

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020239.D
 Acq On : 17 Dec 2015 2:47
 Operator : UM/SJ
 Sample : G4767-19
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:28 PM

Quant Time: Dec 17 05:59:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 03:53:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	21395	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	99750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	75740	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.49	188	158735	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	188873	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	179681	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1783	4.60	ng/uL	0.00
5) Phenol-d5	7.24	99	58805	31.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	34871	30.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	45372	33.07	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	53164	32.95	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	26212	33.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	30685	35.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	57728	32.94	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	70040	35.58	ng/ul	0.00
44) Dimethylphthalate-d6	14.14	166	182532	29.79	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	207412	29.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	28489	25.93	ng/ul	0.00
58) Fluorene-d10	15.72	176	154582	27.82	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	59	0.06	ng/ul	0.00
71) Anthracene-d10	17.60	188	224835	30.74	ng/ul	0.03
79) Pyrene-d10	19.86	212	262353	29.80	ng/ul	0.01
90) Benzo(a)pyrene-d12	24.79	264	287005	32.02	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.27	94	2640	1.31	ng/ul#	82
28) Naphthalene	10.99	128	3628796	696.62	ng/ul#	77
34) 2-Methylnaphthalene	12.58	142	1476421	371.06	ng/ul	99
35) 1-Methylnaphthalene	12.79	142	773999	202.34	ng/ul#	95
41) 1,1'-Biphenyl	13.57	154	671689	117.55	ng/ul	98
45) Dimethylphthalate	14.18	163	82467	13.18	ng/ul	98
48) Acenaphthylene	14.45	152	232631	30.72	ng/ul#	97
50) Acenaphthene	14.82	153	2442641	479.42	ng/ul#	88
54) Dibenzofuran	15.15	168	2463953	325.09	ng/ul#	78
59) Fluorene	15.80	166	2347173	385.64	ng/ul#	97
70) Phenanthrene	17.57	178	6209776m	715.20	ng/ul	
72) Anthracene	17.63	178	1207037	137.06	ng/ul#	92
75) Carbazole	17.89	167	907140	122.59	ng/ul	95
77) Fluoranthene	19.55	202	4103204m	404.36	ng/ul	
80) Pyrene	19.91	202	3263064	285.45	ng/ul#	79
83) Benzo(a)anthracene	21.73	228	1035270	93.94	ng/ul	94
85) Chrysene	21.80	228	869306	83.75	ng/ul	94
88) Benzo(b)fluoranthene	23.98	252	506167	46.80	ng/ul	98
89) Benzo(k)fluoranthene	24.04	252	171042m	16.48	ng/ul	
91) Benzo(a)pyrene	24.86	252	289992	28.29	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.73	276	86947	7.12	ng/ul	94
93) Dibenzo(a,h)anthracene	28.78	278	25334m	2.50	ng/ul	
94) Benzo(g,h,i)perylene	29.89	276	69555	6.95	ng/ul	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

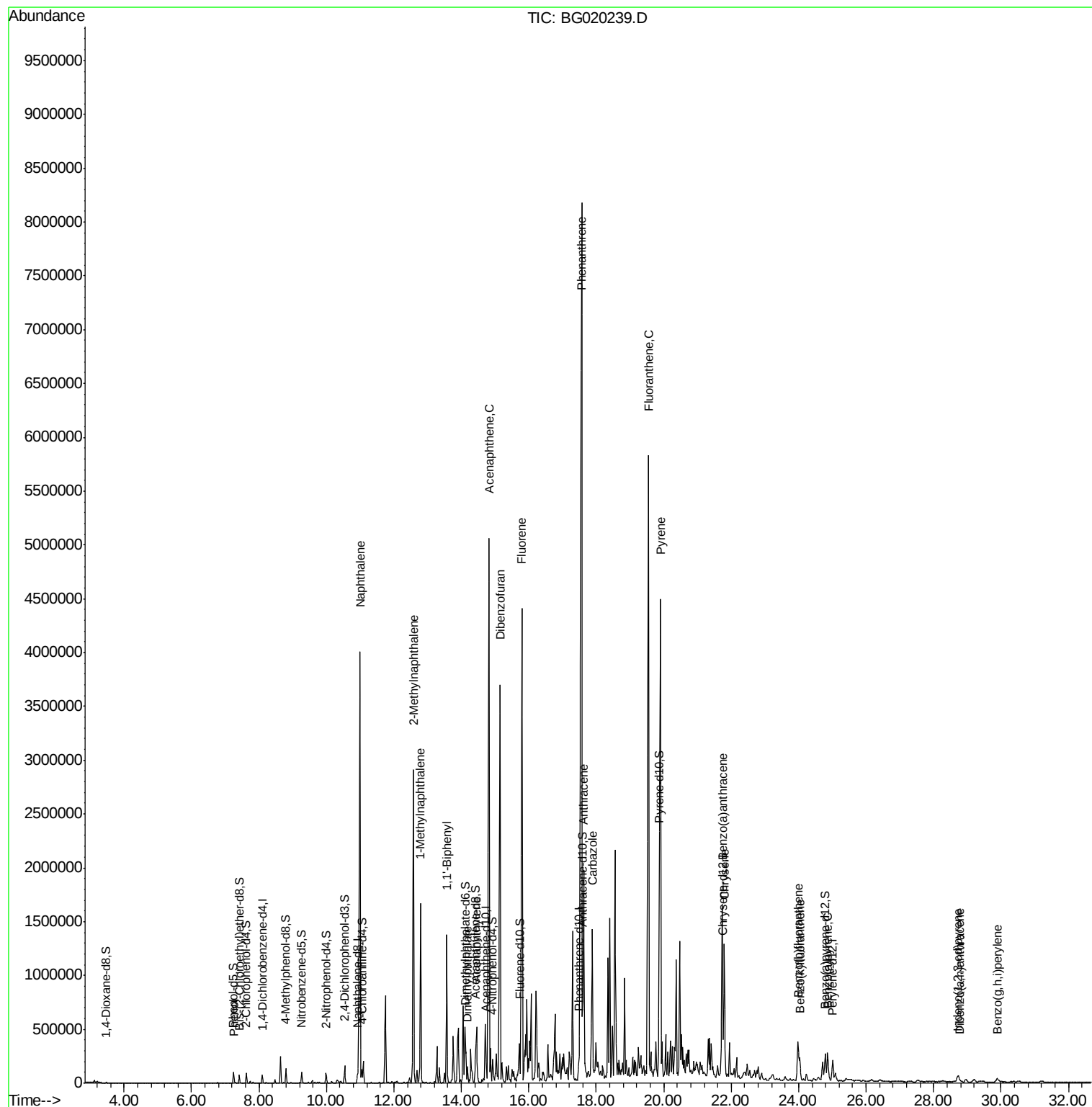
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020239.D
Acq On : 17 Dec 2015 2:47
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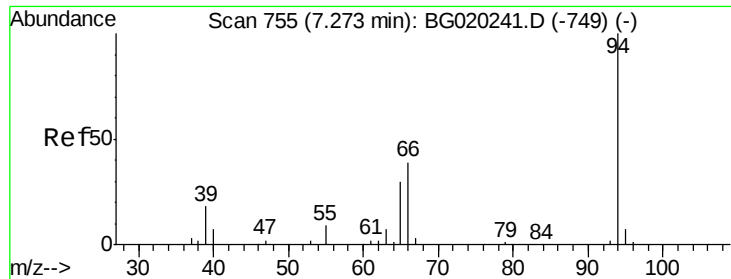
Instrument :
BNA_G
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Manual Integrations
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 03:53:00 2015
Response via : Initial Calibration





#6

Phenol

Concen: 1.31 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020239.D

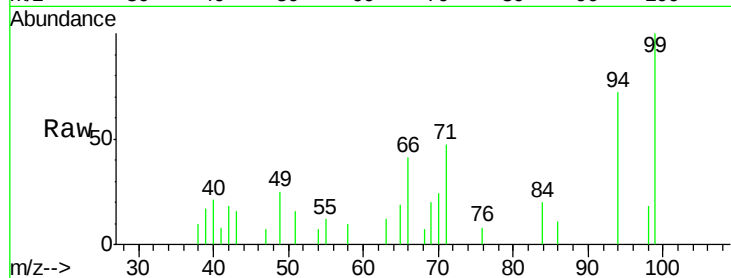
Acq: 17 Dec 2015 2:47

Instrument :

BNA_G

ClientSampled :

