

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101415\
 Data File : BG019189.D
 Acq On : 13 Oct 2015 21:32
 Operator : UM/NP
 Sample : G3996-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LH9

Quant Time: Oct 14 03:58:42 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG100415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 14 03:54:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	20210	20.00	ng/ul	0.00
18) Naphthalene-d8	10.84	136	86571	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	59371	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	132547	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	154721	20.00	ng/ul	0.00
86) Perylene-d12	24.91	264	153036	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	794	1.78	ng/uL	0.00
5) Phenol-d5	7.19	99	21926	12.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	14658	13.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	16788	12.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	18559	13.56	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	9483	14.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.91	143	10493	15.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	18988	14.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	6662	4.05	ng/ul	0.02
44) Dimethylphthalate-d6	14.06	166	67696	14.46	ng/ul	0.00
47) Acenaphthylene-d8	14.35	160	77529	13.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.87	143	10451	11.05	ng/ul	0.00
58) Fluorene-d10	15.65	176	72493	17.10	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.77	200	10264	14.27	ng/ul	0.00
71) Anthracene-d10	17.50	188	89683	14.37	ng/ul	0.00
79) Pyrene-d10	19.79	212	92016	12.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.68	264	110754	14.14	ng/ul	0.00

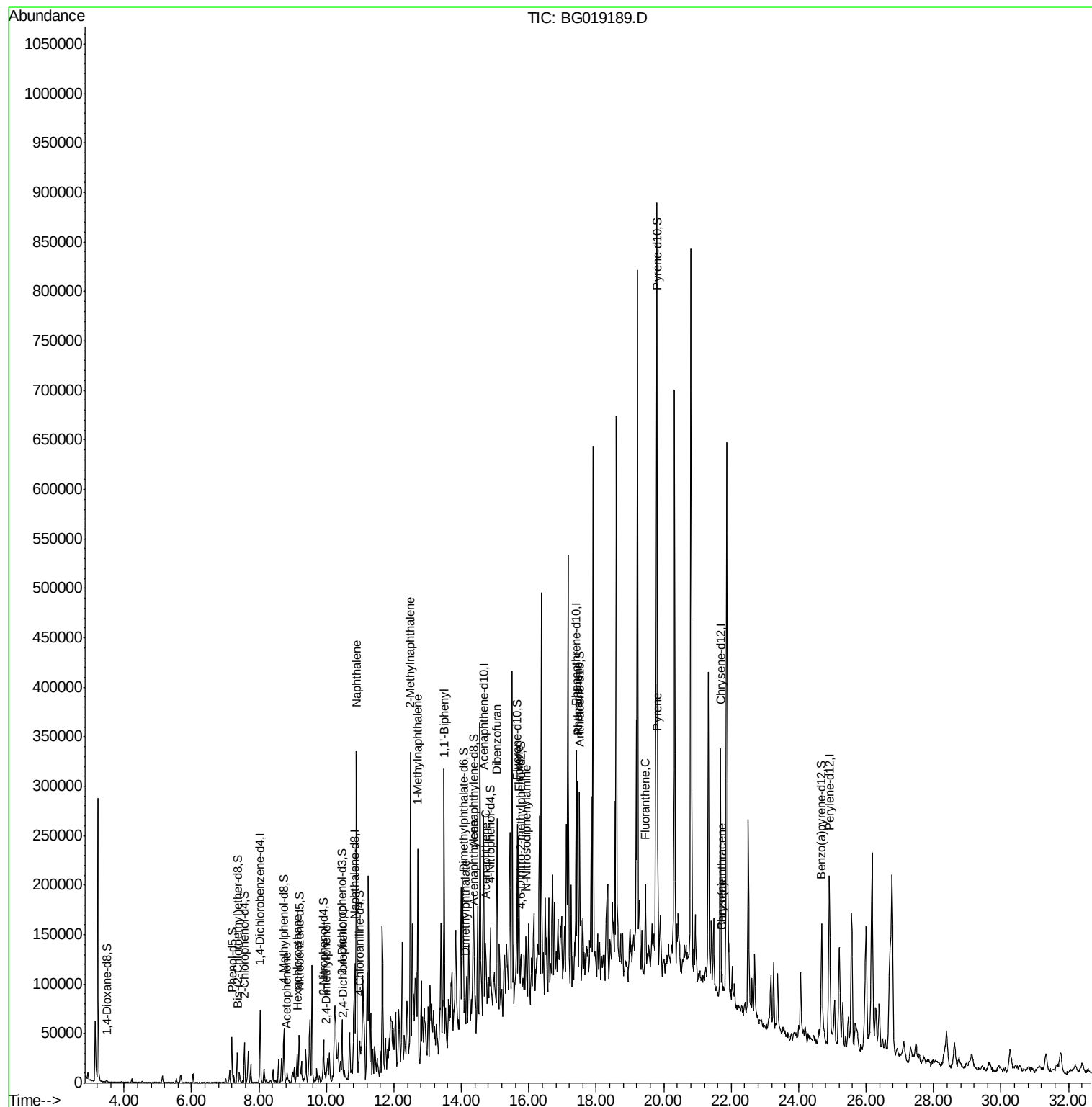
Target Compounds

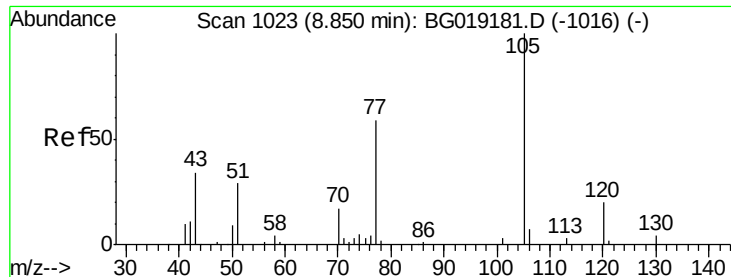
						Ovalue
14) Acetophenone	8.84	105	7195	3.39	ng/ul#	35
17) Hexachloroethane	9.14	117	3099	5.74	ng/ul#	1
24) 2,4-Dimethylphenol	10.01	107	5025	3.06	ng/ul	89
27) 2,4-Dichlorophenol	10.49	162	1660	1.20	ng/ul#	41
28) Naphthalene	10.89	128	239486	53.42	ng/ul	99
34) 2-Methylnaphthalene	12.49	142	143100	42.62	ng/ul	98
35) 1-Methylnaphthalene	12.71	142	90709	27.54	ng/ul#	97
41) 1,1'-Biophenyl	13.50	154	48345	9.99	ng/ul	97
45) Dimethylphthalate	14.11	163	10826	2.26	ng/ul#	98
48) Acenaphthylene	14.38	152	9431	1.52	ng/ul#	69
50) Acenaphthene	14.72	153	16541	3.93	ng/ul#	93
54) Dibenzofuran	15.06	168	81572	14.25	ng/ul	88
59) Fluorene	15.71	166	57433	11.91	ng/ul	90
65) N-Nitrosodiphenylamine	15.92	169	7033	1.82	ng/ul#	80
70) Phenanthrene	17.45	178	116476	15.60	ng/ul	96
72) Anthracene	17.45	178	116476	15.47	ng/ul	96
77) Fluoranthene	19.46	202	42978	4.94	ng/ul#	94
80) Pyrene	19.82	202	49283	5.29	ng/ul#	93
83) Benzo(a)anthracene	21.72	228	13392	1.50	ng/ul	97
85) Chrysene	21.72	228	13392	1.59	ng/ul	94

