

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

Quant Time: Dec 17 06:43:16 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	14.87	164	14517	20.00	ng/ul	0.14
62) Phenanthrene-d10	17.50	188	29810	20.00	ng/ul	0.04
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	89.32	ng/ul	0.04
47) Acenaphthylene-d8	14.44	160	129810	95.01	ng/ul	0.02
52) 4-Nitrophenol-d4	14.97	143	20797	98.75	ng/ul	0.05
58) Fluorene-d10	15.85	176	4021	3.78	ng/ul	0.14
63) 4,6-Dinitro-2-methylphenol	15.86	200	1195	6.76	ng/ul	0.03
71) Anthracene-d10	17.50	188	30980	22.55	ng/ul	-0.06
79) Pyrene-d10	19.90	212	80671	9.27	ng/ul	0.05
90) Benzo(a)pyrene-d12	24.84	264	162025	18.26	ng/ul	0.06

Target Compounds

					Qvalue
4) Benzaldehyde	7.23	77	2975	1.85 ng/ul#	1
6) Phenol	7.27	94	2787	1.05 ng/ul#	93
8) Bis(2-Chloroethyl)ether	7.53	93	11947	6.54 ng/ul#	25
14) Acetophenone	8.93	105	9677	2.91 ng/ul	88
17) Hexachloroethane	9.21	117	15581	19.59 ng/ul#	1
20) Nitrobenzene	9.37	77	2797	1.19 ng/ul#	23
24) 2,4-Dimethylphenol	10.08	107	19922	8.26 ng/ul	94
28) Naphthalene	11.11	128	14578715	2444.95 ng/ul#	23
30) 4-Chloroaniline	11.11	127	5153644	2240.27 ng/ul#	17
32) Caprolactam	11.92	113	897	1.23 ng/ul#	66
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	3296.69 ng/ul#	72
42) 2-Chloronaphthalene	13.73	162	53944	61.52 ng/ul#	49
43) 2-Nitroaniline	13.91	65	20494	68.74 ng/ul#	30
46) 2,6-Dinitrotoluene	14.43	165	2235	9.01 ng/ul#	10
48) Acenaphthylene	14.48	152	1728470	1190.89 ng/ul#	86
49) 3-Nitroaniline	14.78	138	7320	30.39 ng/ul#	86
50) Acenaphthene	14.90	153	10925843	11188.17 ng/ul#	77
53) 4-Nitrophenol	15.07	109	2138	10.55 ng/ul#	1
54) Dibenzofuran	15.21	168	8430115	5803.03 ng/ul#	39
55) 2,4-Dinitrotoluene	15.24	165	38548	105.86 ng/ul#	1
59) Fluorene	15.92	166	48222	41.34 ng/ul#	1

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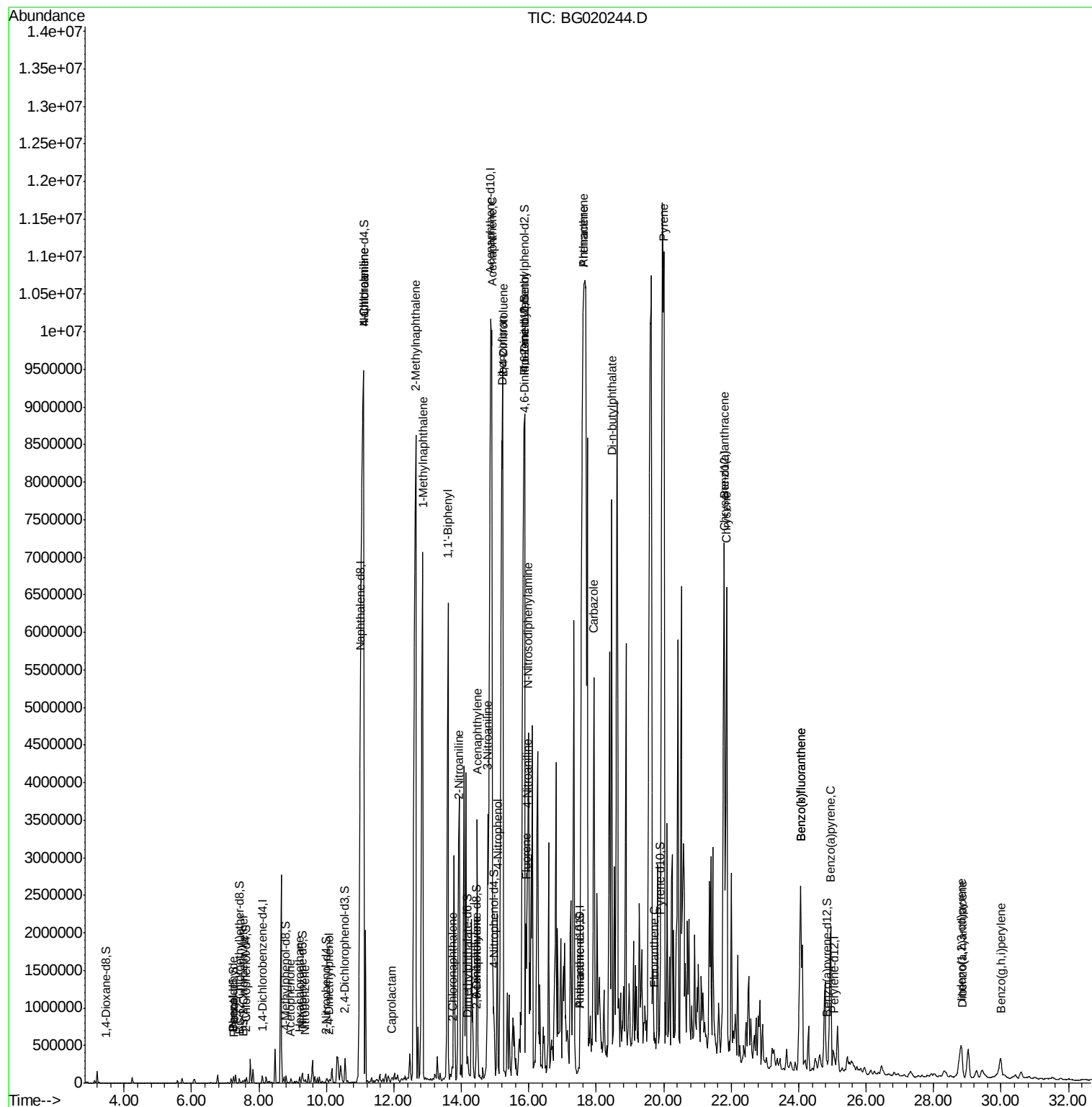
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	15.95	138	4218	16.20	ng/ul#	21
64) 4,6-Dinitro-2-methylphenol	15.89	198	295	1.55	ng/ul#	1
65) N-Nitrosodiphenylamine	15.99	169	296789	358.08	ng/ul#	1
70) Phenanthrene	17.60	178	8766927	5376.64	ng/ul#	30
72) Anthracene	17.60	178	8766927	5301.05	ng/ul#	26
75) Carbazole	17.93	167	2895533	2083.70	ng/ul#	75
76) Di-n-butylphthalate	18.45	149	18342	11.36	ng/ul#	1
77) Fluoranthene	19.72	202	86535	45.41	ng/ul	98
80) Pyrene	20.00	202	9464498	837.29	ng/ul#	1
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	24.06	252	3746753	364.60	ng/ul#	90
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
94) Benzo(g,h,i)perylene	29.99	276	576715	58.20	ng/ul	98

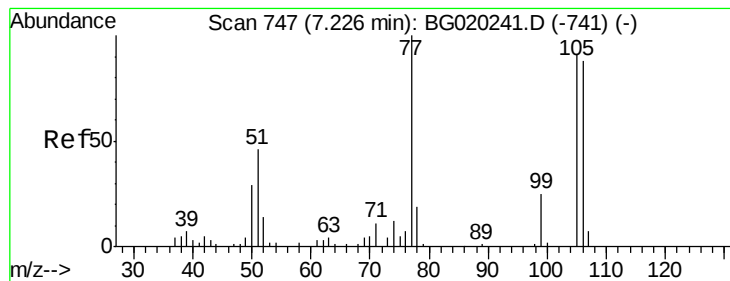
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.85 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

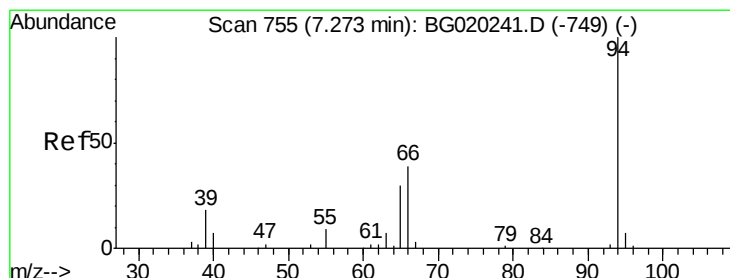
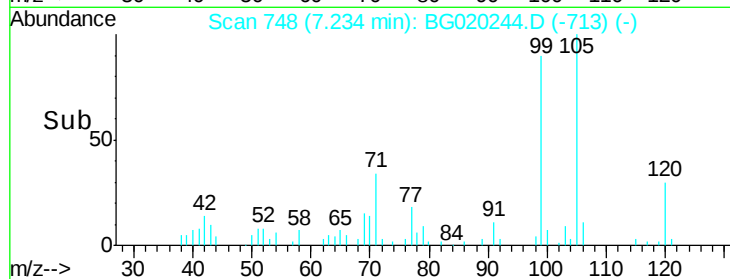
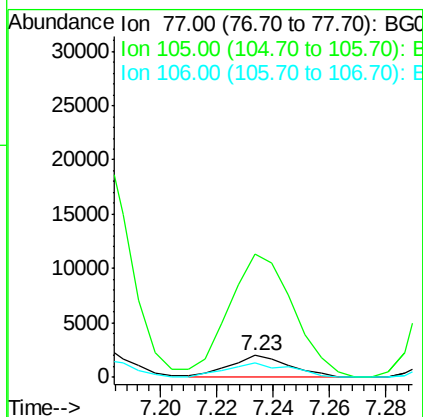
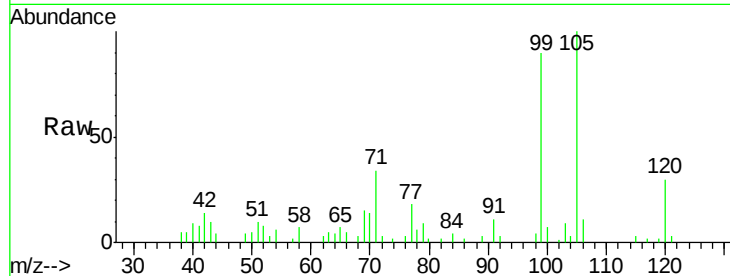
Tgt Ion: 77 Resp: 2975

Ion Ratio Lower Upper

77 100

105 559.8 77.8 116.6#

106 63.7 72.6 109.0#



#6

Phenol

Concen: 1.05 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

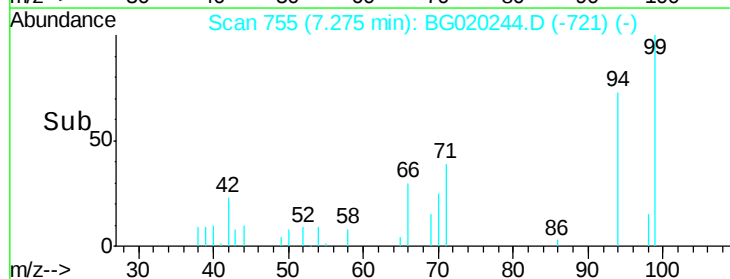
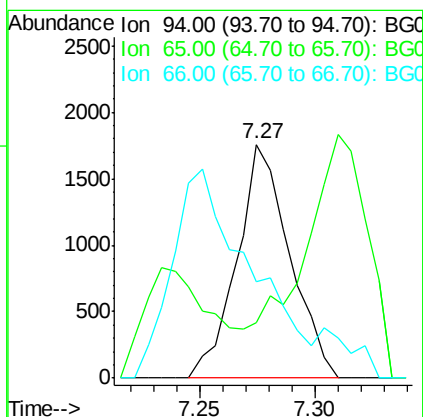
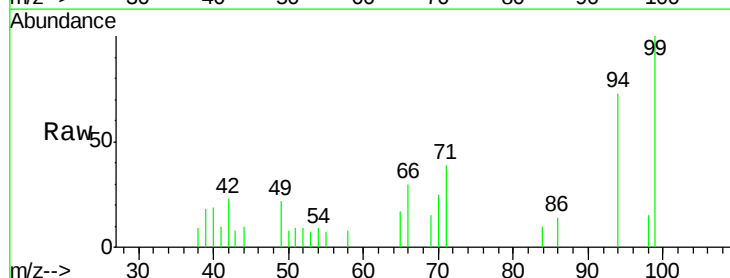
Tgt Ion: 94 Resp: 2787

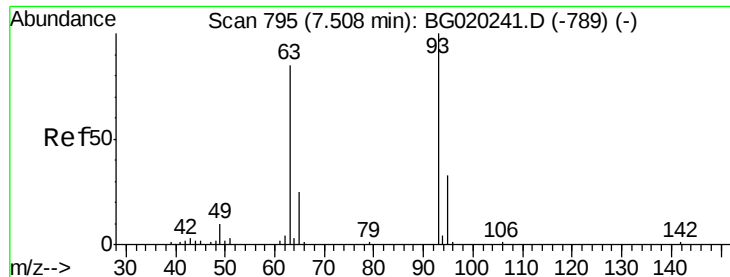
Ion Ratio Lower Upper

94 100

65 23.6 26.3 39.5#

66 41.6 33.3 49.9





#8

Bis(2-Chloroethyl)ether

Concen: 6.54 ng/ul

RT: 7.53 min Scan# 799

Delta R.T. 0.03 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

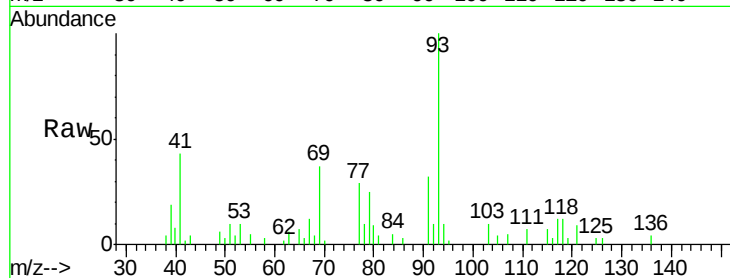
Tgt Ion: 93 Resp: 11947

Ion Ratio Lower Upper

93 100

63 5.8 63.6 95.4#

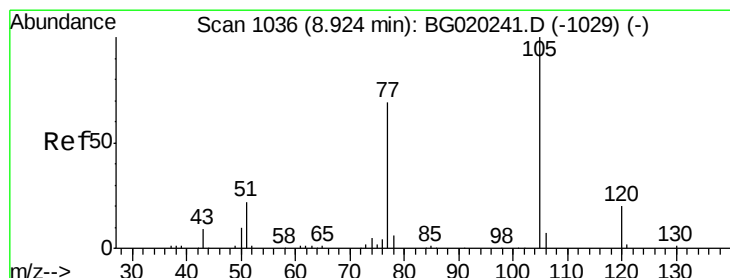
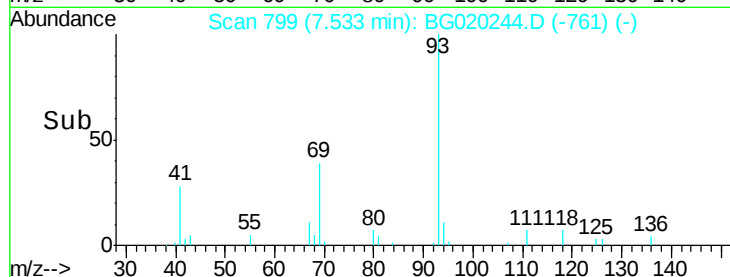
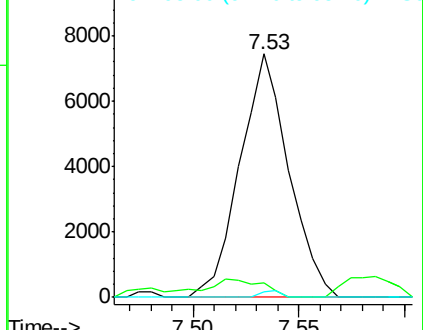
95 2.3 23.7 35.5#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#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

