

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
 Data File : BG018290.D
 Acq On : 6 Aug 2015 2:41
 Operator : UM/TP
 Sample : G3109-21RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F5RE

Manual Integrations
 APPROVED

apatel
 8/10/2015 9:24:53 AM

Quant Time: Aug 14 03:15:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 06 03:42:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	48389	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	210470	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.12	164	119215	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.88	188	183118	20.00	ng/ul	0.01
78) Chrysene-d12	21.10	240	160345	20.00	ng/ul	0.02
86) Perylene-d12	23.28	264	168692	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.92	96	1374	2.45	ng/uL	0.01
5) Phenol-d5	6.65	99	56472	14.84	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.78	67	28546	15.52	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	48171	15.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.18	113	36269	11.29	ng/ul	0.01
19) Nitrobenzene-d5	8.60	128	26728	16.40	ng/ul	0.01
22) 2-Nitrophenol-d4	9.31	143	32633	17.31	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.87	165	54435	15.71	ng/ul	0.01
29) 4-Chloroaniline-d4	10.38	131	10479	2.52	ng/ul	0.02
44) Dimethylphthalate-d6	13.54	166	162997	17.68	ng/ul	0.01
47) Acenaphthylene-d8	13.81	160	182199	17.43	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	17132	11.26	ng/ul	0.02
58) Fluorene-d10	15.13	176	127870	15.44	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.28	200	4964	3.92	ng/ul	0.02
71) Anthracene-d10	16.98	188	130520	16.20	ng/ul	0.01
79) Pyrene-d10	19.30	212	97453	10.86	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.14	264	133672m	15.23	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	22459	2.27	ng/ul#	90
34) 2-Methylnaphthalene	11.90	142	13963	1.76	ng/ul	99
45) Dimethylphthalate	13.59	163	88222	9.59	ng/ul	99
50) Acenaphthene	14.19	153	37092	5.32	ng/ul	91
54) Dibenzofuran	14.53	168	28722	2.80	ng/ul	98
59) Fluorene	15.18	166	38307	4.25	ng/ul	88
70) Phenanthrene	16.93	178	634033	68.61	ng/ul	96
72) Anthracene	17.02	178	109072	11.83	ng/ul	98
75) Carbazole	17.30	167	53715	6.90	ng/ul	94
76) Di-n-butylphthalate	17.86	149	61690	5.65	ng/ul#	97
77) Fluoranthene	18.97	202	813246	79.34	ng/ul#	94
80) Pyrene	19.33	202	627566	56.29	ng/ul	97
81) Butylbenzylphthalate	20.24	149	20693	4.79	ng/ul#	78
83) Benzo(a)anthracene	21.09	228	369211	43.62	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.02	149	142086	27.30	ng/ul#	95
85) Chrysene	21.14	228	415088	54.59	ng/ul	95
88) Benzo(b)fluoranthene	22.63	252	548269	52.99	ng/ul#	97
89) Benzo(k)fluoranthene	22.66	252	208595m	21.03	ng/ul	
91) Benzo(a)pyrene	23.19	252	365106	40.42	ng/ul#	99
92) Indeno(1,2,3-cd)pyrene	25.48	276	194278	17.38	ng/ul	97
93) Dibenzo(a,h)anthracene	25.48	278	52115	5.31	ng/ul#	85
94) Benzo(g,h,i)perylene	26.16	276	152573	16.82	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
Data File : BG018290.D
Acq On : 6 Aug 2015 2:41
Operator : UM/TP
Sample : G3109-21RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F5RE

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM

Quant Time: Aug 14 03:15:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration

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

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

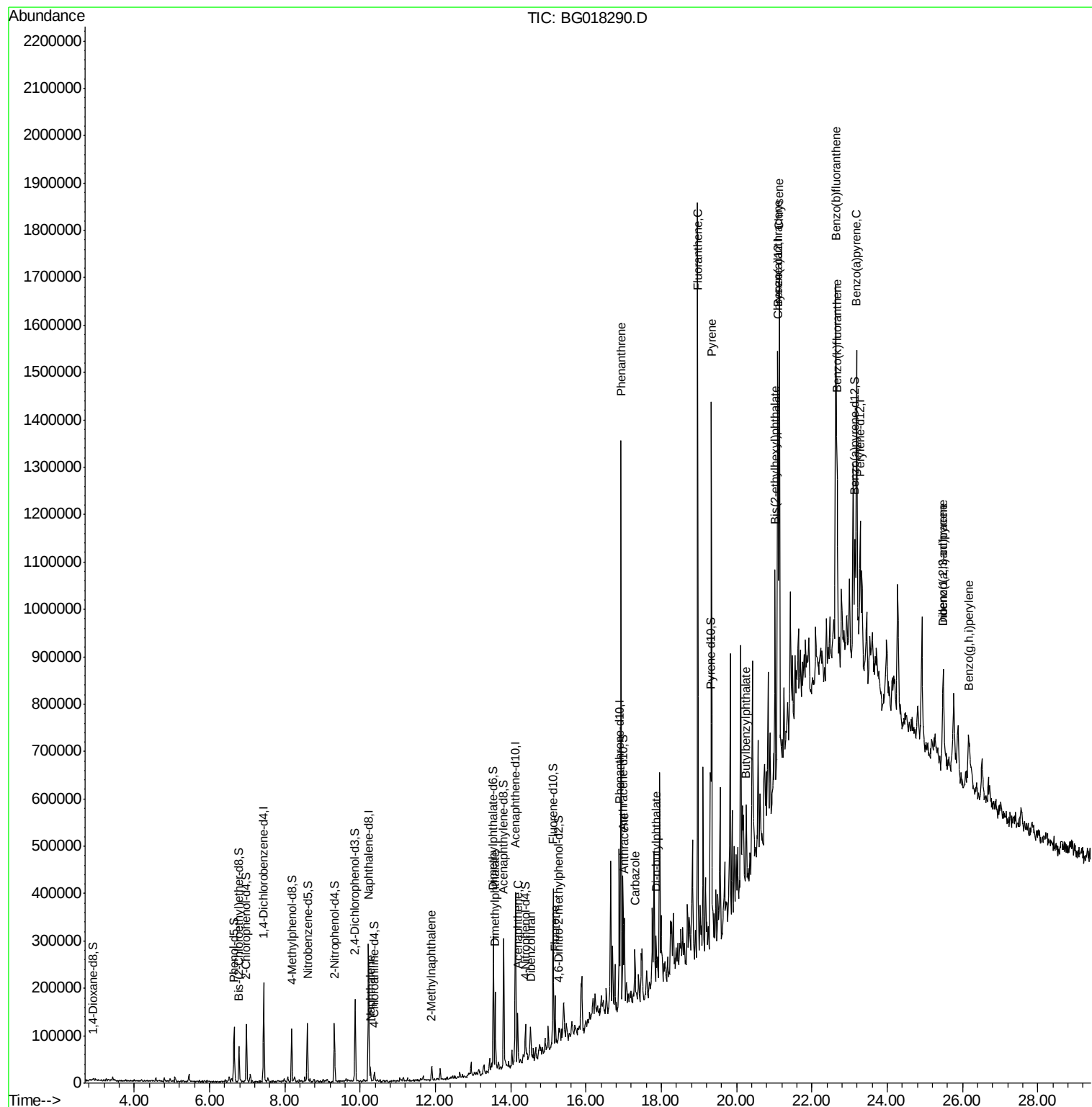
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080515\
Data File : BG018290.D
Acq On : 6 Aug 2015 2:41
Operator : UM/TP
Sample : G3109-21RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

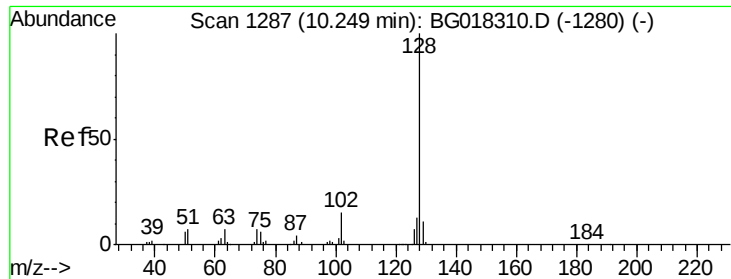
Instrument :
BNA_G
ClientSampleId :
C02F5RE

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM

Quant Time: Aug 14 03:15:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 03:42:27 2015
Response via : Initial Calibration





