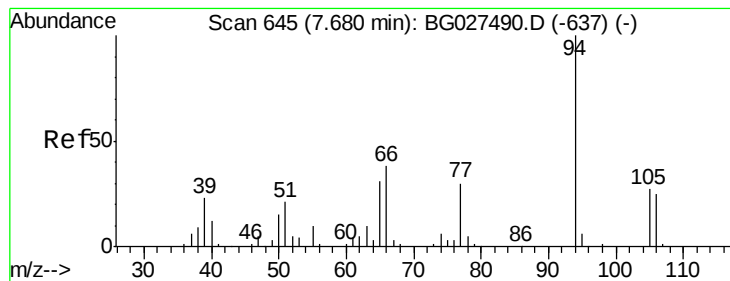
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jun 19 00:57:08 2017

Response via : Initial Calibration





#6

Phenol

Concen: 10.50 ng/ul

RT: 7.68 min Scan# 646

Delta R.T. 0.00 min

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Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

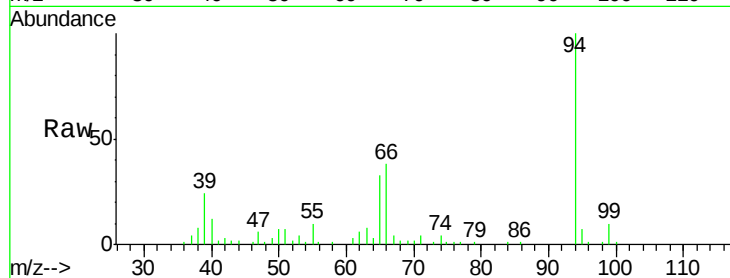
Tgt Ion: 94 Resp: 54563

Ion Ratio Lower Upper

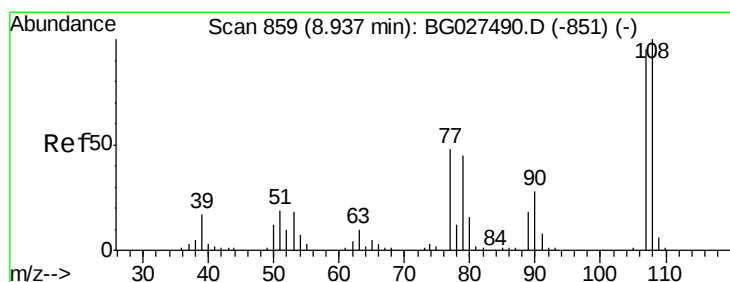
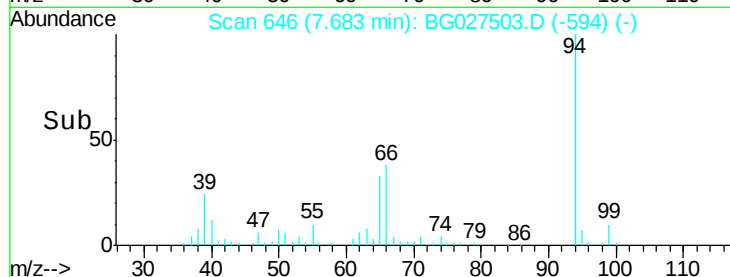
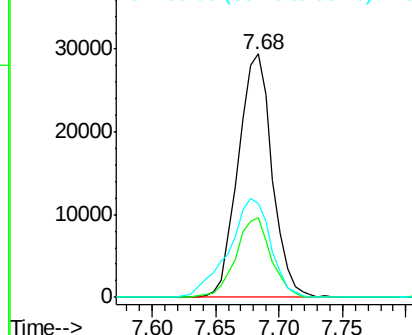
94 100

65 32.9 26.8 40.2

66 38.4 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



#11

2-Methylphenol

Concen: 3.42 ng/ul

RT: 8.93 min Scan# 859

Delta R.T. -0.00 min

Lab File: BG027503.D

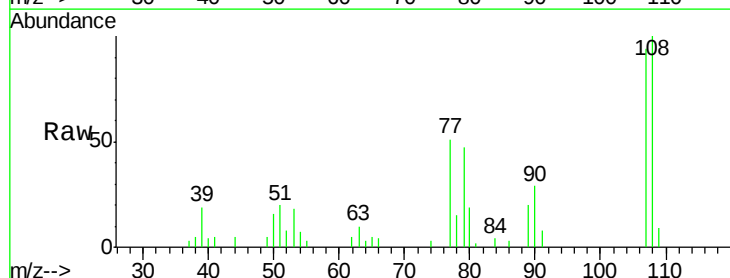
Acq: 17 Jun 2017 11:53

Tgt Ion: 108 Resp: 12834

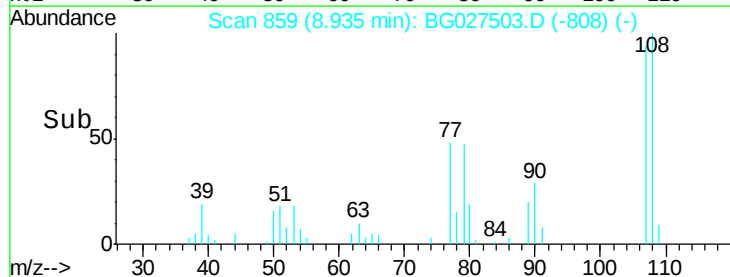
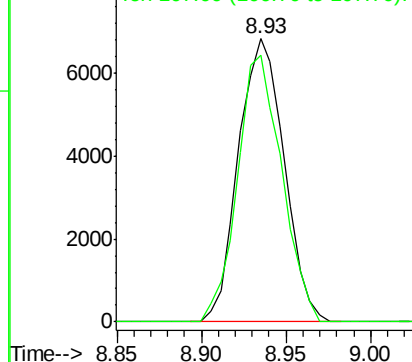
Ion Ratio Lower Upper

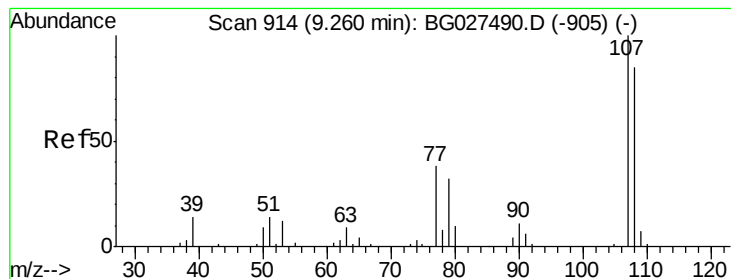
108 100

107 94.2 76.7 115.1



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





#16

4-Methylphenol

Concen: 11.19 ng/ul

RT: 9.26 min Scan# 914

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

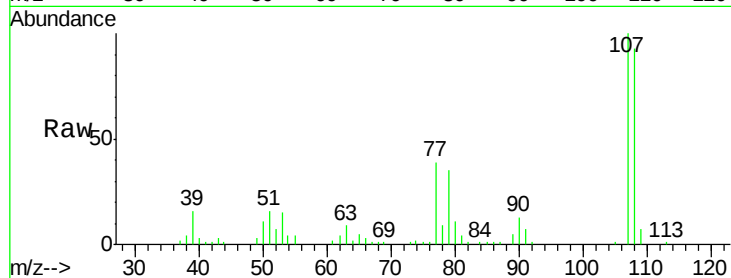
F5B28

Tgt Ion:108 Resp: 46139

Ion Ratio Lower Upper

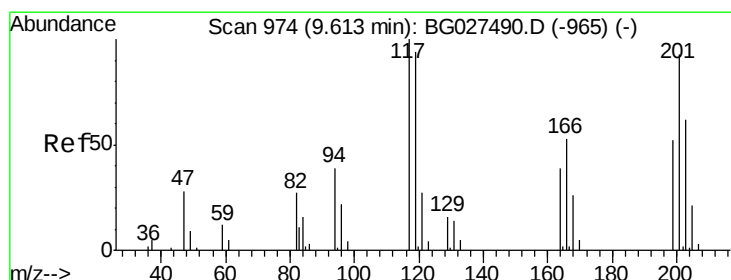
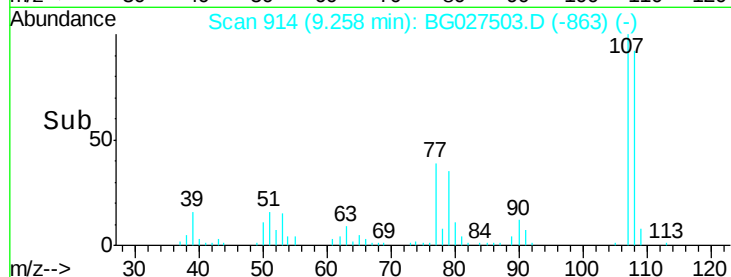
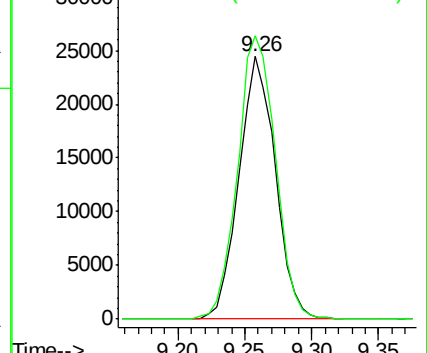
108 100

