

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020452.D
 Acq On : 23 Dec 2015 20:46
 Operator : UM/SJ
 Sample : G4848-08DL 30X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Manual Integrations
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Sohil
 12/24/2015 5:32:05 PM

Quant Time: Dec 24 03:42:25 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	21531	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	91810	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	62649	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	145386	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	186167	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	177242	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	7.25	99	854m	0.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	546	0.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	688	0.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	661m	0.41	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	355m	0.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	333m	0.42	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.52	165	962	0.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1181	0.65	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	4643	0.92	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4657	0.79	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	4095	0.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	6350	0.95	ng/ul	0.00
79) Pyrene-d10	19.85	212	7180	0.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	7842	0.89	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.96	128	1178086	245.72	ng/ul	95
34) 2-Methylnaphthalene	12.56	142	390249	106.56	ng/ul	98
41) 1,1'-Biphenyl	13.55	154	133889	28.33	ng/ul	96
48) Acenaphthylene	14.44	152	31289	5.00	ng/ul#	93
50) Acenaphthene	14.79	153	563228	133.64	ng/ul	97
54) Dibenzofuran	15.12	168	565805	90.25	ng/ul	100
59) Fluorene	15.77	166	547439	108.74	ng/ul	98
70) Phenanthrene	17.52	178	2009704m	252.72	ng/ul	
72) Anthracene	17.60	178	193713	24.02	ng/ul	99
75) Carbazole	17.87	167	101185	14.93	ng/ul	99
77) Fluoranthene	19.52	202	1302255	140.12	ng/ul	98
80) Pyrene	19.88	202	892983	79.25	ng/ul	99
83) Benzo(a)anthracene	21.72	228	233587	21.50	ng/ul	97
85) Chrysene	21.78	228	189500	18.52	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	97370	9.13	ng/ul	94
89) Benzo(k)fluoranthene	24.02	252	43530m	4.25	ng/ul	
91) Benzo(a)pyrene	24.85	252	56207	5.56	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.72	276	17933m	1.49	ng/ul	
94) Benzo(g,h,i)perylene	29.89	276	12608m	1.28	ng/ul	

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

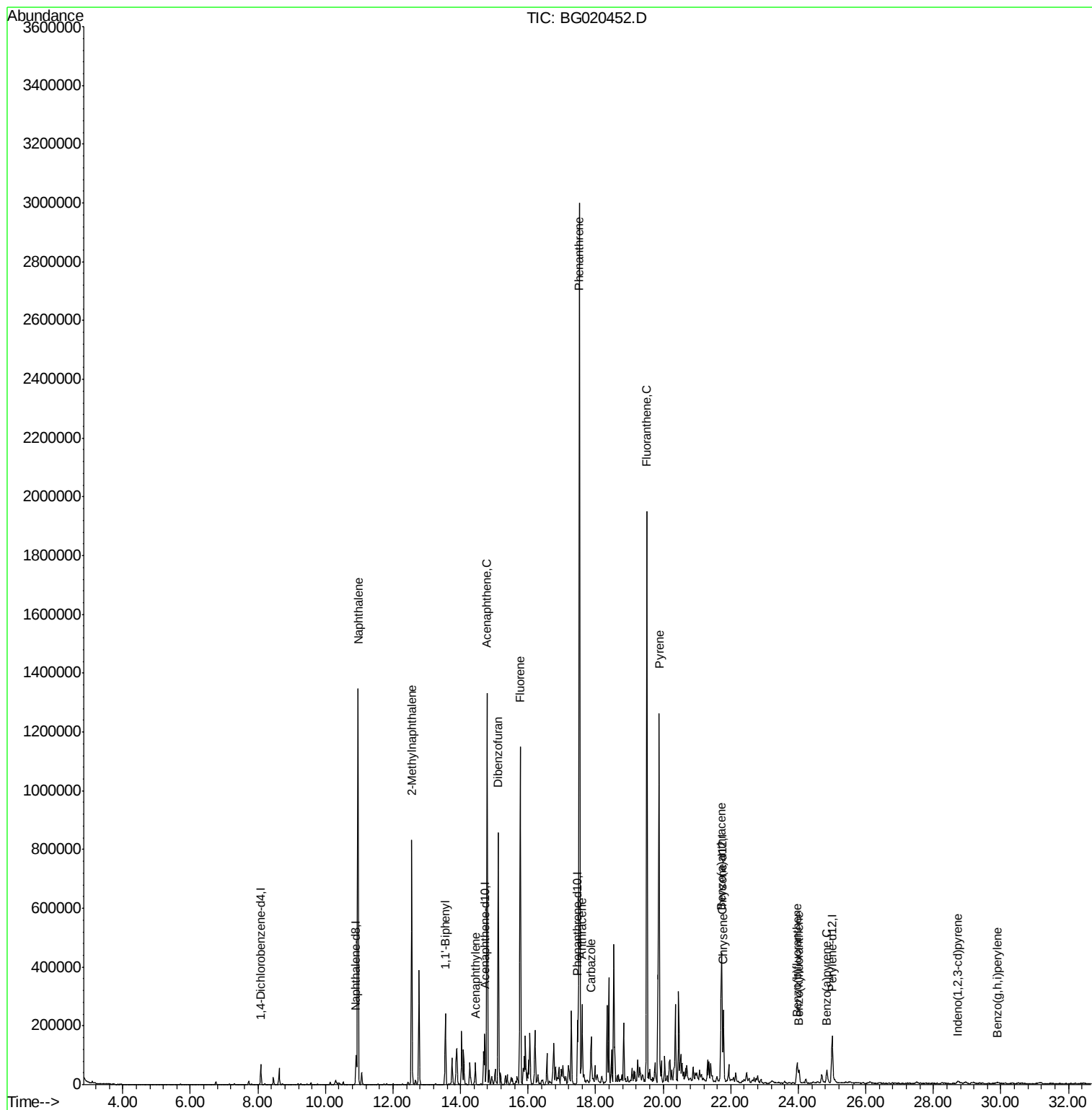
Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020452.D
Acq On : 23 Dec 2015 20:46
Operator : UM/SJ
Sample : G4848-08DL 30X
Misc :
ALS Vial : 42 Sample Multiplier: 1

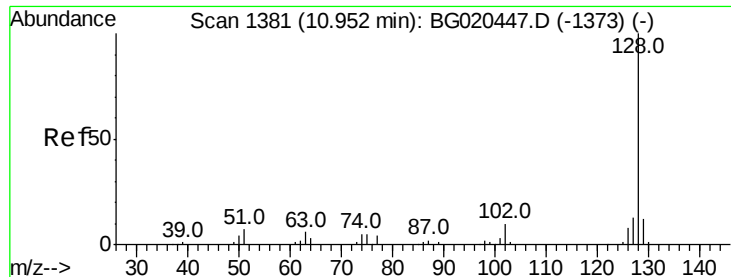
Instrument :
BNA_G
ClientSampleId :
D9N54DL

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Quant Time: Dec 24 03:42:25 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 02:43:25 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 245.72 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

ClientSampleId :

