

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG102815\
 Data File : BG019422.D
 Acq On : 29 Oct 2015 18:06
 Operator : UM/NP
 Sample : G3996-18REDL 25X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7DL

Quant Time: Oct 30 03:28:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 30 04:25:10 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	40479	20.00	ng/ul	0.00
18) Naphthalene-d8	11.04	136	177556	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.84	164	136992	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.58	188	333492	20.00	ng/ul	0.00
78) Chrysene-d12	21.87	240	405269	20.00	ng/ul	0.00
86) Perylene-d12	25.25	264	393909	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	1040	1.23	ng/uL	0.00
5) Phenol-d5	7.37	99	5128	1.38	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.52	67	3922	1.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.73	132	3887	1.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.92	113	4665	1.58	ng/ul	0.00
19) Nitrobenzene-d5	9.38	128	3109	2.38	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	2047	1.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.66	165	4863	1.45	ng/ul	0.01
29) 4-Chloroaniline-d4	11.19	131	6878	2.02	ng/ul	0.02
44) Dimethylphthalate-d6	14.24	166	15034	1.33	ng/ul	0.00
47) Acenaphthylene-d8	14.53	160	18315	1.46	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	1994	1.11	ng/ul	0.00
58) Fluorene-d10	15.82	176	20776	1.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.95	200	2644	1.22	ng/ul	0.01
71) Anthracene-d10	17.58	188	333492	21.94	ng/ul	-0.09
79) Pyrene-d10	19.95	212	22787	1.28	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.02	264	25382	1.28	ng/ul	0.00

Target Compounds

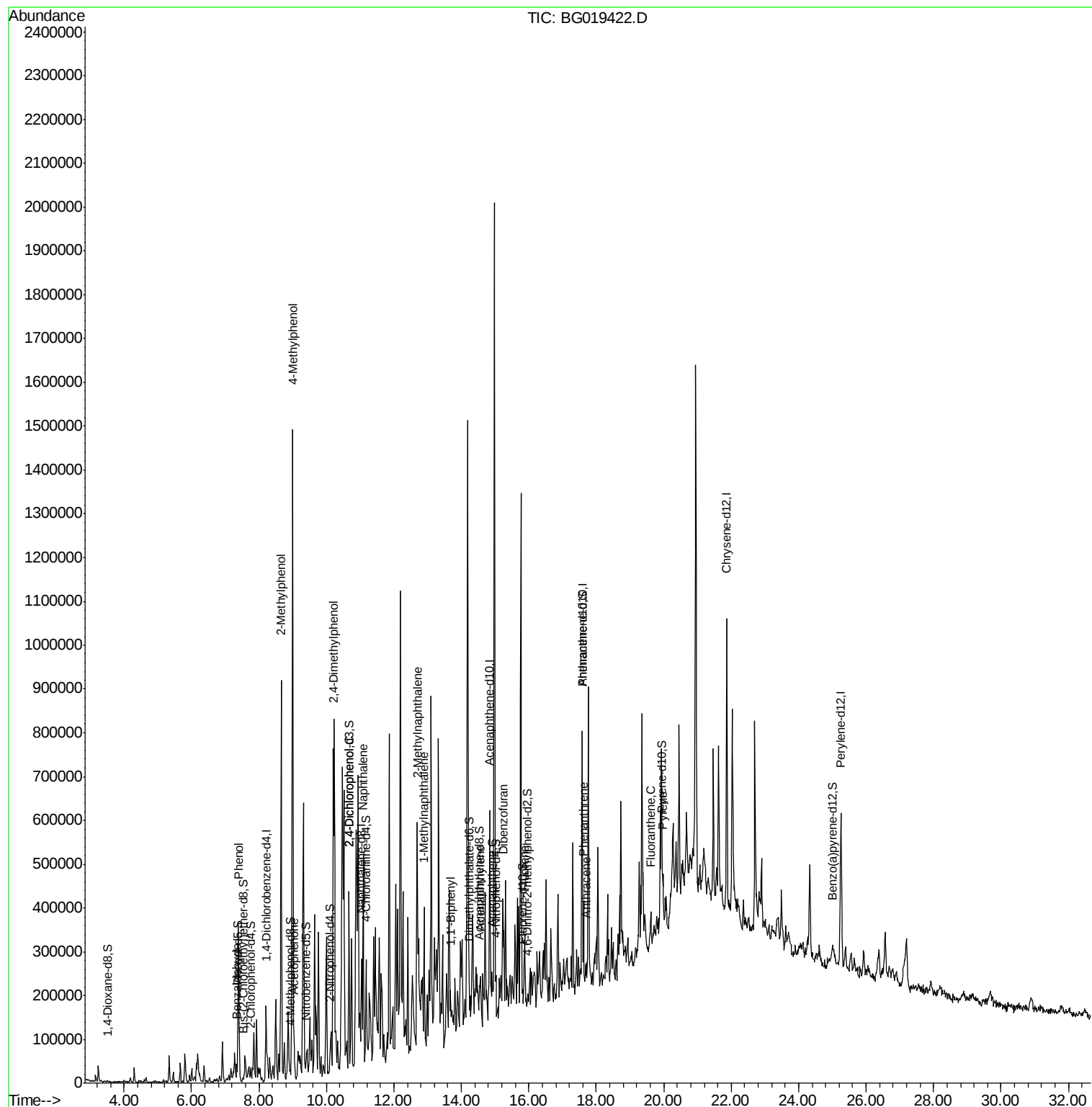
						Qvalue
4) Benzaldehyde	7.34	77	2890	1.20	ng/ul#	1
6) Phenol	7.39	94	192266	48.57	ng/ul	100
11) 2-Methylphenol	8.66	108	273839	93.54	ng/ul	99
14) Acetophenone	9.04	105	60829	12.24	ng/ul	89
16) 4-Methylphenol	9.00	108	545583	170.66	ng/ul	98
24) 2,4-Dimethylphenol	10.21	107	277479	60.38	ng/ul	94
27) 2,4-Dichlorophenol	10.68	162	10325	3.22	ng/ul#	32
28) Naphthalene	11.09	128	323889	36.46	ng/ul	97
34) 2-Methylnaphthalene	12.68	142	165344	23.16	ng/ul	96
35) 1-Methylnaphthalene	12.90	142	103904	15.38	ng/ul#	96
41) 1,1'-Biphenyl	13.67	154	54977	5.68	ng/ul#	87
48) Acenaphthylene	14.56	152	20450	1.60	ng/ul#	77
50) Acenaphthene	14.90	153	15750	1.82	ng/ul#	88
54) Dibenzofuran	15.23	168	79318	6.22	ng/ul	89
59) Fluorene	15.88	166	57555	5.18	ng/ul#	84
70) Phenanthrene	17.62	178	113302	6.73	ng/ul#	91
72) Anthracene	17.71	178	23731	1.38	ng/ul#	77
77) Fluoranthene	19.62	202	34245	1.57	ng/ul#	97
80) Pyrene	19.98	202	37346	1.64	ng/ul#	91

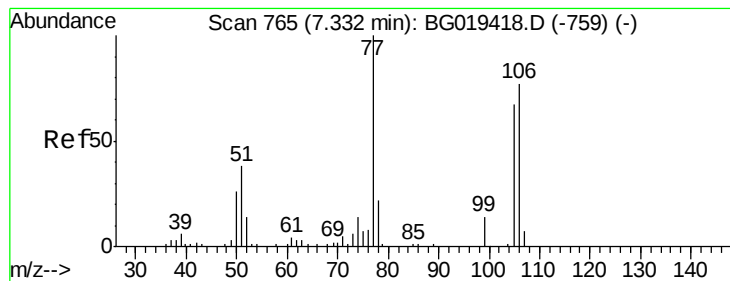
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.20 ng/ul

