

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021990.D
 Acq On : 21 May 2016 23:57
 Operator : UM/SJ
 Sample : H3146-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BD3G8

Quant Time: May 22 06:45:10 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	39862	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	205604	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	116296	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	237450	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	216196	20.00	ng/ul	0.00
84) Perylene-d12	25.14	264	200971	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1527	2.00	ng/uL	0.00
5) Phenol-d5	7.31	99	30044	8.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	59164	31.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	84220	27.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	56219	18.41	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	50663	33.41	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	55717	33.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	86623	29.26	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	2538	0.80	ng/ul	0.02
44) Dimethylphthalate-d6	14.18	166	313186	35.85	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	423953	34.76	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	3460	2.30	ng/ul	0.02
58) Fluorene-d10	15.77	176	278906	34.10	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	34651	27.92	ng/ul	0.00
71) Anthracene-d10	17.63	188	400952	35.08	ng/ul	0.00
77) Pyrene-d10	19.90	212	415528	34.08	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.91	264	324246	34.77	ng/ul	-0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.56	88	78	0.06 ng/uL#	30
4) Benzaldehyde	7.69	77	1339	0.67 ng/ul#	57
8) Bis(2-Chloroethyl)ether	7.56	93	135	0.05 ng/ul#	23
12) 2,2'-oxybis(1-Chloropropan	8.86	45	184	0.06 ng/ul#	64
15) N-Nitroso-di-n-propylamine	8.86	70	857	0.39 ng/ul#	1
20) Nitrobenzene	9.32	77	135	0.04 ng/ul#	36
21) Isophorone	9.90	82	176	0.03 ng/ul#	64
28) Naphthalene	10.60	128	182	0.02 ng/ul#	1
43) 2-Nitroaniline	14.17	65	865	0.54 ng/ul#	1
45) Dimethylphthalate	14.19	163	128	0.01 ng/ul#	1
46) 2,6-Dinitrotoluene	14.20	165	252	0.13 ng/ul#	34
49) 3-Nitroaniline	14.23	138	306	0.18 ng/ul#	6
55) 2,4-Dinitrotoluene	14.78	165	15255	6.01 ng/ul#	50
57) Diethylphthalate	15.58	149	393	0.04 ng/ul#	59
59) Fluorene	15.77	166	746	0.08 ng/ul#	8
65) N-Nitrosodiphenylamine	15.78	169	2266	0.30 ng/ul#	42
74) Di-n-butylphthalate	18.46	149	1295	0.08 ng/ul#	79
75) Fluoranthene	19.90	202	614	0.05 ng/ul#	1
78) Pyrene	19.90	202	614	0.04 ng/ul#	1
79) Butylbenzylphthalate	20.81	149	198	0.03 ng/ul#	25
81) Benzo(a)anthracene	21.81	228	304	0.02 ng/ul#	51
82) Bis(2-ethylhexyl)phthalate	21.67	149	1018	0.10 ng/ul#	94
83) Chrysene	21.82	228	220	0.02 ng/ul#	50

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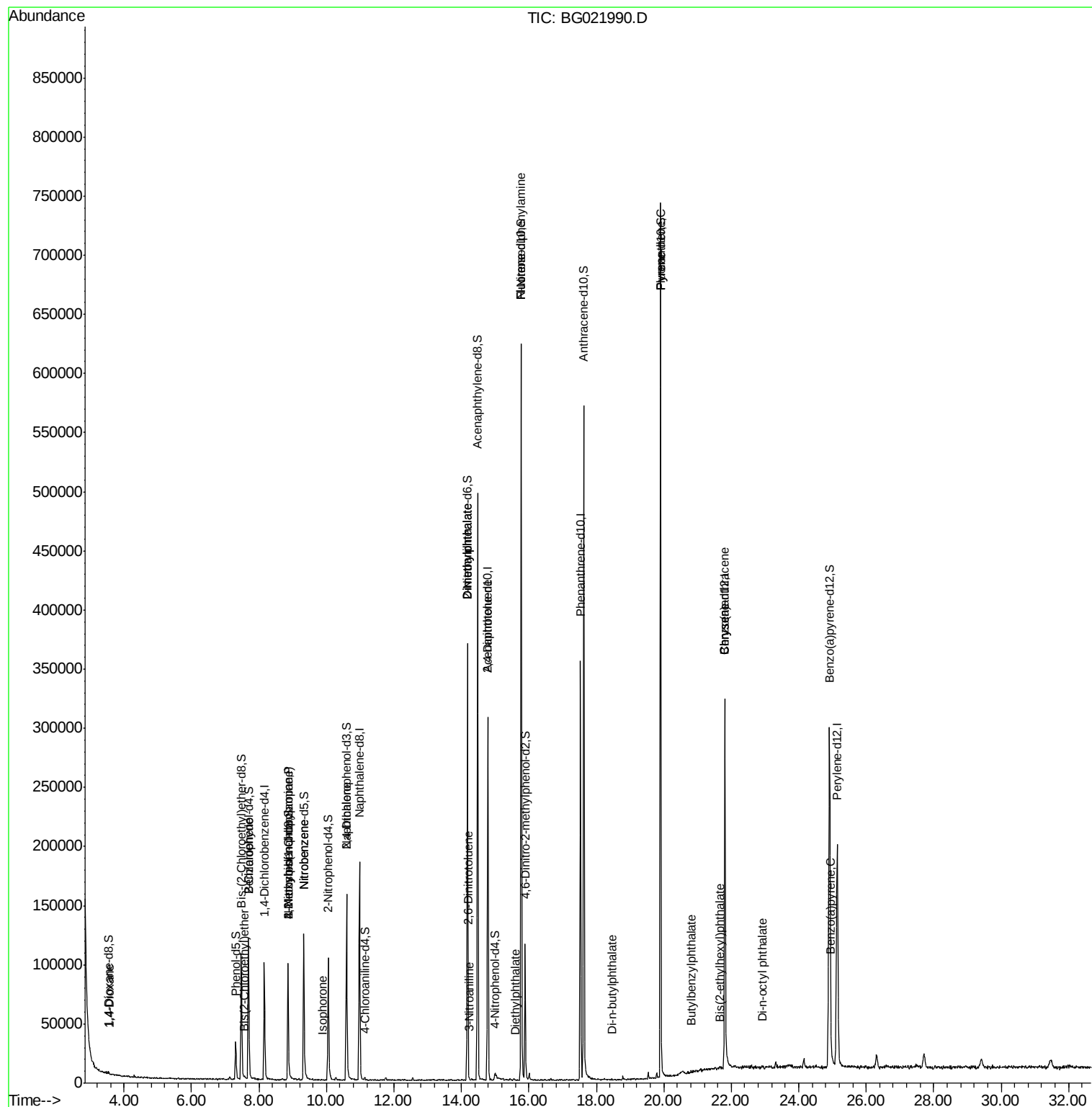
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	22.93	149	381	0.02	ng/ul	100
89) Benzo(a)pyrene	24.96	252	129	0.01	ng/ul#	56

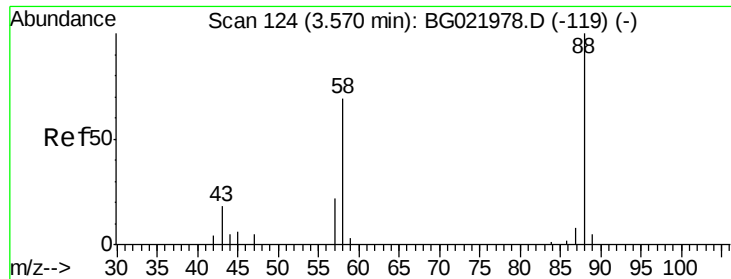
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.06 ng/uL

RT: 3.56 min Scan# 123

Delta R.T. -0.01 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8

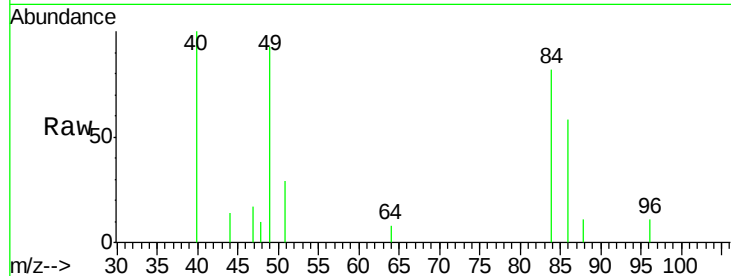
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 16.6 24.8#