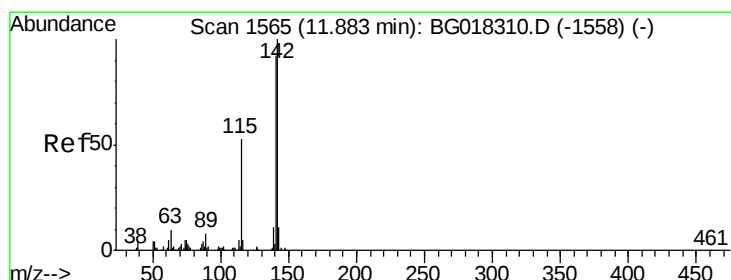
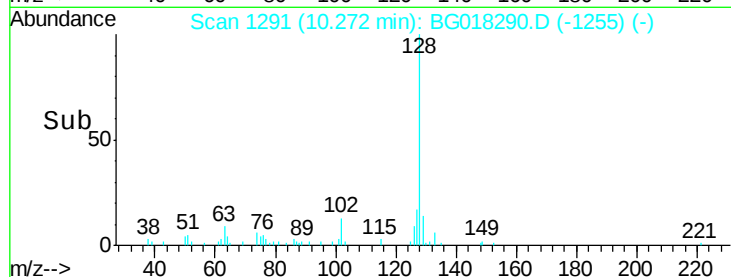
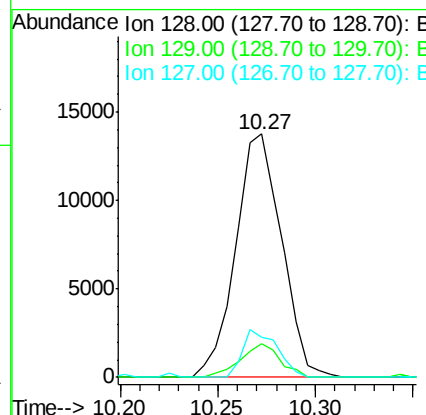
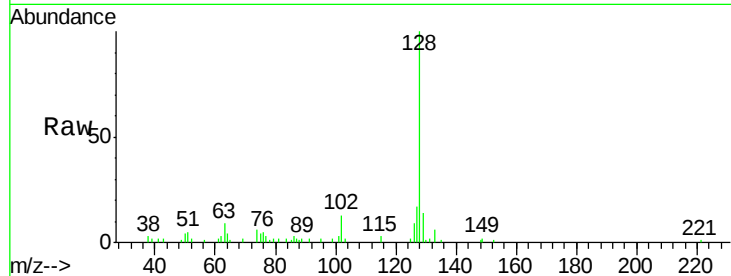
#28
Naphthalene
Concen: 2.27 ng/ul
RT: 10.27 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Instrument :
BNA_G
ClientSampleId :
C02F5RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	13.8	7.8	11.6#
127	16.7	10.2	15.4#

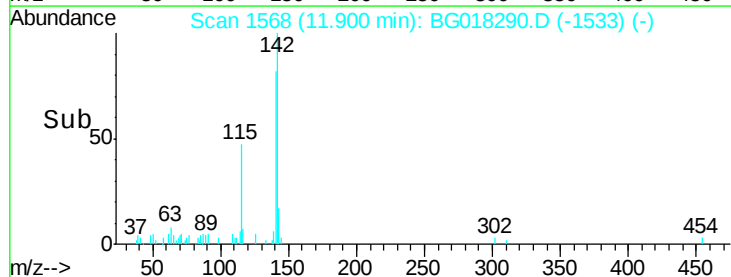
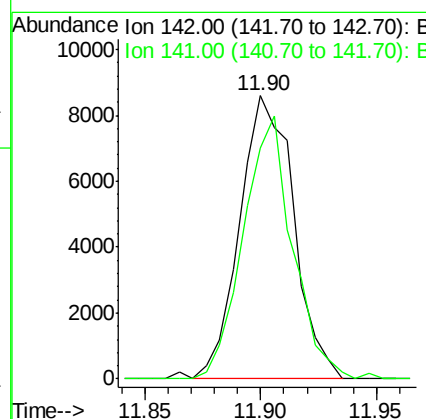
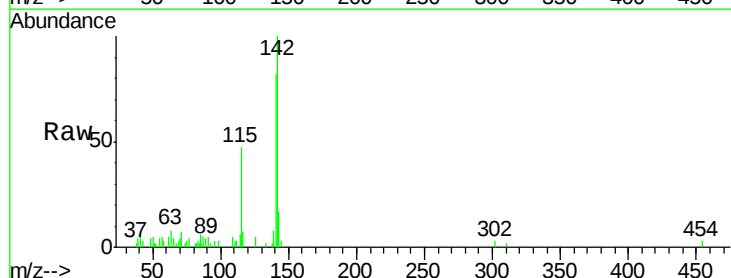
Manual Integrations
APPROVED

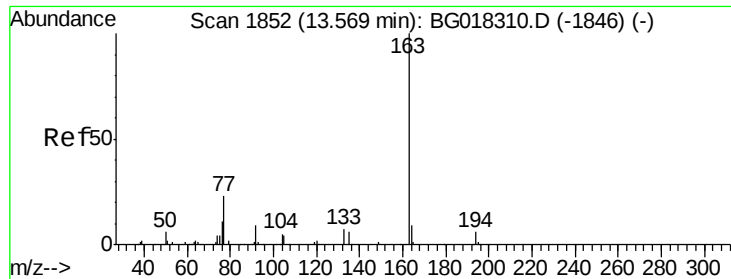
apatel
8/10/2015 9:24:53 AM



#34
2-Methylnaphthalene
Concen: 1.76 ng/ul
RT: 11.90 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	81.5	65.9	98.9





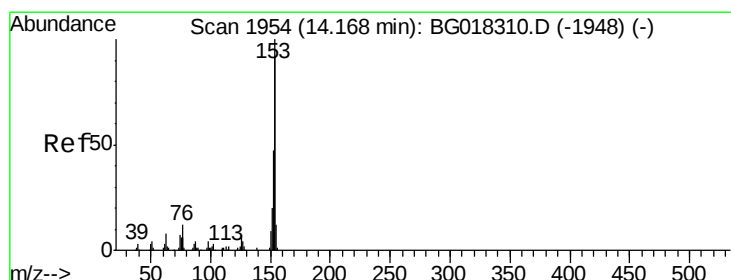
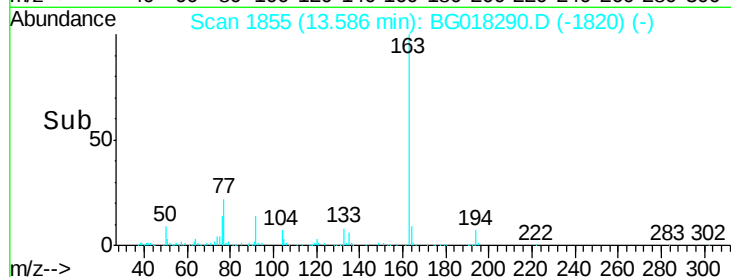
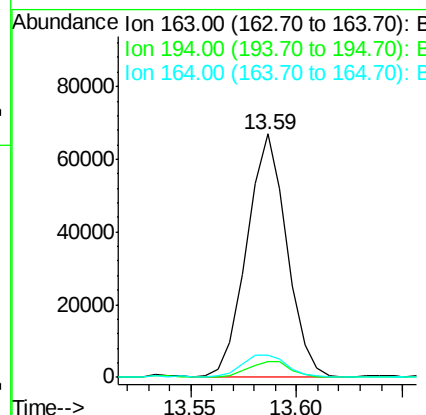
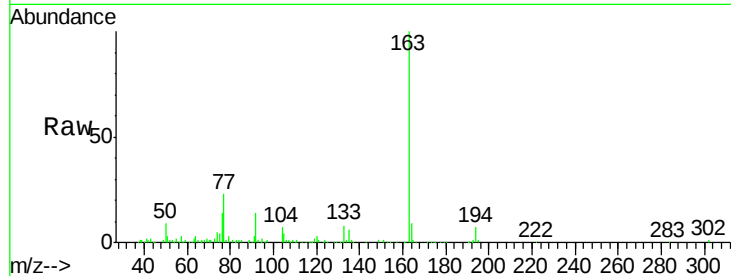
#45
Dimethylphthalate
Concen: 9.59 ng/ul
RT: 13.59 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Instrument :
BNA_G
ClientSampleId :
C02F5RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	6.7	5.4	8.2
164	9.2	7.8	11.8

