

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
 Data File : BG018224.D
 Acq On : 2 Aug 2015 14:05
 Operator : TP
 Sample : G3065-12RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02A6RE

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:19:10 PM

Quant Time: Aug 03 06:53:14 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 05:58:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	79614	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	313355	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	148933	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.93	188	362091	20.00	ng/ul	0.02
78) Chrysene-d12	21.19	240	782625m	20.00	ng/ul	0.07
86) Perylene-d12	23.39	264	614263m	20.00	ng/ul	0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	1111	1.05	ng/uL	0.00
5) Phenol-d5	6.67	99	57432	8.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	32589	8.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	49534	9.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	26063	4.47	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	26943	10.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	30979	10.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.89	165	46464	9.28	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.57	166	135361	11.76	ng/ul	0.00
47) Acenaphthylene-d8	13.84	160	151503	11.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	12731	5.98	ng/ul	0.00
58) Fluorene-d10	15.16	176	108999	10.47	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.30	200	9176	3.63	ng/ul	0.00
71) Anthracene-d10	17.03	188	191545	12.17	ng/ul	0.03
79) Pyrene-d10	19.39	212	373842m	9.87	ng/ul	0.07
90) Benzo(a)pyrene-d12	23.25	264	348533m	11.22	ng/ul	0.10

Target Compounds

					Qvalue	
14) Acetophenone	8.29	105	19669	2.17	ng/ul#	93
28) Naphthalene	10.31	128	70917	4.70	ng/ul	98
34) 2-Methylnaphthalene	11.94	142	34608	2.90	ng/ul	99
35) 1-Methylnaphthalene	12.16	142	26180	2.28	ng/ul#	85
41) 1,1'-Biphenyl	12.98	154	11743	1.10	ng/ul#	90
45) Dimethylphthalate	13.62	163	262784	22.95	ng/ul	99
50) Acenaphthene	14.22	153	49828	5.77	ng/ul	94
54) Dibenzofuran	14.56	168	39227	3.02	ng/ul#	59
59) Fluorene	15.22	166	87271	7.78	ng/ul#	86
70) Phenanthrene	16.98	178	1090950	59.31	ng/ul#	92
72) Anthracene	17.06	178	227128	12.41	ng/ul#	80
77) Fluoranthene	19.05	202	2348473	116.24	ng/ul	96
80) Pyrene	19.42	202	2580478	54.36	ng/ul	97
83) Benzo(a)anthracene	21.17	228	1415284m	33.58	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.10	149	1002586m	38.54	ng/ul	
85) Chrysene	21.22	228	1565699m	40.56	ng/ul	
88) Benzo(b)fluoranthene	22.74	252	1873714m	50.78	ng/ul	
89) Benzo(k)fluoranthene	22.77	252	547762m	16.15	ng/ul	
91) Benzo(a)pyrene	23.20	252	873918	26.47	ng/ul#	85
92) Indeno(1,2,3-cd)pyrene	25.61	276	628931m	16.47	ng/ul	
93) Dibenzo(a,h)anthracene	25.61	278	160996m	4.92	ng/ul	
94) Benzo(g,h,i)perylene	26.29	276	546444m	17.52	ng/ul	

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
Data File : BG018224.D
Acq On : 2 Aug 2015 14:05
Operator : TP
Sample : G3065-12RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:19:10 PM

Quant Time: Aug 03 06:53:14 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration

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

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

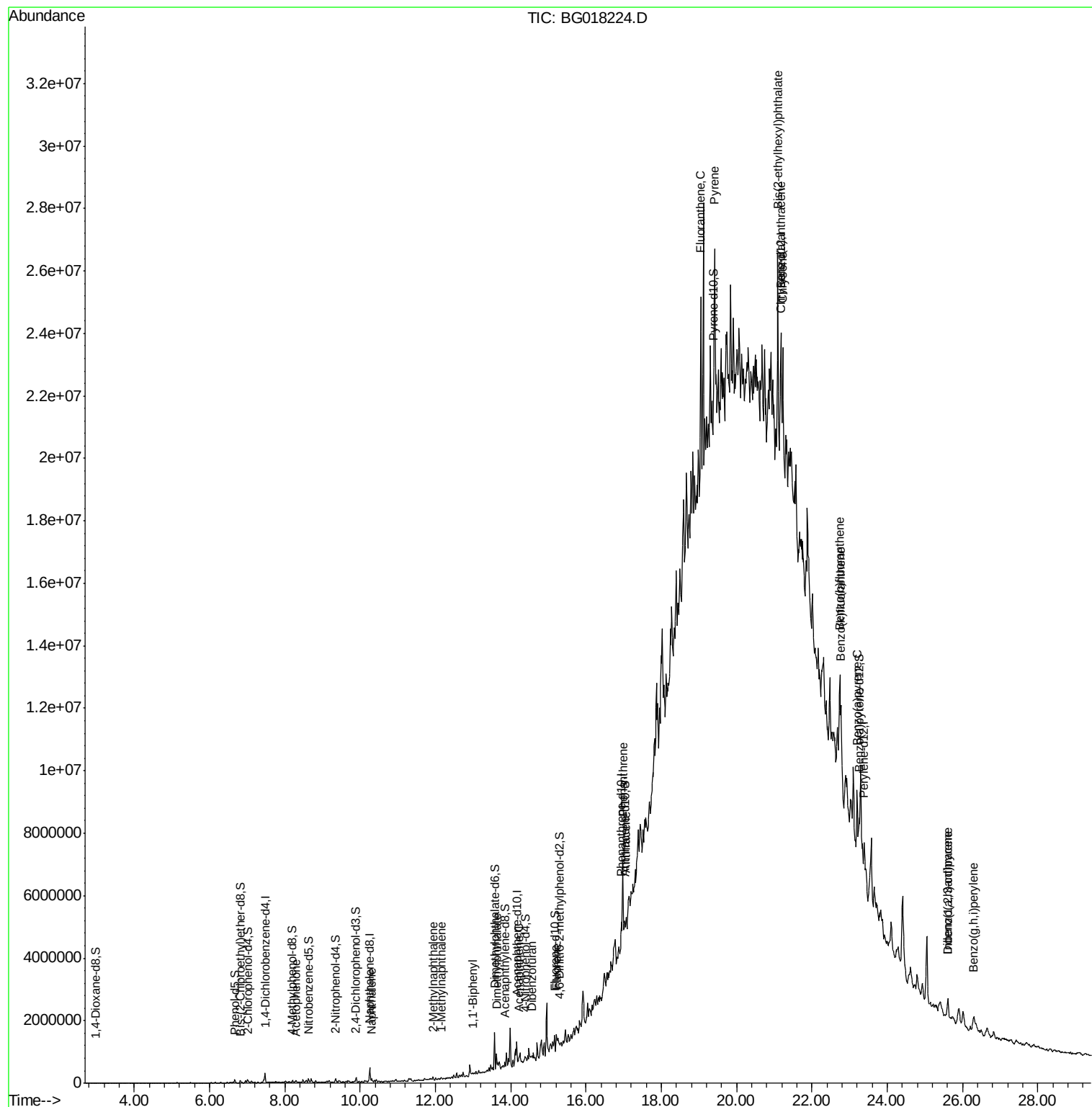
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080215\
Data File : BG018224.D
Acq On : 2 Aug 2015 14:05
Operator : TP
Sample : G3065-12RE
Misc :
ALS Vial : 23 Sample Multiplier: 1

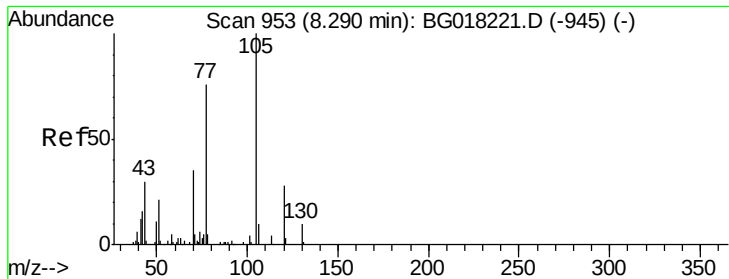
Instrument :
BNA_G
ClientSampled :
C02A6RE

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:19:10 PM

Quant Time: Aug 03 06:53:14 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 05:58:42 2015
Response via : Initial Calibration





#14

Acetophenone

Concen: 2.17 ng/ul

RT: 8.29 min Scan# 954

Delta R.T. 0.00 min

Lab File: BG018224.D

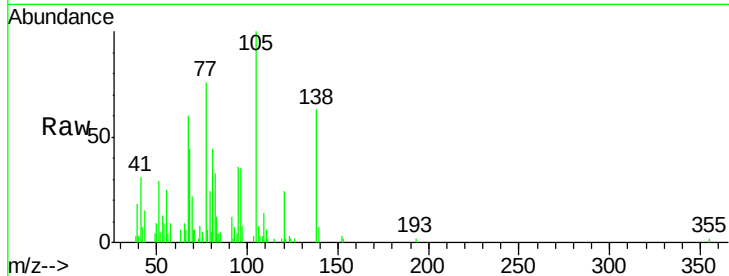
Acq: 2 Aug 2015 14:05

Instrument :

