

Data Path : Z:\HPCHEM1\BNA_G\Data\BG072715\
 Data File : BG018158.D
 Acq On : 28 Jul 2015 22:08
 Operator : TP/UM
 Sample : G3048-10
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C01X4

Manual Integrations
 APPROVED

apatel
 7/29/2015 1:21:20 PM

Quant Time: Aug 07 18:27:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	55306	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	244245	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.19	164	143188	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	280168m	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	311356	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	330108	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	1570	1.77	ng/uL	0.01
5) Phenol-d5	6.70	99	39671	9.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	21516	10.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	40621	10.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	23200	6.13	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	21403	11.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	23850	11.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	35417	9.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.41	131	99332	24.06	ng/ul	-0.02
44) Dimethylphthalate-d6	13.60	166	112343	11.18	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	122447	9.91	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	8913	4.21	ng/ul	0.00
58) Fluorene-d10	15.18	176	88610	9.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	636	0.36	ng/ul	0.10
71) Anthracene-d10	17.04	188	118826	9.79	ng/ul	0.00
79) Pyrene-d10	19.36	212	130714	9.16	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.21	264	142970	9.08	ng/ul	0.01

Target Compounds

					Qvalue
14) Acetophenone	8.33	105	6118	1.15 ng/ul#	89
28) Naphthalene	10.35	128	52896	4.62 ng/ul#	90
34) 2-Methylnaphthalene	11.98	142	160631	18.59 ng/ul	100
41) 1,1'-Biphenyl	13.01	154	14453	1.47 ng/ul	98
45) Dimethylphthalate	13.65	163	54386	5.38 ng/ul	98
50) Acenaphthene	14.25	153	19013	2.24 ng/ul	94
54) Dibenzofuran	14.59	168	16390	1.36 ng/ul	90
59) Fluorene	15.24	166	24286	2.34 ng/ul#	90
70) Phenanthrene	16.99	178	180369	12.81 ng/ul	98
72) Anthracene	17.08	178	41682m	2.92 ng/ul	
77) Fluoranthene	19.02	202	322739	21.52 ng/ul	95
80) Pyrene	19.39	202	275058	15.43 ng/ul	94
83) Benzo(a)anthracene	21.14	228	138026	8.38 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.08	149	228476	21.86 ng/ul#	95
85) Chrysene	21.19	228	141917	9.15 ng/ul	96
88) Benzo(b)fluoranthene	22.69	252	185784	10.27 ng/ul#	95
89) Benzo(k)fluoranthene	22.73	252	55566m	3.17 ng/ul	
91) Benzo(a)pyrene	23.26	252	104534	5.97 ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.57	276	77402	3.83 ng/ul	93
93) Dibenzo(a,h)anthracene	25.58	278	20689	1.20 ng/ul#	76
94) Benzo(g,h,i)perylene	26.26	276	75595	4.53 ng/ul	96

Data Path : Z:\HPCHEM1\BNA_G\Data\BG072715\
Data File : BG018158.D
Acq On : 28 Jul 2015 22:08
Operator : TP/UM
Sample : G3048-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C01X4

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM

Quant Time: Aug 07 18:27:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration

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

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

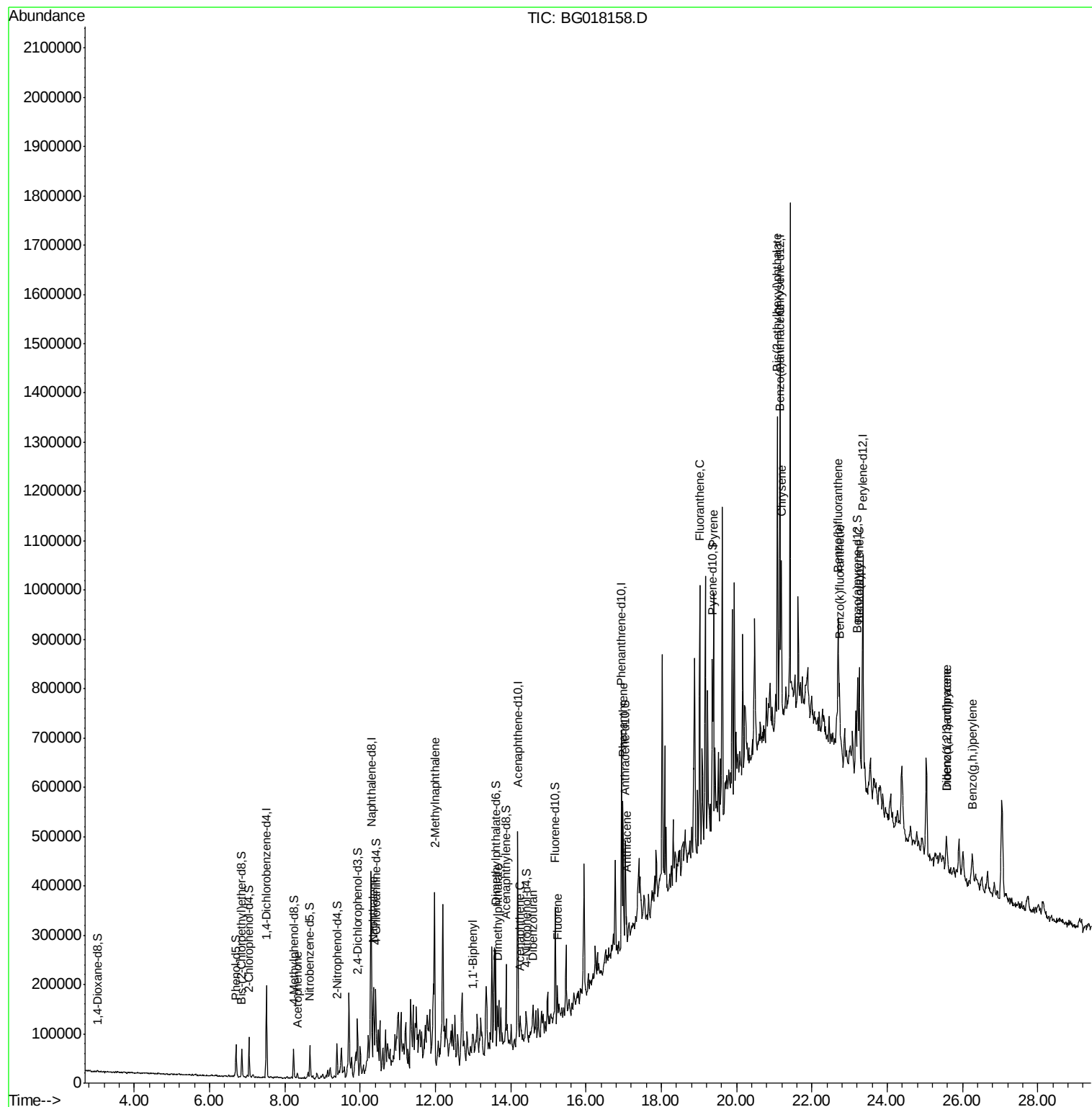
Data Path : Z:\HPCHEM1\BNA_G\Data\BG072715\
Data File : BG018158.D
Acq On : 28 Jul 2015 22:08
Operator : TP/UM
Sample : G3048-10
Misc :
ALS Vial : 47 Sample Multiplier: 1

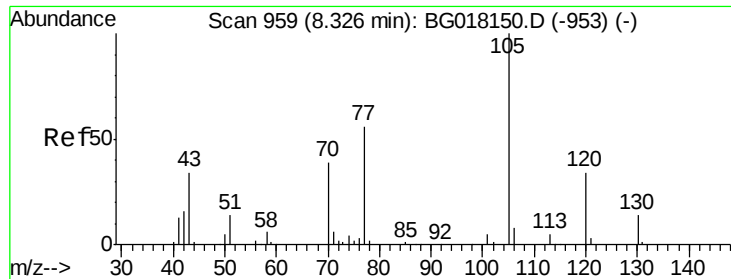
Instrument :
BNA_G
ClientSampleId :
C01X4

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM

Quant Time: Aug 07 18:27:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
Response via : Initial Calibration





