

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021988.D
 Acq On : 21 May 2016 22:37
 Operator : UM/SJ
 Sample : H3146-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BD3G5

Quant Time: May 22 06:44:49 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun May 22 06:41:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	37981	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	202196	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	118254	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	239634	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	224993	20.00	ng/ul	0.00
84) Perylene-d12	25.13	264	202679	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1231	1.69	ng/uL	0.00
5) Phenol-d5	7.31	99	30118	8.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	60737	33.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	84391	29.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	57677	19.82	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	52992	35.54	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	58611	36.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	88692	30.46	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	5760	1.86	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	320349	36.07	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	434760	35.05	ng/ul	0.00
52) 4-Nitrophenol-d4	15.03	143	1598	1.04	ng/ul	0.04
58) Fluorene-d10	15.77	176	291396	35.03	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	37083	29.60	ng/ul	0.00
71) Anthracene-d10	17.63	188	410141	35.56	ng/ul	0.00
77) Pyrene-d10	19.91	212	450585	35.51	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	358226	38.09	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	114	0.09	ng/uL#	30
4) Benzaldehyde	7.68	77	1617	0.86	ng/ul#	67
8) Bis(2-Chloroethyl)ether	7.57	93	152	0.06	ng/ul#	72
12) 2,2'-oxybis(1-Chloropropan	8.86	45	127	0.04	ng/ul#	64
15) N-Nitroso-di-n-propylamine	8.89	70	59	0.03	ng/ul#	11
21) Isophorone	9.91	82	252	0.04	ng/ul#	64
28) Naphthalene	10.61	128	86	0.01	ng/ul#	1
43) 2-Nitroaniline	14.18	65	702	0.43	ng/ul#	1
45) Dimethylphthalate	14.18	163	187	0.02	ng/ul#	1
46) 2,6-Dinitrotoluene	14.78	165	14642	7.65	ng/ul#	36
49) 3-Nitroaniline	14.22	138	512	0.29	ng/ul#	51
55) 2,4-Dinitrotoluene	14.78	165	14642	5.67	ng/ul#	46
57) Diethylphthalate	15.58	149	403	0.04	ng/ul#	59
59) Fluorene	15.77	166	689	0.08	ng/ul#	1
65) N-Nitrosodiphenylamine	15.89	169	151	0.02	ng/ul#	1
74) Di-n-butylphthalate	18.47	149	1884	0.12	ng/ul#	79
75) Fluoranthene	19.90	202	612	0.05	ng/ul#	1
78) Pyrene	19.90	202	612	0.04	ng/ul#	1
79) Butylbenzylphthalate	20.80	149	129	0.02	ng/ul#	25
81) Benzo(a)anthracene	21.80	228	443	0.03	ng/ul#	51
82) Bis(2-ethylhexyl)phthalate	21.67	149	853	0.08	ng/ul#	52
83) Chrysene	21.80	228	443	0.03	ng/ul#	50
85) Di-n-octyl phthalate	22.93	149	209	0.01	ng/ul	100

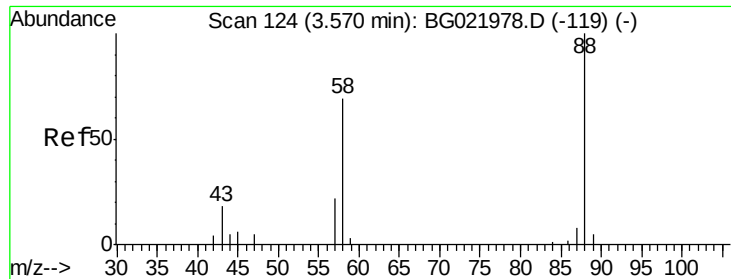
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021988.D
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Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 06:41:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	24.92	252	670	0.06	ng/ul#	58

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



#2

1,4-Dioxane

Concen: 0.09 ng/uL

RT: 3.56 min Scan# 123

Delta R.T. -0.01 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

Instrument :

BNA_G

ClientSampleId :

BD3G5

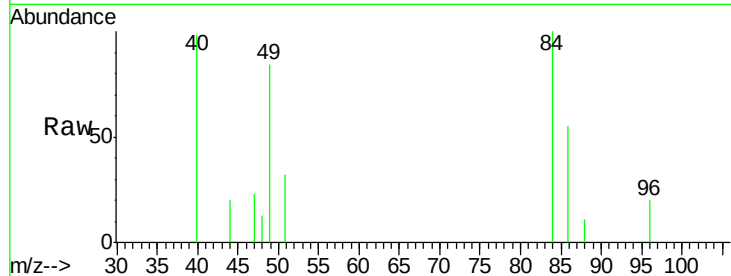
Tgt Ion: 88 Resp: 114

Ion Ratio Lower Upper

88 100

43 0.0 16.6 24.8#

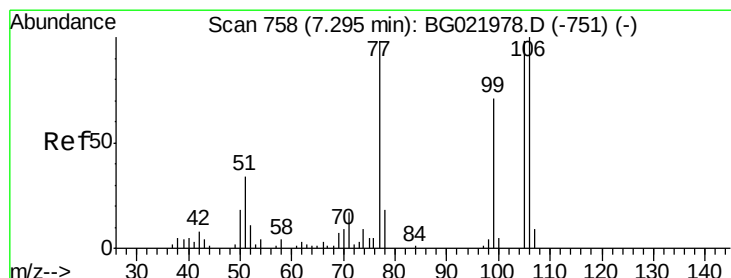
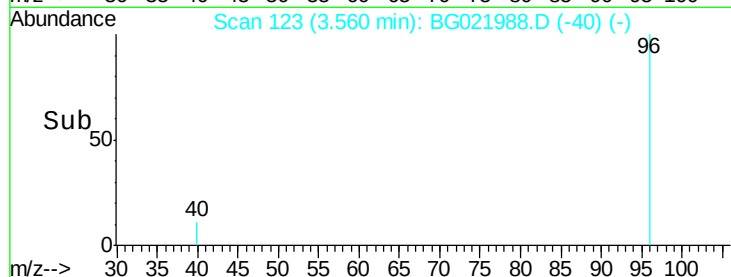
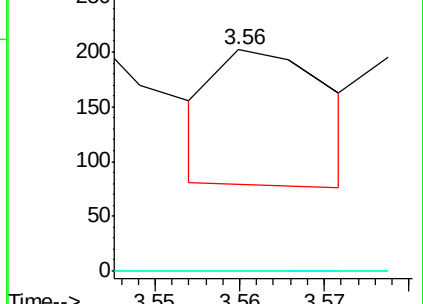
58 0.0 47.2 70.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 0.86 ng/uL

RT: 7.68 min Scan# 825

Delta R.T. 0.39 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

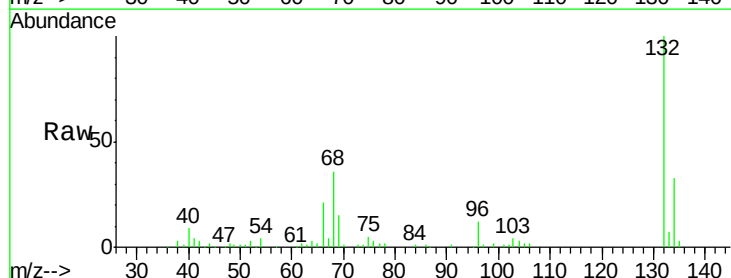
Tgt Ion: 77 Resp: 1617

Ion Ratio Lower Upper

77 100

105 69.4 83.8 125.8#

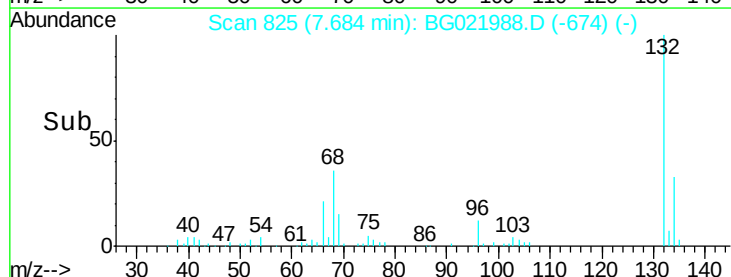
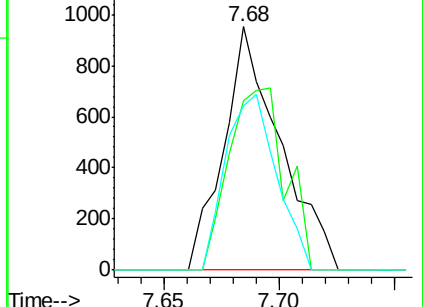
106 67.5 77.9 116.9#

