

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
 Data File : BG019237.D
 Acq On : 16 Oct 2015 23:52
 Operator : UM/NP
 Sample : G3996-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK5

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 6:29:36 PM

Quant Time: Oct 19 16:09:49 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 19 00:27:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	23540	20.00	ng/ul	0.01
18) Naphthalene-d8	10.83	136	103006m	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.65	164	68274m	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.40	188	139824m	20.00	ng/ul	0.01
78) Chrysene-d12	21.66	240	163271m	20.00	ng/ul	0.01
86) Perylene-d12	24.89	264	157168m	20.00	ng/ul	0.04

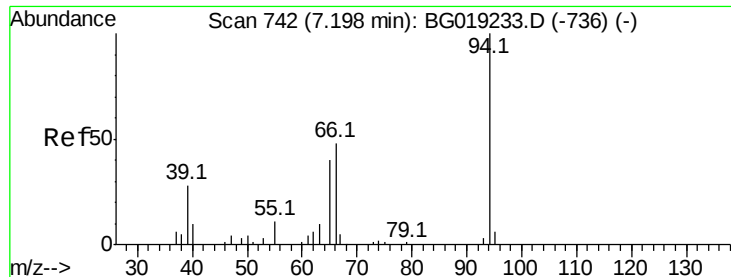
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	7081	16.75	ng/uL	0.00
5) Phenol-d5	7.20	99	39859	19.40	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.34	67	23884	18.07	ng/ul	0.01
9) 2-Chlorophenol-d4	7.56	132	30435	20.33	ng/ul	0.02
13) 4-Methylphenol-d8	8.76	113	33941	19.50	ng/ul	0.04
19) Nitrobenzene-d5	9.19	128	18238m	22.98	ng/ul	0.02
22) 2-Nitrophenol-d4	9.91	143	18291m	21.72	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.47	165	33946m	20.35	ng/ul	0.03
29) 4-Chloroaniline-d4	10.98	131	115116m	53.58	ng/ul	0.04
44) Dimethylphthalate-d6	14.07	166	107899m	18.07	ng/ul	0.02
47) Acenaphthylene-d8	14.35	160	126562m	19.61	ng/ul	0.02
52) 4-Nitrophenol-d4	14.91	143	21834m	20.34	ng/ul	0.07
58) Fluorene-d10	15.64	176	107858m	21.13	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.77	200	17402m	20.17	ng/ul	0.02
71) Anthracene-d10	17.49	188	134808m	20.41	ng/ul	0.01
79) Pyrene-d10	19.78	212	140741m	19.00	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.67	264	161818m	20.38	ng/ul	0.04

Target Compounds

						Ovalue
6) Phenol	7.23	94	332858	155.59	ng/ul#	78
11) 2-Methylphenol	8.49	108	612571	364.80	ng/ul	98
16) 4-Methylphenol	8.86	108	1579224	838.25	ng/ul	94
24) 2,4-Dimethylphenol	10.07	107	1051444m	484.94	ng/ul	
28) Naphthalene	10.88	128	230501m	42.81	ng/ul	
34) 2-Methylnaphthalene	12.48	142	198815m	46.58	ng/ul	
35) 1-Methylnaphthalene	12.70	142	127722m	30.56	ng/ul	
41) 1,1'-Biphenyl	13.49	154	32851m	6.16	ng/ul	
45) Dimethylphthalate	14.11	163	33267m	5.53	ng/ul	
54) Dibenzofuran	15.05	168	40245m	5.97	ng/ul	
59) Fluorene	15.70	166	44204m	7.67	ng/ul	
70) Phenanthrene	17.44	178	40140m	5.14	ng/ul	
72) Anthracene	17.53	178	10116m	1.28	ng/ul	
77) Fluoranthene	19.45	202	13413m	1.37	ng/ul	
80) Pyrene	19.81	202	16497m	1.70	ng/ul	

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



#6

Phenol

Concen: 155.59 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. 0.04 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

Instrument :

BNA_G

ClientSampleId :

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Tot Ion: 94 Resp: 332858

Ion Ratio Lower Upper

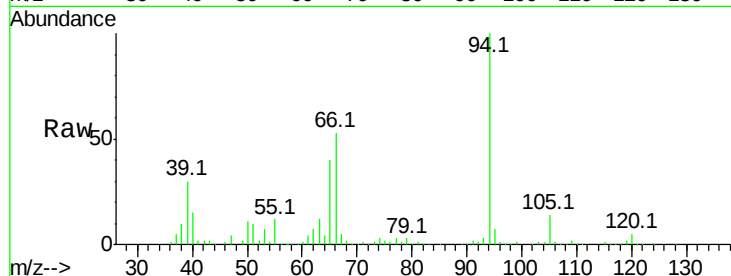
94 100

65 39.6 24.9 37.3#

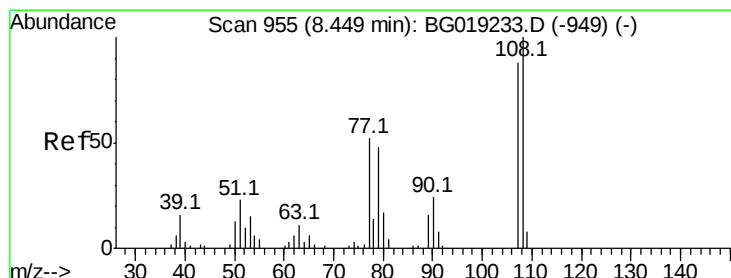
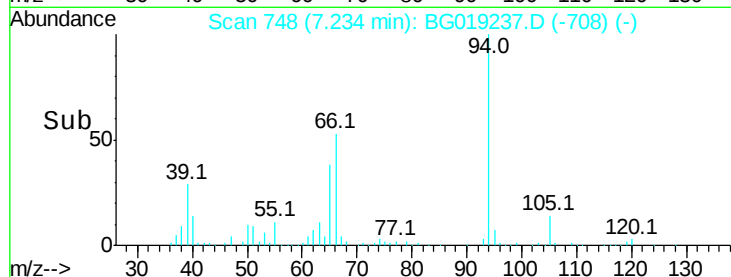
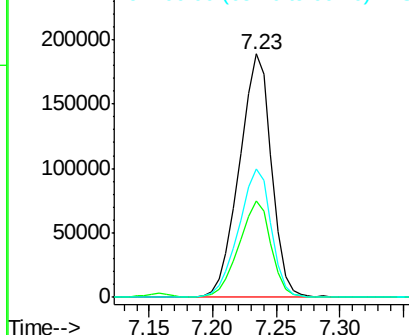
66 52.8 29.1 43.7#

