

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020244.D
 Acq On : 17 Dec 2015 6:03
 Operator : UM/SJ
 Sample : G4767-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

Manual Integrations
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 12/17/2015 12:00:38 PM

Quant Time: Dec 18 10:26:43 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 17 06:39:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	28181	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	114182	20.00	ng/ul	0.08
36) Acenaphthene-d10	14.78	164	116467m	20.00	ng/ul	0.05
62) Phenanthrene-d10	17.57	188	135138m	20.00	ng/ul	0.10
78) Chrysene-d12	21.80	240	186764	20.00	ng/ul	0.06
86) Perylene-d12	25.07	264	177921	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1264	2.48	ng/uL	0.00
5) Phenol-d5	7.25	99	44468	17.90	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	28797	19.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	36022	19.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	38348	18.04	ng/ul	0.00
19) Nitrobenzene-d5	9.28	128	21504	24.16	ng/ul	0.01
22) 2-Nitrophenol-d4	10.01	143	21937	22.15	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.55	165	39519	19.70	ng/ul	0.02
29) 4-Chloroaniline-d4	11.11	131	62334	27.66	ng/ul	0.06
44) Dimethylphthalate-d6	14.17	166	104888	11.13	ng/ul	0.04
47) Acenaphthylene-d8	14.44	160	129810	11.84	ng/ul	0.02
52) 4-Nitrophenol-d4	14.97	143	20797	12.31	ng/ul	0.05
58) Fluorene-d10	15.74	176	101630m	11.89	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.57	188	135236m	21.72	ng/ul	0.00
79) Pyrene-d10	19.90	212	160871m	18.48	ng/ul	0.05
90) Benzo(a)pyrene-d12	24.84	264	162025	18.26	ng/ul	0.06

Target Compounds

						Qvalue
14) Acetophenone	8.93	105	9677	2.91	ng/ul	88
24) 2,4-Dimethylphenol	10.08	107	19922	8.26	ng/ul	94
28) Naphthalene	11.11	128	14578715	2444.95	ng/ul#	23
34) 2-Methylnaphthalene	12.64	142	7278963	1598.15	ng/ul	95
35) 1-Methylnaphthalene	12.85	142	4314618	985.36	ng/ul#	92
41) 1,1'-Biphenyl	13.60	154	3610568	410.91	ng/ul#	72
45) Dimethylphthalate	14.23	163	44461m	4.62	ng/ul	
48) Acenaphthylene	14.48	152	1728470	148.44	ng/ul#	86
50) Acenaphthene	14.90	153	10925843	1394.55	ng/ul#	77
54) Dibenzofuran	15.21	168	8430115	723.32	ng/ul#	39
59) Fluorene	15.88	166	8792588m	939.46	ng/ul	
70) Phenanthrene	17.64	178	18250748m	2469.04	ng/ul	
72) Anthracene	17.73	178	3191157m	425.64	ng/ul	
75) Carbazole	17.93	167	2895533	459.64	ng/ul#	75
77) Fluoranthene	19.62	202	12820121m	1484.00	ng/ul	
80) Pyrene	20.00	202	10505853m	929.42	ng/ul	
83) Benzo(a)anthracene	21.79	228	5339591	489.98	ng/ul#	54
85) Chrysene	21.88	228	4469646	435.49	ng/ul#	54
88) Benzo(b)fluoranthene	24.06	252	3746753	349.88	ng/ul#	88
89) Benzo(k)fluoranthene	24.11	252	1276047m	124.17	ng/ul	
91) Benzo(a)pyrene	24.95	252	2253471	221.99	ng/ul	94
92) Indeno(1,2,3-cd)pyrene	28.81	276	762869	63.11	ng/ul	94
93) Dibenzo(a,h)anthracene	28.85	278	223077	22.23	ng/ul	95

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 17 06:39:33 2015
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	29.99	276	576715	58.20	ng/ul	98

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

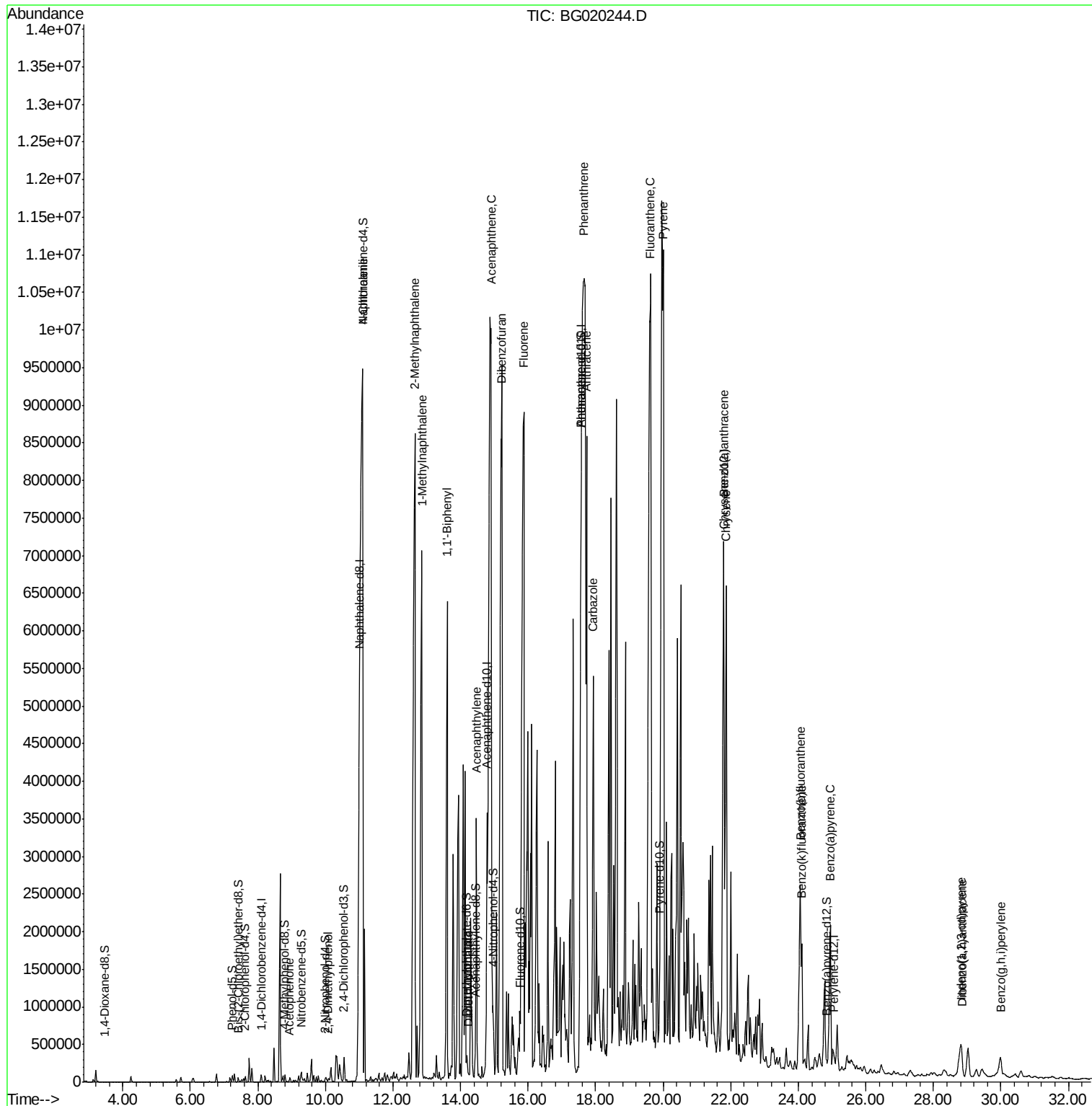
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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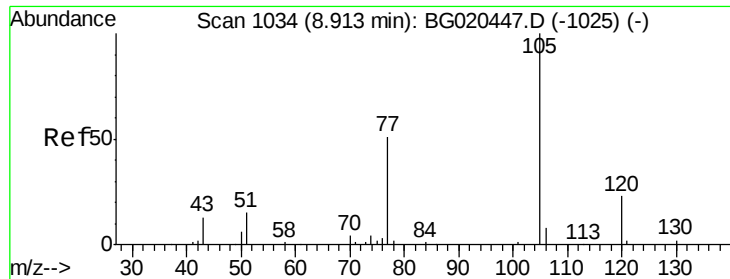
Instrument :
BNA_G
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#14

Acetophenone

Concen: 2.91 ng/ul

RT: 8.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BG020244.D

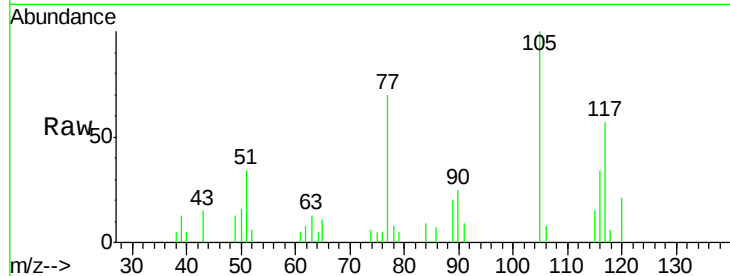
Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