BNA_G

ClientSampleId :

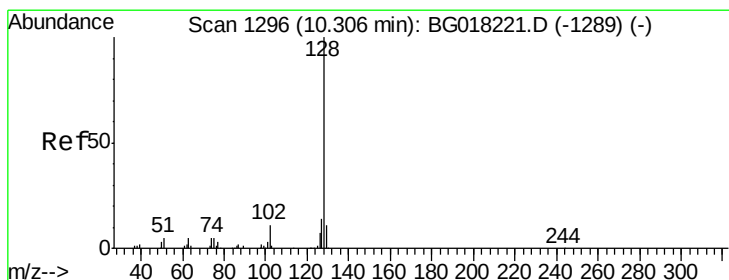
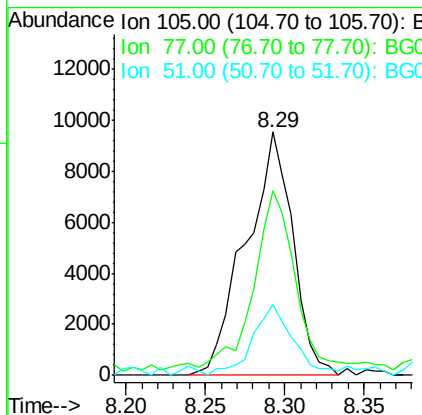
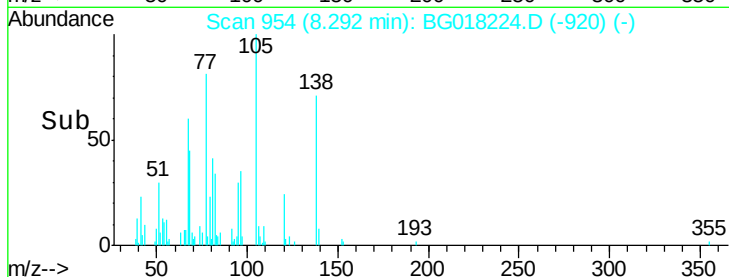
C02A6RE



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	19669		
77	75.8	58.4	87.6	
51	29.0	16.5	24.7	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:19:10 PM



#28

Naphthalene

Concen: 4.70 ng/ul

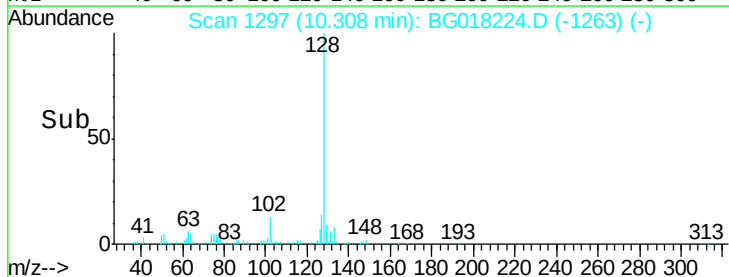
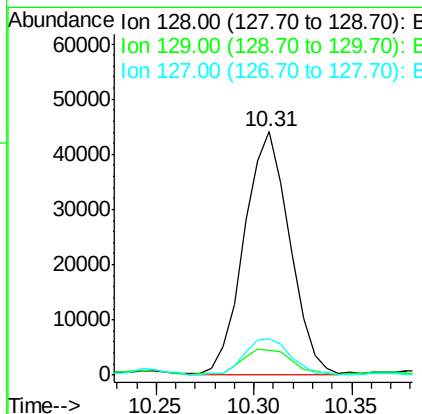
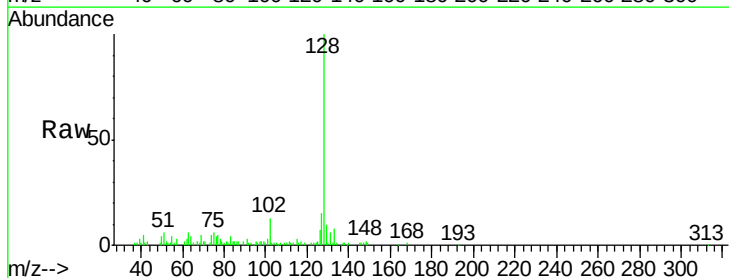
RT: 10.31 min Scan# 1297

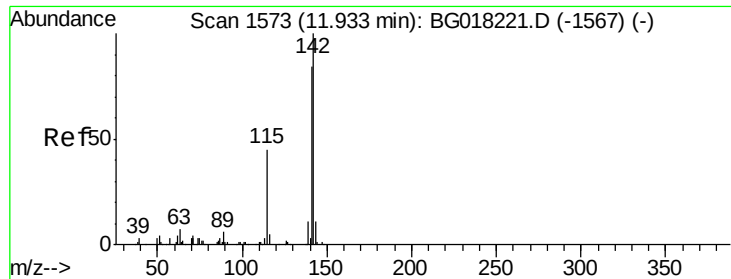
Delta R.T. 0.00 min

Lab File: BG018224.D

Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	70917		
129	10.4	9.1	13.7	
127	14.7	11.2	16.8	





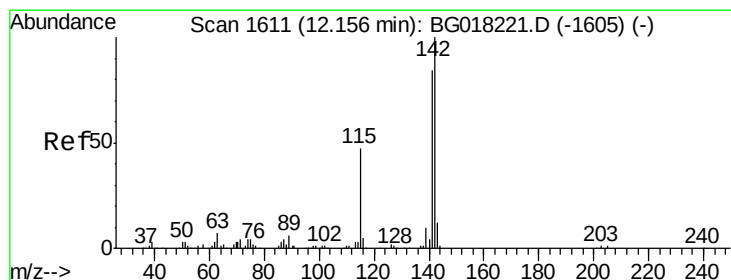
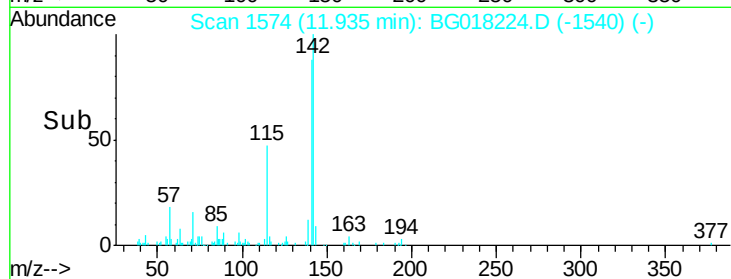
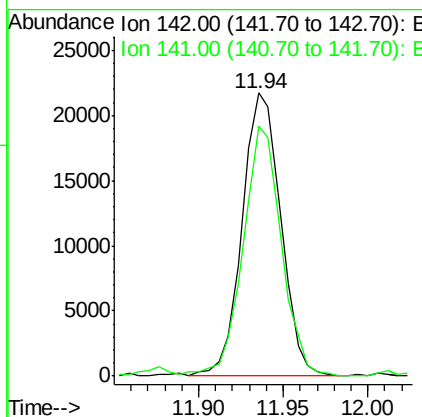
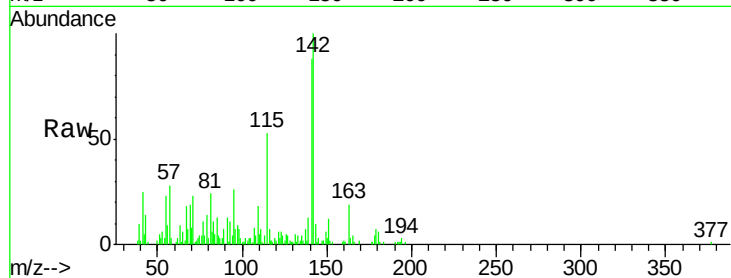
#34
2-Methylnaphthalene
Concen: 2.90 ng/ul
RT: 11.94 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5