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

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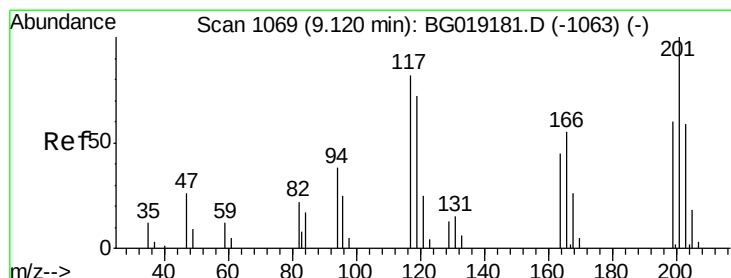
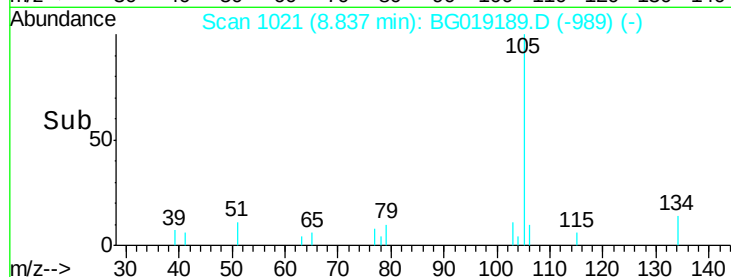
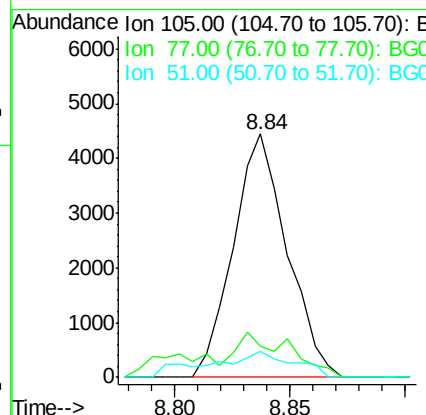
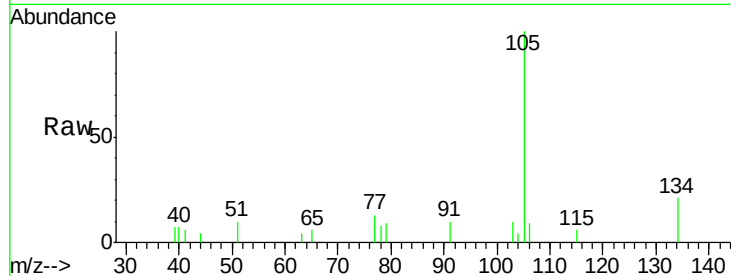




#14
Acetophenone
Concen: 3.39 ng/ul
RT: 8.84 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

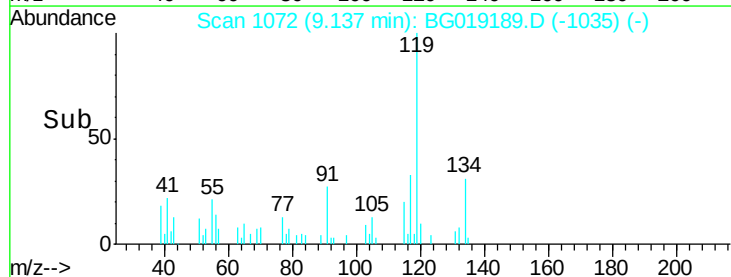
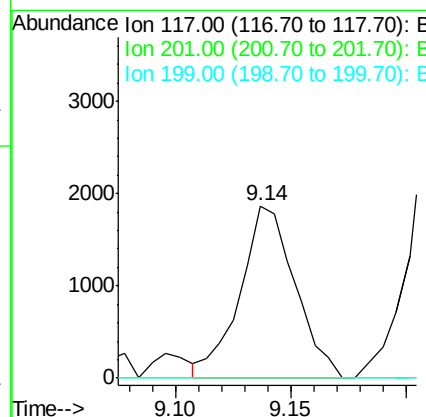
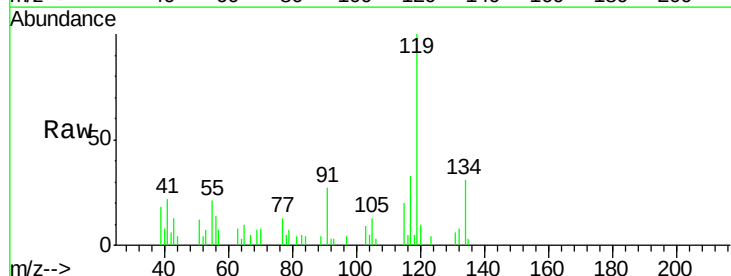
Instrument :
BNA_G
ClientSampleId :
E5LH9

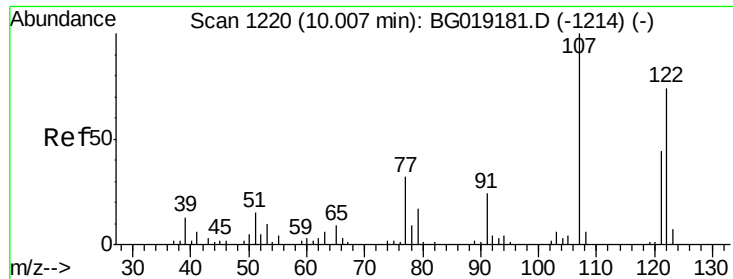
Tot Ion:105 Resp: 7195
Ion Ratio Lower Upper
105 100
77 12.7 63.8 95.6#
51 10.5 26.1 39.1#



#17
Hexachloroethane
Concen: 5.74 ng/ul
RT: 9.14 min Scan# 1072
Delta R.T. 0.02 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

Tgt Ion:117 Resp: 3099
Ion Ratio Lower Upper
117 100
201 0.0 91.4 137.0#
199 0.0 58.7 88.1#





#24

2,4-Dimethylphenol

Concen: 3.06 ng/ul

RT: 10.01 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

Instrument :

BNA_G

ClientSampleId :

E5LH9

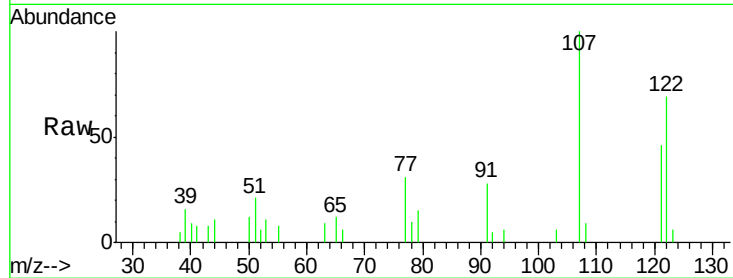
Tot Ion:107 Resp: 5025

Ion Ratio Lower Upper

107 100

121 46.4 37.2 55.8

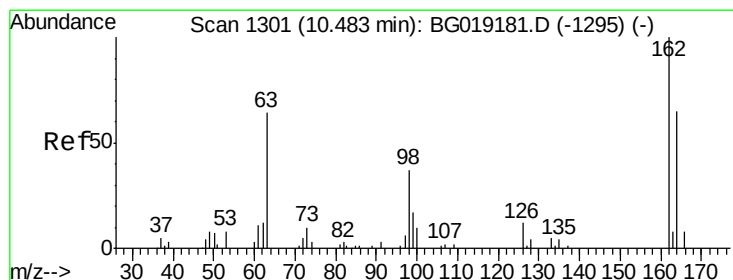
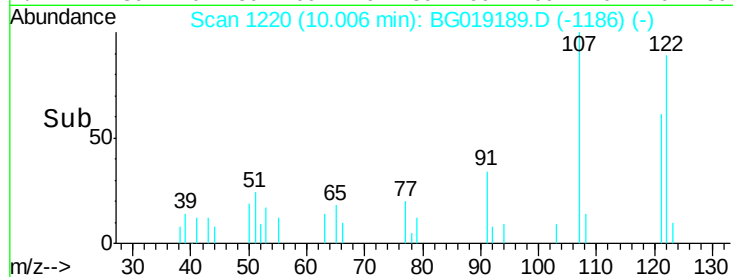
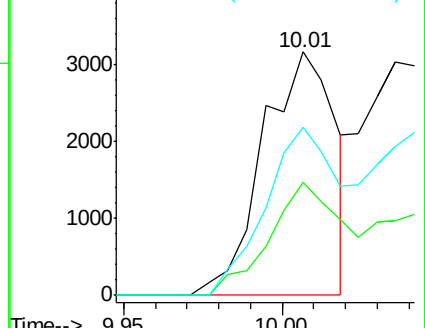
122 69.2 67.6 101.4