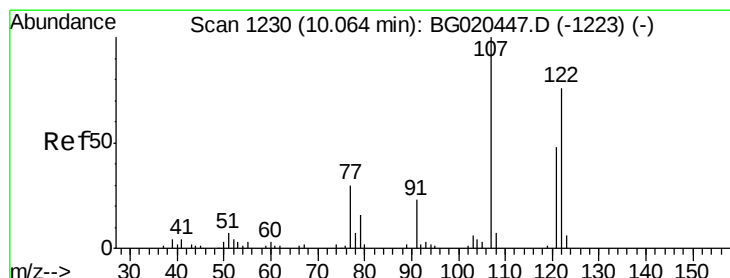
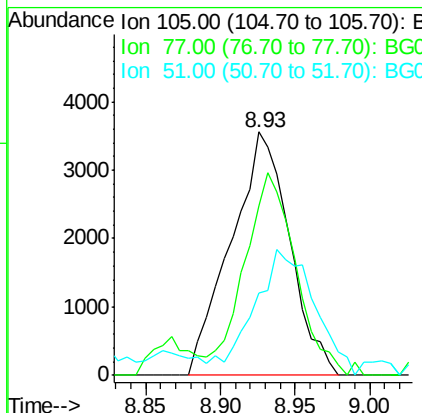
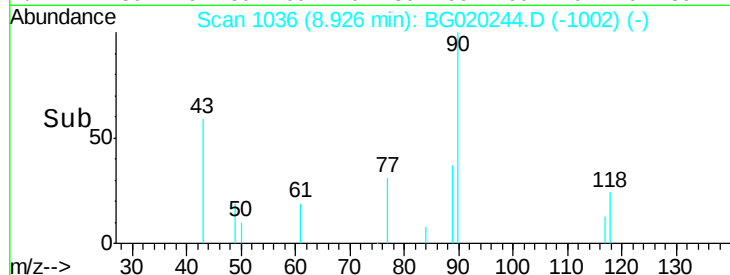
D9N37



Tgt Ion:	105	Resp:	9677
Ion Ratio	Lower	Upper	
105	100		
77	69.7	65.2	97.8
51	33.7	22.6	33.8

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#24

2,4-Dimethylphenol

Concen: 8.26 ng/ul

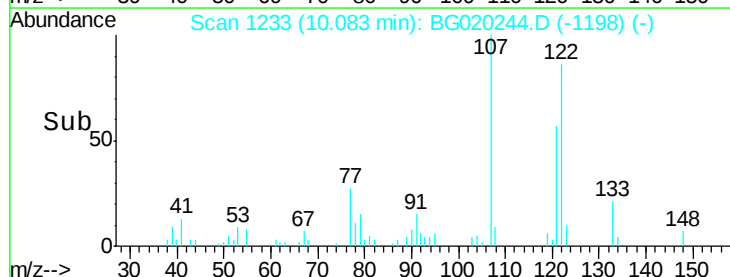
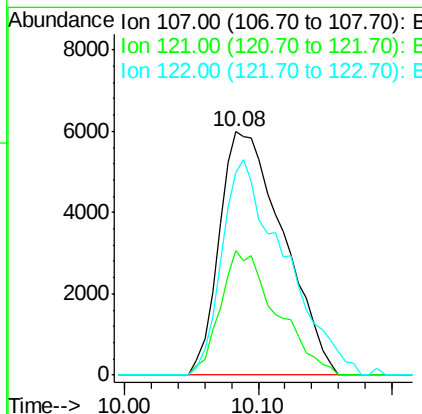
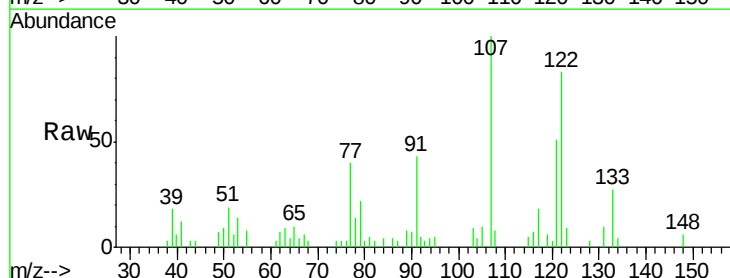
RT: 10.08 min Scan# 1233

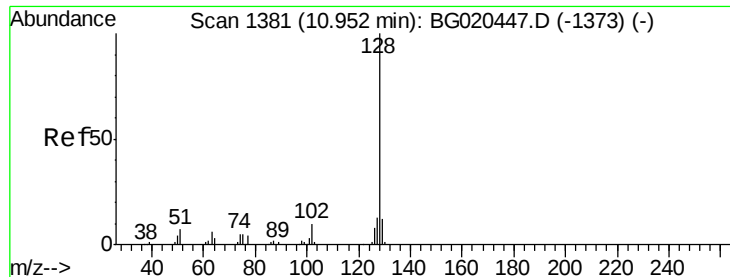
Delta R.T. 0.01 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Tgt Ion:	107	Resp:	19922
Ion Ratio	Lower	Upper	
107	100		
121	51.4	39.0	58.4
122	83.3	62.1	93.1





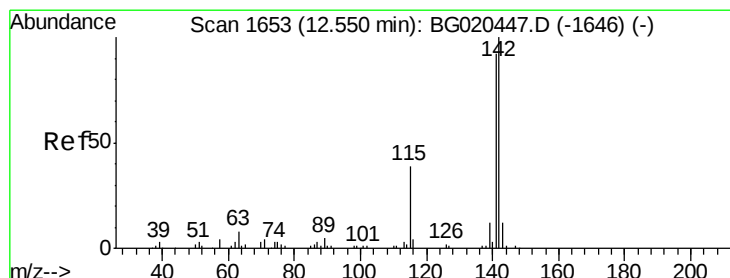
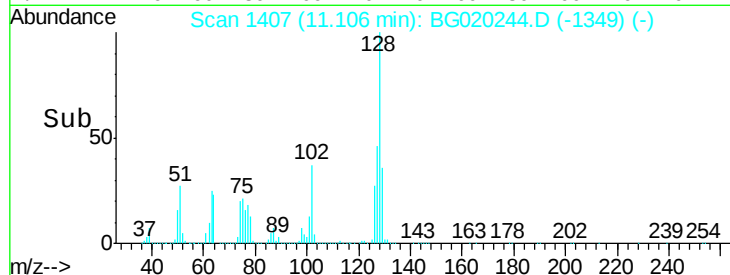
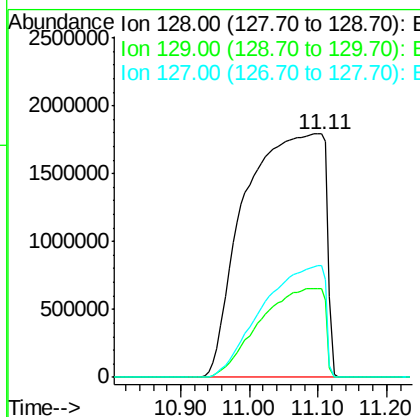
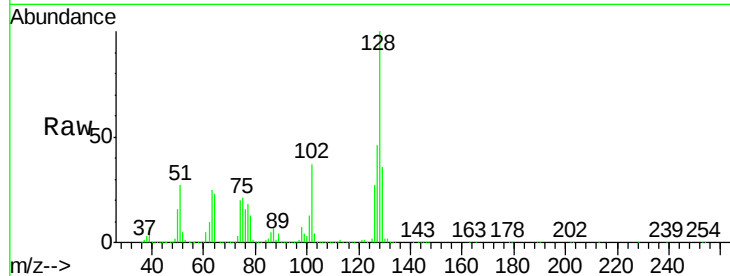
#28
Naphthalene
Concen: 2444.95 ng/ul
RT: 11.11 min Scan# 1407
Delta R.T. 0.14 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Instrument :
BNA_G
ClientSampleId :
D9N37

Tgt Ion:128 Resp:14578715
Ion Ratio Lower Upper
128 100
129 36.2 8.6 12.8#
127 46.0 10.1 15.1#