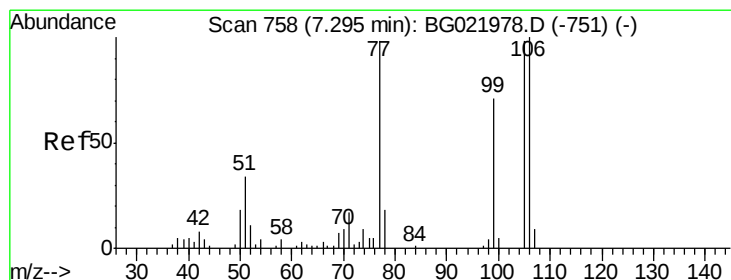
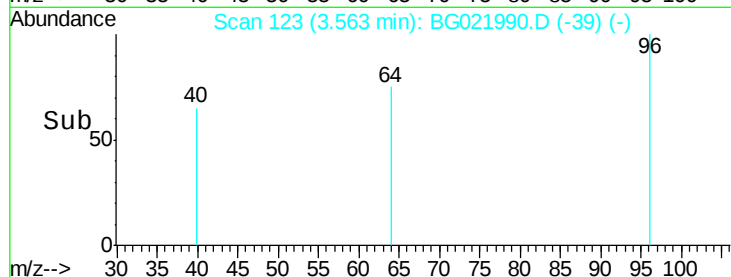
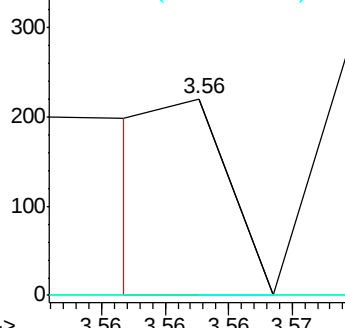
58 0.0 47.2 70.8#



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: 0.67 ng/uL

RT: 7.69 min Scan# 825

Delta R.T. 0.39 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

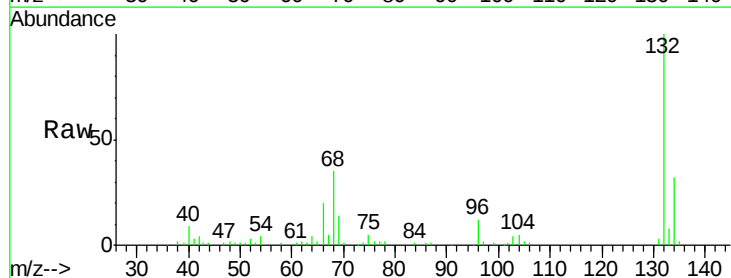
Tgt Ion: 77 Resp: 1339

Ion Ratio Lower Upper

77 100

105 67.0 83.8 125.8#

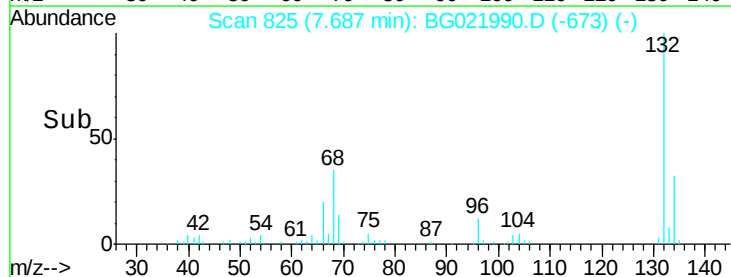
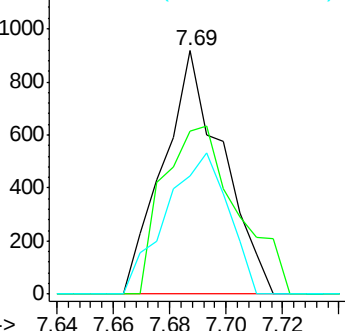
106 48.6 77.9 116.9#

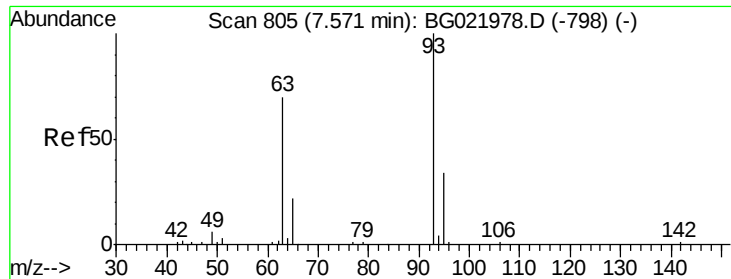


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#8

Bis(2-Chloroethyl)ether

Concen: 0.05 ng/ul

RT: 7.56 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8

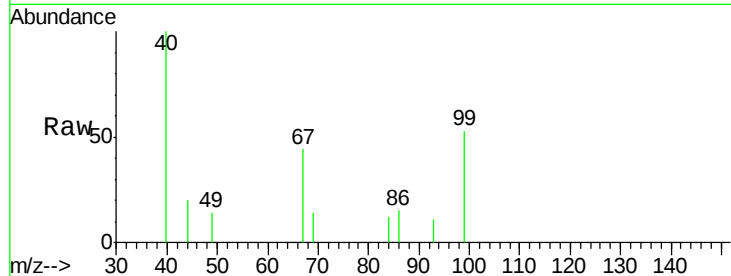
Tgt Ion: 93 Resp: 135

Ion Ratio Lower Upper

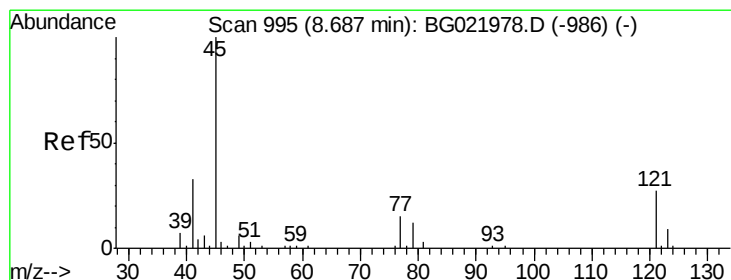
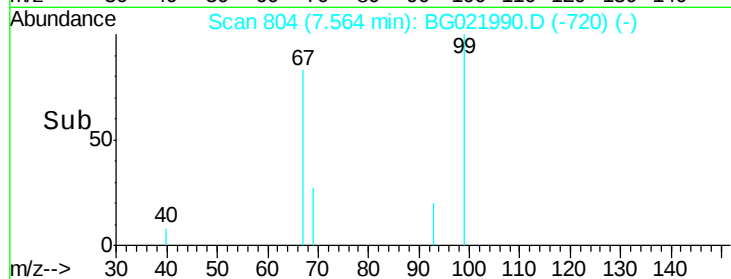
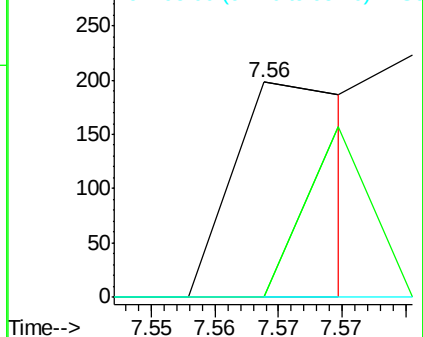
93 100

63 0.0 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: 0.06 ng/ul

RT: 8.86 min Scan# 1024

Delta R.T. 0.17 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

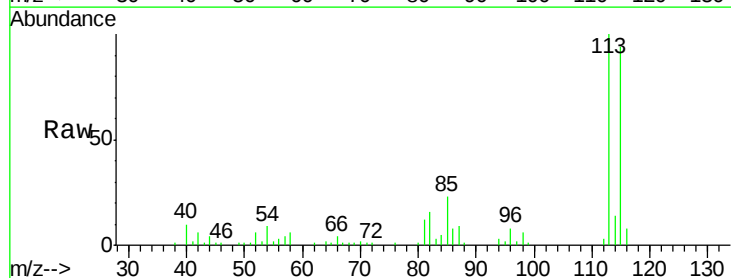
Tgt Ion: 45 Resp: 184

Ion Ratio Lower Upper

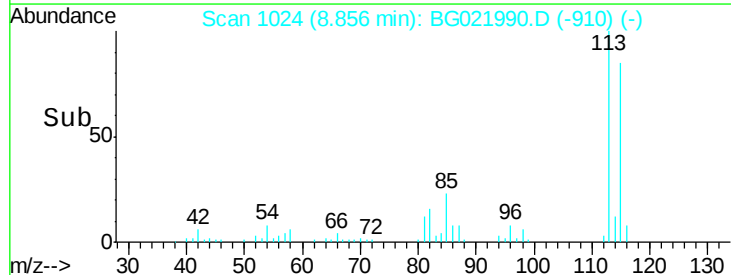
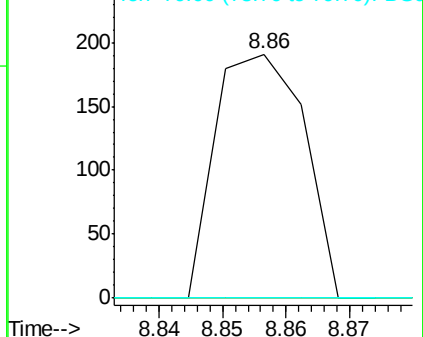
45 100