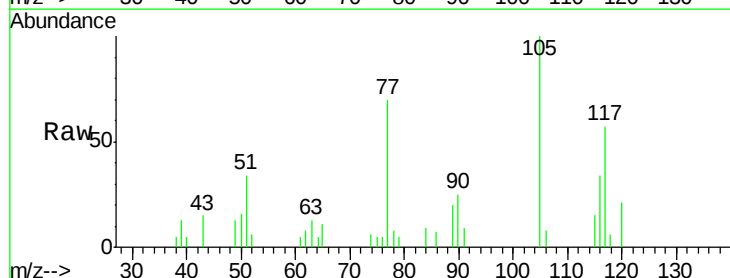
Tgt Ion: 105 Resp: 9677

Ion Ratio Lower Upper

105 100

77 69.7 65.2 97.8

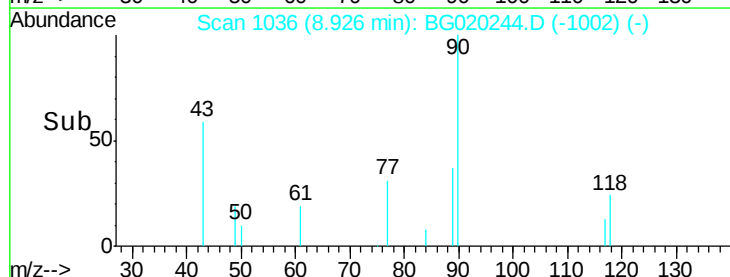
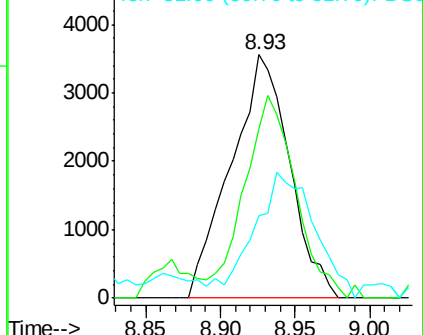
51 33.7 22.6 33.8

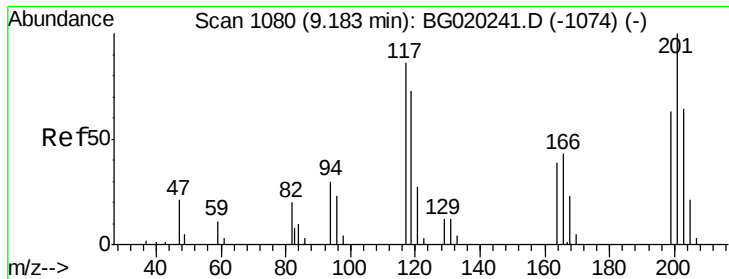


Abundance Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

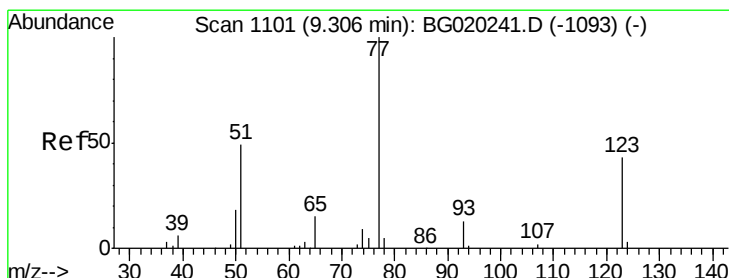
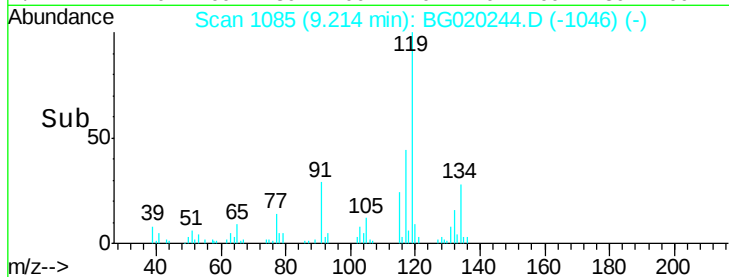
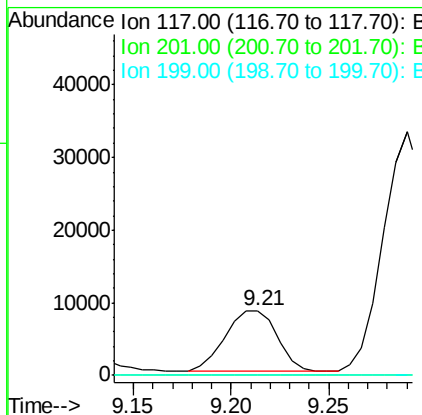
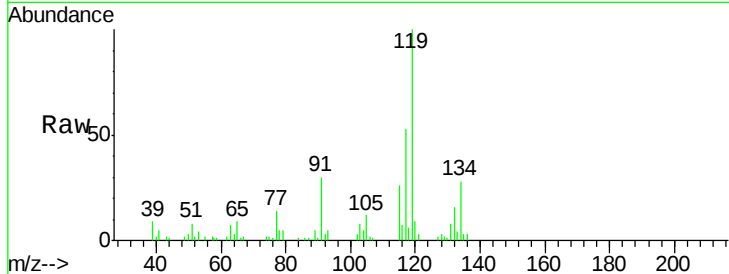




#17
 Hexachloroethane
 Concen: 19.59 ng/ul
 RT: 9.21 min Scan# 1085
 Delta R.T. 0.03 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

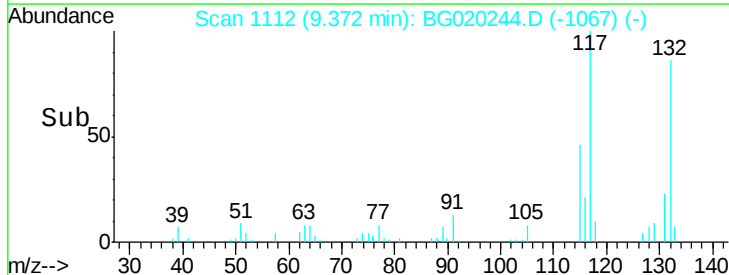
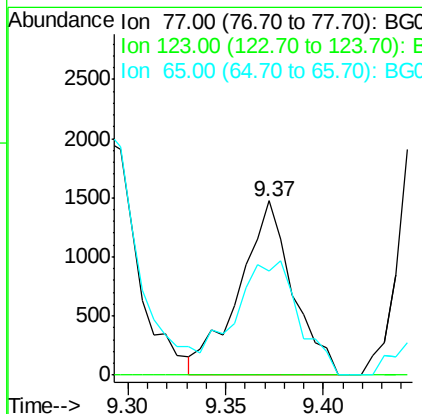
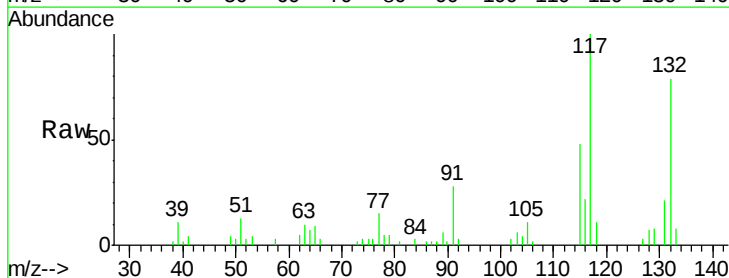
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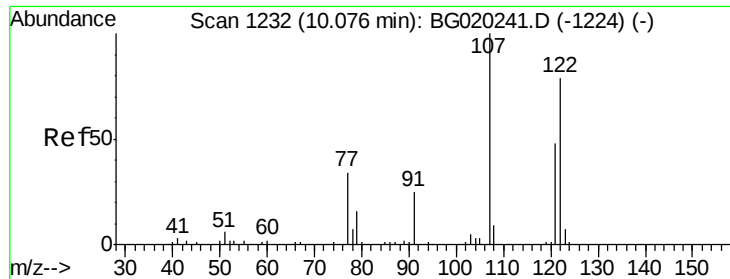
Tgt Ion: 117 Resp: 15581
 Ion Ratio Lower Upper
 117 100
 201 0.0 102.7 154.1#
 199 0.0 65.8 98.8#



#20
 Nitrobenzene
 Concen: 1.19 ng/ul
 RT: 9.37 min Scan# 1112
 Delta R.T. 0.07 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Tgt Ion: 77 Resp: 2797
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.4 50.0#
 65 59.8 11.7 17.5#

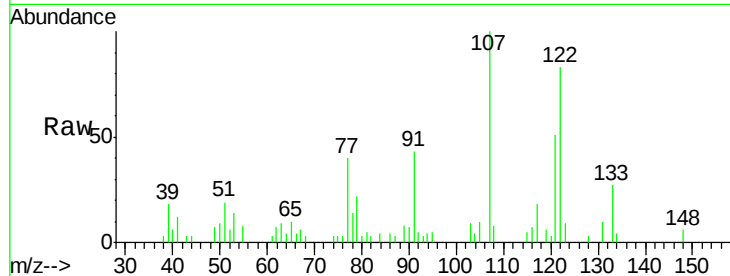




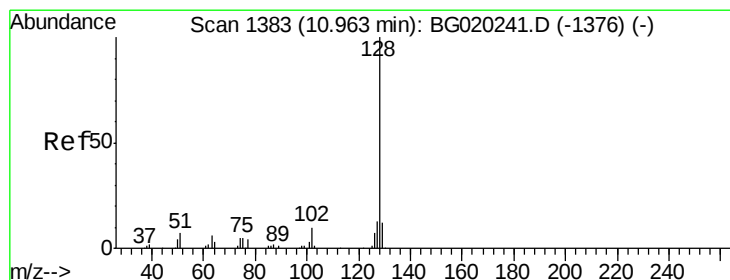
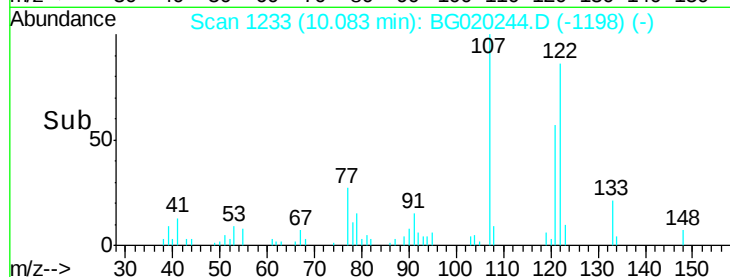
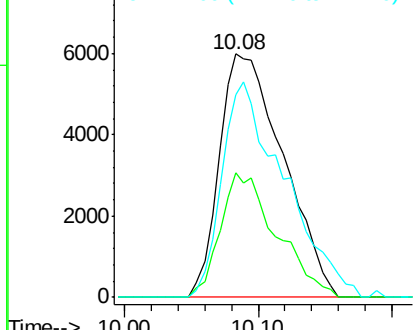
#24
2,4-Dimethylphenol
Concen: 8.26 ng/ul
RT: 10.08 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Instrument :
BNA_G
ClientSampleId :
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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

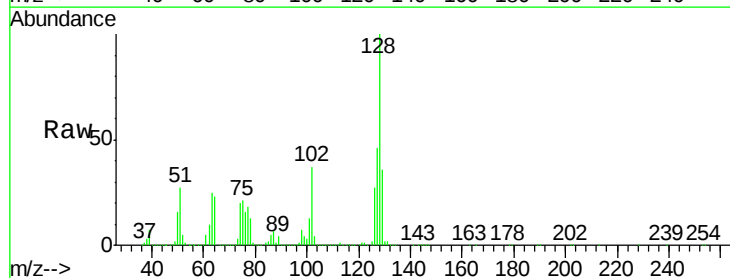


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E

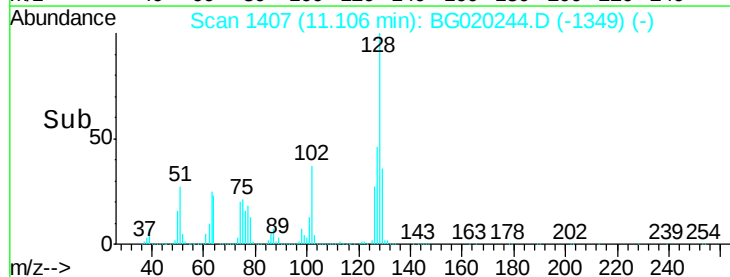
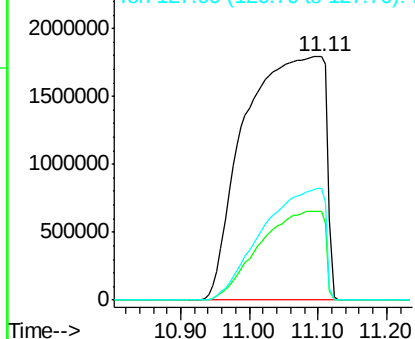