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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: 364.80 ng/ul

RT: 8.49 min Scan# 962

Delta R.T. 0.04 min

Lab File: BG019237.D

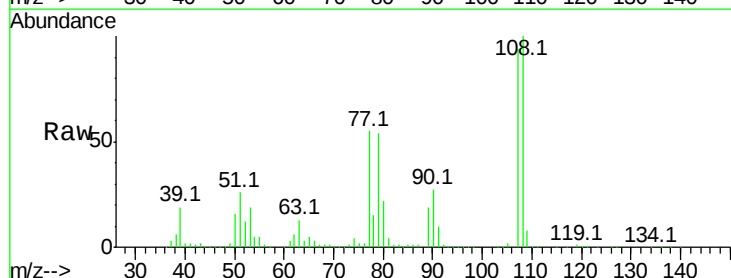
Acq: 16 Oct 2015 23:52

Tgt Ion:108 Resp: 612571

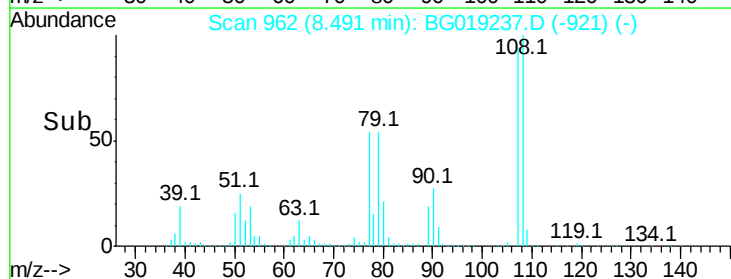
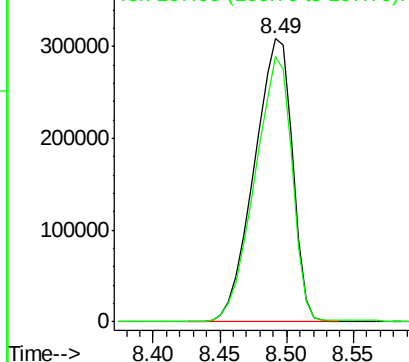
Ion Ratio Lower Upper

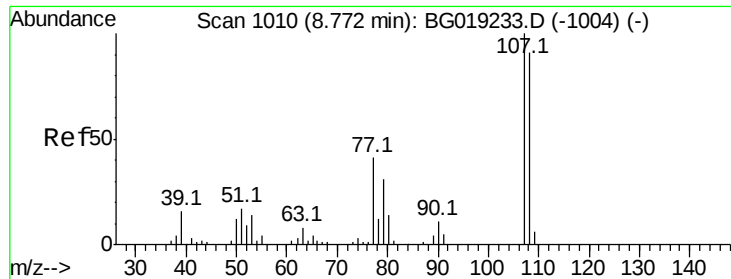
108 100

107 93.8 76.7 115.1



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





#16

4-Methylphenol

Concen: 838.25 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.09 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

Instrument :

BNA_G

ClientSampleId :

E5LK5

Tot Ion:108 Resp: 1579224

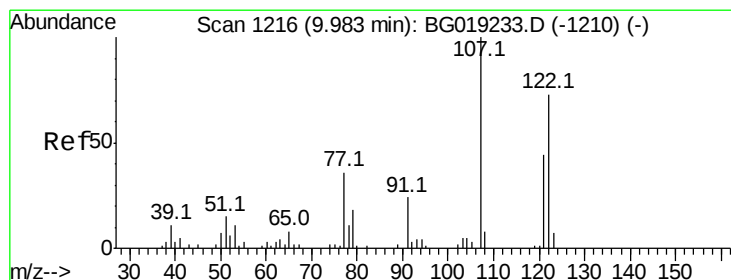
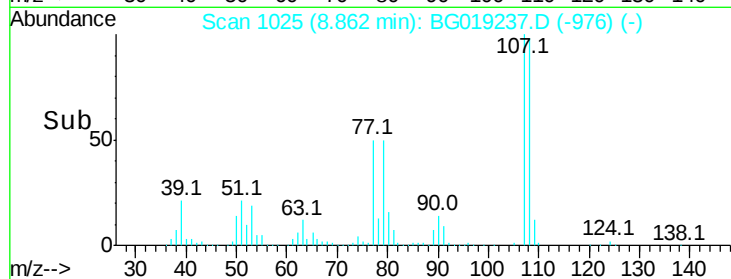
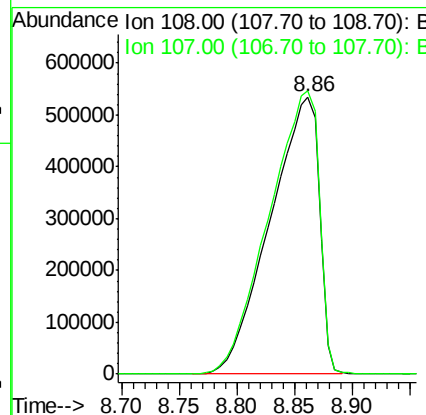
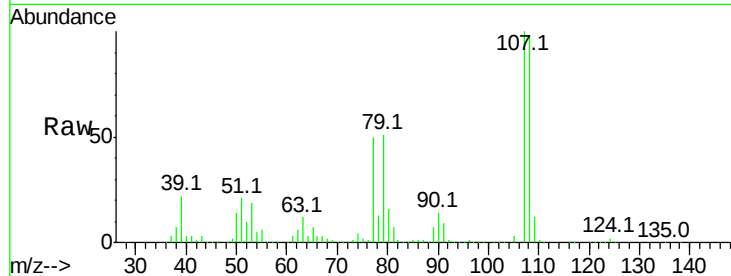
Ion Ratio Lower Upper

