

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020237.D
 Acq On : 17 Dec 2015 1:28
 Operator : UM/SJ
 Sample : G4767-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Manual Integrations
 APPROVED

MMdadoda
 12/17/2015 12:00:29 PM

Quant Time: Dec 17 05:46:26 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	24938	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	113150	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	83030	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	169579	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	192254	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	188071	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1242	2.75	ng/uL	0.00
5) Phenol-d5	7.25	99	34501	15.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	21270	16.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	26354	16.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	30696	16.32	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15983	18.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	18416	18.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	32334	16.26	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	44464	19.91	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	107942	16.07	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	125007	16.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	15754	13.08	ng/ul	0.00
58) Fluorene-d10	15.72	176	94871	15.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	5980	5.95	ng/ul	0.03
71) Anthracene-d10	17.59	188	136744	17.50	ng/ul	0.03
79) Pyrene-d10	19.86	212	154321	17.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	170840	18.21	ng/ul	0.00

Target Compounds

					Qvalue
14) Acetophenone	8.92	105	3610	1.23 ng/ul	96
28) Naphthalene	11.00	128	3908083	661.39 ng/ul#	72
34) 2-Methylnaphthalene	12.59	142	1803605	399.61 ng/ul	99
35) 1-Methylnaphthalene	12.79	142	920054	212.04 ng/ul#	95
41) 1,1'-Biphenyl	13.57	154	654654	104.51 ng/ul	99
45) Dimethylphthalate	14.18	163	47850	6.98 ng/ul	98
48) Acenaphthylene	14.46	152	121431	14.63 ng/ul#	93
50) Acenaphthene	14.82	153	2357800	422.14 ng/ul#	89
54) Dibenzofuran	15.14	168	2288804	275.47 ng/ul#	80
59) Fluorene	15.80	166	2265247	339.50 ng/ul#	97
70) Phenanthrene	17.56	178	5576401m	601.18 ng/ul	
72) Anthracene	17.62	178	880347	93.57 ng/ul	94
75) Carbazole	17.88	167	421112	53.27 ng/ul	97
77) Fluoranthene	19.54	202	3674229m	338.93 ng/ul	
80) Pyrene	19.90	202	2852250	245.12 ng/ul#	86
83) Benzo(a)anthracene	21.73	228	958053	85.40 ng/ul	94
85) Chrysene	21.80	228	763896m	72.30 ng/ul	
88) Benzo(b)fluoranthene	23.99	252	429954	37.98 ng/ul	96
89) Benzo(k)fluoranthene	24.04	252	145713m	13.41 ng/ul	
91) Benzo(a)pyrene	24.86	252	235769	21.97 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.73	276	68303	5.35 ng/ul#	90
93) Dibenzo(a,h)anthracene	28.79	278	24963m	2.35 ng/ul	
94) Benzo(g,h,i)perylene	29.89	276	51838m	4.95 ng/ul	

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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

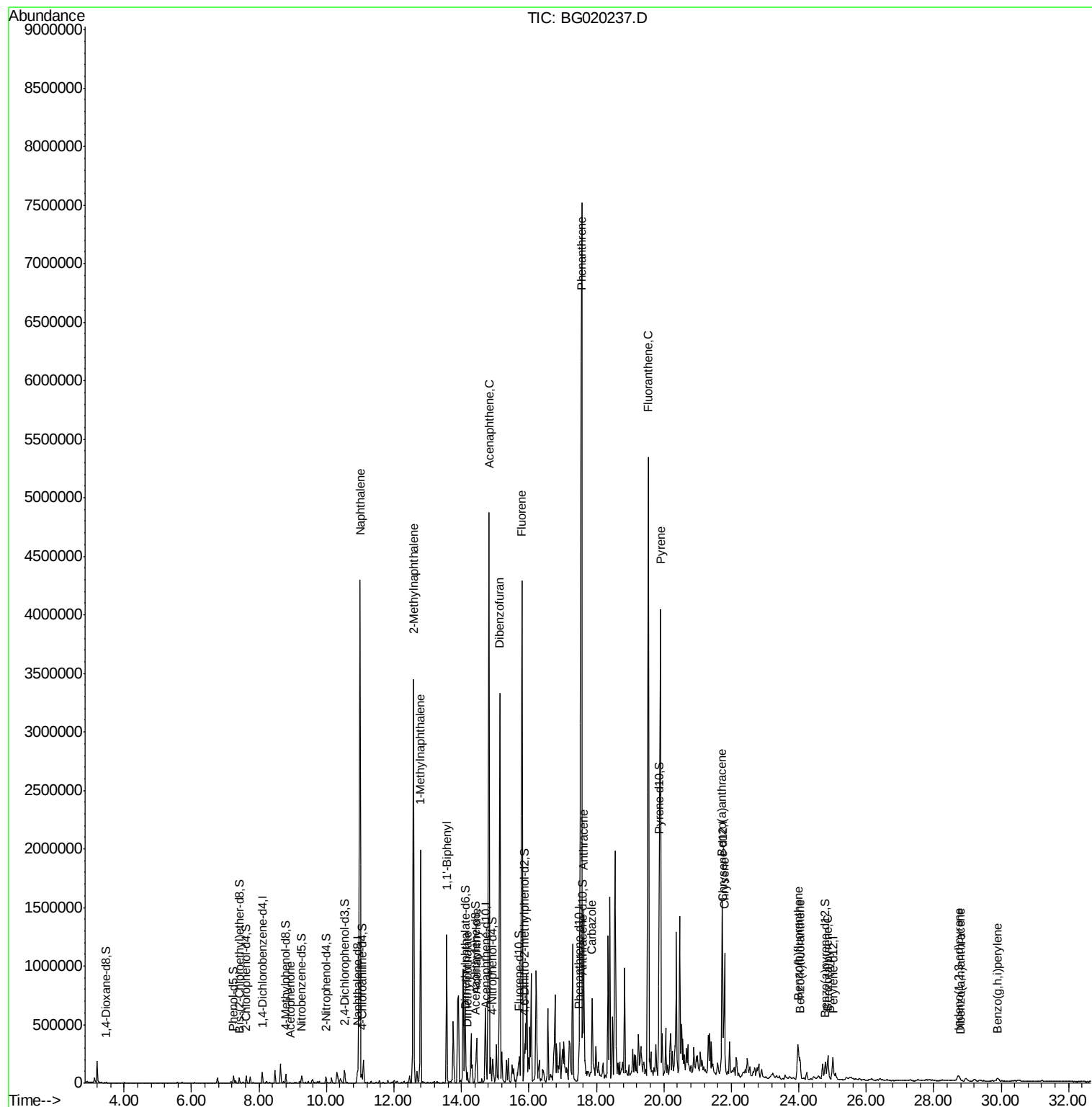
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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ALS Vial : 23 Sample Multiplier: 1

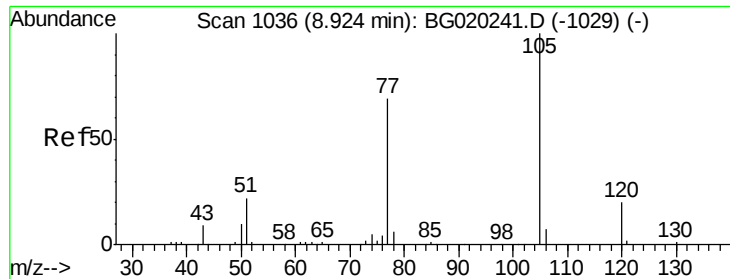
Instrument :
BNA_G
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#14

Acetophenone

Concen: 1.23 ng/ul

RT: 8.92 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BG020237.D

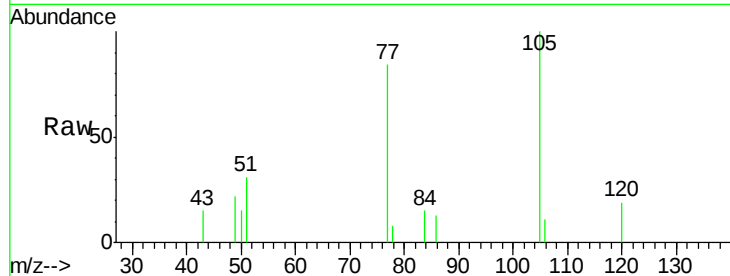
Acq: 17 Dec 2015 1:28

Instrument :

BNA_G

ClientSampleId :