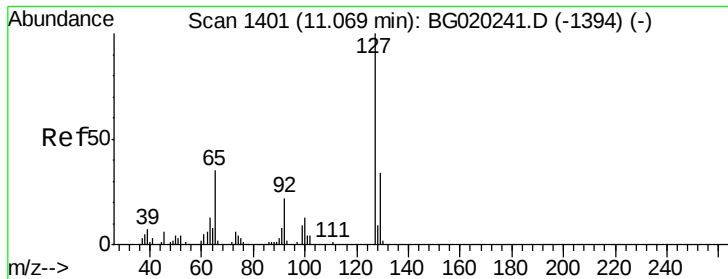
#28
Naphthalene
Concen: 2444.95 ng/ul
RT: 11.11 min Scan# 1407
Delta R.T. 0.14 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

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#



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

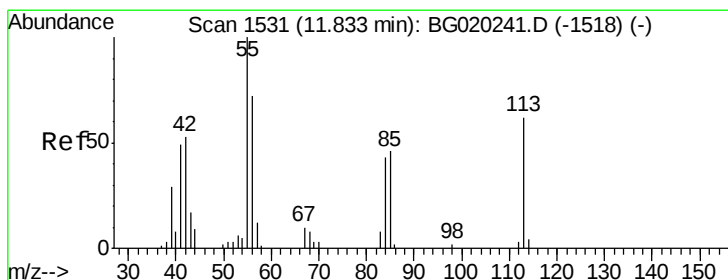
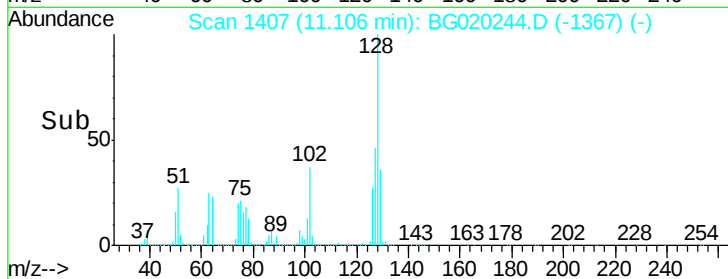
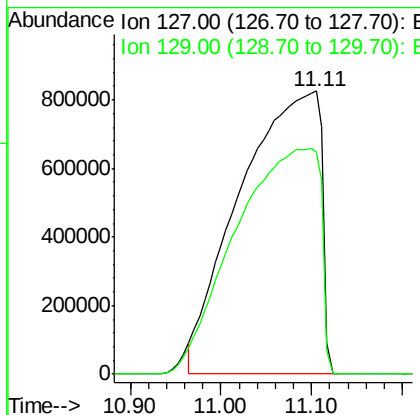
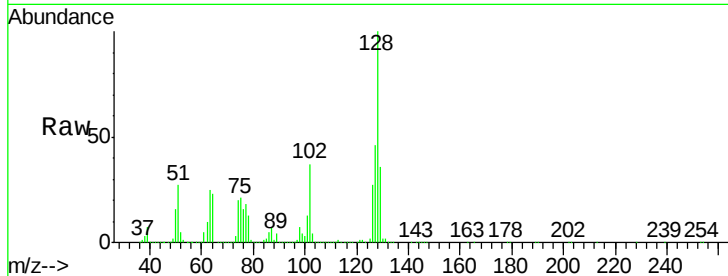




#30
4-Chloroaniline
Concen: 2240.27 ng/ul
RT: 11.11 min Scan# 1407
Delta R.T. 0.04 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

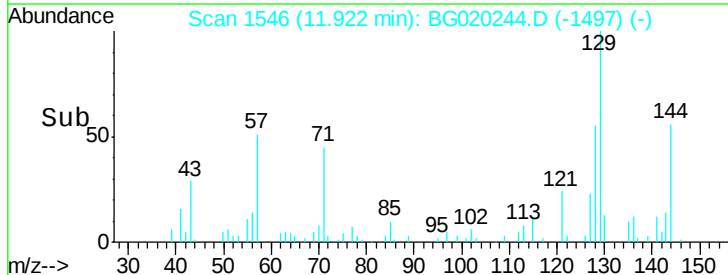
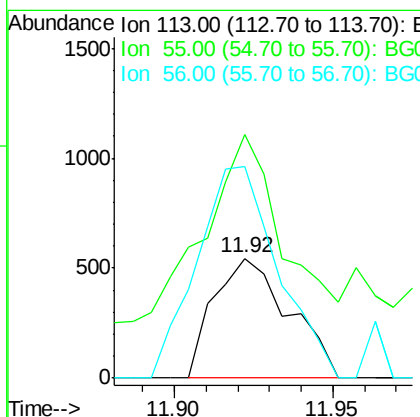
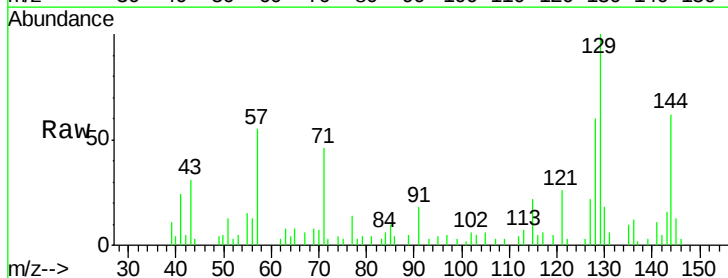
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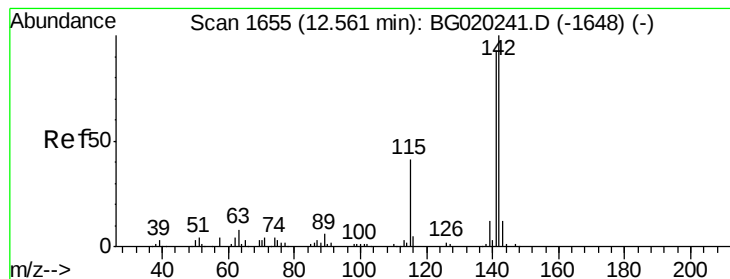
Tgt Ion:127 Resp: 5153644
Ion Ratio Lower Upper
127 100
129 78.6 25.7 38.5#



#32
Caprolactam
Concen: 1.23 ng/ul
RT: 11.92 min Scan# 1546
Delta R.T. 0.09 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion:113 Resp: 897
Ion Ratio Lower Upper
113 100
55 202.7 132.1 198.1#
56 176.7 103.3 154.9#





#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

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BNA_G

ClientSampleId :

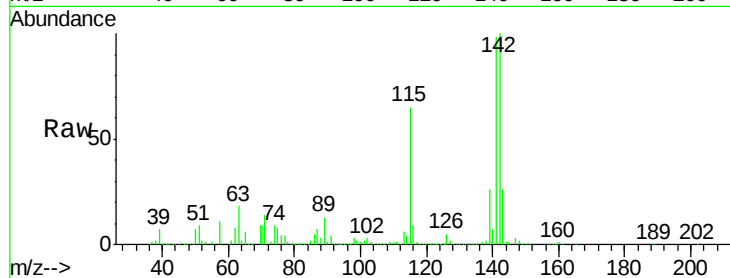
D9N37

Tgt Ion:142 Resp: 7278963

Ion Ratio Lower Upper

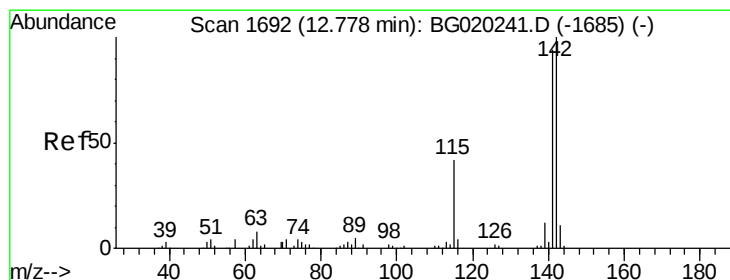
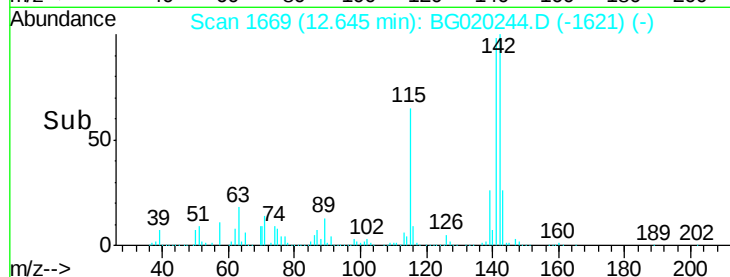
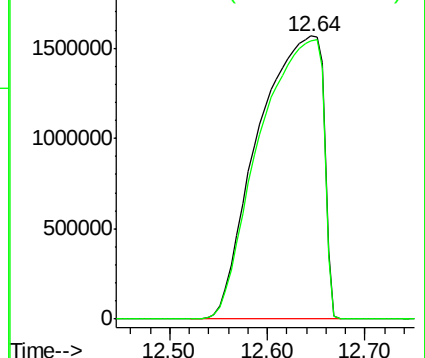
142 100

141 98.4 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#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

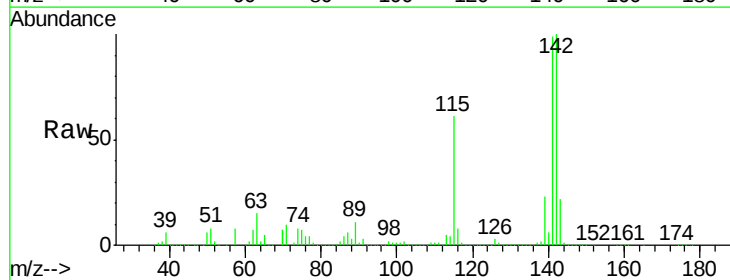
Tgt Ion:142 Resp: 4314618

Ion Ratio Lower Upper

142 100

141 99.1 73.0 109.6

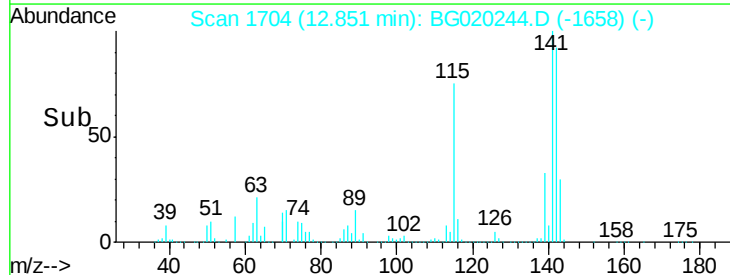
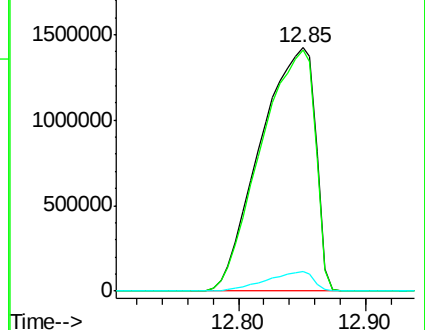
116 8.1 3.0 4.6#

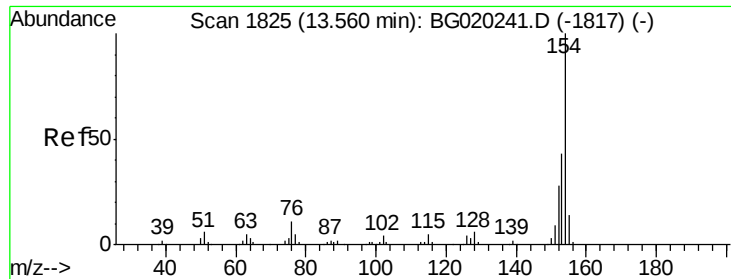


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

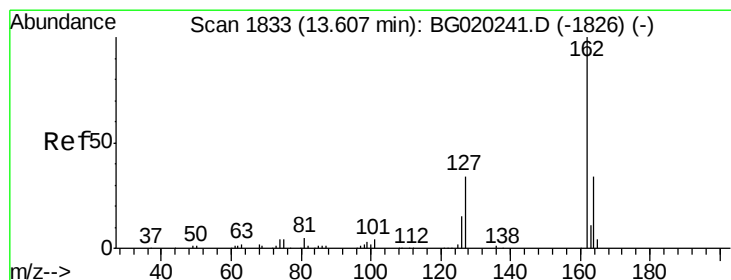
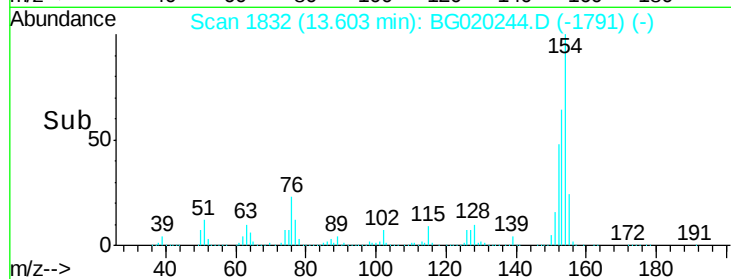
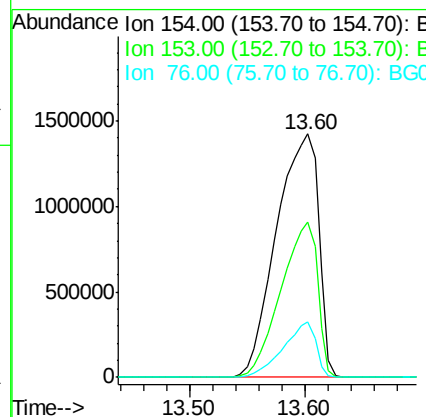
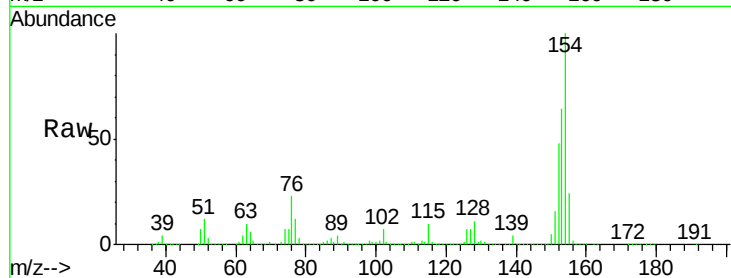




#41
 1,1'-Biphenyl
 Concen: 3296.69 ng/ul
 RT: 13.60 min Scan# 1832
 Delta R.T. 0.04 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

