

Data File : BG027529.D
Acq On : 19 Jun 2017 14:58
Operator : SJ/MA
Sample : I3599-14DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5B28DL

Quant Time: Jun 20 01:02:35 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 20 01:01:03 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	32426	20.00	ng/ul	0.00
18) Naphthalene-d8	11.34	136	162522	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.10	164	109712	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.85	188	257725	20.00	ng/ul	0.00
75) Chrysene-d12	22.23	240	280175	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	268376	20.00	ng/ul	0.00

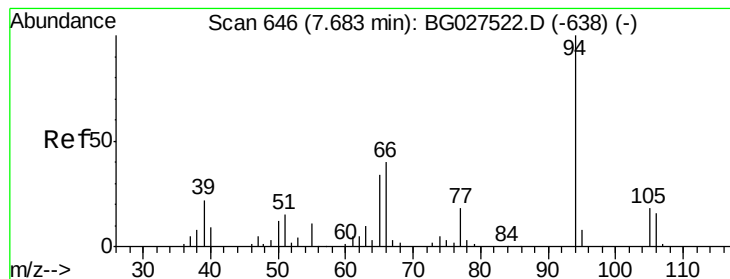
System Monitoring Compounds

3) 1,4-Dioxane-d8	4.08	96	568	0.70	ng/uL	0.00
5) Phenol-d5	7.65	99	15196	4.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.84	67	11456	4.78	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	10972	4.72	ng/ul	0.00
13) 4-Methylphenol-d8	9.20	113	12492	4.54	ng/ul	0.00
19) Nitrobenzene-d5	9.68	128	5785	4.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.40	143	6045	4.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.94	165	10984	4.64	ng/ul	0.00
29) 4-Chloroaniline-d4	11.46	131	17048	5.68	ng/ul	0.00
43) Dimethylphthalate-d6	14.49	166	43896	4.78	ng/ul	0.00
46) Acenaphthylene-d8	14.80	160	50791	4.80	ng/ul	0.00
51) 4-Nitrophenol-d4	15.27	143	5119	2.85	ng/ul	0.00
57) Fluorene-d10	16.09	176	40896	4.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.19	200	5302	3.31	ng/ul	0.00
70) Anthracene-d10	17.95	188	62917	5.24	ng/ul	0.00
76) Pyrene-d10	20.22	212	72620	5.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.62	264	62633	5.18	ng/ul	-0.01

Target Compounds

						Qvalue
6) Phenol	7.68	94	8846	2.40	ng/ul#	91
16) 4-Methylphenol	9.26	108	7543	2.58	ng/ul	95
28) Naphthalene	11.39	128	183261	21.94	ng/ul	98
34) 2-Methylnaphthalene	12.95	142	45465	7.34	ng/ul	92
40) 1,1'-Biphenyl	13.94	154	13084	1.51	ng/ul#	96
44) Dimethylphthalate	14.53	163	20826	2.29	ng/ul#	94
49) Acenaphthene	15.17	153	45785	6.19	ng/ul	97
53) Dibenzofuran	15.50	168	53500	4.96	ng/ul	96
58) Fluorene	16.14	166	54409	6.08	ng/ul	99
69) Phenanthrene	17.90	178	243756	17.60	ng/ul	100
71) Anthracene	17.99	178	35799	2.54	ng/ul	100
72) Carbazole	18.25	167	23189	1.91	ng/ul	97
74) Fluoranthene	19.89	202	138657	8.90	ng/ul#	87
77) Pyrene	20.25	202	92297	5.57	ng/ul#	88
80) Benzo(a)anthracene	22.21	228	25961	1.66	ng/ul	97
82) Chrysene	22.28	228	19247	1.37	ng/ul	98

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



#6

Phenol

Concen: 2.40 ng/ul

RT: 7.68 min Scan# 646

Delta R.T. 0.00 min

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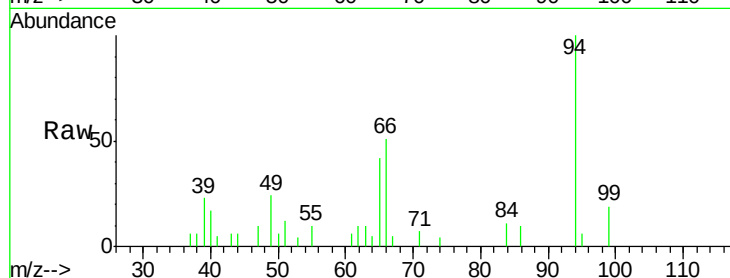
Tgt Ion: 94 Resp: 8846

Ion Ratio Lower Upper

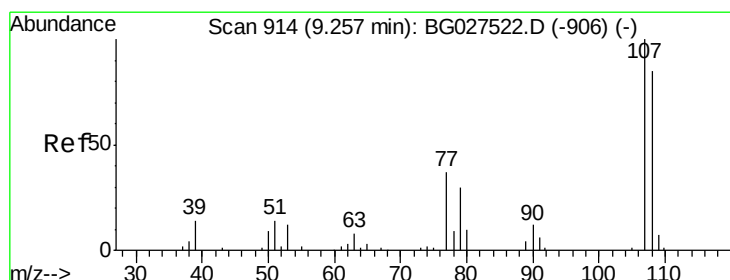
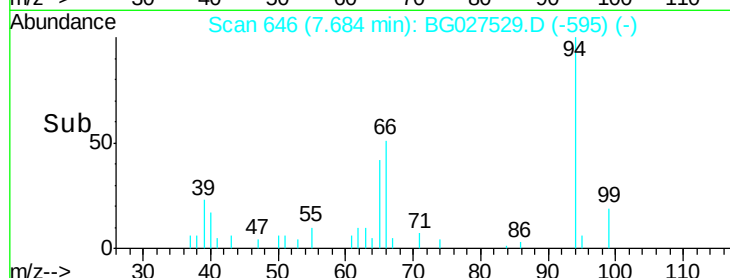
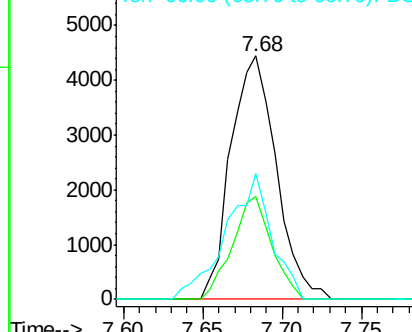
94 100

