

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080915\
 Data File : BG018352.D
 Acq On : 10 Aug 2015 5:53
 Operator : UM/TP
 Sample : G3136-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02K2

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:27:39 PM

Quant Time: Aug 10 08:11:13 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 10 07:50:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	169134	20.00	ng/ul	0.01
18) Naphthalene-d8	10.88	136	759448	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	423208	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	850062	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	715576	20.00	ng/ul	0.02
86) Perylene-d12	24.99	264	690016	20.00	ng/ul	0.07

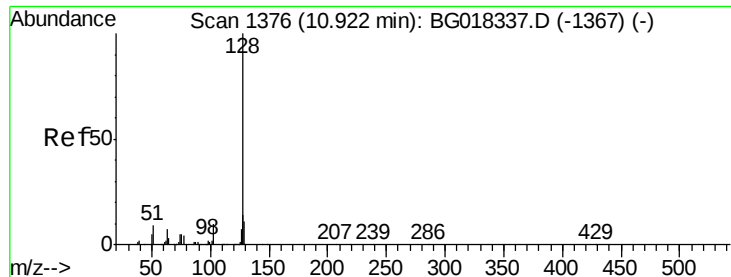
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	3762	0.98	ng/uL	0.00
5) Phenol-d5	7.23	99	84980	5.54	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	61500	6.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	72601	6.18	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	32559	2.52	ng/ul	0.01
19) Nitrobenzene-d5	9.23	128	41363	6.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	42105	6.98	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	69895	5.46	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	32979	2.28	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	254965	7.16	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	293449	6.54	ng/ul	0.01
52) 4-Nitrophenol-d4	14.88	143	11057	1.73	ng/ul	0.02
58) Fluorene-d10	15.69	176	196473	6.33	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	268700	6.61	ng/ul	0.01
79) Pyrene-d10	19.82	212	256281	6.90	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	237308	6.48	ng/ul	0.05

Target Compounds

						Ovalue
28) Naphthalene	10.93	128	40280	1.00	ng/ul	97
34) 2-Methylnaphthalene	12.53	142	38878	1.34	ng/ul	98
45) Dimethylphthalate	14.14	163	142588	4.06	ng/ul#	95
50) Acenaphthene	14.76	153	38628	1.22	ng/ul	93
59) Fluorene	15.74	166	50250	1.42	ng/ul	94
70) Phenanthrene	17.48	178	386517	8.38	ng/ul	97
72) Anthracene	17.57	178	179897	3.83	ng/ul	97
75) Carbazole	17.84	167	85545	2.08	ng/ul#	90
76) Di-n-butylphthalate	18.40	149	105443	1.96	ng/ul#	92
77) Fluoranthene	19.49	202	660664	13.41	ng/ul	99
80) Pyrene	19.85	202	625346	12.92	ng/ul	99
81) Butylbenzylphthalate	20.73	149	74945	3.66	ng/ul#	83
83) Benzo(a)anthracene	21.70	228	306210	6.90	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.61	149	758391	26.23	ng/ul	98
85) Chrysene	21.76	228	299489	7.22	ng/ul	97
88) Benzo(b)fluoranthene	23.95	252	439386	10.13	ng/ul#	84
89) Benzo(k)fluoranthene	24.01	252	148050m	3.55	ng/ul	
91) Benzo(a)pyrene	24.83	252	281225	6.82	ng/ul#	86
92) Indeno(1,2,3-cd)pyrene	28.70	276	183319	3.84	ng/ul#	89
94) Benzo(g,h,i)perylene	29.86	276	177625m	4.43	ng/ul	

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



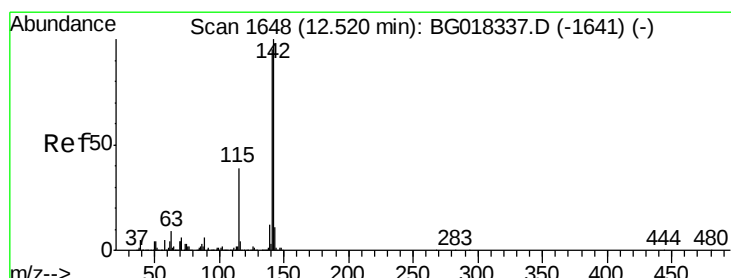
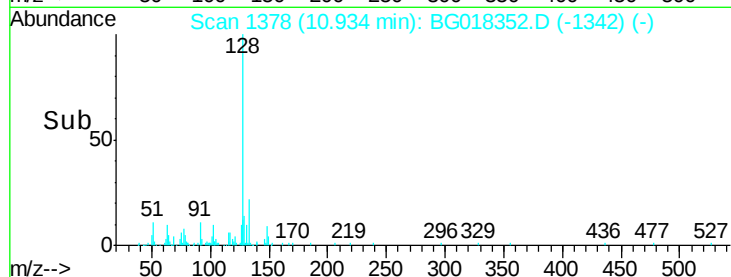
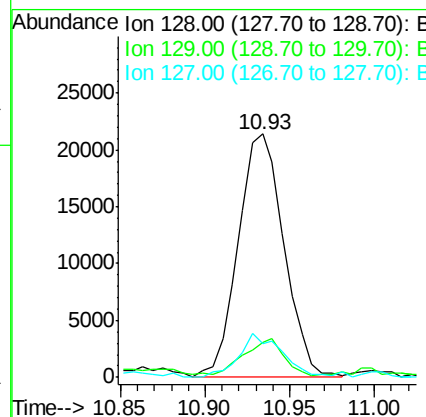
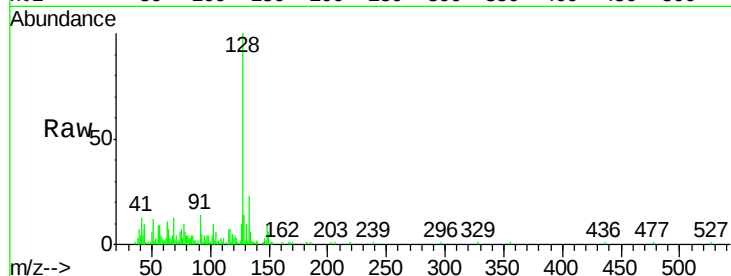
#28
Naphthalene
Concen: 1.00 ng/ul
RT: 10.93 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Instrument :
BNA_G
ClientSampled :
C02K2

Tot Ion:128	Resp:	40280
Ion Ratio	Lower	Upper
128 100		
129 14.1	9.6	14.4
127 13.7	10.5	15.7

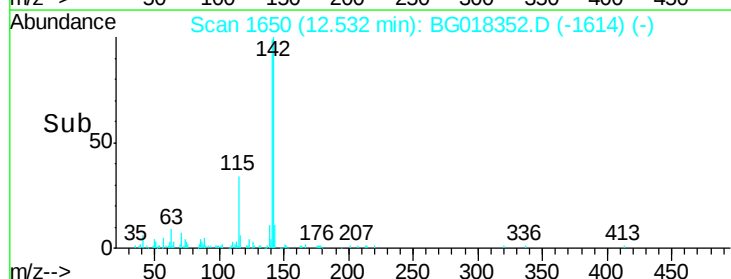
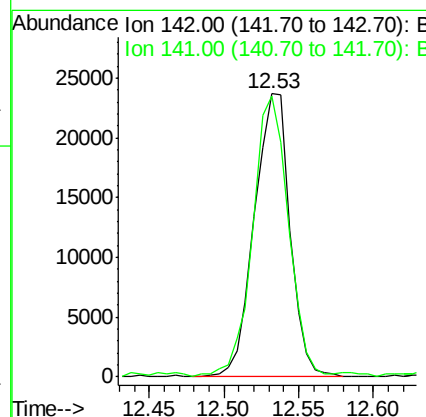
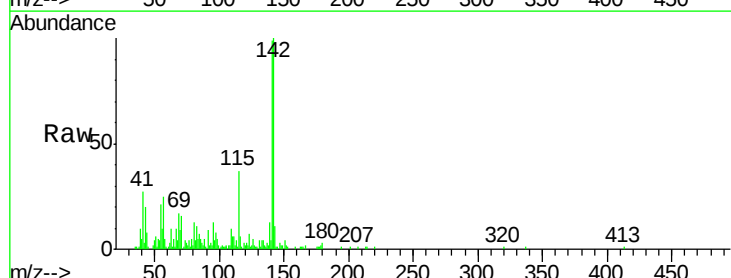
Manual Integrations
APPROVED

