

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
 Data File : BG019421.D
 Acq On : 29 Oct 2015 17:28
 Operator : UM/NP
 Sample : G3996-18
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 6:32:28 PM

Quant Time: Oct 30 11:19:36 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	8.21	152	46748	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	189323m	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.86	164	134753m	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.60	188	321972m	20.00	ng/ul	0.02
78) Chrysene-d12	21.90	240	397942m	20.00	ng/ul	0.03
86) Perylene-d12	25.31	264	359600	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	19176	19.65	ng/uL	0.00
5) Phenol-d5	7.39	99	78360m	18.26	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.53	67	52004	19.12	ng/ul	0.01
9) 2-Chlorophenol-d4	7.75	132	47650	17.79	ng/ul	0.01
13) 4-Methylphenol-d8	8.97	113	48104m	14.07	ng/ul	0.05
19) Nitrobenzene-d5	9.42	128	35600m	25.59	ng/ul	0.04
22) 2-Nitrophenol-d4	10.13	143	30016m	18.17	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.72	165	61315	17.11	ng/ul	0.07
29) 4-Chloroaniline-d4	11.16	131	140557m	38.78	ng/ul	0.00
44) Dimethylphthalate-d6	14.29	166	180713m	16.27	ng/ul	0.06
47) Acenaphthylene-d8	14.57	160	243046m	19.75	ng/ul	0.04
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.85	176	295755m	28.77	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	15.89	200	851	0.41	ng/ul	-0.04
71) Anthracene-d10	17.70	188	294139m	20.04	ng/ul	0.03
79) Pyrene-d10	19.98	212	317883m	18.25	ng/ul	0.02
90) Benzo(a)pyrene-d12	25.07	264	334052	18.51	ng/ul	0.05

Target Compounds

						Ovalue
6) Phenol	7.43	94	2360231	516.29	ng/ul	94
11) 2-Methylphenol	8.72	108	3506329	1037.06	ng/ul	95
14) Acetophenone	9.02	105	236730	41.26	ng/ul#	4
16) 4-Methylphenol	9.11	108	6804853	1843.13	ng/ul	96
24) 2,4-Dimethylphenol	10.29	107	6313872m	1288.49	ng/ul	
28) Naphthalene	11.13	128	3751194m	396.00	ng/ul	
34) 2-Methylnaphthalene	12.72	142	2181463	286.57	ng/ul	98
35) 1-Methylnaphthalene	12.94	142	1365293	189.56	ng/ul	100
41) 1,1'-Biphenyl	13.70	154	709177m	74.45	ng/ul	
48) Acenaphthylene	14.59	152	256794m	20.37	ng/ul	
50) Acenaphthene	14.92	153	220832	25.94	ng/ul	92
54) Dibenzofuran	15.26	168	1079676m	86.12	ng/ul	
59) Fluorene	15.91	166	760044m	69.50	ng/ul	
70) Phenanthrene	17.65	178	1495697m	92.04	ng/ul	
72) Anthracene	17.74	178	360724m	21.78	ng/ul	
75) Carbazole	18.02	167	96107m	7.27	ng/ul	
77) Fluoranthene	19.64	202	508109m	24.15	ng/ul	
80) Pyrene	20.00	202	541725m	24.26	ng/ul	
83) Benzo(a)anthracene	21.88	228	145481m	6.28	ng/ul	
85) Chrysene	21.94	228	168561m	7.75	ng/ul	

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

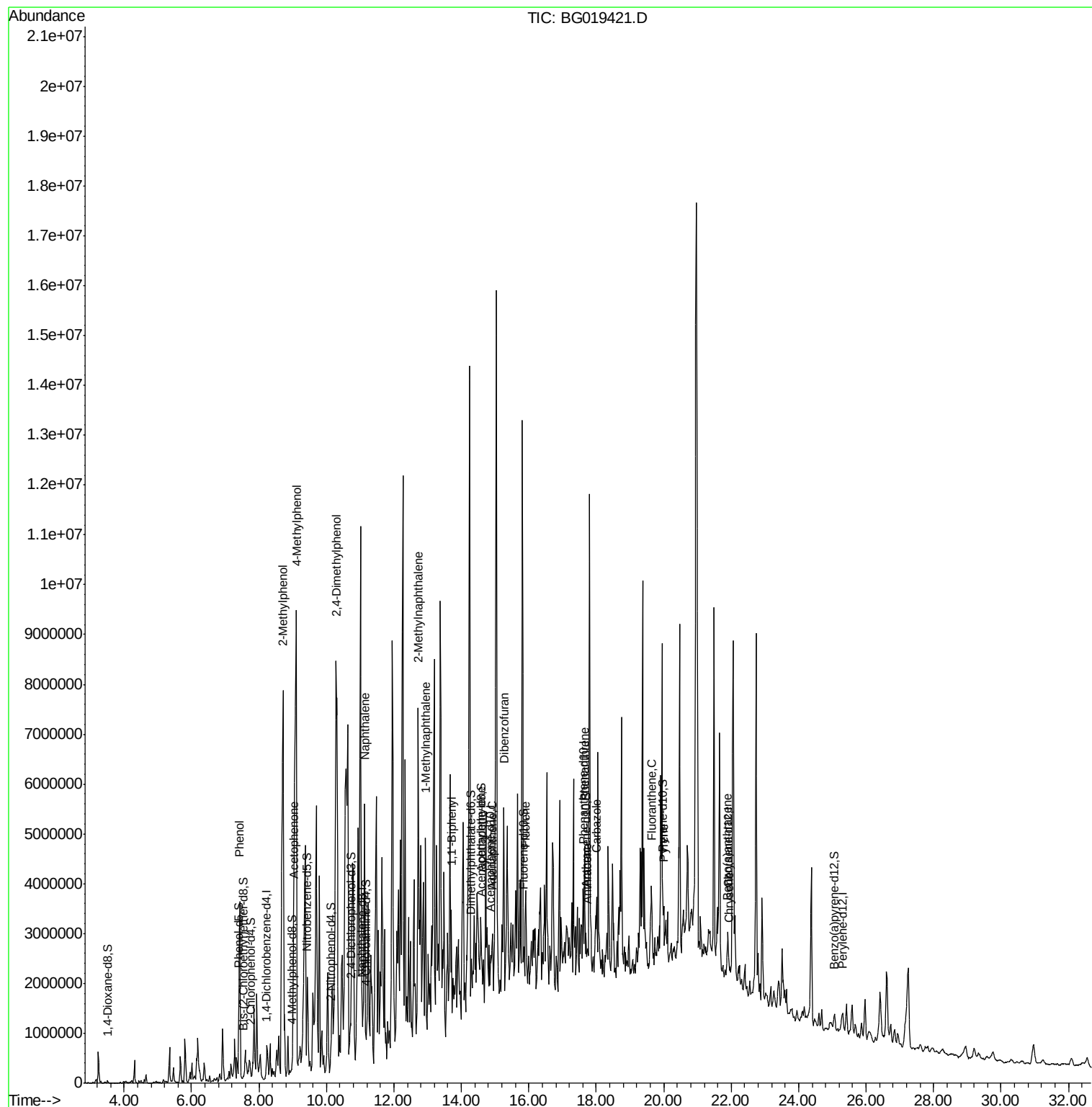
Data Path : Z:\HPCHEM1\BNA G\DATA\BG102815\
Data File : BG019421.D
Acq On : 29 Oct 2015 17:28
Operator : UM/NP
Sample : G3996-18
Misc :
ALS Vial : 32 Sample Multiplier: 1

