

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
 Data File : BG019411.D
 Acq On : 29 Oct 2015 10:44
 Operator : UM/NP
 Sample : G3996-18
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7

Manual Integrations
 APPROVED

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 10/30/2015 6:32:18 PM

Quant Time: Oct 30 06:11:29 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG102815.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 30 02:14:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	43873	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	168828	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.86	164	120868	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.60	188	273997	20.00	ng/ul	0.02
78) Chrysene-d12	21.90	240	334345	20.00	ng/ul	0.03
86) Perylene-d12	25.31	264	312628	20.00	ng/ul	0.06

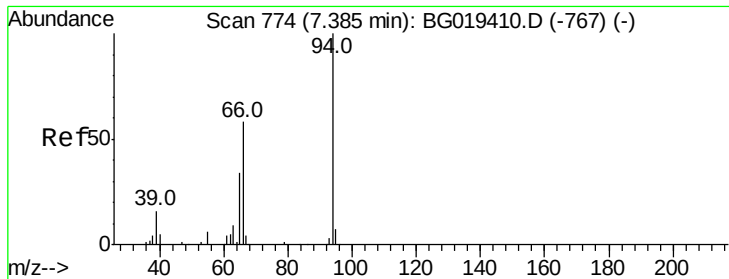
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	30389	33.18	ng/uL	-0.01
5) Phenol-d5	7.40	99	88645	22.01	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.53	67	60237	23.59	ng/ul	0.01
9) 2-Chlorophenol-d4	7.75	132	55150	21.94	ng/ul	0.01
13) 4-Methylphenol-d8	8.88	113	181	0.06	ng/ul	-0.04
19) Nitrobenzene-d5	9.42	128	39826	32.10	ng/ul	0.04
22) 2-Nitrophenol-d4	10.13	143	32724	22.22	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.73	165	69660	21.80	ng/ul	0.08
29) 4-Chloroaniline-d4	11.17	131	143863	44.50	ng/ul	0.00
44) Dimethylphthalate-d6	14.30	166	213998m	21.47	ng/ul	0.07
47) Acenaphthylene-d8	14.56	160	265333	24.04	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.86	176	314976m	34.17	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.71	188	316955	25.38	ng/ul	0.03
79) Pyrene-d10	19.98	212	341068	23.31	ng/ul	0.03
90) Benzo(a)pyrene-d12	25.07	264	360856	23.00	ng/ul	0.06

Target Compounds

						Ovalue
6) Phenol	7.43	94	2670227	622.37	ng/ul	94
11) 2-Methylphenol	8.72	108	3909750	1232.16	ng/ul	94
14) Acetophenone	9.02	105	286630	53.23	ng/ul#	13
16) 4-Methylphenol	9.12	108	7393596m	2133.82	ng/ul	
24) 2,4-Dimethylphenol	10.29	107	6830570m	1563.15	ng/ul	
28) Naphthalene	11.13	128	3937022	466.07	ng/ul#	85
34) 2-Methylnaphthalene	12.73	142	2312575	340.67	ng/ul	98
35) 1-Methylnaphthalene	12.94	142	1457930	226.99	ng/ul	99
41) 1,1'-Biphenyl	13.71	154	757150	88.62	ng/ul#	92
48) Acenaphthylene	14.59	152	360903	31.92	ng/ul#	82
50) Acenaphthene	14.93	153	239733	31.40	ng/ul	90
54) Dibenzofuran	15.26	168	1131737	100.65	ng/ul	92
59) Fluorene	15.91	166	793963	80.94	ng/ul#	92
70) Phenanthrene	17.65	178	1506212	108.92	ng/ul#	88
72) Anthracene	17.74	178	344443	24.44	ng/ul#	86
75) Carbazole	18.02	167	96281	8.56	ng/ul#	58
77) Fluoranthene	19.64	202	491704	27.47	ng/ul#	93
80) Pyrene	20.01	202	524368	27.95	ng/ul#	94
83) Benzo(a)anthracene	21.88	228	148401	7.62	ng/ul#	68
85) Chrysene	21.95	228	158802	8.69	ng/ul#	78

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



#6

Phenol

Concen: 622.37 ng/ul

RT: 7.43 min Scan# 782

Delta R.T. 0.05 min

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Instrument :

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ClientSampleId :

E5LK7

Tot Ion: 94 Resp: 2670227

Ion Ratio Lower Upper

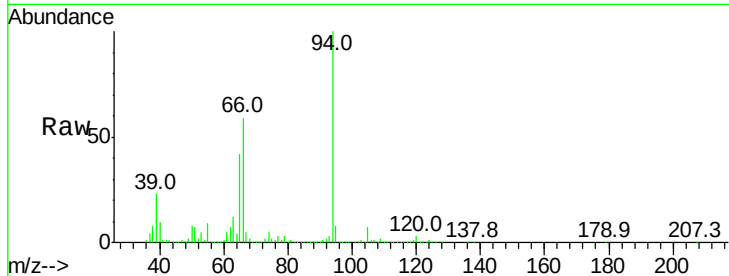
94 100

65 42.4 29.3 43.9

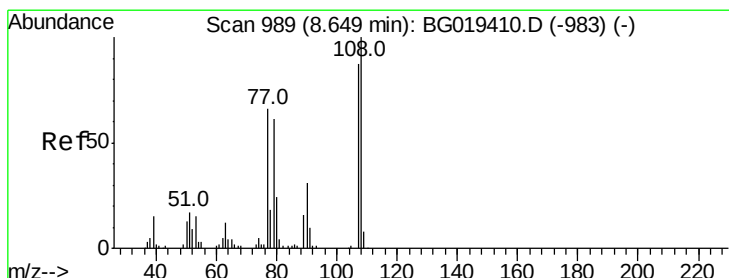
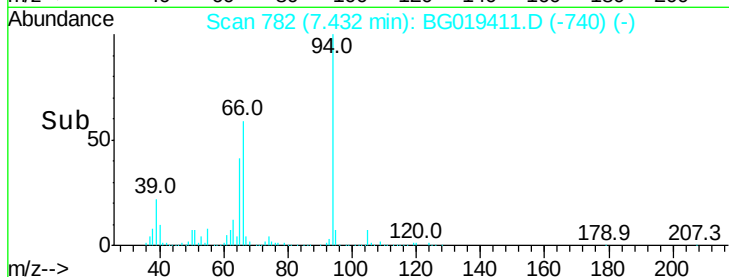
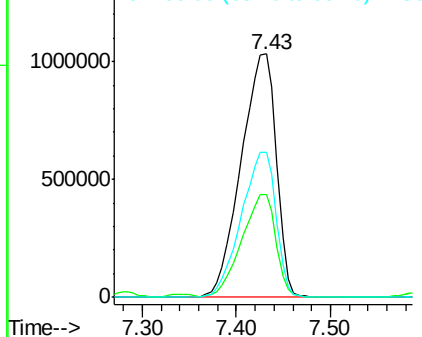
66 59.4 45.0 67.6

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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: 1232.16 ng/ul

