

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG040215\
 Data File : BG016221.D
 Acq On : 2 Apr 2015 12:36
 Operator : TP/IZ
 Sample : G1647-09DL 25X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 C0AC8DL

Manual Integrations
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 4/3/2015 2:22:03 PM

Quant Time: Apr 03 05:30:04 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 03 05:14:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	65389	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.49	136	288876	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	174241	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	356824	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	351137	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	344053	20.00	ng/ul	0.00

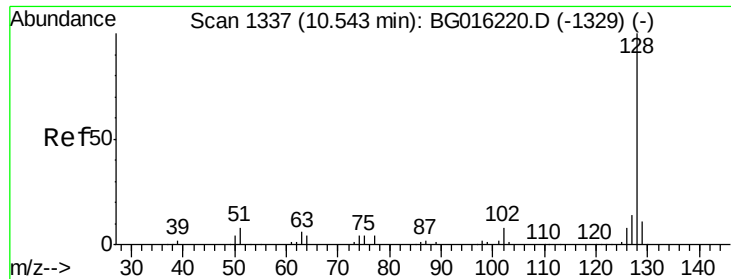
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.87	99	9700	1.62	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.03	67	5523	1.59	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.23	132	7678	1.63	ng/ul	-0.01
13) 4-Methylphenol-d8	8.40	113	7976	1.71	ng/ul	-0.01
19) Nitrobenzene-d5	8.86	128	4586	1.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	4666	1.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	6744	1.53	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.62	131	5027	0.85	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	21778	1.89	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	29313	1.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	4148	1.43	ng/ul	0.00
57) Fluorene-d10	15.34	176	21188	1.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	1971	0.81	ng/ul	0.00
70) Anthracene-d10	17.19	188	29636	1.81	ng/ul	0.00
76) Pyrene-d10	19.48	212	30436	1.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	26281	1.69	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.54	128	20624	1.33	ng/ul	99
34) 2-Methylnaphthalene	12.15	142	13371	1.22	ng/ul	96
49) Acenaphthene	14.41	153	116830	9.62	ng/ul	98
53) Dibenzofuran	14.74	168	115048	7.29	ng/ul	97
58) Fluorene	15.39	166	163984	11.86	ng/ul	100
69) Phenanthrene	17.13	178	1101269	54.37	ng/ul	97
71) Anthracene	17.22	178	430844	20.81	ng/ul	99
72) Carbazole	17.49	167	93840	4.69	ng/ul	97
74) Fluoranthene	19.15	202	1402667	62.30	ng/ul	98
77) Pyrene	19.51	202	1169759	53.67	ng/ul	99
80) Benzo(a)anthracene	21.25	228	597687	29.41	ng/ul	99
82) Chrysene	21.31	228	488172	25.86	ng/ul	97
85) Benzo(b)fluoranthene	22.85	252	640648	31.18	ng/ul	97
86) Benzo(k)fluoranthene	22.88	252	247104m	12.48	ng/ul	
88) Benzo(a)pyrene	23.42	252	493980	25.22	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.81	276	306444	13.38	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.82	278	78013	4.09	ng/ul	94
91) Benzo(g,h,i)perylene	26.52	276	239575	12.80	ng/ul	99

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



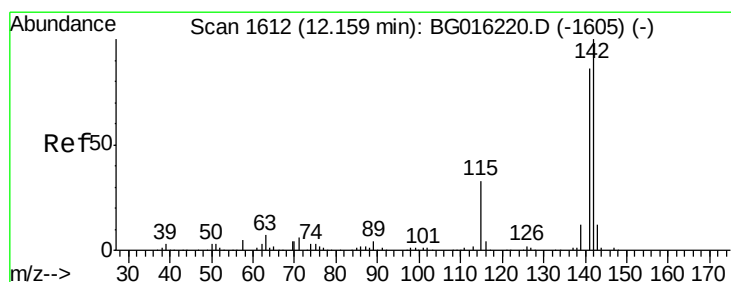
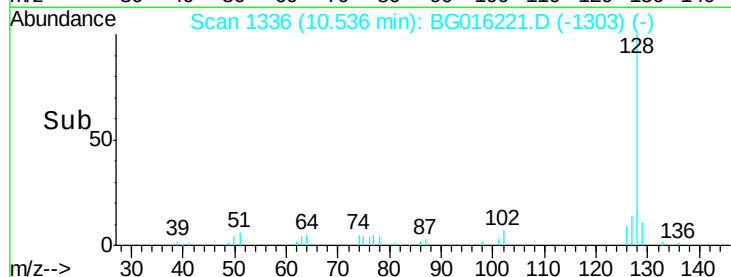
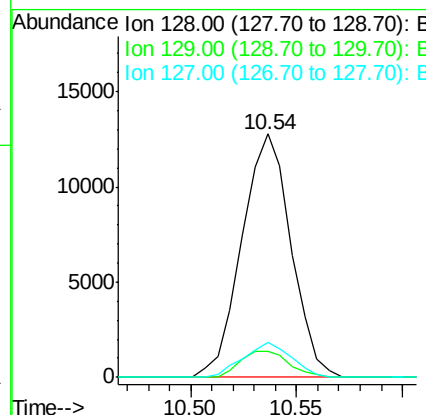
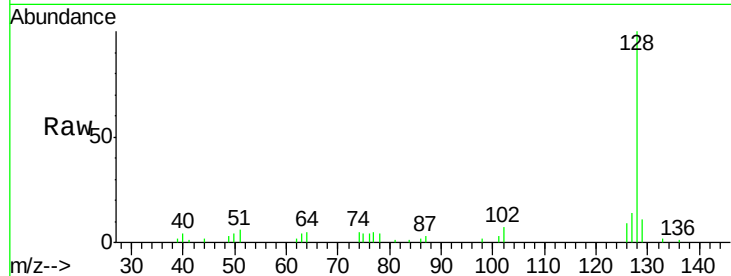
#28
Naphthalene
Concen: 1.33 ng/ul
RT: 10.54 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Instrument :
BNA_G
ClientSampleId :
C0AC8DL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.2	13.8
127	14.3	11.4	17.0