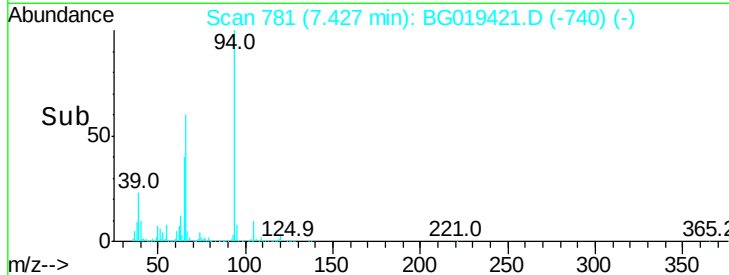
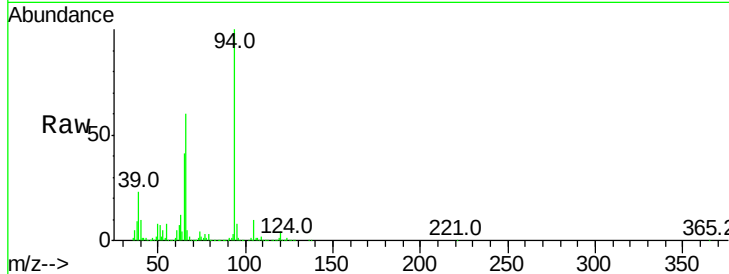
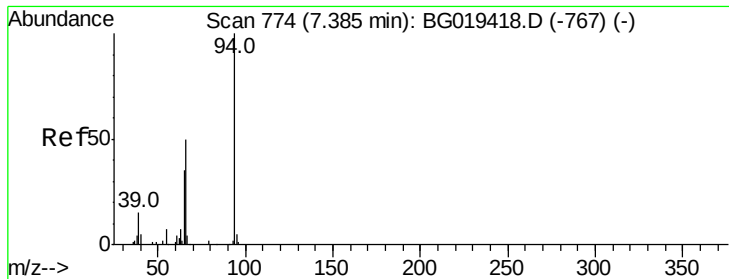
Instrument :
BNA_G
ClientSampleId :
E5LK7

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Quant Time: Oct 30 11:19:36 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





#6

Phenol

Concen: 516.29 ng/ul

RT: 7.43 min Scan# 781

Delta R.T. 0.04 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tot Ion: 94 Resp: 2360231

Ion Ratio Lower Upper

94 100

65 41.1 29.3 43.9

66 59.7 45.0 67.6

Instrument :

BNA_G

ClientSampleId :

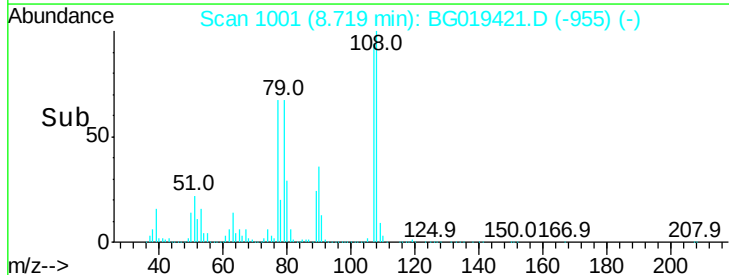
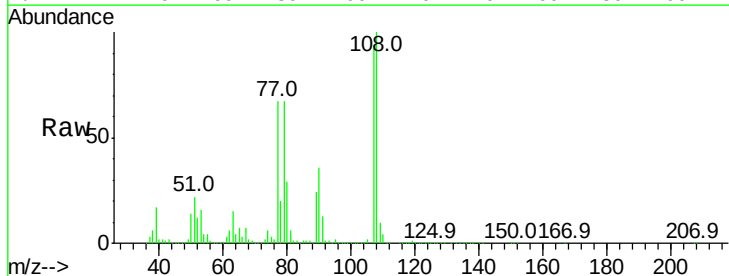
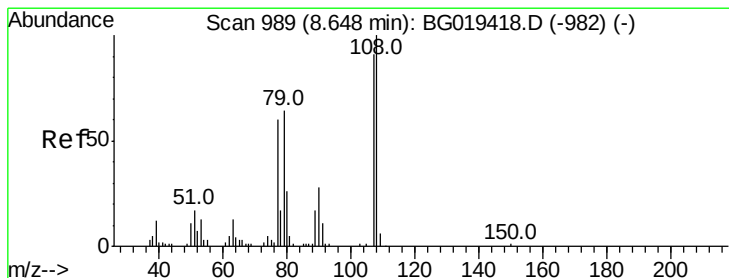
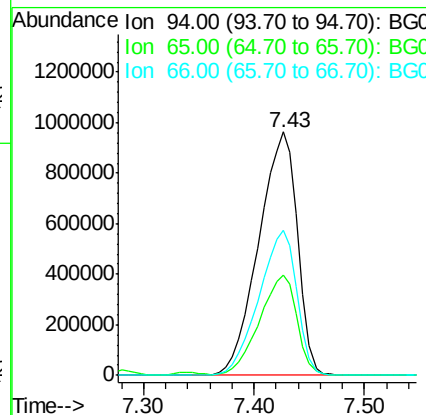
E5LK7

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#11

2-Methylphenol

Concen: 1037.06 ng/ul

RT: 8.72 min Scan# 1001

Delta R.T. 0.07 min

Lab File: BG019421.D

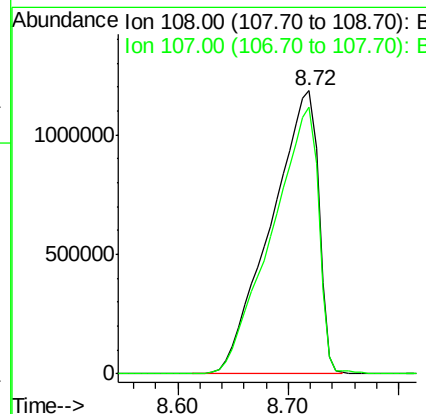
Acq: 29 Oct 2015 17:28

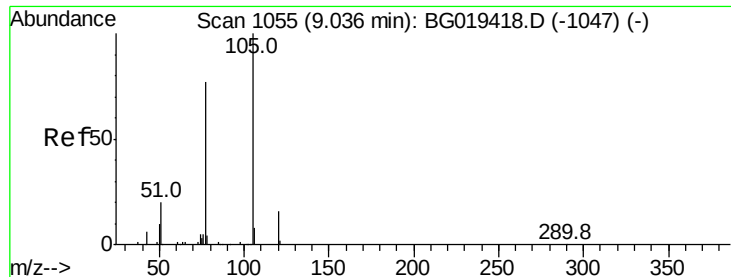
Tgt Ion:108 Resp: 3506329

Ion Ratio Lower Upper

108 100

107 94.0 71.2 106.8





#14

Acetophenone

Concen: 41.26 ng/ul

RT: 9.02 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

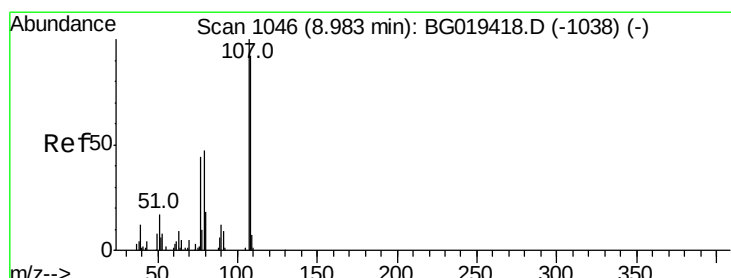
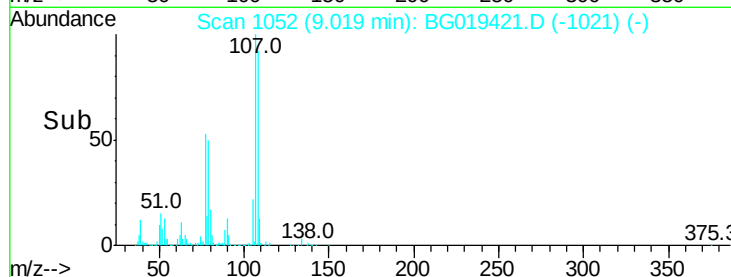
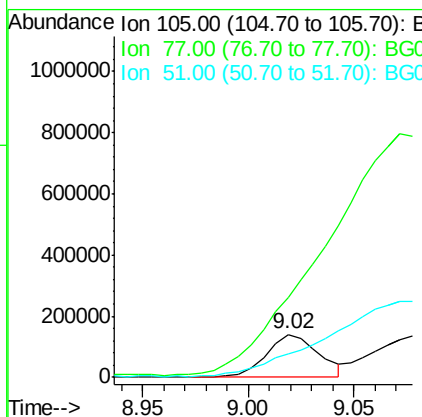
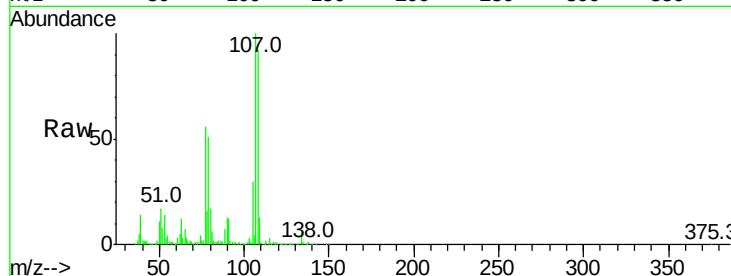
ClientSampleId :

