

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102115\
 Data File : BG019305.D
 Acq On : 22 Oct 2015 6:50
 Operator : UM/NP
 Sample : G3996-18RX
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7RX

Manual Integrations
 APPROVED

MMdadoda
 10/22/2015 4:56:00 PM

Quant Time: Oct 22 10:30:35 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 21 01:23:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	31215	20.00	ng/ul	0.02
18) Naphthalene-d8	10.85	136	149957	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.67	164	81326	20.00	ng/ul	0.05
62) Phenanthrene-d10	17.52	188	118313	20.00	ng/ul	0.15
78) Chrysene-d12	21.70	240	203322	20.00	ng/ul	0.06
86) Perylene-d12	24.95	264	203020	20.00	ng/ul	0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	7227	12.89	ng/uL	-0.01
5) Phenol-d5	7.16	99	54	0.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	22184	12.65	ng/ul	0.02
9) 2-Chlorophenol-d4	7.56	132	27438	13.82	ng/ul	0.04
13) 4-Methylphenol-d8	8.72	113	185	0.08	ng/ul	0.01
19) Nitrobenzene-d5	9.21	128	19653	17.01	ng/ul	0.05
22) 2-Nitrophenol-d4	9.92	143	16847	13.74	ng/ul	0.04
26) 2,4-Dichlorophenol-d3	10.53	165	30884	12.72	ng/ul	0.11
29) 4-Chloroaniline-d4	10.95	131	85507m	27.34	ng/ul	0.02
44) Dimethylphthalate-d6	14.07	166	13046	1.83	ng/ul	0.04
47) Acenaphthylene-d8	14.37	160	112272	14.60	ng/ul	0.05
52) 4-Nitrophenol-d4	14.90	143	4137	3.24	ng/ul	0.05
58) Fluorene-d10	15.67	176	149041	24.52	ng/ul	0.05
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.52	188	118313	21.17	ng/ul	0.05
79) Pyrene-d10	19.80	212	133713	14.50	ng/ul	0.05
90) Benzo(a)pyrene-d12	24.72	264	144482	14.09	ng/ul	0.11

Target Compounds

						Ovalue
6) Phenol	7.27	94	1038939	366.23	ng/ul#	74
11) 2-Methylphenol	8.54	108	1696283	761.79	ng/ul	97
14) Acetophenone	8.81	105	102862	26.40	ng/ul#	50
16) 4-Methylphenol	8.94	108	3351966	1341.76	ng/ul	97
24) 2,4-Dimethylphenol	10.11	107	3173272m	1005.32	ng/ul	
28) Naphthalene	10.91	128	2259150	288.22	ng/ul#	92
34) 2-Methylnaphthalene	12.52	142	1205231	193.97	ng/ul	99
35) 1-Methylnaphthalene	12.73	142	746015	122.60	ng/ul#	99
41) 1,1'-Biophenyl	13.51	154	364957	57.48	ng/ul	93
42) 2-Chloronaphthalene	13.50	162	33172m	6.76	ng/ul	
48) Acenaphthylene	14.40	152	130352	15.37	ng/ul#	79
50) Acenaphthene	14.74	153	109829	19.34	ng/ul	94
54) Dibenzofuran	15.08	168	510547m	63.62	ng/ul	
59) Fluorene	15.73	166	358079	52.14	ng/ul#	94
70) Phenanthrene	17.47	178	644452	97.55	ng/ul	93
72) Anthracene	17.56	178	162581m	24.22	ng/ul	
75) Carbazole	17.85	167	44467m	7.69	ng/ul	
77) Fluoranthene	19.47	202	197215m	23.85	ng/ul	
80) Pyrene	19.84	202	215806	17.88	ng/ul#	89
83) Benzo(a)anthracene	21.67	228	55037	4.79	ng/ul#	71
85) Chrysene	21.74	228	66737	6.14	ng/ul#	74
91) Benzo(a)pyrene	24.79	252	23159	2.09	ng/ul#	12

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102115\
Data File : BG019305.D
Acq On : 22 Oct 2015 6:50
Operator : UM/NP
Sample : G3996-18RX
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK7RX

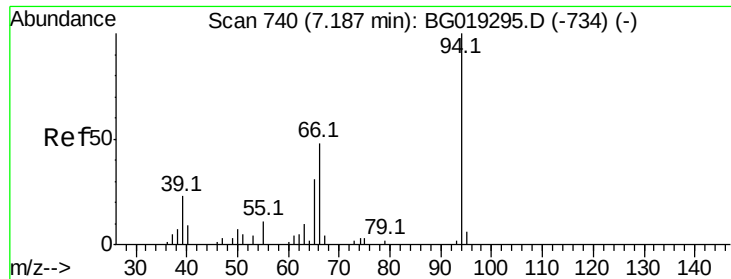
Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM

Quant Time: Oct 22 10:30:35 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 21 01:23:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#6

Phenol

Concen: 366.23 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. 0.07 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

ClientSampleId :

E5LK7RX

Tot Ion: 94 Resp: 1038939

Ion Ratio Lower Upper

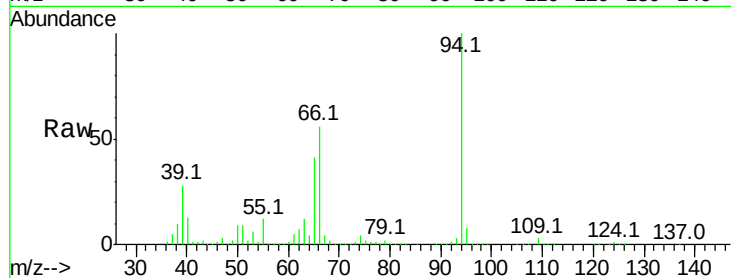
94 100

65 41.4 24.9 37.3#

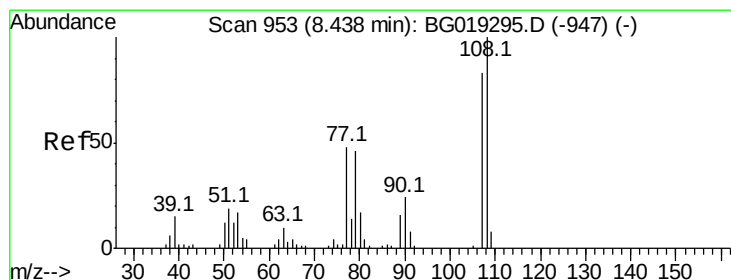
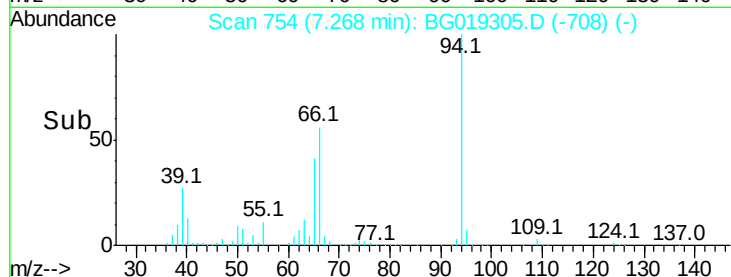
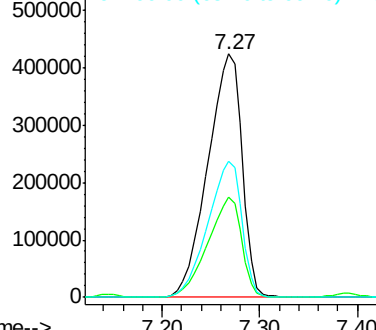
66 55.9 29.1 43.7#

Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM



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: 761.79 ng/ul

RT: 8.54 min Scan# 971

Delta R.T. 0.10 min

Lab File: BG019305.D

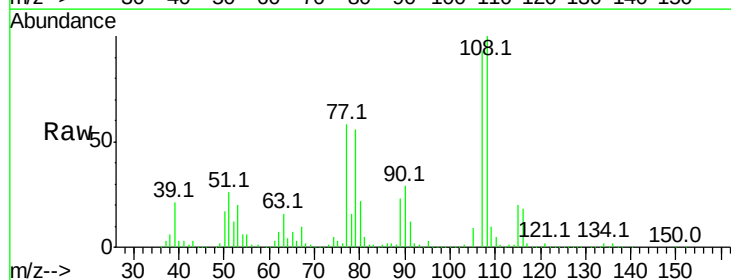
Acq: 22 Oct 2015 6:50

Tgt Ion:108 Resp: 1696283

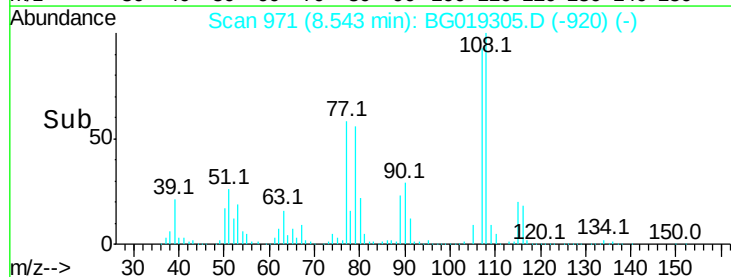
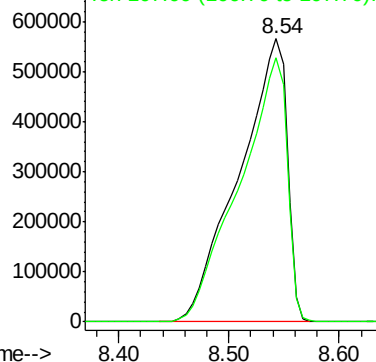
Ion Ratio Lower Upper

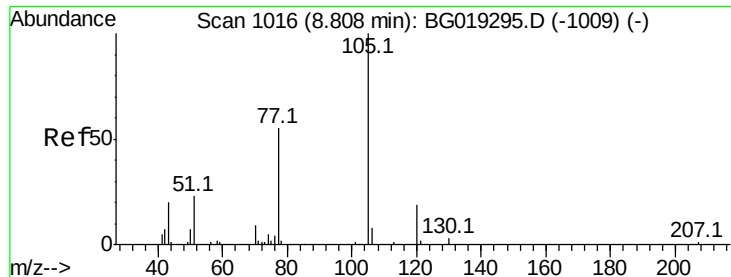
108 100

107 93.1 76.7 115.1



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





#14

Acetophenone

Concen: 26.40 ng/ul

RT: 8.81 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

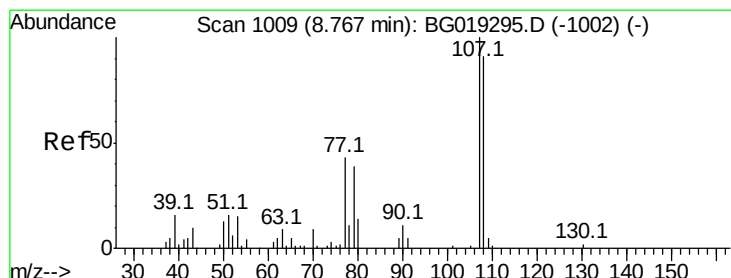
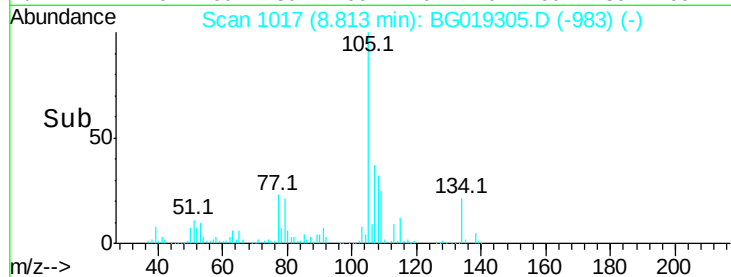
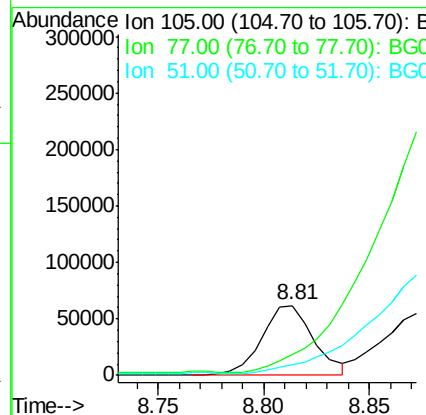
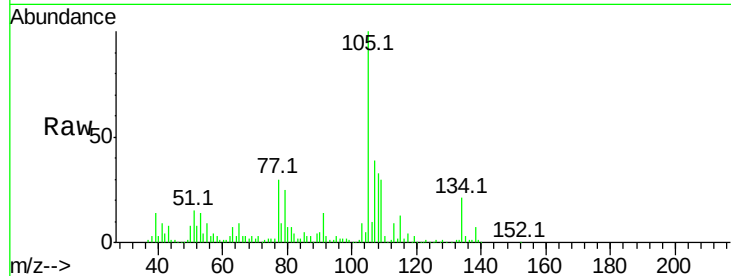
ClientSampleId :

E5LK7RX

Tot Ion:	105	Resp:	102862
Ion Ratio	Lower	Upper	
105	100		
77	29.6	63.8	95.6#
51	14.8	26.1	39.1#

Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM



#16

4-Methylphenol

Concen: 1341.76 ng/ul

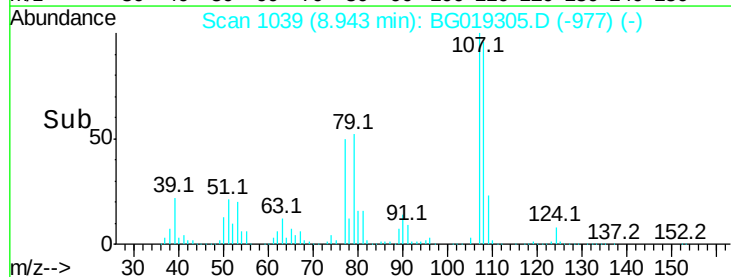
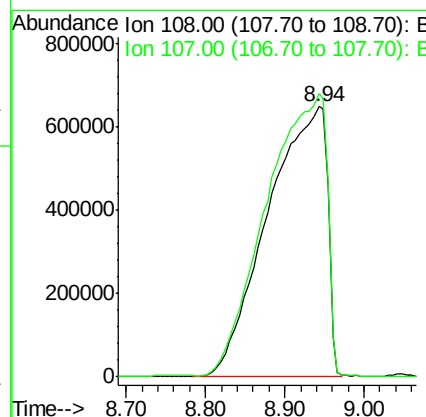
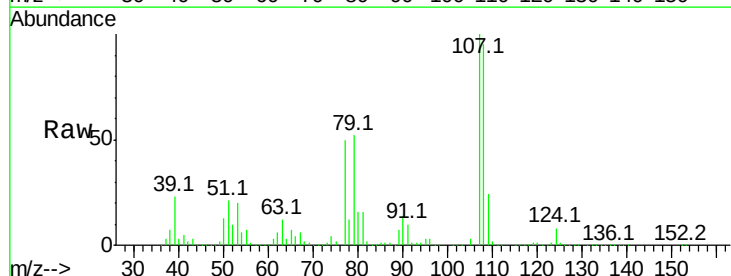
RT: 8.94 min Scan# 1039

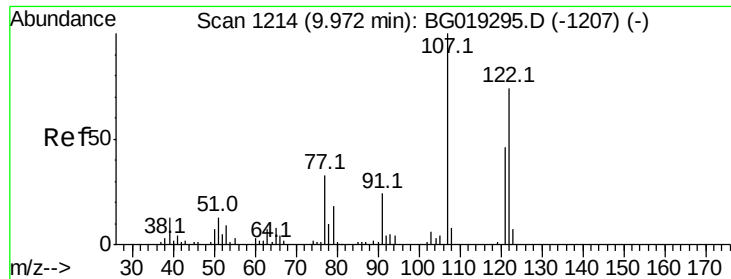
Delta R.T. 0.17 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Tgt Ion:	108	Resp:	3351966
Ion Ratio	Lower	Upper	
108	100		
107	104.7	86.6	130.0