65 42.1 26.8 40.2#

66 51.5 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: 2.58 ng/ul

RT: 9.26 min Scan# 914

Delta R.T. 0.00 min

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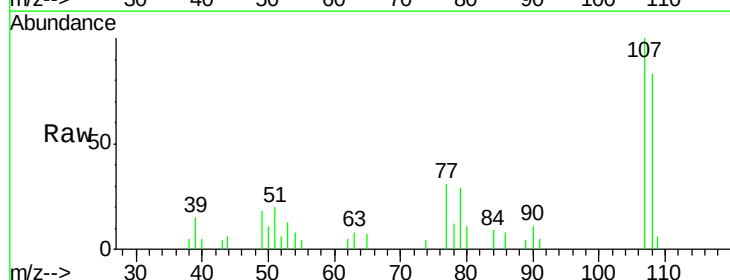
Acq: 19 Jun 2017 14:58

Tgt Ion: 108 Resp: 7543

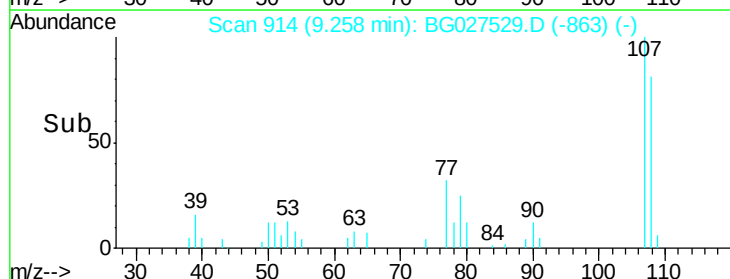
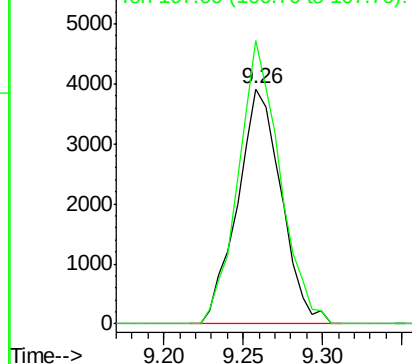
Ion Ratio Lower Upper

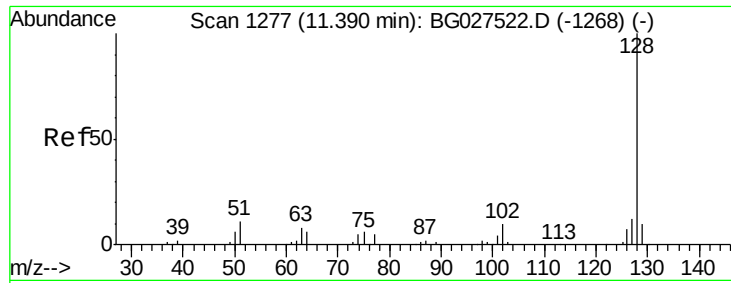
108 100

107 120.3 91.7 137.5



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





#28

Naphthalene

Concen: 21.94 ng/ul

RT: 11.39 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BG027529.D

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Instrument :

BNA_G

ClientSampleId :

F5B28DL

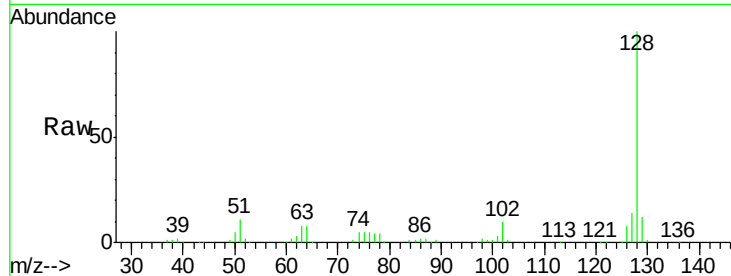
Tgt Ion:128 Resp: 183261

Ion Ratio Lower Upper

128 100

129 11.6 9.4 14.2

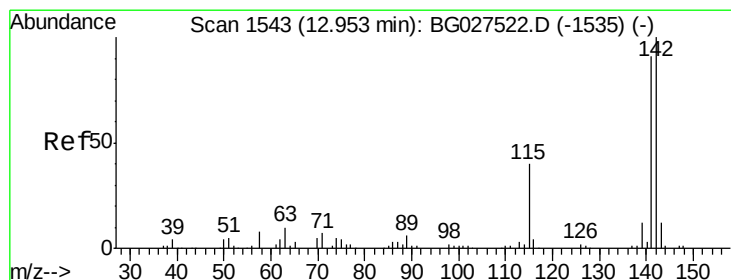
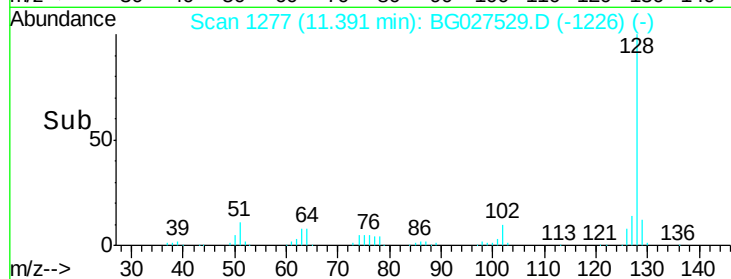
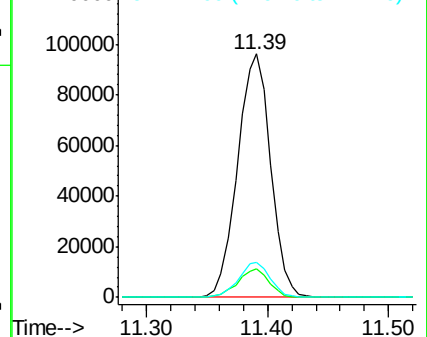
127 14.5 10.3 15.5