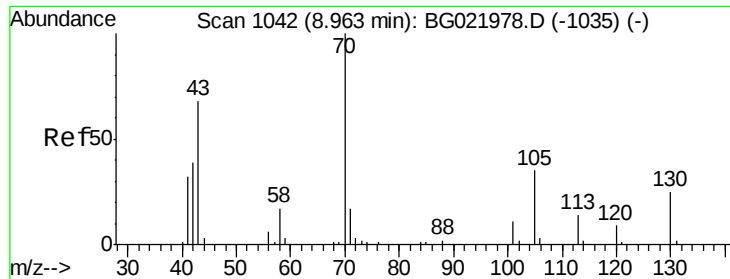
77 0.0 13.4 20.2#

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

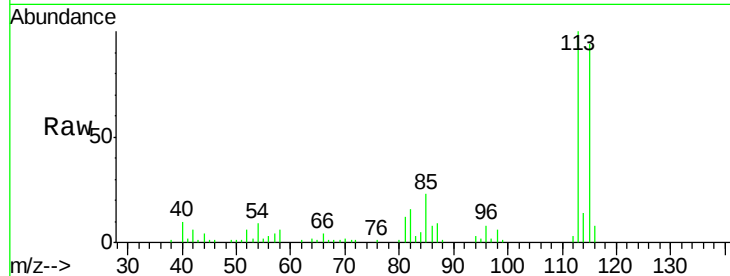




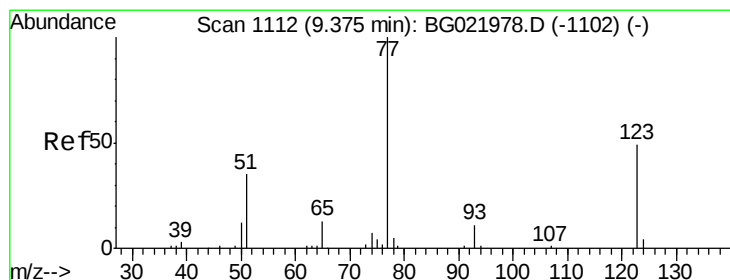
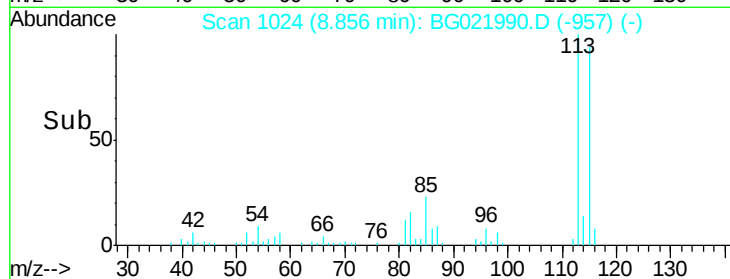
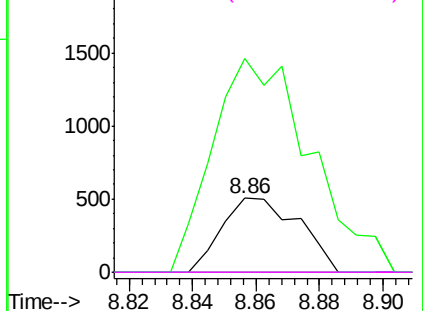
#15
N-Nitroso-di-n-propylamine
Concen: 0.39 ng/ul
RT: 8.86 min Scan# 1024
Delta R.T. -0.11 min
Lab File: BG021990.D
Acq: 21 May 2016 23:57

Instrument :
BNA_G
ClientSampleId :
BD3G8

Tgt Ion: 70 Resp: 857
Ion Ratio Lower Upper
70 100
42 288.7 31.4 47.2#
101 0.0 8.6 13.0#
130 0.0 19.0 28.4#

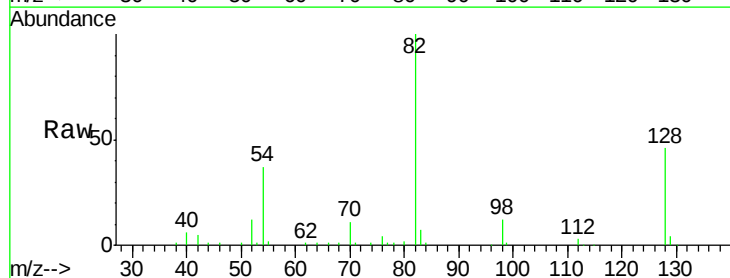


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

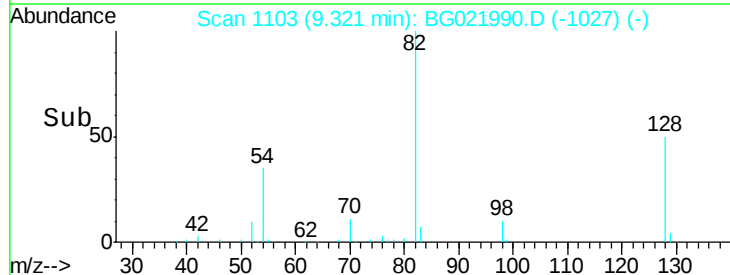
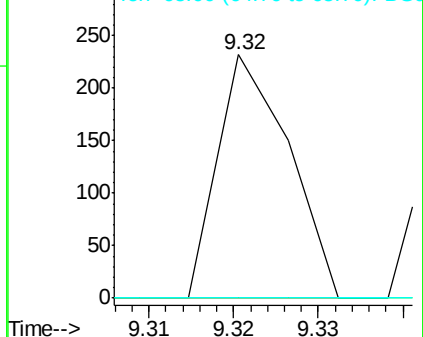


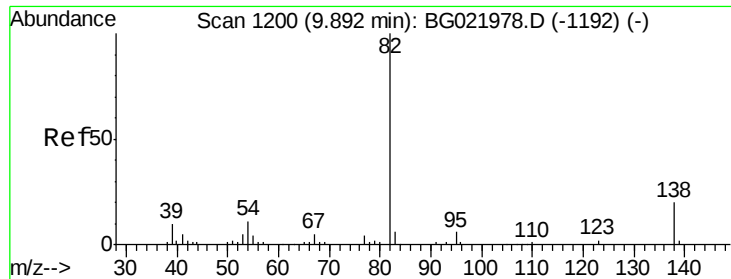
#20
Nitrobenzene
Concen: 0.04 ng/ul
RT: 9.32 min Scan# 1103
Delta R.T. -0.05 min
Lab File: BG021990.D
Acq: 21 May 2016 23:57

Tgt Ion: 77 Resp: 135
Ion Ratio Lower Upper
77 100
123 0.0 39.5 59.3#
65 0.0 9.0 13.4#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#21

Isophorone

Concen: 0.03 ng/ul

RT: 9.90 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampled :

BD3G8

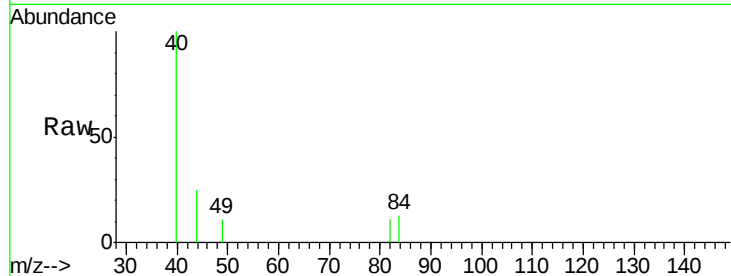
Tgt Ion: 82 Resp: 176

Ion Ratio Lower Upper

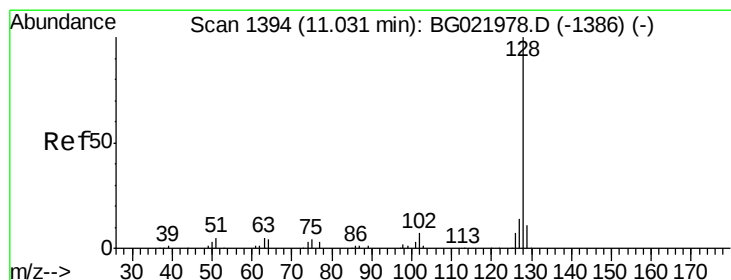
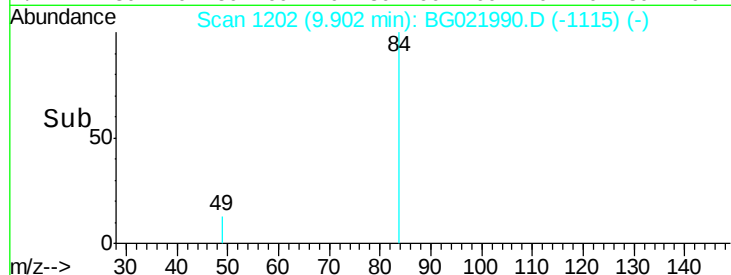
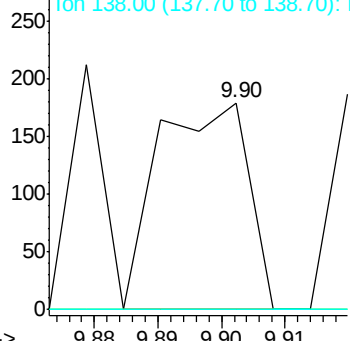
82 100