108 100

107 102.1 86.6 130.0

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#24

2,4-Dimethylphenol

Concen: 484.94 ng/ul m

RT: 10.07 min Scan# 1230

Delta R.T. 0.08 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

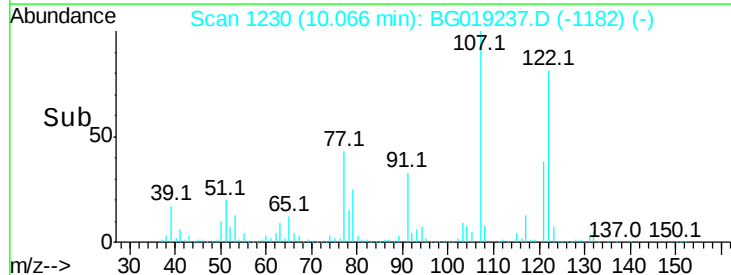
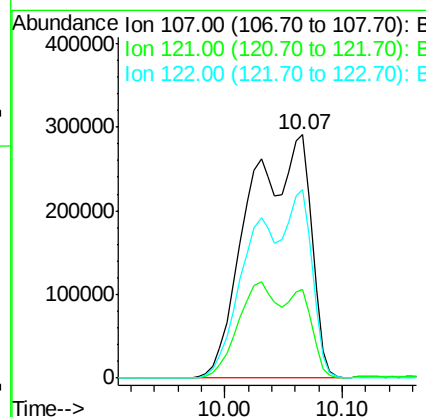
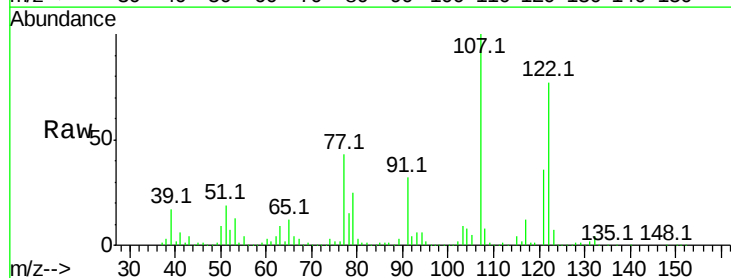
Tgt Ion:107 Resp: 1051444

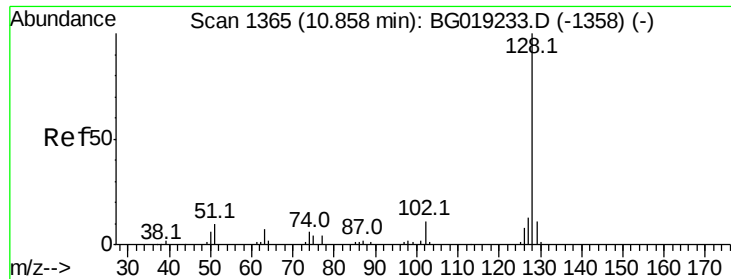
Ion Ratio Lower Upper

107 100

121 36.2 37.2 55.8#

122 77.4 67.6 101.4





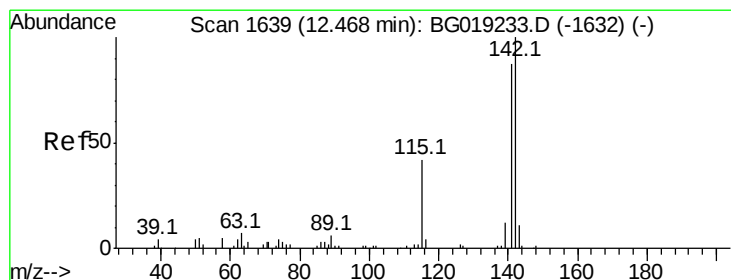
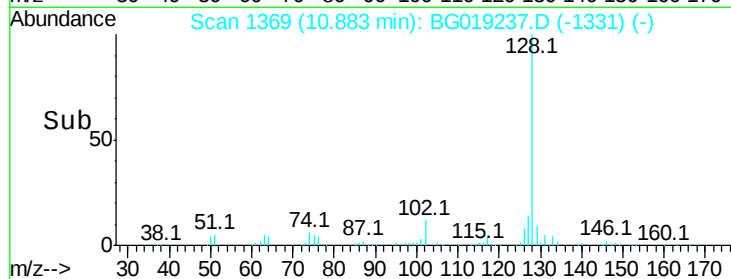
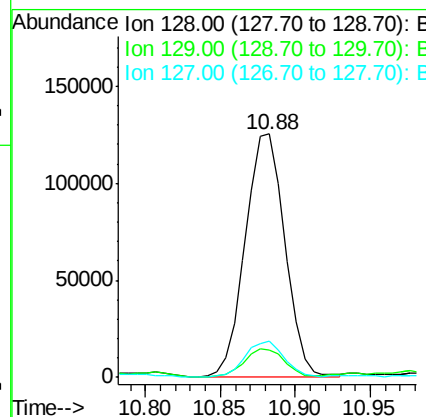
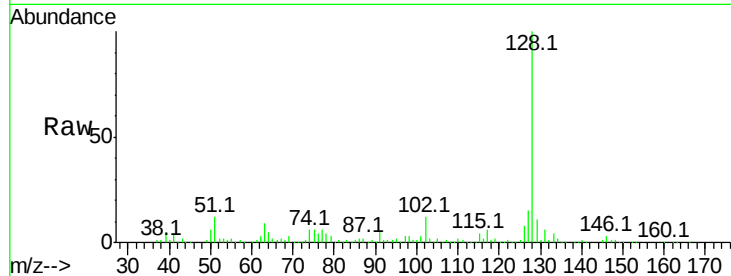
#28
Naphthalene
Concen: 42.81 ng/ul m
RT: 10.88 min Scan# 1369
Delta R.T. 0.02 min
Lab File: BG019237.D
Acq: 16 Oct 2015 23:52