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#27

2,4-Dichlorophenol

Concen: 1.20 ng/ul

RT: 10.49 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

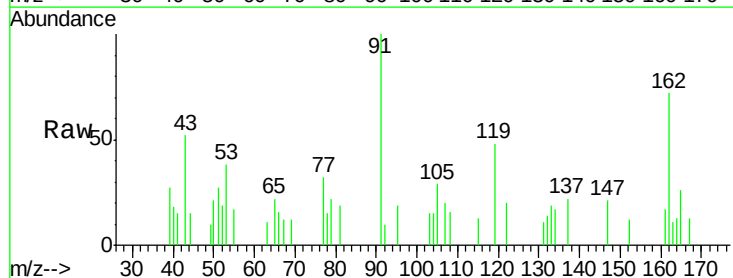
Tgt Ion:162 Resp: 1660

Ion Ratio Lower Upper

162 100

164 18.2 50.0 75.0#

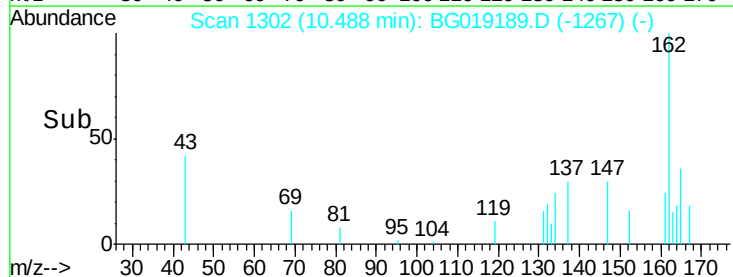
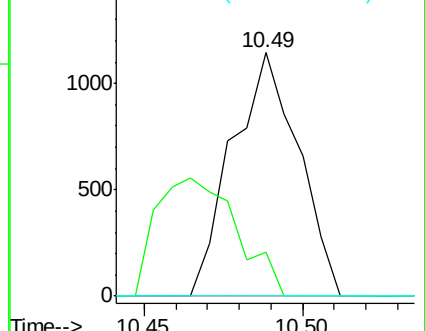
98 0.0 29.0 43.6#

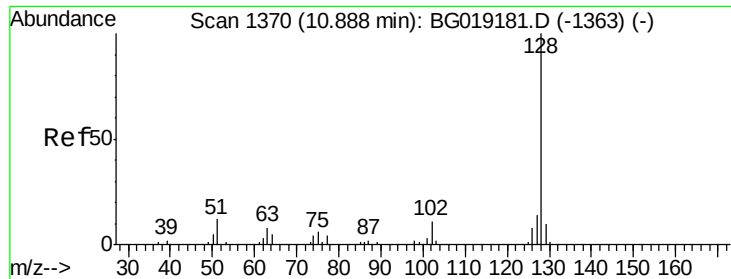


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC

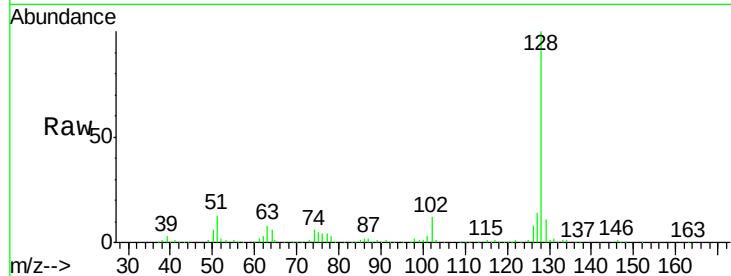




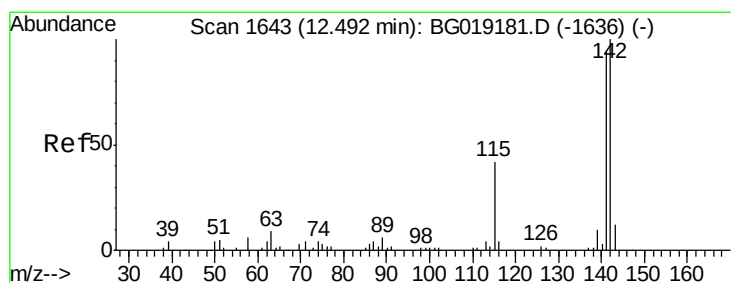
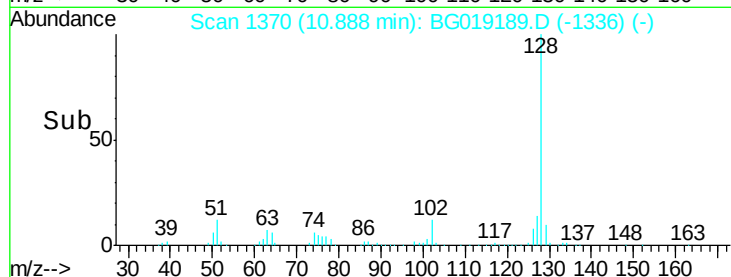
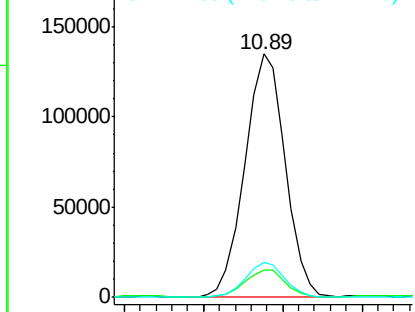
#28
Naphthalene
Concen: 53.42 ng/ul
RT: 10.89 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

Instrument :
BNA_G
ClientSampleId :
E5LH9

Tot Ion:128 Resp: 239486
Ion Ratio Lower Upper
128 100
129 11.2 9.6 14.4
127 14.5 11.3 16.9

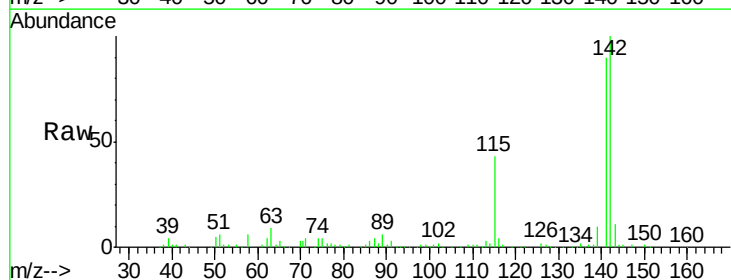


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

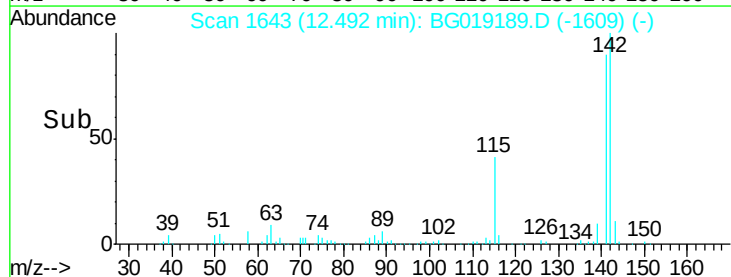
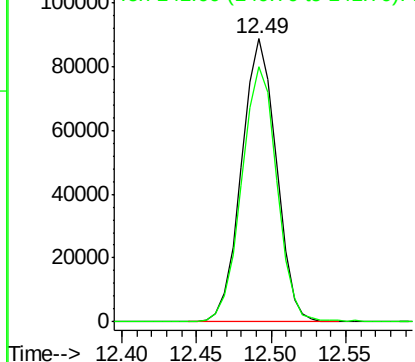