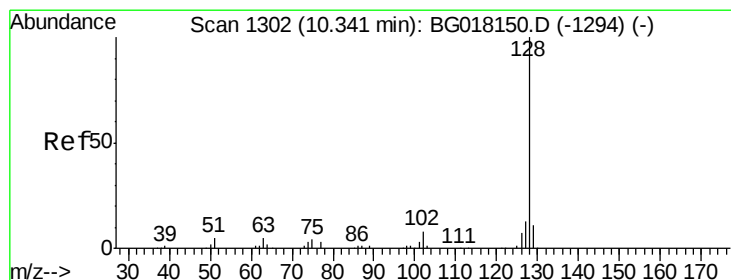
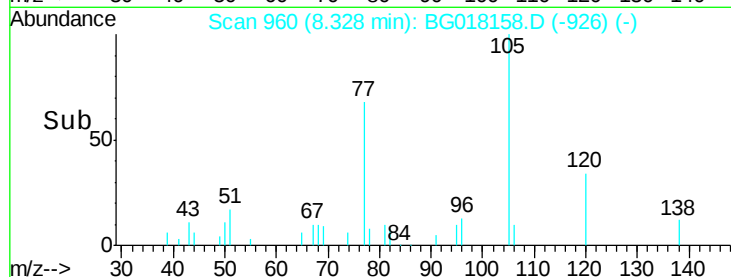
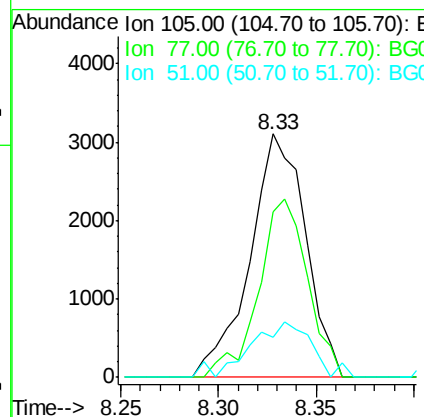
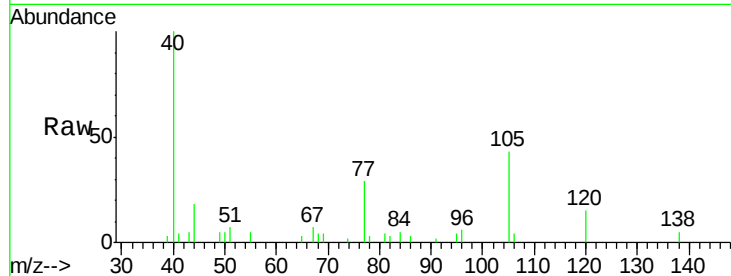
#14
Acetophenone
Concen: 1.15 ng/ul
RT: 8.33 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG018158.D
Acq: 28 Jul 2015 22:08

Instrument :
BNA_G
ClientSampleId :
C01X4

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
77	68.1	61.7	92.5
51	16.6	18.1	27.1#

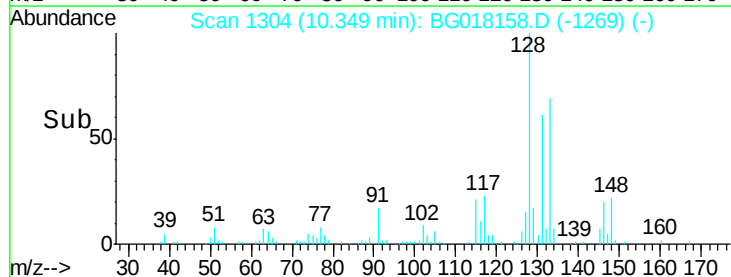
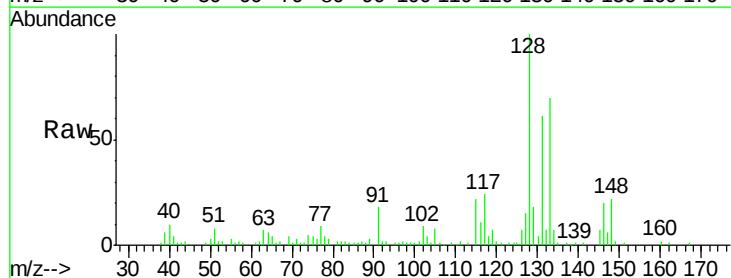
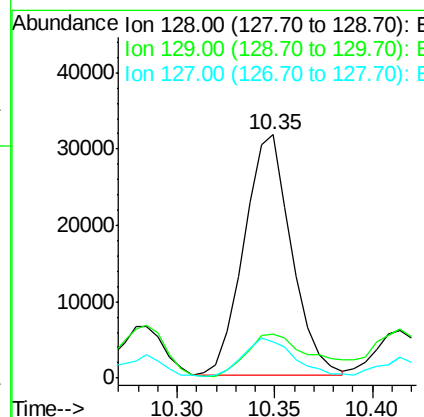
Manual Integrations
APPROVED

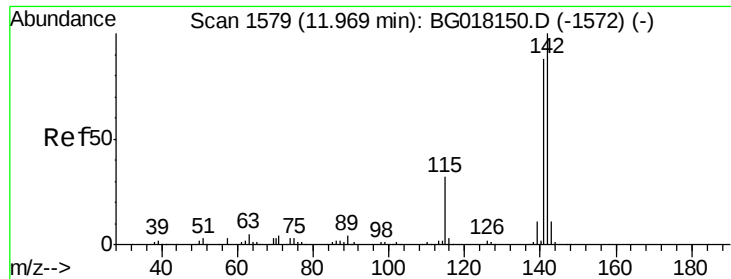
apatel
7/29/2015 1:21:20 PM



#28
Naphthalene
Concen: 4.62 ng/ul
RT: 10.35 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BG018158.D
Acq: 28 Jul 2015 22:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	17.9	9.5	14.3#
127	14.7	10.1	15.1





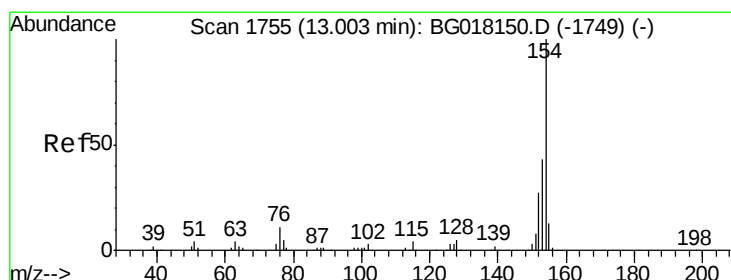
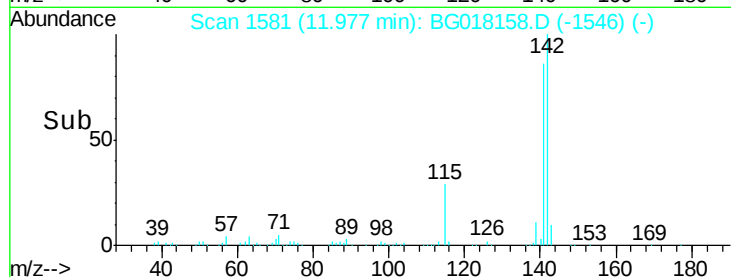
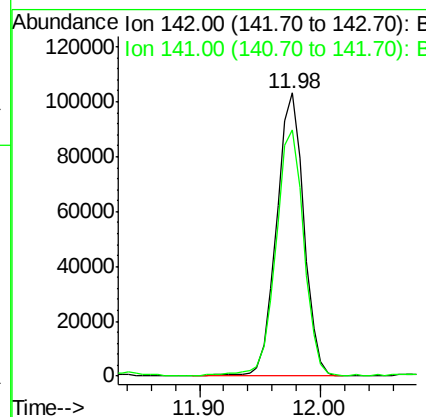
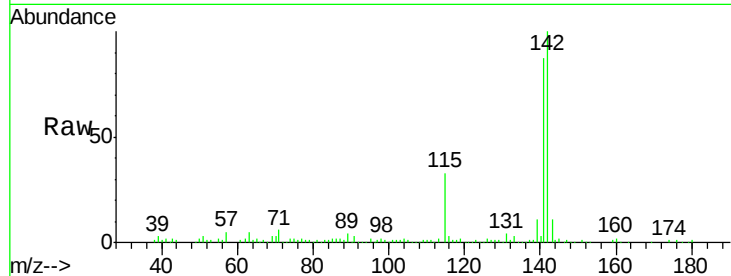
#34
 2-Methylnaphthalene
 Concen: 18.59 ng/ul
 RT: 11.98 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BG018158.D
 Acq: 28 Jul 2015 22:08

