

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021991.D
 Acq On : 22 May 2016 00:38
 Operator : UM/SJ
 Sample : H3146-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BD4G7

Quant Time: May 22 06:45:21 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	36805	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	191330	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	110146	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	230835	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	217080	20.00	ng/ul	0.00
84) Perylene-d12	25.14	264	195627	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1672	2.37	ng/uL	0.00
5) Phenol-d5	7.31	99	33453	10.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	55000	31.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	77692	27.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	58088	20.60	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	44962	31.86	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	49670	32.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	78361	28.44	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	290191	35.08	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	374813	32.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	2407	1.69	ng/ul	0.00
58) Fluorene-d10	15.77	176	262089	33.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	34270	28.40	ng/ul	0.00
71) Anthracene-d10	17.63	188	386131	34.75	ng/ul	0.00
77) Pyrene-d10	19.91	212	420290	34.33	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.91	264	337340	37.16	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	118	0.09	ng/uL#	30
4) Benzaldehyde	7.69	77	1406	0.77	ng/ul#	72
8) Bis(2-Chloroethyl)ether	7.57	93	187	0.08	ng/ul#	23
12) 2,2'-oxybis(1-Chloropropan	8.85	45	59	0.02	ng/ul#	64
15) N-Nitroso-di-n-propylamine	8.89	70	110	0.05	ng/ul#	1
20) Nitrobenzene	9.33	77	139	0.05	ng/ul#	36
21) Isophorone	9.88	82	71	0.01	ng/ul#	64
28) Naphthalene	10.61	128	78	0.01	ng/ul#	1
43) 2-Nitroaniline	14.18	65	470	0.31	ng/ul#	1
45) Dimethylphthalate	14.18	163	227	0.03	ng/ul#	1
46) 2,6-Dinitrotoluene	14.20	165	270	0.15	ng/ul#	34
55) 2,4-Dinitrotoluene	14.78	165	14686	6.11	ng/ul#	49
57) Diethylphthalate	15.58	149	590	0.07	ng/ul#	59
59) Fluorene	15.77	166	645	0.08	ng/ul#	4
61) 4-Nitroaniline	15.89	138	173	0.10	ng/ul#	1
65) N-Nitrosodiphenylamine	15.90	169	200	0.03	ng/ul#	23
74) Di-n-butylphthalate	18.47	149	3813	0.25	ng/ul#	95
75) Fluoranthene	19.89	202	288	0.02	ng/ul#	1
78) Pyrene	19.91	202	399	0.03	ng/ul#	1
81) Benzo(a)anthracene	21.80	228	211	0.02	ng/ul#	51
82) Bis(2-ethylhexyl)phthalate	21.66	149	567	0.06	ng/ul#	52
83) Chrysene	21.81	228	273	0.02	ng/ul#	50
85) Di-n-octyl phthalate	22.91	149	253	0.02	ng/ul	100