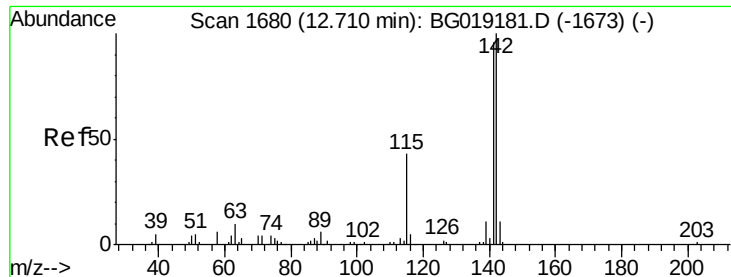
#34
2-Methylnaphthalene
Concen: 42.62 ng/ul
RT: 12.49 min Scan# 1643
Delta R.T. -0.00 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

Tgt Ion:142 Resp: 143100
Ion Ratio Lower Upper
142 100
141 90.0 73.4 110.0



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

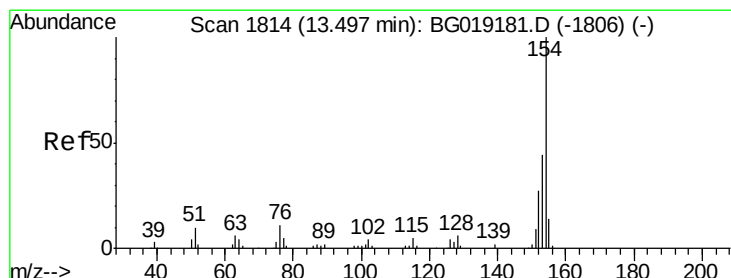
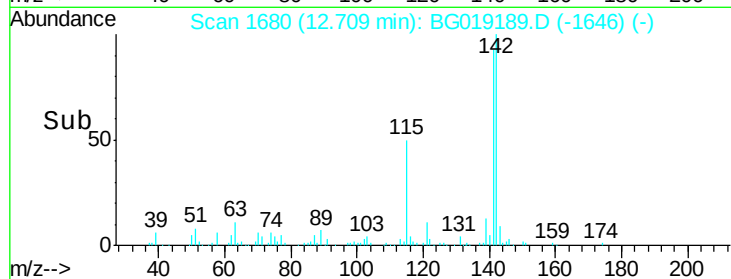
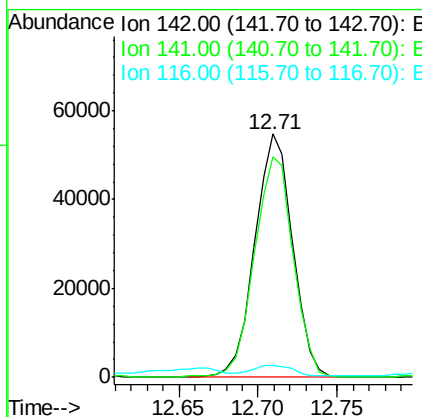
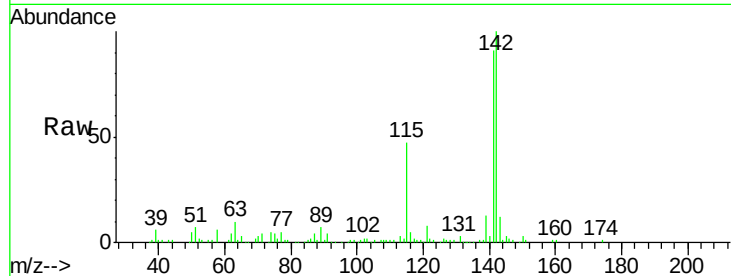




#35
 1-Methylnaphthalene
 Concen: 27.54 ng/ul
 RT: 12.71 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: BG019189.D
 Acq: 13 Oct 2015 21:32

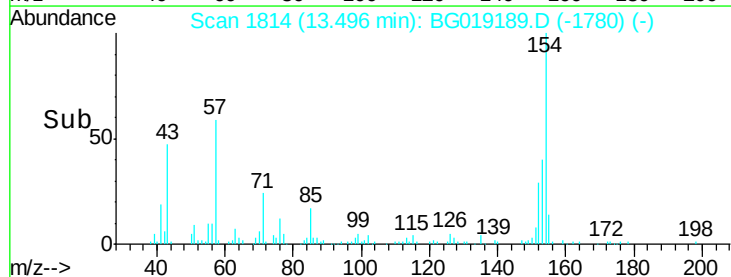
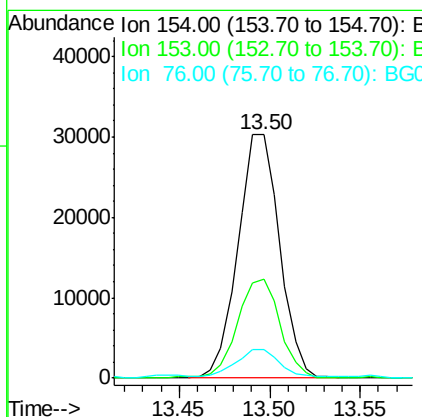
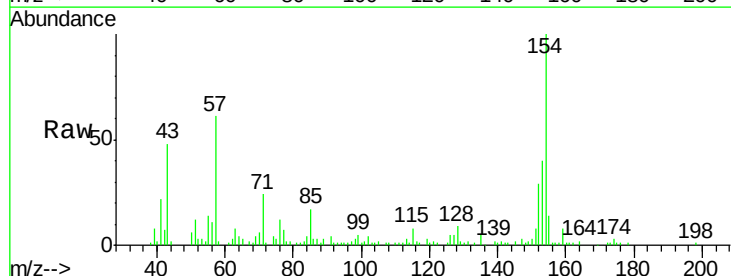
Instrument :
 BNA_G
 ClientSampled :
 E5LH9

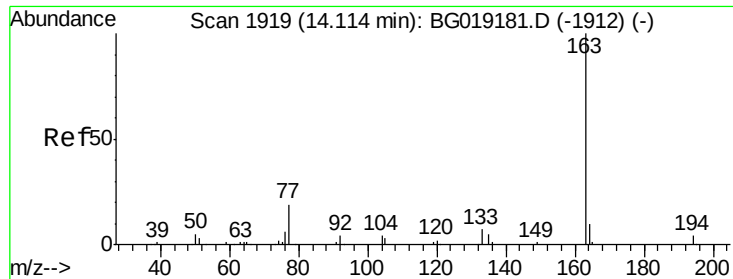
Tot Ion:142 Resp: 90709
 Ion Ratio Lower Upper
 142 100
 141 90.6 74.8 112.2
 116 4.9 3.2 4.8#



#41
 1,1'-Biphenyl
 Concen: 9.99 ng/ul
 RT: 13.50 min Scan# 1814
 Delta R.T. -0.00 min
 Lab File: BG019189.D
 Acq: 13 Oct 2015 21:32

Tgt Ion:154 Resp: 48345
 Ion Ratio Lower Upper
 154 100
 153 40.5 31.4 47.0
 76 11.7 10.8 16.2