RT: 8.72 min Scan# 1002

Delta R.T. 0.08 min

Lab File: BG019411.D

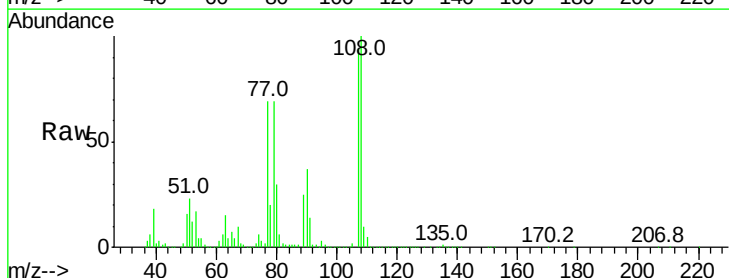
Acq: 29 Oct 2015 10:44

Tgt Ion: 108 Resp: 3909750

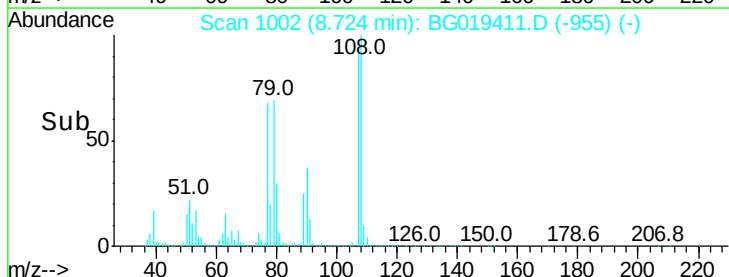
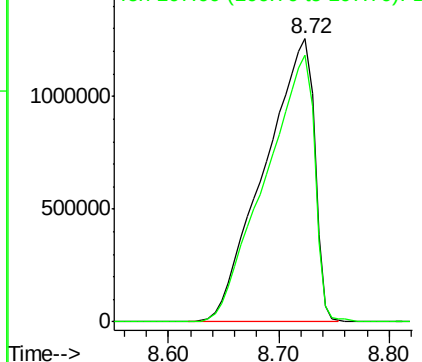
Ion Ratio Lower Upper

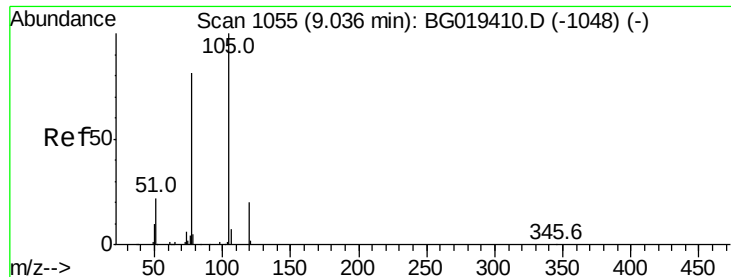
108 100

107 94.4 71.2 106.8



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





#14

Acetophenone

Concen: 53.23 ng/ul

RT: 9.02 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

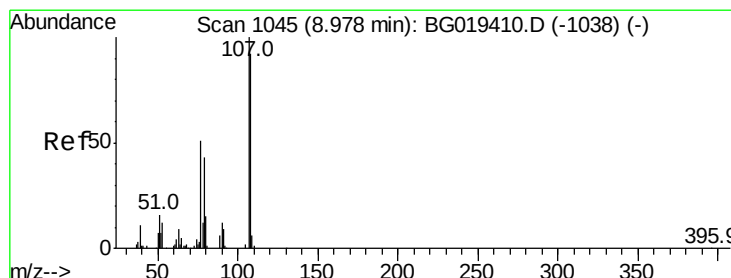
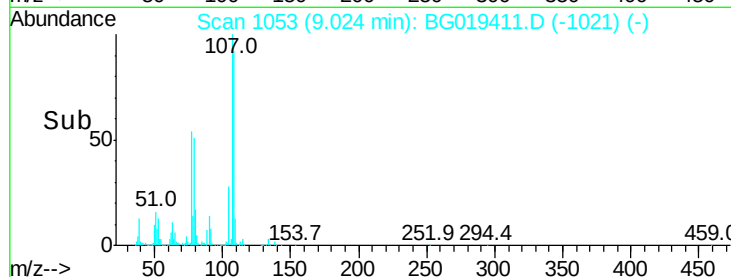
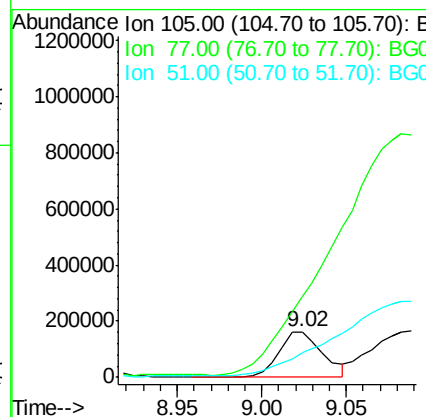
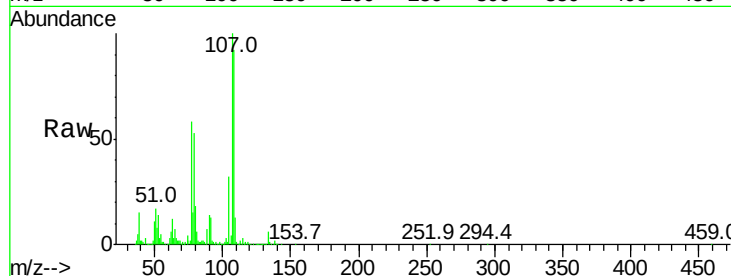
ClientSampleId :

E5LK7

Tot Ion:	105	Resp:	286630
Ion Ratio	Lower	Upper	
105	100		
77	178.1	69.5	104.3#
51	53.2	21.8	32.6#

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#16

4-Methylphenol

Concen: 2133.82 ng/ul m

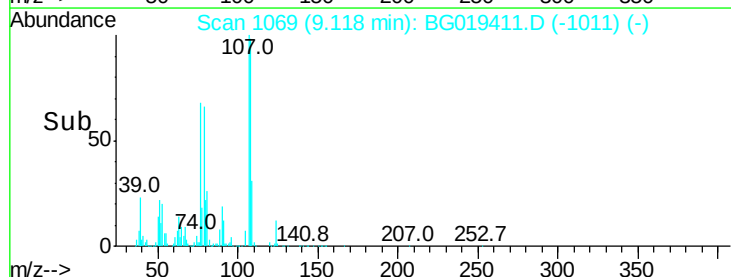
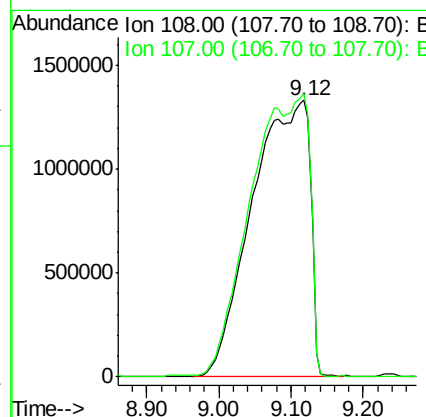
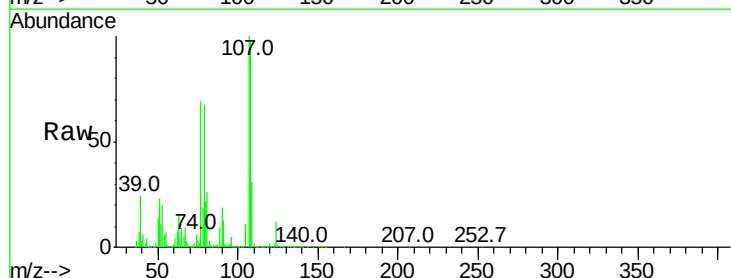
RT: 9.12 min Scan# 1069