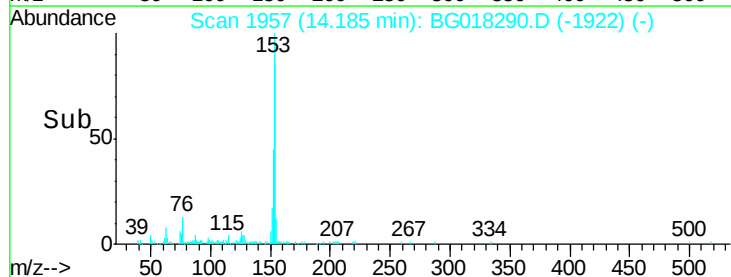
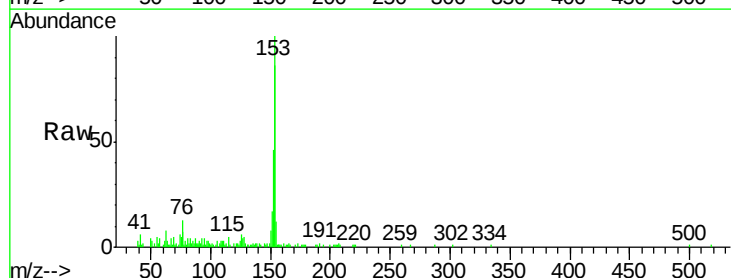
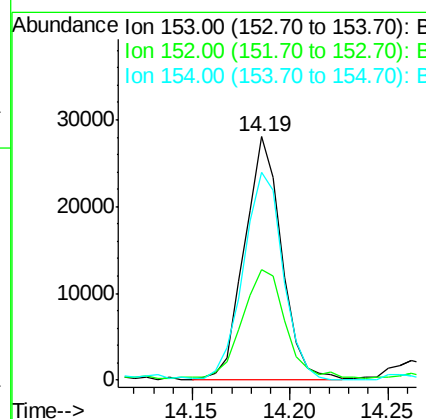
Manual Integrations
APPROVED

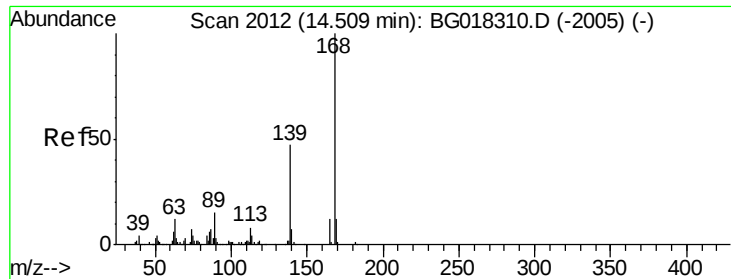
apatel
8/10/2015 9:24:53 AM



#50
Acenaphthene
Concen: 5.32 ng/ul
RT: 14.19 min Scan# 1957
Delta R.T. 0.00 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
153	100		
152	45.6	39.0	58.4
154	85.5	77.4	116.2





#54

Dibenzenofuran

Concen: 2.80 ng/ul

RT: 14.53 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

ClientSampleId :

C02F5RE

Tgt Ion:168 Resp: 28722

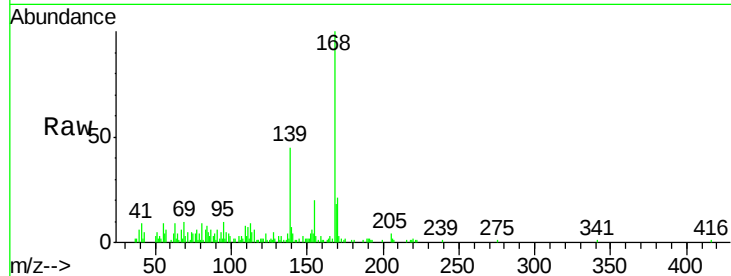
Ion Ratio Lower Upper

168 100

139 45.2 37.1 55.7

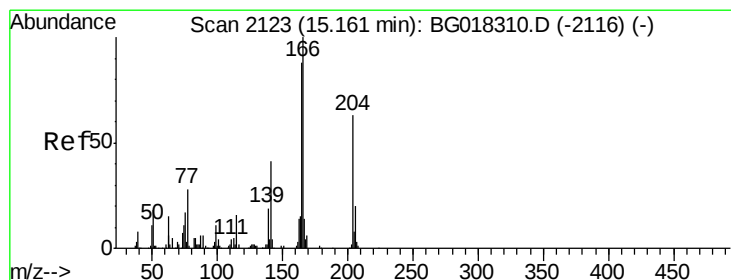
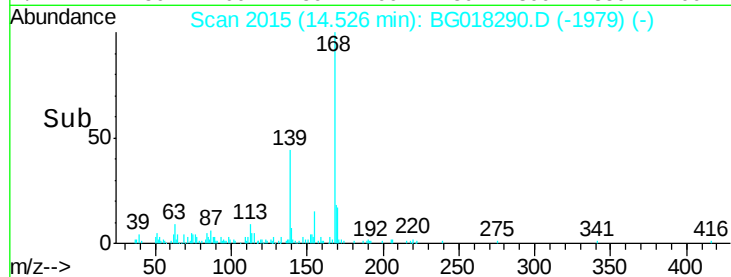
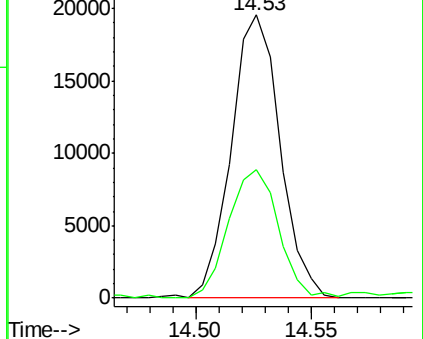
Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 4.25 ng/ul

RT: 15.18 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

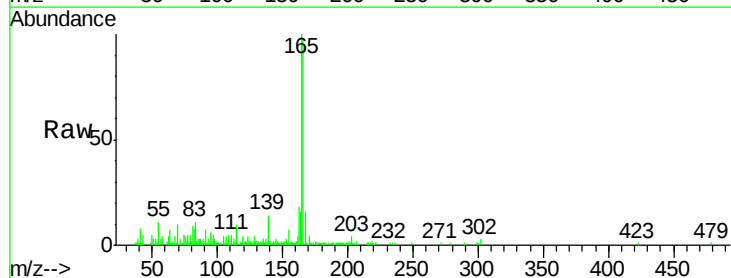
Tgt Ion:166 Resp: 38307

Ion Ratio Lower Upper

166 100

165 102.9 72.4 108.6

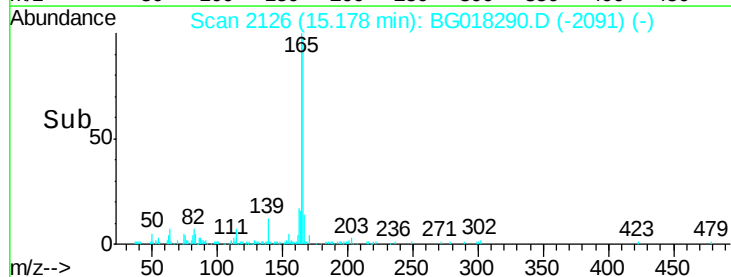
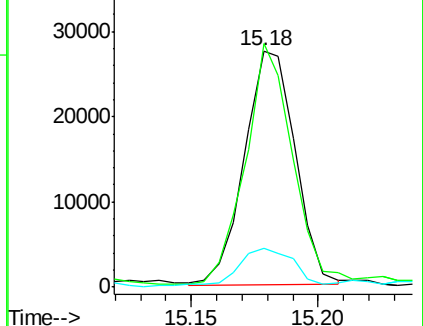
167 16.5 11.4 17.0