E5LK7

Tot Ion	Ratio	Lower	Upper
105	100		
77	187.5	69.5	104.3#
51	55.5	21.8	32.6#

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#16

4-Methylphenol

Concen: 1843.13 ng/ul

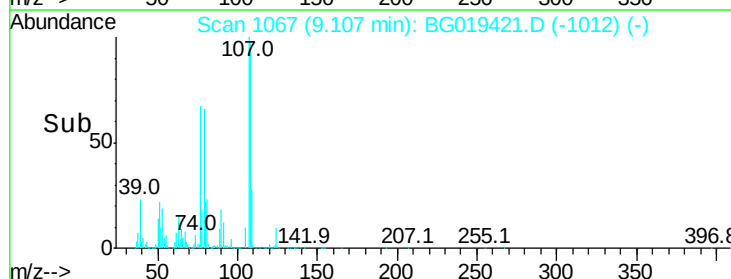
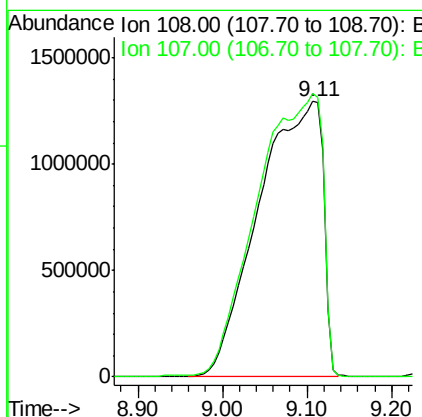
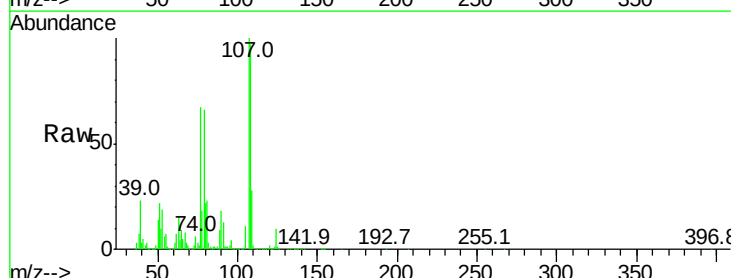
RT: 9.11 min Scan# 1067

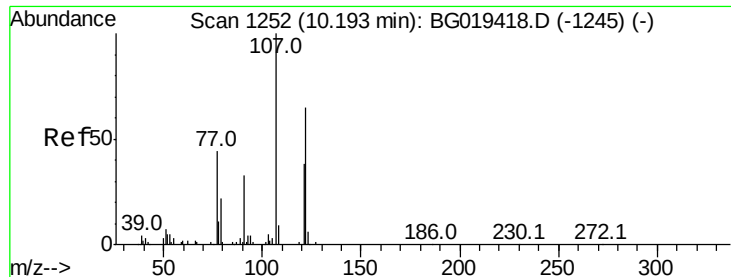
Delta R.T. 0.12 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tgt Ion	Ratio	Lower	Upper
108	100		
107	102.7	85.4	128.2





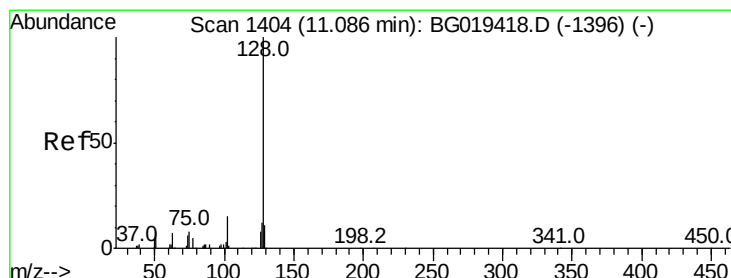
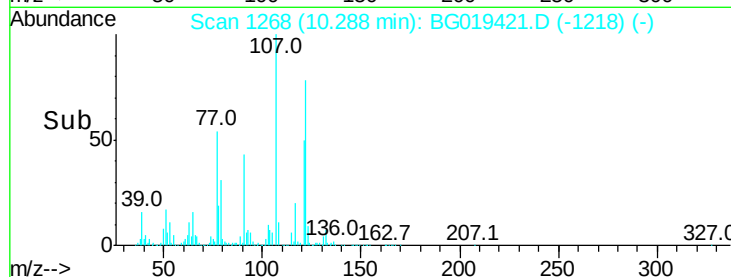
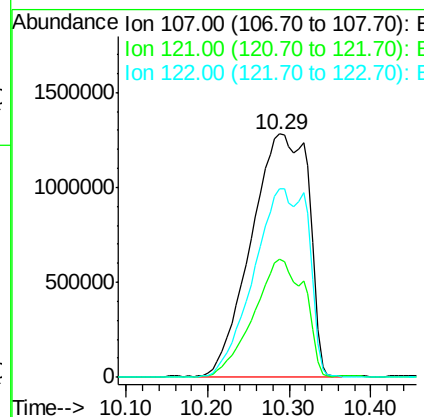
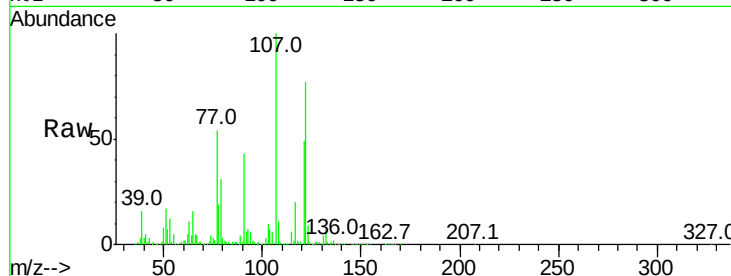
#24
 2,4-Dimethylphenol
 Concen: 1288.49 ng/ul m
 RT: 10.29 min Scan# 1268
 Delta R.T. 0.09 min
 Lab File: BG019421.D
 Acq: 29 Oct 2015 17:28

