

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
 Data File : BG018235.D
 Acq On : 2 Aug 2015 20:30
 Operator : TP
 Sample : G3073-09RE
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2RE

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:20:23 PM

Quant Time: Aug 11 17:05:47 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	88922	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	351057	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.17	164	174023	20.00	ng/ul	0.02
62) Phenanthrene-d10	16.92	188	283252m	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	321130m	20.00	ng/ul	0.01
86) Perylene-d12	23.32	264	270937	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	2025	1.72	ng/uL	0.01
5) Phenol-d5	6.69	99	95982	12.00	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.82	67	50120	12.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	84034	13.91	ng/ul	0.01
13) 4-Methylphenol-d8	8.22	113	71521	10.98	ng/ul	0.01
19) Nitrobenzene-d5	8.64	128	42935	15.53	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	43241	13.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	84542	15.07	ng/ul	0.02
29) 4-Chloroaniline-d4	10.41	131	50749	7.26	ng/ul	0.00
44) Dimethylphthalate-d6	13.58	166	205808	15.30	ng/ul	0.01
47) Acenaphthylene-d8	13.86	160	230128	14.76	ng/ul	0.02
52) 4-Nitrophenol-d4	14.42	143	21337	8.57	ng/ul	0.03
58) Fluorene-d10	15.17	176	143993	11.83	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.02	188	165542	13.44	ng/ul	0.02
79) Pyrene-d10	19.33	212	173600m	11.17	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.19	264	178346	13.02	ng/ul	0.04

Target Compounds

						Qvalue
28) Naphthalene	10.32	128	78044	4.62	ng/ul	97
34) 2-Methylnaphthalene	11.95	142	40150	3.00	ng/ul	98
45) Dimethylphthalate	13.63	163	113344	8.47	ng/ul	99
50) Acenaphthene	14.23	153	19942	1.98	ng/ul	93
59) Fluorene	15.22	166	20790	1.59	ng/ul#	84
70) Phenanthrene	16.97	178	121829	8.47	ng/ul	99
72) Anthracene	17.06	178	29602m	2.07	ng/ul	
77) Fluoranthene	19.00	202	280508m	17.75	ng/ul	
80) Pyrene	19.36	202	264396m	13.57	ng/ul	
83) Benzo(a)anthracene	21.11	228	123806m	7.16	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.05	149	31308m	2.93	ng/ul	
85) Chrysene	21.17	228	144473m	9.12	ng/ul	
88) Benzo(b)fluoranthene	22.67	252	238127	14.63	ng/ul#	84
89) Benzo(k)fluoranthene	22.71	252	81233m	5.43	ng/ul	
91) Benzo(a)pyrene	23.23	252	140815	9.67	ng/ul#	82
92) Indeno(1,2,3-cd)pyrene	25.53	276	59189	3.51	ng/ul#	82
94) Benzo(g,h,i)perylene	26.22	276	45971	3.34	ng/ul#	93

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

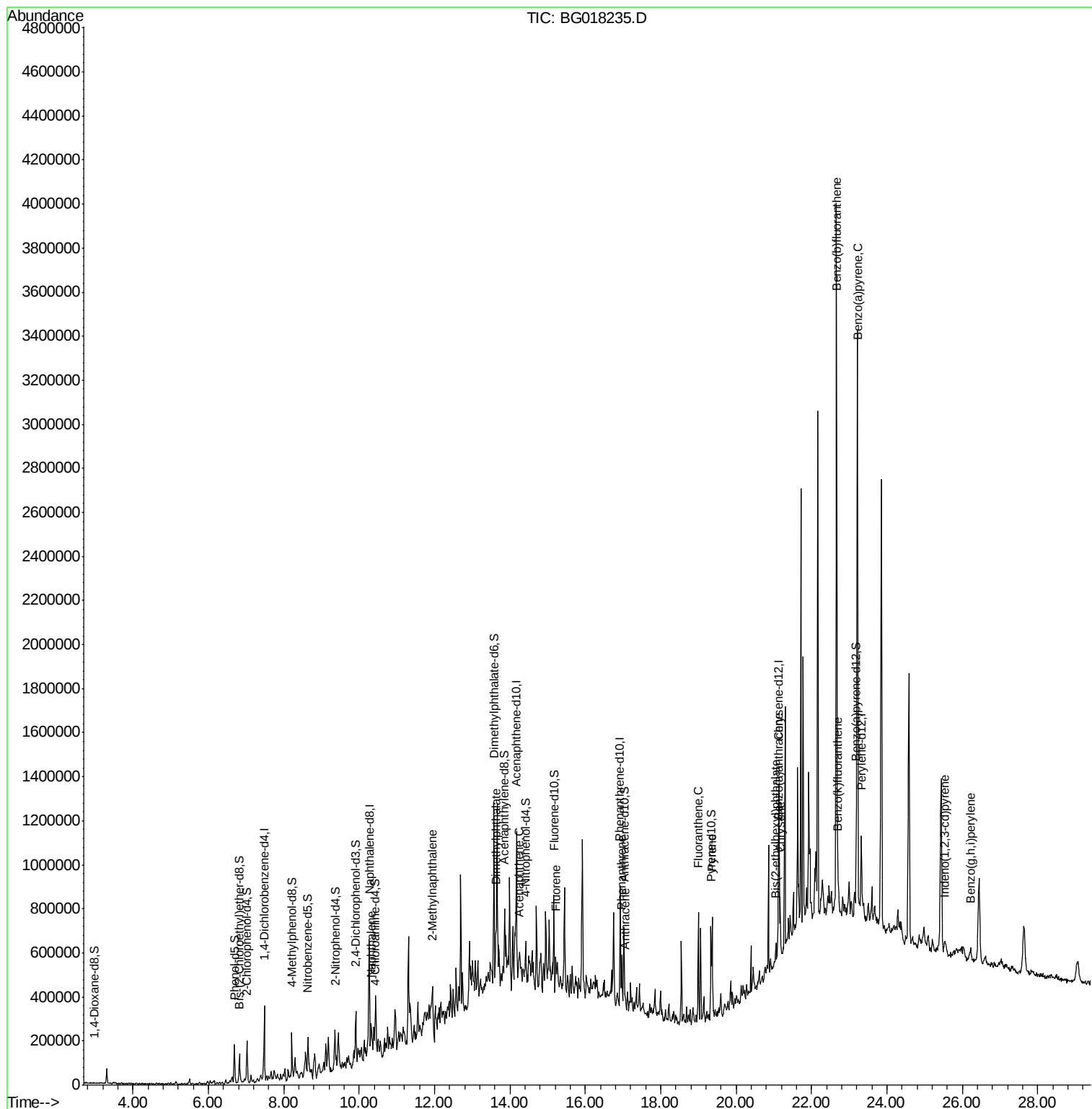
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080215\
Data File : BG018235.D
Acq On : 2 Aug 2015 20:30
Operator : TP
Sample : G3073-09RE
Misc :
ALS Vial : 34 Sample Multiplier: 1