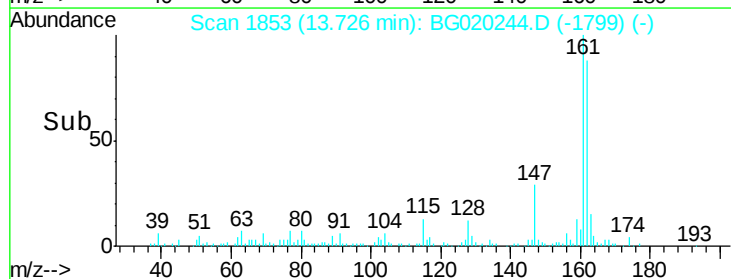
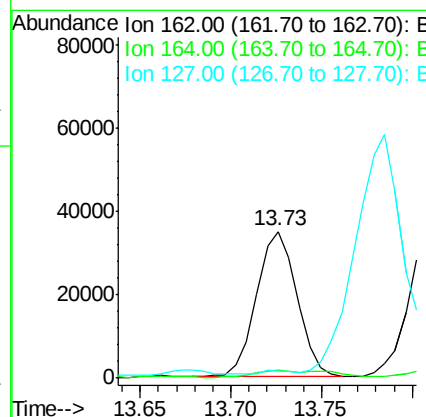
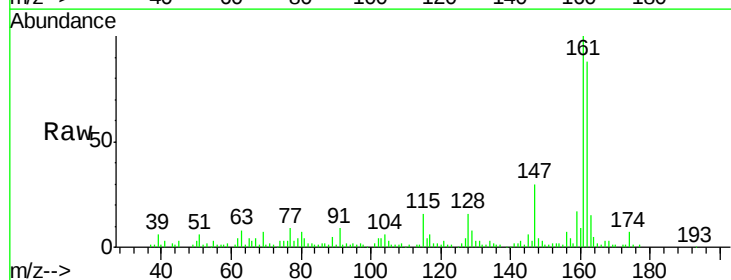
Instrument :
 BNA_G
 ClientSampleId :
 D9N37

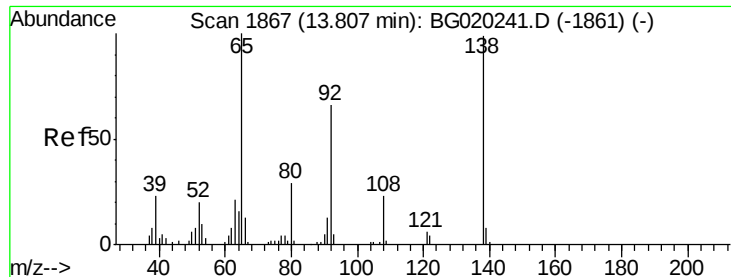
Tgt Ion:154 Resp: 3610568
 Ion Ratio Lower Upper
 154 100
 153 63.5 35.5 53.3#
 76 22.8 10.4 15.6#



#42
 2-Chloronaphthalene
 Concen: 61.52 ng/ul
 RT: 13.73 min Scan# 1853
 Delta R.T. 0.12 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Tgt Ion:162 Resp: 53944
 Ion Ratio Lower Upper
 162 100
 164 5.5 25.0 37.6#
 127 4.8 29.9 44.9#





#43

2-Nitroaniline

Concen: 68.74 ng/ul

RT: 13.91 min Scan# 1885

Delta R.T. 0.11 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

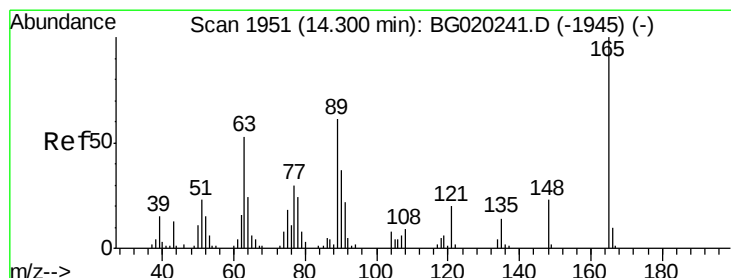
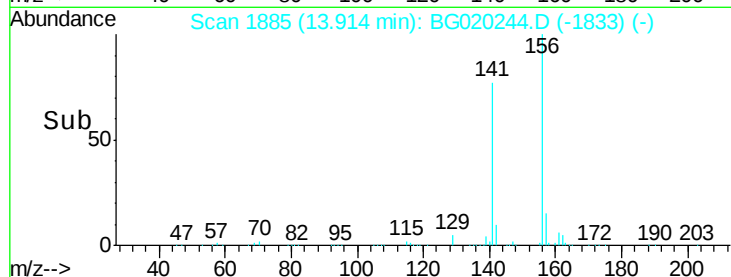
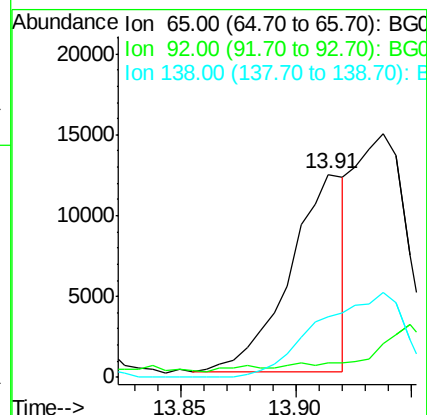
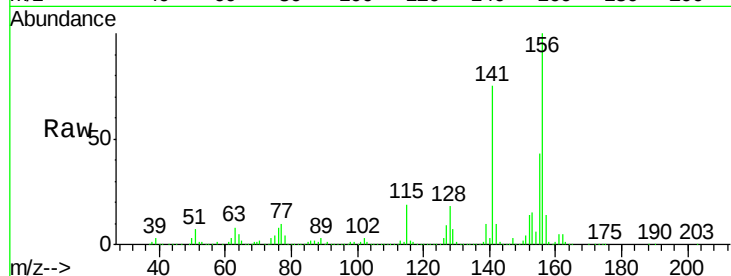
Tgt Ion: 65 Resp: 20494

Ion Ratio Lower Upper

65 100

92 7.3 53.1 79.7#

138 29.7 76.6 114.8#



#46

2,6-Dinitrotoluene

Concen: 9.01 ng/ul

RT: 14.43 min Scan# 1973

Delta R.T. 0.13 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

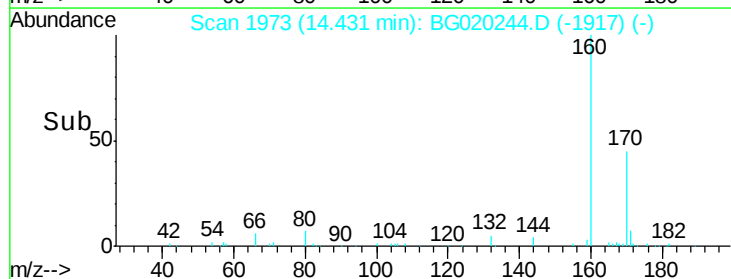
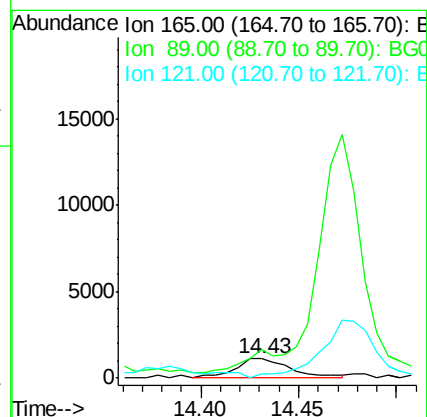
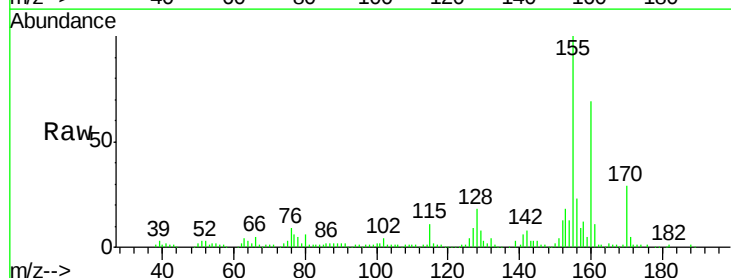
Tgt Ion: 165 Resp: 2235

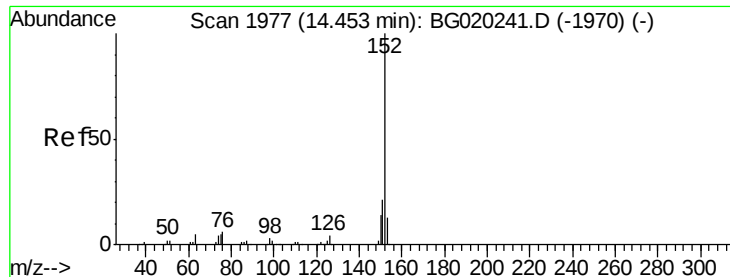
Ion Ratio Lower Upper

165 100

89 149.5 47.0 70.4#

121 20.2 17.0 25.6





#48

Acenaphthylene

Concen: 1190.89 ng/ul

RT: 14.48 min Scan# 1981

Delta R.T. 0.03 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

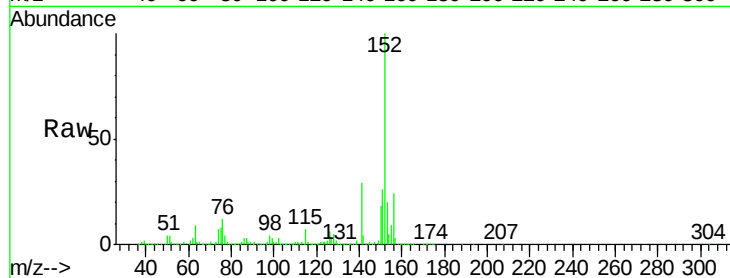
Tgt Ion:152 Resp: 1728470

Ion Ratio Lower Upper

152 100

151 26.2 16.4 24.6#

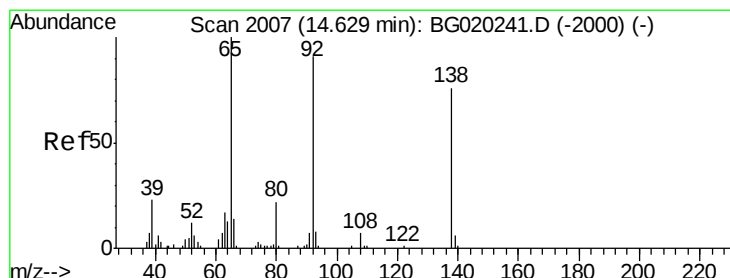
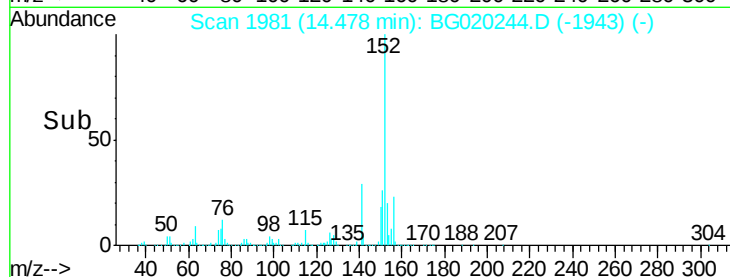
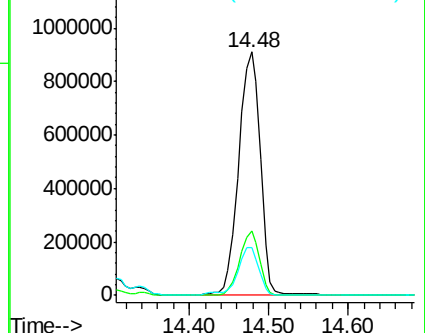
153 19.8 10.4 15.6#



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



#49

3-Nitroaniline

Concen: 30.39 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.15 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

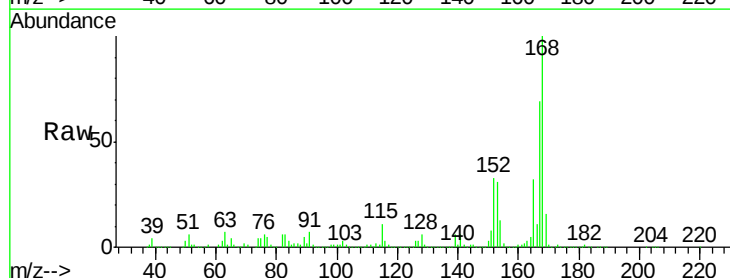
Tgt Ion:138 Resp: 7320

Ion Ratio Lower Upper

138 100

108 14.0 9.1 13.7#

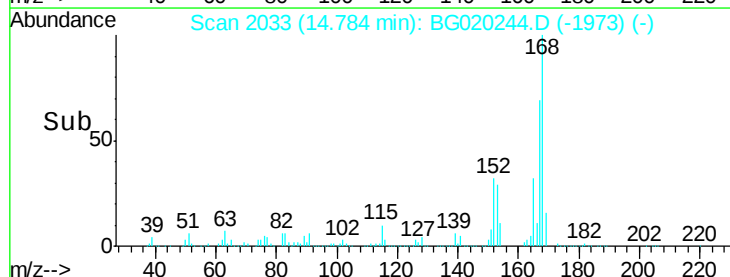
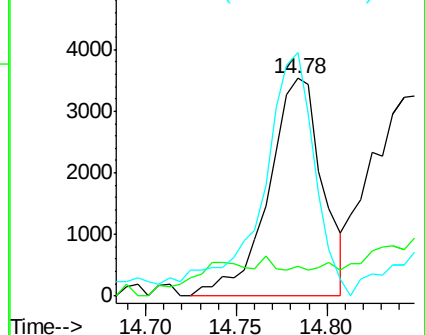
92 111.9 103.2 154.8

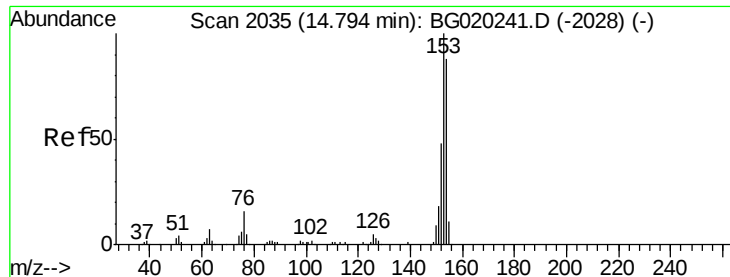


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC





#50

Acenaphthene

Concen: 11188.17 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 :