D9N41



Tgt Ion: 94 Resp: 2640

Ion Ratio Lower Upper

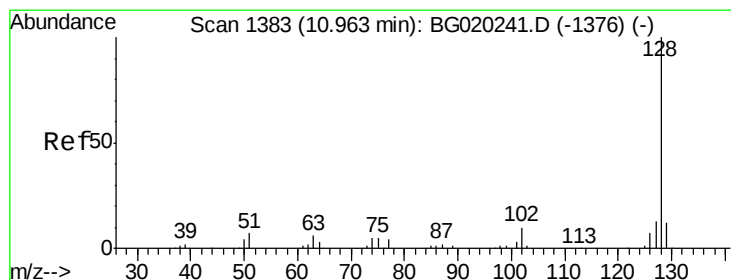
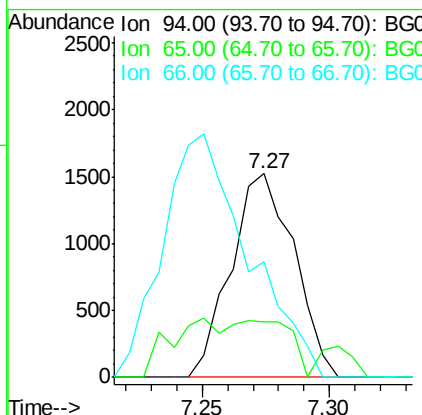
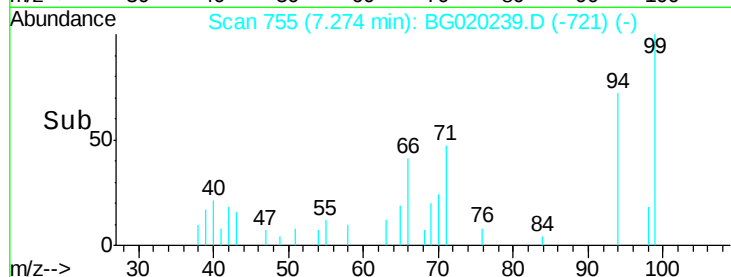
94 100

65 27.0 26.3 39.5

66 56.8 33.3 49.9#

Manual Integrations
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#28

Naphthalene

Concen: 696.62 ng/ul

RT: 10.99 min Scan# 1388

Delta R.T. 0.02 min

Lab File: BG020239.D

Acq: 17 Dec 2015 2:47

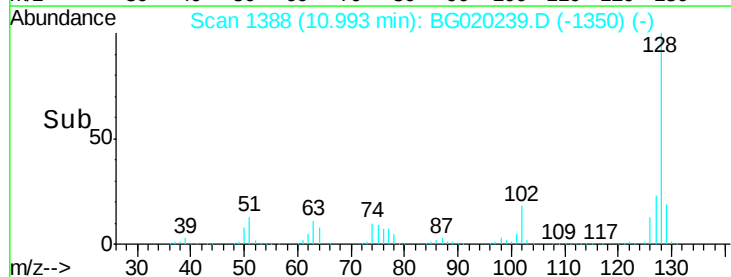
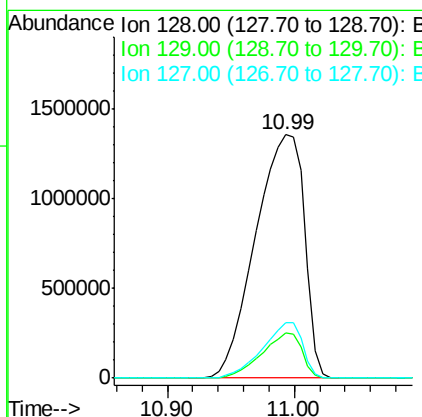
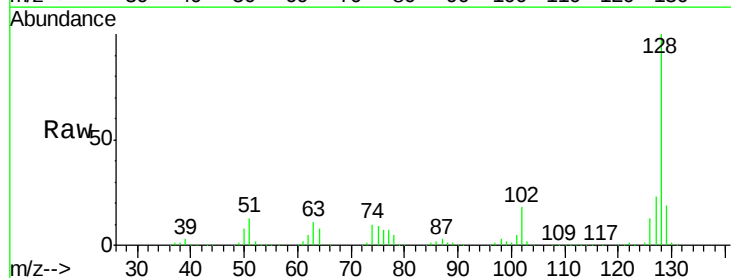
Tgt Ion:128 Resp: 3628796

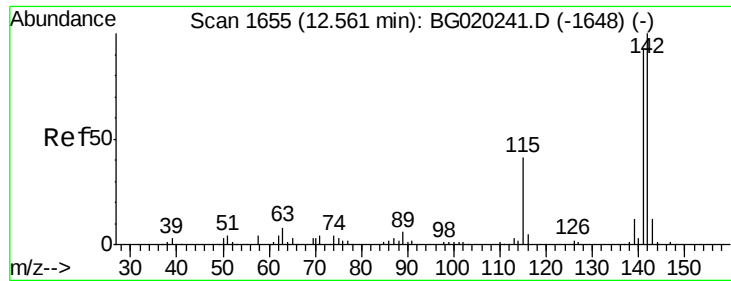
Ion Ratio Lower Upper

128 100

129 18.7 8.6 12.8#

127 22.6 10.1 15.1#





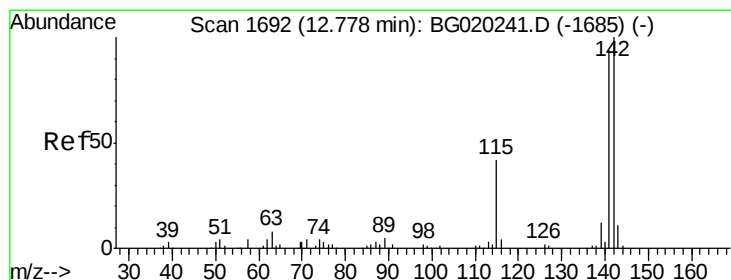
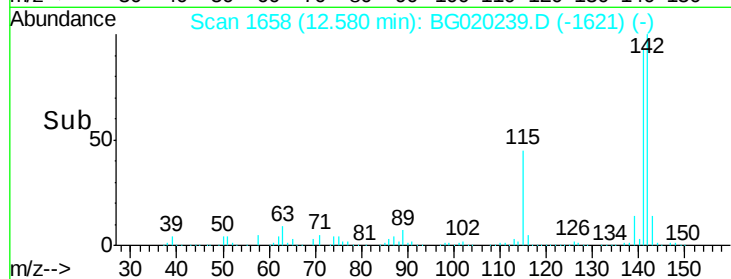
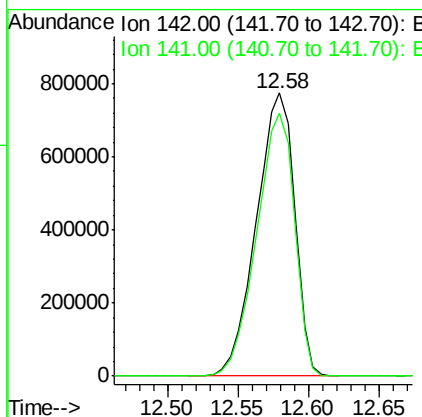
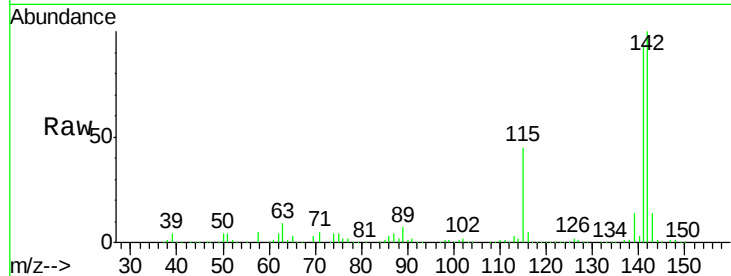
#34
2-Methylnaphthalene
Concen: 371.06 ng/ul
RT: 12.58 min Scan# 1658
Delta R.T. 0.02 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Instrument :
BNA_G
ClientSampleId :
D9N41

