

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021986.D
 Acq On : 21 May 2016 21:16
 Operator : UM/SJ
 Sample : H3146-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BD3G2

Quant Time: May 22 06:44:29 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	34450	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	183754	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	104319	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	216566	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	204505	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	186739	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1254	1.90	ng/uL	0.00
5) Phenol-d5	7.31	99	24455	7.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	52823	32.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	71924	27.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	48795	18.48	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	45191	33.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	49554	33.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	74612	28.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	2631	0.93	ng/ul	0.02
44) Dimethylphthalate-d6	14.18	166	289667	36.97	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	387613	35.42	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	2683	1.99	ng/ul	0.01
58) Fluorene-d10	15.77	176	263205	35.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	34734	30.68	ng/ul	-0.01
71) Anthracene-d10	17.62	188	387369	37.16	ng/ul	0.00
77) Pyrene-d10	19.90	212	426685	37.00	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.91	264	333791	38.52	ng/ul	-0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.57	88	422	0.35 ng/uL#	30
4) Benzaldehyde	7.69	77	1135	0.66 ng/ul#	63
8) Bis(2-Chloroethyl)ether	7.57	93	159	0.07 ng/ul#	23
15) N-Nitroso-di-n-propylamine	8.86	70	979	0.51 ng/ul#	1
21) Isophorone	9.88	82	176	0.03 ng/ul#	64
25) Bis(2-Chloroethoxy)methane	10.60	93	115	0.03 ng/ul#	49
28) Naphthalene	10.60	128	248	0.03 ng/ul#	1
43) 2-Nitroaniline	14.18	65	703	0.49 ng/ul#	1
45) Dimethylphthalate	14.18	163	119	0.02 ng/ul#	1
46) 2,6-Dinitrotoluene	14.78	165	13685	8.10 ng/ul#	36
49) 3-Nitroaniline	14.23	138	316	0.20 ng/ul#	6
55) 2,4-Dinitrotoluene	14.78	165	13685	6.01 ng/ul#	46
57) Diethylphthalate	15.59	149	269	0.03 ng/ul#	59
59) Fluorene	15.77	166	544	0.07 ng/ul#	8
65) N-Nitrosodiphenylamine	15.90	169	54	0.01 ng/ul#	21
74) Di-n-butylphthalate	18.47	149	1480	0.10 ng/ul#	79
75) Fluoranthene	19.90	202	582	0.05 ng/ul#	1
78) Pyrene	19.90	202	582	0.04 ng/ul#	1
79) Butylbenzylphthalate	20.80	149	113	0.02 ng/ul#	25
81) Benzo(a)anthracene	21.81	228	438	0.04 ng/ul#	29
82) Bis(2-ethylhexyl)phthalate	21.67	149	997	0.10 ng/ul#	52
83) Chrysene	21.81	228	438	0.04 ng/ul#	28
85) Di-n-octyl phthalate	22.92	149	227	0.01 ng/ul	100

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Quant Title : SVOA CALIBRATION
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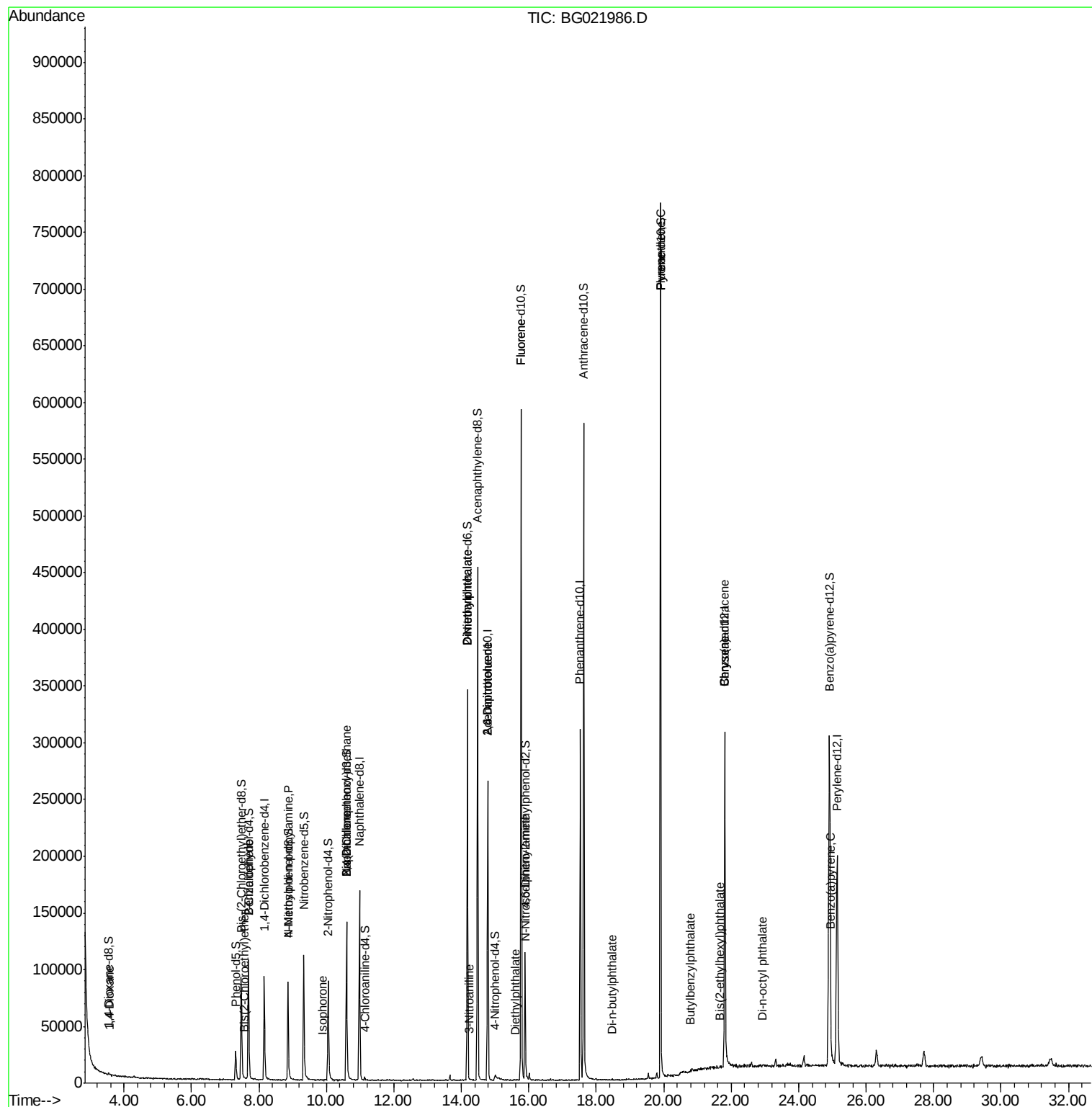
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	24.95	252	121	0.01	ng/ul#	1

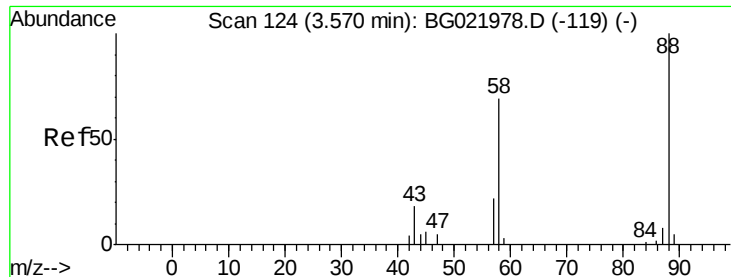
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.35 ng/uL

RT: 3.57 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

Instrument :

BNA_G

ClientSampleId :

BD3G2

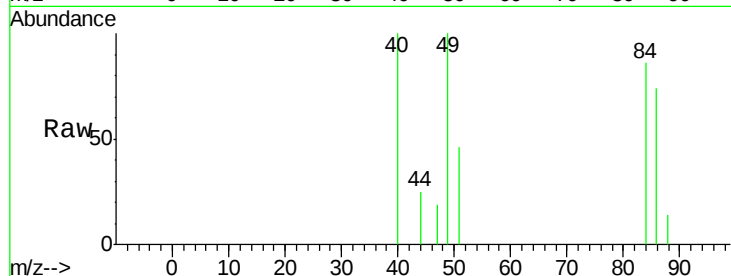
Tgt Ion: 88 Resp: 422

Ion Ratio Lower Upper

88 100

43 0.0 16.6 24.8#

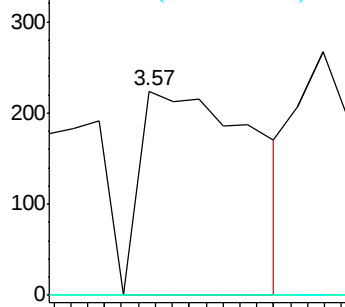
58 0.0 47.2 70.8#



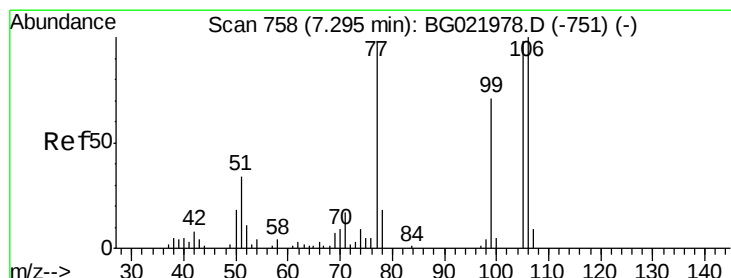
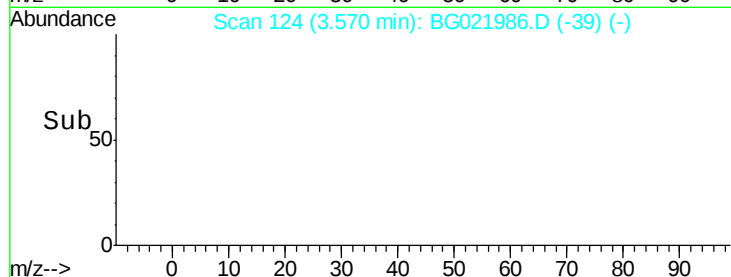
Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 43.00 (42.70 to 43.70): BGC