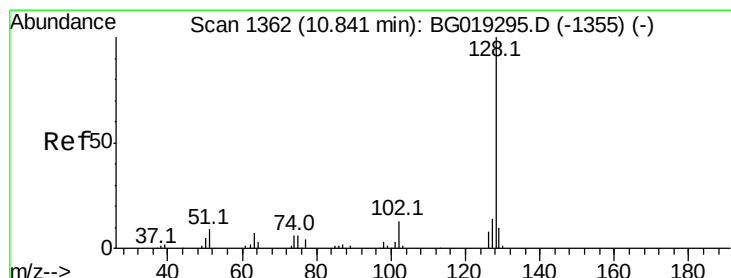
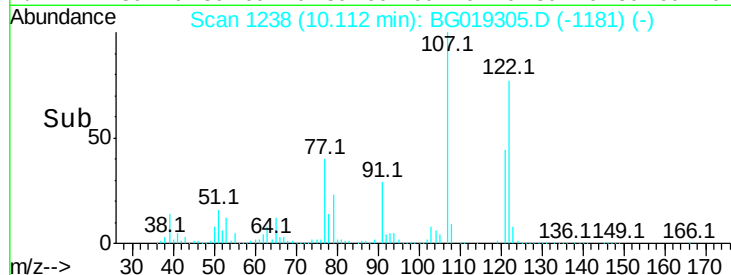
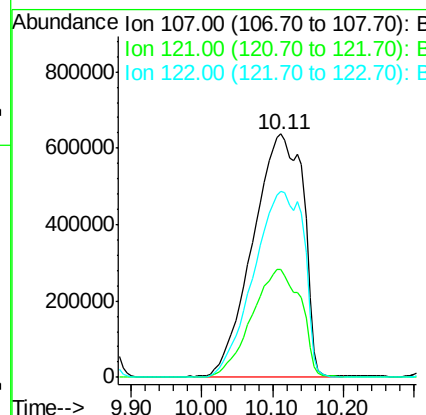
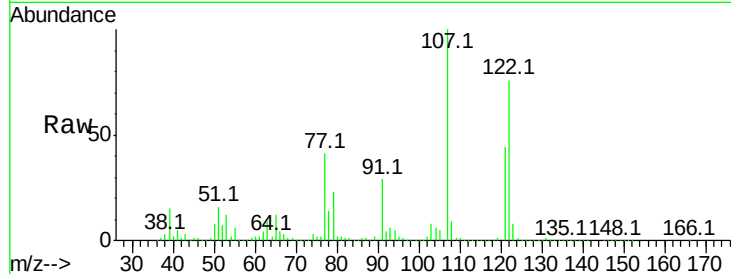
#24
2,4-Dimethylphenol
Concen: 1005.32 ng/ul m
RT: 10.11 min Scan# 1238
Delta R.T. 0.14 min
Lab File: BG019305.D
Acq: 22 Oct 2015 6:50

Instrument :
BNA_G
ClientSampleId :
E5LK7RX

Tot Ion:107 Resp: 3173272
Ion Ratio Lower Upper
107 100
121 44.1 37.2 55.8
122 76.5 67.6 101.4

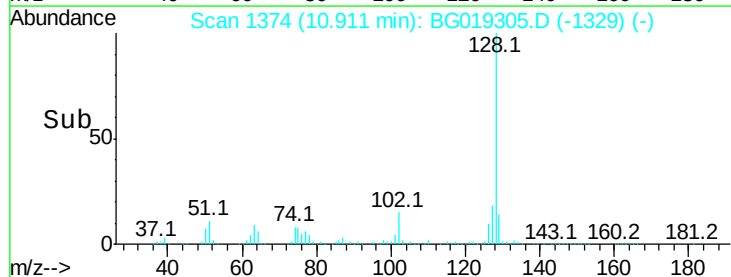
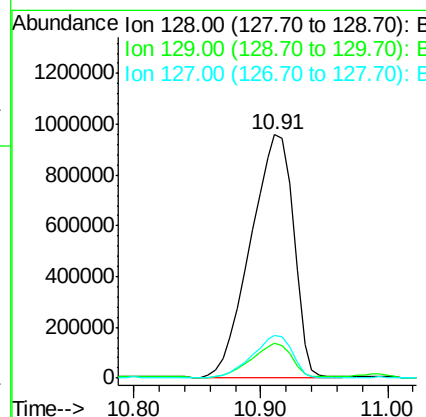
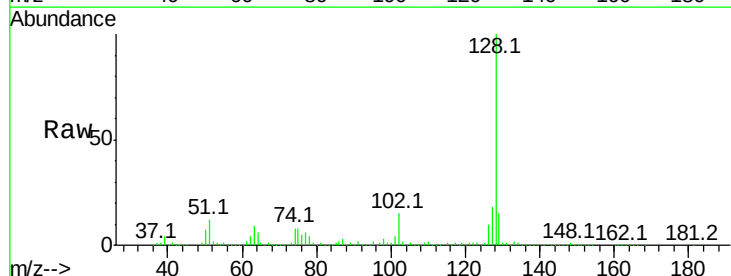
Manual Integrations
APPROVED

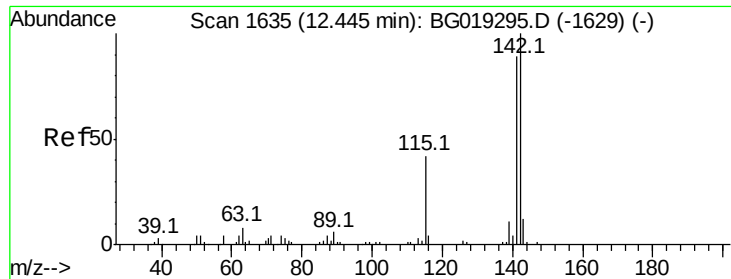
MMdadoda
10/22/2015 4:56:00 PM



#28
Naphthalene
Concen: 288.22 ng/ul
RT: 10.91 min Scan# 1374
Delta R.T. 0.07 min
Lab File: BG019305.D
Acq: 22 Oct 2015 6:50

Tgt Ion:128 Resp: 2259150
Ion Ratio Lower Upper
128 100
129 14.5 9.6 14.4#
127 17.8 11.3 16.9#





#34

2-Methylnaphthalene

Concen: 193.97 ng/ul

RT: 12.52 min Scan# 1648

Delta R.T. 0.07 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

ClientSampleId :

E5LK7RX

Tot Ion:142 Resp: 1205231

Ion Ratio Lower Upper

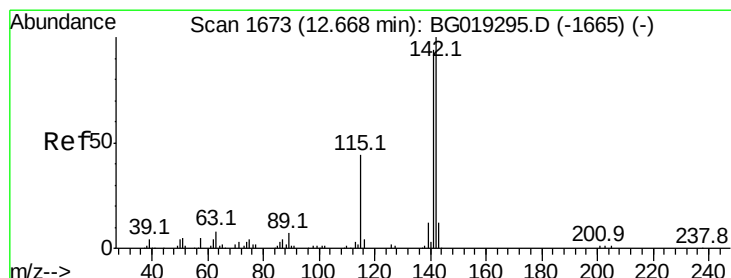
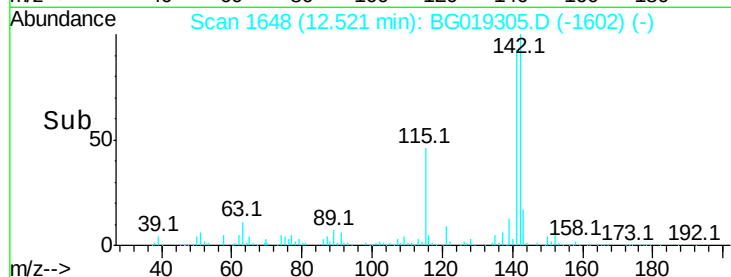
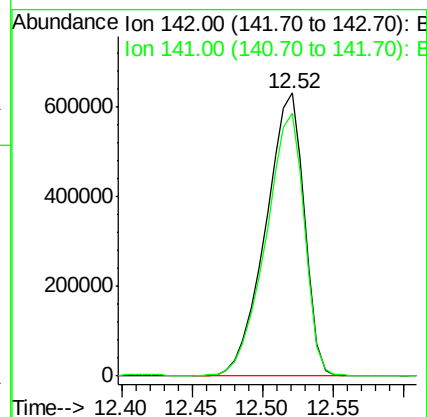
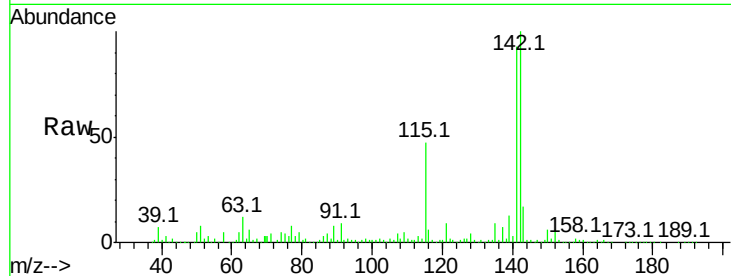
142 100