107 107.8 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: 1.68 ng/ul

RT: 9.70 min Scan# 990

Delta R.T. 0.09 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

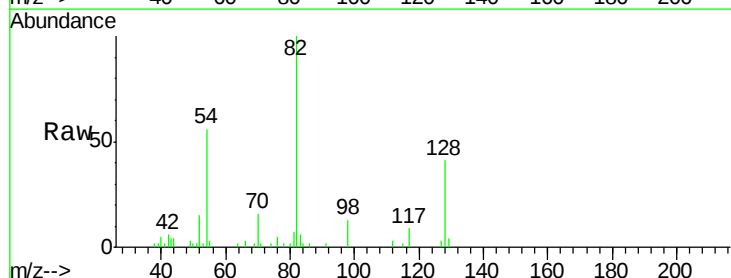
Tgt Ion:117 Resp: 2127

Ion Ratio Lower Upper

117 100

201 0.0 91.9 137.9#

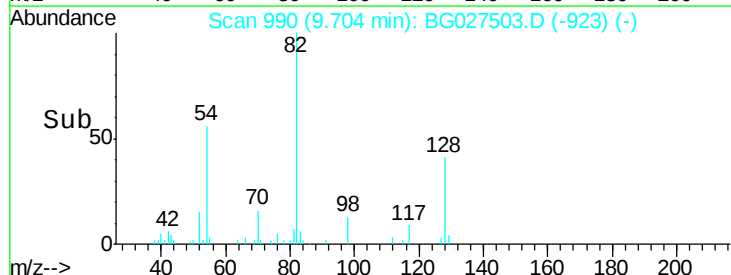
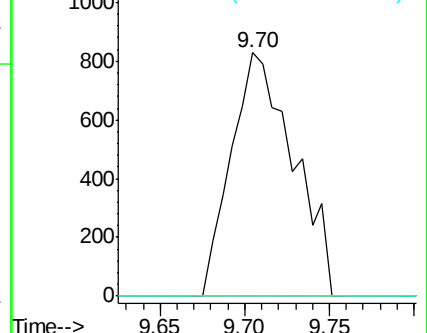
199 0.0 64.3 96.5#

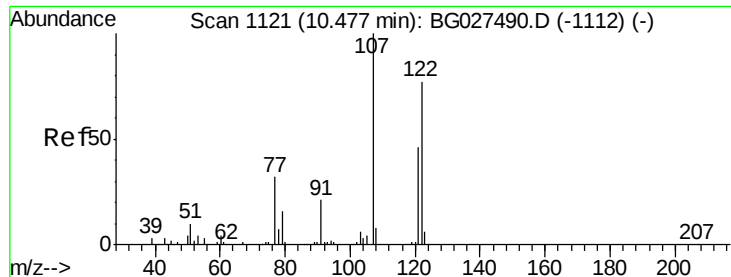


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

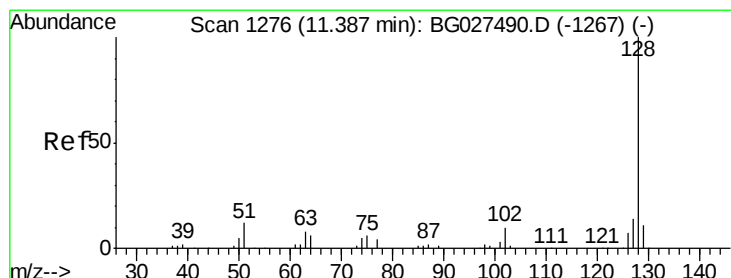
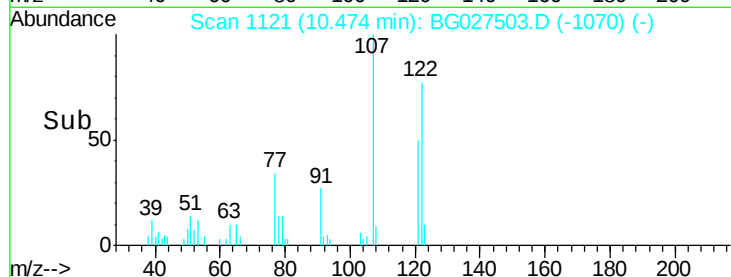
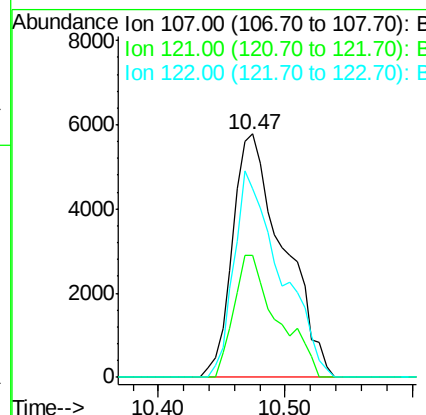
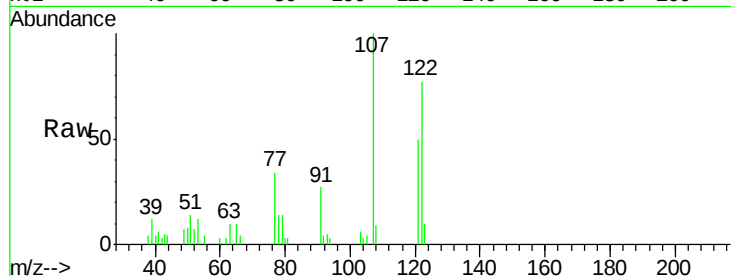




#24
2,4-Dimethylphenol
Concen: 3.38 ng/ul
RT: 10.47 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

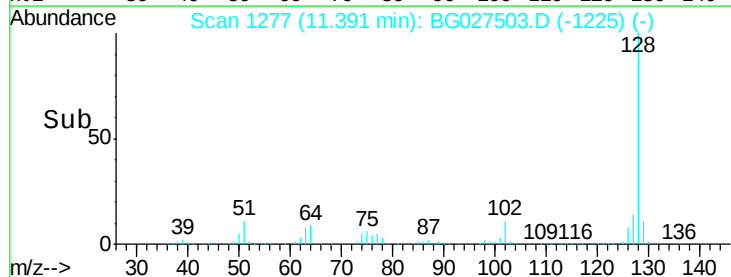
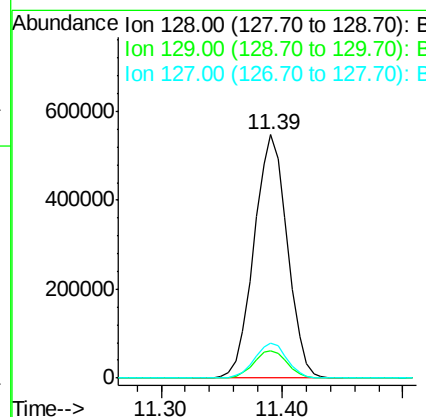
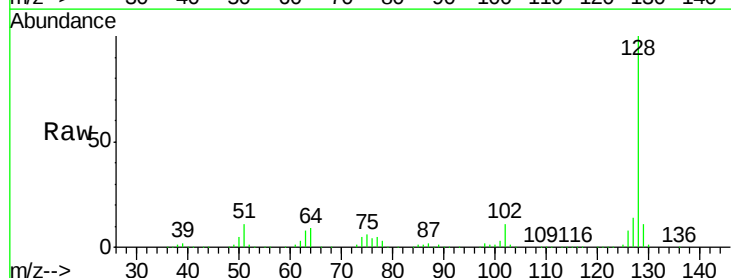
Instrument :
BNA_G
ClientSampleId :
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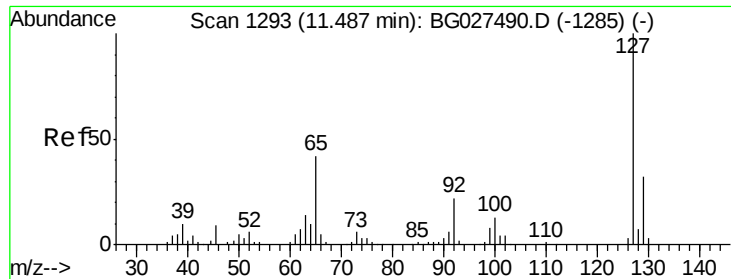
Tgt Ion:107 Resp: 16057
Ion Ratio Lower Upper
107 100
121 50.0 32.3 48.5#
122 77.4 61.2 91.8