D9N37

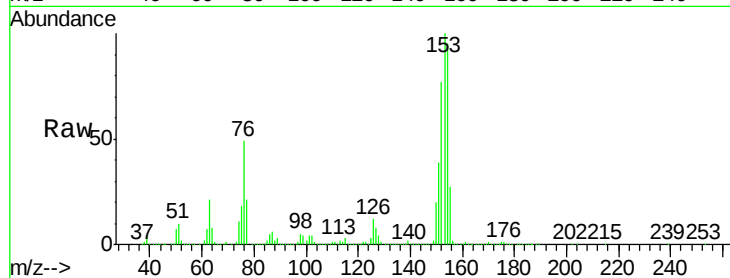
Tgt Ion:153 Resp:10925843

Ion Ratio Lower Upper

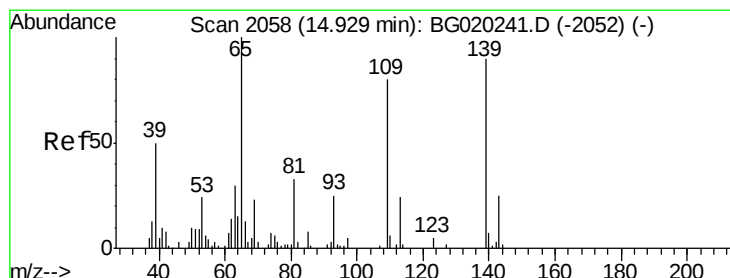
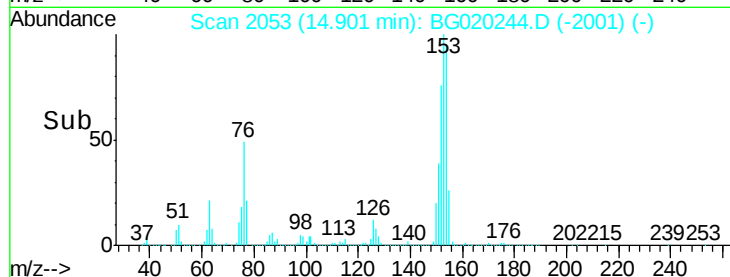
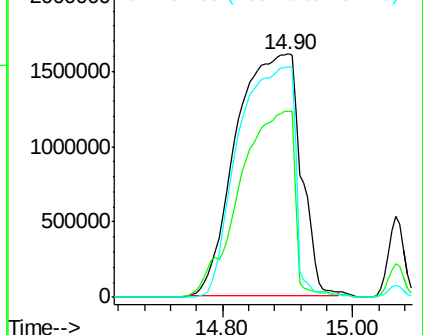
153 100

152 76.6 37.6 56.4#

154 94.6 67.9 101.9



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 10.55 ng/ul

RT: 15.07 min Scan# 2081

Delta R.T. 0.14 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

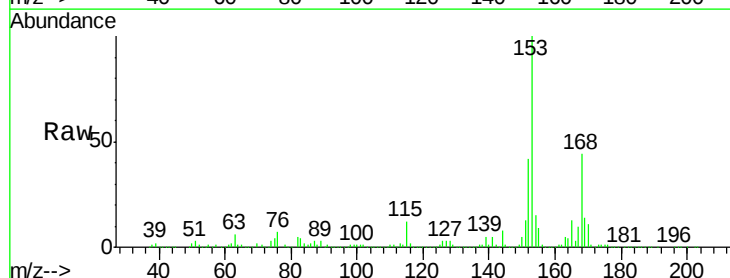
Tgt Ion:109 Resp: 2138

Ion Ratio Lower Upper

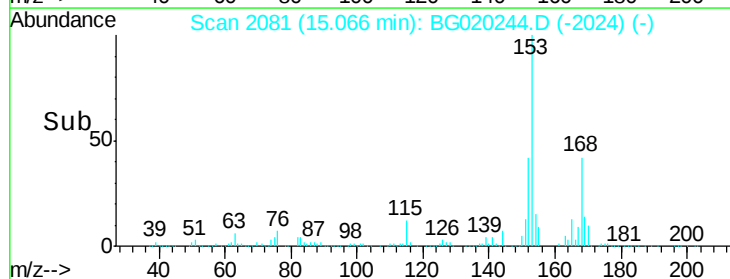
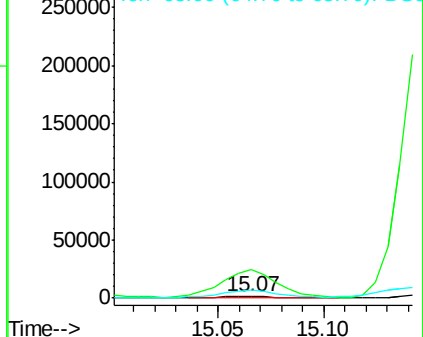
109 100

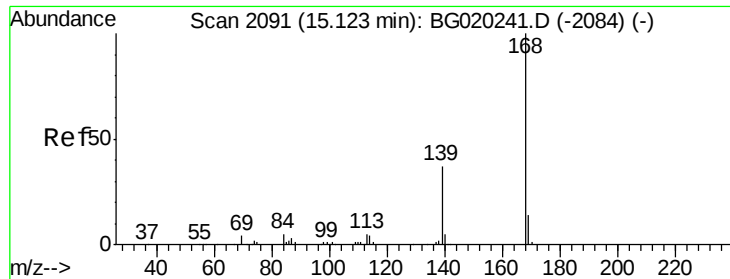
139 1756.4 80.5 120.7#

65 495.8 93.4 140.2#



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BGO





#54

Dibenzenofuran

Concen: 5803.03 ng/ul

RT: 15.21 min Scan# 2106

Delta R.T. 0.09 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

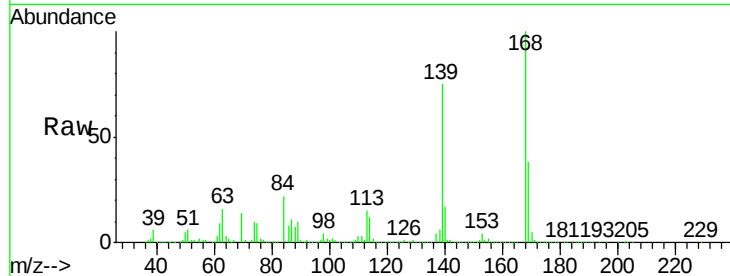
D9N37

Tgt Ion:168 Resp: 8430115

Ion Ratio Lower Upper

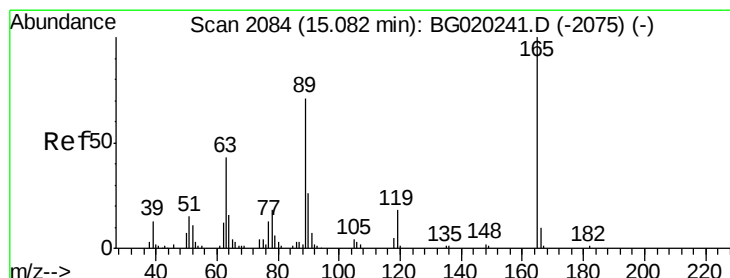
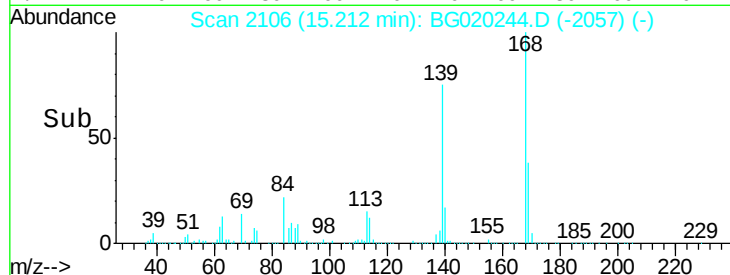
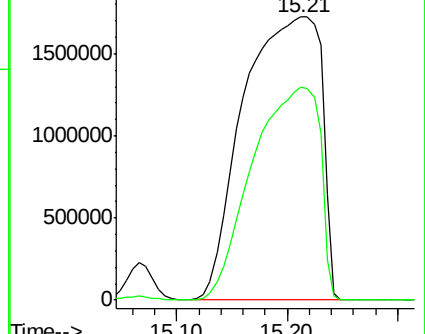
168 100

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



#55

2,4-Dinitrotoluene

Concen: 105.86 ng/ul

RT: 15.24 min Scan# 2110

Delta R.T. 0.15 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

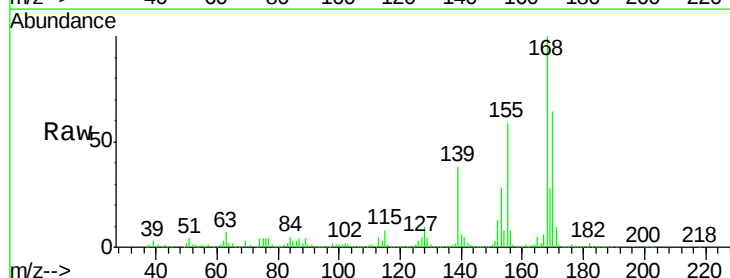
Tgt Ion:165 Resp: 38548

Ion Ratio Lower Upper

165 100

63 145.5 35.8 53.8#

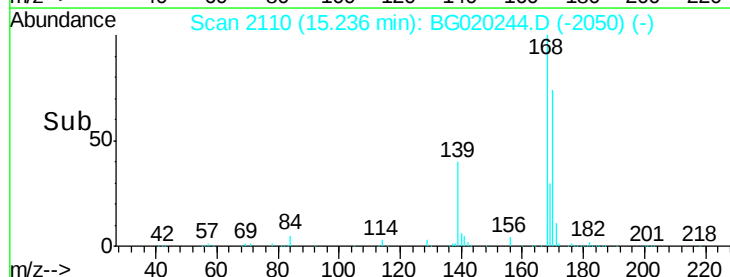
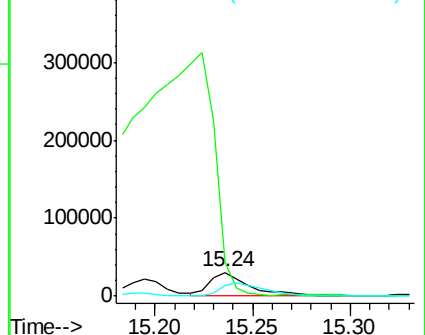
182 42.8 2.2 3.2#

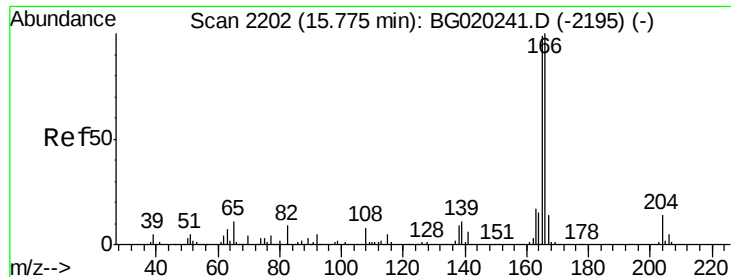


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 182.00 (181.70 to 182.70): E

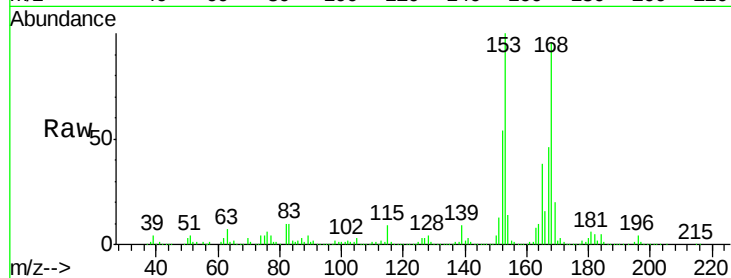




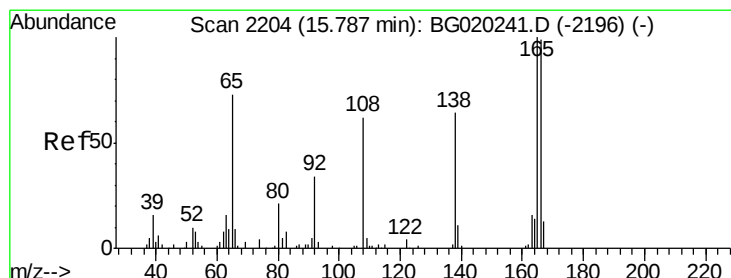
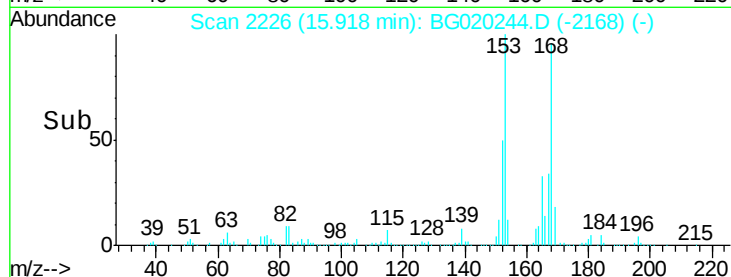
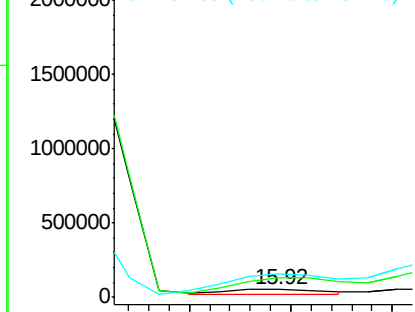
#59
 Fluorene
 Concen: 41.34 ng/ul
 RT: 15.92 min Scan# 2226
 Delta R.T. 0.14 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

Tgt Ion:166 Resp: 48222
 Ion Ratio Lower Upper
 166 100
 165 244.4 81.4 122.0#
 167 296.1 11.2 16.8#

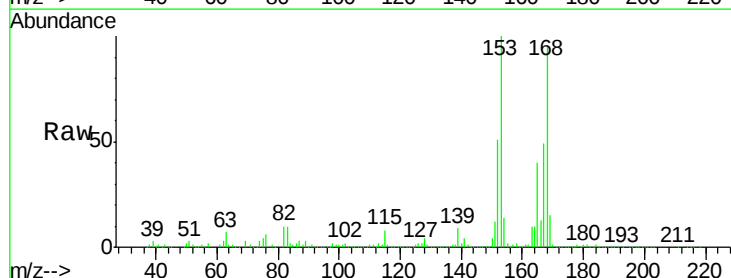


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

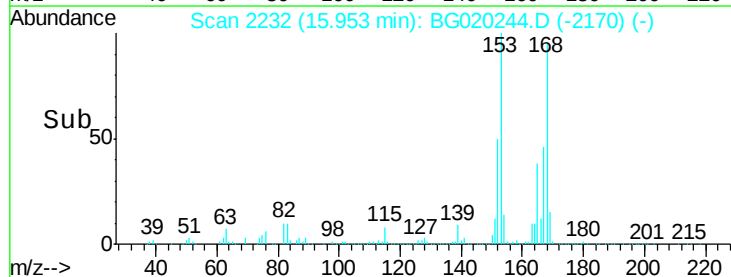
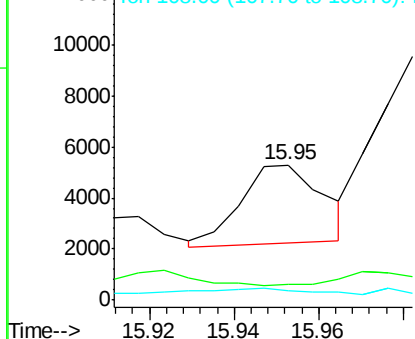


