

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122015\
 Data File : BG020374.D
 Acq On : 21 Dec 2015 11:35
 Operator : UM/SJ
 Sample : G4848-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50

Quant Time: Dec 22 00:24:00 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 21 07:46:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	27850	20.00	ng/ul	0.00
18) Naphthalene-d8	10.94	136	111145	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.74	164	86787	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.49	188	42252	20.00	ng/ul	0.02
78) Chrysene-d12	21.78	240	205005	20.00	ng/ul	0.03
86) Perylene-d12	25.04	264	195916	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1341	2.66	ng/uL	0.00
5) Phenol-d5	7.25	99	42076	17.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	28813	19.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	35599	19.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	37496	17.85	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	20898	24.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	23011	23.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.55	165	41163	21.08	ng/ul	0.02
29) 4-Chloroaniline-d4	11.05	131	56746	25.87	ng/ul	0.00
44) Dimethylphthalate-d6	14.14	166	133682	19.04	ng/ul	0.02
47) Acenaphthylene-d8	14.43	160	156848	19.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.95	143	21381	16.98	ng/ul	0.02
58) Fluorene-d10	15.72	176	119030	18.69	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.84	200	228	0.91	ng/ul	0.01
71) Anthracene-d10	17.64	188	168041	86.31	ng/ul	0.07
79) Pyrene-d10	19.88	212	215520	22.56	ng/ul	0.03
90) Benzo(a)pyrene-d12	24.81	264	241355	24.70	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	7.28	94	6041	2.30	ng/ul#	90
8) Bis(2-Chloroethyl)ether	7.53	93	5579	3.09	ng/ul#	19
11) 2-Methylphenol	8.54	108	7459	3.72	ng/ul	98
14) Acetophenone	8.92	105	4444	1.35	ng/ul	96
16) 4-Methylphenol	8.87	108	12333	5.55	ng/ul	98
17) Hexachloroethane	9.20	117	6787	8.63	ng/ul#	1
24) 2,4-Dimethylphenol	10.08	107	13860	5.90	ng/ul	96
28) Naphthalene	11.04	128	8032617	1383.94	ng/ul#	47
30) 4-Chloroaniline	11.04	127	2136992	954.32	ng/ul#	12
34) 2-Methylnaphthalene	12.60	142	3615549	815.51	ng/ul	98
35) 1-Methylnaphthalene	12.81	142	1969403	462.05	ng/ul#	95
41) 1,1'-Biphenyl	13.57	154	1633125	249.43	ng/ul	94
43) 2-Nitroaniline	13.76	65	9211	5.17	ng/ul#	37
45) Dimethylphthalate	14.19	163	57750	8.05	ng/ul	99
48) Acenaphthylene	14.46	152	524642	60.46	ng/ul#	92
49) 3-Nitroaniline	14.73	138	2389	1.66	ng/ul#	81
50) Acenaphthene	14.85	153	5199037	890.53	ng/ul#	83
54) Dibenzofuran	15.17	168	4751413	547.10	ng/ul#	56
55) 2,4-Dinitrotoluene	15.09	165	14842	6.82	ng/ul#	35
59) Fluorene	15.83	166	4830960	692.70	ng/ul#	96
61) 4-Nitroaniline	15.83	138	96441	61.96	ng/ul#	13
65) N-Nitrosodiphenylamine	16.00	169	33057	28.14	ng/ul#	1
70) Phenanthrene	17.62	178	10228845	4425.93	ng/ul#	34

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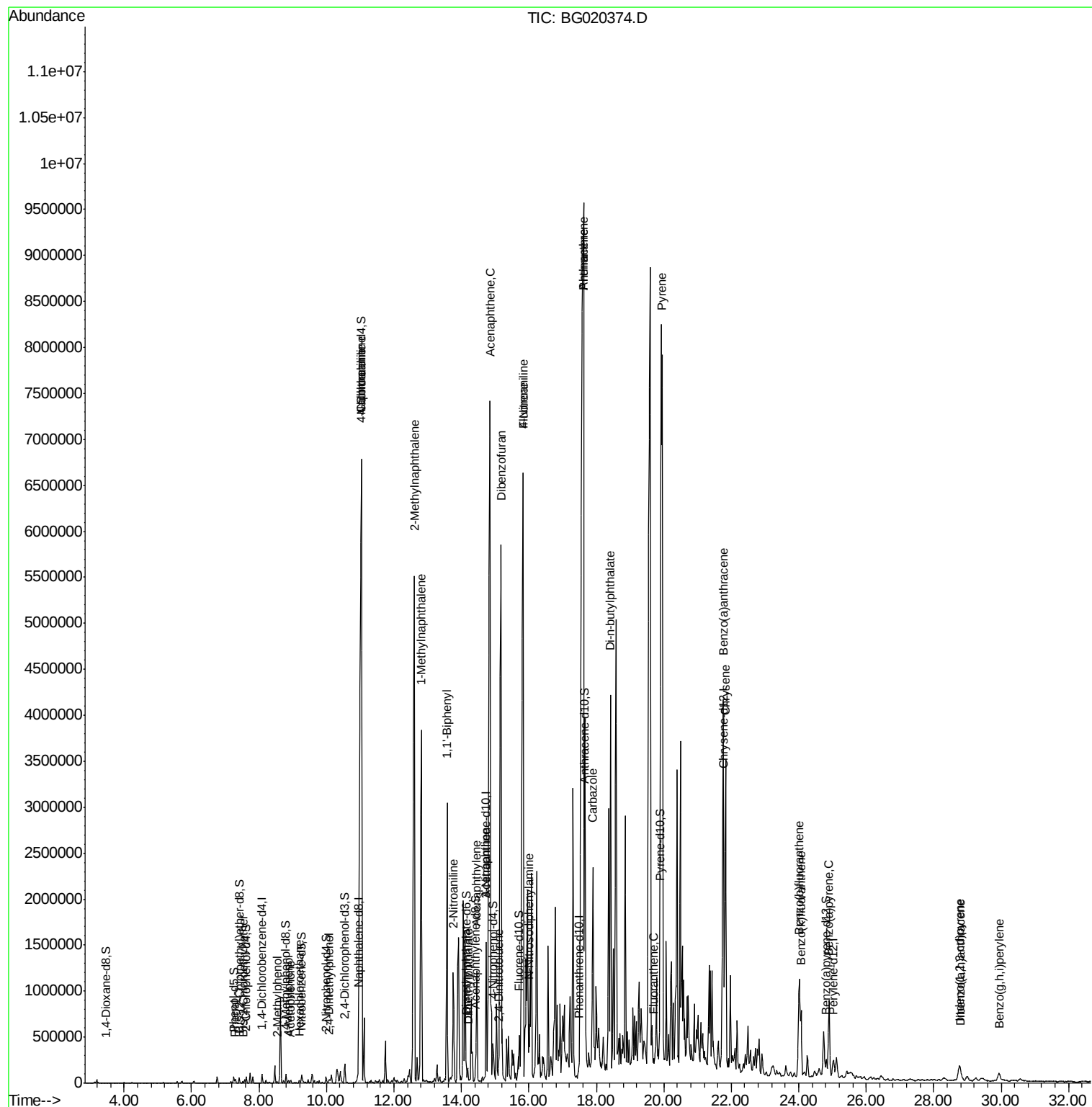
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Anthracene	17.62	178	10228845	4363.71	ng/ul#	30
75) Carbazole	17.90	167	1481506	752.18	ng/ul#	91
76) Di-n-butylphthalate	18.42	149	7732	3.38	ng/ul#	1
77) Fluoranthene	19.69	202	34841	12.90	ng/ul	98
80) Pyrene	19.95	202	6435167	518.64	ng/ul#	34
83) Benzo(a)anthracene	21.76	228	2832451	236.79	ng/ul#	77
85) Chrysene	21.83	228	2433546	216.01	ng/ul#	78
88) Benzo(b)fluoranthene	24.02	252	1598858	135.59	ng/ul	95
89) Benzo(k)fluoranthene	24.07	252	507486	44.85	ng/ul	96
91) Benzo(a)pyrene	24.90	252	918800	82.20	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.77	276	144873	10.88	ng/ul	95
93) Dibenzo(a,h)anthracene	28.81	278	75152	6.80	ng/ul	94
94) Benzo(g,h,i)perylene	29.94	276	185151	16.97	ng/ul	98

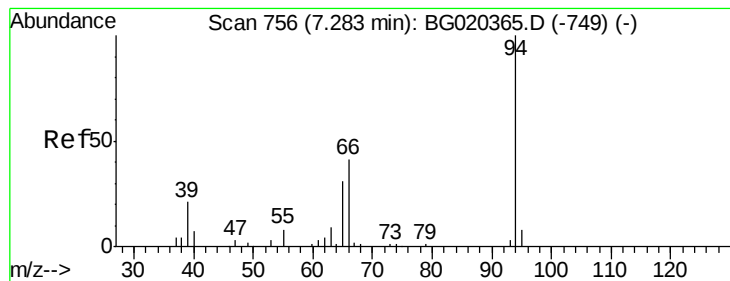
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.30 ng/ul

RT: 7.28 min Scan# 756

Delta R.T. -0.00 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampled :

D9N50

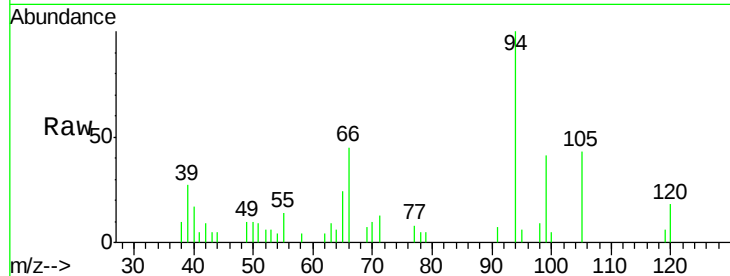
Tgt Ion: 94 Resp: 6041

Ion Ratio Lower Upper

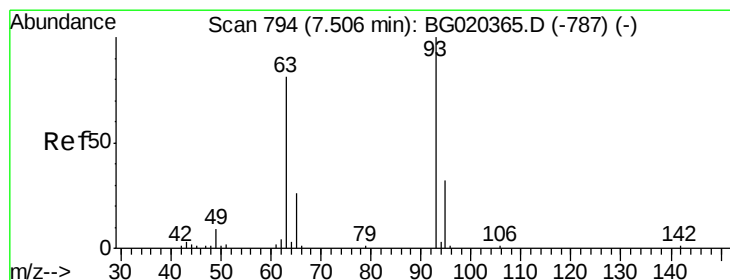
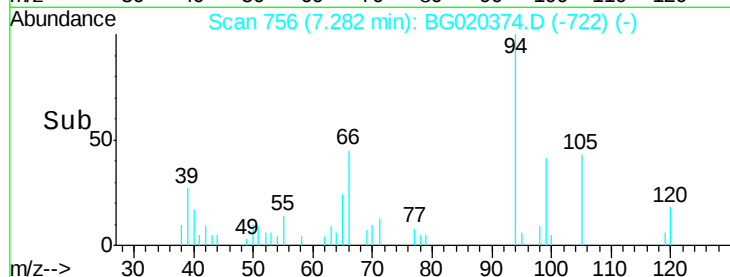
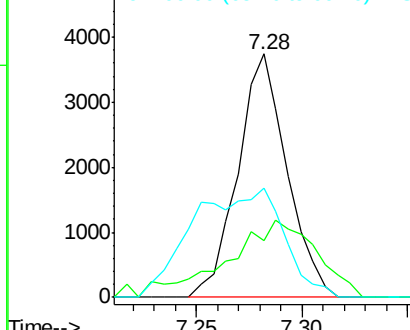
94 100

65 23.5 26.3 39.5#

66 44.9 33.3 49.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 3.09 ng/ul

RT: 7.53 min Scan# 798

Delta R.T. 0.02 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

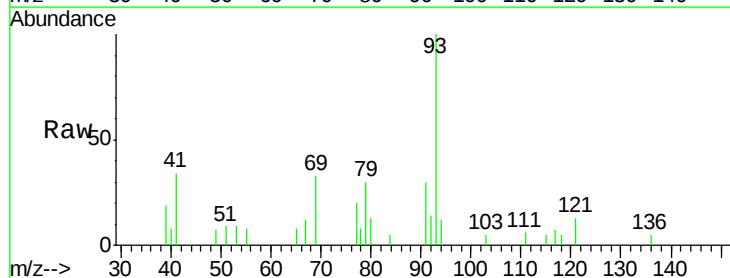
Tgt Ion: 93 Resp: 5579

Ion Ratio Lower Upper

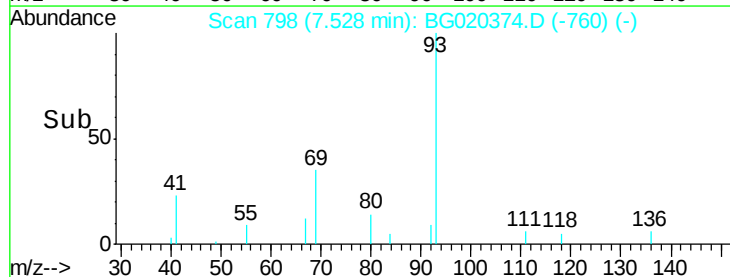
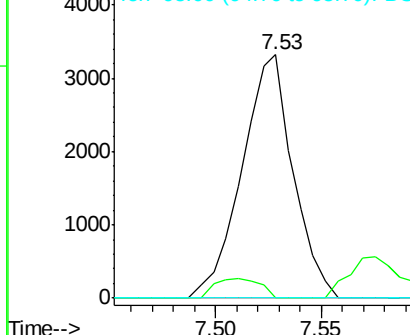
93 100