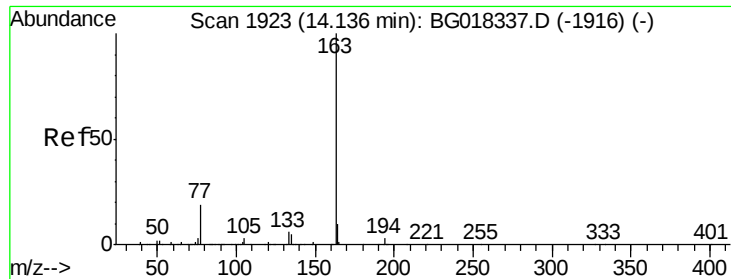
MMDadoda
8/10/2015 7:27:39 PM



#34
2-Methylnaphthalene
Concen: 1.34 ng/ul
RT: 12.53 min Scan# 1650
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Tgt Ion:142	Resp:	38878
Ion Ratio	Lower	Upper
142 100		
141 99.4	78.0	117.0





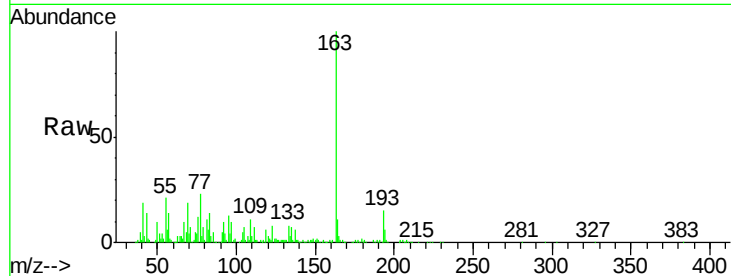
#45
Dimethylphthalate
Concen: 4.06 ng/ul
RT: 14.14 min Scan# 1924
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Instrument :
BNA_G
ClientSampleId :
C02K2

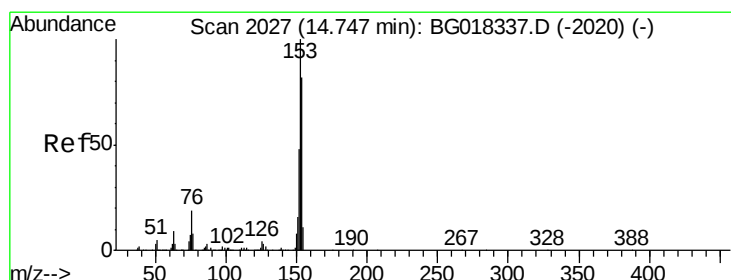
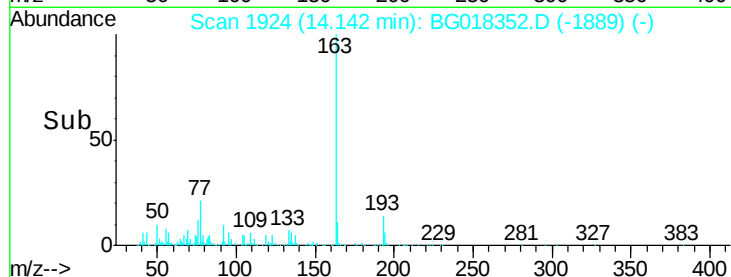
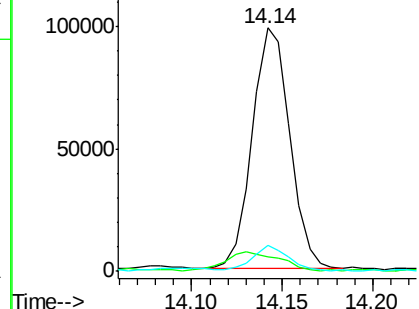
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	6.2	2.9	4.3#
164	10.8	7.7	11.5

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:27:39 PM

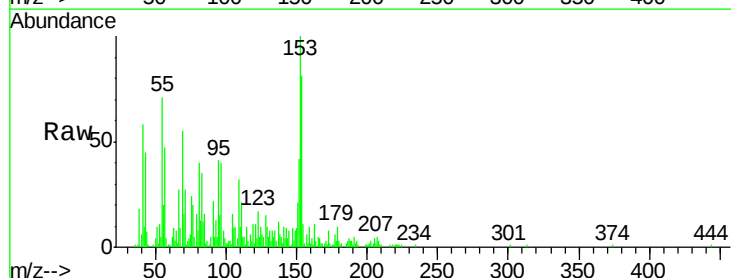


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

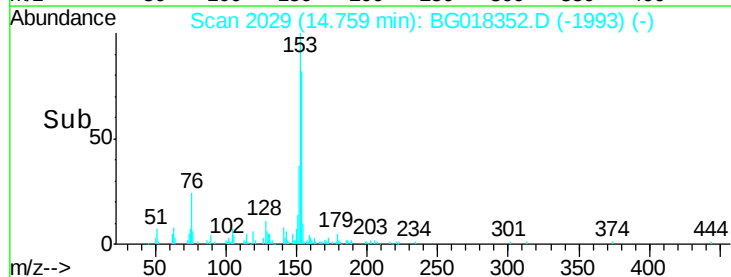
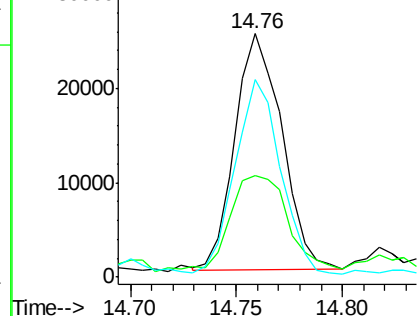


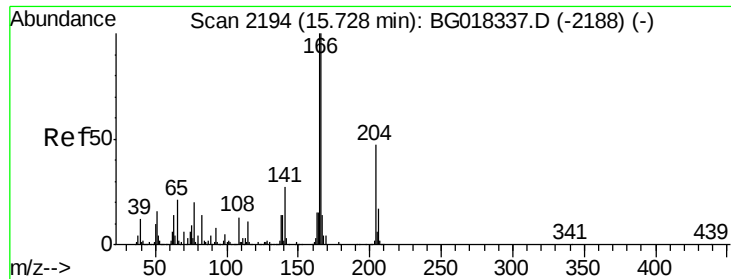
#50
Acenaphthene
Concen: 1.22 ng/ul
RT: 14.76 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Tgt Ion	Ratio	Resp Lower	Upper
153	100		
152	41.8	38.2	57.4
154	81.0	68.6	103.0