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7

Tot Ion	Ratio	Lower	Upper
107	100		
121	48.7	33.0	49.4
122	77.3	54.2	81.2

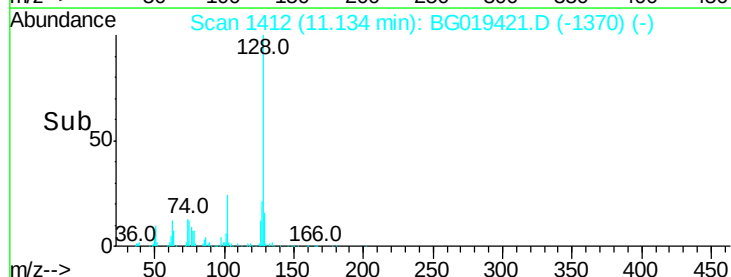
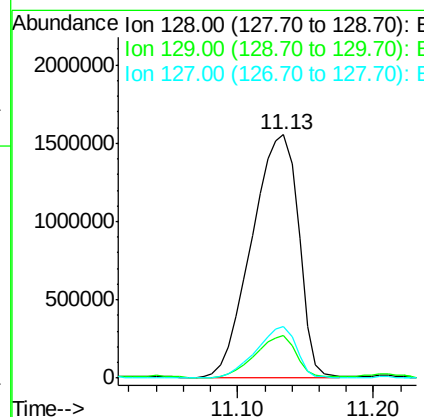
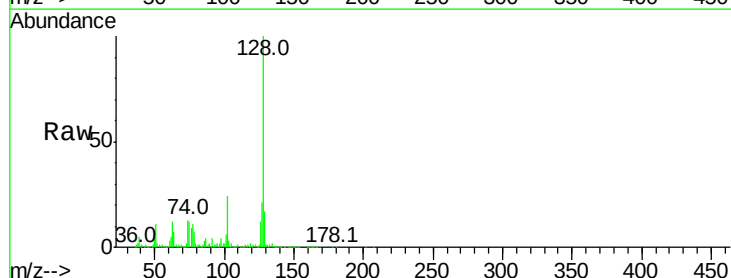
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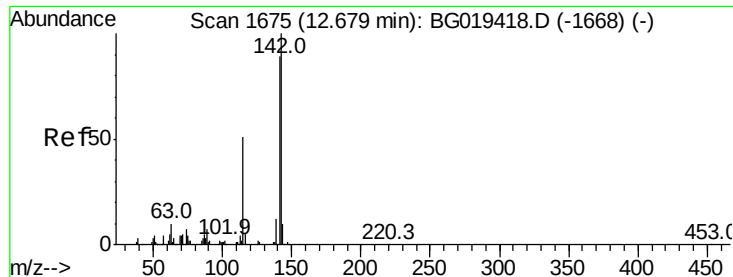
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#28
 Naphthalene
 Concen: 396.00 ng/ul m
 RT: 11.13 min Scan# 1412
 Delta R.T. 0.05 min
 Lab File: BG019421.D
 Acq: 29 Oct 2015 17:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	17.5	8.9	13.3#
127	21.3	13.1	19.7#





#34

2-Methylnaphthalene

Concen: 286.57 ng/ul

RT: 12.72 min Scan# 1682

Delta R.T. 0.04 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

ClientSampleId :

E5LK7

Tot Ion:142 Resp: 2181463

Ion Ratio Lower Upper

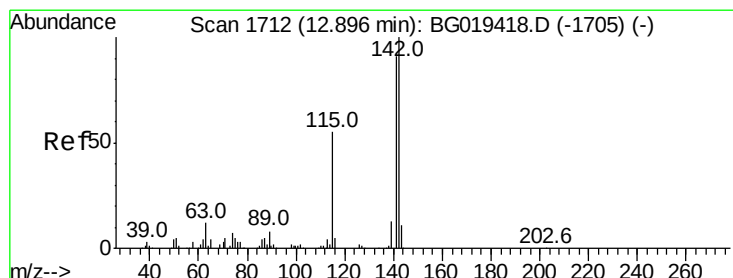
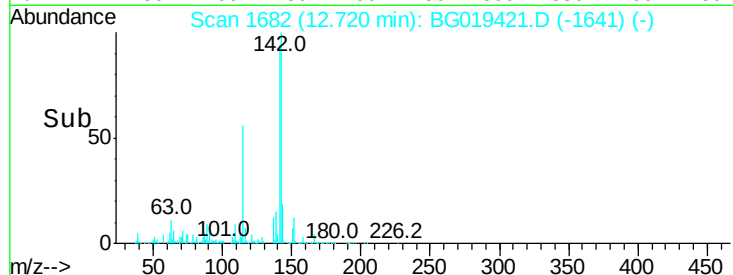
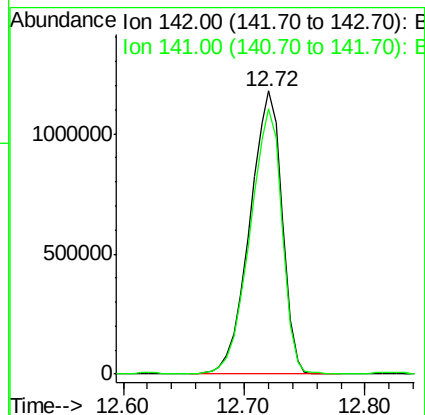
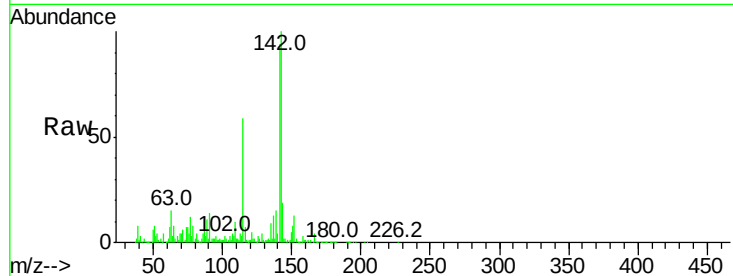
142 100

141 93.9 73.4 110.2

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#35

1-Methylnaphthalene

Concen: 189.56 ng/ul

RT: 12.94 min Scan# 1719

Delta R.T. 0.04 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

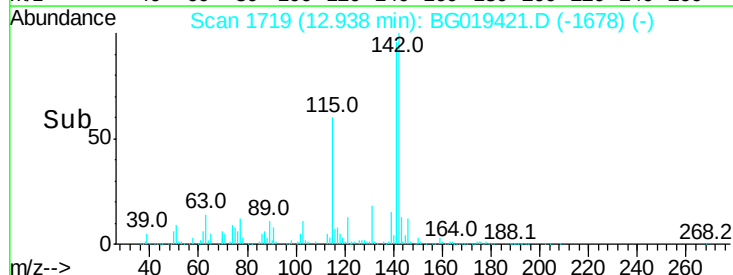
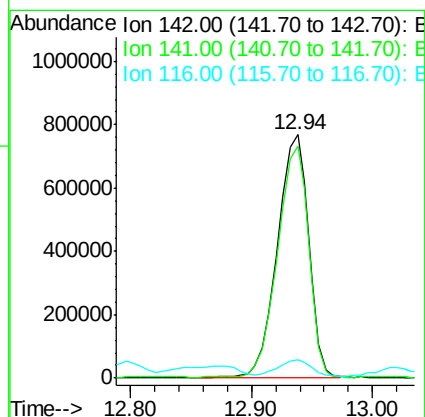
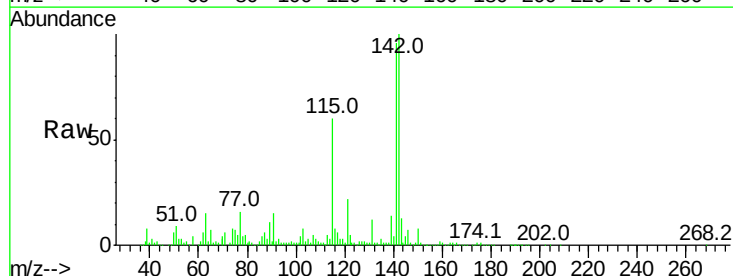
Tgt Ion:142 Resp: 1365293