141 92.9 73.4 110.0

Manual Integrations
APPROVED

MMdadoda

10/22/2015 4:56:00 PM



#35

1-Methylnaphthalene

Concen: 122.60 ng/ul

RT: 12.73 min Scan# 1684

Delta R.T. 0.06 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

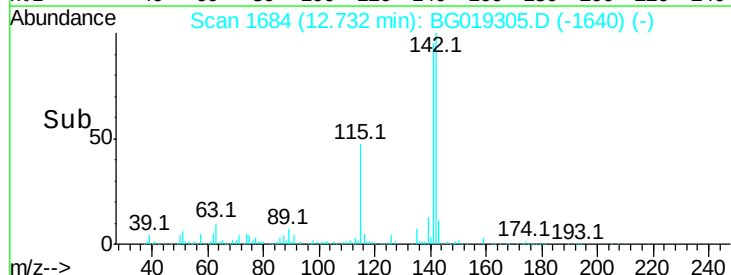
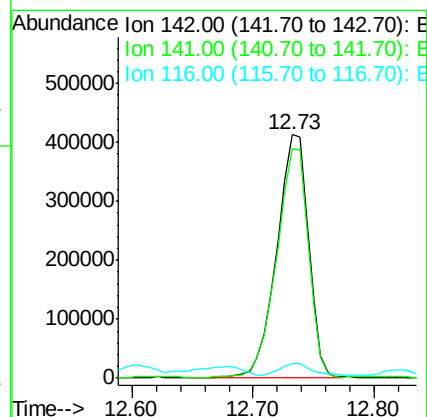
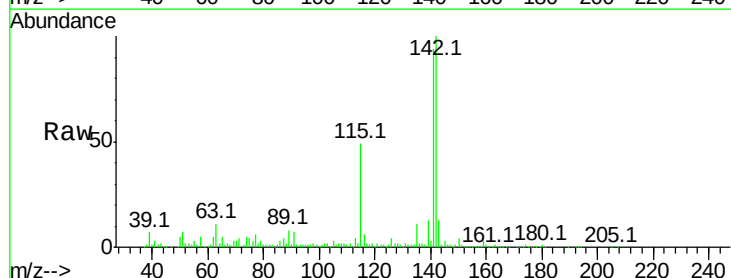
Tgt Ion:142 Resp: 746015

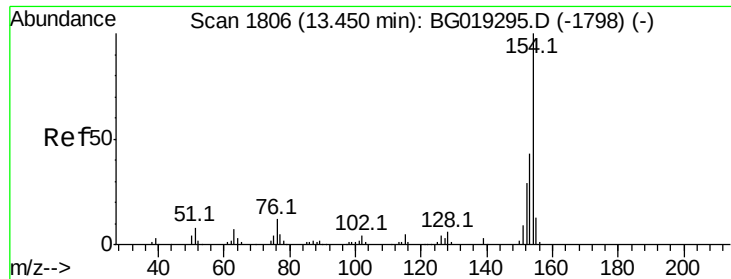
Ion Ratio Lower Upper

142 100

141 94.5 74.8 112.2

116 6.0 3.2 4.8#





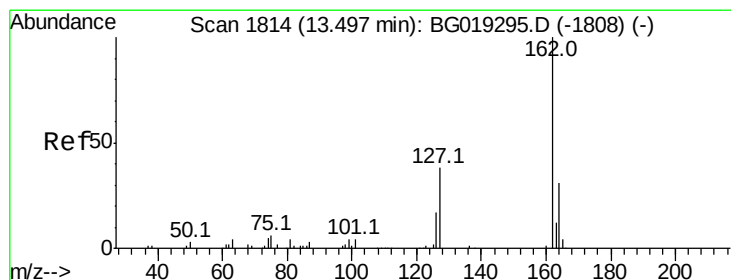
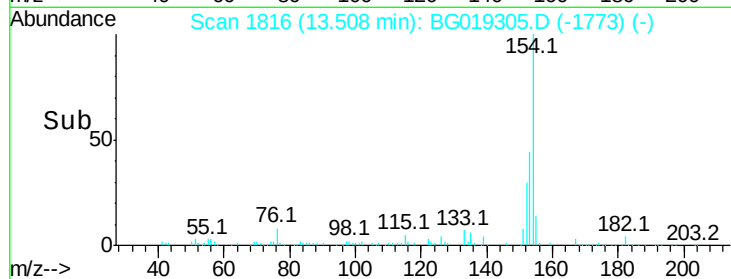
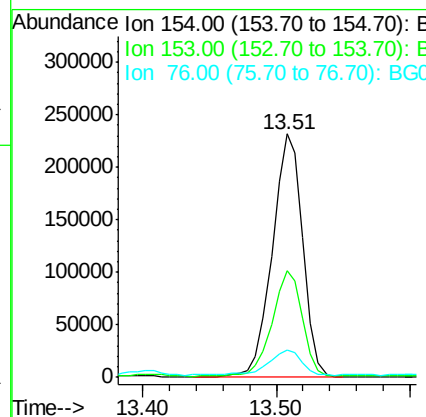
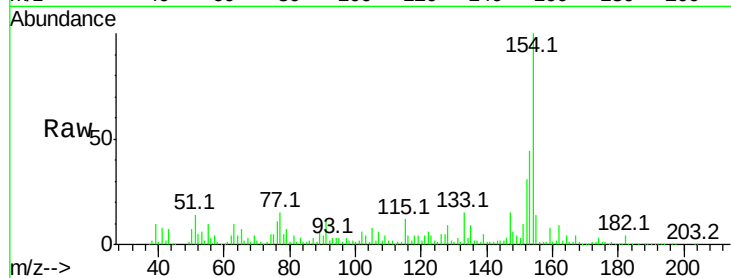
#41
 1,1'-Biphenyl
 Concen: 57.48 ng/ul
 RT: 13.51 min Scan# 1816
 Delta R.T. 0.05 min
 Lab File: BG019305.D
 Acq: 22 Oct 2015 6:50

Instrument :
 BNA_G
 ClientSampleId :
 E5LK7RX

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	44.0	31.4	47.0	
76	11.3	10.8	16.2	

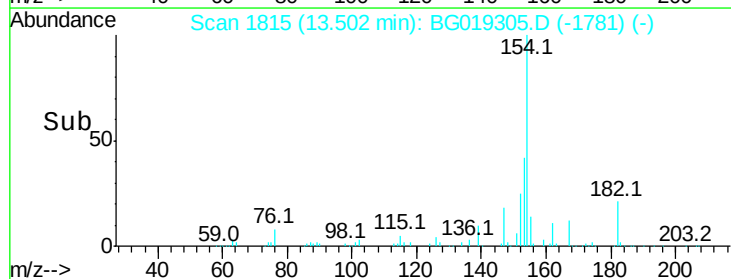
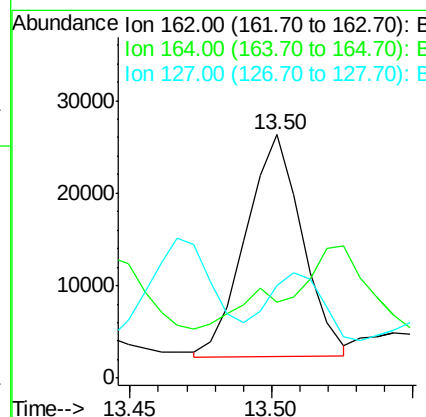
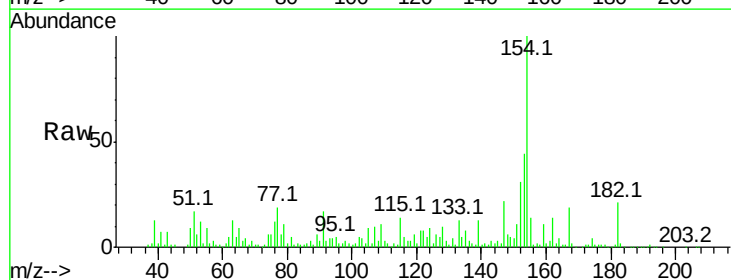
Manual Integrations
 APPROVED