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



#34

2-Methylnaphthalene

Concen: 7.34 ng/ul

RT: 12.95 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BG027529.D

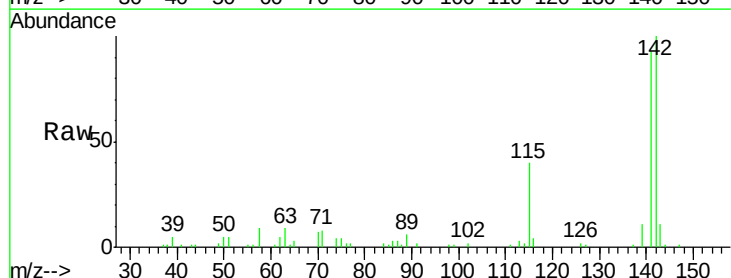
Acq: 19 Jun 2017 14:58

Tgt Ion:142 Resp: 45465

Ion Ratio Lower Upper

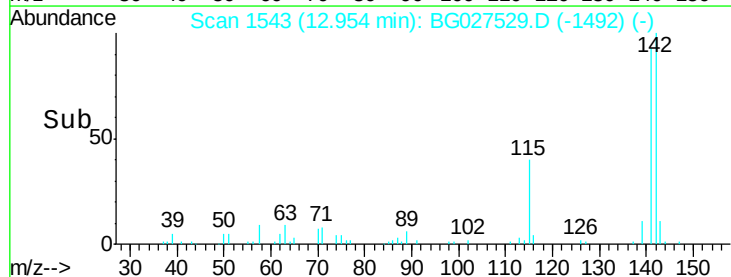
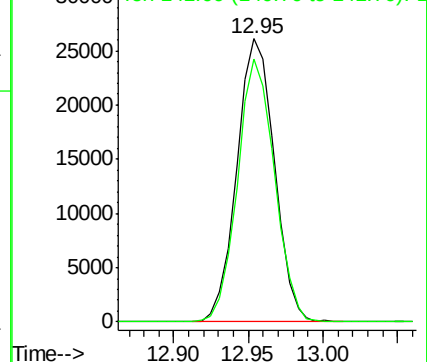
142 100

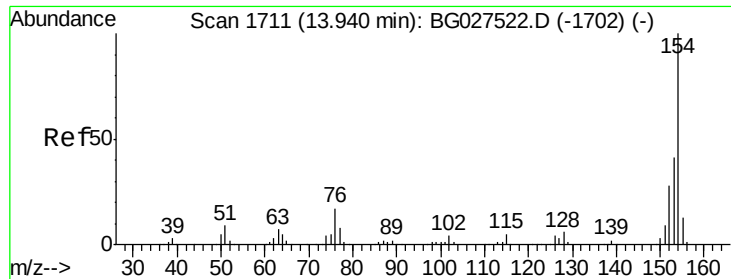
141 92.9 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

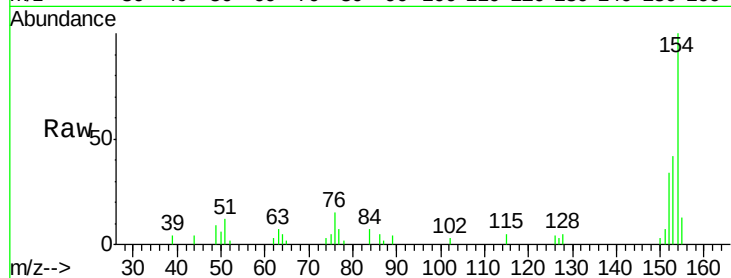




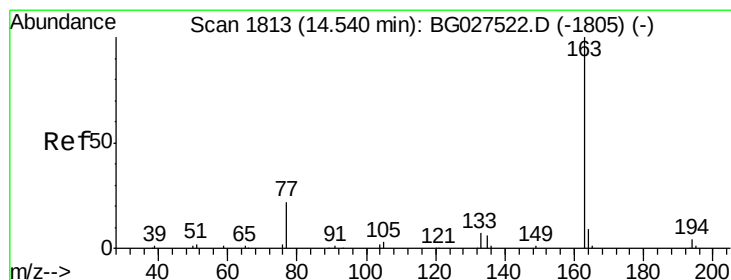
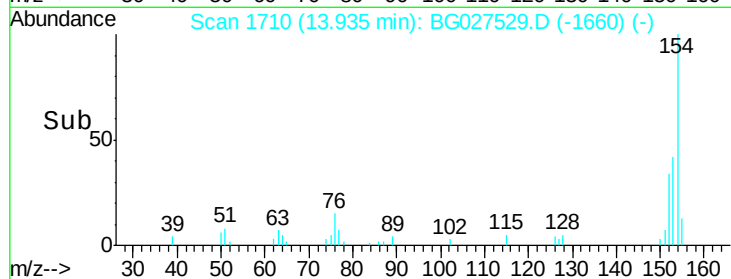
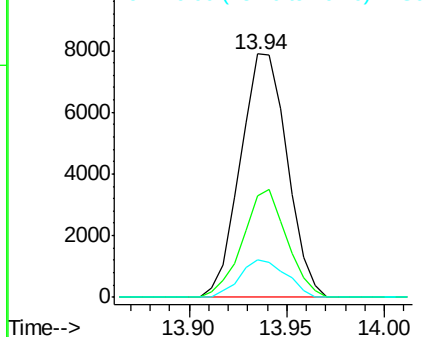
#40
 1,1'-Biphenyl
 Concen: 1.51 ng/ul
 RT: 13.94 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG027529.D
 Acq: 19 Jun 2017 14:58