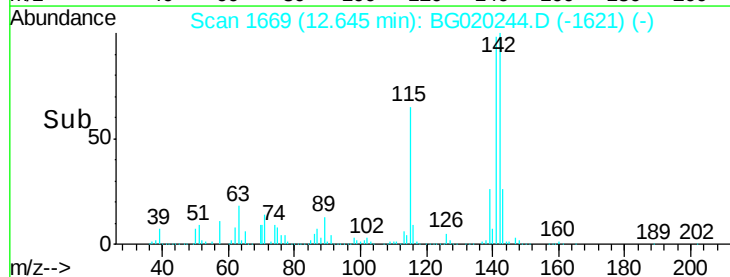
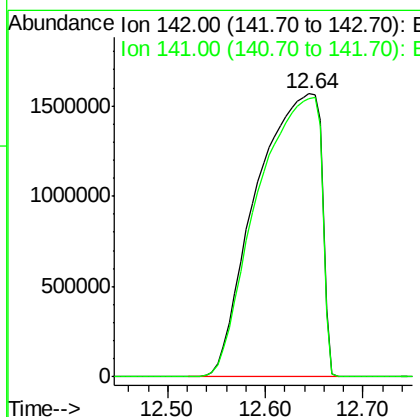
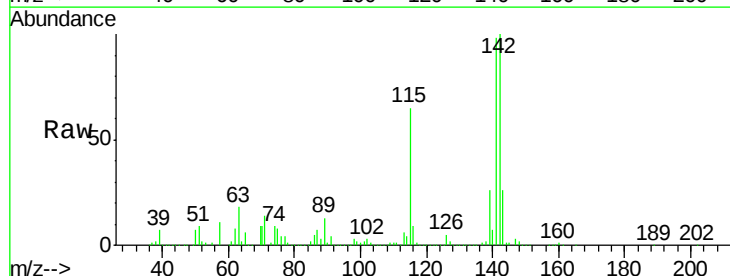
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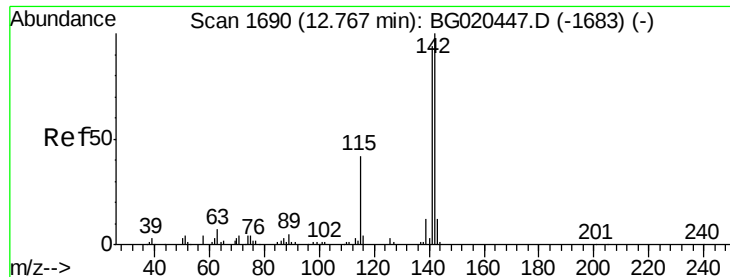
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#34
2-Methylnaphthalene
Concen: 1598.15 ng/ul
RT: 12.64 min Scan# 1669
Delta R.T. 0.08 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion:142 Resp: 7278963
Ion Ratio Lower Upper
142 100
141 98.4 74.9 112.3





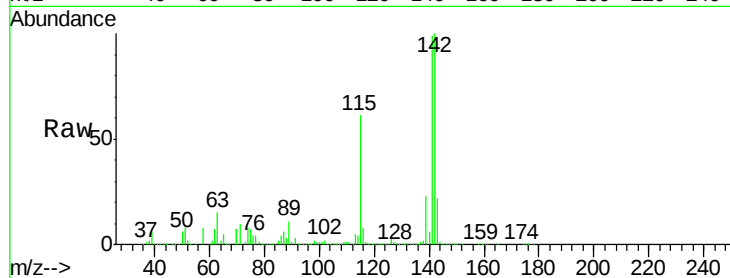
#35
 1-Methylnaphthalene
 Concen: 985.36 ng/ul
 RT: 12.85 min Scan# 1704
 Delta R.T. 0.07 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

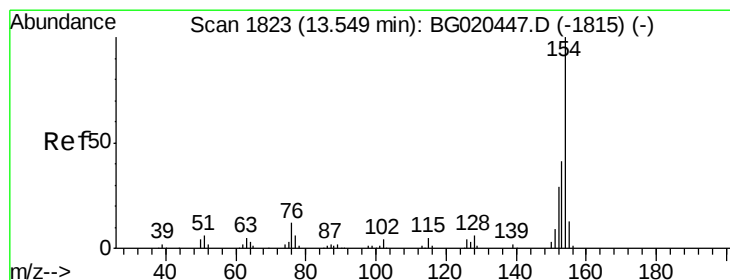
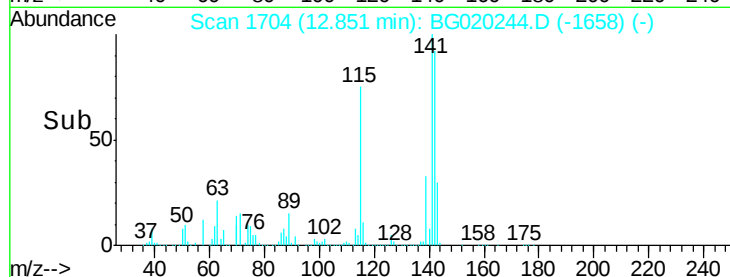
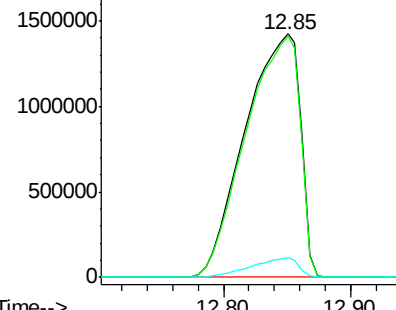
Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.1	73.0	109.6
116	8.1	3.0	4.6

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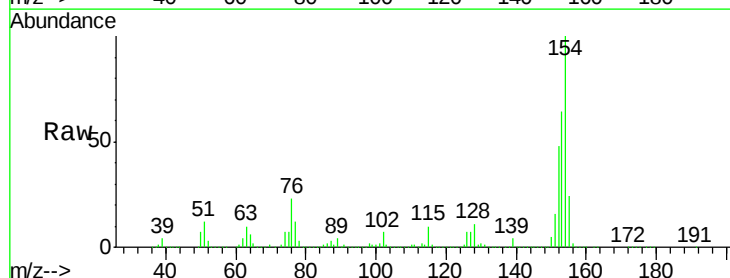


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

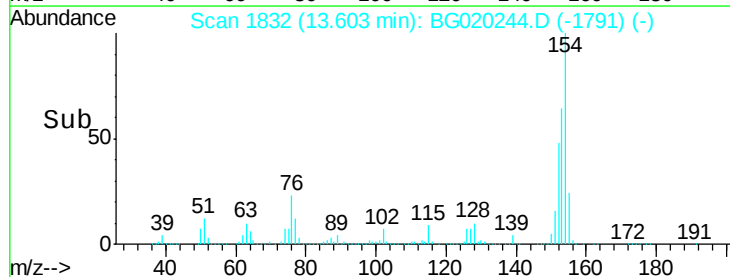
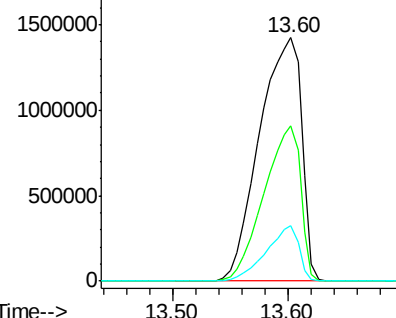


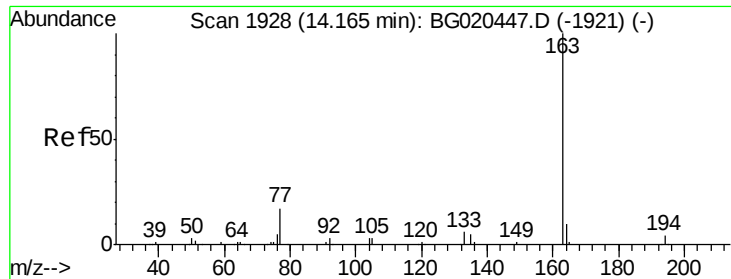
#41
 1,1'-Biphenyl
 Concen: 410.91 ng/ul
 RT: 13.60 min Scan# 1832
 Delta R.T. 0.04 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	63.5	35.5	53.3
76	22.8	10.4	15.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGO





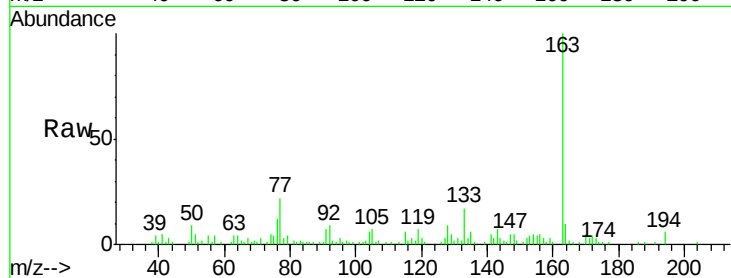
#45
Dimethylphthalate
Concen: 4.62 ng/ul m
RT: 14.23 min Scan# 1938
Delta R.T. 0.05 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

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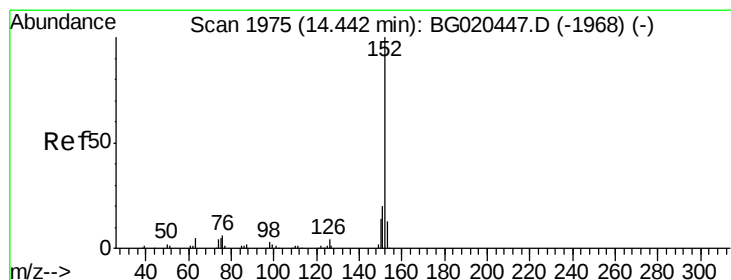
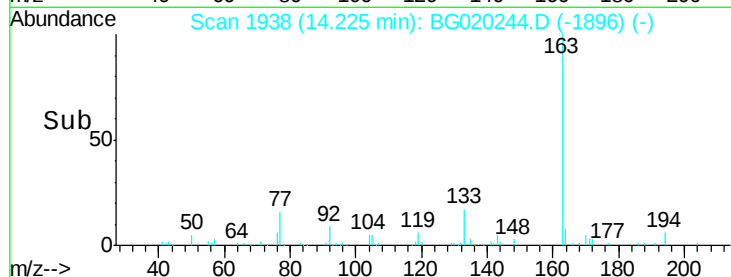
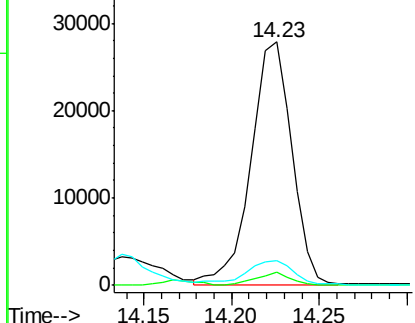
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	10.3	7.7	11.5