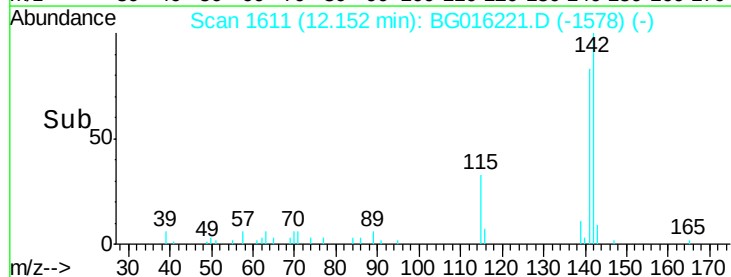
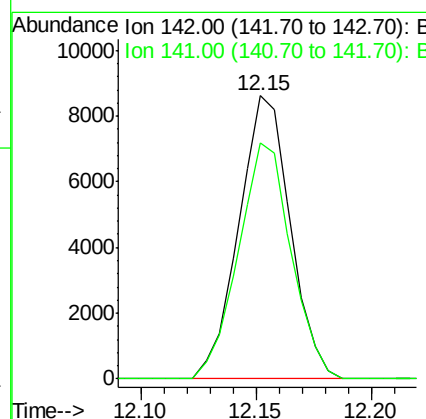
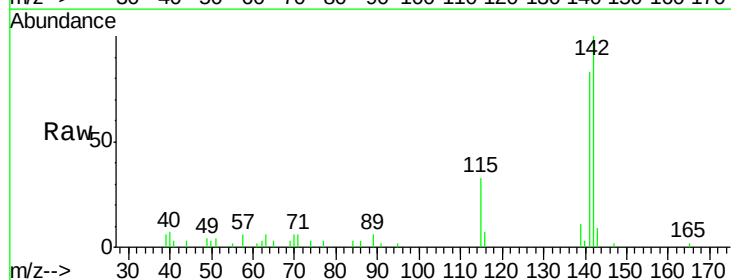
Manual Integrations
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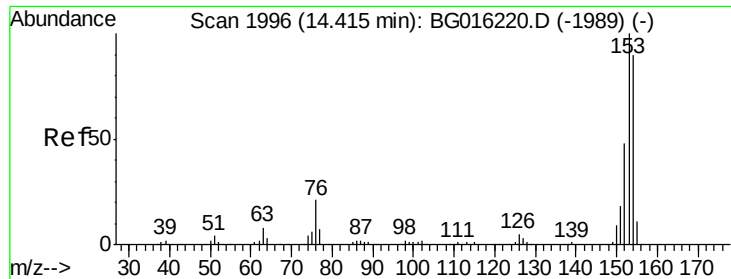
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#34
2-Methylnaphthalene
Concen: 1.22 ng/ul
RT: 12.15 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.2	69.7	104.5





#49

Acenaphthene

Concen: 9.62 ng/ul

RT: 14.41 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BG016221.D

Acq: 2 Apr 2015 12:36

Instrument :

BNA_G

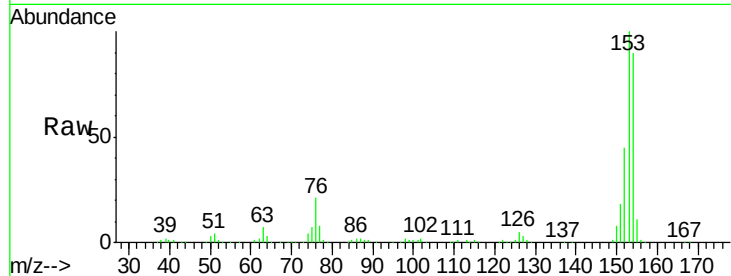
ClientSampleId :

C0AC8DL

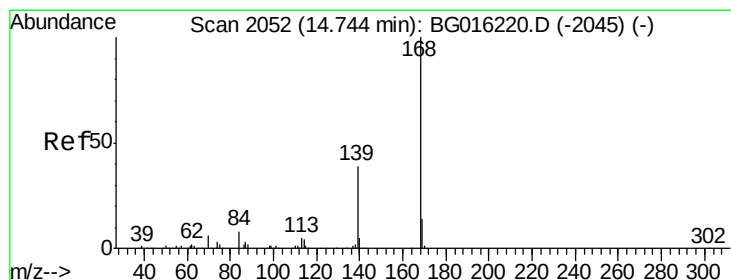
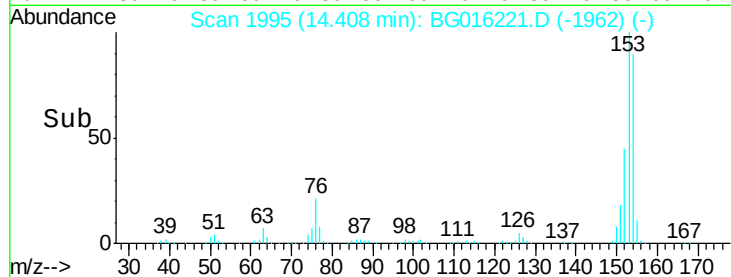
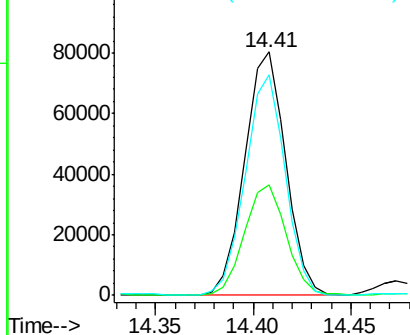
Tgt Ion:	153	Resp:	116830
Ion Ratio	Lower	Upper	
153	100		
152	45.2	39.0	58.4
154	90.5	72.5	108.7

Manual Integrations
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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



#53

Dibenzofuran

Concen: 7.29 ng/ul

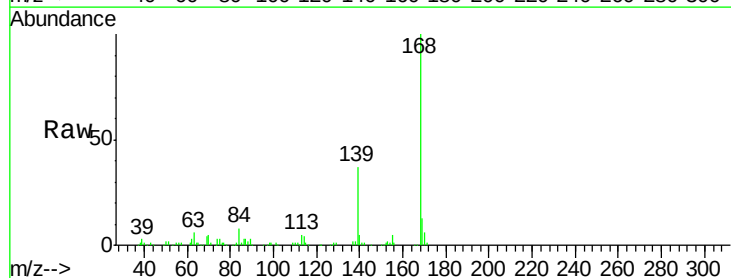
RT: 14.74 min Scan# 2052

Delta R.T. -0.00 min

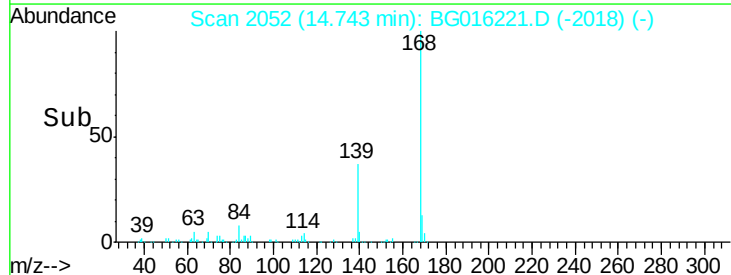
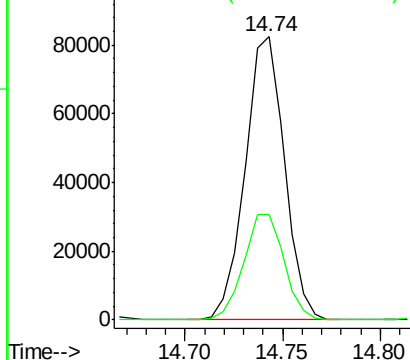
Lab File: BG016221.D