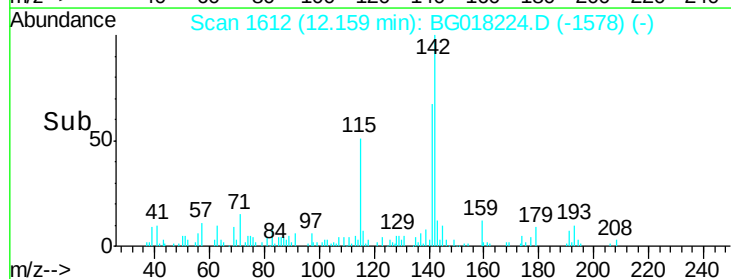
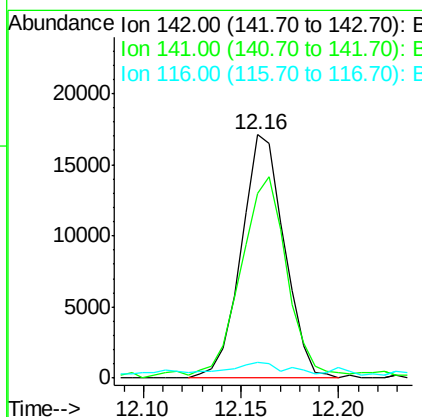
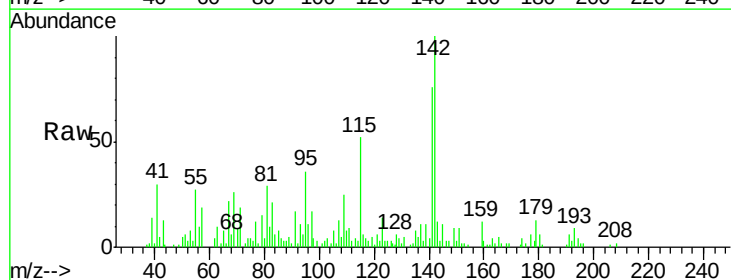
Manual Integrations
APPROVED

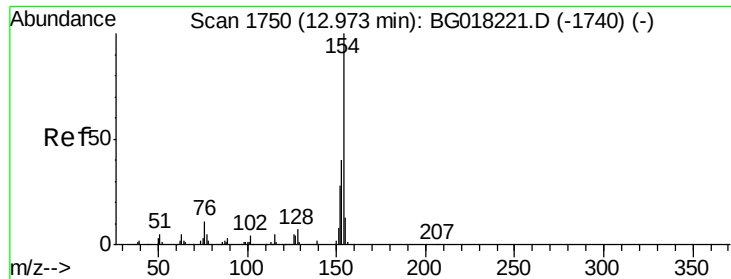
MMDadoda
8/4/2015 12:19:10 PM



#35
1-Methylnaphthalene
Concen: 2.28 ng/ul
RT: 12.16 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.0	72.5	108.7
116	6.5	2.6	4.0#





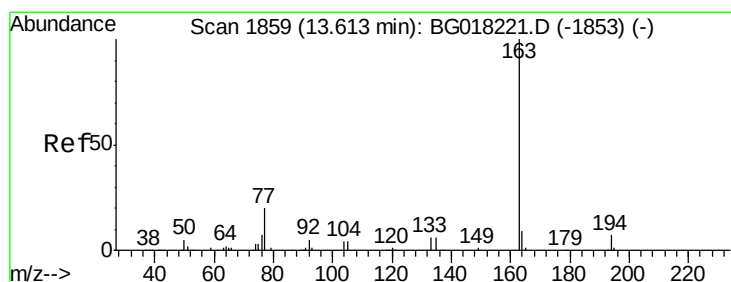
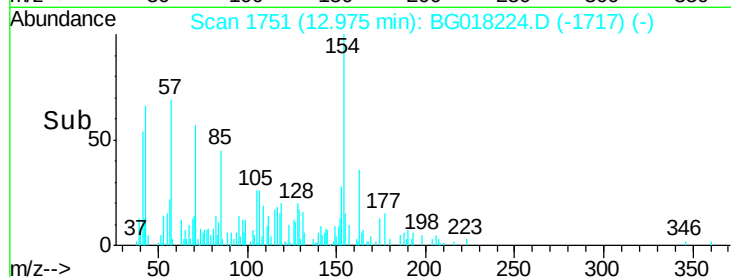
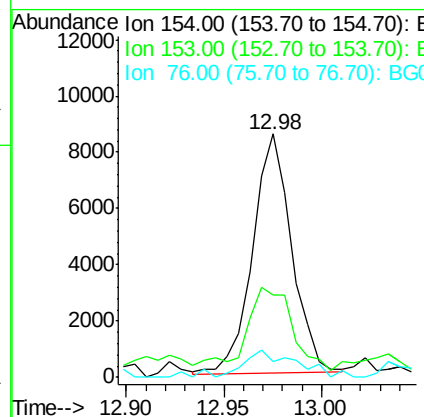
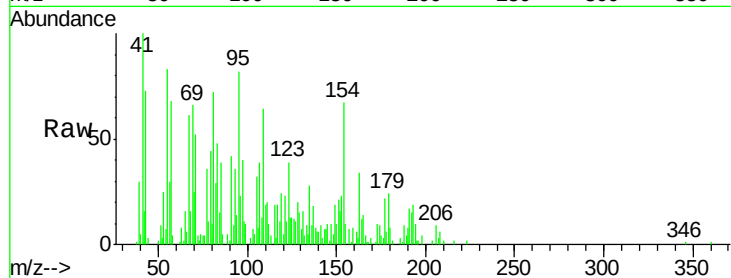
#41
1,1'-Biphenyl
Concen: 1.10 ng/ul
RT: 12.98 min Scan# 1751
Delta R.T. 0.00 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	33.8	32.3	48.5
76	6.5	7.4	11.0

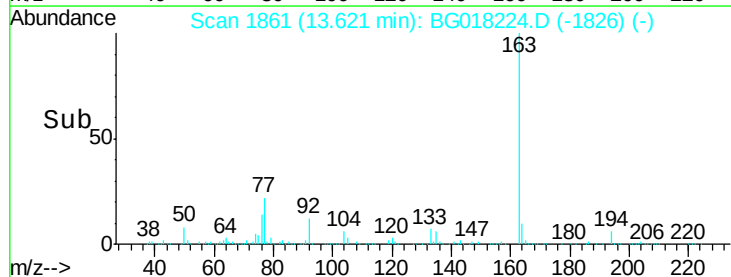
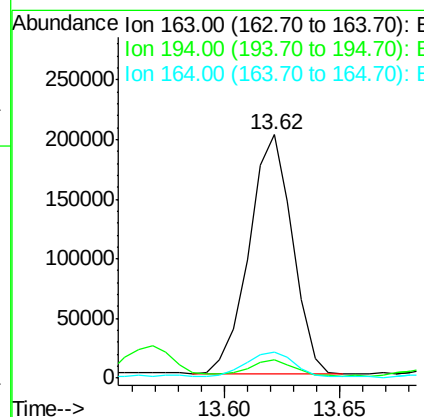
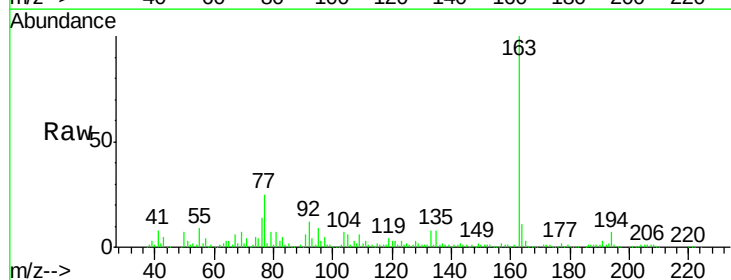
Manual Integrations
APPROVED

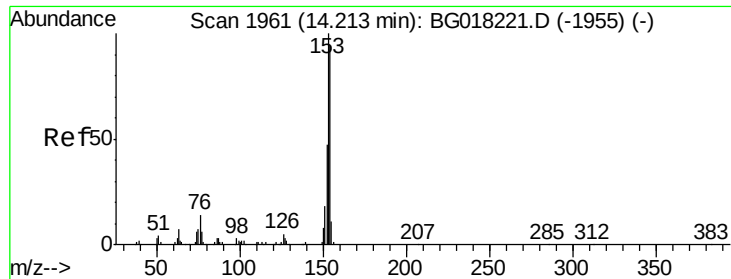
MMDadoda
8/4/2015 12:19:10 PM



#45
Dimethylphthalate
Concen: 22.95 ng/ul
RT: 13.62 min Scan# 1861
Delta R.T. 0.01 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	7.4	5.2	7.8
164	10.6	8.4	12.6