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





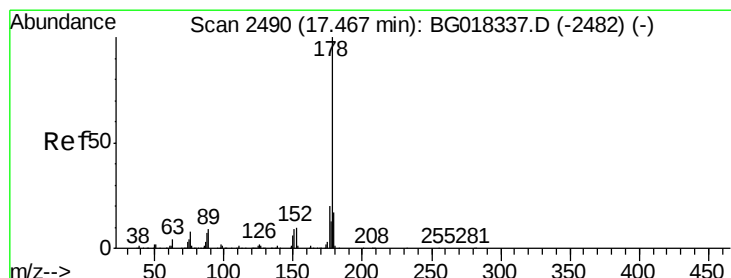
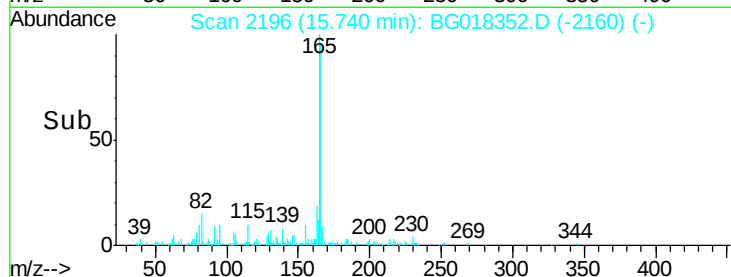
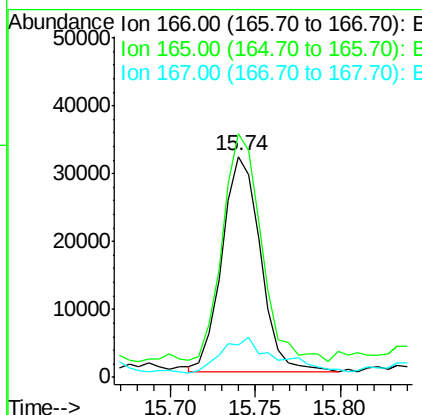
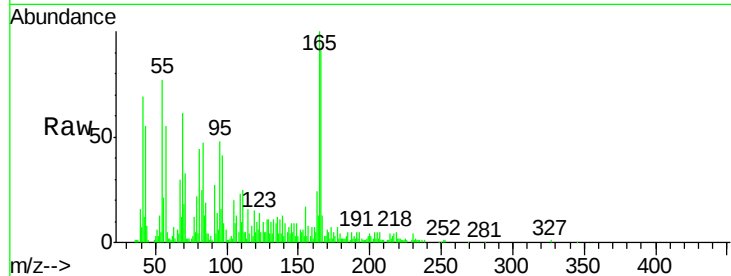
#59
Fluorene
 Concen: 1.42 ng/ul
 RT: 15.74 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BG018352.D
 Acq: 10 Aug 2015 5:53

Instrument :
 BNA_G
 ClientSampleId :
 C02K2

Tot Ion	Ratio	Resp	Lower	Upper
166	100	50250		
165	110.2		82.6	124.0
167	14.4		11.4	17.0

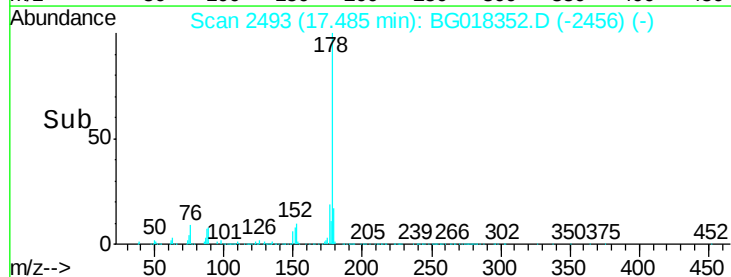
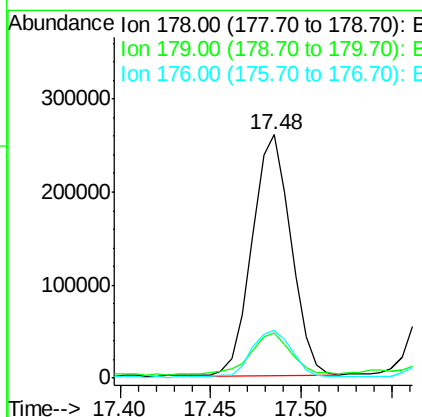
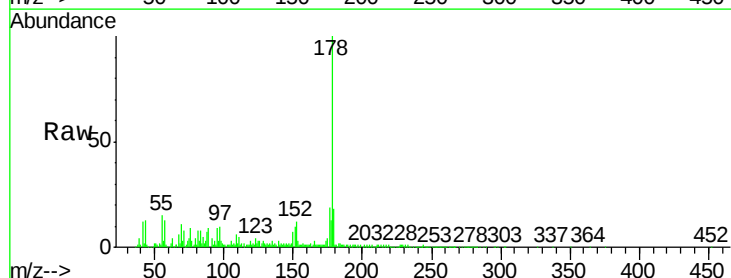
Manual Integrations
 APPROVED

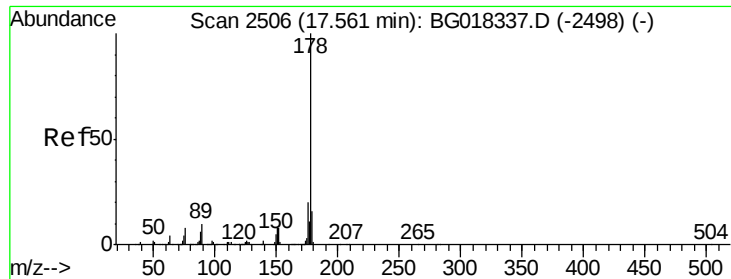
MMDadoda
 8/10/2015 7:27:39 PM



#70
Phenanthrene
 Concen: 8.38 ng/ul
 RT: 17.48 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BG018352.D
 Acq: 10 Aug 2015 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	386517		
179	18.3		13.7	20.5
176	19.4		16.6	24.8





#72

Anthracene

Concen: 3.83 ng/ul

RT: 17.57 min Scan# 2508

Delta R.T. 0.01 min

Lab File: BG018352.D

Acq: 10 Aug 2015 5:53

Instrument :

BNA_G

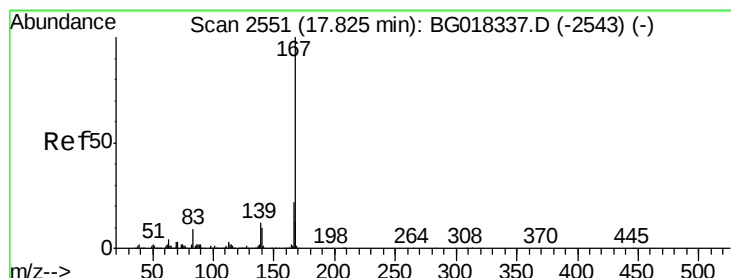
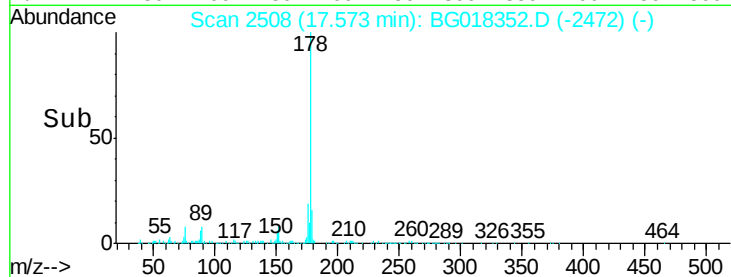
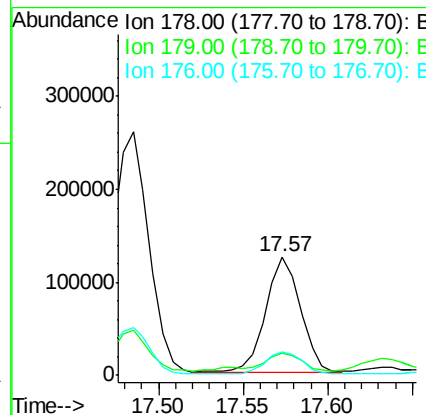
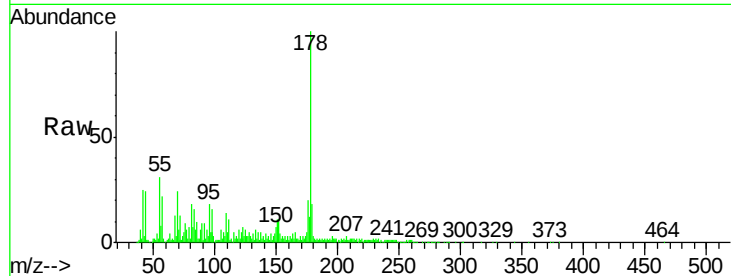
ClientSampled :