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Instrument :

BNA_G

ClientSampleId :

E5LK7DL

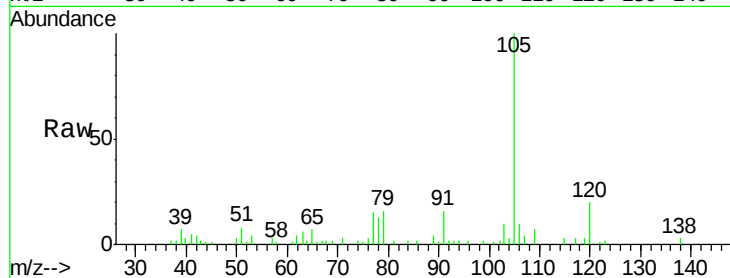
Tgt Ion: 77 Resp: 2890

Ion Ratio Lower Upper

77 100

105 677.3 61.6 92.4#

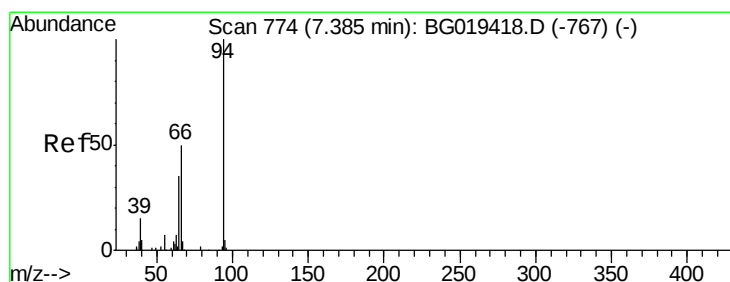
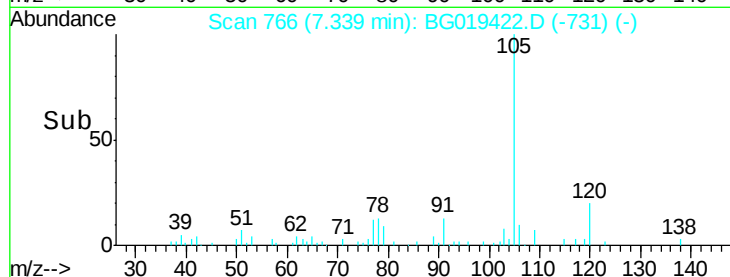
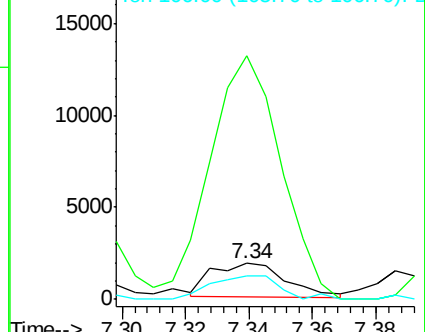
106 66.0 56.4 84.6



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 48.57 ng/ul

RT: 7.39 min Scan# 775

Delta R.T. 0.01 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

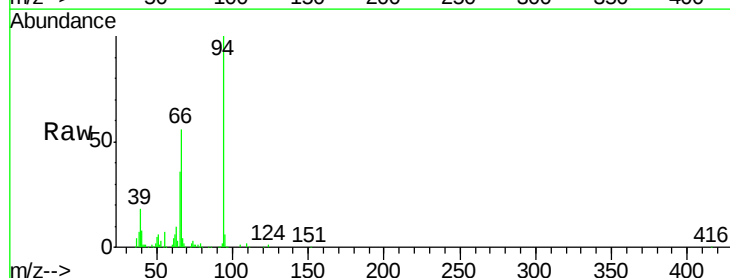
Tgt Ion: 94 Resp: 192266

Ion Ratio Lower Upper

94 100

65 36.5 29.3 43.9

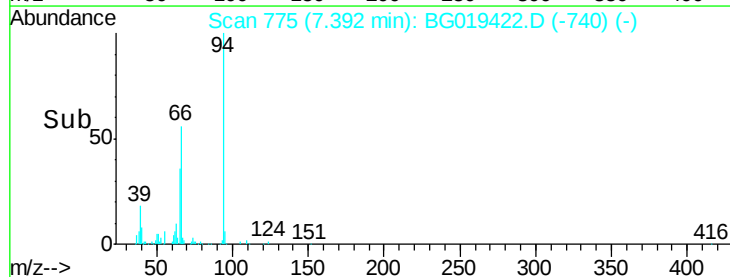
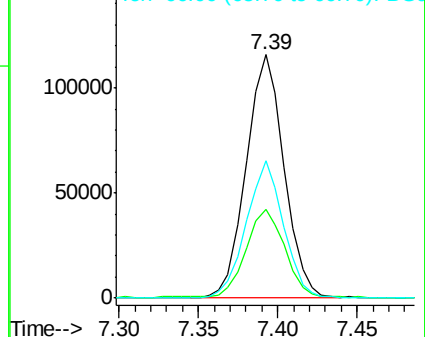
66 56.2 45.0 67.6

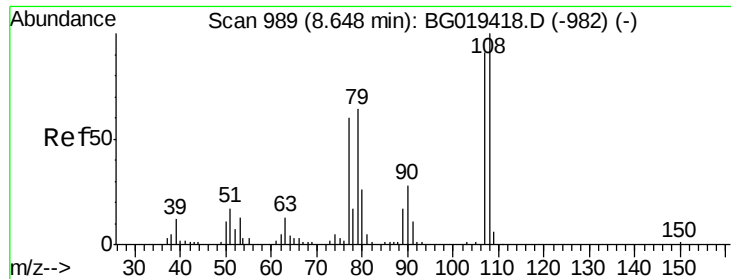


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

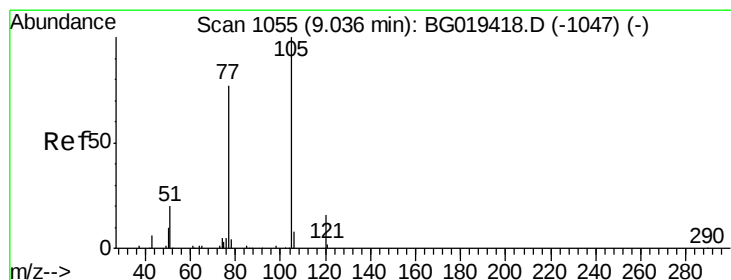
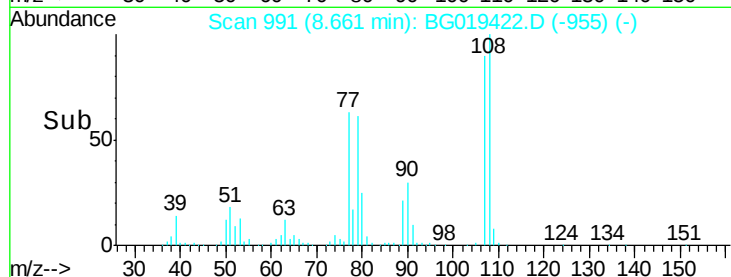
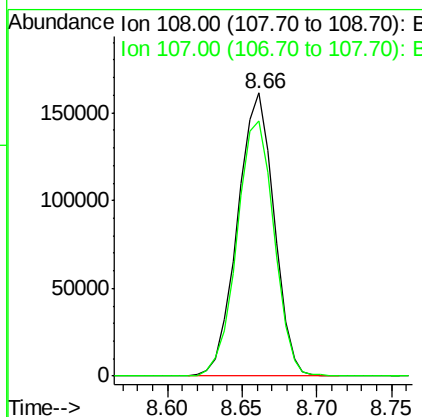
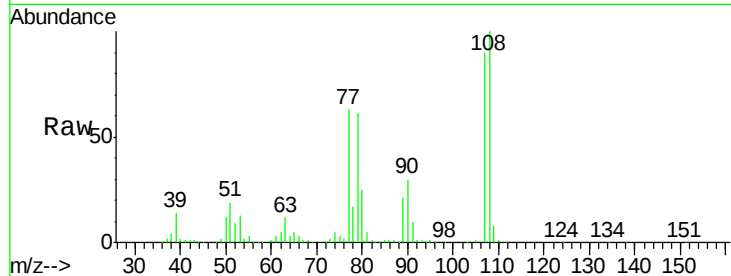