95 0.0 5.1 7.7#

138 0.0 15.0 22.6#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#28

Naphthalene

Concen: 0.02 ng/ul

RT: 10.60 min Scan# 1321

Delta R.T. -0.43 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

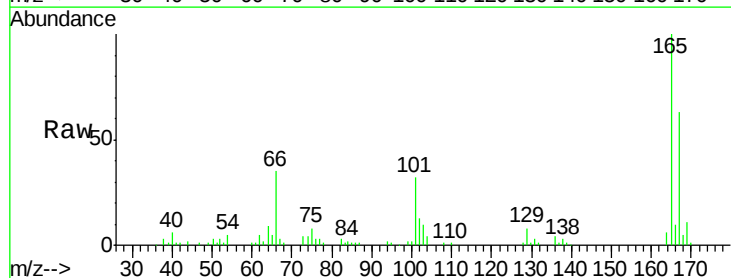
Tgt Ion: 128 Resp: 182

Ion Ratio Lower Upper

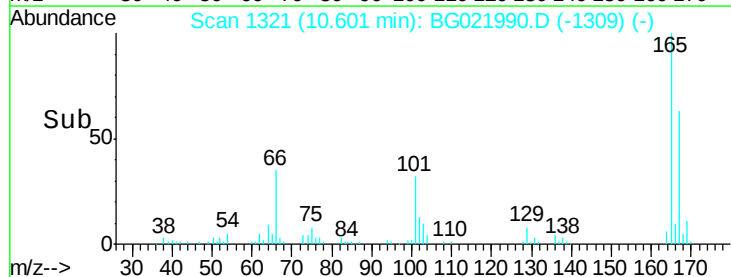
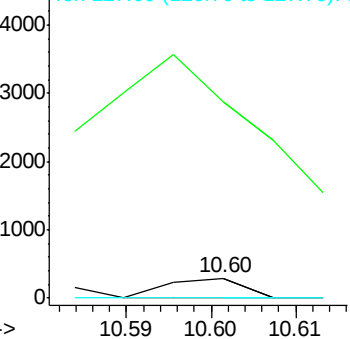
128 100

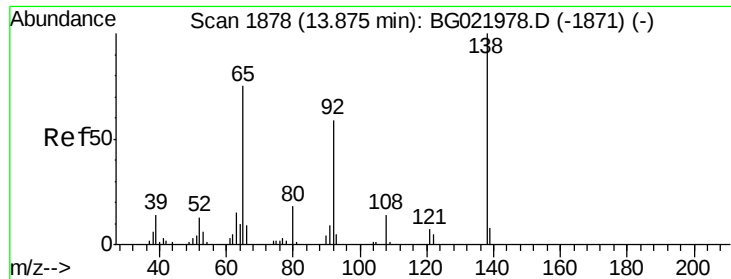
129 997.6 9.4 14.2#

127 0.0 11.2 16.8#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC





#43

2-Nitroaniline

Concen: 0.54 ng/ul

RT: 14.17 min Scan# 1929

Delta R.T. 0.30 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

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ClientSampleId :

BD3G8

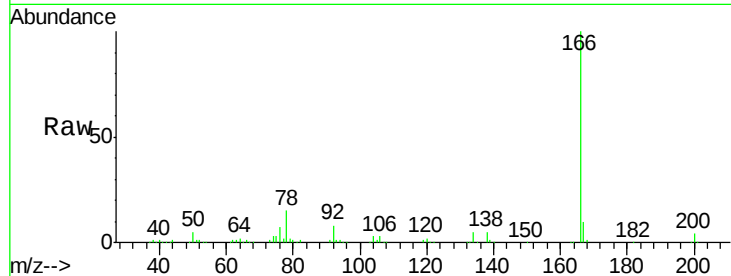
Tgt Ion: 65 Resp: 865

Ion Ratio Lower Upper

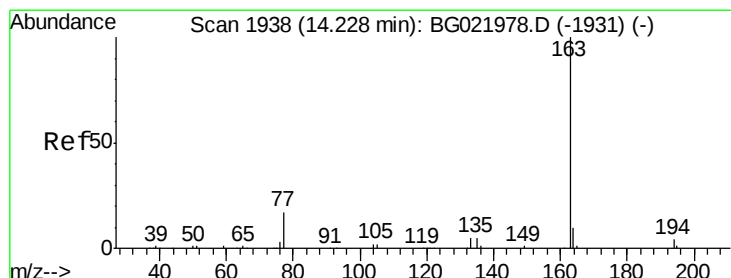
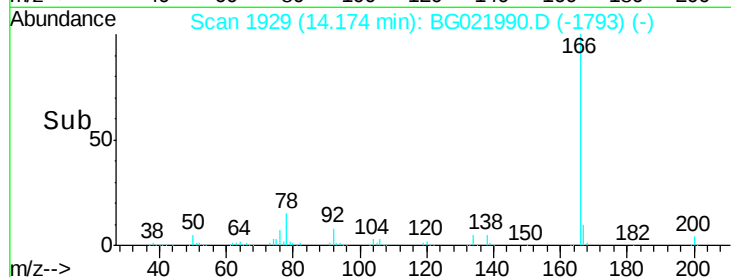
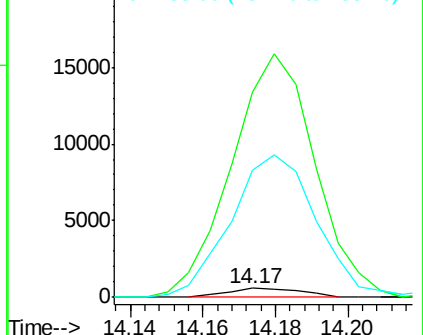
65 100

92 2224.6 67.1 100.7#

138 1377.0 109.6 164.4#



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: 0.01 ng/ul

RT: 14.19 min Scan# 1931

Delta R.T. -0.04 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

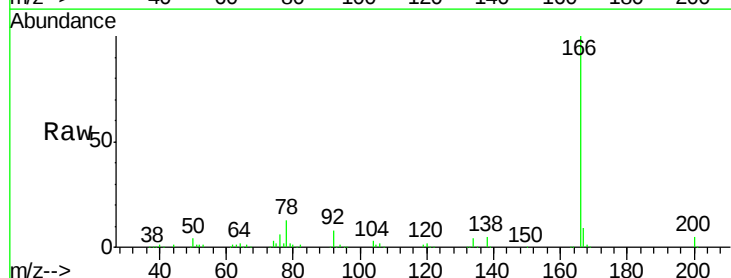
Tgt Ion: 163 Resp: 128

Ion Ratio Lower Upper

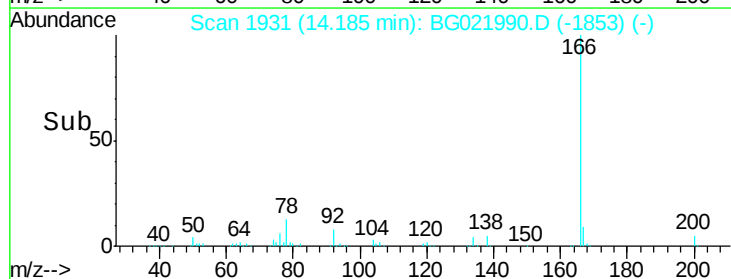
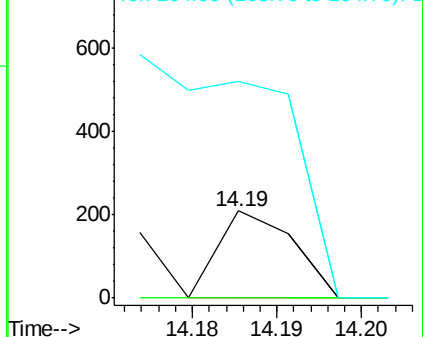
163 100

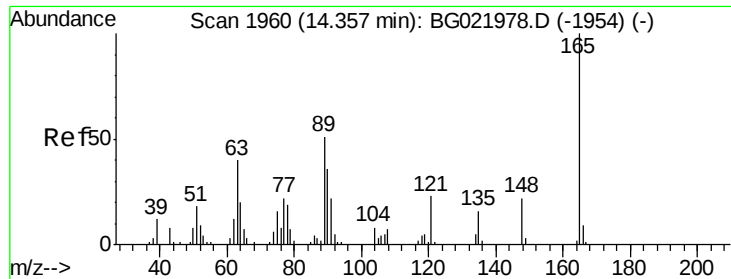
194 0.0 3.4 5.2#

164 248.8 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

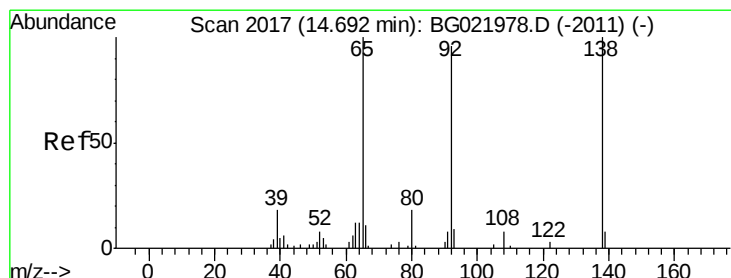
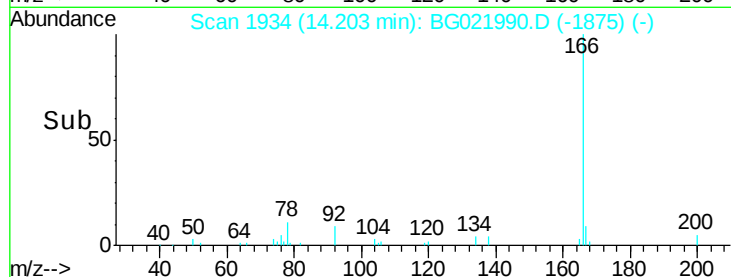
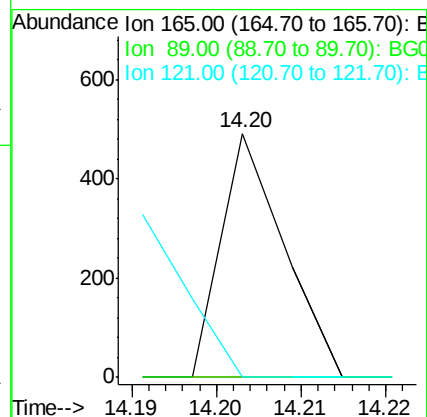
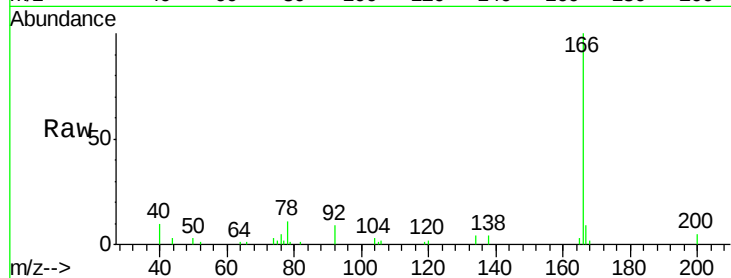