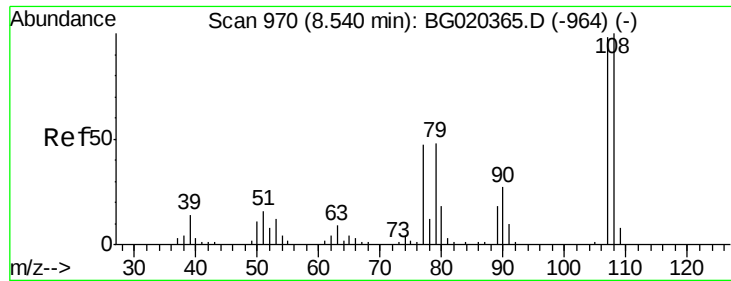
63 0.0 63.6 95.4#

95 0.0 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

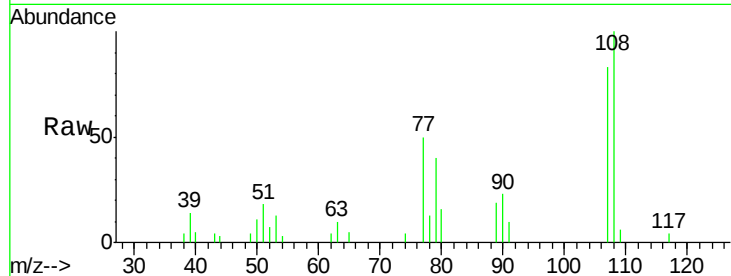




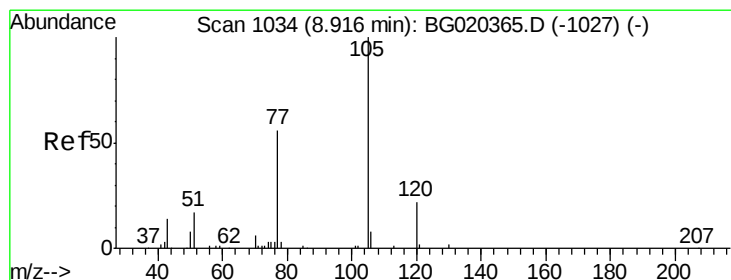
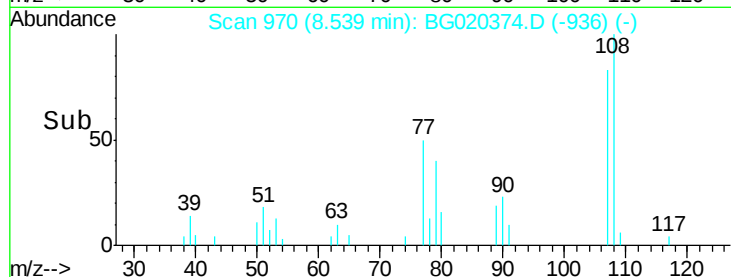
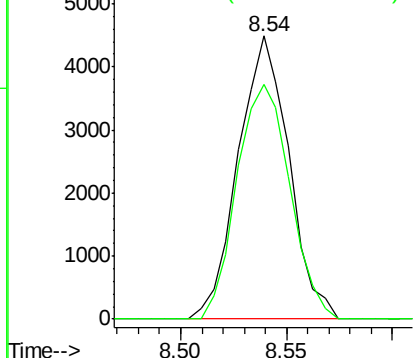
#11
2-Methylphenol
Concen: 3.72 ng/ul
RT: 8.54 min Scan# 970
Delta R.T. -0.00 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Instrument :
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D9N50

Tgt Ion:108 Resp: 7459
Ion Ratio Lower Upper
108 100
107 82.8 67.5 101.3

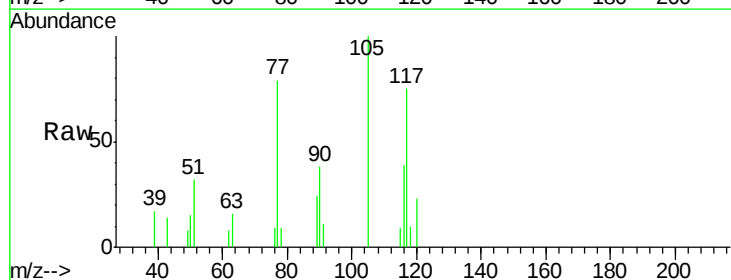


Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

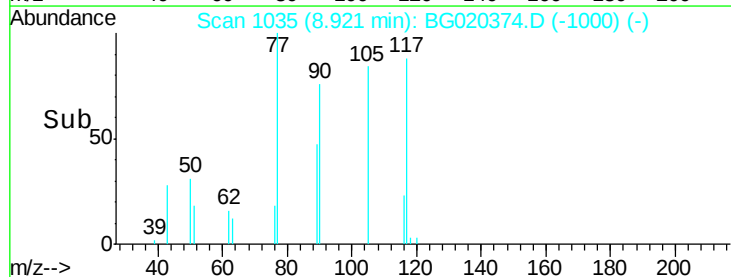
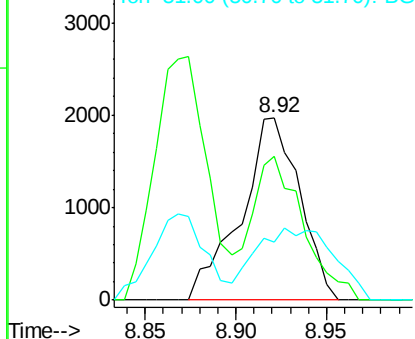


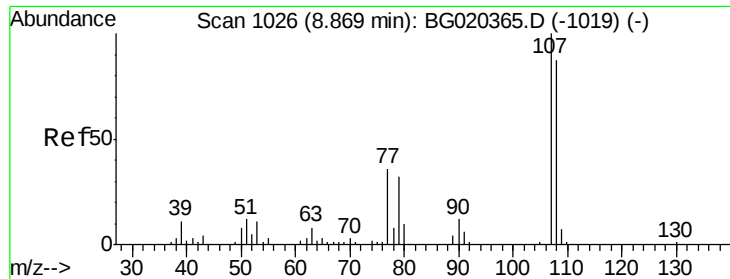
#14
Acetophenone
Concen: 1.35 ng/ul
RT: 8.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion:105 Resp: 4444
Ion Ratio Lower Upper
105 100
77 78.6 65.2 97.8
51 32.0 22.6 33.8



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 51.00 (50.70 to 51.70): BG

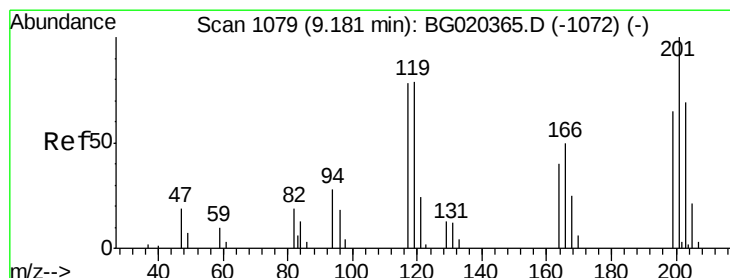
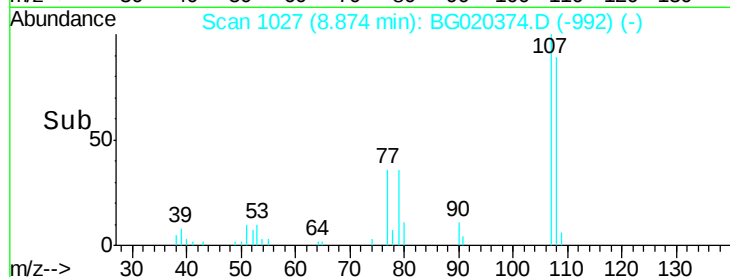
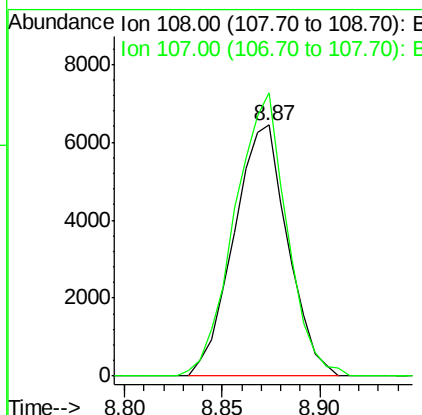
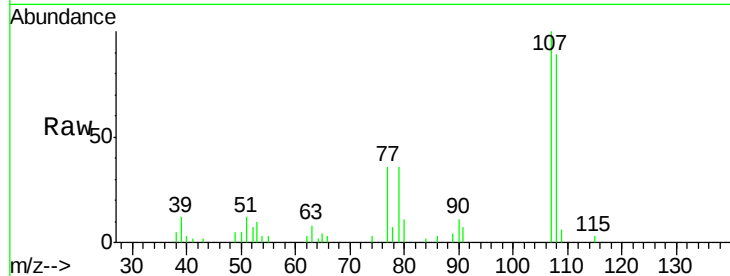




#16
4-Methylphenol
Concen: 5.55 ng/ul
RT: 8.87 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

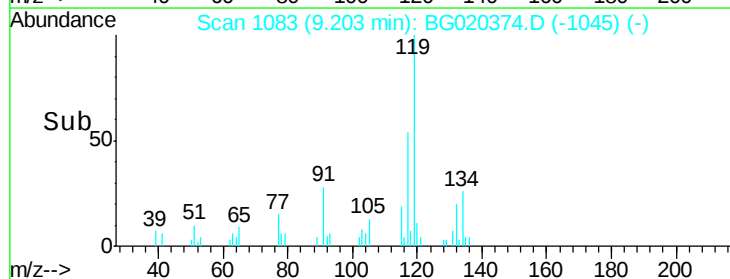
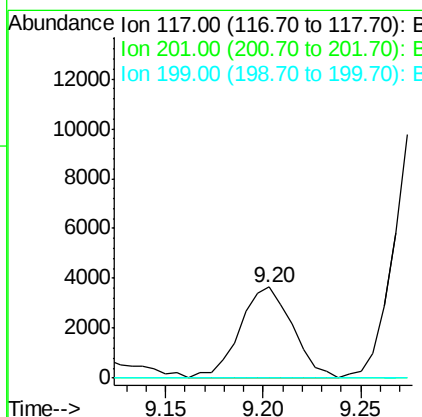
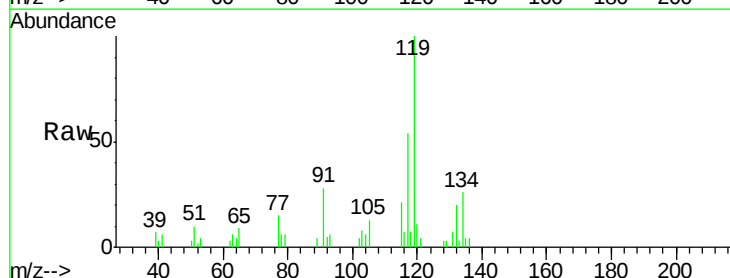
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ClientSampleId :
D9N50

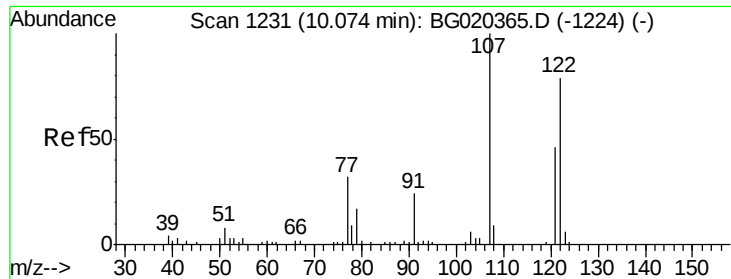
Tgt Ion:108 Resp: 12333
Ion Ratio Lower Upper
108 100
107 112.9 88.9 133.3



#17
Hexachloroethane
Concen: 8.63 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion:117 Resp: 6787
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

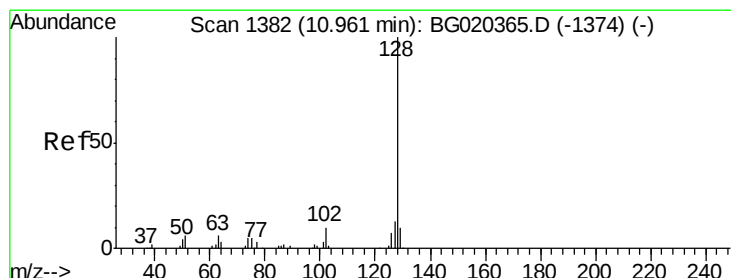
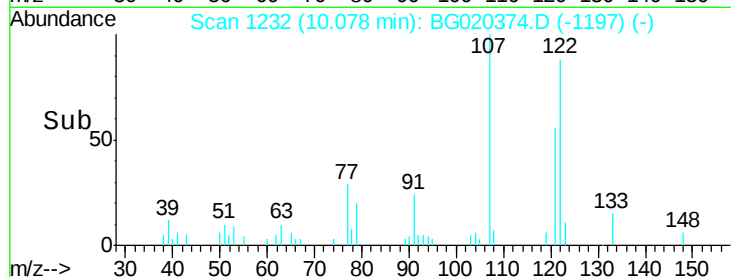
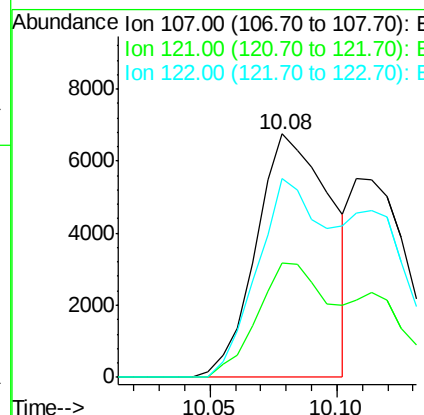
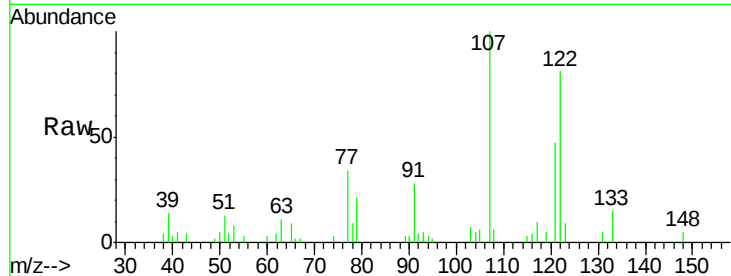