#28
Naphthalene
Concen: 86.42 ng/ul
RT: 11.39 min Scan# 1277
Delta R.T. 0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion:128 Resp: 1043882
Ion Ratio Lower Upper
128 100
129 11.4 9.4 14.2
127 14.4 10.3 15.5

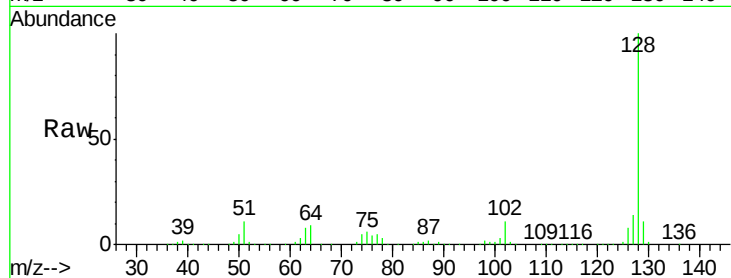




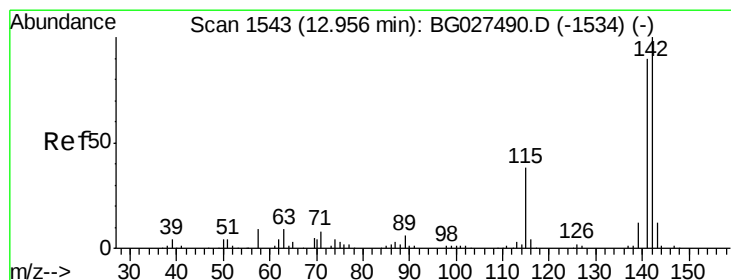
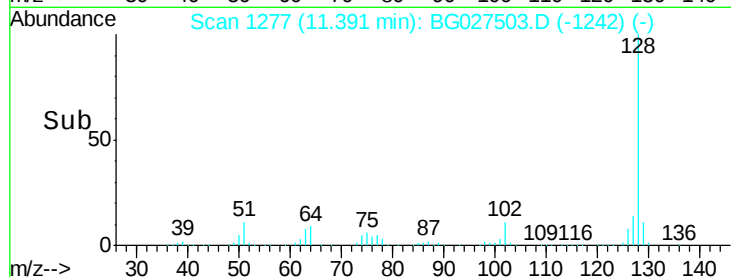
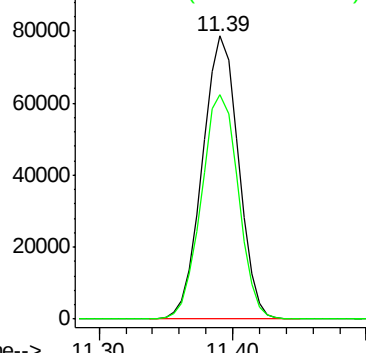
#30
4-Chloroaniline
Concen: 34.28 ng/ul
RT: 11.39 min Scan# 1277
Delta R.T. -0.10 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Instrument :
BNA_G
ClientSampleId :
F5B28

Tgt Ion:127 Resp: 146780
Ion Ratio Lower Upper
127 100
129 79.4 28.9 43.3#

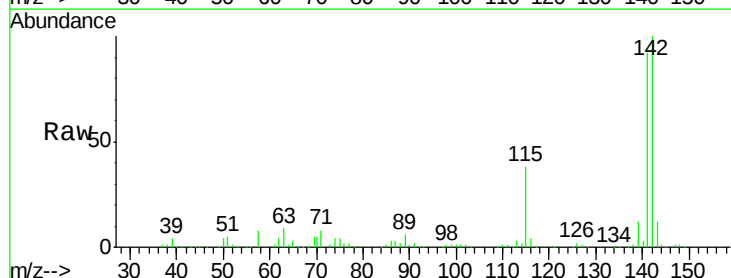


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

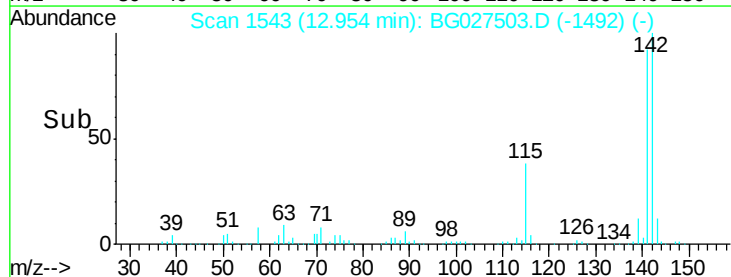
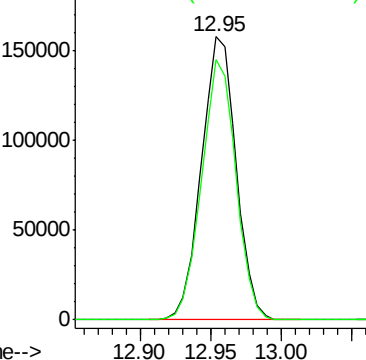


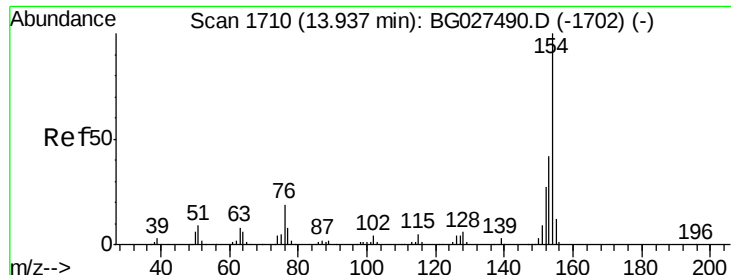
#34
2-Methylnaphthalene
Concen: 30.35 ng/ul
RT: 12.95 min Scan# 1543
Delta R.T. -0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion:142 Resp: 271875
Ion Ratio Lower Upper
142 100
141 92.1 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: 6.19 ng/ul

RT: 13.94 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

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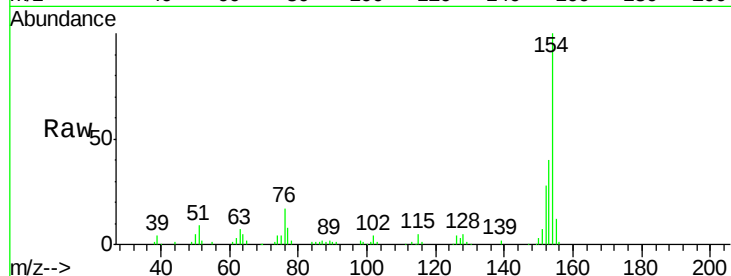
Tgt Ion:154 Resp: 76046

Ion Ratio Lower Upper

154 100

153 40.2 32.2 48.2

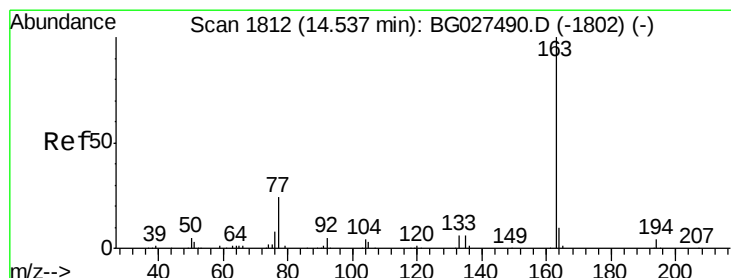
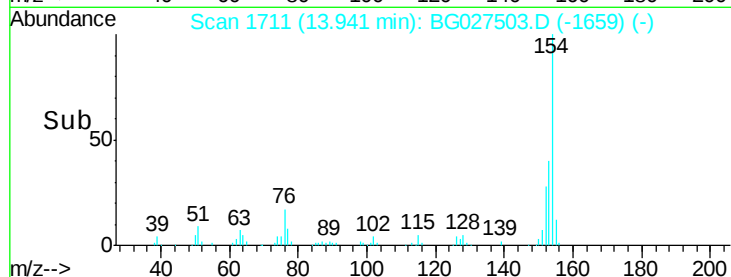
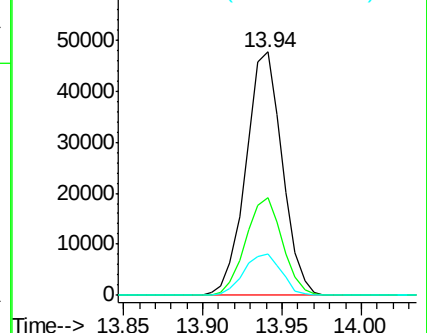
76 17.1 9.6 14.4#