#11
2-Methylphenol
Concen: 93.54 ng/ul
RT: 8.66 min Scan# 991
Delta R.T. 0.01 min
Lab File: BG019422.D
Acq: 29 Oct 2015 18:06

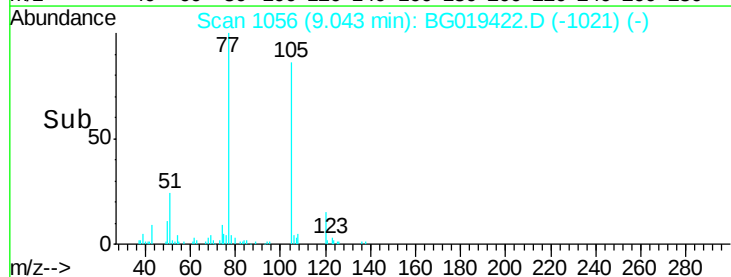
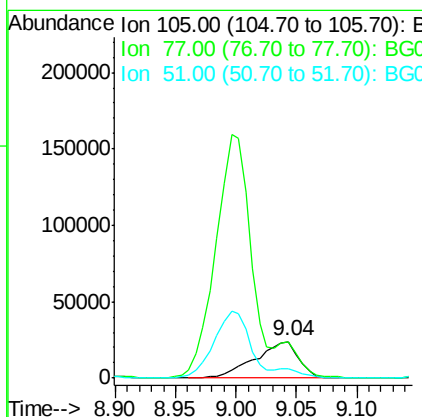
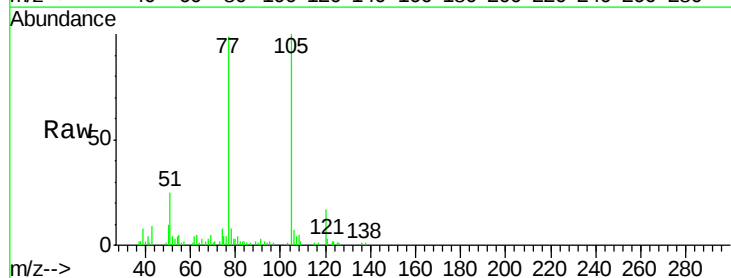
Instrument :
BNA_G
ClientSampleId :
E5LK7DL

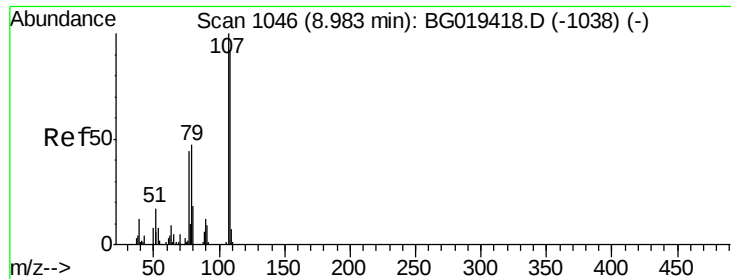
Tgt Ion:108 Resp: 273839
Ion Ratio Lower Upper
108 100
107 90.2 71.2 106.8



#14
Acetophenone
Concen: 12.24 ng/ul
RT: 9.04 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BG019422.D
Acq: 29 Oct 2015 18:06

Tgt Ion:105 Resp: 60829
Ion Ratio Lower Upper
105 100
77 98.9 69.5 104.3
51 25.0 21.8 32.6

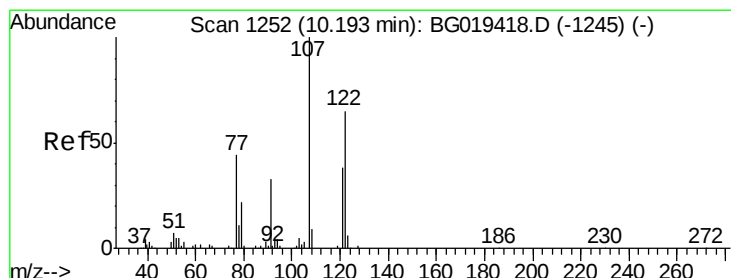
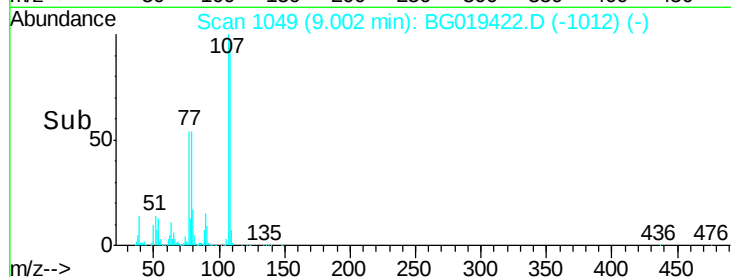
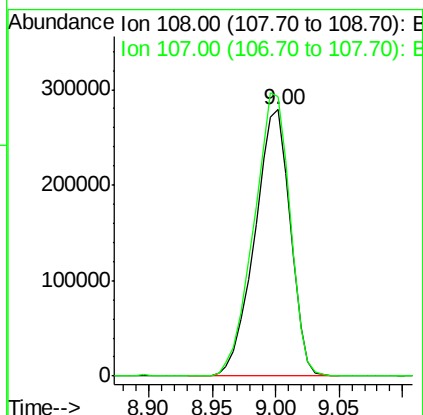
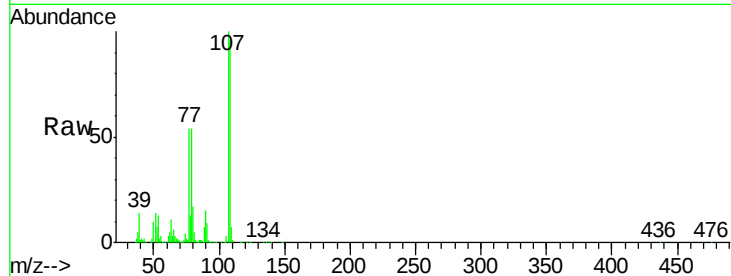




#16
4-Methylphenol
Concen: 170.66 ng/ul
RT: 9.00 min Scan# 1049
Delta R.T. 0.02 min
Lab File: BG019422.D
Acq: 29 Oct 2015 18:06