C02K2

Tot Ion:	178	Resp:	179897
Ion Ratio	Lower	Upper	
178	100		
179	18.4	13.0	19.4
176	19.7	16.0	24.0

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:27:39 PM



#75

Carbazole

Concen: 2.08 ng/ul

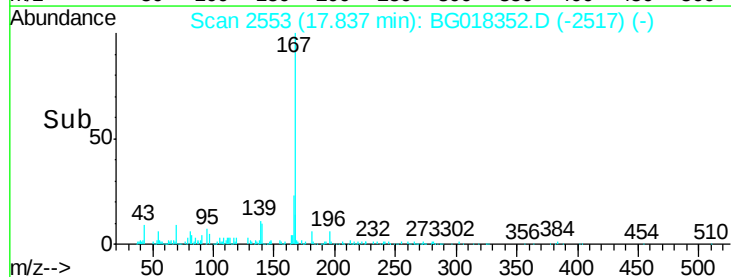
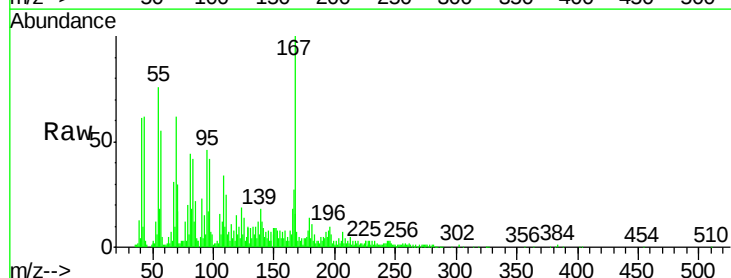
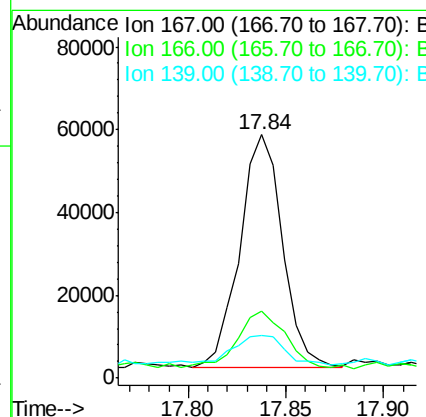
RT: 17.84 min Scan# 2553

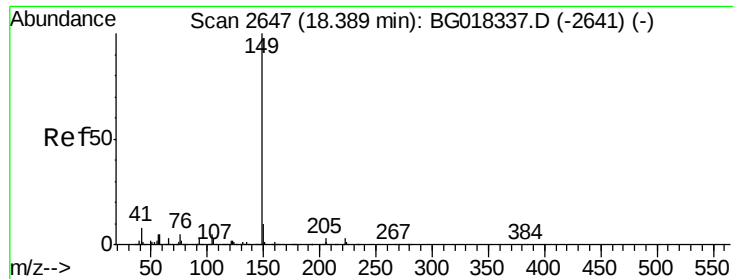
Delta R.T. 0.01 min

Lab File: BG018352.D

Acq: 10 Aug 2015 5:53

Tgt Ion:	167	Resp:	85545
Ion Ratio	Lower	Upper	
167	100		
166	27.5	18.9	28.3
139	17.6	10.1	15.1#





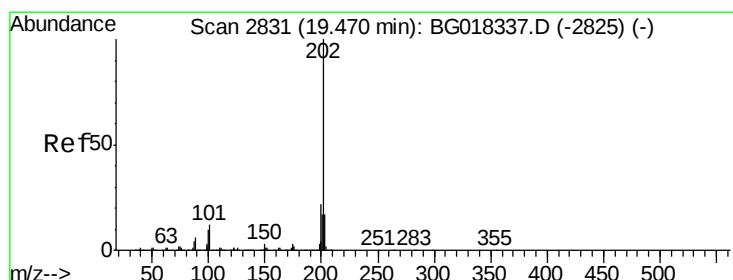
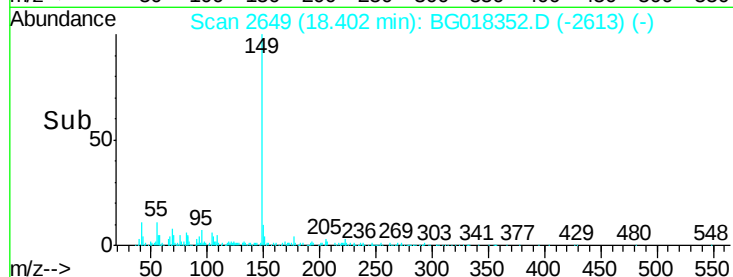
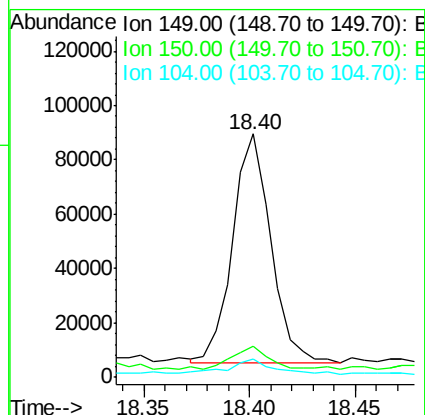
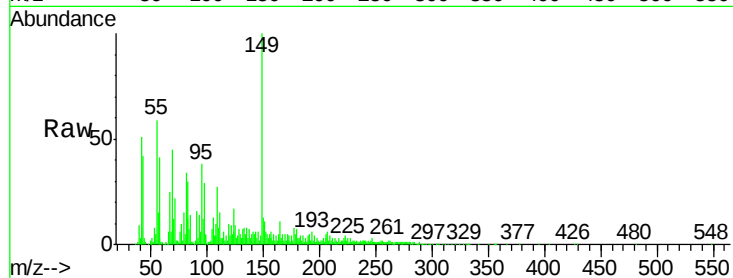
#76
Di-n-butylphthalate
Concen: 1.96 ng/ul
RT: 18.40 min Scan# 2649
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Instrument :
BNA_G
ClientSampleId :
C02K2

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	12.9	7.5	11.3#
104	7.3	4.3	6.5#