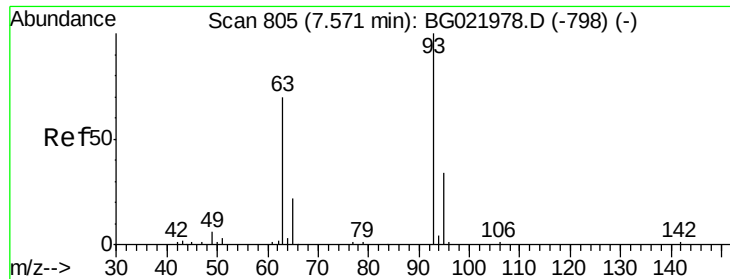


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#8

Bis(2-Chloroethyl)ether

Concen: 0.06 ng/ul

RT: 7.57 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

Instrument :

BNA_G

ClientSampleId :

BD3G5

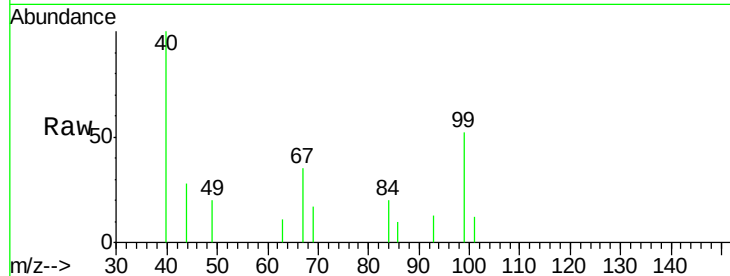
Tgt Ion: 93 Resp: 152

Ion Ratio Lower Upper

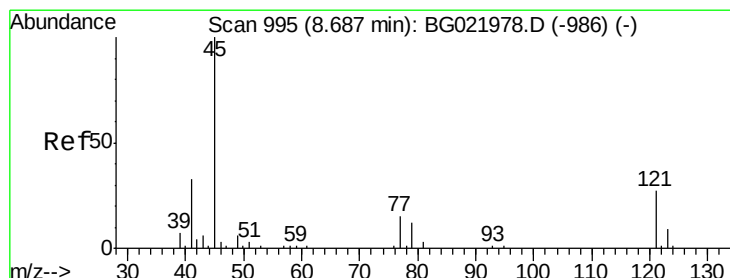
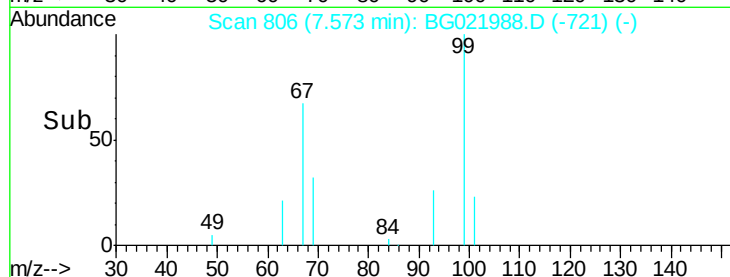
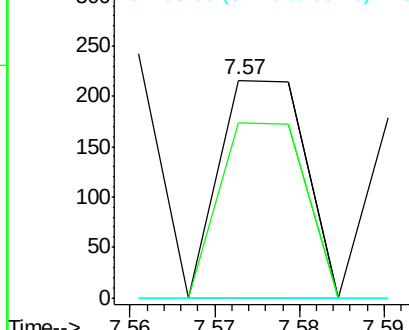
93 100

63 80.6 56.0 84.0

95 0.0 27.7 41.5#



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



#12

2,2'-oxybis(1-Chloropropane)

Concen: 0.04 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.17 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

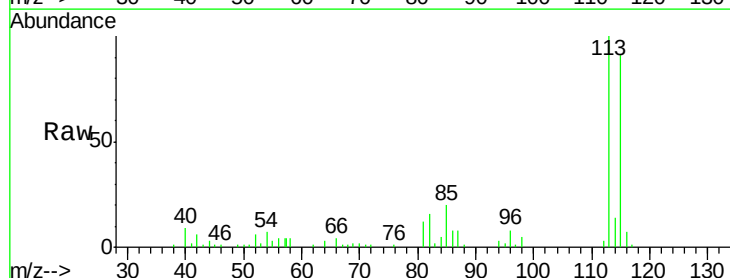
Tgt Ion: 45 Resp: 127

Ion Ratio Lower Upper

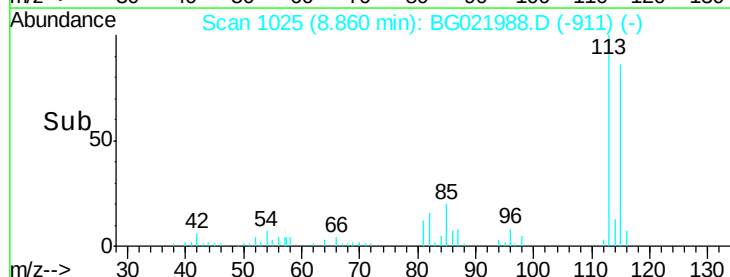
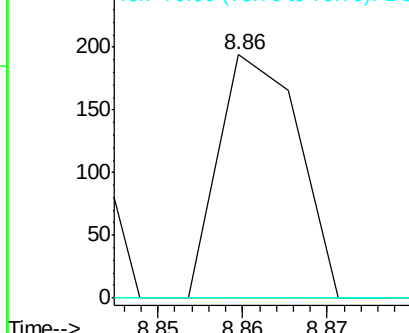
45 100

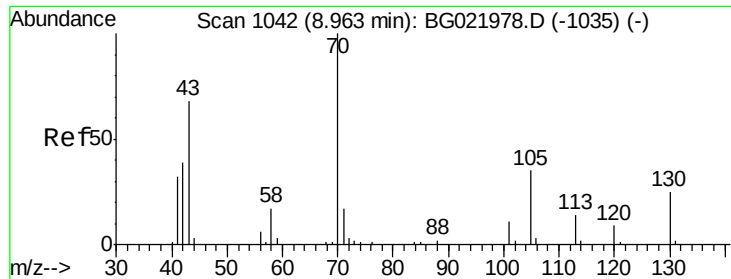
77 0.0 13.4 20.2#

79 0.0 10.2 15.4#



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

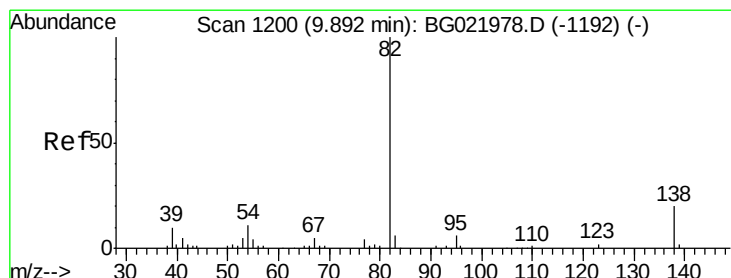
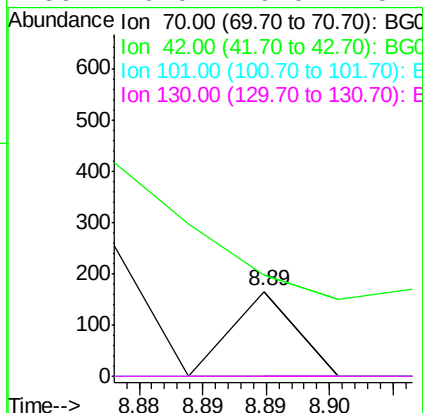
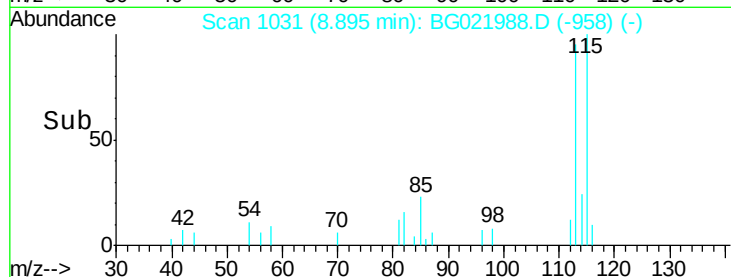
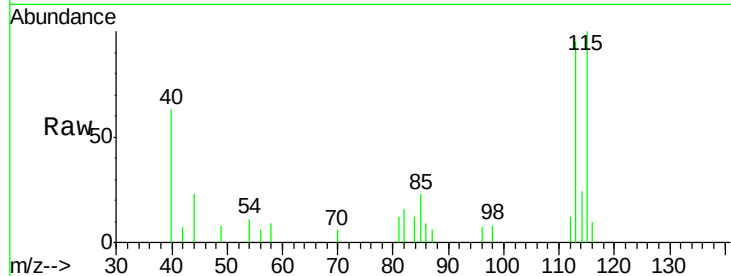