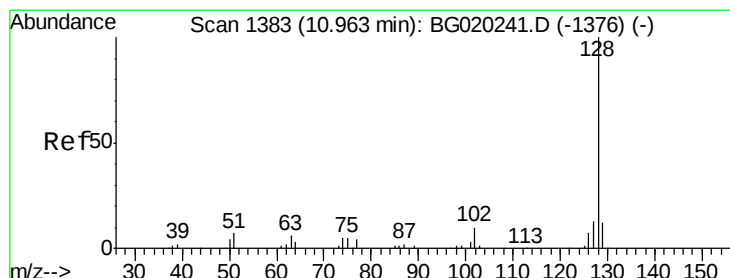
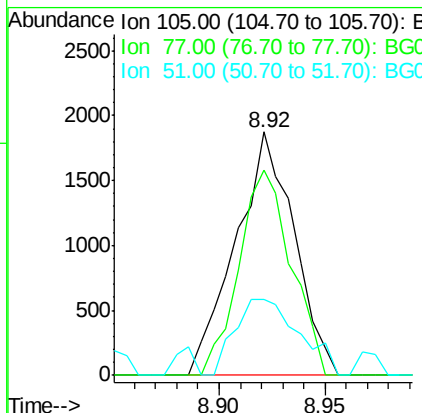
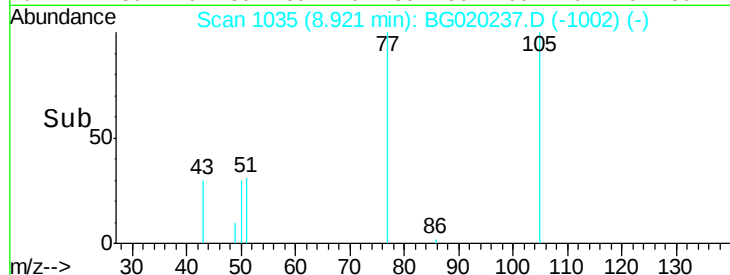
D9N34



Tgt Ion:	105	Resp:	3610
Ion Ratio	Lower	Upper	
105	100		
77	84.2	65.2	97.8
51	31.3	22.6	33.8

Manual Integrations
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#28

Naphthalene

Concen: 661.39 ng/ul

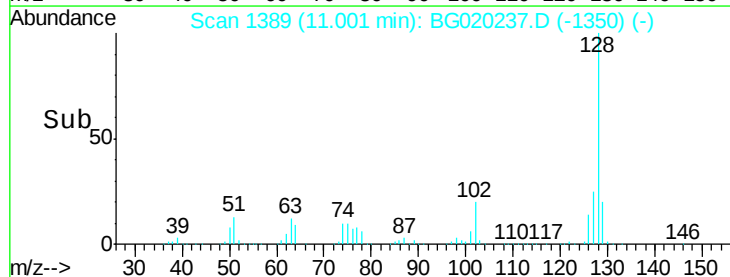
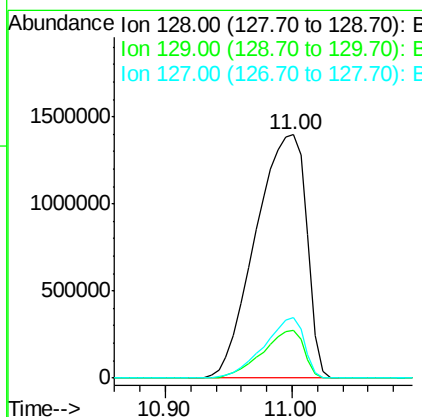
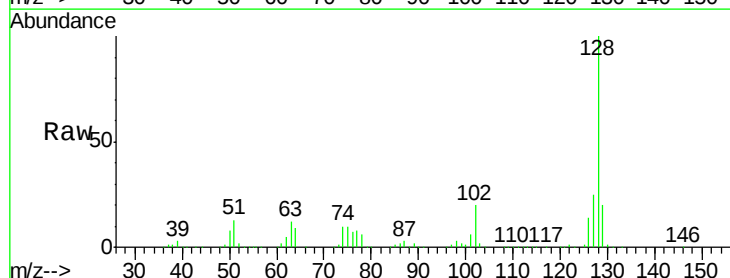
RT: 11.00 min Scan# 1389

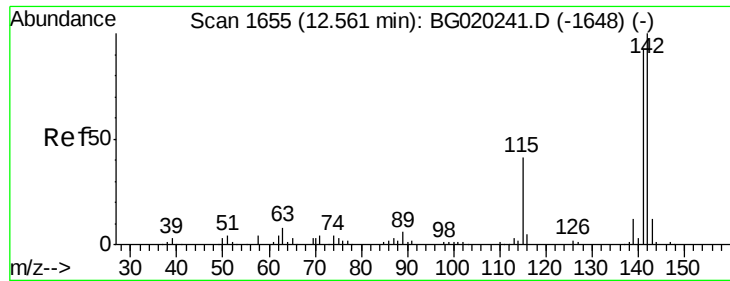
Delta R.T. 0.03 min

Lab File: BG020237.D

Acq: 17 Dec 2015 1:28

Tgt Ion:	128	Resp:	3908083
Ion Ratio	Lower	Upper	
128	100		
129	19.8	8.6	12.8#
127	24.7	10.1	15.1#





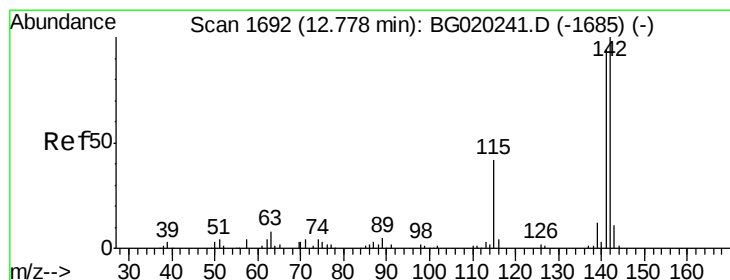
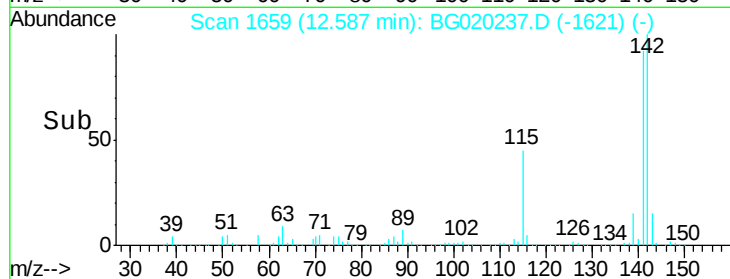
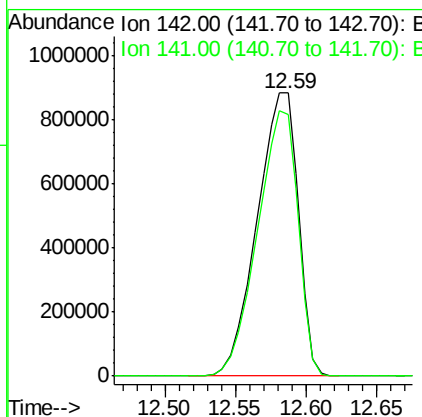
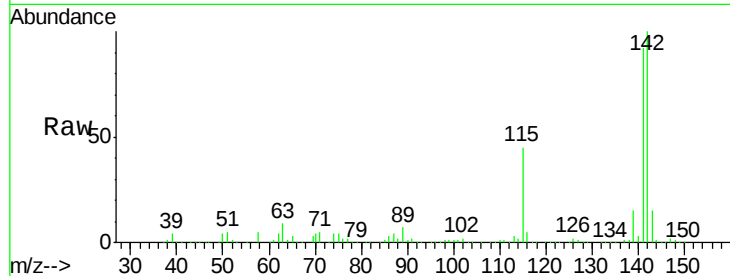
#34
2-Methylnaphthalene
Concen: 399.61 ng/ul
RT: 12.59 min Scan# 1659
Delta R.T. 0.03 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:142 Resp: 1803605
Ion Ratio Lower Upper
142 100
141 92.3 74.9 112.3

