

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018206.D
 Acq On : 1 Aug 2015 6:23
 Operator : TP/UM
 Sample : G3065-21
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02G6

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:23:22 PM

Quant Time: Aug 01 07:33:24 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	66830	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	307999	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	170579	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	296469	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	352741	20.00	ng/ul	0.02
86) Perylene-d12	23.32	264	376764	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	1161	1.31	ng/uL	0.00
5) Phenol-d5	6.68	99	60491	10.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	30467	9.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	50966	11.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	50166	10.25	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	27011	11.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	28989	10.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	56572	11.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.41	131	14299	2.33	ng/ul	0.00
44) Dimethylphthalate-d6	13.58	166	150262	11.40	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	186056	12.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	20448	8.38	ng/ul	0.01
58) Fluorene-d10	15.16	176	123789	10.38	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.30	200	1514	0.73	ng/ul	0.01
71) Anthracene-d10	17.01	188	162290m	12.59	ng/ul	0.00
79) Pyrene-d10	19.33	212	166931	9.78	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.18	264	223453	11.73	ng/ul	0.04

Target Compounds

						Qvalue
14) Acetophenone	8.31	105	8276	1.09	ng/ul	99
28) Naphthalene	10.32	128	579708	39.09	ng/ul	99
34) 2-Methylnaphthalene	11.95	142	435111	37.07	ng/ul	96
35) 1-Methylnaphthalene	12.17	142	428387	38.04	ng/ul#	100
41) 1,1'-Biphenyl	12.98	154	97165	7.97	ng/ul	95
45) Dimethylphthalate	13.62	163	98734	7.53	ng/ul#	96
48) Acenaphthylene	13.88	152	295054	19.44	ng/ul#	93
50) Acenaphthene	14.22	153	61772	6.25	ng/ul	97
54) Dibenzofuran	14.56	168	59689m	4.01	ng/ul	
57) Diethylphthalate	15.00	149	14794	1.09	ng/ul#	91
59) Fluorene	15.22	166	245618	19.11	ng/ul	98
70) Phenanthrene	16.97	178	1479762	98.25	ng/ul	93
72) Anthracene	17.05	178	159904	10.67	ng/ul	98
75) Carbazole	17.33	167	26649	2.14	ng/ul#	90
76) Di-n-butylphthalate	17.90	149	49926	3.01	ng/ul#	93
77) Fluoranthene	19.00	202	954419	57.70	ng/ul	96
80) Pyrene	19.36	202	1073250	50.16	ng/ul	96
81) Butylbenzylphthalate	20.28	149	54597	6.28	ng/ul#	76
83) Benzo(a)anthracene	21.12	228	625535	32.93	ng/ul	92
84) Bis(2-ethylhexyl)phthalate	21.06	149	168813	14.40	ng/ul	98
85) Chrysene	21.17	228	738547	42.44	ng/ul#	92
88) Benzo(b)fluoranthene	22.67	252	717667	31.71	ng/ul	97
89) Benzo(k)fluoranthene	22.71	252	241828m	11.63	ng/ul	

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018206.D
Acq On : 1 Aug 2015 6:23
Operator : TP/UM
Sample : G3065-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02G6

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM

Quant Time: Aug 01 07:33:24 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(a)pyrene	23.23	252	537228	26.53	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	25.54	276	305574	13.04	ng/ul#	88
93) Dibenzo(a,h)anthracene	25.54	278	81991	4.09	ng/ul#	85
94) Benzo(g,h,i)perylene	26.22	276	295607	15.45	ng/ul#	91

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

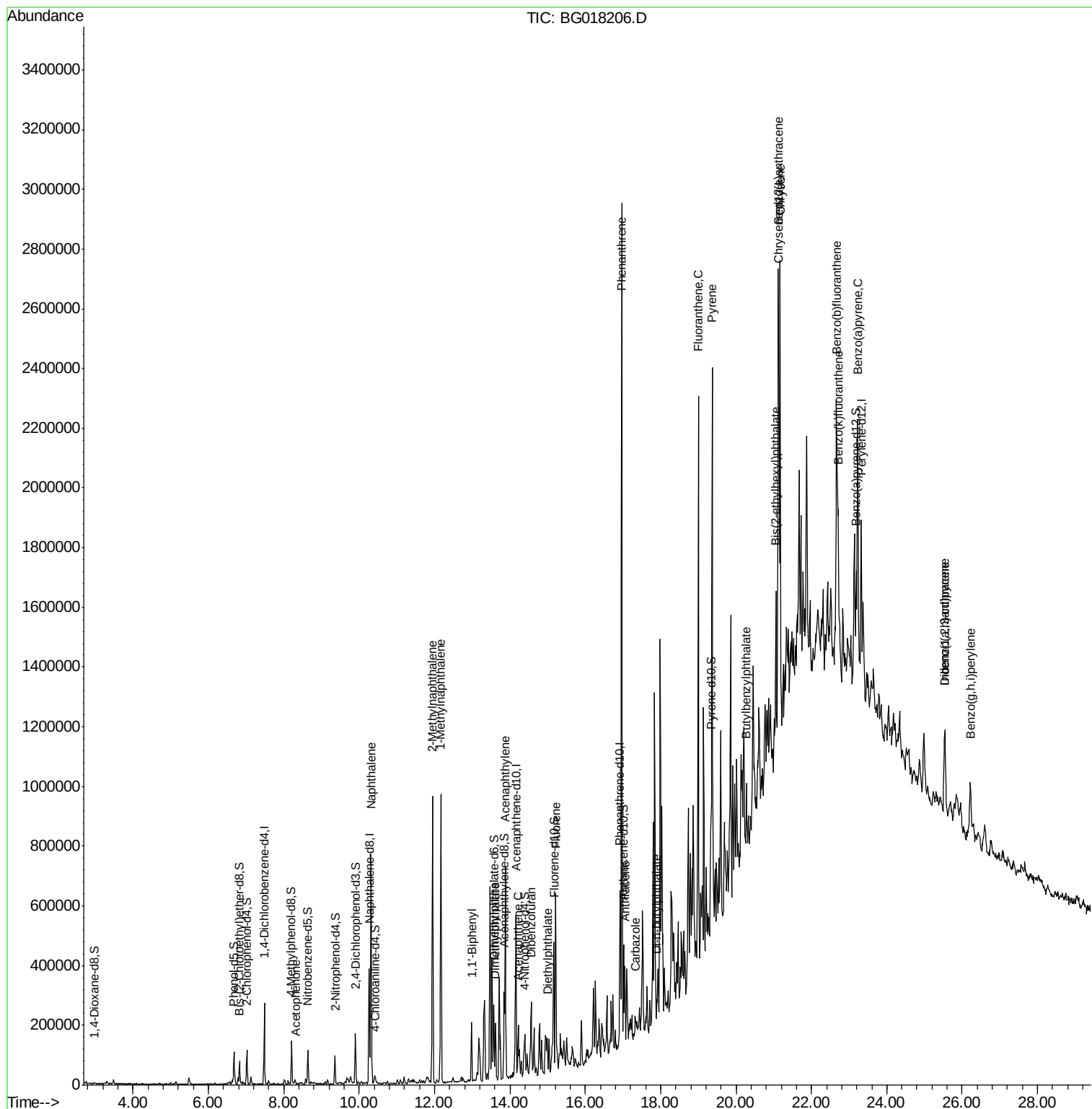
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
Data File : BG018206.D
Acq On : 1 Aug 2015 6:23
Operator : TP/UM
Sample : G3065-21
Misc :
ALS Vial : 26 Sample Multiplier: 1

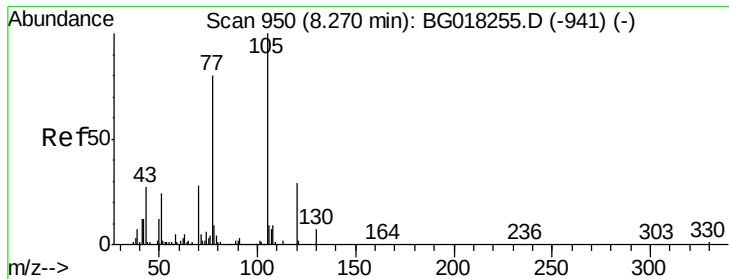
Instrument :
BNA_G
ClientSampleId :
C02G6

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM

Quant Time: Aug 01 07:33:24 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.09 ng/ul

RT: 8.31 min Scan# 957

Delta R.T. 0.01 min

Lab File: BG018206.D

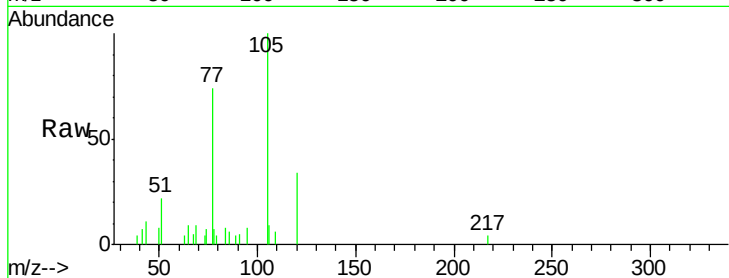
Acq: 1 Aug 2015 6:23

Instrument :

BNA_G

ClientSampleId :

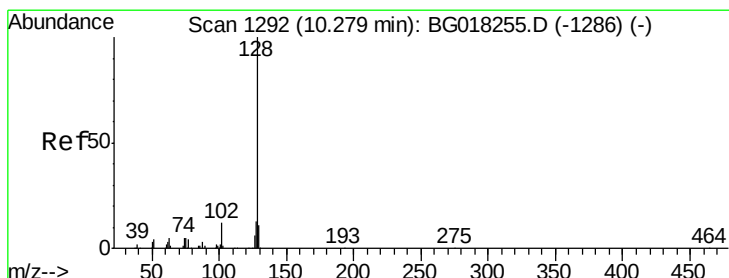
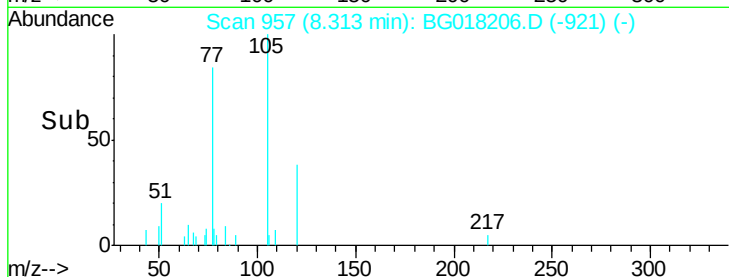
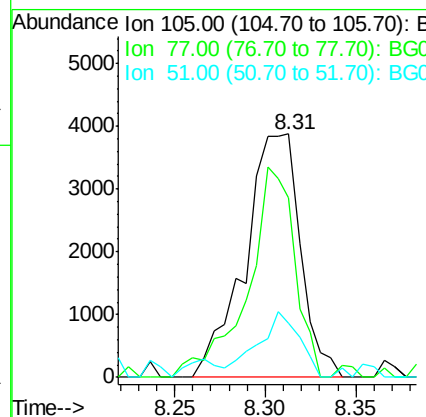
C02G6