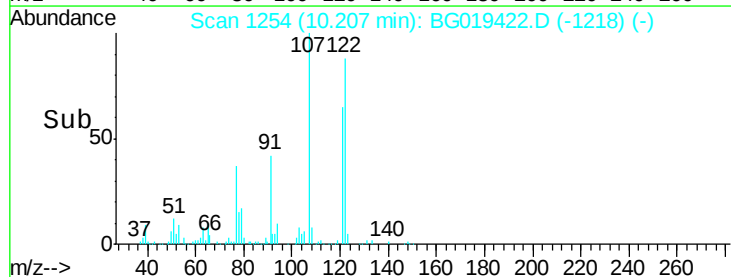
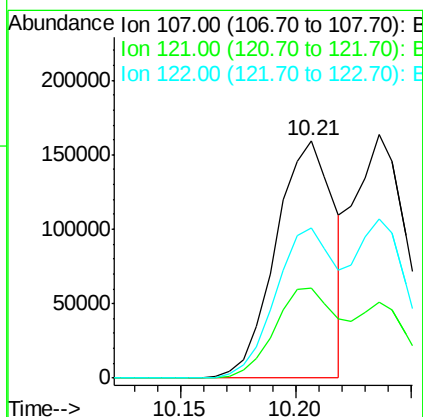
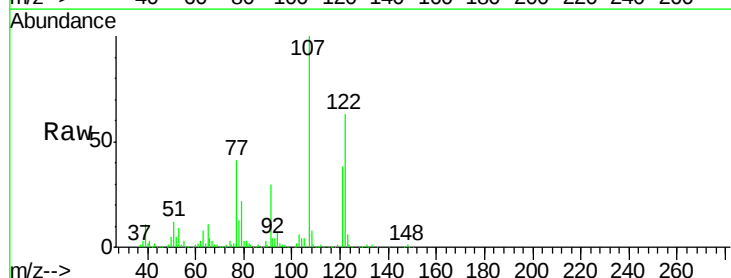
Instrument :
BNA_G
ClientSampleId :
E5LK7DL

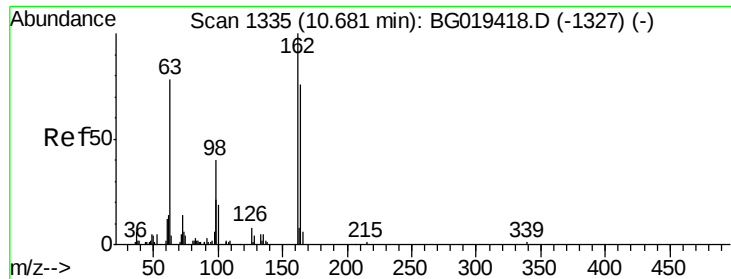
Tgt Ion:108 Resp: 545583
Ion Ratio Lower Upper
108 100
107 104.7 85.4 128.2



#24
2,4-Dimethylphenol
Concen: 60.38 ng/ul
RT: 10.21 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BG019422.D
Acq: 29 Oct 2015 18:06

Tgt Ion:107 Resp: 277479
Ion Ratio Lower Upper
107 100
121 37.7 33.0 49.4
122 63.1 54.2 81.2

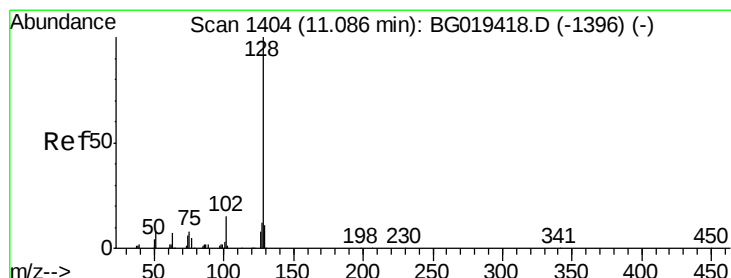
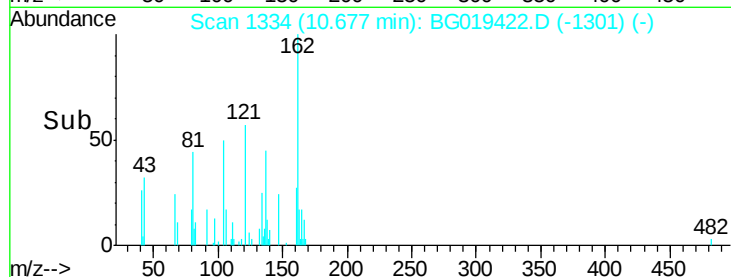
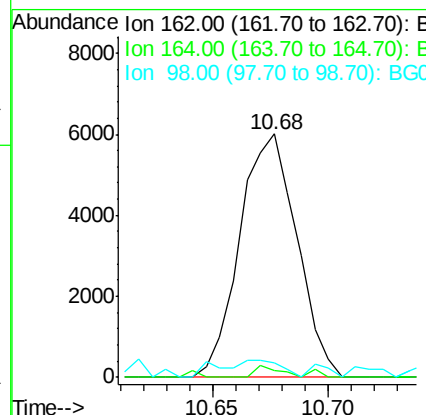
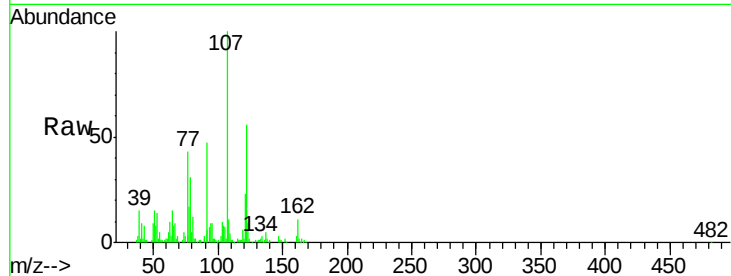




#27
 2,4-Dichlorophenol
 Concen: 3.22 ng/ul
 RT: 10.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BG019422.D
 Acq: 29 Oct 2015 18:06

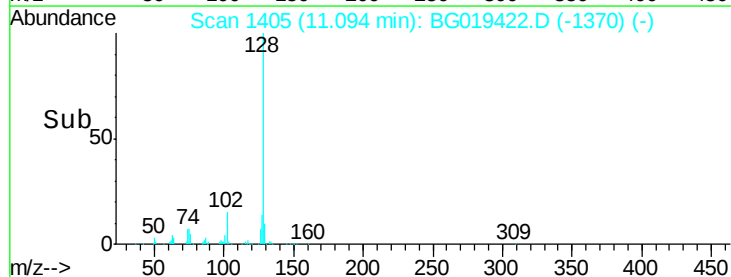
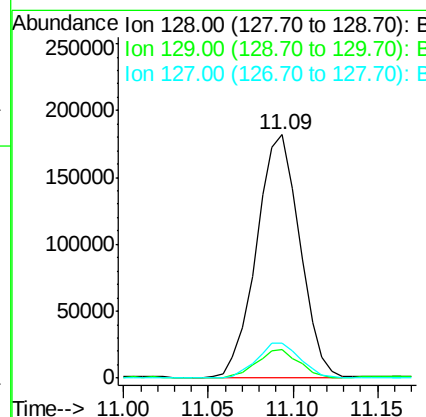
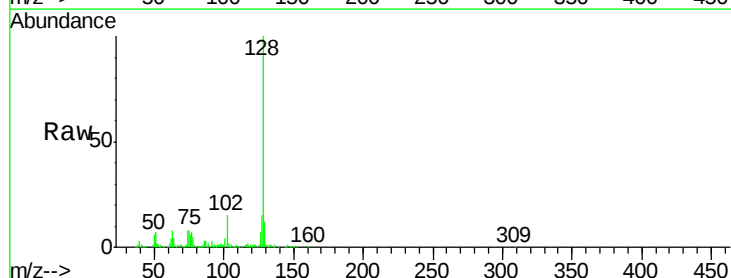
Instrument :
 BNA_G
 ClientSampleId :
 E5LK7DL