D9N54DL

Tot Ion:128 Resp: 1178086

Ion Ratio Lower Upper

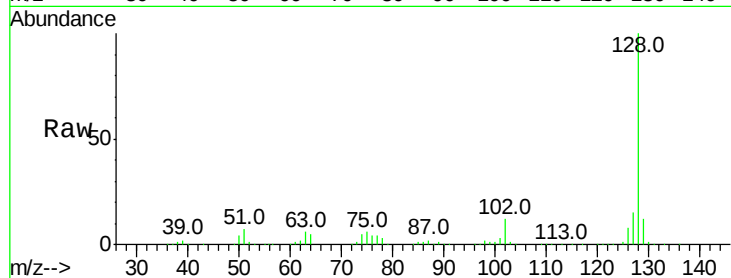
128 100

129 12.0 8.6 12.8

127 14.9 10.1 15.1

Manual Integrations
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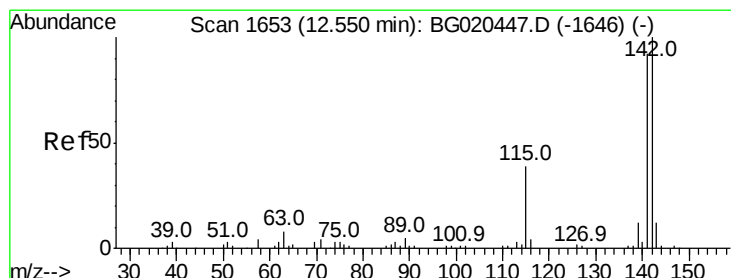
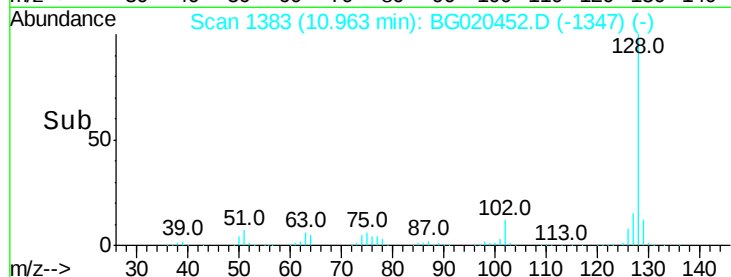
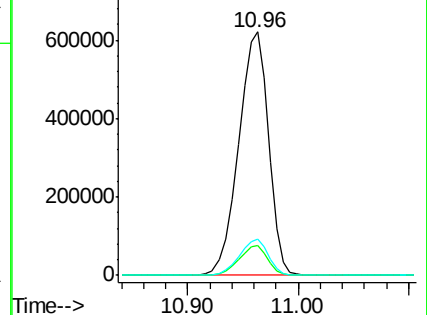
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 106.56 ng/ul

RT: 12.56 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BG020452.D

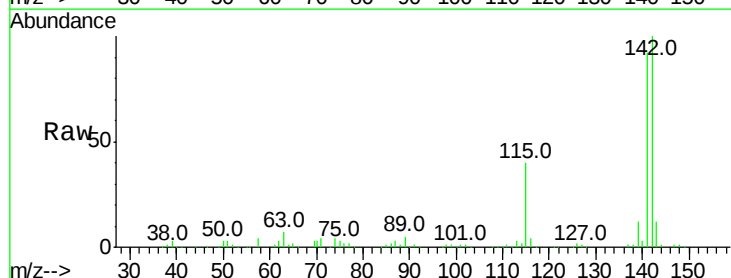
Acq: 23 Dec 2015 20:46

Tgt Ion:142 Resp: 390249

Ion Ratio Lower Upper

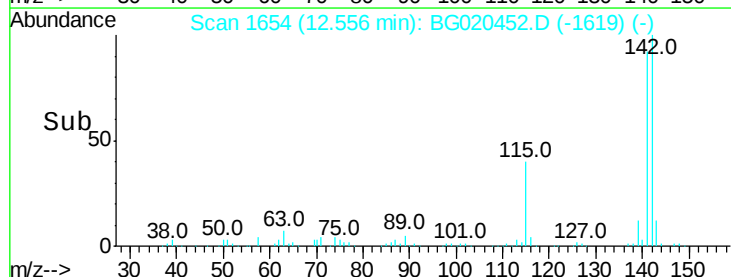
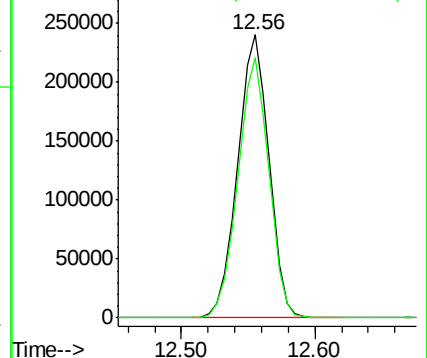
142 100

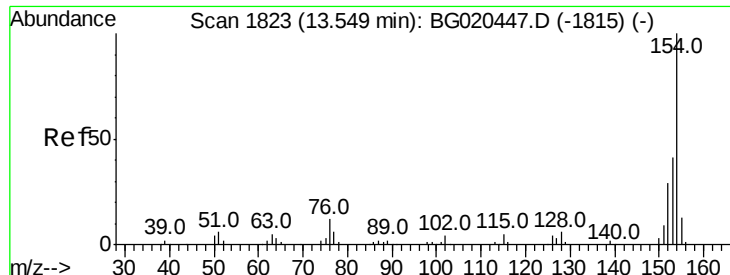
141 92.1 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





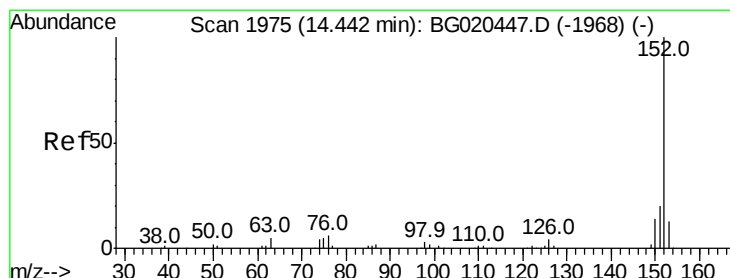
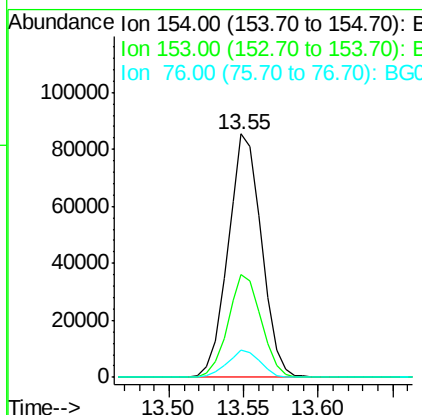
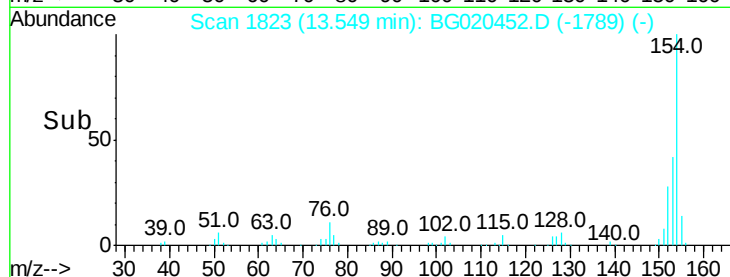
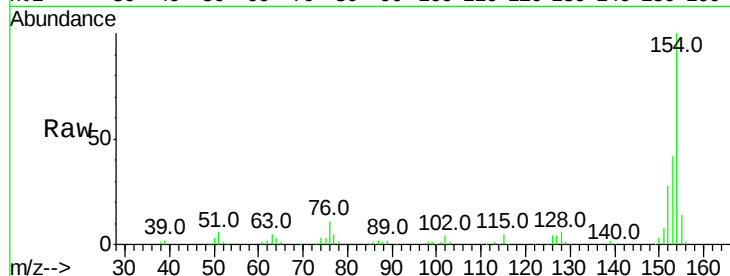
#41
 1,1'-Biphenyl
 Concen: 28.33 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.0	35.5	53.3
76	11.0	10.4	15.6