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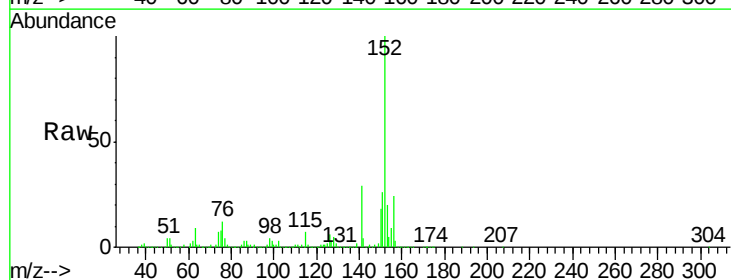


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

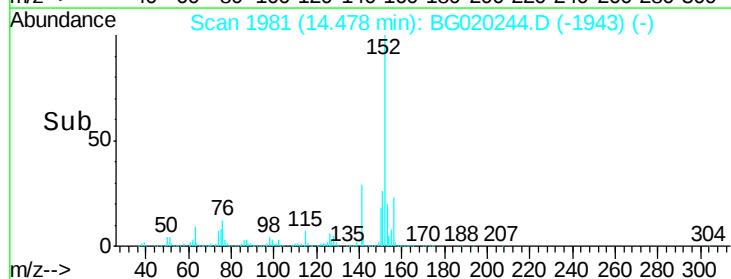
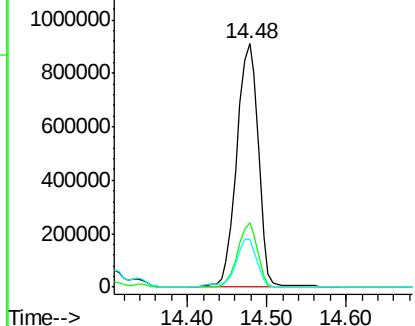


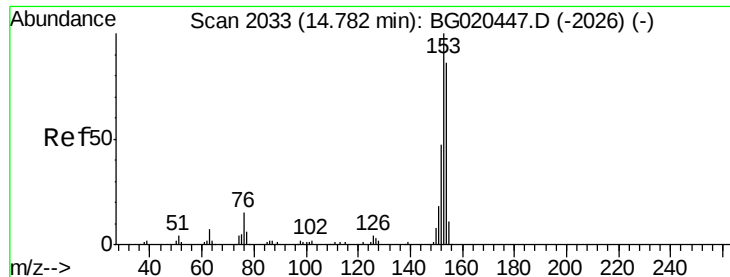
#48
Acenaphthylene
Concen: 148.44 ng/ul
RT: 14.48 min Scan# 1981
Delta R.T. 0.03 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.2	16.4	24.6#
153	19.8	10.4	15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 1394.55 ng/ul

RT: 14.90 min Scan# 2053

Delta R.T. 0.11 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:153 Resp:10925843

Ion Ratio Lower Upper

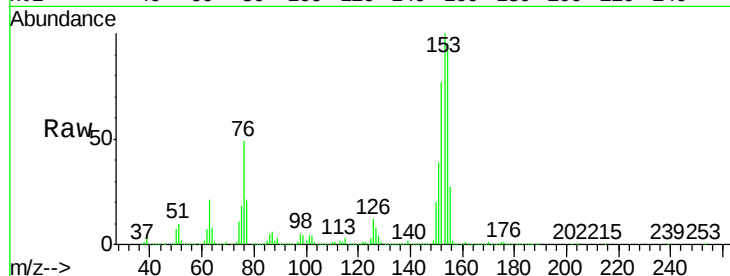
153 100

152 76.6 37.6 56.4#

154 94.6 67.9 101.9

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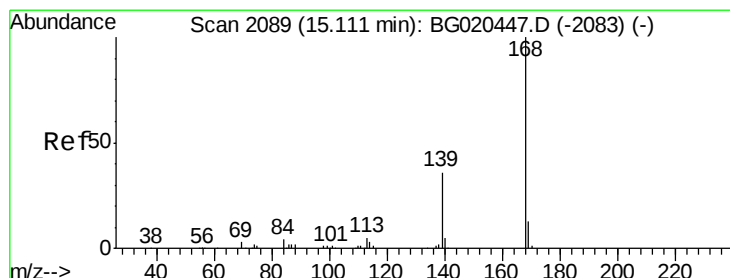
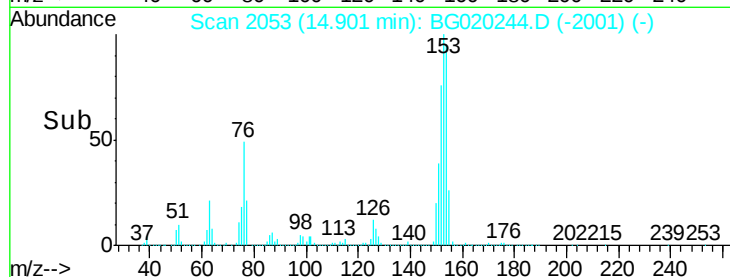
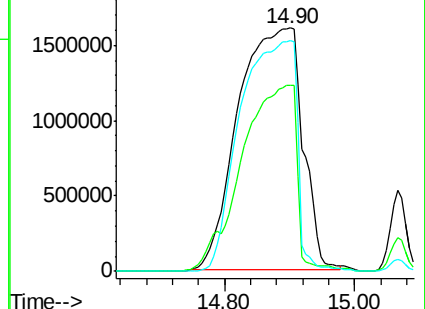
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 723.32 ng/ul

RT: 15.21 min Scan# 2106

Delta R.T. 0.09 min

Lab File: BG020244.D

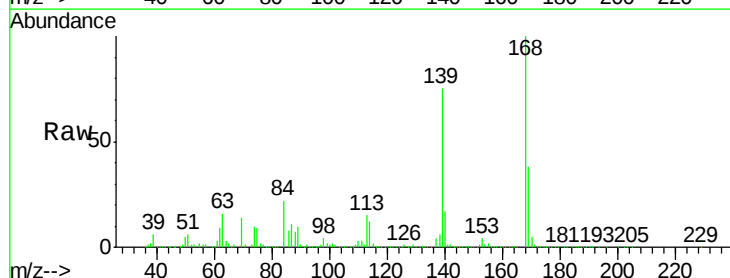
Acq: 17 Dec 2015 6:03

Tgt Ion:168 Resp: 8430115

Ion Ratio Lower Upper

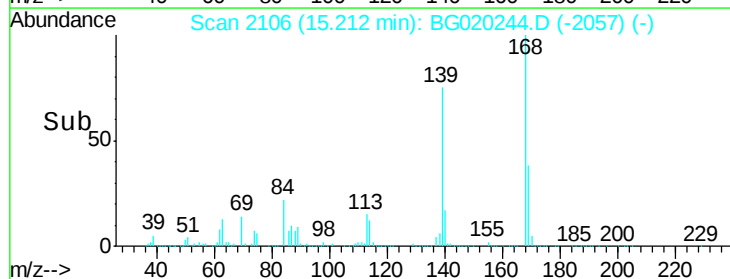
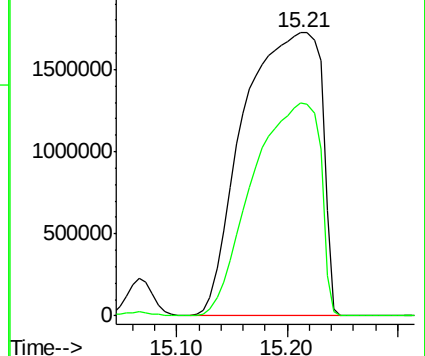
168 100

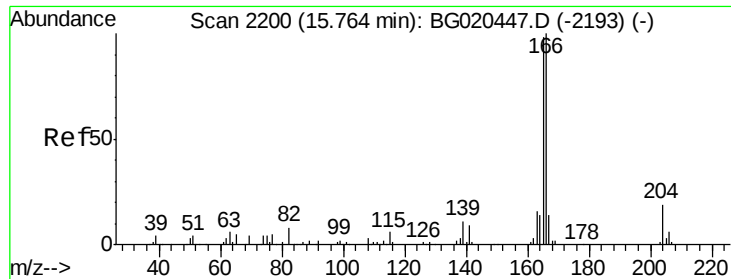
139 75.2 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 939.46 ng/ul m

RT: 15.88 min Scan# 2219

Delta R.T. 0.10 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:166 Resp: 8792588