Ion 58.00 (57.70 to 58.70): BGC



Time-->



#4

Benzaldehyde

Concen: 0.66 ng/uL

RT: 7.69 min Scan# 825

Delta R.T. 0.39 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

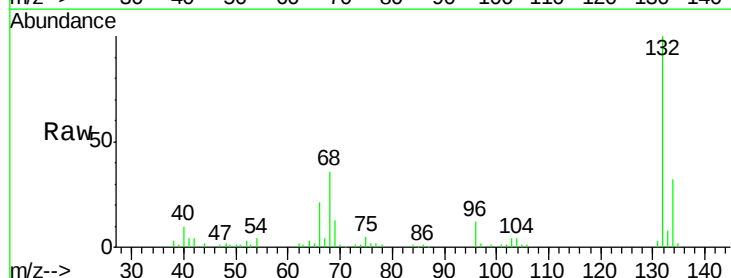
Tgt Ion: 77 Resp: 1135

Ion Ratio Lower Upper

77 100

105 69.0 83.8 125.8#

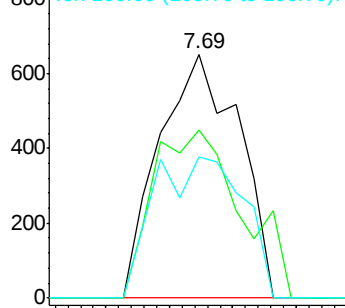
106 58.1 77.9 116.9#



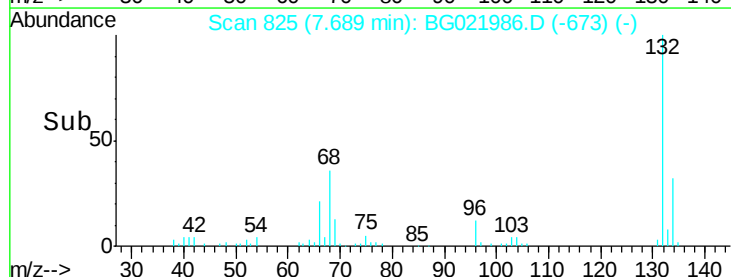
Abundance Ion 77.00 (76.70 to 77.70): BGC

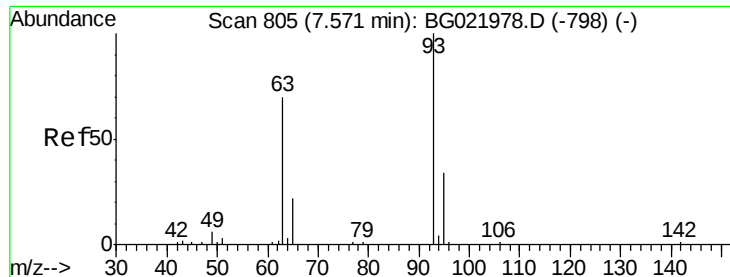
Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



Time-->





#8

Bis(2-Chloroethyl)ether

Concen: 0.07 ng/ul

RT: 7.57 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

Instrument :

BNA_G

ClientSampleId :

BD3G2

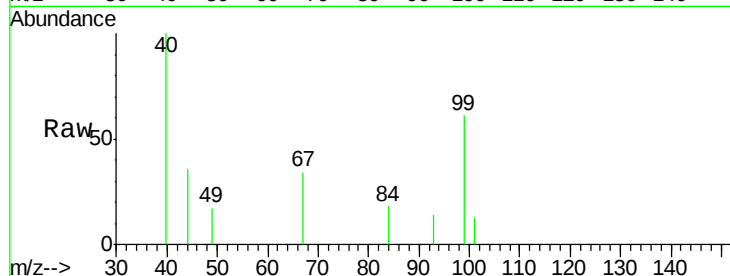
Tgt Ion: 93 Resp: 159

Ion Ratio Lower Upper

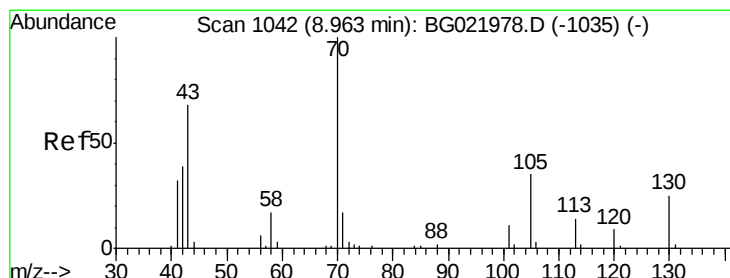
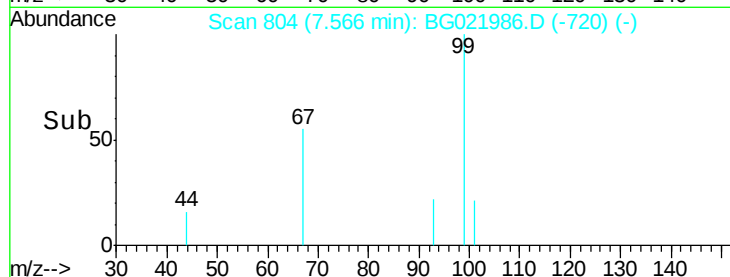
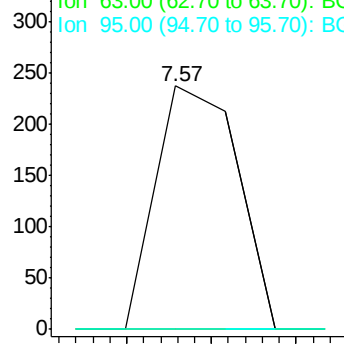
93 100

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



#15

N-Nitroso-di-n-propylamine

Concen: 0.51 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. -0.10 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

Tgt Ion: 70 Resp: 979

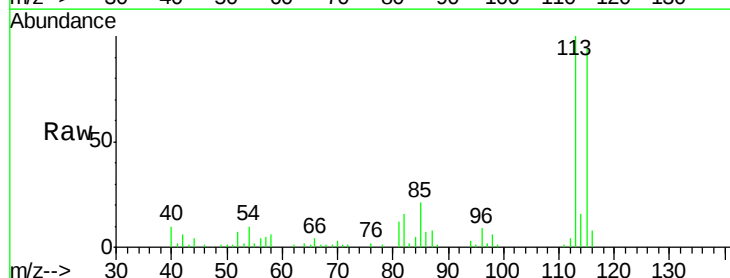
Ion Ratio Lower Upper

70 100

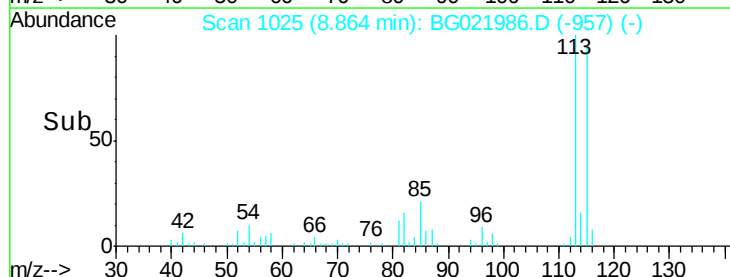
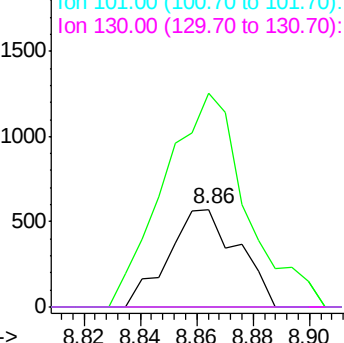
42 219.4 31.4 47.2#