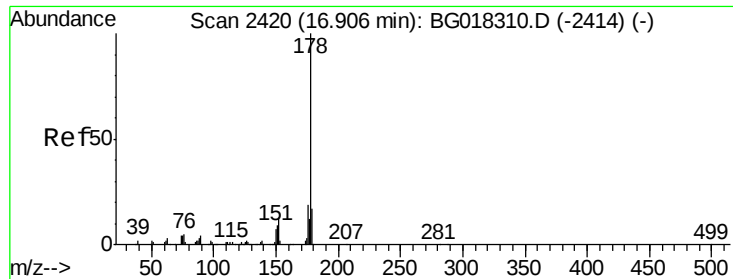


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 68.61 ng/ul

RT: 16.93 min Scan# 2424

Delta R.T. 0.02 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

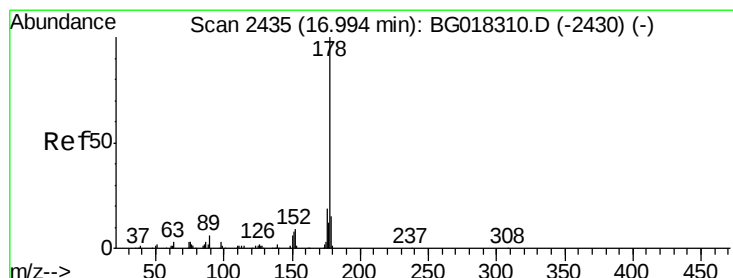
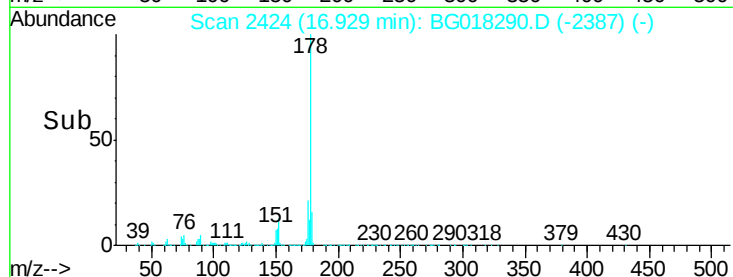
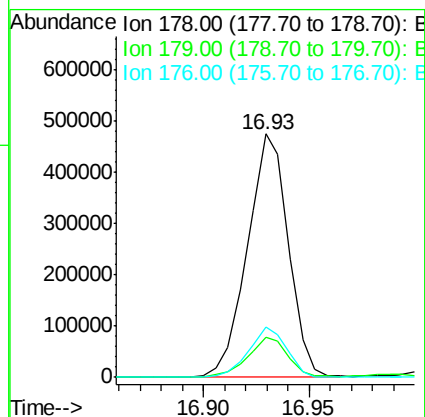
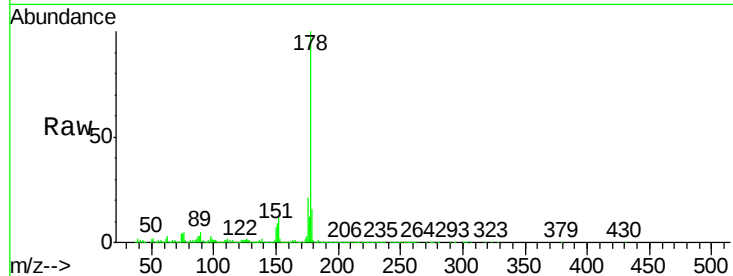
ClientSampleId :

C02F5RE

Tgt Ion:	178	Resp:	634033
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.2	18.4
176	20.7	14.5	21.7

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#72

Anthracene

Concen: 11.83 ng/ul

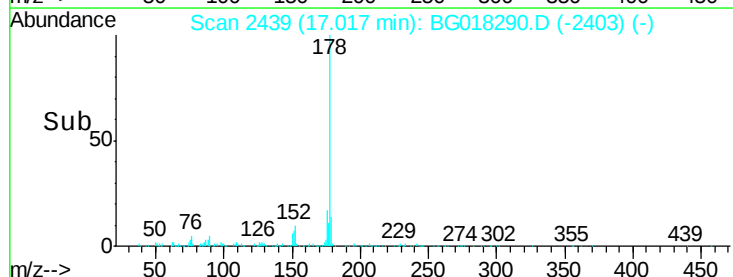
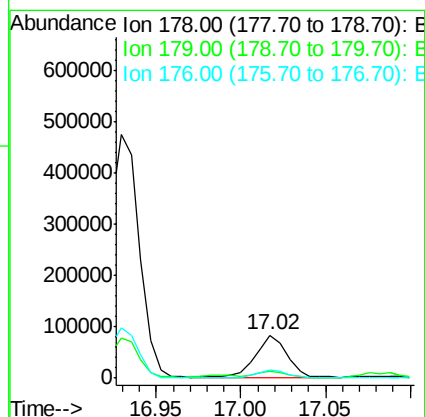
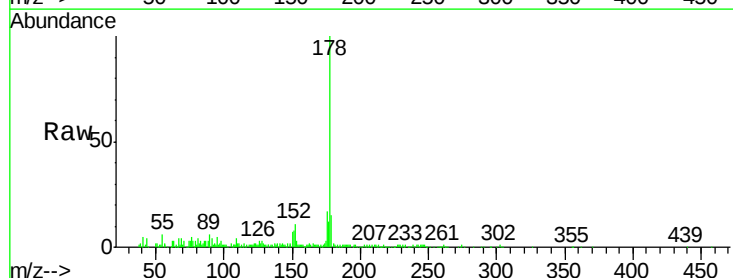
RT: 17.02 min Scan# 2439

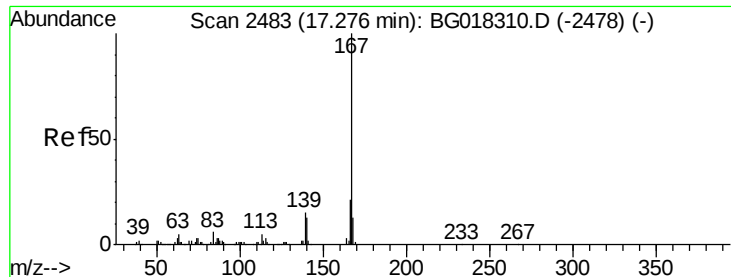
Delta R.T. 0.01 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Tgt Ion:	178	Resp:	109072
Ion Ratio	Lower	Upper	
178	100		
179	15.2	12.2	18.4
176	17.5	15.3	22.9





#75

Carbazole

Concen: 6.90 ng/ul

RT: 17.30 min Scan# 2487

Delta R.T. 0.02 min

Lab File: BG018290.D

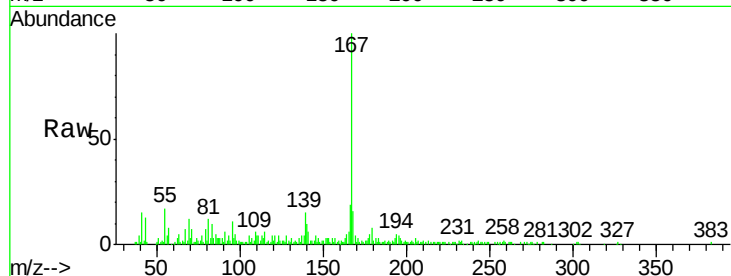
Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

ClientSampled :

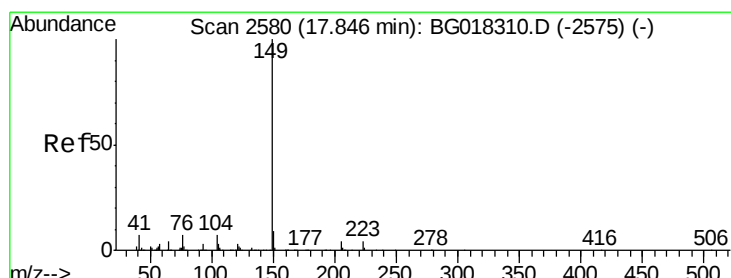
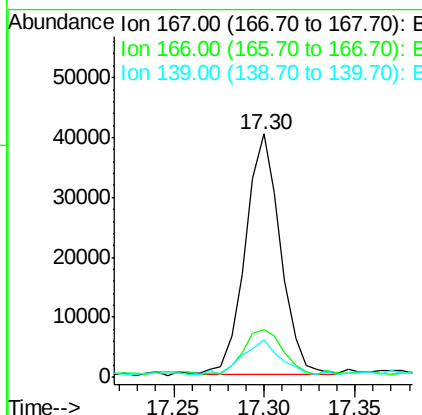
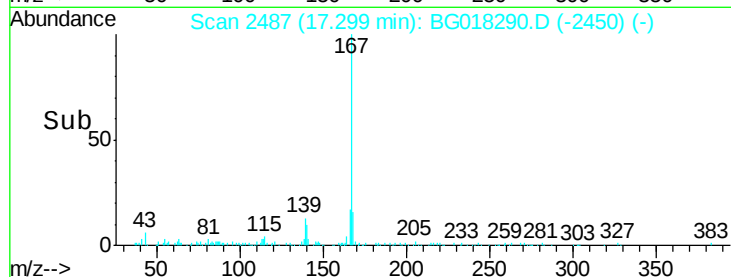
C02F5RE