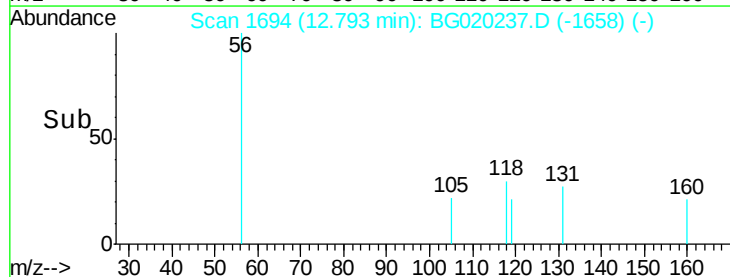
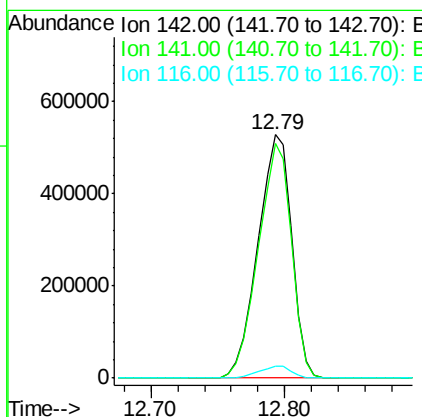
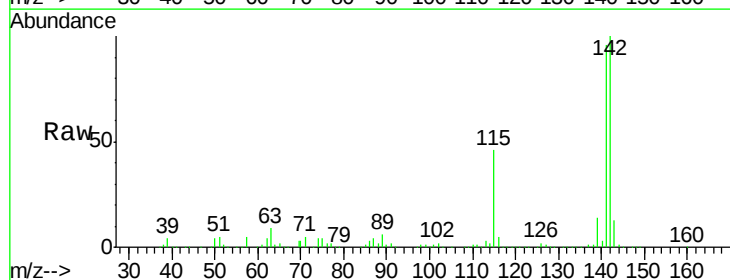
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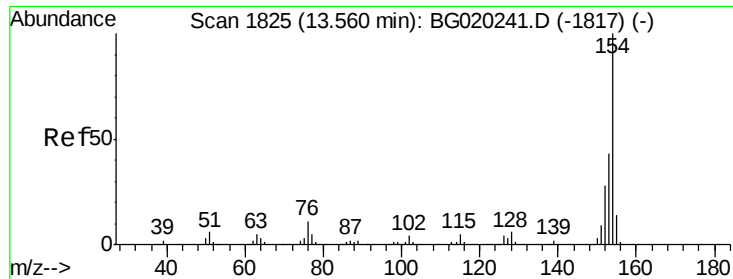
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#35
1-Methylnaphthalene
Concen: 212.04 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:142 Resp: 920054
Ion Ratio Lower Upper
142 100
141 96.2 73.0 109.6
116 5.0 3.0 4.6#





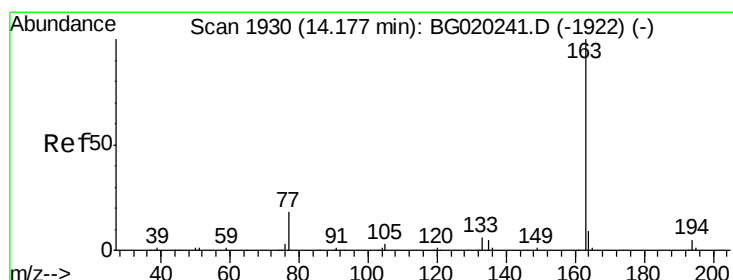
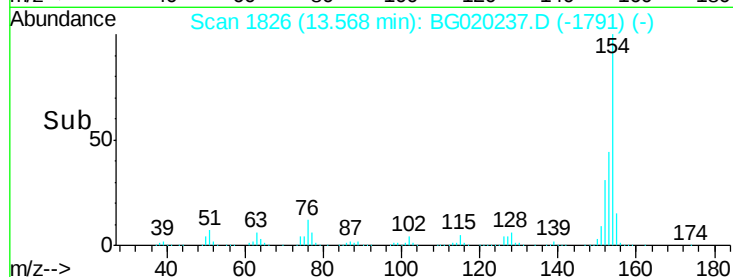
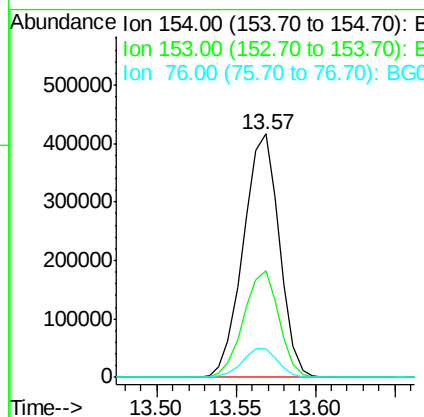
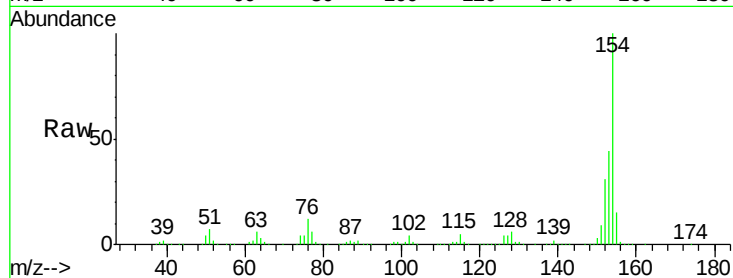
#41
 1,1'-Biphenyl
 Concen: 104.51 ng/ul
 RT: 13.57 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Instrument :
 BNA_G
 ClientSampled :
 D9N34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.9	35.5	53.3
76	11.7	10.4	15.6

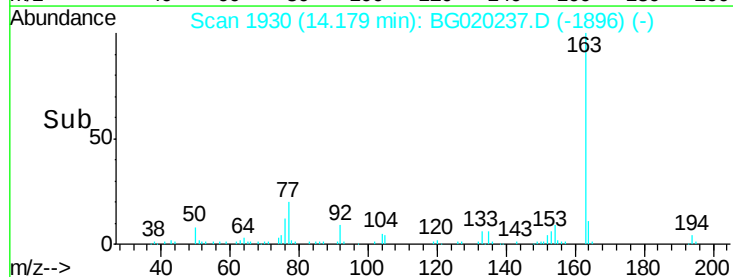
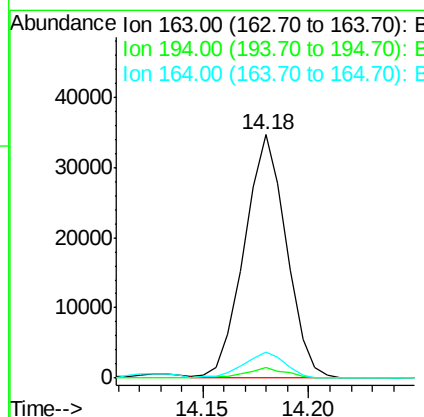
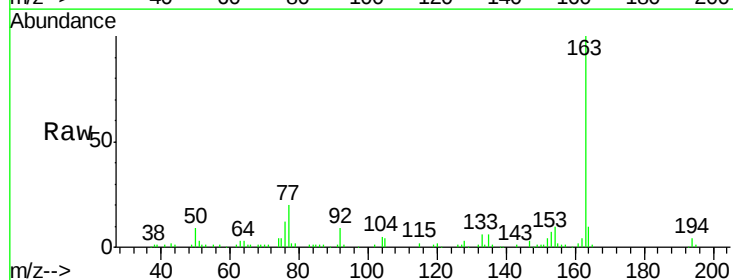
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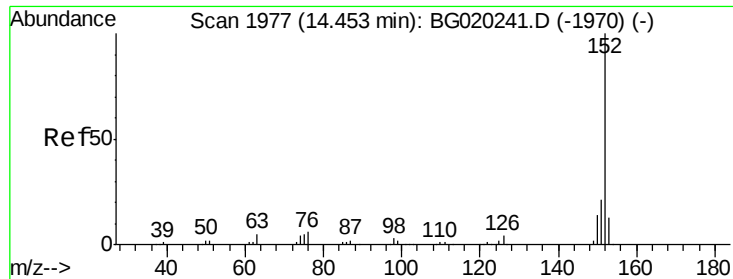
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#45
 Dimethylphthalate
 Concen: 6.98 ng/ul
 RT: 14.18 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.5	7.7	11.5





#48

Acenaphthylene

Concen: 14.63 ng/ul

RT: 14.46 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020237.D

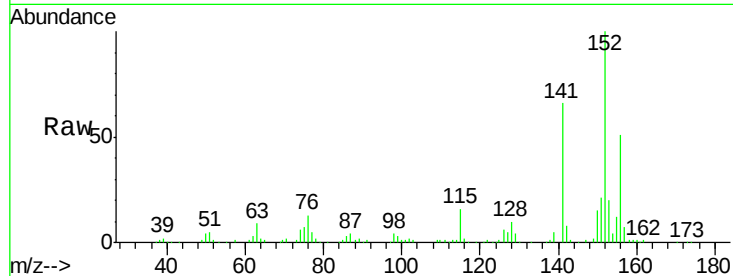
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Instrument :

BNA_G

ClientSampleId :

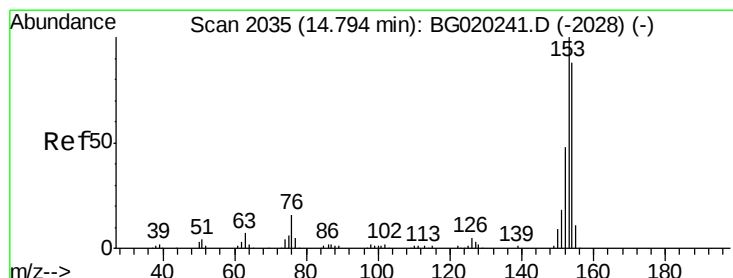
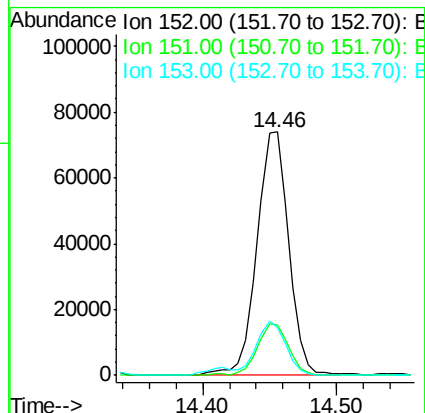
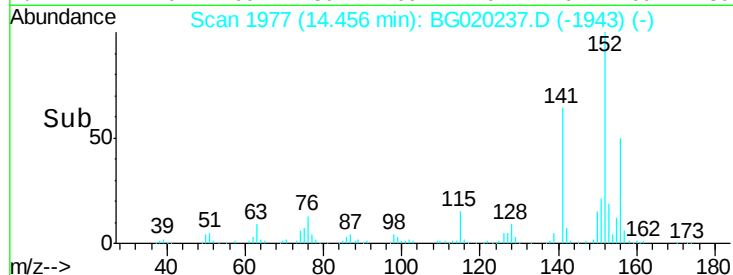
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	121431		
151	20.6	16.4	24.6	
153	19.8	10.4	15.6	