#46
 2,6-Dinitrotoluene
 Concen: 0.13 ng/ul
 RT: 14.20 min Scan# 1934
 Delta R.T. -0.15 min
 Lab File: BG021990.D
 Acq: 21 May 2016 23:57

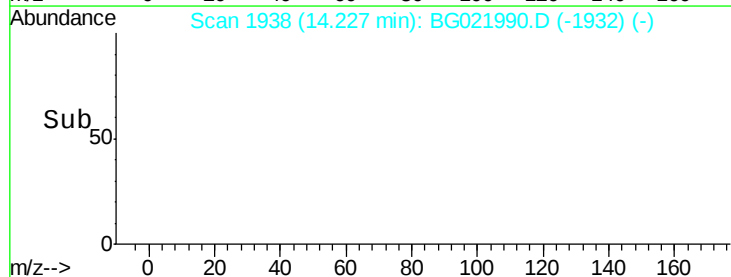
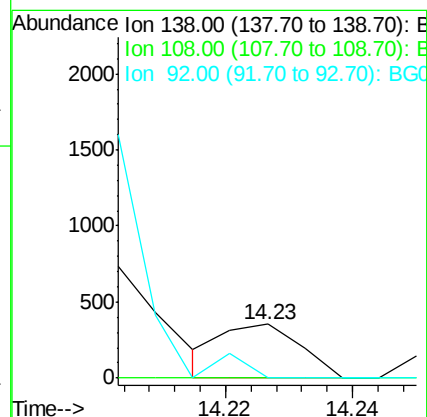
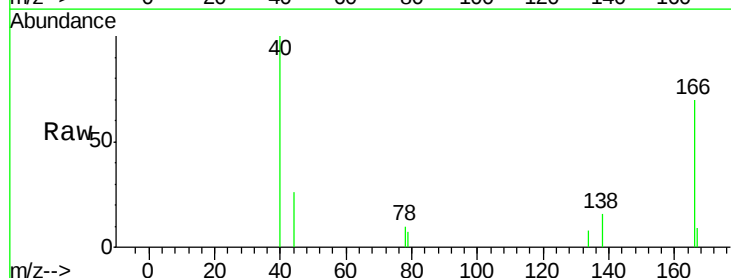
Instrument :
 BNA_G
 ClientSampleId :
 BD3G8

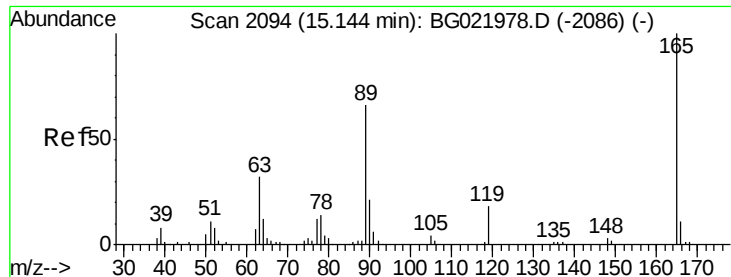
Tgt Ion:165 Resp: 252
 Ion Ratio Lower Upper
 165 100
 89 0.0 41.5 62.3#
 121 0.0 17.0 25.4#



#49
 3-Nitroaniline
 Concen: 0.18 ng/ul
 RT: 14.23 min Scan# 1938
 Delta R.T. -0.47 min
 Lab File: BG021990.D
 Acq: 21 May 2016 23:57

Tgt Ion:138 Resp: 306
 Ion Ratio Lower Upper
 138 100
 108 0.0 6.2 9.2#
 92 0.0 79.3 118.9#

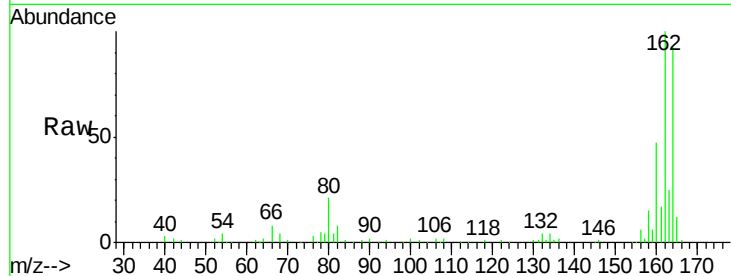




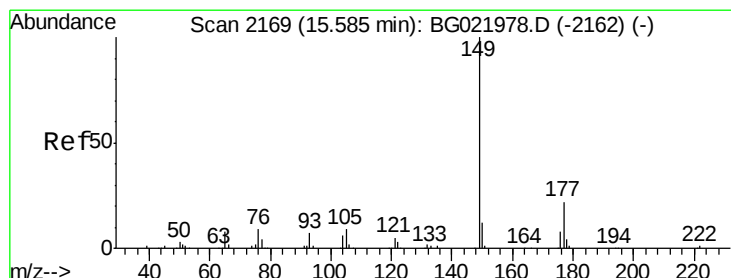
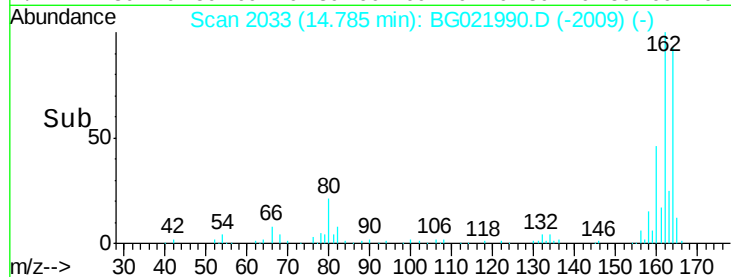
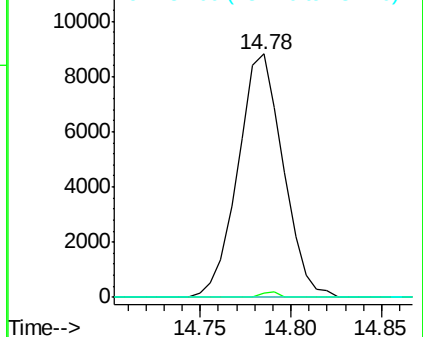
#55
2,4-Dinitrotoluene
Concen: 6.01 ng/ul
RT: 14.78 min Scan# 2033
Delta R.T. -0.36 min
Lab File: BG021990.D
Acq: 21 May 2016 23:57

Instrument :
BNA_G
ClientSampleId :
BD3G8

Tgt Ion:165 Resp: 15255
Ion Ratio Lower Upper
165 100
63 2.0 25.7 38.5#
182 0.0 2.1 3.1#

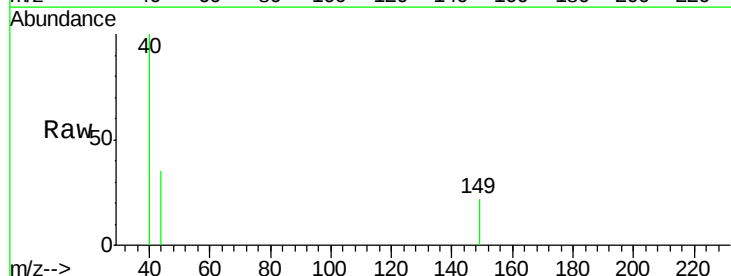


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 182.00 (181.70 to 182.70): E

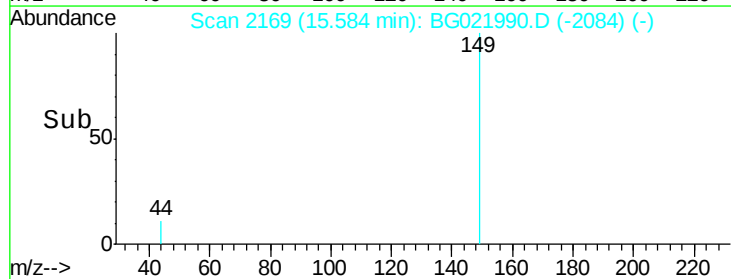
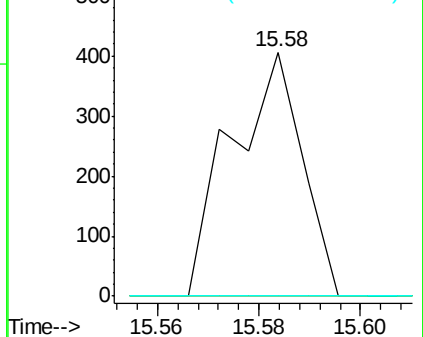


