

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
 Data File : BG020243.D
 Acq On : 17 Dec 2015 5:24
 Operator : UM/SJ
 Sample : G4767-22
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Quant Time: Dec 17 06:42:28 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	27777	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	13498	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.81	164	136642	20.00	ng/ul	0.08
62) Phenanthrene-d10	17.57	188	81119	20.00	ng/ul	0.11
78) Chrysene-d12	21.89	240	12942	20.00	ng/ul	0.15
86) Perylene-d12	25.19	264	11626	20.00	ng/ul	0.18

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	1152	2.29	ng/uL	0.00
5) Phenol-d5	7.25	99	41410	16.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	27606	18.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	33068	18.56	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	35272	16.84	ng/ul	0.00
19) Nitrobenzene-d5	9.28	128	20935	198.97	ng/ul	0.02
22) 2-Nitrophenol-d4	10.01	143	19912	170.06	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.56	165	35846	151.15	ng/ul	0.04
29) 4-Chloroaniline-d4	11.08	131	311	1.17	ng/ul	0.04
44) Dimethylphthalate-d6	14.20	166	91799	8.31	ng/ul	0.07
47) Acenaphthylene-d8	14.45	160	117705	9.15	ng/ul	0.02
52) 4-Nitrophenol-d4	14.99	143	23196	11.70	ng/ul	0.07
58) Fluorene-d10	15.75	176	42981	4.29	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	15.93	200	849	1.77	ng/ul	0.10
71) Anthracene-d10	17.73	188	907	0.24	ng/ul	0.16
79) Pyrene-d10	20.05	212	577	0.96	ng/ul	0.20
90) Benzo(a)pyrene-d12	24.86	264	157192	271.07	ng/ul	0.08

Target Compounds

						Qvalue
4) Benzaldehyde	7.23	77	4876	3.07	ng/ul#	1
6) Phenol	7.27	94	10912	4.16	ng/ul	95
11) 2-Methylphenol	8.54	108	31213	15.60	ng/ul	93
14) Acetophenone	8.93	105	17112	5.22	ng/ul#	94
16) 4-Methylphenol	8.87	108	46587	21.03	ng/ul	98
17) Hexachloroethane	9.21	117	27061	34.51	ng/ul#	1
20) Nitrobenzene	9.29	77	5871	21.05	ng/ul#	1
23) 2-Nitrophenol	10.19	139	169	1.35	ng/ul#	1
24) 2,4-Dimethylphenol	10.09	107	98338	344.94	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.32	93	1486	5.15	ng/ul#	31
28) Naphthalene	11.10	128	14243654	20206.95	ng/ul#	22
30) 4-Chloroaniline	11.11	127	5429015	19963.40	ng/ul#	11
32) Caprolactam	11.86	113	461	5.36	ng/ul#	55
33) 4-Chloro-3-methylphenol	12.22	107	471	1.63	ng/ul#	1
34) 2-Methylnaphthalene	12.67	142	9556402	17748.91	ng/ul	94
35) 1-Methylnaphthalene	12.88	142	5746039	11100.64	ng/ul#	90
41) 1,1'-Biphenyl	13.61	154	4734243	459.25	ng/ul#	60
43) 2-Nitroaniline	13.95	65	27049	9.64	ng/ul#	35
45) Dimethylphthalate	14.24	163	51079	4.52	ng/ul	97
48) Acenaphthylene	14.49	152	2372182	173.64	ng/ul#	80
50) Acenaphthene	14.88	153	8645508	940.56	ng/ul#	78
54) Dibenzofuran	15.21	168	6673489	488.05	ng/ul#	41
55) 2,4-Dinitrotoluene	15.16	165	57119	16.67	ng/ul#	1

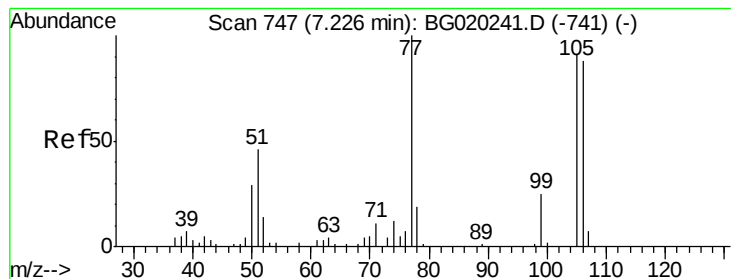
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Fluorene	15.86	166	6516782	593.49	ng/ul#	94
61) 4-Nitroaniline	15.86	138	158807	64.80	ng/ul#	14
64) 4,6-Dinitro-2-methylphenol	15.95	198	898	1.74	ng/ul#	1
65) N-Nitrosodiphenylamine	16.09	169	200047	88.70	ng/ul#	1
70) Phenanthrene	17.61	178	8123054	1830.72	ng/ul#	28
72) Anthracene	17.77	178	2690118	597.76	ng/ul#	20
75) Carbazole	17.96	167	3796578	1004.01	ng/ul#	64
77) Fluoranthene	19.75	202	247417	47.71	ng/ul	97
80) Pyrene	19.99	202	7352732	9386.87	ng/ul#	3
81) Butylbenzylphthalate	20.89	149	378	1.39	ng/ul#	1
82) 3,3'-Dichlorobenzidine	21.76	252	377	1.59	ng/ul#	1
83) Benzo(a)anthracene	21.90	228	5432521	7193.89	ng/ul#	39
84) Bis(2-ethylhexyl)phthalate	21.73	149	4578	11.76	ng/ul#	23
85) Chrysene	21.94	228	8670	12.19	ng/ul#	1
88) Benzo(b)fluoranthene	24.09	252	5226748	7469.45	ng/ul#	84
89) Benzo(k)fluoranthene	24.31	252	833459	1241.21	ng/ul	93
91) Benzo(a)pyrene	24.98	252	3149043	4747.47	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	29.02	276	12219	15.47	ng/ul#	52
93) Dibenzo(a,h)anthracene	29.04	278	112107	170.98	ng/ul	93
94) Benzo(g,h,i)perylene	30.02	276	789738	1219.57	ng/ul	99

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



#4

Benzaldehyde

Concen: 3.07 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

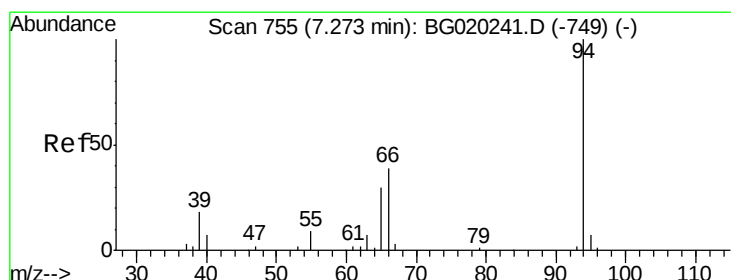
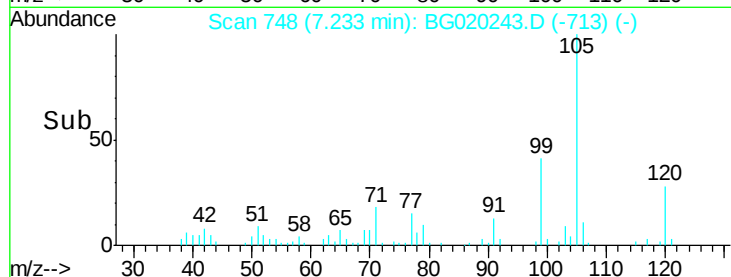
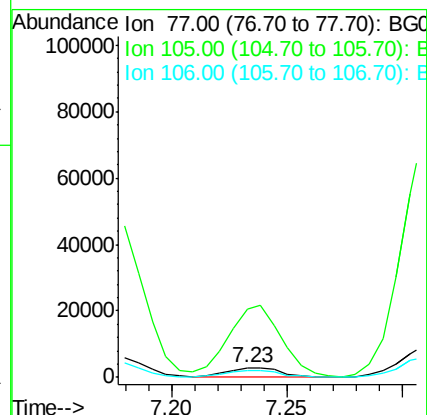
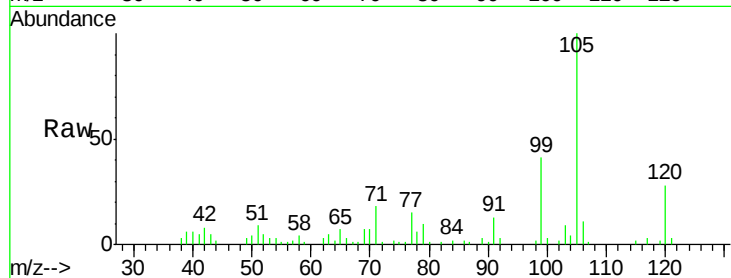
Tgt Ion: 77 Resp: 4876

Ion Ratio Lower Upper

77 100

105 688.2 77.8 116.6#

106 72.5 72.6 109.0#



#6

Phenol

Concen: 4.16 ng/ul

RT: 7.27 min Scan# 755

Delta R.T. 0.00 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

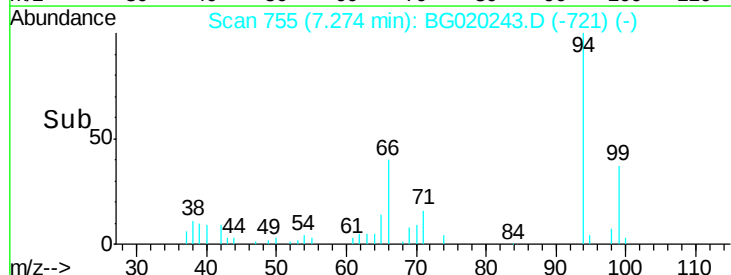
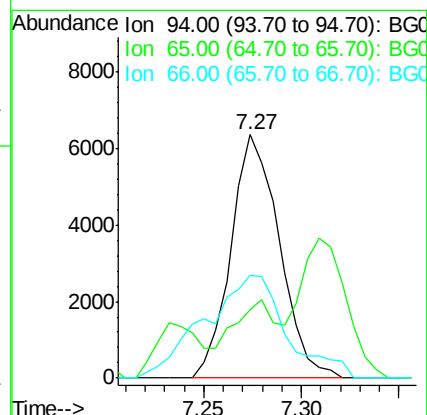
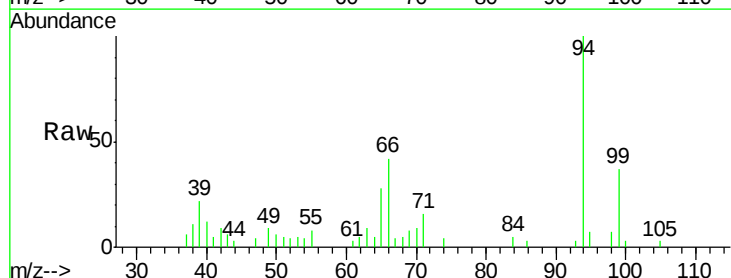
Tgt Ion: 94 Resp: 10912

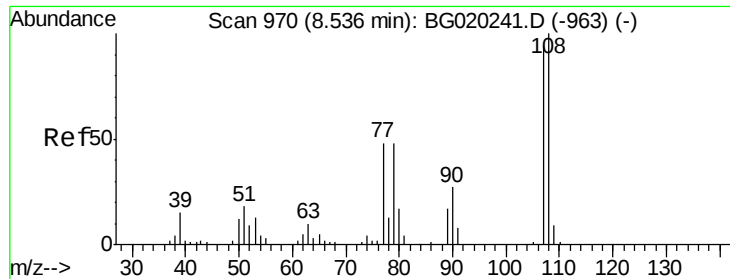
Ion Ratio Lower Upper

94 100

65 27.8 26.3 39.5

66 42.4 33.3 49.9

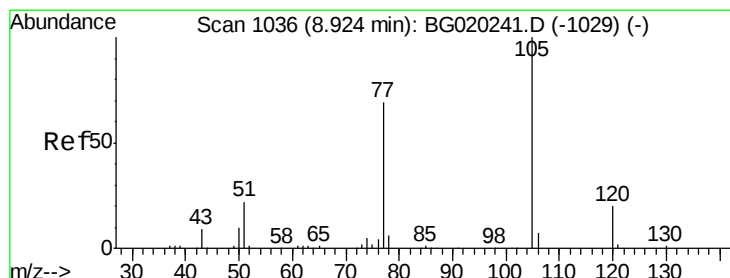
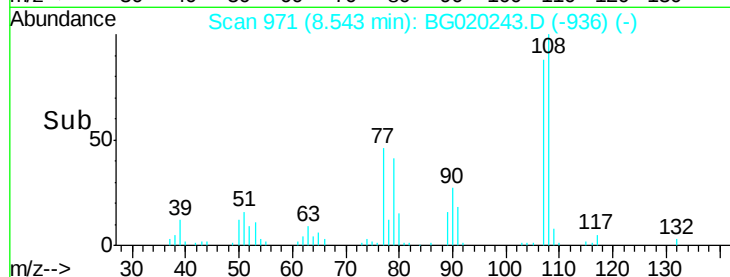
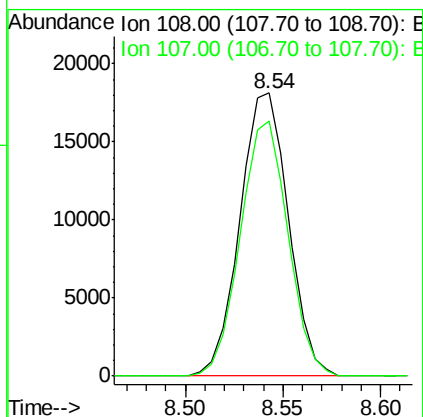
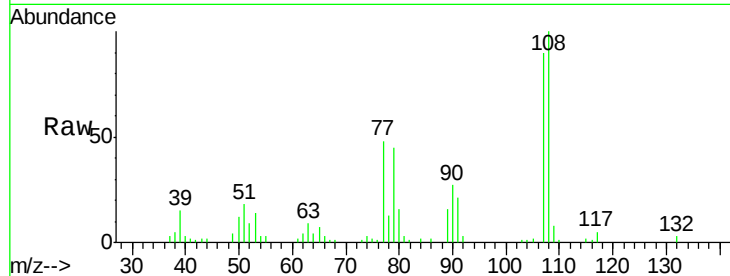




#11
2-Methylphenol
Concen: 15.60 ng/ul
RT: 8.54 min Scan# 971
Delta R.T. 0.01 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

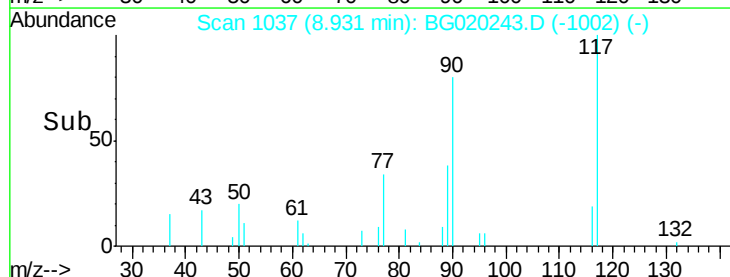
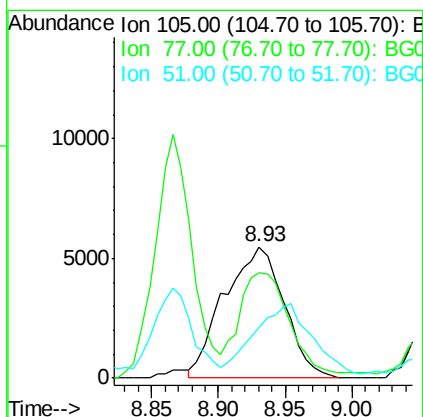
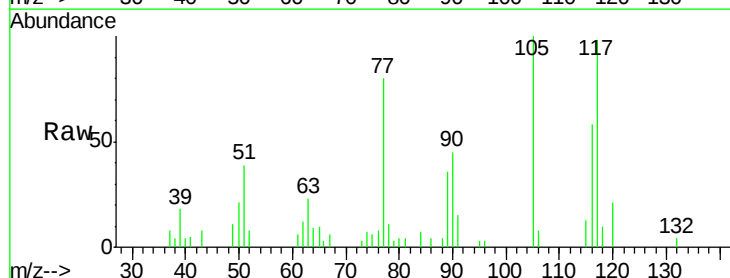
Instrument :
BNA_G
ClientSampleId :
D9N44