Instrument :
 BNA_G
 ClientSampleId :
 C01X4

Tgt Ion:142 Resp: 160631
 Ion Ratio Lower Upper
 142 100
 141 87.1 69.4 104.0

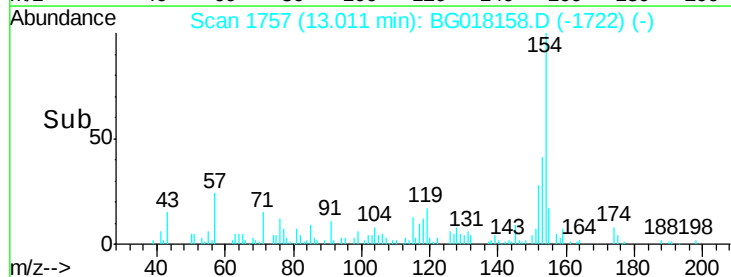
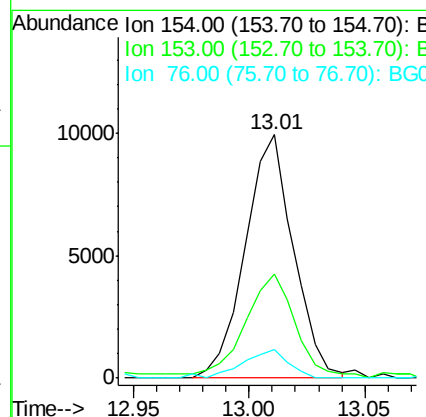
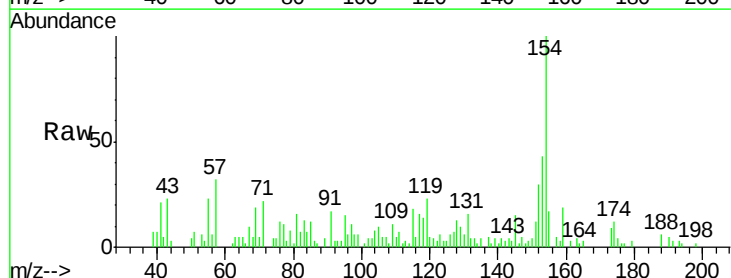
Manual Integrations
 APPROVED

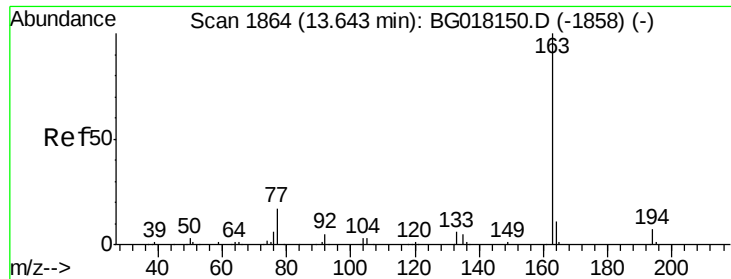
apatel
 7/29/2015 1:21:20 PM



#41
 1,1'-Biphenyl
 Concen: 1.47 ng/ul
 RT: 13.01 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: BG018158.D
 Acq: 28 Jul 2015 22:08

Tgt Ion:154 Resp: 14453
 Ion Ratio Lower Upper
 154 100
 153 42.5 33.1 49.7
 76 11.6 9.7 14.5





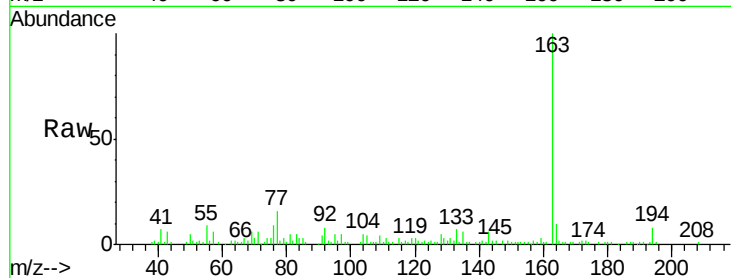
#45
Dimethylphthalate
Concen: 5.38 ng/ul
RT: 13.65 min Scan# 1866
Delta R.T. 0.01 min
Lab File: BG018158.D
Acq: 28 Jul 2015 22:08

Instrument :
BNA_G
ClientSampled :
C01X4

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	54386		
194	7.6		5.4	8.2
164	10.2		8.7	13.1

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM

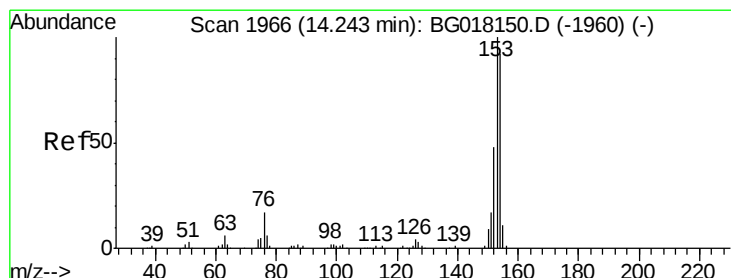
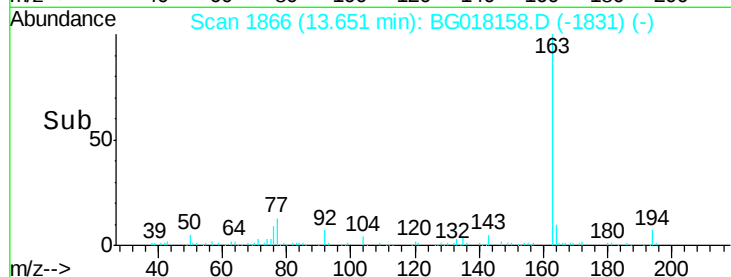
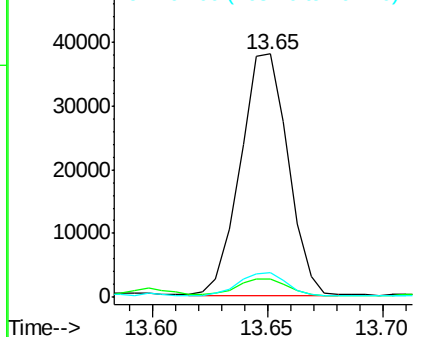


Abundance

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: 2.24 ng/ul
RT: 14.25 min Scan# 1968
Delta R.T. 0.01 min
Lab File: BG018158.D
Acq: 28 Jul 2015 22:08

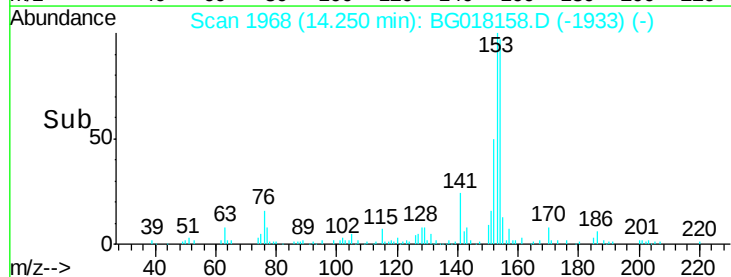
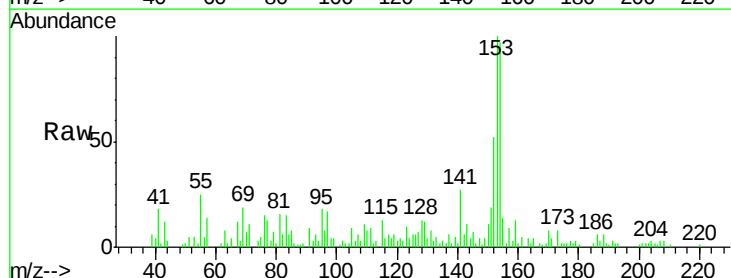
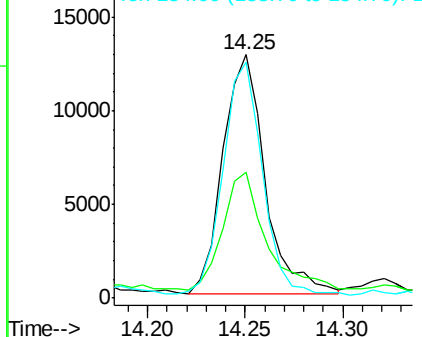
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	19013		
152	51.6		38.9	58.3
154	96.8		72.6	108.8

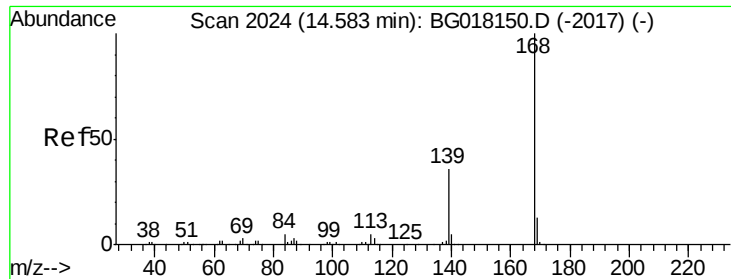
Abundance

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





#54

Dibenzenofuran

Concen: 1.36 ng/ul

RT: 14.59 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Instrument :