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#50

Acenaphthene

Concen: 422.14 ng/ul

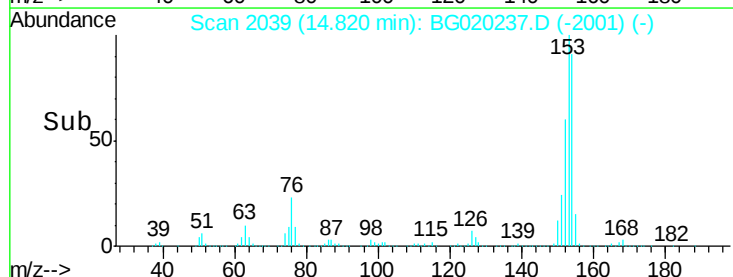
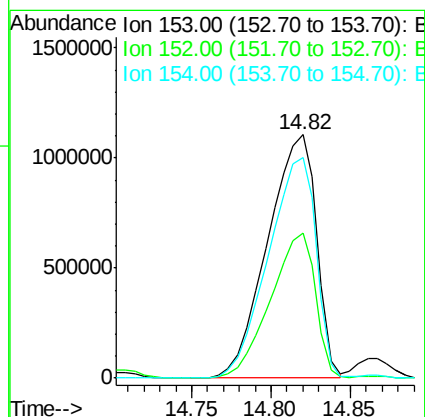
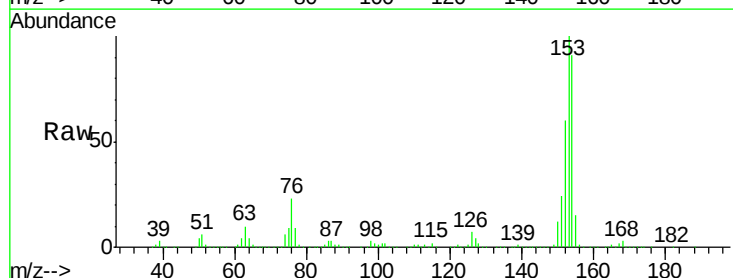
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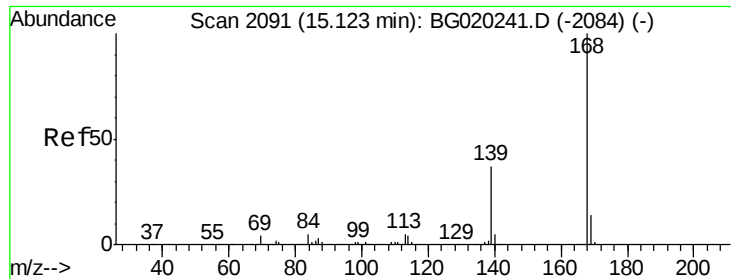
Delta R.T. 0.03 min

Lab File: BG020237.D

Acq: 17 Dec 2015 1:28

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	2357800		
152	59.6	37.6	56.4	
154	90.6	67.9	101.9	





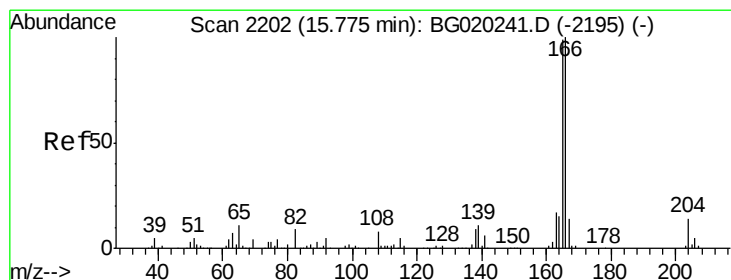
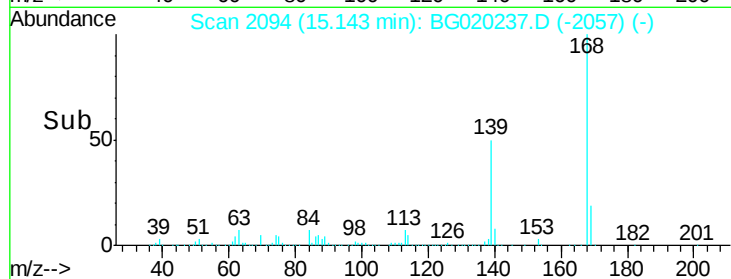
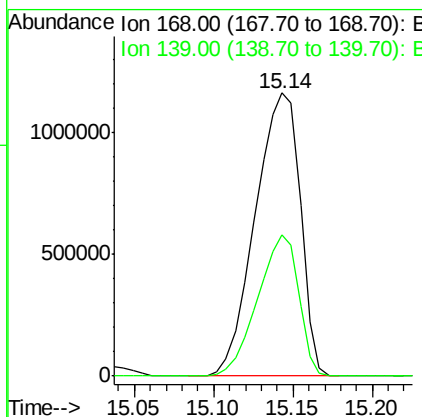
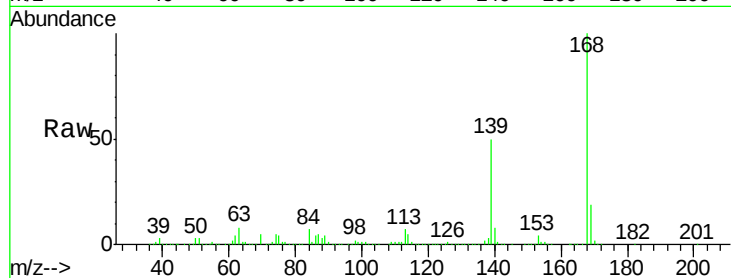
#54
Dibenzenofuran
Concen: 275.47 ng/ul
RT: 15.14 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:168 Resp: 2288804
Ion Ratio Lower Upper
168 100
139 50.1 30.5 45.7#

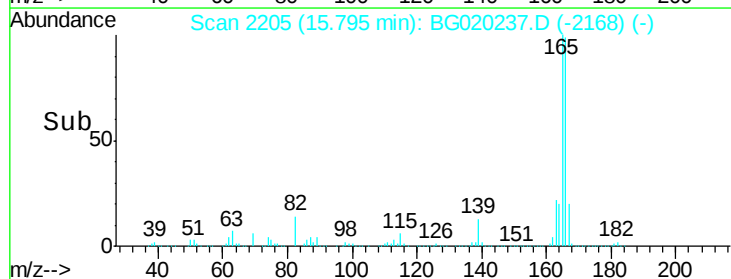
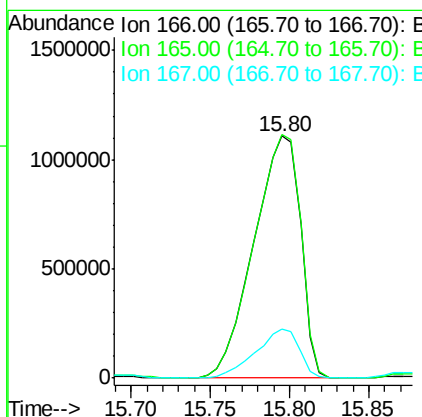
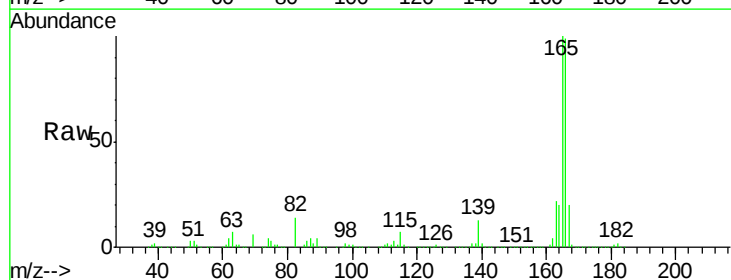
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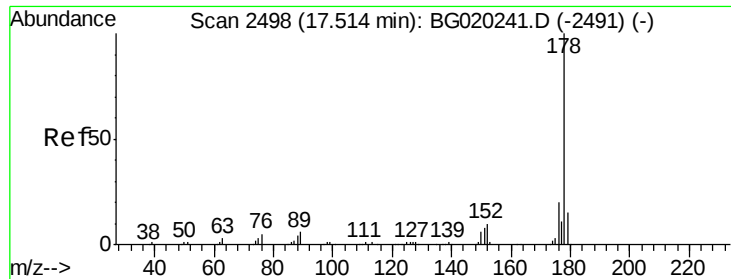
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#59
Fluorene
Concen: 339.50 ng/ul
RT: 15.80 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:166 Resp: 2265247
Ion Ratio Lower Upper
166 100
165 100.7 81.4 122.0
167 20.2 11.2 16.8#