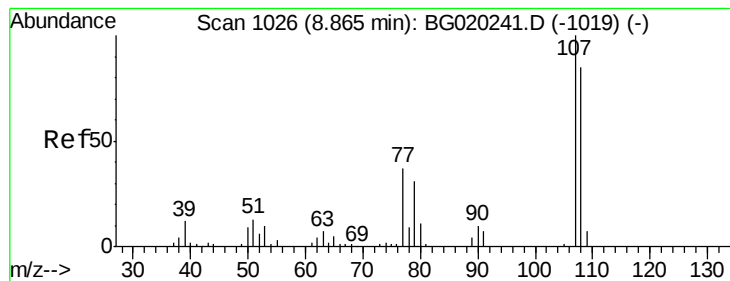
Tgt Ion:108 Resp: 31213
Ion Ratio Lower Upper
108 100
107 90.4 67.5 101.3



#14
Acetophenone
Concen: 5.22 ng/ul
RT: 8.93 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:105 Resp: 17112
Ion Ratio Lower Upper
105 100
77 80.3 65.2 97.8
51 38.6 22.6 33.8#





#16

4-Methylphenol

Concen: 21.03 ng/ul

RT: 8.87 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

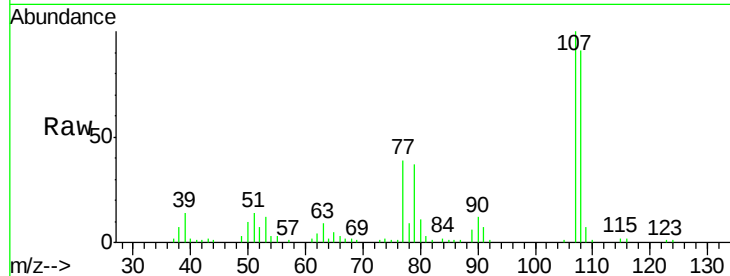
D9N44

Tgt Ion:108 Resp: 46587

Ion Ratio Lower Upper

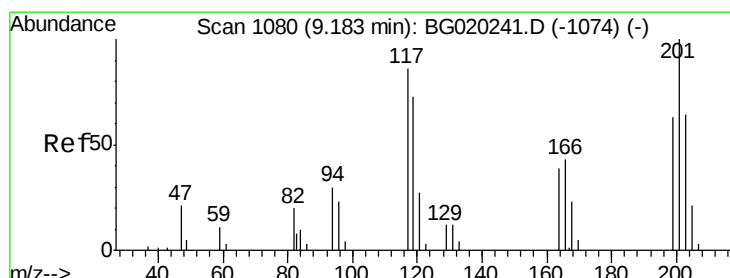
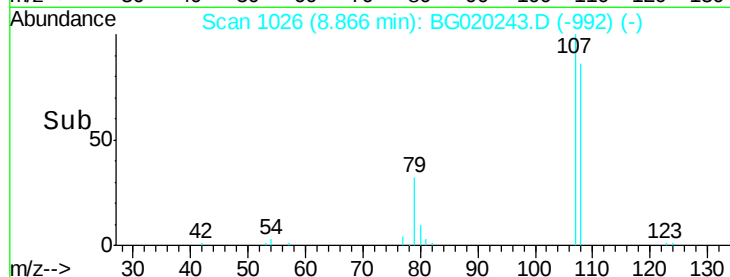
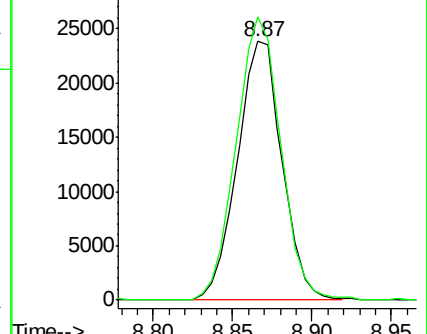
108 100

107 109.4 88.9 133.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#17

Hexachloroethane

Concen: 34.51 ng/ul

RT: 9.21 min Scan# 1085

Delta R.T. 0.03 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

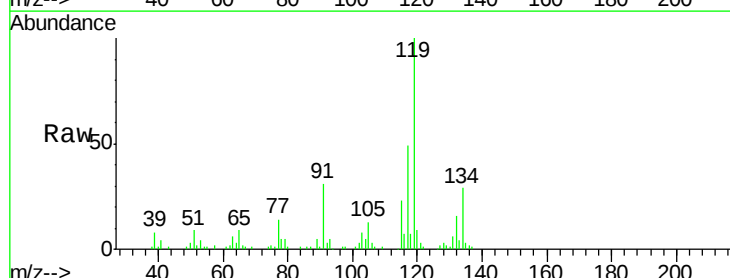
Tgt Ion:117 Resp: 27061

Ion Ratio Lower Upper

117 100

201 0.0 102.7 154.1#

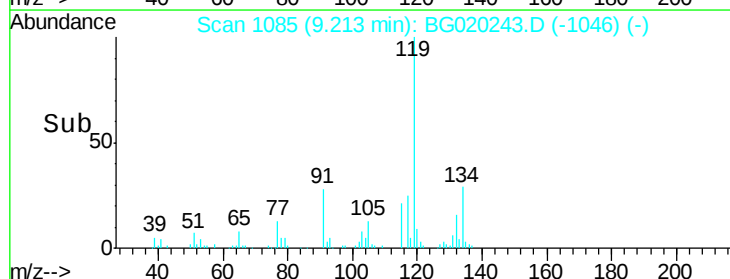
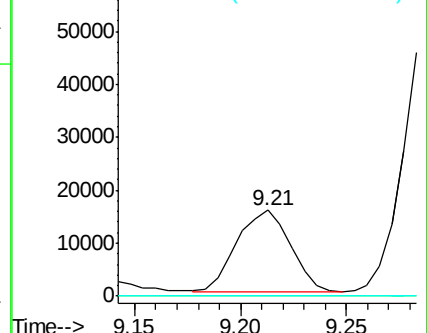
199 0.0 65.8 98.8#

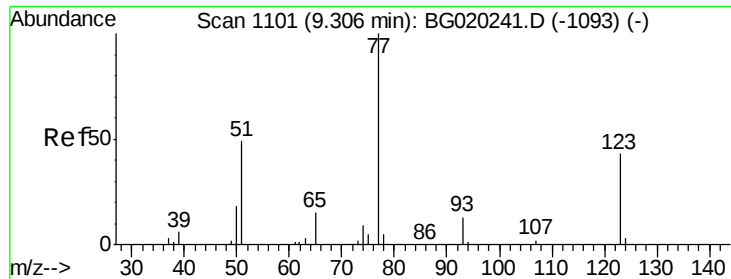


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

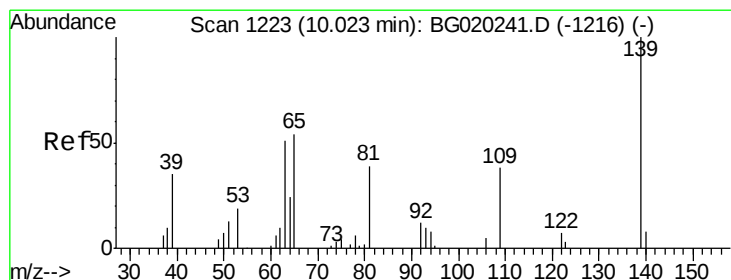
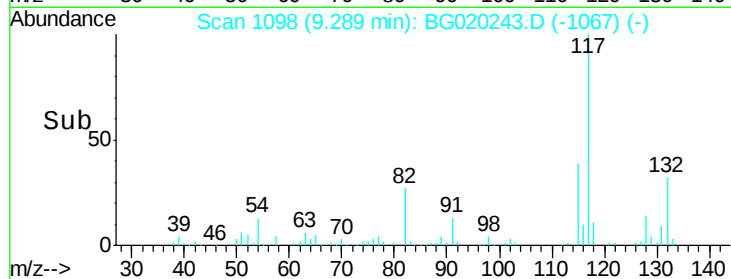
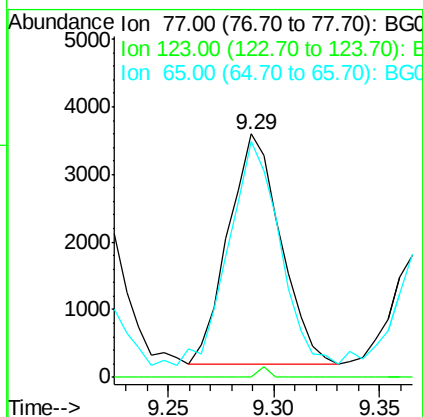
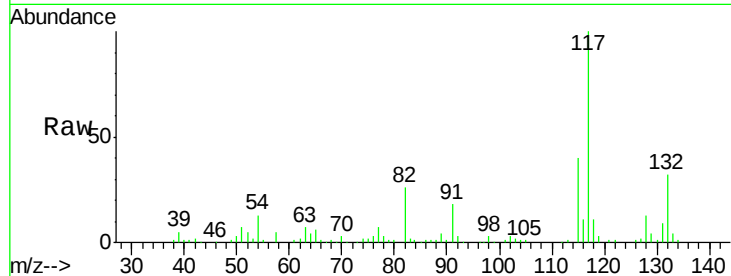




#20
Nitrobenzene
Concen: 21.05 ng/ul
RT: 9.29 min Scan# 1098
Delta R.T. -0.02 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

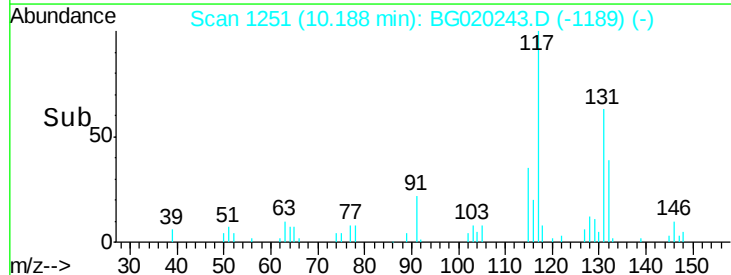
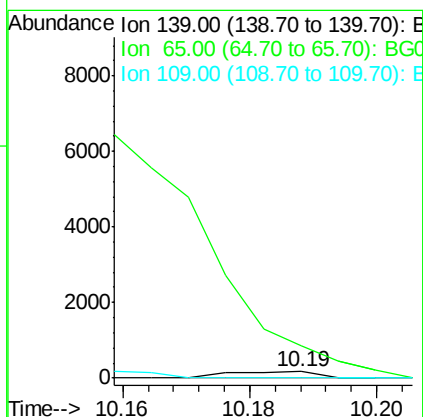
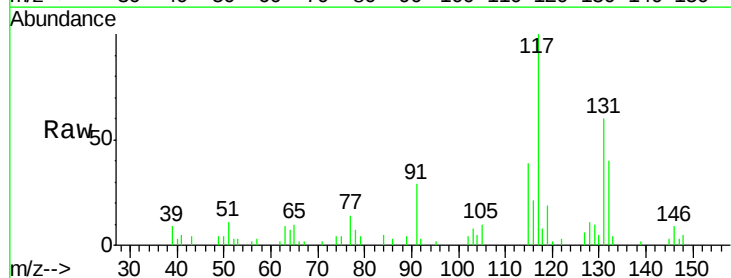
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D9N44

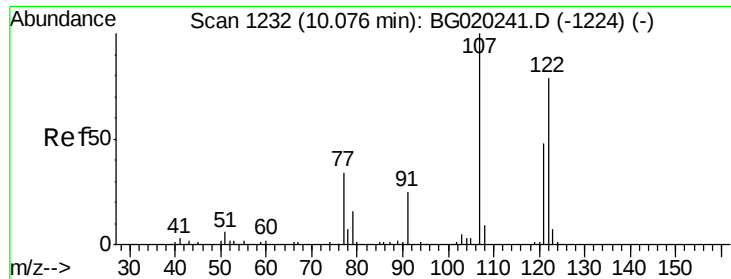
Tgt Ion: 77 Resp: 5871
Ion Ratio Lower Upper
77 100
123 0.0 33.4 50.0#
65 97.2 11.7 17.5#



#23
2-Nitrophenol
Concen: 1.35 ng/ul
RT: 10.19 min Scan# 1251
Delta R.T. 0.17 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion: 139 Resp: 169
Ion Ratio Lower Upper
139 100
65 510.1 45.1 67.7#
109 0.0 29.6 44.4#

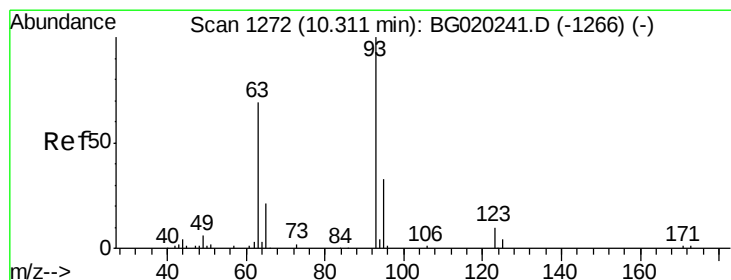
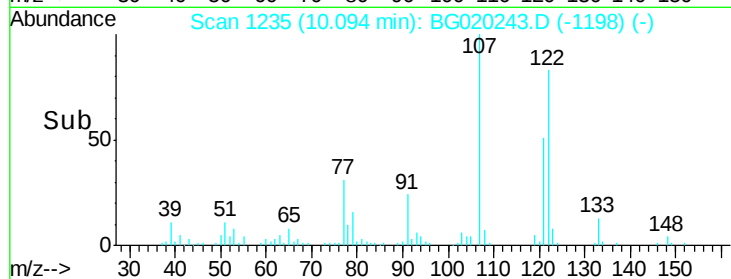
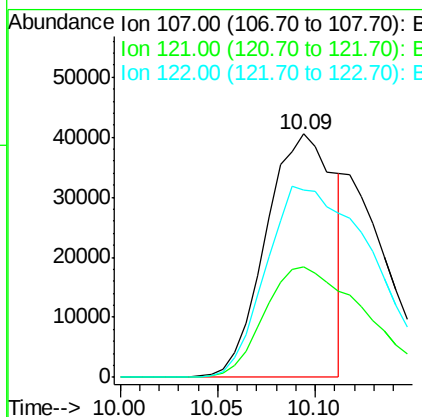
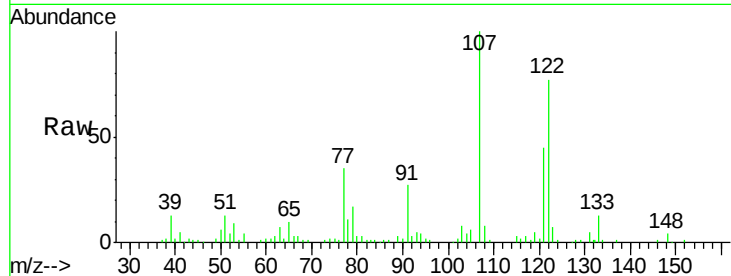




#24
 2,4-Dimethylphenol
 Concen: 344.94 ng/ul
 RT: 10.09 min Scan# 1235
 Delta R.T. 0.02 min
 Lab File: BG020243.D
 Acq: 17 Dec 2015 5:24