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



#44

Dimethylphthalate

Concen: 9.28 ng/ul

RT: 14.53 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

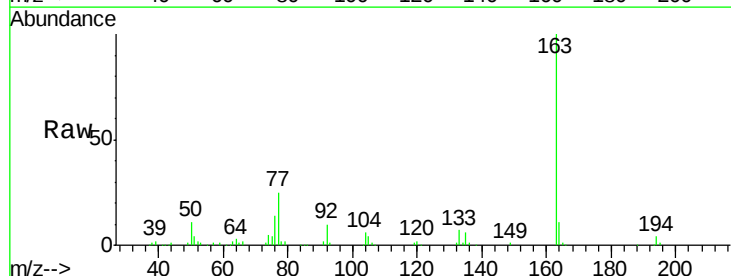
Tgt Ion:163 Resp: 119759

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

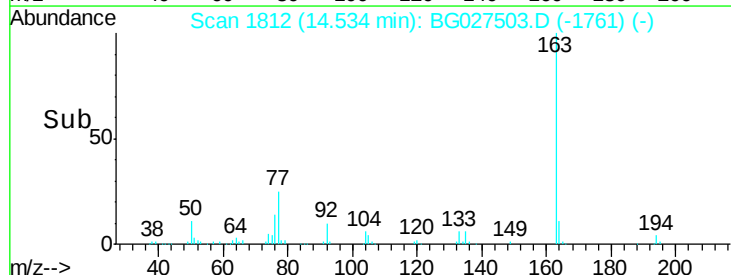
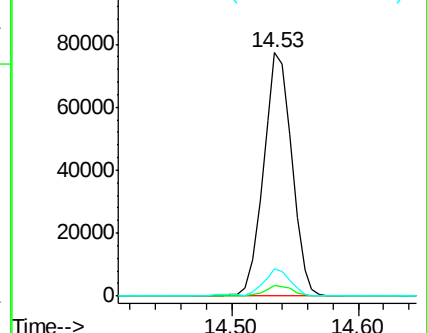
164 11.1 9.0 13.4

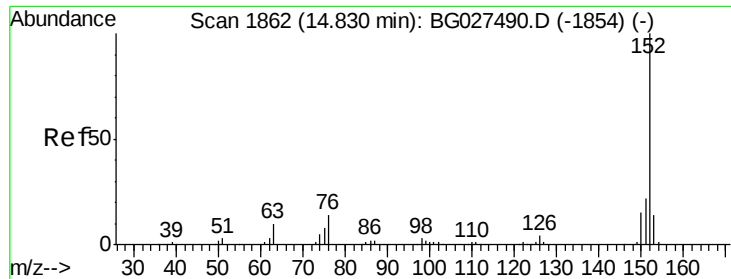


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.05 ng/ul

RT: 14.83 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

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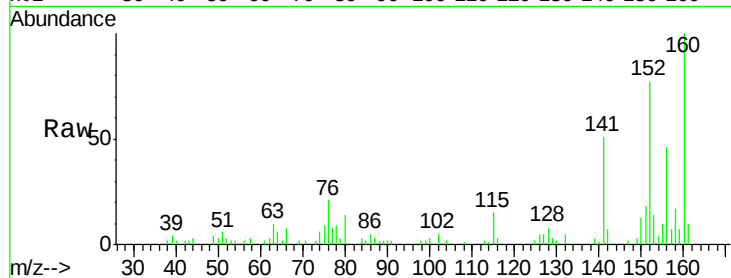
Tgt Ion:152 Resp: 15733

Ion Ratio Lower Upper

152 100

151 22.9 16.7 25.1

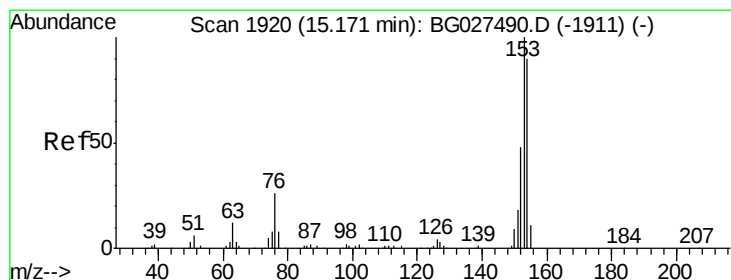
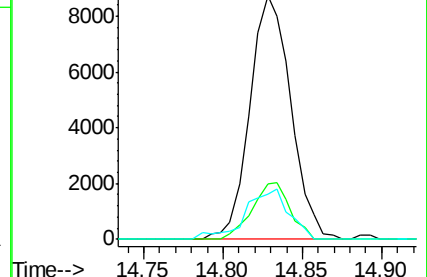
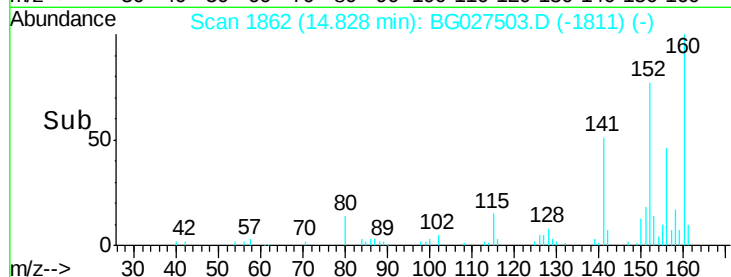
153 18.8 11.4 17.2#



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: 25.57 ng/ul

RT: 15.17 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

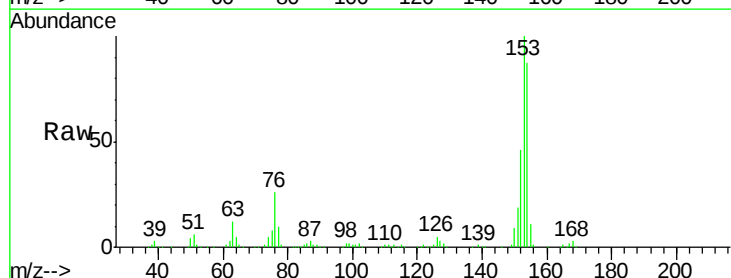
Tgt Ion:153 Resp: 267827

Ion Ratio Lower Upper

153 100

152 46.5 36.5 54.7

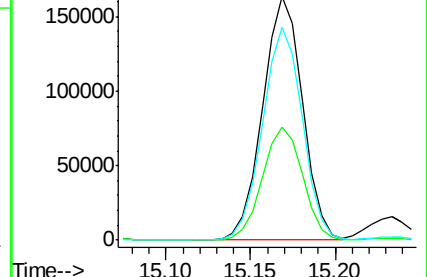
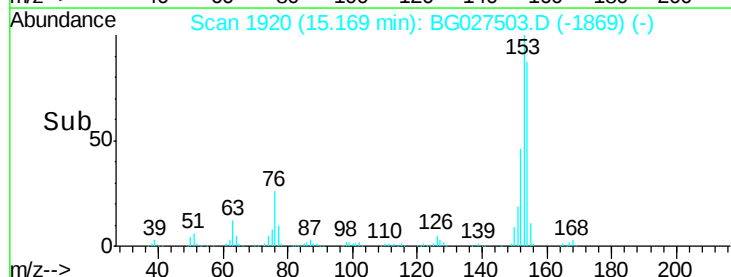
154 87.5 72.3 108.5