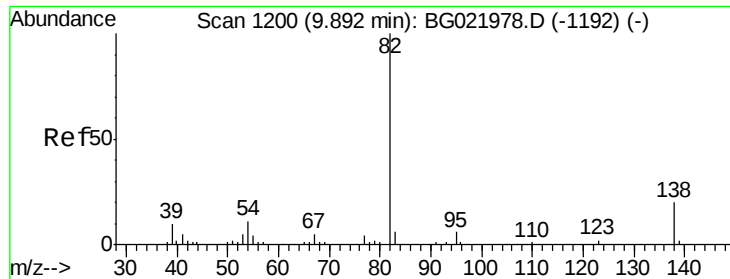
101 0.0 8.6 13.0#

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





#21

Isophorone

Concen: 0.03 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

Instrument :

BNA_G

ClientSampleId :

BD3G2

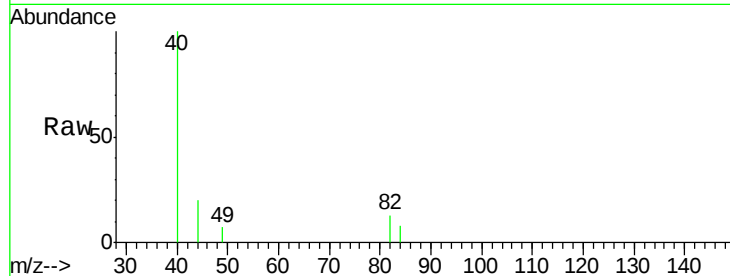
Tgt Ion: 82 Resp: 176

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

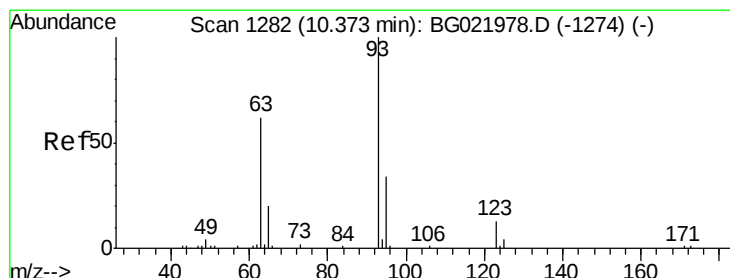
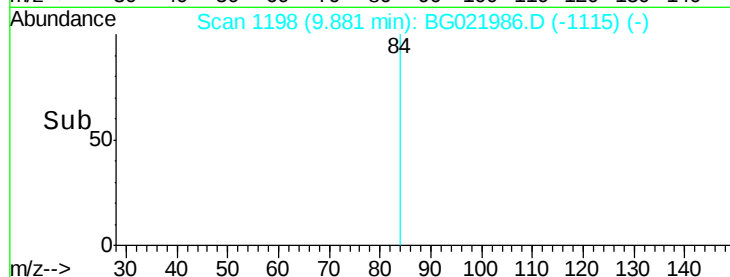
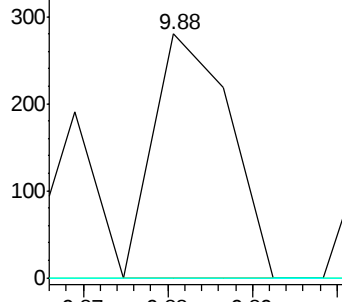
138 0.0 15.0 22.6#



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



#25

Bis(2-Chloroethoxy)methane

Concen: 0.03 ng/ul

RT: 10.60 min Scan# 1320

Delta R.T. 0.22 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

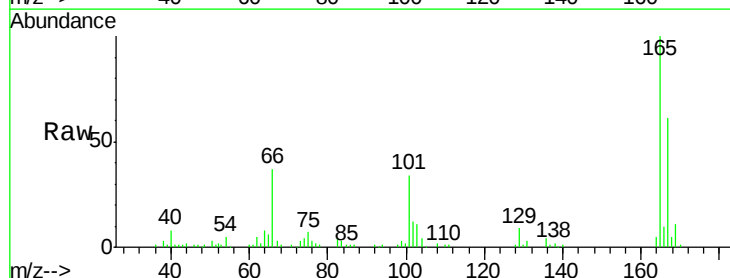
Tgt Ion: 93 Resp: 115

Ion Ratio Lower Upper

93 100

95 0.0 26.0 39.0#

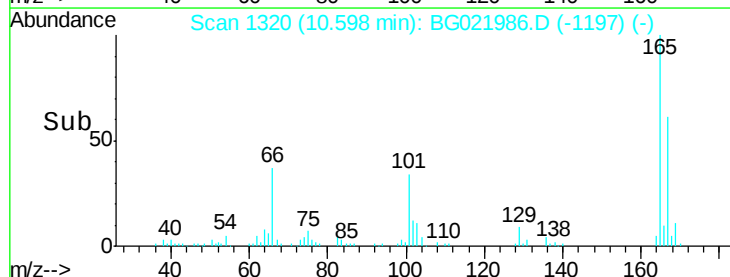
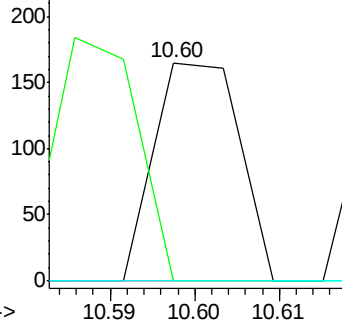
123 0.0 10.1 15.1#

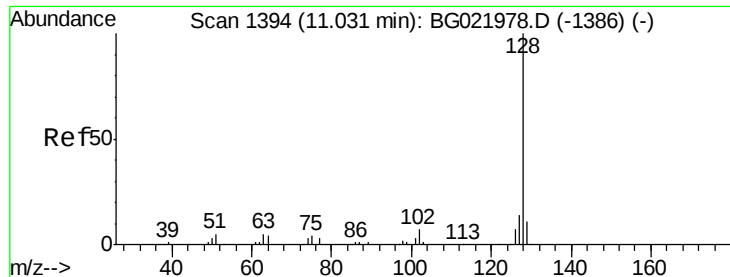


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

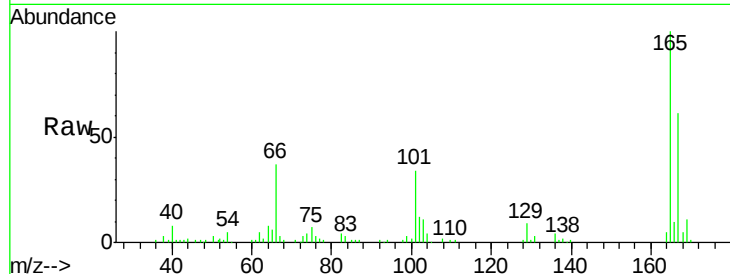




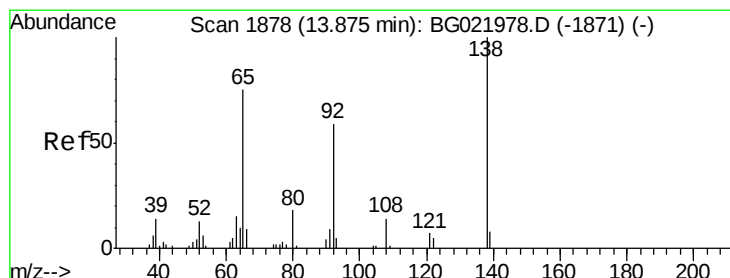
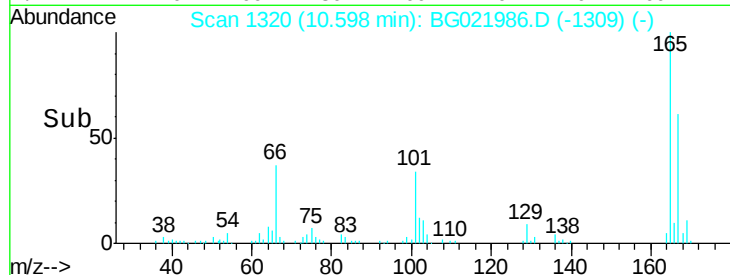
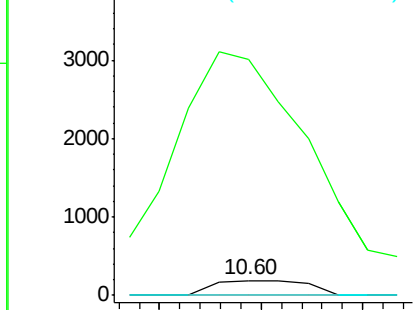
#28
Naphthalene
Concen: 0.03 ng/ul
RT: 10.60 min Scan# 1320
Delta R.T. -0.43 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Instrument :
BNA_G
ClientSampleId :
BD3G2

Tgt Ion:128 Resp: 248
Ion Ratio Lower Upper
128 100
129 1559.1 9.4 14.2#
127 0.0 11.2 16.8#