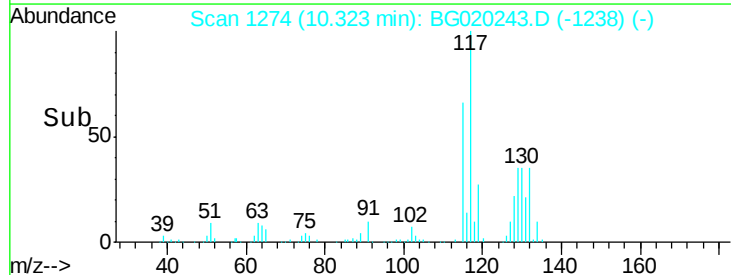
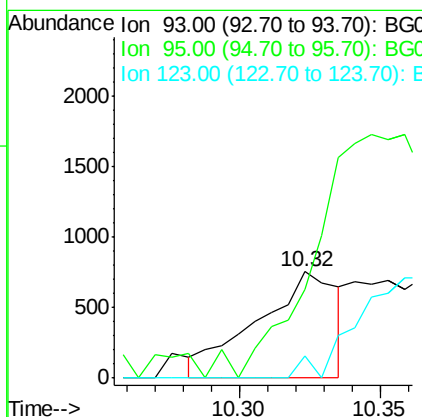
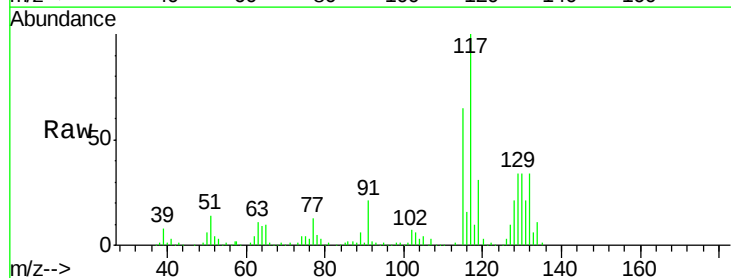
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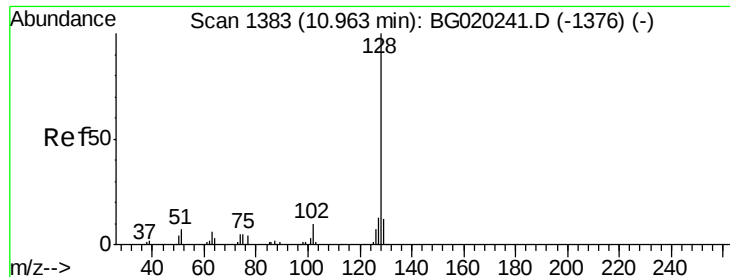
Tgt Ion: 107 Resp: 98338
 Ion Ratio Lower Upper
 107 100
 121 45.3 39.0 58.4
 122 76.7 62.1 93.1



#25
 Bis(2-Chloroethoxy)methane
 Concen: 5.15 ng/ul
 RT: 10.32 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BG020243.D
 Acq: 17 Dec 2015 5:24

Tgt Ion: 93 Resp: 1486
 Ion Ratio Lower Upper
 93 100
 95 82.8 27.4 41.2#
 123 20.4 9.4 14.0#





#28

Naphthalene

Concen: 20206.95 ng/ul

RT: 11.10 min Scan# 1407

Delta R.T. 0.14 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

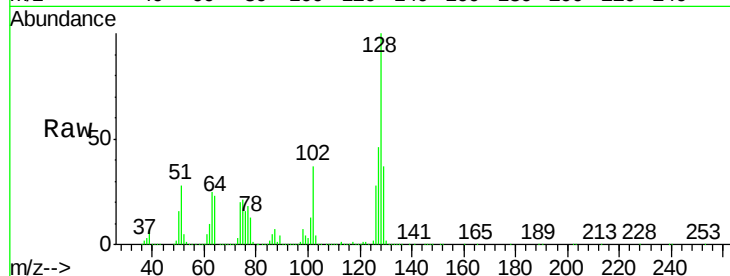
Tgt Ion:128 Resp:14243654

Ion Ratio Lower Upper

128 100

129 37.4 8.6 12.8#

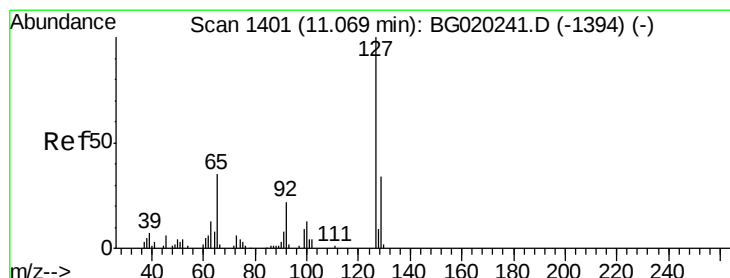
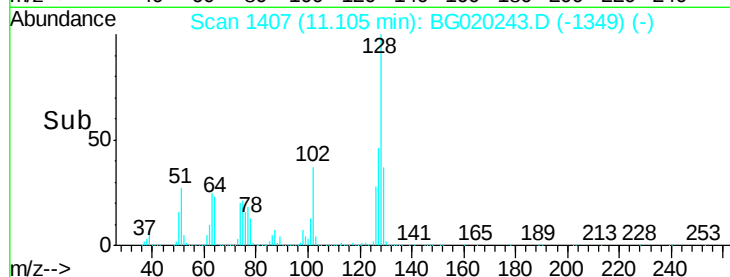
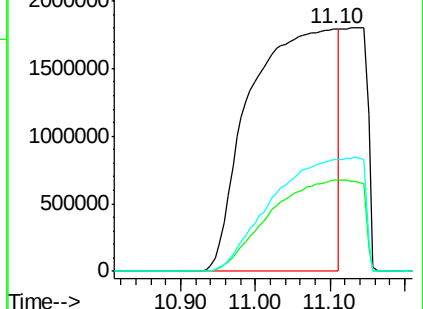
127 46.0 10.1 15.1#



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: 19963.40 ng/ul

RT: 11.11 min Scan# 1408

Delta R.T. 0.04 min

Lab File: BG020243.D

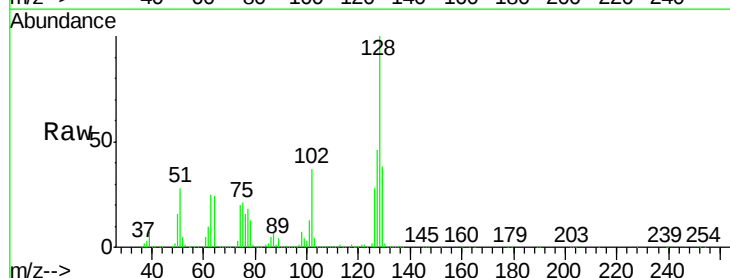
Acq: 17 Dec 2015 5:24

Tgt Ion:127 Resp: 5429015

Ion Ratio Lower Upper

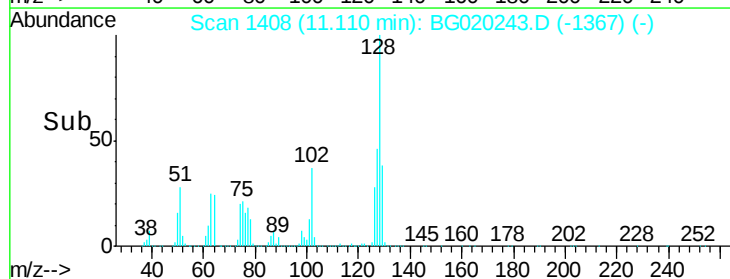
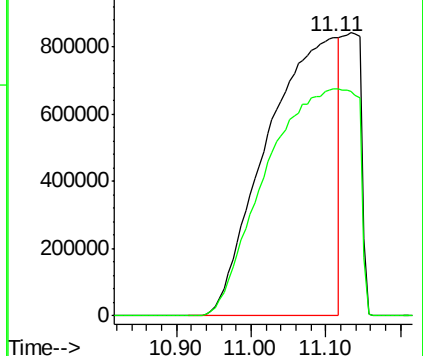
127 100

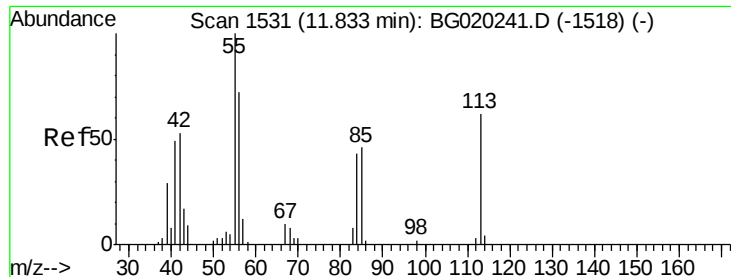
129 81.6 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 5.36 ng/ul

RT: 11.86 min Scan# 1535

Delta R.T. 0.02 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

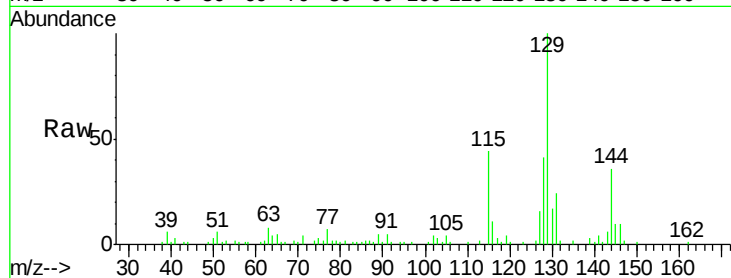
Tgt Ion:113 Resp: 461

Ion Ratio Lower Upper

113 100

55 130.6 132.1 198.1#

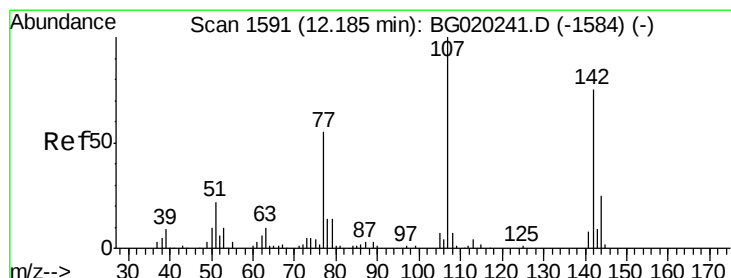
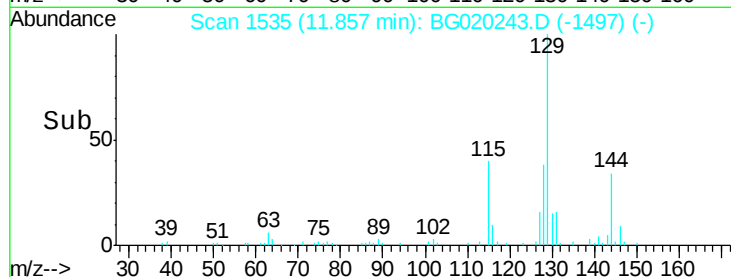
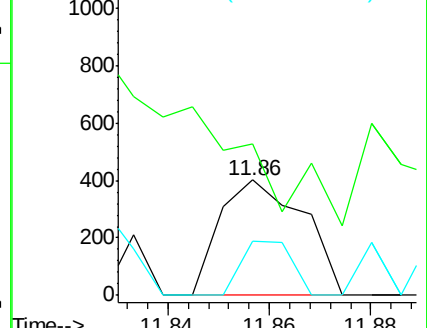
56 47.0 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#33

4-Chloro-3-methylphenol

Concen: 1.63 ng/ul

RT: 12.22 min Scan# 1596

Delta R.T. 0.03 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

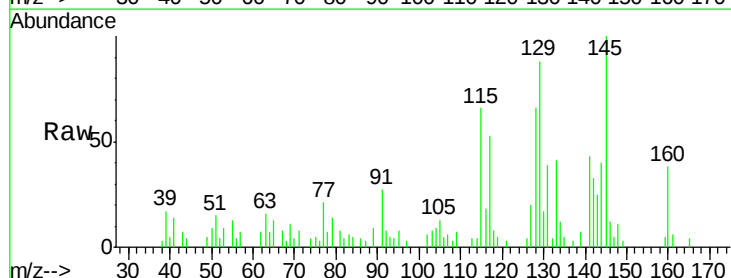
Tgt Ion:107 Resp: 471

Ion Ratio Lower Upper

107 100

144 646.3 18.7 28.1#

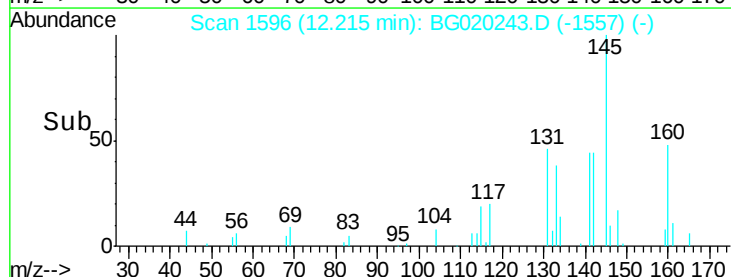
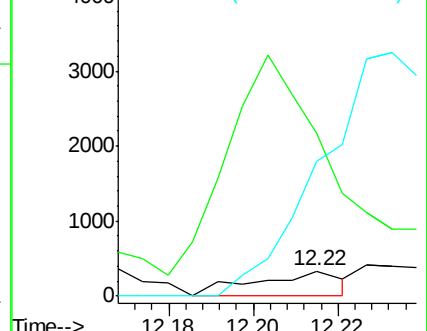
142 534.7 52.8 79.2#

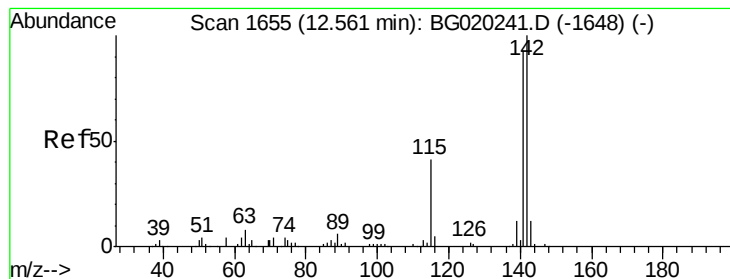


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#34

2-Methylnaphthalene

Concen: 17748.91 ng/ul

RT: 12.67 min Scan# 1674

Delta R.T. 0.11 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

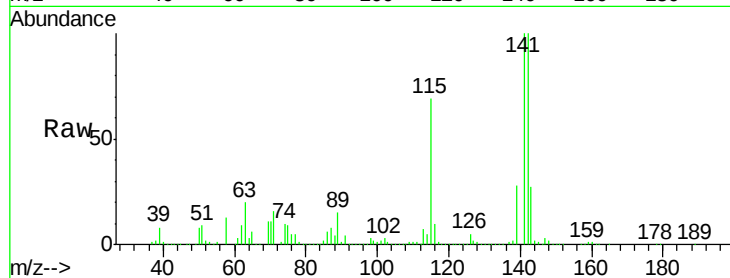
D9N44

Tgt Ion:142 Resp: 9556402

Ion Ratio Lower Upper

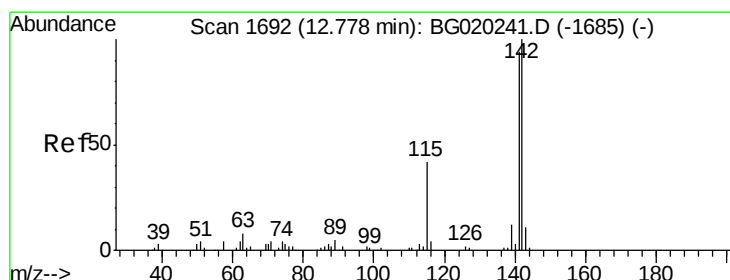
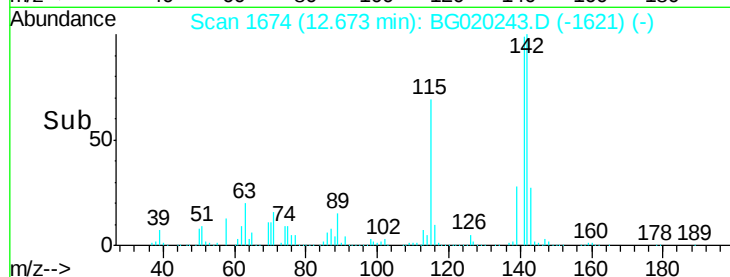
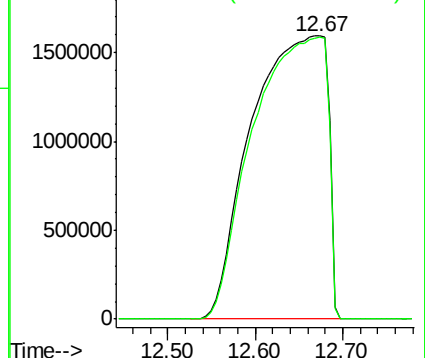
142 100