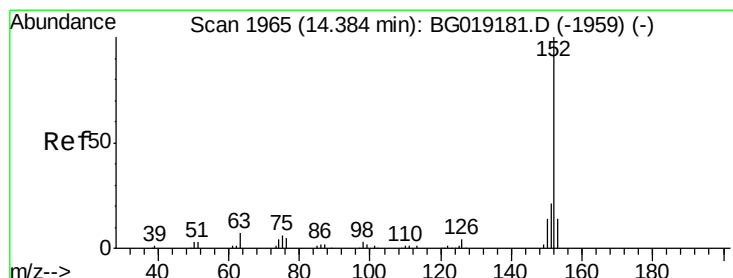
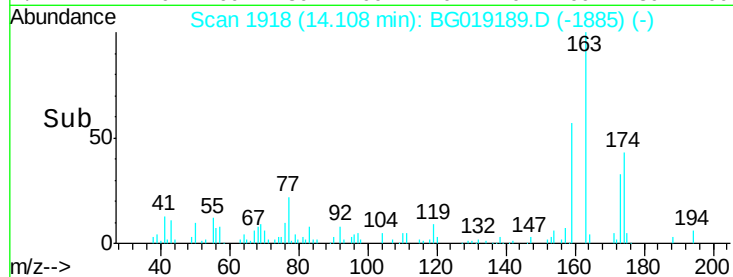
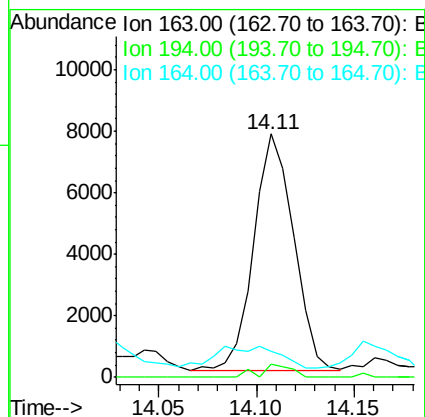
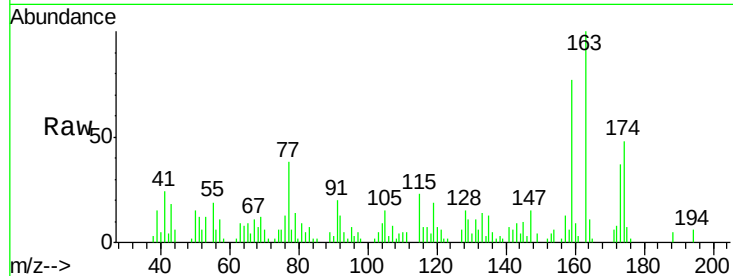




#45
Dimethylphthalate
Concen: 2.26 ng/ul
RT: 14.11 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

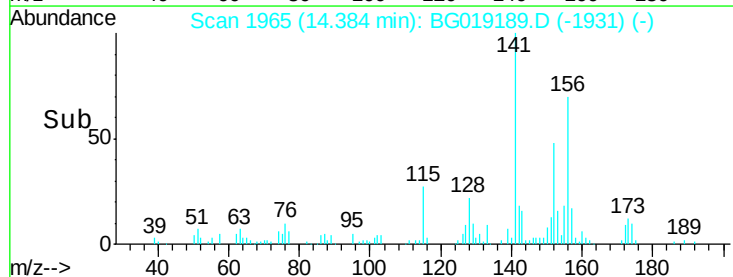
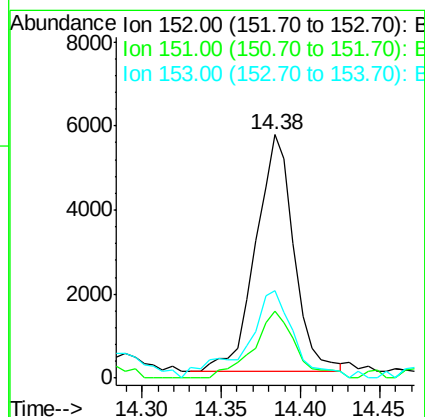
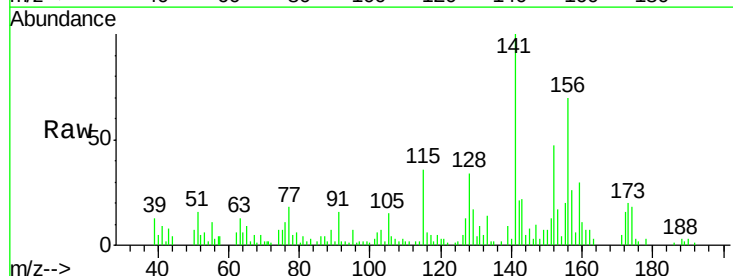
Instrument :
BNA_G
ClientSampled :
E5LH9

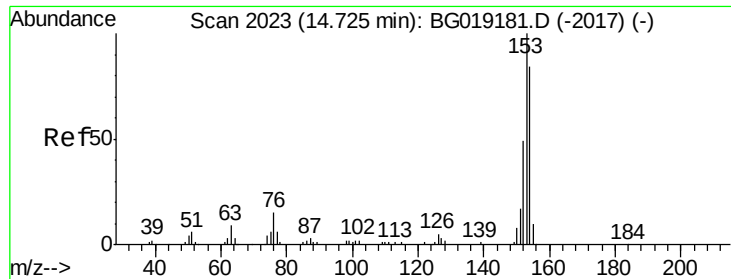
Tot Ion:163 Resp: 10826
Ion Ratio Lower Upper
163 100
194 5.5 3.3 4.9#
164 10.7 8.1 12.1



#48
Acenaphthylene
Concen: 1.52 ng/ul
RT: 14.38 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

Tgt Ion:152 Resp: 9431
Ion Ratio Lower Upper
152 100
151 27.4 16.6 25.0#
153 36.1 10.5 15.7#





#50

Acenaphthene

Concen: 3.93 ng/ul

RT: 14.72 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

Instrument :

BNA_G

ClientSampleId :

E5LH9

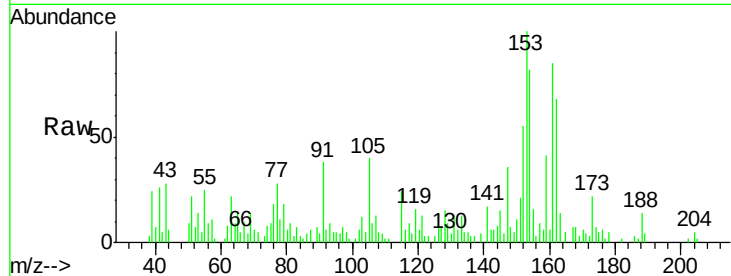
Tot Ion:153 Resp: 16541

Ion Ratio Lower Upper

153 100

152 55.4 36.2 54.2#

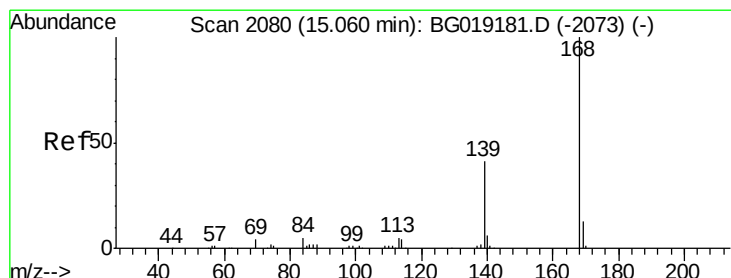
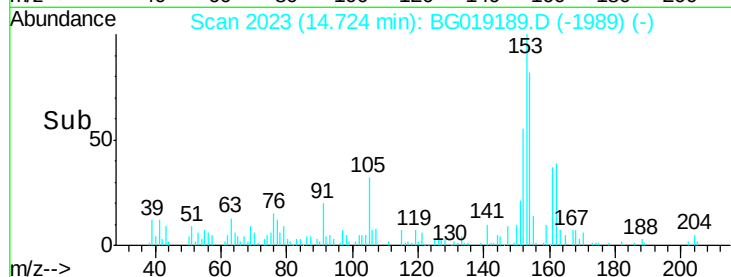
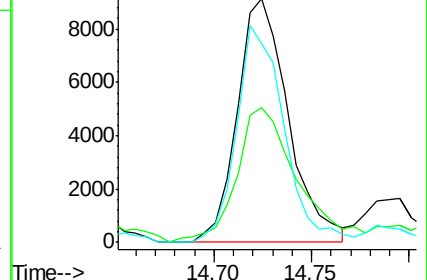
154 81.8 67.5 101.3