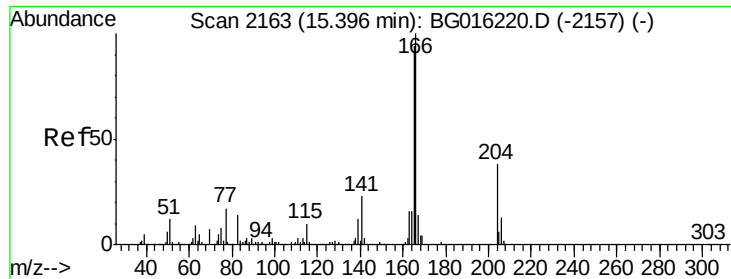
Acq: 2 Apr 2015 12:36

Tgt Ion:	168	Resp:	115048
Ion Ratio	Lower	Upper	
168	100		
139	37.4	31.4	47.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





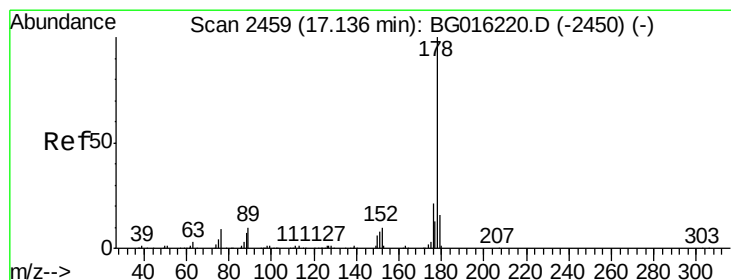
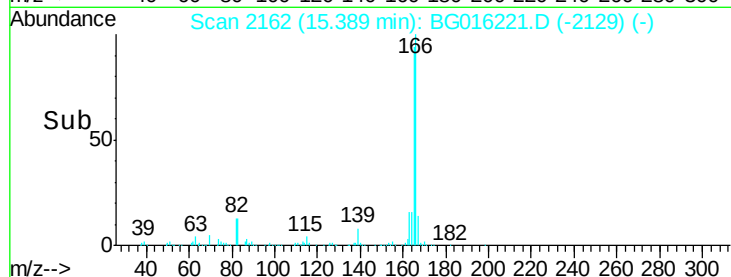
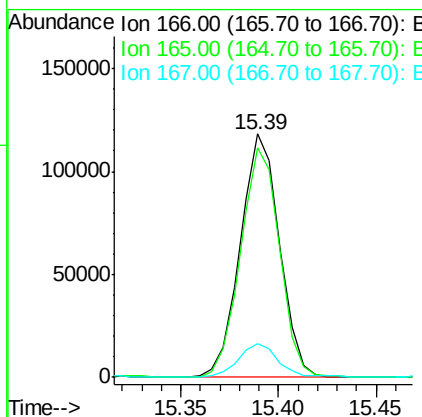
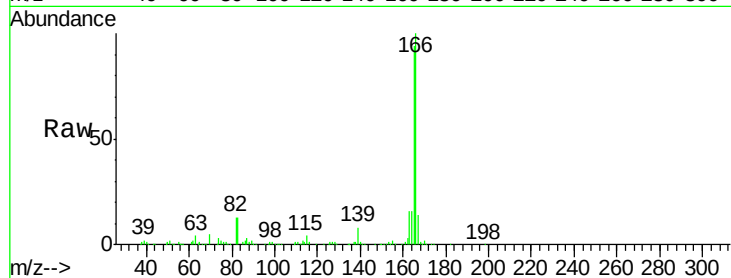
#58
 Fluorene
 Concen: 11.86 ng/ul
 RT: 15.39 min Scan# 2162
 Delta R.T. -0.01 min
 Lab File: BG016221.D
 Acq: 2 Apr 2015 12:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	163984		
165	94.1	75.6	113.4	
167	13.8	10.7	16.1	

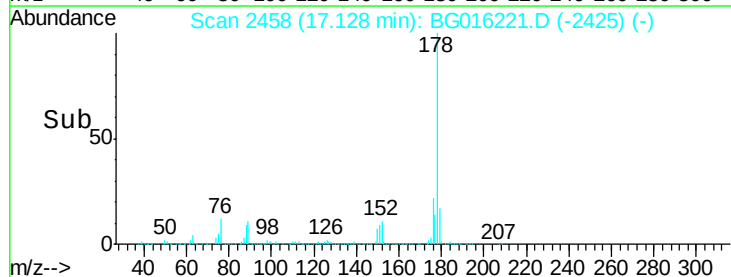
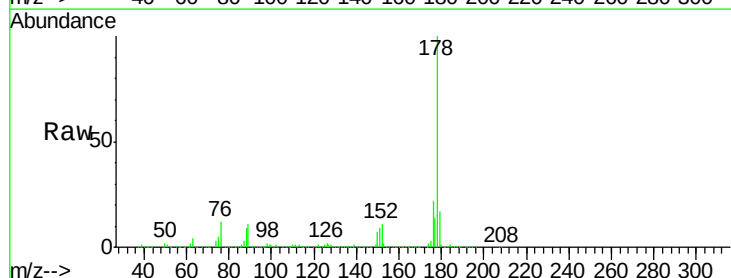
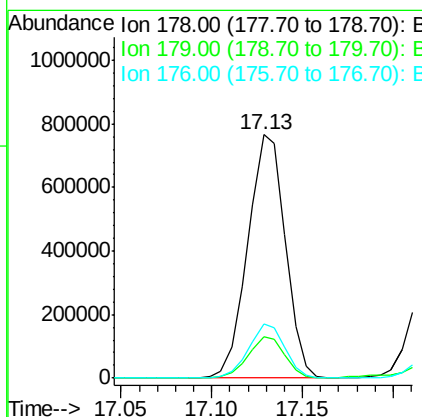
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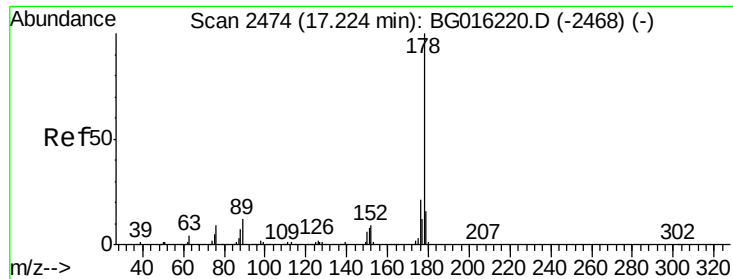
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#69
 Phenanthrene
 Concen: 54.37 ng/ul
 RT: 17.13 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG016221.D
 Acq: 2 Apr 2015 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1101269		
179	16.9	12.6	19.0	
176	22.2	16.6	24.8	