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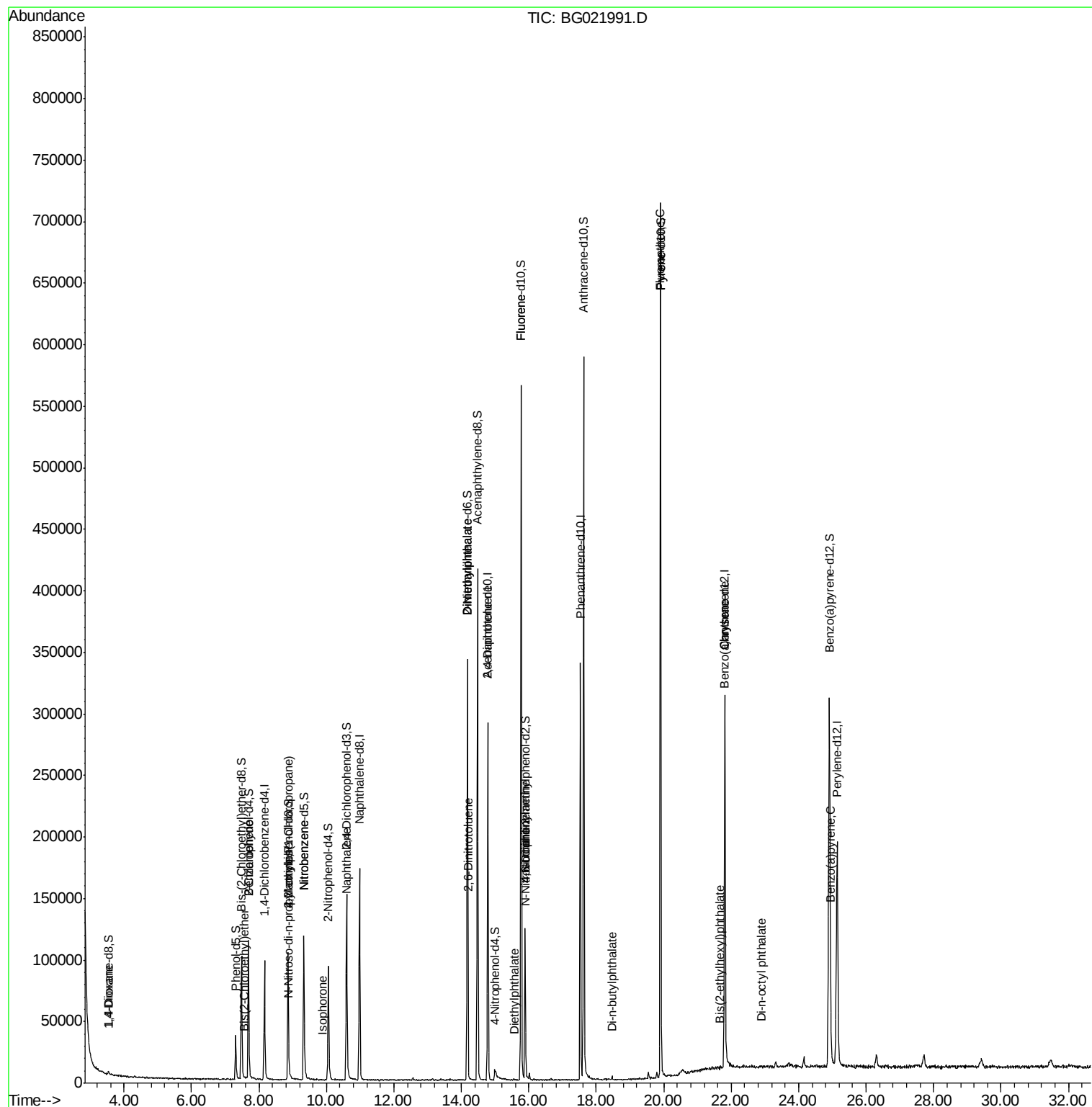
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	24.95	252	117	0.01	ng/ul#	56

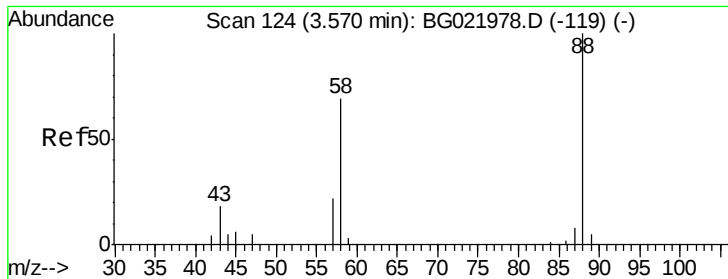
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.09 ng/uL

RT: 3.56 min Scan# 123

Delta R.T. -0.01 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

Instrument :

BNA_G

ClientSampleId :