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



#54

Dibenzofuran

Concen: 14.25 ng/ul

RT: 15.06 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG019189.D

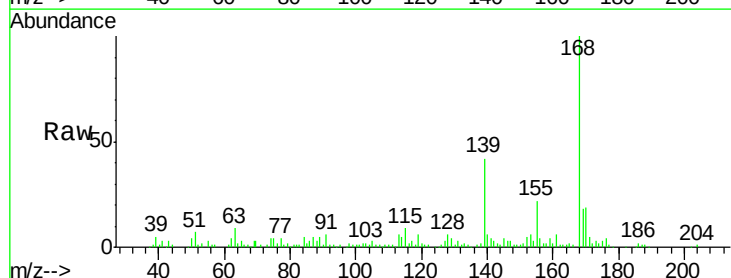
Acq: 13 Oct 2015 21:32

Tgt Ion:168 Resp: 81572

Ion Ratio Lower Upper

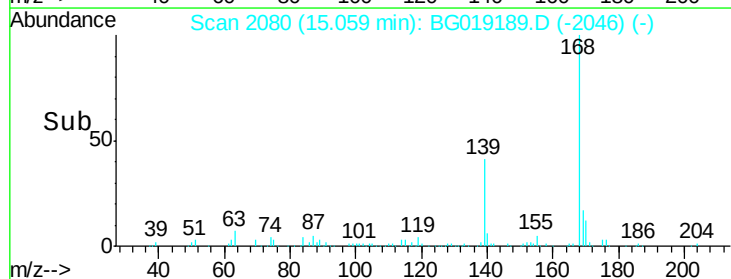
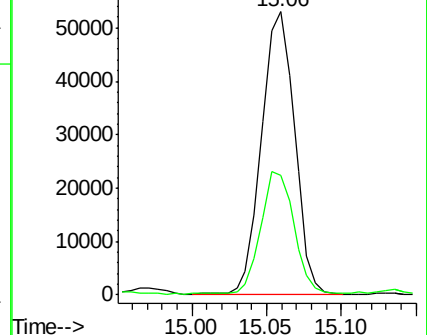
168 100

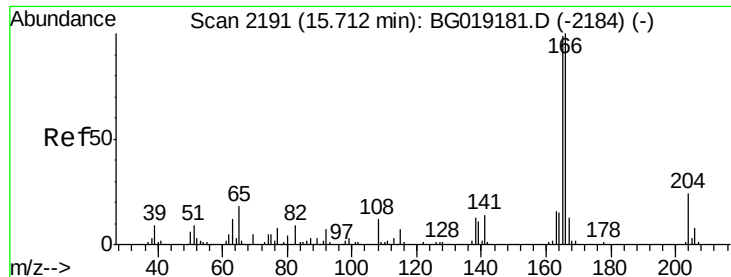
139 42.4 28.5 42.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 11.91 ng/ul

RT: 15.71 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

Instrument :

BNA_G

ClientSampleId :

E5LH9

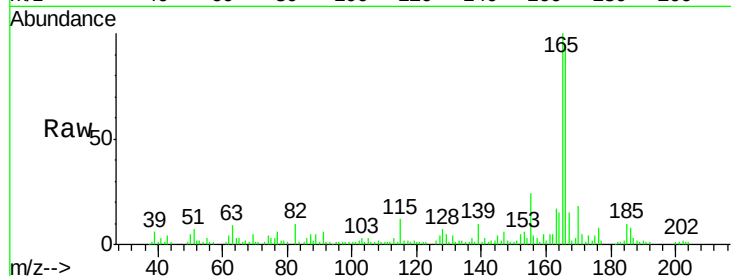
Tot Ion:166 Resp: 57433

Ion Ratio Lower Upper

166 100

165 106.9 77.7 116.5

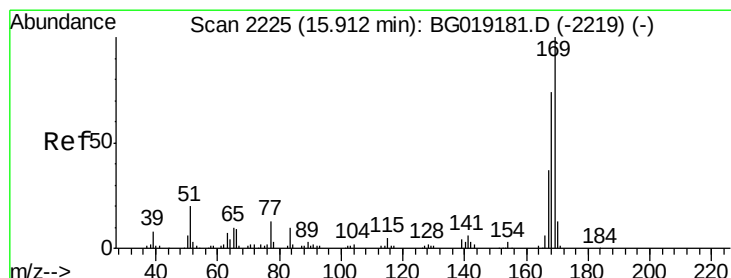
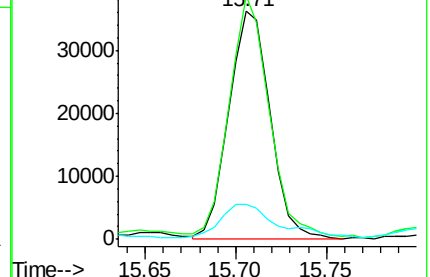
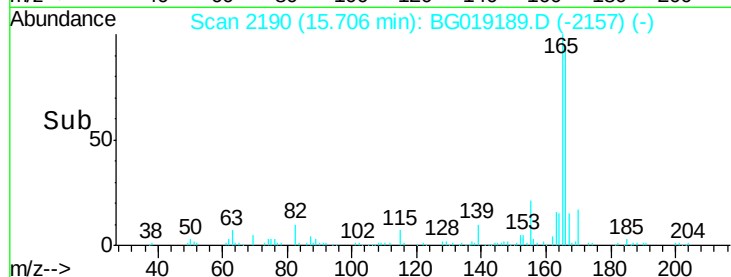
167 15.6 10.4 15.6



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



#65

N-Nitrosodiphenylamine

Concen: 1.82 ng/ul

RT: 15.92 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

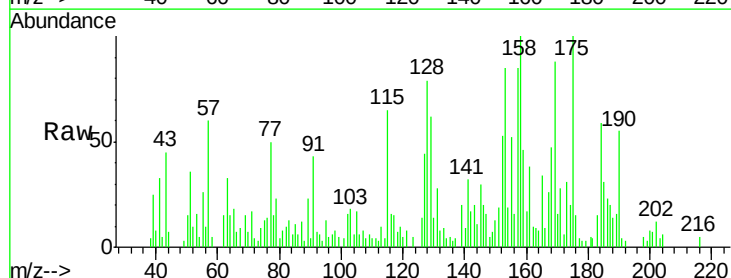
Tgt Ion:169 Resp: 7033

Ion Ratio Lower Upper

169 100

168 53.7 58.2 87.4#

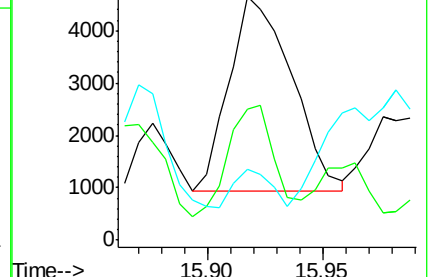
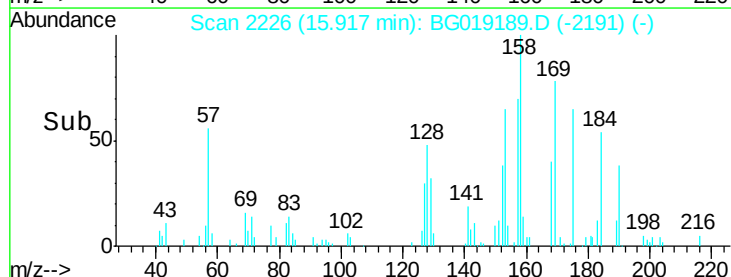
167 29.0 30.9 46.3#