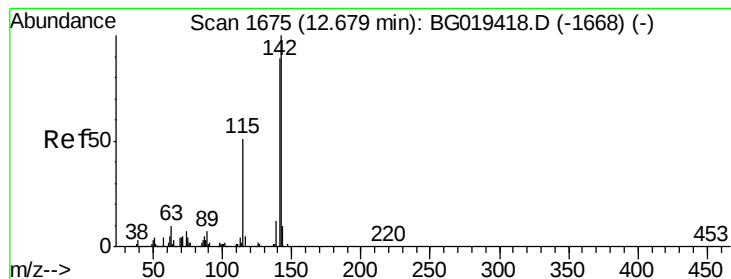
Tgt Ion	Ratio	Lower	Upper
162	100		
164	3.1	52.1	78.1#
98	6.0	26.9	40.3#



#28
 Naphthalene
 Concen: 36.46 ng/ul
 RT: 11.09 min Scan# 1405
 Delta R.T. 0.01 min
 Lab File: BG019422.D
 Acq: 29 Oct 2015 18:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	14.5	13.1	19.7





#34

2-Methylnaphthalene

Concen: 23.16 ng/ul

RT: 12.68 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Instrument :

BNA_G

ClientSampleId :

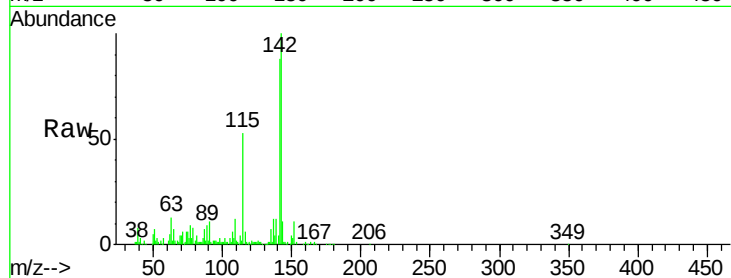
E5LK7DL

Tgt Ion:142 Resp: 165344

Ion Ratio Lower Upper

142 100

141 88.2 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

120000

100000

80000

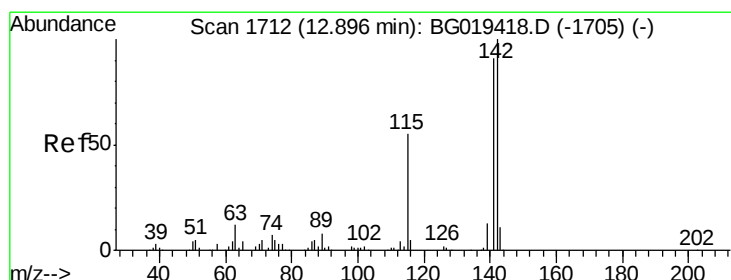
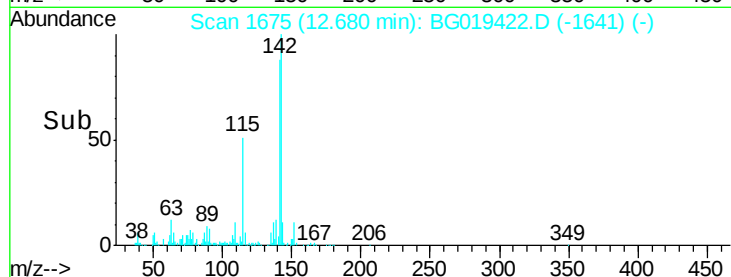
60000

40000

20000

0

Time-->



#35

1-Methylnaphthalene

Concen: 15.38 ng/ul

RT: 12.90 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

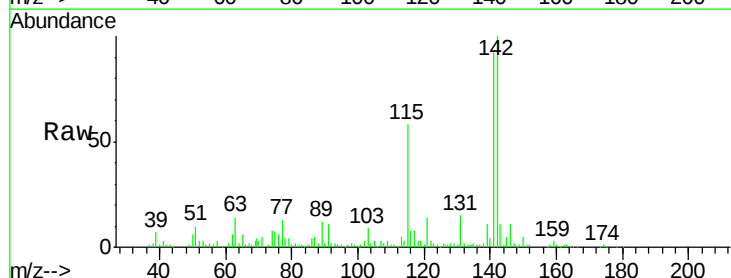
Tgt Ion:142 Resp: 103904

Ion Ratio Lower Upper

142 100

141 92.2 76.5 114.7

116 8.3 5.4 8.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

80000

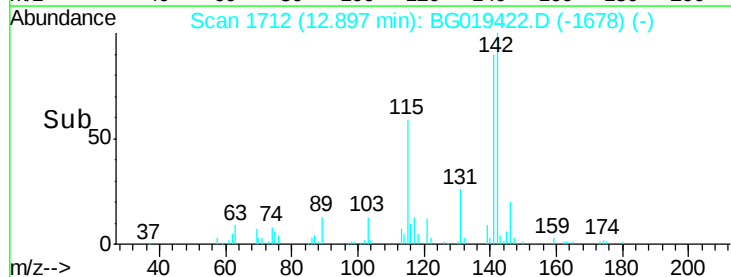
60000

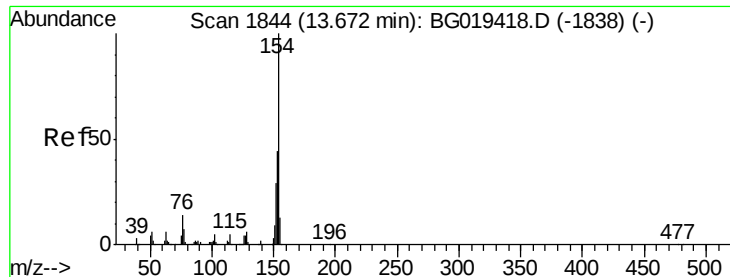
40000

20000

0

Time-->





#41

1,1'-Biphenyl

Concen: 5.68 ng/ul

RT: 13.67 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

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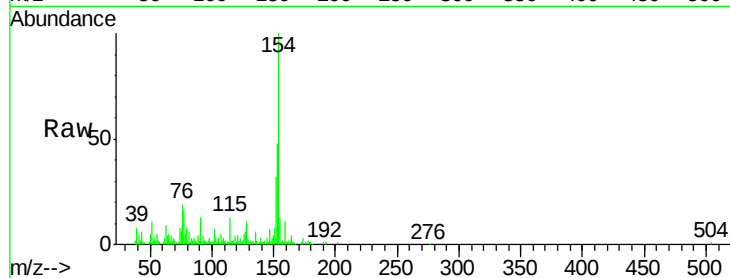
Tgt Ion:154 Resp: 54977