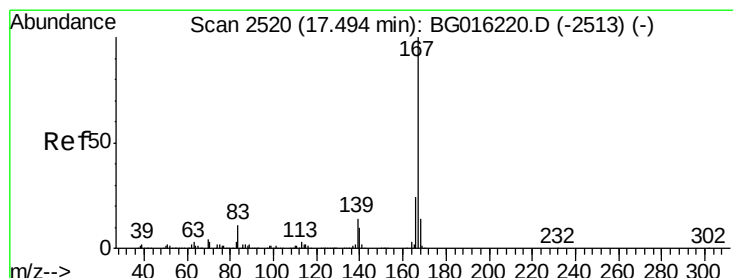
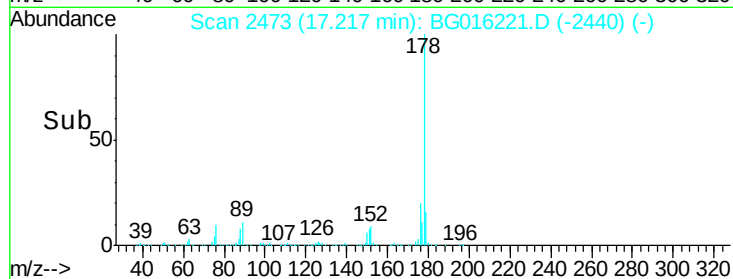
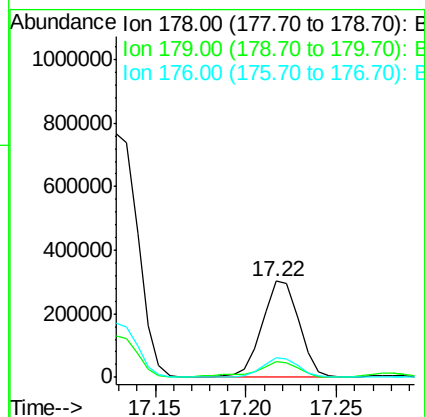
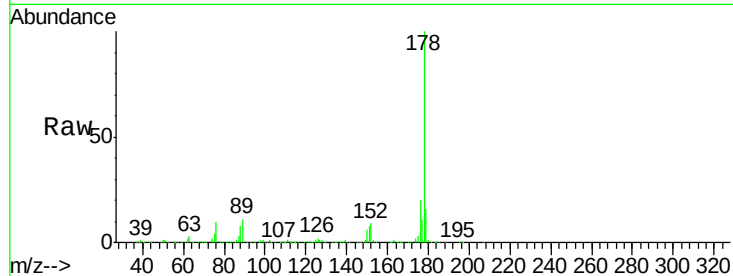
#71
 Anthracene
 Concen: 20.81 ng/ul
 RT: 17.22 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BG016221.D
 Acq: 2 Apr 2015 12:36

Instrument :
 BNA_G
 ClientSampleId :
 C0AC8DL

Tgt Ion:	178	Resp:	430844
Ion Ratio	Lower	Upper	
178	100		
179	16.3	13.0	19.4
176	20.4	15.9	23.9

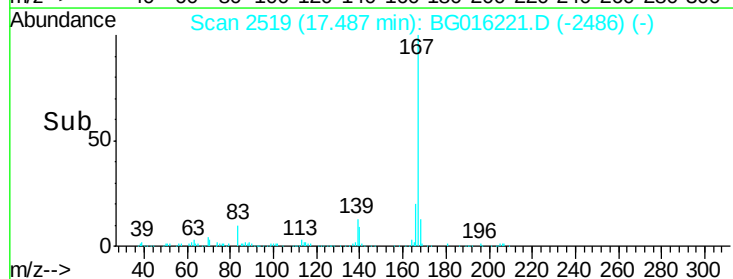
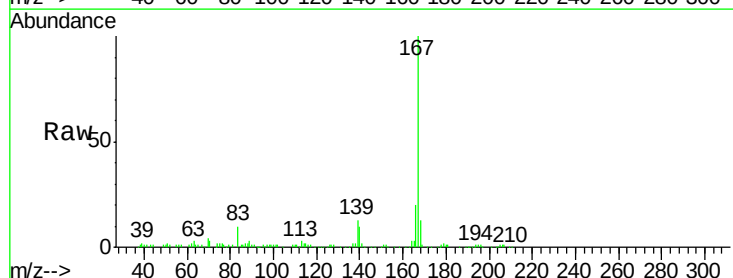
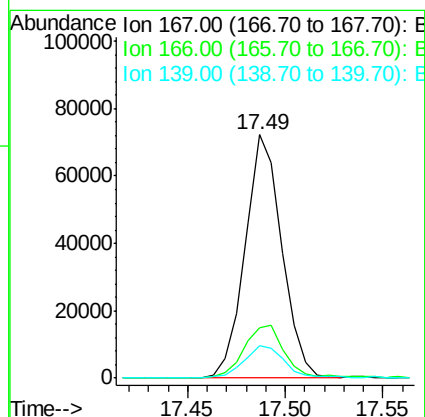
Manual Integrations
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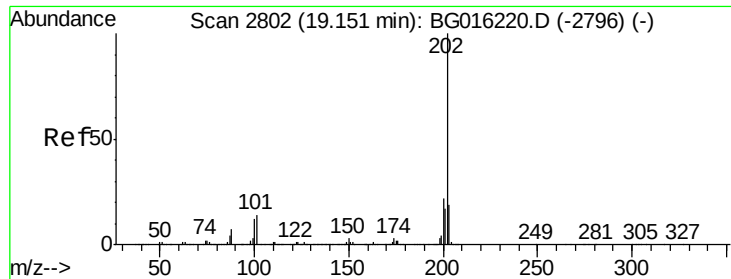
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#72
 Carbazole
 Concen: 4.69 ng/ul
 RT: 17.49 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BG016221.D
 Acq: 2 Apr 2015 12:36

Tgt Ion:	167	Resp:	93840
Ion Ratio	Lower	Upper	
167	100		
166	20.4	18.4	27.6
139	13.4	10.7	16.1