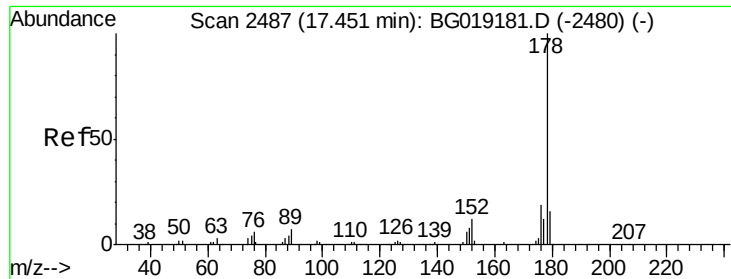


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 15.60 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. -0.00 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

Instrument :

BNA_G

ClientSampleId :

E5LH9

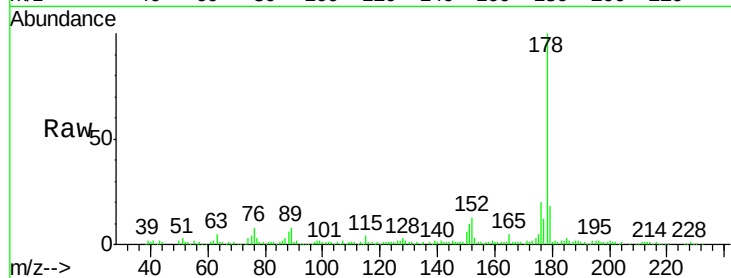
Tot Ion:178 Resp: 116476

Ion Ratio Lower Upper

178 100

179 17.8 12.5 18.7

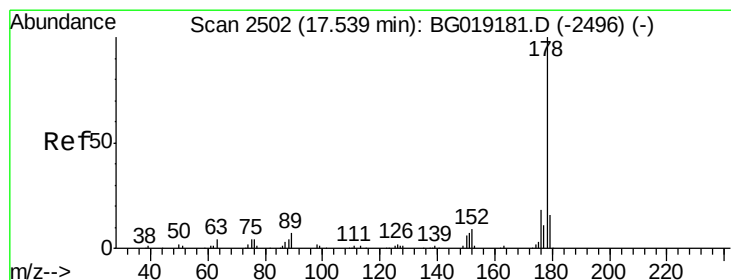
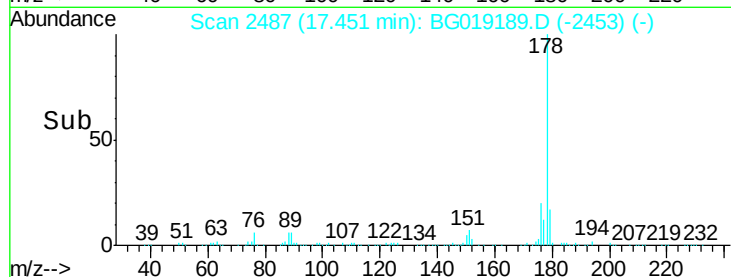
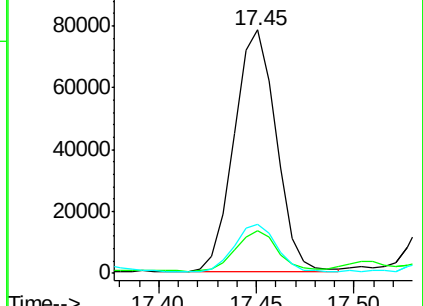
176 20.3 15.4 23.0



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

Anthracene

Concen: 15.47 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. -0.09 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

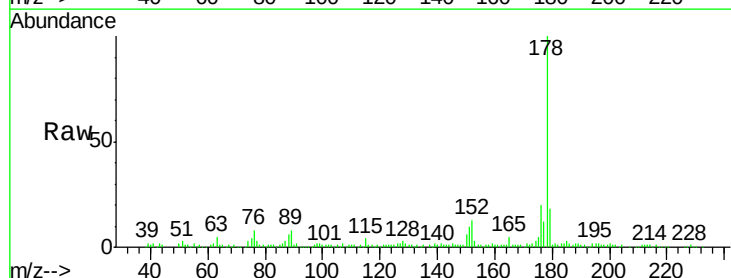
Tgt Ion:178 Resp: 116476

Ion Ratio Lower Upper

178 100

179 17.8 12.2 18.4

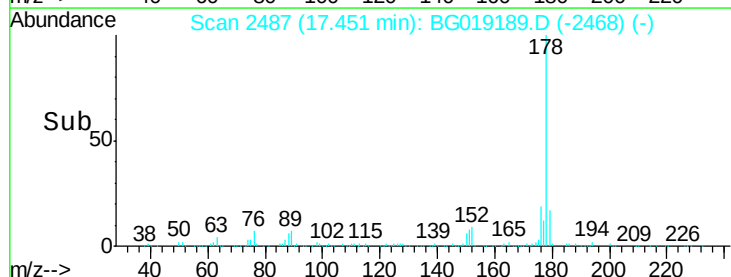
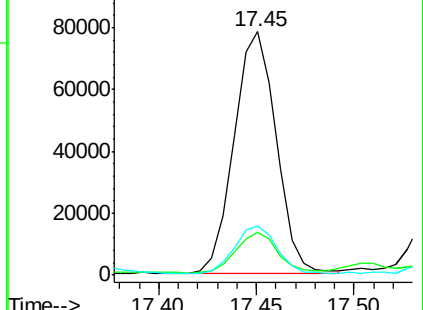
176 20.3 15.0 22.6

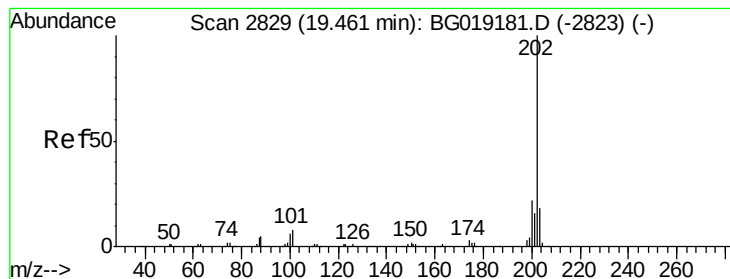


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 4.94 ng/ul

RT: 19.46 min Scan# 2829

Delta R.T. -0.00 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

Instrument :

BNA_G

ClientSampleId :