Ion Ratio Lower Upper

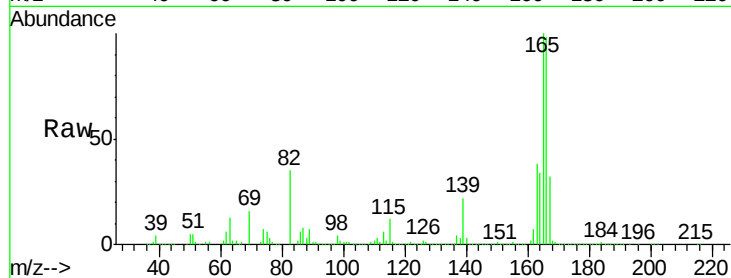
166 100

165 101.9 81.4 122.0

167 32.4 11.2 16.8#

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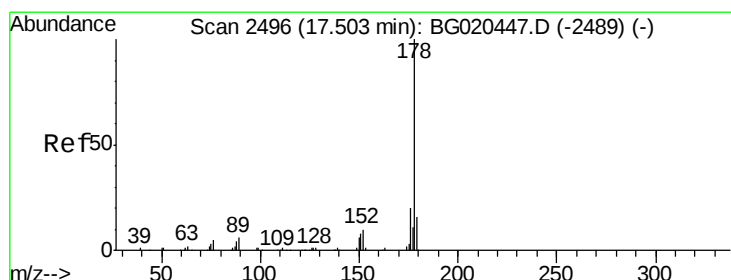
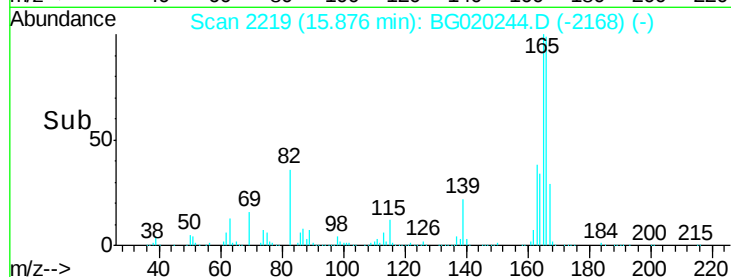
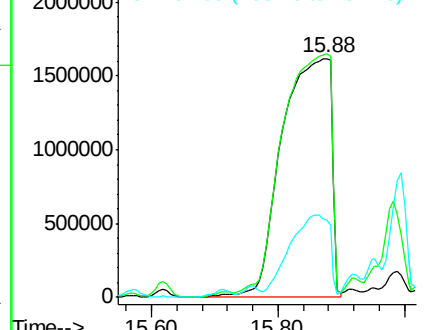
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 2469.04 ng/ul m

RT: 17.64 min Scan# 2519

Delta R.T. 0.12 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

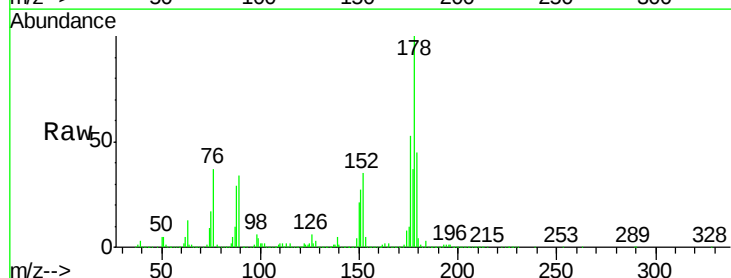
Tgt Ion:178 Resp:18250748

Ion Ratio Lower Upper

178 100

179 44.9 12.9 19.3#

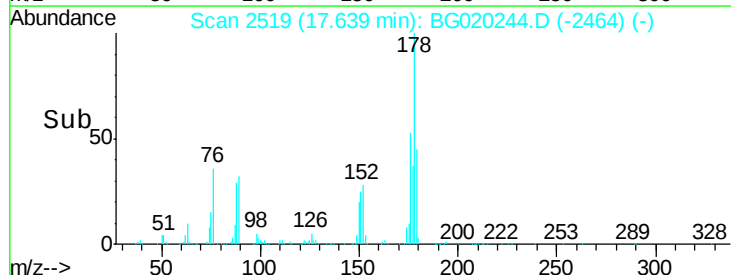
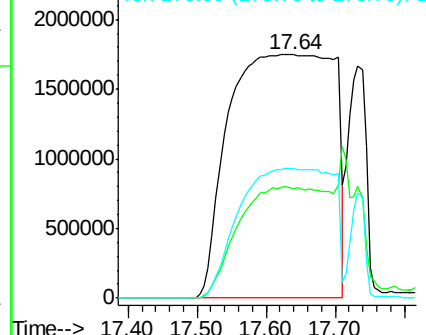
176 53.2 15.3 22.9#

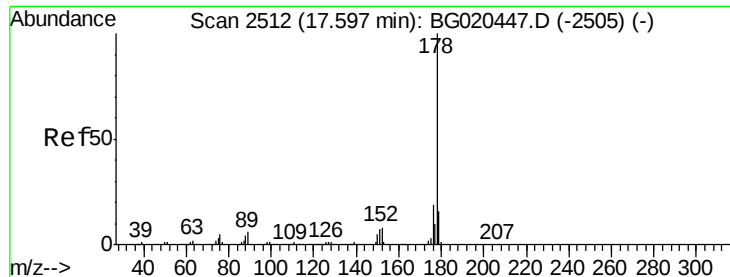


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 425.64 ng/ul m

RT: 17.73 min Scan# 2535

Delta R.T. 0.13 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

Tgt Ion:178 Resp: 3191157

Ion Ratio Lower Upper

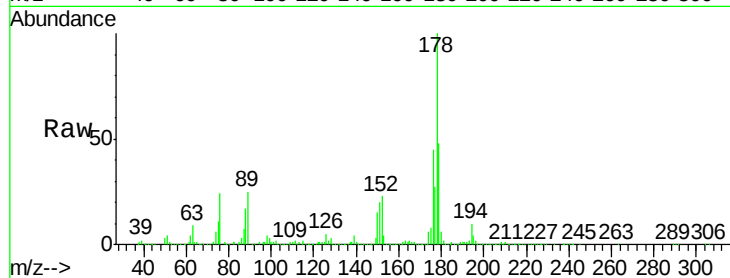
178 100

179 48.3 12.3 18.5#

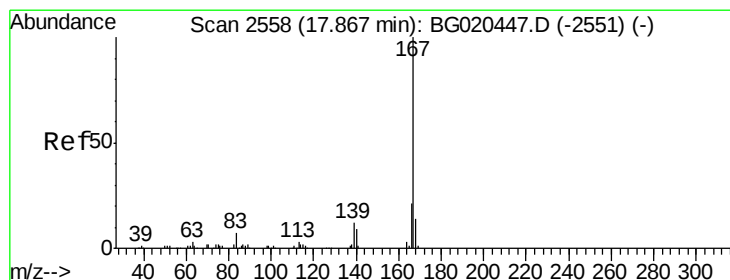
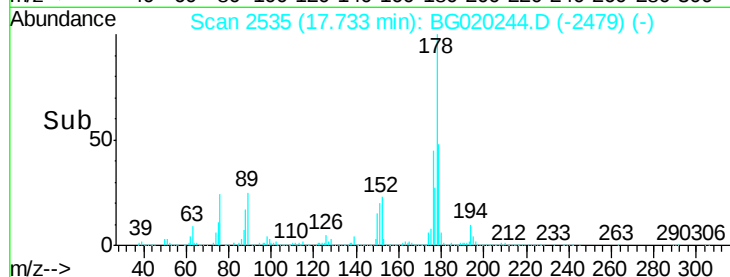
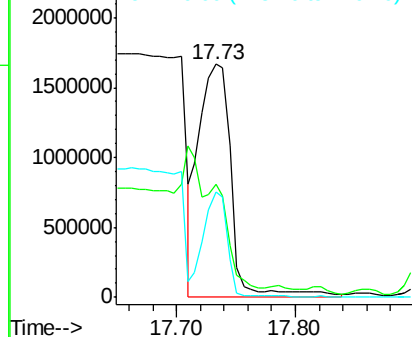
176 45.3 14.3 21.5#

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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: 459.64 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. 0.06 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

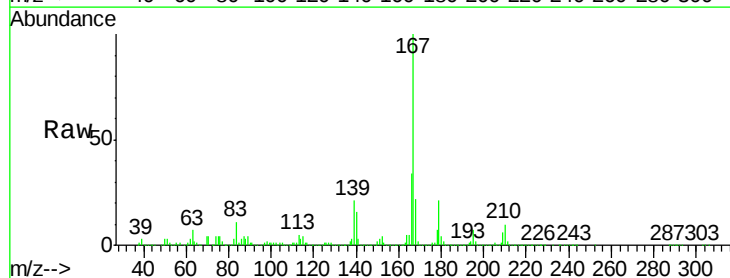
Tgt Ion:167 Resp: 2895533

Ion Ratio Lower Upper

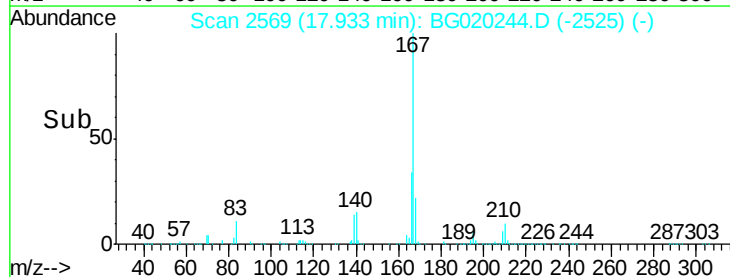
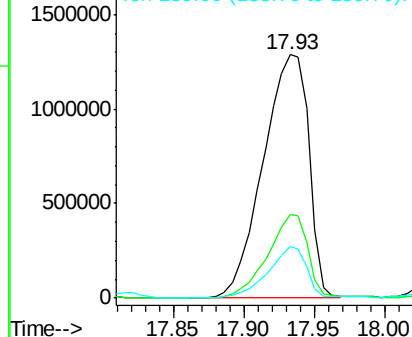
167 100