#15
N-Nitroso-di-n-propylamine
Concen: 0.03 ng/ul
RT: 8.89 min Scan# 1031
Delta R.T. -0.07 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

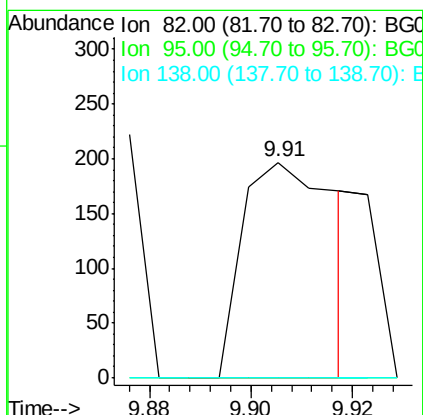
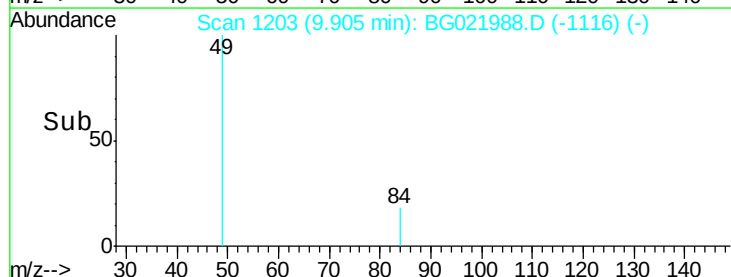
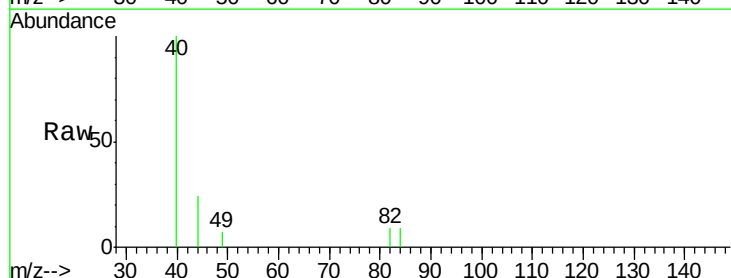
Instrument :
BNA_G
ClientSampleId :
BD3G5

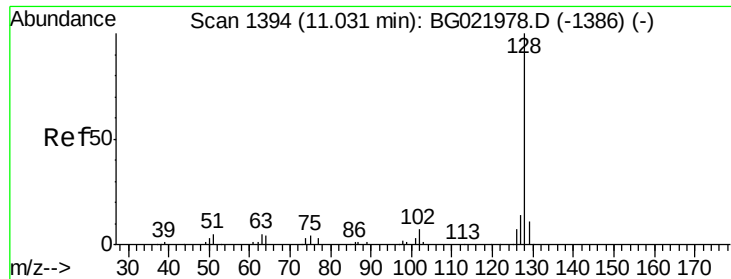
Tgt Ion: 70 Resp: 59
Ion Ratio Lower Upper
70 100
42 119.3 31.4 47.2#
101 0.0 8.6 13.0#
130 0.0 19.0 28.4#



#21
Isophorone
Concen: 0.04 ng/ul
RT: 9.91 min Scan# 1203
Delta R.T. 0.01 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

Tgt Ion: 82 Resp: 252
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 15.0 22.6#

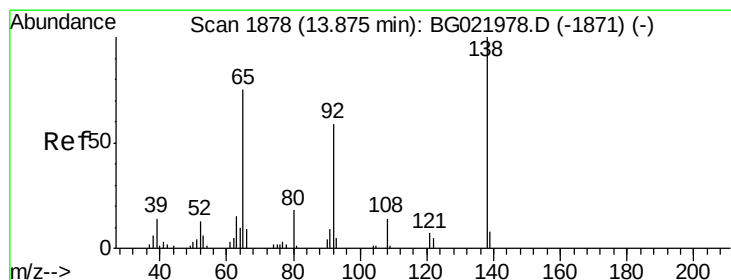
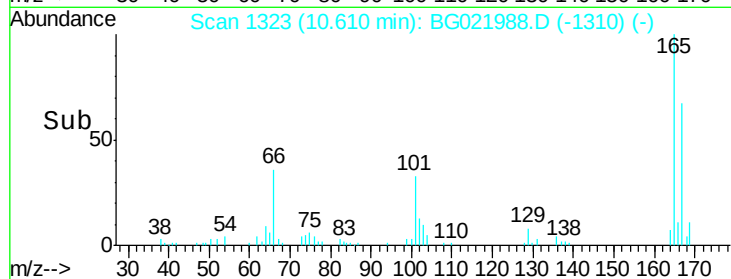
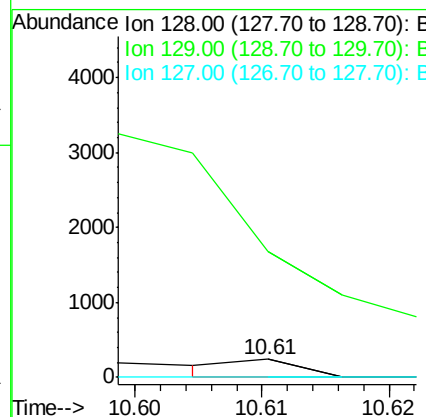
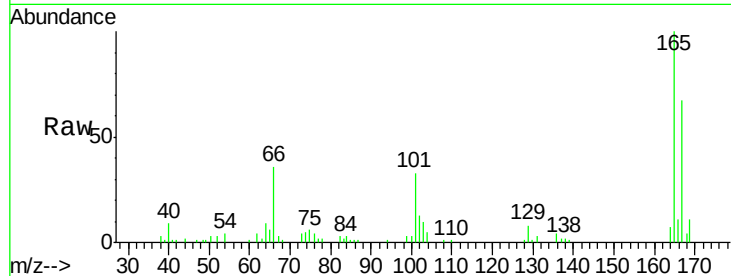




#28
Naphthalene
Concen: 0.01 ng/ul
RT: 10.61 min Scan# 1323
Delta R.T. -0.42 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

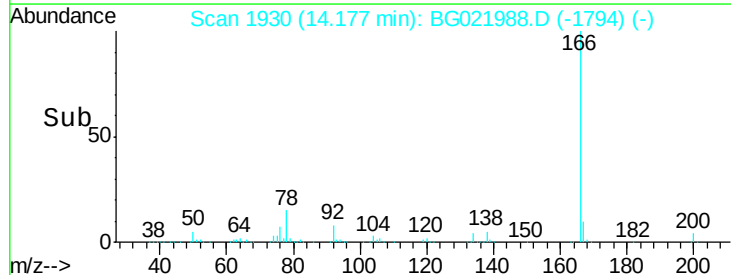
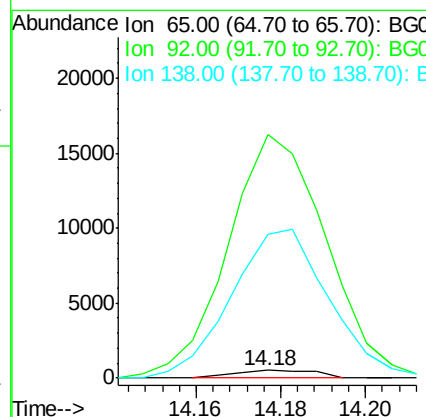
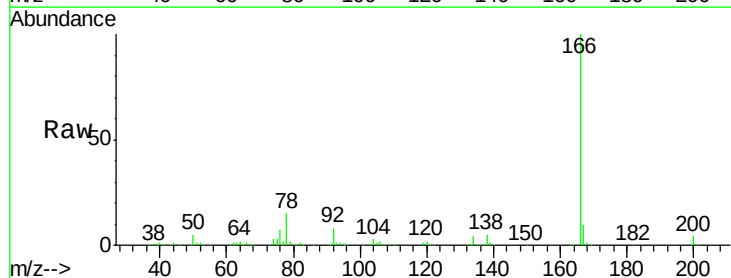
Instrument :
BNA_G
ClientSampleId :
BD3G5

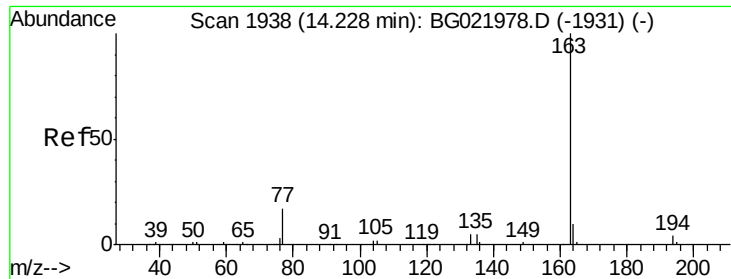
Tgt Ion:128 Resp: 86
Ion Ratio Lower Upper
128 100
129 688.5 9.4 14.2#
127 0.0 11.2 16.8#