141 99.5 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: 11100.64 ng/ul

RT: 12.88 min Scan# 1709

Delta R.T. 0.10 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

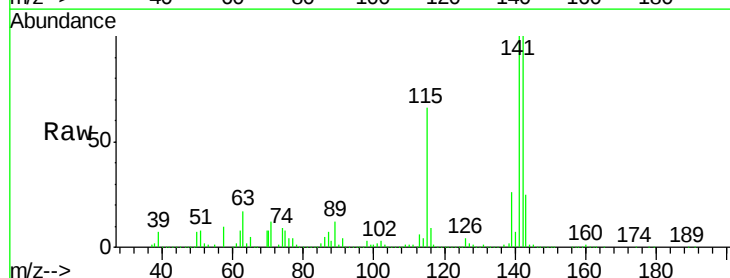
Tgt Ion:142 Resp: 5746039

Ion Ratio Lower Upper

142 100

141 100.1 73.0 109.6

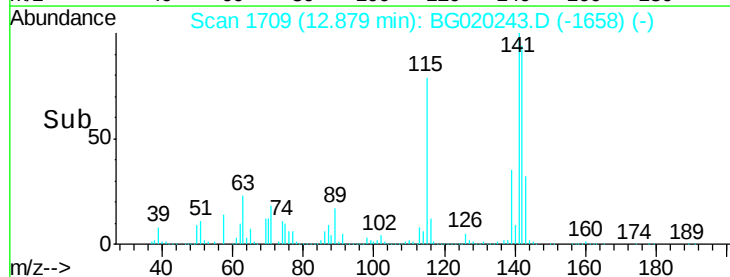
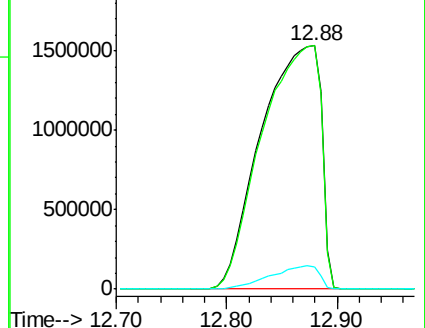
116 9.2 3.0 4.6#

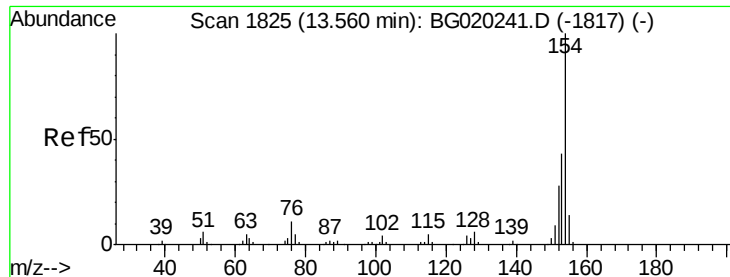


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

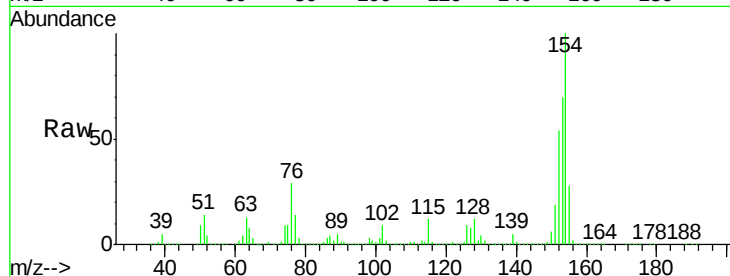




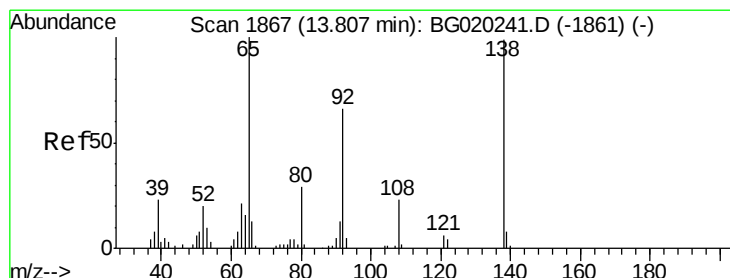
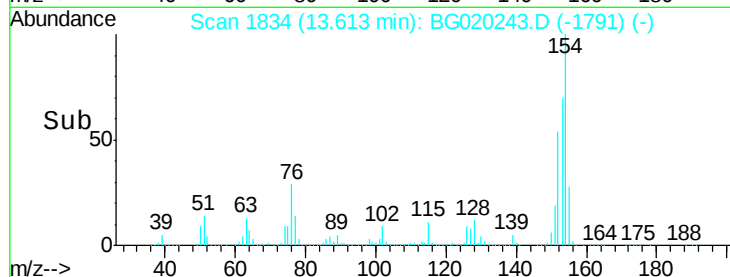
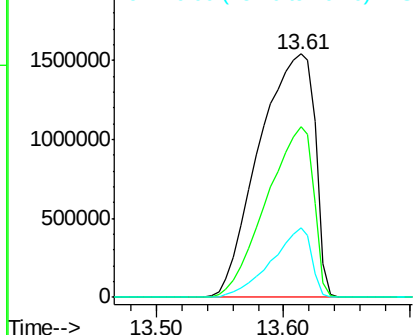
#41
 1,1'-Biphenyl
 Concen: 459.25 ng/ul
 RT: 13.61 min Scan# 1834
 Delta R.T. 0.05 min
 Lab File: BG020243.D
 Acq: 17 Dec 2015 5:24

Instrument :
 BNA_G
 ClientSampleId :
 D9N44

Tgt Ion:154 Resp: 4734243
 Ion Ratio Lower Upper
 154 100
 153 70.3 35.5 53.3#
 76 28.8 10.4 15.6#

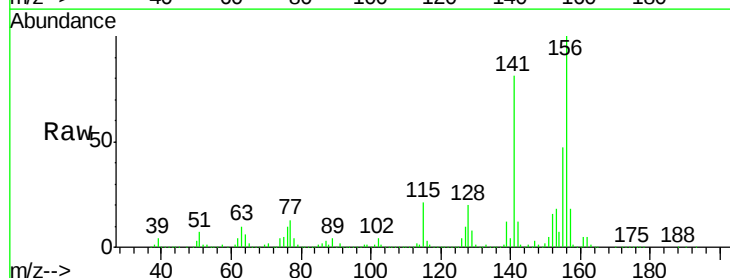


Abundance Ion 154.00 (153.70 to 154.70): BGC
 Ion 153.00 (152.70 to 153.70): BGC
 Ion 76.00 (75.70 to 76.70): BGC

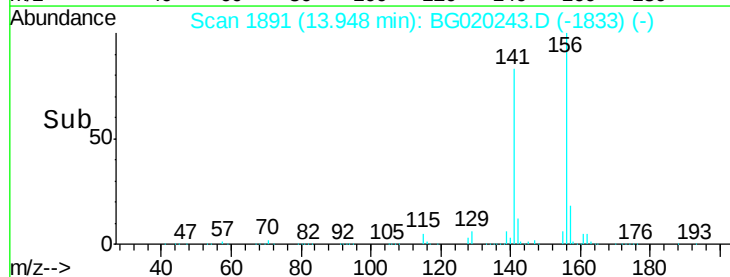
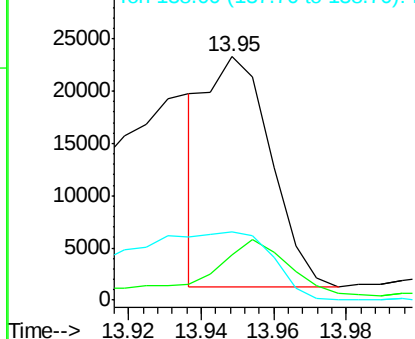


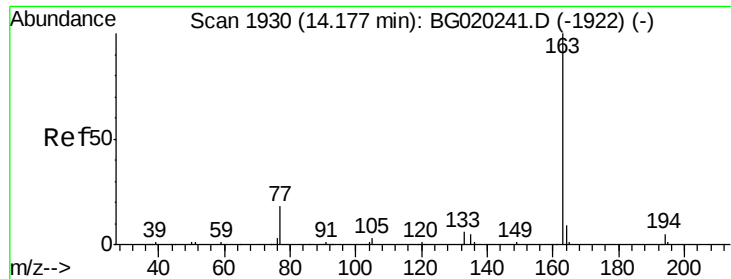
#43
 2-Nitroaniline
 Concen: 9.64 ng/ul
 RT: 13.95 min Scan# 1891
 Delta R.T. 0.14 min
 Lab File: BG020243.D
 Acq: 17 Dec 2015 5:24

Tgt Ion: 65 Resp: 27049
 Ion Ratio Lower Upper
 65 100
 92 18.6 53.1 79.7#
 138 28.2 76.6 114.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): BGC

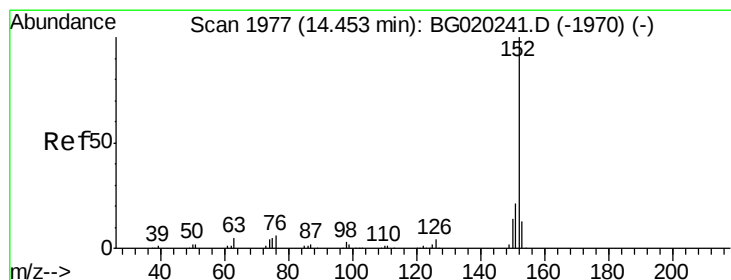
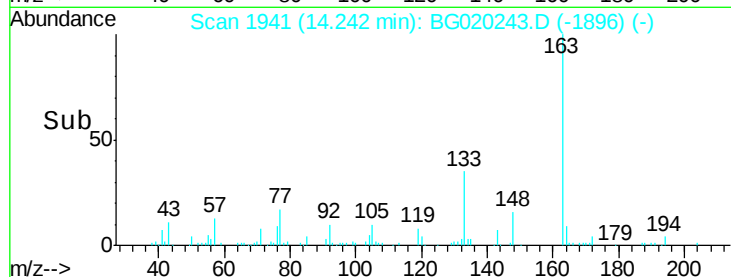
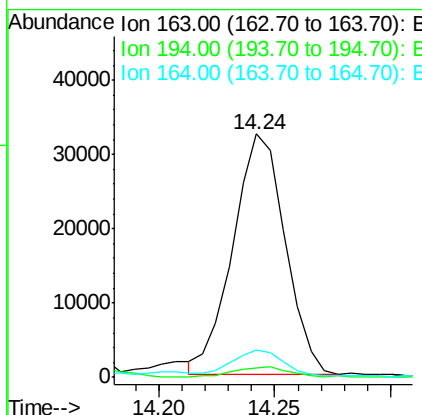
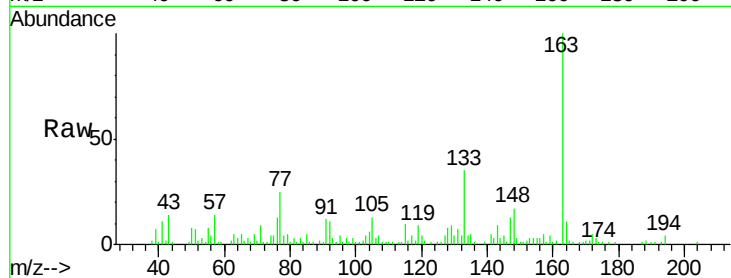




#45
Dimethylphthalate
Concen: 4.52 ng/ul
RT: 14.24 min Scan# 1941
Delta R.T. 0.07 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

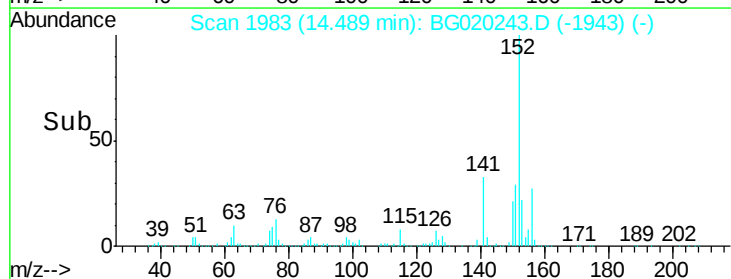
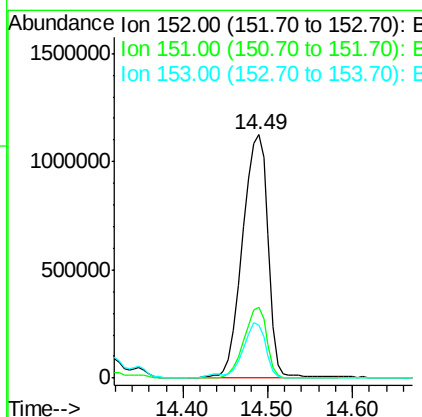
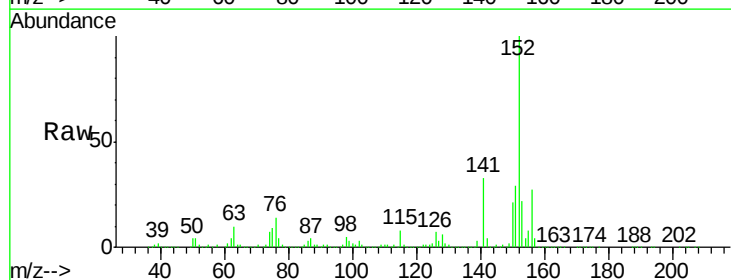
Instrument :
BNA_G
ClientSampleId :
D9N44

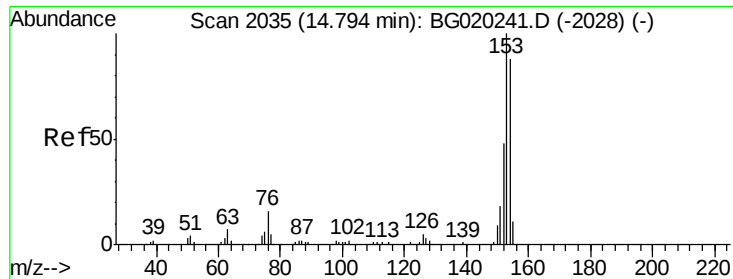
Tgt Ion:163 Resp: 51079
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 11.1 7.7 11.5



#48
Acenaphthylene
Concen: 173.64 ng/ul
RT: 14.49 min Scan# 1983
Delta R.T. 0.04 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:152 Resp: 2372182
Ion Ratio Lower Upper
152 100
151 28.8 16.4 24.6#
153 22.0 10.4 15.6#