#74

Fluoranthene

Concen: 62.30 ng/ul

RT: 19.15 min Scan# 2802

Delta R.T. -0.00 min

Lab File: BG016221.D

Acq: 2 Apr 2015 12:36

Instrument :

BNA_G

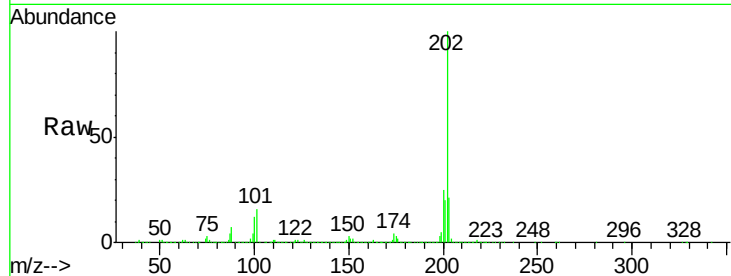
ClientSampleId :

C0AC8DL

Tgt	Ion	202	Resp	1402667
Ion	Ratio	Lower	Upper	
202	100			
101	15.7	11.8	17.8	
100	12.4	9.4	14.0	

Manual Integrations
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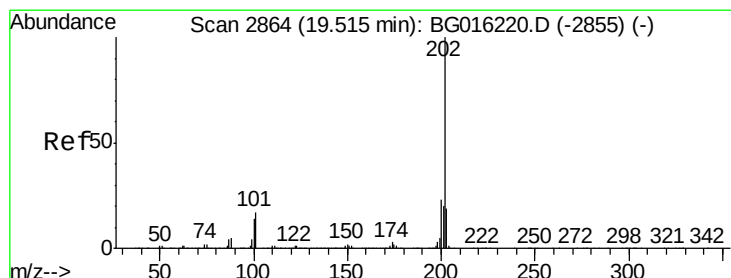
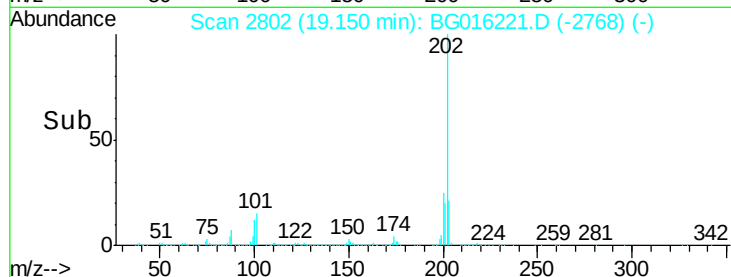
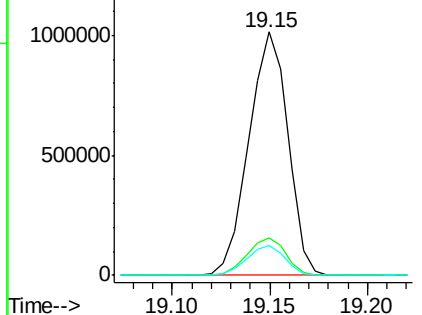
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 53.67 ng/ul

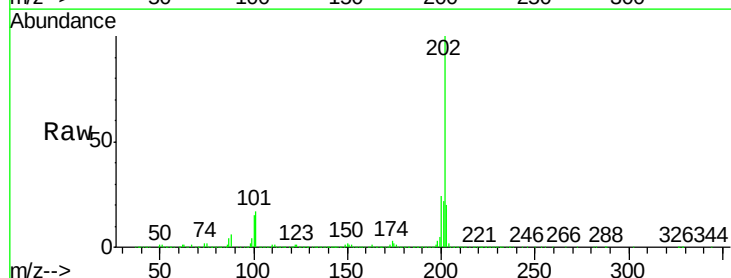
RT: 19.51 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG016221.D

Acq: 2 Apr 2015 12:36

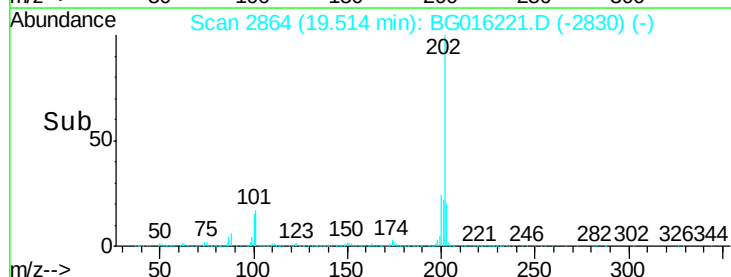
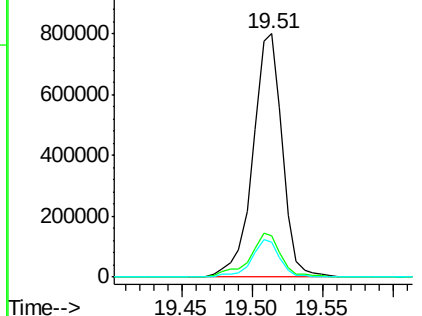
Tgt	Ion	202	Resp	1169759
Ion	Ratio	Lower	Upper	
202	100			
101	16.9	13.4	20.0	
100	14.6	11.1	16.7	