BNA_G

ClientSampled :

C01X4

Tgt Ion:168 Resp: 16390

Ion Ratio Lower Upper

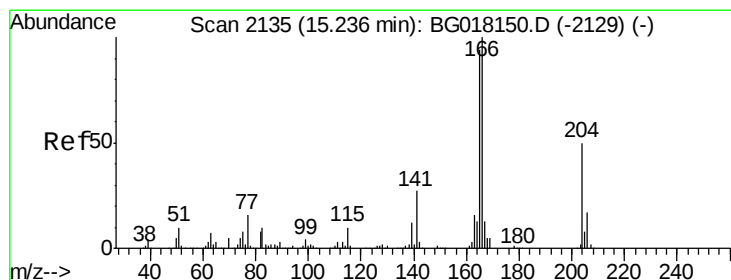
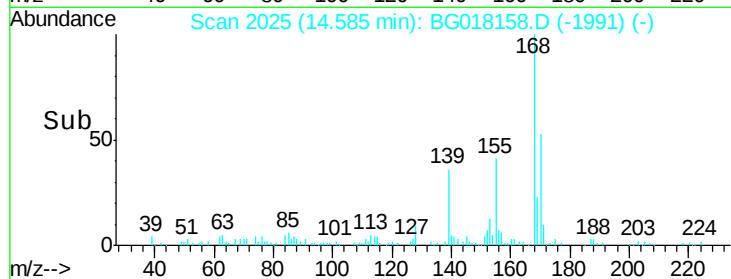
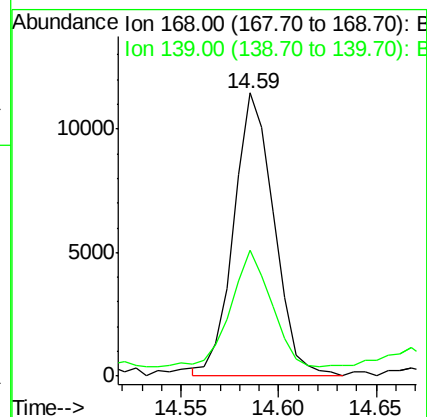
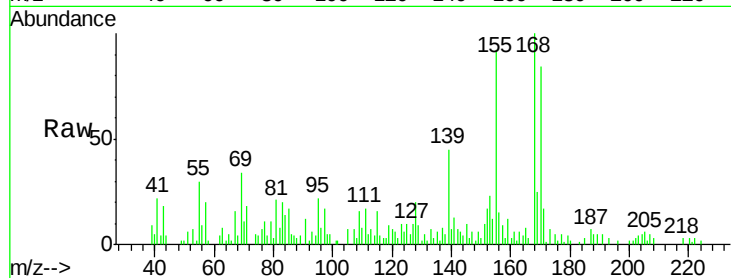
168 100

139 44.6 30.6 46.0

Manual Integrations
APPROVED

apatel

7/29/2015 1:21:20 PM



#59

Fluorene

Concen: 2.34 ng/ul

RT: 15.24 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

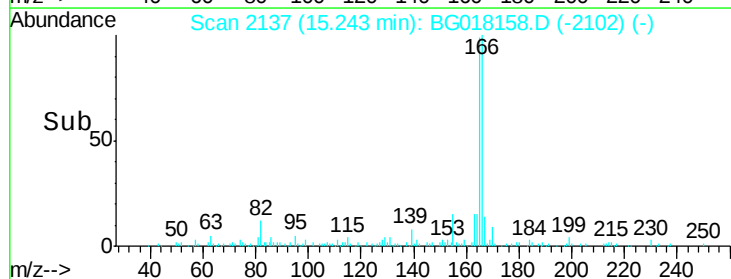
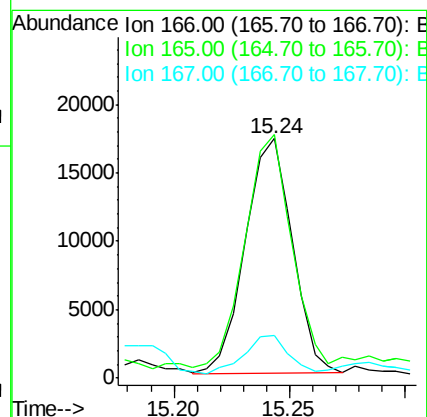
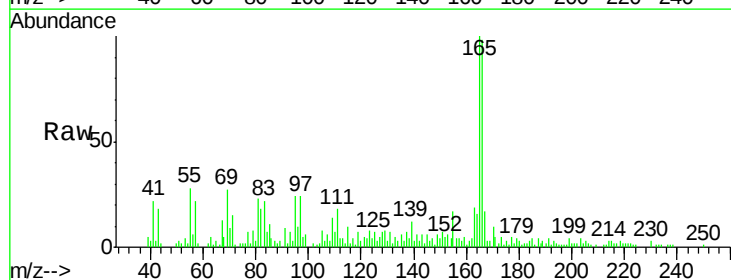
Tgt Ion:166 Resp: 24286

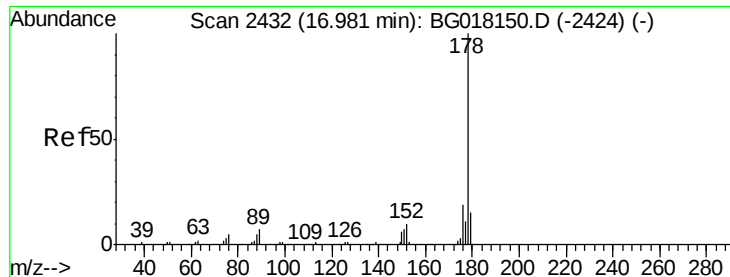
Ion Ratio Lower Upper

166 100

165 101.8 73.6 110.4

167 17.6 10.8 16.2#





#70

Phenanthrene

Concen: 12.81 ng/ul

RT: 16.99 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Instrument :

BNA_G

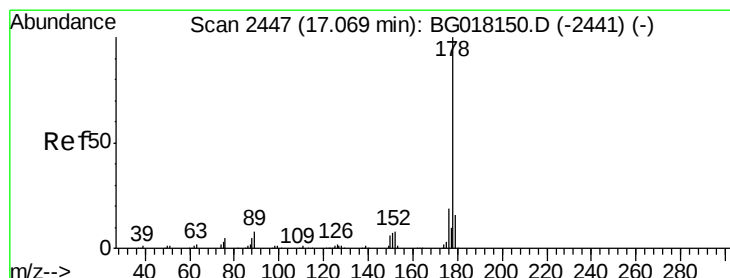
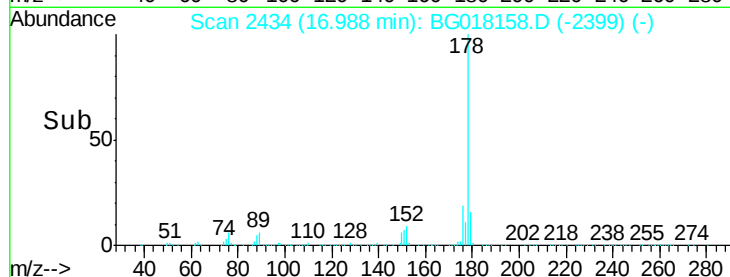
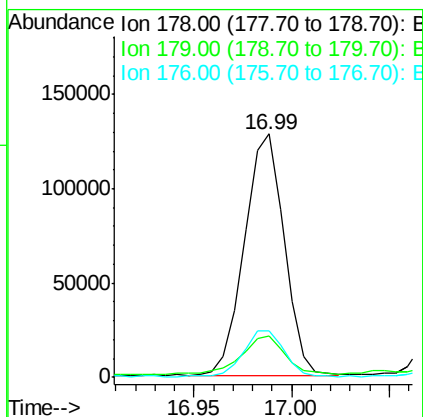
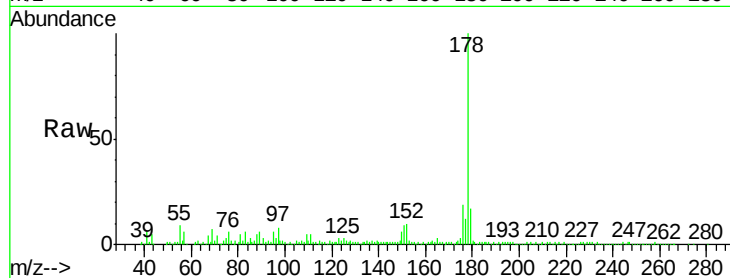
ClientSampleId :