Tgt Ion:142 Resp: 1476421
Ion Ratio Lower Upper
142 100
141 92.8 74.9 112.3

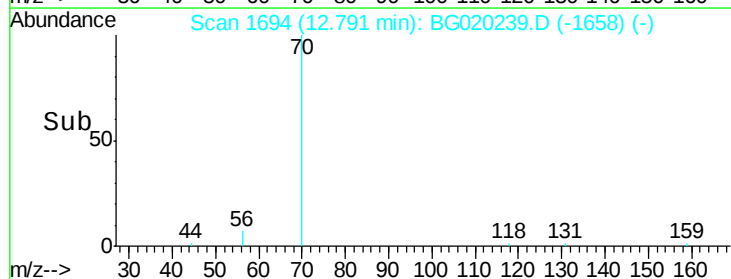
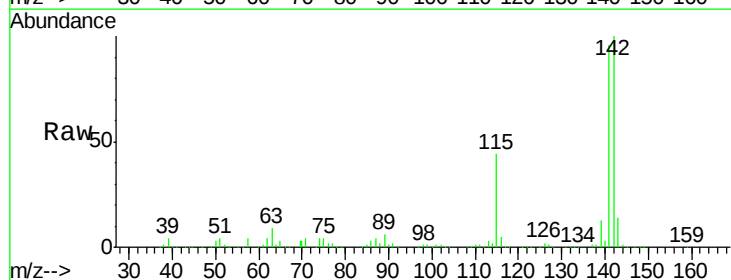
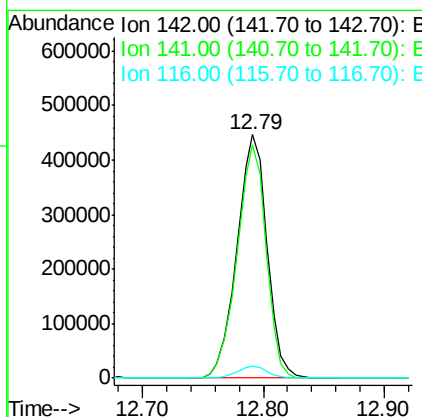
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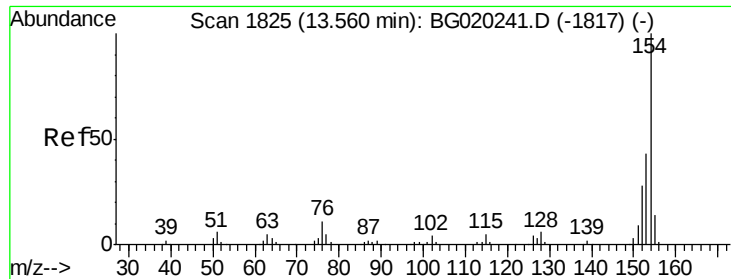
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#35
1-Methylnaphthalene
Concen: 202.34 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.01 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Tgt Ion:142 Resp: 773999
Ion Ratio Lower Upper
142 100
141 95.8 73.0 109.6
116 4.7 3.0 4.6#





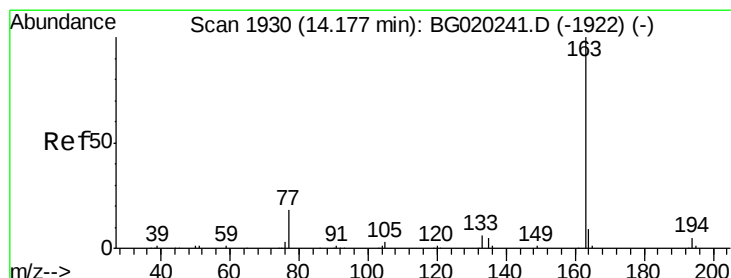
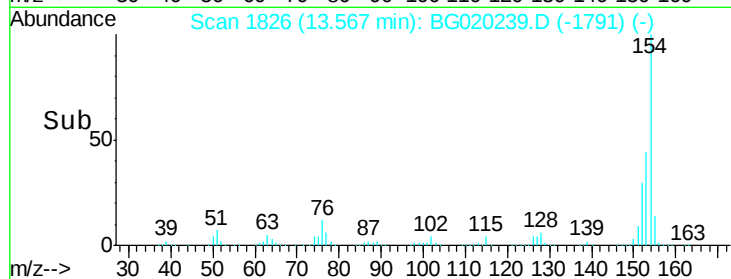
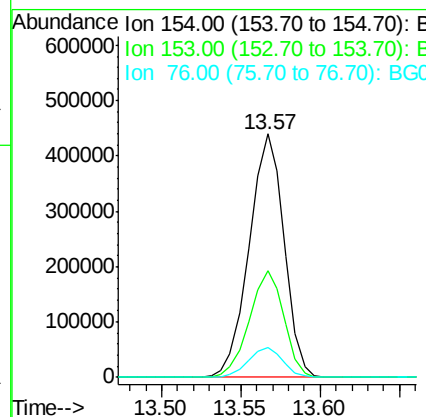
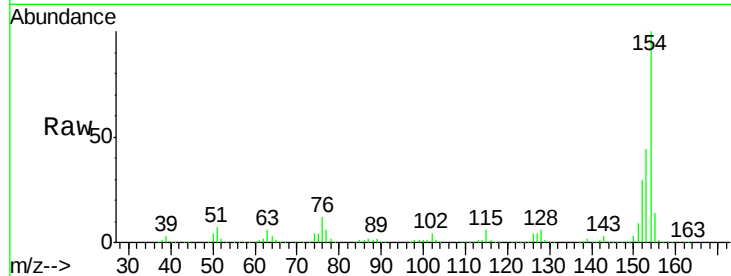
#41
1,1'-Biphenyl
Concen: 117.55 ng/ul
RT: 13.57 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Instrument :
BNA_G
ClientSampled :
D9N41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.6	35.5	53.3
76	12.0	10.4	15.6

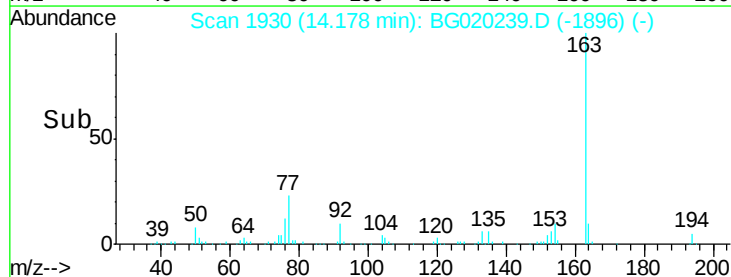
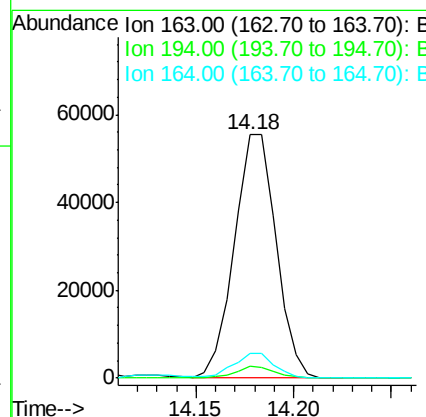
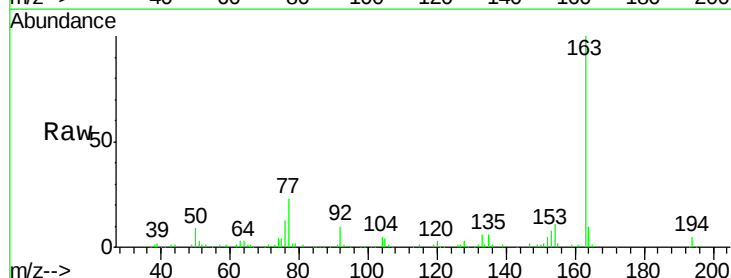
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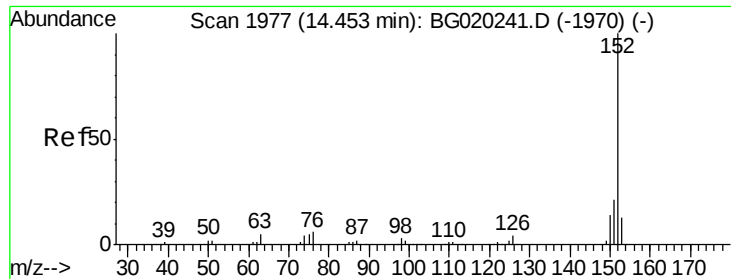
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#45
Dimethylphthalate
Concen: 13.18 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	10.3	7.7	11.5





#48

Acenaphthylene

Concen: 30.72 ng/ul

RT: 14.45 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020239.D

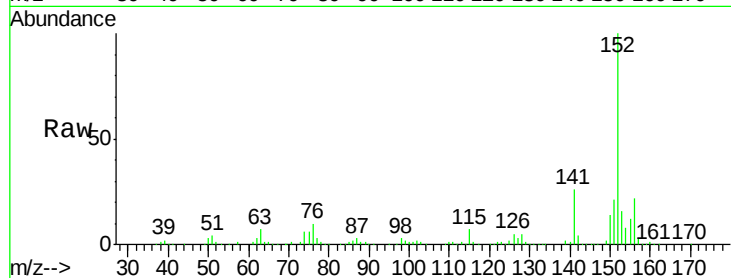
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Instrument :

BNA_G

ClientSampleId :