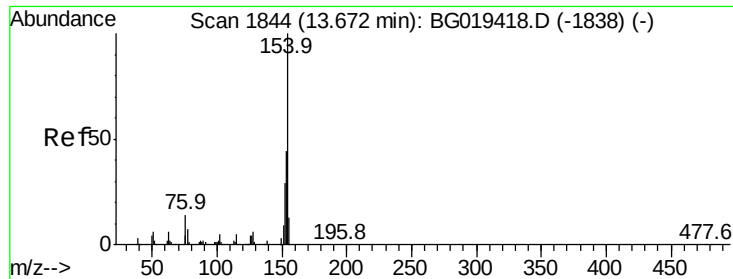
Ion Ratio Lower Upper

142 100

141 95.6 76.5 114.7

116 7.5 5.4 8.0





#41

1,1'-Biphenyl

Concen: 74.45 ng/ul m

RT: 13.70 min Scan# 1849

Delta R.T. 0.03 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

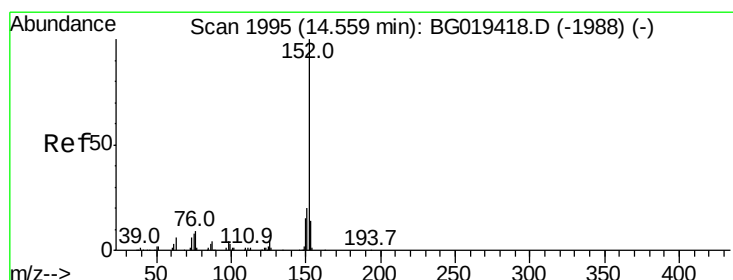
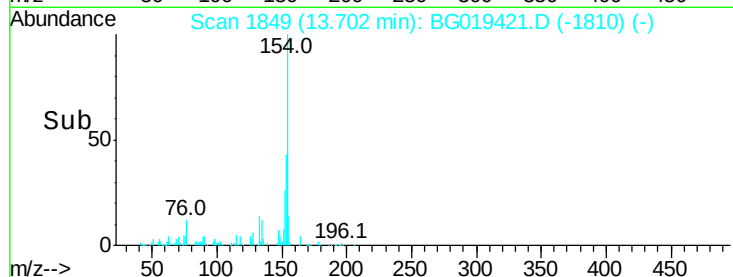
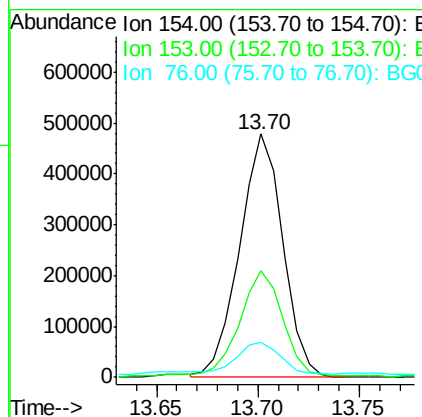
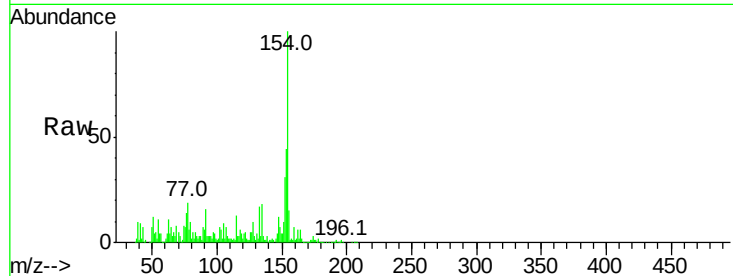
ClientSampleId :

E5LK7

Tot Ion	Ratio	Resp	Lower	Upper
154	100	709177		
153	43.7		32.8	49.2
76	14.5		7.7	11.5#

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#48

Acenaphthylene

Concen: 20.37 ng/ul m

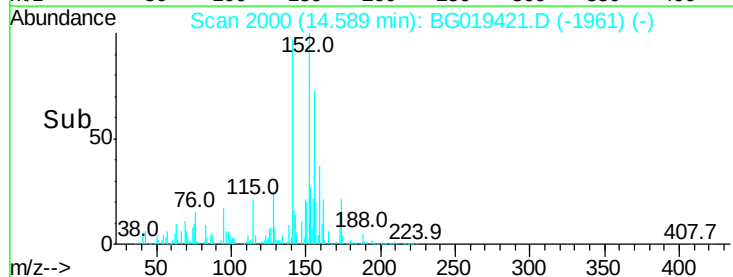
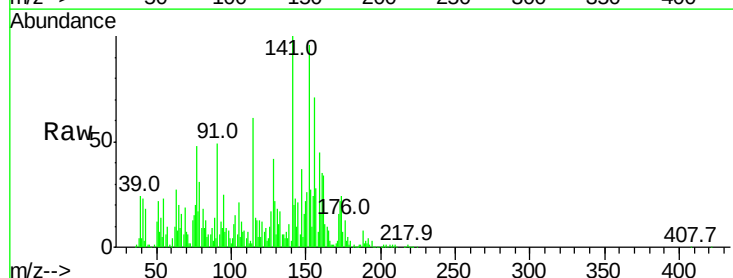
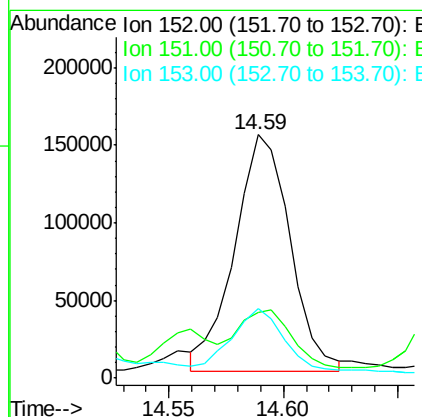
RT: 14.59 min Scan# 2000

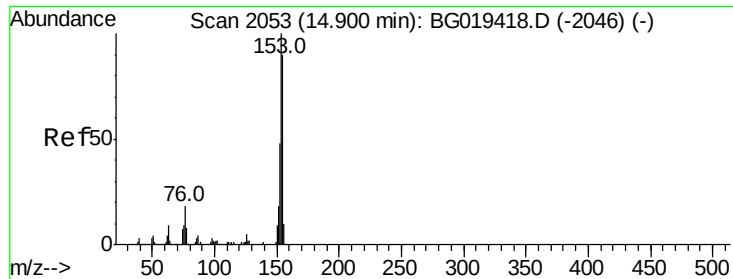
Delta R.T. 0.03 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	256794		
151	27.2		16.9	25.3#
153	28.7		10.8	16.2#





#50

Acenaphthene

Concen: 25.94 ng/ul

RT: 14.92 min Scan# 2057

Delta R.T. 0.02 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

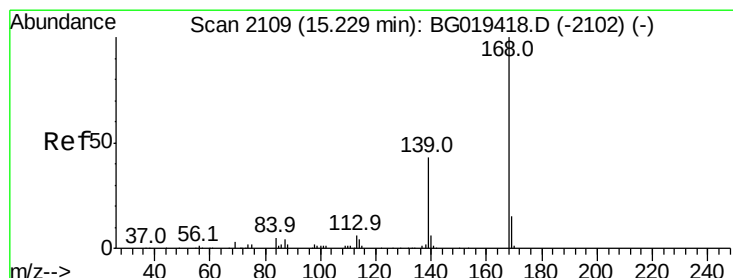
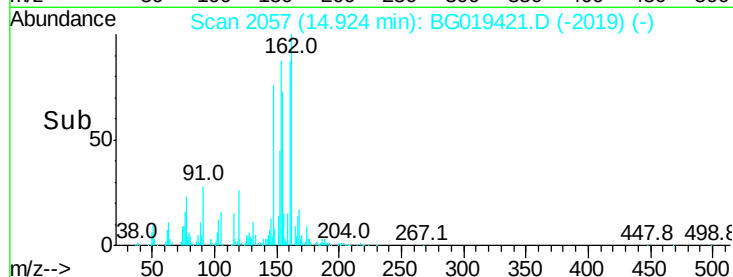
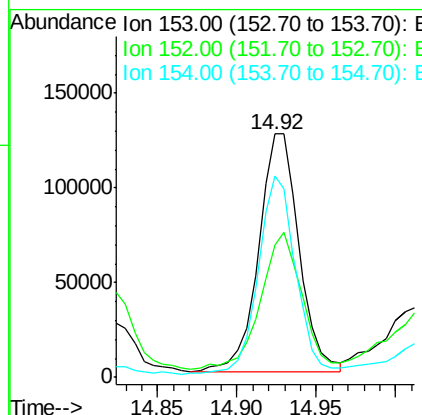
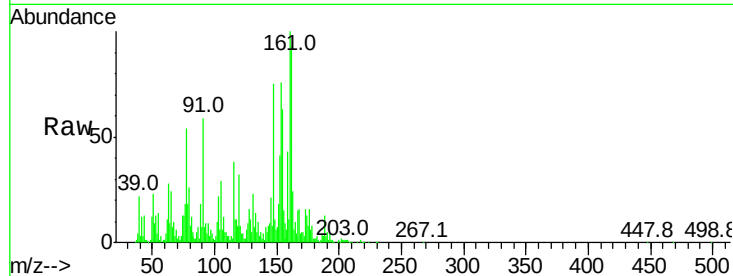
ClientSampleId :