BD4G7

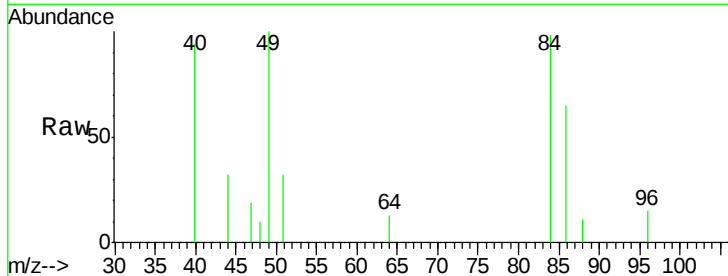
Tgt Ion: 88 Resp: 118

Ion Ratio Lower Upper

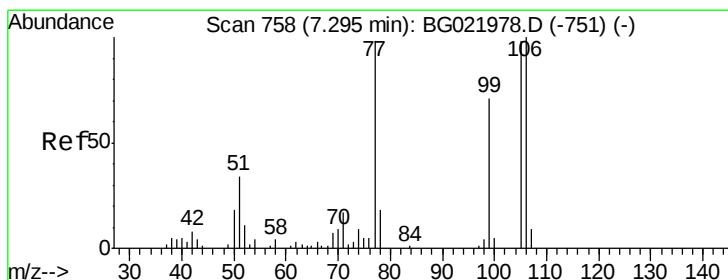
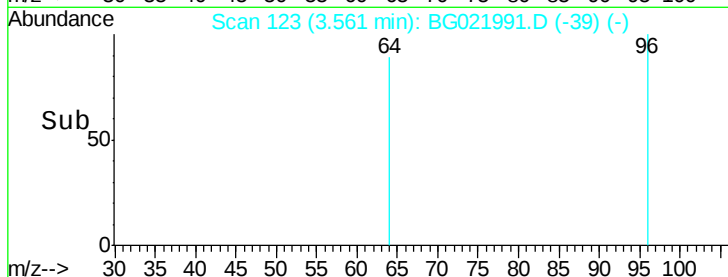
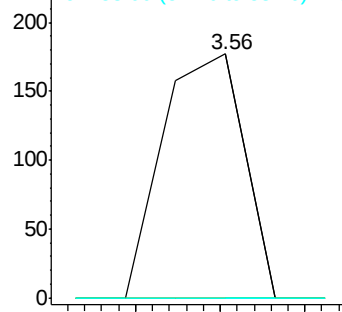
88 100

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: 0.77 ng/uL

RT: 7.69 min Scan# 825

Delta R.T. 0.39 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

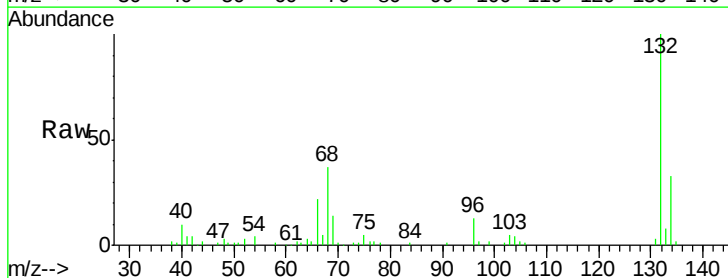
Tgt Ion: 77 Resp: 1406

Ion Ratio Lower Upper

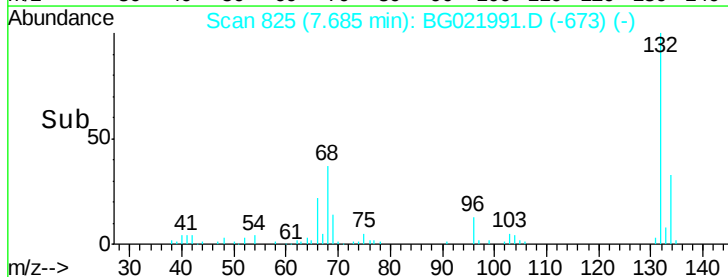
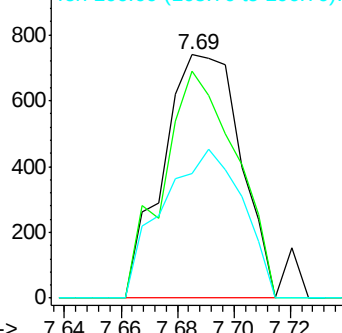
77 100