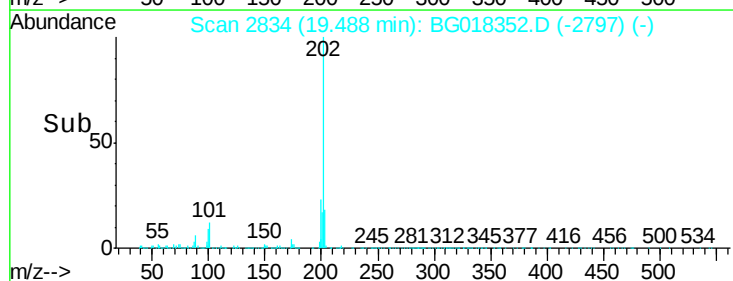
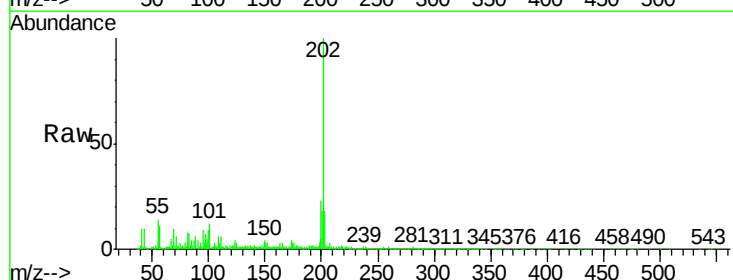
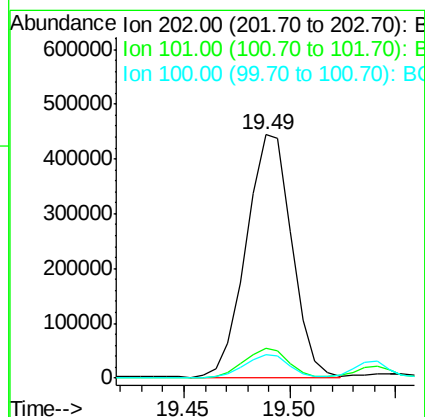
Manual Integrations
APPROVED

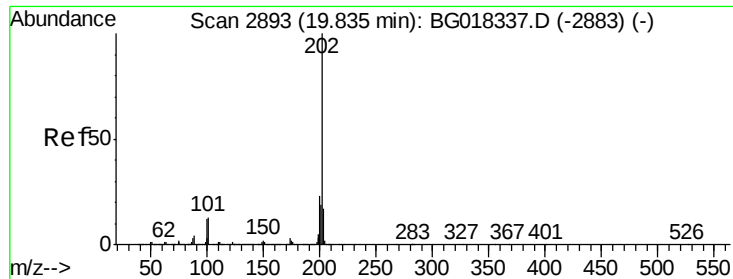
MMDadoda
8/10/2015 7:27:39 PM



#77
Fluoranthene
Concen: 13.41 ng/ul
RT: 19.49 min Scan# 2834
Delta R.T. 0.02 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	9.7	14.5
100	9.5	7.8	11.8





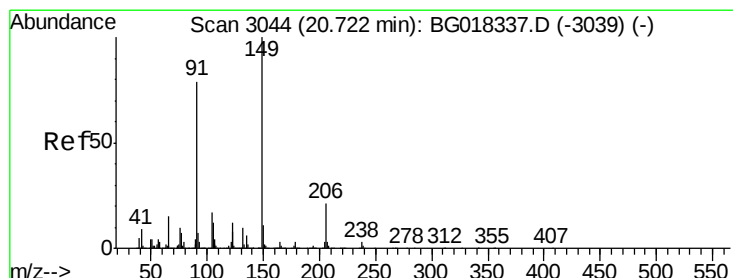
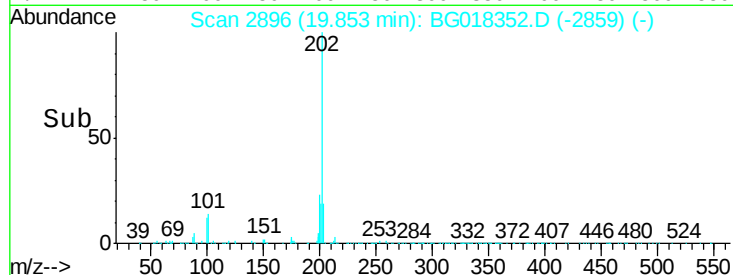
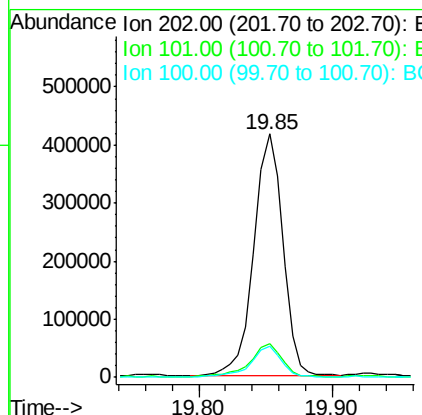
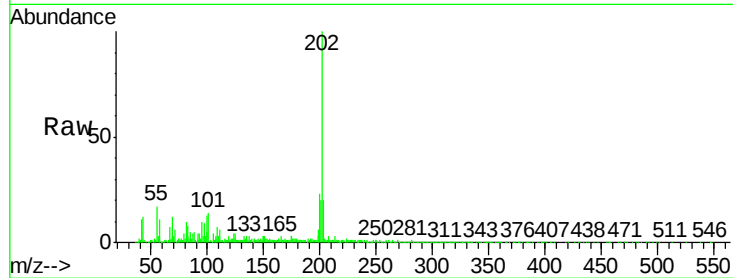
#80
Pvrene
Concen: 12.92 ng/ul
RT: 19.85 min Scan# 2896
Delta R.T. 0.02 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Instrument :
BNA_G
ClientSampled :
C02K2

Tot Ion:	202	Resp:	625346
Ion Ratio	Lower	Upper	
202	100		
101	14.0	11.0	16.4
100	12.6	9.8	14.6

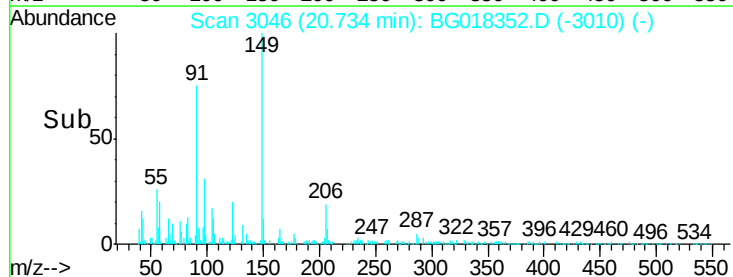
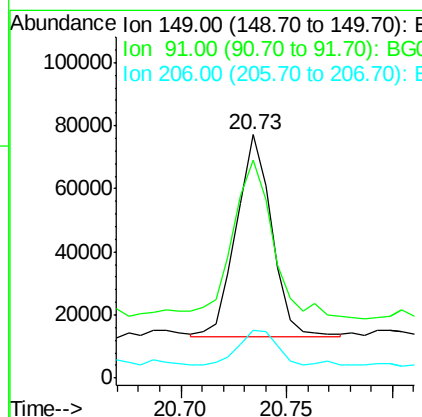
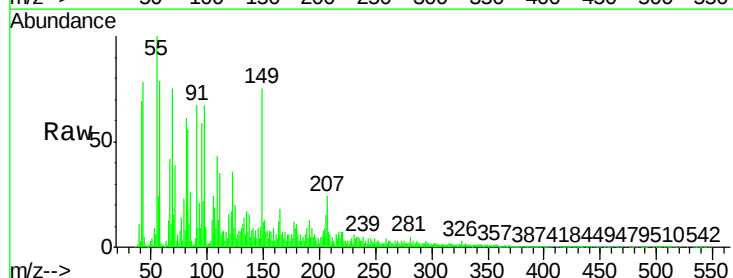
Manual Integrations
APPROVED