Ion Ratio Lower Upper

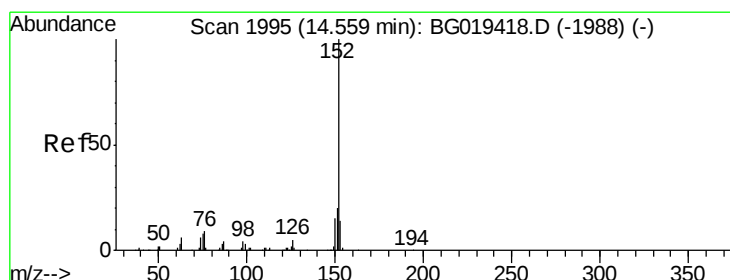
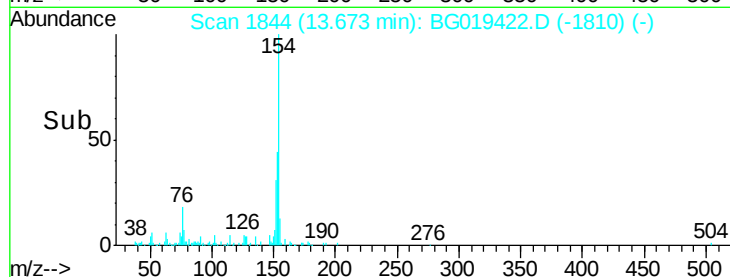
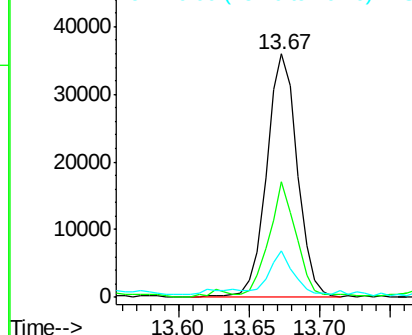
154 100

153 47.6 32.8 49.2

76 18.9 7.7 11.5#



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



#48

Acenaphthylene

Concen: 1.60 ng/ul

RT: 14.56 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

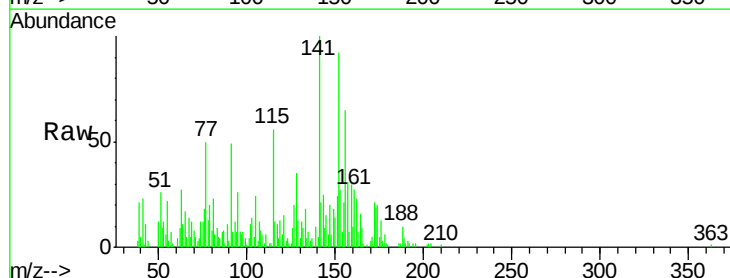
Tgt Ion:152 Resp: 20450

Ion Ratio Lower Upper

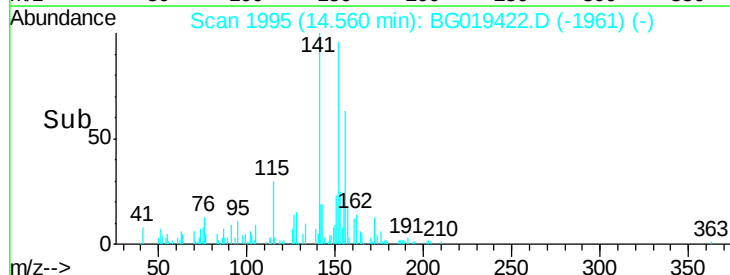
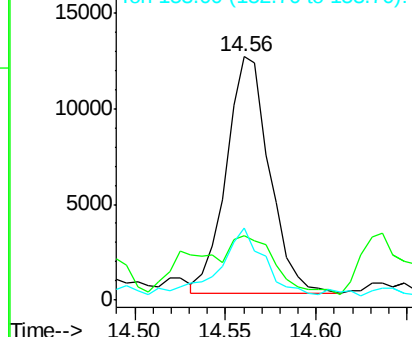
152 100

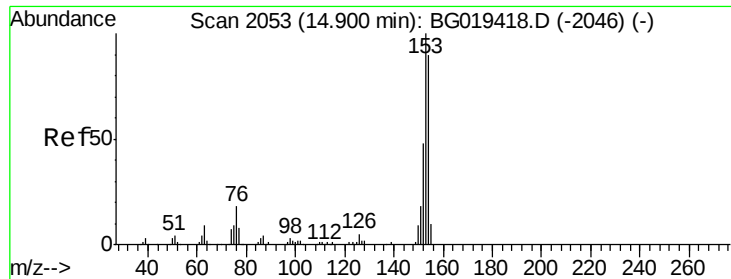
151 26.4 16.9 25.3#

153 29.8 10.8 16.2#



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





#50

Acenaphthene

Concen: 1.82 ng/ul

RT: 14.90 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Instrument :

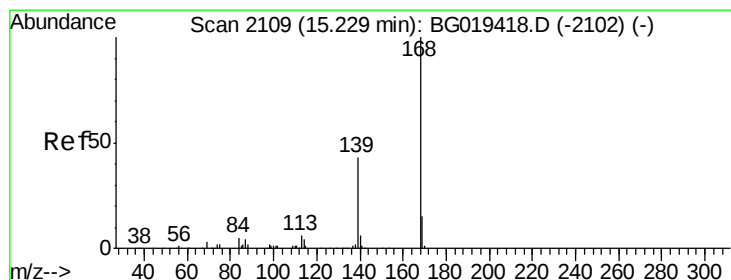
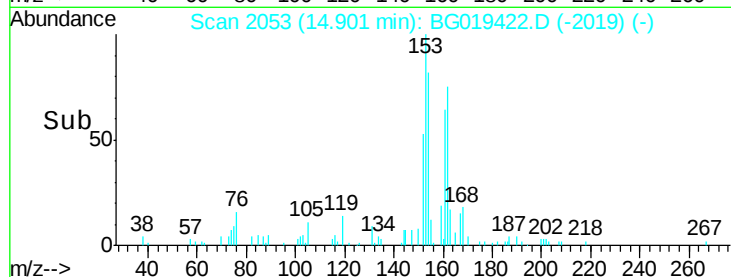
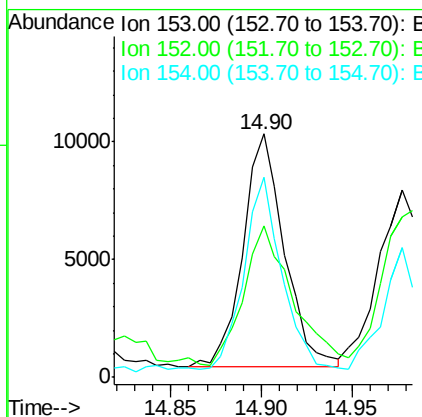
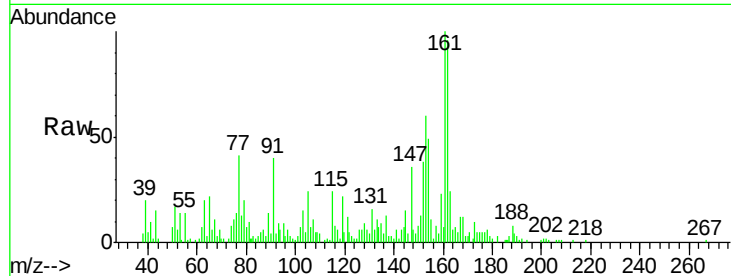
BNA_G

ClientSampleId :