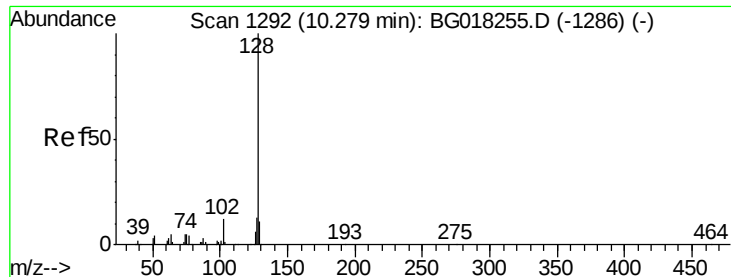
Instrument :
BNA_G
ClientSampleId :
C01Q2RE

Quant Time: Aug 11 17:05:47 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:20:23 PM





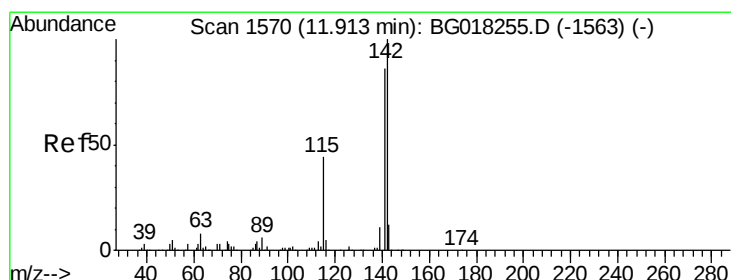
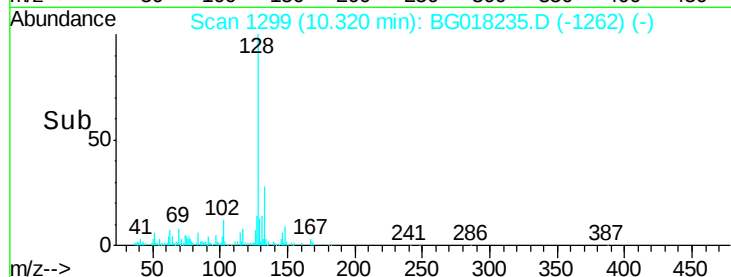
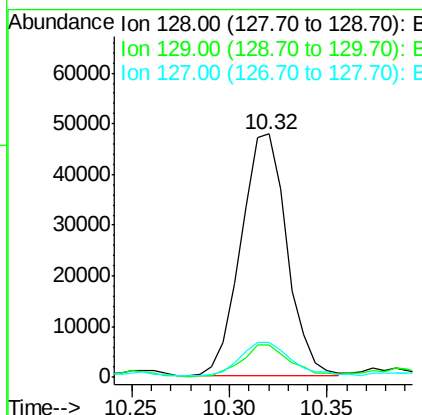
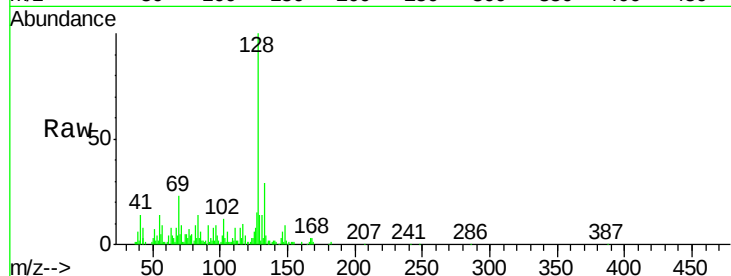
#28
Naphthalene
Concen: 4.62 ng/ul
RT: 10.32 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BG018235.D
Acq: 2 Aug 2015 20:30

Instrument :
BNA_G
ClientSampleId :
C01Q2RE

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.1	13.7
127	14.5	11.2	16.8

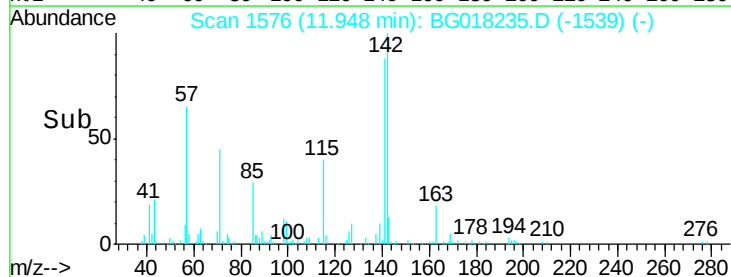
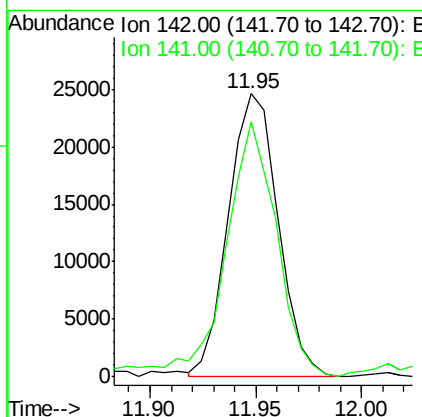
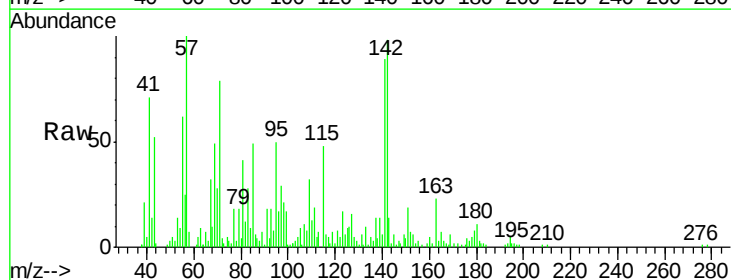
Manual Integrations
APPROVED

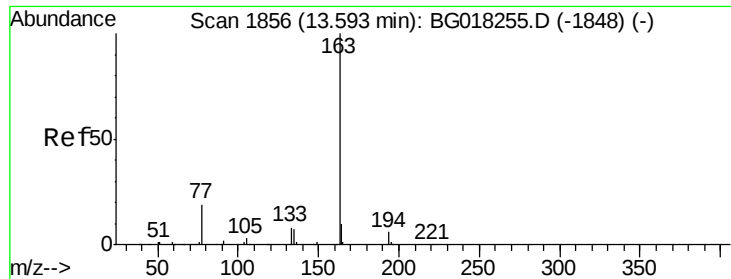
MMDadoda
8/4/2015 12:20:23 PM



#34
2-Methylnaphthalene
Concen: 3.00 ng/ul
RT: 11.95 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BG018235.D
Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5