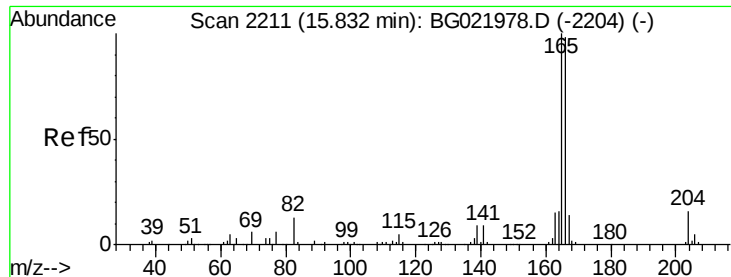
#57
Diethylphthalate
Concen: 0.04 ng/ul
RT: 15.58 min Scan# 2169
Delta R.T. -0.00 min
Lab File: BG021990.D
Acq: 21 May 2016 23:57

Tgt Ion:149 Resp: 393
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

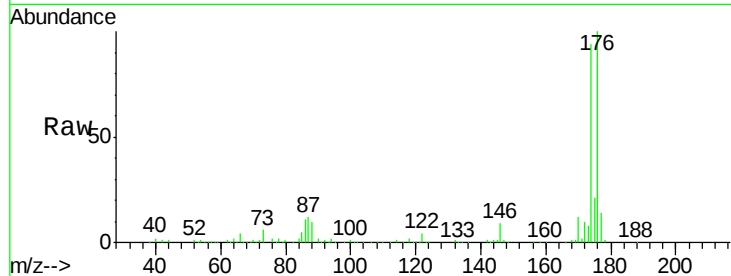




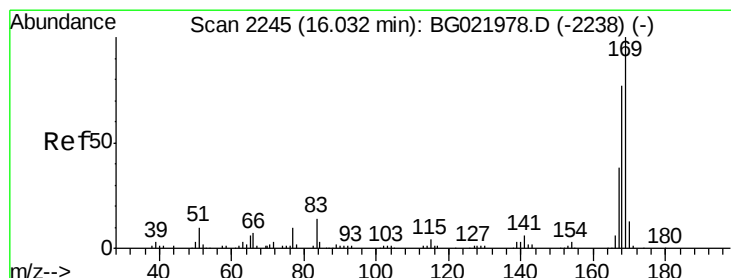
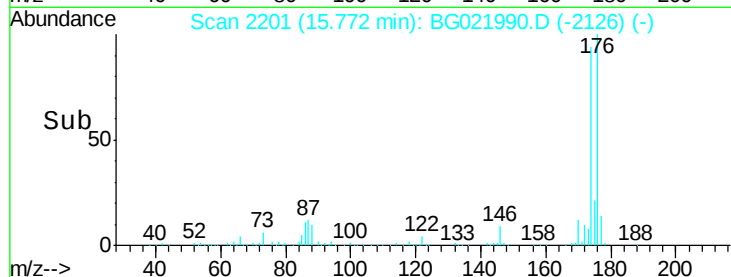
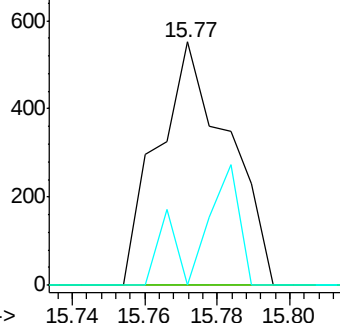
#59
 Fluorene
 Concen: 0.08 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. -0.06 min
 Lab File: BG021990.D
 Acq: 21 May 2016 23:57

Instrument :
 BNA_G
 ClientSampleId :
 BD3G8

Tgt Ion:166 Resp: 746
 Ion Ratio Lower Upper
 166 100
 165 0.0 80.3 120.5#
 167 0.0 10.3 15.5#

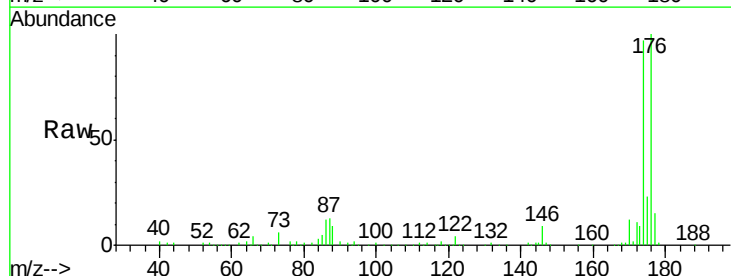


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

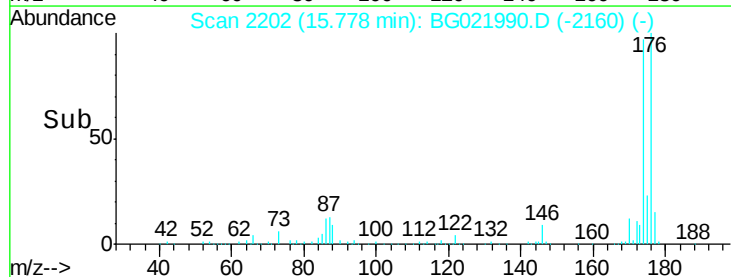
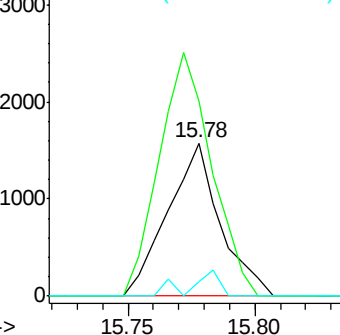


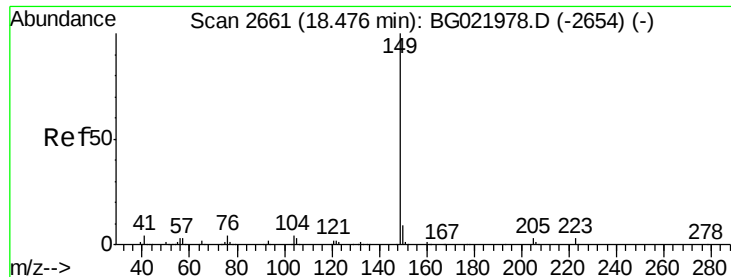
#65
 N-Nitrosodiphenylamine
 Concen: 0.30 ng/ul
 RT: 15.78 min Scan# 2202
 Delta R.T. -0.25 min
 Lab File: BG021990.D
 Acq: 21 May 2016 23:57

Tgt Ion:169 Resp: 2266
 Ion Ratio Lower Upper
 169 100
 168 127.4 59.0 88.6#
 167 9.8 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: 0.08 ng/ul

RT: 18.46 min Scan# 2659

Delta R.T. -0.01 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8

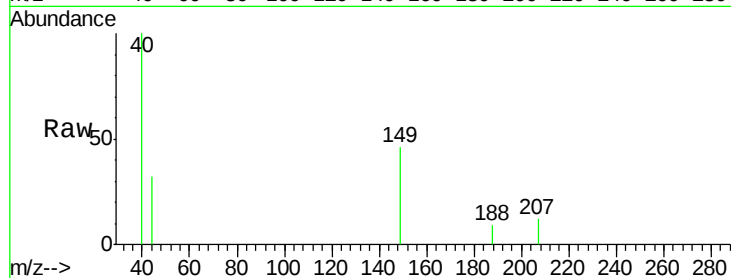
Tgt Ion:149 Resp: 1295

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

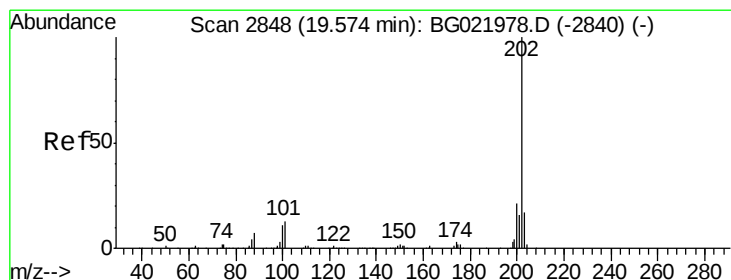
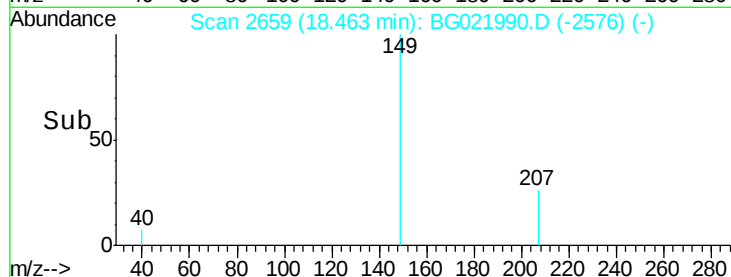
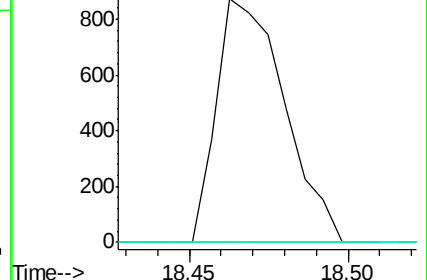
104 0.0 3.3 4.9#