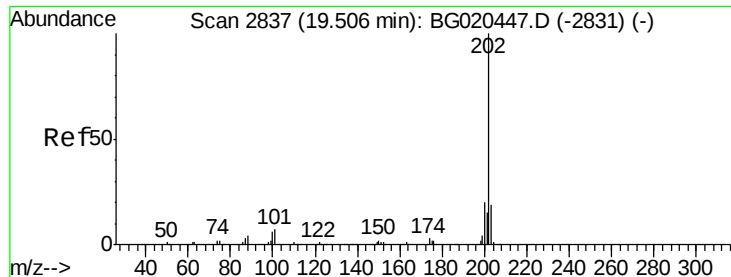
166 34.3 17.0 25.6#

139 21.0 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





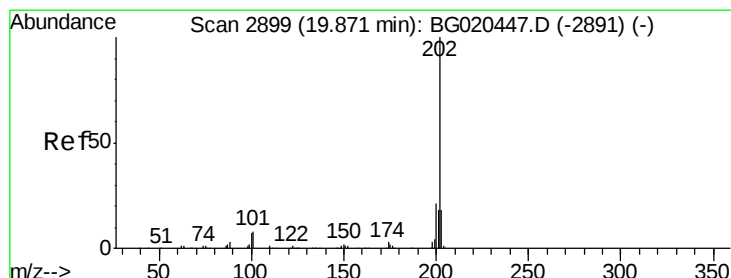
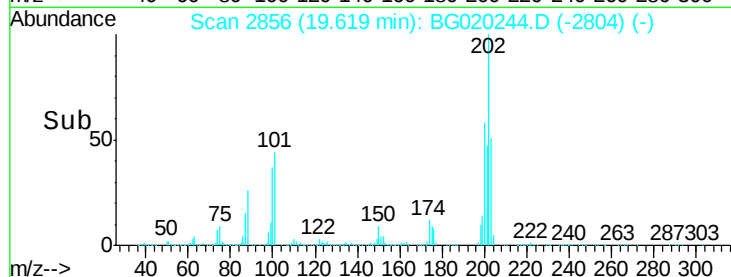
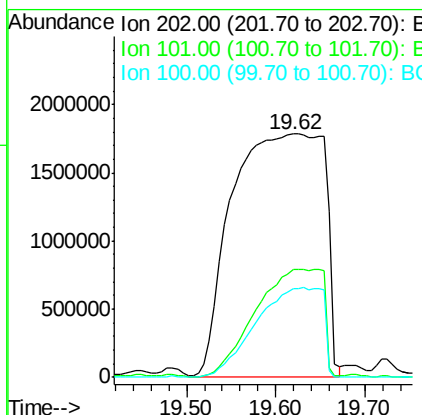
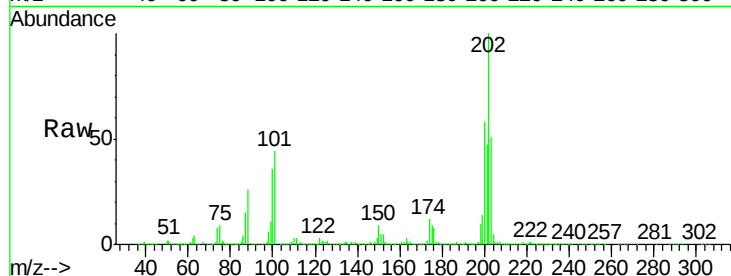
#77
 Fluoranthene
 Concen: 1484.00 ng/ul m
 RT: 19.62 min Scan# 2856
 Delta R.T. 0.11 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

Tgt Ion:202 Resp:12820121
 Ion Ratio Lower Upper
 202 100
 101 44.1 6.2 9.4#
 100 36.4 5.1 7.7#

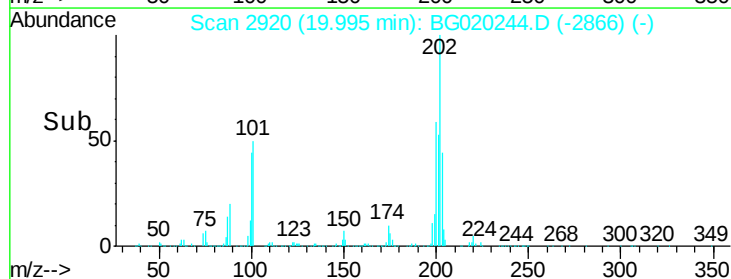
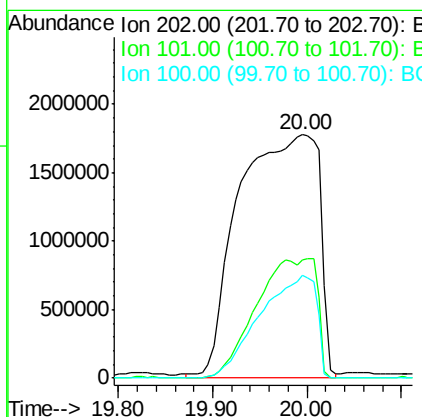
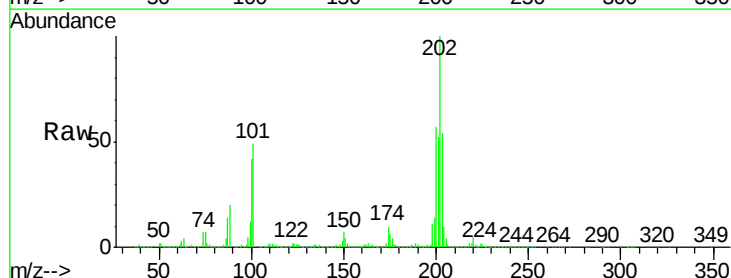
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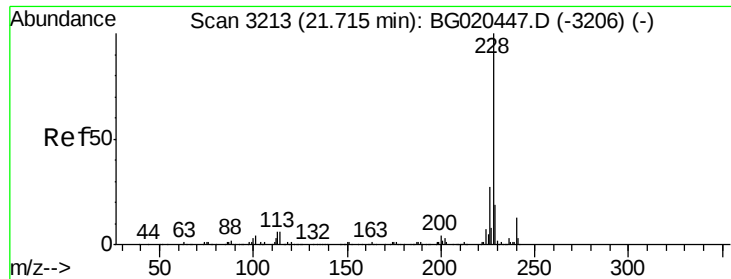
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#80
 Pyrene
 Concen: 929.42 ng/ul m
 RT: 20.00 min Scan# 2920
 Delta R.T. 0.12 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Tgt Ion:202 Resp:10505853
 Ion Ratio Lower Upper
 202 100
 101 48.6 7.0 10.4#
 100 42.0 6.4 9.6#





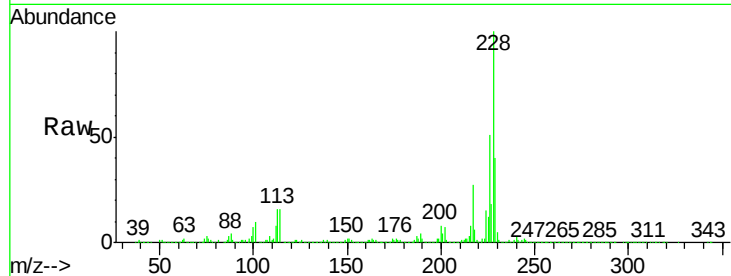
#83
Benzo(a)anthracene
Concen: 489.98 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.07 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Instrument :
BNA_G
ClientSampleId :
D9N37

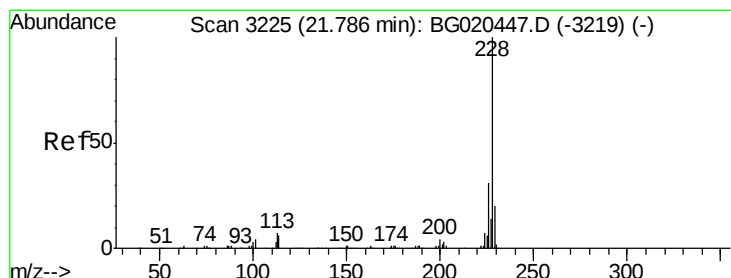
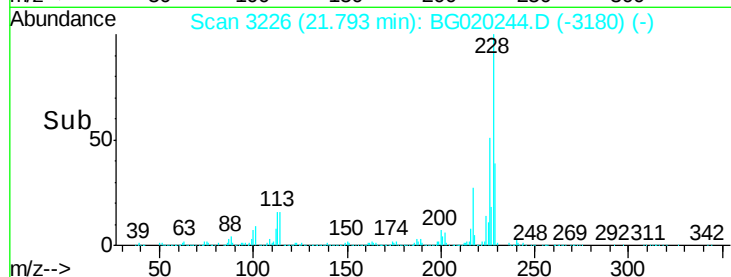
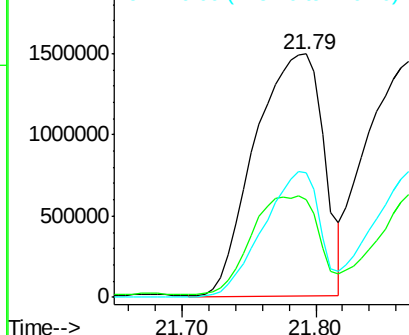
Tgt Ion:228 Resp: 5339591
Ion Ratio Lower Upper
228 100
229 40.2 15.8 23.8#
226 51.3 21.8 32.6#