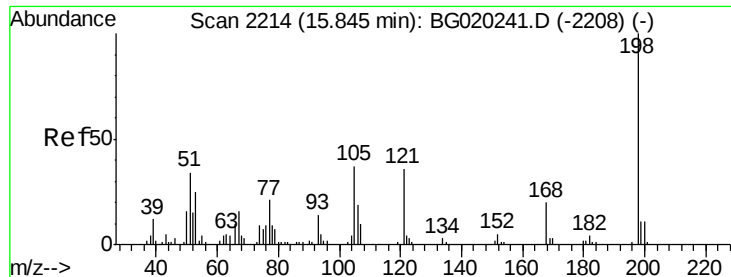
#61
 4-Nitroaniline
 Concen: 16.20 ng/ul
 RT: 15.95 min Scan# 2232
 Delta R.T. 0.17 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Tgt Ion:138 Resp: 4218
 Ion Ratio Lower Upper
 138 100
 92 11.8 45.2 67.8#
 108 7.3 75.4 113.0#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BG
 Ion 108.00 (107.70 to 108.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 1.55 ng/ul

RT: 15.89 min Scan# 2221

Delta R.T. 0.04 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

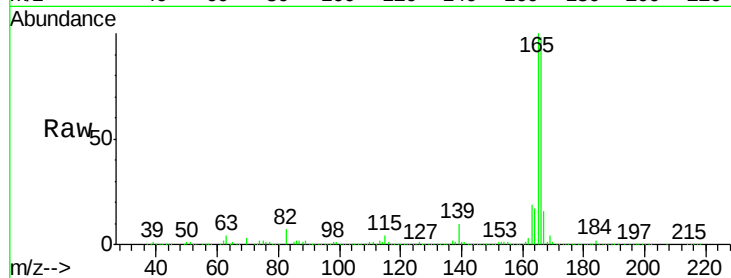
Tgt Ion:198 Resp: 295

Ion Ratio Lower Upper

198 100

182 183.5 2.5 3.7#

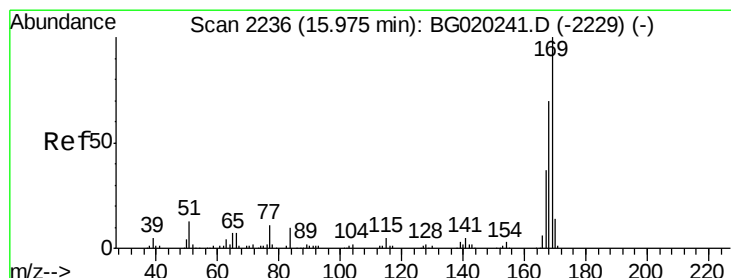
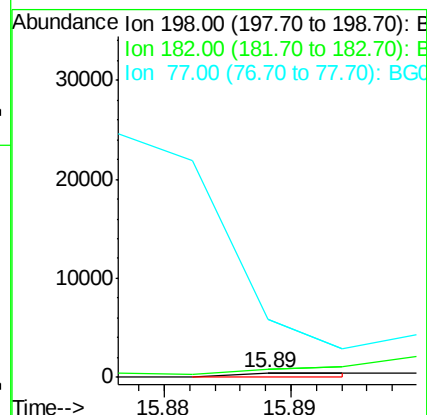
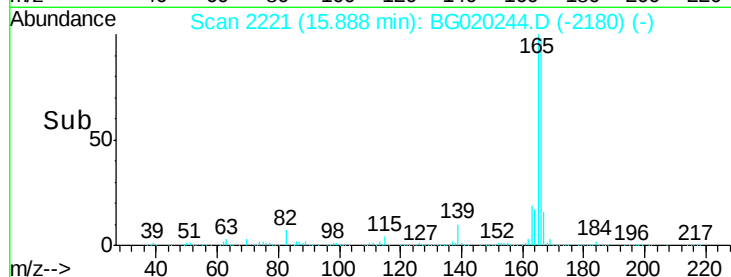
77 1303.7 17.7 26.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BGC



#65

N-Nitrosodiphenylamine

Concen: 358.08 ng/ul

RT: 15.99 min Scan# 2239

Delta R.T. 0.02 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

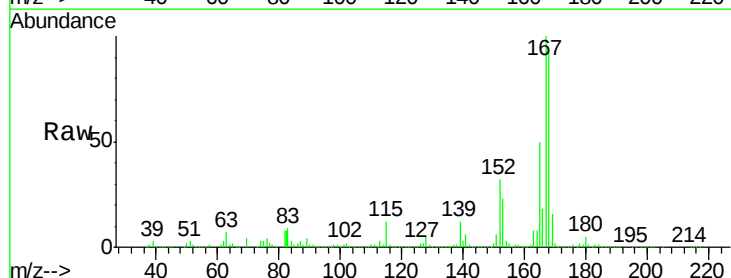
Tgt Ion:169 Resp: 296789

Ion Ratio Lower Upper

169 100

168 566.3 54.3 81.5#

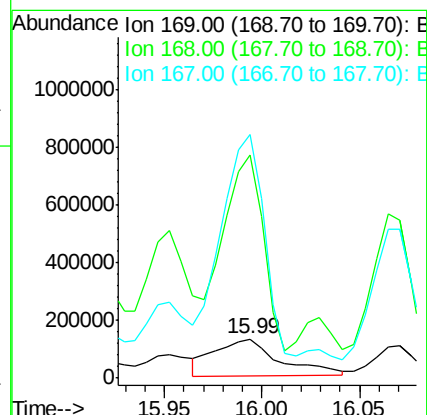
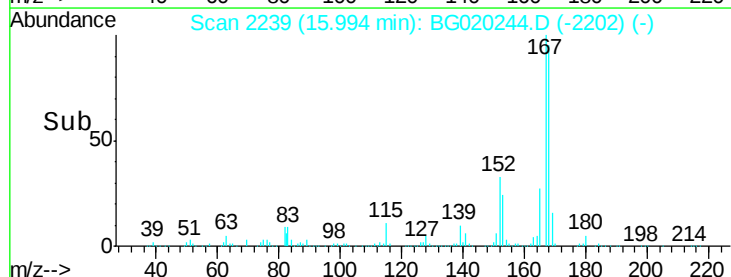
167 617.6 31.8 47.8#

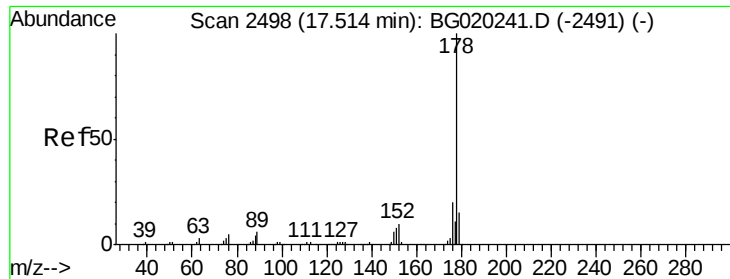


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 5376.64 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.09 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

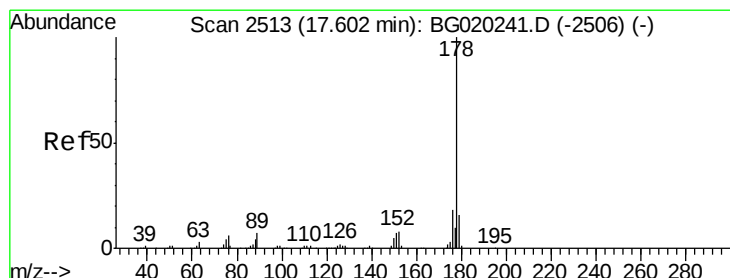
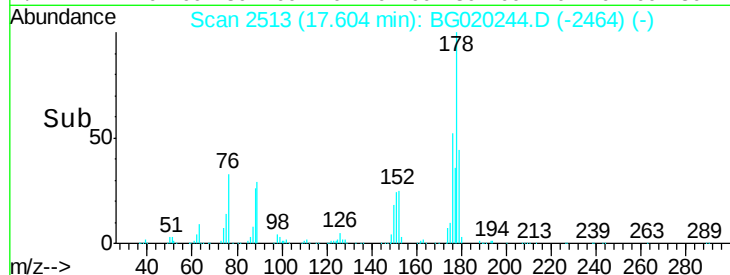
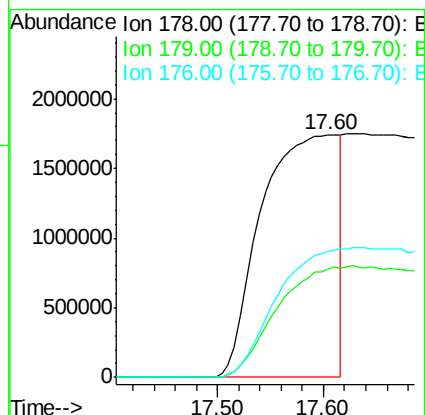
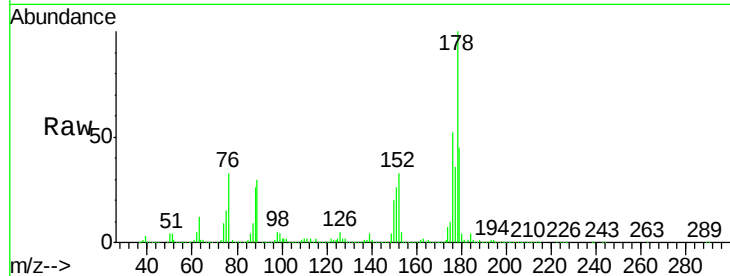
Tgt Ion:178 Resp: 8766927

Ion Ratio Lower Upper

178 100

179 44.6 12.9 19.3#

176 52.0 15.3 22.9#



#72

Anthracene

Concen: 5301.05 ng/ul

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

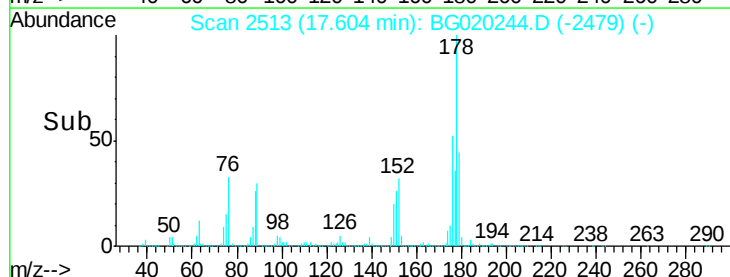
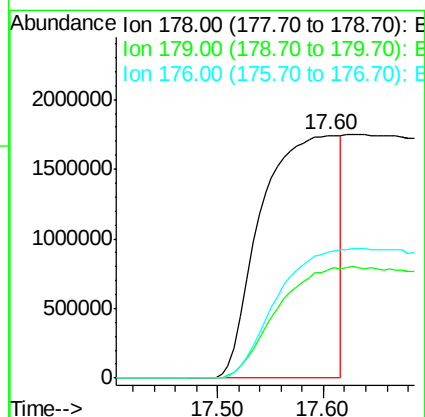
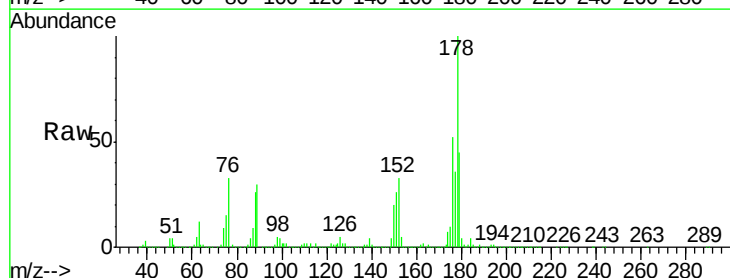
Tgt Ion:178 Resp: 8766927

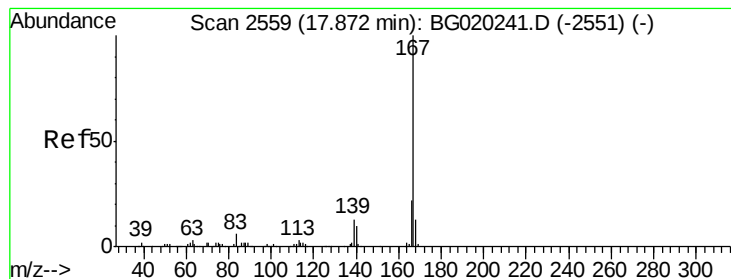
Ion Ratio Lower Upper

178 100

179 44.6 12.3 18.5#

176 52.0 14.3 21.5#





#75

Carbazole

Concen: 2083.70 ng/ul

RT: 17.93 min Scan# 2569

Delta R.T. 0.06 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

Instrument :

BNA_G

ClientSampleId :

D9N37

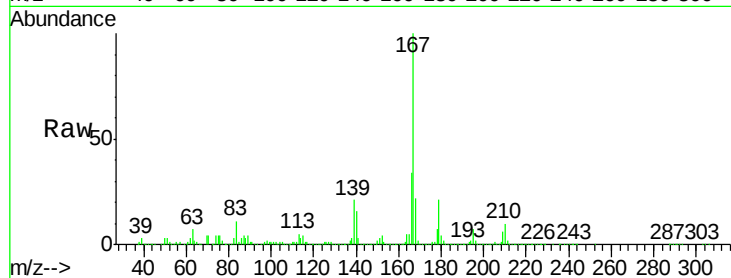
Tgt Ion:167 Resp: 2895533

Ion Ratio Lower Upper

167 100

166 34.3 17.0 25.6#

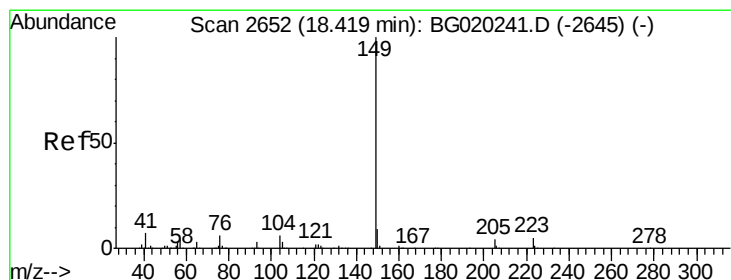
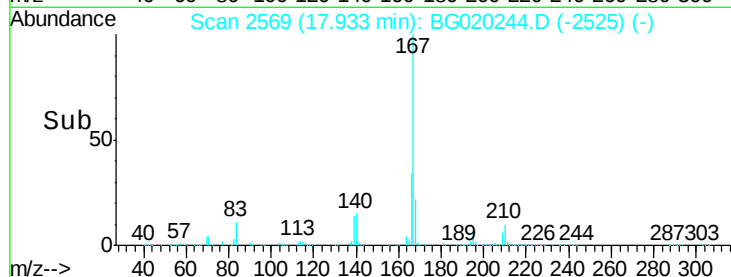
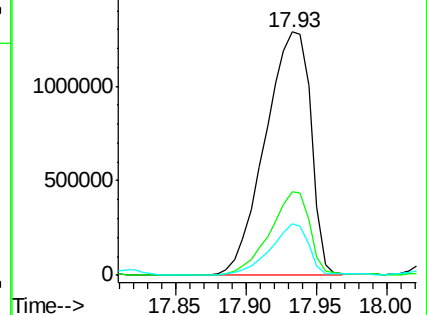
139 21.0 10.1 15.1#