E5LH9

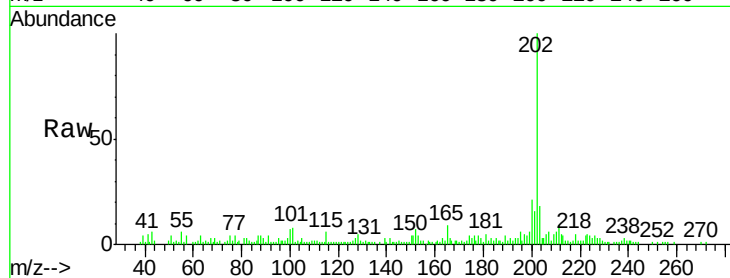
Tot Ion:202 Resp: 42978

Ion Ratio Lower Upper

202 100

101 8.3 9.0 13.4#

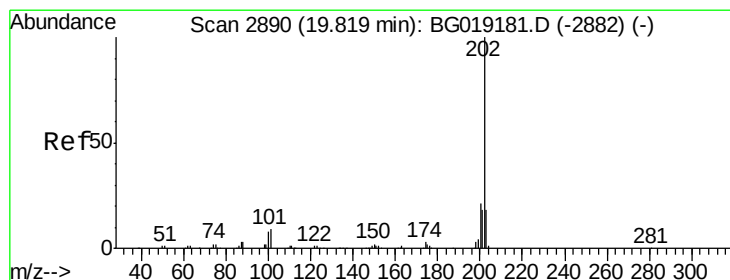
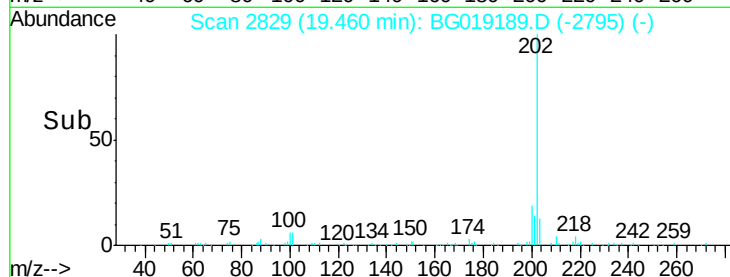
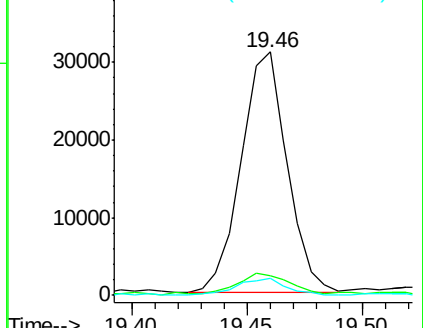
100 7.0 6.9 10.3



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

Pyrene

Concen: 5.29 ng/ul

RT: 19.82 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG019189.D

Acq: 13 Oct 2015 21:32

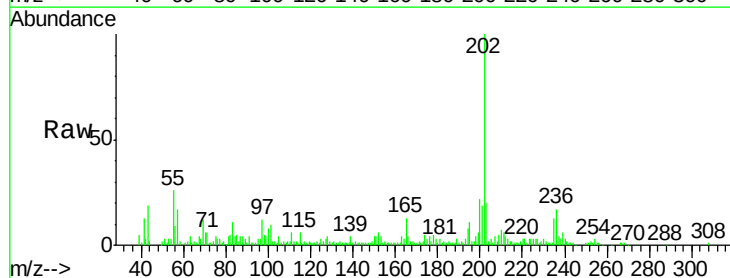
Tgt Ion:202 Resp: 49283

Ion Ratio Lower Upper

202 100

101 10.3 10.2 15.2

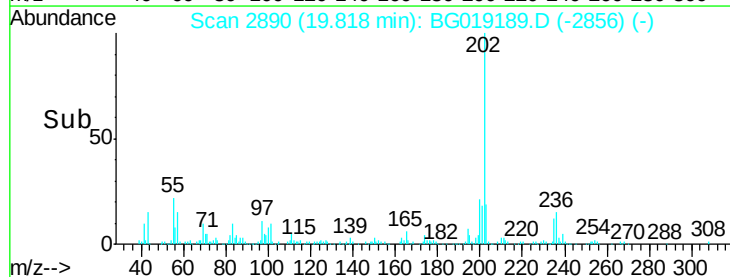
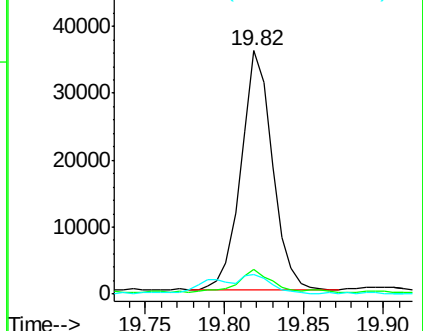
100 7.9 8.5 12.7#

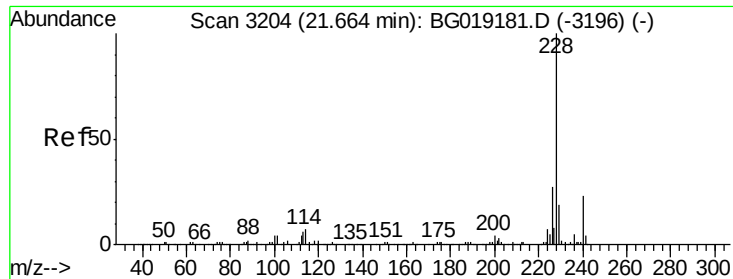


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

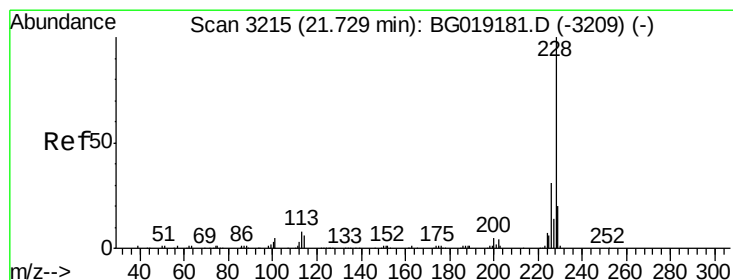
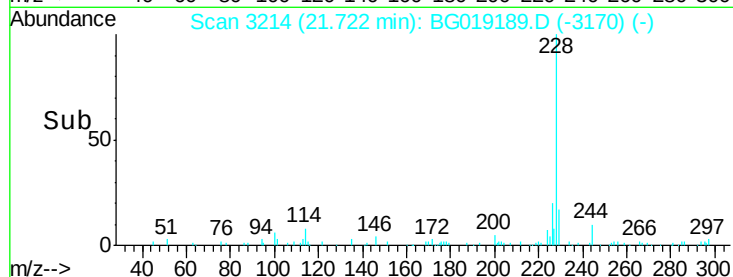
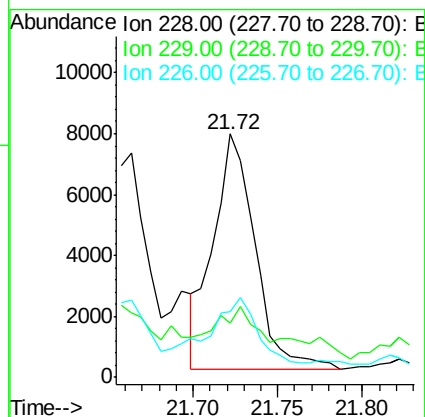
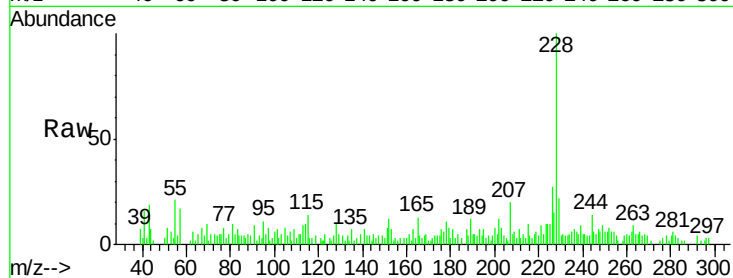




#83
Benzo(a)anthracene
Concen: 1.50 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. 0.06 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

Instrument :
BNA_G
ClientSampled :
E5LH9

Tot Ion:228 Resp: 13392
Ion Ratio Lower Upper
228 100
229 22.4 16.6 24.8
226 26.8 22.8 34.2



#85
Chrysene
Concen: 1.59 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG019189.D
Acq: 13 Oct 2015 21:32

Tgt Ion:228 Resp: 13392
Ion Ratio Lower Upper
228 100
226 26.8 24.2 36.2
229 22.4 15.6 23.4