E5LK7

Tot Ion:	153	Resp:	220832
Ion Ratio	Lower	Upper	
153	100		
152	54.1	38.8	58.2
154	82.5	71.5	107.3

Manual Integrations
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#54

Dibenzofuran

Concen: 86.12 ng/ul m

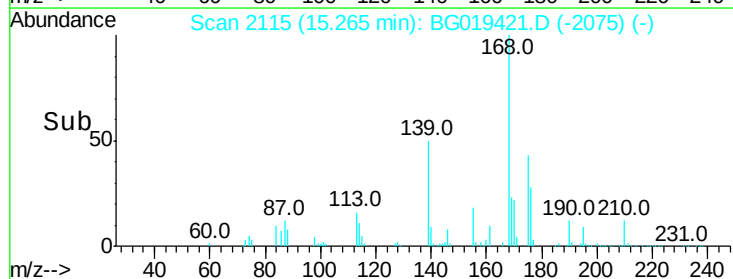
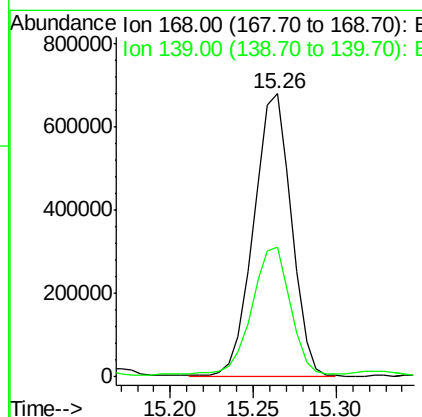
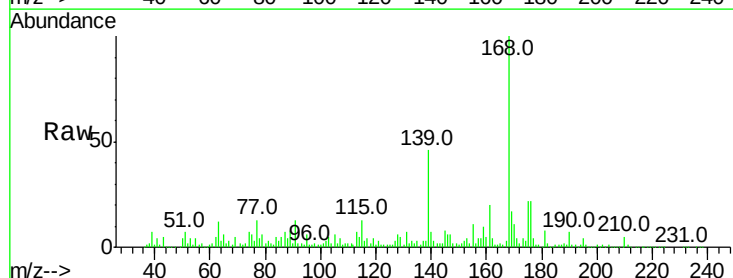
RT: 15.26 min Scan# 2115

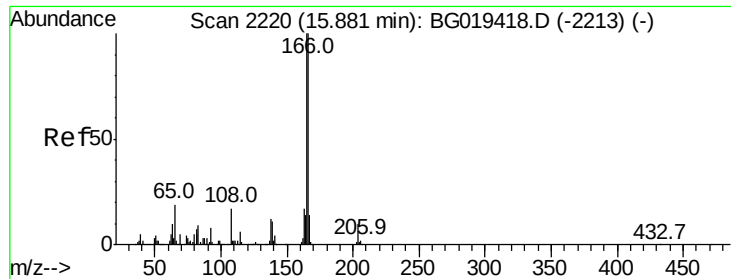
Delta R.T. 0.04 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tgt Ion:	168	Resp:	1079676
Ion Ratio	Lower	Upper	
168	100		
139	45.7	32.4	48.6





#59

Fluorene

Concen: 69.50 ng/ul m

RT: 15.91 min Scan# 2225

Delta R.T. 0.03 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

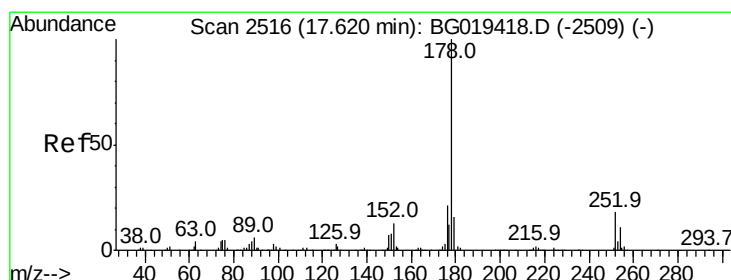
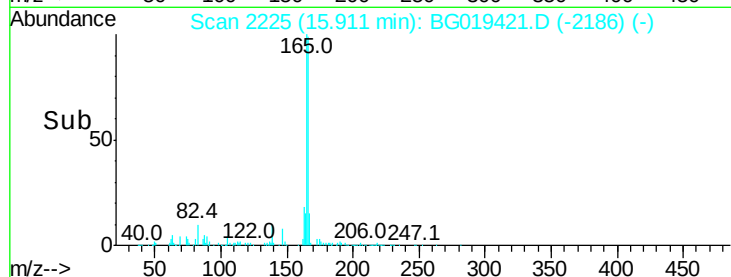
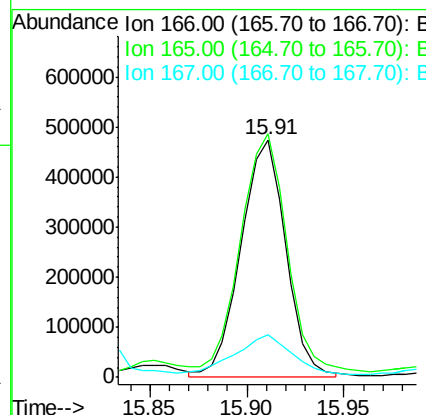
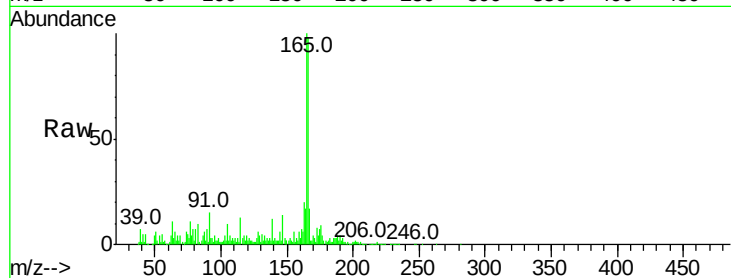
ClientSampleId :

E5LK7

Tot Ion:	166	Resp:	760044
Ion Ratio	Lower	Upper	
166	100		
165	102.5	77.6	116.4
167	17.8	9.6	14.4#

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#70

Phenanthrene

Concen: 92.04 ng/ul m

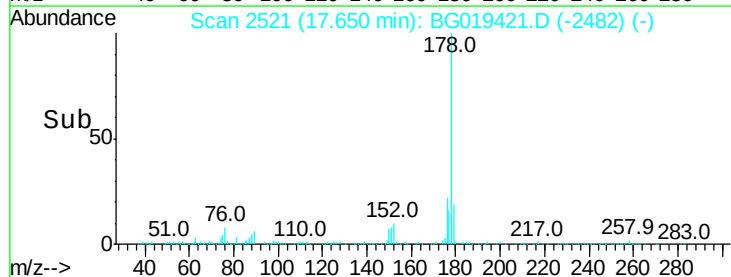
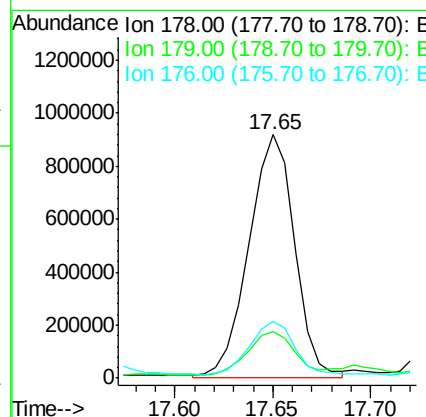
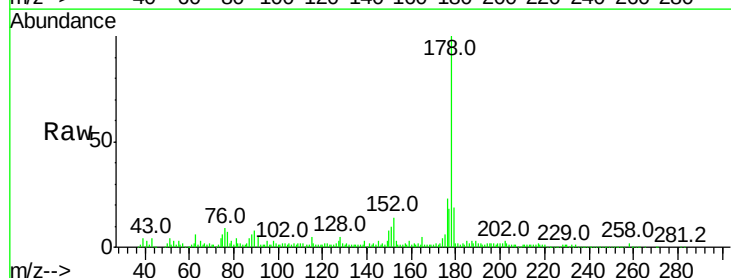
RT: 17.65 min Scan# 2521