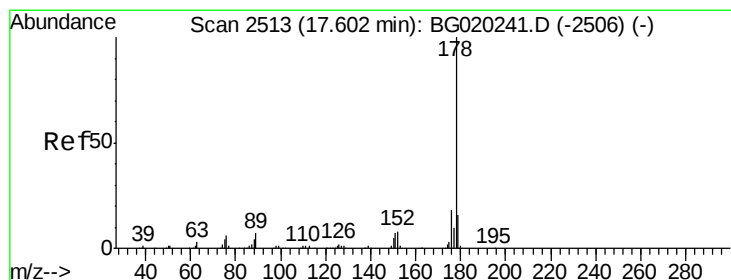
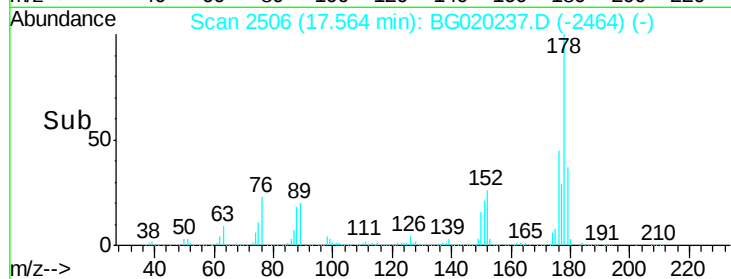
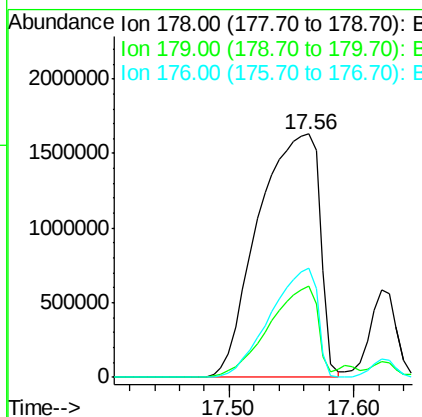
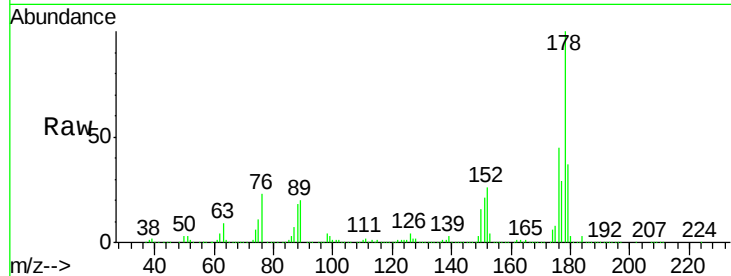
#70
Phenanthrene
Concen: 601.18 ng/ul m
RT: 17.56 min Scan# 2506
Delta R.T. 0.05 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:178 Resp: 5576401
Ion Ratio Lower Upper
178 100
179 37.5 12.9 19.3#
176 45.0 15.3 22.9#

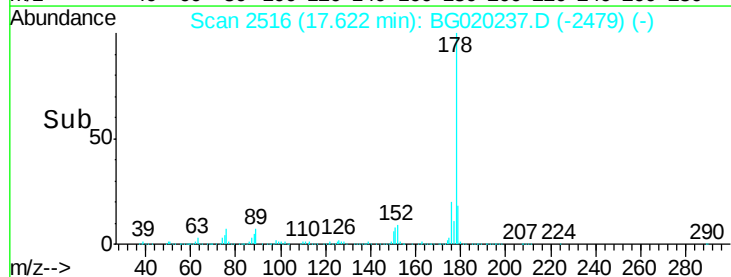
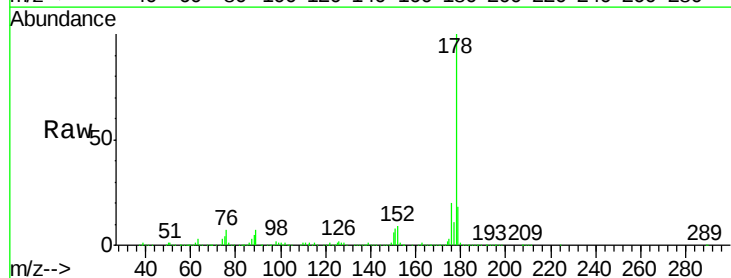
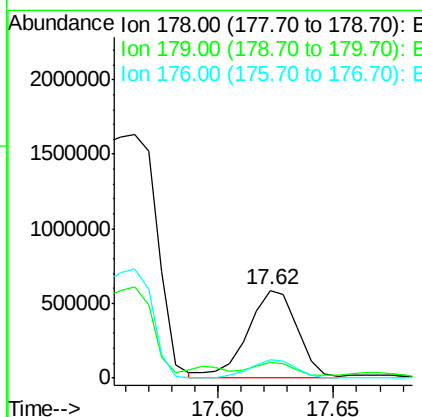
Manual Integrations
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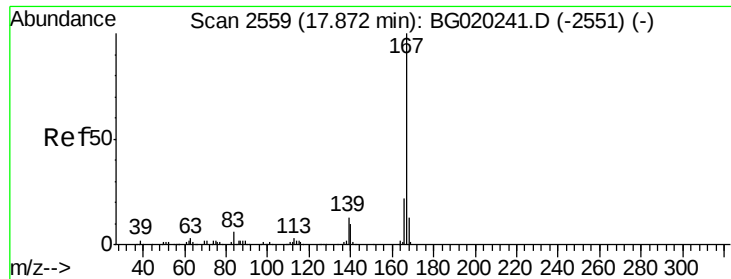
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#72
Anthracene
Concen: 93.57 ng/ul
RT: 17.62 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion:178 Resp: 880347
Ion Ratio Lower Upper
178 100
179 17.9 12.3 18.5
176 20.3 14.3 21.5





#75

Carbazole

Concen: 53.27 ng/ul

RT: 17.88 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020237.D

Acq: 17 Dec 2015 1:28

Instrument :

BNA_G

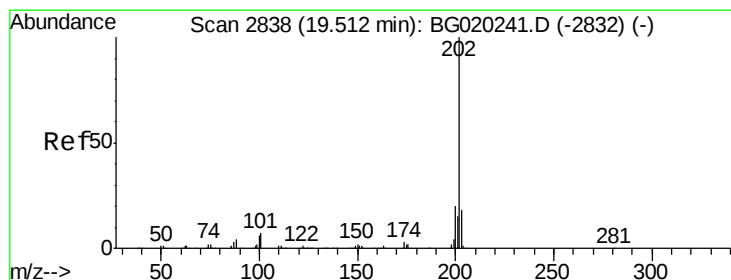
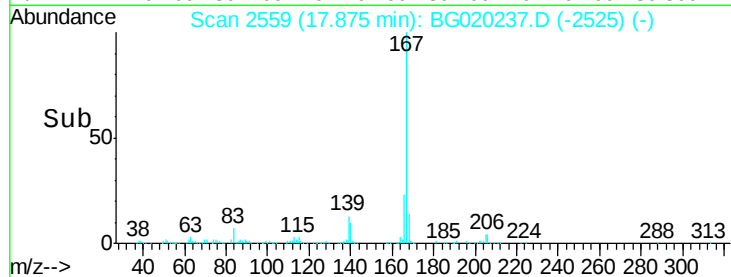
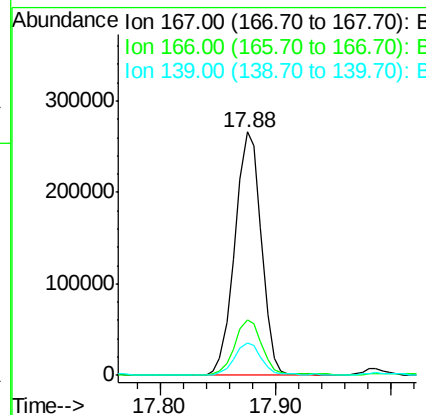
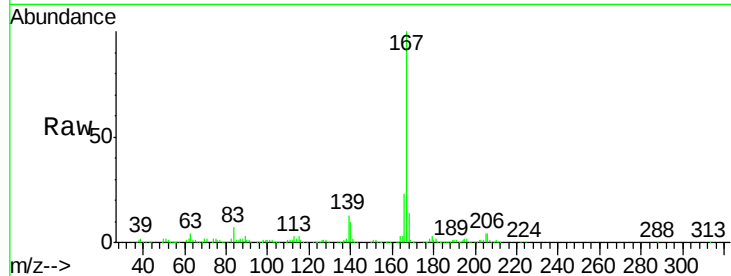
ClientSampleId :