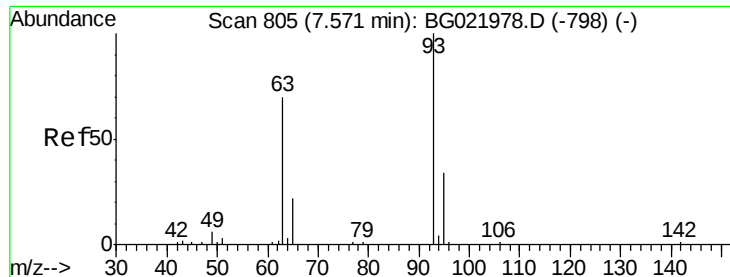
105 93.4 83.8 125.8

106 51.2 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: 0.08 ng/ul

RT: 7.57 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

Instrument :

BNA_G

ClientSampleId :

BD4G7

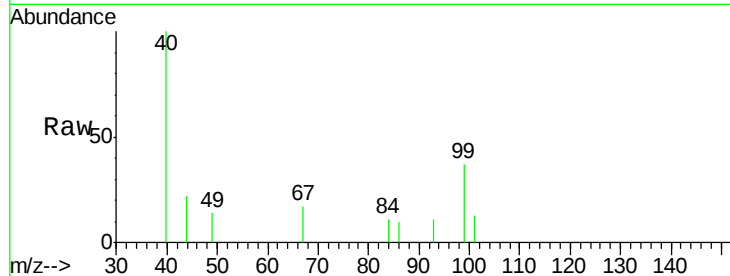
Tgt Ion: 93 Resp: 187

Ion Ratio Lower Upper

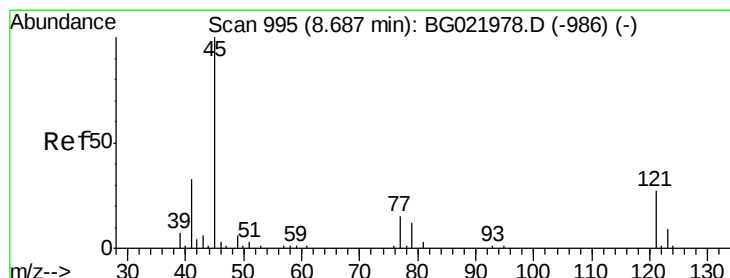
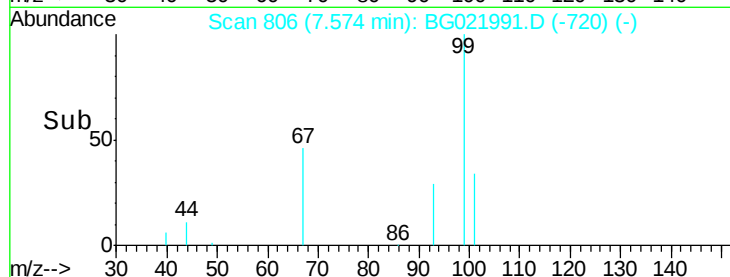
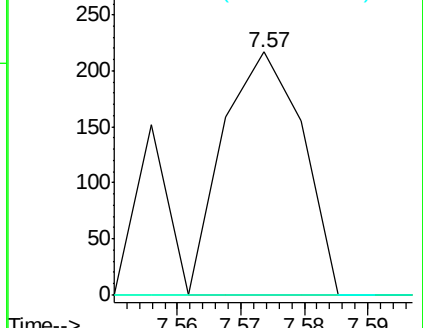
93 100