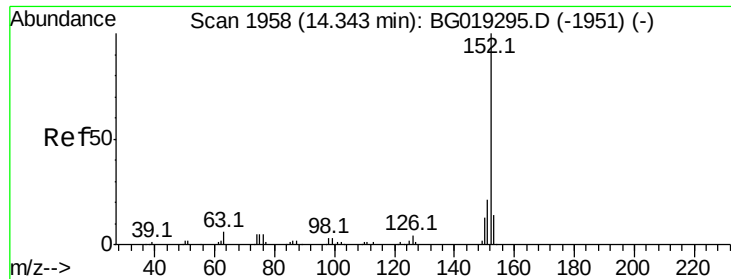
MMdadoda
 10/22/2015 4:56:00 PM



#42
 2-Chloronaphthalene
 Concen: 6.76 ng/ul m
 RT: 13.50 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BG019305.D
 Acq: 22 Oct 2015 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
164	31.1	25.8	38.8	
127	38.3	29.0	43.4	





#48

Acenaphthylene

Concen: 15.37 ng/ul

RT: 14.40 min Scan# 1968

Delta R.T. 0.05 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

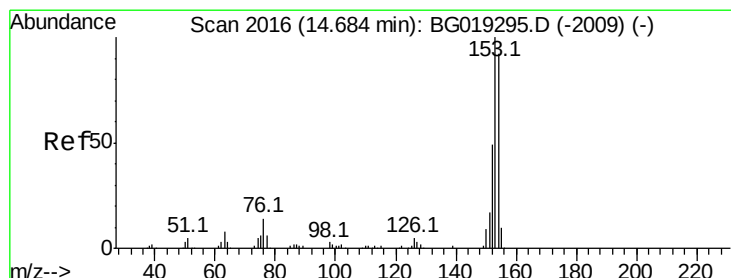
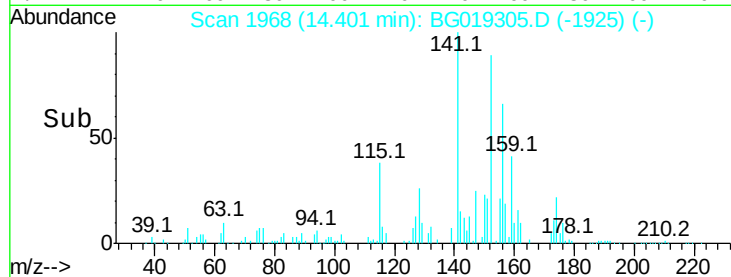
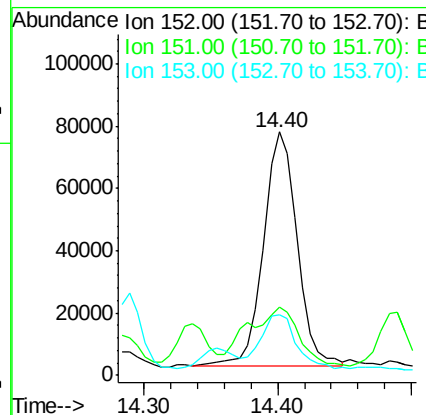
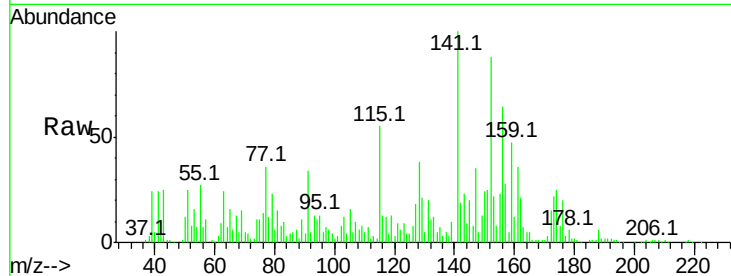
ClientSampleId :

E5LK7RX

Tot Ion	Ratio	Resp	Lower	Upper
152	100	130352		
151	28.3	16.6	25.0#	
153	25.0	10.5	15.7#	

Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM



#50

Acenaphthene

Concen: 19.34 ng/ul

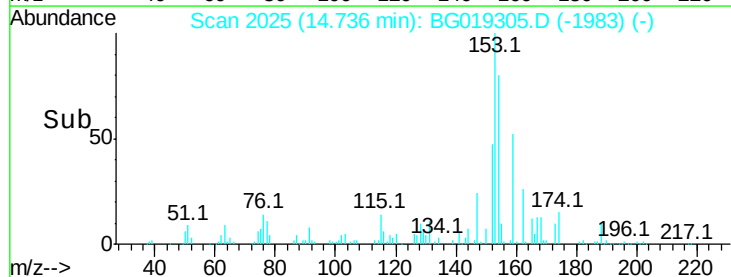
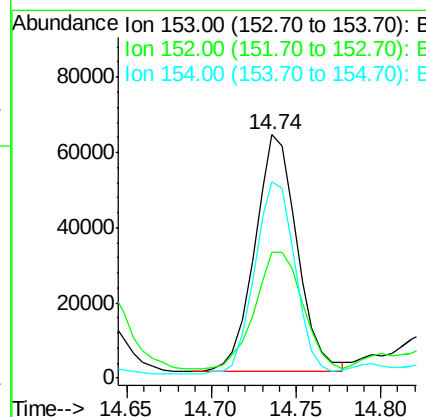
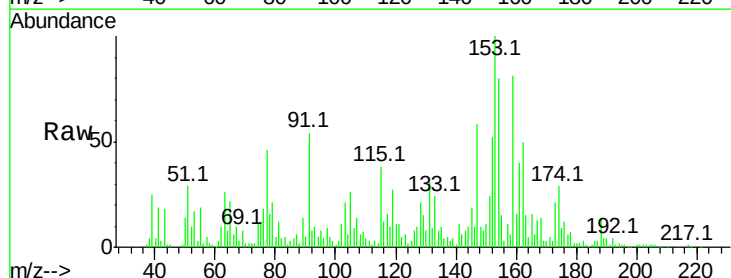
RT: 14.74 min Scan# 2025

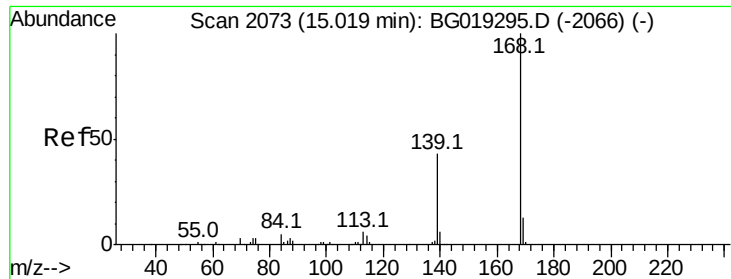
Delta R.T. 0.05 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	109829		
152	51.7	36.2	54.2	
154	80.4	67.5	101.3	





#54

Dibenzenofuran

Concen: 63.62 ng/ul m

RT: 15.08 min Scan# 2083

Delta R.T. 0.05 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

ClientSampleId :

E5LK7RX

Tot Ion:168 Resp: 510547

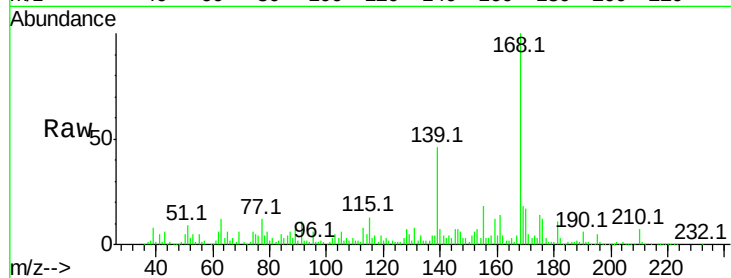
Ion Ratio Lower Upper

168 100

139 46.0 28.5 42.7#

Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.08

300000

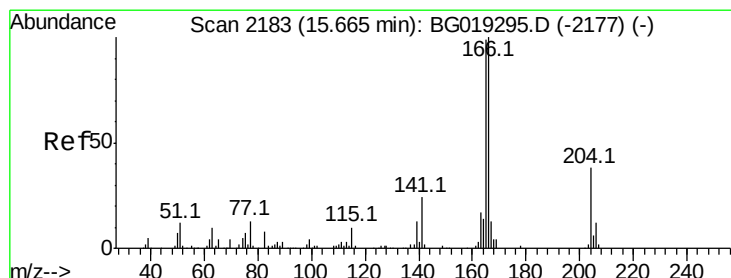
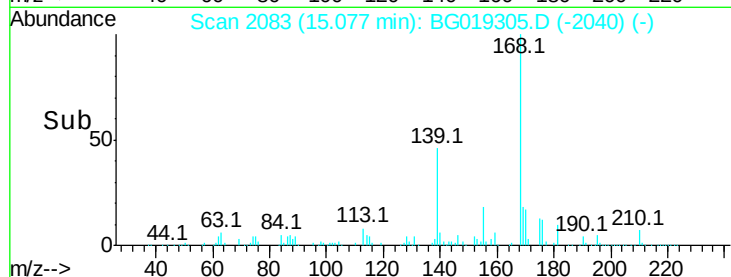
200000