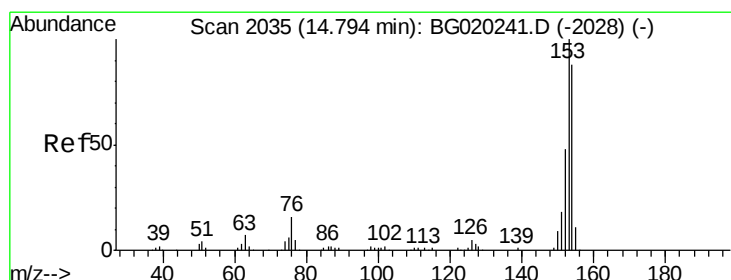
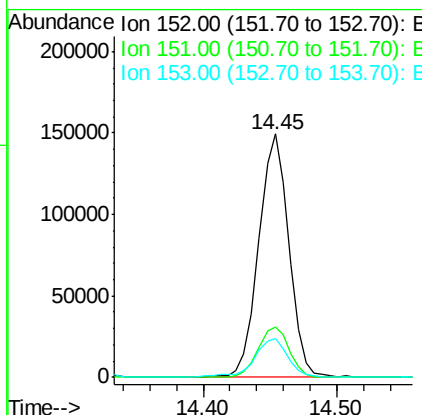
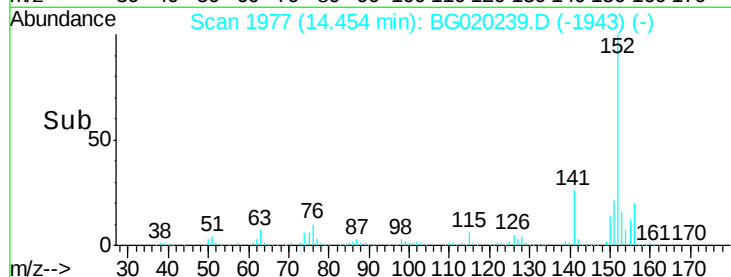
D9N41



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	232631		
151	20.6	16.4	24.6	
153	15.9	10.4	15.6	

Manual Integrations
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#50

Acenaphthene

Concen: 479.42 ng/ul

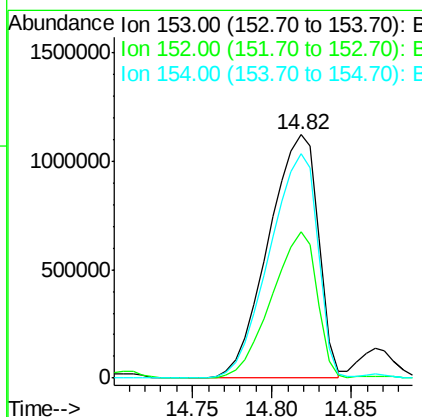
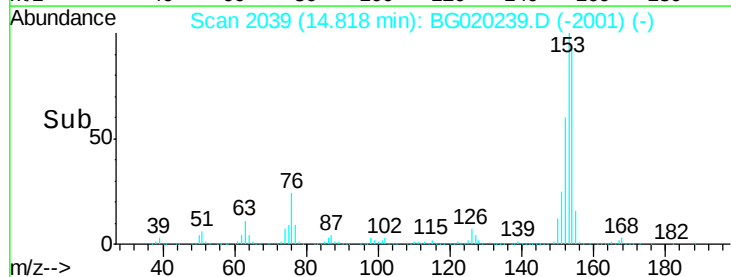
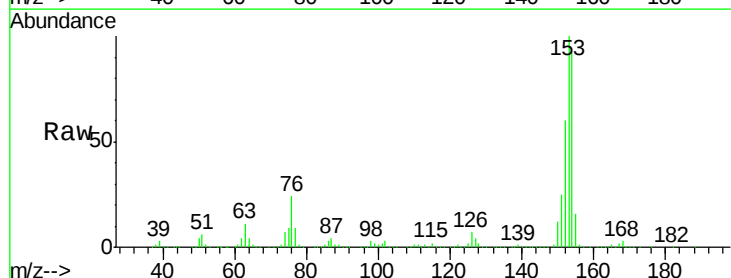
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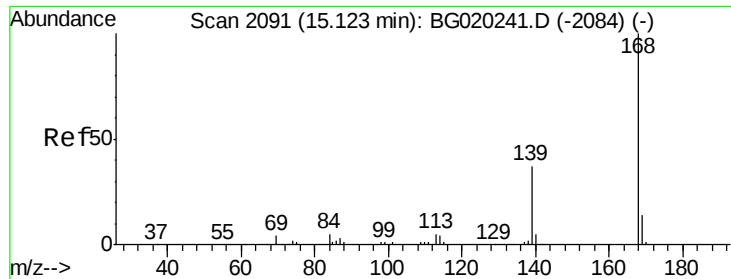
Delta R.T. 0.02 min

Lab File: BG020239.D

Acq: 17 Dec 2015 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	2442641		
152	60.3	37.6	56.4	
154	92.4	67.9	101.9	





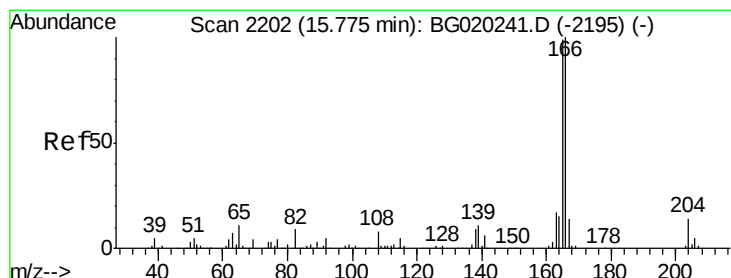
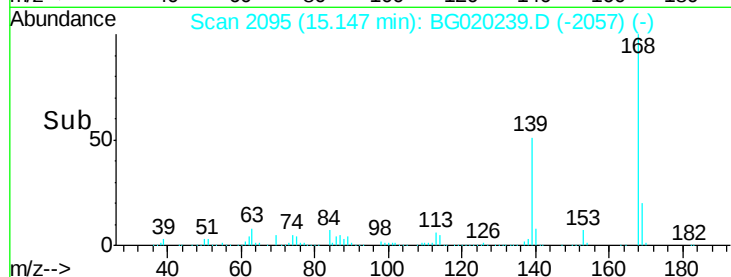
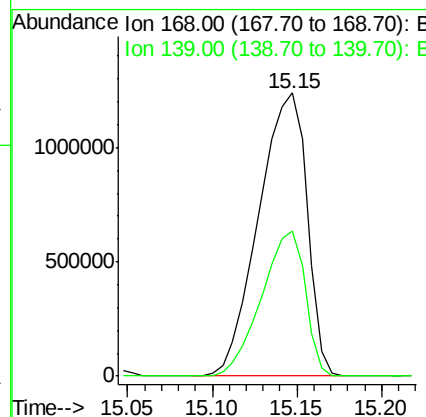
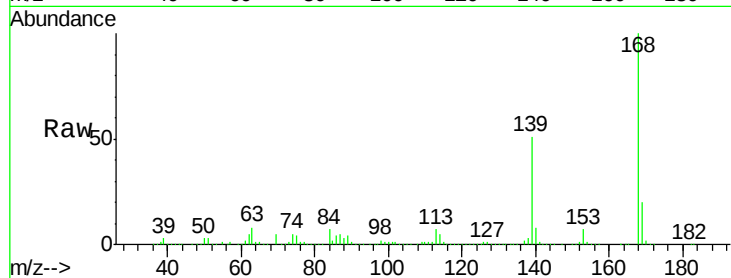
#54
Dibenzenofuran
Concen: 325.09 ng/ul
RT: 15.15 min Scan# 2095
Delta R.T. 0.02 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:168 Resp: 2463953
Ion Ratio Lower Upper
168 100
139 51.2 30.5 45.7#

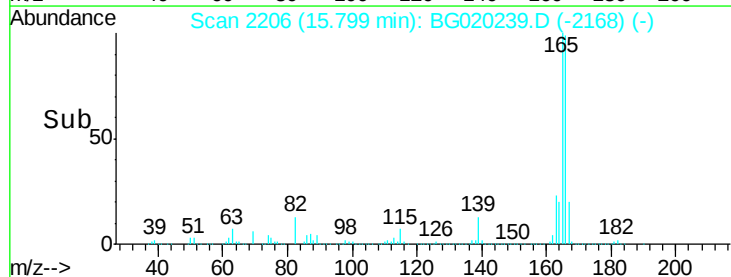
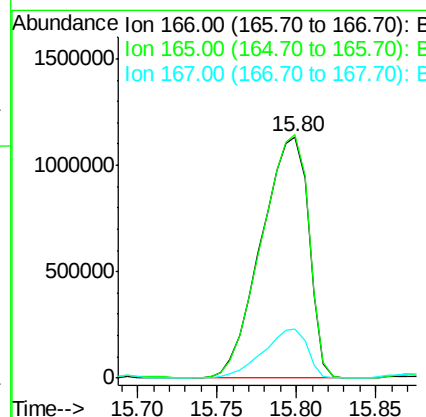
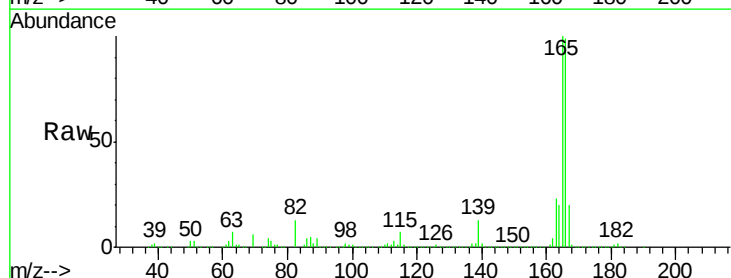
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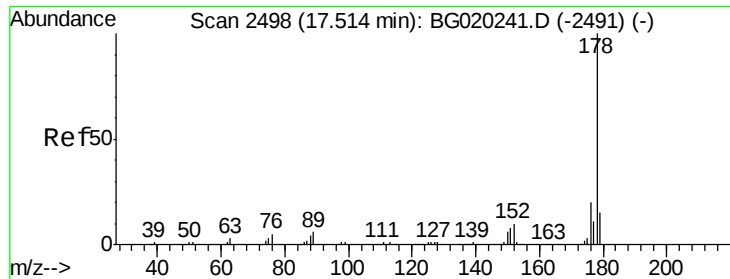
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#59
Fluorene
Concen: 385.64 ng/ul
RT: 15.80 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Tgt Ion:166 Resp: 2347173
Ion Ratio Lower Upper
166 100
165 101.0 81.4 122.0
167 20.4 11.2 16.8#