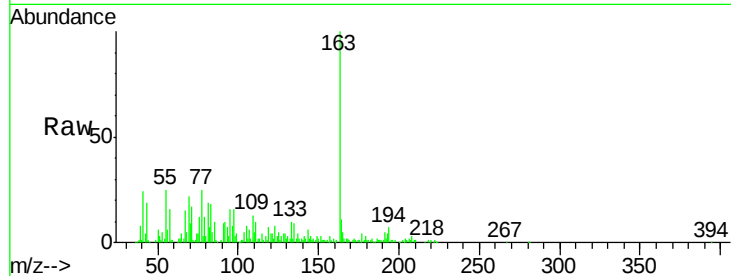
#45
Dimethylphthalate
Concen: 8.47 ng/ul
RT: 13.63 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BG018235.D
Acq: 2 Aug 2015 20:30

Instrument :
BNA_G
ClientSampleId :
C01Q2RE

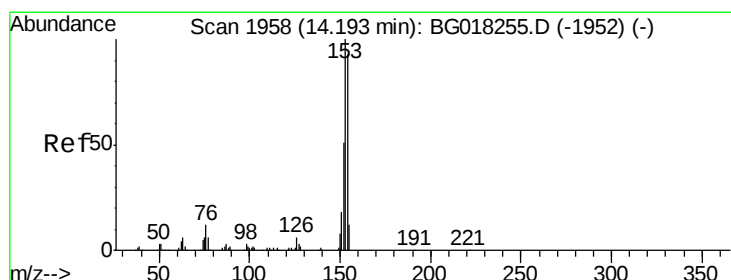
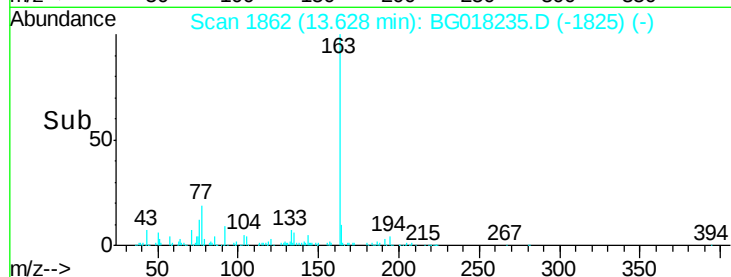
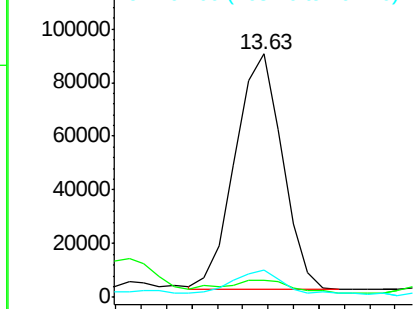
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	113344		
194	7.0	5.2	7.8	
164	11.0	8.4	12.6	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:20:23 PM

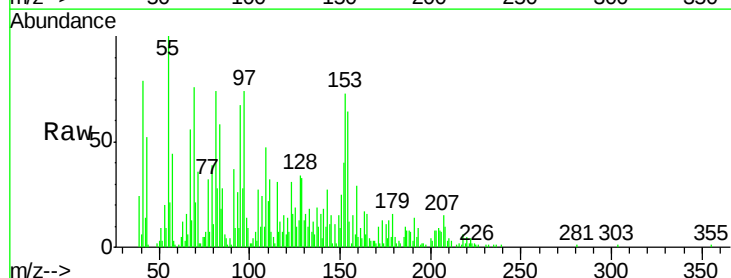


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

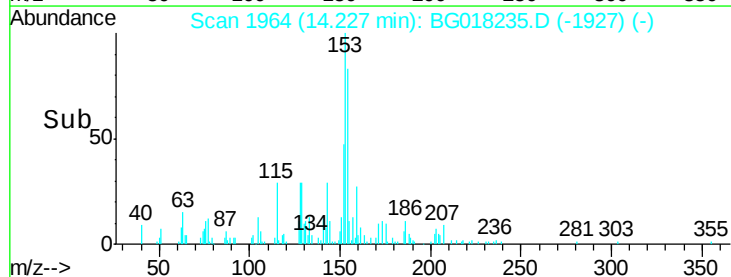
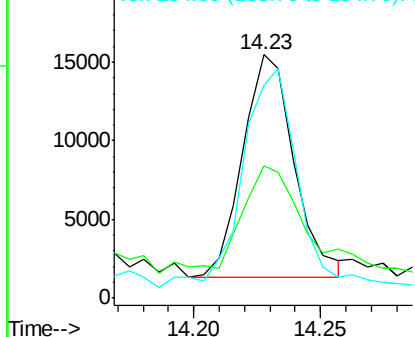


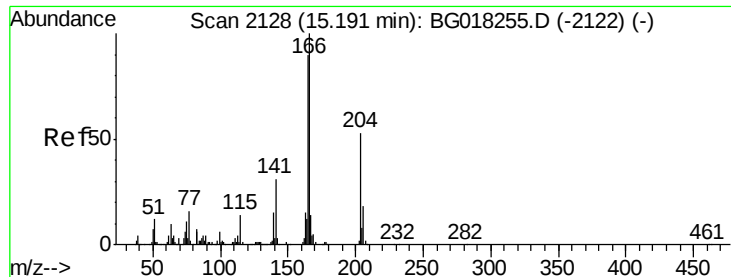
#50
Acenaphthene
Concen: 1.98 ng/ul
RT: 14.23 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BG018235.D
Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	19942		
152	54.2	38.7	58.1	
154	87.3	74.8	112.2	



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





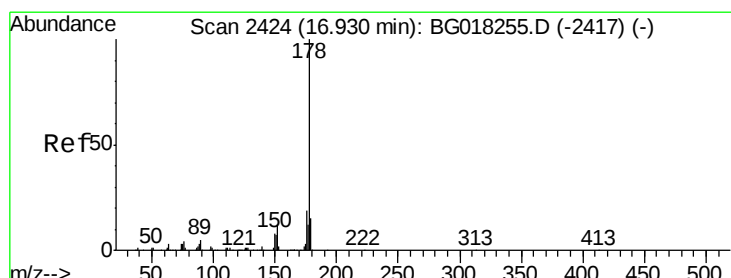
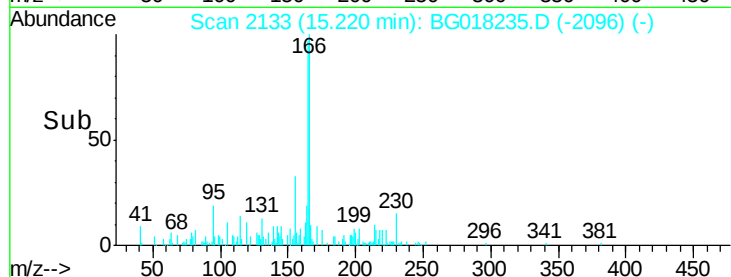
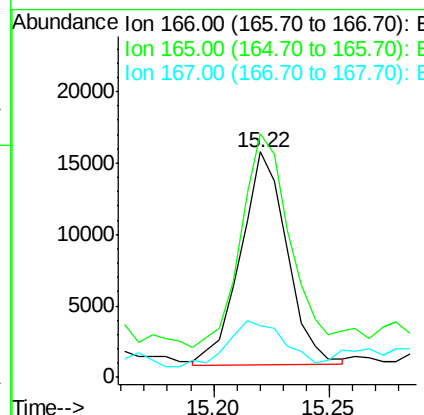
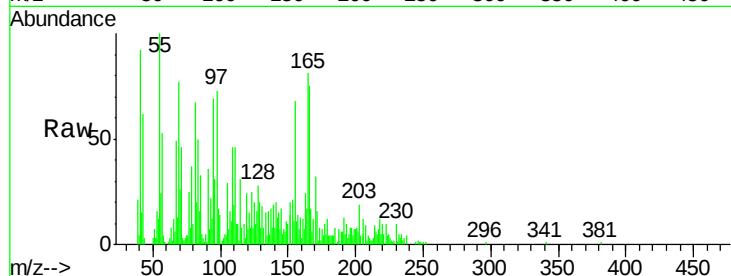
#59
Fluorene
 Concen: 1.59 ng/ul
 RT: 15.22 min Scan# 2133
 Delta R.T. 0.01 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.2	75.1	112.7
167	23.2	11.8	17.6