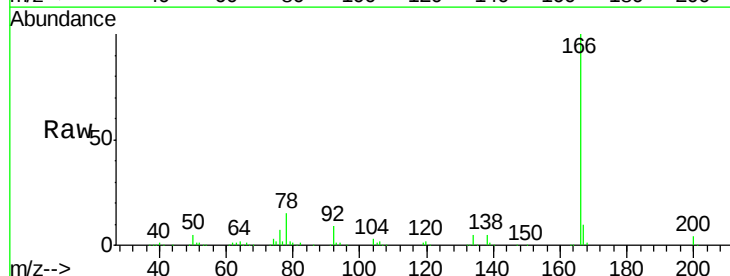


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

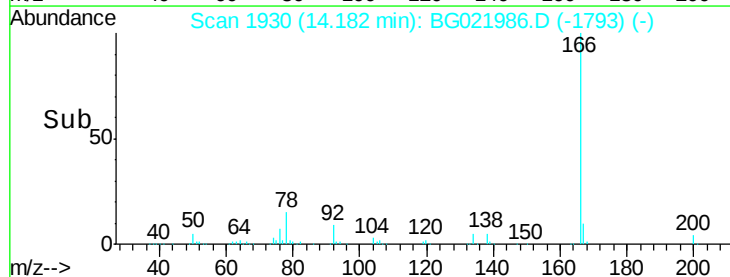
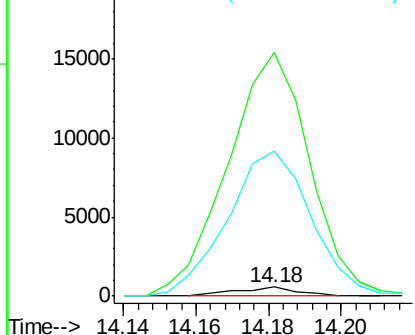


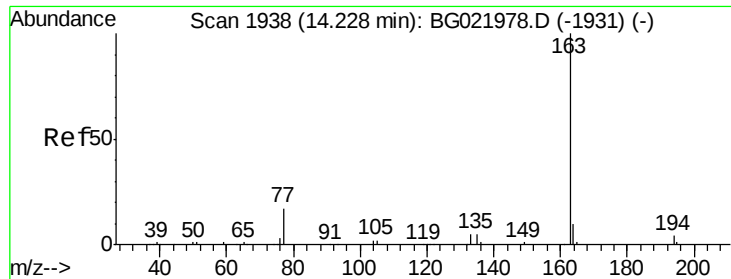
#43
2-Nitroaniline
Concen: 0.49 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.31 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Tgt Ion: 65 Resp: 703
Ion Ratio Lower Upper
65 100
92 2714.3 67.1 100.7#
138 1619.0 109.6 164.4#



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): E





#45

Dimethylphthalate

Concen: 0.02 ng/ul

RT: 14.18 min Scan# 1929

Delta R.T. -0.05 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

Instrument :

BNA_G

ClientSampleId :

BD3G2

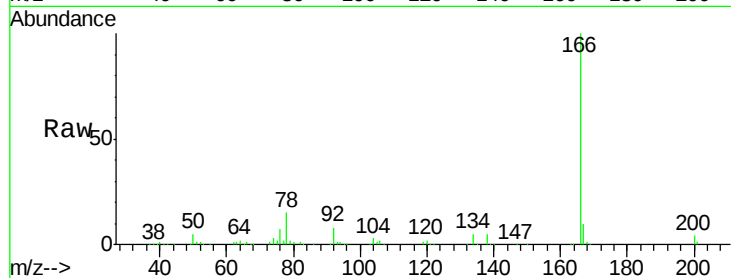
Tgt Ion:163 Resp: 119

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

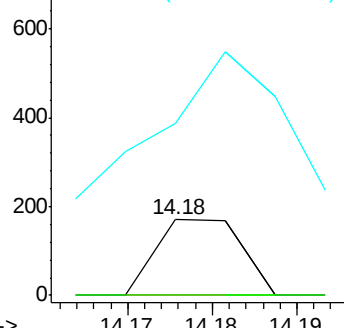
164 227.6 8.8 13.2#



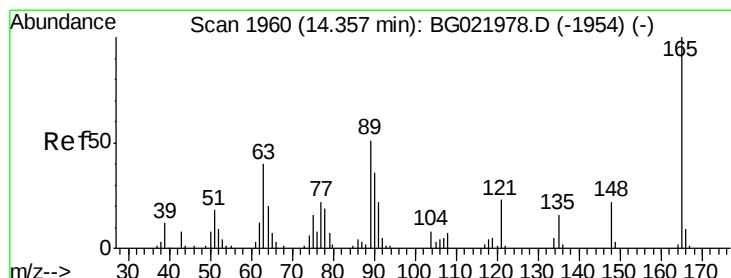
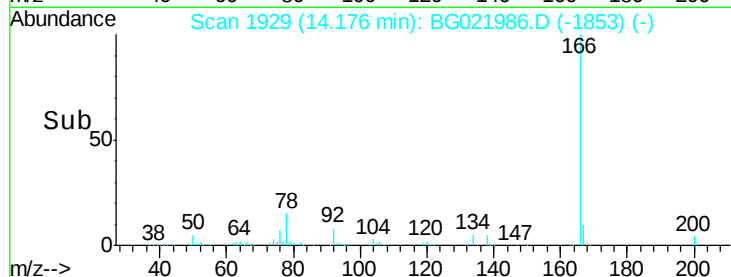
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#46

2,6-Dinitrotoluene

Concen: 8.10 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. 0.42 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

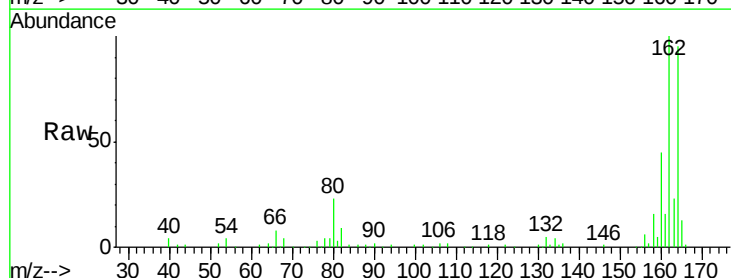
Tgt Ion:165 Resp: 13685

Ion Ratio Lower Upper

165 100

89 1.8 41.5 62.3#

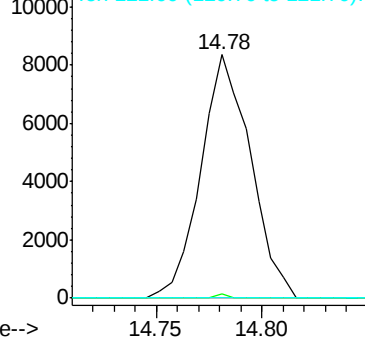
121 0.0 17.0 25.4#



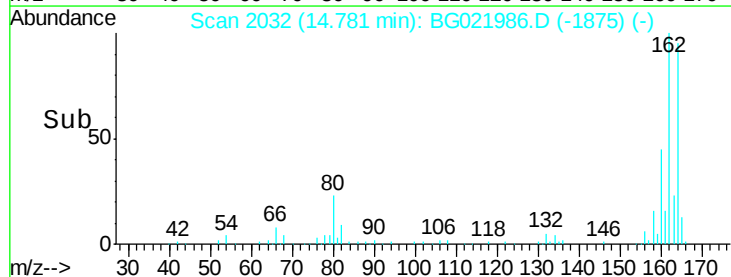
Abundance Ion 165.00 (164.70 to 165.70): E

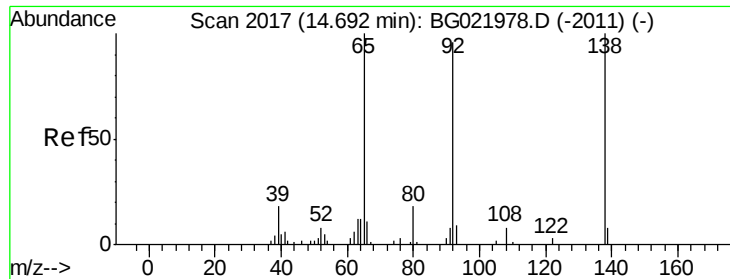
Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E



Time-->





#49

3-Nitroaniline

Concen: 0.20 ng/ul

RT: 14.23 min Scan# 1938

Delta R.T. -0.46 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

Instrument :

BNA_G

ClientSampleId :