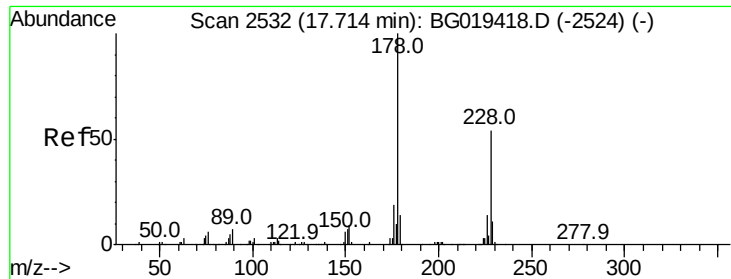
Delta R.T. 0.03 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tgt Ion:	178	Resp:	1495697
Ion Ratio	Lower	Upper	
178	100		
179	19.3	12.6	18.8#
176	23.4	14.3	21.5#





#72

Anthracene

Concen: 21.78 ng/ul m

RT: 17.74 min Scan# 2536

Delta R.T. 0.02 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

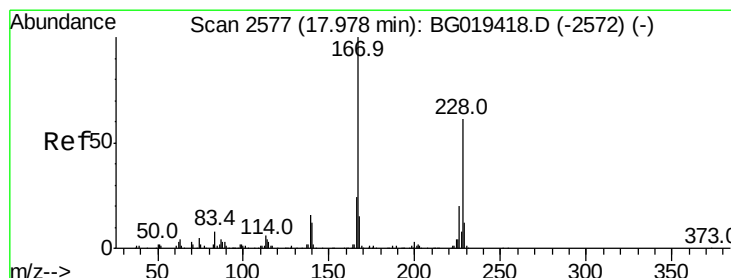
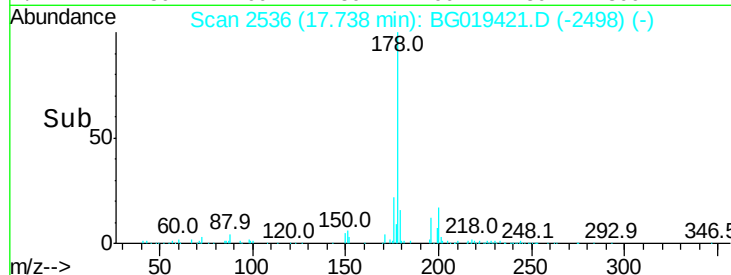
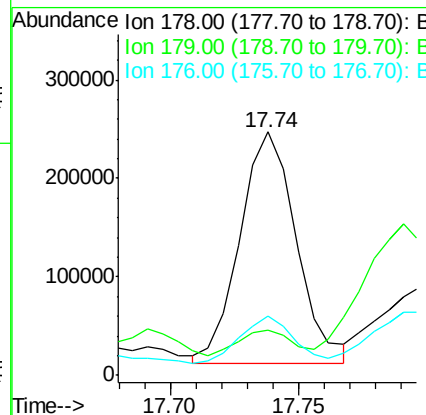
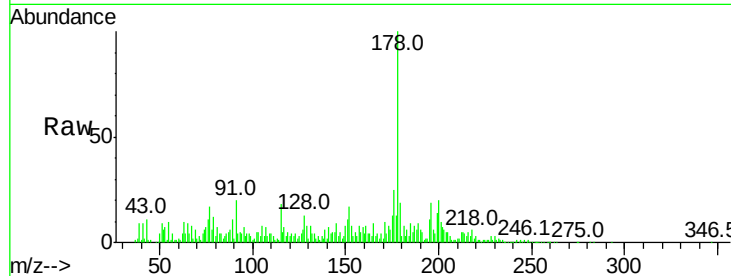
ClientSampleId :

E5LK7

Tot Ion:	178	Resp:	360724
Ion Ratio	Lower	Upper	
178	100		
179	18.6	11.6	17.4#
176	24.6	14.2	21.4#

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#75

Carbazole

Concen: 7.27 ng/ul m

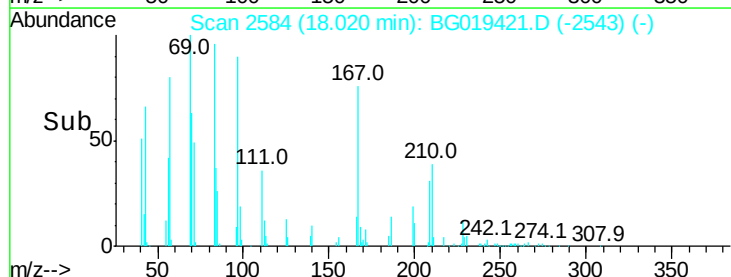
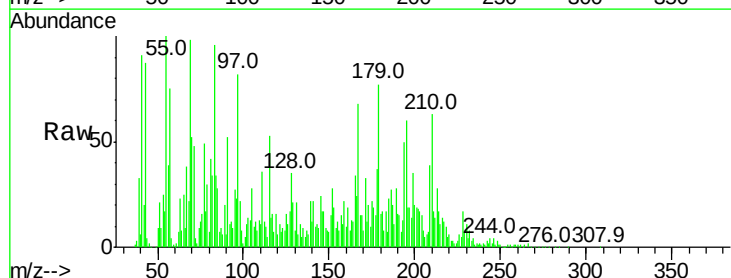
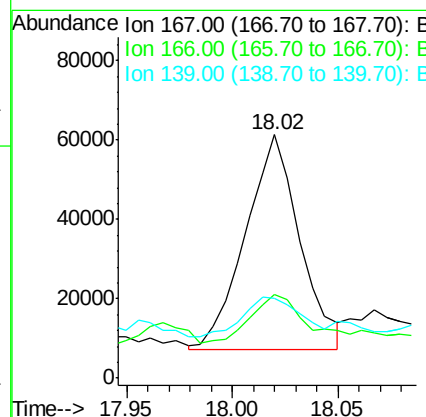
RT: 18.02 min Scan# 2584

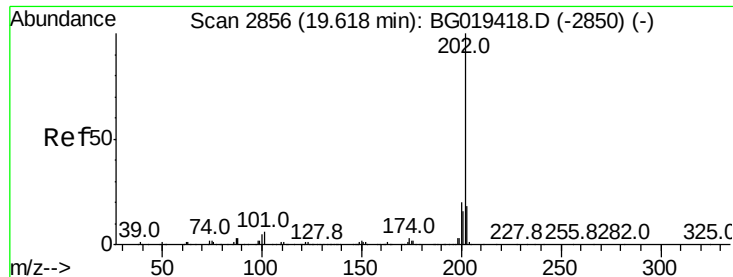
Delta R.T. 0.04 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tgt Ion:	167	Resp:	96107
Ion Ratio	Lower	Upper	
167	100		
166	34.6	16.8	25.2#
139	32.7	9.8	14.6#