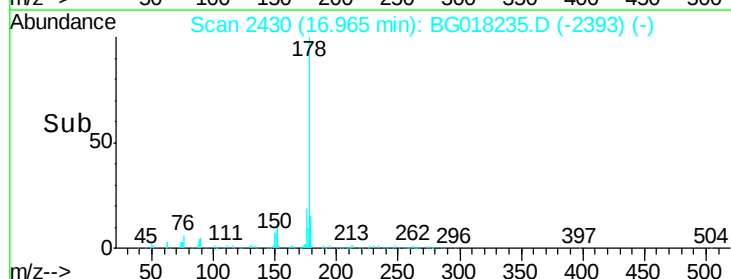
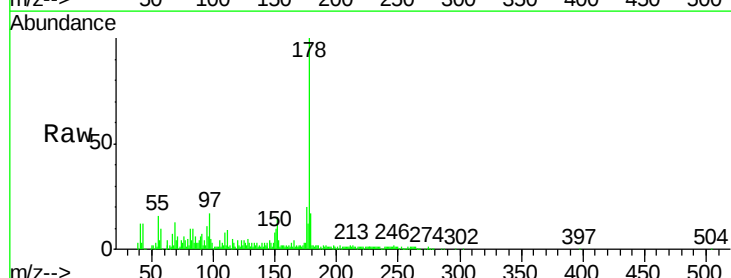
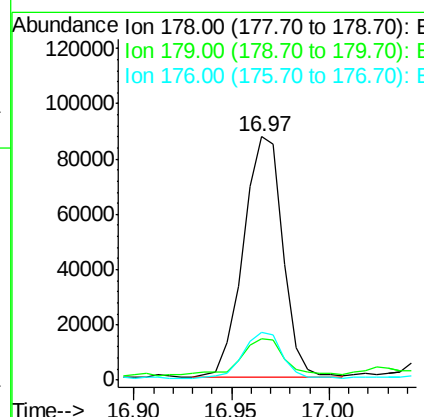
Manual Integrations
 APPROVED

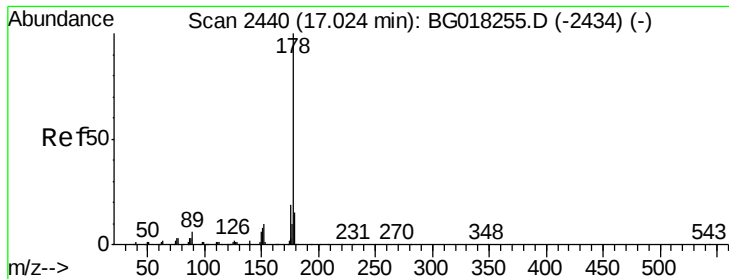
MMDadoda
 8/4/2015 12:20:23 PM



#70
Phenanthrene
 Concen: 8.47 ng/ul
 RT: 16.97 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.1	12.8	19.2
176	19.9	16.0	24.0





#72

Anthracene

Concen: 2.07 ng/ul m

RT: 17.06 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BG018235.D

Acq: 2 Aug 2015 20:30

Instrument :

BNA_G

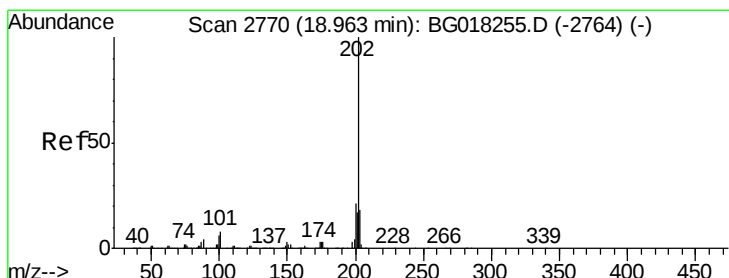
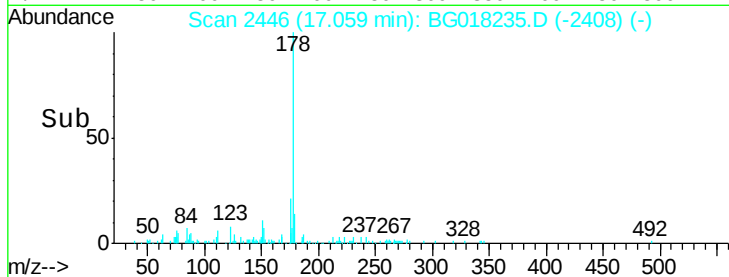
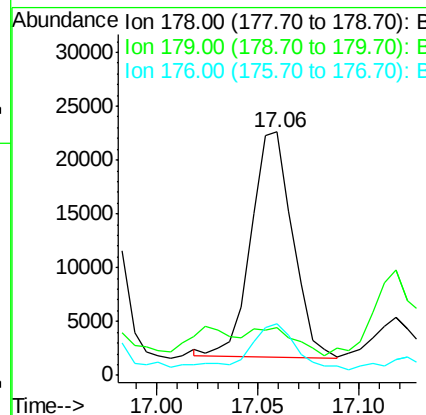
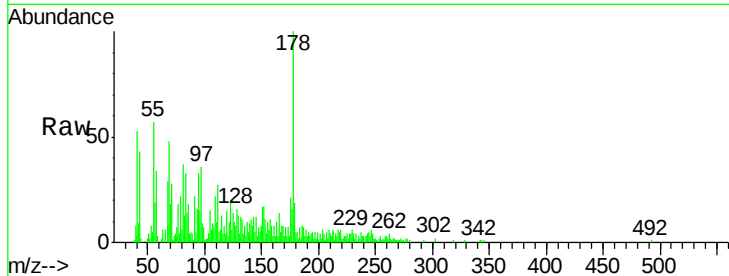
ClientSampleId :