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	8276		
77	73.7	58.4	87.6	
51	22.1	16.5	24.7	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM



#28

Naphthalene

Concen: 39.09 ng/ul

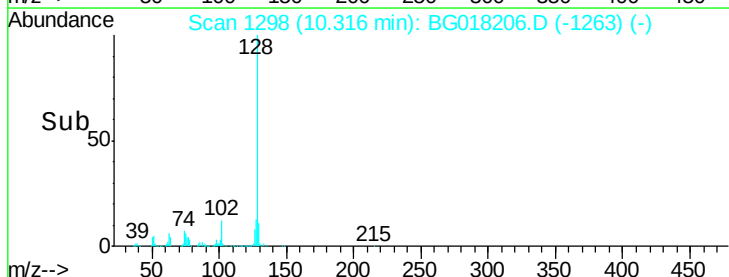
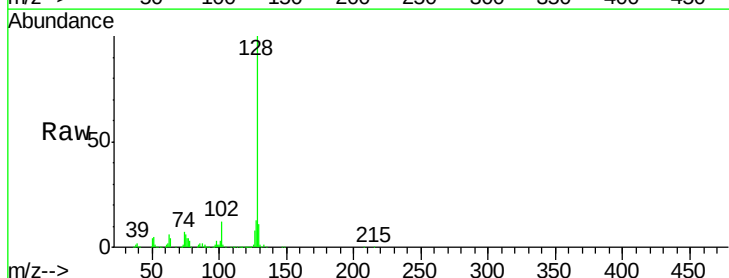
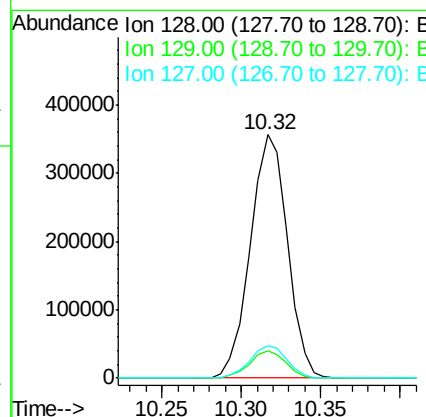
RT: 10.32 min Scan# 1298

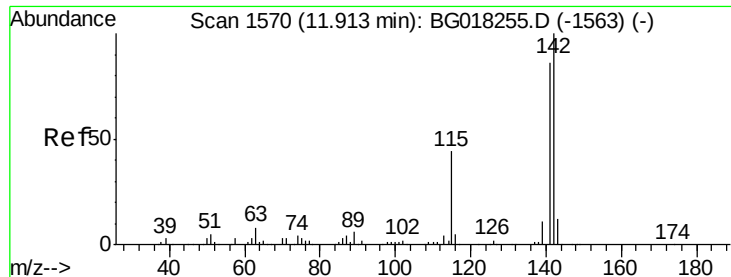
Delta R.T. 0.01 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	579708		
129	11.1	9.1	13.7	
127	13.3	11.2	16.8	





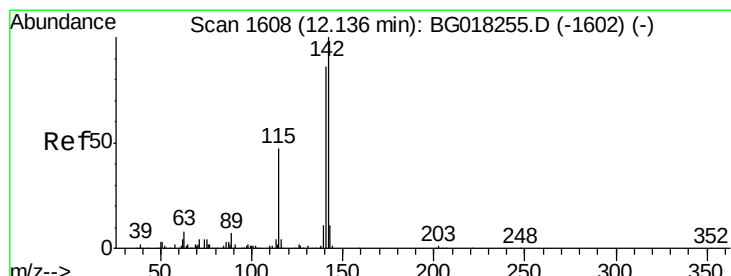
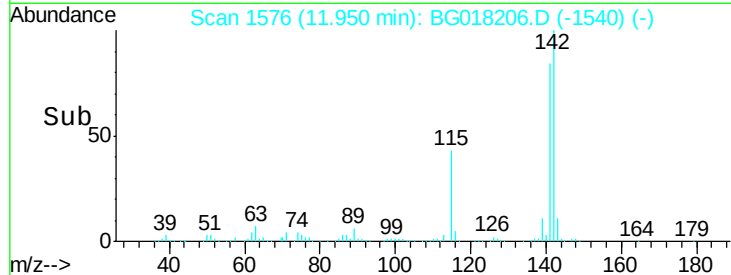
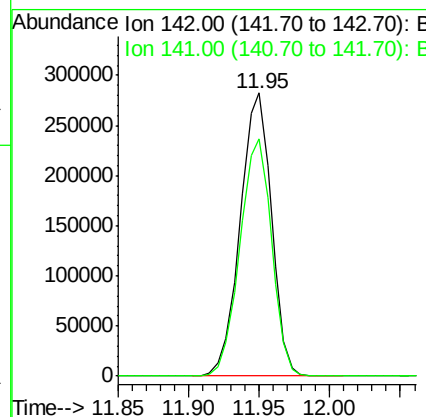
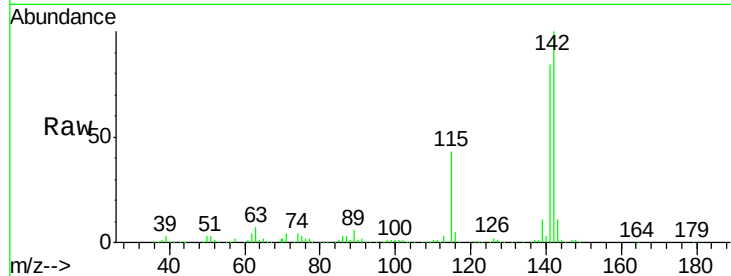
#34
 2-Methylnaphthalene
 Concen: 37.07 ng/ul
 RT: 11.95 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Instrument :
 BNA_G
 ClientSampleId :
 C02G6

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	435111		
141	84.0	70.3	105.5	

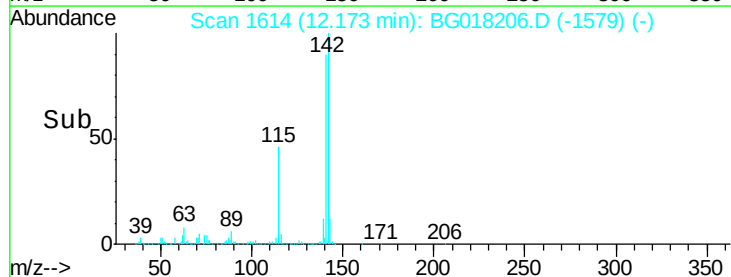
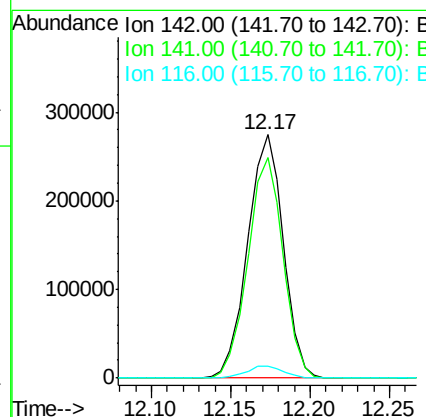
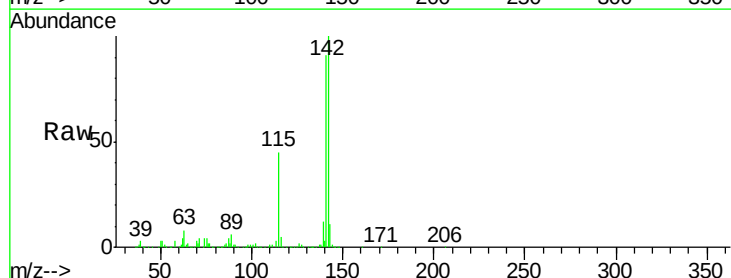
Manual Integrations
 APPROVED

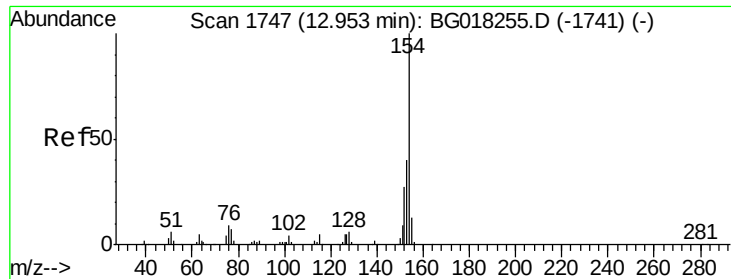
MMDadoda
 8/4/2015 12:23:22 PM



#35
 1-Methylnaphthalene
 Concen: 38.04 ng/ul
 RT: 12.17 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	428387		
141	90.6	72.5	108.7	
116	4.7	2.6	4.0#	