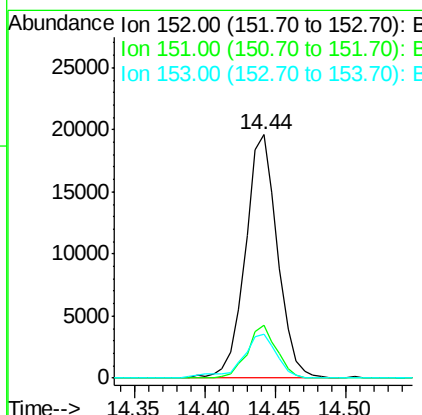
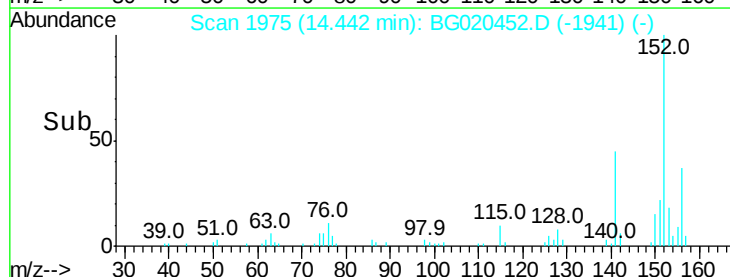
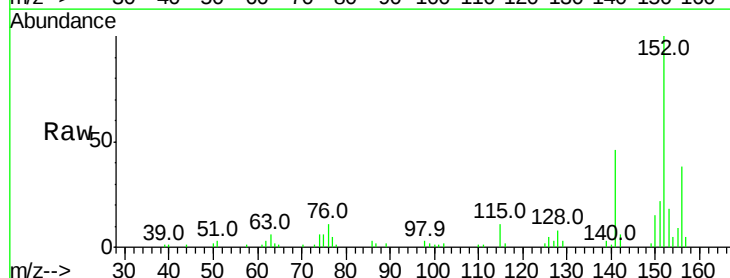
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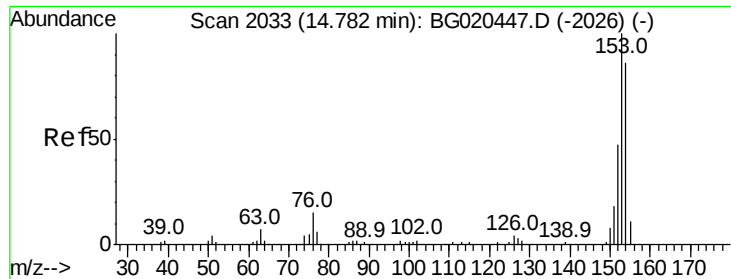
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#48
 Acenaphthylene
 Concen: 5.00 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	16.4	24.6
153	17.9	10.4	15.6#





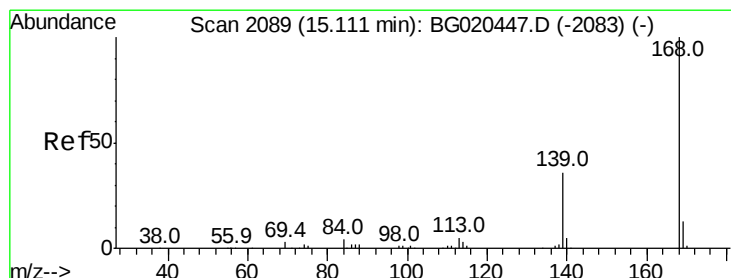
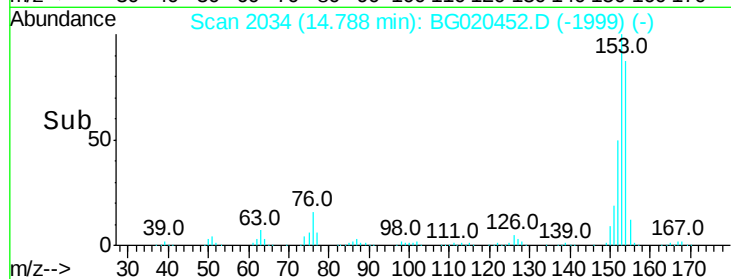
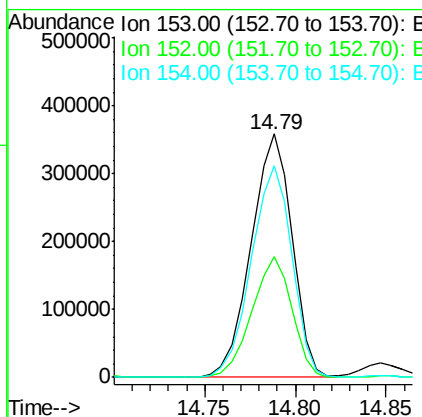
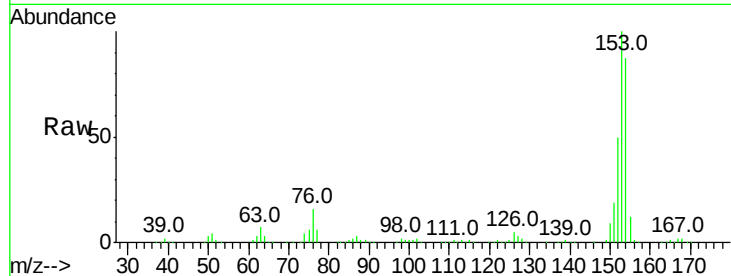
#50
Acenaphthene
Concen: 133.64 ng/ul
RT: 14.79 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Instrument :
BNA_G
ClientSampleId :
D9N54DL