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



#76

Di-n-butylphthalate

Concen: 11.36 ng/ul

RT: 18.45 min Scan# 2657

Delta R.T. 0.03 min

Lab File: BG020244.D

Acq: 17 Dec 2015 6:03

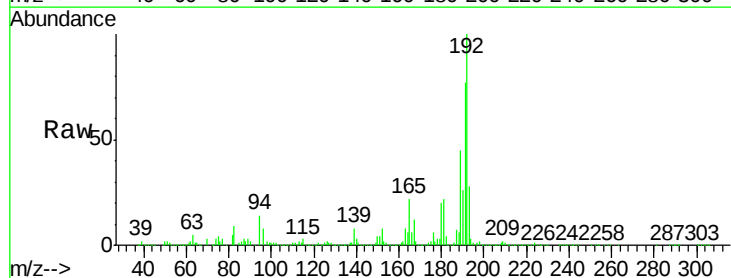
Tgt Ion:149 Resp: 18342

Ion Ratio Lower Upper

149 100

150 505.8 7.7 11.5#

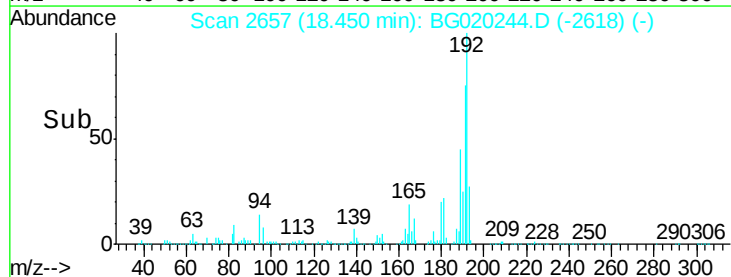
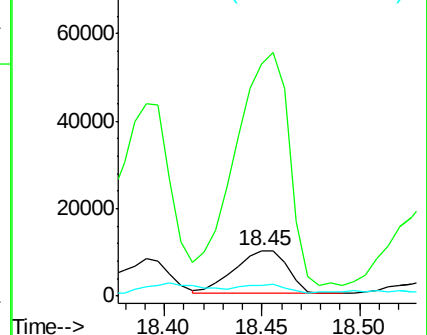
104 22.5 4.2 6.4#

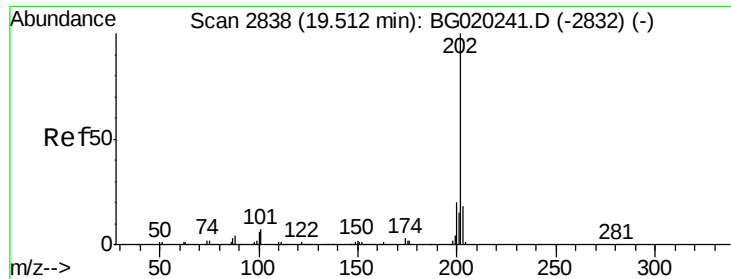


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

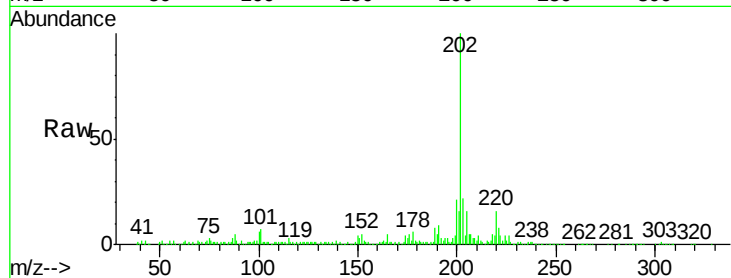




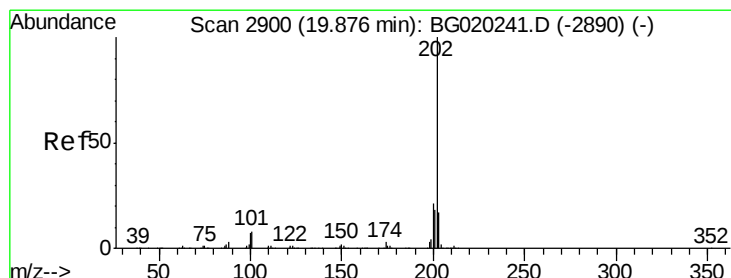
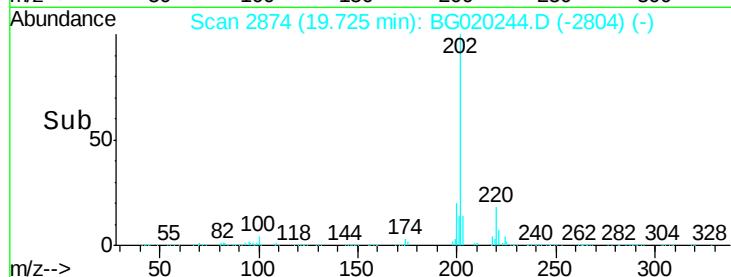
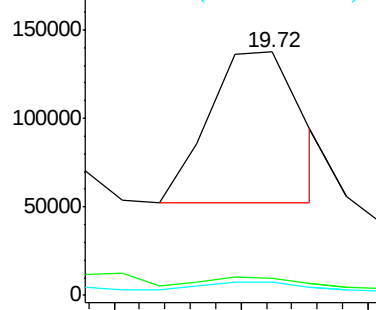
#77
Fluoranthene
 Concen: 45.41 ng/ul
 RT: 19.72 min Scan# 2874
 Delta R.T. 0.21 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

Instrument :
 BNA_G
 ClientSampleId :
 D9N37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	6.2	9.4
100	5.5	5.1	7.7

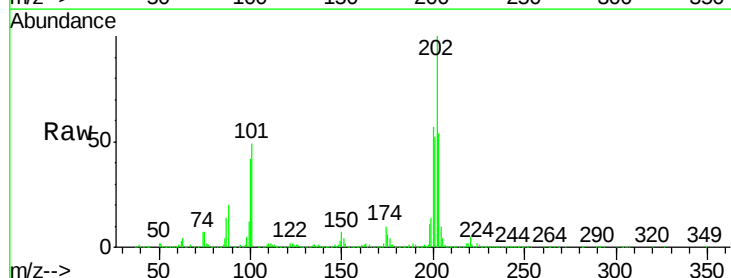


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

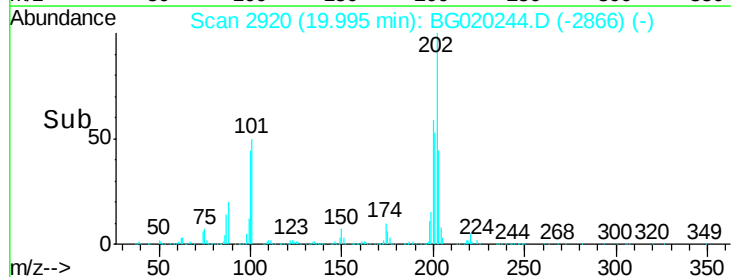
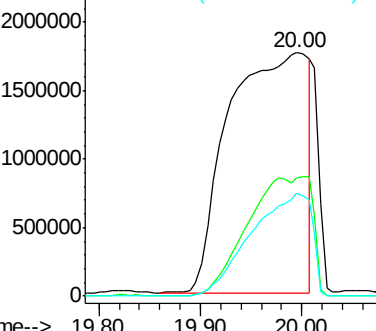


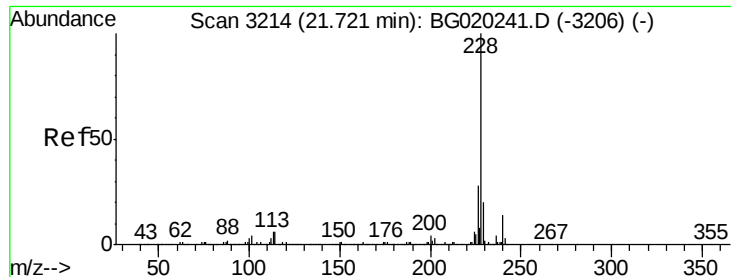
#80
Pyrene
 Concen: 837.29 ng/ul
 RT: 20.00 min Scan# 2920
 Delta R.T. 0.12 min
 Lab File: BG020244.D
 Acq: 17 Dec 2015 6:03

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



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

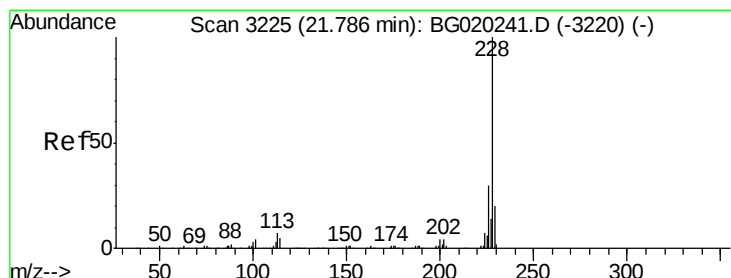
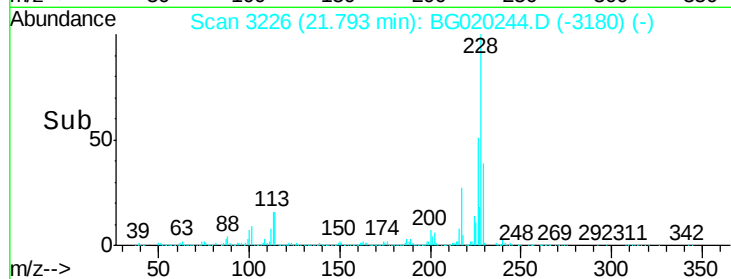
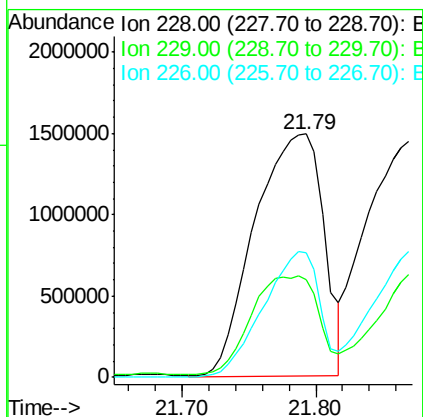
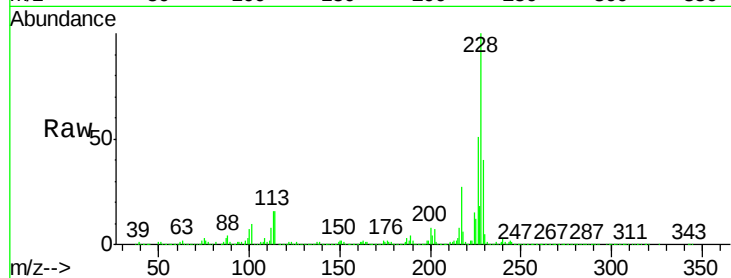




#83
Benzo(a)anthracene
Concen: 489.98 ng/ul
RT: 21.79 min Scan# 3226
Delta R.T. 0.07 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

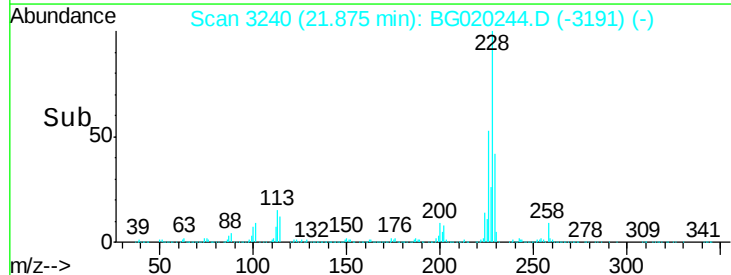
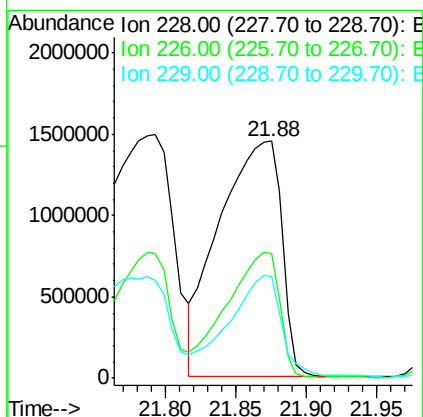
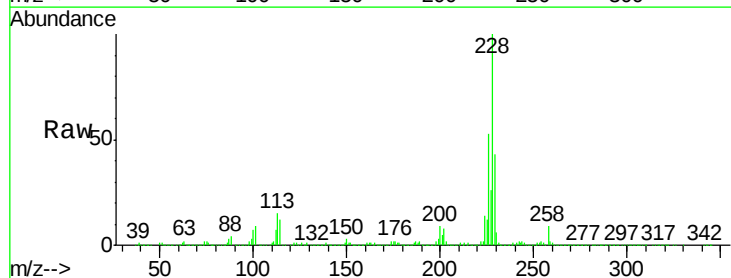
Instrument :
BNA_G
ClientSampleId :
D9N37

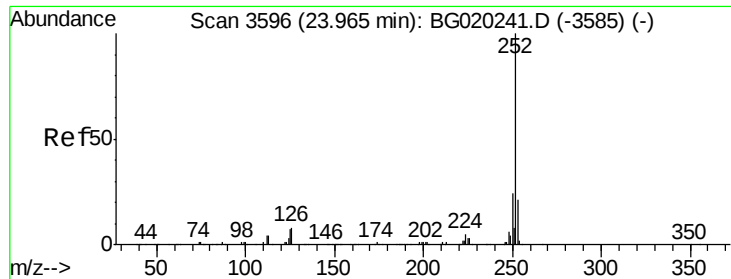
Tgt Ion:228 Resp: 5339591
Ion Ratio Lower Upper
228 100
229 40.2 15.8 23.8#
226 51.3 21.8 32.6#