#43
2-Nitroaniline
Concen: 0.43 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.30 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

Tgt Ion: 65 Resp: 702
Ion Ratio Lower Upper
65 100
92 3105.9 67.1 100.7#
138 1826.2 109.6 164.4#





#45

Dimethylphthalate

Concen: 0.02 ng/ul

RT: 14.18 min Scan# 1931

Delta R.T. -0.05 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

Instrument :

BNA_G

ClientSampleId :

BD3G5

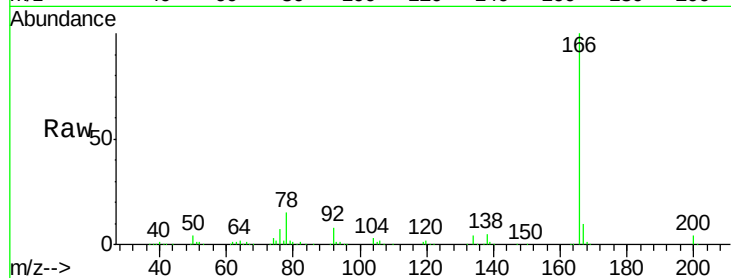
Tgt Ion:163 Resp: 187

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

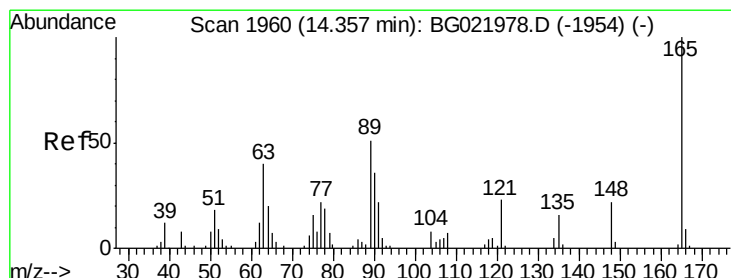
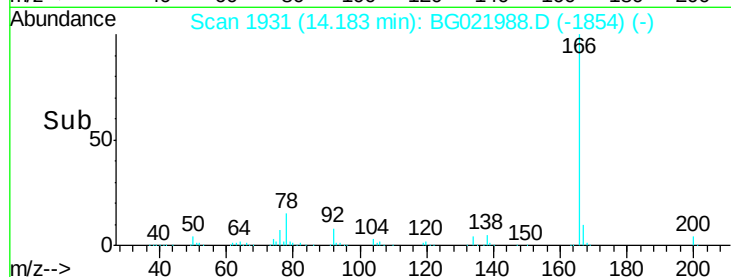
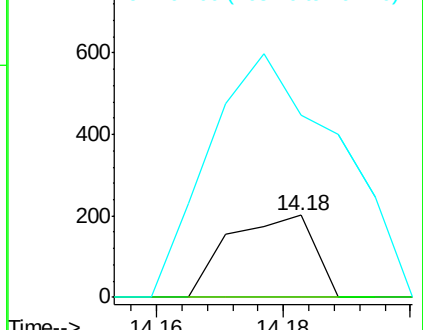
164 222.4 8.8 13.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#46

2,6-Dinitrotoluene

Concen: 7.65 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.43 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

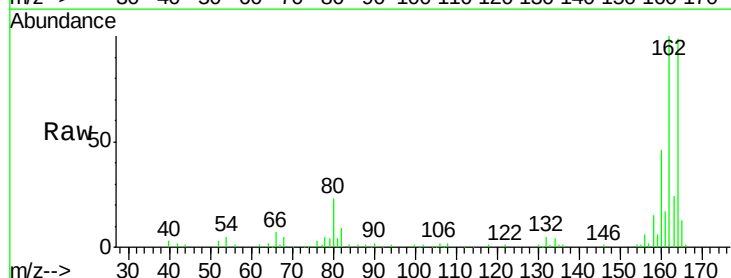
Tgt Ion:165 Resp: 14642

Ion Ratio Lower Upper

165 100

89 1.7 41.5 62.3#

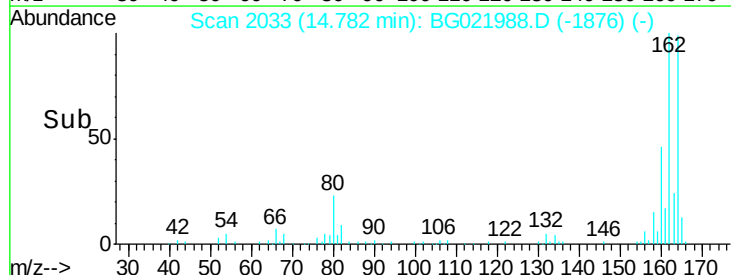
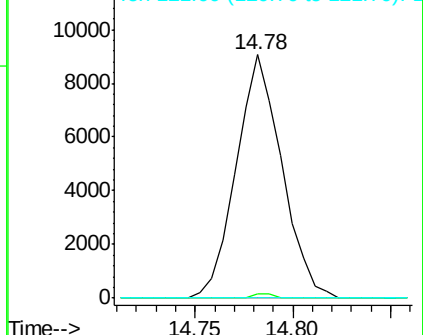
121 0.0 17.0 25.4#

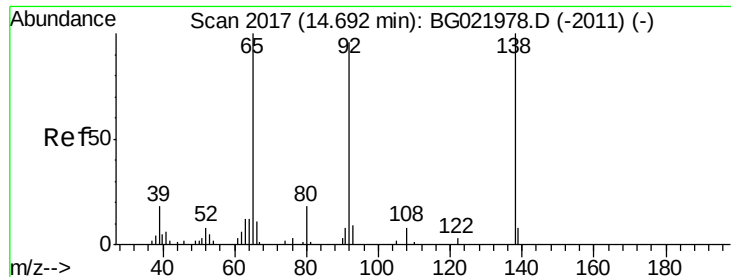


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E

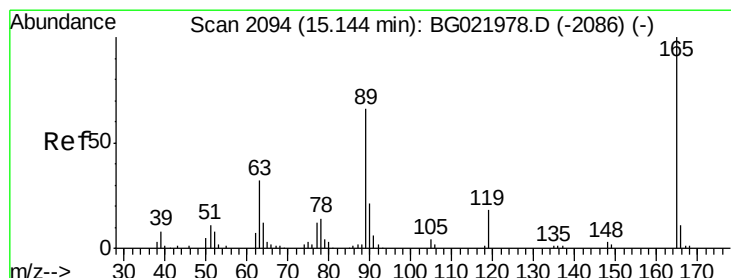
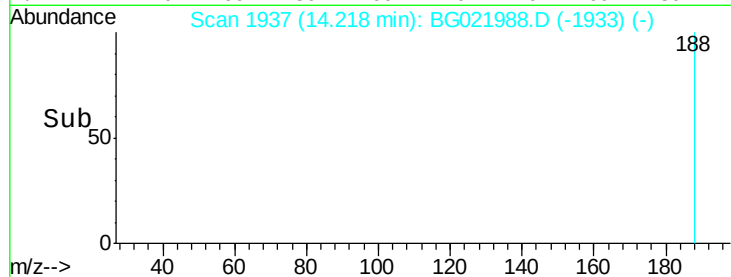
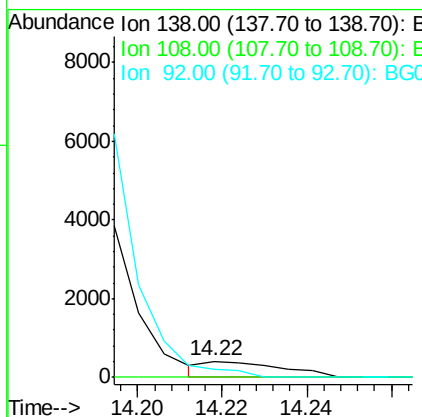
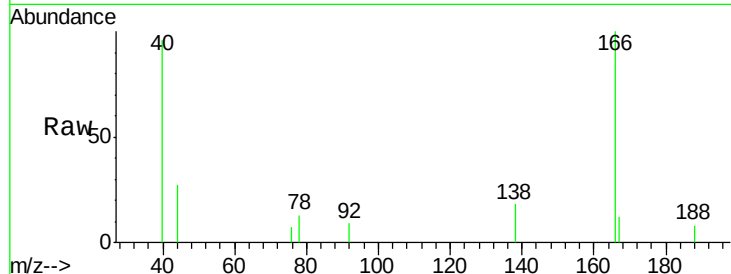




#49
3-Nitroaniline
Concen: 0.29 ng/ul
RT: 14.22 min Scan# 1937
Delta R.T. -0.47 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