BD3G2

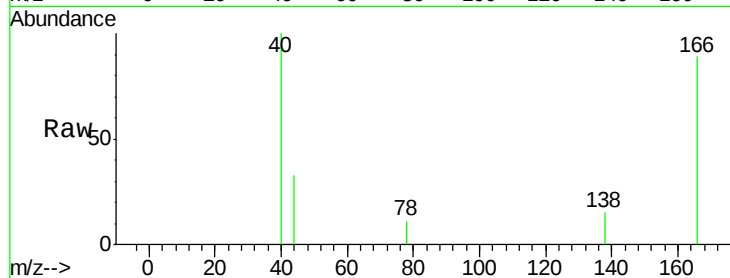
Tgt Ion:138 Resp: 316

Ion Ratio Lower Upper

138 100

108 0.0 6.2 9.2#

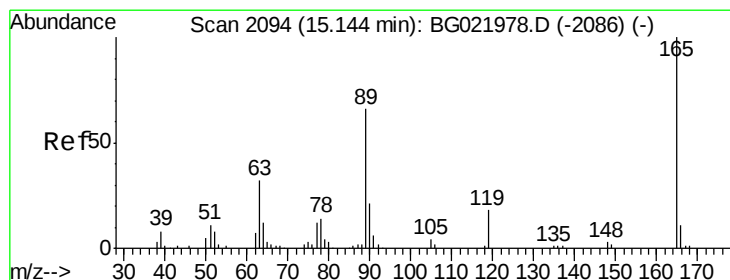
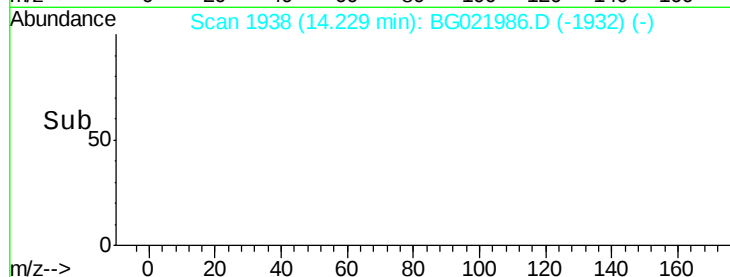
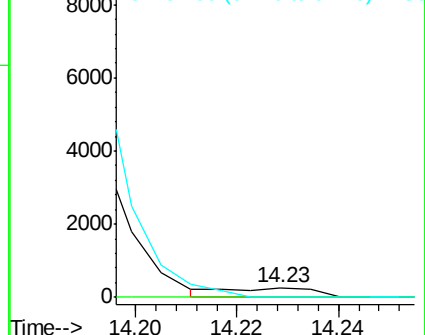
92 0.0 79.3 118.9#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

2,4-Dinitrotoluene

Concen: 6.01 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.36 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

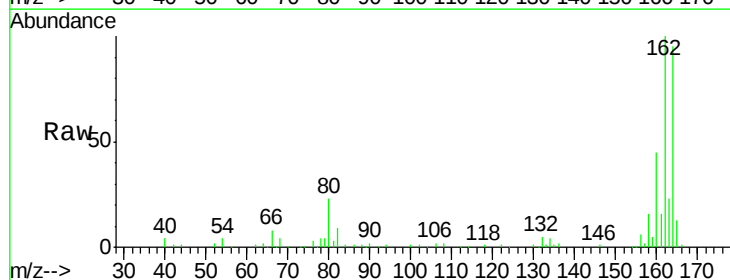
Tgt Ion:165 Resp: 13685

Ion Ratio Lower Upper

165 100

63 0.0 25.7 38.5#

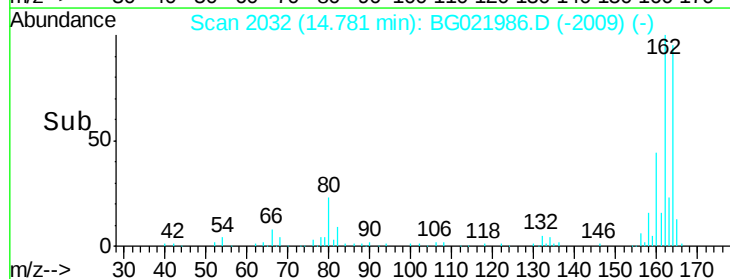
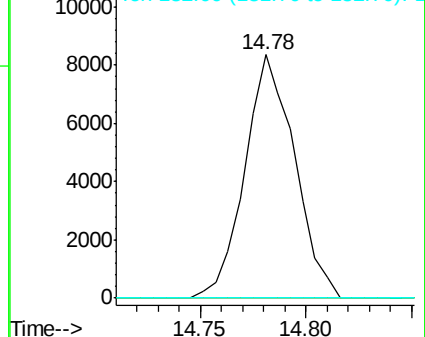
182 0.0 2.1 3.1#

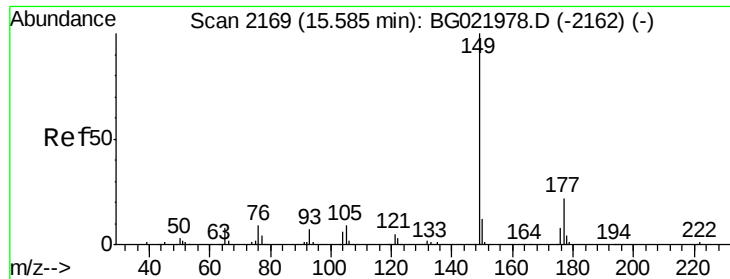


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E

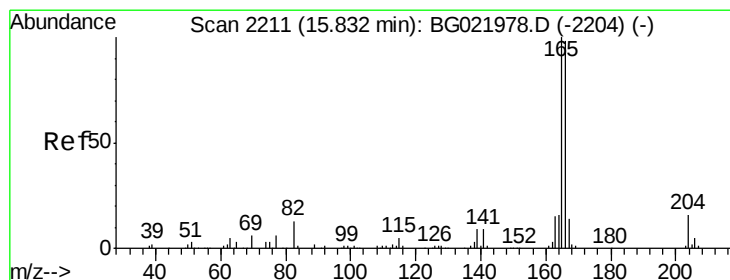
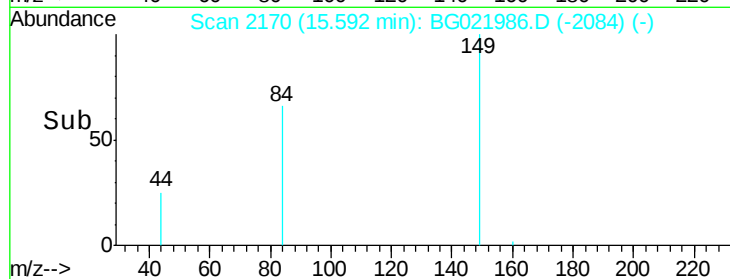
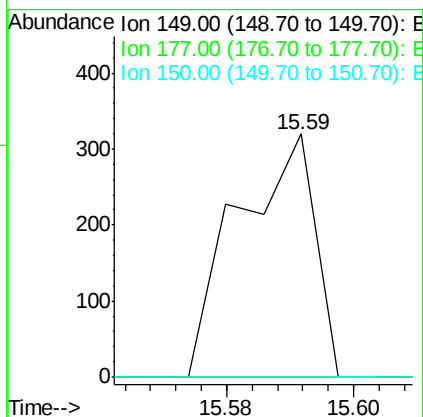
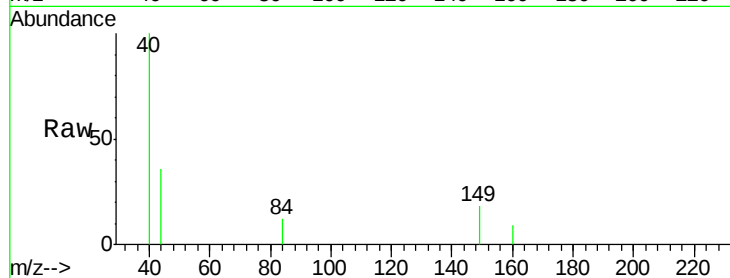




#57
Diethylphthalate
Concen: 0.03 ng/ul
RT: 15.59 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

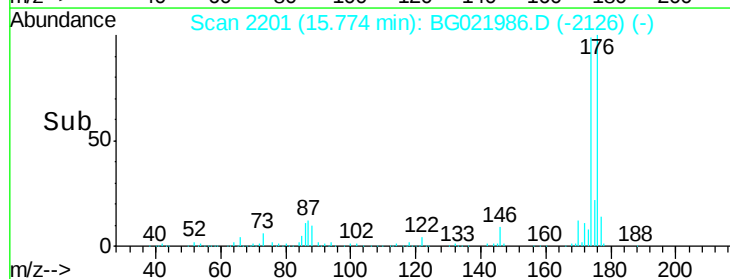
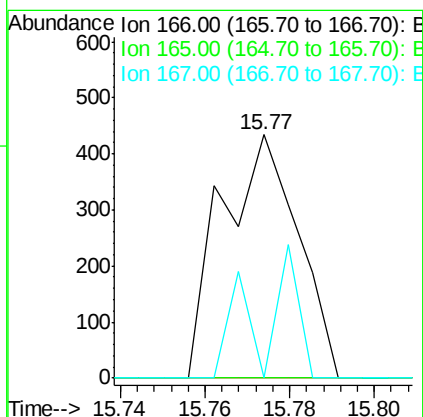
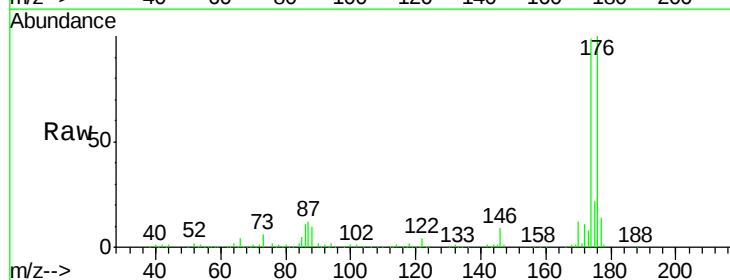
Instrument :
BNA_G
ClientSampleId :
BD3G2