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: 0.02 ng/ul

RT: 8.85 min Scan# 1024

Delta R.T. 0.17 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

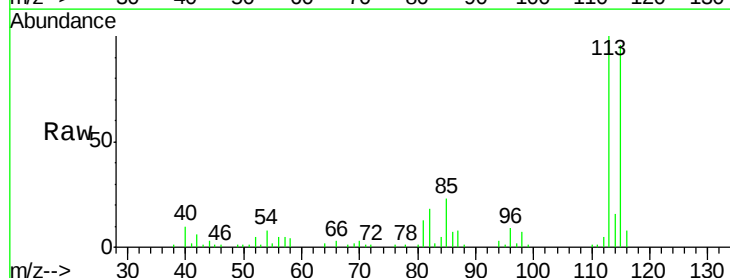
Tgt Ion: 45 Resp: 59

Ion Ratio Lower Upper

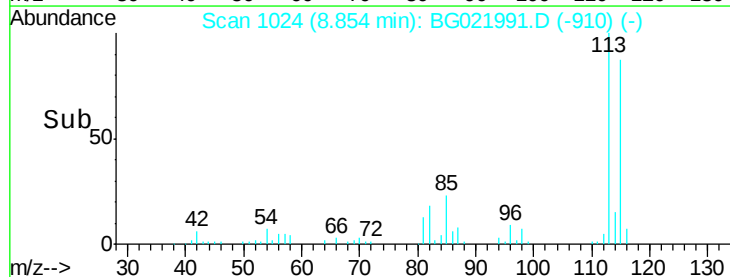
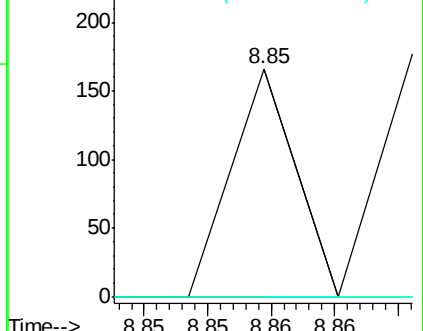
45 100