#50

Acenaphthene

Concen: 940.56 ng/ul

RT: 14.88 min Scan# 2050

Delta R.T. 0.09 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

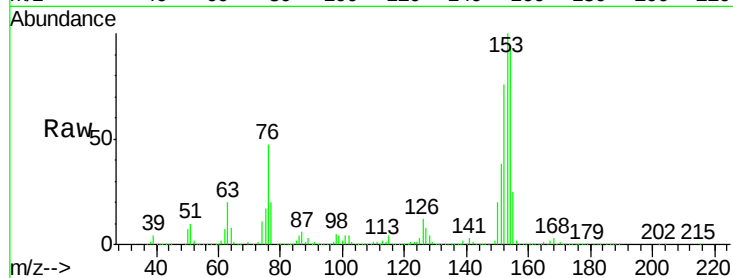
Tgt Ion:153 Resp: 8645508

Ion Ratio Lower Upper

153 100

152 76.0 37.6 56.4#

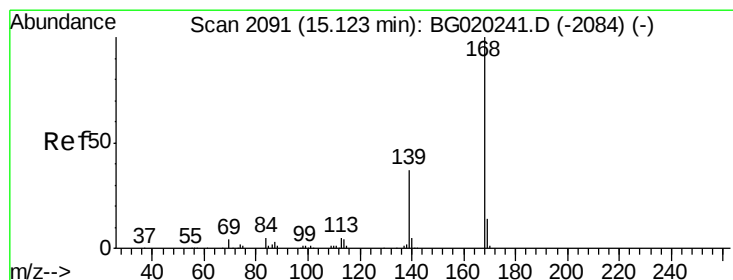
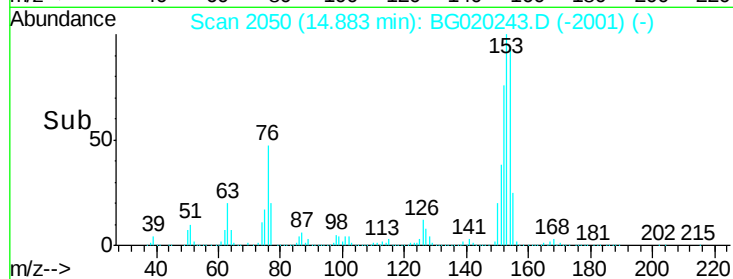
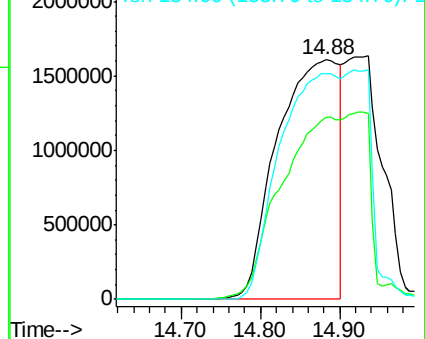
154 94.4 67.9 101.9



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



#54

Dibenzofuran

Concen: 488.05 ng/ul

RT: 15.21 min Scan# 2106

Delta R.T. 0.09 min

Lab File: BG020243.D

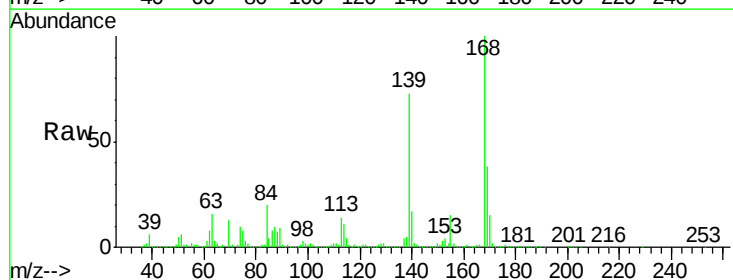
Acq: 17 Dec 2015 5:24

Tgt Ion:168 Resp: 6673489

Ion Ratio Lower Upper

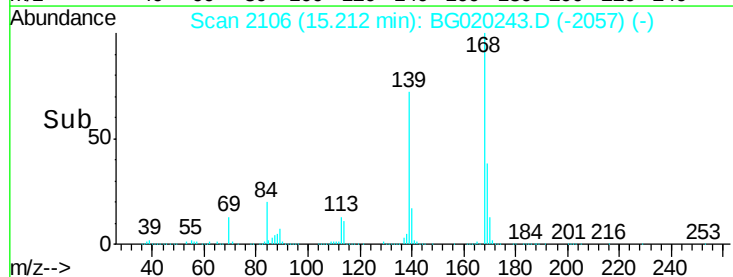
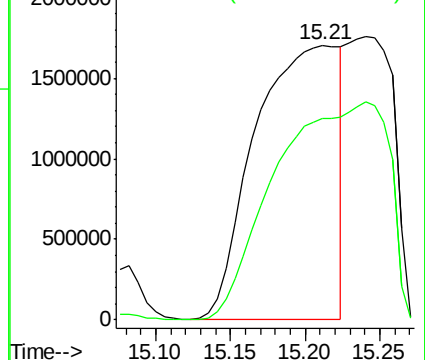
168 100

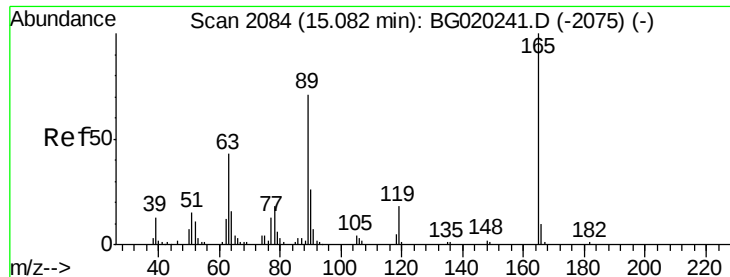
139 73.5 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,4-Dinitrotoluene

Concen: 16.67 ng/ul

RT: 15.16 min Scan# 2098

Delta R.T. 0.08 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

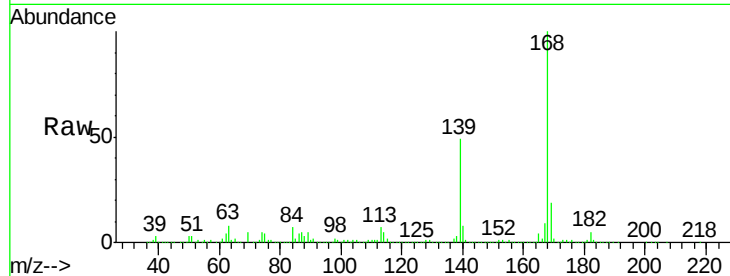
Tgt Ion:165 Resp: 57119

Ion Ratio Lower Upper

165 100

63 228.4 35.8 53.8#

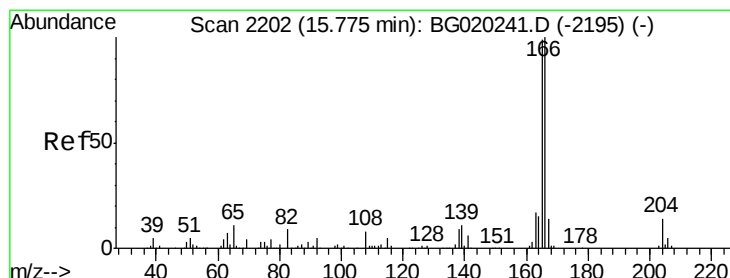
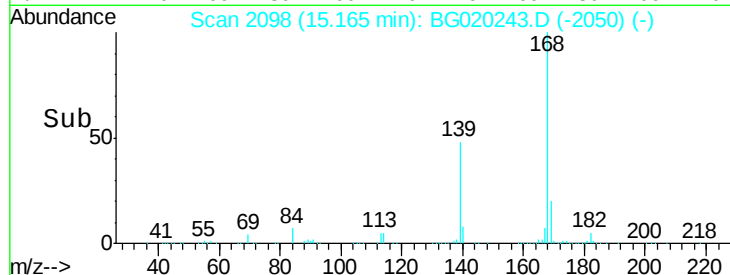
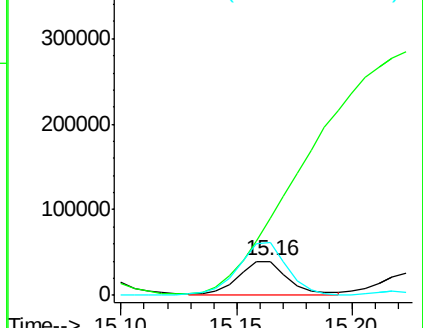
182 156.3 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 182.00 (181.70 to 182.70): E



#59

Fluorene

Concen: 593.49 ng/ul

RT: 15.86 min Scan# 2217

Delta R.T. 0.09 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

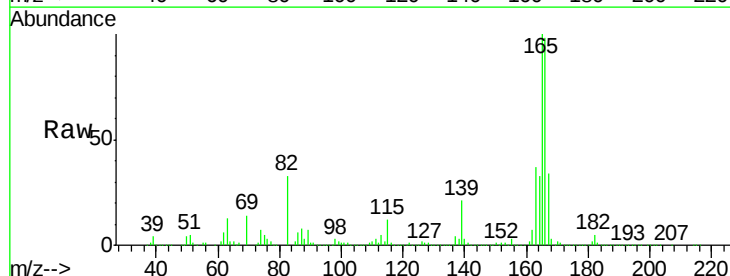
Tgt Ion:166 Resp: 6516782

Ion Ratio Lower Upper

166 100

165 102.0 81.4 122.0

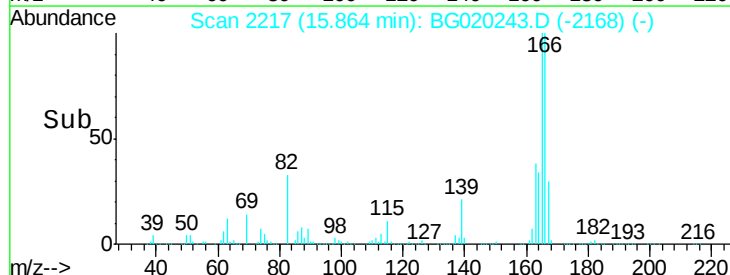
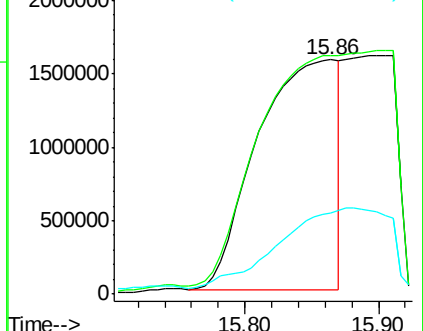
167 34.6 11.2 16.8#

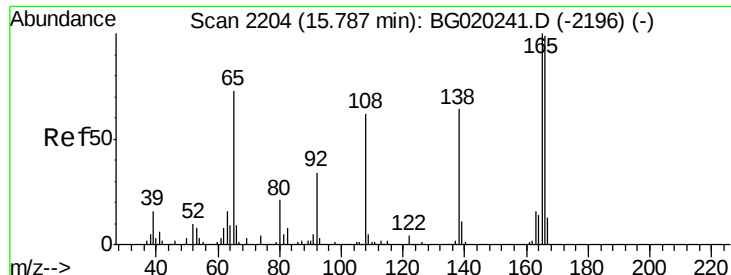


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

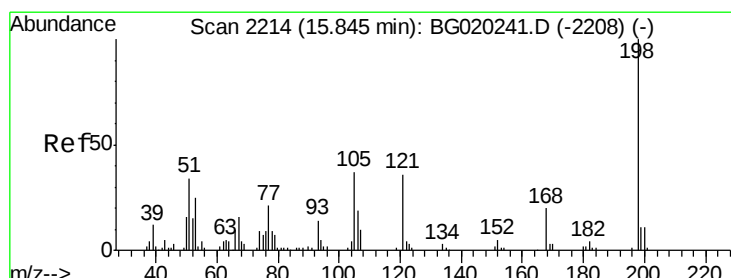
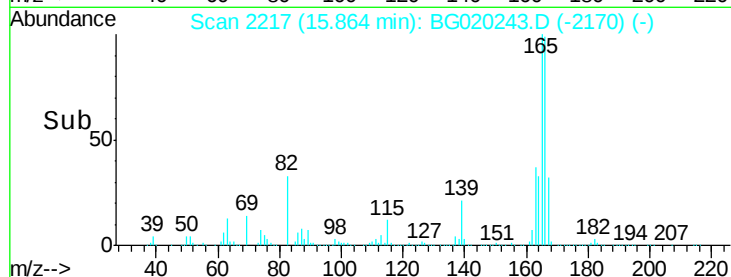
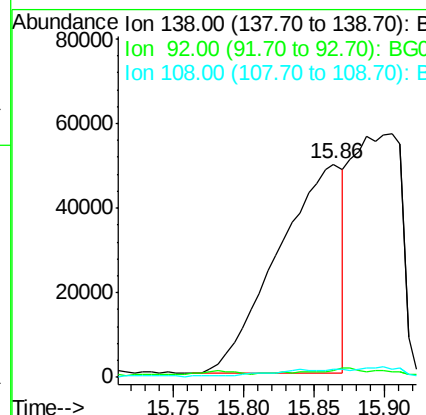
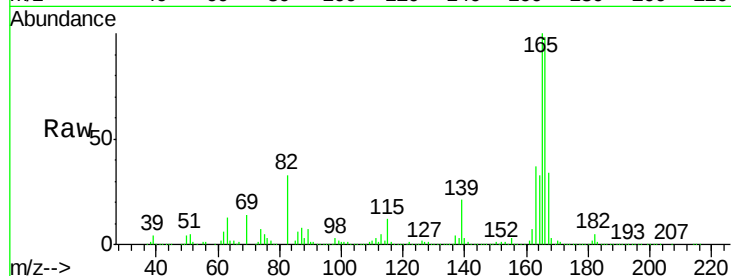




#61
4-Nitroaniline
Concen: 64.80 ng/ul
RT: 15.86 min Scan# 2217
Delta R.T. 0.08 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

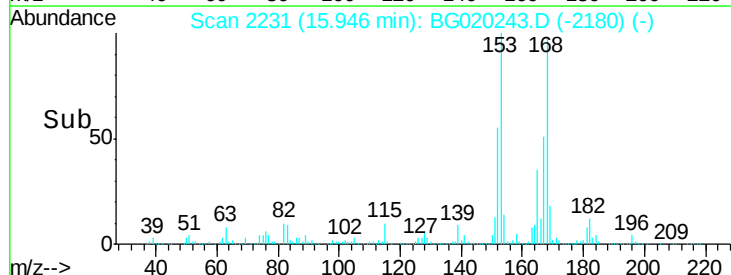
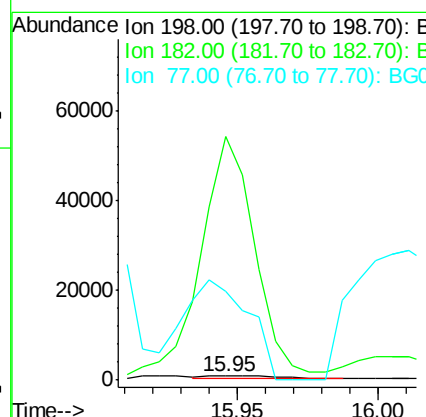
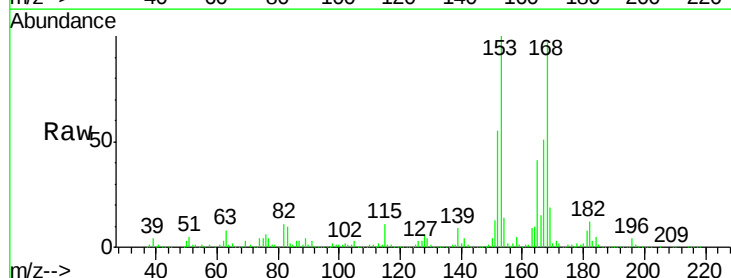
Instrument :
BNA_G
ClientSampleId :
D9N44