Instrument :
BNA_G
ClientSampleId :
E5LK5

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.6	14.4
127	14.7	11.3	16.9

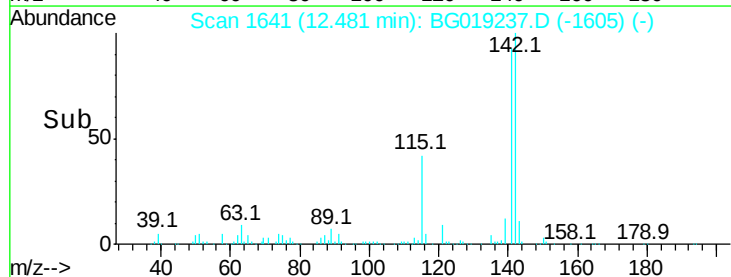
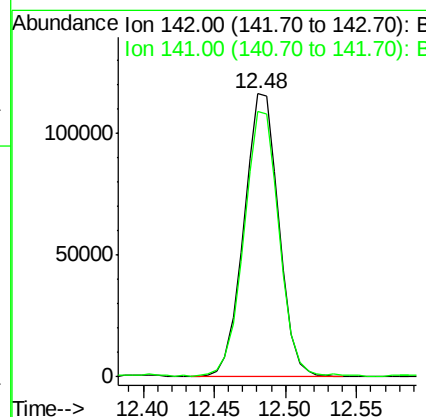
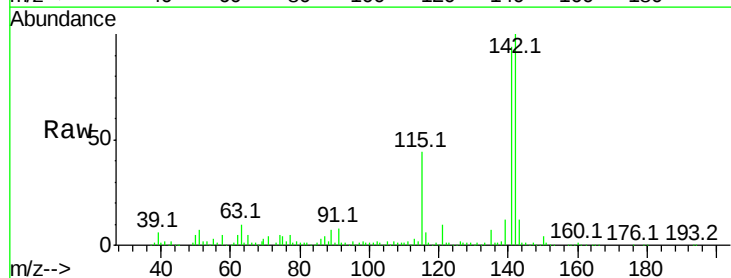
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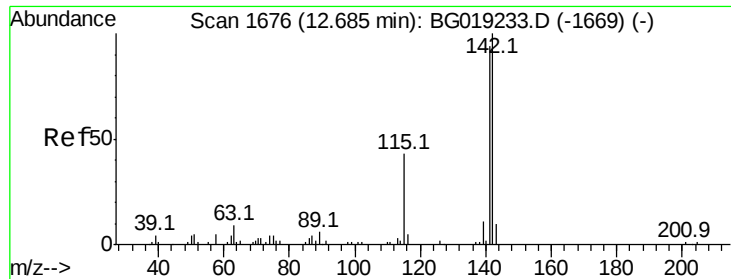
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#34
2-Methylnaphthalene
Concen: 46.58 ng/ul m
RT: 12.48 min Scan# 1641
Delta R.T. 0.01 min
Lab File: BG019237.D
Acq: 16 Oct 2015 23:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	73.4	110.0





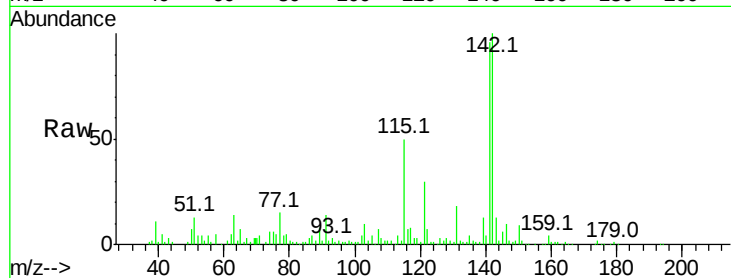
#35
1-Methylnaphthalene
Concen: 30.56 ng/ul m
RT: 12.70 min Scan# 1679
Delta R.T. 0.02 min
Lab File: BG019237.D
Acq: 16 Oct 2015 23:52