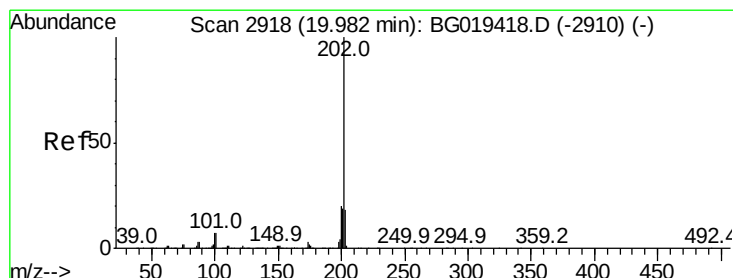
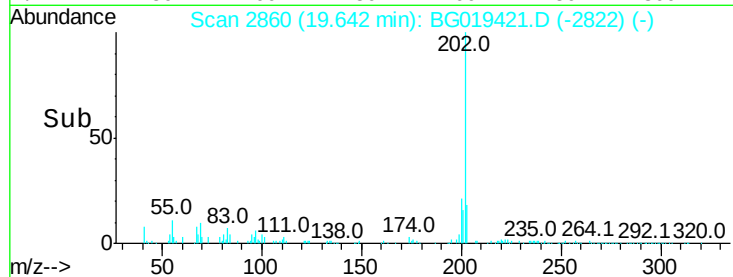
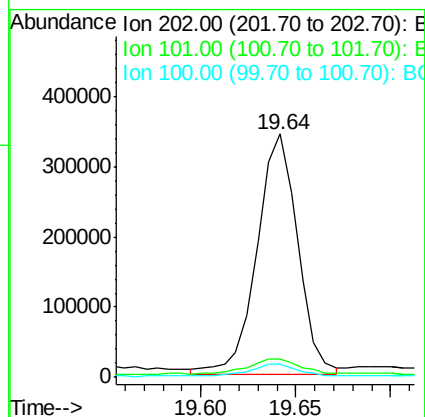
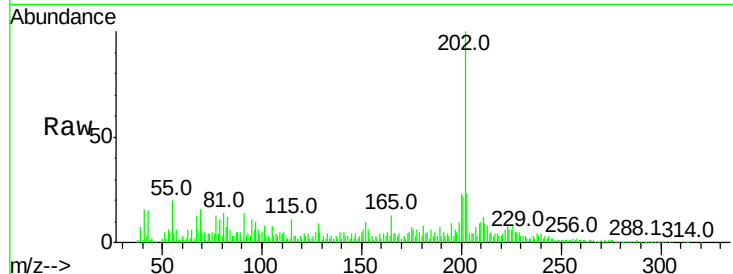
#77
Fluoranthene
Concen: 24.15 ng/ul m
RT: 19.64 min Scan# 2860
Delta R.T. 0.02 min
Lab File: BG019421.D
Acq: 29 Oct 2015 17:28

Instrument :
BNA_G
ClientSampleId :
E5LK7

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	7.7	4.0	6.0#	
100	5.2	3.6	5.4	

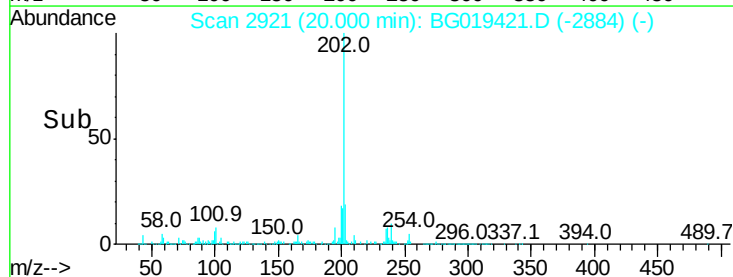
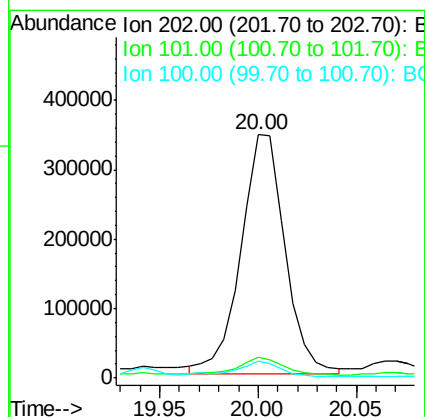
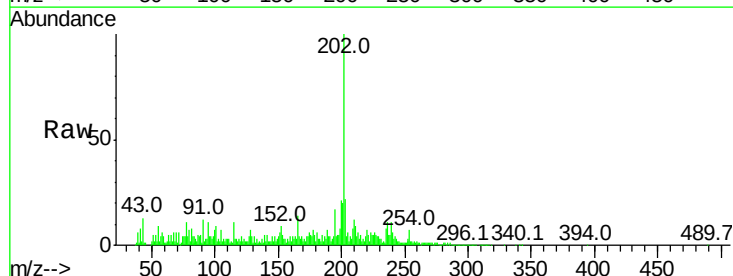
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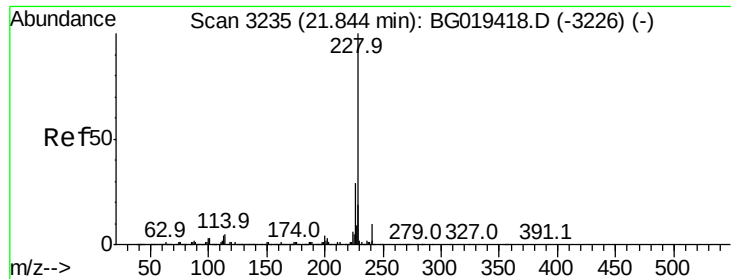
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#80
Pyrene
Concen: 24.26 ng/ul m
RT: 20.00 min Scan# 2921
Delta R.T. 0.02 min
Lab File: BG019421.D
Acq: 29 Oct 2015 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	8.7	4.3	6.5#	
100	6.8	3.6	5.4#	





#83

Benzo(a)anthracene

Concen: 6.28 ng/ul m

RT: 21.88 min Scan# 3241

Delta R.T. 0.04 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Instrument :

BNA_G

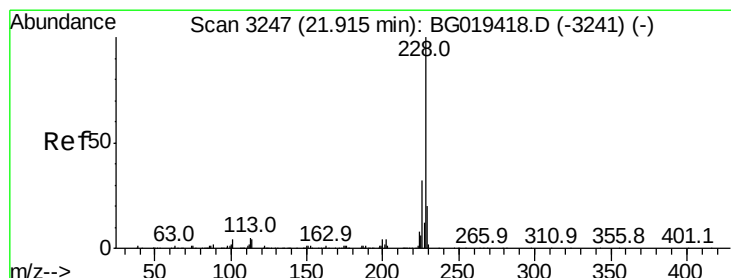
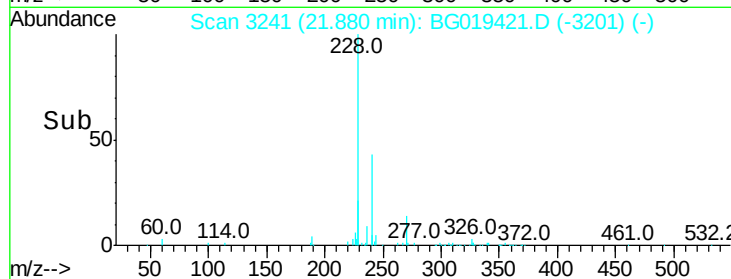
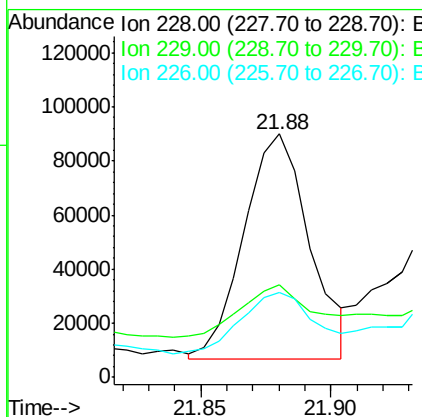
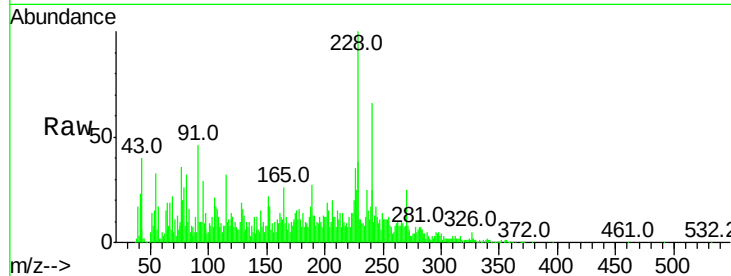
ClientSampleId :

E5LK7

Tot Ion	Ratio	Lower	Upper
228	100		
229	38.2	15.8	23.8#
226	34.8	21.8	32.6#

Manual Integrations
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#85

Chrysene

Concen: 7.75 ng/ul m

RT: 21.94 min Scan# 3252

Delta R.T. 0.03 min

Lab File: BG019421.D

Acq: 29 Oct 2015 17:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.0	24.6	36.8#
229	35.9	17.3	25.9#