#70

Phenanthrene

Concen: 715.20 ng/ul m

RT: 17.57 min Scan# 2507

Delta R.T. 0.05 min

Lab File: BG020239.D

Acq: 17 Dec 2015 2:47

Instrument :

BNA_G

ClientSampleId :

D9N41

Tgt Ion:178 Resp: 6209776

Ion Ratio Lower Upper

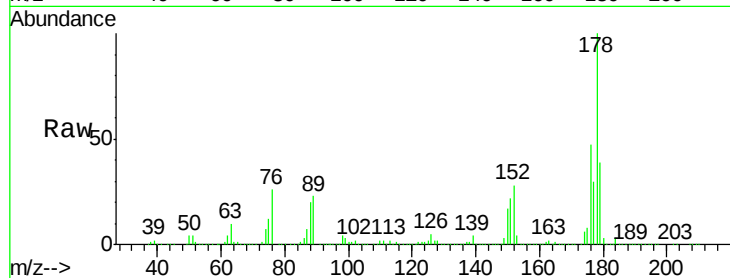
178 100

179 39.0 12.9 19.3#

176 47.1 15.3 22.9#

Manual Integrations
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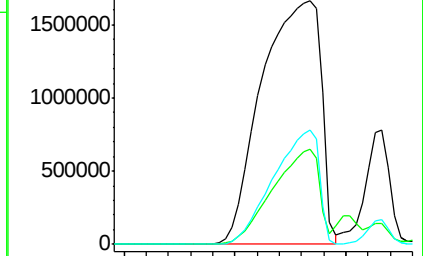
MMdadoda
12/17/2015 12:00:28 PM



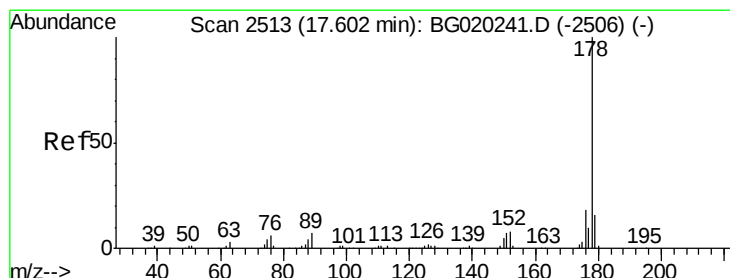
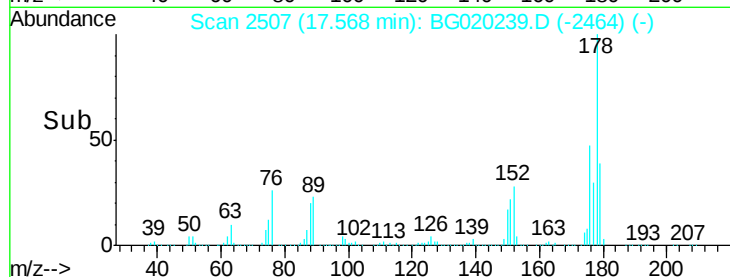
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#72

Anthracene

Concen: 137.06 ng/ul

RT: 17.63 min Scan# 2518

Delta R.T. 0.03 min

Lab File: BG020239.D

Acq: 17 Dec 2015 2:47

Tgt Ion:178 Resp: 1207037

Ion Ratio Lower Upper

178 100

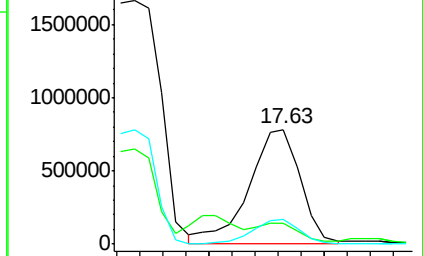
179 18.7 12.3 18.5#

176 21.6 14.3 21.5#

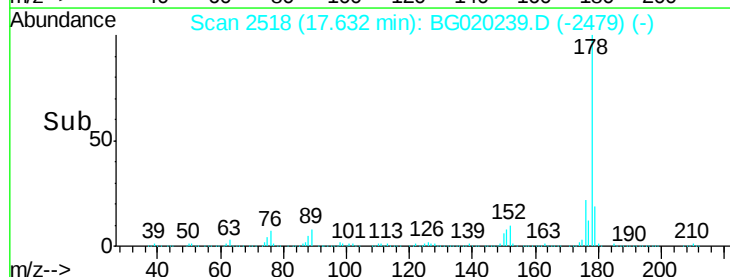
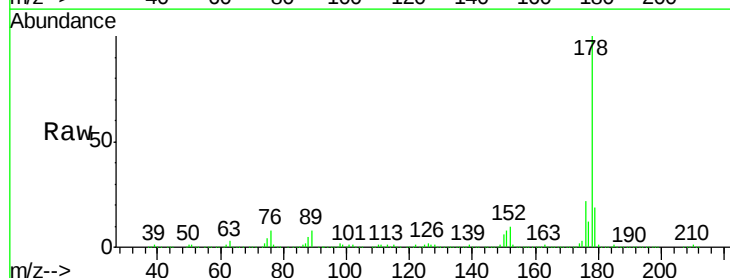
Abundance Ion 178.00 (177.70 to 178.70): E

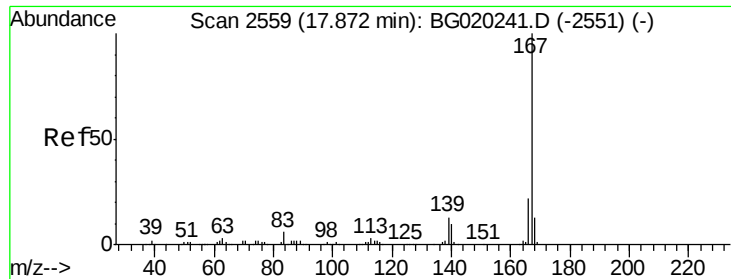
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





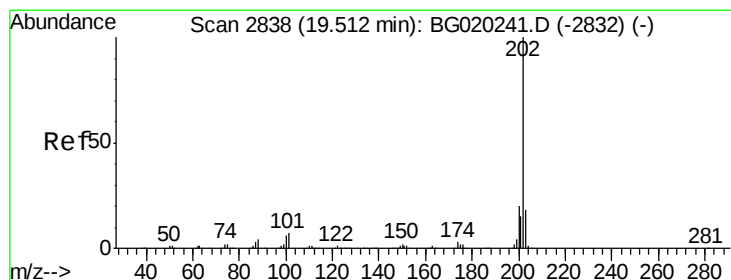
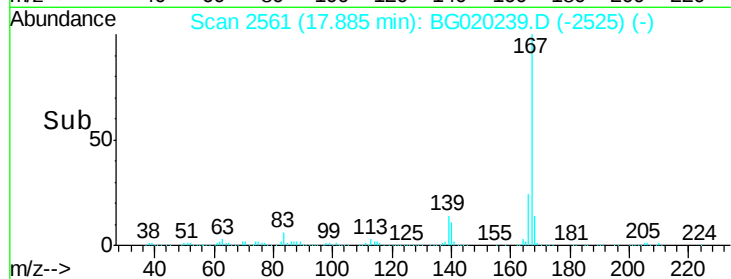
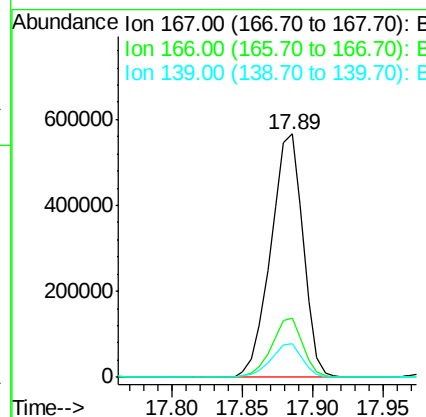
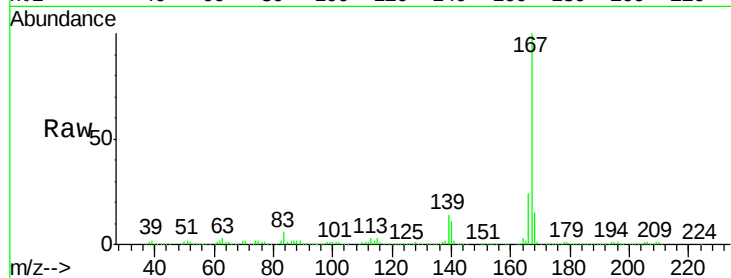
#75
 Carbazole
 Concen: 122.59 ng/ul
 RT: 17.89 min Scan# 2561
 Delta R.T. 0.01 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.2	17.0	25.6
139	13.9	10.1	15.1