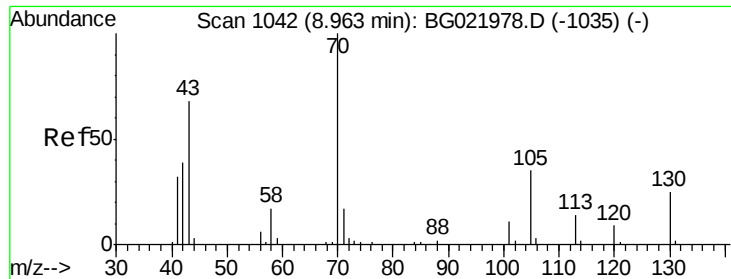
77 0.0 13.4 20.2#

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

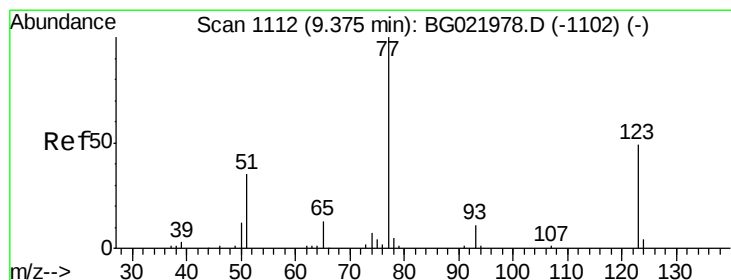
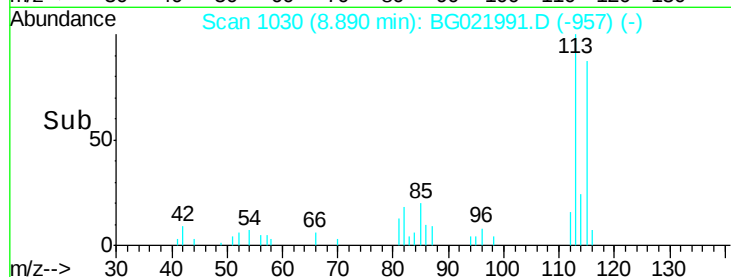
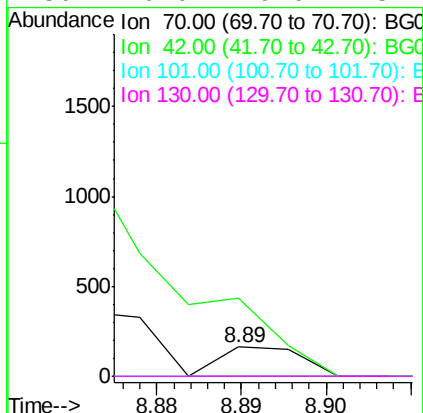
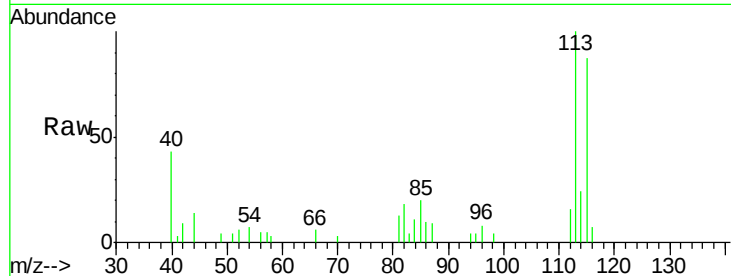




#15
N-Nitroso-di-n-propylamine
Concen: 0.05 ng/ul
RT: 8.89 min Scan# 1030
Delta R.T. -0.07 min
Lab File: BG021991.D
Acq: 22 May 2016 00:38

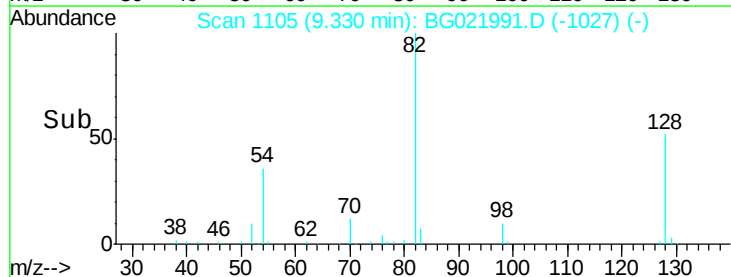
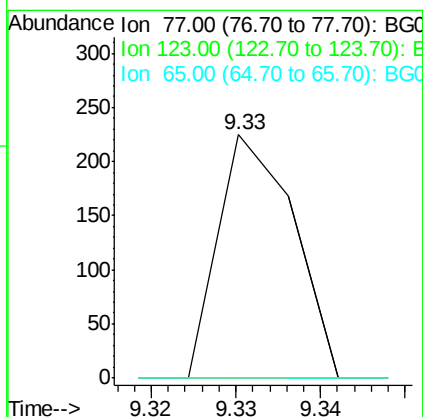
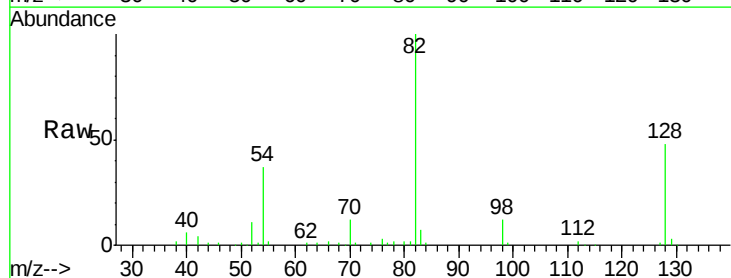
Instrument :
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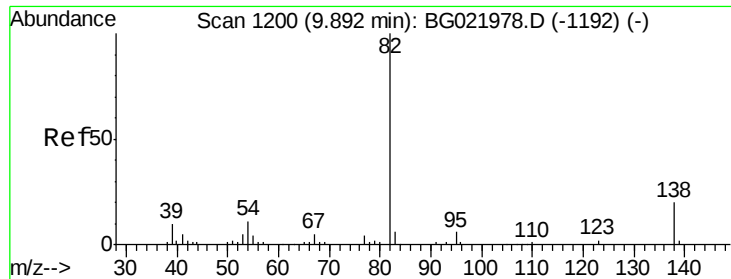
Tgt Ion: 70 Resp: 110
Ion Ratio Lower Upper
70 100
42 269.8 31.4 47.2#
101 0.0 8.6 13.0#
130 0.0 19.0 28.4#