Tot Ion	Ratio	Lower	Upper
153	100		
152	49.6	37.6	56.4
154	86.7	67.9	101.9

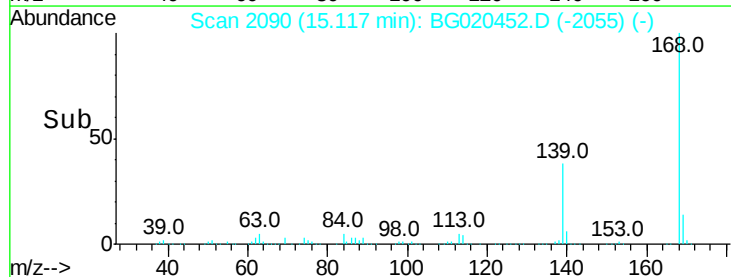
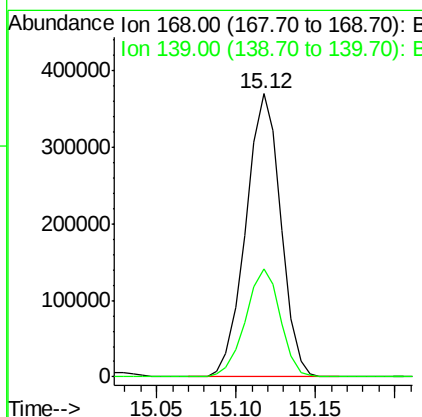
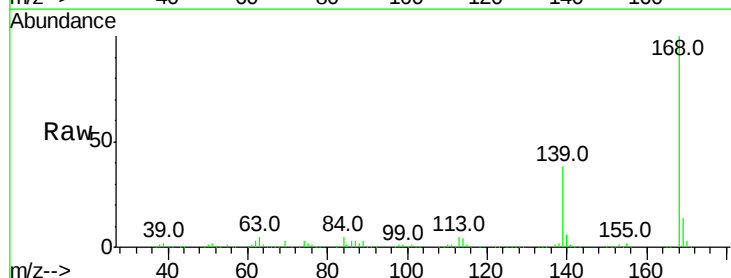
Manual Integrations
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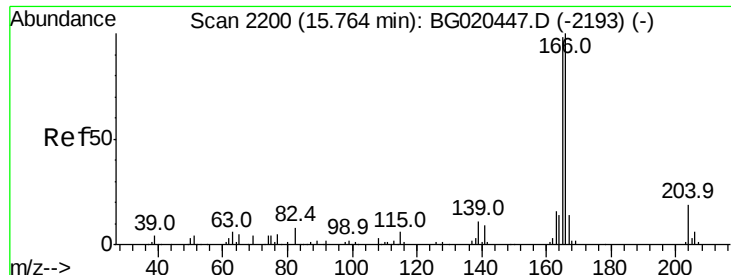
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#54
Dibenzofuran
Concen: 90.25 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.5	45.7





#59

Fluorene

Concen: 108.74 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

ClientSampleId :

D9N54DL

Tot Ion:166 Resp: 547439

Ion Ratio Lower Upper

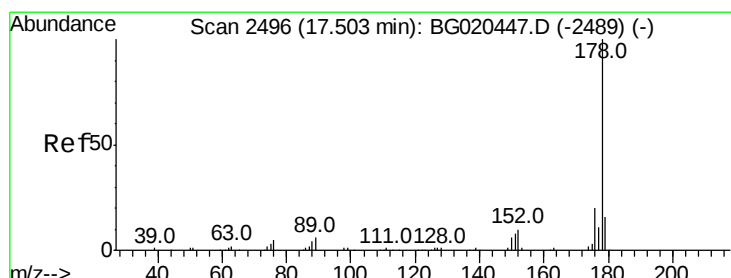
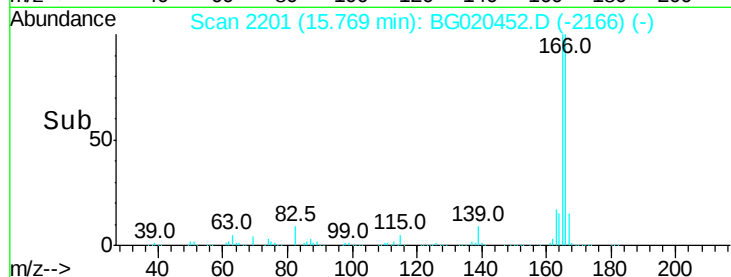
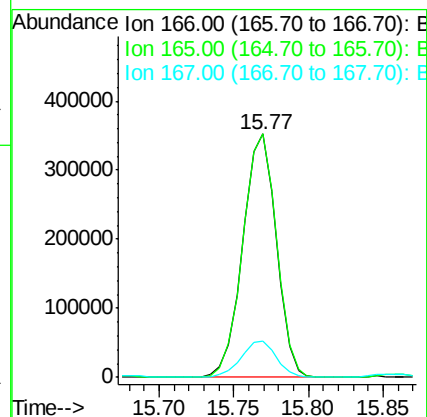
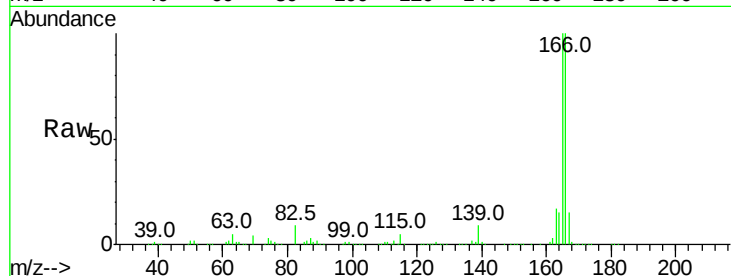
166 100

165 100.0 81.4 122.0

167 15.0 11.2 16.8

Manual Integrations
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#70

Phenanthrene

Concen: 252.72 ng/ul m

RT: 17.52 min Scan# 2499

Delta R.T. 0.02 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

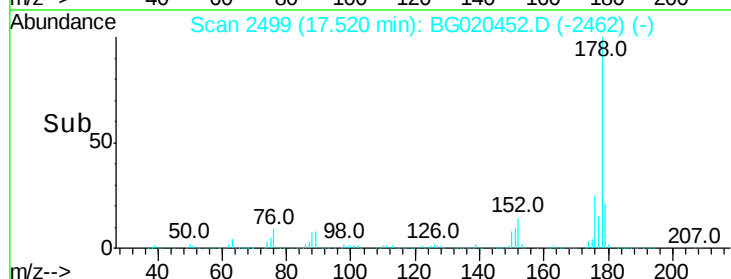
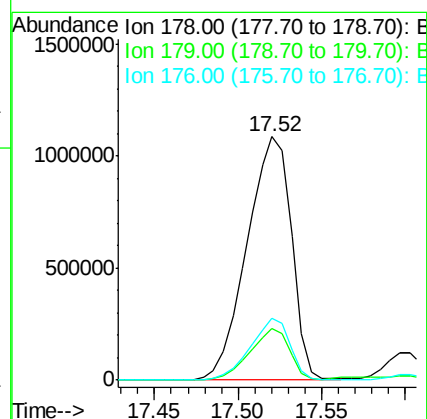
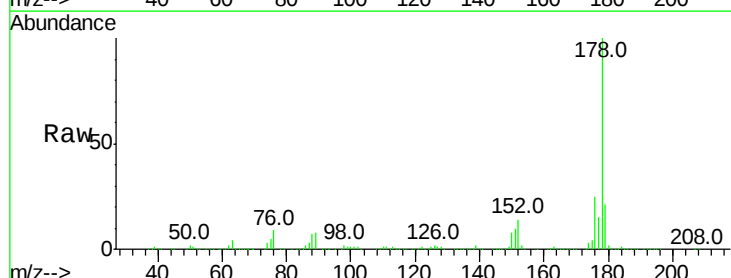
Tgt Ion:178 Resp: 2009704