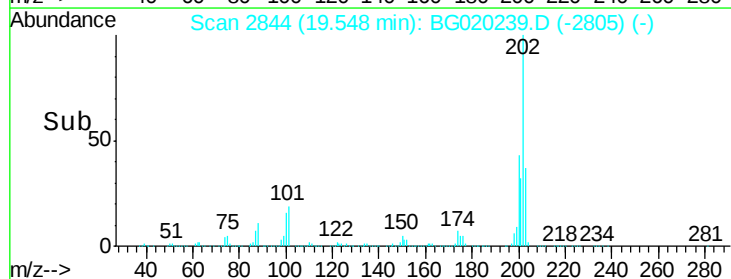
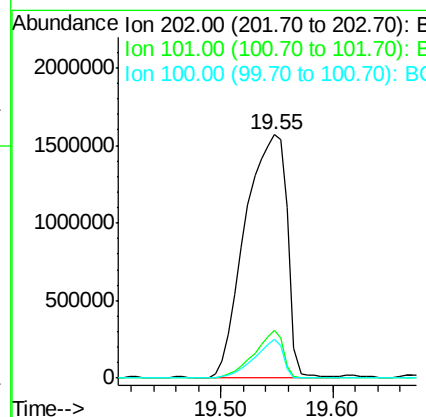
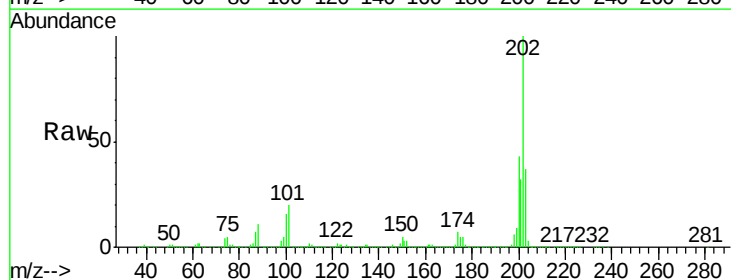
Manual Integrations
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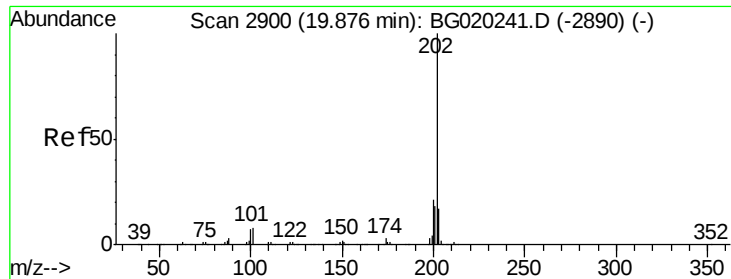
MMdadoda
 12/17/2015 12:00:28 PM



#77
 Fluoranthene
 Concen: 404.36 ng/ul m
 RT: 19.55 min Scan# 2844
 Delta R.T. 0.03 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.6	6.2	9.4#
100	15.9	5.1	7.7#





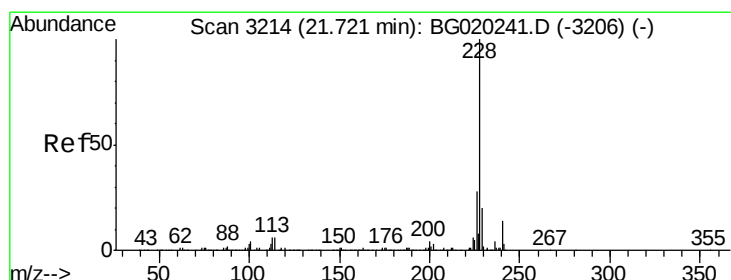
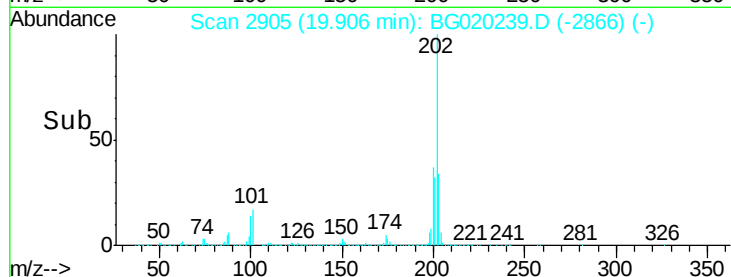
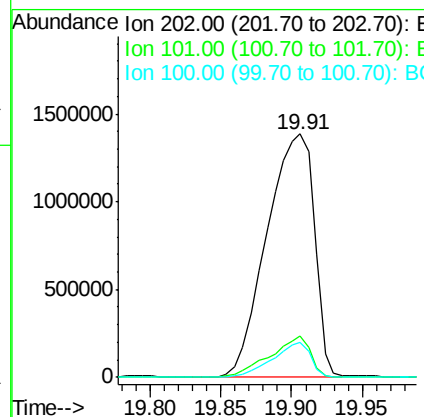
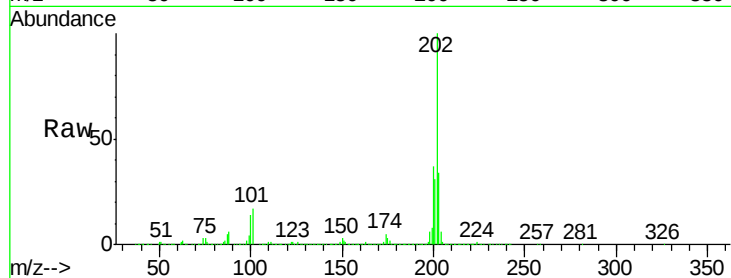
#80
 Pyrene
 Concen: 285.45 ng/ul
 RT: 19.91 min Scan# 2905
 Delta R.T. 0.03 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.0	7.0	10.4#
100	14.3	6.4	9.6#

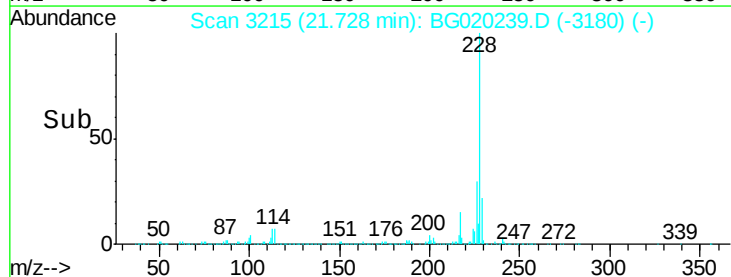
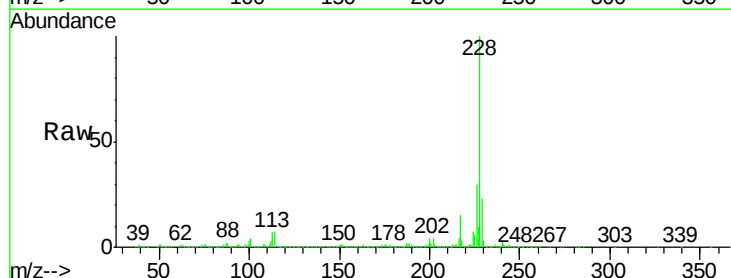
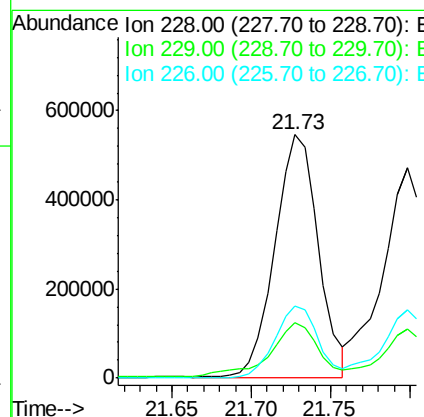
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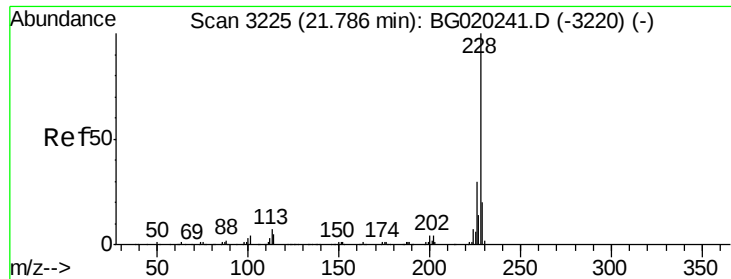
MMdadoda
 12/17/2015 12:00:28 PM