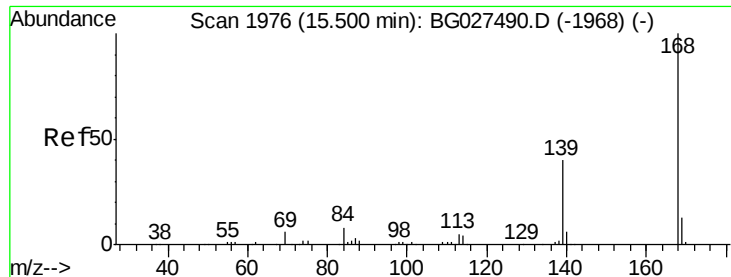


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

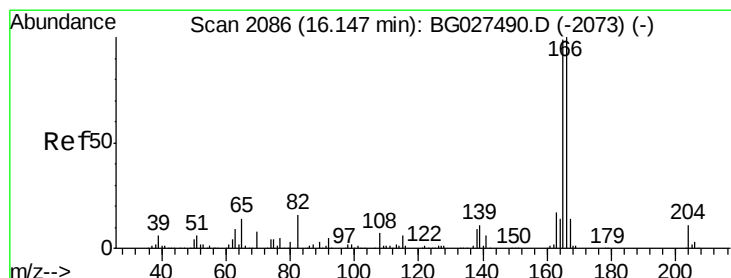
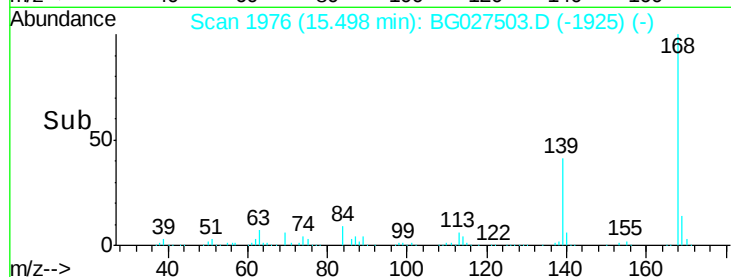
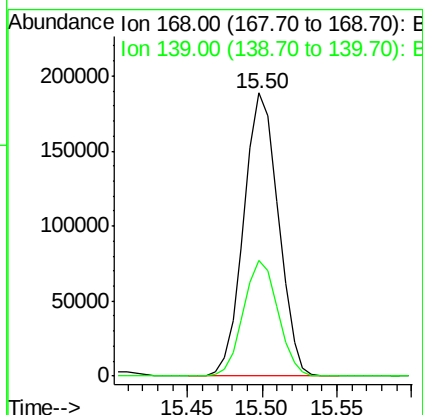
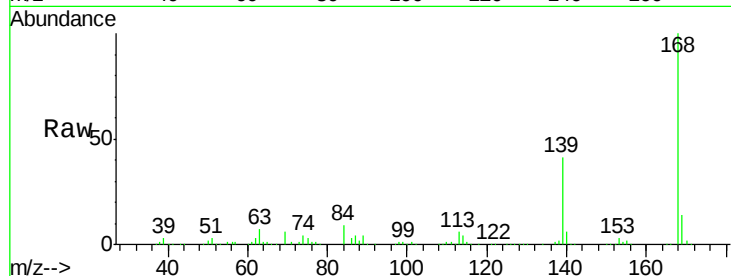




#53
Diben-zofuran
Concen: 19.88 ng/ul
RT: 15.50 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

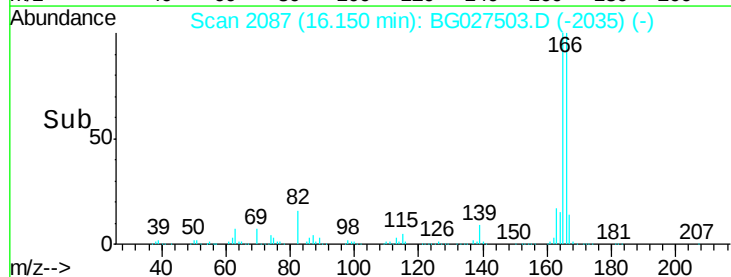
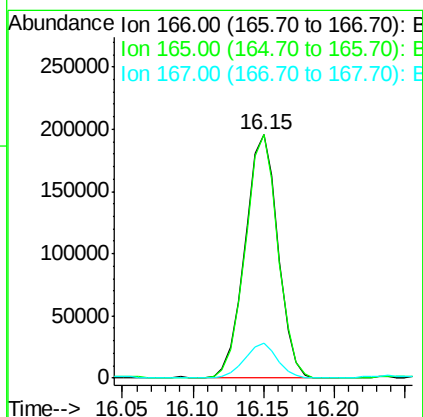
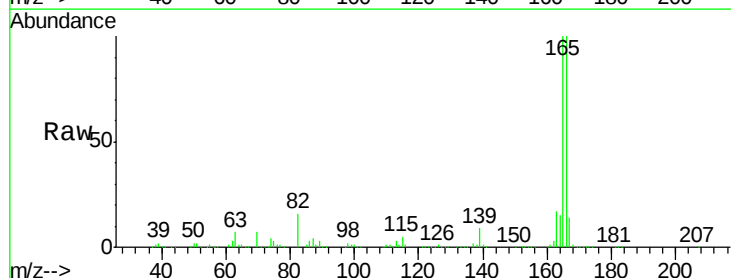
Instrument :
BNA_G
ClientSampleId :
F5B28

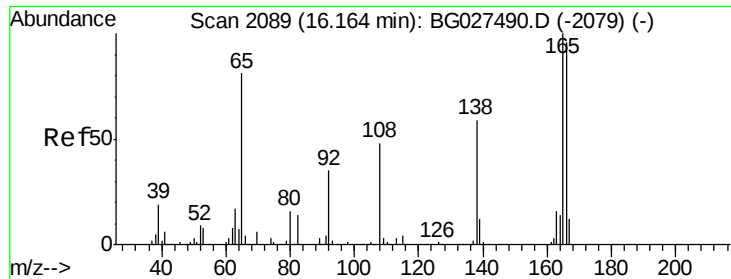
Tgt Ion:168 Resp: 303414
Ion Ratio Lower Upper
168 100
139 41.0 33.8 50.8



#58
Fluorene
Concen: 25.15 ng/ul
RT: 16.15 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BG027503.D
Acq: 17 Jun 2017 11:53

Tgt Ion:166 Resp: 318648
Ion Ratio Lower Upper
166 100
165 99.9 79.7 119.5
167 14.3 11.4 17.2





#60

4-Nitroaniline

Concen: 1.21 ng/ul

RT: 16.15 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

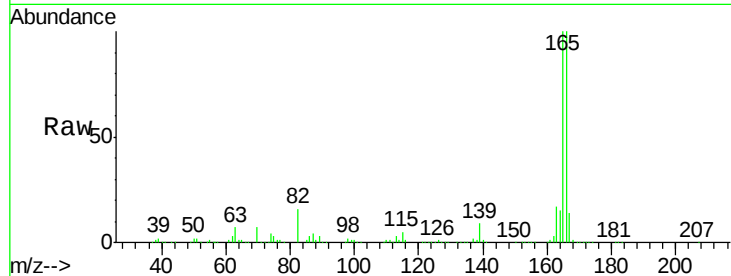
Tgt Ion:138 Resp: 3857

Ion Ratio Lower Upper

138 100

92 0.0 56.9 85.3#

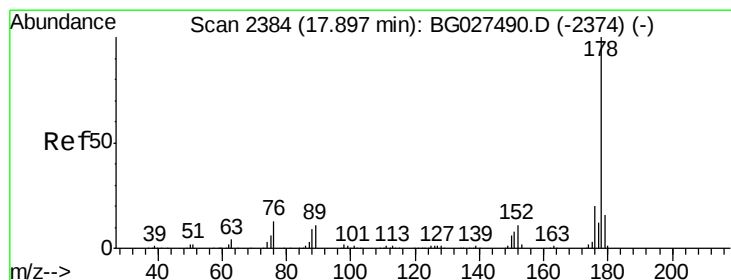
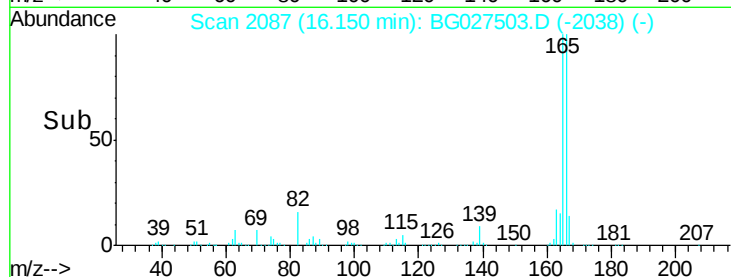
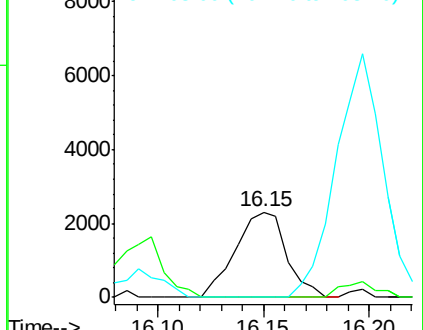
108 0.0 104.9 157.3#