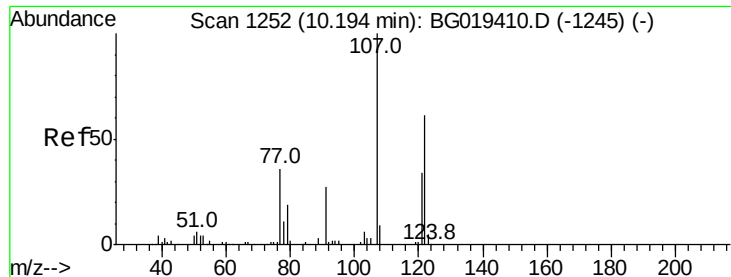
Delta R.T. 0.14 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Tgt Ion:	108	Resp:	7393596
Ion Ratio	Lower	Upper	
108	100		
107	102.3	85.4	128.2





#24

2,4-Dimethylphenol

Concen: 1563.15 ng/ul m

RT: 10.29 min Scan# 1269

Delta R.T. 0.10 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

ClientSampleId :

E5LK7

Tot Ion:107 Resp: 6830570

Ion Ratio Lower Upper

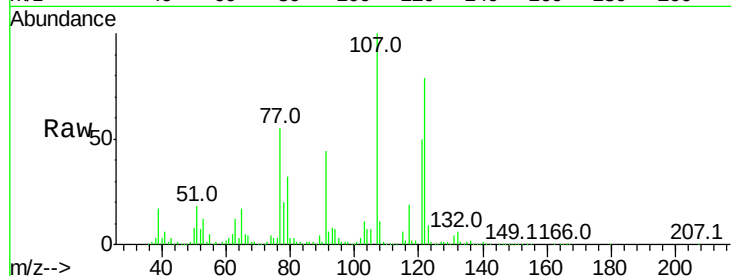
107 100

121 50.5 33.0 49.4#

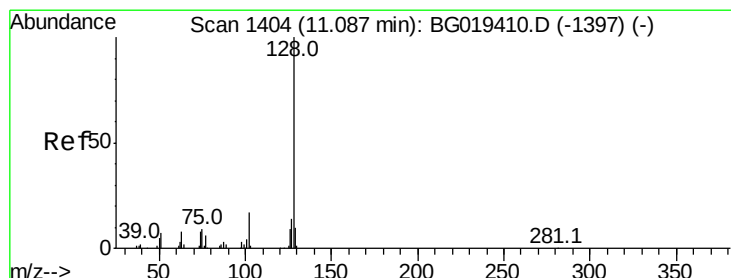
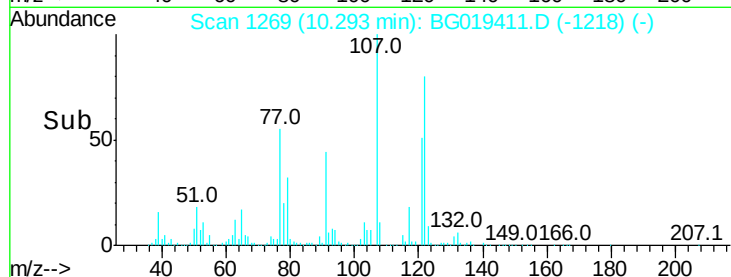
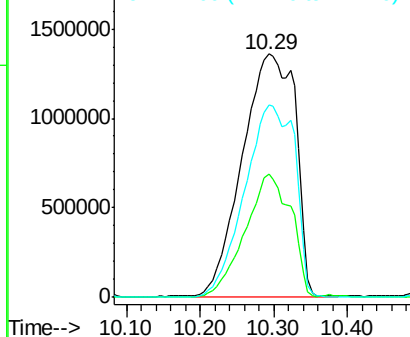
122 78.8 54.2 81.2

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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



#28

Naphthalene

Concen: 466.07 ng/ul

RT: 11.13 min Scan# 1412

Delta R.T. 0.05 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

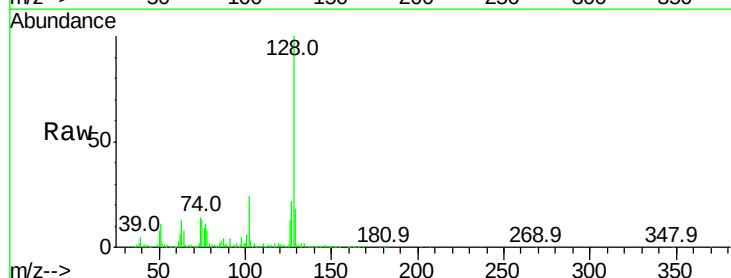
Tgt Ion:128 Resp: 3937022

Ion Ratio Lower Upper

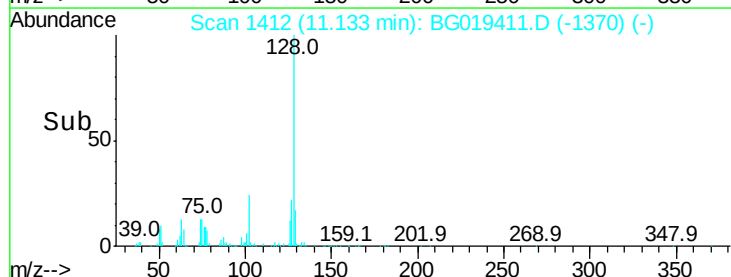
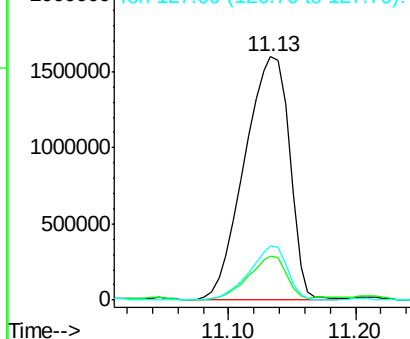
128 100

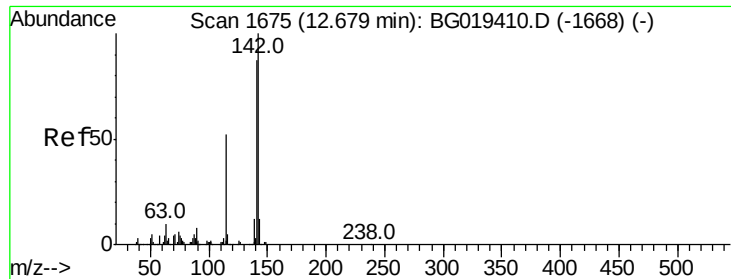
129 18.3 8.9 13.3#

127 22.0 13.1 19.7#



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: 340.67 ng/ul

RT: 12.73 min Scan# 1683

Delta R.T. 0.05 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

ClientSampleId :