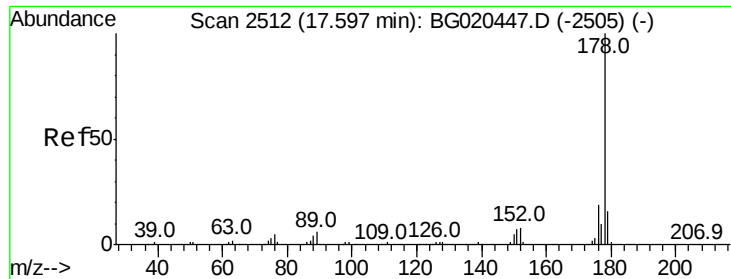
Ion Ratio Lower Upper

178 100

179 21.1 12.9 19.3#

176 25.3 15.3 22.9#





#72

Anthracene

Concen: 24.02 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

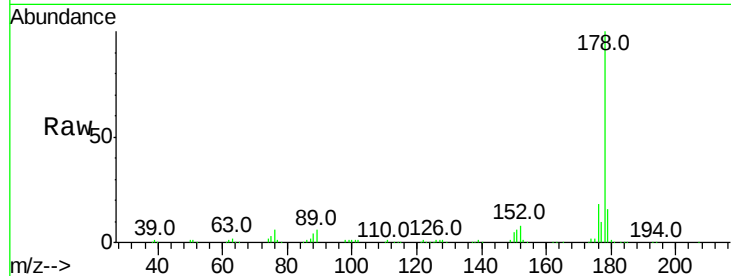
ClientSampleID :

D9N54DL

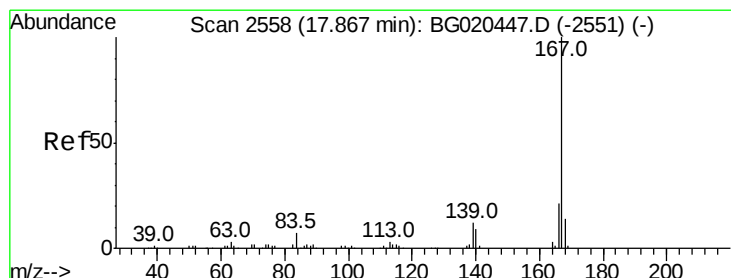
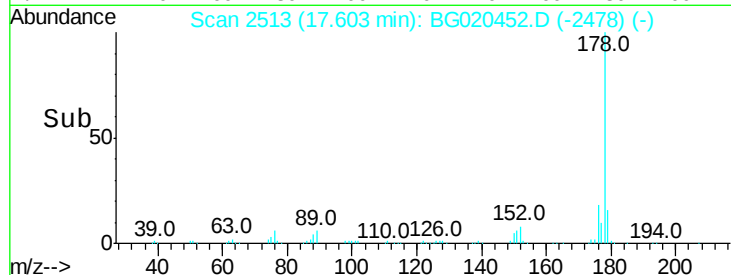
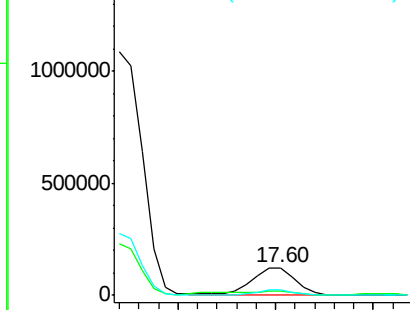
Tot Ion:	178	Resp:	193713
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.3	18.5
176	17.9	14.3	21.5

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 14.93 ng/ul

RT: 17.87 min Scan# 2558

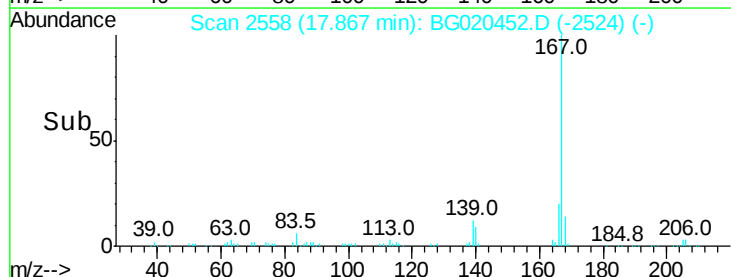
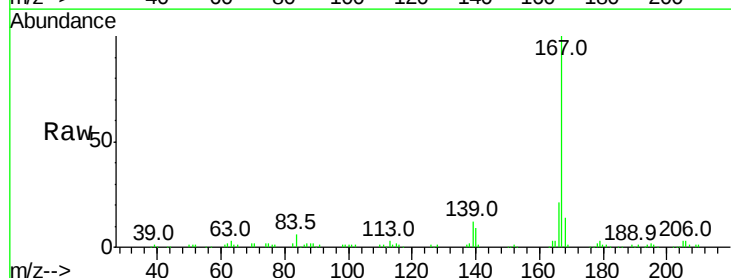
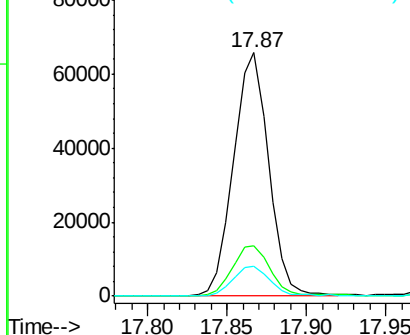
Delta R.T. -0.00 min

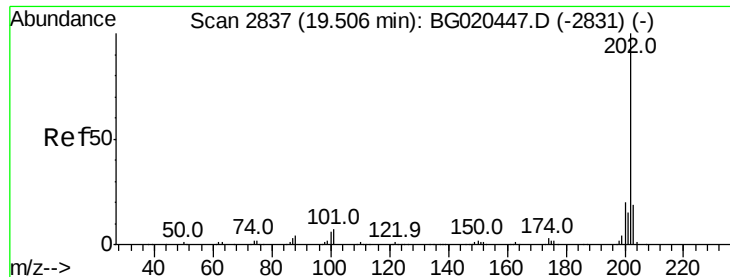
Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Tgt Ion:	167	Resp:	101185
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.0	25.6
139	12.4	10.1	15.1

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





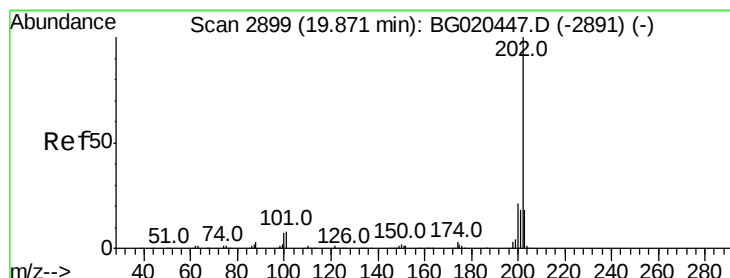
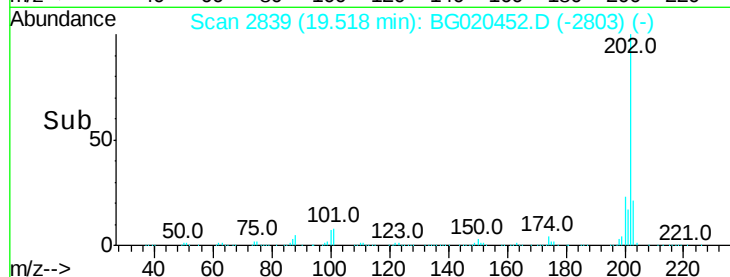
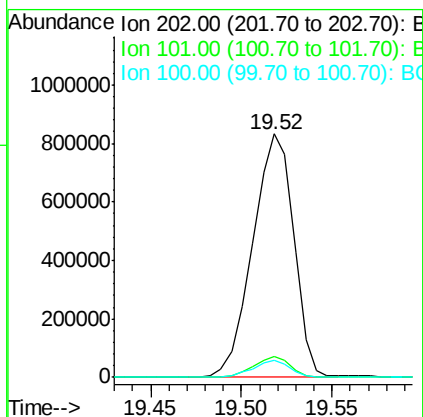
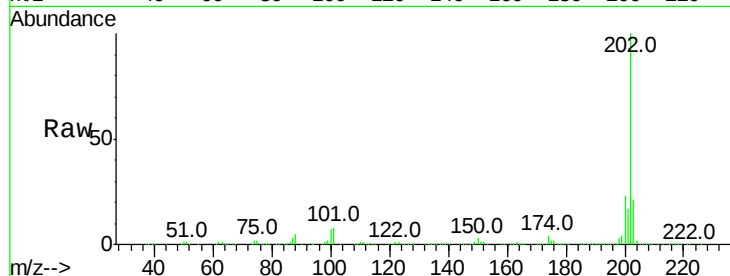
#77
Fluoranthene
Concen: 140.12 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Instrument :
BNA_G
ClientSampleId :
D9N54DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.2	9.4
100	6.8	5.1	7.7