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# 2903

Delta R.T. 0.32 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

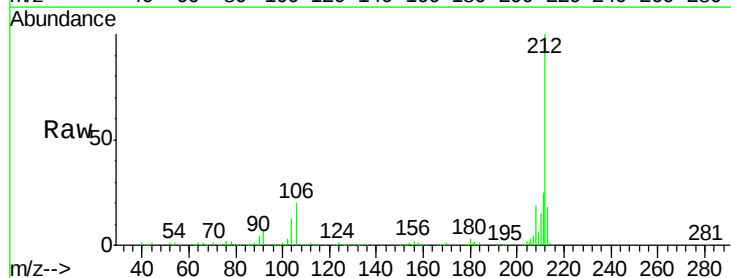
Tgt Ion:202 Resp: 614

Ion Ratio Lower Upper

202 100

101 93.4 10.6 16.0#

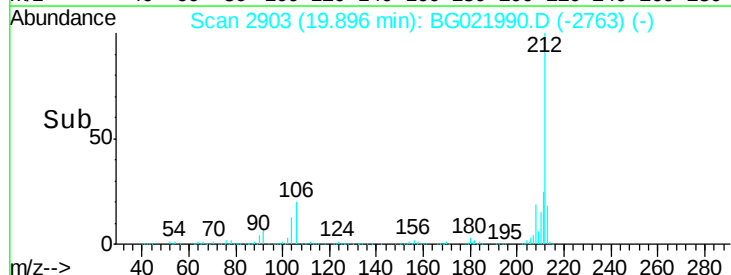
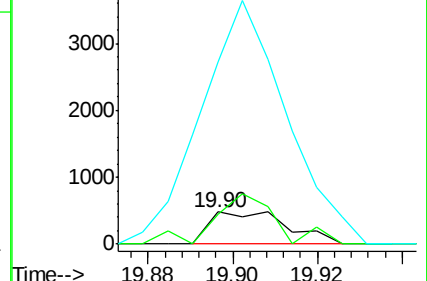
100 563.9 8.7 13.1#

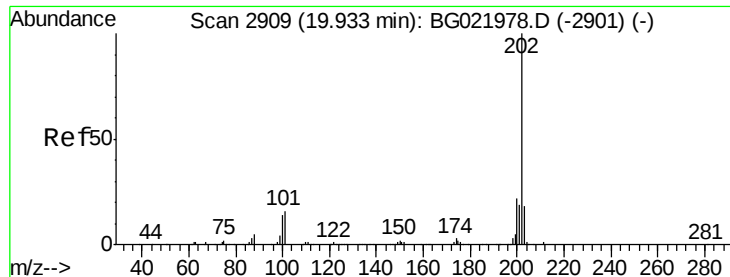


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#78

Pyrene

Concen: 0.04 ng/ul

RT: 19.90 min Scan# 2903

Delta R.T. -0.04 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8

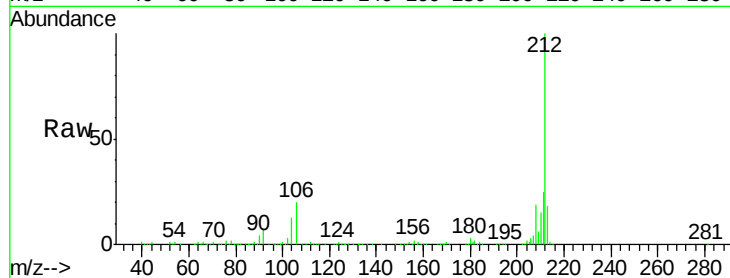
Tgt Ion:202 Resp: 614

Ion Ratio Lower Upper

202 100

101 93.4 12.5 18.7#

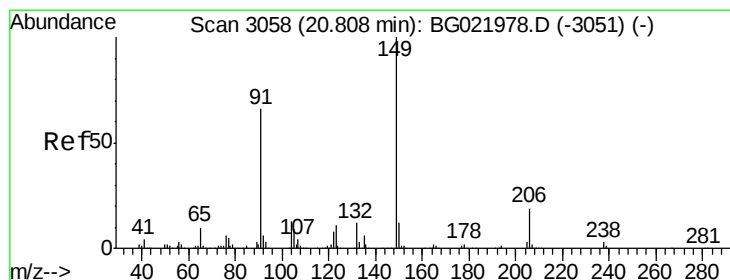
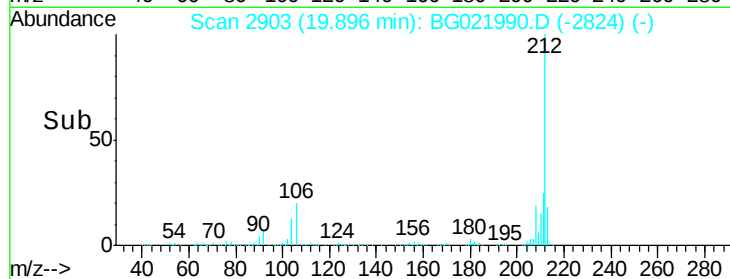
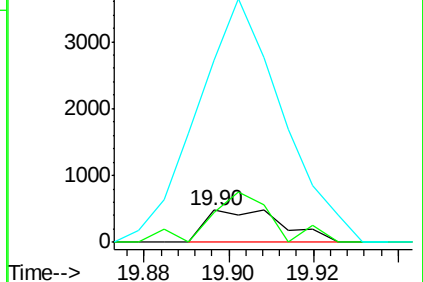
100 563.9 10.2 15.4#



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): E



#79

Butylbenzylphthalate

Concen: 0.03 ng/ul

RT: 20.81 min Scan# 3058

Delta R.T. -0.00 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

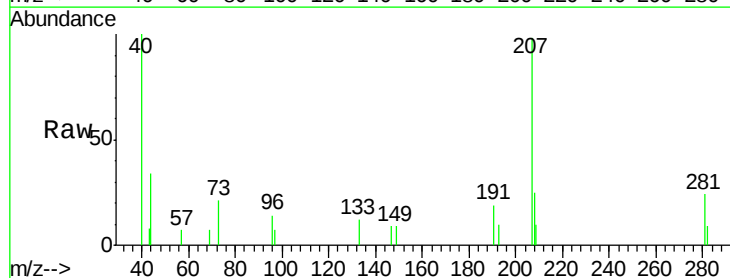
Tgt Ion:149 Resp: 198

Ion Ratio Lower Upper

149 100

91 0.0 54.2 81.4#

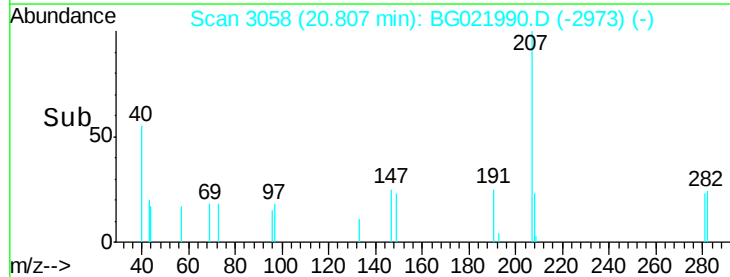
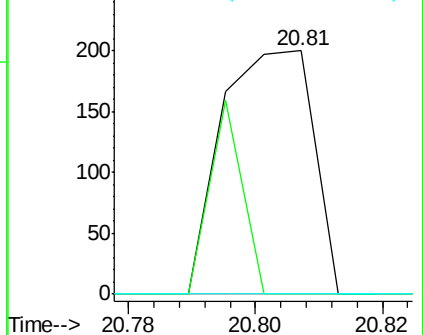
206 0.0 14.1 21.1#

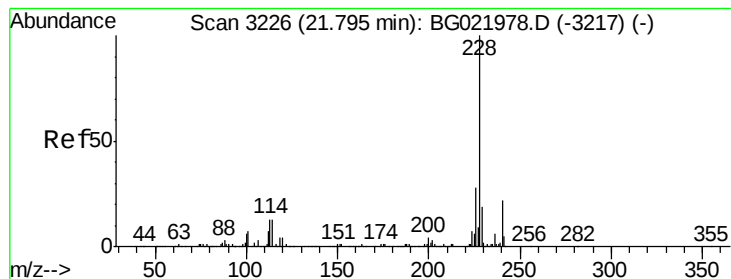


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.81 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8