Tgt Ion	Ratio	Resp	Lower	Upper
167	100			
166	19.4	17.8	26.8	
139	15.4	10.6	16.0	

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#76

Di-n-butylphthalate

Concen: 5.65 ng/ul

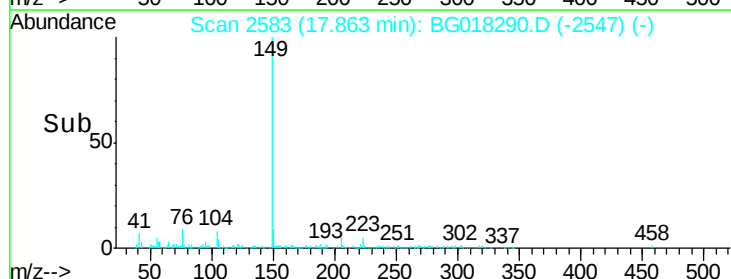
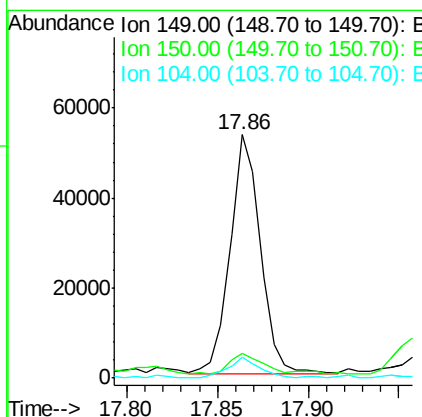
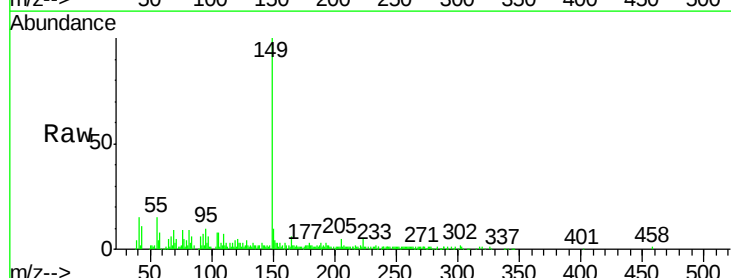
RT: 17.86 min Scan# 2583

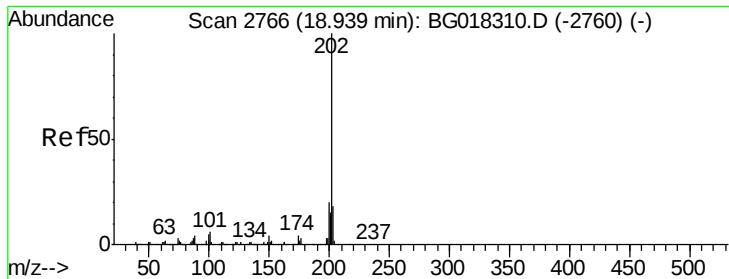
Delta R.T. 0.01 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	10.1	7.4	11.2	
104	8.4	5.5	8.3#	





#77

Fluoranthene

Concen: 79.34 ng/ul

RT: 18.97 min Scan# 2771

Delta R.T. 0.02 min

Lab File: BG018290.D

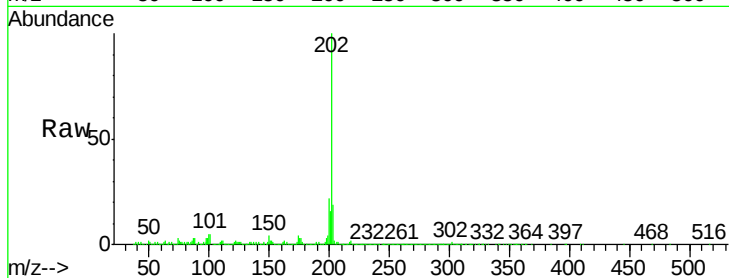
Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

ClientSampleId :

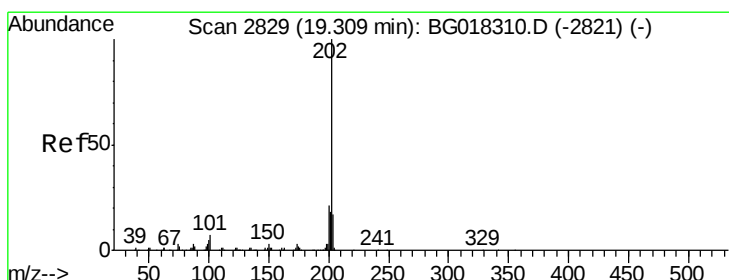
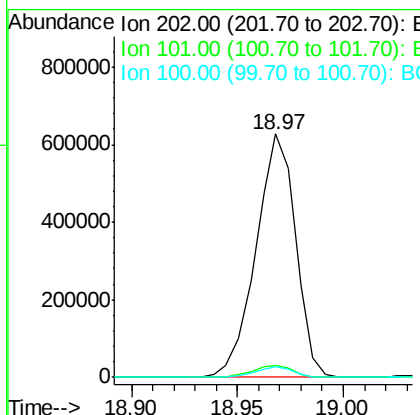
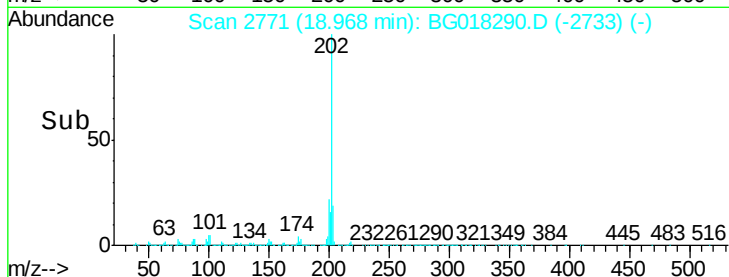
C02F5RE



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	813246		
101	5.1	6.2	9.2#	
100	4.6	4.6	6.8	

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#80

Pyrene

Concen: 56.29 ng/ul

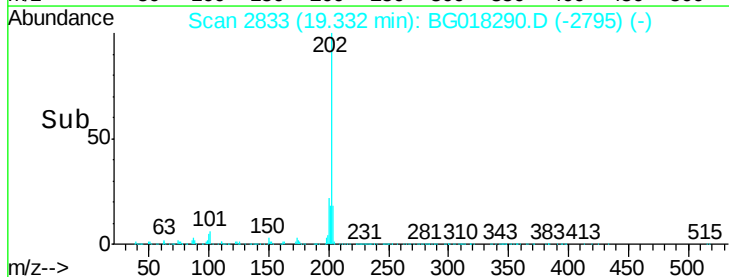
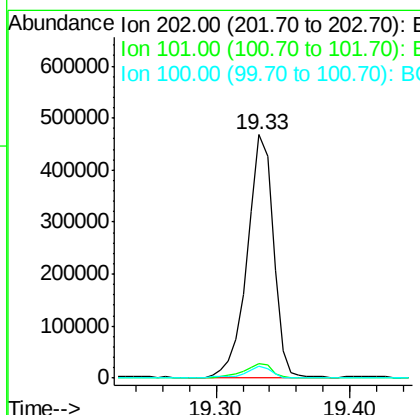
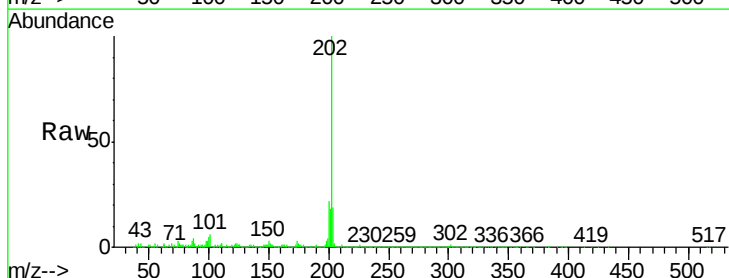
RT: 19.33 min Scan# 2833

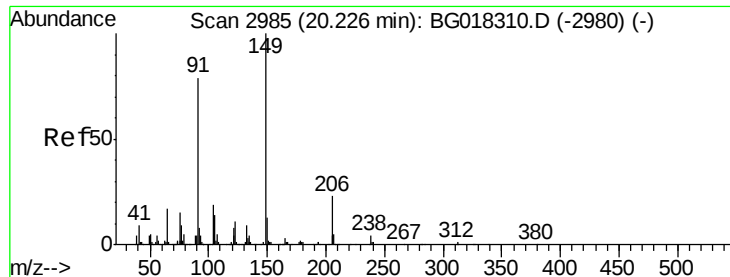
Delta R.T. 0.02 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	627566		
101	6.2	6.2	9.2	
100	5.1	4.6	7.0	