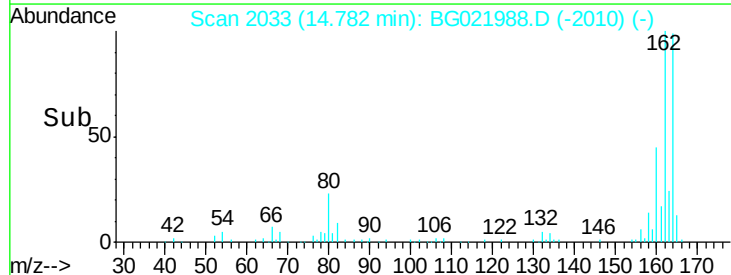
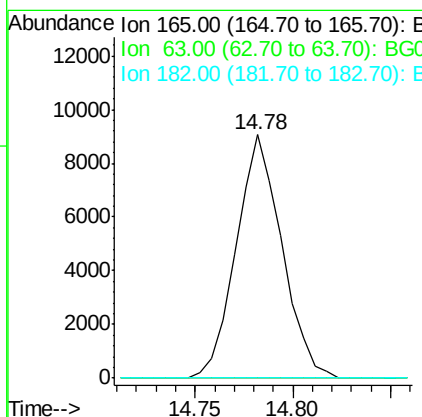
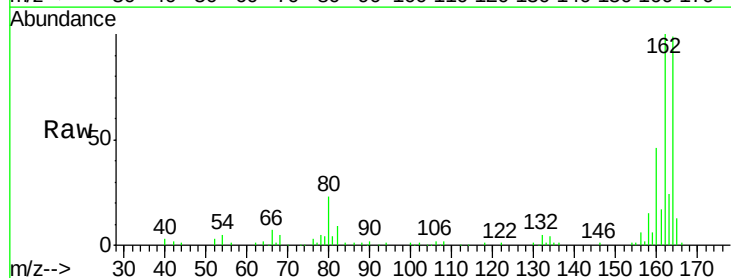
Instrument :
BNA_G
ClientSampleId :
BD3G5

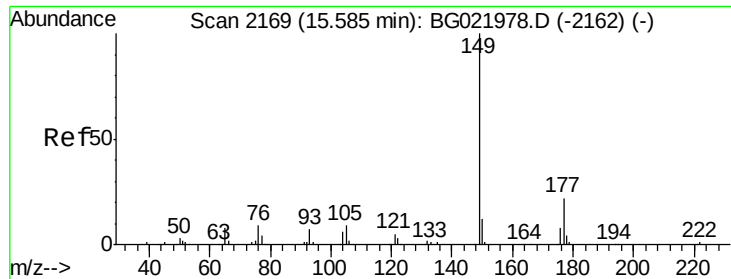
Tgt Ion:138 Resp: 512
Ion Ratio Lower Upper
138 100
108 0.0 6.2 9.2#
92 48.1 79.3 118.9#



#55
2,4-Dinitrotoluene
Concen: 5.67 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.36 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

Tgt Ion:165 Resp: 14642
Ion Ratio Lower Upper
165 100
63 0.0 25.7 38.5#
182 0.0 2.1 3.1#





#57

Diethylphthalate

Concen: 0.04 ng/ul

RT: 15.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

Instrument :

BNA_G

ClientSampleId :

BD3G5

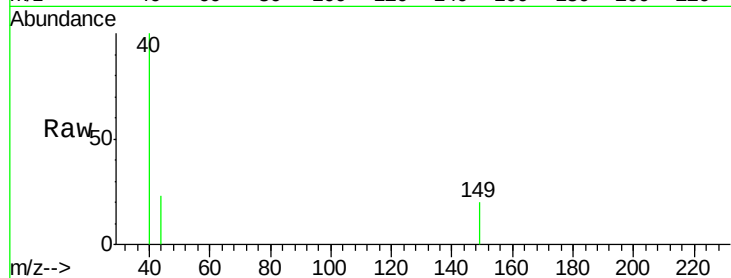
Tgt Ion:149 Resp: 403

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.2#

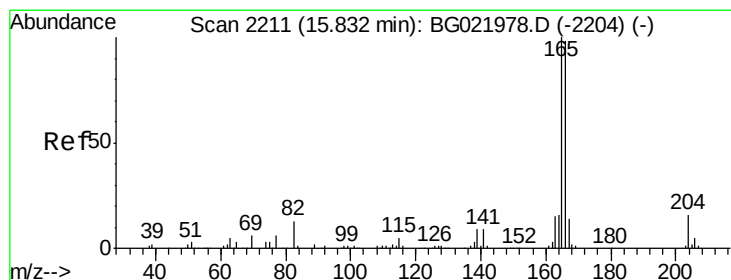
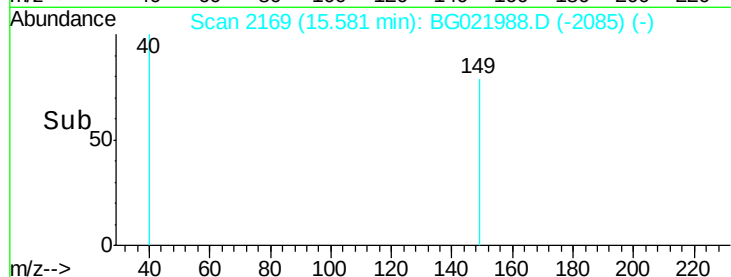
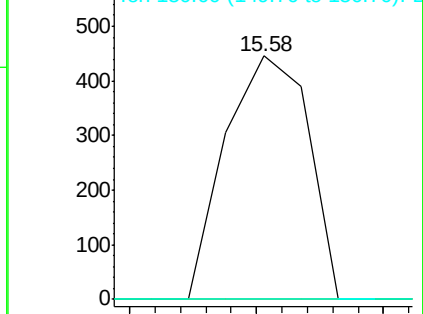
150 0.0 9.6 14.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#59

Fluorene

Concen: 0.08 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. -0.06 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

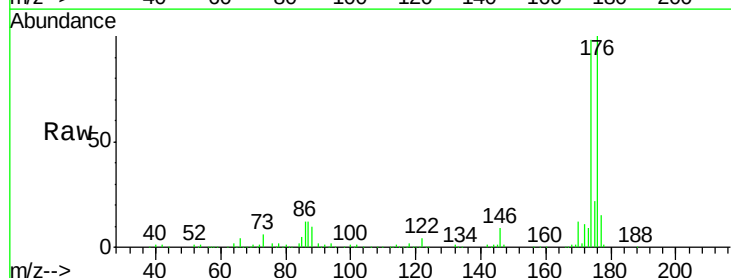
Tgt Ion:166 Resp: 689

Ion Ratio Lower Upper

166 100

165 0.0 80.3 120.5#

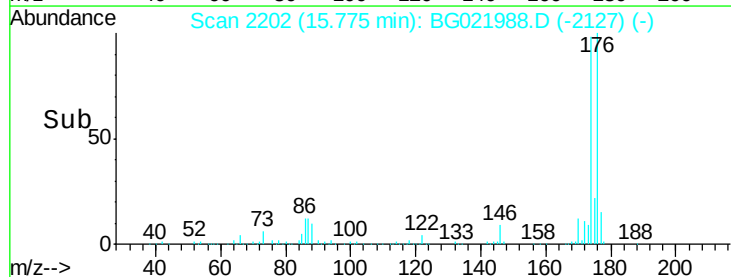
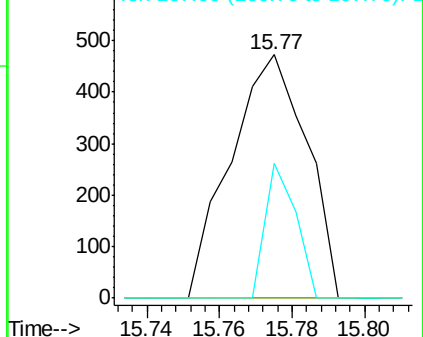
167 55.4 10.3 15.5#

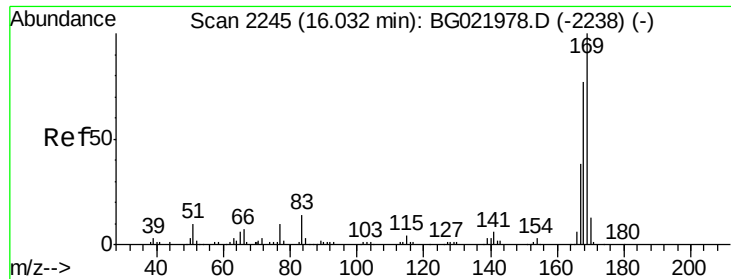


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#65

N-Nitrosodiphenylamine

Concen: 0.02 ng/ul

RT: 15.89 min Scan# 2222

Delta R.T. -0.14 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

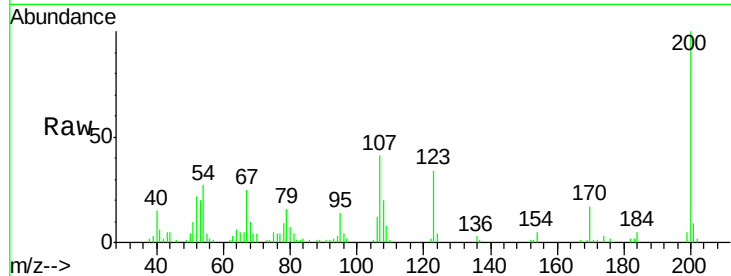
Instrument :