Instrument :
 BNA_G
 ClientSampleId :
 F5B28DL

Tgt Ion:154 Resp: 13084
 Ion Ratio Lower Upper
 154 100
 153 41.6 32.2 48.2
 76 15.3 9.6 14.4#

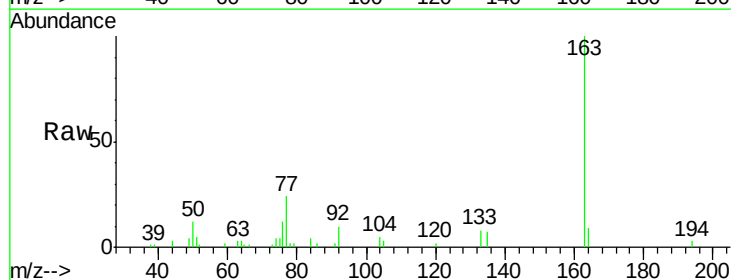


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

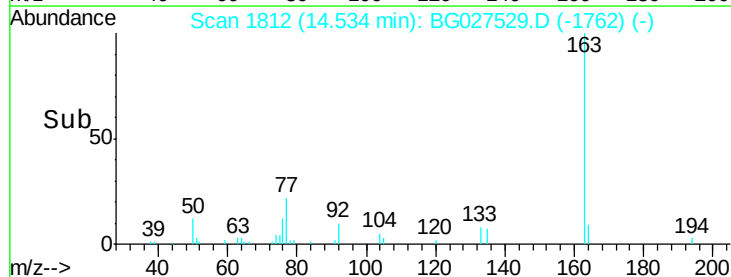
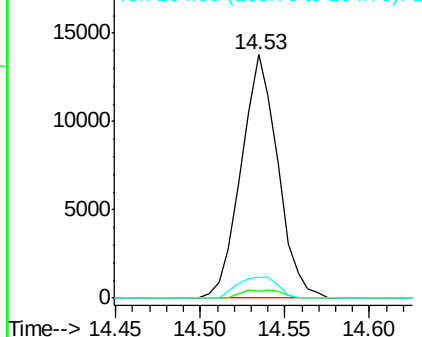


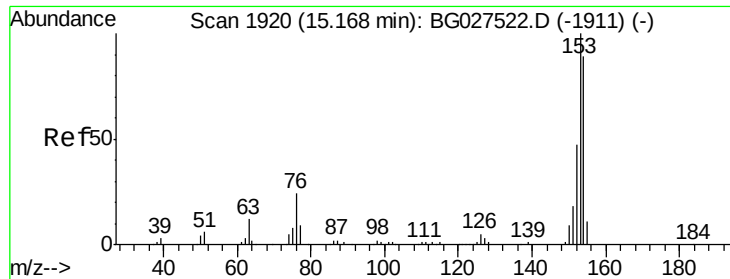
#44
 Dimethylphthalate
 Concen: 2.29 ng/ul
 RT: 14.53 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BG027529.D
 Acq: 19 Jun 2017 14:58

Tgt Ion:163 Resp: 20826
 Ion Ratio Lower Upper
 163 100
 194 3.0 3.4 5.0#
 164 8.8 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





#49

Acenaphthene

Concen: 6.19 ng/ul

RT: 15.17 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BG027529.D

Acq: 19 Jun 2017 14:58

Instrument :

BNA_G

ClientSampleId :

F5B28DL

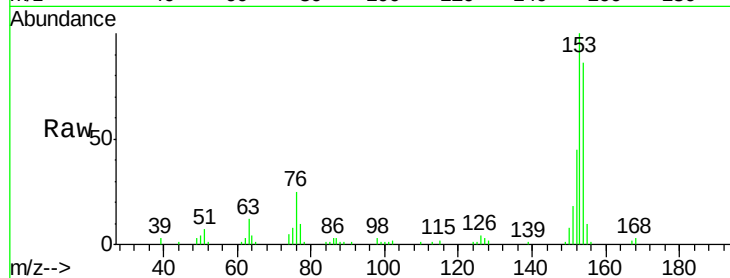
Tgt Ion:153 Resp: 45785

Ion Ratio Lower Upper

153 100

152 44.7 36.5 54.7

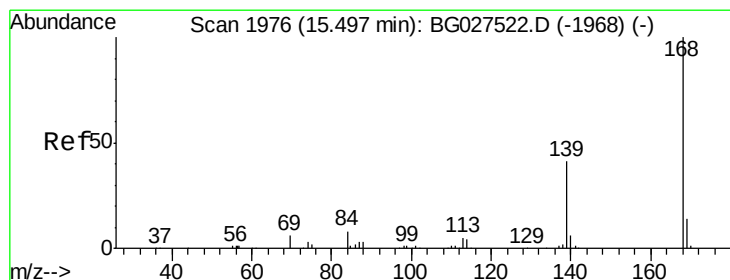
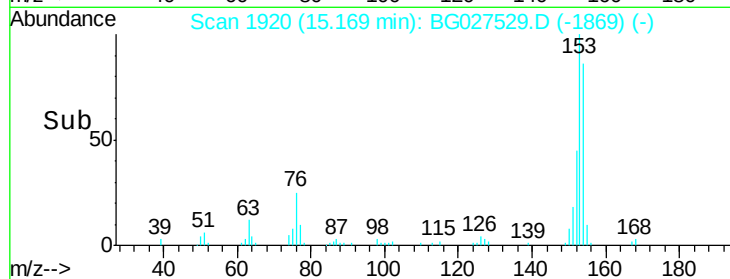
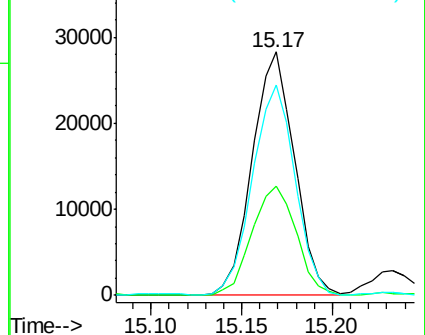
154 86.3 72.3 108.5