#83
 Benzo(a)anthracene
 Concen: 93.94 ng/ul
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.01 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.7	15.8	23.8
226	29.8	21.8	32.6





#85

Chrysene

Concen: 83.75 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG020239.D

Acq: 17 Dec 2015 2:47

Instrument :

BNA_G

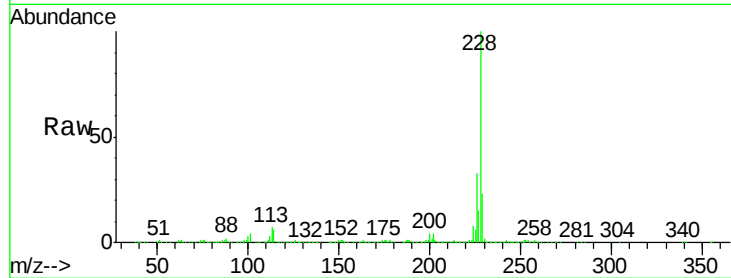
ClientSampleId :

D9N41

Tgt Ion:	228	Resp:	869306
Ion Ratio	Lower	Upper	
228	100		
226	32.7	23.9	35.9
229	23.1	15.6	23.4

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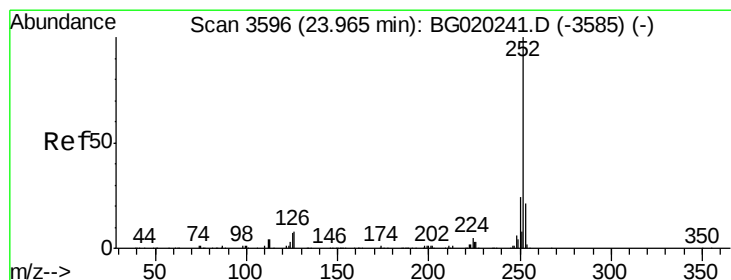
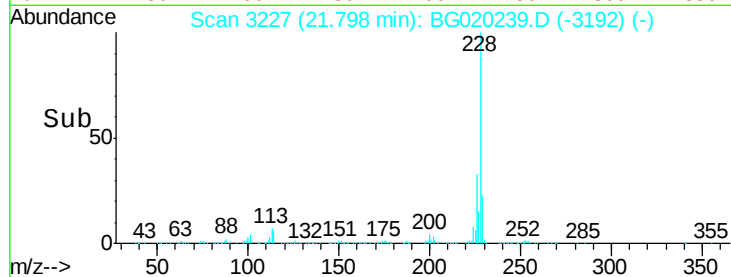
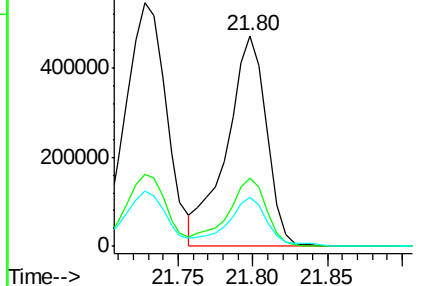
MMdadoda
12/17/2015 12:00:28 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88

Benzo(b)fluoranthene

Concen: 46.80 ng/ul

RT: 23.98 min Scan# 3598

Delta R.T. 0.01 min

Lab File: BG020239.D

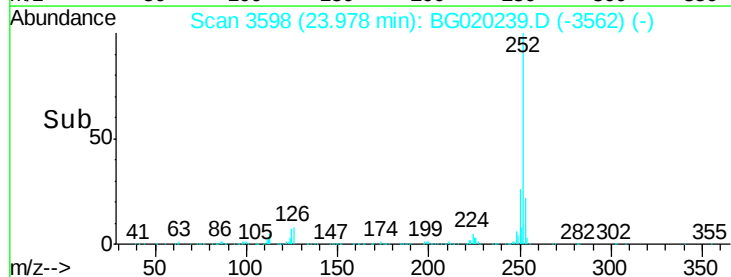
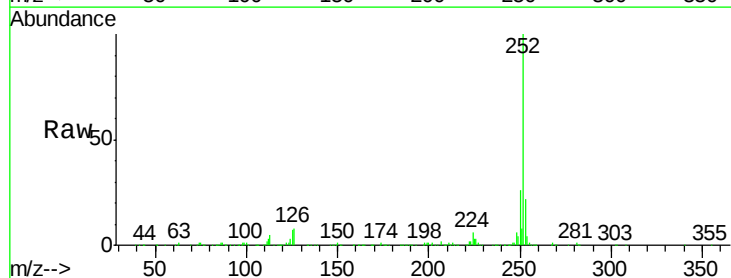
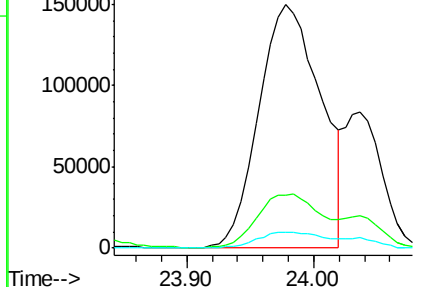
Acq: 17 Dec 2015 2:47

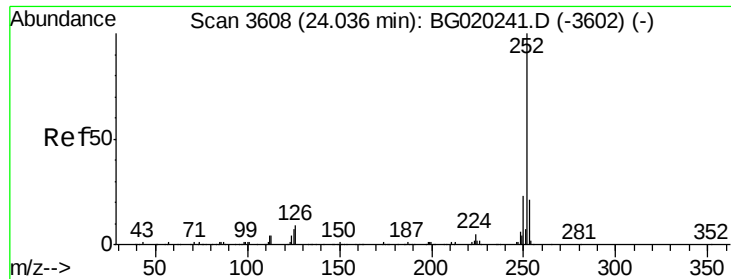
Tgt Ion:	252	Resp:	506167
Ion Ratio	Lower	Upper	
252	100		
253	21.8	16.7	25.1
125	6.7	6.2	9.2

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





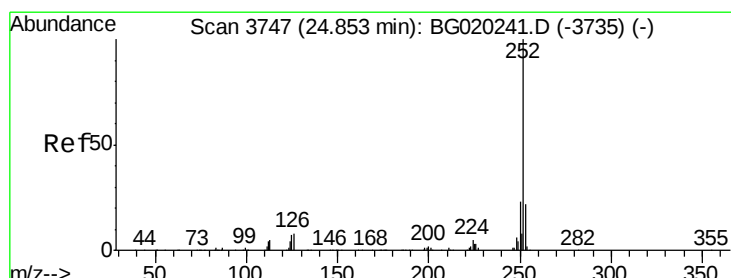
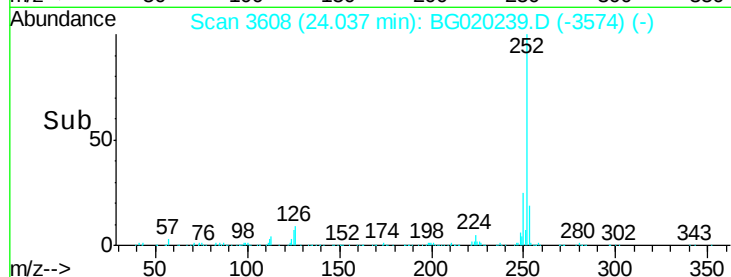
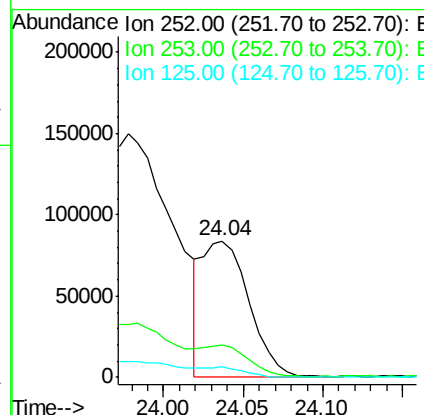
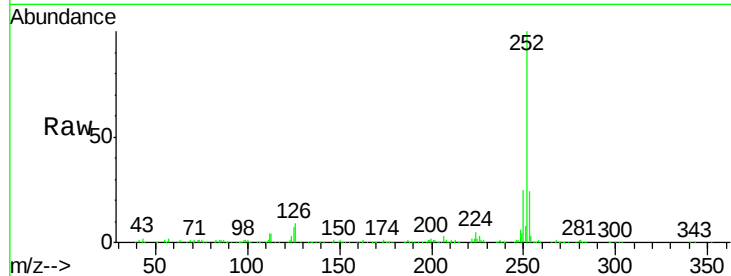
#89
Benzo(k)fluoranthene
Concen: 16.48 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. 0.00 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Instrument :
BNA_G
ClientSampleId :
D9N41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	7.4	5.8	8.6