D9N34

Tgt	Ion	167	Resp:	421112
	Ratio		Lower	Upper
167	100			
166	22.9	17.0	25.6	
139	13.1	10.1	15.1	

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#77

Fluoranthene

Concen: 338.93 ng/ul m

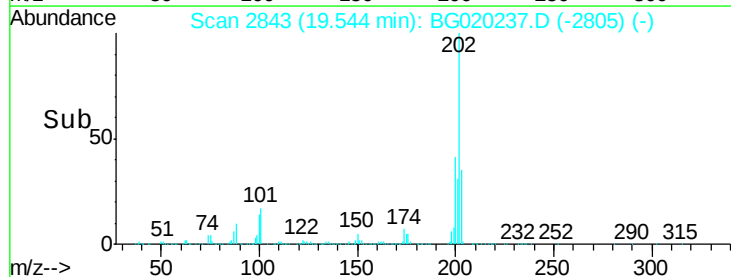
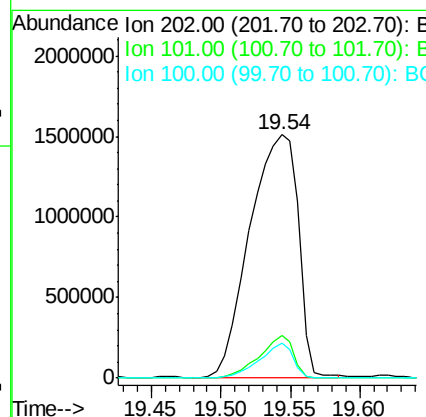
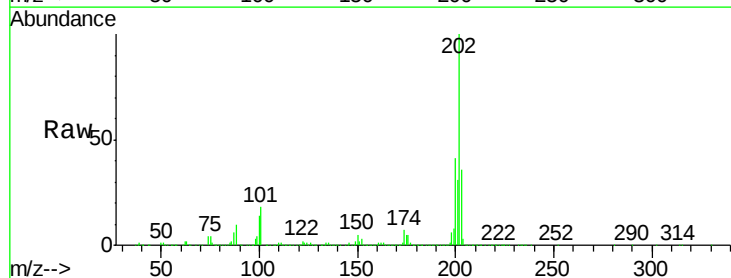
RT: 19.54 min Scan# 2843

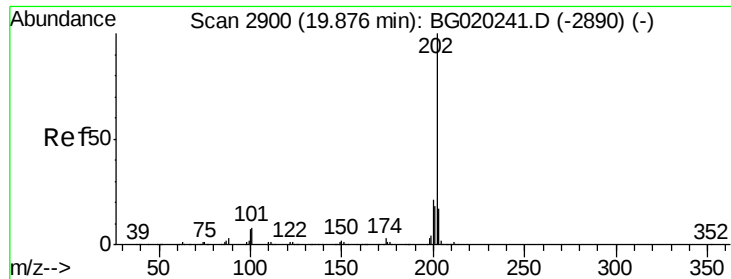
Delta R.T. 0.03 min

Lab File: BG020237.D

Acq: 17 Dec 2015 1:28

Tgt	Ion	202	Resp:	3674229
	Ratio		Lower	Upper
202	100			
101	17.6	6.2	9.4#	
100	14.1	5.1	7.7#	





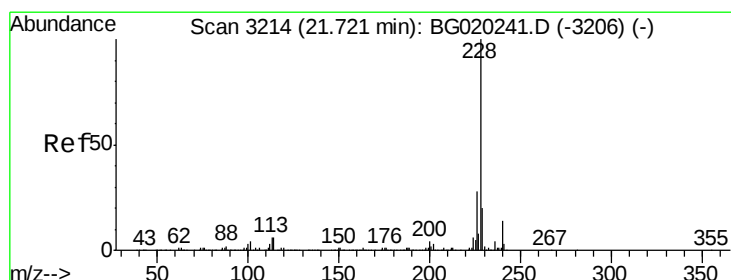
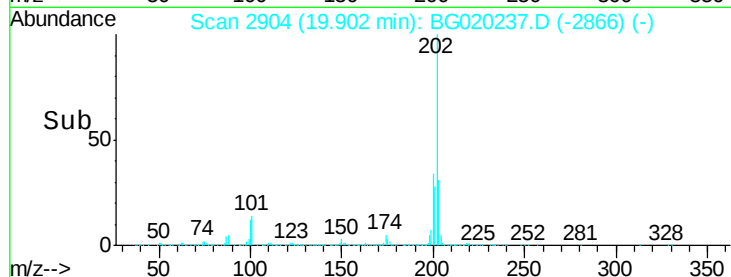
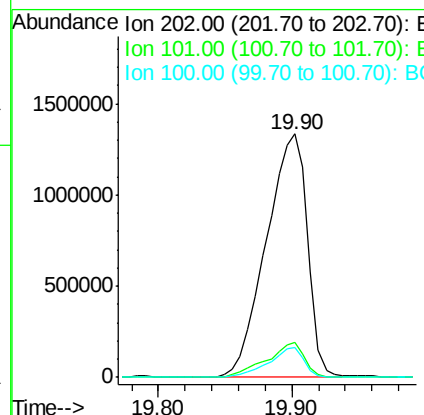
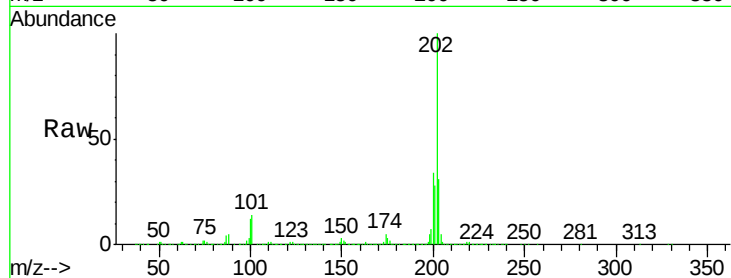
#80
Pyrene
Concen: 245.12 ng/ul
RT: 19.90 min Scan# 2904
Delta R.T. 0.03 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2852250		
101	14.2	7.0	10.4#	
100	12.2	6.4	9.6#	

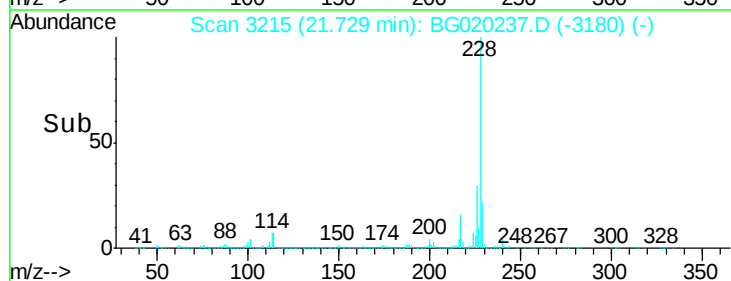
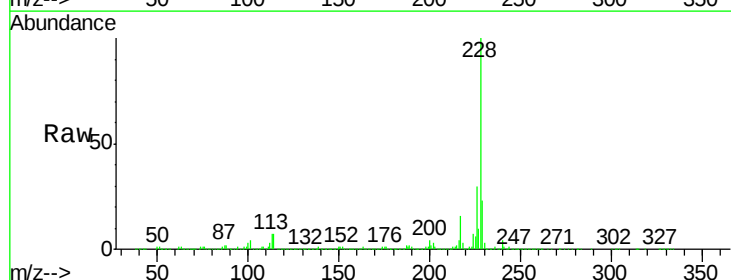
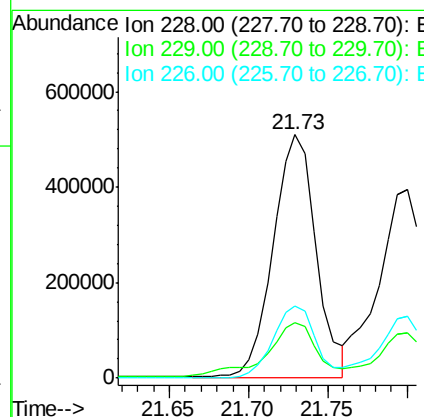
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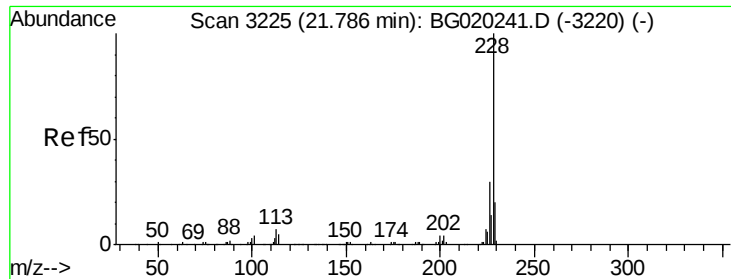
MMdadoda
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#83
Benzo(a)anthracene
Concen: 85.40 ng/ul
RT: 21.73 min Scan# 3215
Delta R.T. 0.01 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	958053		
229	23.0	15.8	23.8	
226	29.8	21.8	32.6	