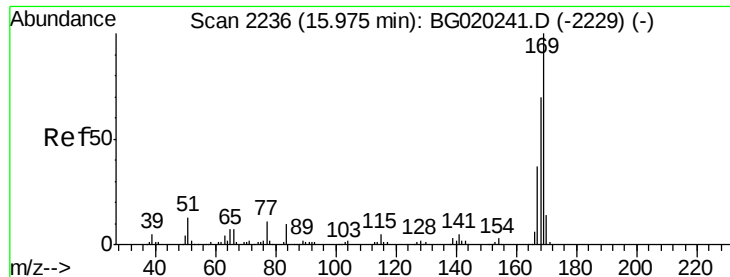
Tgt Ion:138 Resp: 158807
Ion Ratio Lower Upper
138 100
92 3.1 45.2 67.8#
108 3.5 75.4 113.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 1.74 ng/ul
RT: 15.95 min Scan# 2231
Delta R.T. 0.10 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion:198 Resp: 898
Ion Ratio Lower Upper
198 100
182 5946.0 2.5 3.7#
77 2160.3 17.7 26.5#

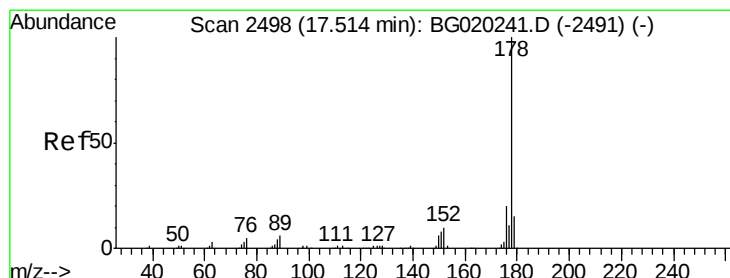
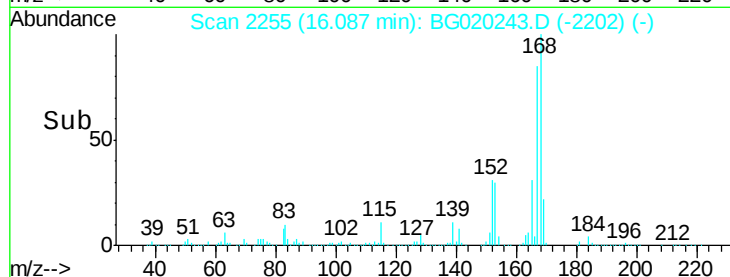
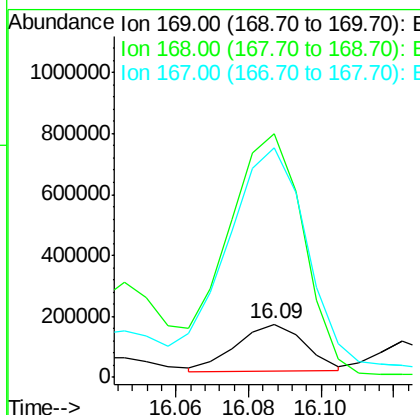
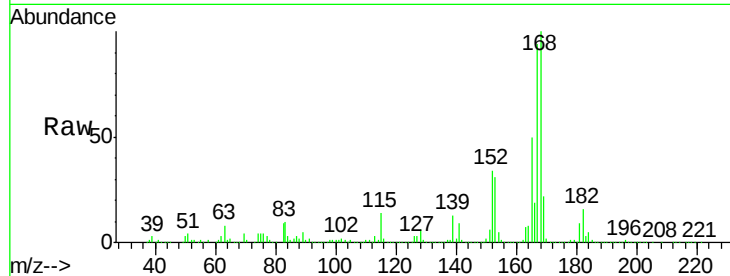




#65
 N-Nitrosodiphenylamine
 Concen: 88.70 ng/ul
 RT: 16.09 min Scan# 2255
 Delta R.T. 0.11 min
 Lab File: BG020243.D
 Acq: 17 Dec 2015 5:24

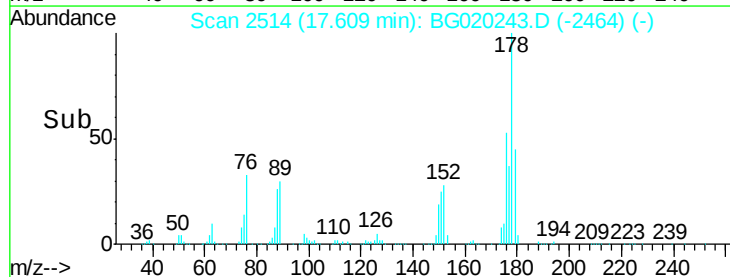
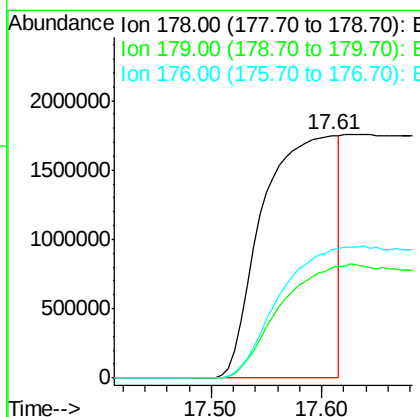
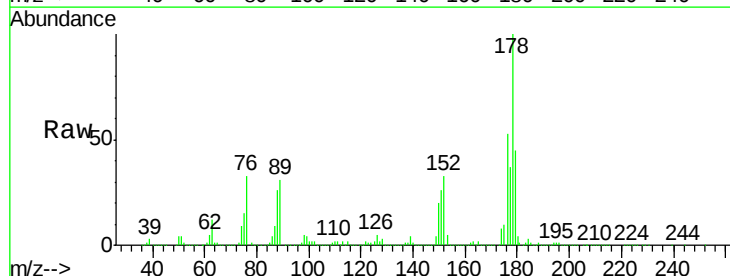
Instrument :
 BNA_G
 ClientSampleId :
 D9N44

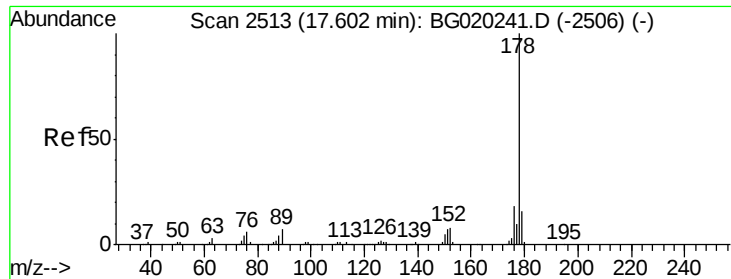
Tgt Ion:169 Resp: 200047
 Ion Ratio Lower Upper
 169 100
 168 456.0 54.3 81.5#
 167 430.2 31.8 47.8#



#70
 Phenanthrene
 Concen: 1830.72 ng/ul
 RT: 17.61 min Scan# 2514
 Delta R.T. 0.09 min
 Lab File: BG020243.D
 Acq: 17 Dec 2015 5:24

Tgt Ion:178 Resp: 8123054
 Ion Ratio Lower Upper
 178 100
 179 45.4 12.9 19.3#
 176 52.6 15.3 22.9#





#72

Anthracene

Concen: 597.76 ng/ul

RT: 17.77 min Scan# 2542

Delta R.T. 0.17 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

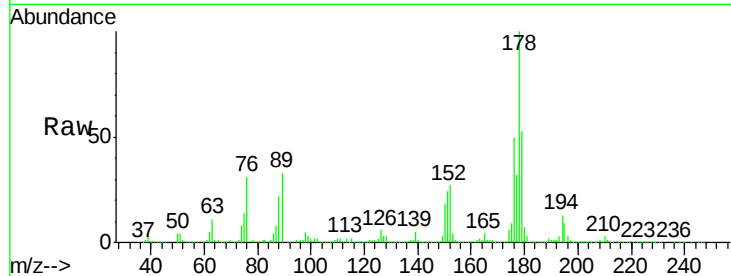
Tgt Ion:178 Resp: 2690118

Ion Ratio Lower Upper

178 100

179 53.3 12.3 18.5#

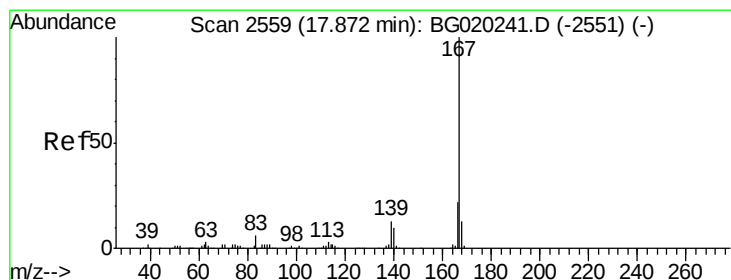
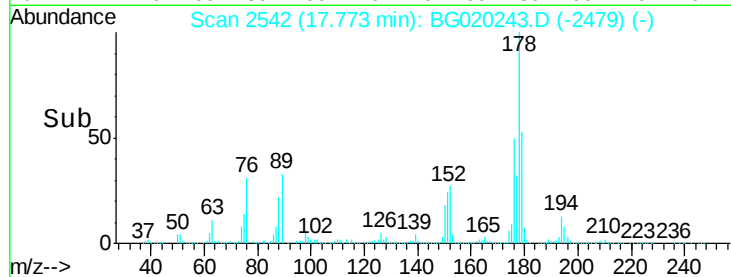
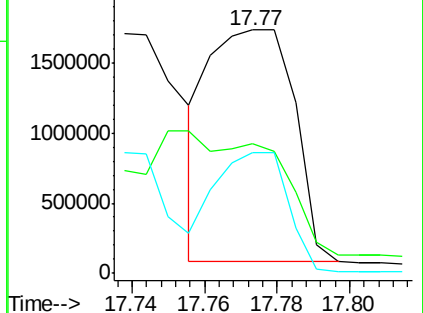
176 49.7 14.3 21.5#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 1004.01 ng/ul

RT: 17.96 min Scan# 2573

Delta R.T. 0.08 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

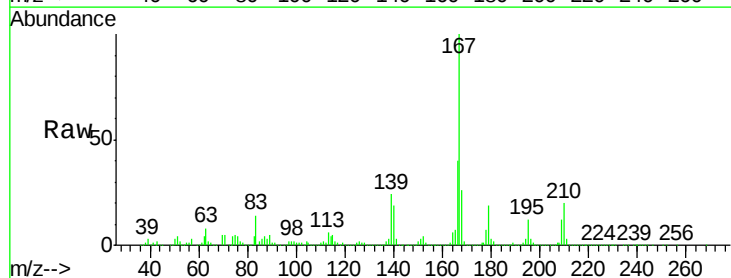
Tgt Ion:167 Resp: 3796578

Ion Ratio Lower Upper

167 100

166 39.6 17.0 25.6#

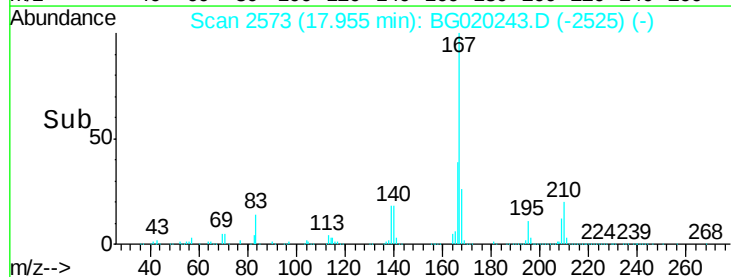
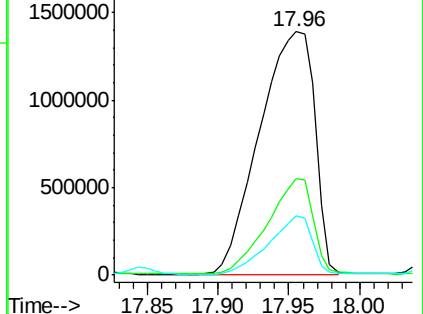
139 24.4 10.1 15.1#

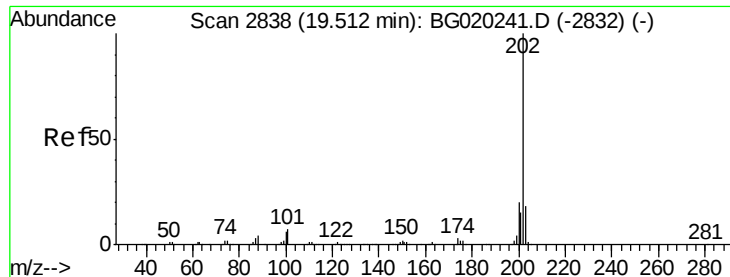


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

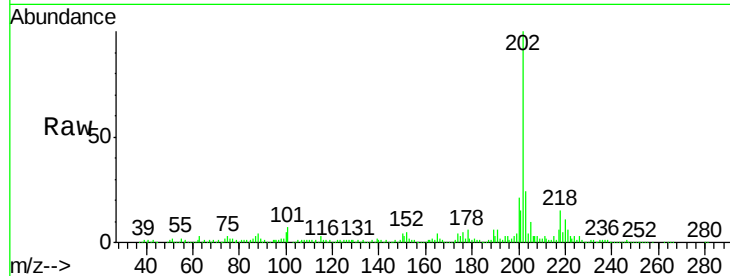




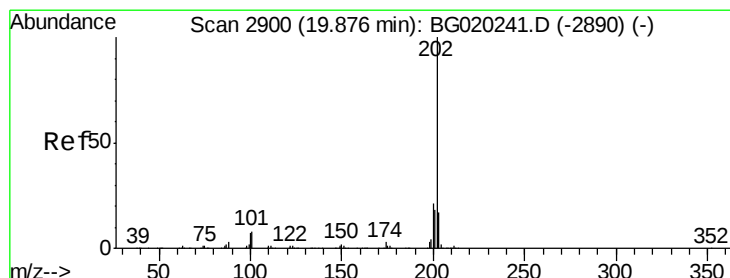
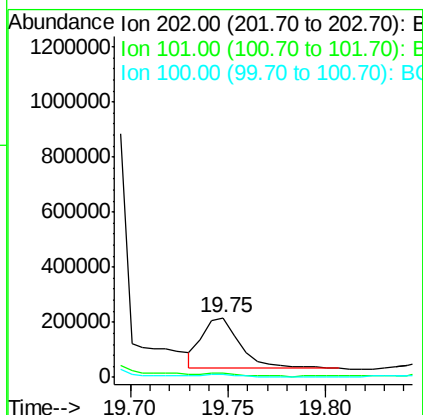
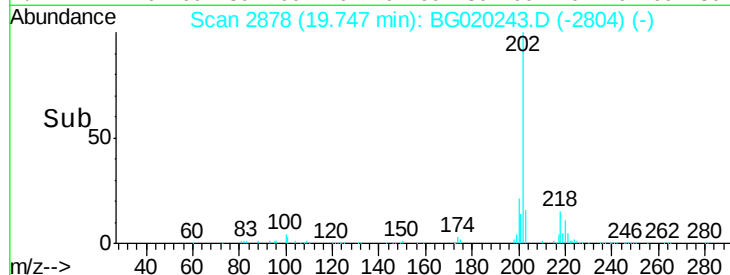
#77
Fluoranthene
Concen: 47.71 ng/ul
RT: 19.75 min Scan# 2878
Delta R.T. 0.24 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Instrument :
BNA_G
ClientSampleId :
D9N44