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: 4.96 ng/ul

RT: 15.50 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BG027529.D

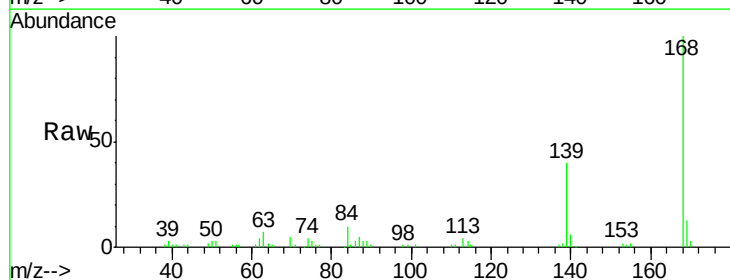
Acq: 19 Jun 2017 14:58

Tgt Ion:168 Resp: 53500

Ion Ratio Lower Upper

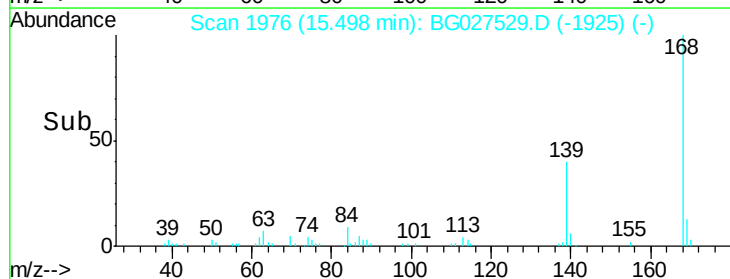
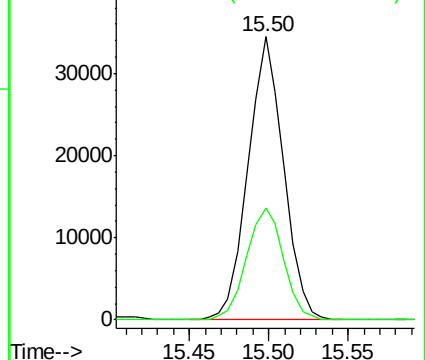
168 100

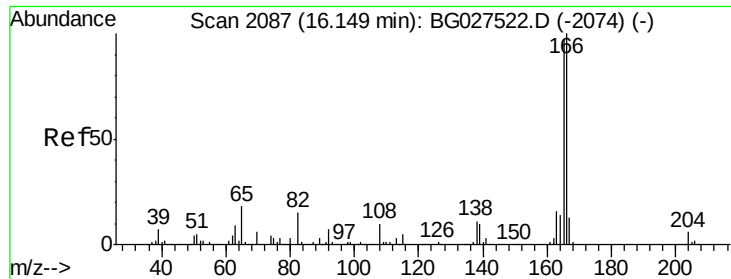
139 39.7 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.08 ng/ul

RT: 16.14 min Scan# 2086

Delta R.T. -0.01 min

Lab File: BG027529.D

Acq: 19 Jun 2017 14:58

Instrument :

BNA_G

ClientSampleId :

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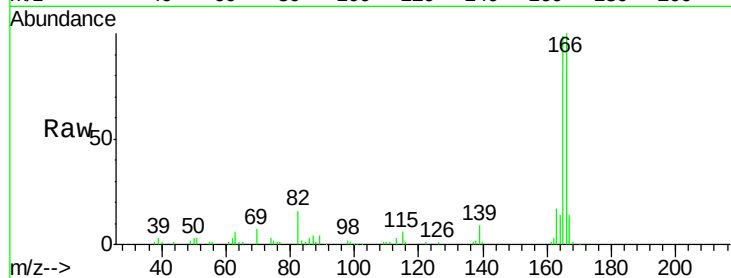
Tgt Ion:166 Resp: 54409

Ion Ratio Lower Upper

166 100

165 98.9 79.7 119.5

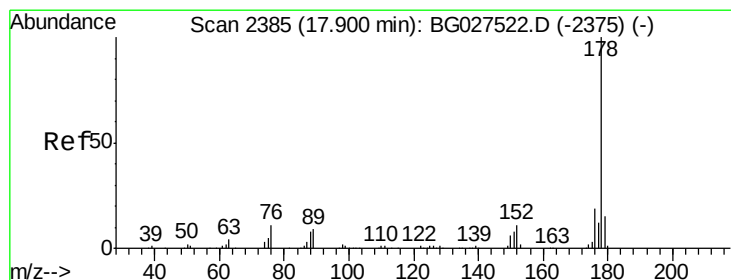
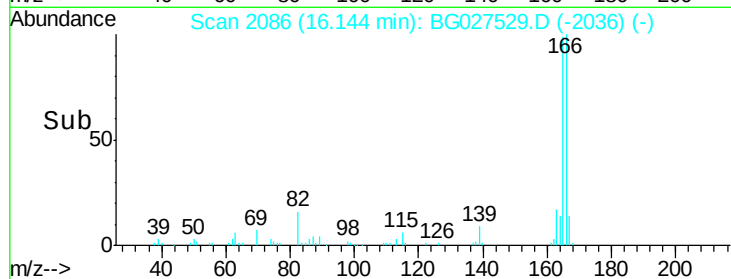
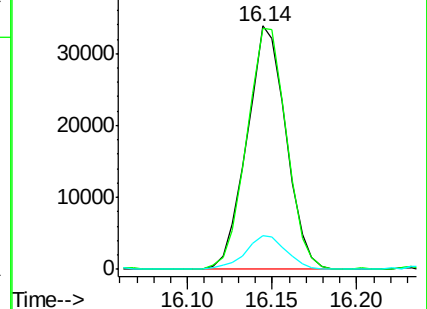
167 14.1 11.4 17.2