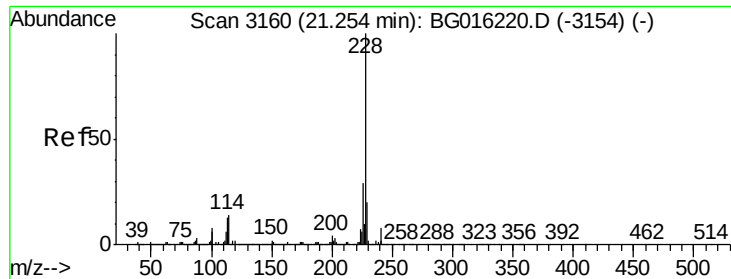


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





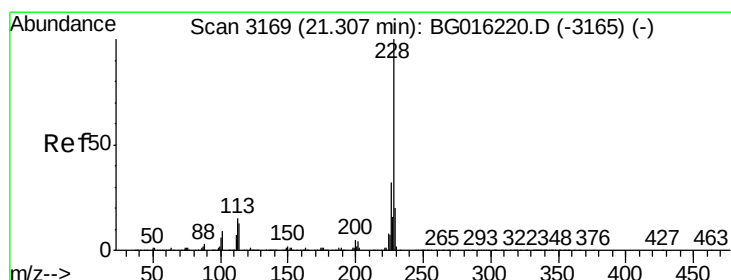
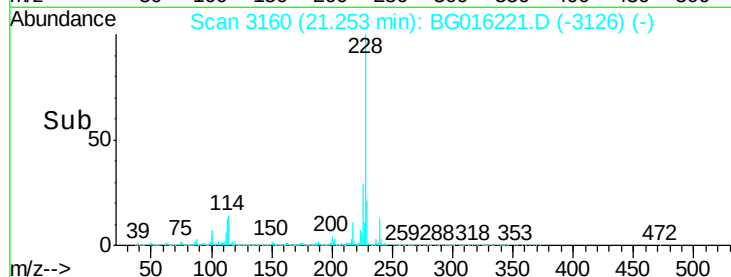
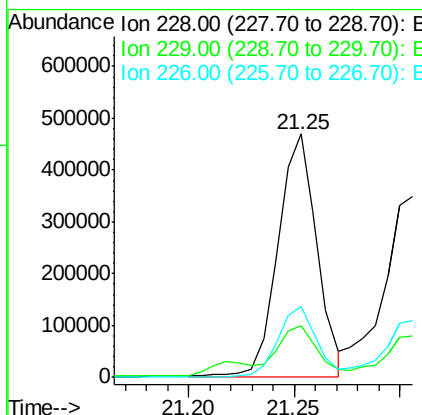
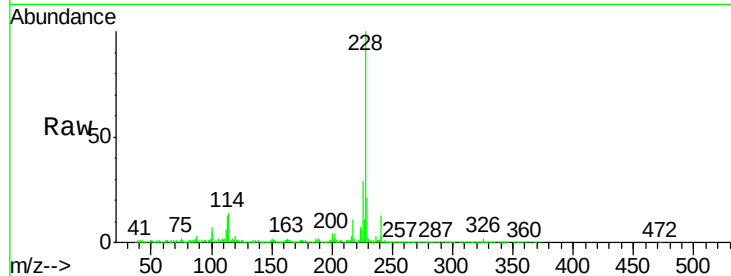
#80
Benzo(a)anthracene
Concen: 29.41 ng/ul
RT: 21.25 min Scan# 3160
Delta R.T. -0.00 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Instrument :
BNA_G
ClientSampleId :
C0AC8DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	597687		
229	21.5	16.5	24.7	
226	29.2	23.0	34.4	

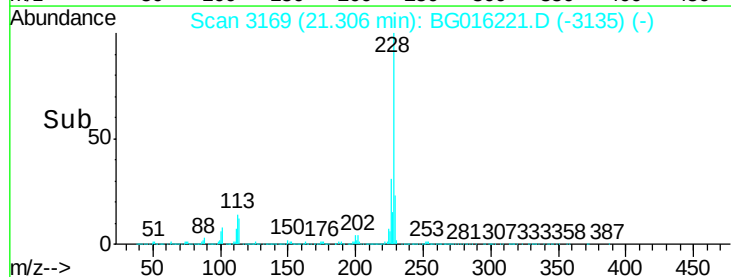
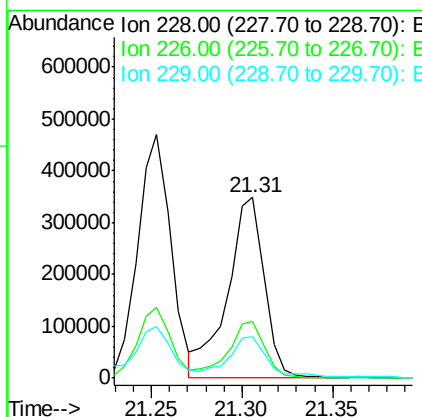
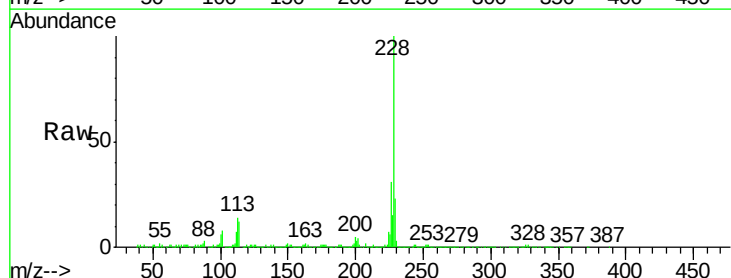
Manual Integrations
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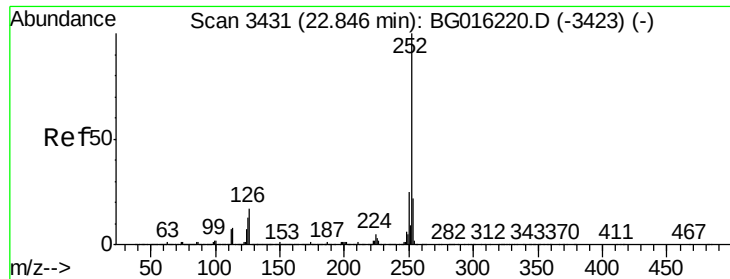
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#82
Chrysene
Concen: 25.86 ng/ul
RT: 21.31 min Scan# 3169
Delta R.T. -0.00 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	488172		
226	31.1	25.4	38.0	
229	23.0	16.5	24.7	





#85

Benzo(b)fluoranthene

Concen: 31.18 ng/ul

RT: 22.85 min Scan# 3431

Delta R.T. -0.00 min

Lab File: BG016221.D

Acq: 2 Apr 2015 12:36

Instrument :

BNA_G

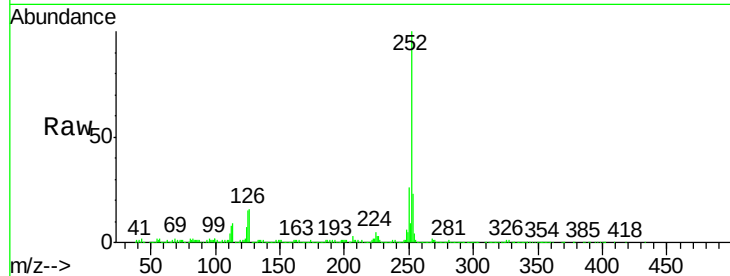
ClientSampleId :