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

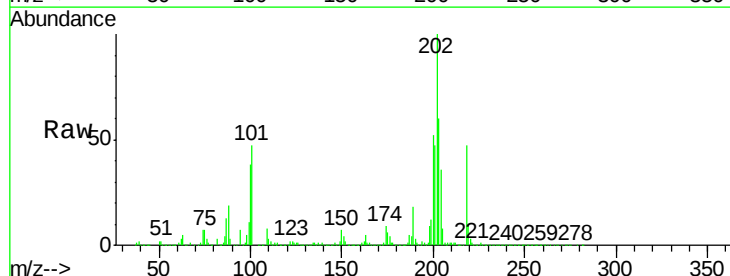


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

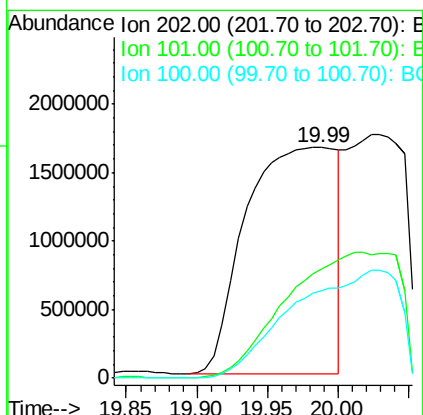
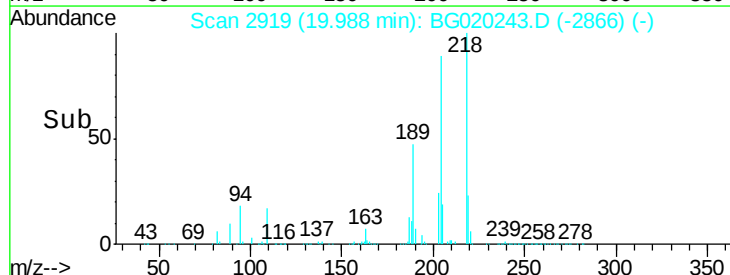


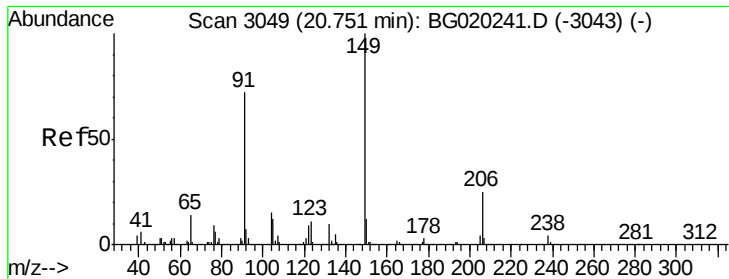
#80
Pyrene
Concen: 9386.87 ng/ul
RT: 19.99 min Scan# 2919
Delta R.T. 0.11 min
Lab File: BG020243.D
Acq: 17 Dec 2015 5:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	47.4	7.0	10.4#
100	38.0	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





#81

Butylbenzylphthalate

Concen: 1.39 ng/ul

RT: 20.89 min Scan# 3072

Delta R.T. 0.14 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

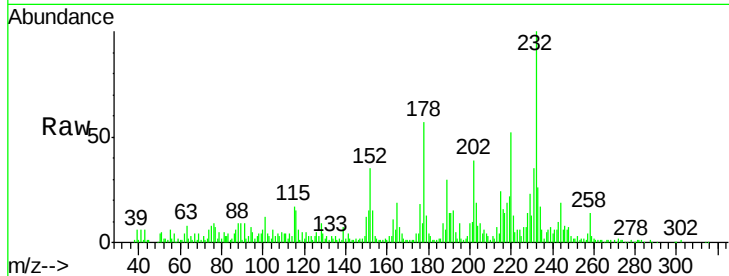
Tgt Ion:149 Resp: 378

Ion Ratio Lower Upper

149 100

91 265.7 59.1 88.7#

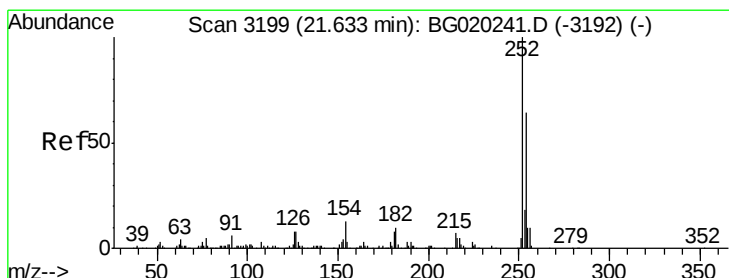
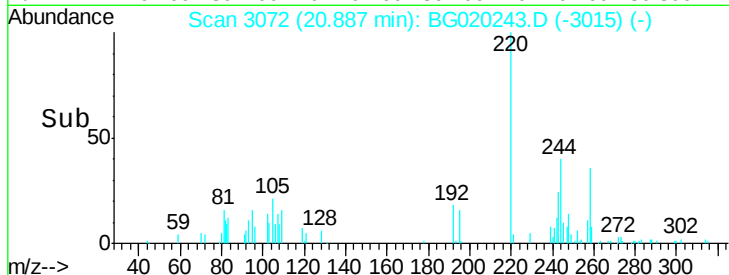
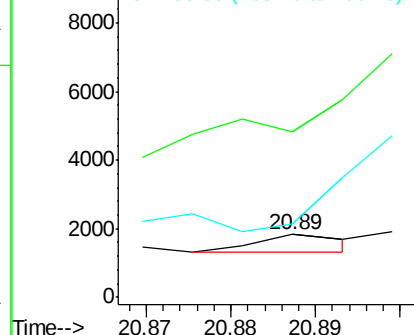
206 117.4 19.6 29.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#82

3,3'-Dichlorobenzidine

Concen: 1.59 ng/ul

RT: 21.76 min Scan# 3221

Delta R.T. 0.13 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

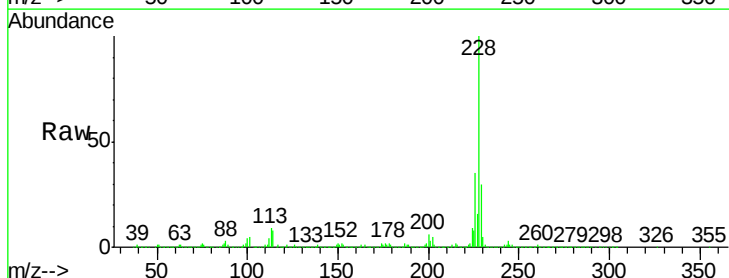
Tgt Ion:252 Resp: 377

Ion Ratio Lower Upper

252 100

254 44.8 49.3 73.9#

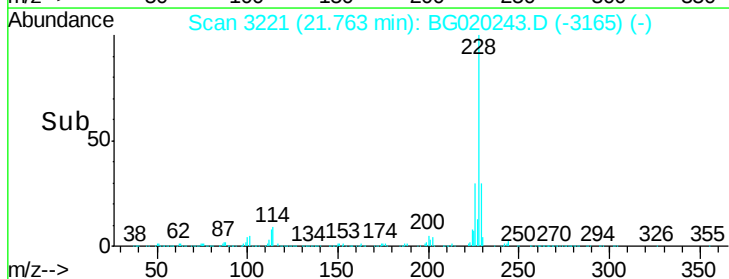
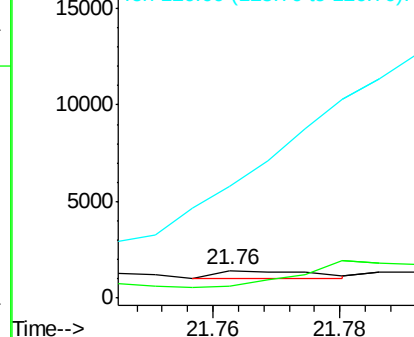
126 402.0 6.5 9.7#

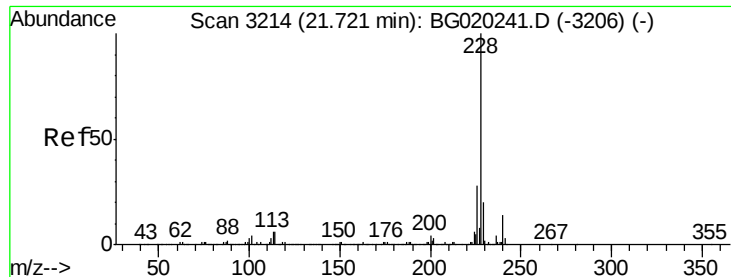


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Benzo(a)anthracene

Concen: 7193.89 ng/ul

RT: 21.90 min Scan# 3244

Delta R.T. 0.18 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

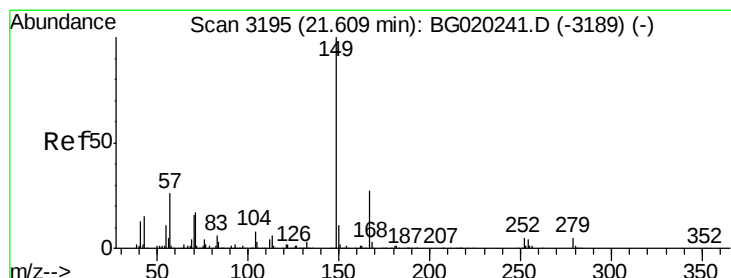
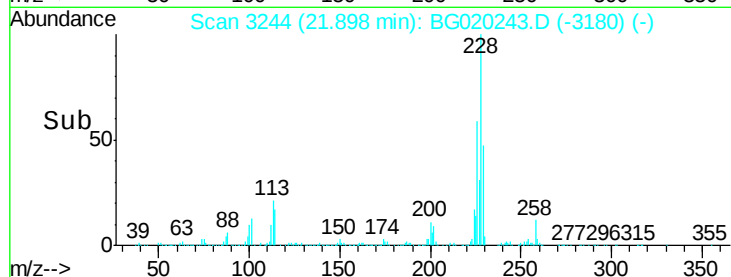
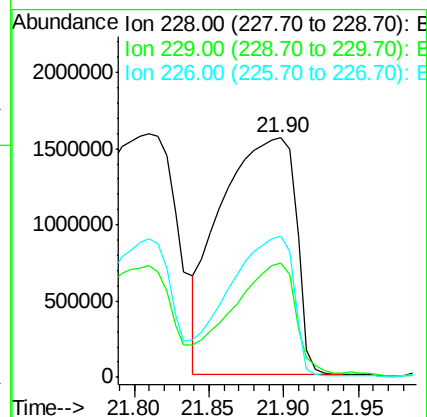
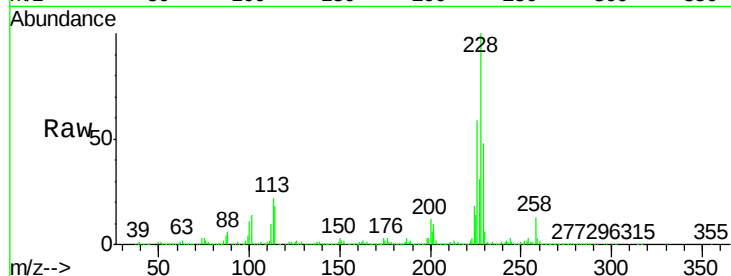
Tgt Ion:228 Resp: 5432521

Ion Ratio Lower Upper

228 100

229 47.9 15.8 23.8#

226 58.9 21.8 32.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.76 ng/ul

RT: 21.73 min Scan# 3216

Delta R.T. 0.12 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

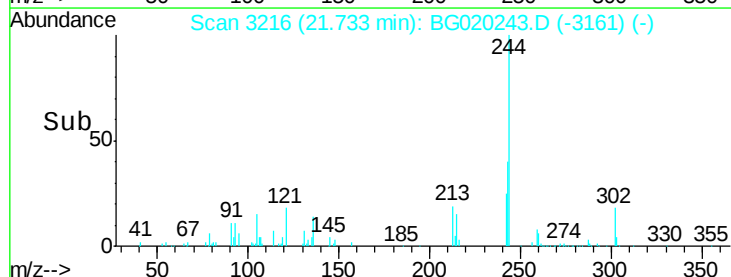
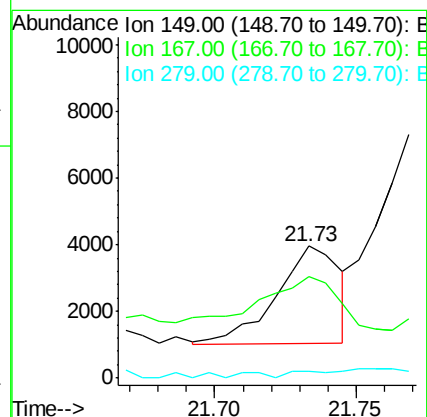
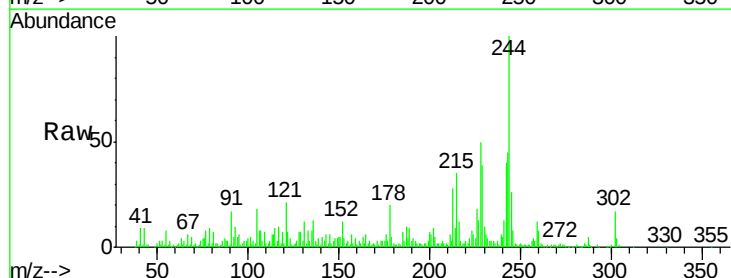
Tgt Ion:149 Resp: 4578

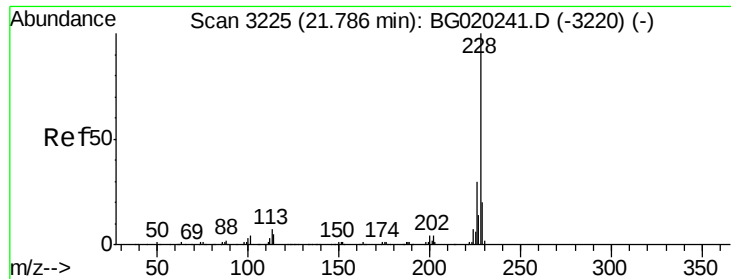
Ion Ratio Lower Upper

149 100

167 76.8 22.8 34.2#

279 5.1 4.1 6.1





#85

Chrysene

Concen: 12.19 ng/ul

RT: 21.94 min Scan# 3252

Delta R.T. 0.16 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

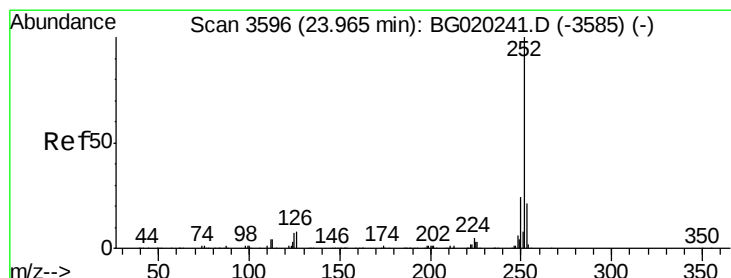
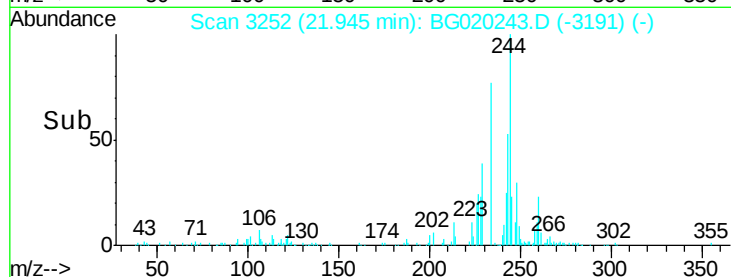
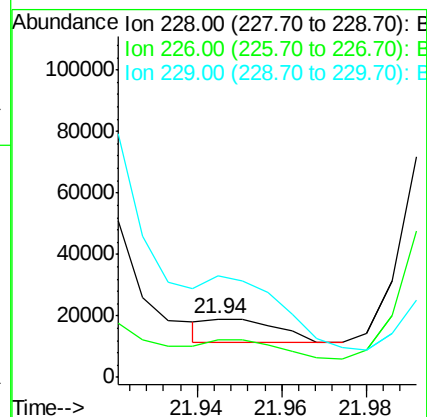
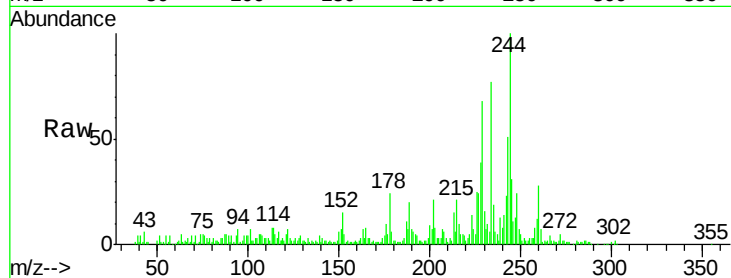
Tgt Ion:228 Resp: 8670