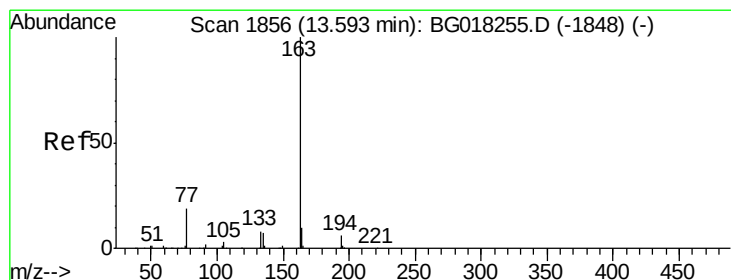
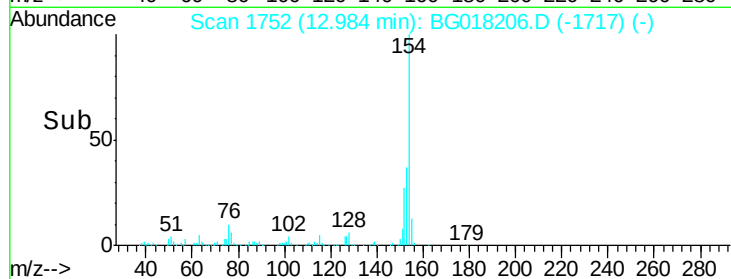
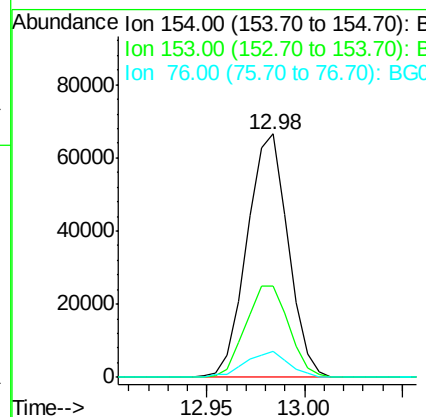
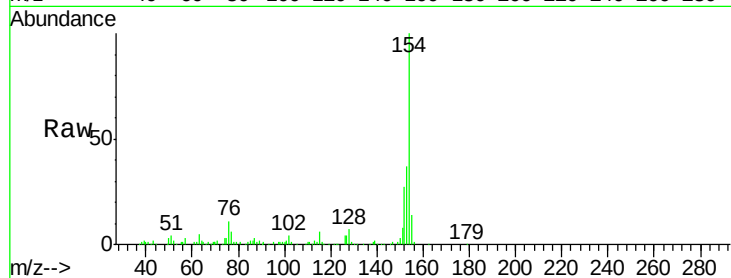
#41
 1,1'-Biphenyl
 Concen: 7.97 ng/ul
 RT: 12.98 min Scan# 1752
 Delta R.T. 0.01 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Instrument :
 BNA_G
 ClientSampleId :
 C02G6

Tgt Ion:	154	Resp:	97165
Ion Ratio	Lower	Upper	
154	100		
153	37.5	32.3	48.5
76	10.7	7.4	11.0

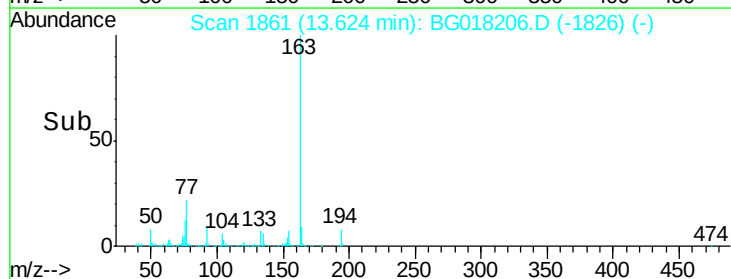
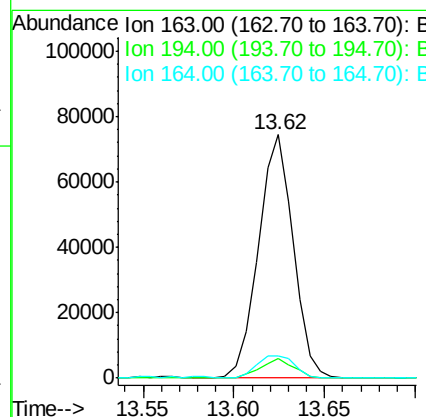
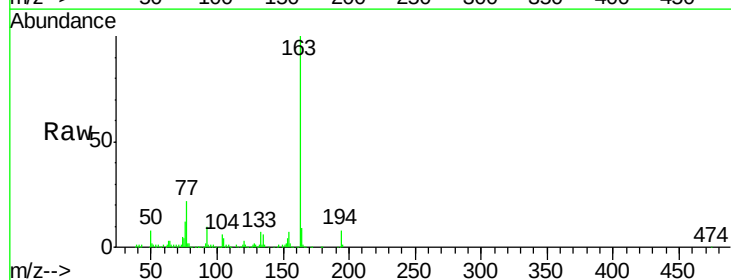
Manual Integrations
 APPROVED

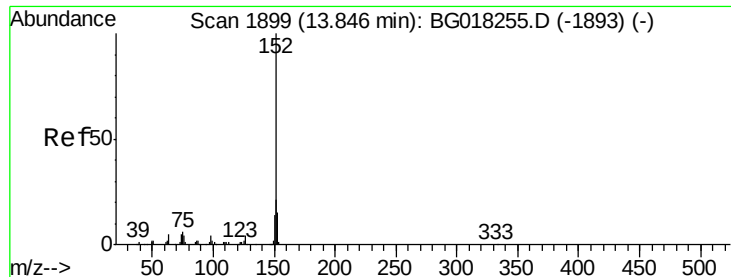
MMDadoda
 8/4/2015 12:23:22 PM



#45
 Dimethylphthalate
 Concen: 7.53 ng/ul
 RT: 13.62 min Scan# 1861
 Delta R.T. 0.01 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Tgt Ion:	163	Resp:	98734
Ion Ratio	Lower	Upper	
163	100		
194	8.0	5.2	7.8#
164	8.9	8.4	12.6





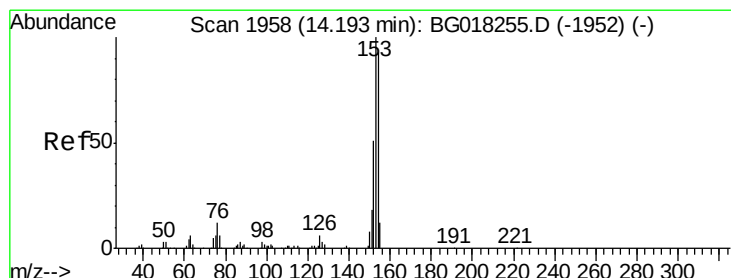
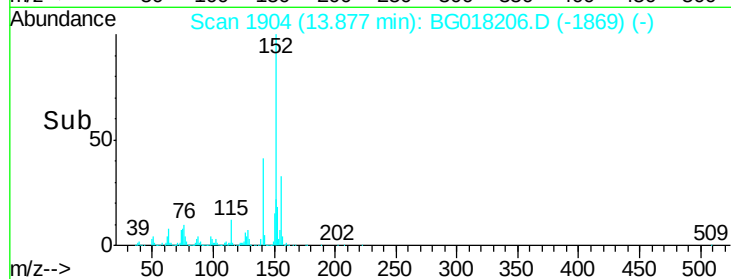
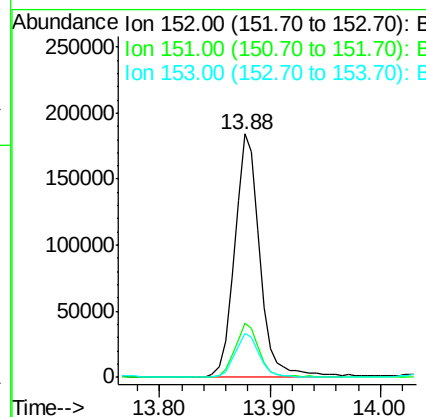
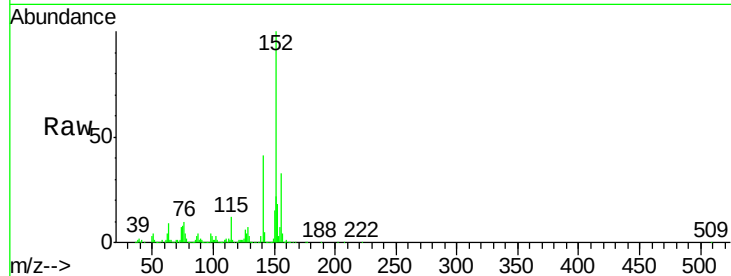
#48
Acenaphthylene
Concen: 19.44 ng/ul
RT: 13.88 min Scan# 1904
Delta R.T. 0.01 min
Lab File: BG018206.D
Acq: 1 Aug 2015 6:23

Instrument :
BNA_G
ClientSampleId :
C02G6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	295054		
151	22.3	16.0	24.0	
153	17.9	11.0	16.4	

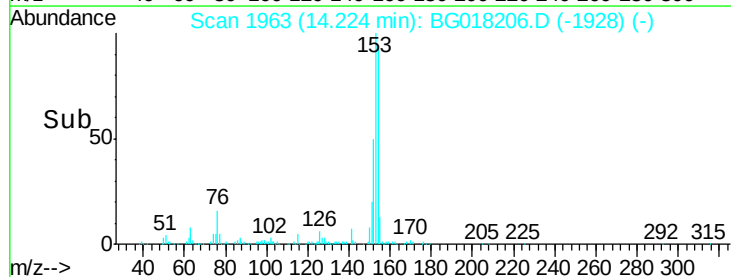
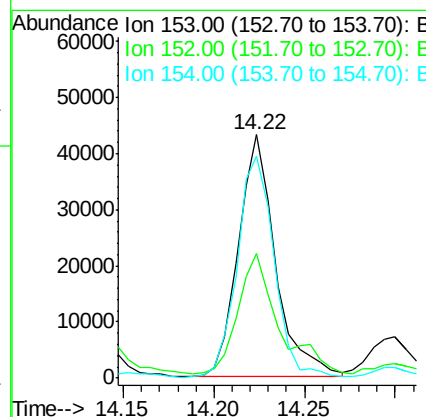
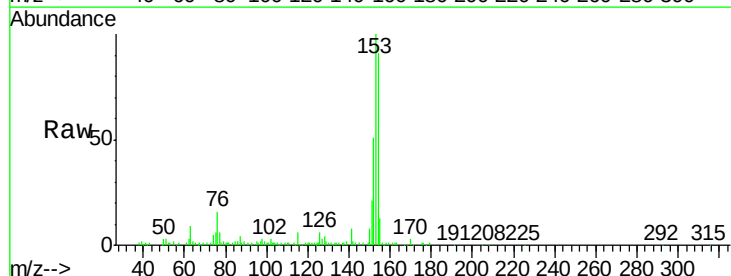
Manual Integrations
APPROVED

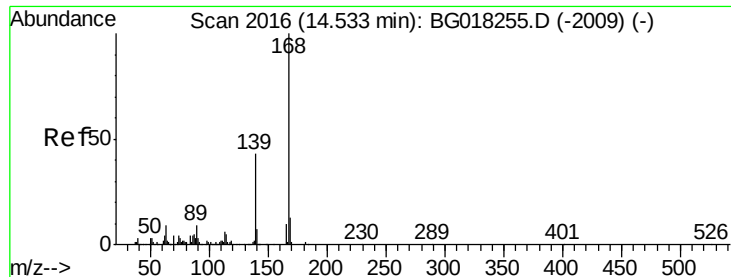
MMDadoda
8/4/2015 12:23:22 PM



#50
Acenaphthene
Concen: 6.25 ng/ul
RT: 14.22 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BG018206.D
Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	61772		
152	51.4	38.7	58.1	
154	91.3	74.8	112.2	