C01X4

Tgt Ion:	178	Resp:	180369
Ion Ratio	Lower	Upper	
178	100		
179	16.9	13.0	19.6
176	19.1	15.8	23.8

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM



#72

Anthracene

Concen: 2.92 ng/ul m

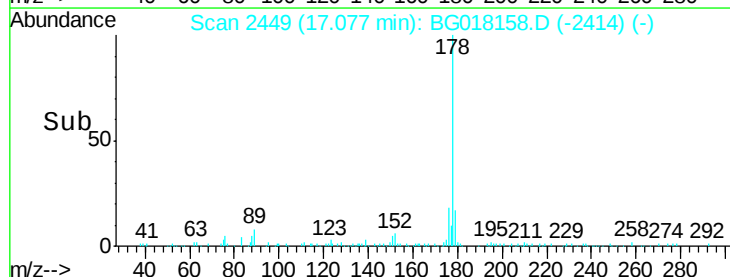
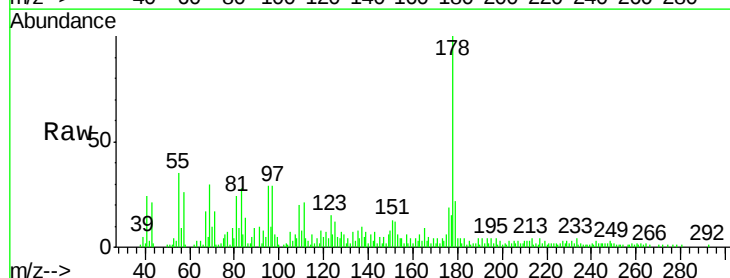
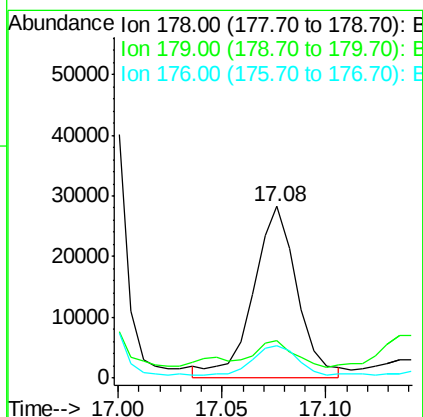
RT: 17.08 min Scan# 2449

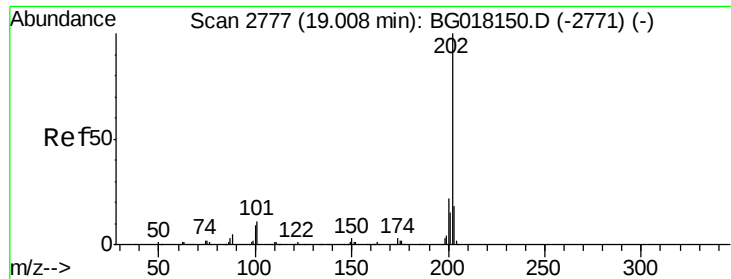
Delta R.T. 0.01 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Tgt Ion:	178	Resp:	41682
Ion Ratio	Lower	Upper	
178	100		
179	21.8	12.4	18.6#
176	18.6	15.8	23.8





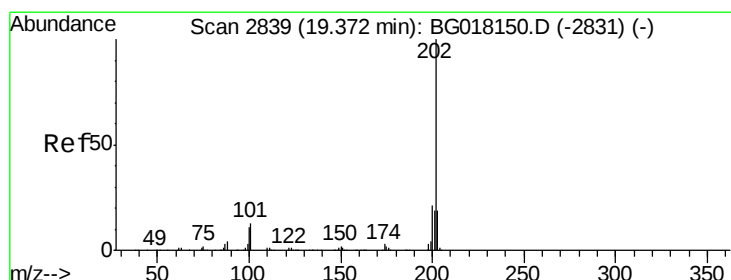
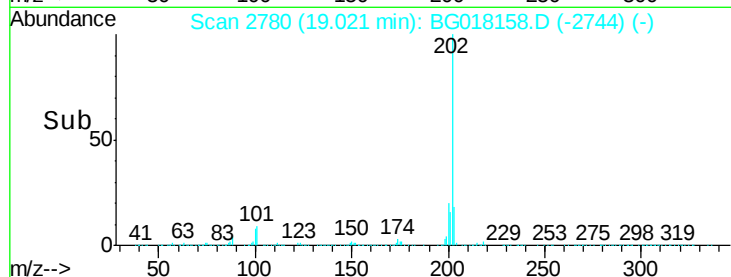
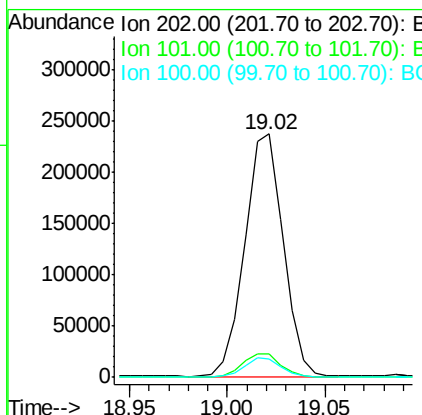
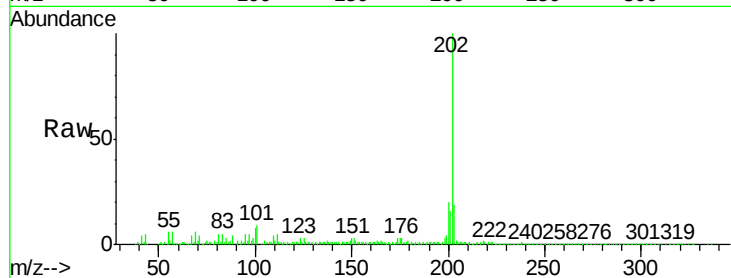
#77
Fluoranthene
 Concen: 21.52 ng/ul
 RT: 19.02 min Scan# 2780
 Delta R.T. 0.01 min
 Lab File: BG018158.D
 Acq: 28 Jul 2015 22:08

Instrument :
 BNA_G
 ClientSampleId :
 C01X4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	322739		
101	9.4		9.1	13.7
100	7.7		7.5	11.3

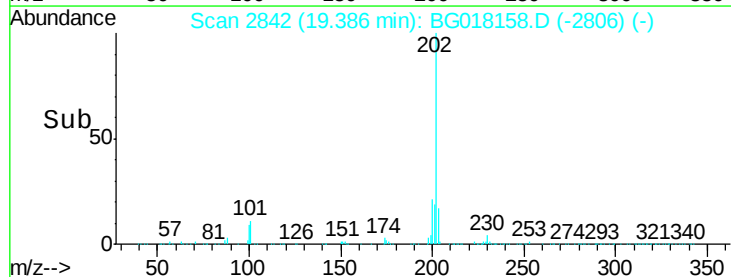
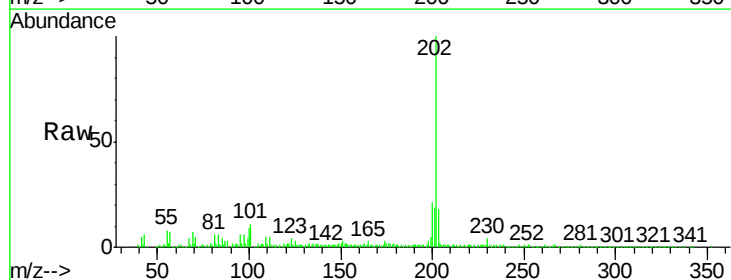
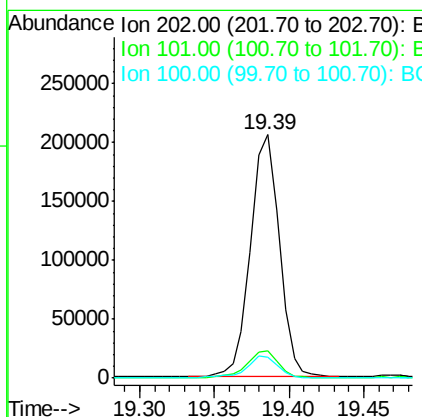
Manual Integrations
 APPROVED