E5LK7DL

Tgt Ion:153 Resp: 15750

Ion	Ratio	Lower	Upper
153	100		
152	62.5	38.8	58.2#
154	82.1	71.5	107.3



#54

Dibenzofuran

Concen: 6.22 ng/ul

RT: 15.23 min Scan# 2109

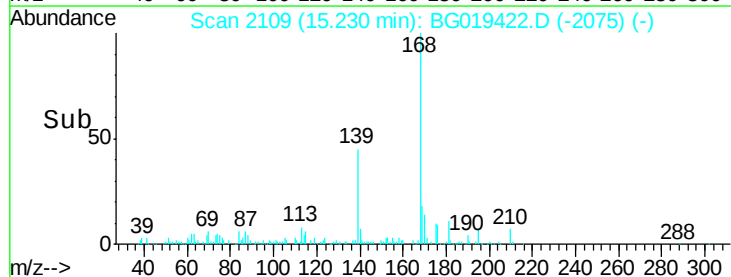
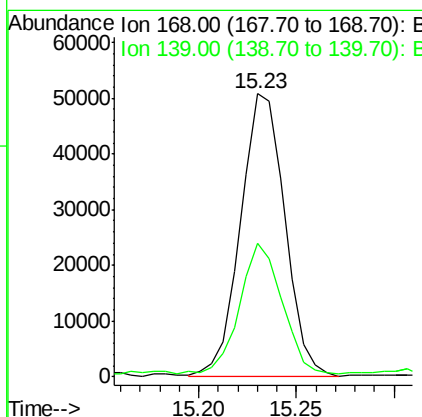
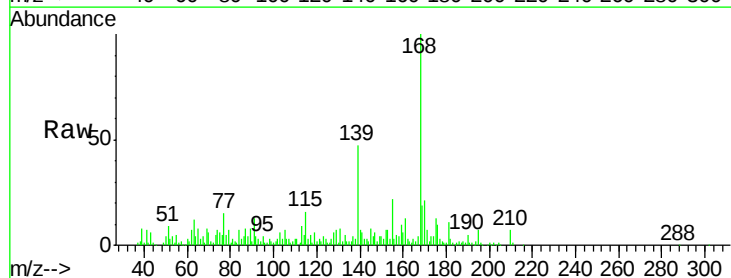
Delta R.T. 0.00 min

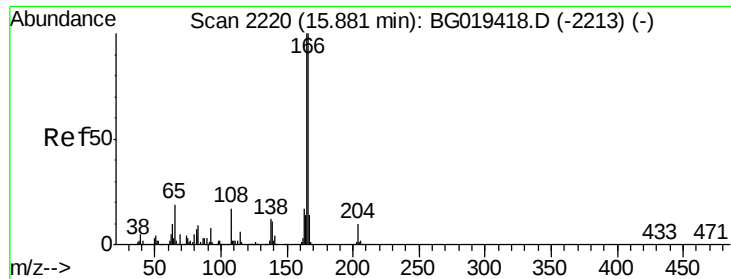
Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Tgt Ion:168 Resp: 79318

Ion	Ratio	Lower	Upper
168	100		
139	47.0	32.4	48.6





#59

Fluorene

Concen: 5.18 ng/ul

RT: 15.88 min Scan# 2220

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Instrument :

BNA_G

ClientSampled :

E5LK7DL

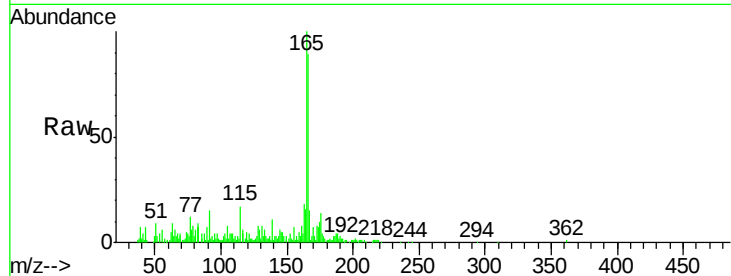
Tgt Ion:166 Resp: 57555

Ion Ratio Lower Upper

166 100

165 112.7 77.6 116.4

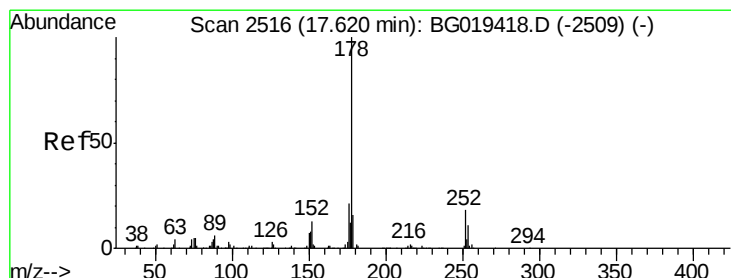
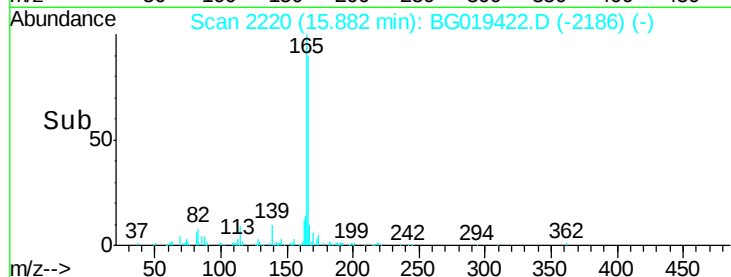
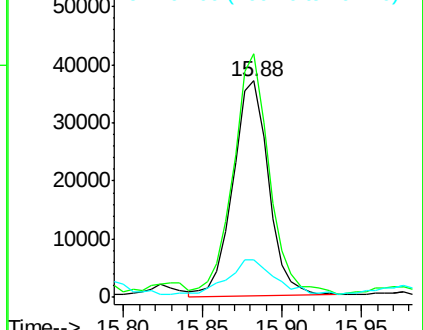
167 17.4 9.6 14.4#



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



#70

Phenanthrene

Concen: 6.73 ng/ul

RT: 17.62 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

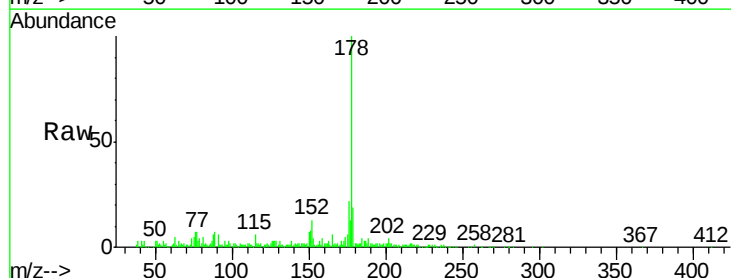
Tgt Ion:178 Resp: 113302

Ion Ratio Lower Upper

178 100

179 18.9 12.6 18.8#

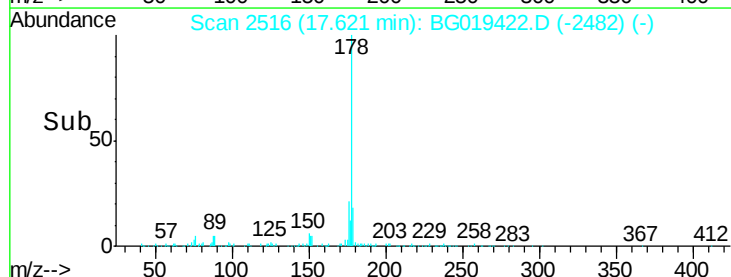
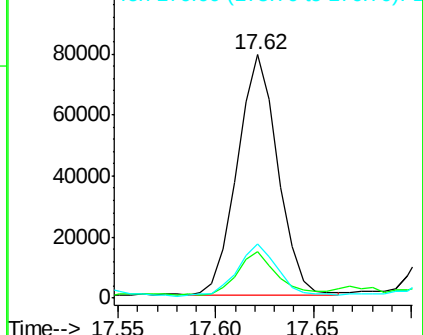
176 22.3 14.3 21.5#