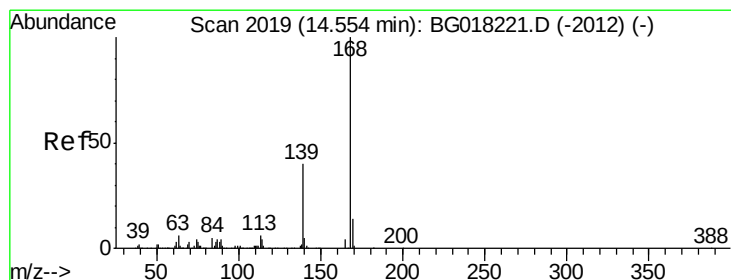
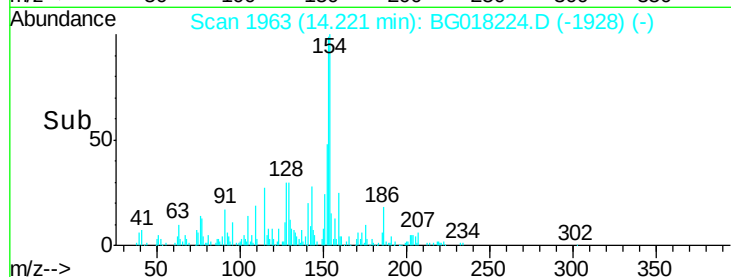
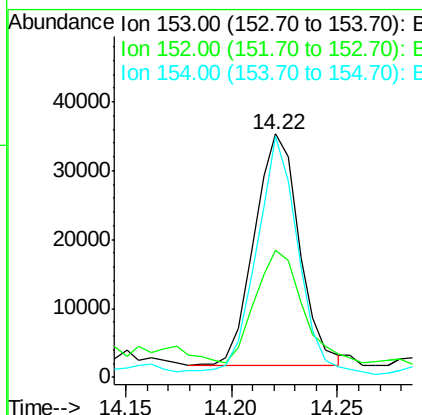
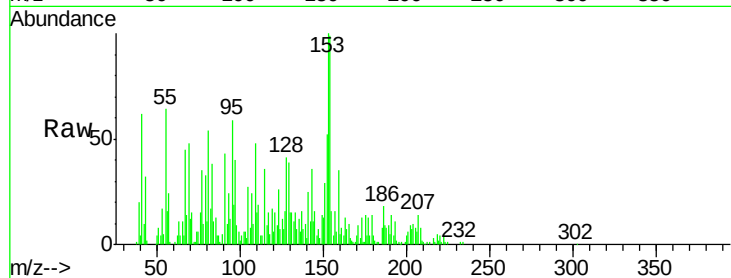
#50
Acenaphthene
Concen: 5.77 ng/ul
RT: 14.22 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Tgt Ion	Ratio	Lower	Upper
153	100		
152	52.1	38.7	58.1
154	98.9	74.8	112.2

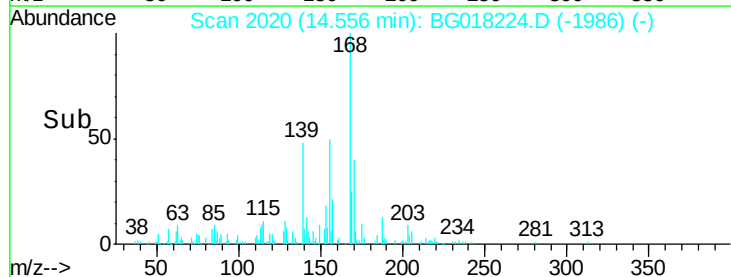
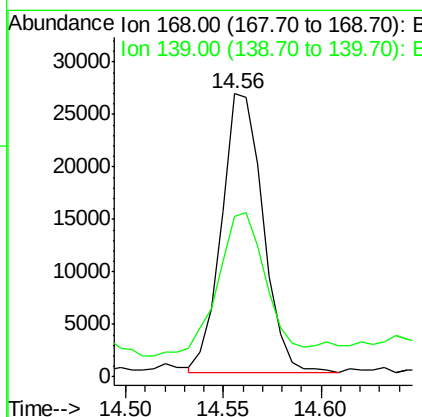
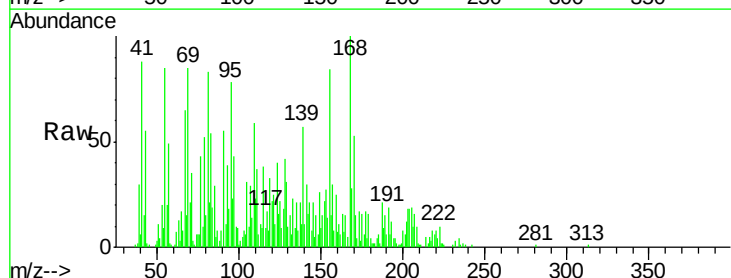
Manual Integrations
APPROVED

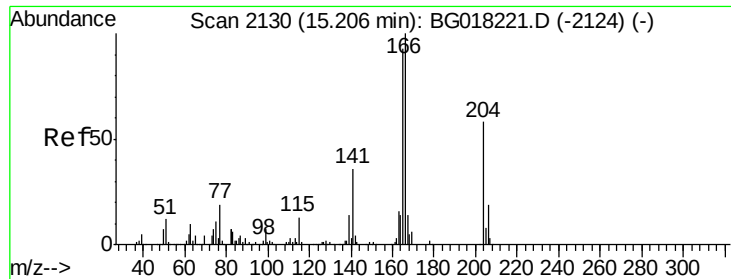
MMDadoda
8/4/2015 12:19:10 PM



#54
Dibenzofuran
Concen: 3.02 ng/ul
RT: 14.56 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Lower	Upper
168	100		
139	56.7	26.8	40.2





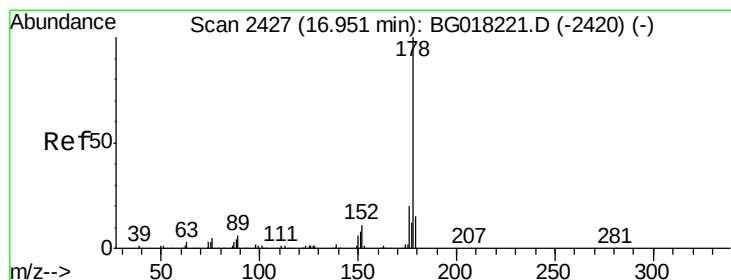
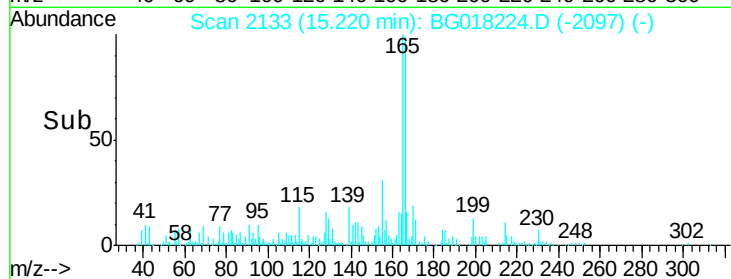
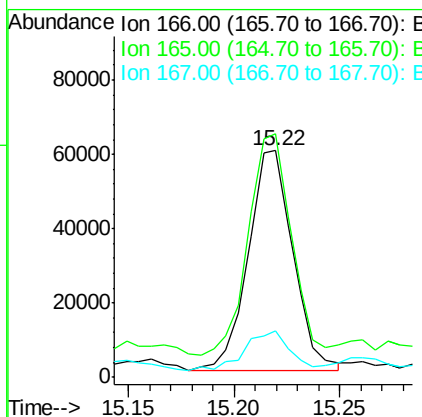
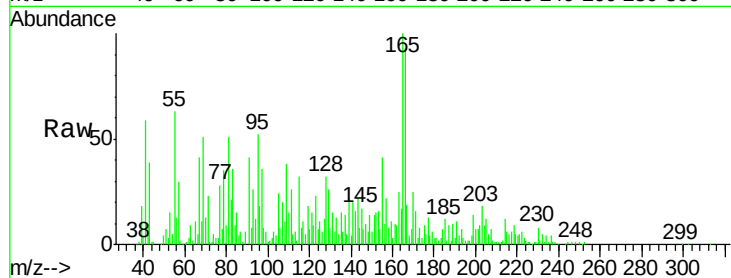
#59
Fluorene
Concen: 7.78 ng/ul
RT: 15.22 min Scan# 2133
Delta R.T. 0.01 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	87271		
165	107.3	75.1	112.7	
167	20.5	11.8	17.6	