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



#69

Phenanthrene

Concen: 69.27 ng/ul

RT: 17.90 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

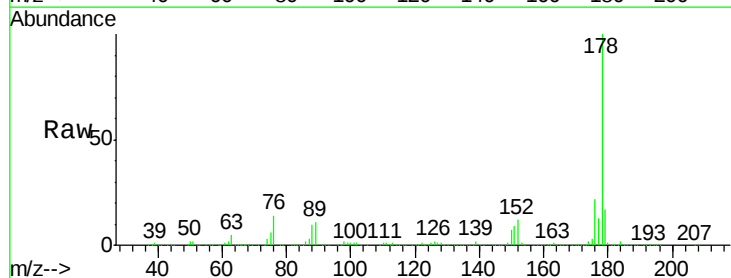
Tgt Ion:178 Resp: 1360093

Ion Ratio Lower Upper

178 100

179 16.9 12.4 18.6

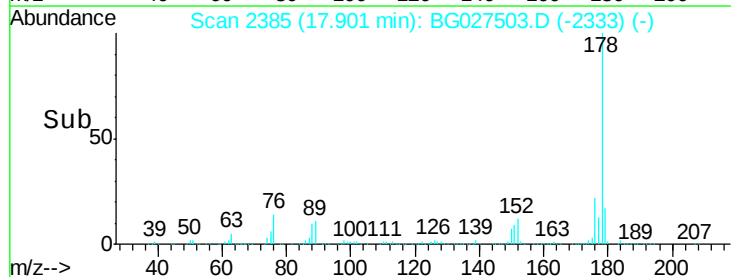
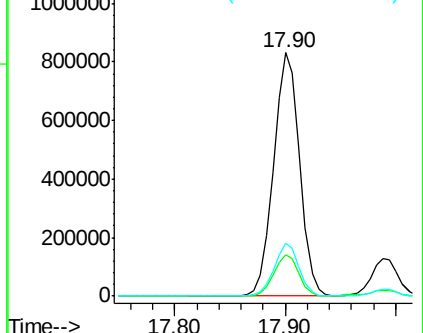
176 21.6 16.5 24.7

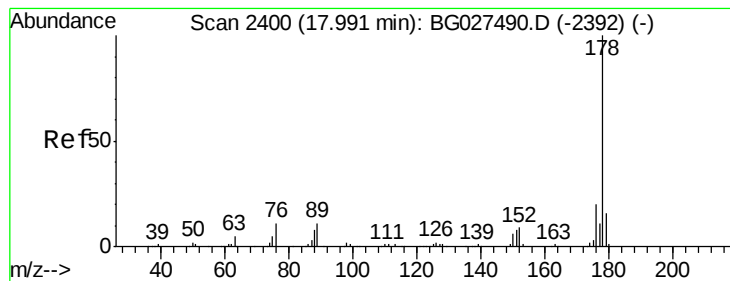


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 10.63 ng/ul

RT: 17.99 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

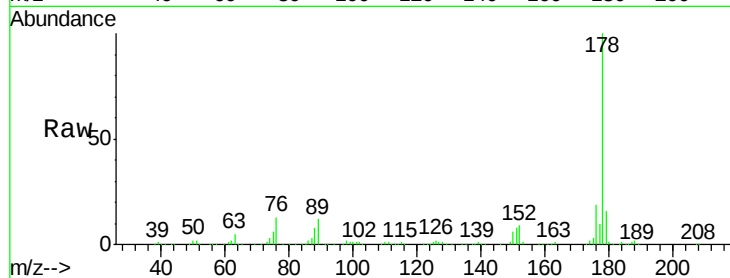
Tgt Ion:178 Resp: 212174

Ion Ratio Lower Upper

178 100

179 16.0 12.6 19.0

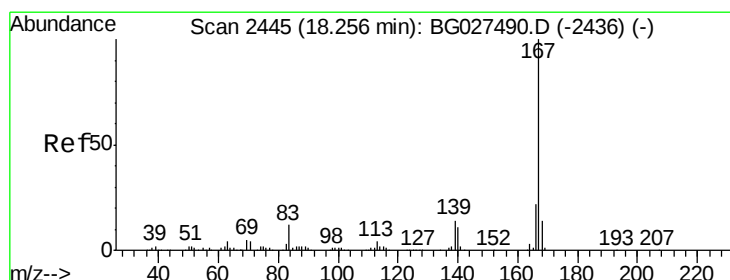
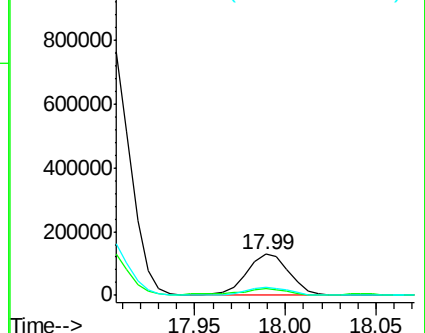
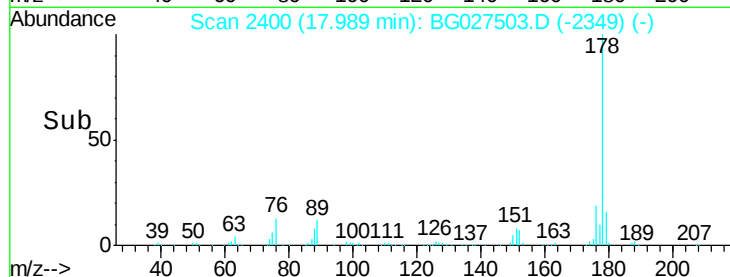
176 19.1 15.9 23.9



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: 8.48 ng/ul

RT: 18.25 min Scan# 2445

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

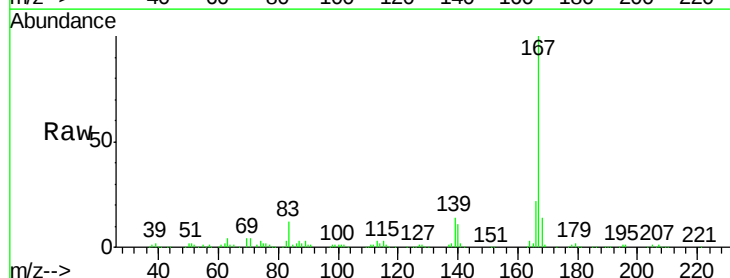
Tgt Ion:167 Resp: 145630

Ion Ratio Lower Upper

167 100

166 22.2 17.9 26.9

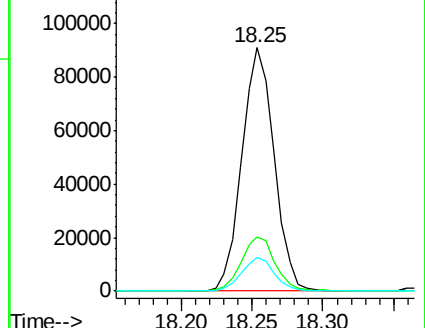
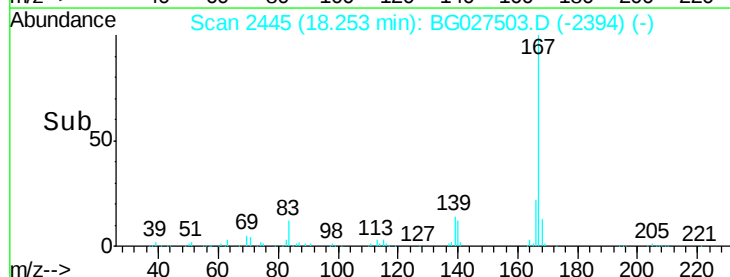
139 14.1 10.5 15.7