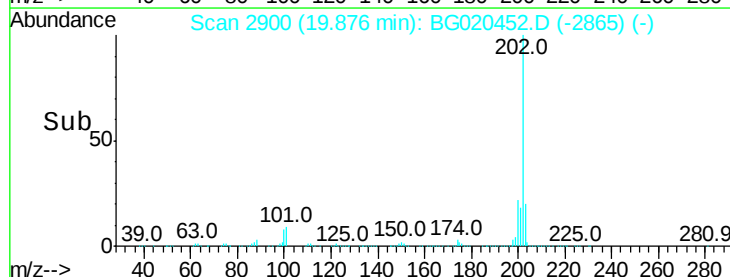
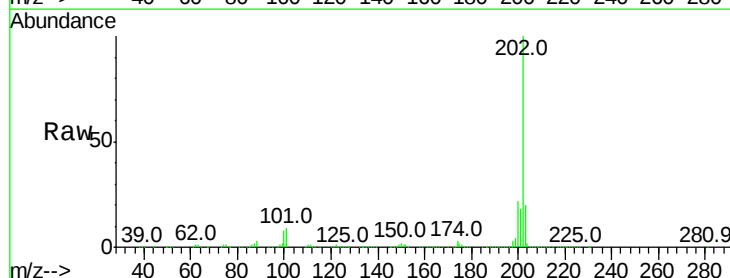
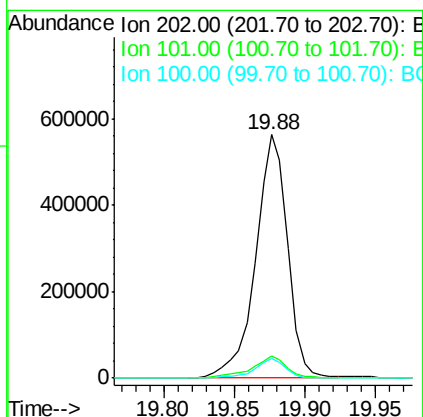
Manual Integrations
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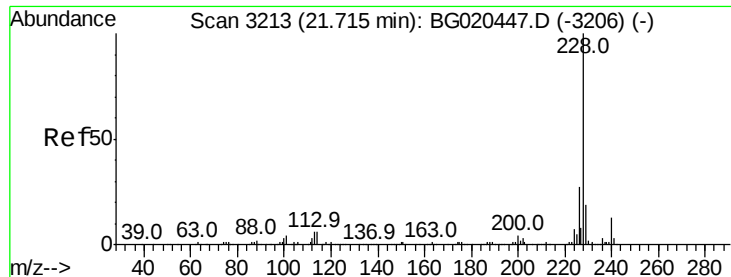
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#80
Pyrene
Concen: 79.25 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
100	7.9	6.4	9.6





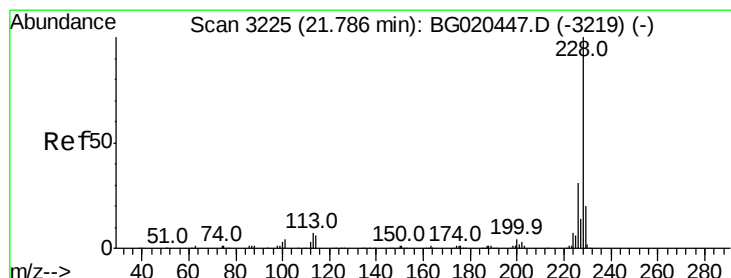
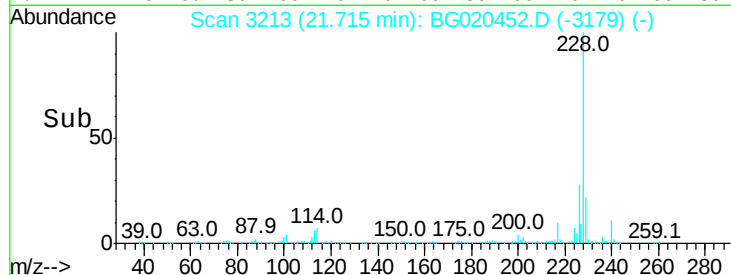
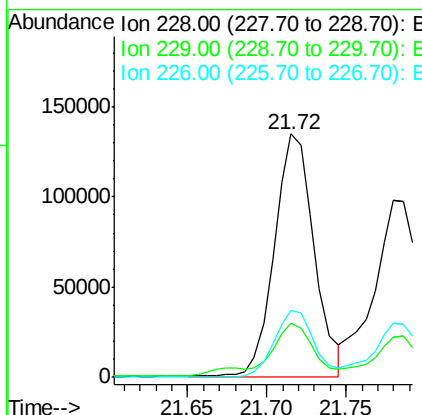
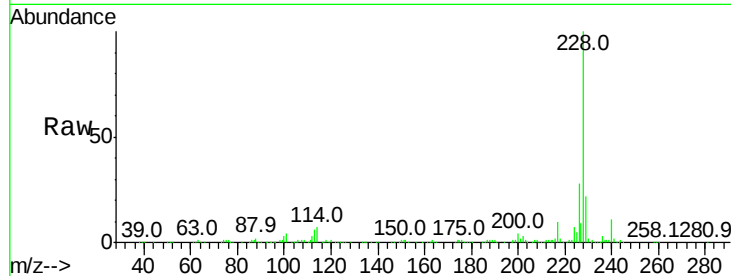
#83
Benzo(a)anthracene
Concen: 21.50 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Instrument :
BNA_G
ClientSampleId :
D9N54DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.8	23.8
226	27.7	21.8	32.6