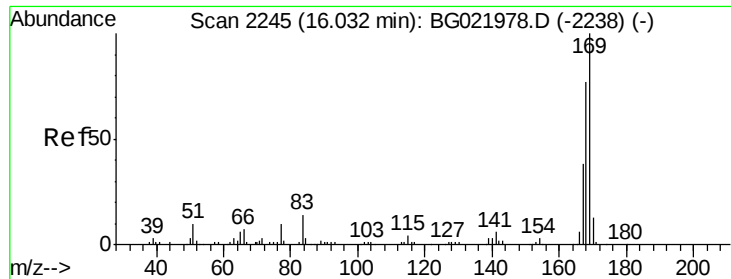
Tgt Ion:149 Resp: 269
Ion Ratio Lower Upper
149 100
177 0.0 17.4 26.2#
150 0.0 9.6 14.4#



#59
Fluorene
Concen: 0.07 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Tgt Ion:166 Resp: 544
Ion Ratio Lower Upper
166 100
165 0.0 80.3 120.5#
167 0.0 10.3 15.5#

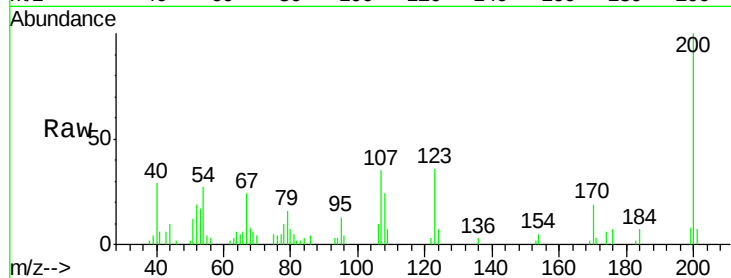




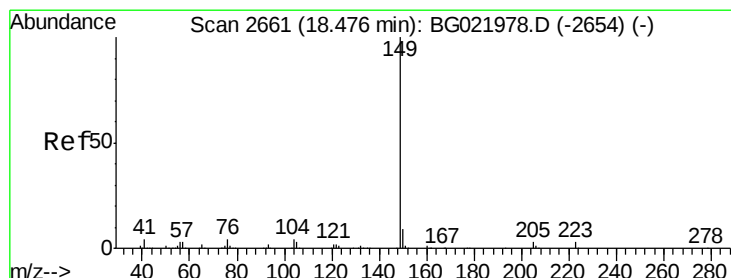
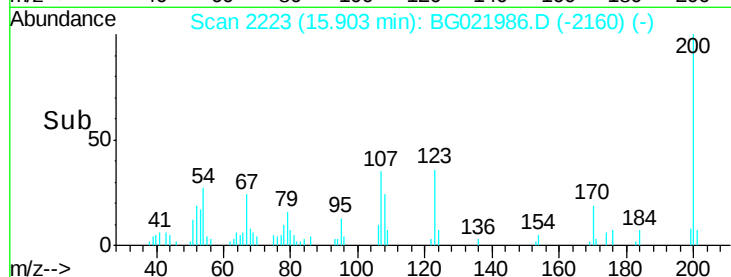
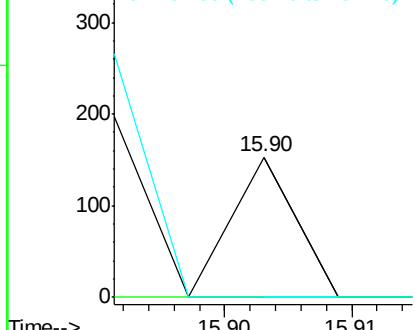
#65
N-Nitrosodiphenylamine
Concen: 0.01 ng/ul
RT: 15.90 min Scan# 2223
Delta R.T. -0.13 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Instrument :
BNA_G
ClientSampleId :
BD3G2

Tgt Ion:169 Resp: 54
Ion Ratio Lower Upper
169 100
168 0.0 59.0 88.6#
167 0.0 30.6 46.0#

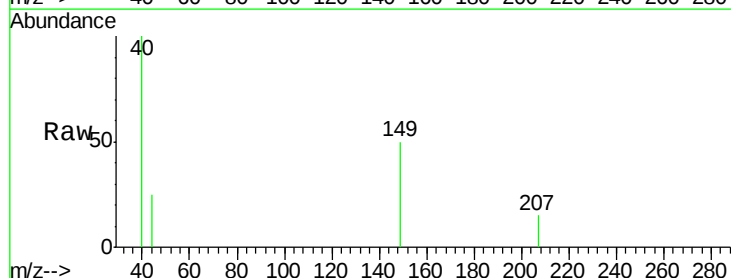


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

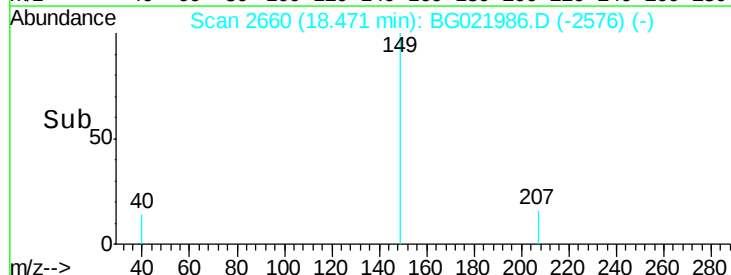
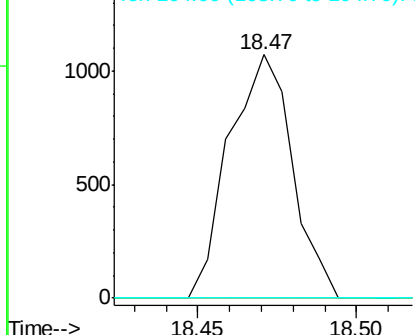


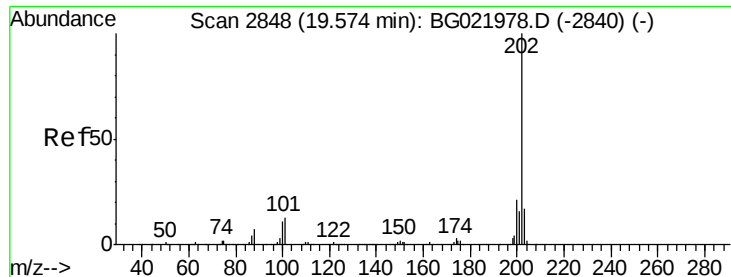
#74
Di-n-butylphthalate
Concen: 0.10 ng/ul
RT: 18.47 min Scan# 2660
Delta R.T. -0.01 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Tgt Ion:149 Resp: 1480
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: BG021986.D

Acq: 21 May 2016 21:16

Instrument :

BNA_G

ClientSampleId :

BD3G2

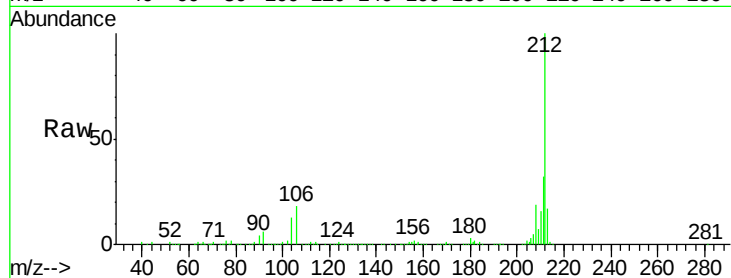
Tgt Ion:202 Resp: 582

Ion Ratio Lower Upper

202 100

101 0.0 10.6 16.0#

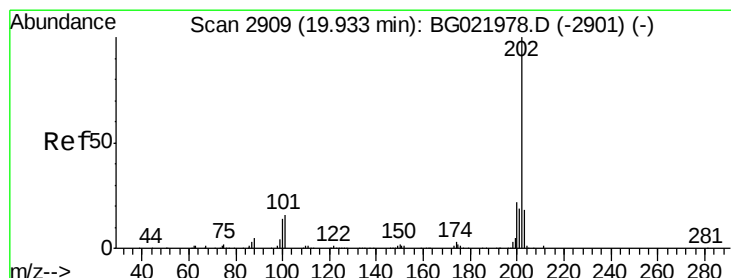
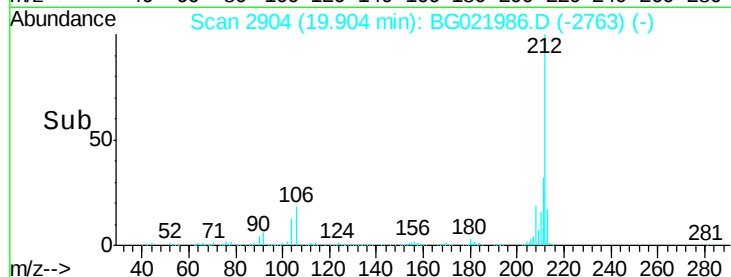
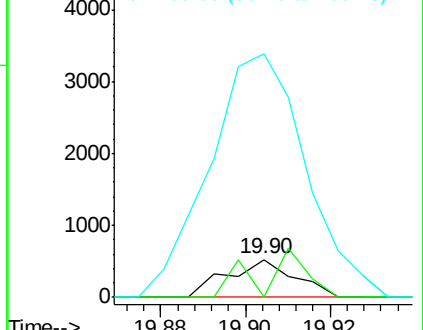
100 644.6 8.7 13.1#