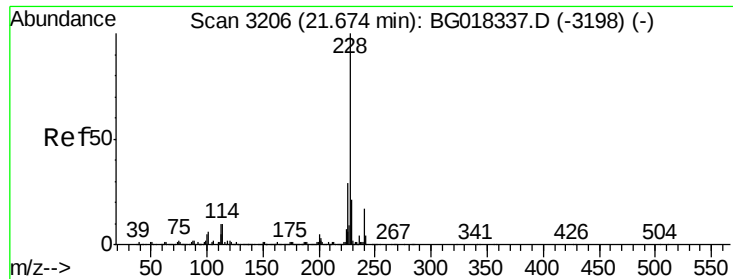
MMDadoda
8/10/2015 7:27:39 PM



#81
Butylbenzylphthalate
Concen: 3.66 ng/ul
RT: 20.73 min Scan# 3046
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Tgt Ion:	149	Resp:	74945
Ion Ratio	Lower	Upper	
149	100		
91	89.6	57.9	86.9#
206	19.5	17.9	26.9





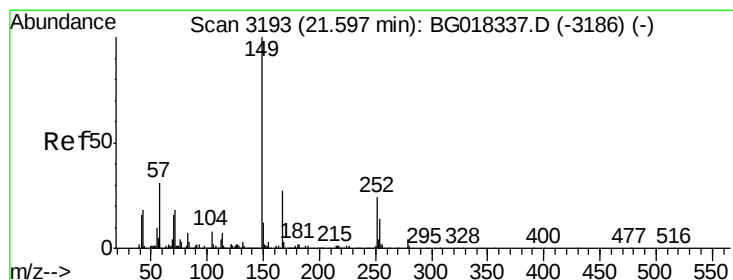
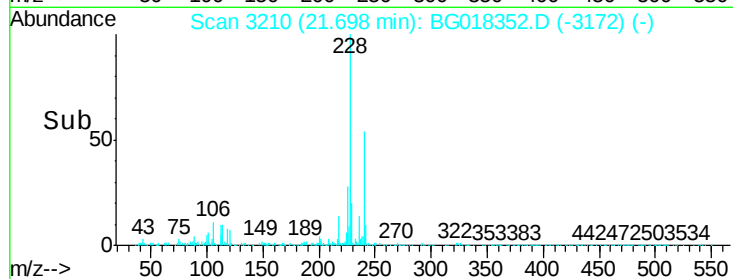
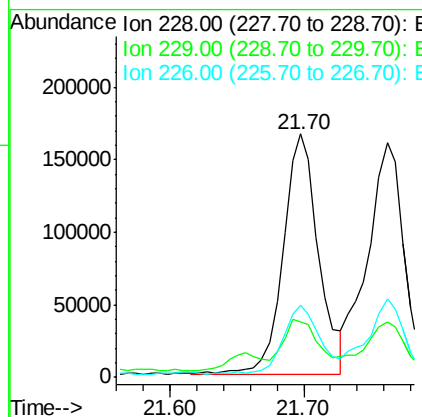
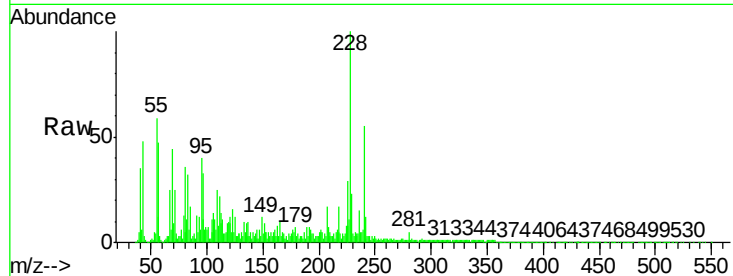
#83
Benzo(a)anthracene
Concen: 6.90 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. 0.02 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Instrument :
BNA_G
ClientSampleId :
C02K2

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
229	22.6	15.5	23.3	
226	29.4	22.1	33.1	

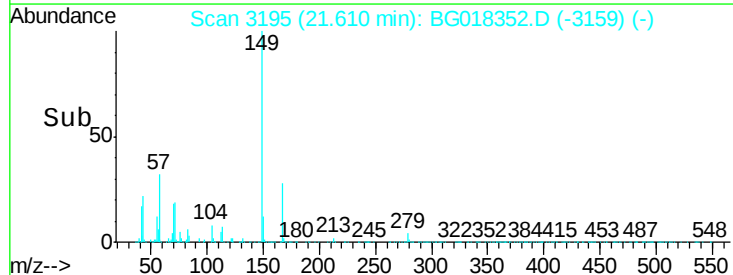
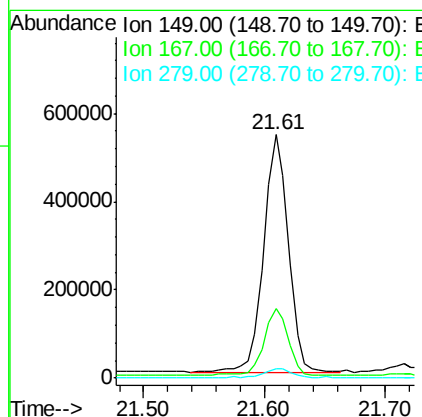
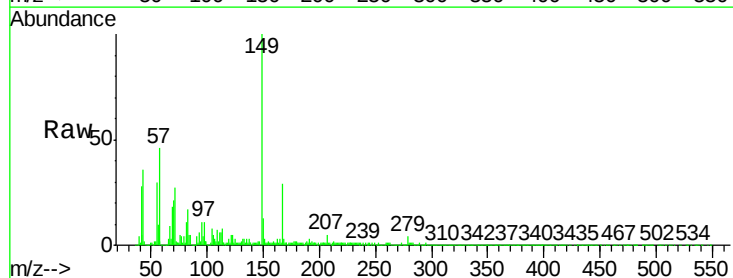
Manual Integrations
APPROVED

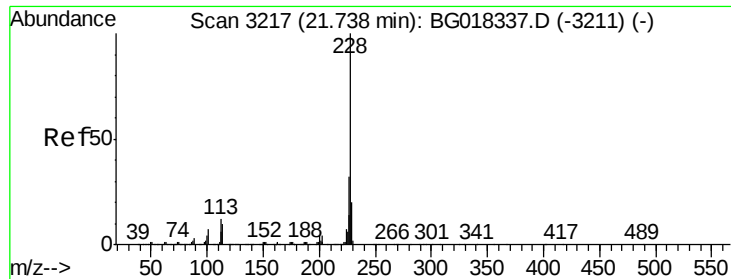
MMDadoda
8/10/2015 7:27:39 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 26.23 ng/ul
RT: 21.61 min Scan# 3195
Delta R.T. 0.01 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	28.6	22.2	33.2	
279	4.1	2.8	4.2	