#54

Dibenzenofuran

Concen: 4.01 ng/ul m

RT: 14.56 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Instrument :

BNA_G

ClientSampleId :

C02G6

Tgt Ion:168 Resp: 59689

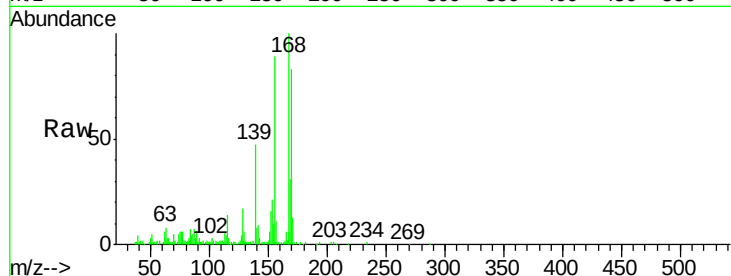
Ion Ratio Lower Upper

168 100

139 47.0 26.8 40.2#

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

40000

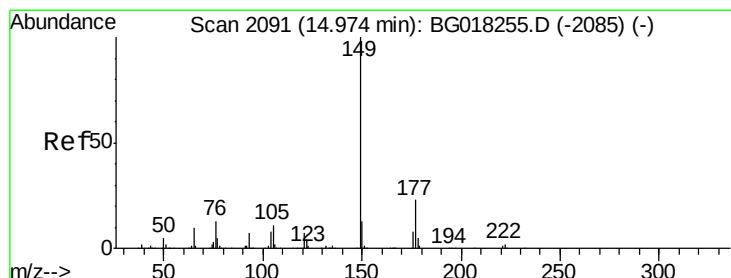
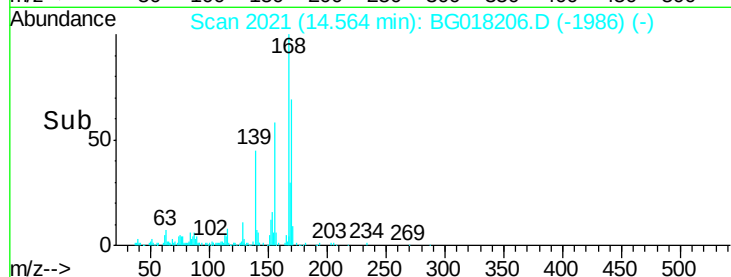
30000

20000

10000

0

Time--> 14.50 14.55 14.60



#57

Diethylphthalate

Concen: 1.09 ng/ul

RT: 15.00 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

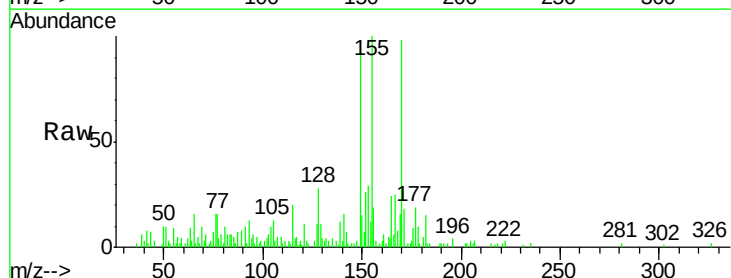
Tgt Ion:149 Resp: 14794

Ion Ratio Lower Upper

149 100

177 20.7 20.1 30.1

150 16.2 10.0 15.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

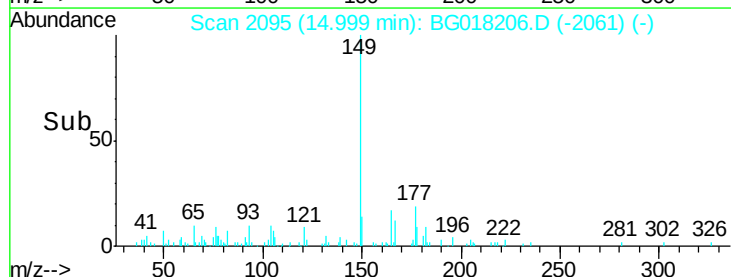
Ion 150.00 (149.70 to 150.70): E

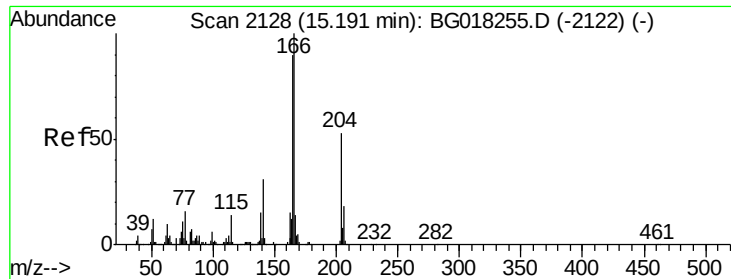
10000

5000

0

Time--> 14.95 15.00 15.05





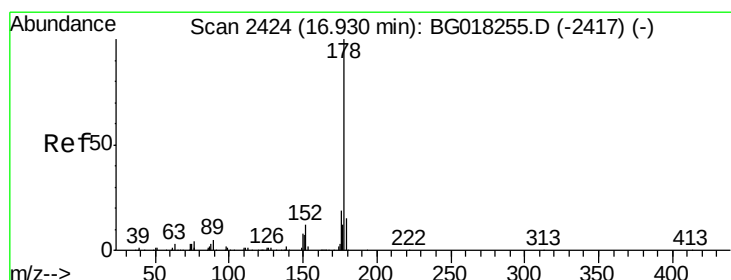
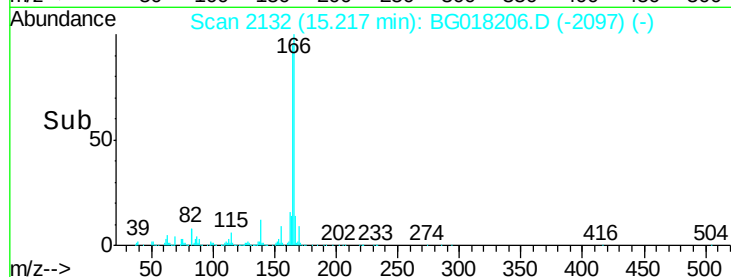
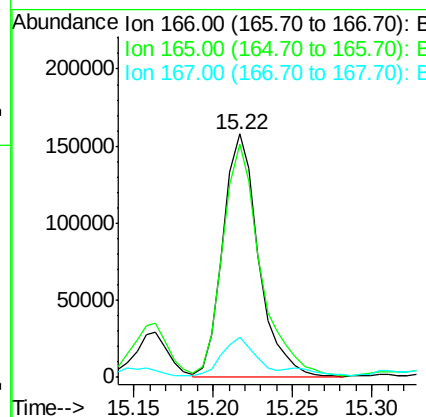
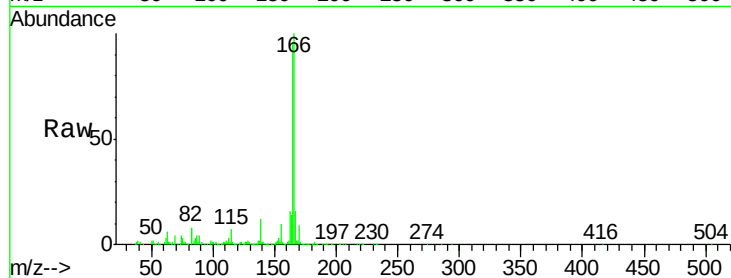
#59
Fluorene
 Concen: 19.11 ng/ul
 RT: 15.22 min Scan# 2132
 Delta R.T. 0.01 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Instrument :
 BNA_G
 ClientSampleId :
 C02G6

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	245618		
165	95.6	75.1	112.7	
167	16.3	11.8	17.6	

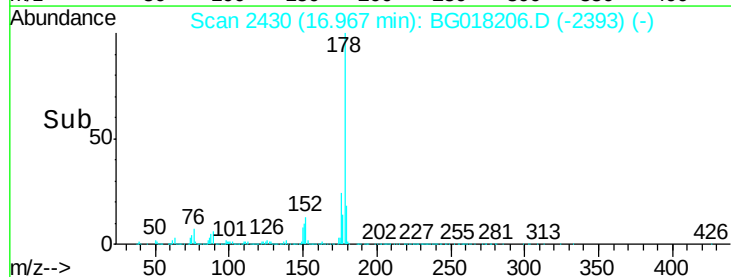
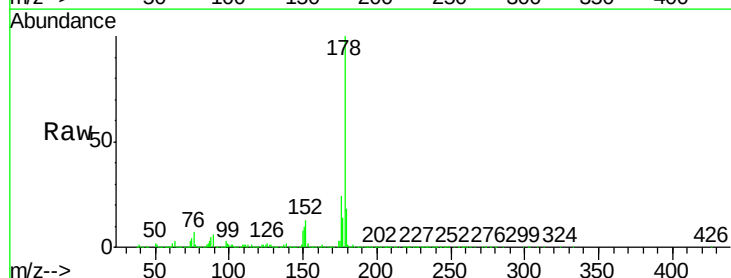
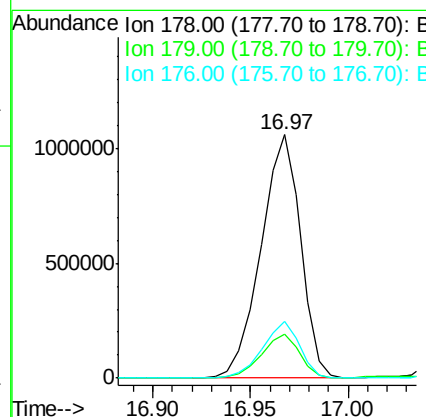
Manual Integrations
 APPROVED