#81

Butylbenzylphthalate

Concen: 4.79 ng/ul

RT: 20.24 min Scan# 2988

Delta R.T. 0.02 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

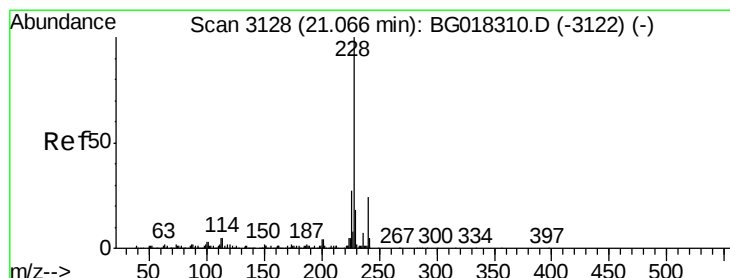
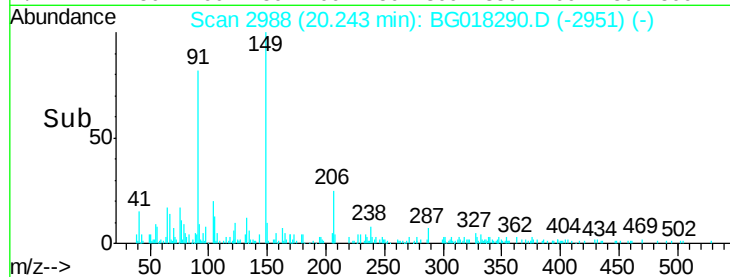
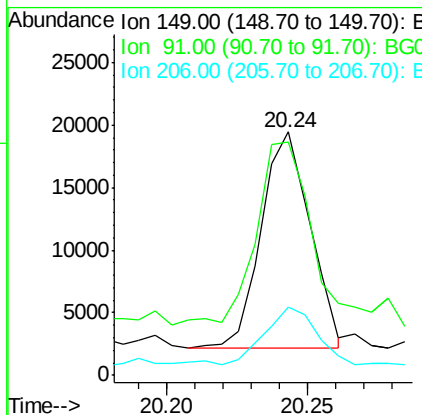
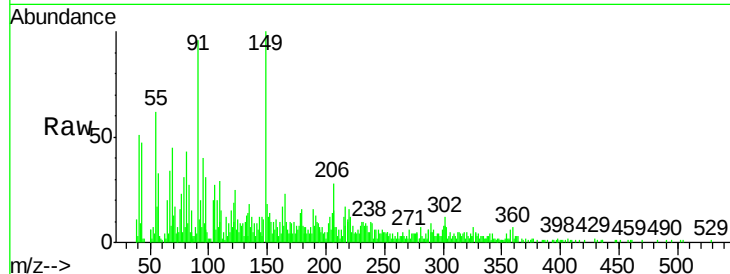
ClientSampleId :

C02F5RE

Tgt Ion:	149	Resp:	20693
Ion Ratio	Lower	Upper	
149	100		
91	96.1	58.2	87.2#
206	27.9	19.9	29.9

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#83

Benzo(a)anthracene

Concen: 43.62 ng/ul

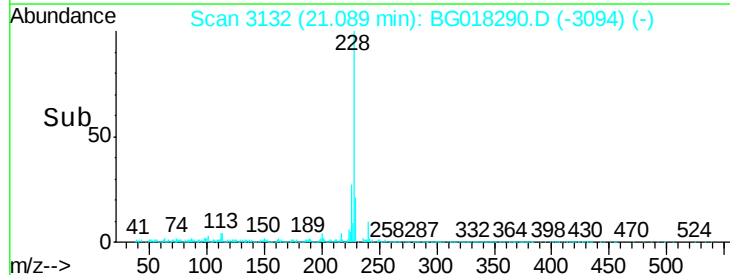
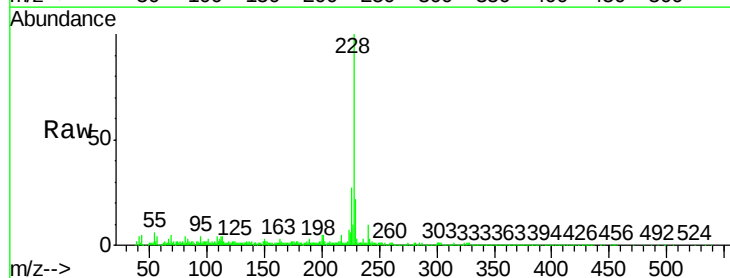
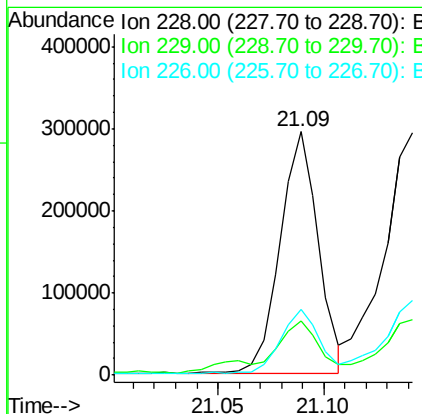
RT: 21.09 min Scan# 3132

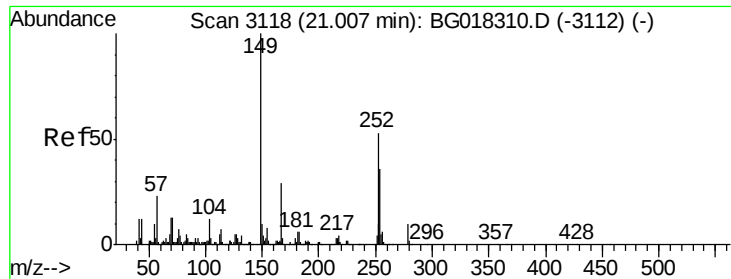
Delta R.T. 0.02 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Tgt Ion:	228	Resp:	369211
Ion Ratio	Lower	Upper	
228	100		
229	22.1	16.3	24.5
226	26.8	21.2	31.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 27.30 ng/ul

RT: 21.02 min Scan# 3121

Delta R.T. 0.02 min

Lab File: BG018290.D

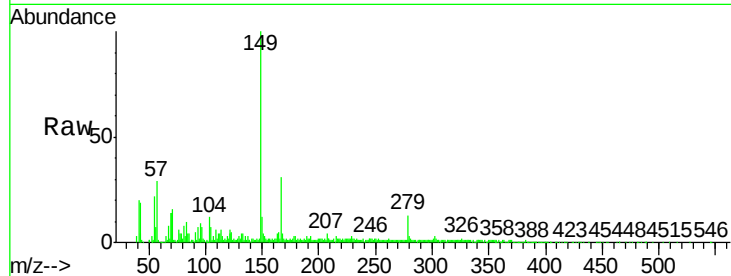
Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

ClientSampleId :

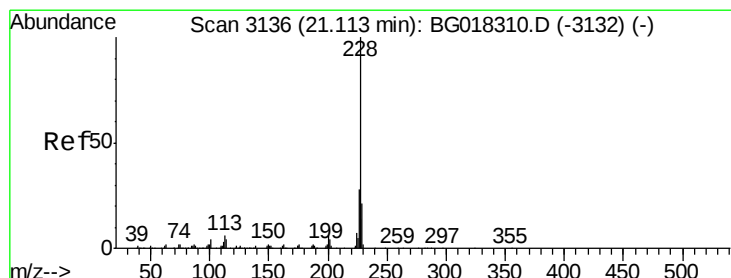
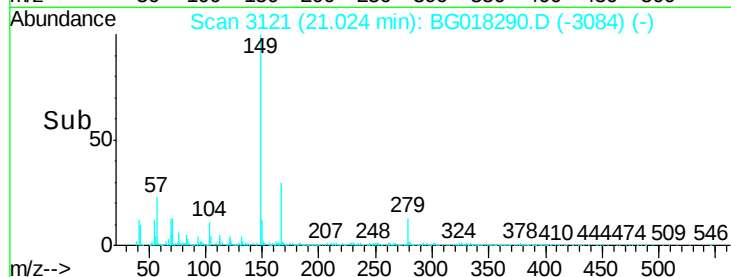
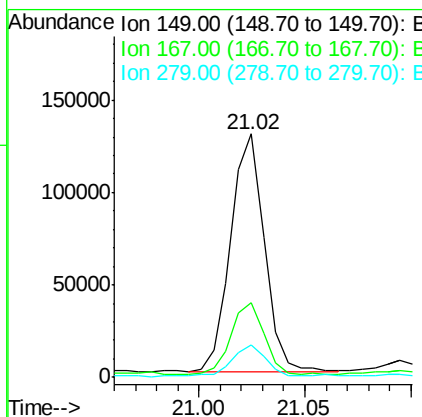
C02F5RE



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	142086		
167	30.8	26.4	39.6	
279	13.3	8.6	12.8	