E5LK7

Tot Ion:142 Resp: 2312575

Ion Ratio Lower Upper

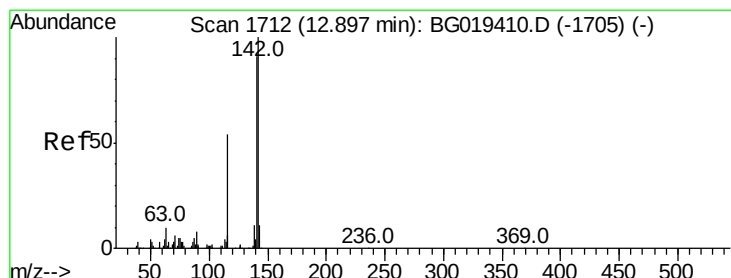
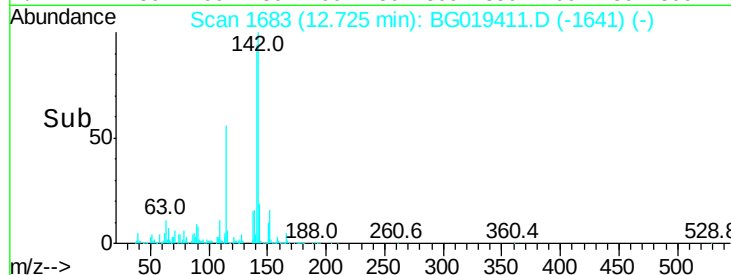
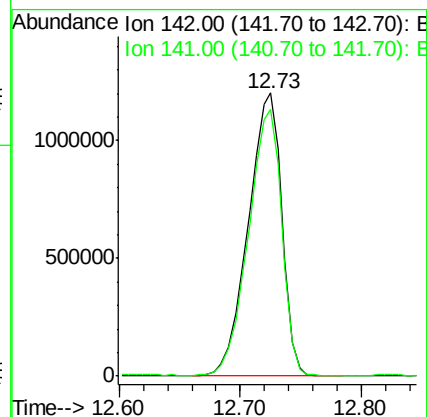
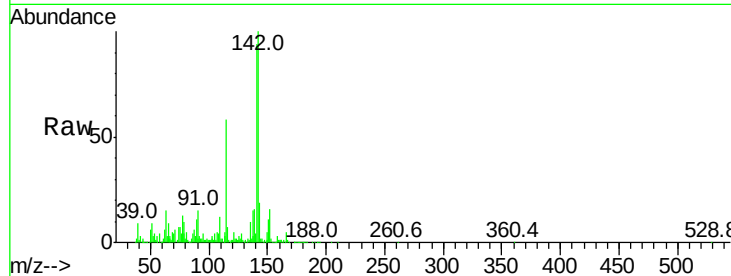
142 100

141 94.1 73.4 110.2

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#35

1-Methylnaphthalene

Concen: 226.99 ng/ul

RT: 12.94 min Scan# 1719

Delta R.T. 0.04 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

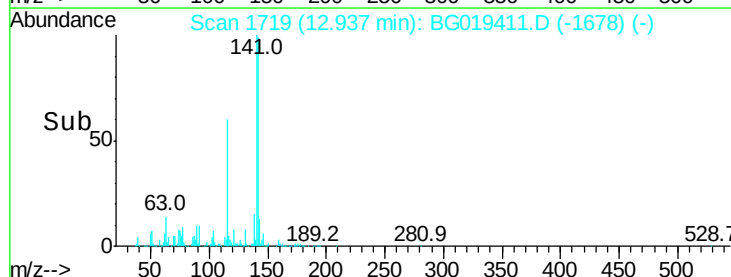
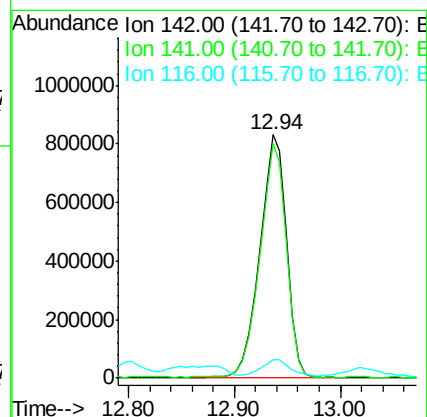
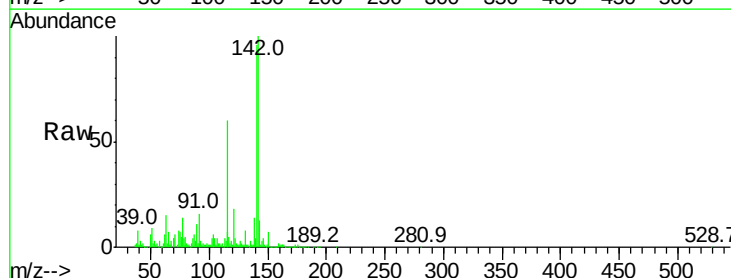
Tgt Ion:142 Resp: 1457930

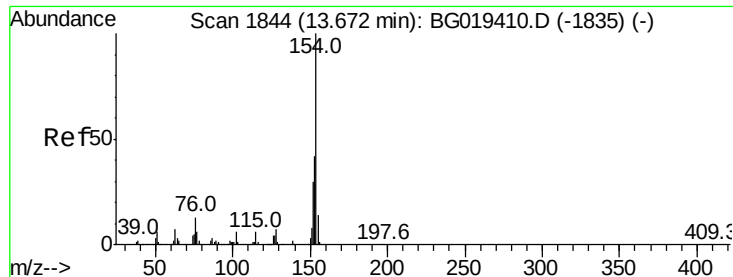
Ion Ratio Lower Upper

142 100

141 96.3 76.5 114.7

116 7.3 5.4 8.0





#41

1,1'-Biphenyl

Concen: 88.62 ng/ul

RT: 13.71 min Scan# 1850

Delta R.T. 0.03 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

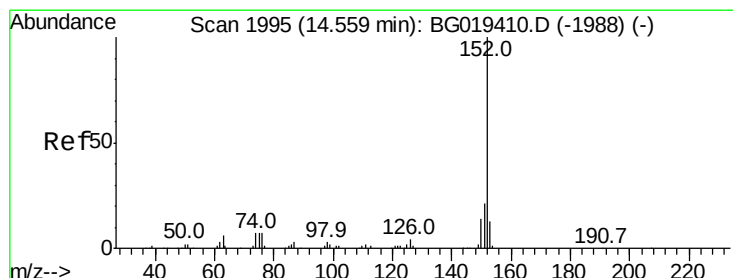
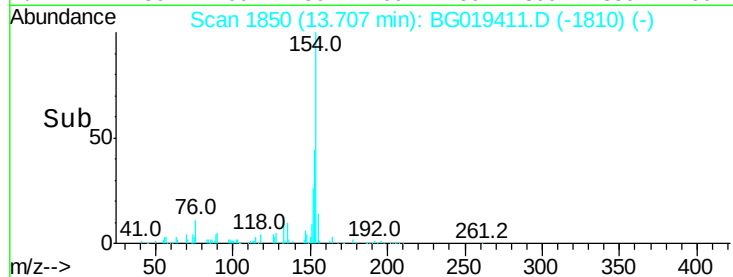
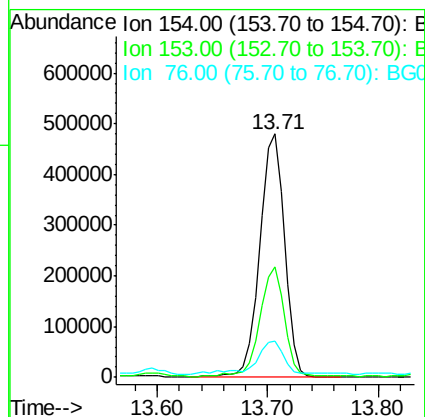
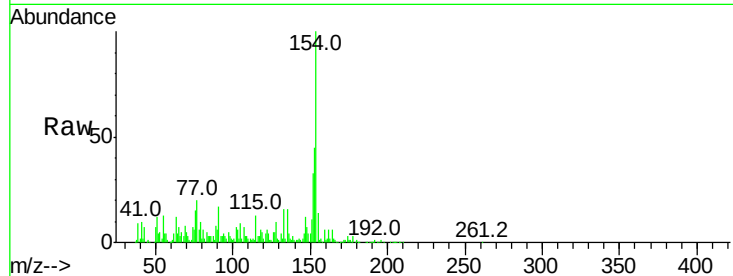
ClientSampleId :