Instrument :
BNA_G
ClientSampled :
E5LK5

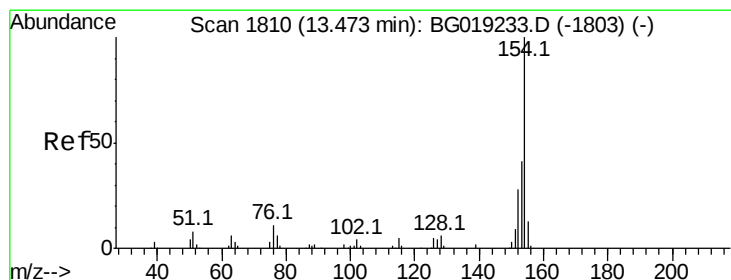
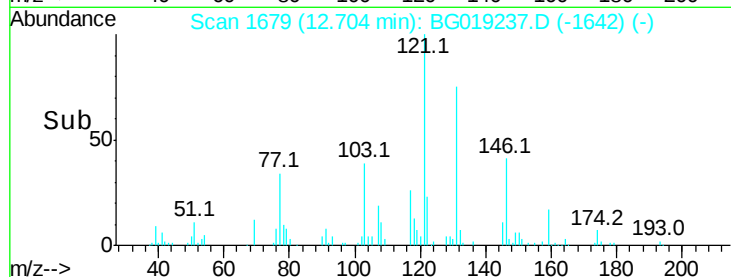
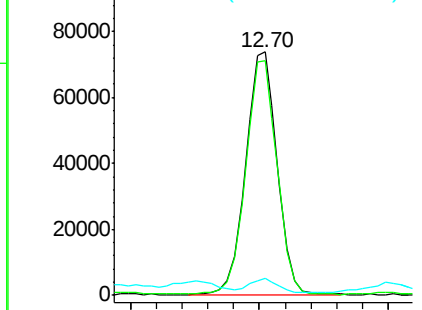
Tot Ion	Ratio	Resp	Lower	Upper
142	100	127722		
141	96.4	74.8	112.2	
116	7.0	3.2	4.8#	

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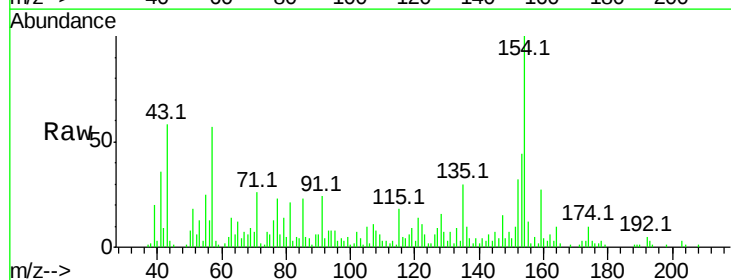


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

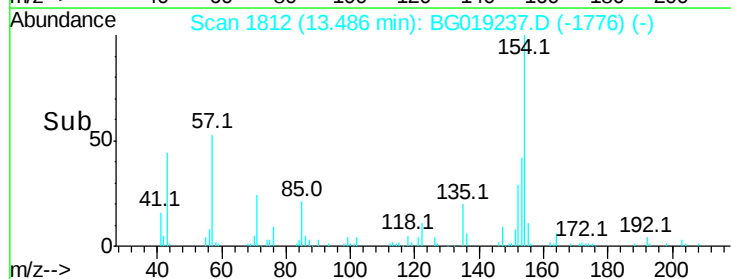
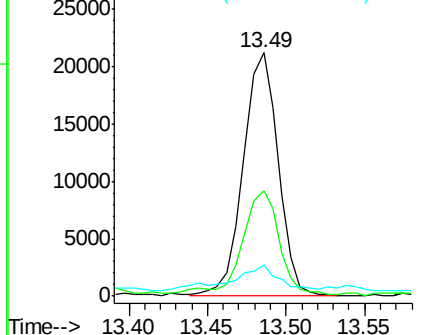


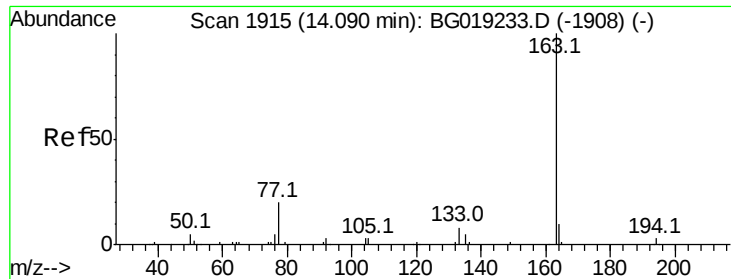
#41
1,1'-Biphenyl
Concen: 6.16 ng/ul m
RT: 13.49 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BG019237.D
Acq: 16 Oct 2015 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32851		
153	43.5	31.4	47.0	
76	12.6	10.8	16.2	



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





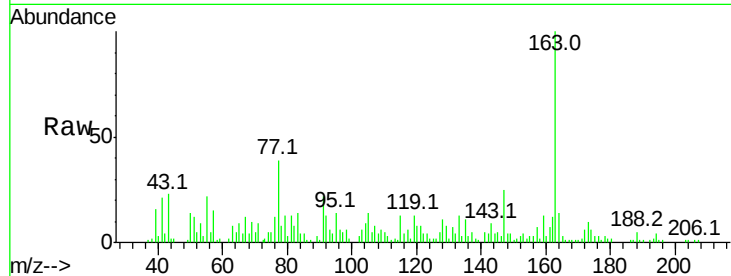
#45
Dimethylphthalate
Concen: 5.53 ng/ul m
RT: 14.11 min Scan# 1919
Delta R.T. 0.02 min
Lab File: BG019237.D
Acq: 16 Oct 2015 23:52