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: 17.60 ng/ul

RT: 17.90 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BG027529.D

Acq: 19 Jun 2017 14:58

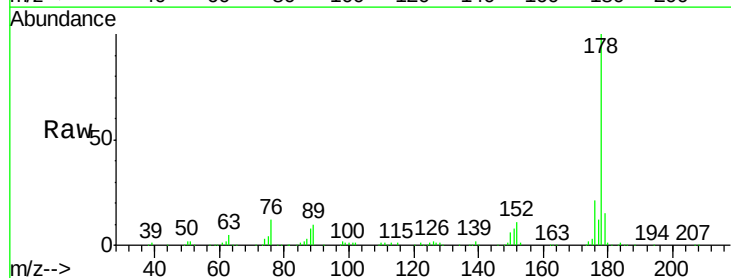
Tgt Ion:178 Resp: 243756

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

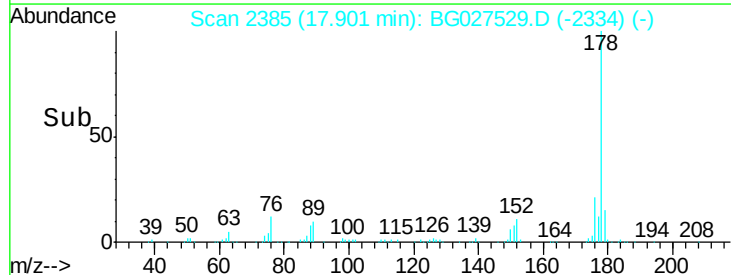
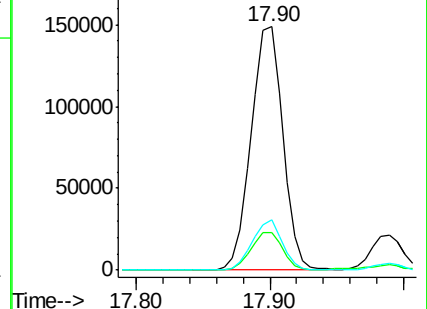
176 20.5 16.5 24.7

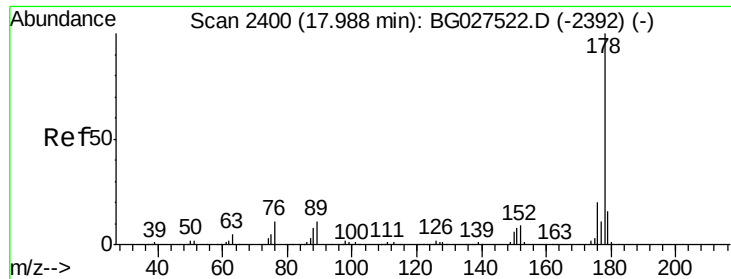


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

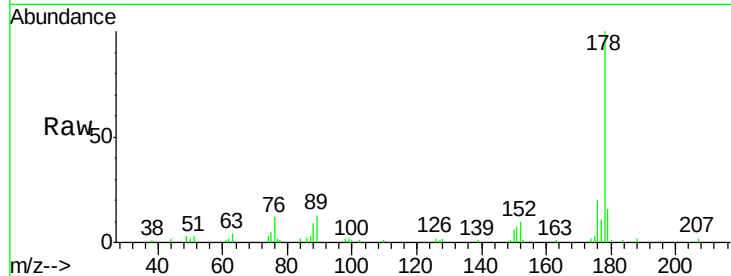




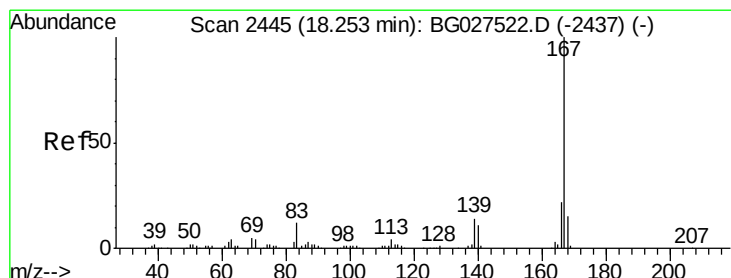
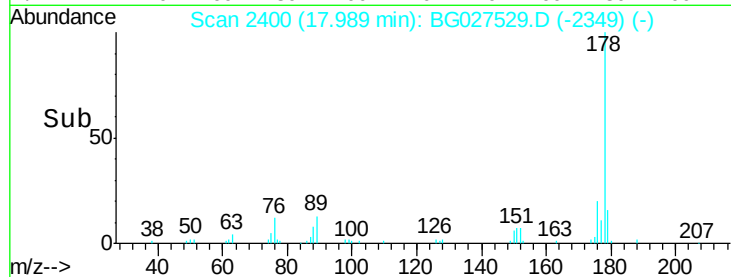
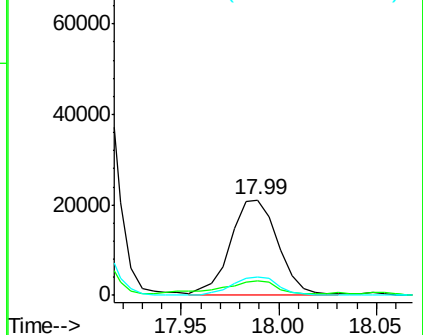
#71
 Anthracene
 Concen: 2.54 ng/ul
 RT: 17.99 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BG027529.D
 Acq: 19 Jun 2017 14:58

Instrument :
 BNA_G
 ClientSampleId :
 F5B28DL

Tgt Ion:178 Resp: 35799
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.6 19.0
 176 19.7 15.9 23.9