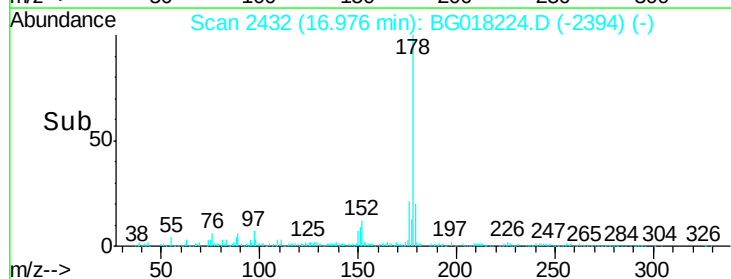
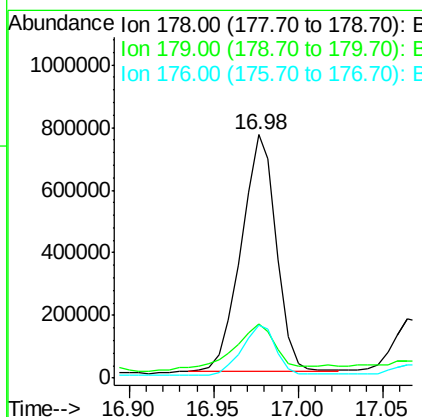
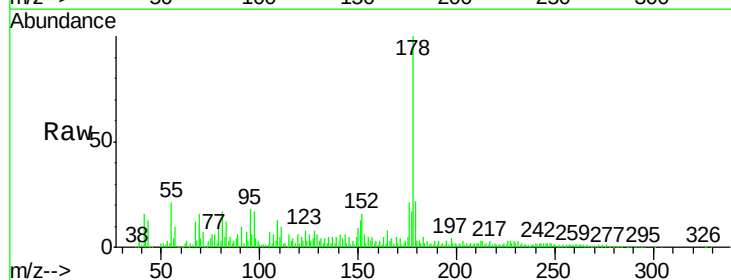
Manual Integrations
APPROVED

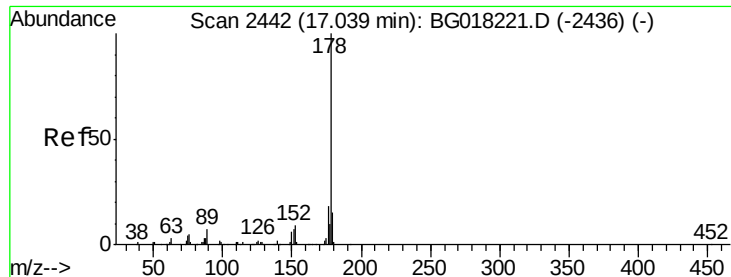
MMDadoda
8/4/2015 12:19:10 PM



#70
Phenanthrene
Concen: 59.31 ng/ul
RT: 16.98 min Scan# 2432
Delta R.T. 0.03 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1090950		
179	22.1	12.8	19.2	
176	21.5	16.0	24.0	





#72

Anthracene

Concen: 12.41 ng/ul

RT: 17.06 min Scan# 2447

Delta R.T. 0.03 min

Lab File: BG018224.D

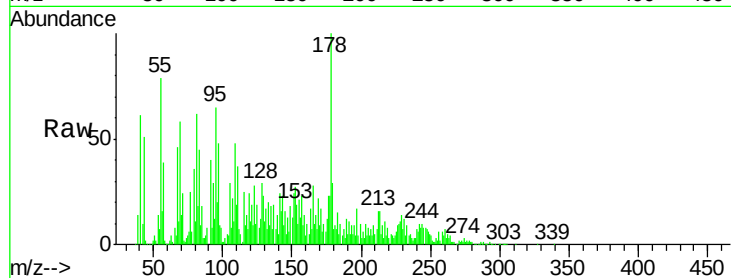
Acq: 2 Aug 2015 14:05

Instrument :

BNA_G

ClientSampleId :

C02A6RE



Tgt Ion:178 Resp: 227128

Ion Ratio Lower Upper

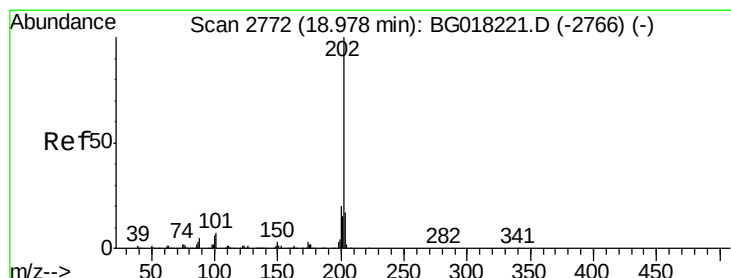
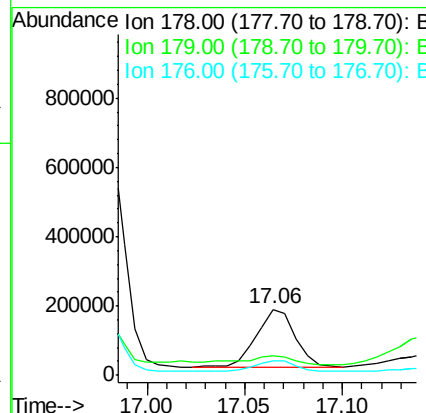
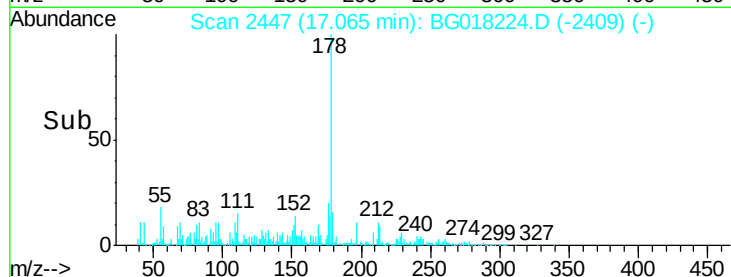
178 100

179 29.0 12.2 18.2#

176 22.9 14.8 22.2#

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:19:10 PM



#77

Fluoranthene

Concen: 116.24 ng/ul

RT: 19.05 min Scan# 2785

Delta R.T. 0.07 min

Lab File: BG018224.D

Acq: 2 Aug 2015 14:05

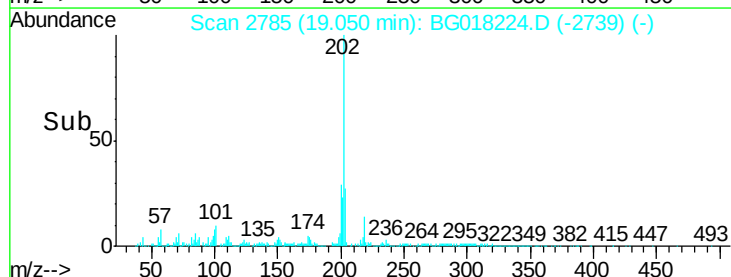
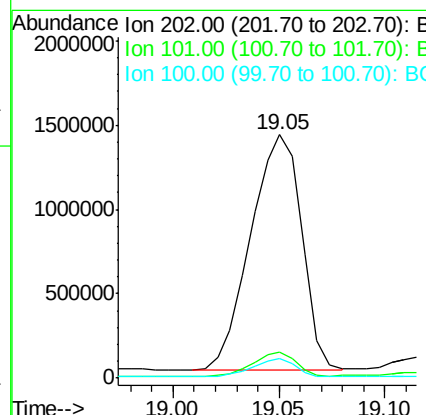
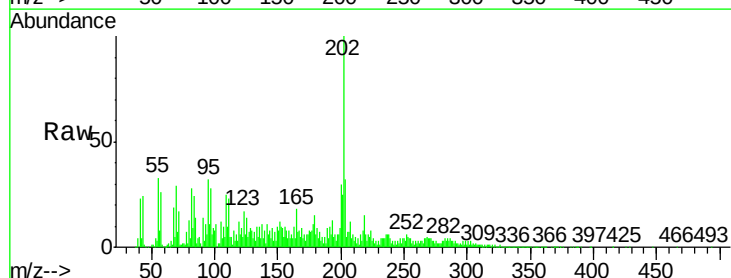
Tgt Ion:202 Resp: 2348473

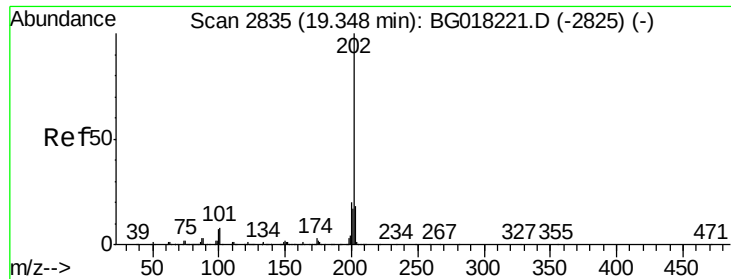
Ion Ratio Lower Upper

202 100

101 10.7 7.5 11.3

100 8.1 5.5 8.3





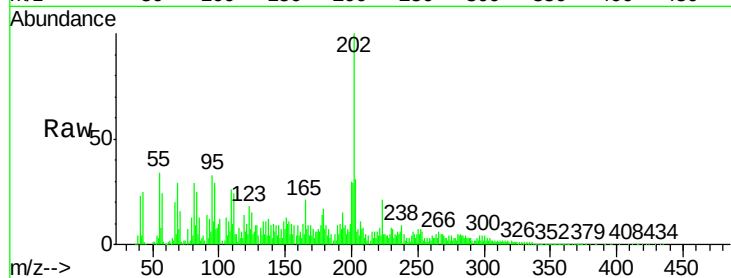
#80
 Pyrene
 Concen: 54.36 ng/ul
 RT: 19.42 min Scan# 2848
 Delta R.T. 0.07 min
 Lab File: BG018224.D
 Acq: 2 Aug 2015 14:05