C01Q2RE

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.4	12.2	18.2#
176	21.4	14.8	22.2

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:20:23 PM



#77

Fluoranthene

Concen: 17.75 ng/ul m

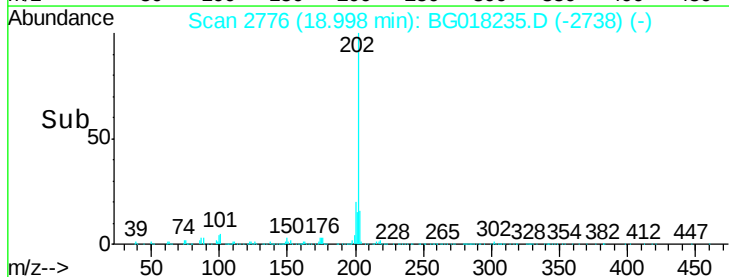
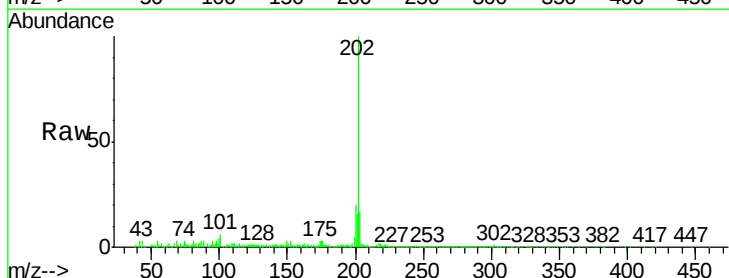
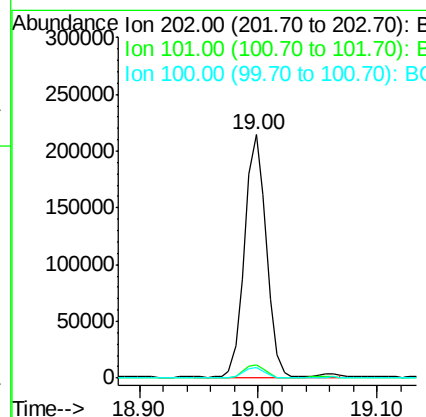
RT: 19.00 min Scan# 2776

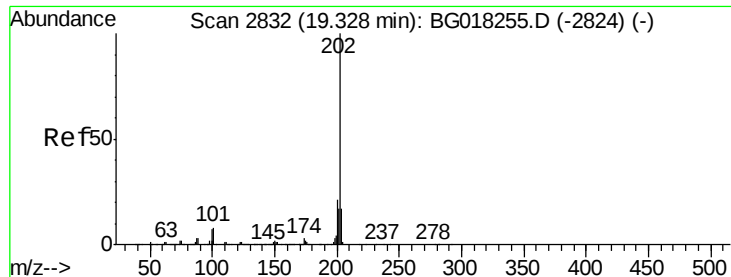
Delta R.T. 0.02 min

Lab File: BG018235.D

Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.6	7.5	11.3#
100	4.4	5.5	8.3#





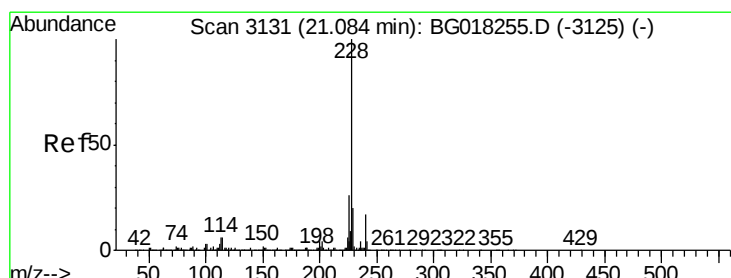
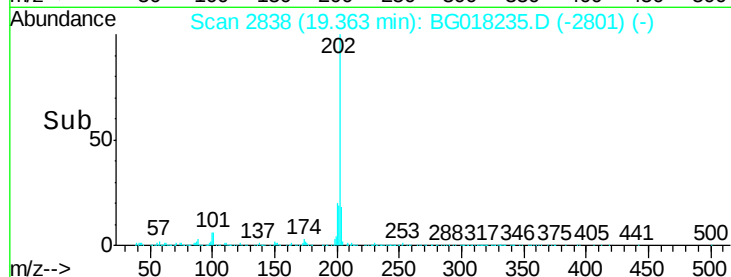
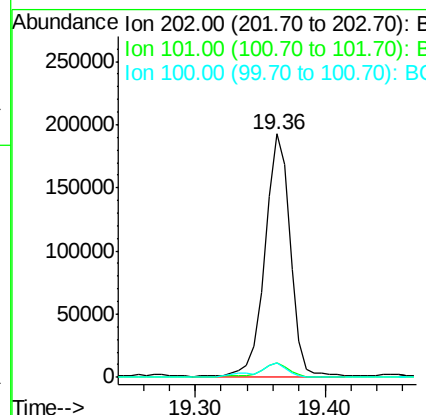
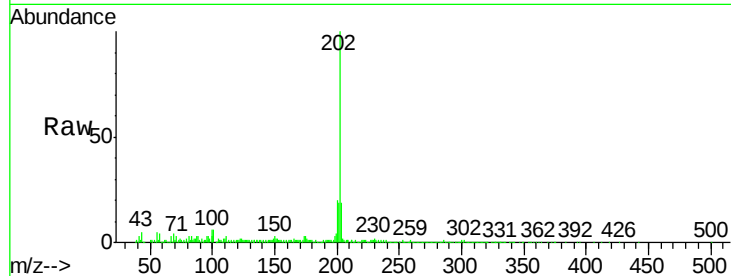
#80
 Pyrene
 Concen: 13.57 ng/ul m
 RT: 19.36 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.2	8.1	12.1#
100	5.8	7.4	11.0#

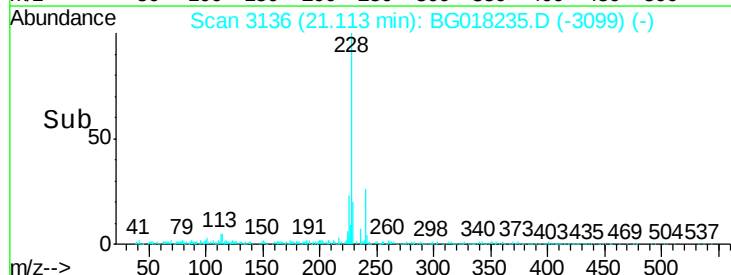
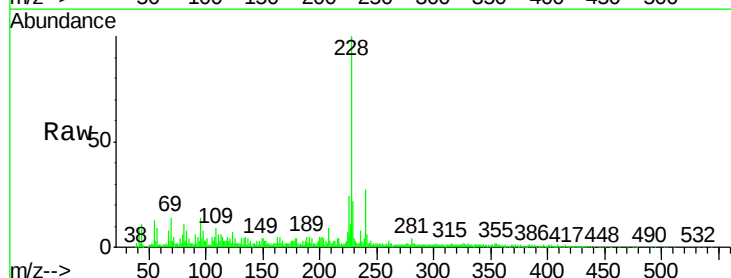
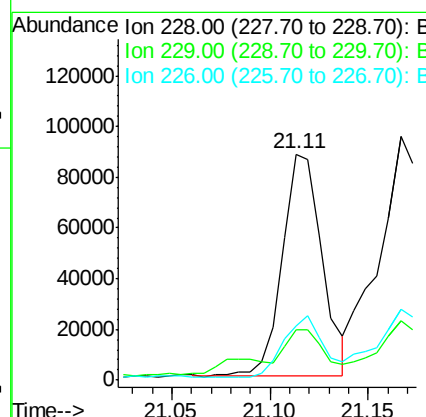
Manual Integrations
 APPROVED