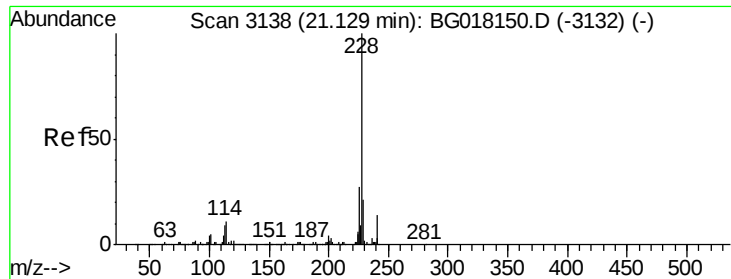
apatel
 7/29/2015 1:21:20 PM



#80
Pyrene
 Concen: 15.43 ng/ul
 RT: 19.39 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: BG018158.D
 Acq: 28 Jul 2015 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	275058		
101	11.0		10.9	16.3
100	8.8		8.5	12.7





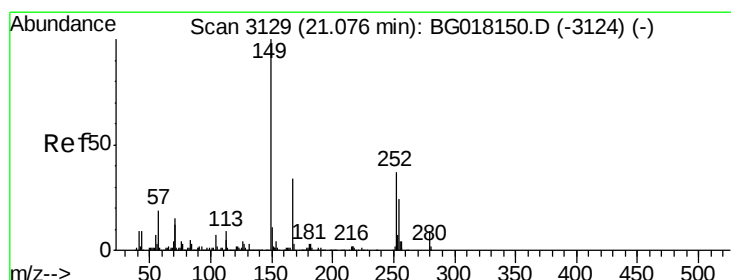
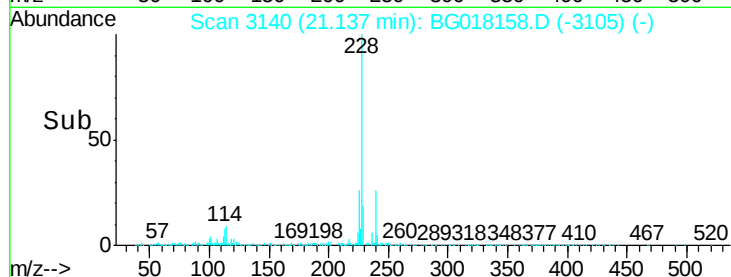
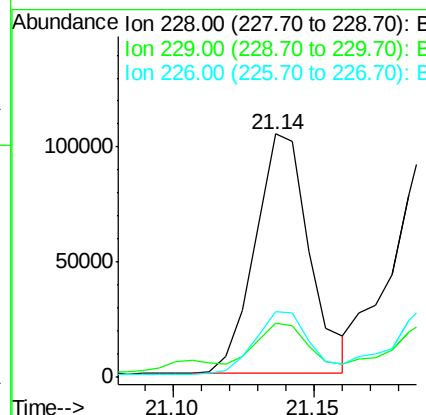
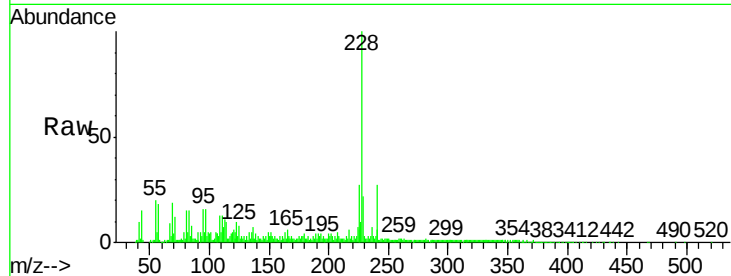
#83
Benzo(a)anthracene
Concen: 8.38 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BG018158.D
Acq: 28 Jul 2015 22:08

Instrument :
BNA_G
ClientSampleId :
C01X4

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.4	16.6	24.8
226	26.9	21.1	31.7

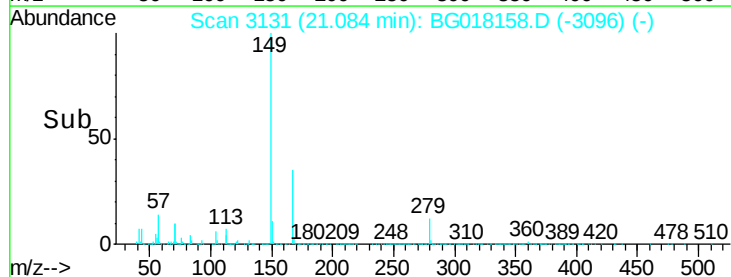
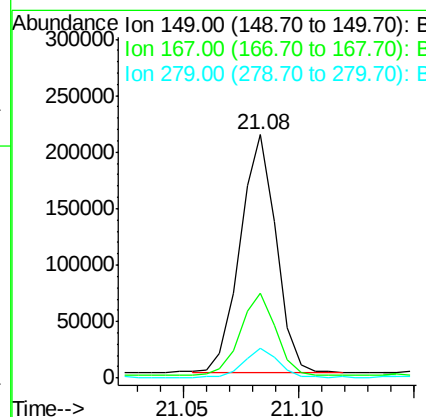
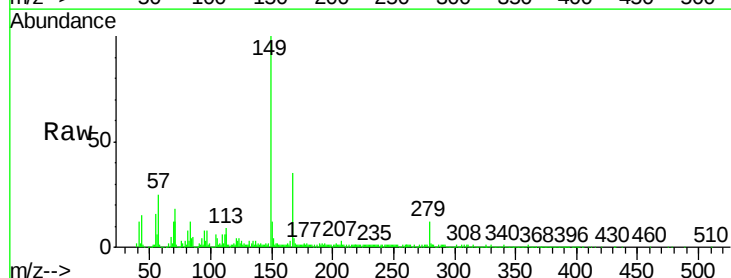
Manual Integrations
APPROVED

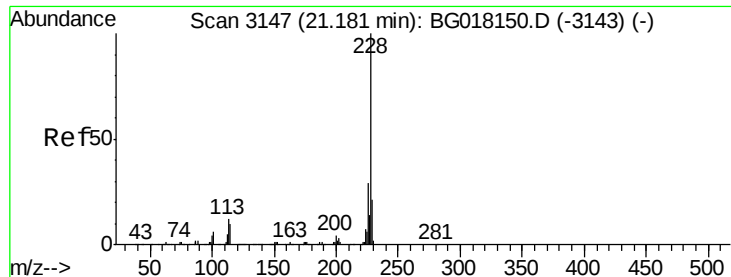
apatel
7/29/2015 1:21:20 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 21.86 ng/ul
RT: 21.08 min Scan# 3131
Delta R.T. 0.01 min
Lab File: BG018158.D
Acq: 28 Jul 2015 22:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	35.1	26.2	39.4
279	12.1	7.2	10.8#





#85

Chrysene

Concen: 9.15 ng/ul

RT: 21.19 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Instrument :

BNA_G

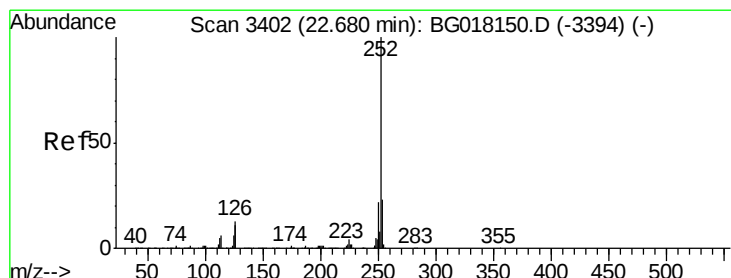
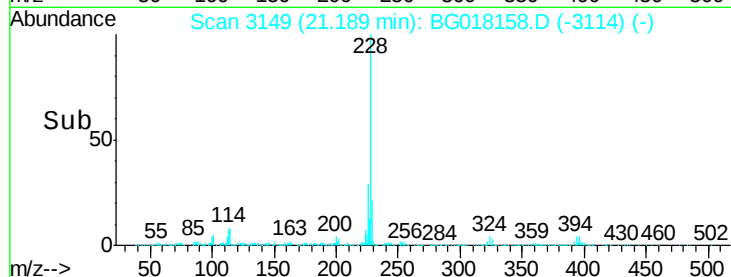
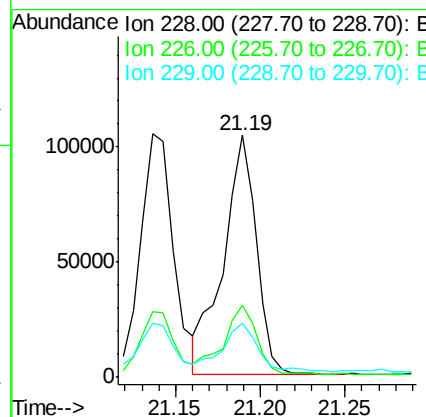
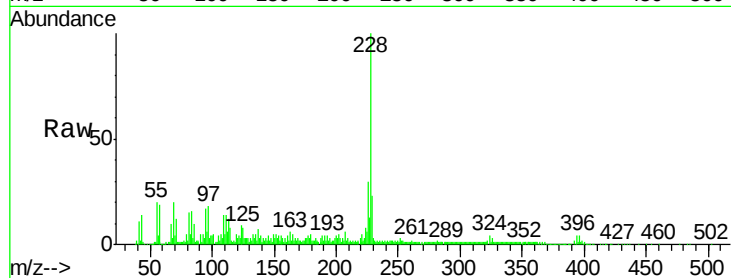
ClientSampleId :