Instrument :
 BNA_G
 ClientSampleId :
 C02A6RE

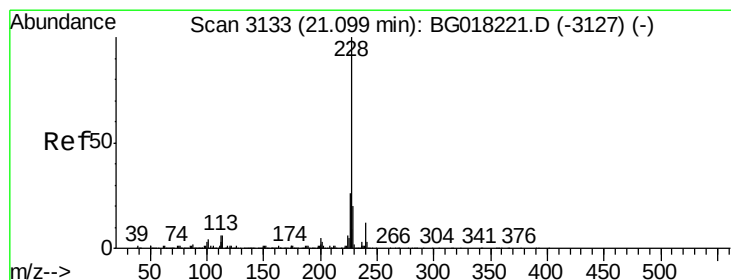
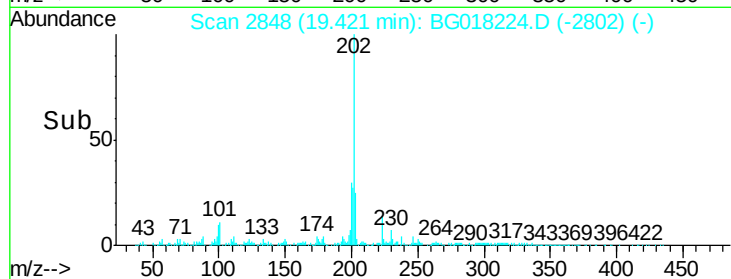
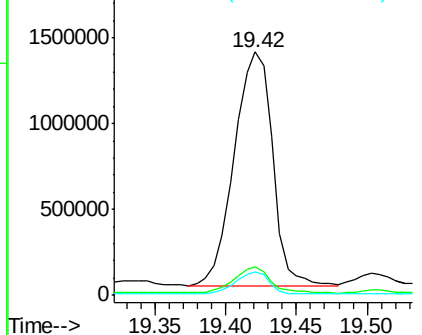
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	8.1	12.1
100	9.9	7.4	11.0

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:19:10 PM

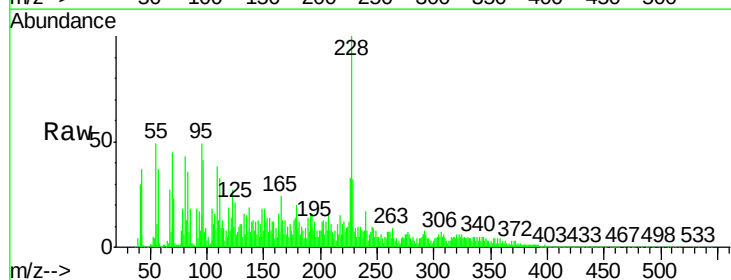


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): E

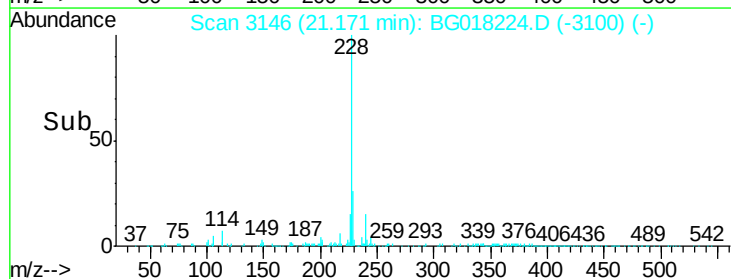
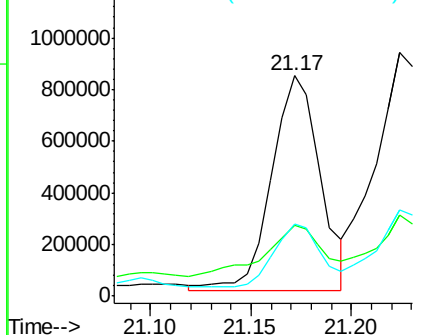


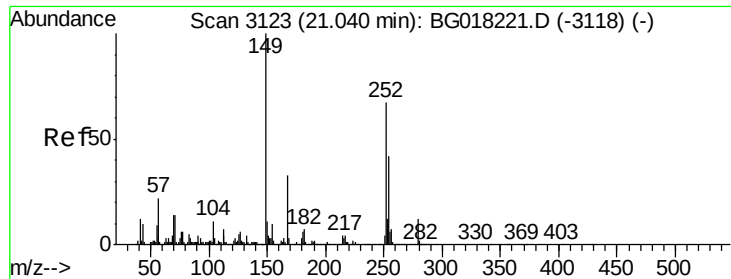
#83
 Benzo(a)anthracene
 Concen: 33.58 ng/ul m
 RT: 21.17 min Scan# 3146
 Delta R.T. 0.07 min
 Lab File: BG018224.D
 Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Lower	Upper
228	100		
229	32.0	16.5	24.7#
226	32.6	21.5	32.3#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





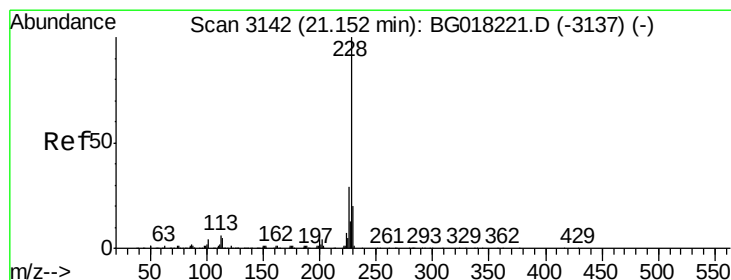
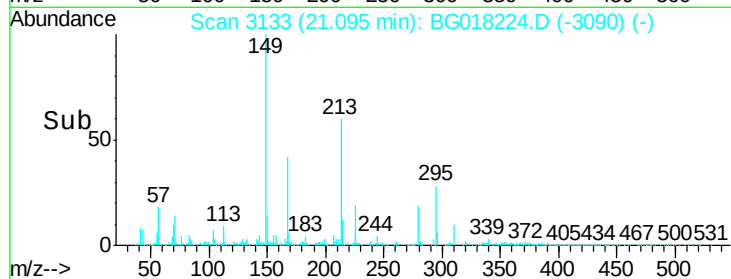
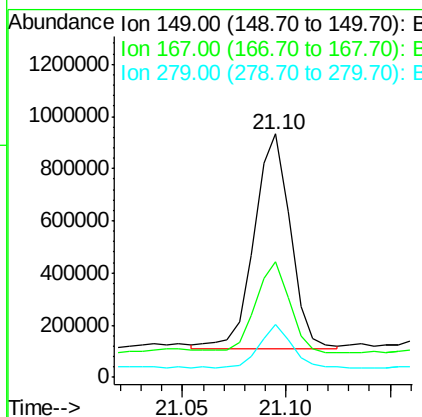
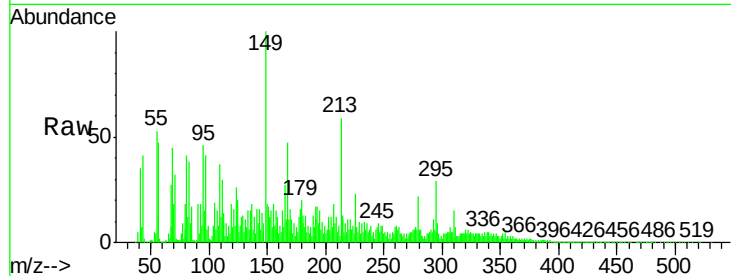
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 38.54 ng/ul m
 RT: 21.10 min Scan# 3133
 Delta R.T. 0.06 min
 Lab File: BG018224.D
 Acq: 2 Aug 2015 14:05

Instrument :
 BNA_G
 ClientSampleId :
 C02A6RE

Tgt Ion:149 Resp: 1002586
 Ion Ratio Lower Upper
 149 100
 167 47.3 27.4 41.2#
 279 21.7 8.3 12.5#