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: BG021986.D

Acq: 21 May 2016 21:16

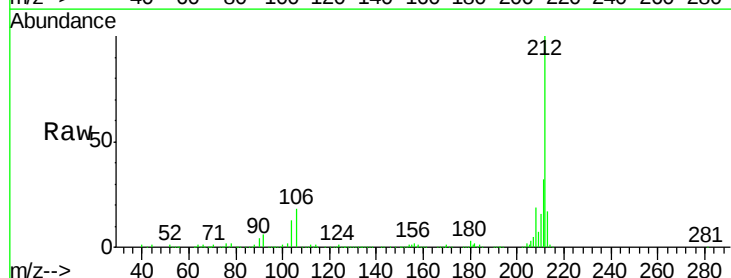
Tgt Ion:202 Resp: 582

Ion Ratio Lower Upper

202 100

101 0.0 12.5 18.7#

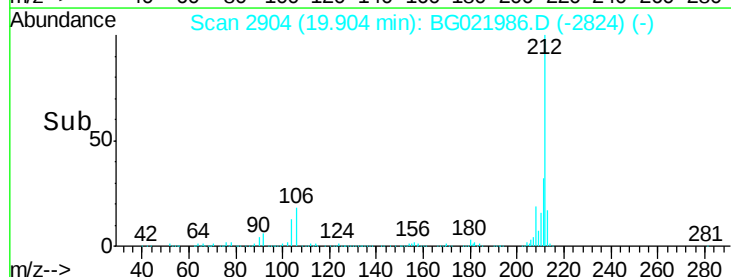
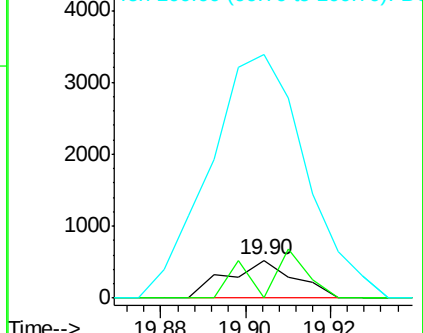
100 644.6 10.2 15.4#

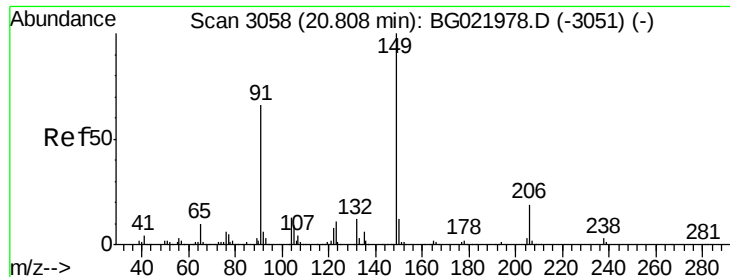


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3056

Delta R.T. -0.01 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

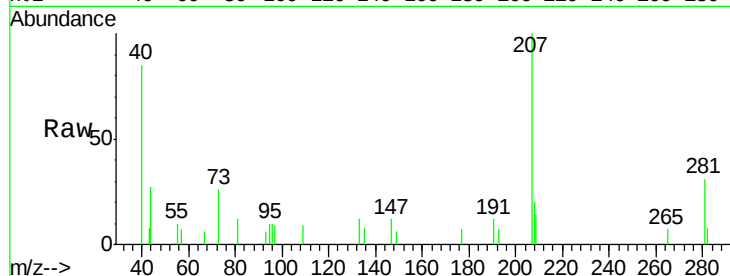
Instrument :

BNA_G

ClientSampled :

BD3G2

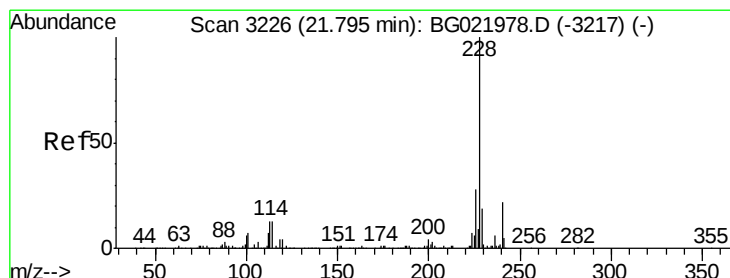
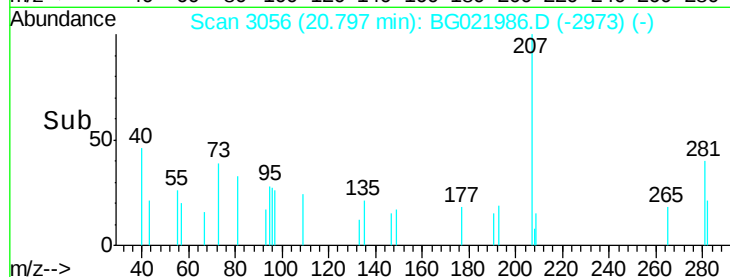
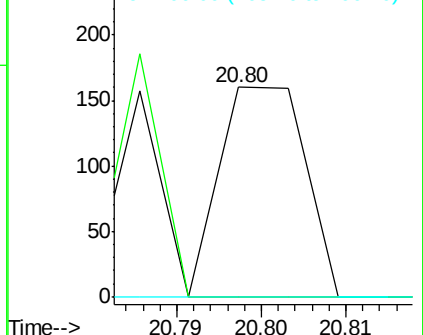
Tgt Ion:	149	Resp:	113
Ion	Ratio	Lower	Upper
149	100		
91	0.0	54.2	81.4#
206	0.0	14.1	21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG021978.D (-3051) (-)

Ion 206.00 (205.70 to 206.70): E



#81

Benzo(a)anthracene

Concen: 0.04 ng/ul

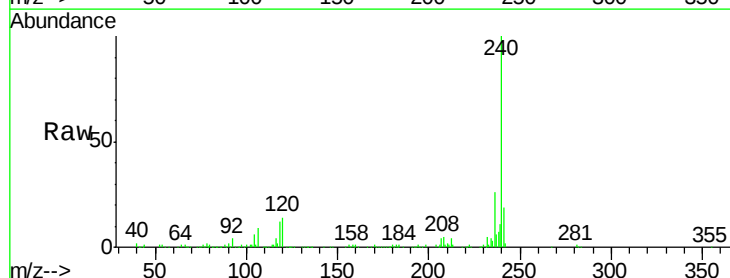
RT: 21.81 min Scan# 3228

Delta R.T. 0.01 min

Lab File: BG021986.D

Acq: 21 May 2016 21:16

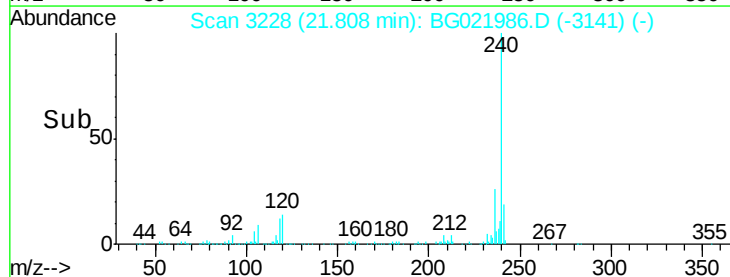
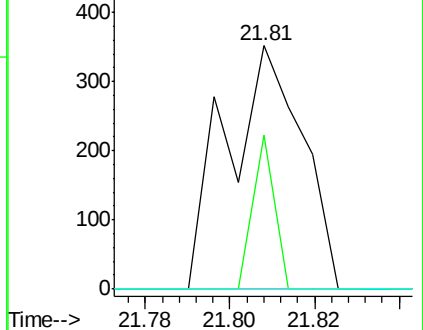
Tgt Ion:	228	Resp:	438
Ion	Ratio	Lower	Upper
228	100		
229	63.4	15.4	23.2#
226	0.0	22.8	34.2#