C01X4

Tgt Ion:	228	Resp:	141917
Ion Ratio		Lower	Upper
228	100		
226	29.7	22.9	34.3
229	22.6	15.6	23.4

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM



#88

Benzo(b)fluoranthene

Concen: 10.27 ng/ul

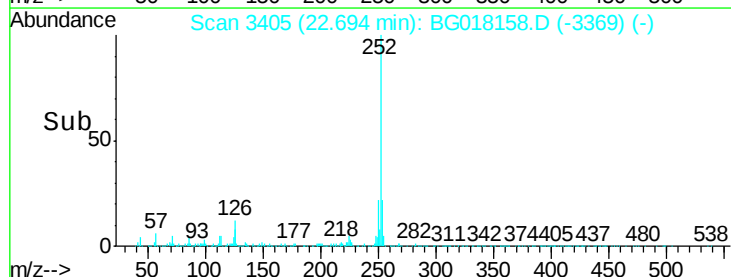
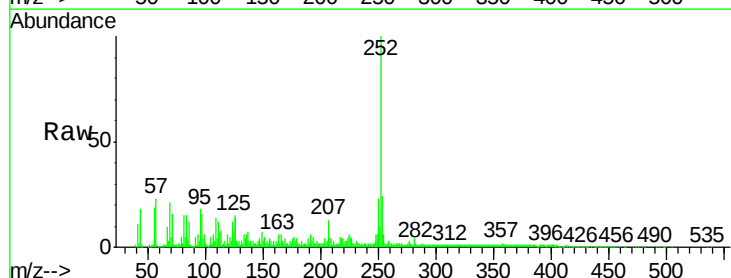
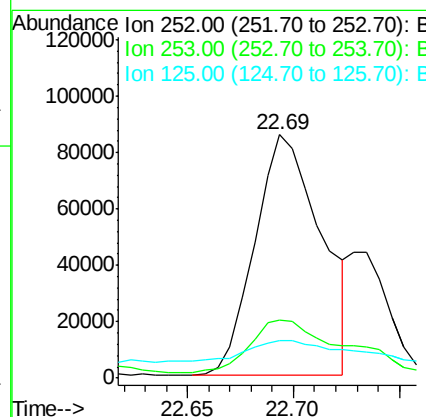
RT: 22.69 min Scan# 3405

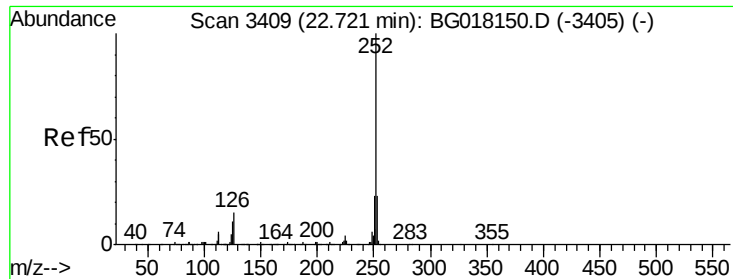
Delta R.T. 0.01 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Tgt Ion:	252	Resp:	185784
Ion Ratio		Lower	Upper
252	100		
253	23.9	18.5	27.7
125	15.4	9.1	13.7#





#89

Benzo(k)fluoranthene

Concen: 3.17 ng/ul m

RT: 22.73 min Scan# 3412

Delta R.T. 0.01 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Instrument :

BNA_G

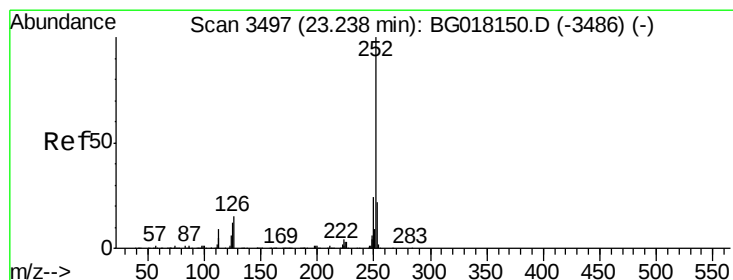
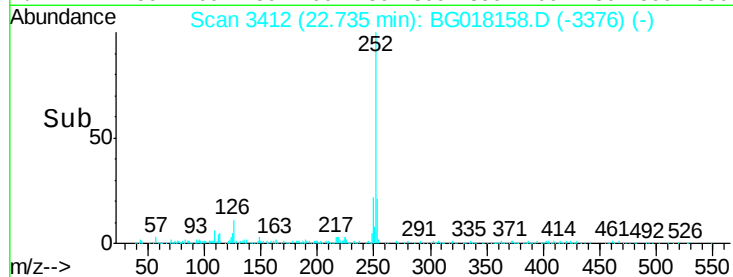
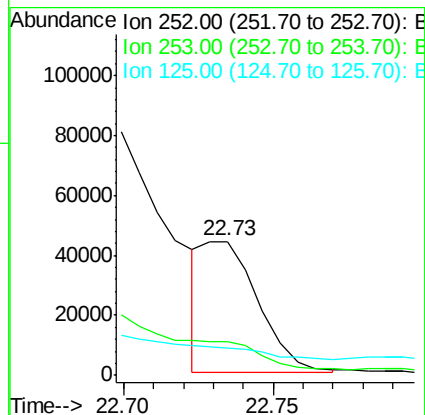
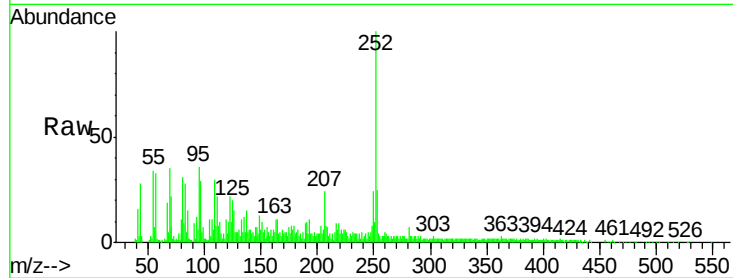
ClientSampleId :

C01X4

Tgt Ion:	252	Resp:	55566
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.8	26.8
125	20.4	9.3	13.9#

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM



#91

Benzo(a)pyrene

Concen: 5.97 ng/ul

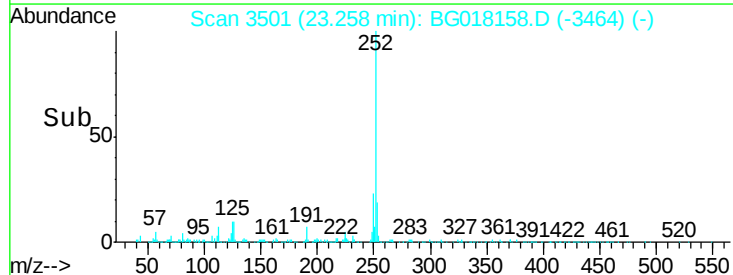
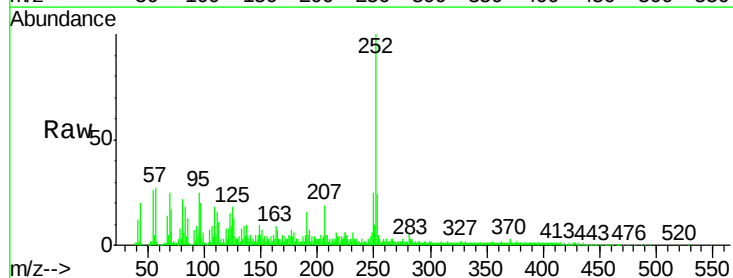
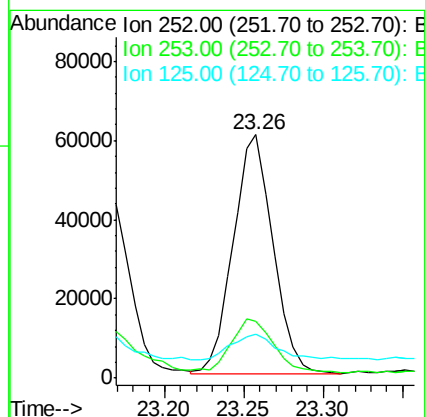
RT: 23.26 min Scan# 3501