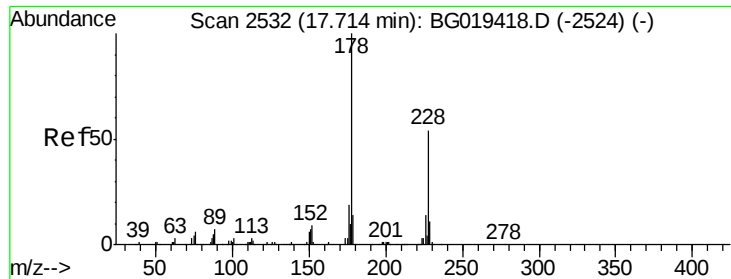


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.38 ng/ul

RT: 17.71 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Instrument :

BNA_G

ClientSampleId :

E5LK7DL

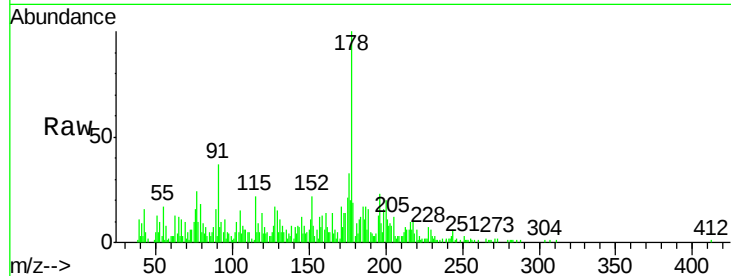
Tgt Ion:178 Resp: 23731

Ion Ratio Lower Upper

178 100

179 18.7 11.6 17.4#

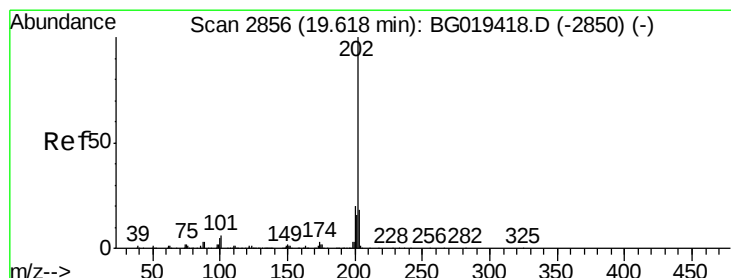
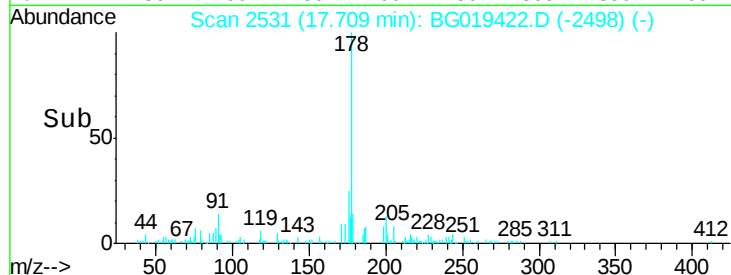
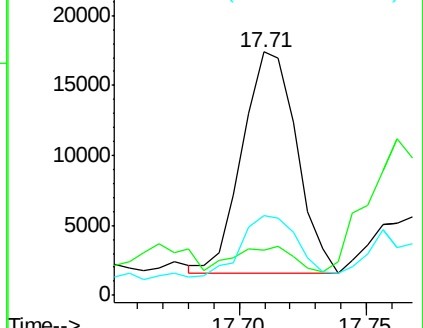
176 32.9 14.2 21.4#



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: 1.57 ng/ul

RT: 19.62 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

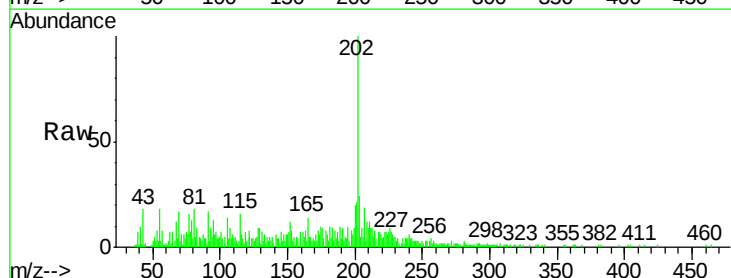
Tgt Ion:202 Resp: 34245

Ion Ratio Lower Upper

202 100

101 6.9 4.0 6.0#

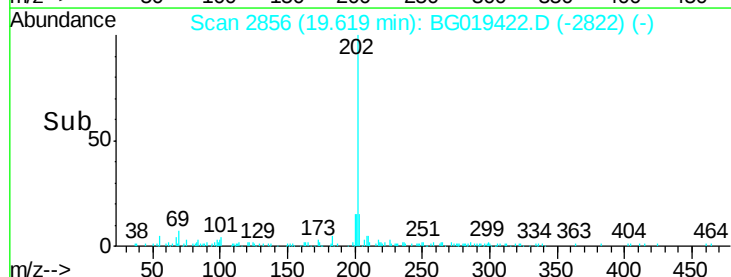
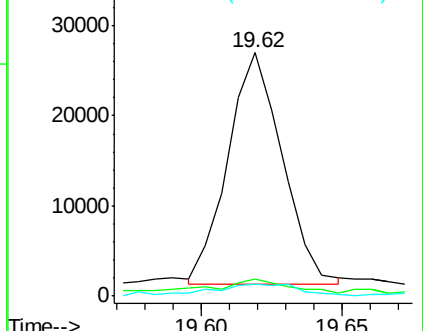
100 4.8 3.6 5.4

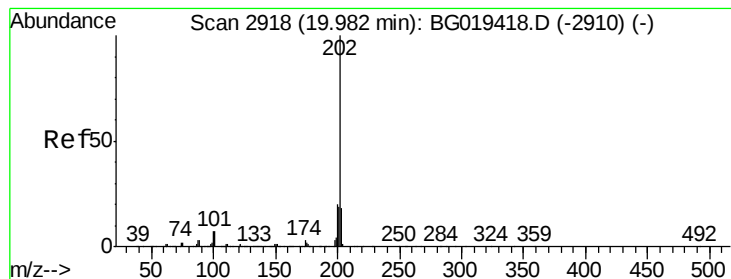


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 1.64 ng/ul

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG019422.D

Acq: 29 Oct 2015 18:06

Instrument :

BNA_G

ClientSampleId :

E5LK7DL

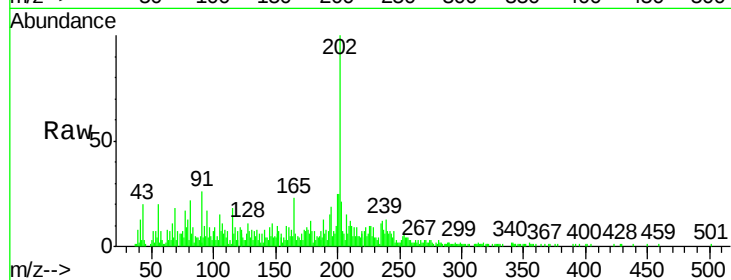
Tgt Ion: 202 Resp: 37346

Ion Ratio Lower Upper

202 100

101 8.8 4.3 6.5#

100 7.3 3.6 5.4#



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