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#85

Chrysene

Concen: 54.59 ng/ul

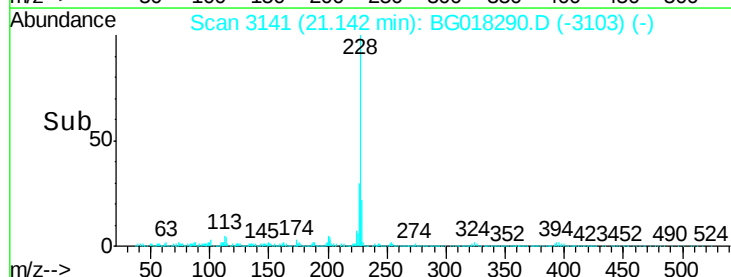
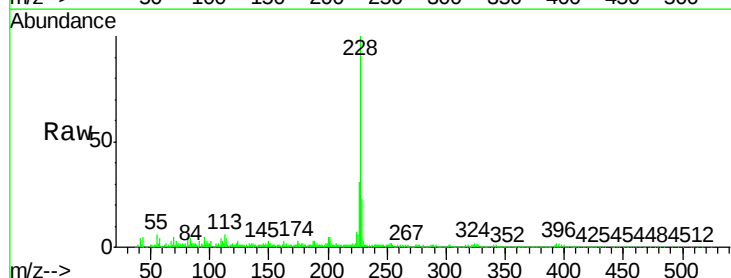
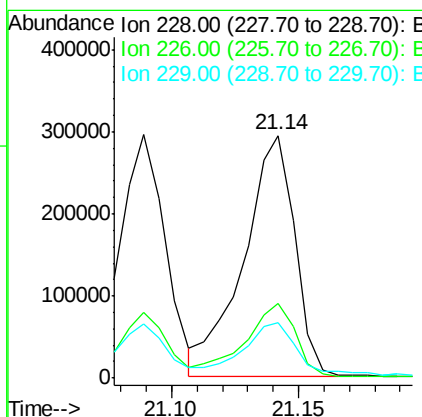
RT: 21.14 min Scan# 3141

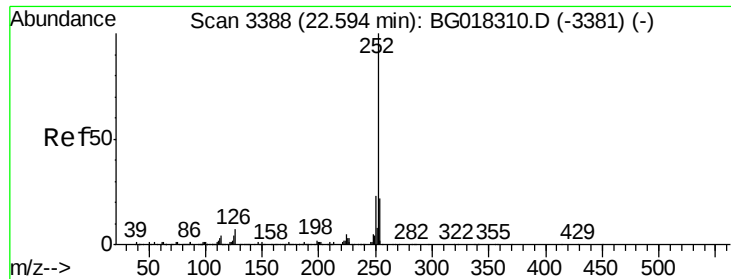
Delta R.T. 0.02 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	415088		
226	30.7	23.0	34.6	
229	22.8	15.9	23.9	





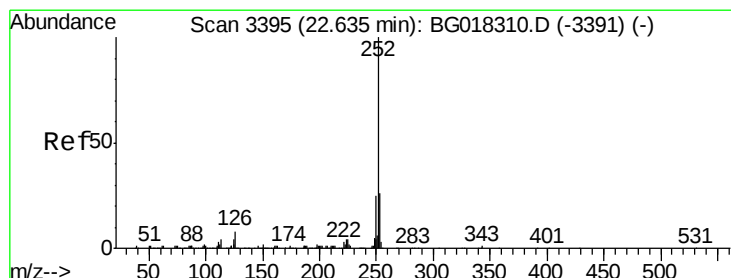
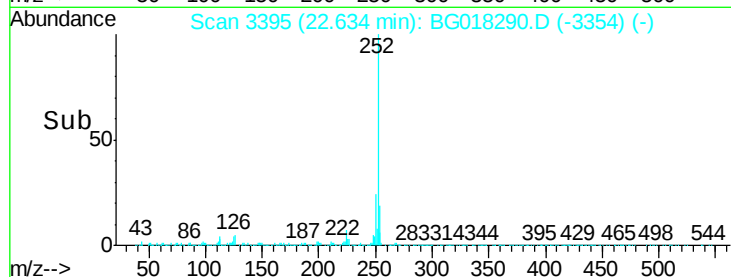
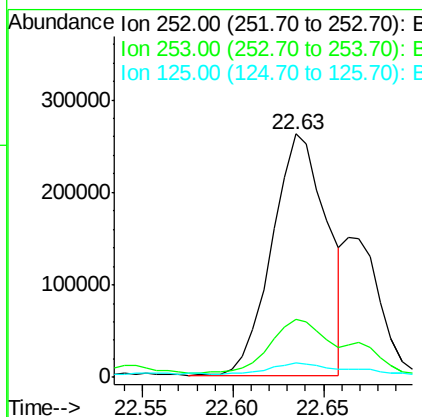
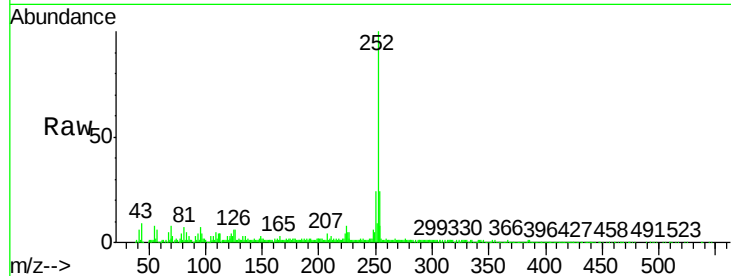
#88
Benzo(b)fluoranthene
Concen: 52.99 ng/ul
RT: 22.63 min Scan# 3395
Delta R.T. 0.04 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Instrument :
BNA_G
ClientSampleId :
C02F5RE

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		548269		
253	24.1	18.1	27.1		
125	5.8	3.1	4.7#		

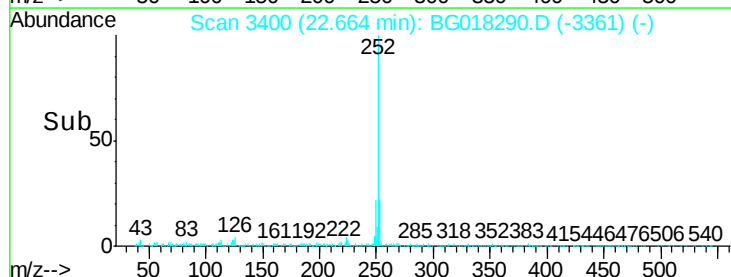
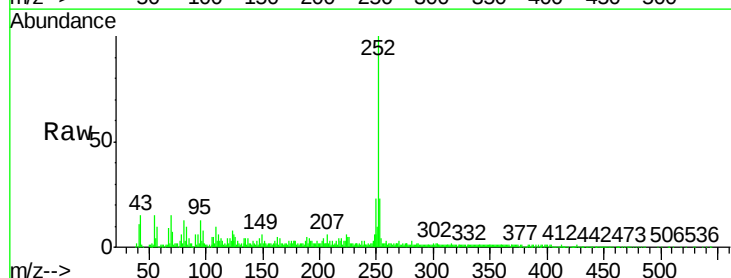
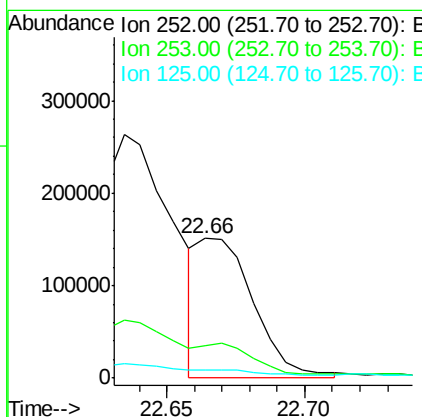
Manual Integrations
APPROVED

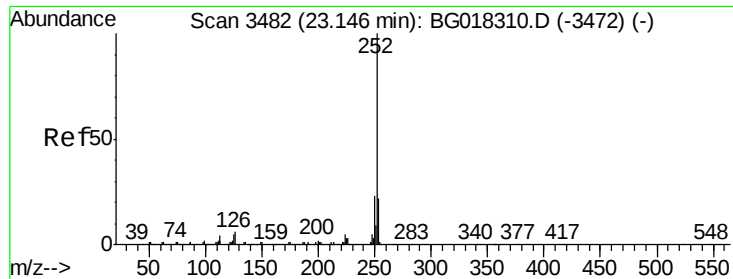
apatel
8/10/2015 9:24:53 AM



#89
Benzo(k)fluoranthene
Concen: 21.03 ng/ul m
RT: 22.66 min Scan# 3400
Delta R.T. 0.03 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Tgt	Ion	Ratio	Resp	Lower	Upper
252	100		208595		
253	23.4	16.4	24.6		
125	5.8	3.4	5.2#		





#91

Benzo(a)pyrene

Concen: 40.42 ng/ul

RT: 23.19 min Scan# 3490

Delta R.T. 0.05 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Instrument :