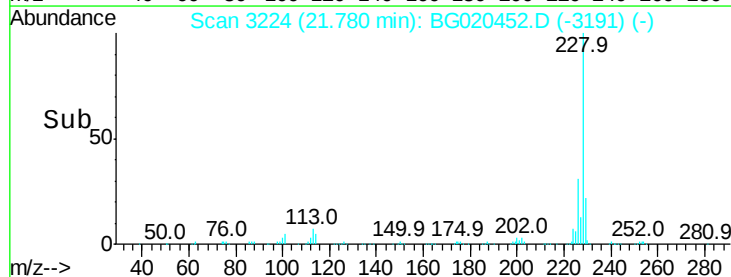
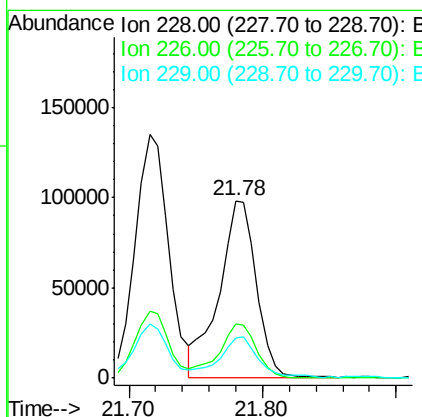
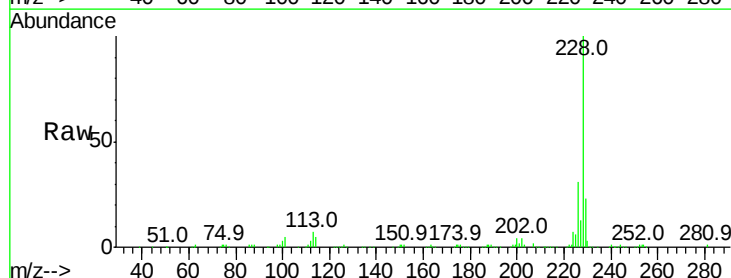
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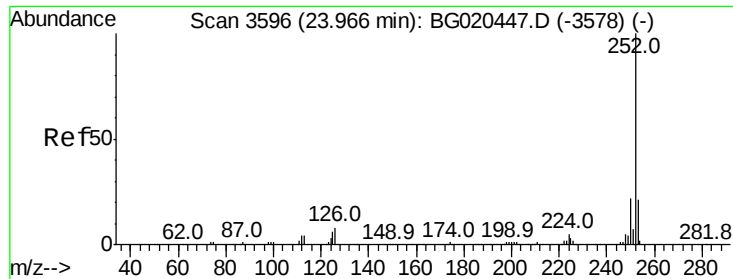
Sohil
12/24/2015 5:32:05 PM



#85
Chrysene
Concen: 18.52 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	22.8	15.6	23.4





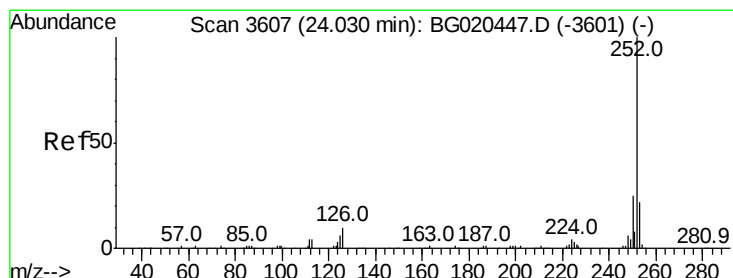
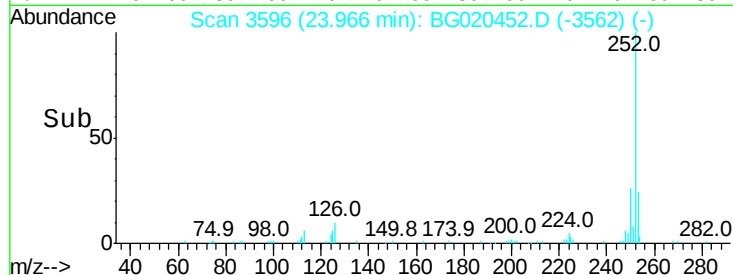
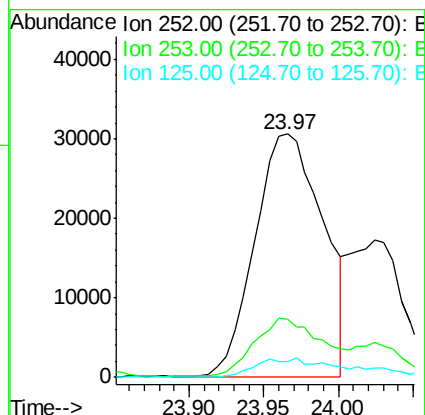
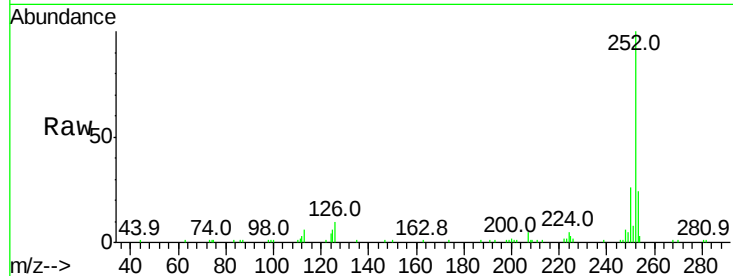
#88
Benzo(b)fluoranthene
Concen: 9.13 ng/ul
RT: 23.97 min Scan# 3596
Delta R.T. -0.00 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Instrument :
BNA_G
ClientSampleId :
D9N54DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.7	25.1
125	6.2	6.2	9.2

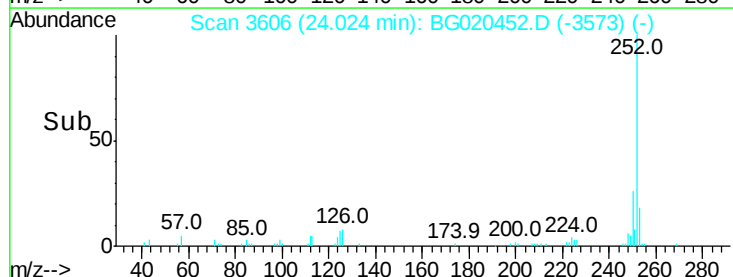
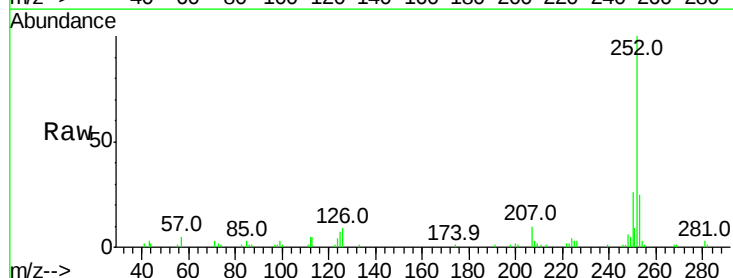
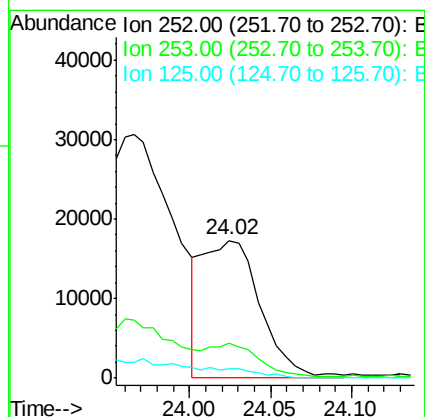
Manual Integrations
APPROVED

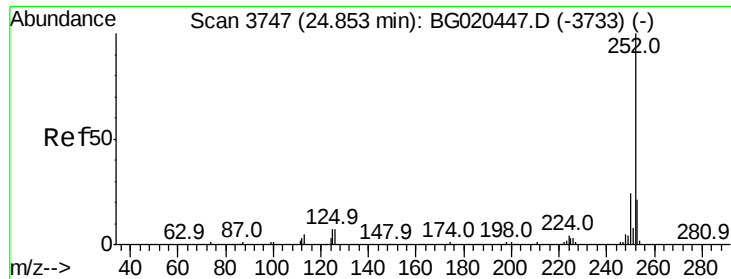
Sohil
12/24/2015 5:32:05 PM



#89
Benzo(k)fluoranthene
Concen: 4.25 ng/ul m
RT: 24.02 min Scan# 3606
Delta R.T. -0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	6.9	5.8	8.6