BNA_G

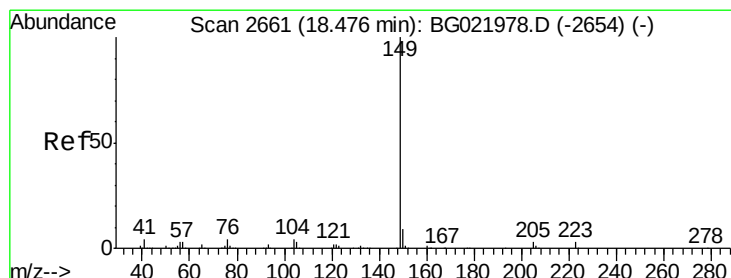
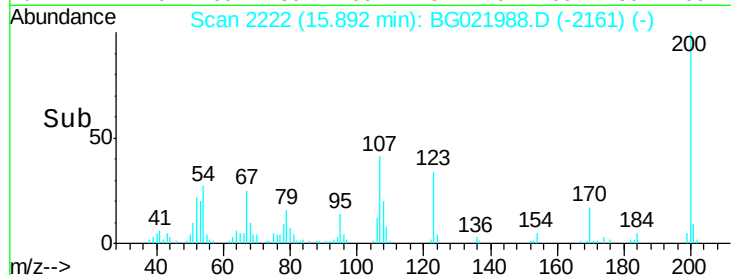
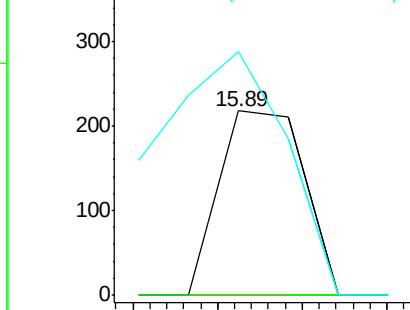
ClientSampleId :

BD3G5

Tgt Ion:	169	Resp:	151
Ion	Ratio	Lower	Upper
169	100		
168	0.0	59.0	88.6#
167	132.1	30.6	46.0#



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



#74

Di-n-butylphthalate

Concen: 0.12 ng/ul

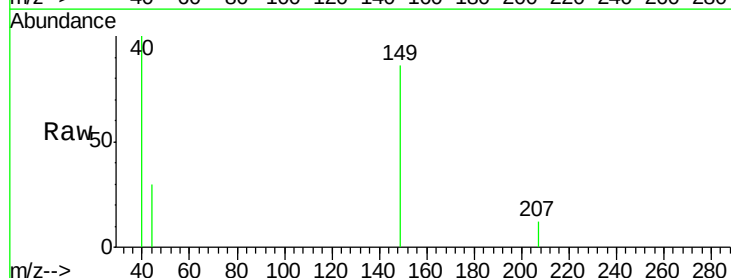
RT: 18.47 min Scan# 2661

Delta R.T. -0.00 min

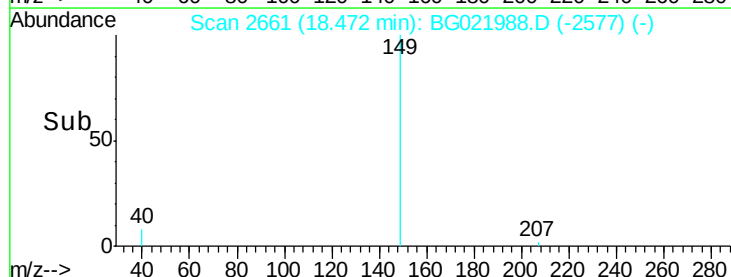
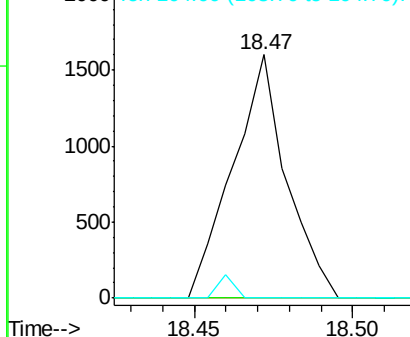
Lab File: BG021988.D

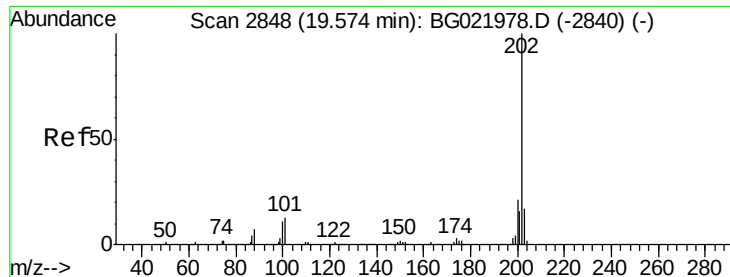
Acq: 21 May 2016 22:37

Tgt Ion:	149	Resp:	1884
Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.1	10.7#
104	0.0	3.3	4.9#



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





#75

Fluoranthene

Concen: 0.05 ng/ul

RT: 19.90 min Scan# 2904

Delta R.T. 0.33 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

Instrument :

BNA_G

ClientSampleId :

BD3G5

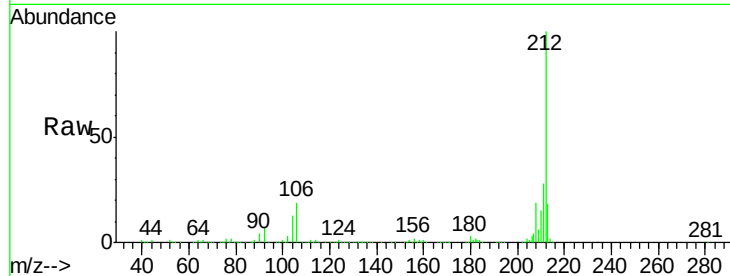
Tgt Ion:202 Resp: 612

Ion Ratio Lower Upper

202 100

101 154.2 10.6 16.0#

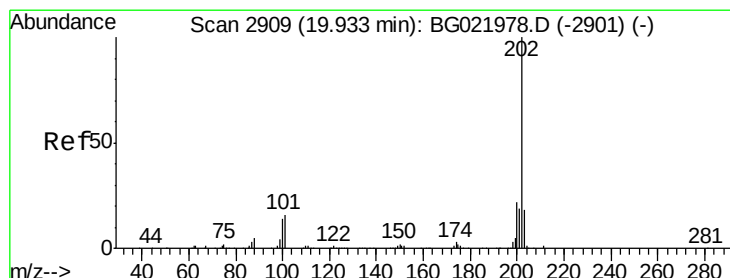
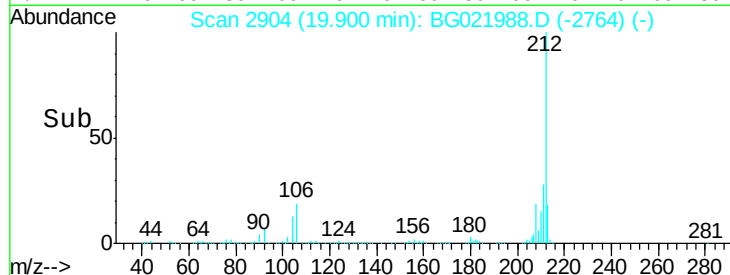
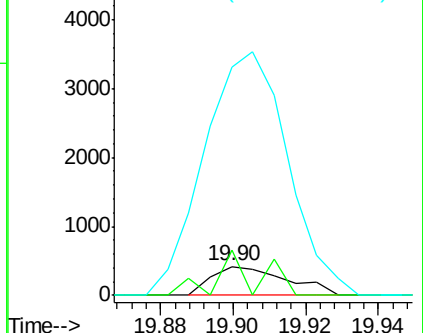
100 779.7 8.7 13.1#