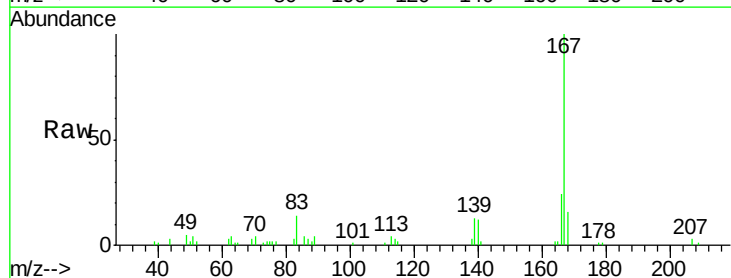


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

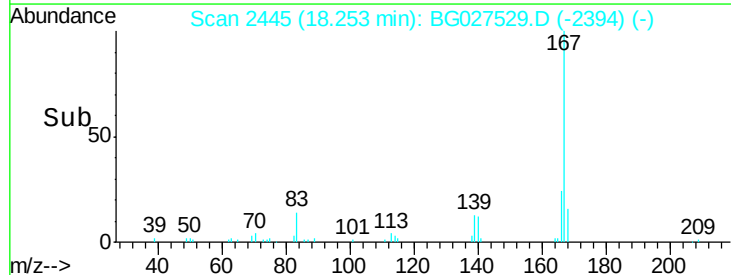
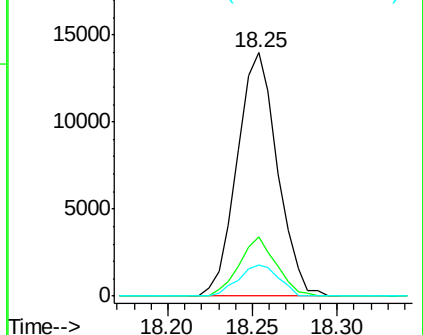


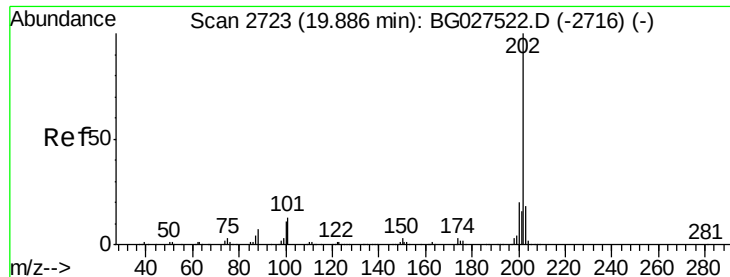
#72
 Carbazole
 Concen: 1.91 ng/ul
 RT: 18.25 min Scan# 2445
 Delta R.T. 0.00 min
 Lab File: BG027529.D
 Acq: 19 Jun 2017 14:58

Tgt Ion:167 Resp: 23189
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.9 26.9
 139 12.8 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: 8.90 ng/ul

RT: 19.89 min Scan# 2723

Delta R.T. 0.00 min

Lab File: BG027529.D

Acq: 19 Jun 2017 14:58

Instrument :

BNA_G

ClientSampleId :

F5B28DL

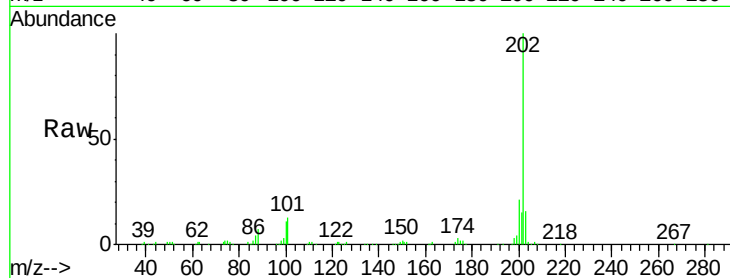
Tgt Ion:202 Resp: 138657

Ion Ratio Lower Upper

202 100

101 12.5 6.2 9.2#

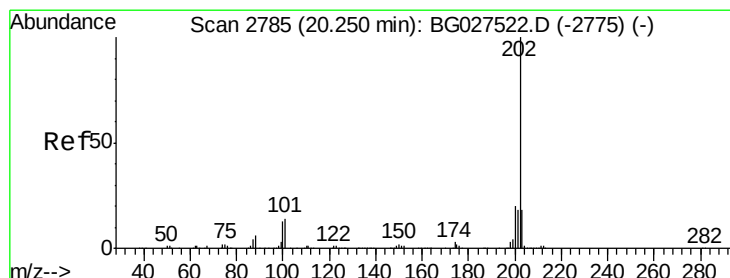
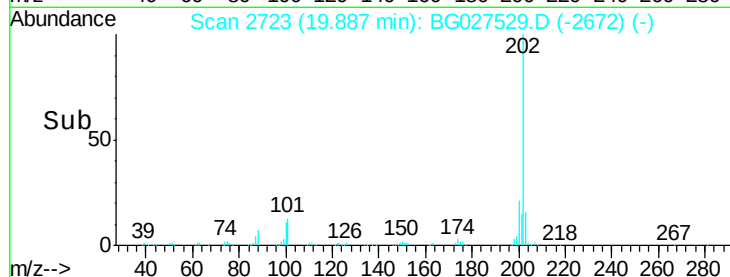
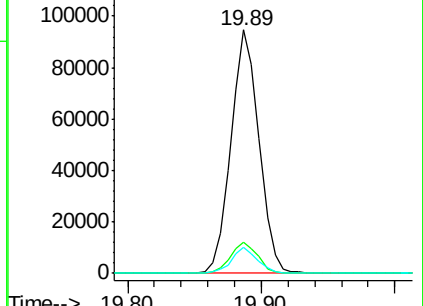
100 10.6 5.2 7.8#