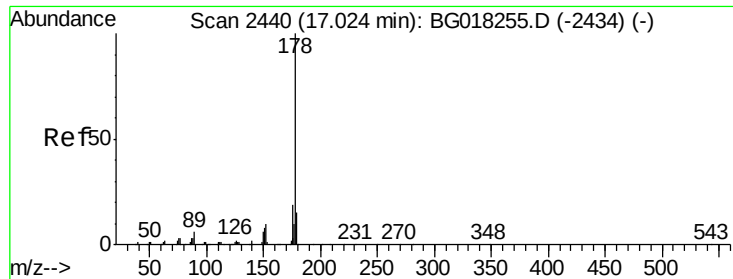
MMDadoda
 8/4/2015 12:23:22 PM



#70
Phenanthrene
 Concen: 98.25 ng/ul
 RT: 16.97 min Scan# 2430
 Delta R.T. 0.02 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1479762		
179	18.2	12.8	19.2	
176	23.6	16.0	24.0	





#72

Anthracene

Concen: 10.67 ng/ul

RT: 17.05 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Instrument :

BNA_G

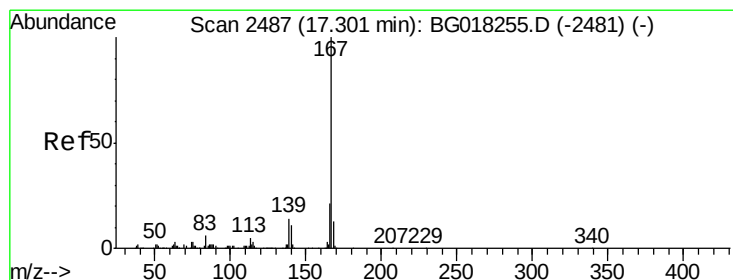
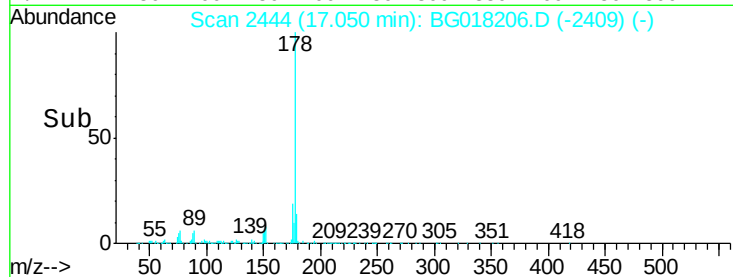
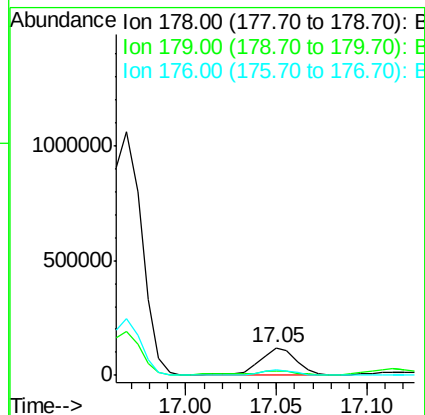
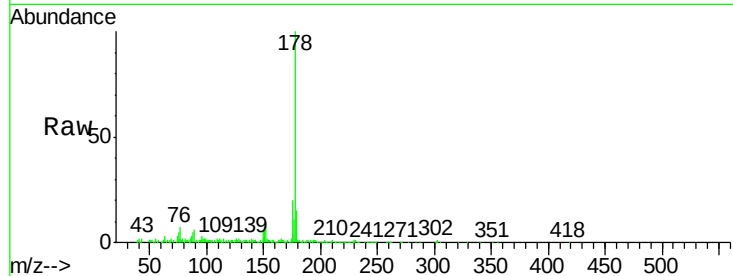
ClientSampled :

C02G6

Tgt Ion:	178	Resp:	159904
Ion Ratio	Lower	Upper	
178	100		
179	14.7	12.2	18.2
176	19.5	14.8	22.2

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM



#75

Carbazole

Concen: 2.14 ng/ul

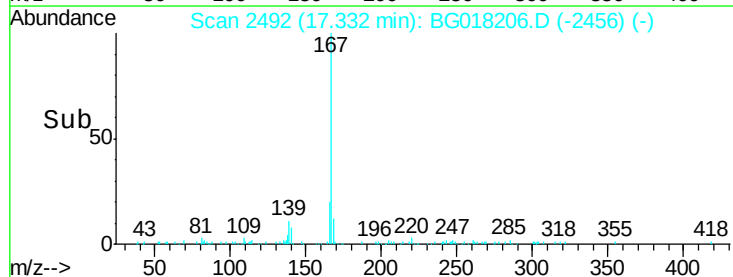
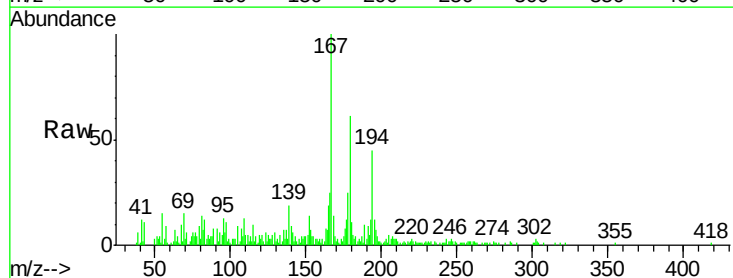
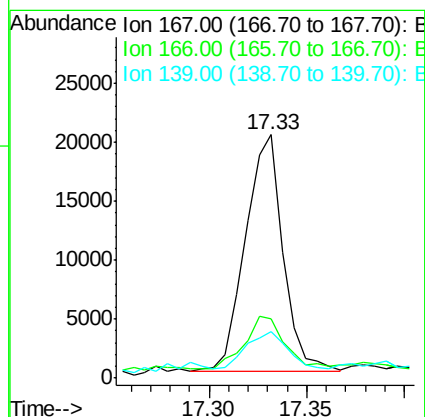
RT: 17.33 min Scan# 2492

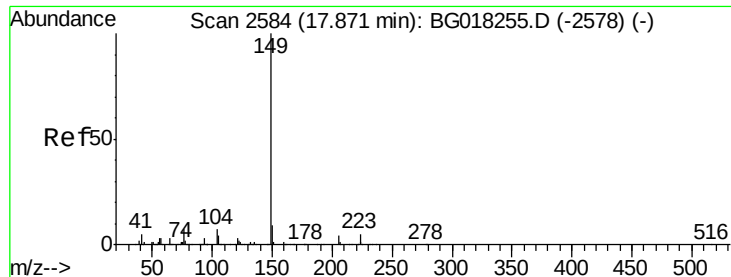
Delta R.T. 0.01 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Tgt Ion:	167	Resp:	26649
Ion Ratio	Lower	Upper	
167	100		
166	24.5	17.5	26.3
139	19.2	10.1	15.1#





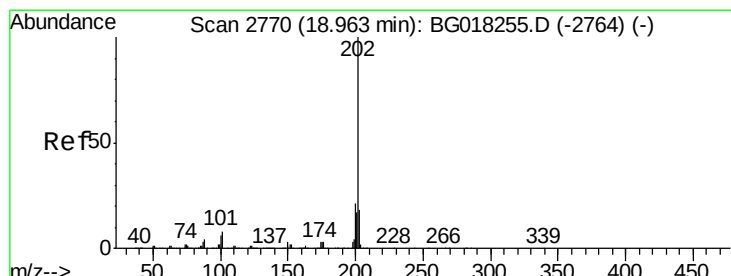
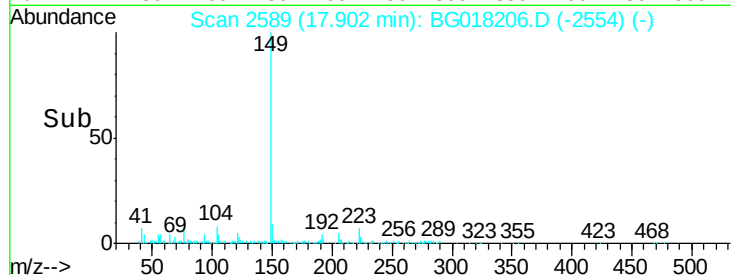
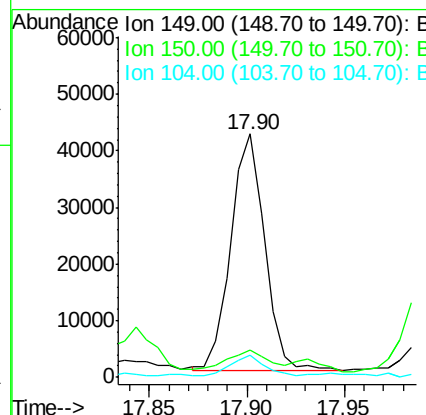
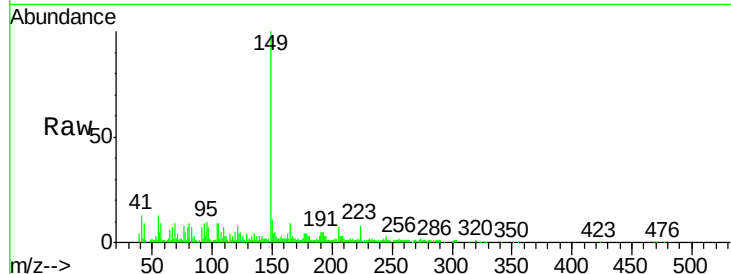
#76
Di-n-butylphthalate
Concen: 3.01 ng/ul
RT: 17.90 min Scan# 2589
Delta R.T. 0.01 min
Lab File: BG018206.D
Acq: 1 Aug 2015 6:23

Instrument :
BNA_G
ClientSampled :
C02G6

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	11.0	7.7	11.5
104	9.1	3.6	5.4

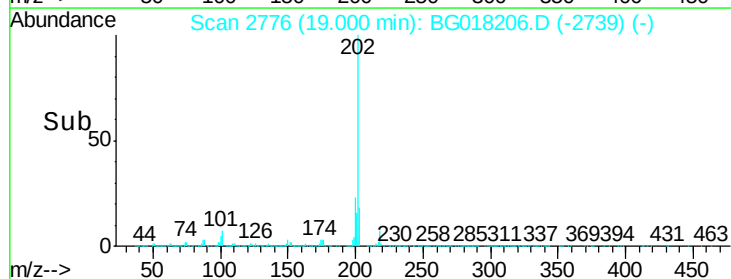
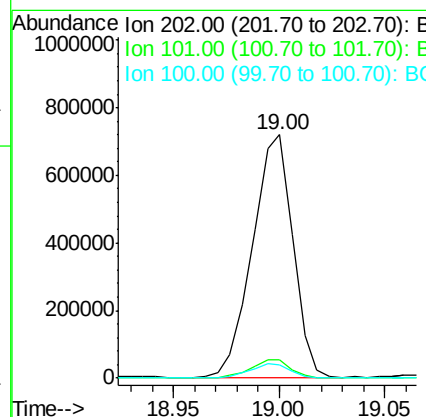
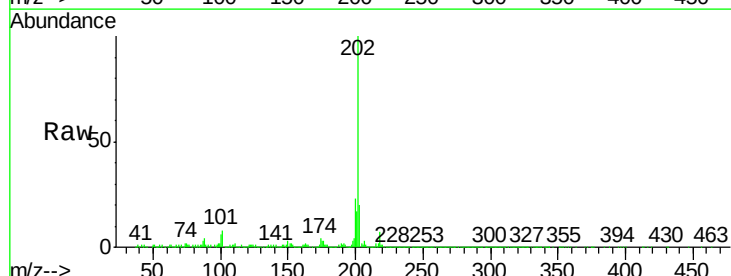
Manual Integrations
APPROVED