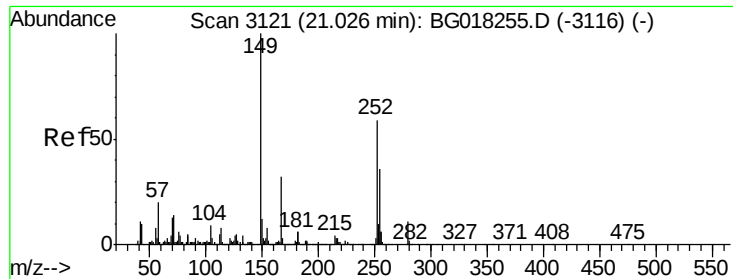
MMDadoda
 8/4/2015 12:20:23 PM



#83
 Benzo(a)anthracene
 Concen: 7.16 ng/ul m
 RT: 21.11 min Scan# 3136
 Delta R.T. 0.01 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.2	16.5	24.7
226	24.1	21.5	32.3





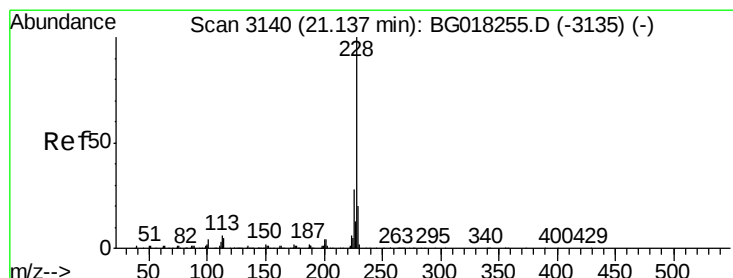
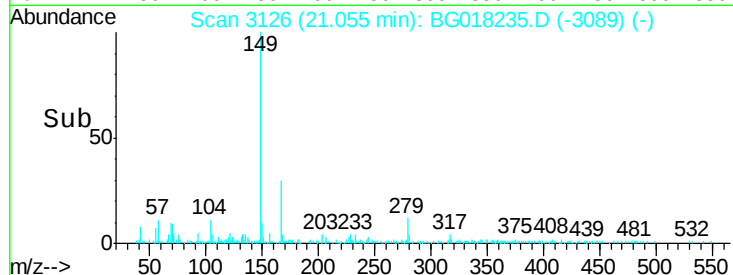
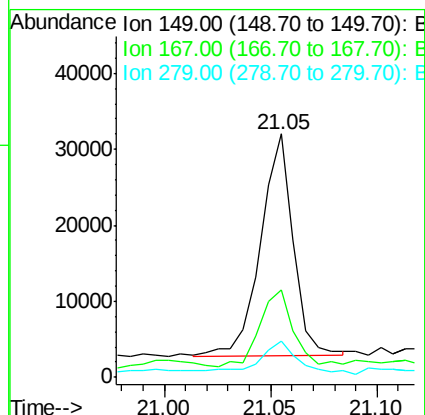
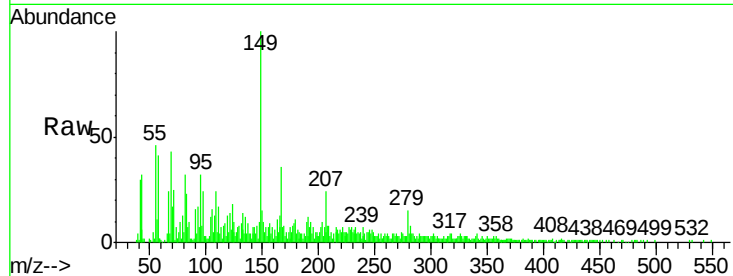
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.93 ng/ul m
 RT: 21.05 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2RE

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	31308		
167	35.7	27.4	41.2	
279	15.1	8.3	12.5#	

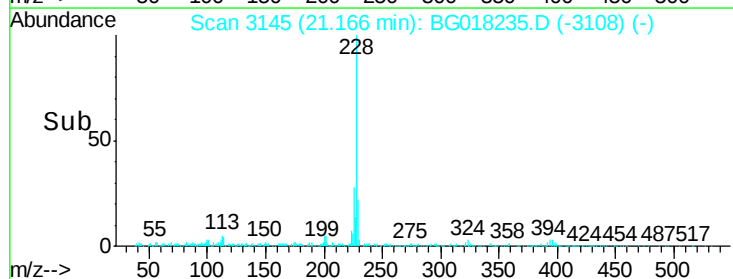
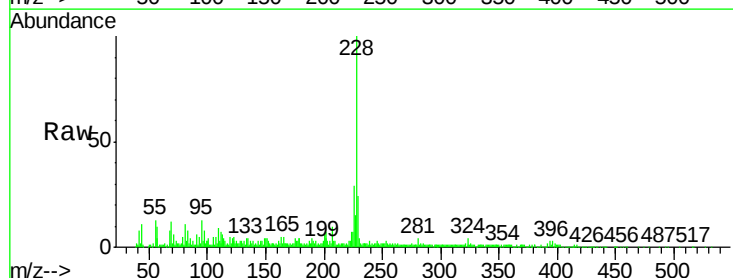
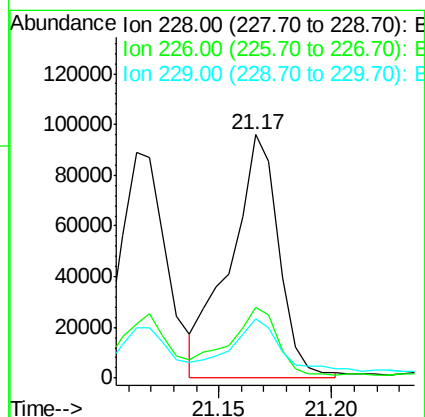
Manual Integrations
 APPROVED