#24
2,4-Dimethylphenol
Concen: 5.90 ng/ul
RT: 10.08 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

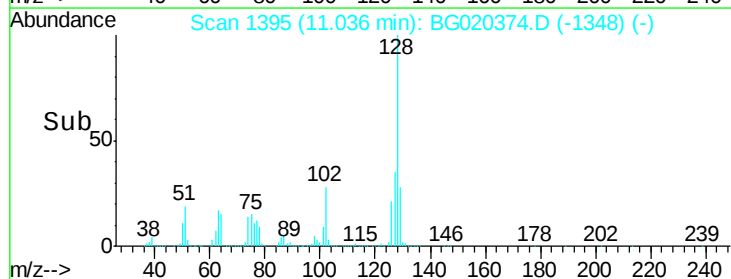
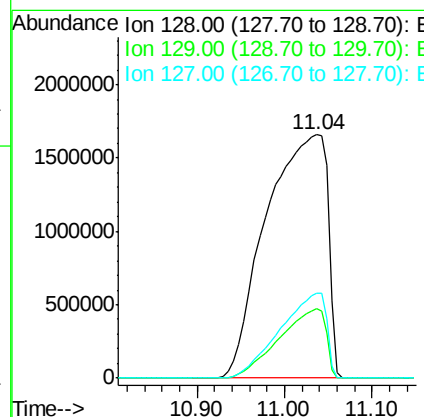
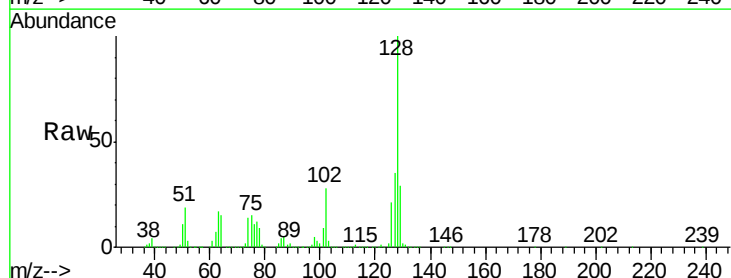
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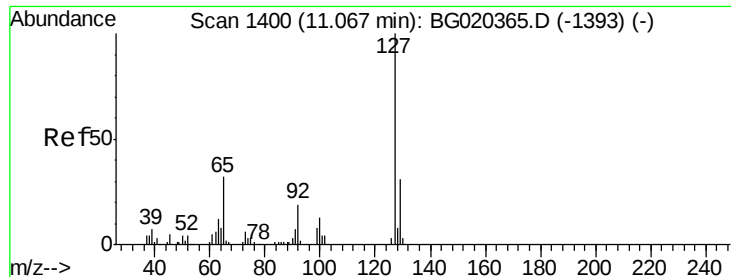
Tgt Ion:107 Resp: 13860
Ion Ratio Lower Upper
107 100
121 47.1 39.0 58.4
122 81.4 62.1 93.1



#28
Naphthalene
Concen: 1383.94 ng/ul
RT: 11.04 min Scan# 1395
Delta R.T. 0.08 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion:128 Resp: 8032617
Ion Ratio Lower Upper
128 100
129 28.5 8.6 12.8#
127 35.1 10.1 15.1#

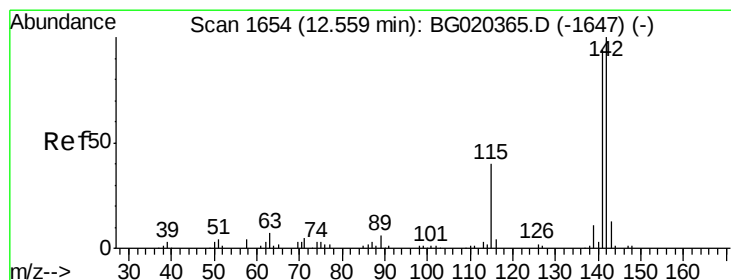
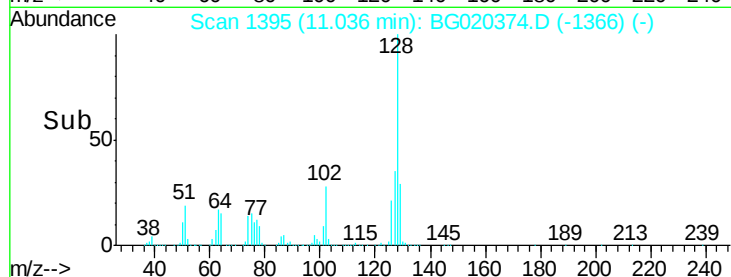
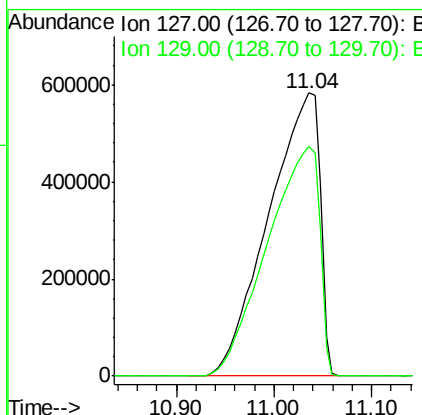
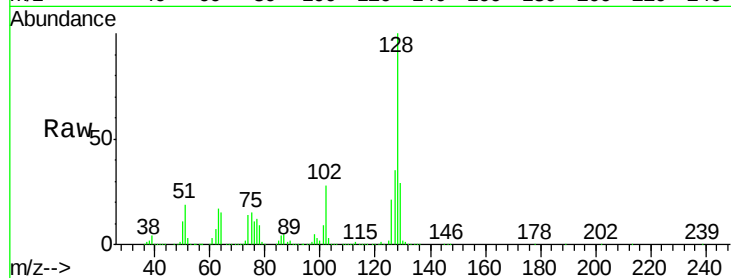




#30
 4-Chloroaniline
 Concen: 954.32 ng/ul
 RT: 11.04 min Scan# 1395
 Delta R.T. -0.03 min
 Lab File: BG020374.D
 Acq: 21 Dec 2015 11:35

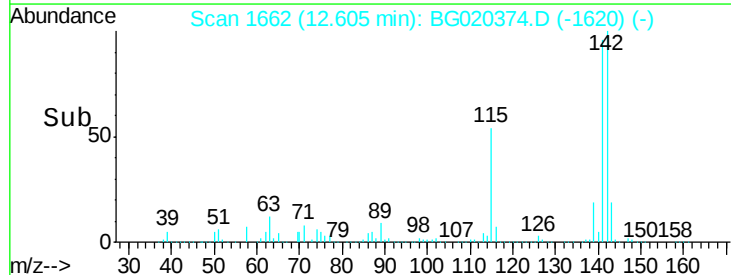
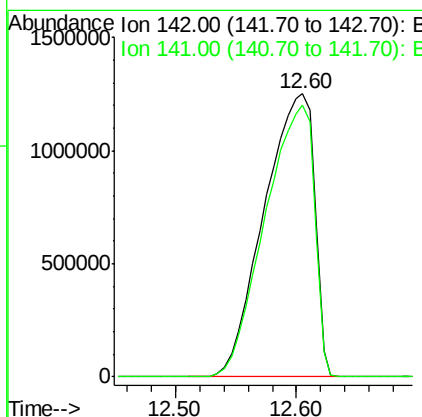
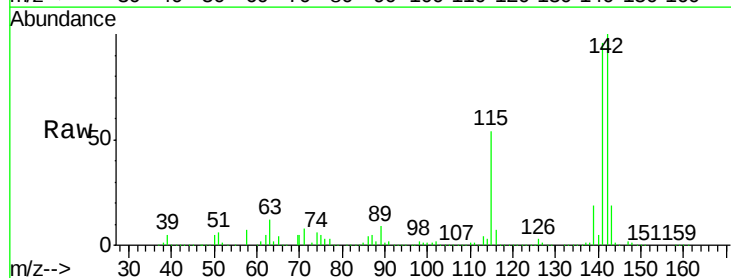
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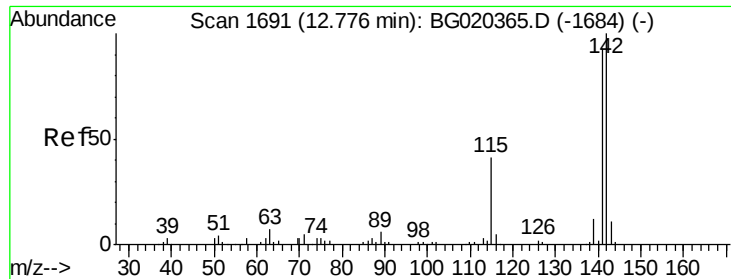
Tgt Ion:127 Resp: 2136992
 Ion Ratio Lower Upper
 127 100
 129 81.2 25.7 38.5#



#34
 2-Methylnaphthalene
 Concen: 815.51 ng/ul
 RT: 12.60 min Scan# 1662
 Delta R.T. 0.05 min
 Lab File: BG020374.D
 Acq: 21 Dec 2015 11:35

Tgt Ion:142 Resp: 3615549
 Ion Ratio Lower Upper
 142 100
 141 95.9 74.9 112.3

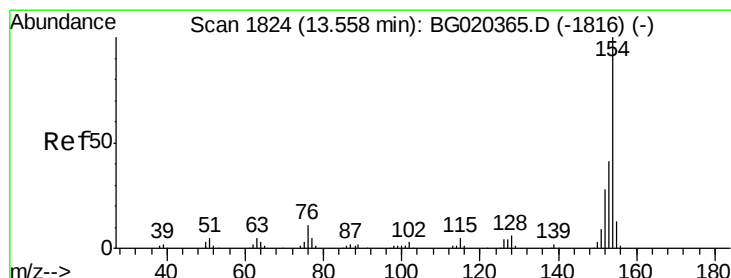
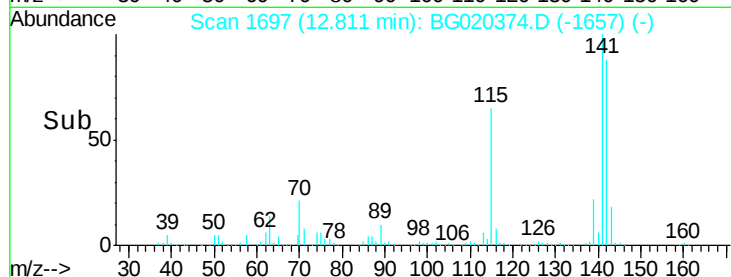
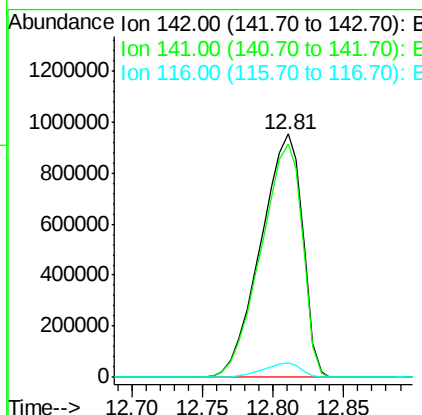
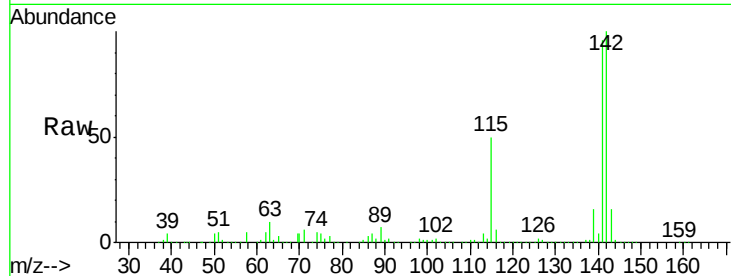




#35
 1-Methylnaphthalene
 Concen: 462.05 ng/u1
 RT: 12.81 min Scan# 1697
 Delta R.T. 0.03 min
 Lab File: BG020374.D
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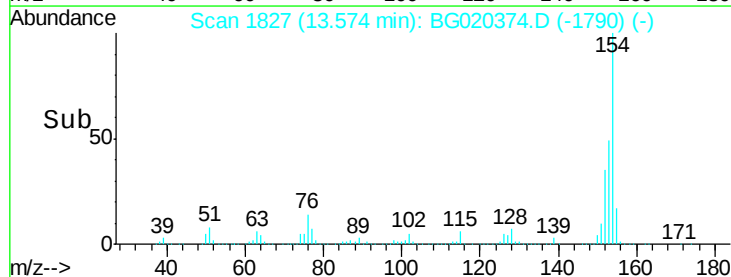
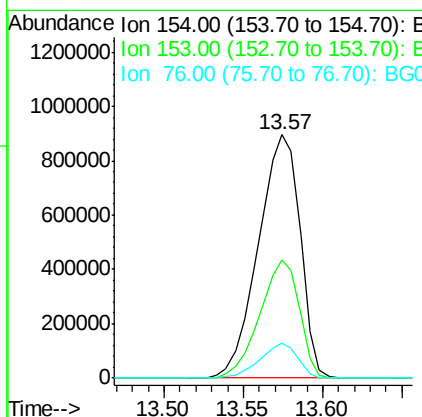
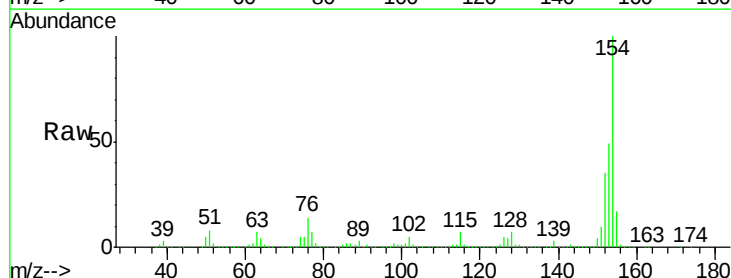
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 ClientSampleId :
 D9N50