Instrument :
BNA_G
ClientSampleId :
E5LK5

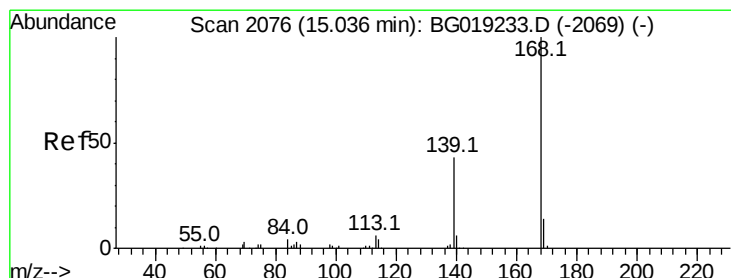
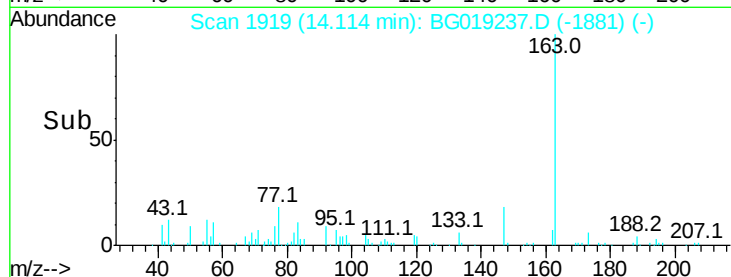
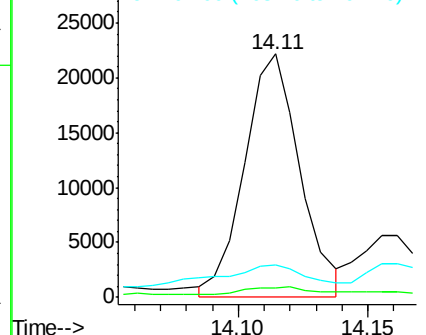
Tot Ion	Ratio	Resp	Lower	Upper
163	100	33267		
194	3.8		3.3	4.9
164	13.6		8.1	12.1#

Manual Integrations
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10/19/2015 6:29:36 PM

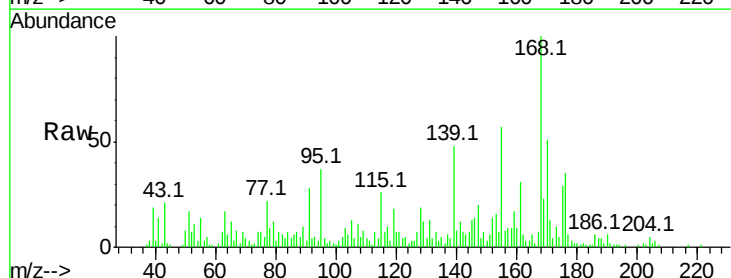


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

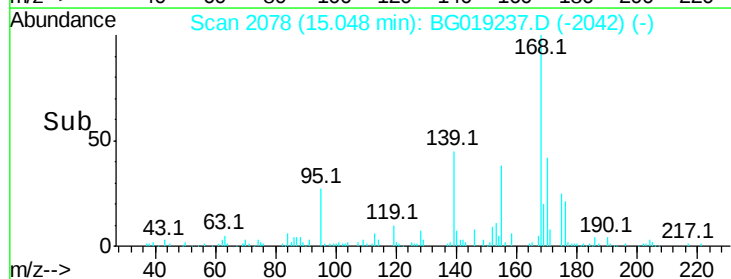
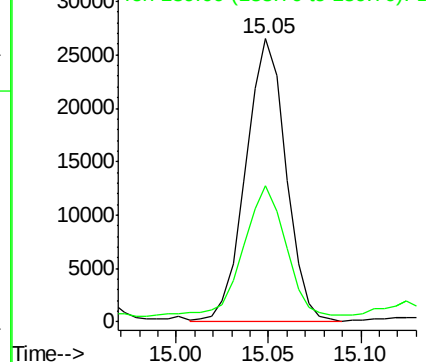


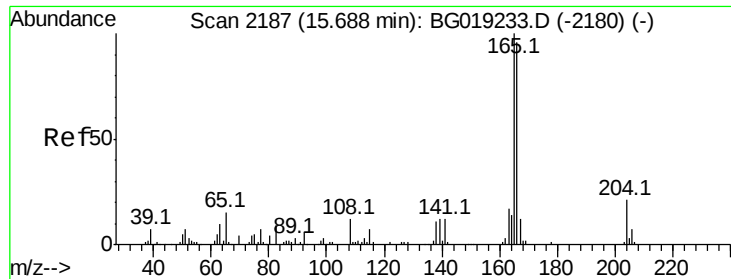
#54
Dibenzofuran
Concen: 5.97 ng/ul m
RT: 15.05 min Scan# 2078
Delta R.T. 0.01 min
Lab File: BG019237.D
Acq: 16 Oct 2015 23:52

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	40245		
139	47.9		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: 7.67 ng/ul m

RT: 15.70 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

Instrument :

BNA_G

ClientSampleId :