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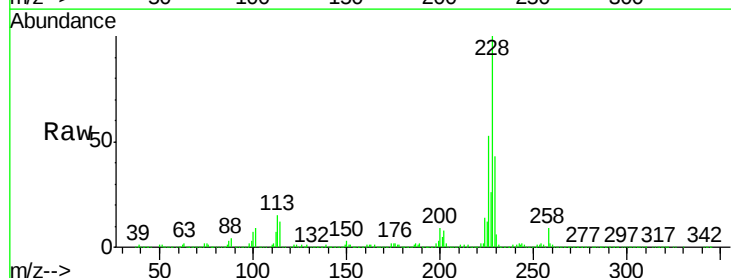


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

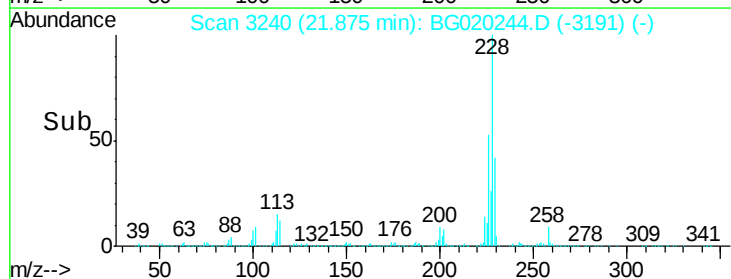
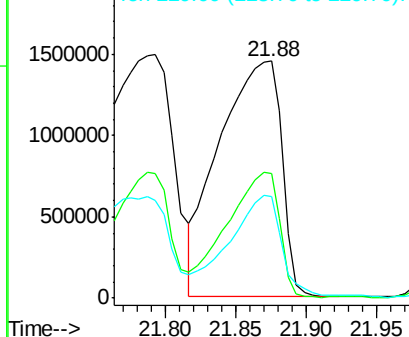


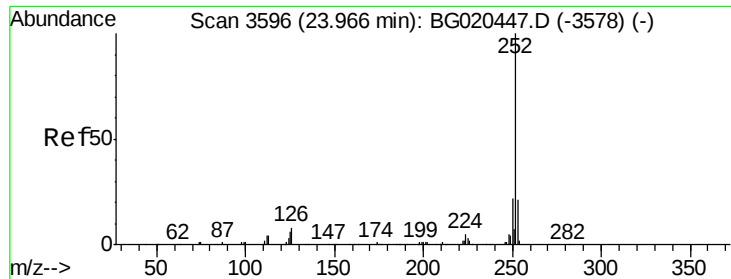
#85
Chrysene
Concen: 435.49 ng/ul
RT: 21.88 min Scan# 3240
Delta R.T. 0.09 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion:228 Resp: 4469646
Ion Ratio Lower Upper
228 100
226 52.9 23.9 35.9#
229 42.7 15.6 23.4#



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





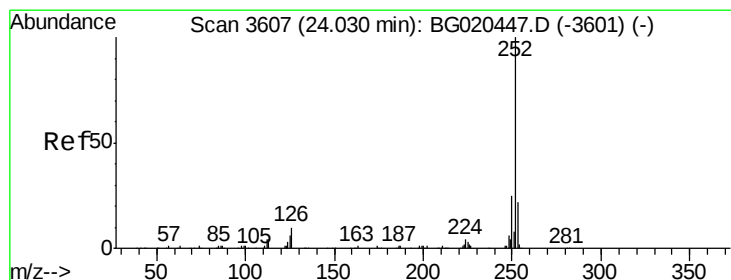
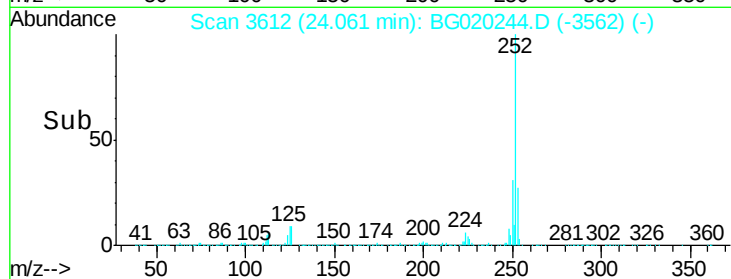
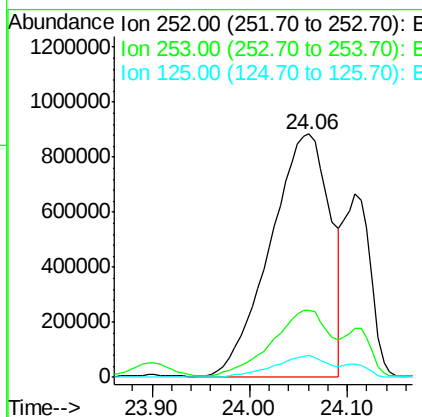
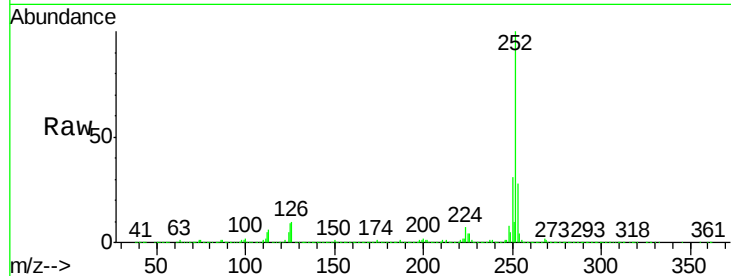
#88
Benzo(b)fluoranthene
Concen: 349.88 ng/ul
RT: 24.06 min Scan# 3612
Delta R.T. 0.10 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Instrument :
BNA_G
ClientSampleId :
D9N37

Tgt Ion:252 Resp: 3746753
Ion Ratio Lower Upper
252 100
253 27.7 16.7 25.1#
125 8.9 6.2 9.2

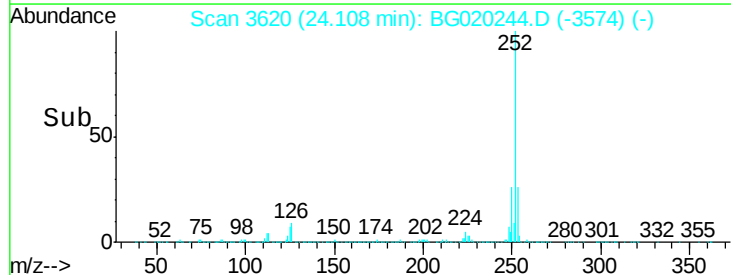
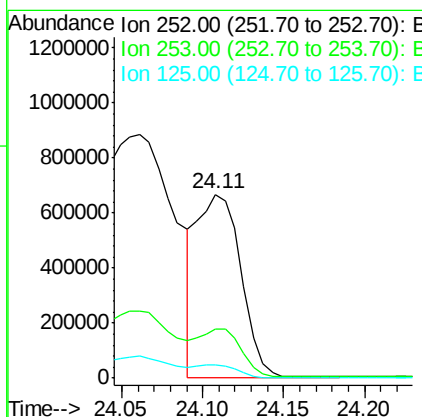
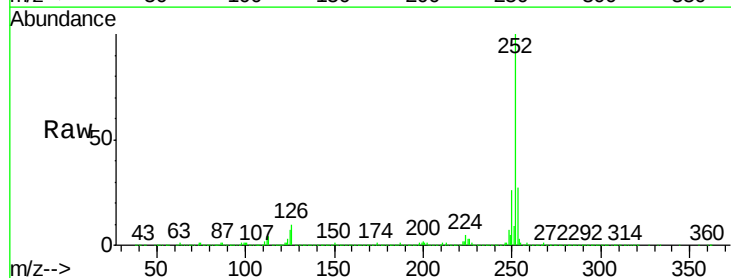
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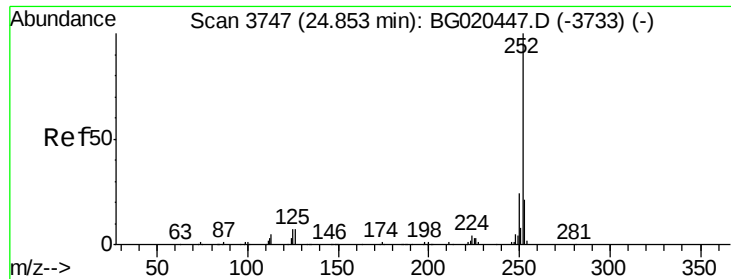
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#89
Benzo(k)fluoranthene
Concen: 124.17 ng/ul m
RT: 24.11 min Scan# 3620
Delta R.T. 0.07 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion:252 Resp: 1276047
Ion Ratio Lower Upper
252 100
253 26.6 17.9 26.9
125 7.2 5.8 8.6