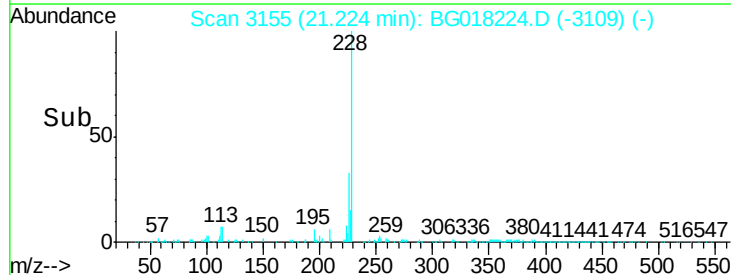
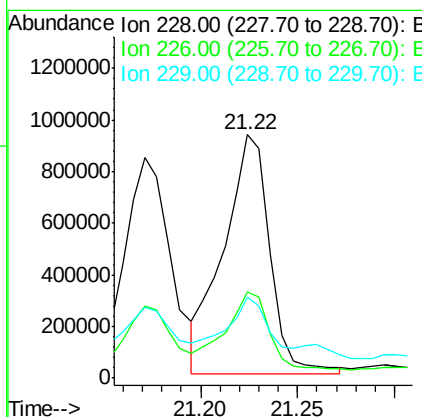
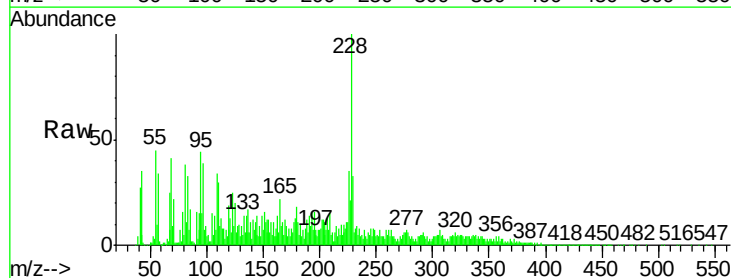
Manual Integrations
 APPROVED

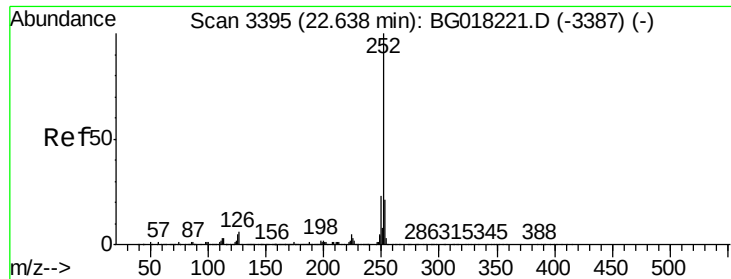
MMDadoda
 8/4/2015 12:19:10 PM



#85
 Chrysene
 Concen: 40.56 ng/ul m
 RT: 21.22 min Scan# 3155
 Delta R.T. 0.07 min
 Lab File: BG018224.D
 Acq: 2 Aug 2015 14:05

Tgt Ion:228 Resp: 1565699
 Ion Ratio Lower Upper
 228 100
 226 35.5 22.7 34.1#
 229 33.1 16.2 24.2#





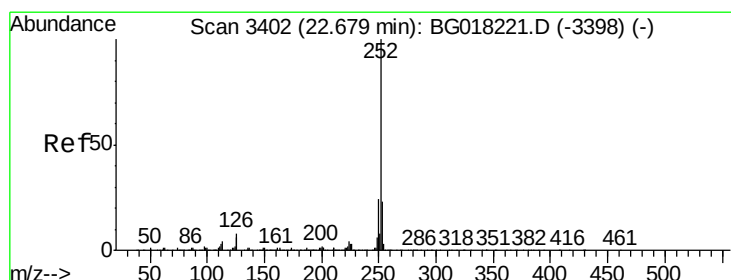
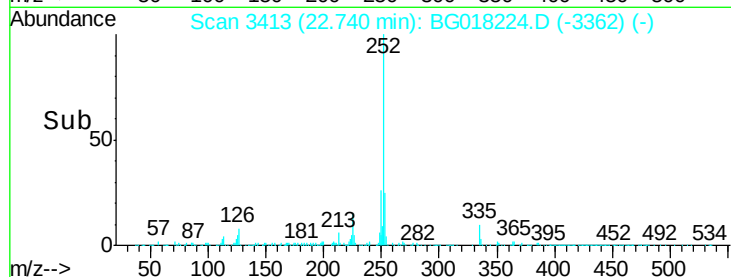
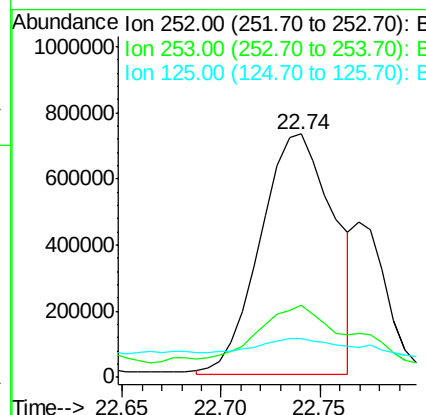
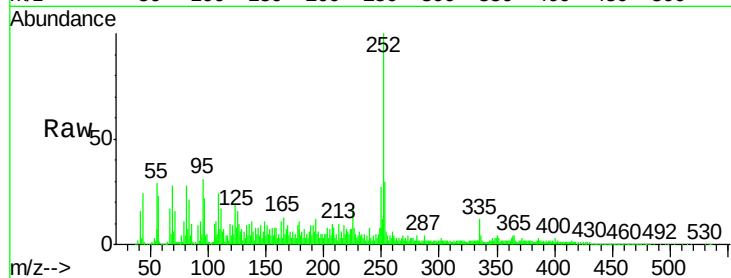
#88
Benzo(b)fluoranthene
Concen: 50.78 ng/ul m
RT: 22.74 min Scan# 3413
Delta R.T. 0.10 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.5	27.7#
125	15.9	7.4	11.0#

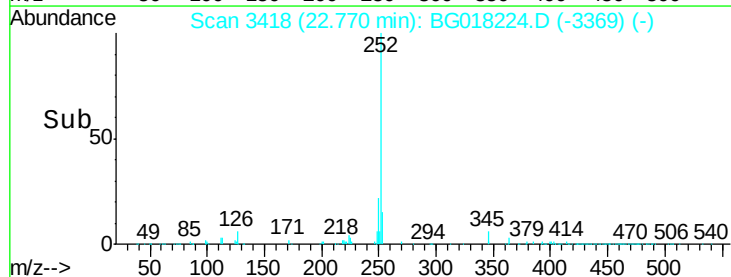
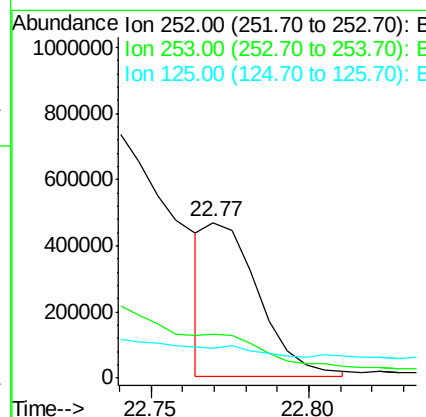
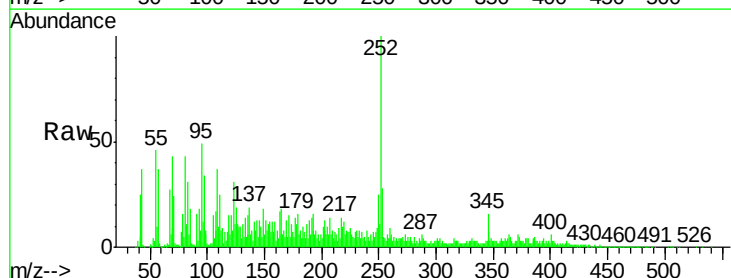
Manual Integrations
APPROVED

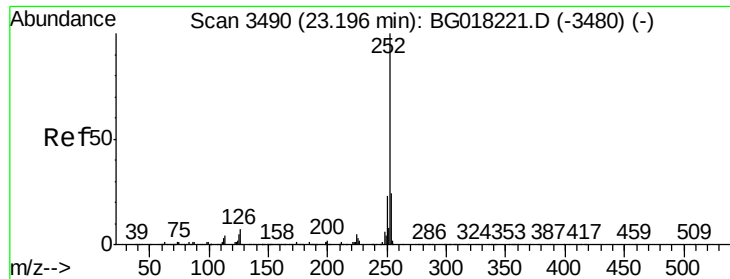
MMDadoda
8/4/2015 12:19:10 PM



#89
Benzo(k)fluoranthene
Concen: 16.15 ng/ul m
RT: 22.77 min Scan# 3418
Delta R.T. 0.09 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.2	27.2#
125	19.4	7.5	11.3#





#91

Benzo(a)pyrene

Concen: 26.47 ng/ul

RT: 23.20 min Scan# 3492

Delta R.T. 0.01 min

Lab File: BG018224.D

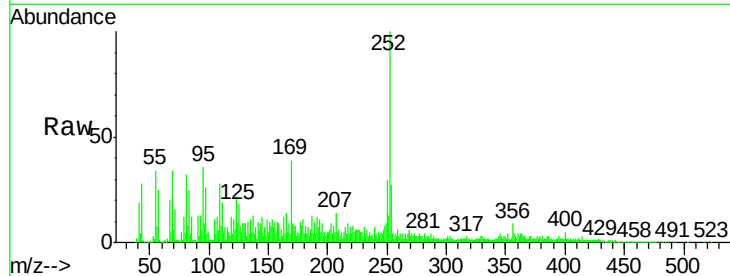
Acq: 2 Aug 2015 14:05

Instrument :