BNA_G

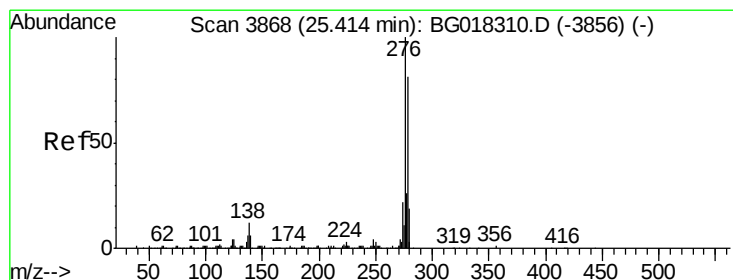
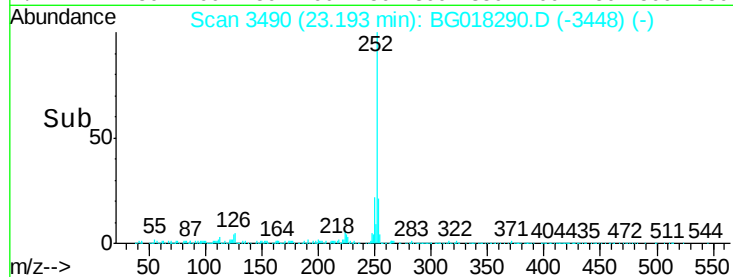
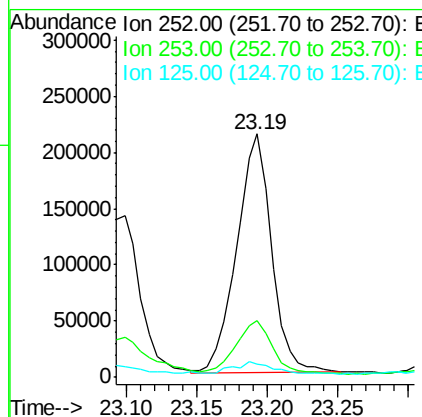
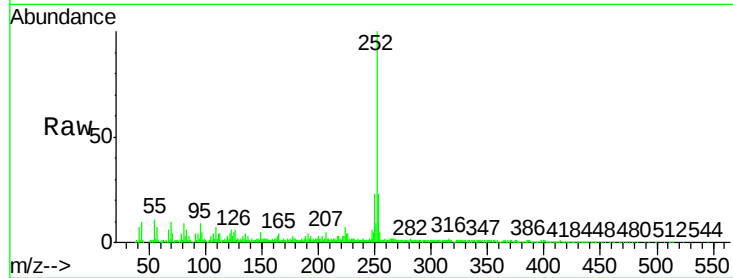
ClientSampleId :

C02F5RE

Tgt Ion:	252	Resp:	365106
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.9	28.3
125	5.4	3.2	4.8#

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#92

Indeno(1,2,3-cd)pyrene

Concen: 17.38 ng/ul

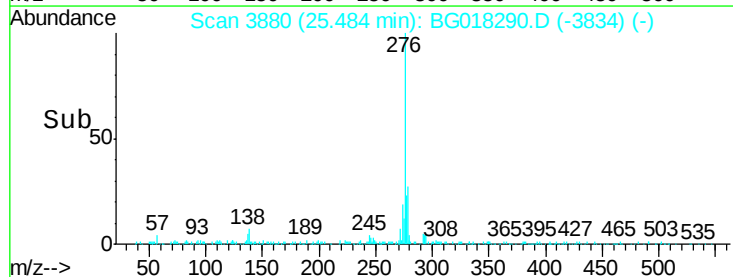
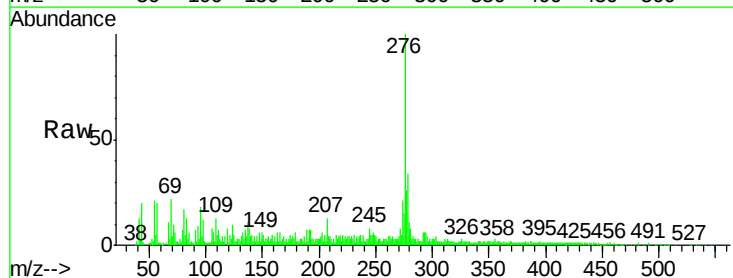
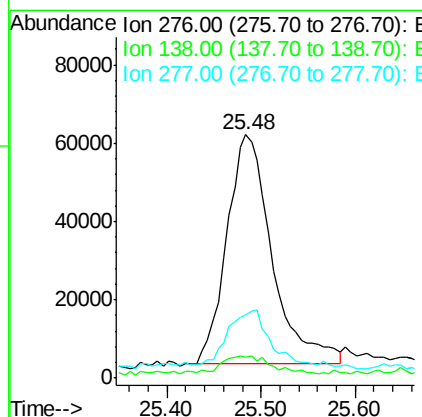
RT: 25.48 min Scan# 3880

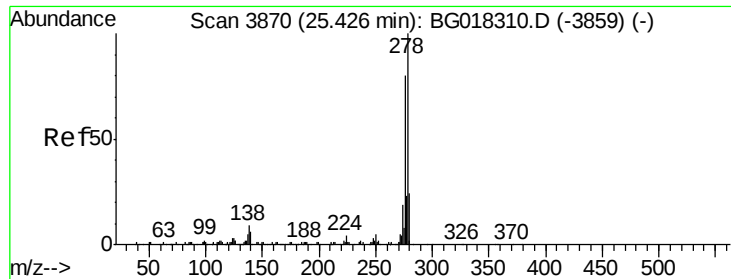
Delta R.T. 0.07 min

Lab File: BG018290.D

Acq: 6 Aug 2015 2:41

Tgt Ion:	276	Resp:	194278
Ion Ratio	Lower	Upper	
276	100		
138	8.3	8.2	12.4
277	26.0	20.1	30.1





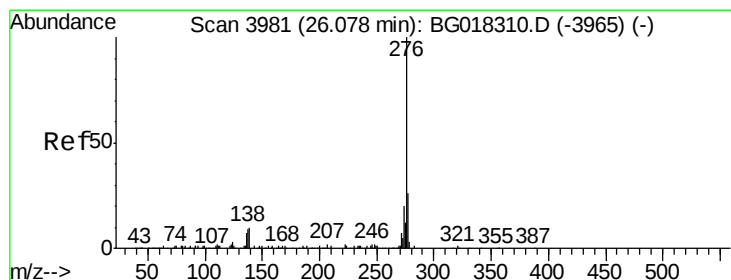
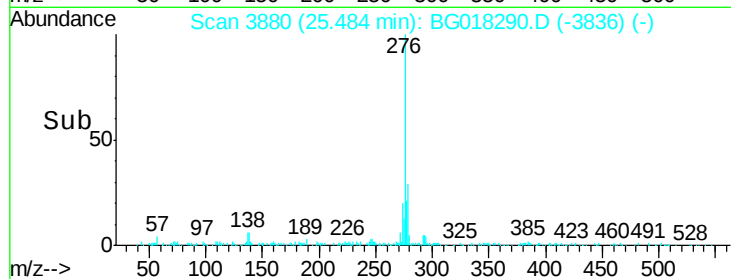
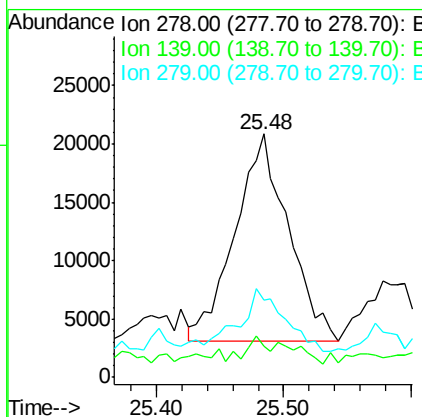
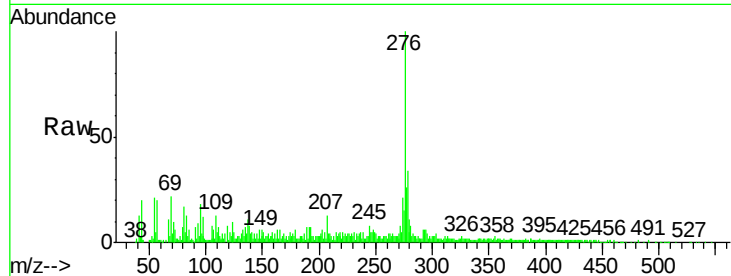
#93
Dibenzo(a,h)anthracene
Concen: 5.31 ng/ul
RT: 25.48 min Scan# 3880
Delta R.T. 0.06 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Instrument :
BNA_G
ClientSampleId :
C02F5RE

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	5.8	8.8#
279	31.9	19.8	29.6#

Manual Integrations
APPROVED

apatel
8/10/2015 9:24:53 AM



#94
Benzo(g,h,i)perylene
Concen: 16.82 ng/ul
RT: 26.16 min Scan# 3995
Delta R.T. 0.08 min
Lab File: BG018290.D
Acq: 6 Aug 2015 2:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.1	6.0	9.0
277	25.0	21.1	31.7