E5LK5

Tot Ion:166 Resp: 44204

Ion Ratio Lower Upper

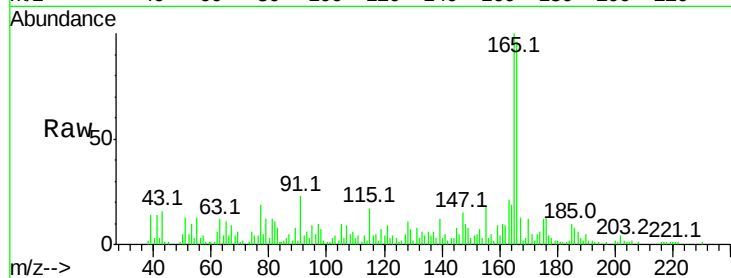
166 100

165 104.4 77.7 116.5

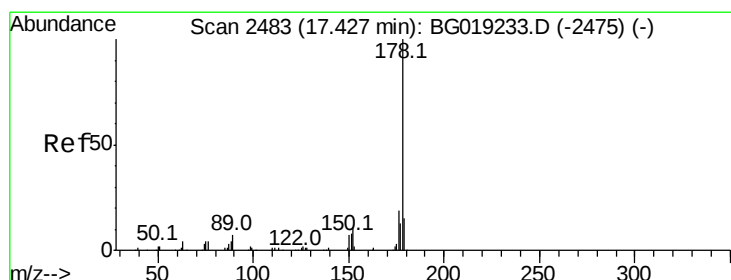
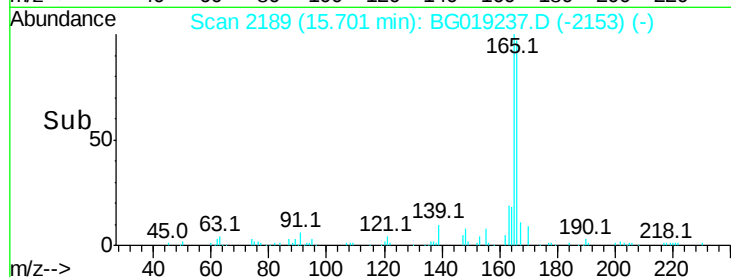
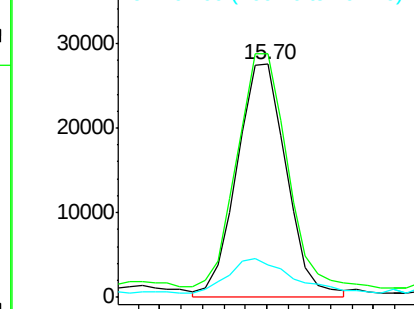
167 13.9 10.4 15.6

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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: 5.14 ng/ul m

RT: 17.44 min Scan# 2485

Delta R.T. 0.01 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

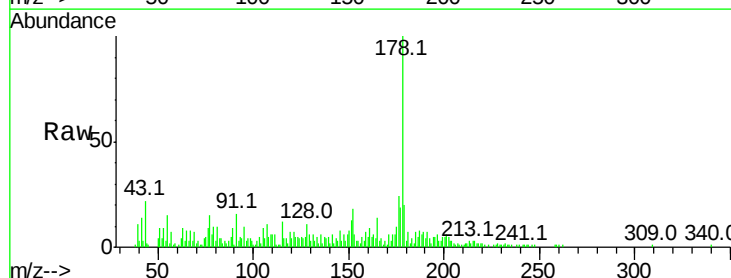
Tgt Ion:178 Resp: 40140

Ion Ratio Lower Upper

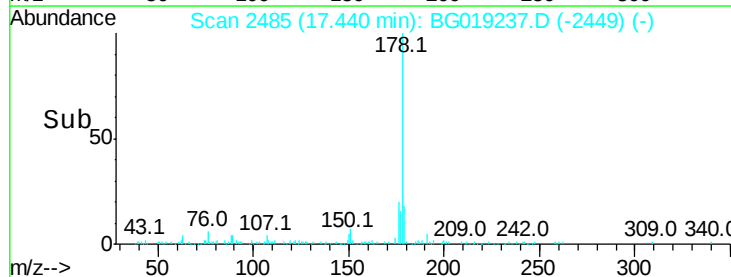
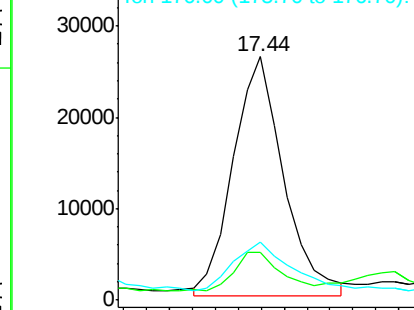
178 100

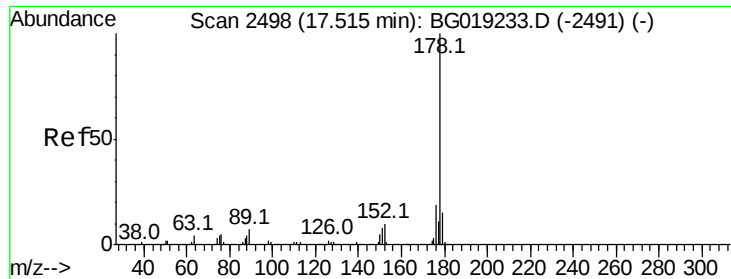
179 19.8 12.5 18.7#

176 24.0 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: 1.28 ng/ul m

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

Instrument :

BNA_G

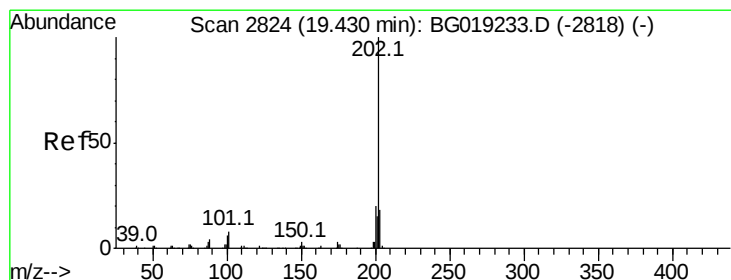
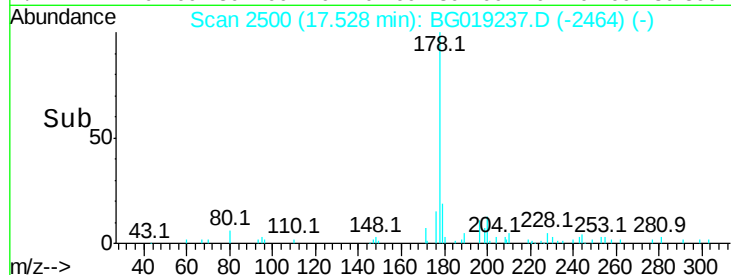
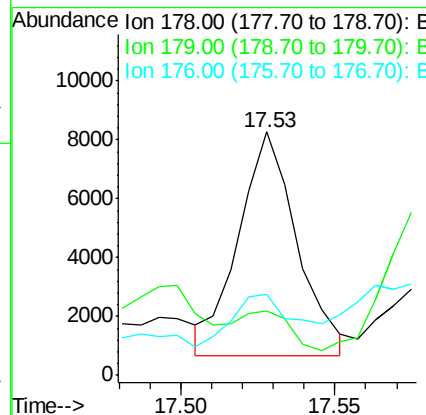
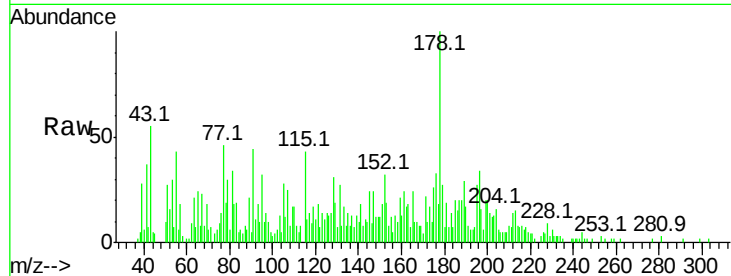
ClientSampleId :