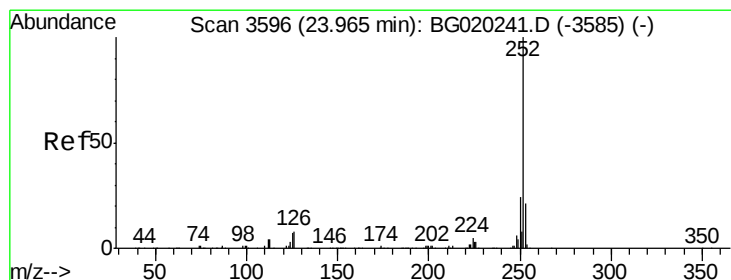
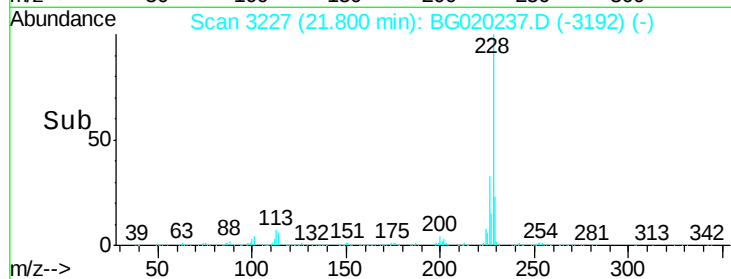
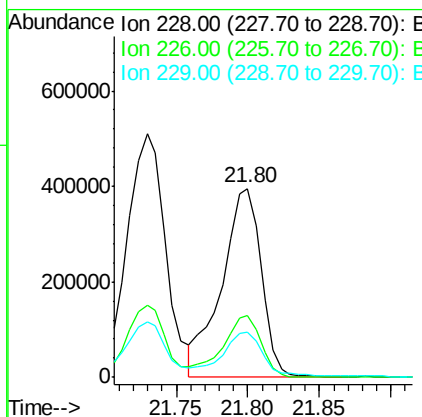
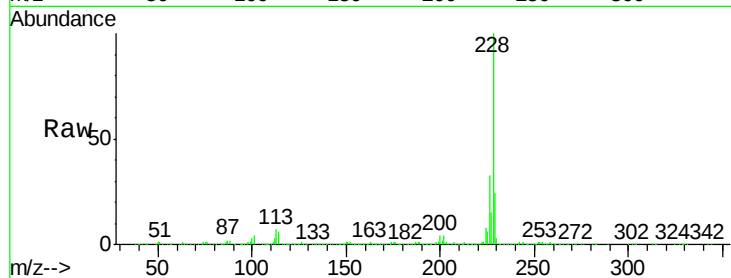
#85
 Chrysene
 Concen: 72.30 ng/ul m
 RT: 21.80 min Scan# 3227
 Delta R.T. 0.01 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	32.9	23.9	35.9
229	23.8	15.6	23.4

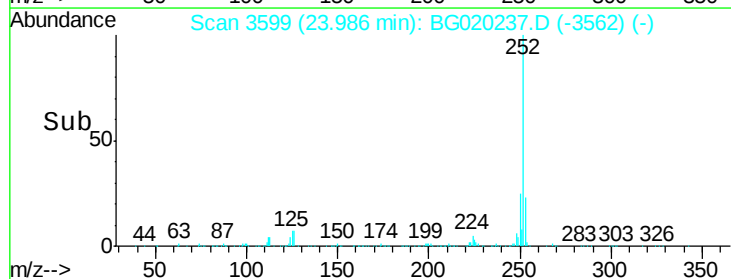
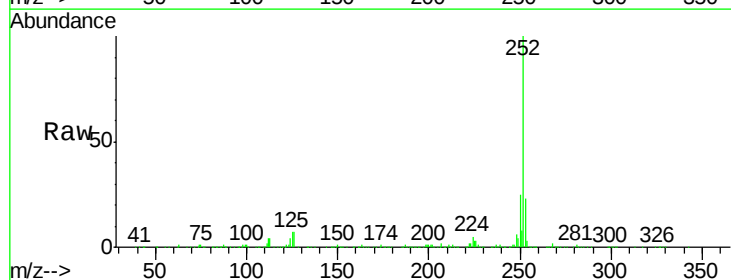
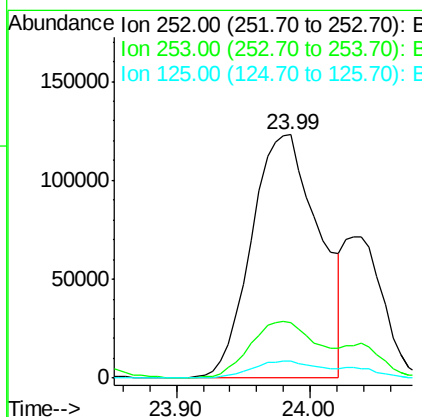
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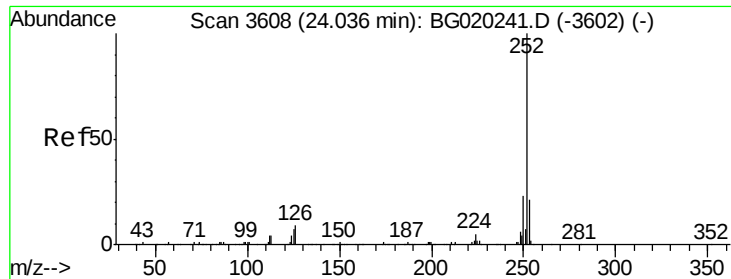
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#88
 Benzo(b)fluoranthene
 Concen: 37.98 ng/ul
 RT: 23.99 min Scan# 3599
 Delta R.T. 0.02 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.9	16.7	25.1
125	6.9	6.2	9.2





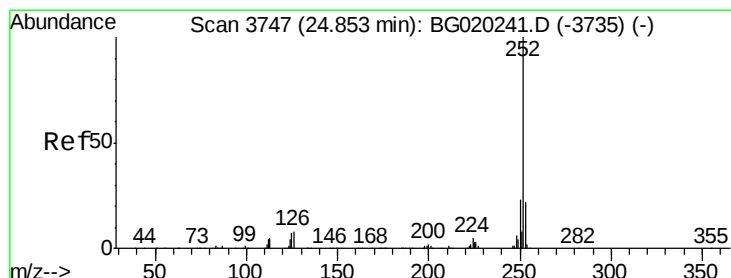
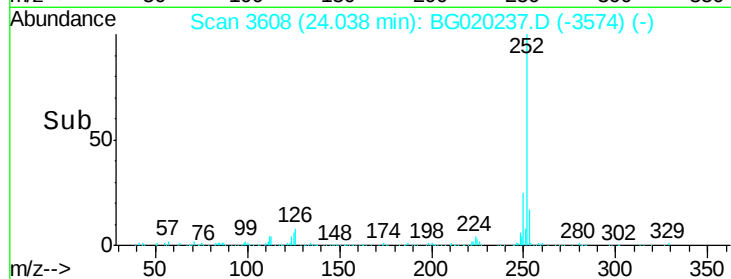
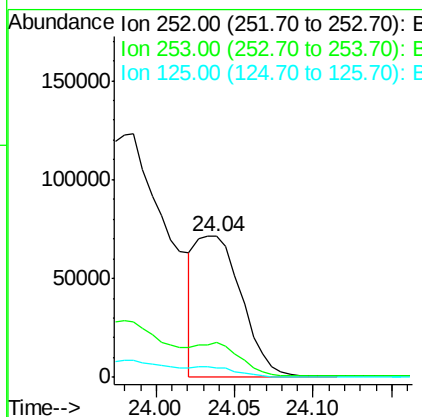
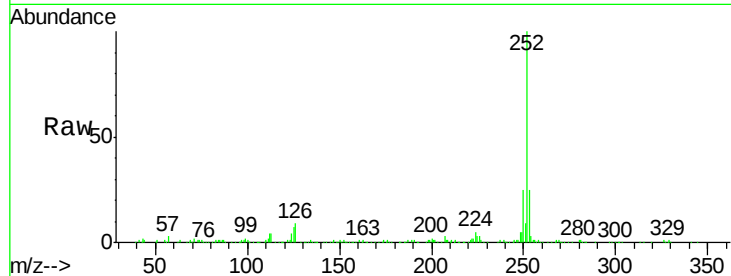
#89
Benzo(k)fluoranthene
Concen: 13.41 ng/ul m
RT: 24.04 min Scan# 3608
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	145713		
253	24.5	17.9	26.9	
125	6.5	5.8	8.6	