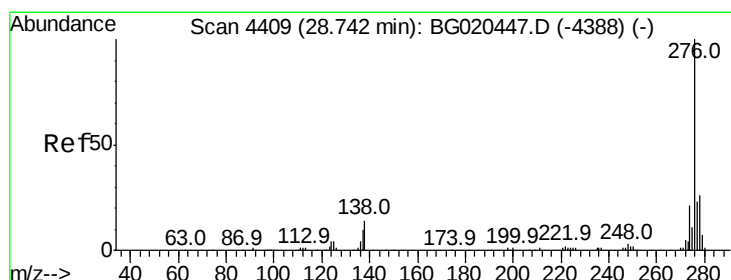
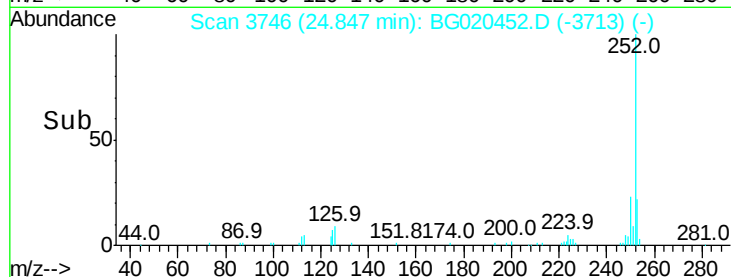
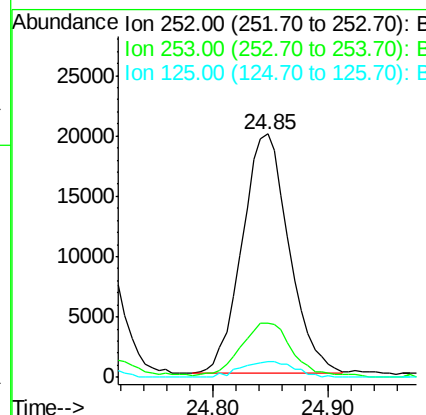
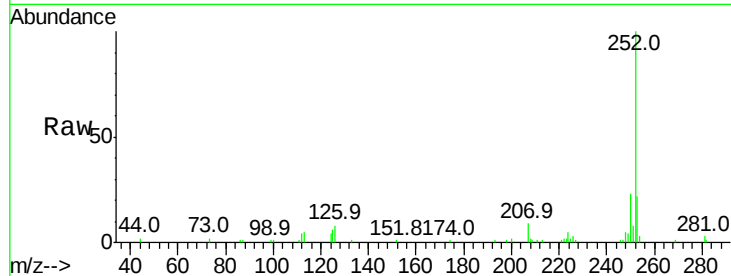
#91
Benzo(a)pyrene
Concen: 5.56 ng/ul
RT: 24.85 min Scan# 3746
Delta R.T. -0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Instrument :
BNA_G
ClientSampleId :
D9N54DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4
125	6.3	6.2	9.4

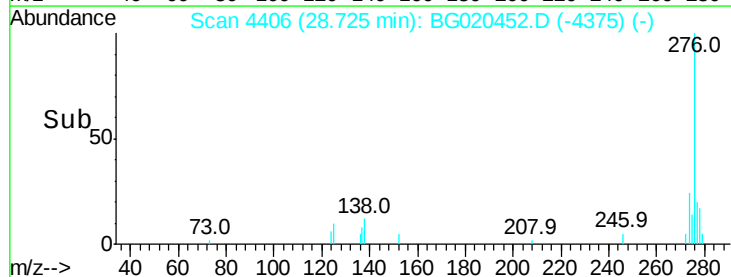
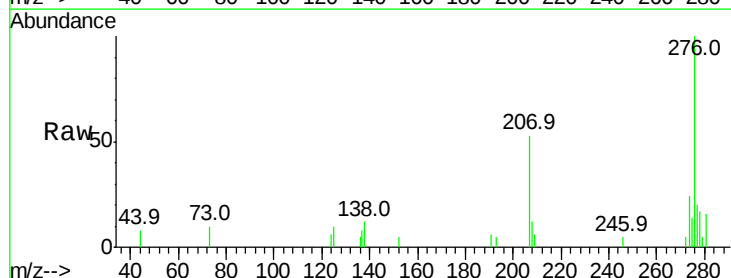
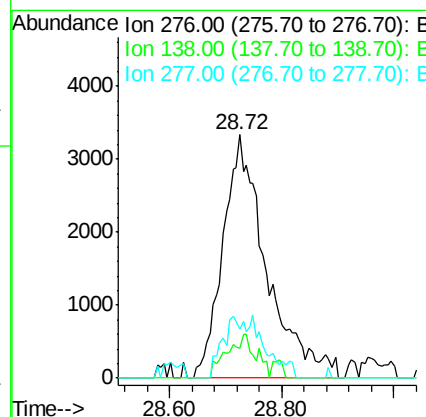
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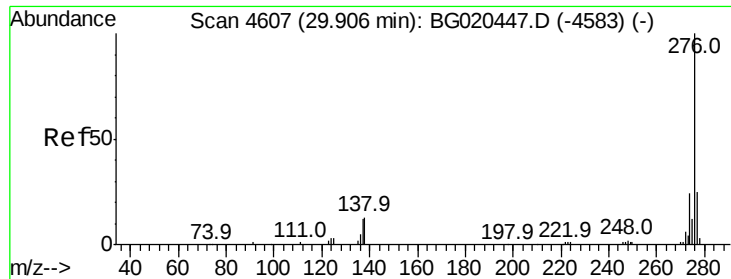
Sohil
12/24/2015 5:32:05 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 1.49 ng/ul m
RT: 28.72 min Scan# 4406
Delta R.T. -0.02 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.0	11.4	17.0
277	20.0	17.4	26.0





#94

Benzo(a,h,i)perylene

Concen: 1.28 ng/ul m

RT: 29.89 min Scan# 4604

Delta R.T. -0.02 min

Lab File: BG020452.D

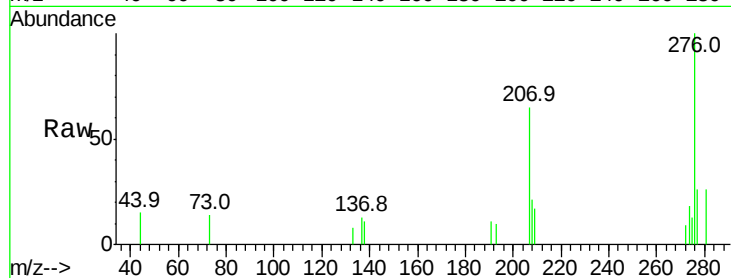
Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

ClientSampleId :

D9N54DL



Tot Ion:	276	Resp:	12608
Ion Ratio	Lower	Upper	
276	100		
138	11.5	10.8	16.2
277	26.1	19.9	29.9

Manual Integrations
APPROVED

Sohil
12/24/2015 5:32:05 PM