100000

0

15.00 15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 52.14 ng/ul

RT: 15.73 min Scan# 2194

Delta R.T. 0.06 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

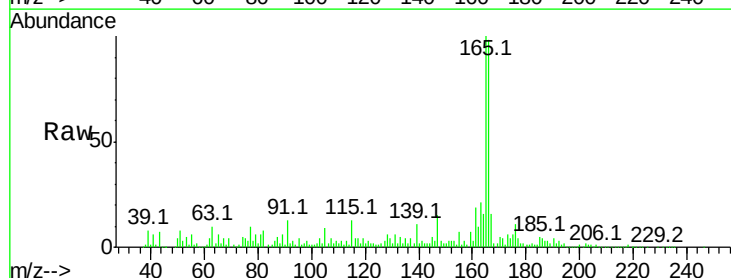
Tgt Ion:166 Resp: 358079

Ion Ratio Lower Upper

166 100

165 102.5 77.7 116.5

167 16.6 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

15.73

1500000

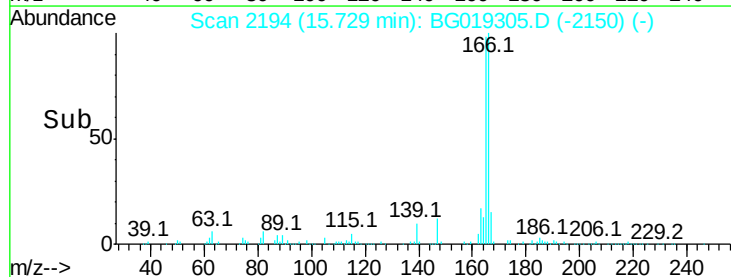
1000000

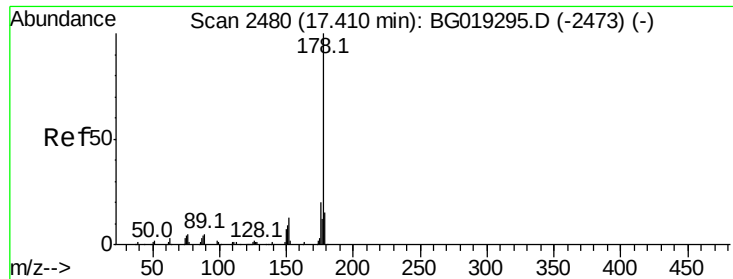
500000

0

15.65 15.70 15.75 15.80

Time-->





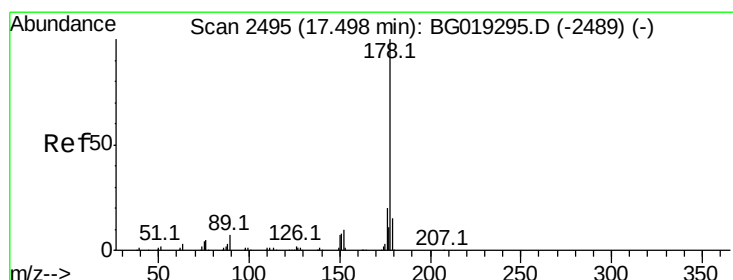
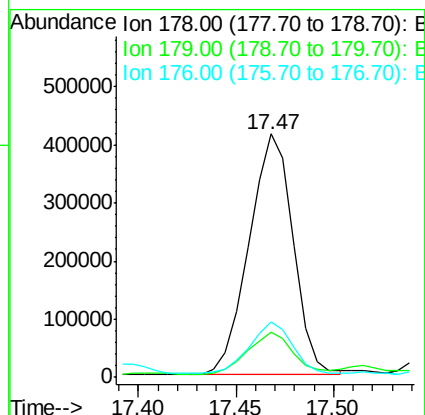
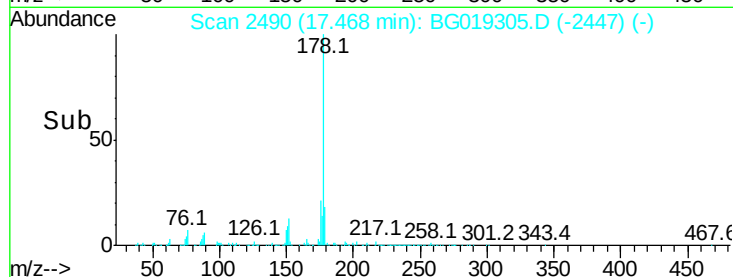
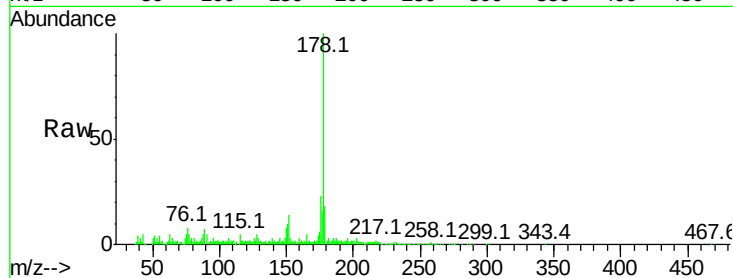
#70
Phenanthrene
Concen: 97.55 ng/ul
RT: 17.47 min Scan# 2490
Delta R.T. 0.05 min
Lab File: BG019305.D
Acq: 22 Oct 2015 6:50

Instrument :
BNA_G
ClientSampleId :
E5LK7RX

Tot Ion	Ratio	Lower	Upper
178	100		
179	18.3	12.5	18.7
176	22.5	15.4	23.0

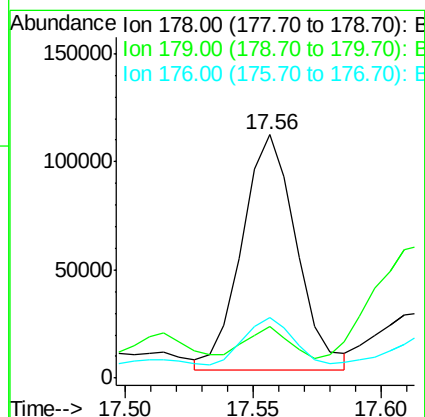
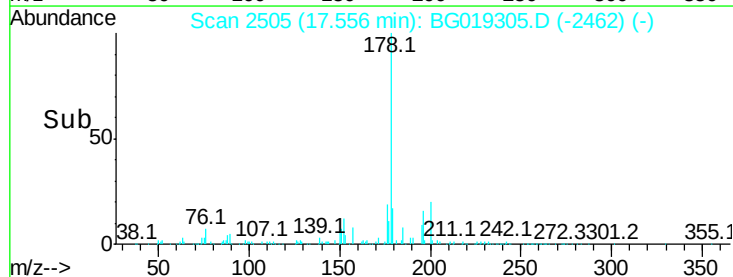
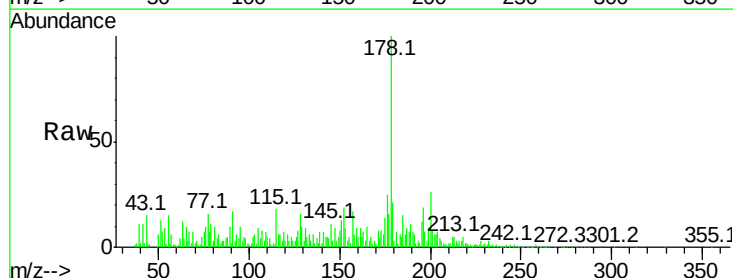
Manual Integrations
APPROVED