Ion Ratio Lower Upper

228 100

226 64.7 23.9 35.9#

229 174.0 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 7469.45 ng/ul

RT: 24.09 min Scan# 3617

Delta R.T. 0.12 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

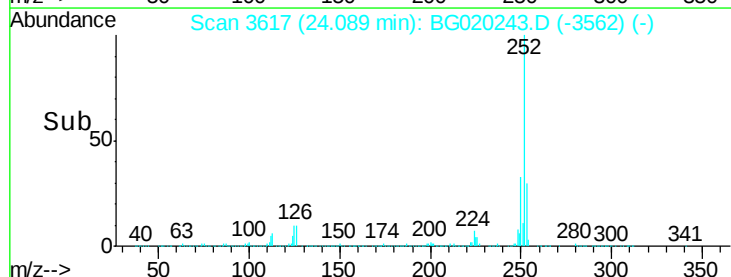
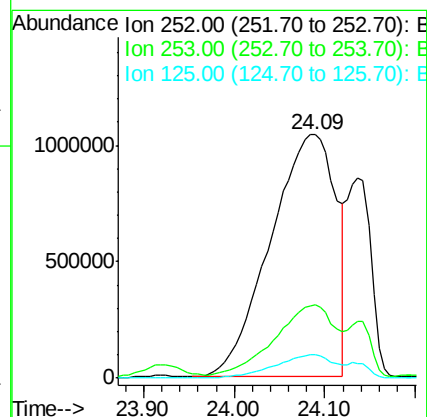
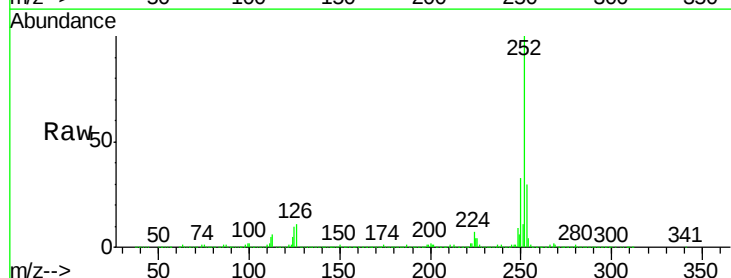
Tgt Ion:252 Resp: 5226748

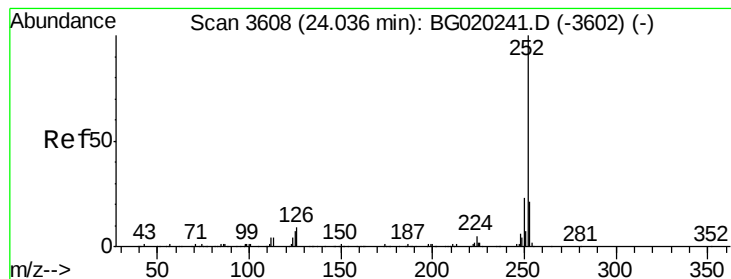
Ion Ratio Lower Upper

252 100

253 30.1 16.7 25.1#

125 9.7 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 1241.21 ng/ul

RT: 24.31 min Scan# 3655

Delta R.T. 0.28 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

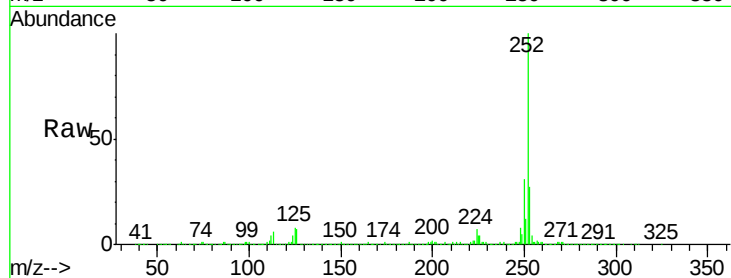
Tgt Ion:252 Resp: 833459

Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9

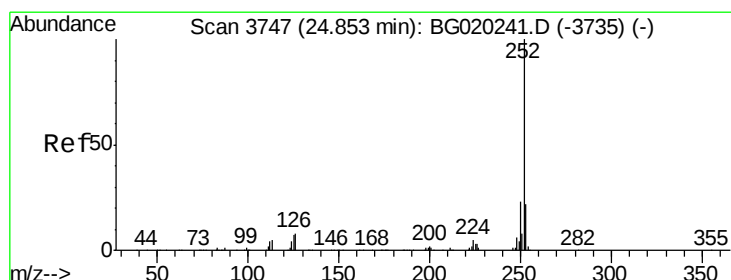
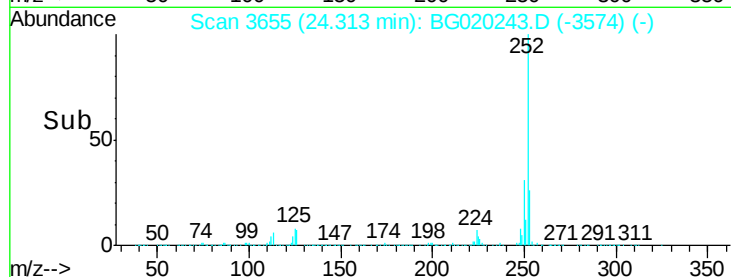
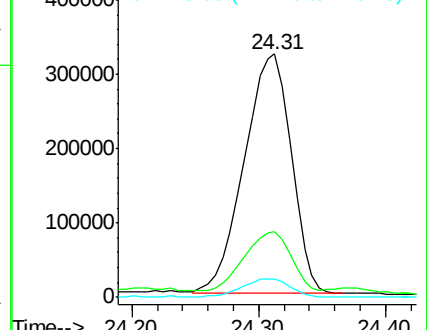
125 7.7 5.8 8.6



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



#91

Benzo(a)pyrene

Concen: 4747.47 ng/ul

RT: 24.98 min Scan# 3768

Delta R.T. 0.12 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

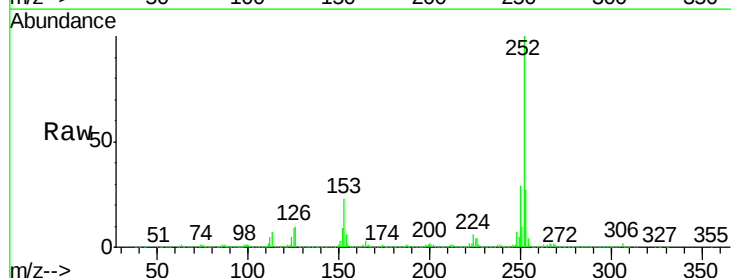
Tgt Ion:252 Resp: 3149043

Ion Ratio Lower Upper

252 100

253 26.7 17.0 25.4#

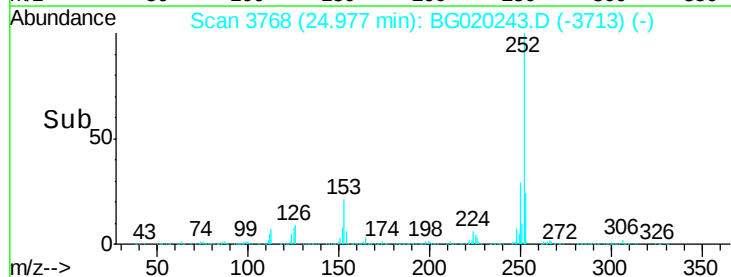
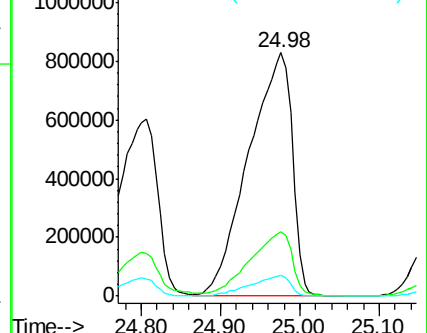
125 8.6 6.2 9.4

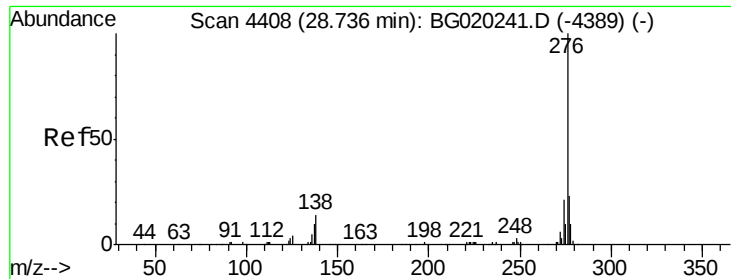


Abundance Ion 252.00 (251.70 to 252.70): E

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: 15.47 ng/ul

RT: 29.02 min Scan# 4457

Delta R.T. 0.29 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

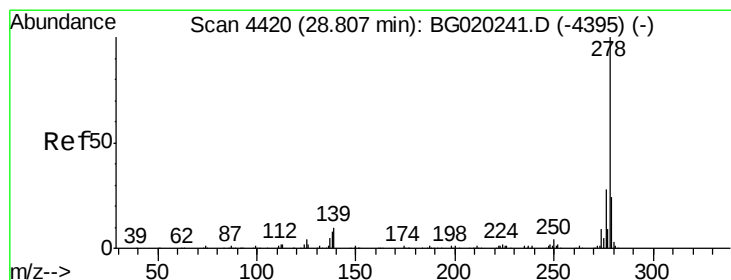
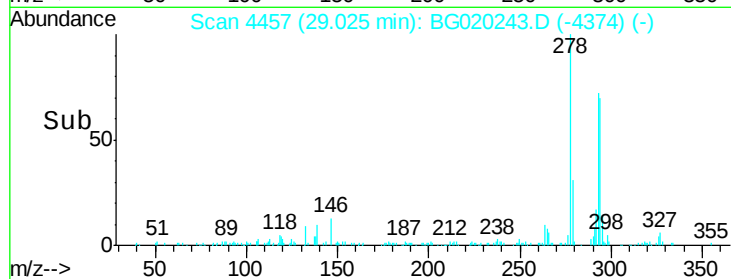
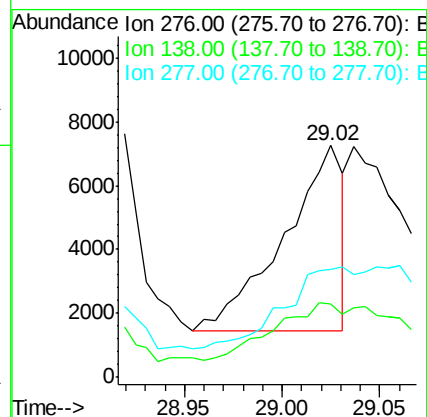
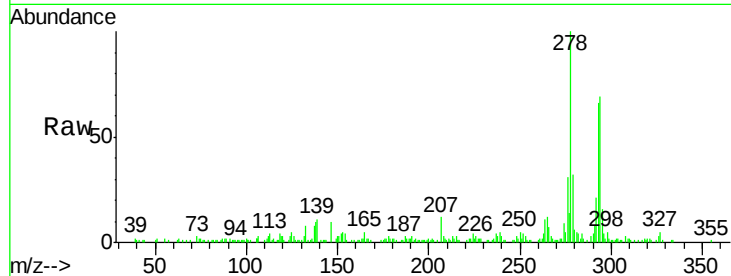
Tgt Ion:276 Resp: 12219

Ion Ratio Lower Upper

276 100

138 31.6 11.4 17.0#

277 46.5 17.4 26.0#



#93

Dibenzo(a,h)anthracene

Concen: 170.98 ng/ul

RT: 29.04 min Scan# 4459

Delta R.T. 0.23 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

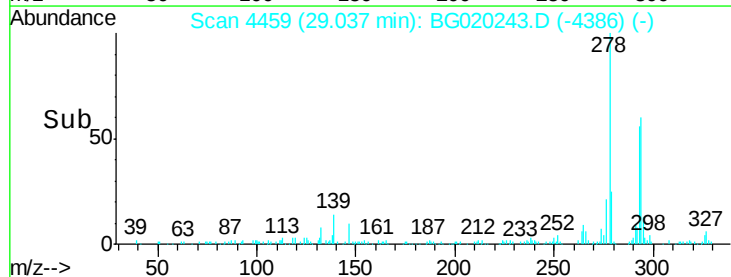
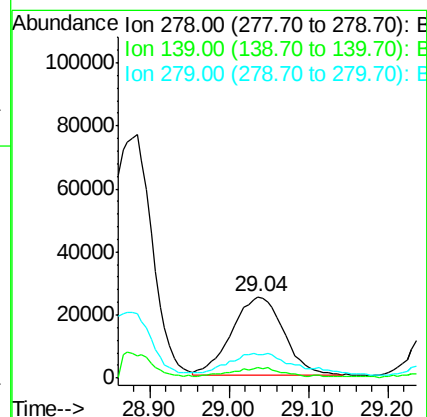
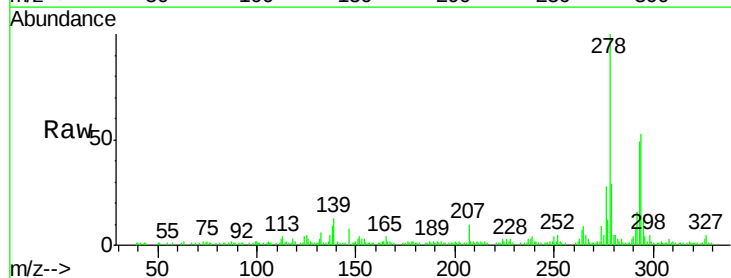
Tgt Ion:278 Resp: 112107

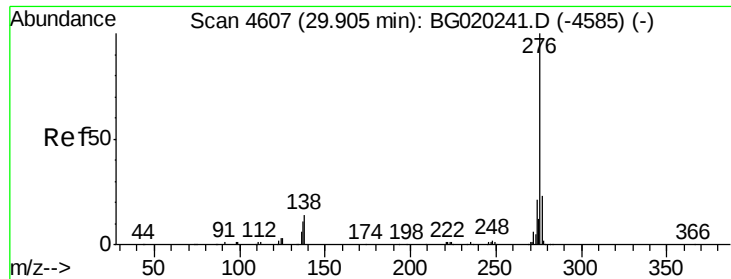
Ion Ratio Lower Upper

278 100

139 12.9 9.4 14.2

279 29.0 19.4 29.0





#94

Benzo(g,h,i)perylene

Concen: 1219.57 ng/ul

RT: 30.02 min Scan# 4626

Delta R.T. 0.11 min

Lab File: BG020243.D

Acq: 17 Dec 2015 5:24

Instrument :

BNA_G

ClientSampleId :

D9N44

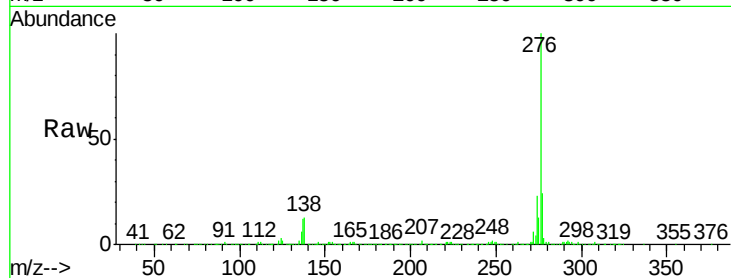
Tgt Ion:276 Resp: 789738

Ion Ratio Lower Upper

276 100

138 13.1 10.8 16.2

277 24.1 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