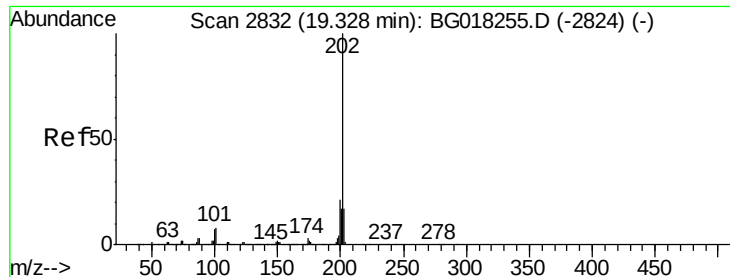
MMDadoda
8/4/2015 12:23:22 PM



#77
Fluoranthene
Concen: 57.70 ng/ul
RT: 19.00 min Scan# 2776
Delta R.T. 0.02 min
Lab File: BG018206.D
Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.6	7.5	11.3
100	5.6	5.5	8.3





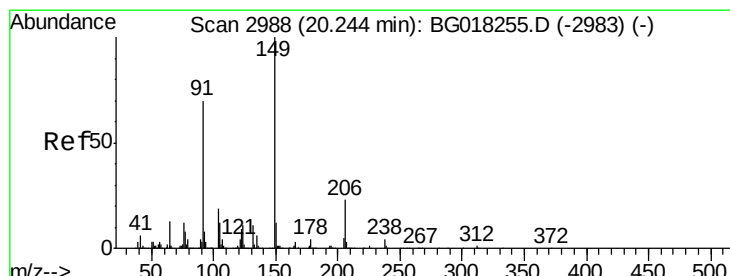
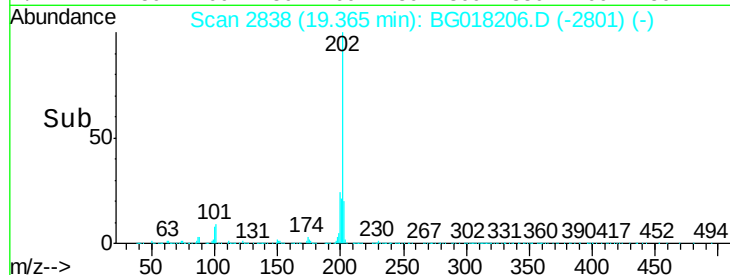
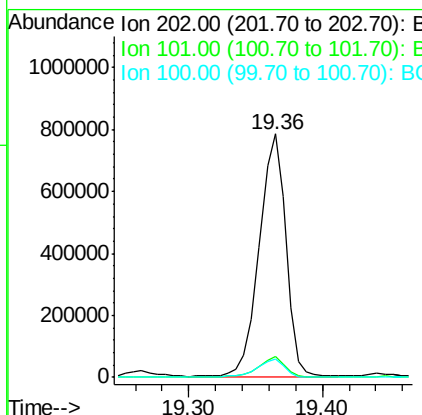
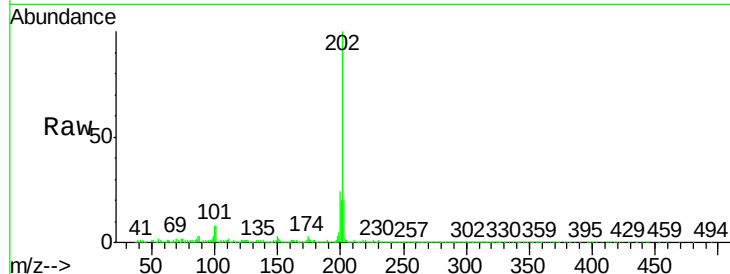
#80
 Pyrene
 Concen: 50.16 ng/ul
 RT: 19.36 min Scan# 2838
 Delta R.T. 0.02 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Instrument :
 BNA_G
 ClientSampleId :
 C02G6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	8.1	12.1
100	7.5	7.4	11.0

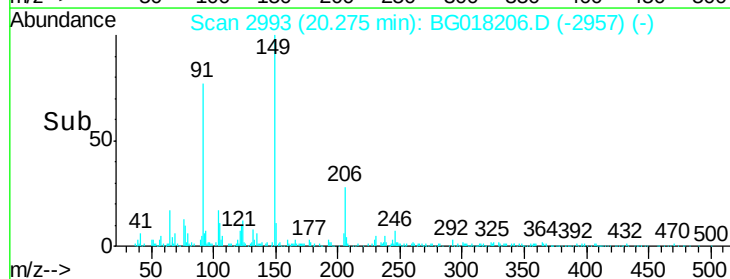
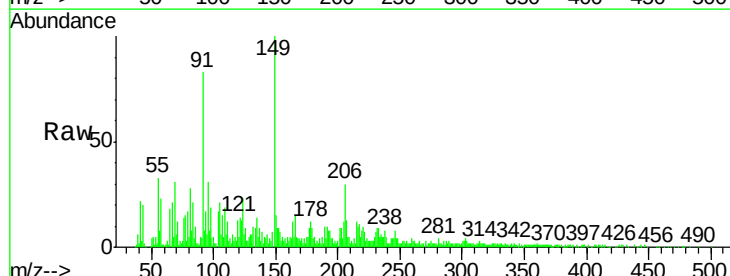
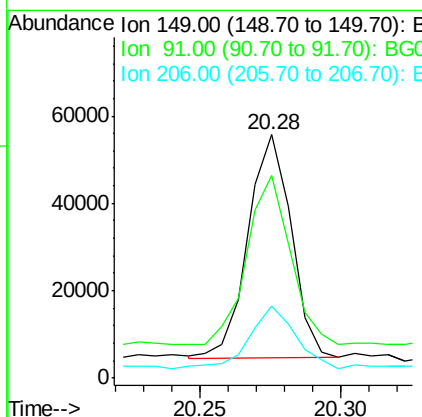
Manual Integrations
 APPROVED

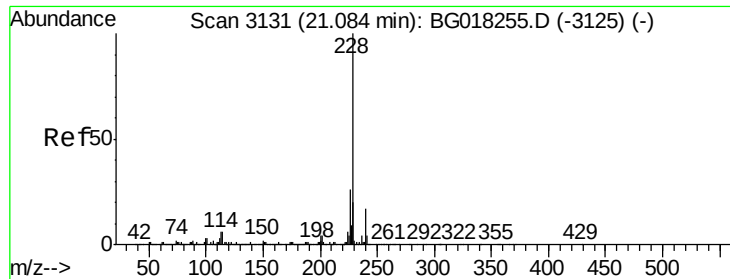
MMDadoda
 8/4/2015 12:23:22 PM



#81
 Butylbenzylphthalate
 Concen: 6.28 ng/ul
 RT: 20.28 min Scan# 2993
 Delta R.T. 0.01 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Lower	Upper
149	100		
91	83.2	46.6	69.8#
206	29.7	21.8	32.8





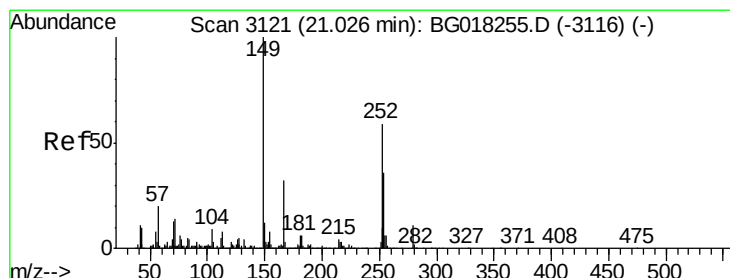
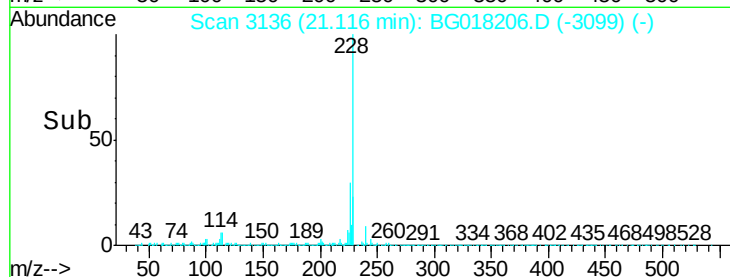
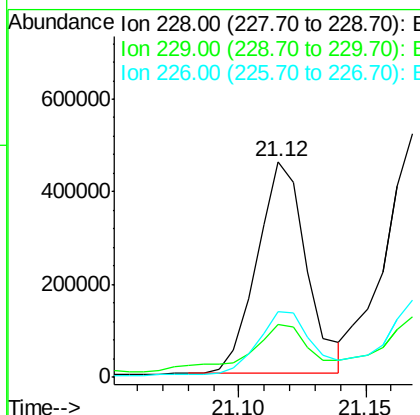
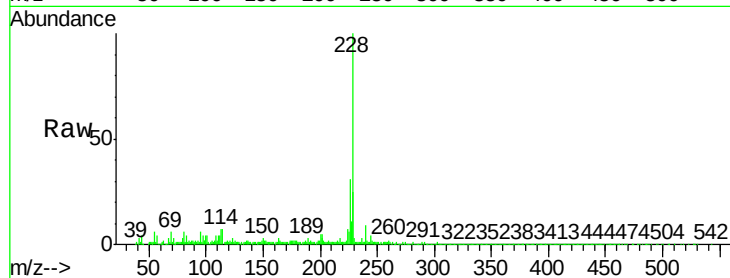
#83
Benzo(a)anthracene
Concen: 32.93 ng/ul
RT: 21.12 min Scan# 3136
Delta R.T. 0.02 min
Lab File: BG018206.D
Acq: 1 Aug 2015 6:23