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Tot Ion:	154	Resp:	757150
Ion Ratio	Lower	Upper	
154	100		
153	45.1	32.8	49.2
76	14.8	7.7	11.5#

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#48

Acenaphthylene

Concen: 31.92 ng/ul

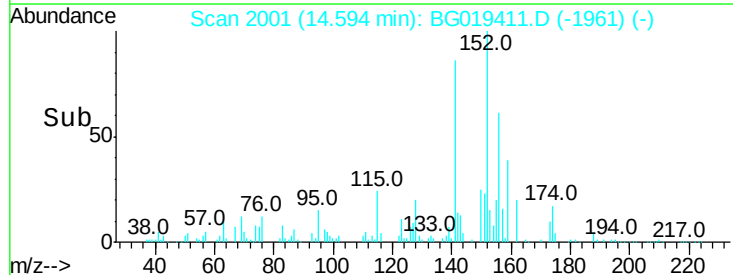
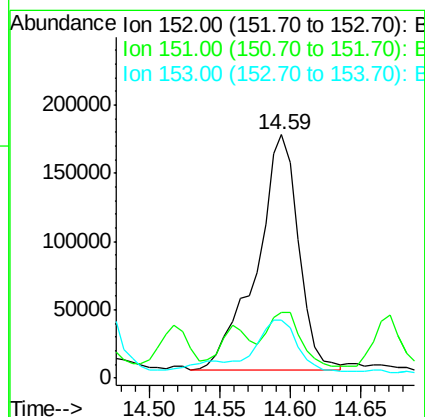
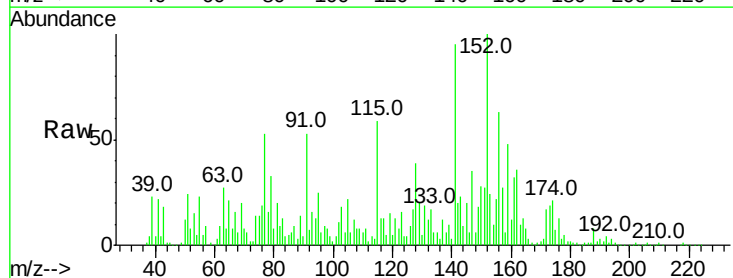
RT: 14.59 min Scan# 2001

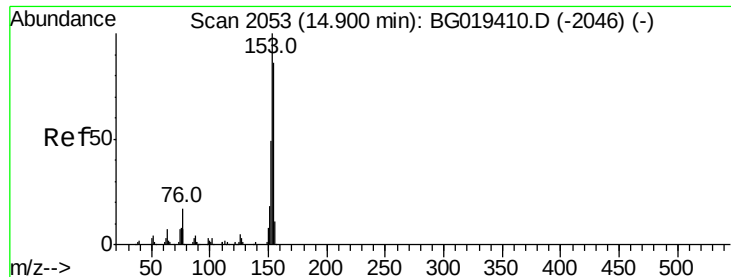
Delta R.T. 0.03 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Tgt Ion:	152	Resp:	360903
Ion Ratio	Lower	Upper	
152	100		
151	27.2	16.9	25.3#
153	24.0	10.8	16.2#





#50

Acenaphthene

Concen: 31.40 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. 0.03 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

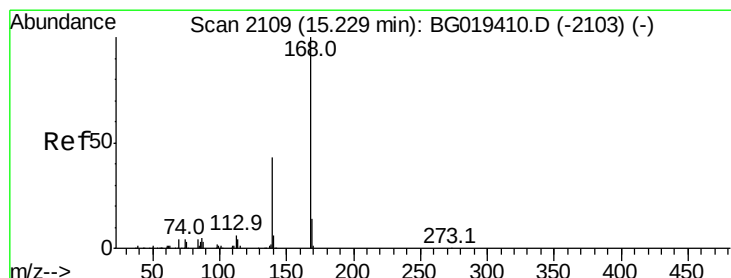
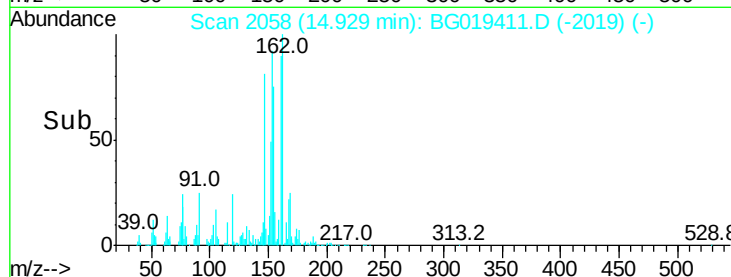
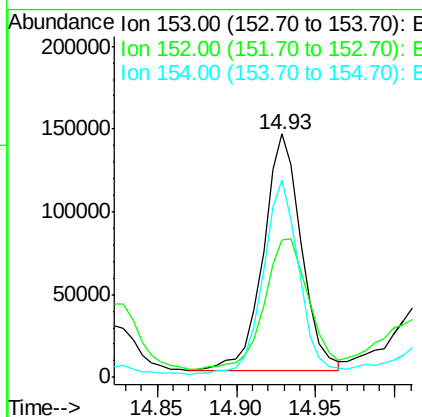
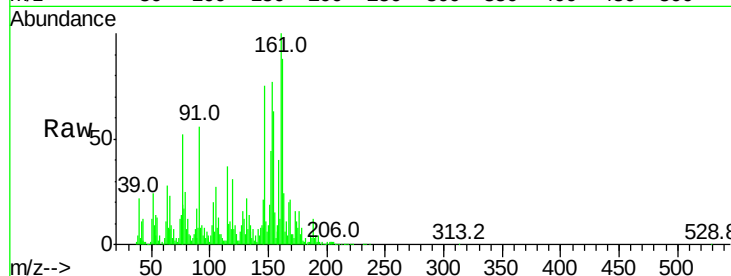
ClientSampleId :

E5LK7

Tot Ion:	153	Resp:	239733
Ion Ratio	Lower	Upper	
153	100		
152	56.5	38.8	58.2
154	81.2	71.5	107.3

Manual Integrations
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#54

Dibenzofuran

Concen: 100.65 ng/ul

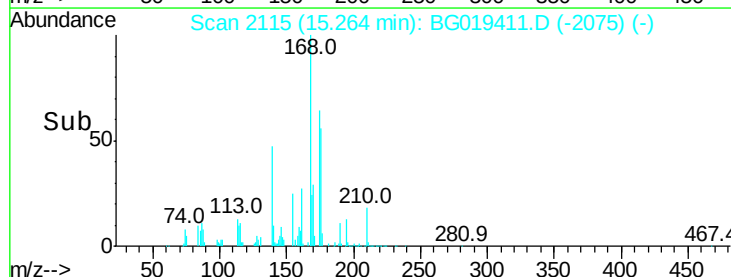
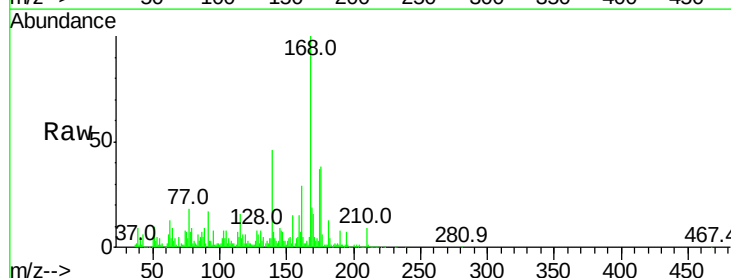
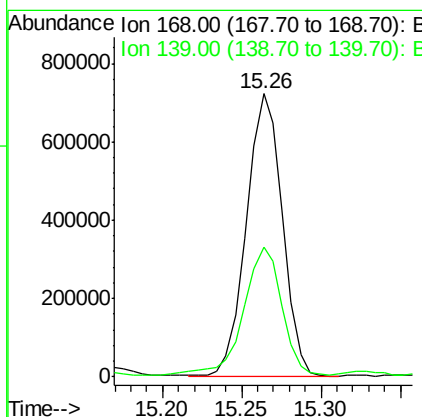
RT: 15.26 min Scan# 2115