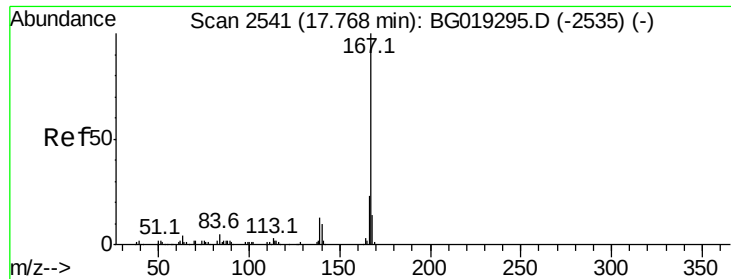
MMdadoda
10/22/2015 4:56:00 PM



#72
Anthracene
Concen: 24.22 ng/ul m
RT: 17.56 min Scan# 2505
Delta R.T. 0.05 min
Lab File: BG019305.D
Acq: 22 Oct 2015 6:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	21.0	12.2	18.4#
176	24.7	15.0	22.6#





#75

Carbazole

Concen: 7.69 ng/ul m

RT: 17.85 min Scan# 2555

Delta R.T. 0.07 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

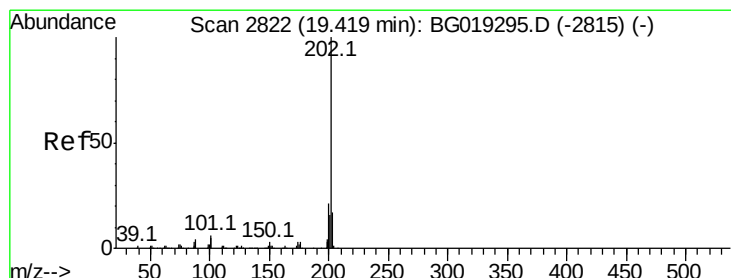
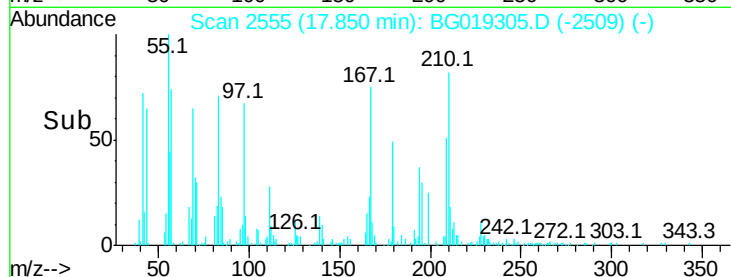
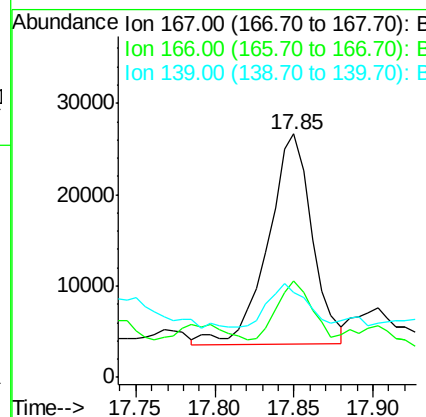
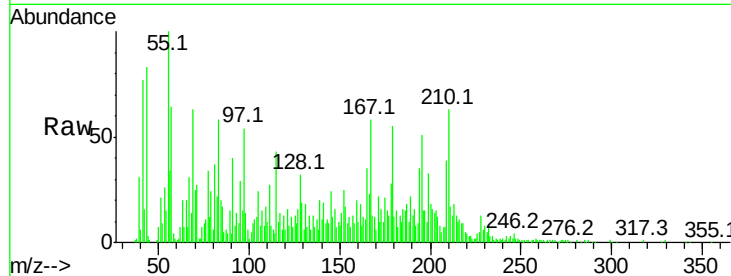
ClientSampleId :

E5LK7RX

Tot Ion	Ratio	Lower	Upper
167	100		
166	39.5	18.6	27.8#
139	34.9	9.8	14.8#

Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM



#77

Fluoranthene

Concen: 23.85 ng/ul m

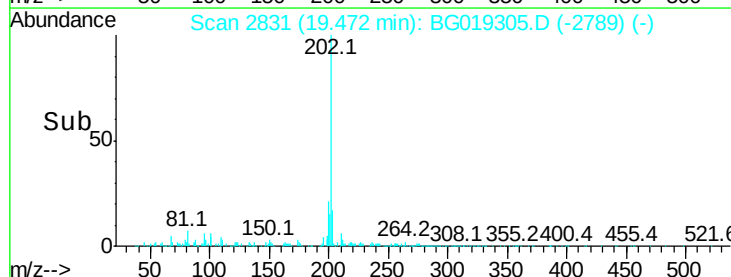
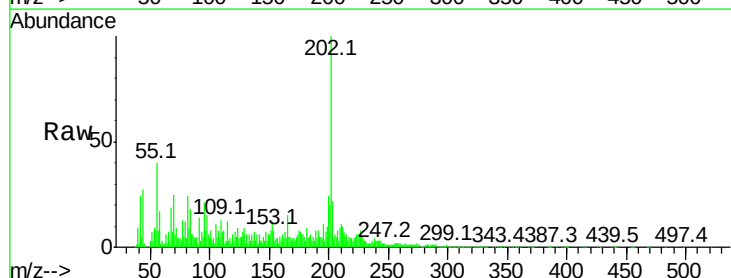
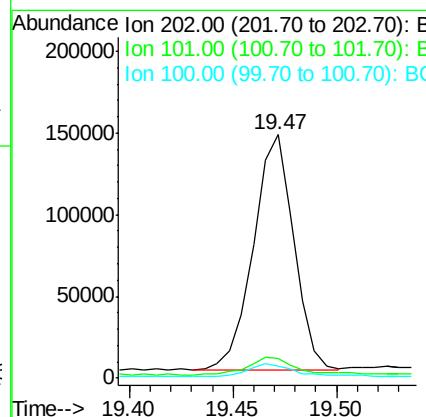
RT: 19.47 min Scan# 2831

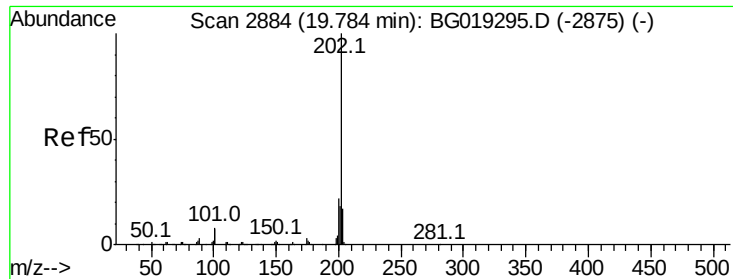
Delta R.T. 0.05 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	9.0	13.4#
100	5.0	6.9	10.3#