BNA_G

ClientSampleId :

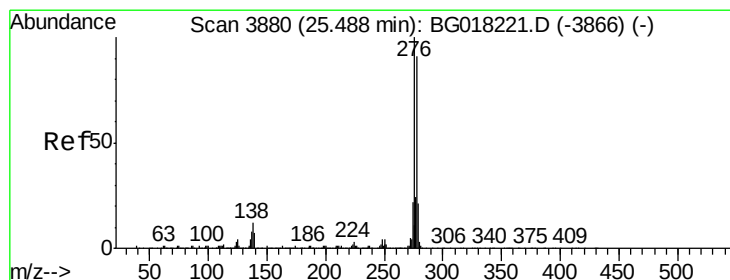
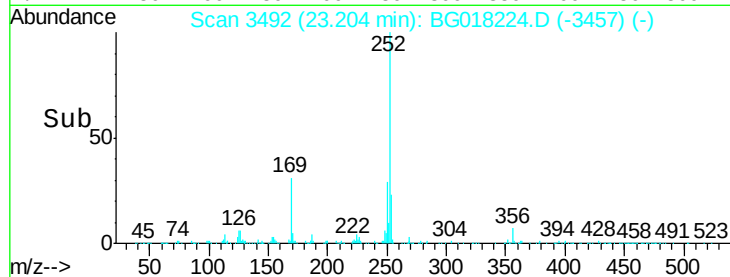
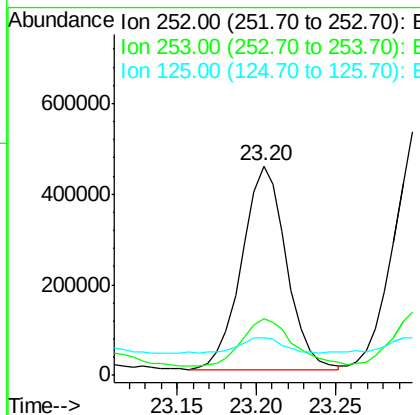
C02A6RE



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	873918		
253	27.1	17.4	26.2#	
125	17.8	7.3	10.9#	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:19:10 PM



#92

Indeno(1,2,3-cd)pyrene

Concen: 16.47 ng/ul m

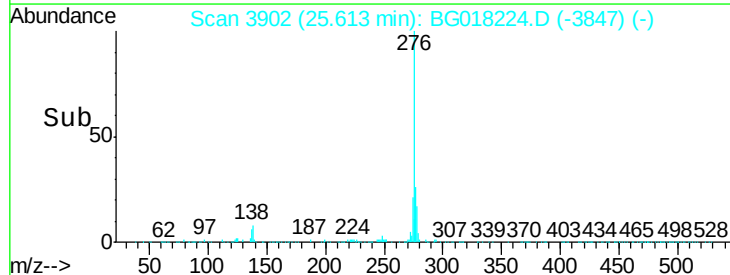
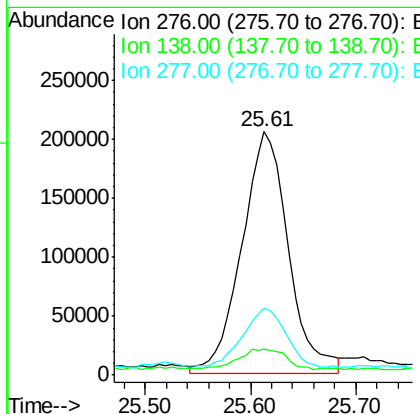
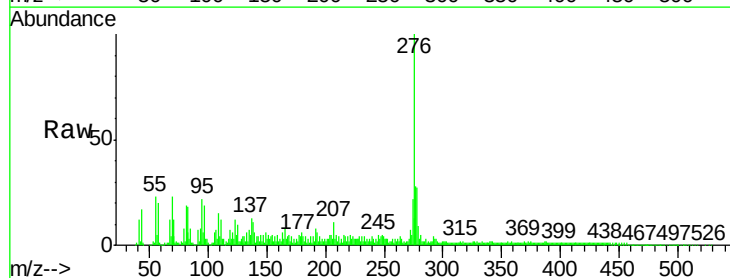
RT: 25.61 min Scan# 3902

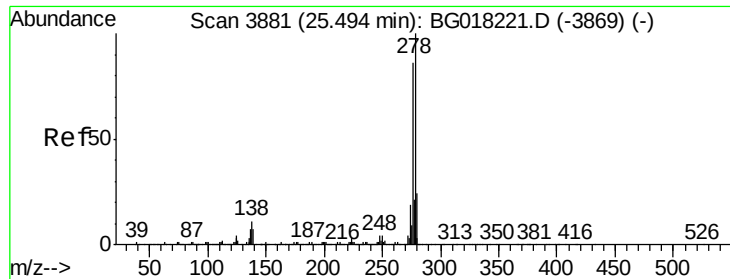
Delta R.T. 0.13 min

Lab File: BG018224.D

Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	628931		
138	10.6	17.2	25.8#	
277	27.7	19.5	29.3	





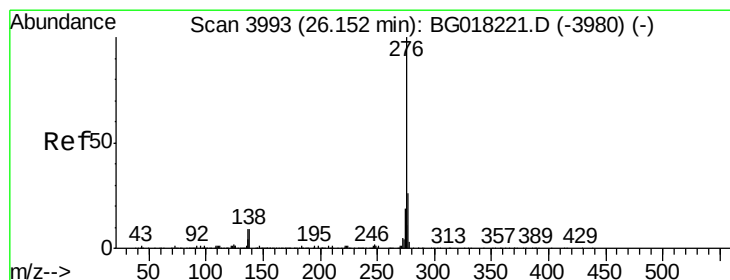
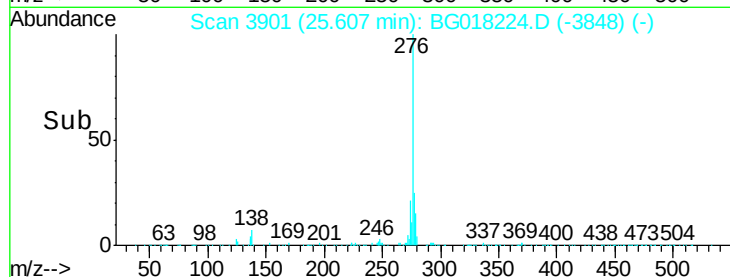
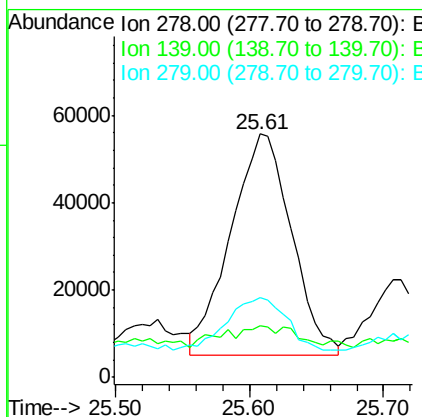
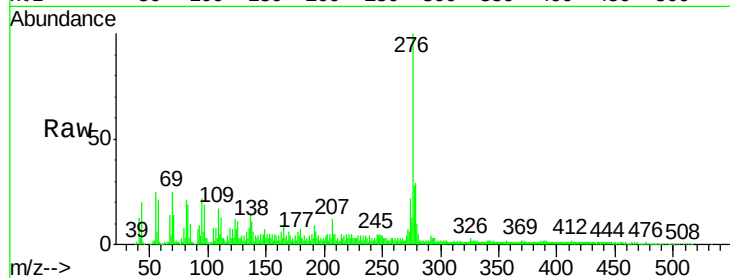
#93
Dibenzo(a,h)anthracene
Concen: 4.92 ng/ul m
RT: 25.61 min Scan# 3901
Delta R.T. 0.11 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Instrument :
BNA_G
ClientSampleId :
C02A6RE

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	160996		
139	21.2	12.2	18.2#	
279	32.7	20.0	30.0#	

Manual Integrations
APPROVED

MMDadoda
8/4/2015 12:19:10 PM



#94
Benzo(g,h,i)perylene
Concen: 17.52 ng/ul m
RT: 26.29 min Scan# 4018
Delta R.T. 0.14 min
Lab File: BG018224.D
Acq: 2 Aug 2015 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	546444		
138	10.7	15.1	22.7#	
277	26.8	19.8	29.6	