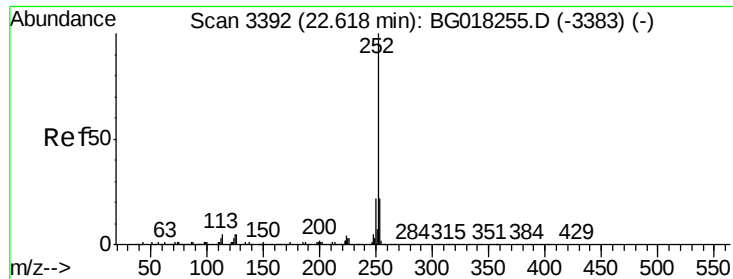
MMDadoda
 8/4/2015 12:20:23 PM



#85
 Chrysene
 Concen: 9.12 ng/ul m
 RT: 21.17 min Scan# 3145
 Delta R.T. 0.01 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	144473		
226	28.8	22.7	34.1	
229	24.3	16.2	24.2#	





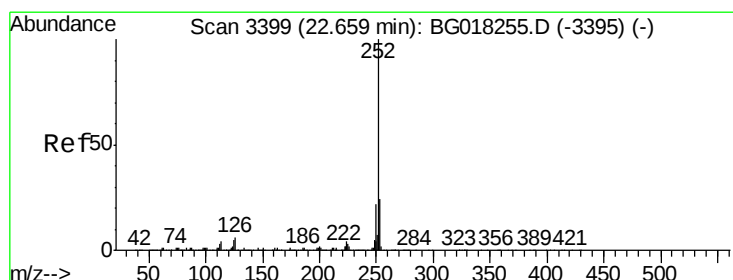
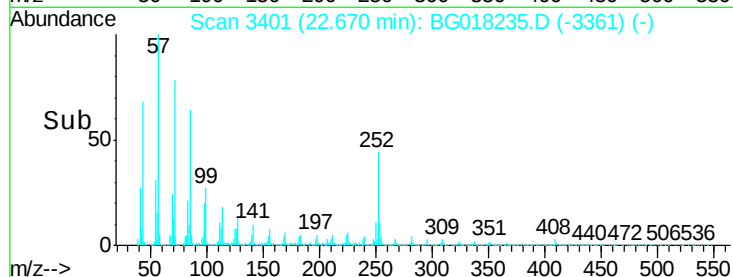
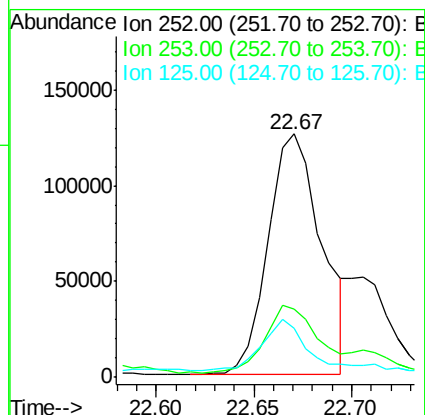
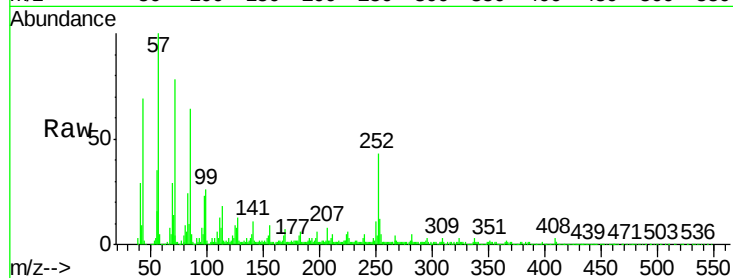
#88
Benzo(b)fluoranthene
Concen: 14.63 ng/ul
RT: 22.67 min Scan# 3401
Delta R.T. 0.03 min
Lab File: BG018235.D
Acq: 2 Aug 2015 20:30

Instrument :
BNA_G
ClientSampleId :
C01Q2RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	28.2	18.5	27.7#
125	20.2	7.4	11.0#

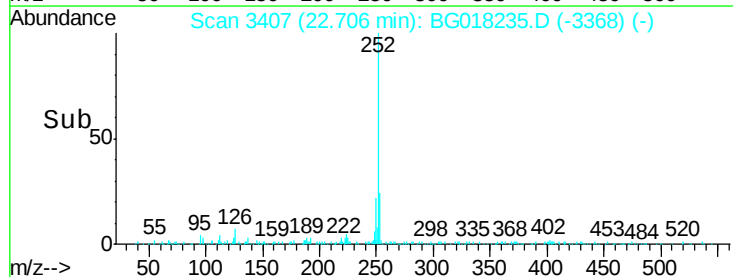
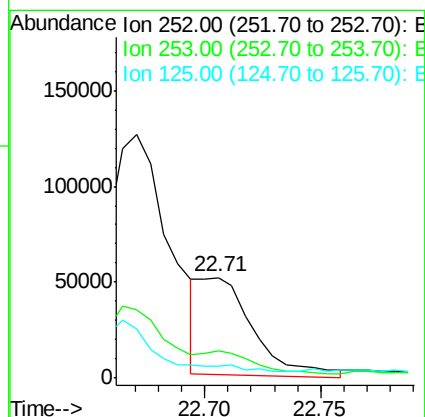
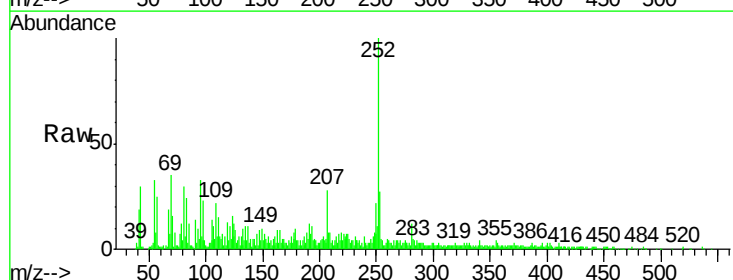
Manual Integrations
APPROVED

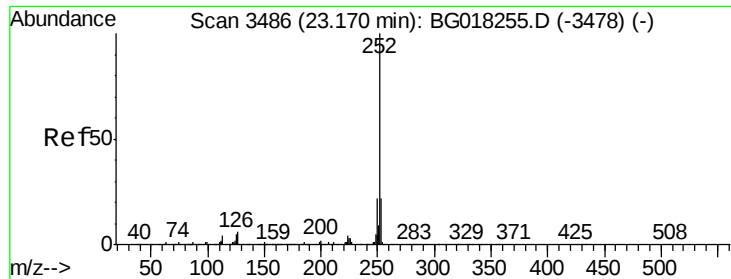
MMDadoda
8/4/2015 12:20:23 PM



#89
Benzo(k)fluoranthene
Concen: 5.43 ng/ul m
RT: 22.71 min Scan# 3407
Delta R.T. 0.03 min
Lab File: BG018235.D
Acq: 2 Aug 2015 20:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	27.0	18.2	27.2
125	11.5	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 9.67 ng/ul

RT: 23.23 min Scan# 3496

Delta R.T. 0.03 min

Lab File: BG018235.D

Acq: 2 Aug 2015 20:30

Instrument :