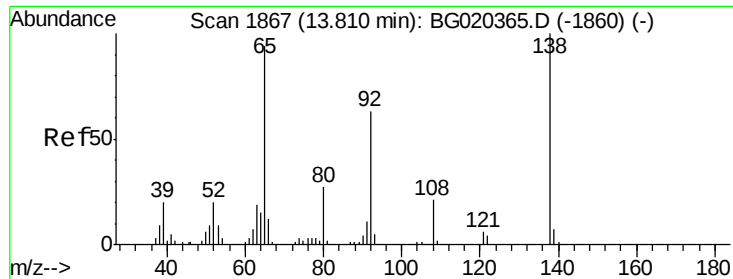
Tgt Ion:142 Resp: 1969403
 Ion Ratio Lower Upper
 142 100
 141 96.0 73.0 109.6
 116 5.8 3.0 4.6#



#41
 1,1'-Biphenyl
 Concen: 249.43 ng/u1
 RT: 13.57 min Scan# 1827
 Delta R.T. 0.02 min
 Lab File: BG020374.D
 Acq: 21 Dec 2015 11:35

Tgt Ion:154 Resp: 1633125
 Ion Ratio Lower Upper
 154 100
 153 48.8 35.5 53.3
 76 14.5 10.4 15.6

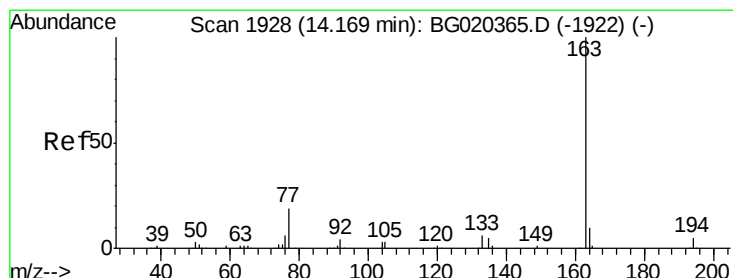
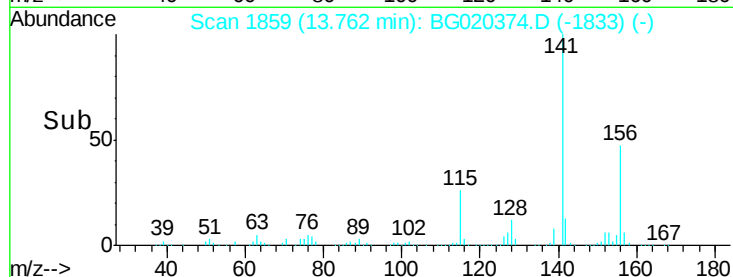
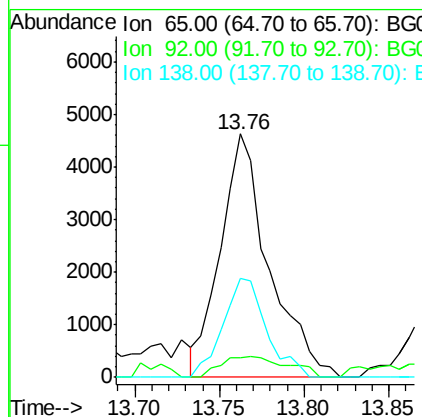
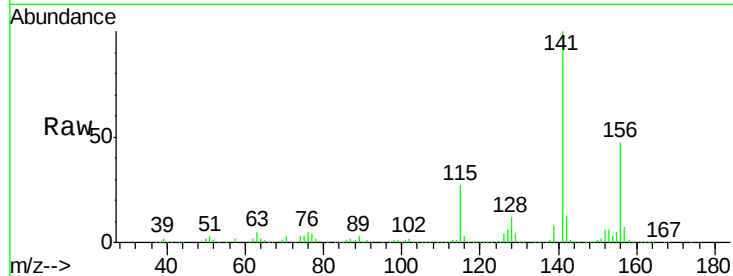




#43
2-Nitroaniline
Concen: 5.17 ng/ul
RT: 13.76 min Scan# 1859
Delta R.T. -0.05 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

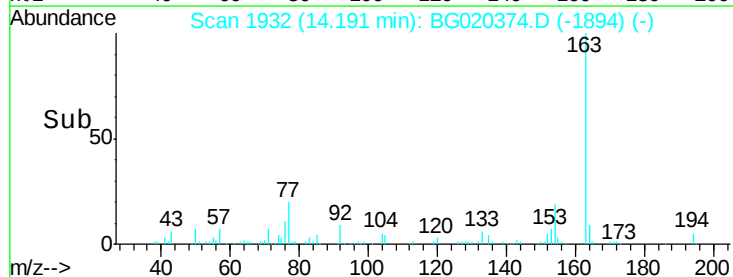
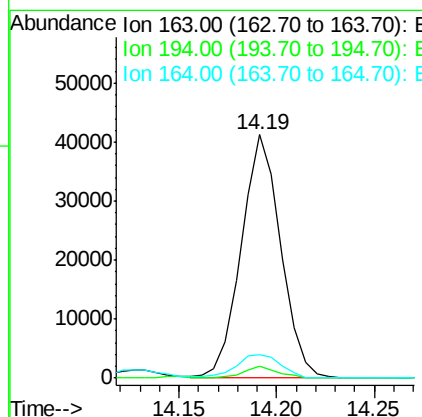
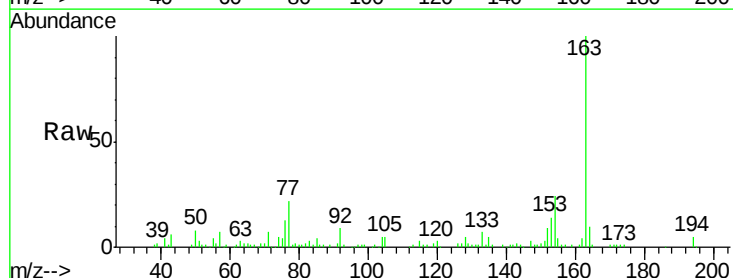
Instrument :
BNA_G
ClientSampleId :
D9N50

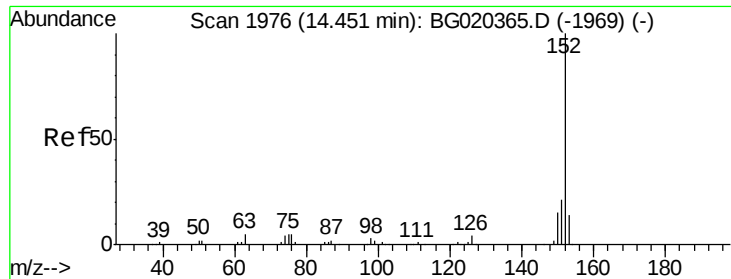
Tgt Ion: 65 Resp: 9211
Ion Ratio Lower Upper
65 100
92 8.0 53.1 79.7#
138 40.7 76.6 114.8#



#45
Dimethylphthalate
Concen: 8.05 ng/ul
RT: 14.19 min Scan# 1932
Delta R.T. 0.02 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion: 163 Resp: 57750
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 9.8 7.7 11.5





#48

Acenaphthylene

Concen: 60.46 ng/ul

RT: 14.46 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampleId :

D9N50

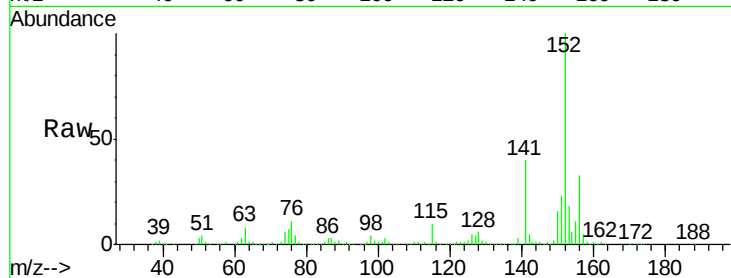
Tgt Ion:152 Resp: 524642

Ion Ratio Lower Upper

152 100

151 23.0 16.4 24.6

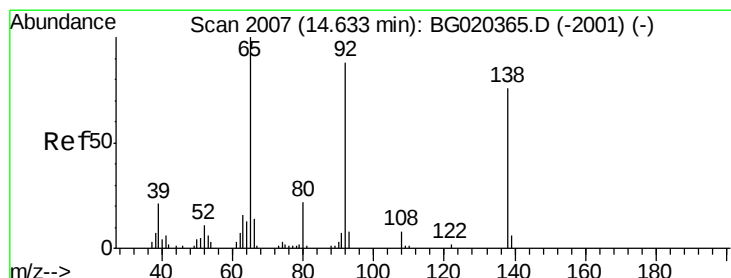
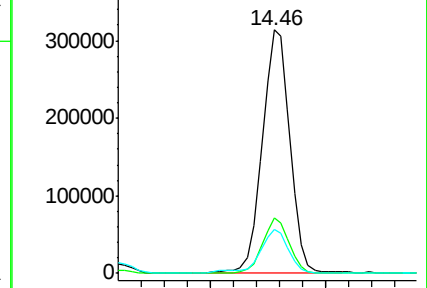
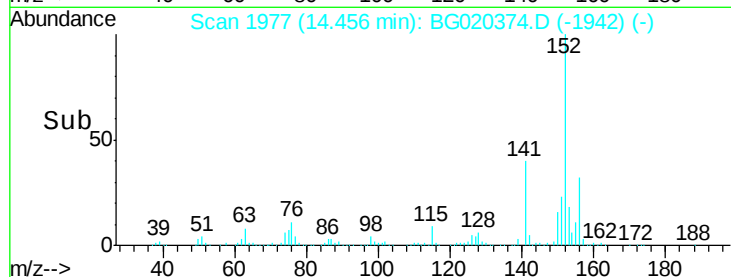
153 18.2 10.4 15.6#



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: 1.66 ng/ul

RT: 14.73 min Scan# 2024

Delta R.T. 0.10 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

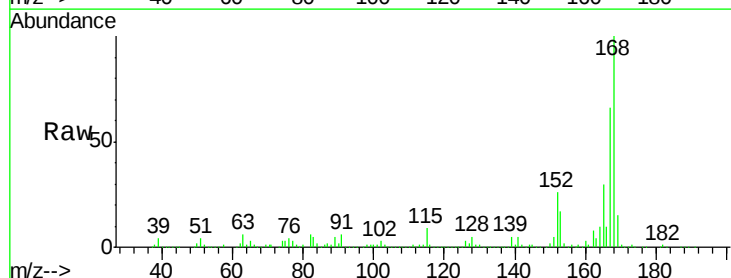
Tgt Ion:138 Resp: 2389

Ion Ratio Lower Upper

138 100

108 41.1 9.1 13.7#

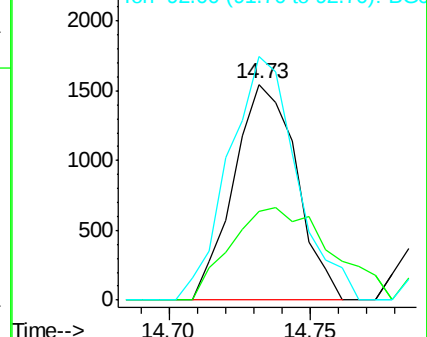
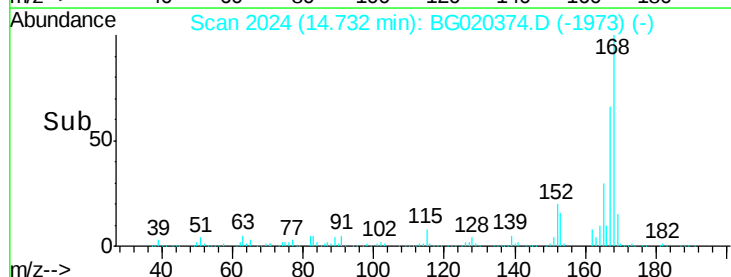
92 112.7 103.2 154.8

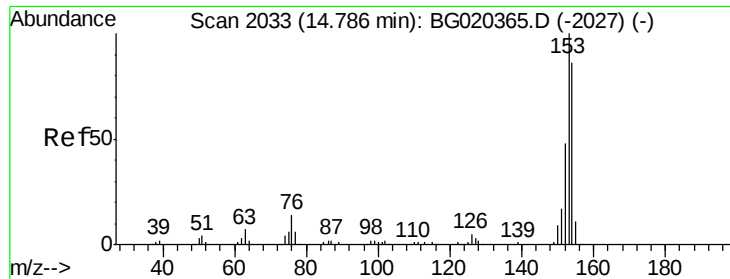


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG





#50

Acenaphthene

Concen: 890.53 ng/ul

RT: 14.85 min Scan# 2044

Delta R.T. 0.06 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampleId :

D9N50

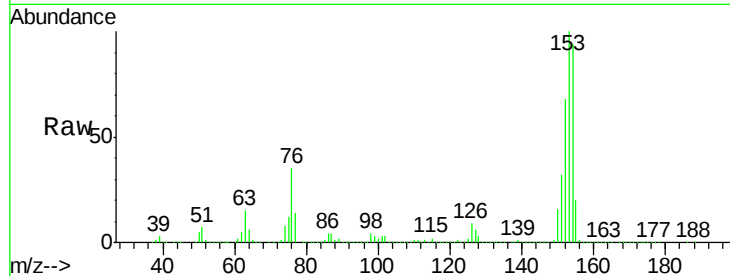
Tgt Ion:153 Resp: 5199037

Ion Ratio Lower Upper

153 100

152 67.7 37.6 56.4#

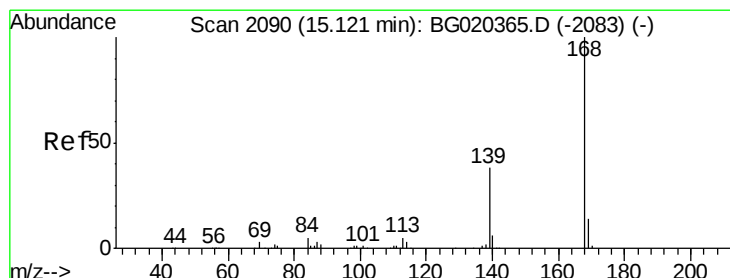
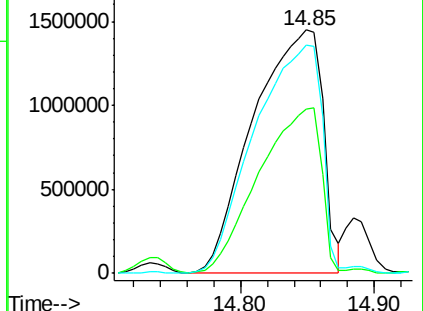
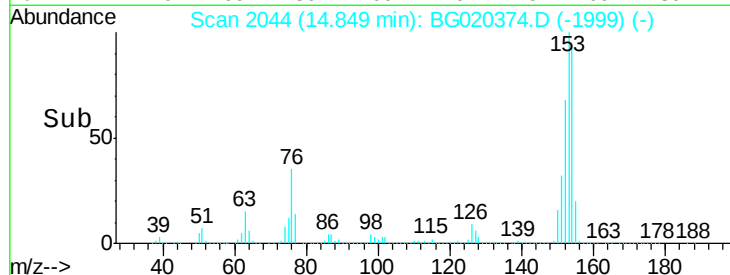
154 93.6 67.9 101.9



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



#54

Dibenzofuran

Concen: 547.10 ng/ul

RT: 15.17 min Scan# 2099

Delta R.T. 0.05 min

Lab File: BG020374.D

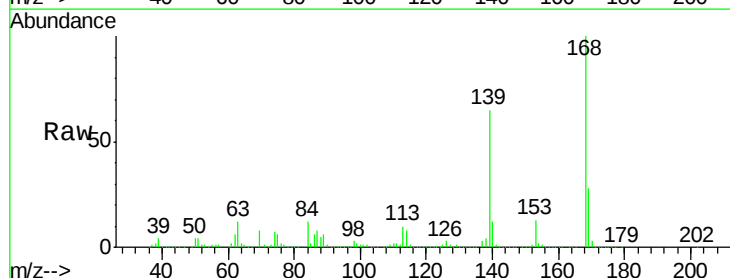
Acq: 21 Dec 2015 11:35

Tgt Ion:168 Resp: 4751413

Ion Ratio Lower Upper

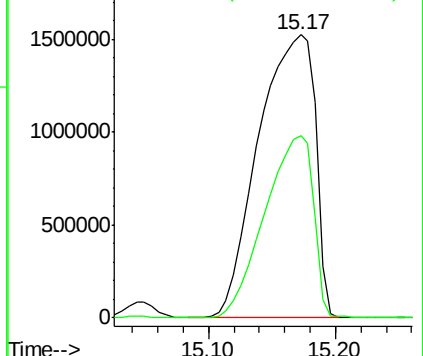
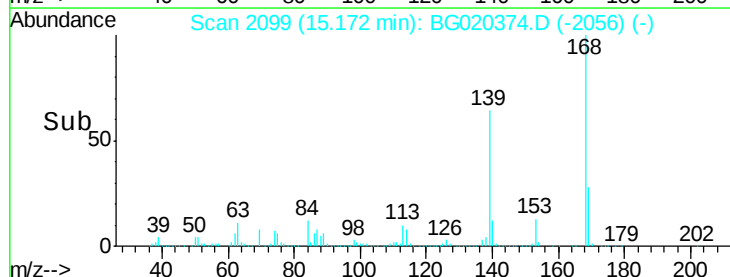
168 100

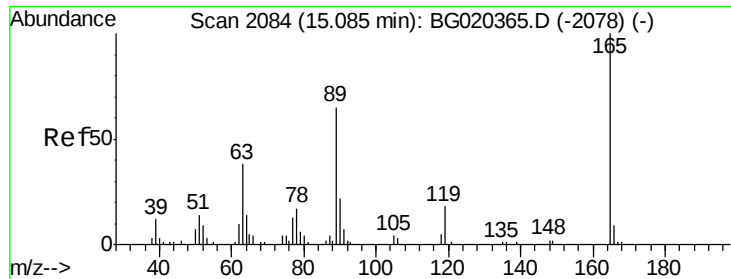
139 64.5 30.5 45.7#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

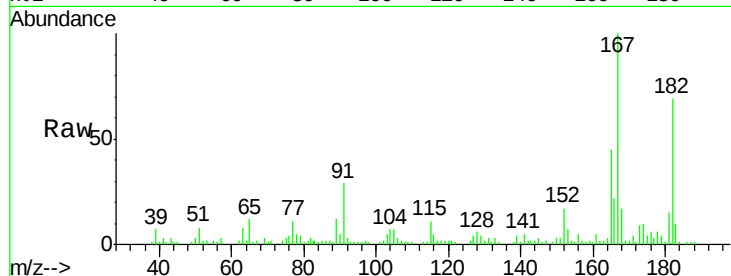




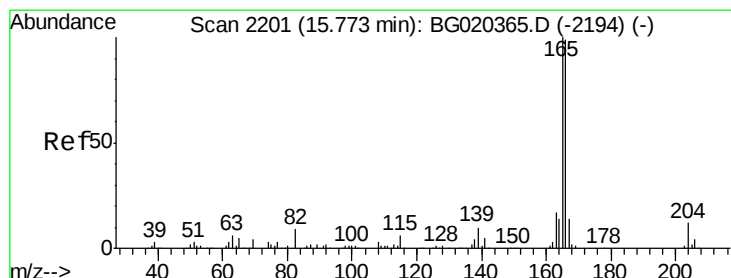
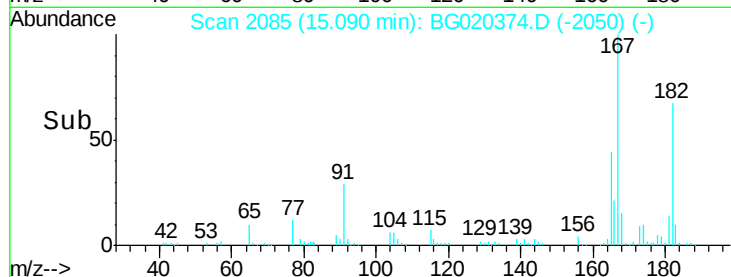
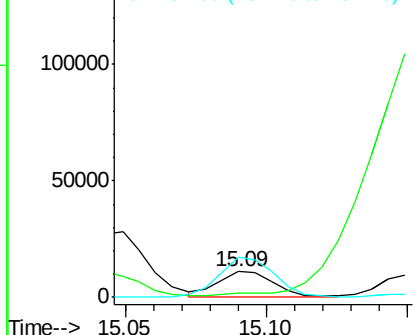
#55
2,4-Dinitrotoluene
Concen: 6.82 ng/ul
RT: 15.09 min Scan# 2085
Delta R.T. 0.00 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Instrument :
BNA_G
ClientSampleId :
D9N50

Tgt Ion:165 Resp: 14842
Ion Ratio Lower Upper
165 100
63 17.5 35.8 53.8#
182 153.7 2.2 3.2#

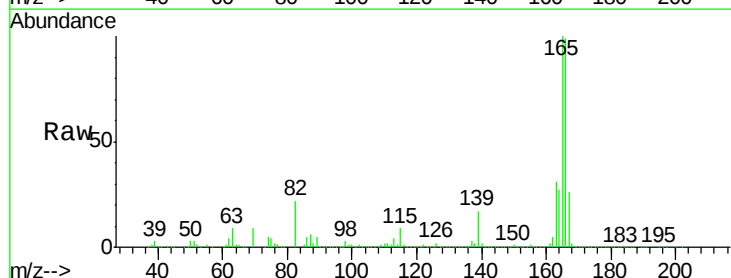


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGO
Ion 182.00 (181.70 to 182.70): E

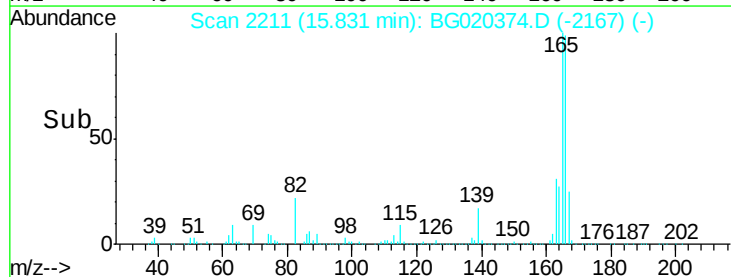
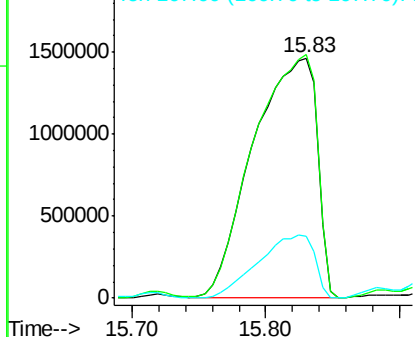


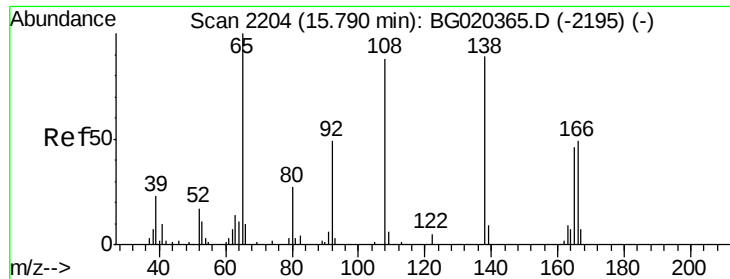
#59
Fluorene
Concen: 692.70 ng/ul
RT: 15.83 min Scan# 2211
Delta R.T. 0.06 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion:166 Resp: 4830960
Ion Ratio Lower Upper
166 100
165 101.3 81.4 122.0
167 25.9 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: 61.96 ng/ul

RT: 15.83 min Scan# 2211

Delta R.T. 0.04 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampleId :

D9N50

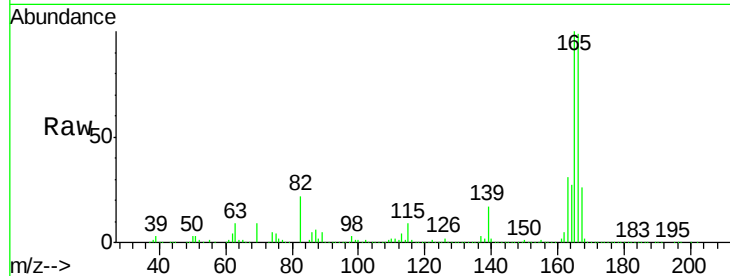
Tgt Ion:138 Resp: 96441

Ion Ratio Lower Upper

138 100

92 1.6 45.2 67.8#

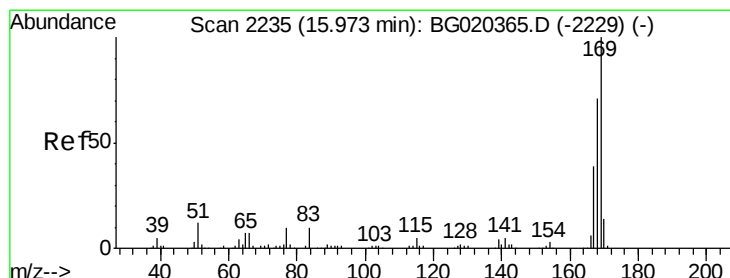
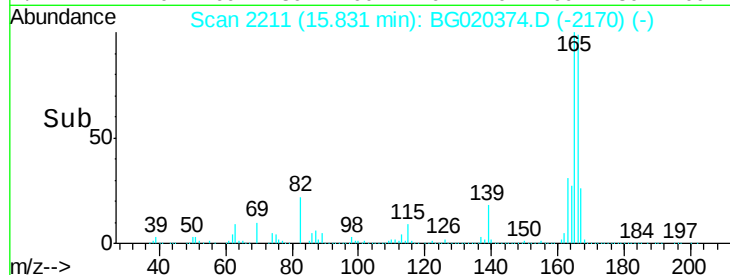
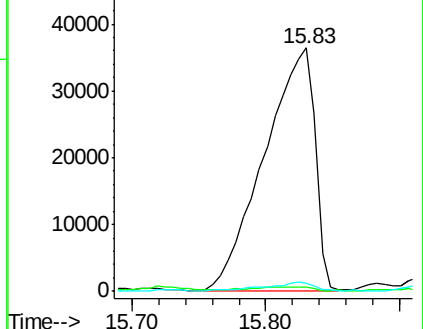
108 3.3 75.4 113.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#65