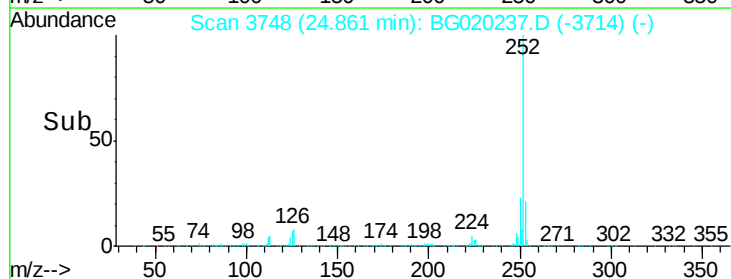
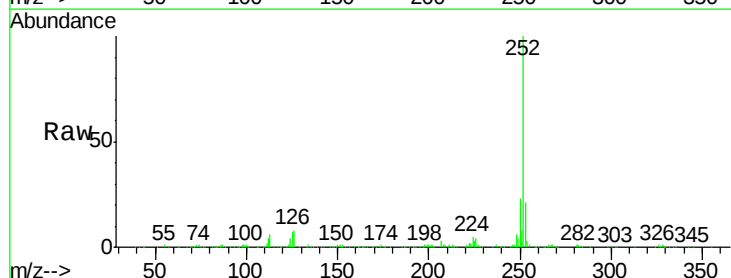
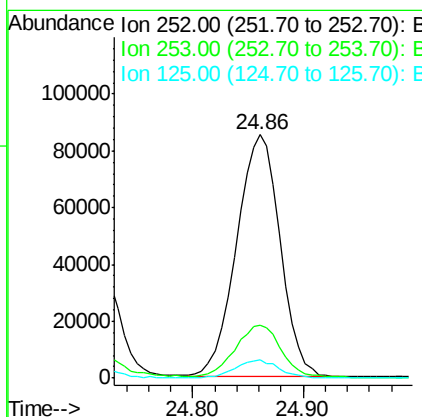
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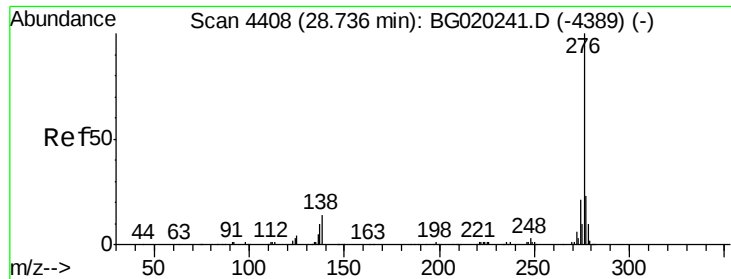
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#91
Benzo(a)pyrene
Concen: 21.97 ng/ul
RT: 24.86 min Scan# 3748
Delta R.T. 0.00 min
Lab File: BG020237.D
Acq: 17 Dec 2015 1:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	235769		
253	21.5	17.0	25.4	
125	7.5	6.2	9.4	





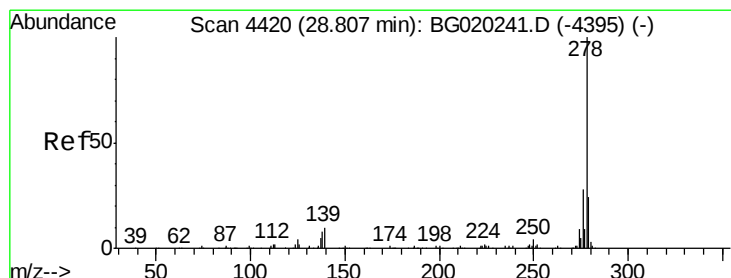
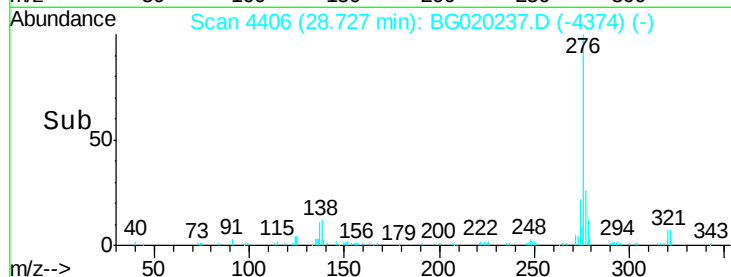
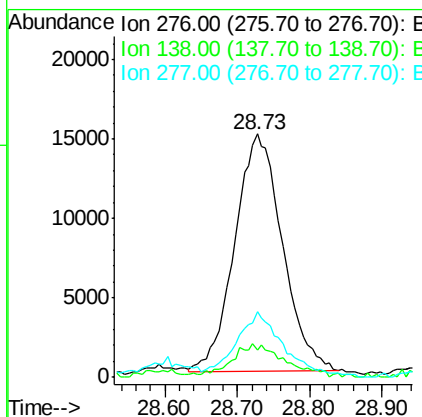
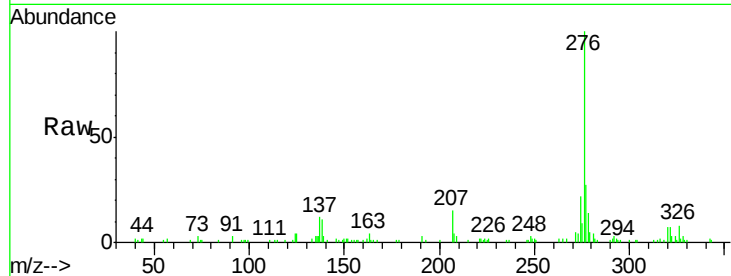
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 5.35 ng/ul
 RT: 28.73 min Scan# 4406
 Delta R.T. -0.01 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.3	11.4	17.0#
277	27.1	17.4	26.0#

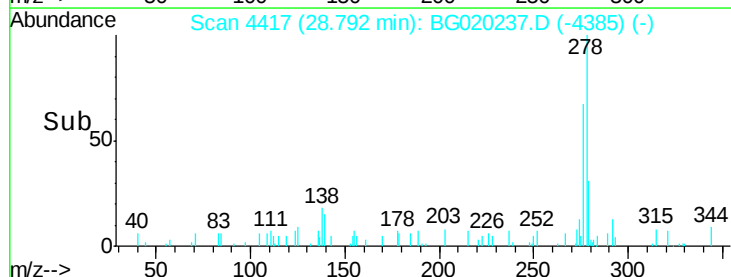
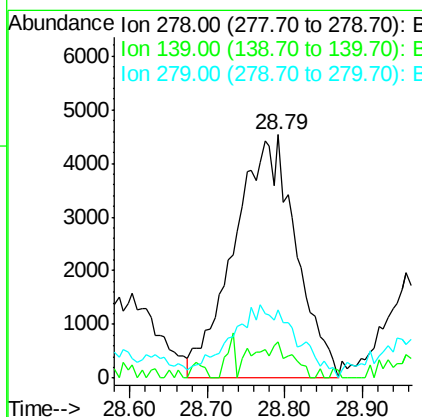
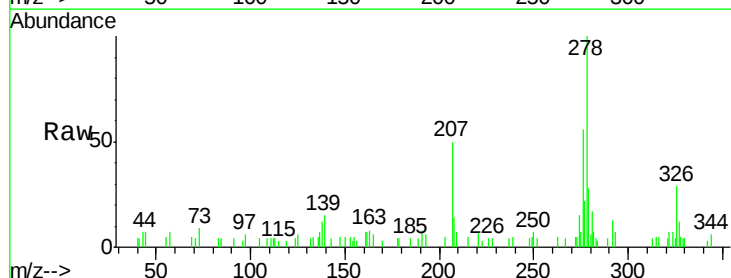
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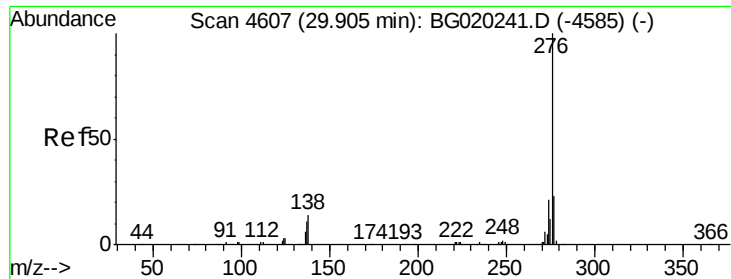
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.35 ng/ul m
 RT: 28.79 min Scan# 4417
 Delta R.T. -0.01 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	9.4	14.2#
279	28.2	19.4	29.0





#94
 Benzo(g,h,i)perylene
 Concen: 4.95 ng/ul m
 RT: 29.89 min Scan# 4604
 Delta R.T. -0.02 min
 Lab File: BG020237.D
 Acq: 17 Dec 2015 1:28

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Tgt Ion:	276	Resp:	51838
Ion Ratio		Lower	Upper
276	100		
138	15.4	10.8	16.2
277	22.4	19.9	29.9

Manual Integrations
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