#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#

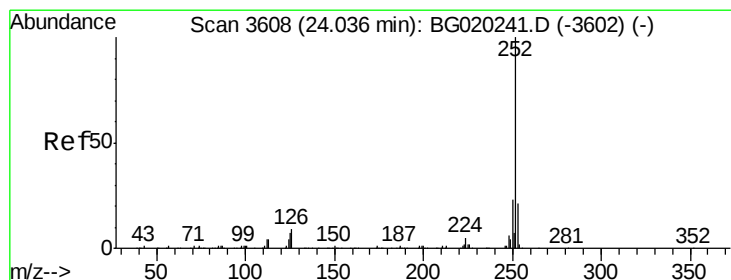
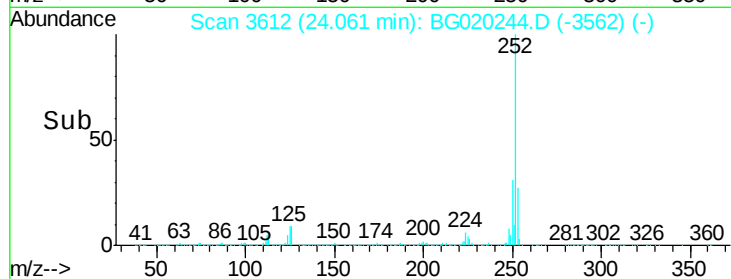
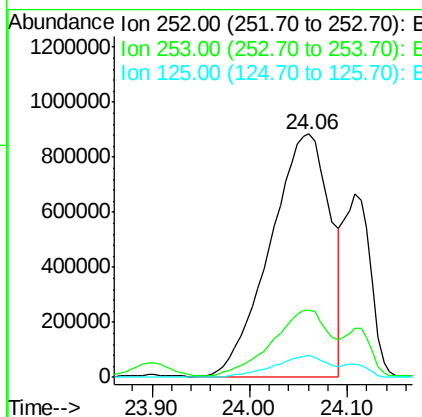
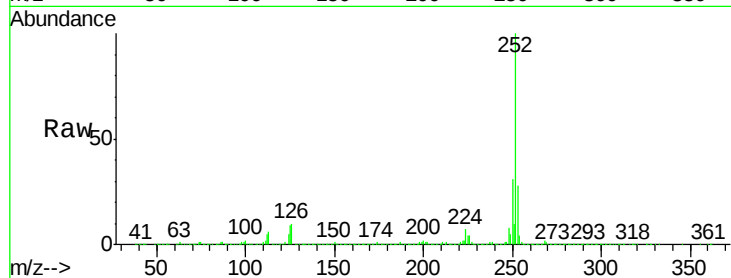




#88
Benzo(b)fluoranthene
Concen: 349.88 ng/u1
RT: 24.06 min Scan# 3612
Delta R.T. 0.10 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

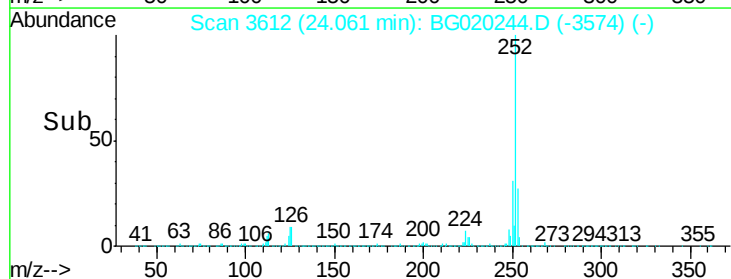
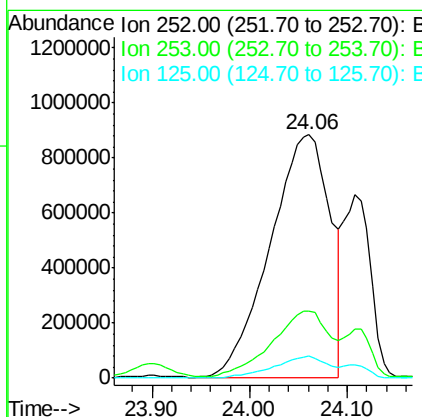
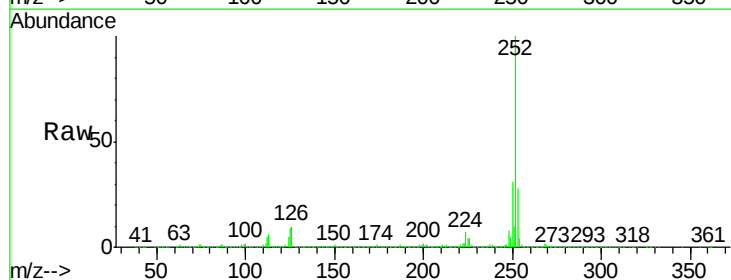
Instrument :
BNA_G
ClientSampleId :
D9N37

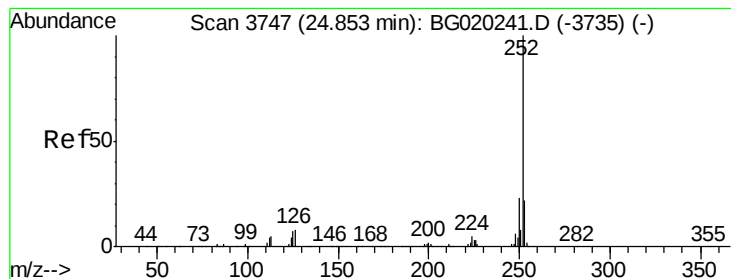
Tgt Ion:252 Resp: 3746753
Ion Ratio Lower Upper
252 100
253 27.7 16.7 25.1#
125 8.9 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 364.60 ng/u1
RT: 24.06 min Scan# 3612
Delta R.T. 0.03 min
Lab File: BG020244.D
Acq: 17 Dec 2015 6:03

Tgt Ion:252 Resp: 3746753
Ion Ratio Lower Upper
252 100
253 27.7 17.9 26.9#
125 8.9 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

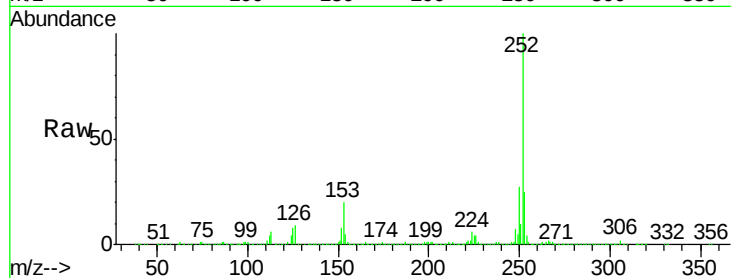
Tgt Ion:252 Resp: 2253471

Ion Ratio Lower Upper

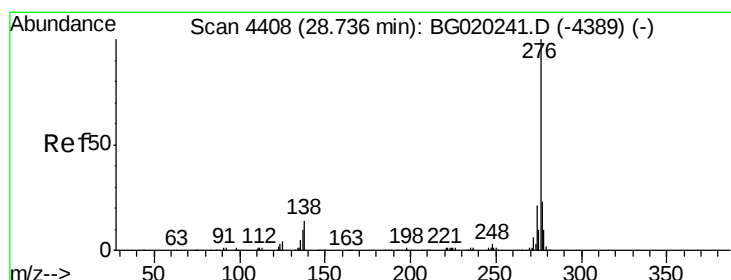
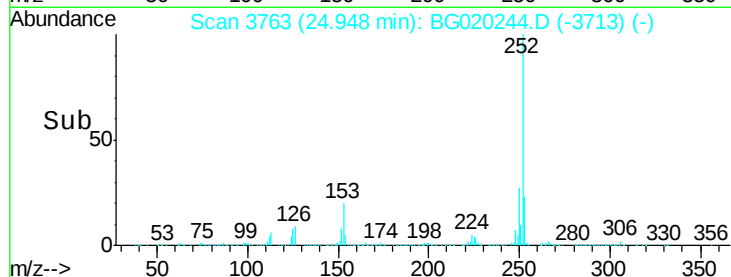
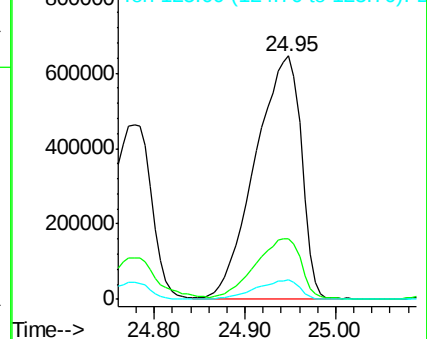
252 100

253 24.9 17.0 25.4

125 7.9 6.2 9.4



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



#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

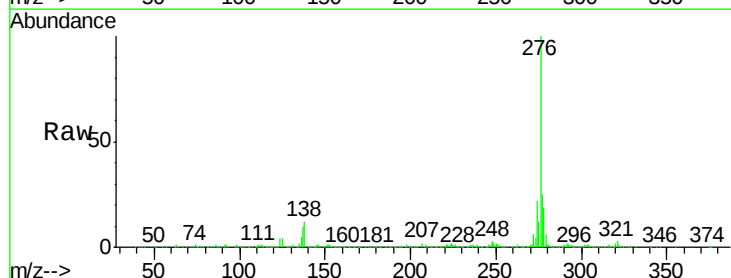
Tgt Ion:276 Resp: 762869

Ion Ratio Lower Upper

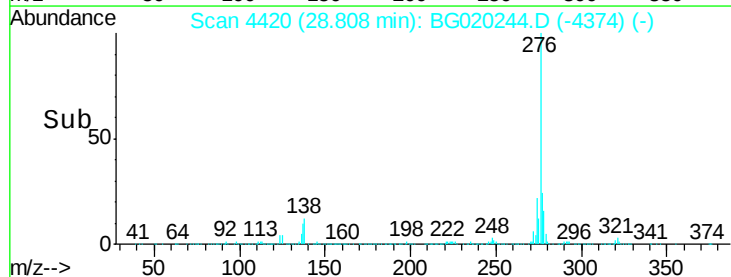
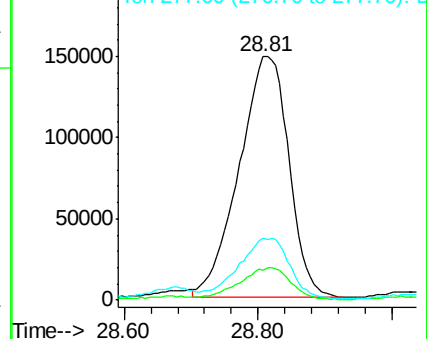
276 100

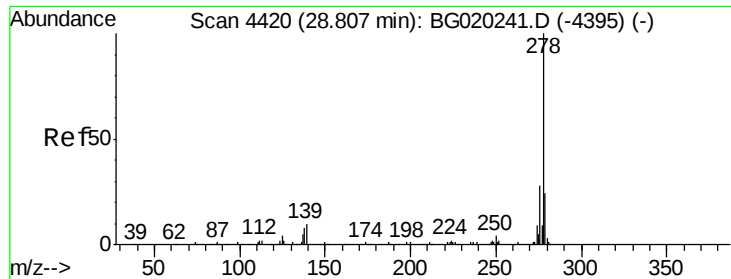
138 12.4 11.4 17.0

277 25.3 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#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

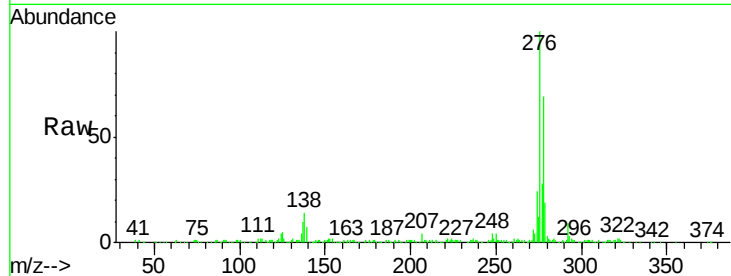
Tgt Ion:278 Resp: 223077

Ion Ratio Lower Upper

278 100

139 10.1 9.4 14.2

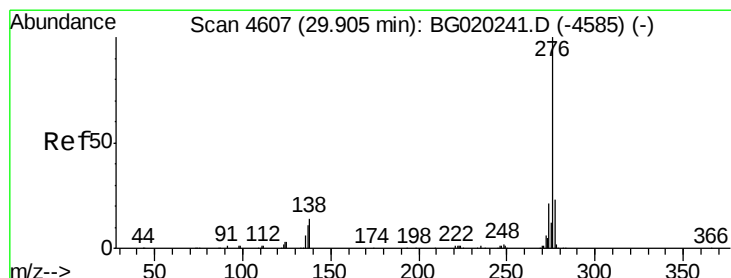
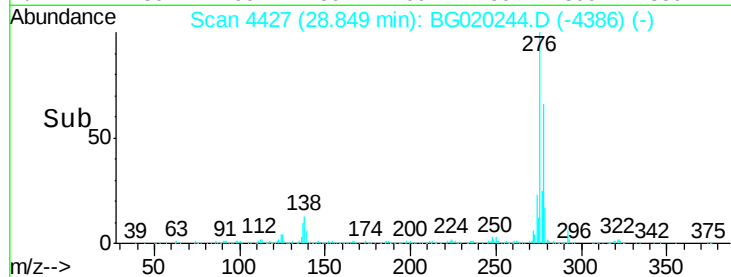
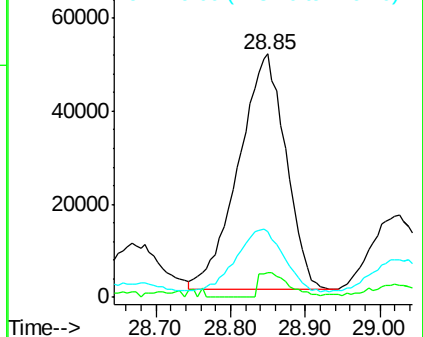
279 27.0 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#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

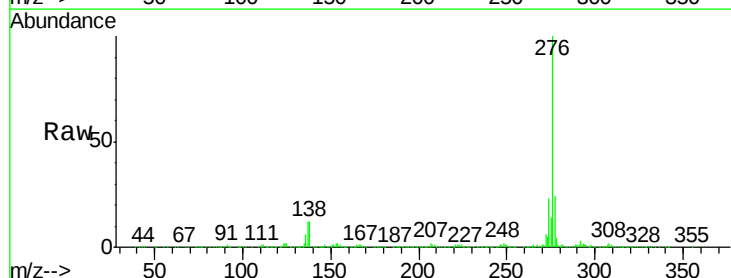
Tgt Ion:276 Resp: 576715

Ion Ratio Lower Upper

276 100

138 12.4 10.8 16.2

277 23.9 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