N-Nitrosodiphenylamine

Concen: 28.14 ng/ul

RT: 16.00 min Scan# 2239

Delta R.T. 0.02 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

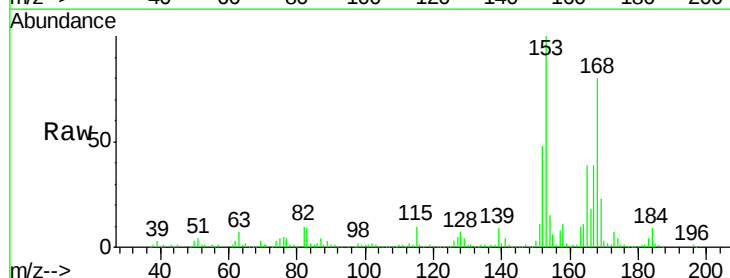
Tgt Ion:169 Resp: 33057

Ion Ratio Lower Upper

169 100

168 354.6 54.3 81.5#

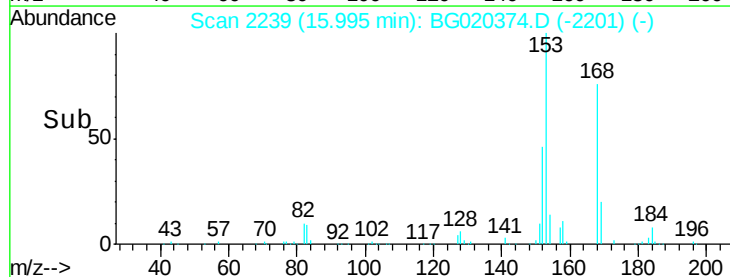
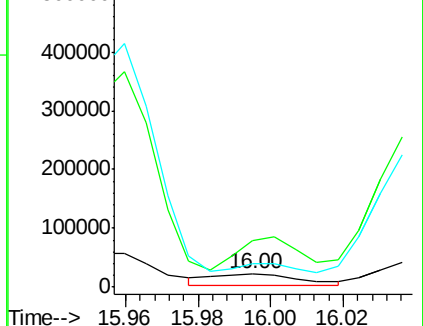
167 173.2 31.8 47.8#

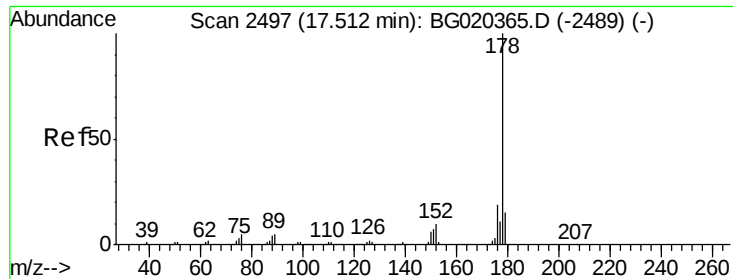


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

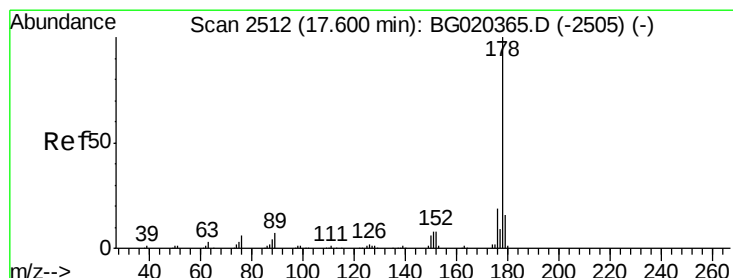
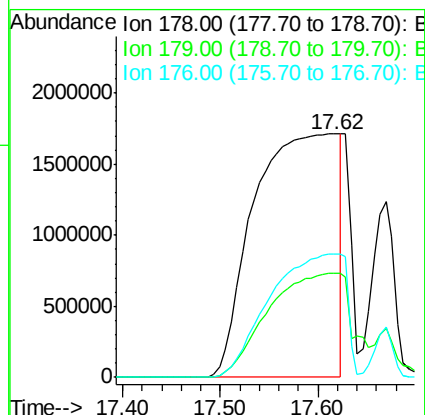
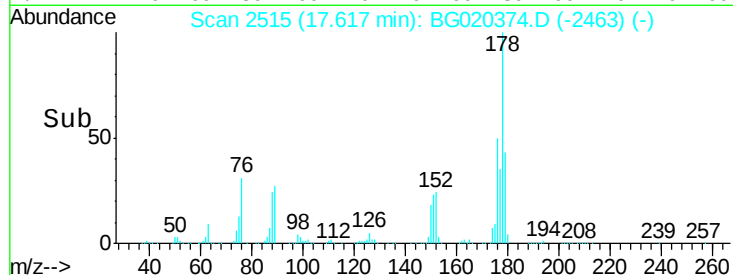
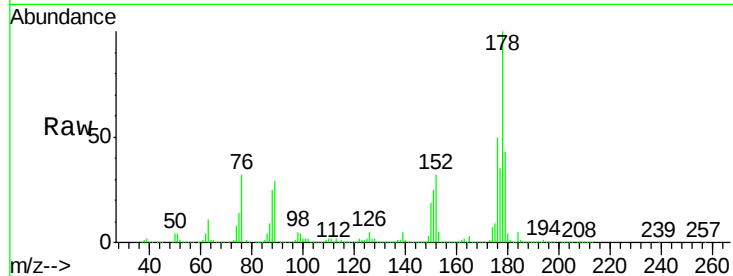




#70
Phenanthrene
Concen: 4425.93 ng/ul
RT: 17.62 min Scan# 2515
Delta R.T. 0.10 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

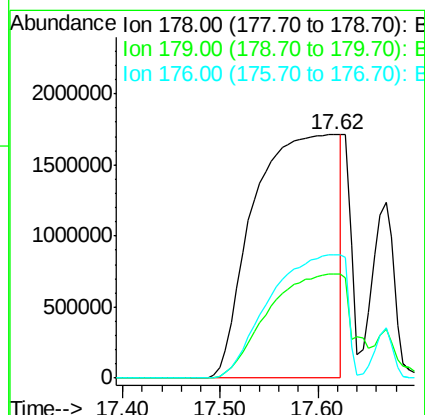
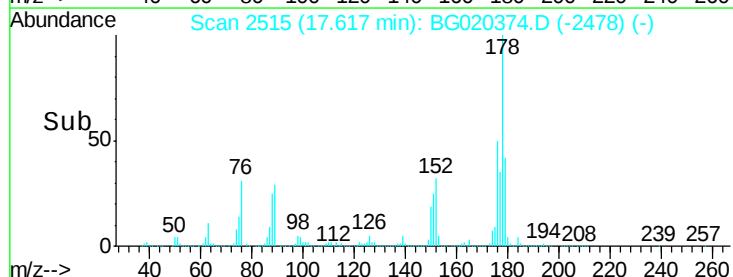
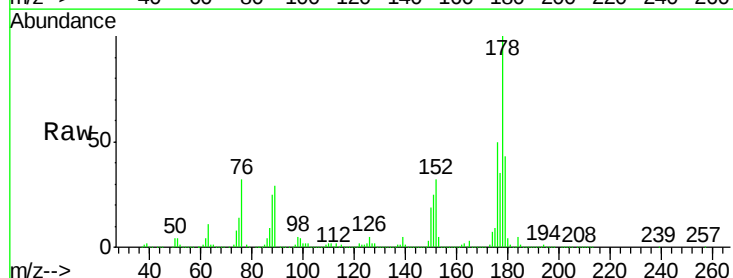
Instrument :
BNA_G
ClientSampleId :
D9N50

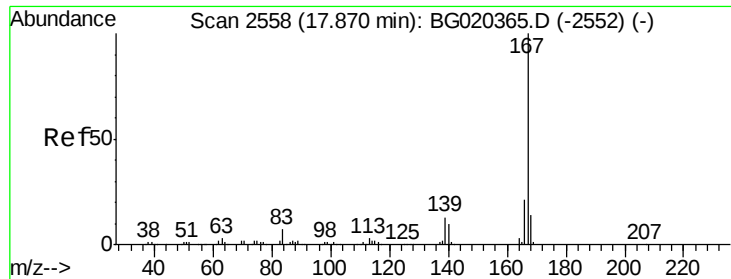
Tgt Ion:178 Resp:10228845
Ion Ratio Lower Upper
178 100
179 42.6 12.9 19.3#
176 50.4 15.3 22.9#



#72
Anthracene
Concen: 4363.71 ng/ul
RT: 17.62 min Scan# 2515
Delta R.T. 0.02 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion:178 Resp:10228845
Ion Ratio Lower Upper
178 100
179 42.6 12.3 18.5#
176 50.4 14.3 21.5#

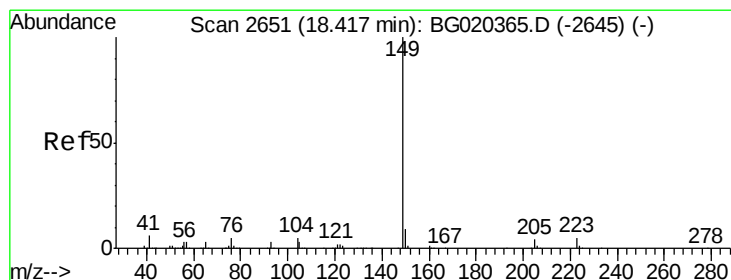
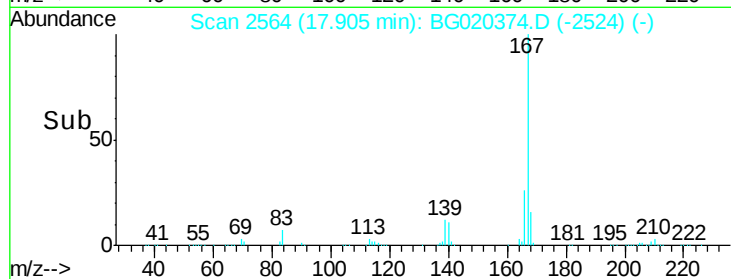
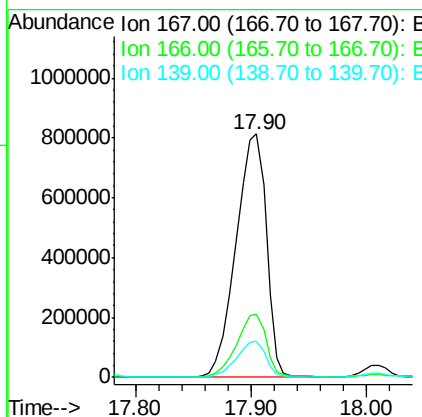
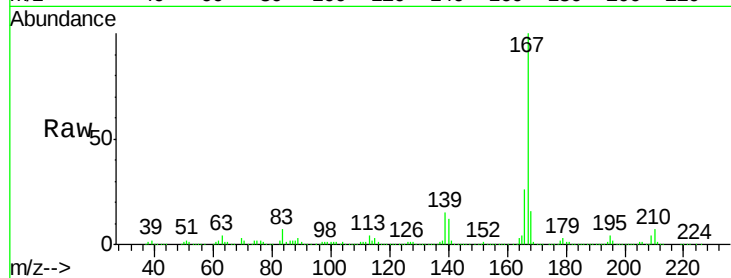




#75
 Carbazole
 Concen: 752.18 ng/ul
 RT: 17.90 min Scan# 2564
 Delta R.T. 0.03 min
 Lab File: BG020374.D
 Acq: 21 Dec 2015 11:35

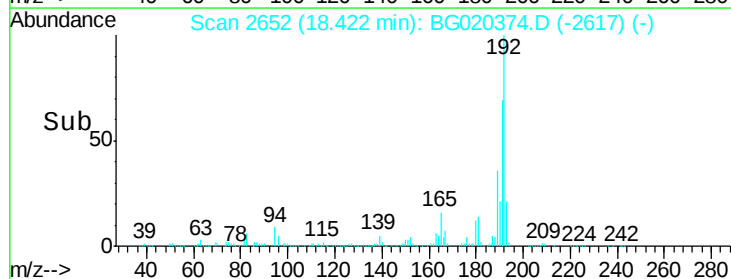
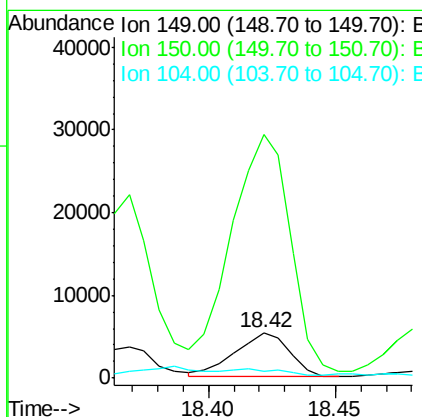
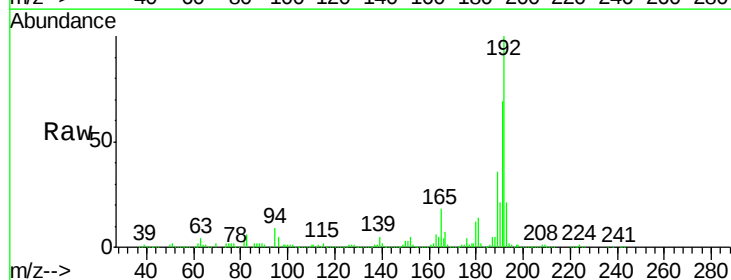
Instrument :
 BNA_G
 ClientSampleId :
 D9N50