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



#78

Pyrene

Concen: 0.04 ng/ul

RT: 19.90 min Scan# 2904

Delta R.T. -0.03 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

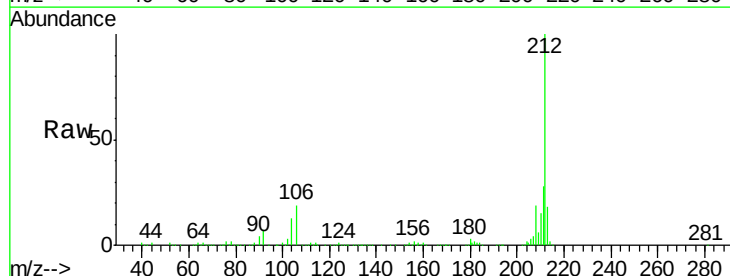
Tgt Ion:202 Resp: 612

Ion Ratio Lower Upper

202 100

101 154.2 12.5 18.7#

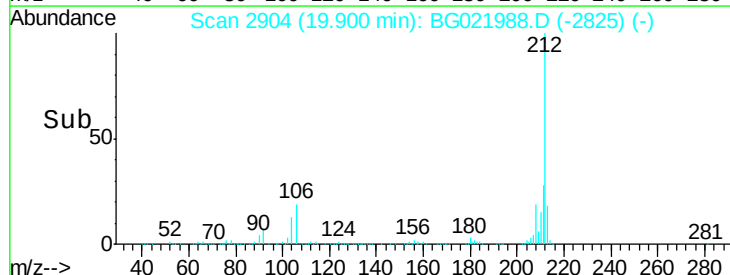
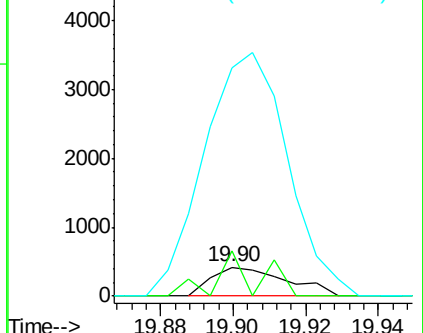
100 779.7 10.2 15.4#

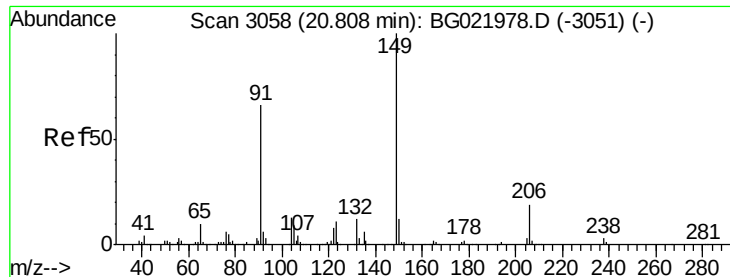


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

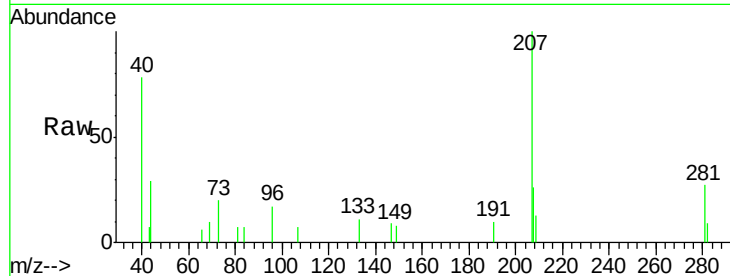




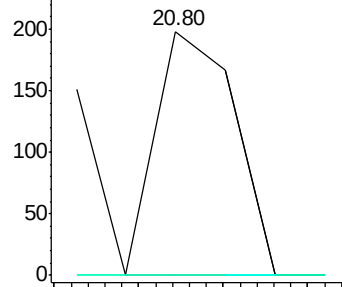
#79
Butylbenzylphthalate
Concen: 0.02 ng/ul
RT: 20.80 min Scan# 3058
Delta R.T. -0.00 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

Instrument :
BNA_G
ClientSampleId :
BD3G5

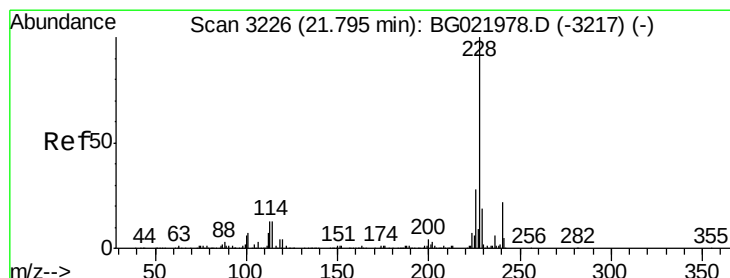
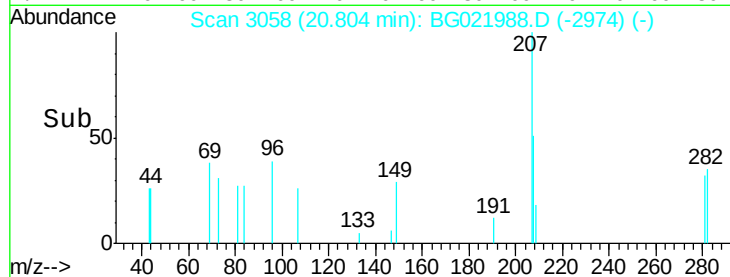
Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	54.2	81.4#
206	0.0	14.1	21.1#



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

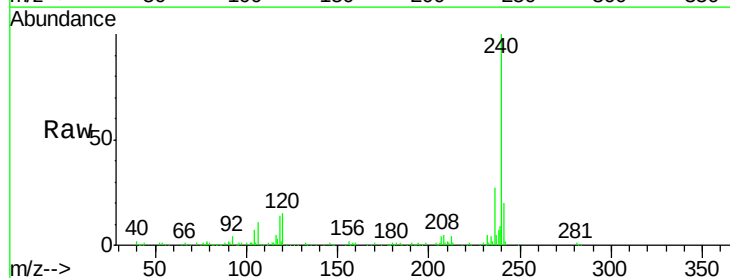


Time--> 20.79 20.80 20.81 20.82

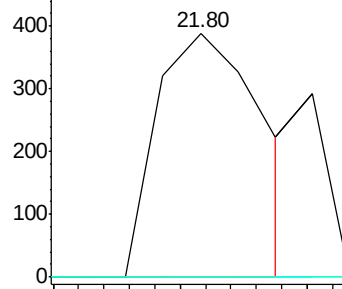


#81
Benzo(a)anthracene
Concen: 0.03 ng/ul
RT: 21.80 min Scan# 3228
Delta R.T. 0.01 min
Lab File: BG021988.D
Acq: 21 May 2016 22:37

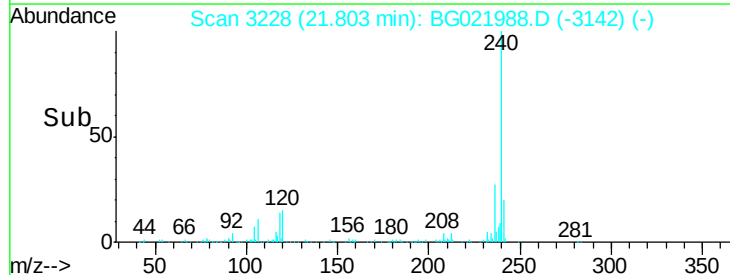
Tgt Ion	Ratio	Lower	Upper
228	100		
229	0.0	15.4	23.2#
226	0.0	22.8	34.2#

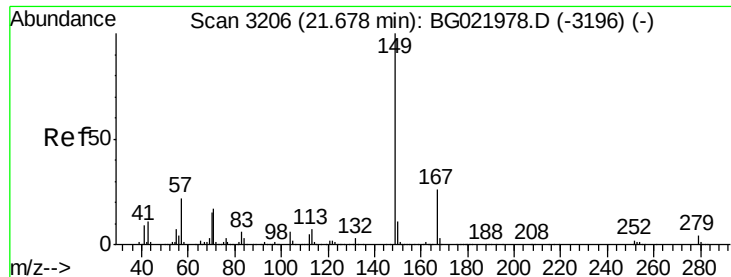


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time--> 21.78 21.80 21.82





#82

Bis(2-ethylhexyl)phthalate

Concen: 0.08 ng/ul

RT: 21.67 min Scan# 3206

Delta R.T. -0.00 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

Instrument :

BNA_G

ClientSampleId :