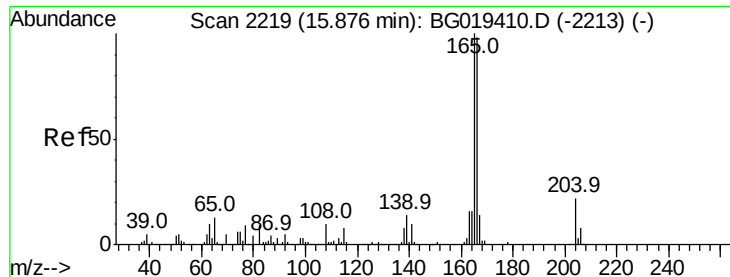
Delta R.T. 0.03 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Tgt Ion:	168	Resp:	1131737
Ion Ratio	Lower	Upper	
168	100		
139	45.7	32.4	48.6





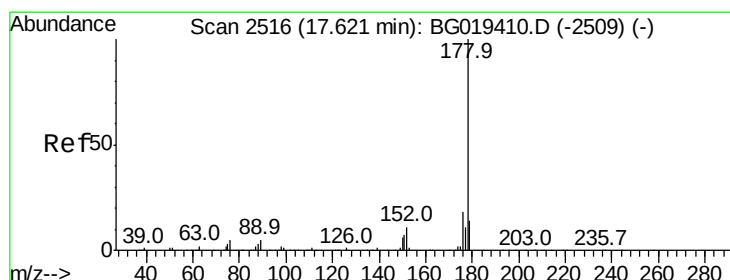
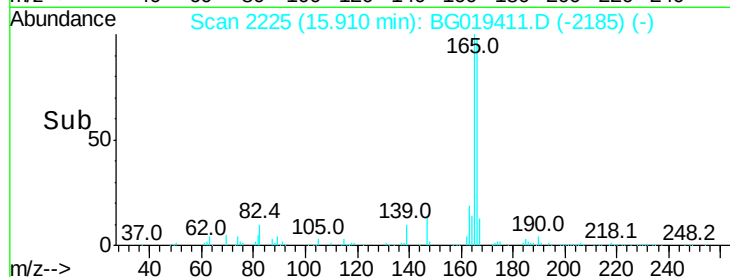
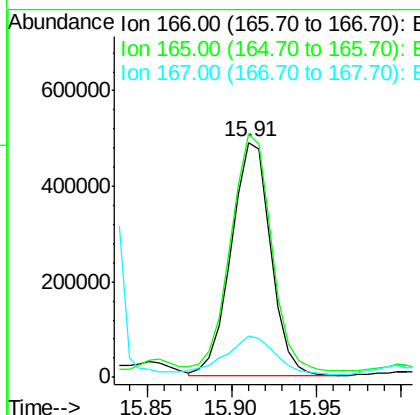
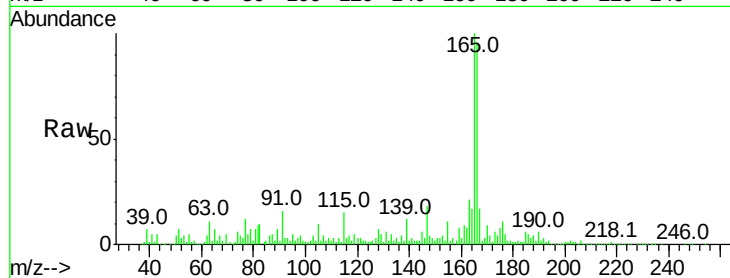
#59
 Fluorene
 Concen: 80.94 ng/ul
 RT: 15.91 min Scan# 2225
 Delta R.T. 0.03 min
 Lab File: BG019411.D
 Acq: 29 Oct 2015 10:44

Instrument :
 BNA_G
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 E5LK7

Tot Ion	Ratio	Resp	Lower	Upper
166	100	793963		
165	103.6		77.6	116.4
167	17.4		9.6	14.4#

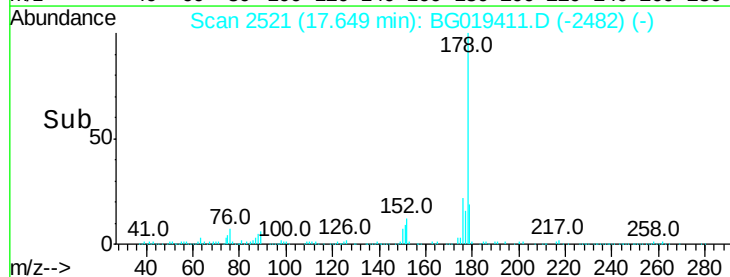
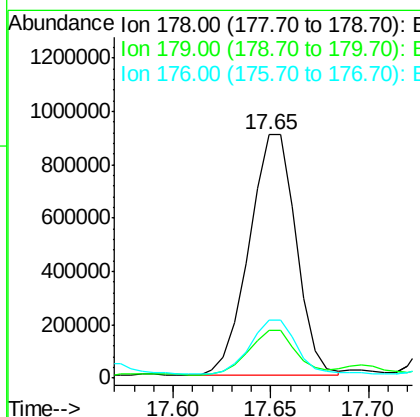
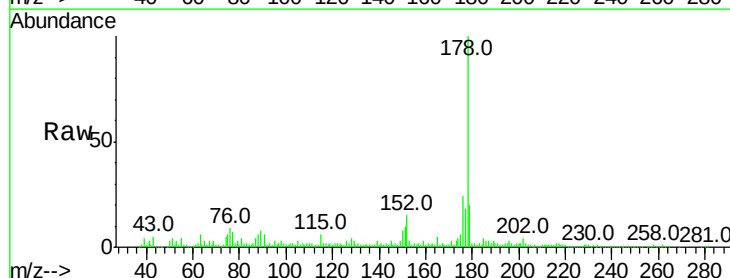
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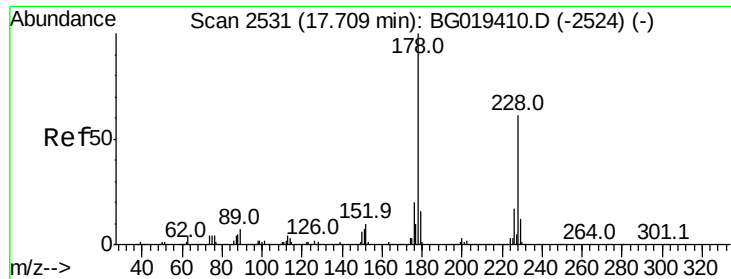
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#70
 Phenanthrene
 Concen: 108.92 ng/ul
 RT: 17.65 min Scan# 2521
 Delta R.T. 0.03 min
 Lab File: BG019411.D
 Acq: 29 Oct 2015 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1506212		
179	19.7		12.6	18.8#
176	23.8		14.3	21.5#