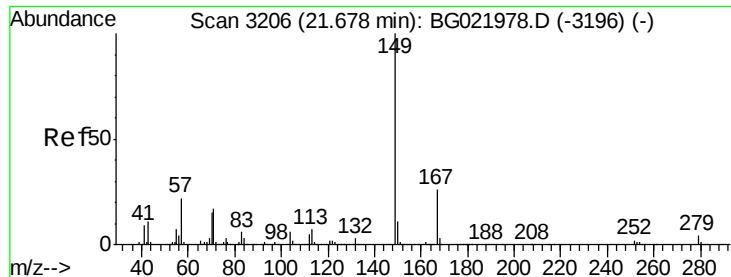


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

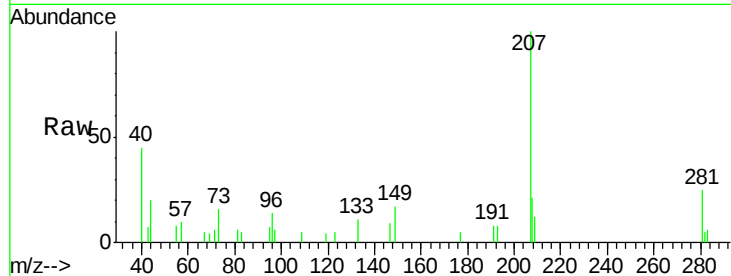




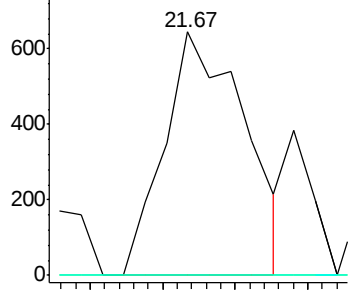
#82
 Bis(2-ethylhexyl)phthalate
 Concen: 0.10 ng/ul
 RT: 21.67 min Scan# 3204
 Delta R.T. -0.01 min
 Lab File: BG021986.D
 Acq: 21 May 2016 21:16

Instrument :
 BNA_G
 ClientSampleId :
 BD3G2

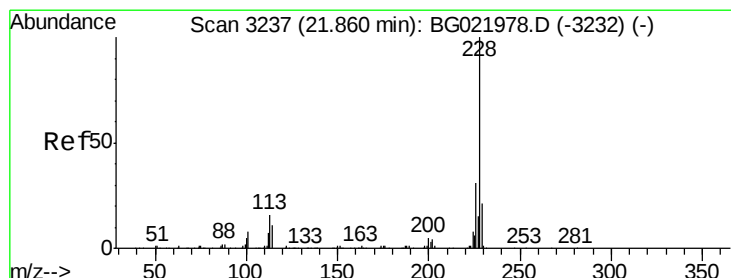
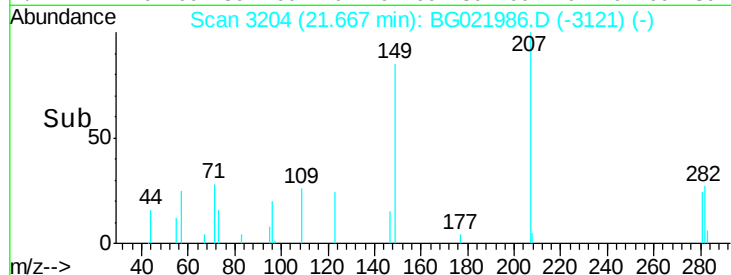
Tgt Ion:149 Resp: 997
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.9 32.9#
 279 0.0 2.9 4.3#



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

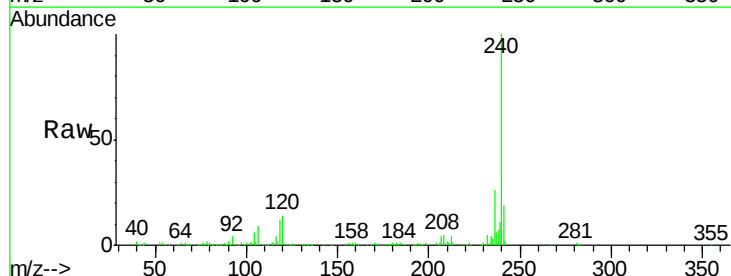


Time-->

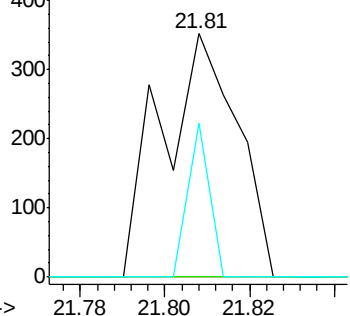


#83
 Chrysene
 Concen: 0.04 ng/ul
 RT: 21.81 min Scan# 3228
 Delta R.T. -0.05 min
 Lab File: BG021986.D
 Acq: 21 May 2016 21:16

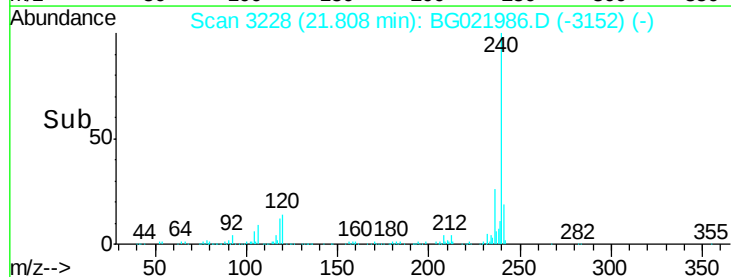
Tgt Ion:228 Resp: 438
 Ion Ratio Lower Upper
 228 100
 226 0.0 24.2 36.4#
 229 63.4 15.0 22.6#

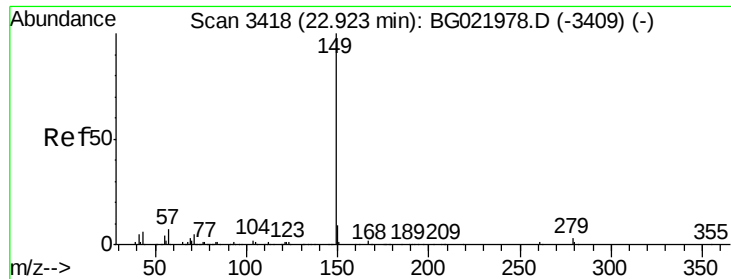


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

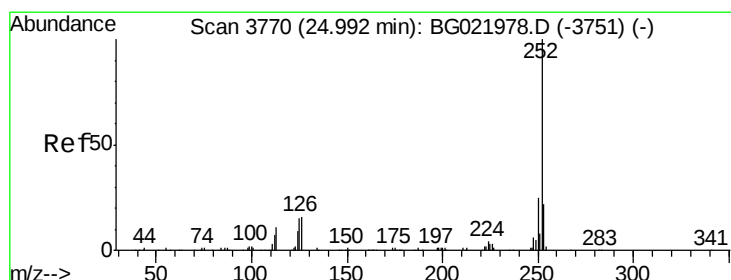
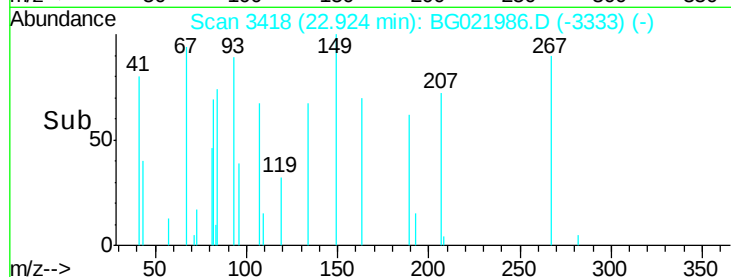
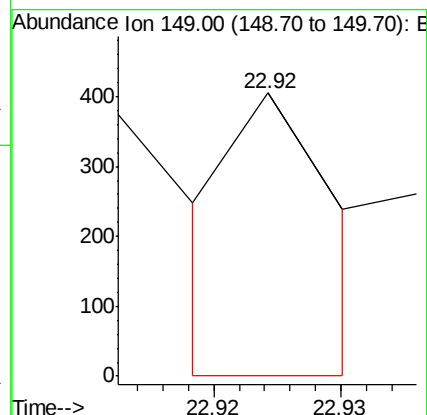
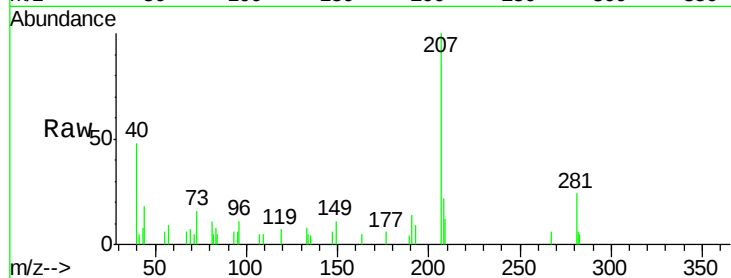




#85
Di-n-octyl phthalate
Concen: 0.01 ng/ul
RT: 22.92 min Scan# 3418
Delta R.T. 0.00 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Instrument :
BNA_G
ClientSampleId :
BD3G2

Tgt Ion:149 Resp: 227



#89
Benzo(a)pyrene
Concen: 0.01 ng/ul
RT: 24.95 min Scan# 3763
Delta R.T. -0.04 min
Lab File: BG021986.D
Acq: 21 May 2016 21:16

Tgt Ion:252 Resp: 121
Ion Ratio Lower Upper
252 100
253 0.0 19.0 28.4#
125 137.2 12.0 18.0#