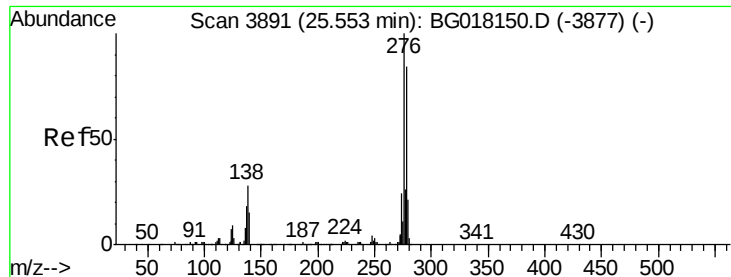
Delta R.T. 0.02 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Tgt Ion:	252	Resp:	104534
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.0	27.0
125	18.2	10.2	15.2#





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.83 ng/ul

RT: 25.57 min Scan# 3895

Delta R.T. 0.02 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Instrument :

BNA_G

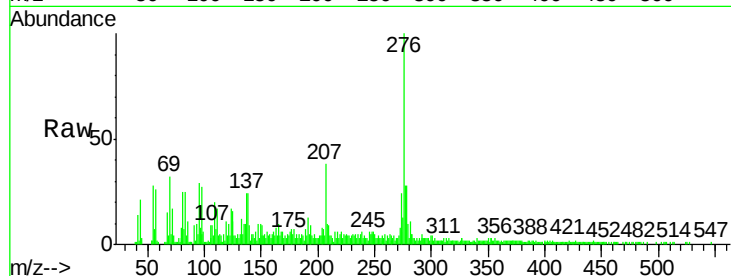
ClientSampleId :

C01X4

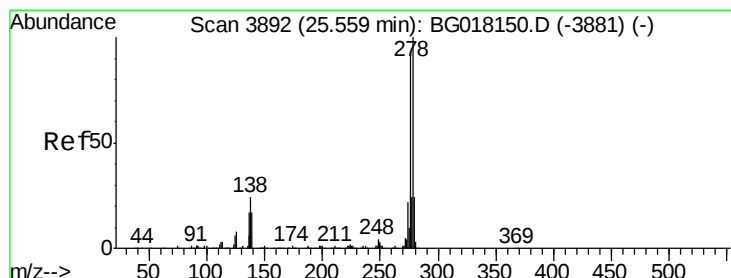
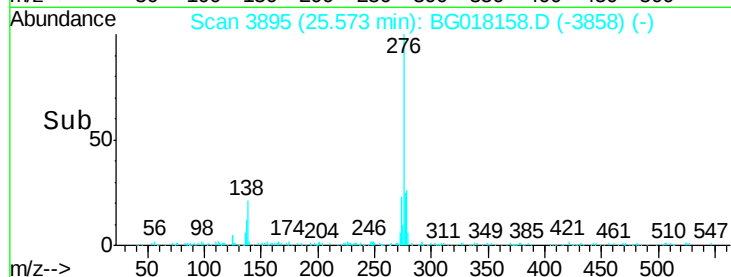
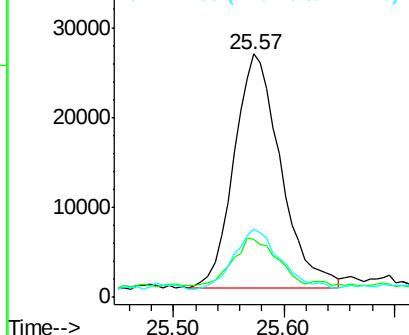
Tgt Ion:	276	Resp:	77402
Ion Ratio	Lower	Upper	
276	100		
138	24.0	22.6	33.8
277	28.2	19.8	29.8

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 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



#93

Dibenzo(a,h)anthracene

Concen: 1.20 ng/ul

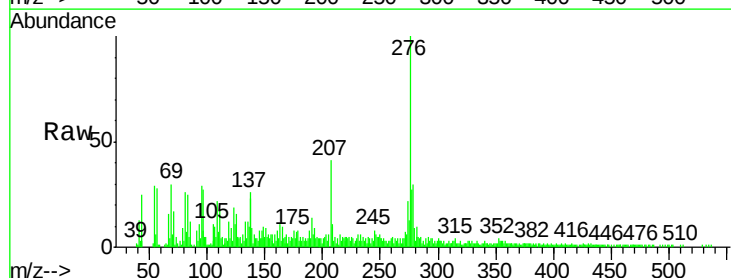
RT: 25.58 min Scan# 3896

Delta R.T. 0.02 min

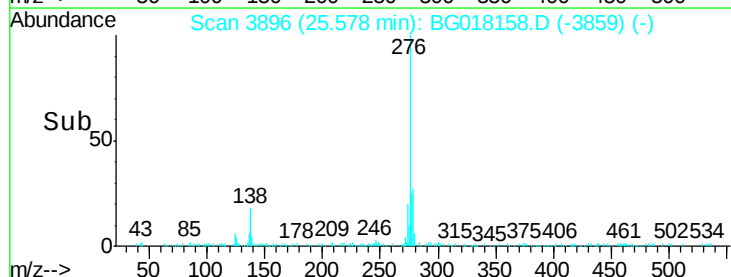
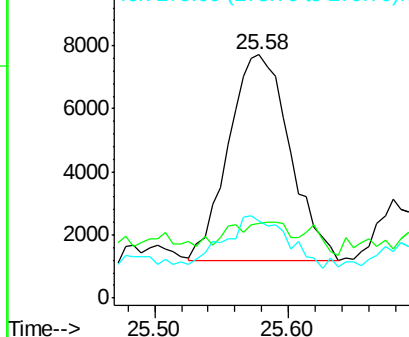
Lab File: BG018158.D

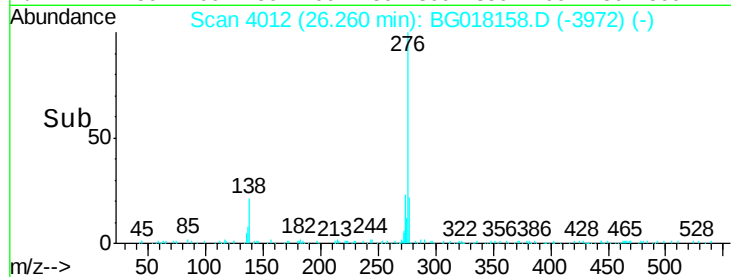
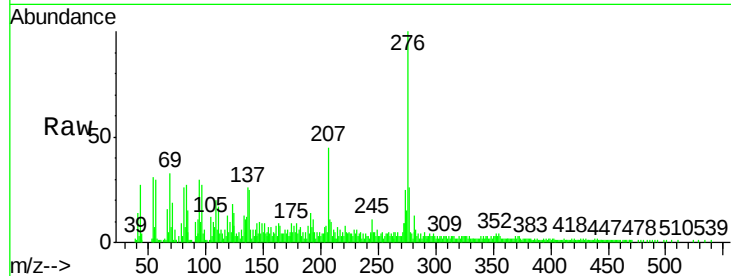
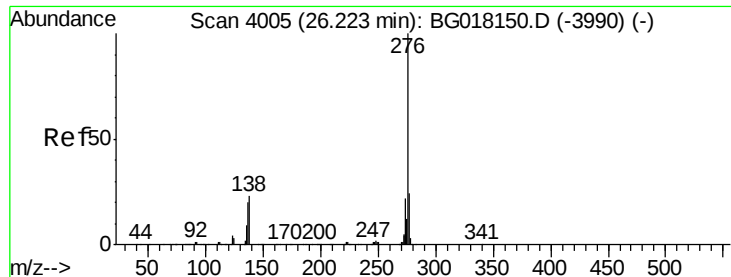
Acq: 28 Jul 2015 22:08

Tgt Ion:	278	Resp:	20689
Ion Ratio	Lower	Upper	
278	100		
139	30.4	13.7	20.5#
279	31.6	18.1	27.1#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 4.53 ng/ul

RT: 26.26 min Scan# 4012

Delta R.T. 0.04 min

Lab File: BG018158.D

Acq: 28 Jul 2015 22:08

Instrument :

BNA_G

ClientSampleId :

C01X4

Tgt Ion:	276	Resp:	75595
Ion Ratio	Lower	Upper	
276	100		
138	25.4	18.8	28.2
277	26.3	19.3	28.9

Manual Integrations
APPROVED

apatel
7/29/2015 1:21:20 PM