#72

Anthracene

Concen: 24.44 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. 0.03 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

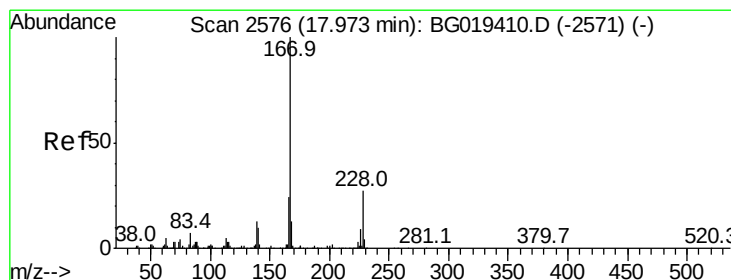
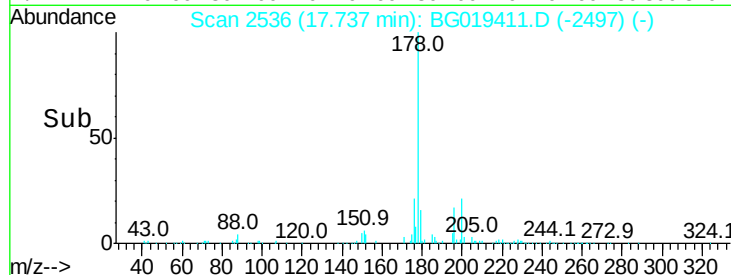
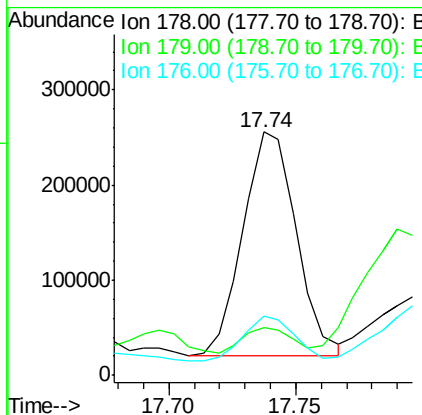
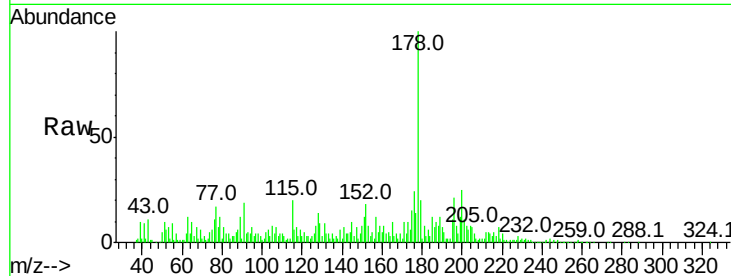
ClientSampleId :

E5LK7

Tot Ion:	178	Resp:	344443
Ion Ratio	Lower	Upper	
178	100		
179	19.7	11.6	17.4#
176	24.1	14.2	21.4#

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#75

Carbazole

Concen: 8.56 ng/ul

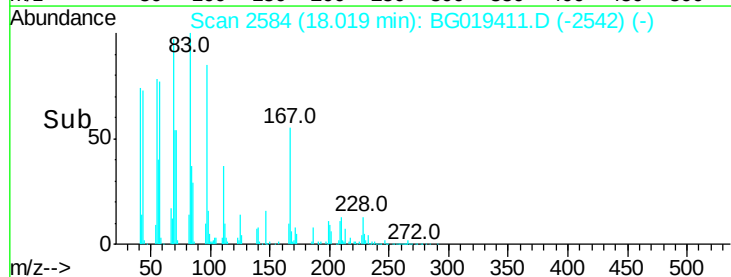
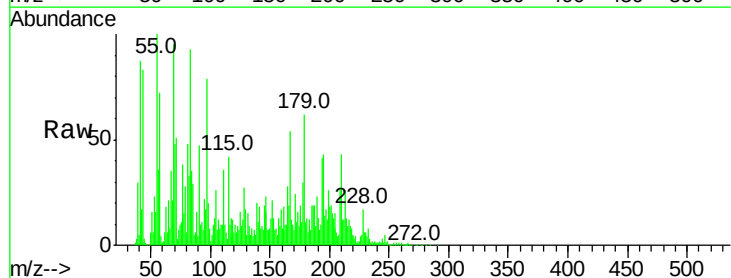
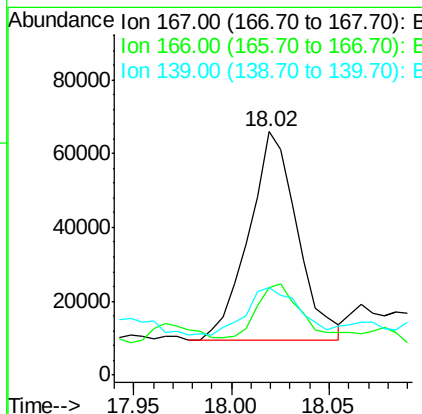
RT: 18.02 min Scan# 2584

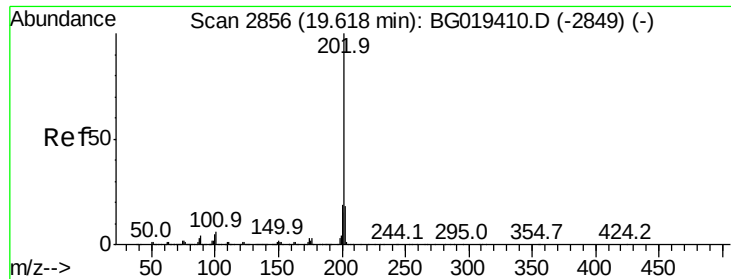
Delta R.T. 0.05 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Tgt Ion:	167	Resp:	96281
Ion Ratio	Lower	Upper	
167	100		
166	35.7	16.8	25.2#
139	36.1	9.8	14.6#





#77

Fluoranthene

Concen: 27.47 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Instrument :

BNA_G

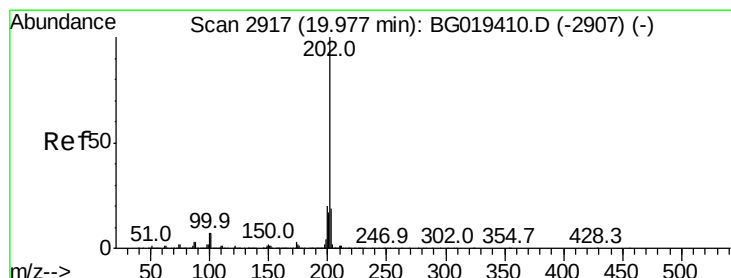
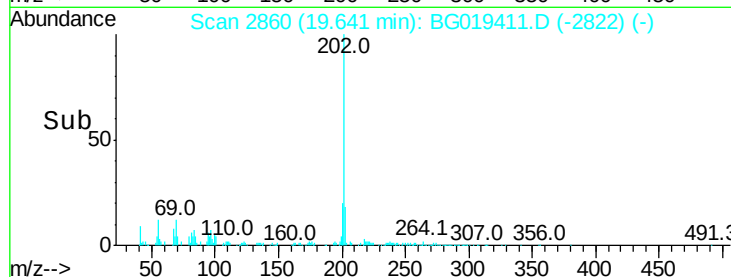
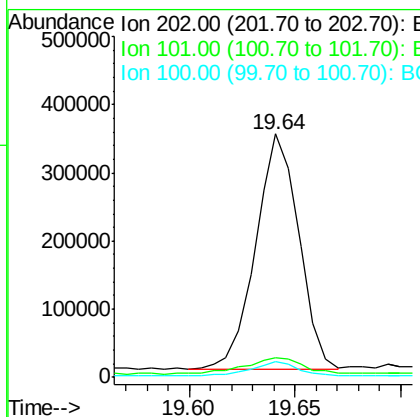
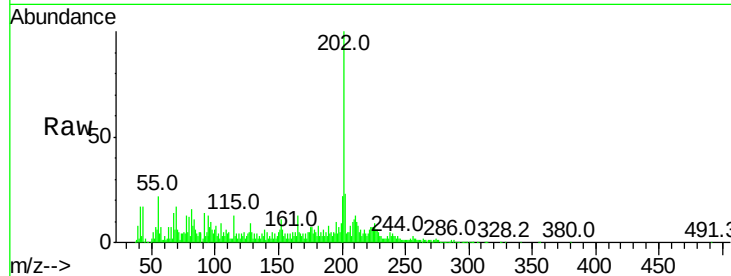
ClientSampleId :