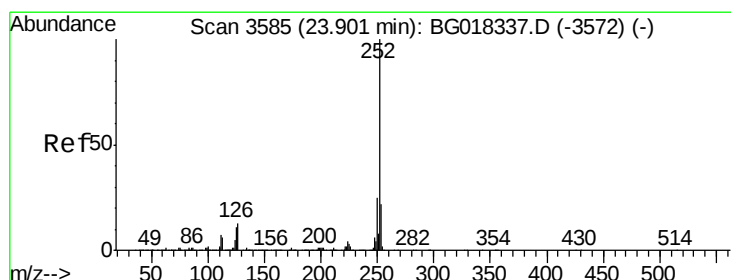
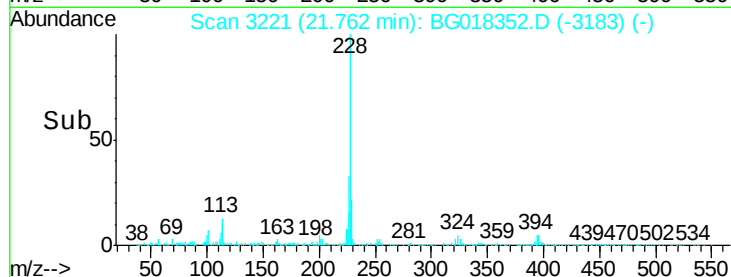
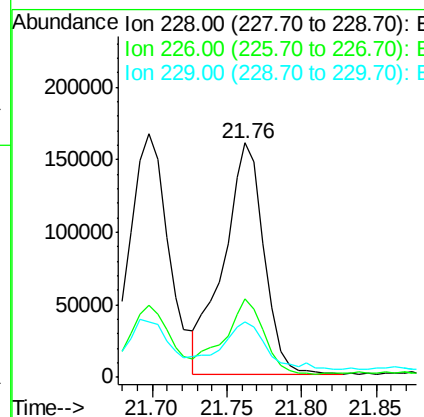
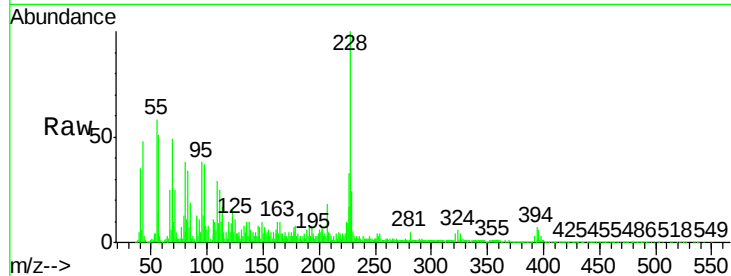
#85
Chrysene
Concen: 7.22 ng/ul
RT: 21.76 min Scan# 3221
Delta R.T. 0.02 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Instrument :
BNA_G
ClientSampleId :
C02K2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	299489		
226	33.5	26.5	39.7	
229	23.9	16.9	25.3	

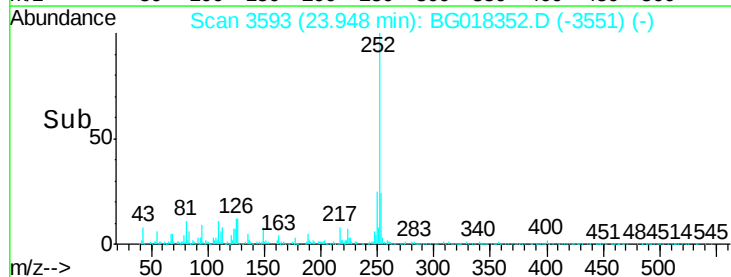
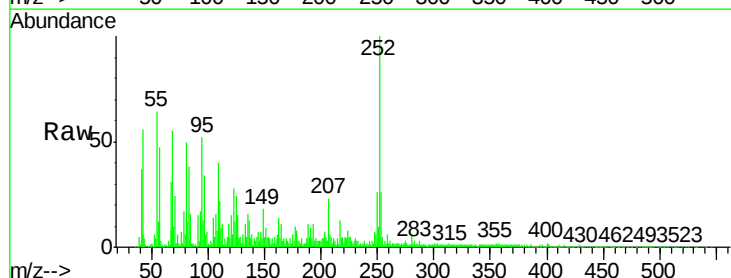
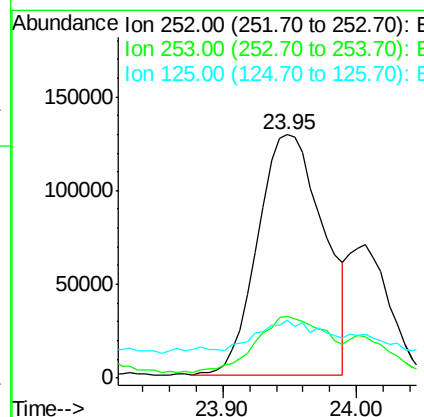
Manual Integrations
APPROVED

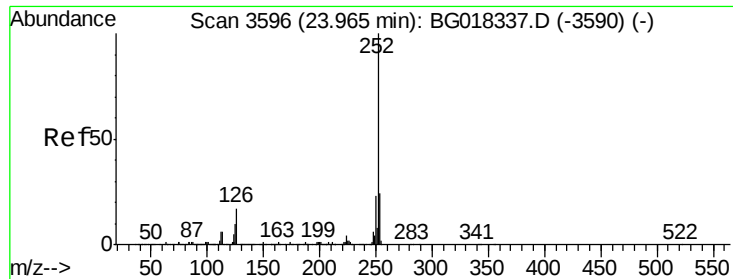
MMDadoda
8/10/2015 7:27:39 PM



#88
Benzo(b)fluoranthene
Concen: 10.13 ng/ul
RT: 23.95 min Scan# 3593
Delta R.T. 0.05 min
Lab File: BG018352.D
Acq: 10 Aug 2015 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	439386		
253	25.5	18.1	27.1	
125	24.1	8.3	12.5	





#89

Benzo(k)fluoranthene

Concen: 3.55 ng/ul m

RT: 24.01 min Scan# 3603

Delta R.T. 0.04 min

Lab File: BG018352.D

Acq: 10 Aug 2015 5:53

Instrument :

BNA_G

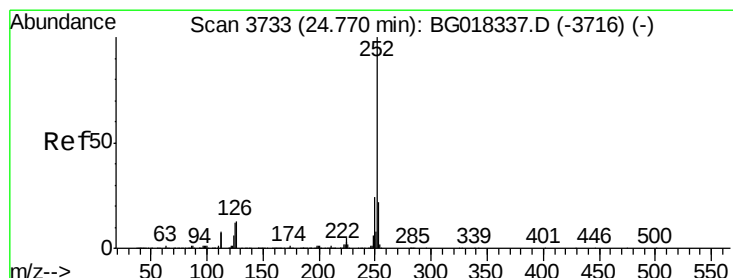
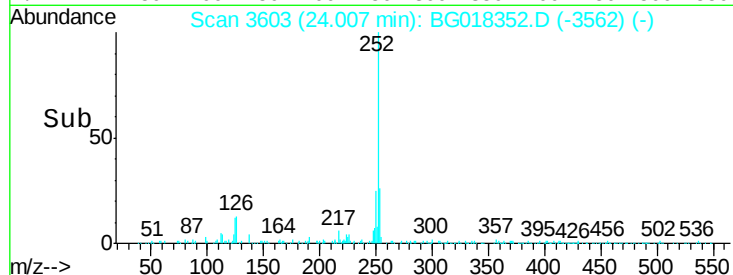
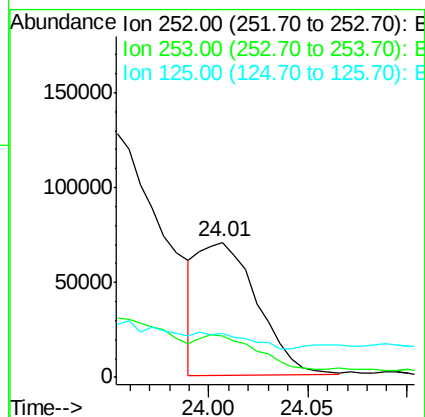
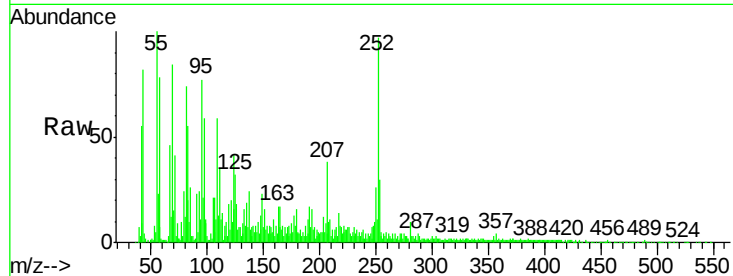
ClientSampleId :