BNA_G

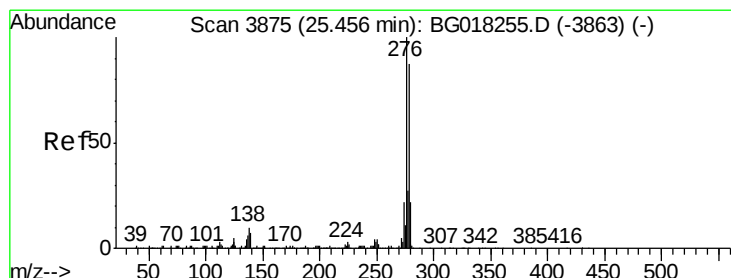
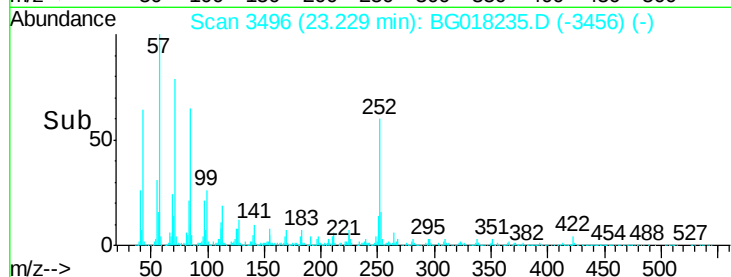
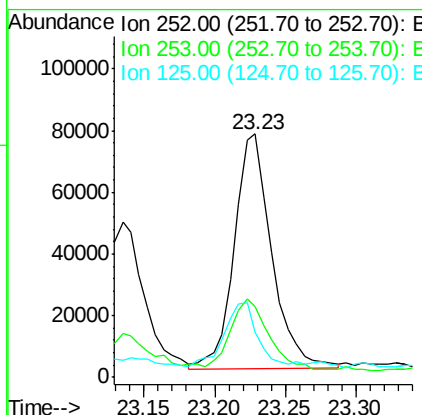
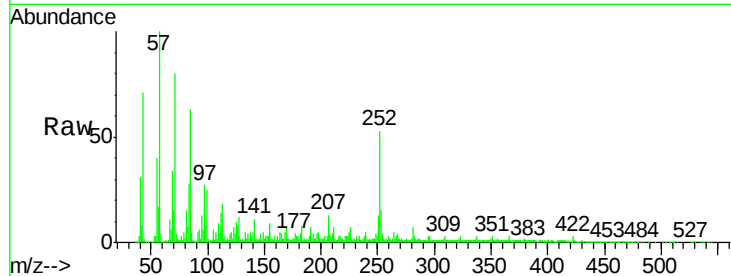
ClientSampleId :

C01Q2RE

Tgt Ion:	252	Resp:	140815
Ion Ratio		Lower	Upper
252	100		
253	29.0	17.4	26.2#
125	18.5	7.3	10.9#

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:20:23 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.51 ng/ul

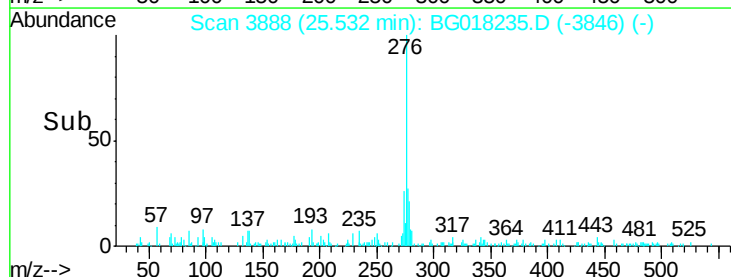
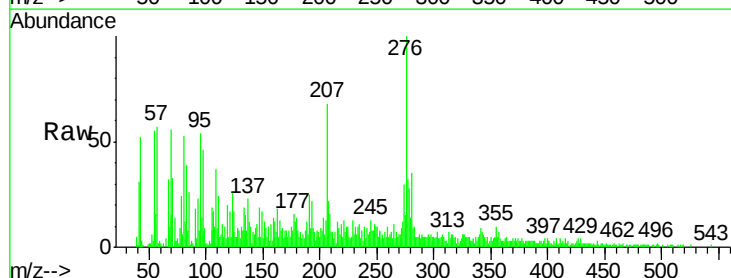
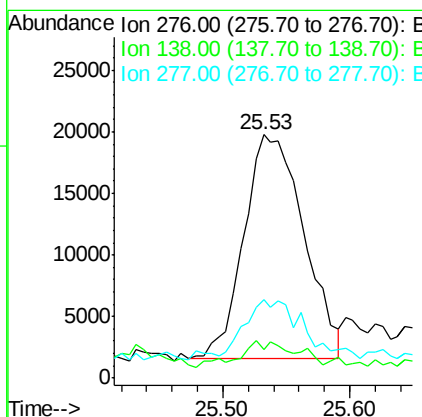
RT: 25.53 min Scan# 3888

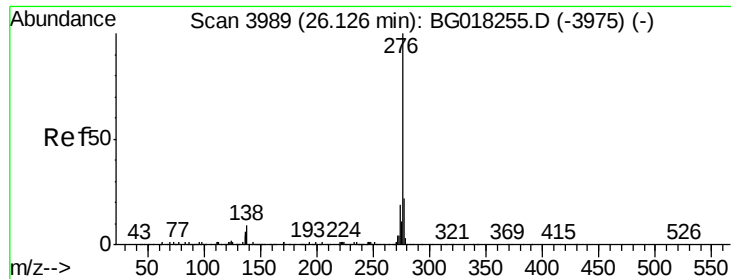
Delta R.T. 0.04 min

Lab File: BG018235.D

Acq: 2 Aug 2015 20:30

Tgt Ion:	276	Resp:	59189
Ion Ratio		Lower	Upper
276	100		
138	11.7	17.2	25.8#
277	32.3	19.5	29.3#





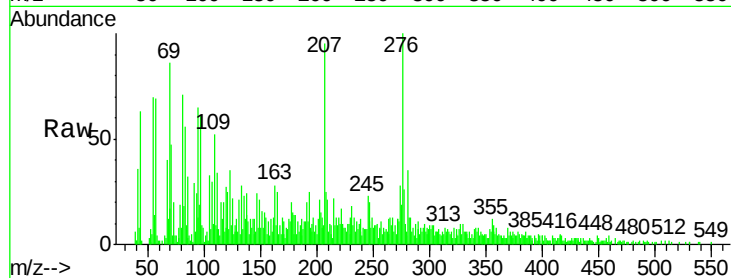
#94
 Benzo(g,h,i)perylene
 Concen: 3.34 ng/ul
 RT: 26.22 min Scan# 4005
 Delta R.T. 0.07 min
 Lab File: BG018235.D
 Acq: 2 Aug 2015 20:30

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2RE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.0	15.1	22.7#
277	26.4	19.8	29.6

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:20:23 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