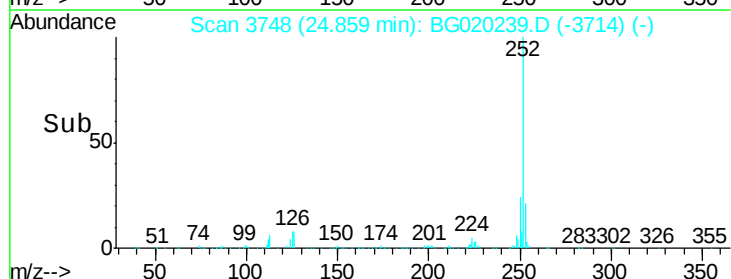
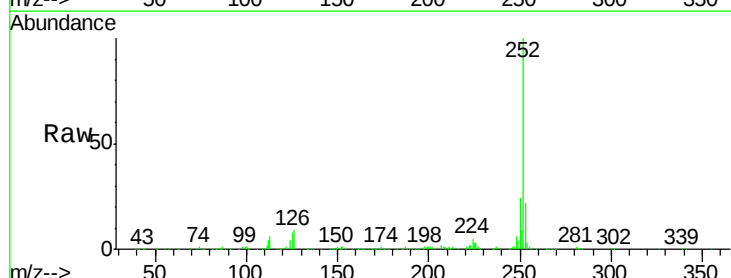
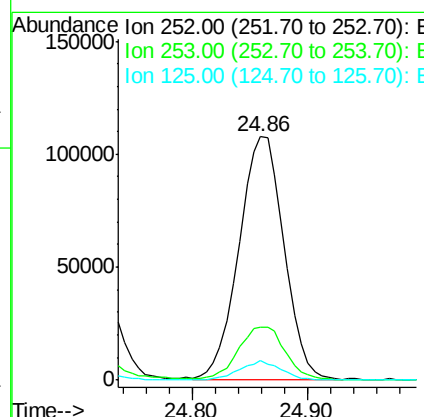
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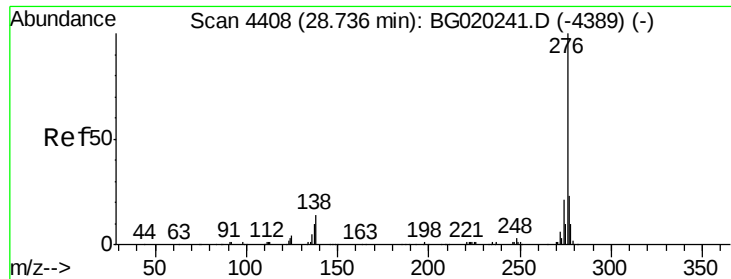
MMdadoda
12/17/2015 12:00:28 PM



#91
Benzo(a)pyrene
Concen: 28.29 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. 0.00 min
Lab File: BG020239.D
Acq: 17 Dec 2015 2:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	8.0	6.2	9.4





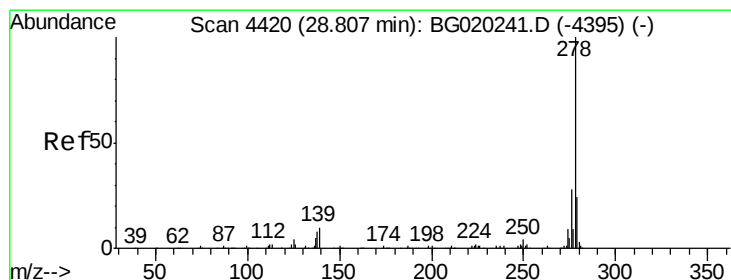
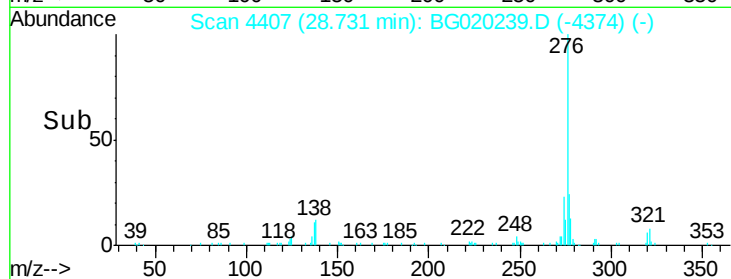
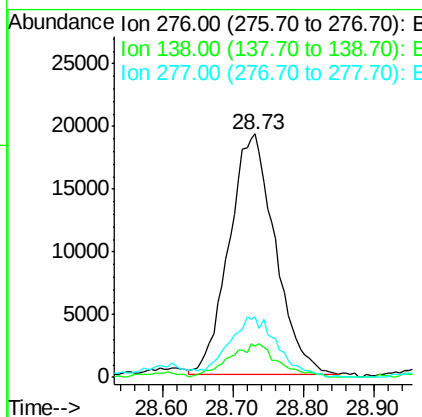
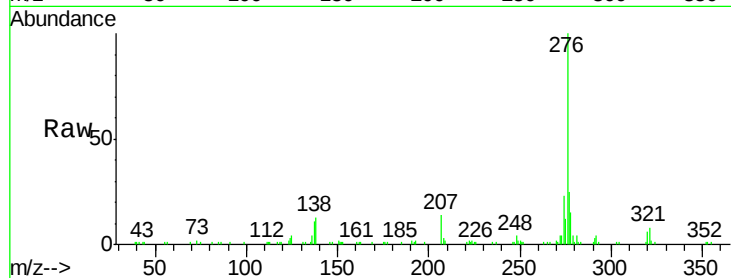
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 7.12 ng/ul
 RT: 28.73 min Scan# 4407
 Delta R.T. -0.00 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	86947		
138	12.9		11.4	17.0
277	25.0		17.4	26.0

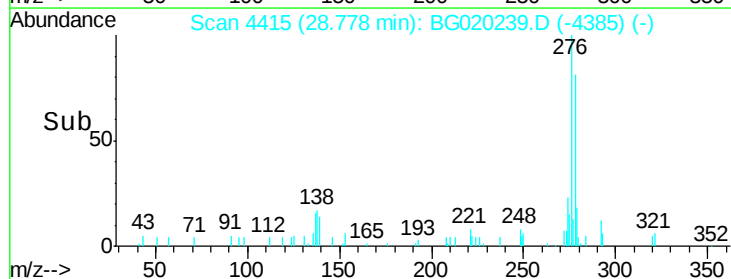
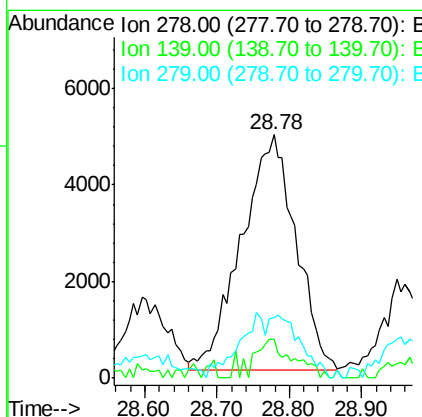
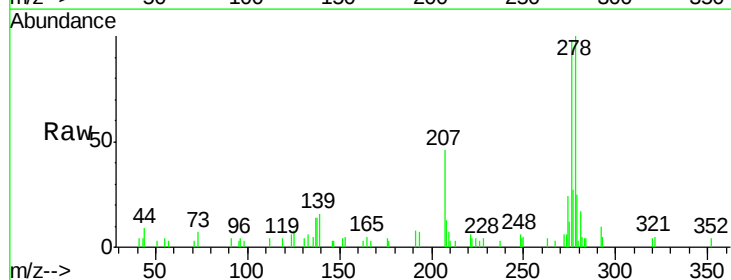
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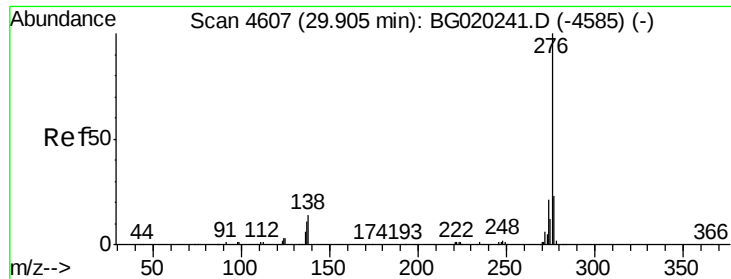
MMdadoda
 12/17/2015 12:00:28 PM



#93
 Dibenzo(a,h)anthracene
 Concen: 2.50 ng/ul m
 RT: 28.78 min Scan# 4415
 Delta R.T. -0.02 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	25334		
139	15.7		9.4	14.2#
279	25.0		19.4	29.0





#94
 Benzo(g,h,i)perylene
 Concen: 6.95 ng/ul
 RT: 29.89 min Scan# 4604
 Delta R.T. -0.02 min
 Lab File: BG020239.D
 Acq: 17 Dec 2015 2:47

Instrument :
 BNA_G
 ClientSampleId :
 D9N41

Tgt Ion:	276	Resp:	69555
Ion Ratio	Lower	Upper	
276	100		
138	14.2	10.8	16.2
277	25.7	19.9	29.9

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 12/17/2015 12:00:28 PM