#91

Benzo(a)pyrene

Concen: 221.99 ng/ul

RT: 24.95 min Scan# 3763

Delta R.T. 0.10 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

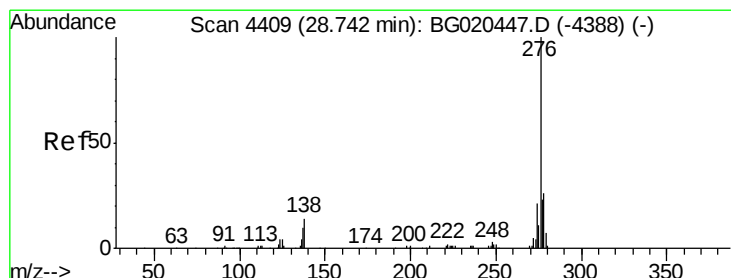
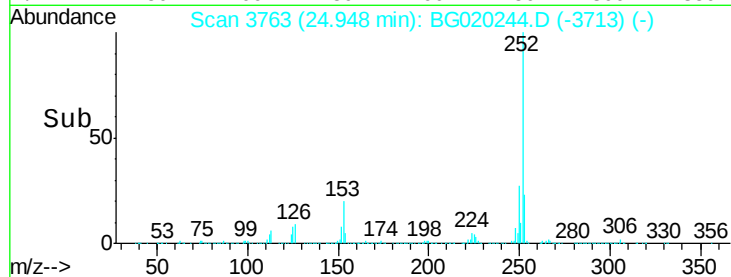
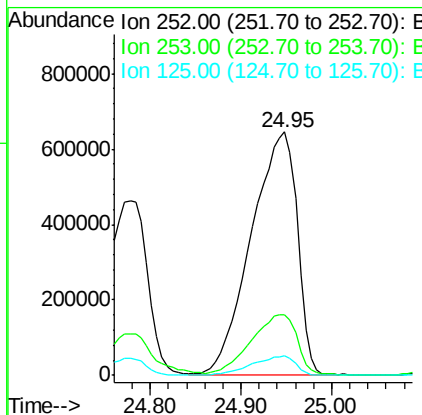
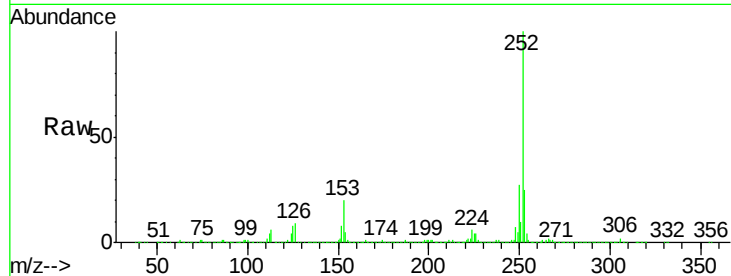
ClientSampleId :

D9N37

Tgt Ion:	252	Resp:	2253471
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.4
125	7.9	6.2	9.4

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#92

Indeno(1,2,3-cd)pyrene

Concen: 63.11 ng/ul

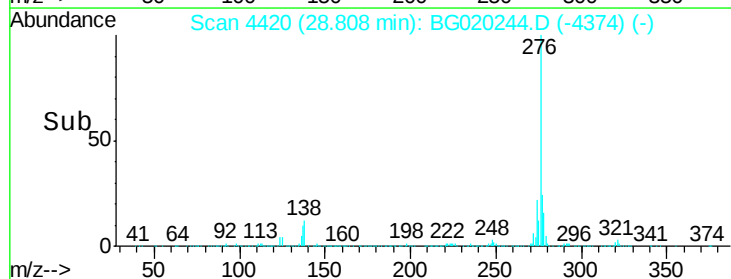
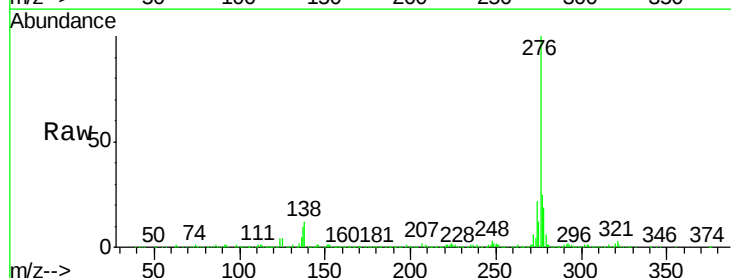
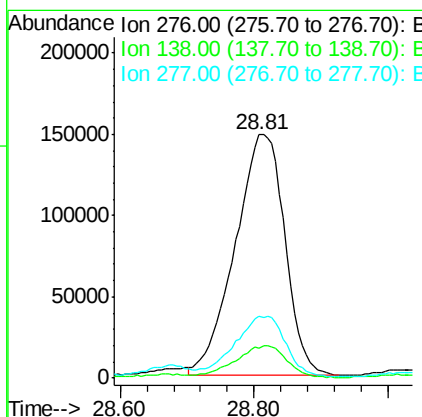
RT: 28.81 min Scan# 4420

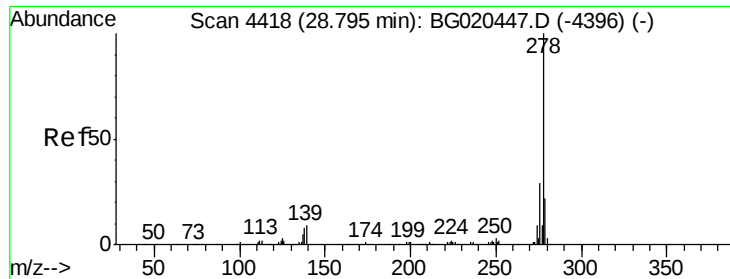
Delta R.T. 0.07 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Tgt Ion:	276	Resp:	762869
Ion Ratio	Lower	Upper	
276	100		
138	12.4	11.4	17.0
277	25.3	17.4	26.0





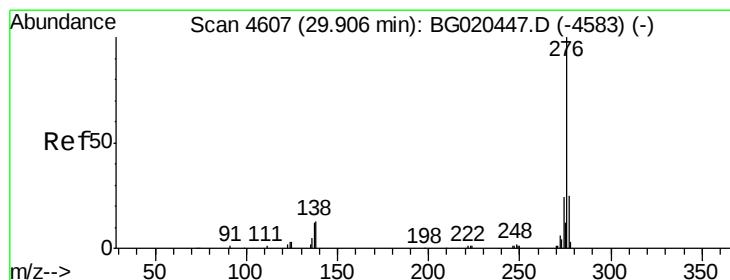
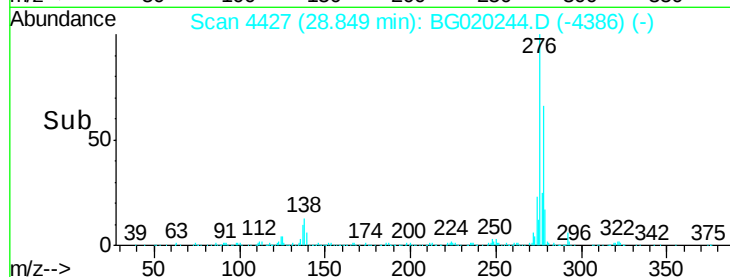
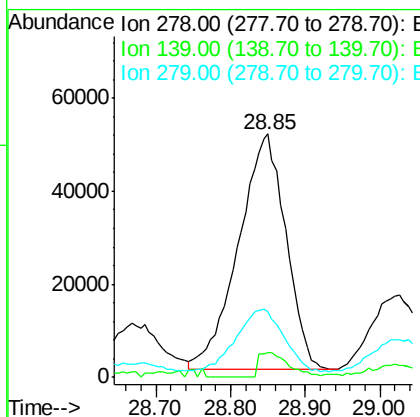
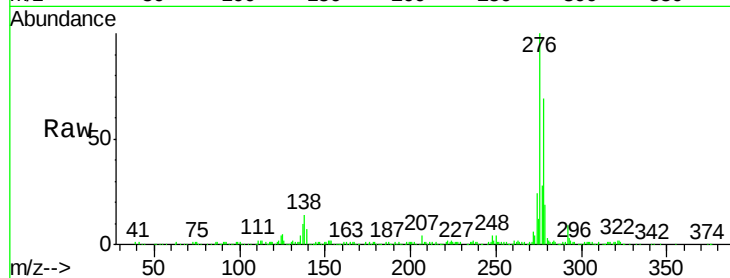
#93
Dibenzo(a,h)anthracene
Concen: 22.23 ng/ul
RT: 28.85 min Scan# 4427
Delta R.T. 0.04 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Instrument :
BNA_G
ClientSampleId :
D9N37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.1	9.4	14.2
279	27.0	19.4	29.0

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#94
Benzo(g,h,i)perylene
Concen: 58.20 ng/ul
RT: 29.99 min Scan# 4621
Delta R.T. 0.08 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.4	10.8	16.2
277	23.9	19.9	29.9