Instrument :
BNA_G
ClientSampleId :
C02G6

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	24.7	16.5	24.7
226	30.6	21.5	32.3

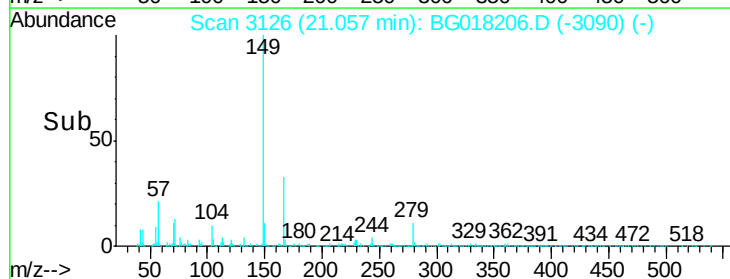
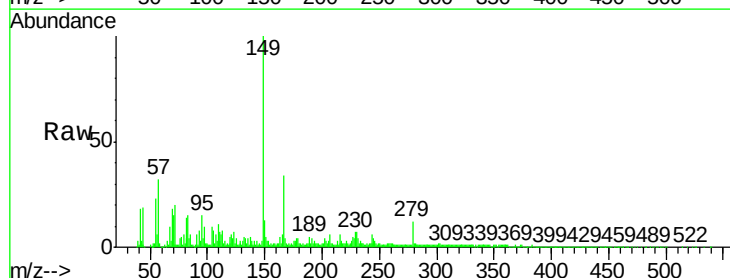
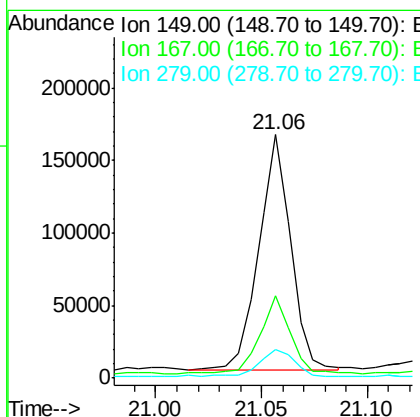
Manual Integrations
APPROVED

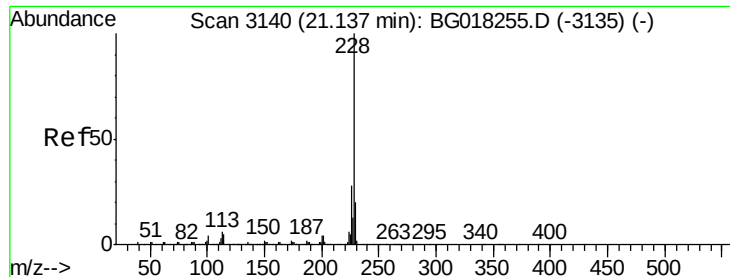
MMDadoda
8/4/2015 12:23:22 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 14.40 ng/ul
RT: 21.06 min Scan# 3126
Delta R.T. 0.01 min
Lab File: BG018206.D
Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	33.6	27.4	41.2
279	11.7	8.3	12.5





#85

Chrysene

Concen: 42.44 ng/ul

RT: 21.17 min Scan# 3145

Delta R.T. 0.02 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Instrument :

BNA_G

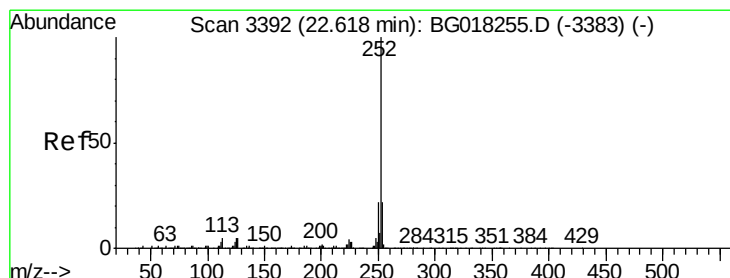
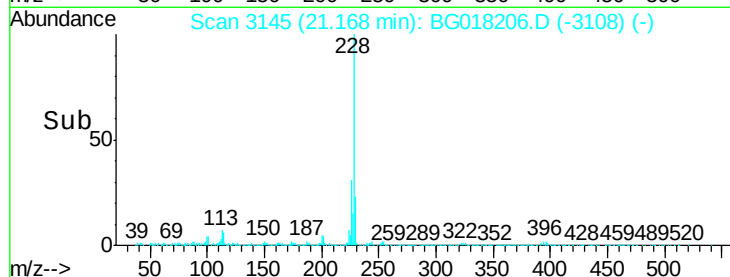
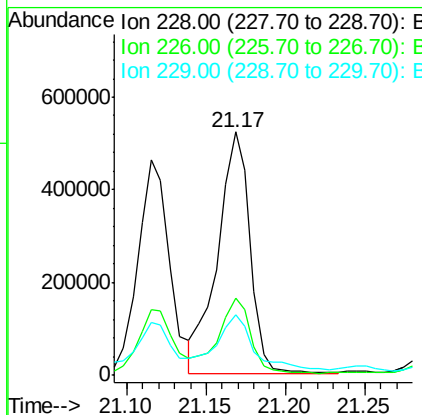
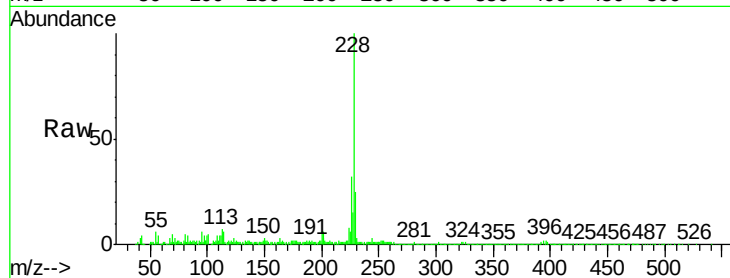
ClientSampleId :

C02G6

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		738547		
226	31.7		22.7	34.1	
229	25.1		16.2	24.2	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM



#88

Benzo(b)fluoranthene

Concen: 31.71 ng/ul

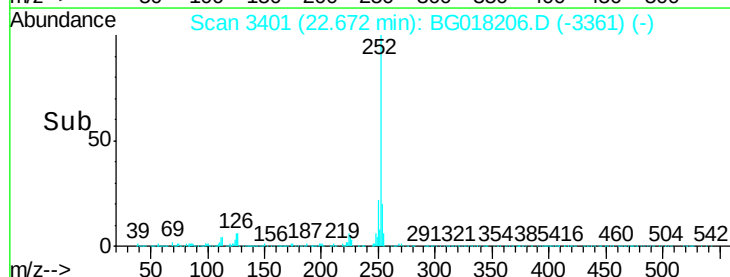
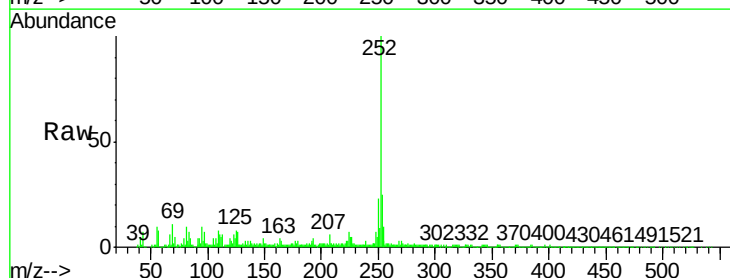
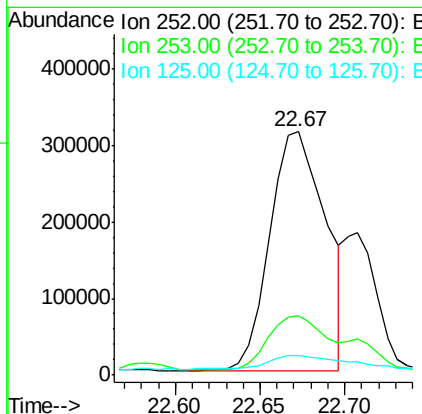
RT: 22.67 min Scan# 3401

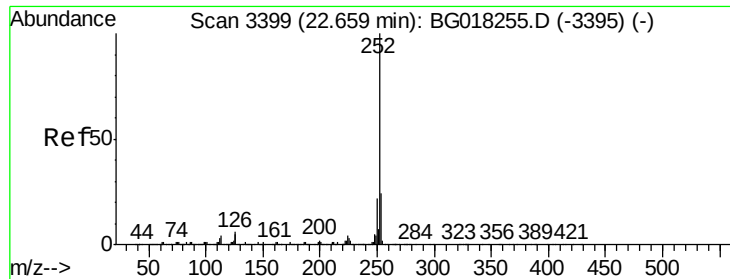
Delta R.T. 0.04 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		717667		
253	24.5		18.5	27.7	
125	8.3		7.4	11.0	





#89

Benzo(k)fluoranthene

Concen: 11.63 ng/ul m

RT: 22.71 min Scan# 3407

Delta R.T. 0.03 min

Lab File: BG018206.D

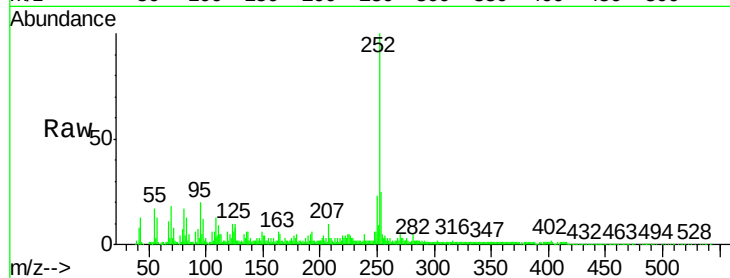
Acq: 1 Aug 2015 6:23

Instrument :

BNA_G

ClientSampleId :