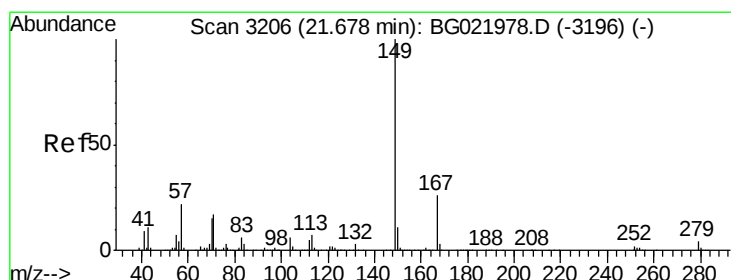
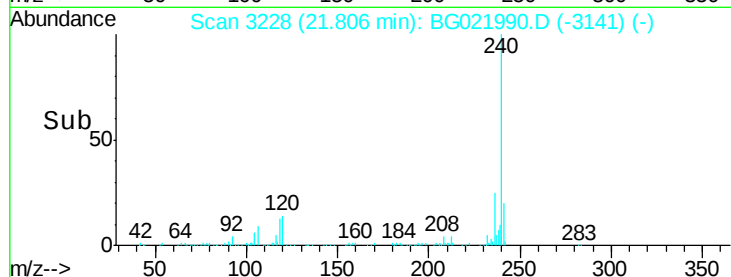
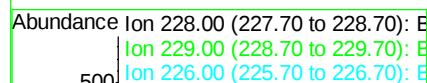
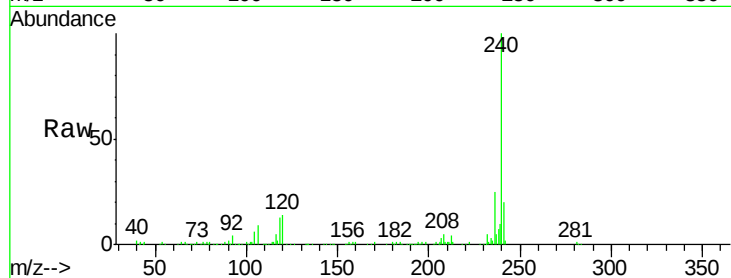
Tgt Ion:228 Resp: 304

Ion Ratio Lower Upper

228 100

229 0.0 15.4 23.2#

226 0.0 22.8 34.2#



#82

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng/ul

RT: 21.67 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

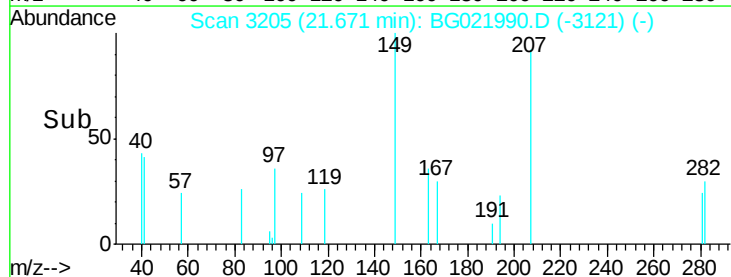
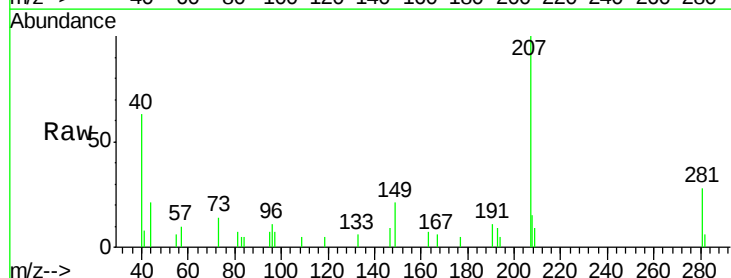
Tgt Ion:149 Resp: 1018

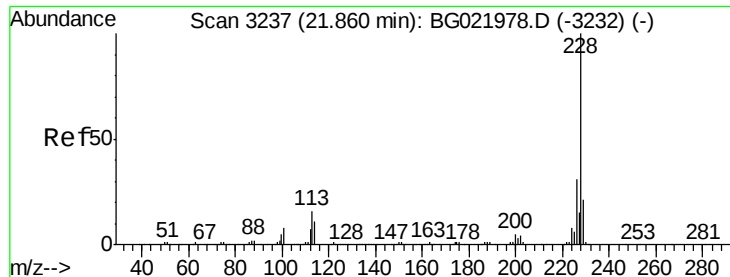
Ion Ratio Lower Upper

149 100

167 30.3 21.9 32.9

279 0.0 2.9 4.3#





#83

Chrysene

Concen: 0.02 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. -0.04 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8

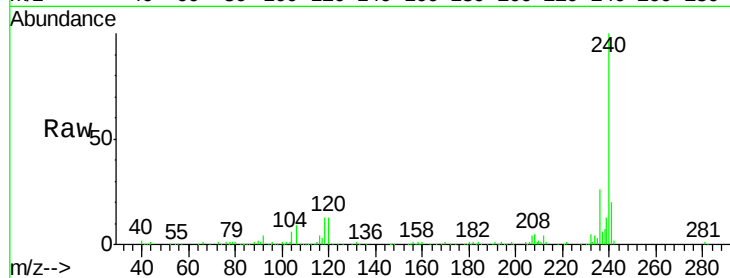
Tgt Ion:228 Resp: 220

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

21.82

400

300

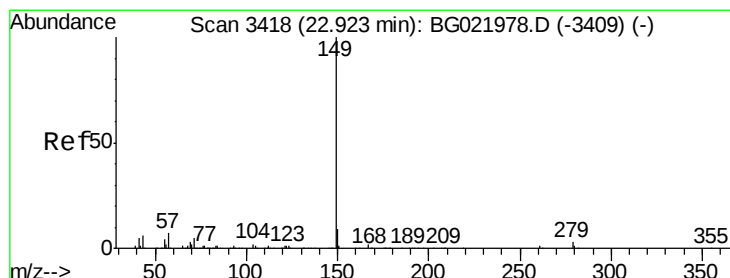
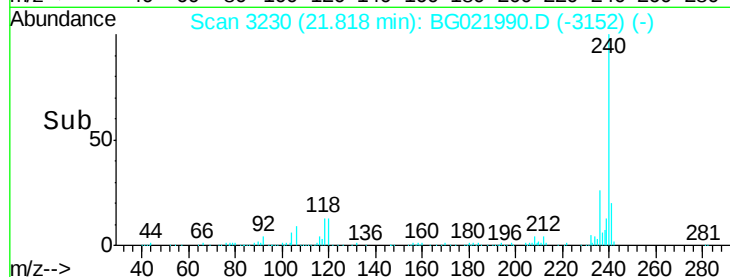
200

100

0

21.81 21.82 21.83

Time-->



#85

Di-n-octyl phthalate

Concen: 0.02 ng/ul

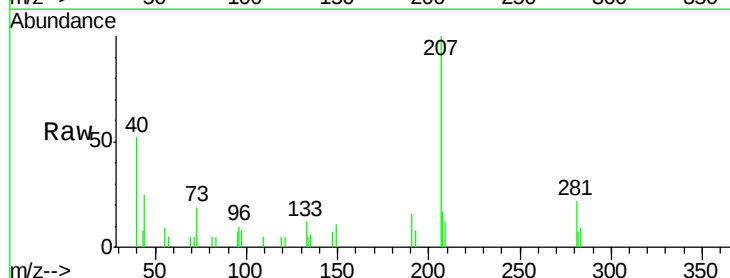
RT: 22.93 min Scan# 3419

Delta R.T. 0.00 min

Lab File: BG021990.D

Acq: 21 May 2016 23:57

Tgt Ion:149 Resp: 381



Abundance Ion 149.00 (148.70 to 149.70): E

400

300

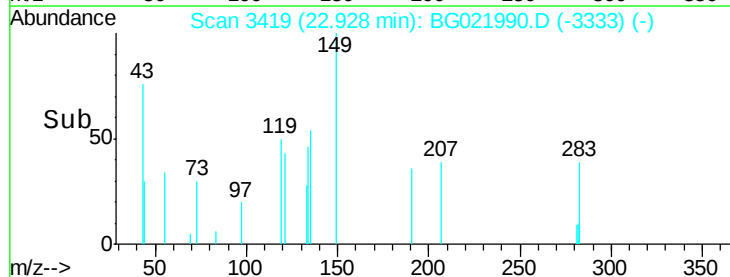
200

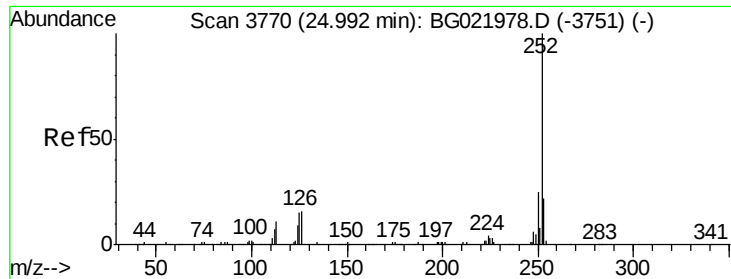
100

0

22.92 22.93 22.94

Time-->





#89

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 24.96 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG021990.D

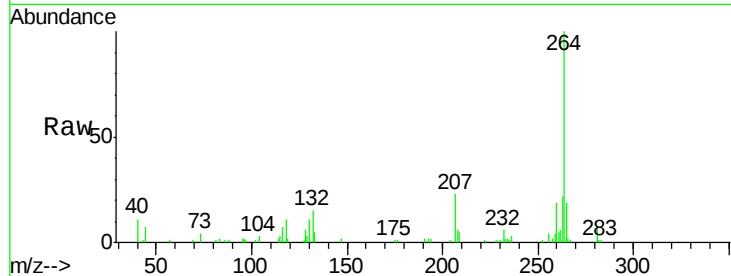
Acq: 21 May 2016 23:57

Instrument :

BNA_G

ClientSampleId :

BD3G8



Tgt Ion:	252	Resp:	129
Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.0	28.4#
125	0.0	12.0	18.0#