BD3G5

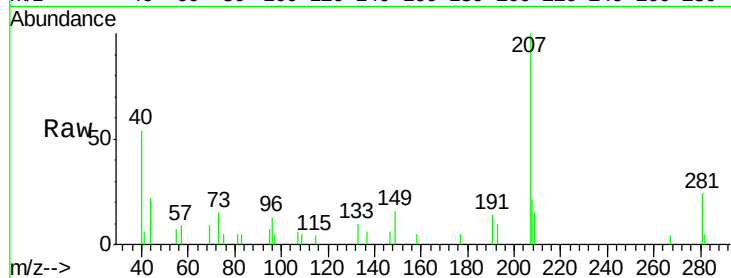
Tgt Ion:149 Resp: 853

Ion Ratio Lower Upper

149 100

167 0.0 21.9 32.9#

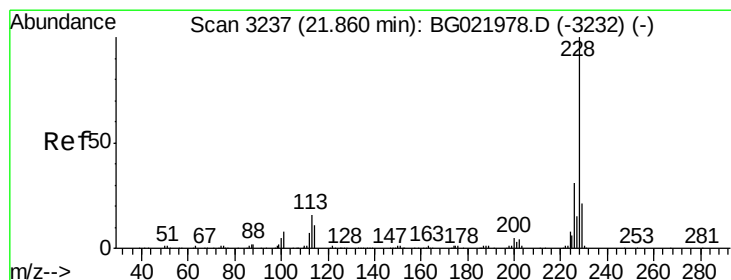
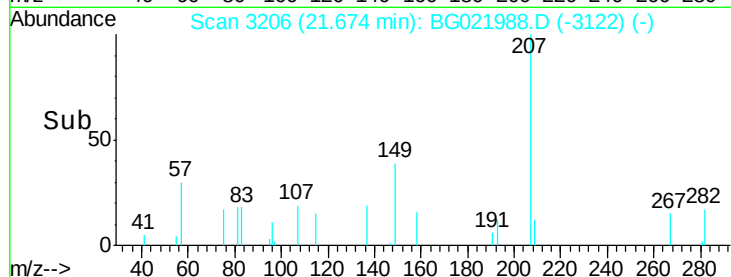
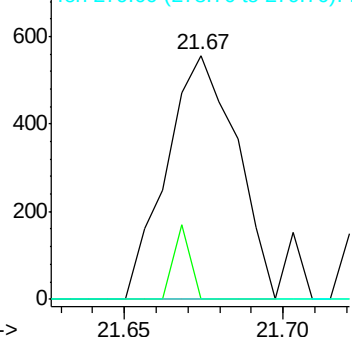
279 0.0 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#83

Chrysene

Concen: 0.03 ng/ul

RT: 21.80 min Scan# 3228

Delta R.T. -0.06 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

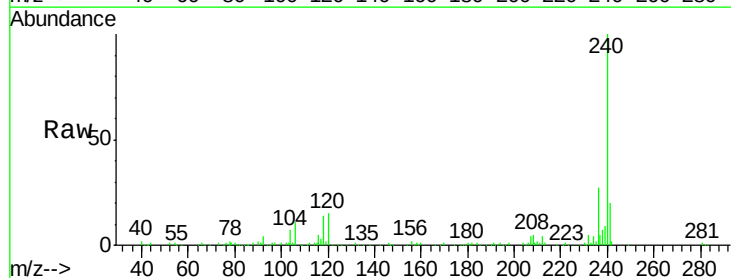
Tgt Ion:228 Resp: 443

Ion Ratio Lower Upper

228 100

226 0.0 24.2 36.4#

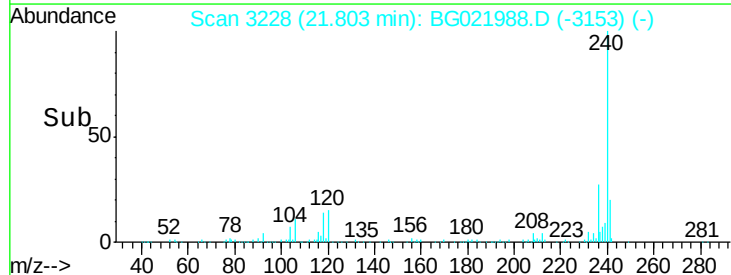
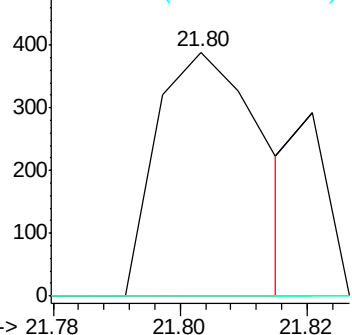
229 0.0 15.0 22.6#

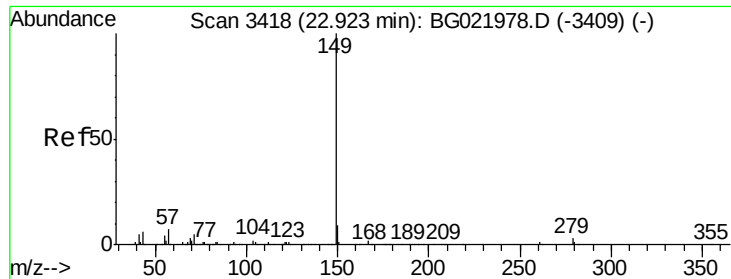


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Di-n-octyl phthalate

Concen: 0.01 ng/ul

RT: 22.93 min Scan# 3419

Delta R.T. 0.00 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

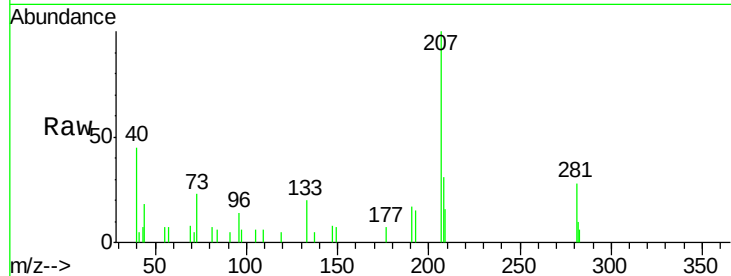
Instrument :

BNA_G

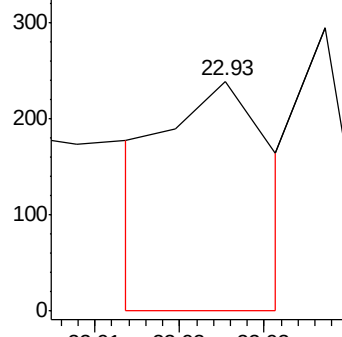
ClientSampleId :

BD3G5

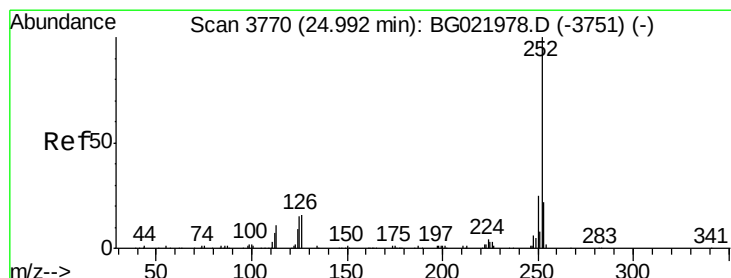
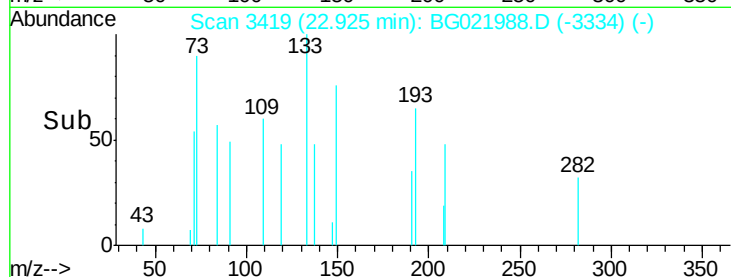
Tgt Ion:149 Resp: 209



Abundance Ion 149.00 (148.70 to 149.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 24.92 min Scan# 3758

Delta R.T. -0.07 min

Lab File: BG021988.D

Acq: 21 May 2016 22:37

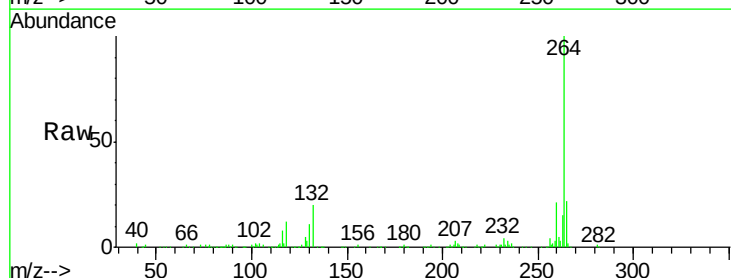
Tgt Ion:252 Resp: 670

Ion Ratio Lower Upper

252 100

253 0.0 19.0 28.4#

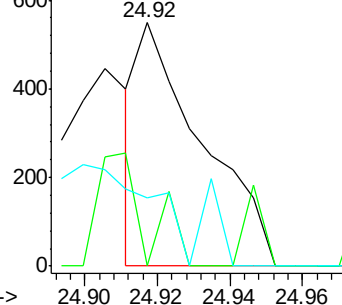
125 28.2 12.0 18.0#



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



Time-->