E5LK7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	491704		
101	8.1	4.0	6.0#	
100	6.2	3.6	5.4#	

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#80

Pyrene

Concen: 27.95 ng/ul

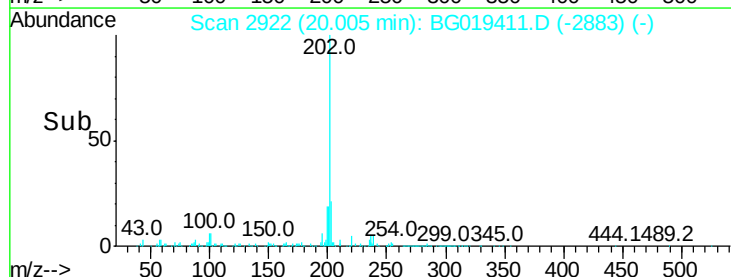
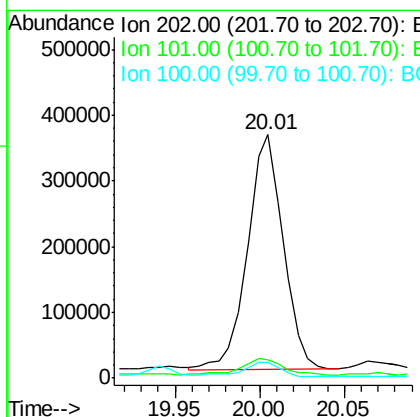
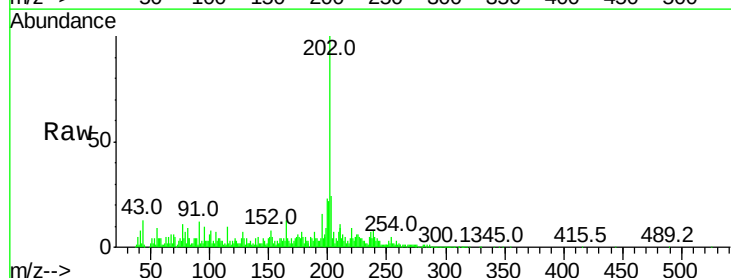
RT: 20.01 min Scan# 2922

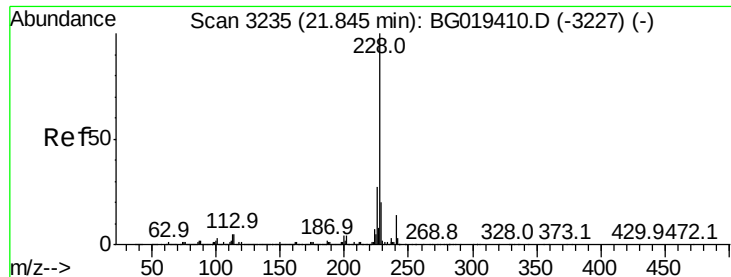
Delta R.T. 0.03 min

Lab File: BG019411.D

Acq: 29 Oct 2015 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	524368		
101	7.7	4.3	6.5#	
100	6.3	3.6	5.4#	





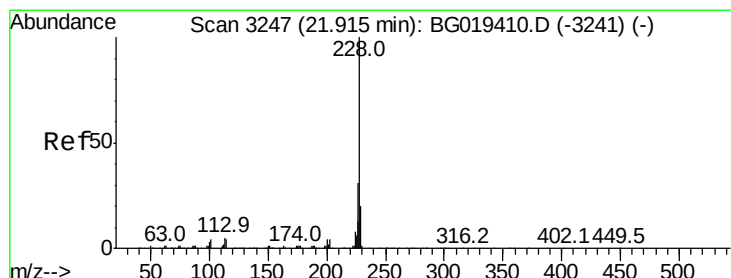
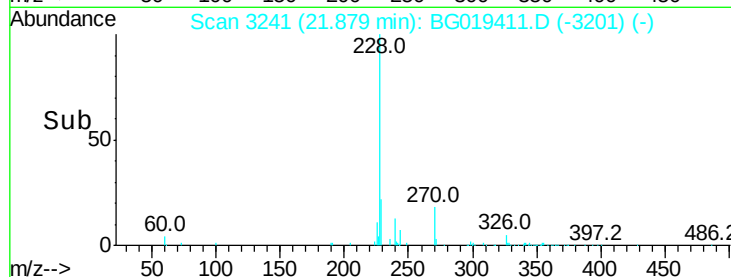
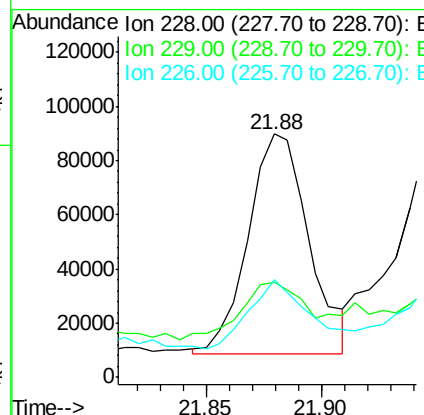
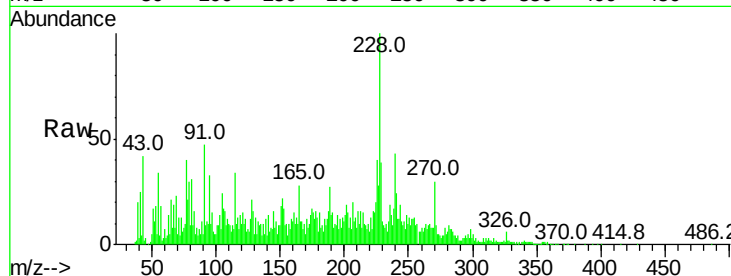
#83
Benzo(a)anthracene
Concen: 7.62 ng/ul
RT: 21.88 min Scan# 3241
Delta R.T. 0.03 min
Lab File: BG019411.D
Acq: 29 Oct 2015 10:44

Instrument :
BNA_G
ClientSampleId :
E5LK7

Tot Ion	Ratio	Lower	Upper
228	100		
229	38.8	15.8	23.8#
226	40.3	21.8	32.6#

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#85
Chrysene
Concen: 8.69 ng/ul
RT: 21.95 min Scan# 3253
Delta R.T. 0.03 min
Lab File: BG019411.D
Acq: 29 Oct 2015 10:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.5	24.6	36.8#
229	35.0	17.3	25.9#