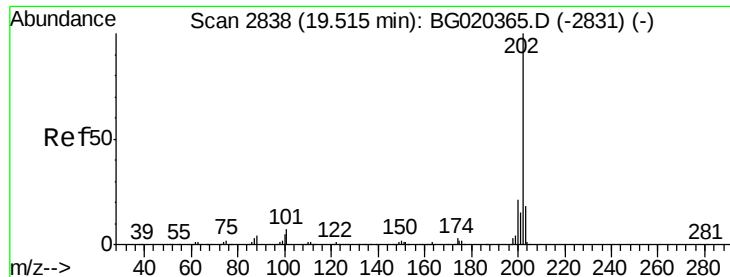
Tgt Ion:167 Resp: 1481506
 Ion Ratio Lower Upper
 167 100
 166 26.1 17.0 25.6#
 139 15.1 10.1 15.1



#76
 Di-n-butylphthalate
 Concen: 3.38 ng/ul
 RT: 18.42 min Scan# 2652
 Delta R.T. 0.00 min
 Lab File: BG020374.D
 Acq: 21 Dec 2015 11:35

Tgt Ion:149 Resp: 7732
 Ion Ratio Lower Upper
 149 100
 150 535.7 7.7 11.5#
 104 14.4 4.2 6.4#

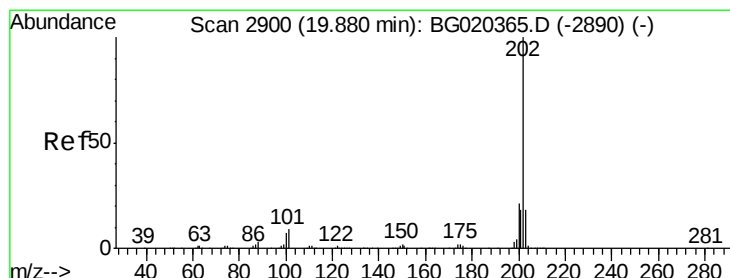
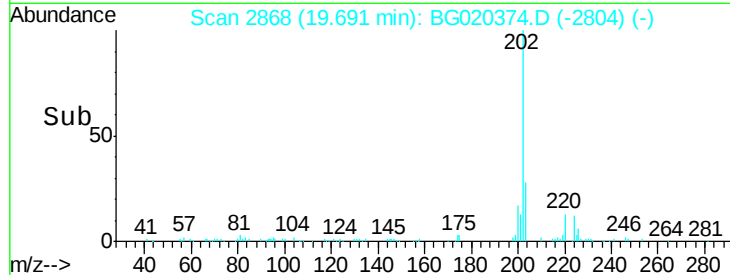
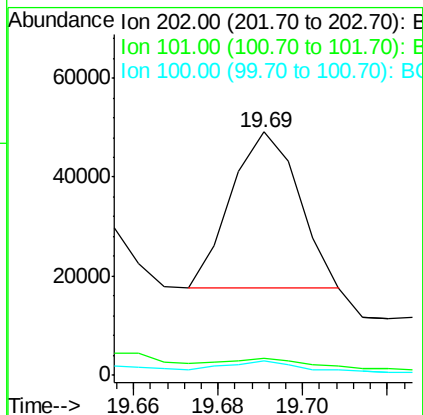
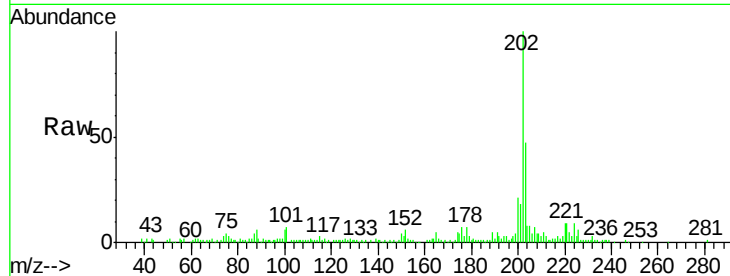




#77
Fluoranthene
Concen: 12.90 ng/ul
RT: 19.69 min Scan# 2868
Delta R.T. 0.18 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

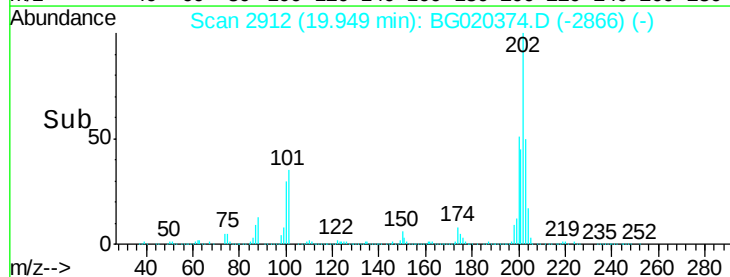
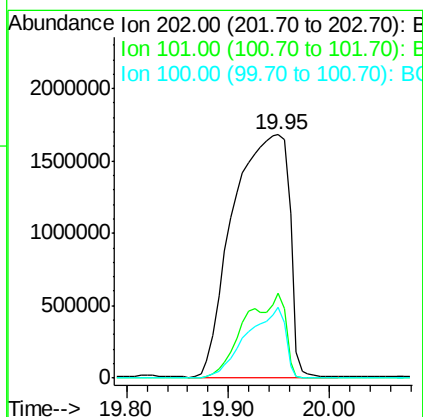
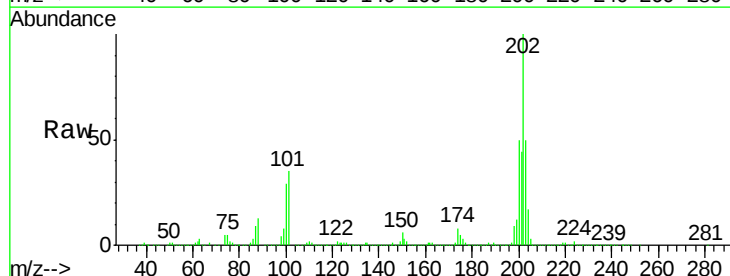
Instrument :
BNA_G
ClientSampleId :
D9N50

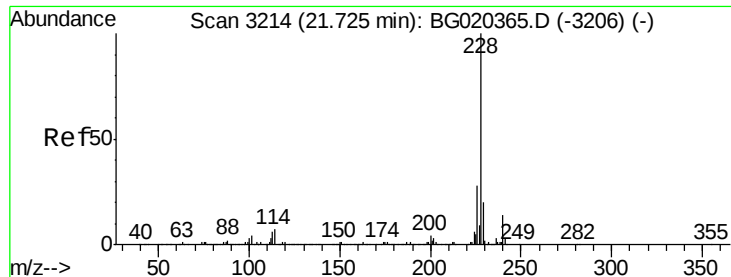
Tgt Ion:202 Resp: 34841
Ion Ratio Lower Upper
202 100
101 7.0 6.2 9.4
100 6.0 5.1 7.7



#80
Pyrene
Concen: 518.64 ng/ul
RT: 19.95 min Scan# 2912
Delta R.T. 0.07 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion:202 Resp: 6435167
Ion Ratio Lower Upper
202 100
101 34.7 7.0 10.4#
100 29.2 6.4 9.6#





#83

Benzo(a)anthracene

Concen: 236.79 ng/ul

RT: 21.76 min Scan# 3220

Delta R.T. 0.03 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampled :

D9N50

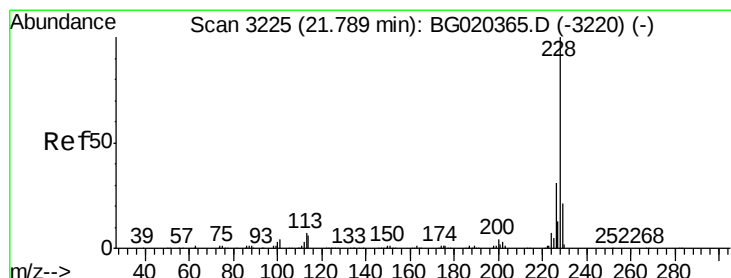
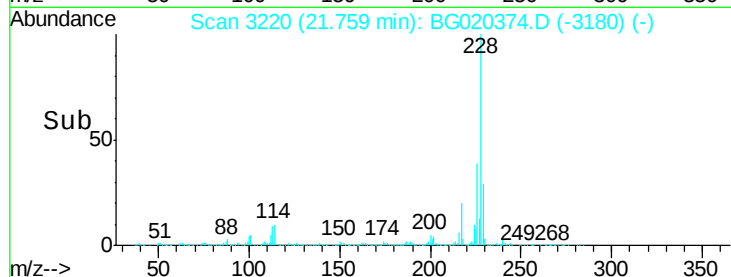
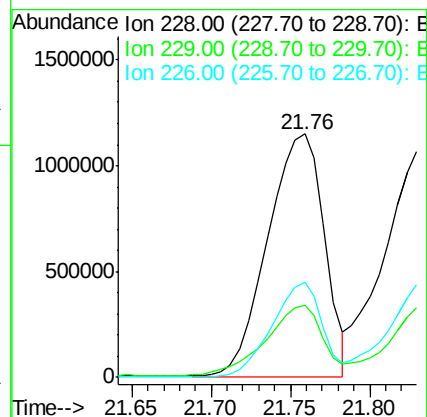
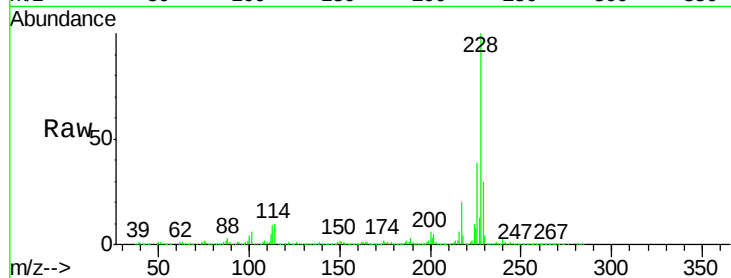
Tgt Ion:228 Resp: 2832451

Ion Ratio Lower Upper

228 100

229 29.6 15.8 23.8#

226 39.3 21.8 32.6#



#85

Chrysene

Concen: 216.01 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. 0.04 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

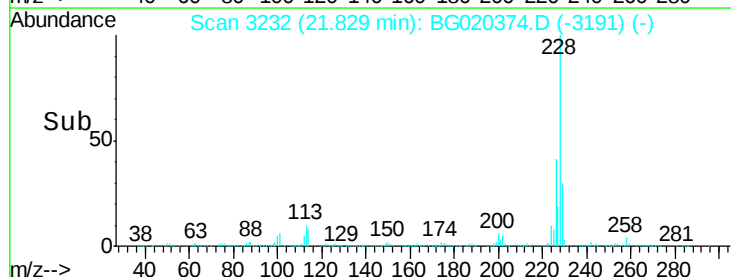
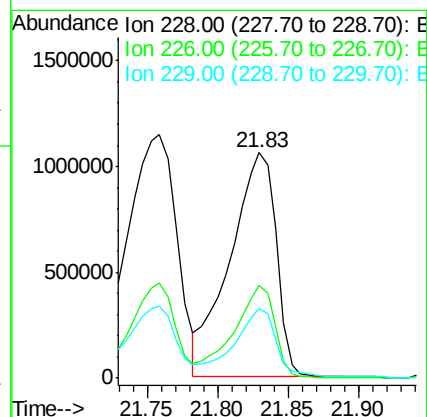
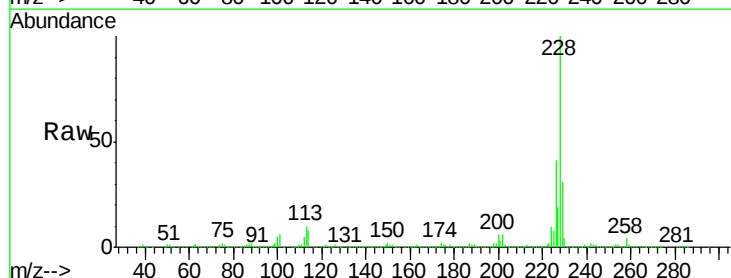
Tgt Ion:228 Resp: 2433546

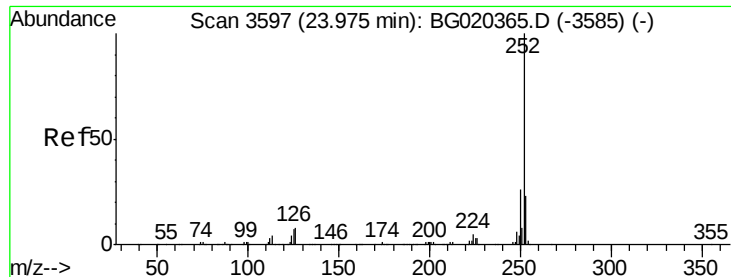
Ion Ratio Lower Upper

228 100

226 41.0 23.9 35.9#

229 30.6 15.6 23.4#





#88

Benzo(b)fluoranthene

Concen: 135.59 ng/u1

RT: 24.02 min Scan# 3604

Delta R.T. 0.04 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampleId :

D9N50

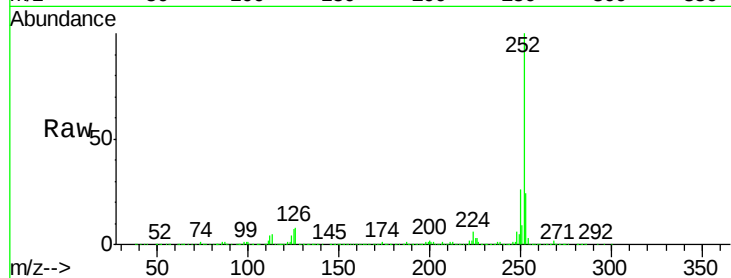
Tgt Ion:252 Resp: 1598858

Ion Ratio Lower Upper

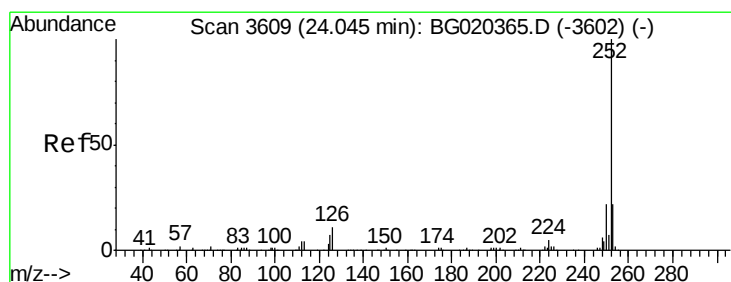
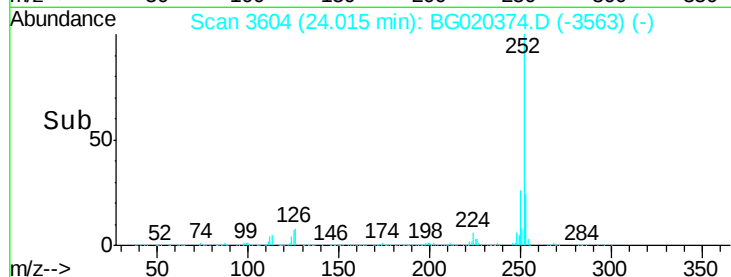
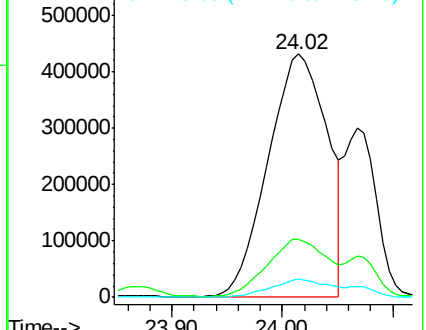
252 100

253 23.8 16.7 25.1

125 7.4 6.2 9.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 44.85 ng/u1

RT: 24.07 min Scan# 3613

Delta R.T. 0.02 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

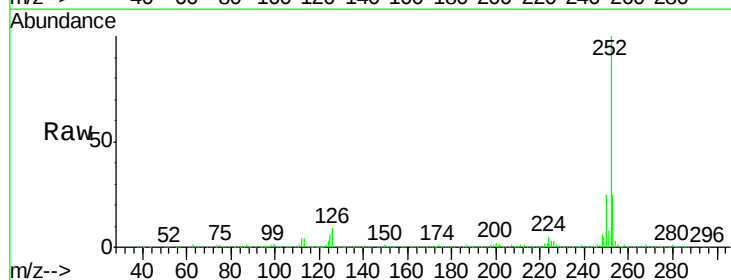
Tgt Ion:252 Resp: 507486

Ion Ratio Lower Upper

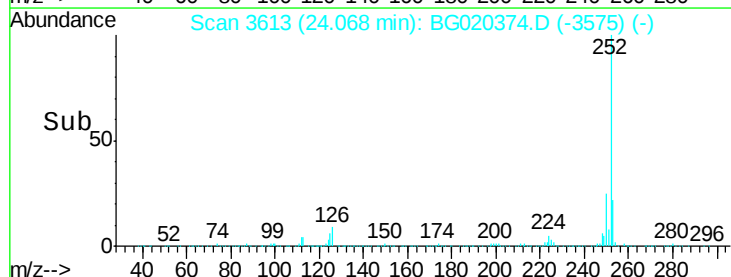
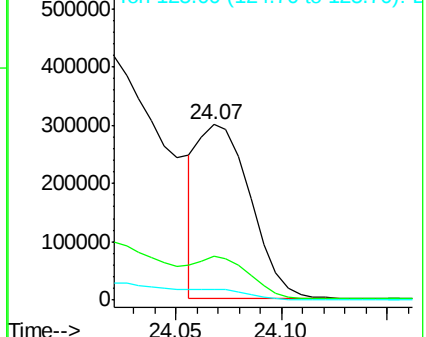
252 100

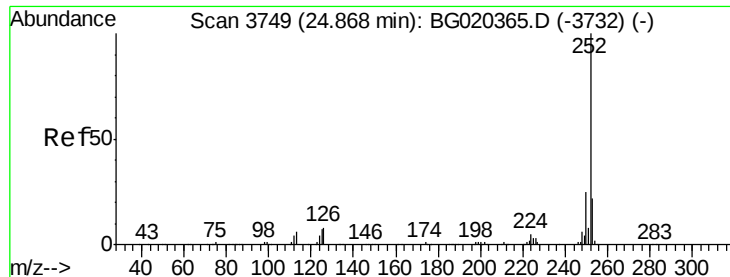
253 24.7 17.9 26.9

125 6.4 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: 82.20 ng/ul

RT: 24.90 min Scan# 3755

Delta R.T. 0.03 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

Instrument :

BNA_G

ClientSampleId :

D9N50

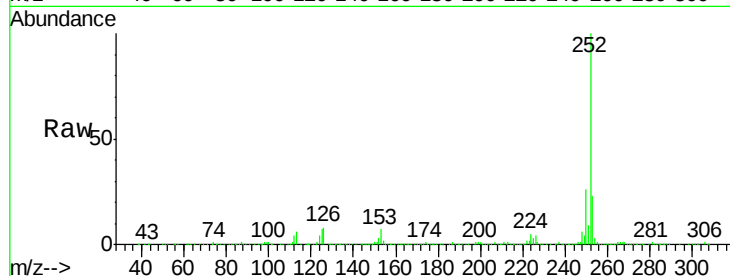
Tgt Ion:252 Resp: 918800

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

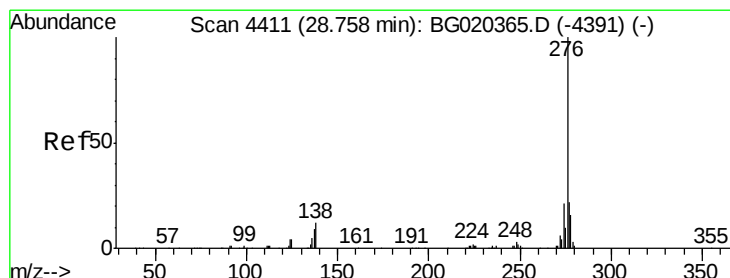
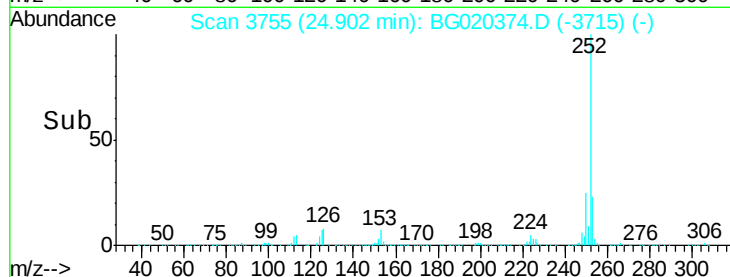
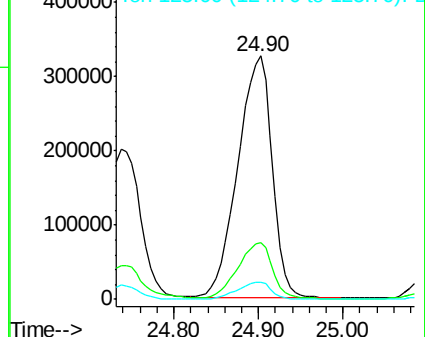
125 6.9 6.2 9.4



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: 10.88 ng/ul

RT: 28.77 min Scan# 4413

Delta R.T. 0.01 min

Lab File: BG020374.D

Acq: 21 Dec 2015 11:35

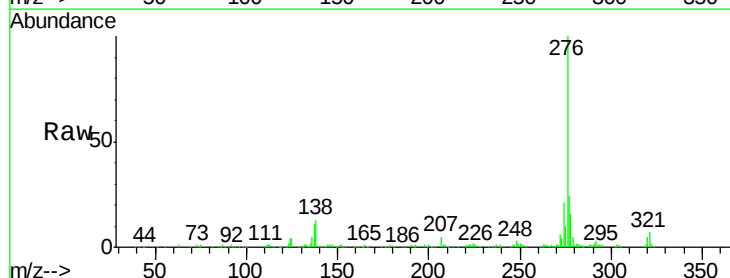
Tgt Ion:276 Resp: 144873

Ion Ratio Lower Upper

276 100

138 12.7 11.4 17.0

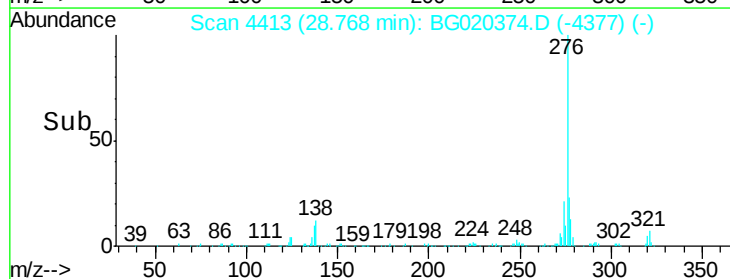
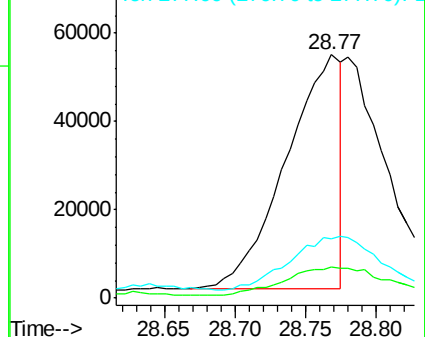
277 24.4 17.4 26.0

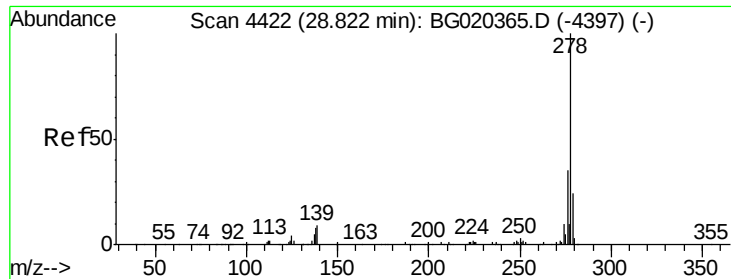


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



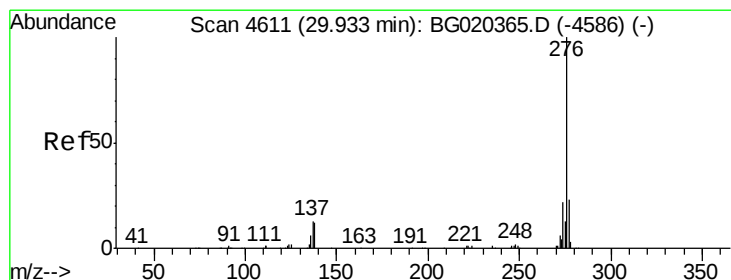
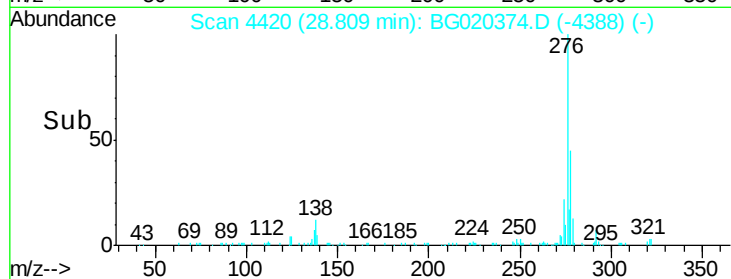
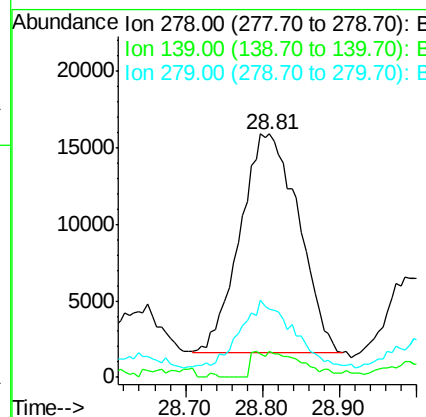
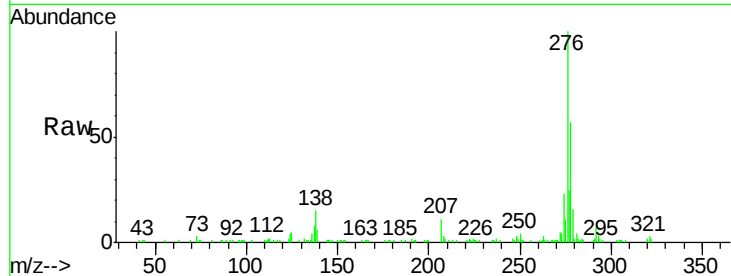


#93
Dibenzo(a,h)anthracene
Concen: 6.80 ng/ul
RT: 28.81 min Scan# 4420
Delta R.T. -0.01 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Instrument :
BNA_G
ClientSampleId :
D9N50

Tgt Ion: 278 Resp: 75152

Ion	Ratio	Lower	Upper
278	100		
139	10.8	9.4	14.2
279	28.0	19.4	29.0



#94
Benzo(g,h,i)perylene
Concen: 16.97 ng/ul
RT: 29.94 min Scan# 4612
Delta R.T. 0.00 min
Lab File: BG020374.D
Acq: 21 Dec 2015 11:35

Tgt Ion: 276 Resp: 185151

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