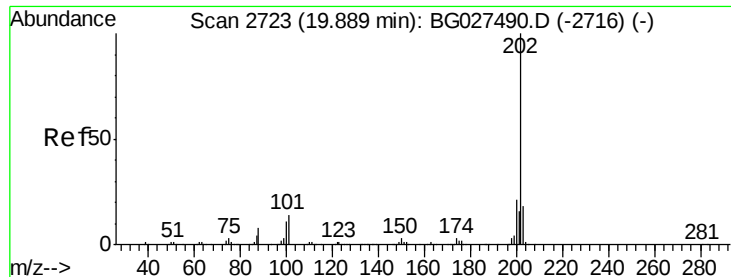


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 35.94 ng/ul

RT: 19.89 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

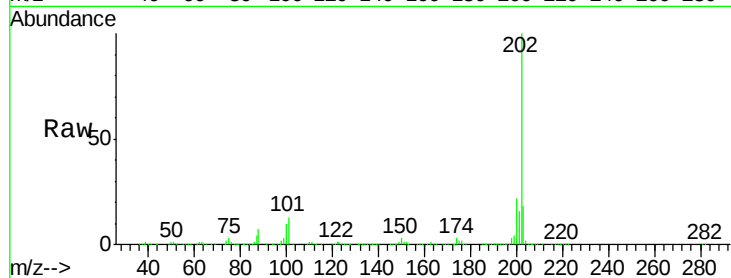
Tgt Ion:202 Resp: 794118

Ion Ratio Lower Upper

202 100

101 13.0 6.2 9.2#

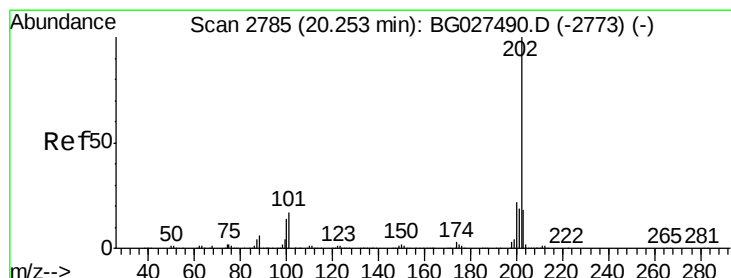
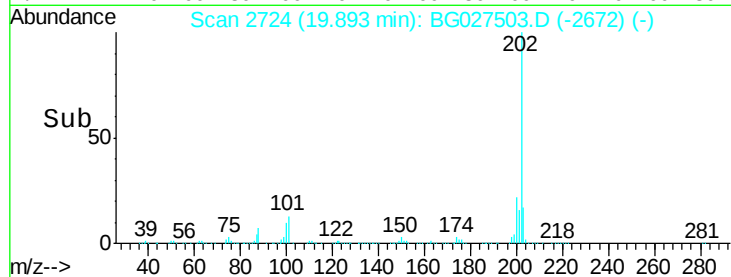
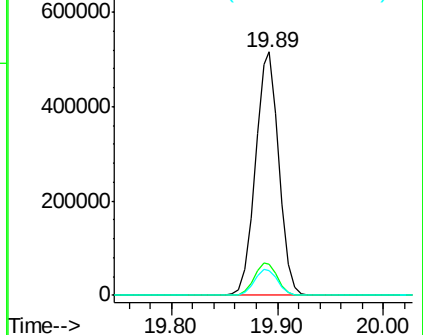
100 10.4 5.2 7.8#



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: 22.71 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

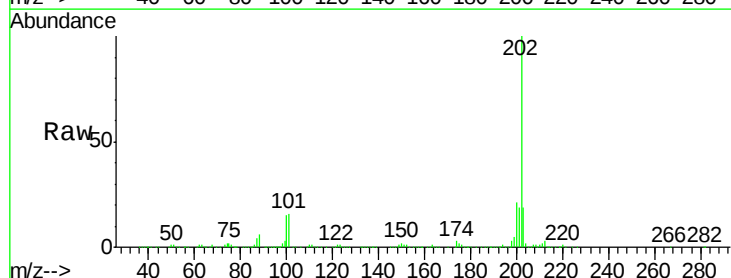
Tgt Ion:202 Resp: 529821

Ion Ratio Lower Upper

202 100

101 16.2 6.9 10.3#

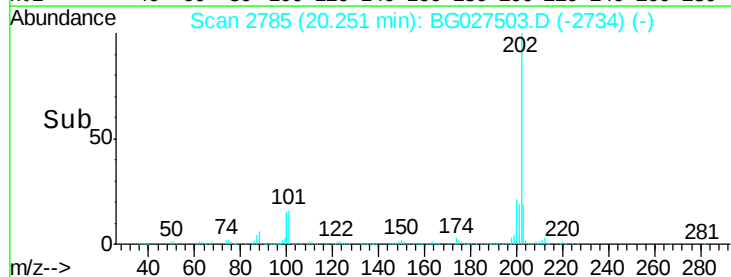
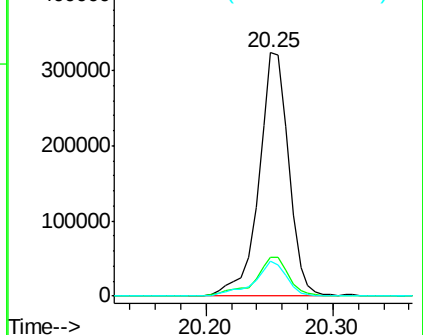
100 14.6 6.6 10.0#

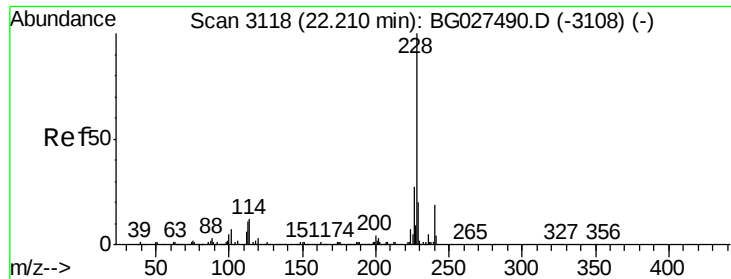


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.86 ng/ul

RT: 22.21 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

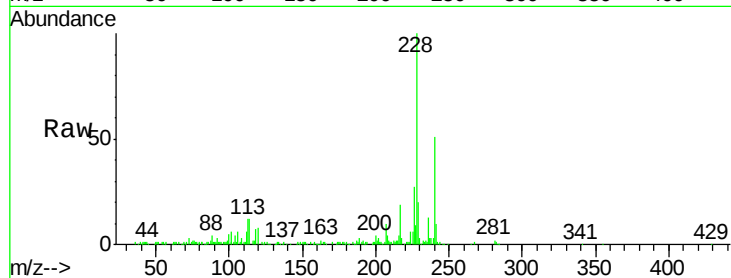
Tgt Ion:228 Resp: 150813

Ion Ratio Lower Upper

228 100

229 20.3 16.3 24.5

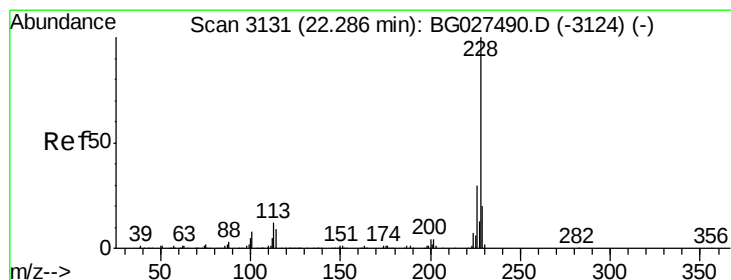
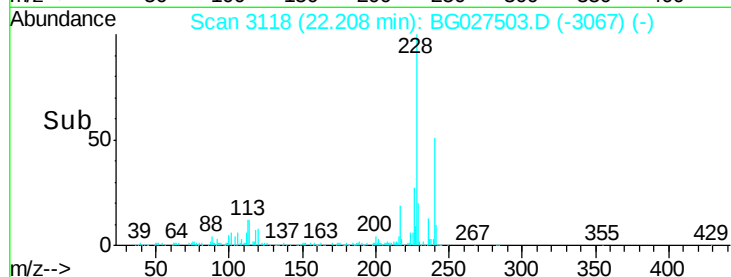
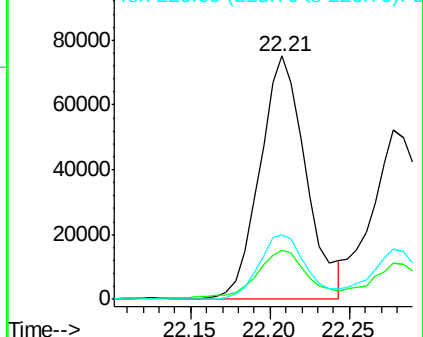
226 26.6 21.9 32.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 5.58 ng/ul