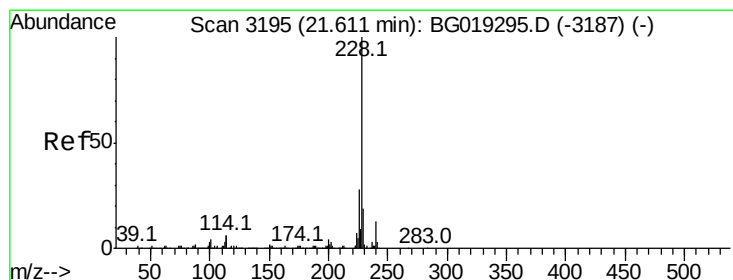
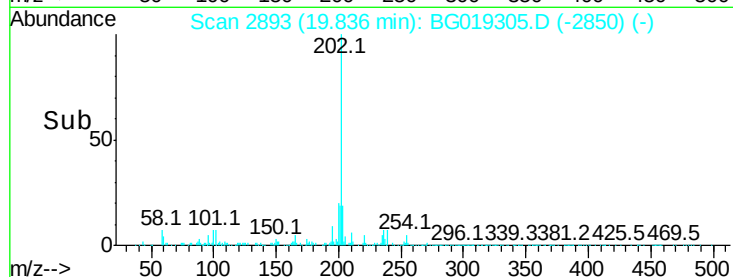
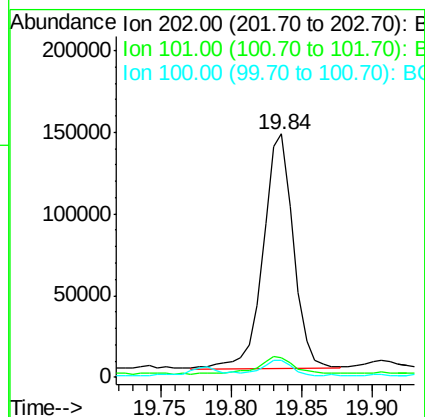
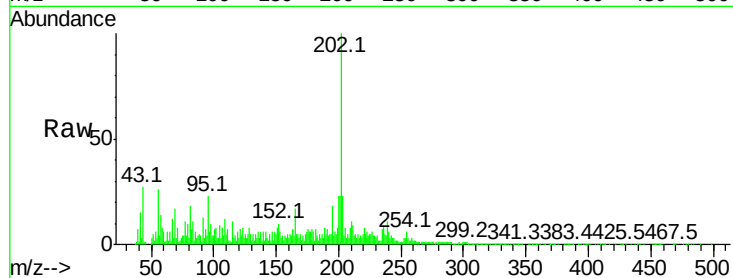
#80
Pvrene
Concen: 17.88 ng/ul
RT: 19.84 min Scan# 2893
Delta R.T. 0.05 min
Lab File: BG019305.D
Acq: 22 Oct 2015 6:50

Instrument :
BNA_G
ClientSampleId :
E5LK7RX

Tot Ion:	202	Resp:	215806
Ion Ratio	Lower	Upper	
202	100		
101	8.1	10.2	15.2#
100	7.0	8.5	12.7#

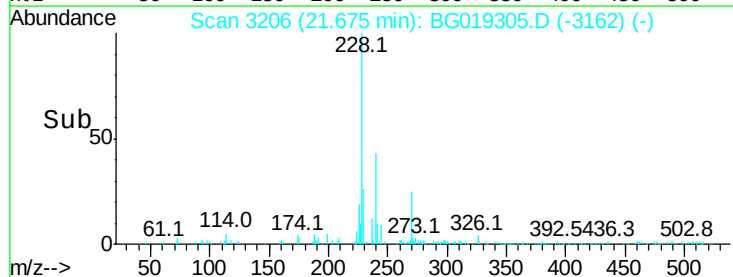
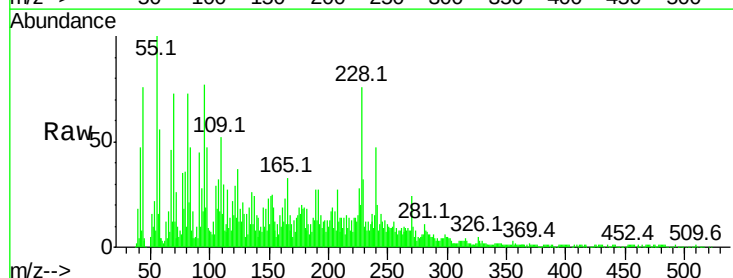
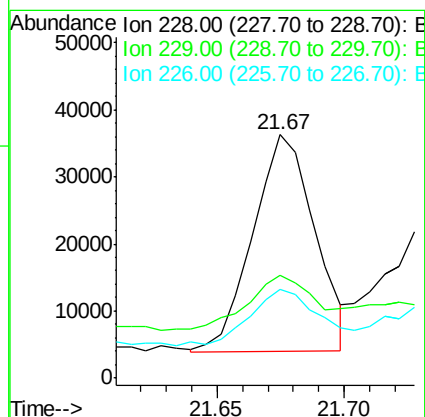
Manual Integrations
APPROVED

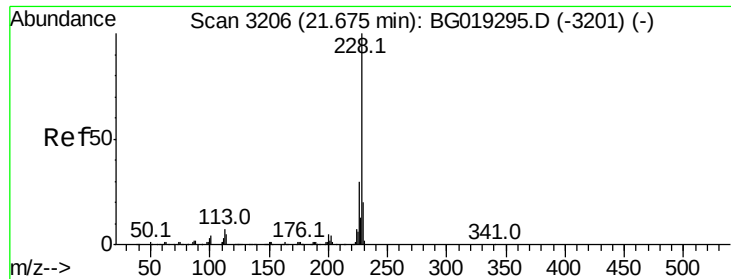
MMdadoda
10/22/2015 4:56:00 PM



#83
Benzo(a)anthracene
Concen: 4.79 ng/ul
RT: 21.67 min Scan# 3206
Delta R.T. 0.06 min
Lab File: BG019305.D
Acq: 22 Oct 2015 6:50

Tgt Ion:	228	Resp:	55037
Ion Ratio	Lower	Upper	
228	100		
229	42.5	16.6	24.8#
226	36.6	22.8	34.2#





#85

Chrysene

Concen: 6.14 ng/ul

RT: 21.74 min Scan# 3217

Delta R.T. 0.06 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Instrument :

BNA_G

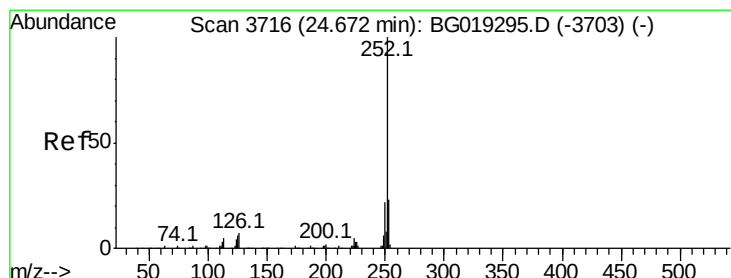
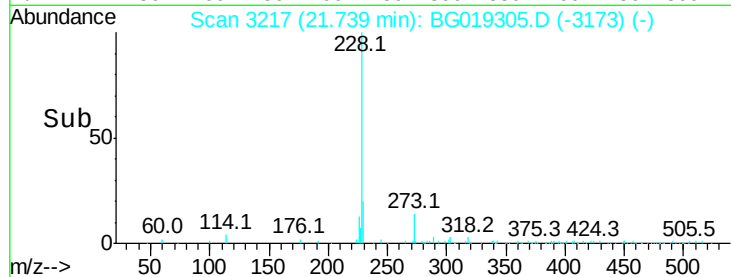
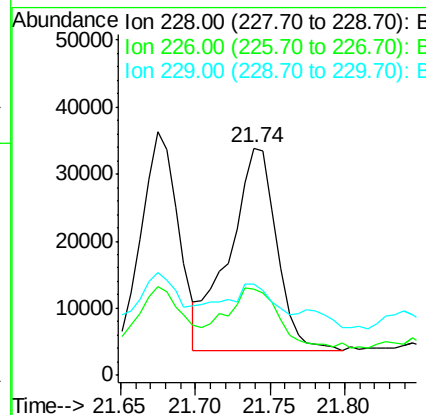
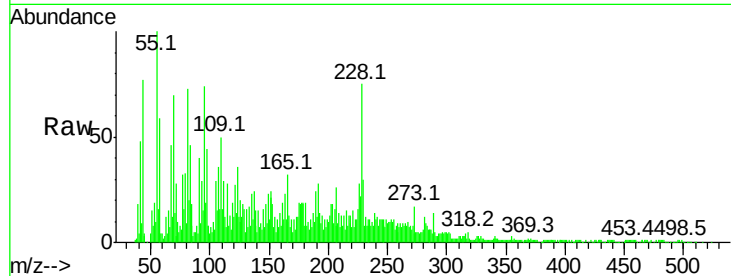
ClientSampleId :

E5LK7RX

Tot Ion:	228	Resp:	66737
Ion Ratio	Lower	Upper	
228	100		
226	37.7	24.2	36.2#
229	40.2	15.6	23.4#

Manual Integrations
APPROVED

MMdadoda
10/22/2015 4:56:00 PM



#91

Benzo(a)pyrene

Concen: 2.09 ng/ul

RT: 24.79 min Scan# 3736

Delta R.T. 0.11 min

Lab File: BG019305.D

Acq: 22 Oct 2015 6:50

Tgt Ion:	252	Resp:	23159
Ion Ratio	Lower	Upper	
252	100		
253	45.5	18.1	27.1#
125	75.7	9.4	14.2#