C0AC8DL

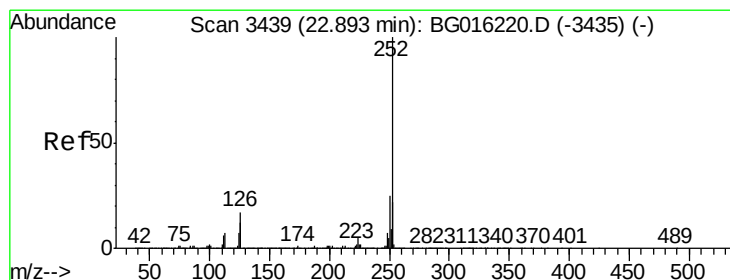
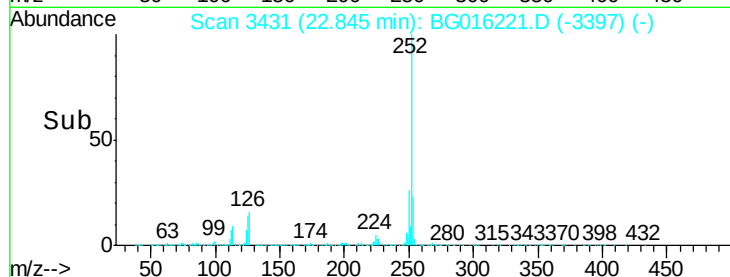
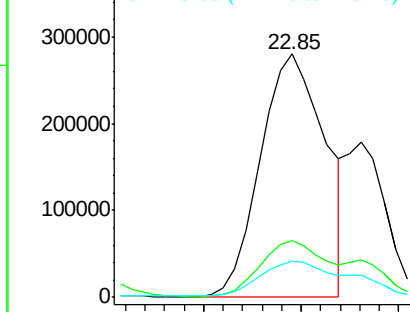
Tgt Ion:	252	Resp:	640648
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	14.6	10.6	15.8

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 12.48 ng/ul m

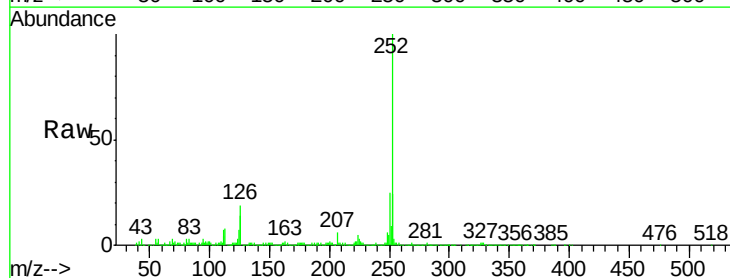
RT: 22.88 min Scan# 3437

Delta R.T. -0.01 min

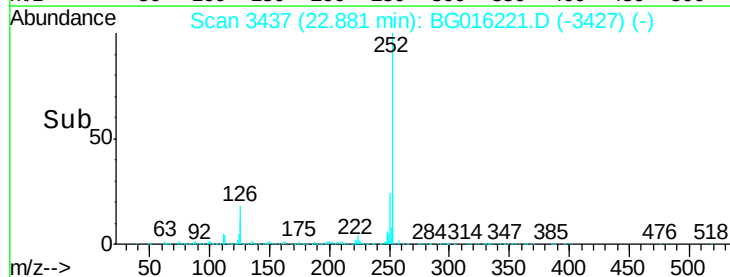
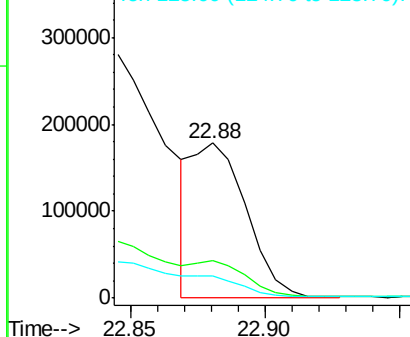
Lab File: BG016221.D

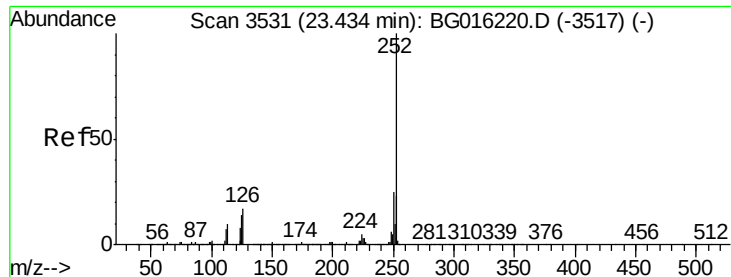
Acq: 2 Apr 2015 12:36

Tgt Ion:	252	Resp:	247104
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.6	28.0
125	14.2	11.8	17.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





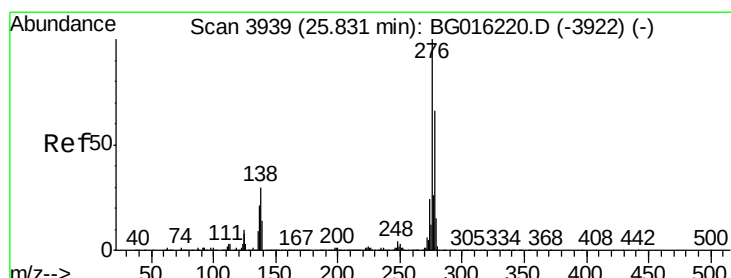
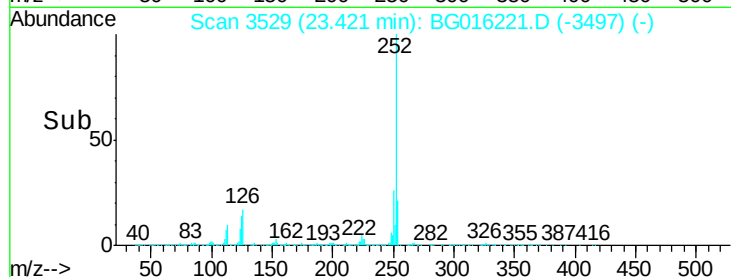
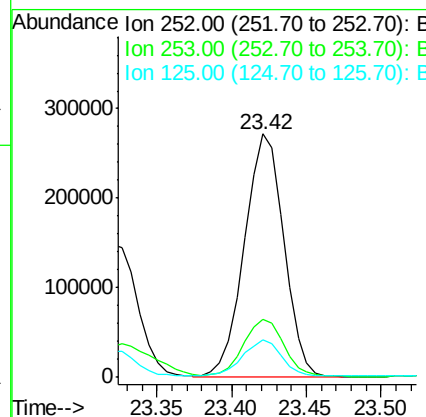
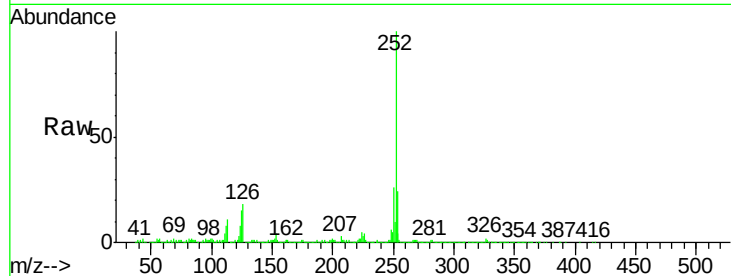
#88
Benzo(a)pyrene
Concen: 25.22 ng/ul
RT: 23.42 min Scan# 3529
Delta R.T. -0.01 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Instrument :
BNA_G
ClientSampleId :
C0AC8DL