E5LK5

Tot Ion:178	Resp:	10116
Ion Ratio	Lower	Upper
178	100	
179	26.6	12.2 18.4#
176	33.2	15.0 22.6#

Manual Integrations
APPROVED

MMdadoda
10/19/2015 6:29:36 PM



#77

Fluoranthene

Concen: 1.37 ng/ul m

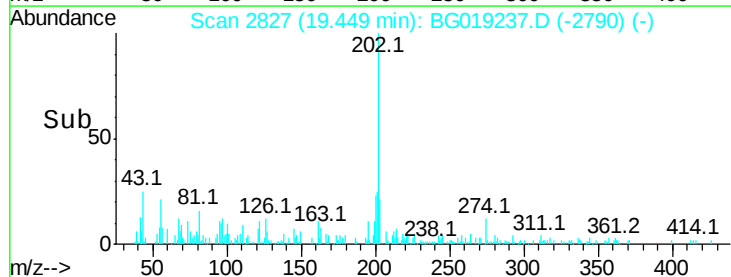
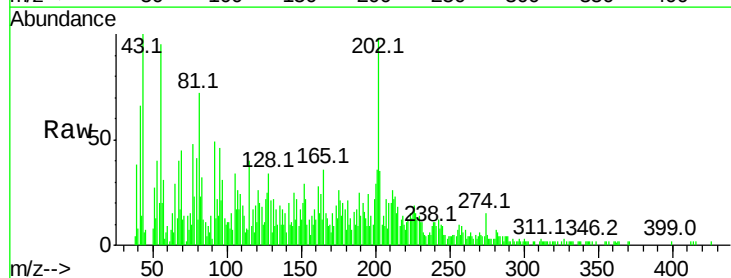
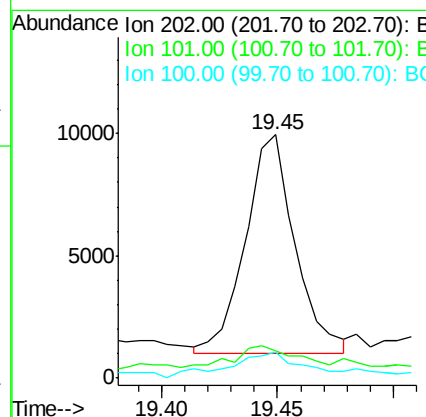
RT: 19.45 min Scan# 2827

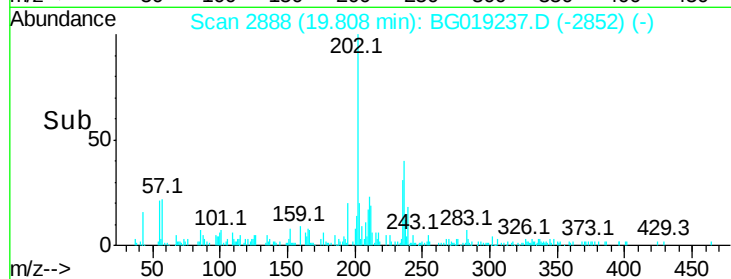
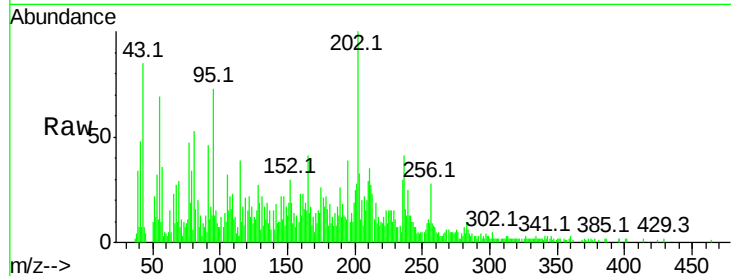
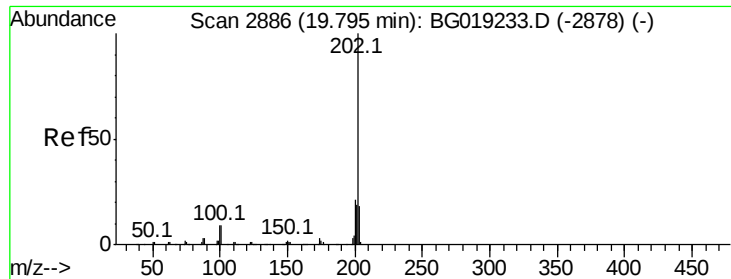
Delta R.T. 0.02 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

Tgt Ion:202	Resp:	13413
Ion Ratio	Lower	Upper
202	100	
101	11.3	9.0 13.4
100	10.9	6.9 10.3#





#80

Pvrene

Concen: 1.70 ng/ul m

RT: 19.81 min Scan# 2888

Delta R.T. 0.01 min

Lab File: BG019237.D

Acq: 16 Oct 2015 23:52

Instrument :

BNA_G

ClientSampleId :

E5LK5

Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	11.8	10.2	15.2	
100	6.8	8.5	12.7	

Manual Integrations
APPROVED

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