C02K2

Tot Ion:	252	Resp:	148050
Ion Ratio	Lower	Upper	
252	100		
253	30.5	17.8	26.6#
125	32.8	9.0	13.4#

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:27:39 PM



#91

Benzo(a)pyrene

Concen: 6.82 ng/ul

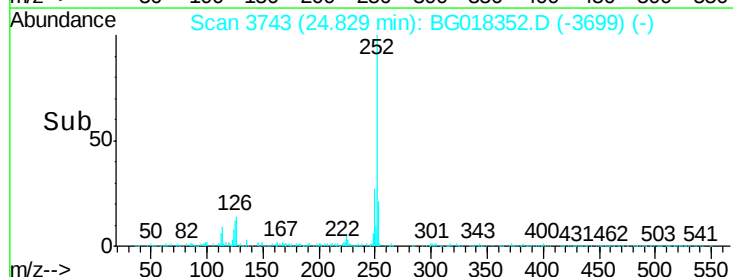
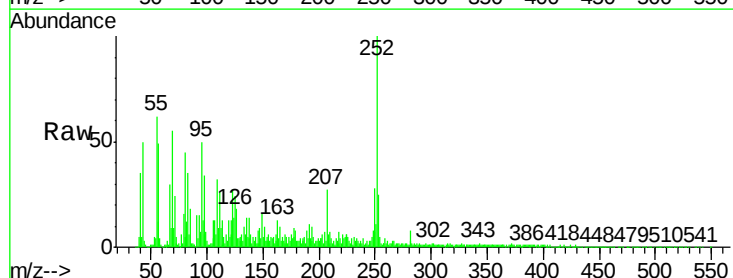
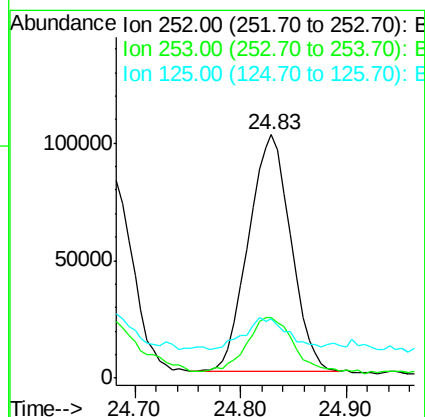
RT: 24.83 min Scan# 3743

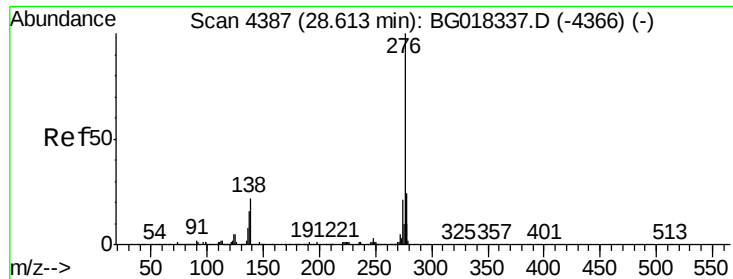
Delta R.T. 0.06 min

Lab File: BG018352.D

Acq: 10 Aug 2015 5:53

Tgt Ion:	252	Resp:	281225
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.7	26.5
125	24.3	10.2	15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.84 ng/ul

RT: 28.70 min Scan# 4402

Delta R.T. 0.09 min

Lab File: BG018352.D

Acq: 10 Aug 2015 5:53

Instrument :

BNA_G

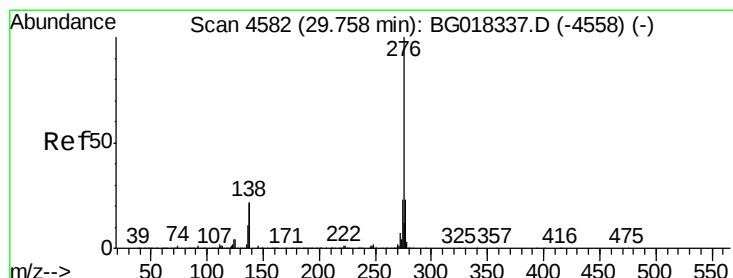
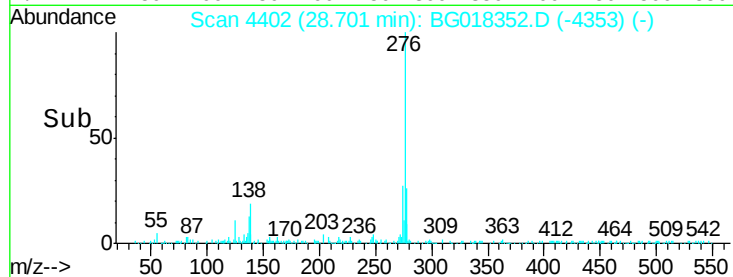
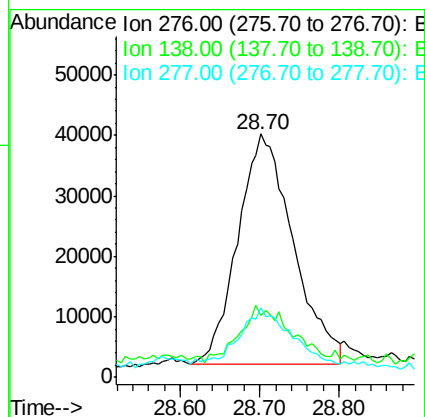
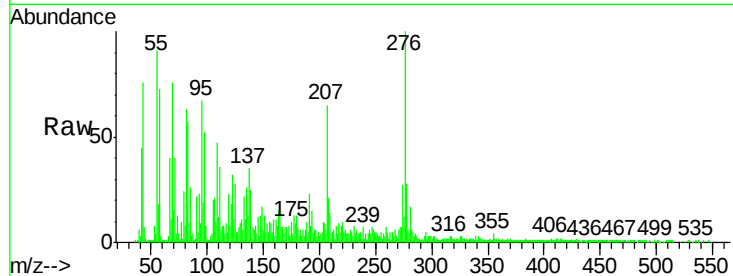
ClientSampleId :

C02K2

Tot Ion:	276	Resp:	183319
Ion Ratio	Lower	Upper	
276	100		
138	25.3	15.8	23.6#
277	28.5	18.9	28.3#

Manual Integrations
APPROVED

MMDadoda
8/10/2015 7:27:39 PM



#94

Benzo(g,h,i)perylene

Concen: 4.43 ng/ul m

RT: 29.86 min Scan# 4599

Delta R.T. 0.10 min

Lab File: BG018352.D

Acq: 10 Aug 2015 5:53

Tgt Ion:	276	Resp:	177625
Ion Ratio	Lower	Upper	
276	100		
138	25.0	16.5	24.7#
277	26.2	19.0	28.6