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.1	17.7	26.5
125	15.3	12.1	18.1

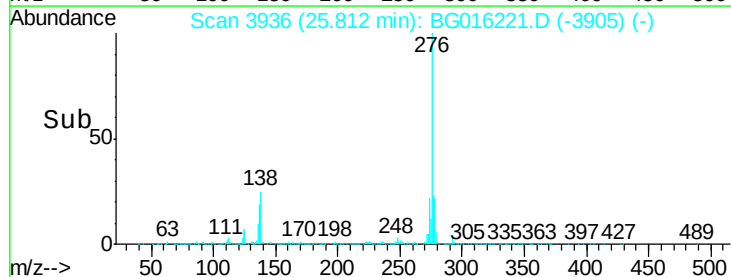
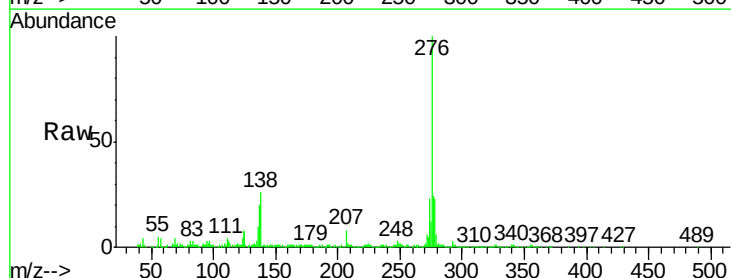
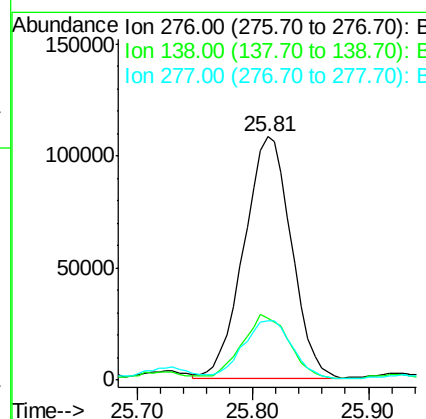
Manual Integrations
APPROVED

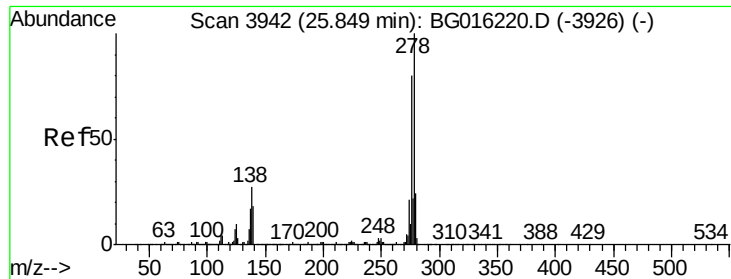
apatel
4/3/2015 2:22:03 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 13.38 ng/ul
RT: 25.81 min Scan# 3936
Delta R.T. -0.02 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.5	27.0	40.6#
277	24.4	21.8	32.6





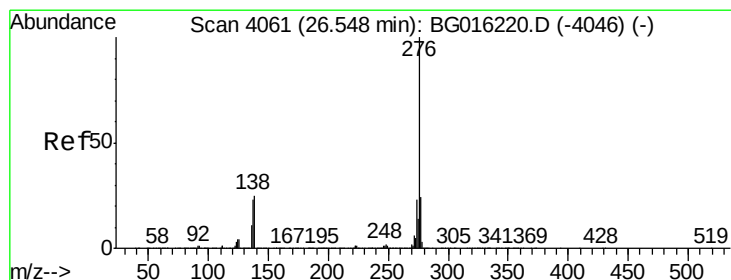
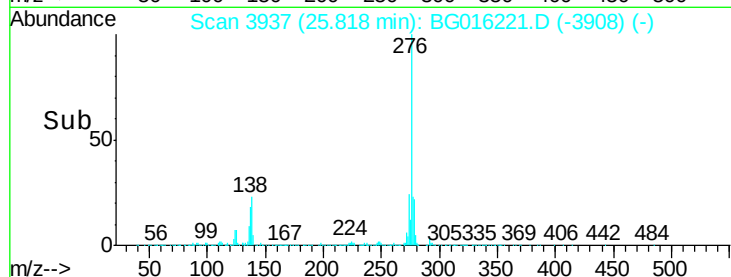
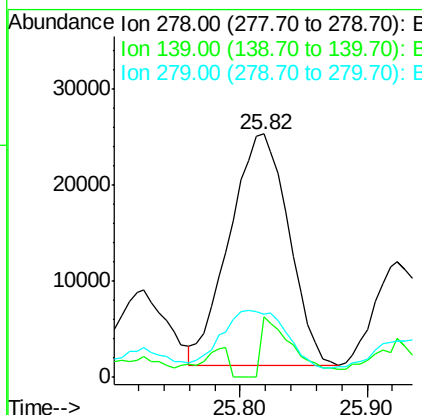
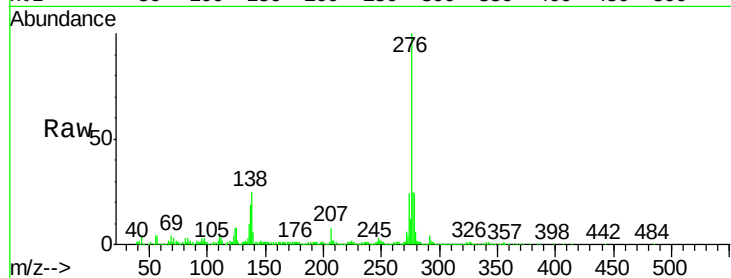
#90
Dibenzo(a,h)anthracene
Concen: 4.09 ng/ul
RT: 25.82 min Scan# 3937
Delta R.T. -0.03 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Instrument :
BNA_G
ClientSampleId :
C0AC8DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.7	16.5	24.7
279	25.8	19.3	28.9

Manual Integrations
APPROVED

apatel
4/3/2015 2:22:03 PM



#91
Benzo(g,h,i)perylene
Concen: 12.80 ng/ul
RT: 26.52 min Scan# 4056
Delta R.T. -0.03 min
Lab File: BG016221.D
Acq: 2 Apr 2015 12:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.0	31.6
277	25.1	19.2	28.8