RT: 22.28 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

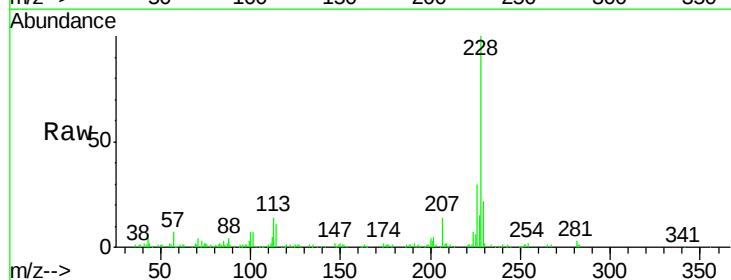
Tgt Ion:228 Resp: 110673

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

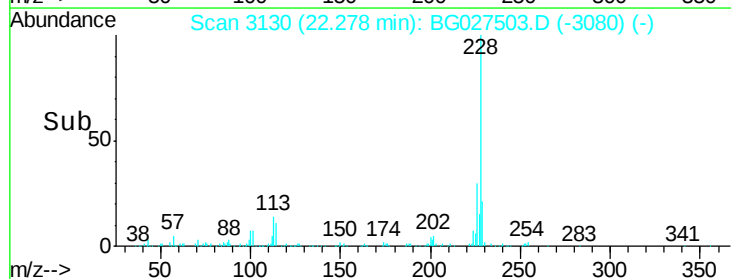
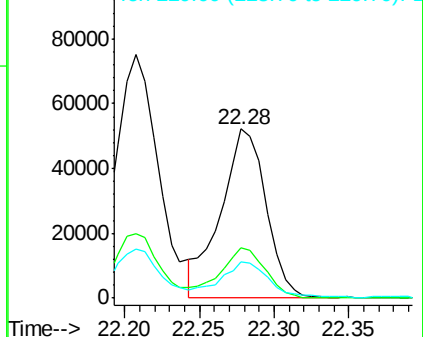
229 21.6 16.9 25.3

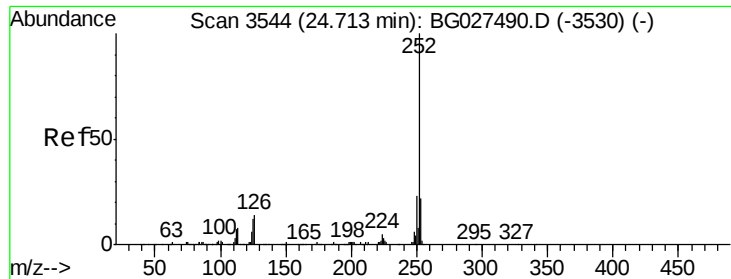


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 2.98 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

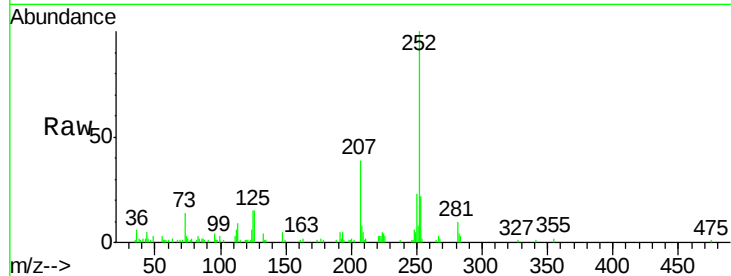
Tgt Ion:252 Resp: 66538

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

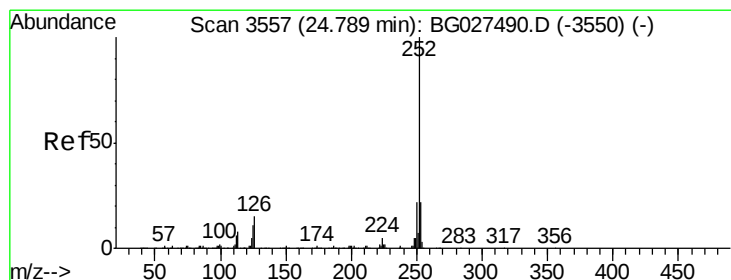
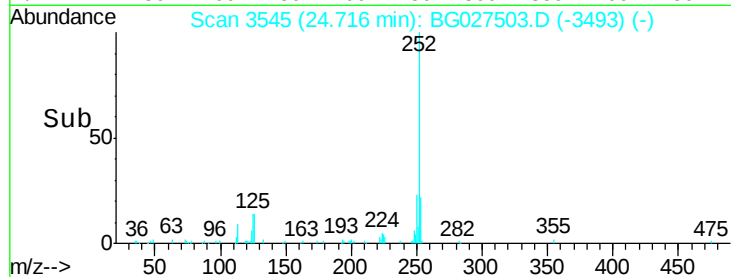
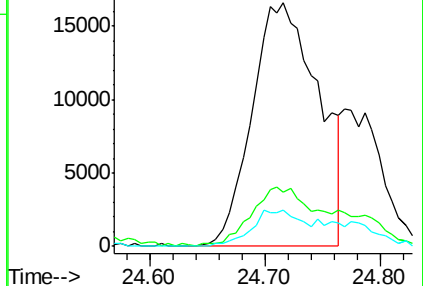
125 14.9 4.0 6.0#



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: 3.10 ng/ul

RT: 24.72 min Scan# 3545

Delta R.T. -0.07 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

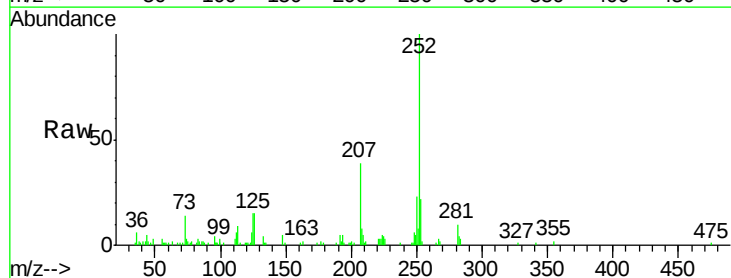
Tgt Ion:252 Resp: 66538

Ion Ratio Lower Upper

252 100

253 22.4 18.5 27.7

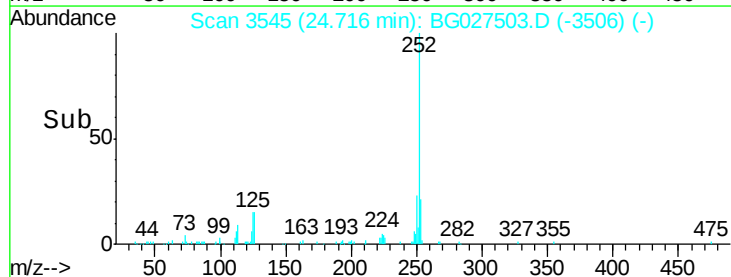
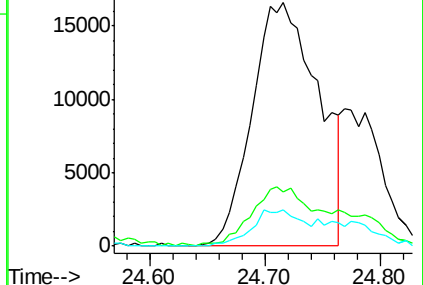
125 14.9 4.1 6.1#

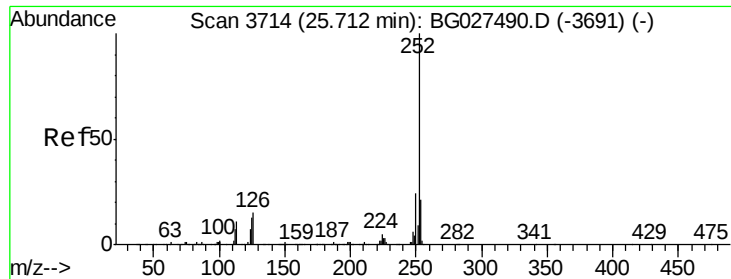


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.82 ng/ul

RT: 25.70 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG027503.D

Acq: 17 Jun 2017 11:53

Instrument :

BNA_G

ClientSampleId :

F5B28

Tgt Ion:252 Resp: 39076

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 15.2 5.4 8.0#