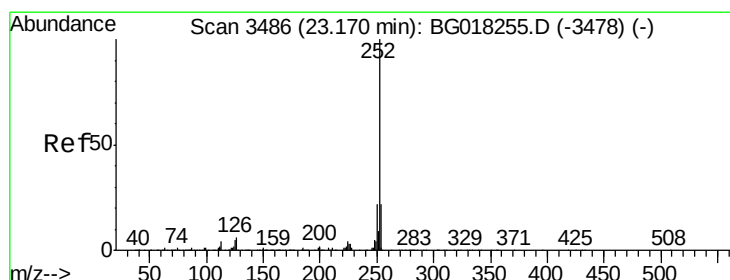
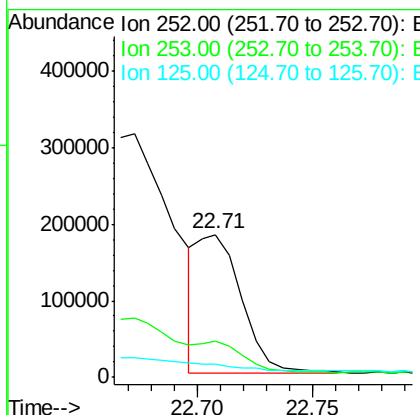
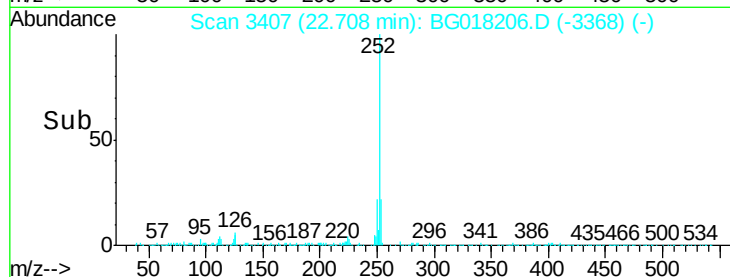
C02G6



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	241828		
253	25.2	18.2	27.2	
125	9.6	7.5	11.3	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM



#91

Benzo(a)pyrene

Concen: 26.53 ng/ul

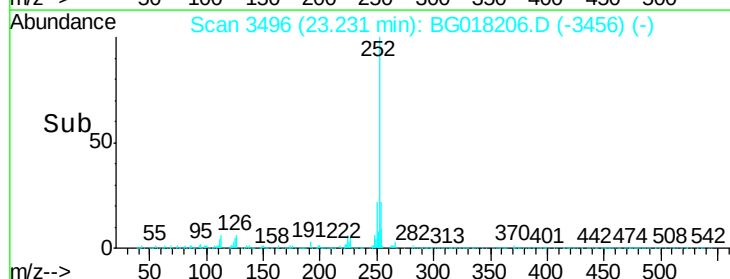
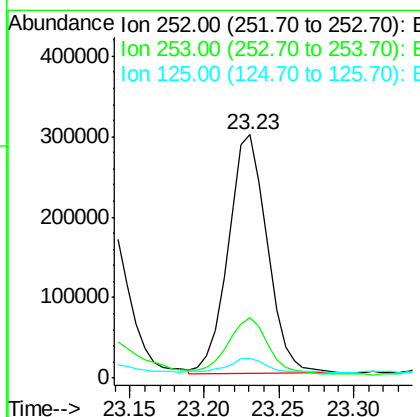
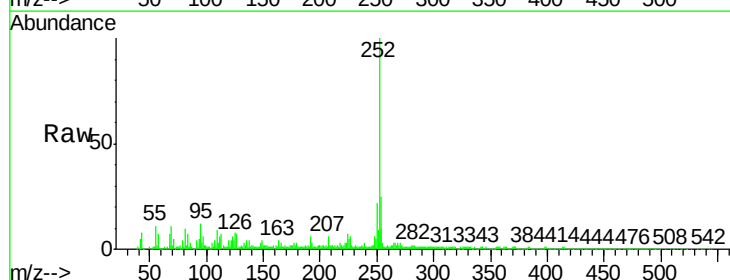
RT: 23.23 min Scan# 3496

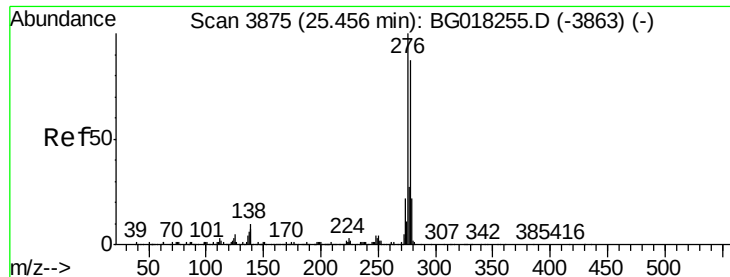
Delta R.T. 0.04 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	537228		
253	24.7	17.4	26.2	
125	7.8	7.3	10.9	





#92

Indeno(1,2,3-cd)pyrene

Concen: 13.04 ng/ul

RT: 25.54 min Scan# 3889

Delta R.T. 0.07 min

Lab File: BG018206.D

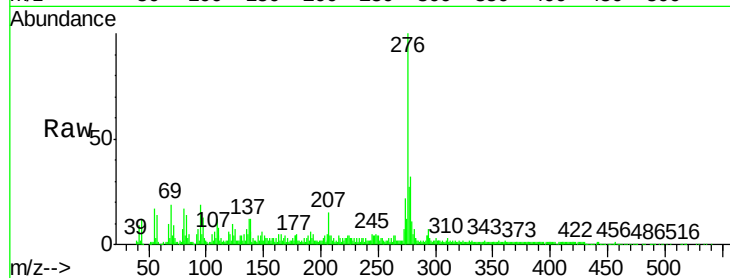
Acq: 1 Aug 2015 6:23

Instrument :

BNA_G

ClientSampleId :

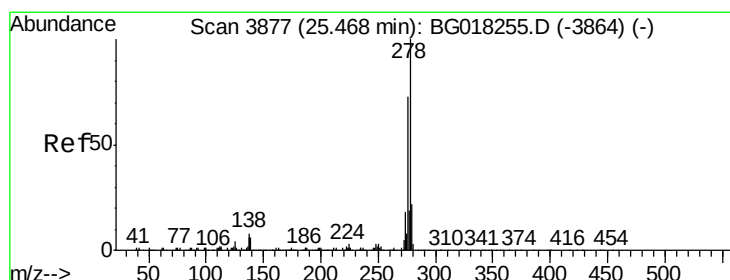
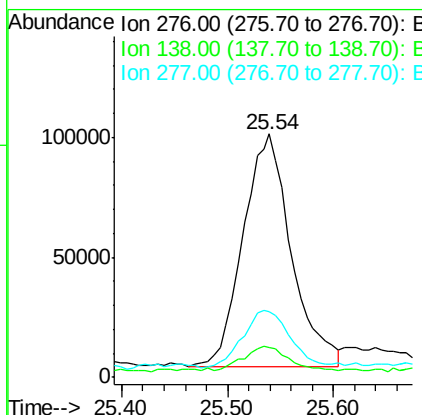
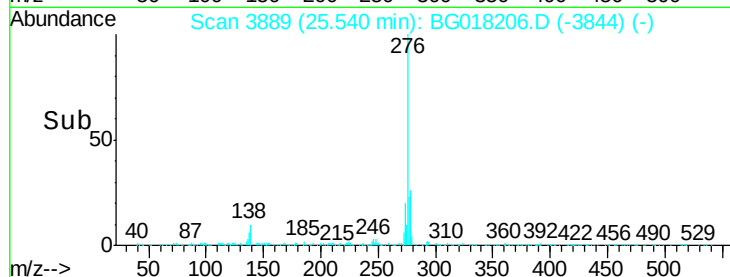
C02G6



Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.1	17.2	25.8#
277	26.8	19.5	29.3

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:23:22 PM



#93

Dibenzo(a,h)anthracene

Concen: 4.09 ng/ul

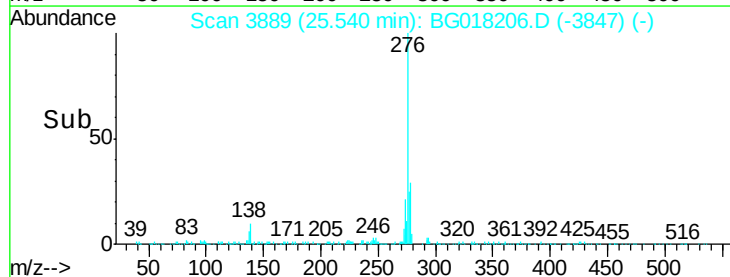
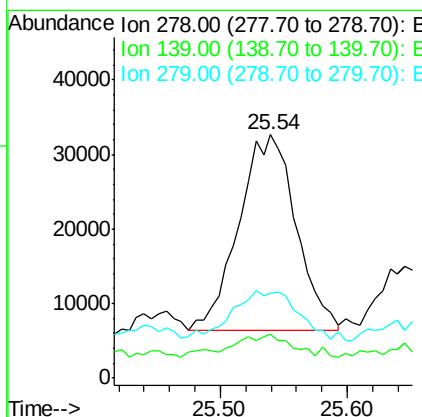
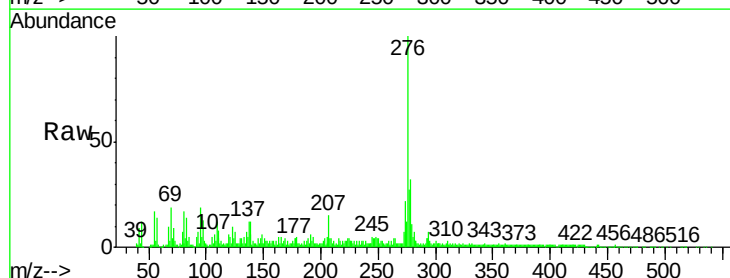
RT: 25.54 min Scan# 3889

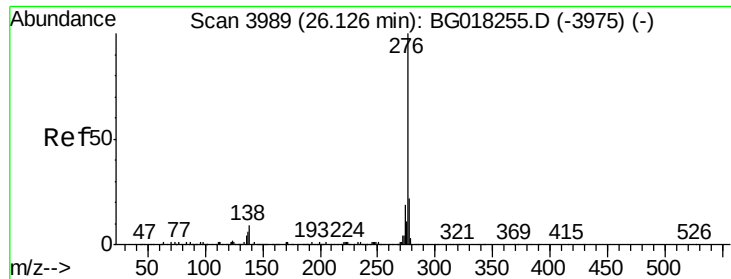
Delta R.T. 0.05 min

Lab File: BG018206.D

Acq: 1 Aug 2015 6:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	12.2	18.2#
279	34.8	20.0	30.0#





#94
 Benzo(g,h,i)perylene
 Concen: 15.45 ng/ul
 RT: 26.22 min Scan# 4005
 Delta R.T. 0.08 min
 Lab File: BG018206.D
 Acq: 1 Aug 2015 6:23

Instrument :
 BNA_G
 ClientSampleId :
 C02G6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.9	15.1	22.7#
277	25.2	19.8	29.6

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:23:22 PM