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: 5.57 ng/ul

RT: 20.25 min Scan# 2785

Delta R.T. 0.00 min

Lab File: BG027529.D

Acq: 19 Jun 2017 14:58

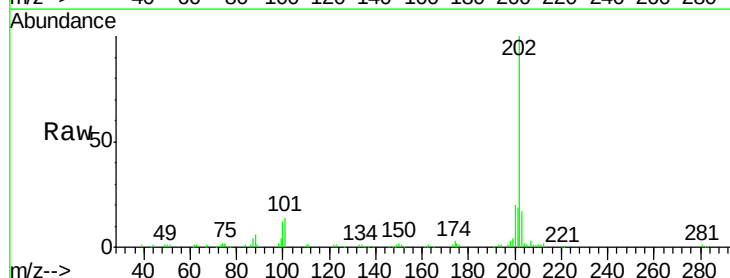
Tgt Ion:202 Resp: 92297

Ion Ratio Lower Upper

202 100

101 13.8 6.9 10.3#

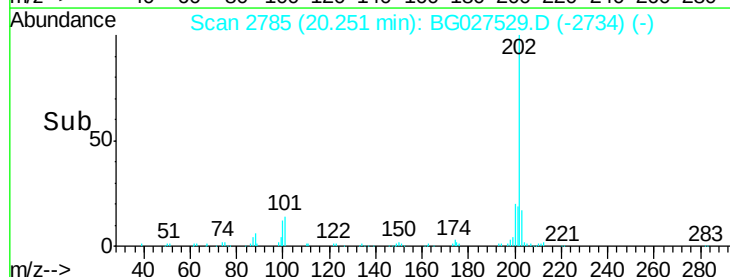
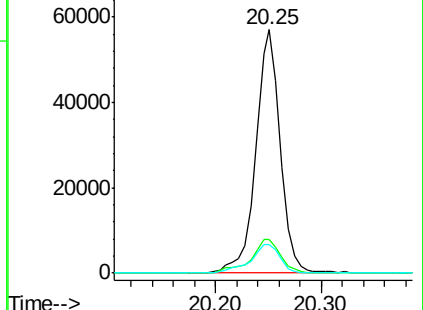
100 11.7 6.6 10.0#

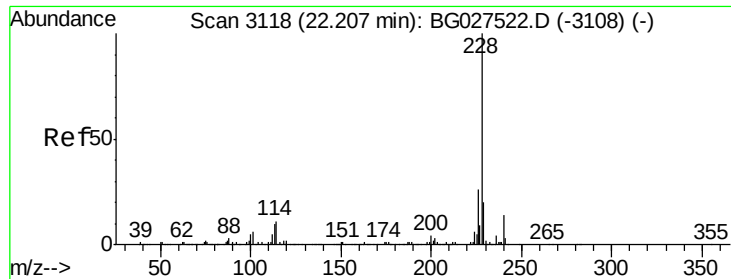


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

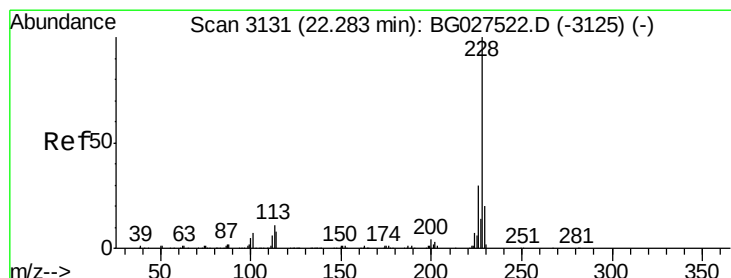
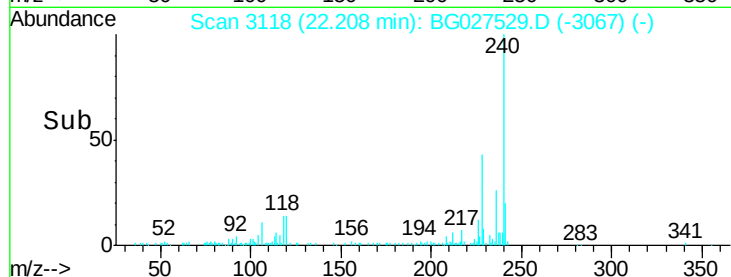
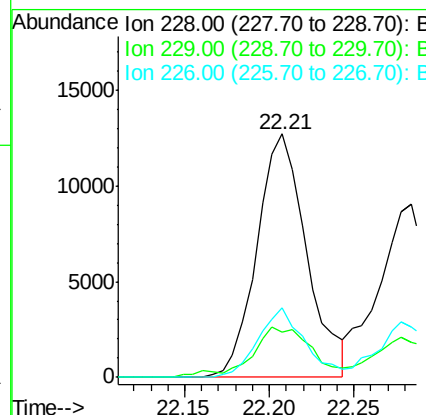
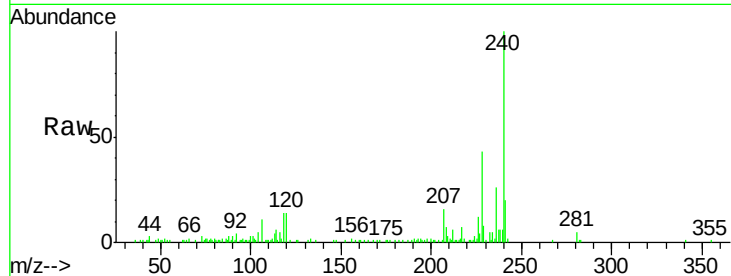




#80
Benzo(a)anthracene
Concen: 1.66 ng/ul
RT: 22.21 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BG027529.D
Acq: 19 Jun 2017 14:58

Instrument :
BNA_G
ClientSampleId :
F5B28DL

Tgt Ion:228 Resp: 25961
Ion Ratio Lower Upper
228 100
229 18.6 16.3 24.5
226 28.7 21.9 32.9



#82
Chrysene
Concen: 1.37 ng/ul
RT: 22.28 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BG027529.D
Acq: 19 Jun 2017 14:58

Tgt Ion:228 Resp: 19247
Ion Ratio Lower Upper
228 100
226 29.2 24.0 36.0
229 20.4 16.9 25.3