#20
Nitrobenzene
Concen: 0.05 ng/ul
RT: 9.33 min Scan# 1105
Delta R.T. -0.04 min
Lab File: BG021991.D
Acq: 22 May 2016 00:38

Tgt Ion: 77 Resp: 139
Ion Ratio Lower Upper
77 100
123 0.0 39.5 59.3#
65 0.0 9.0 13.4#





#21

Isophorone

Concen: 0.01 ng/ul

RT: 9.88 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

Instrument :

BNA_G

ClientSampleId :

BD4G7

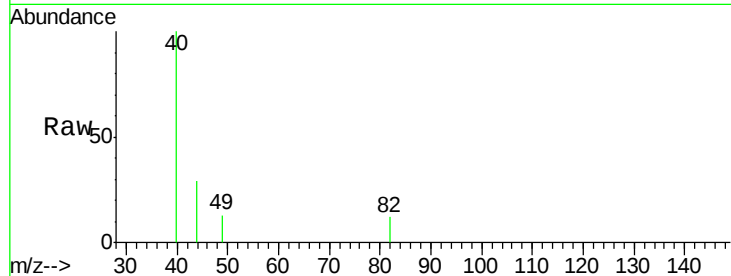
Tgt Ion: 82 Resp: 71

Ion Ratio Lower Upper

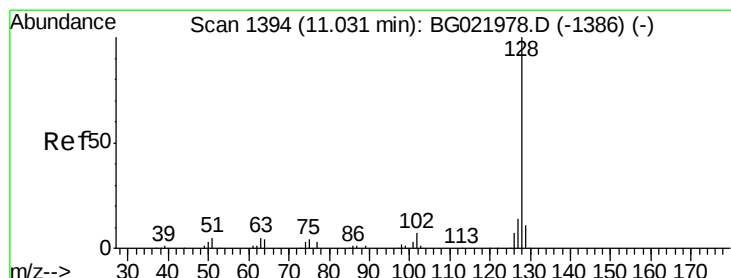
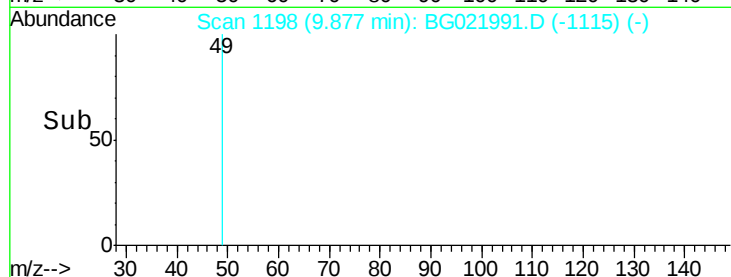
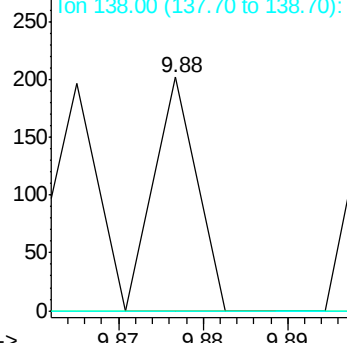
82 100

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: 0.01 ng/ul

RT: 10.61 min Scan# 1323

Delta R.T. -0.42 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

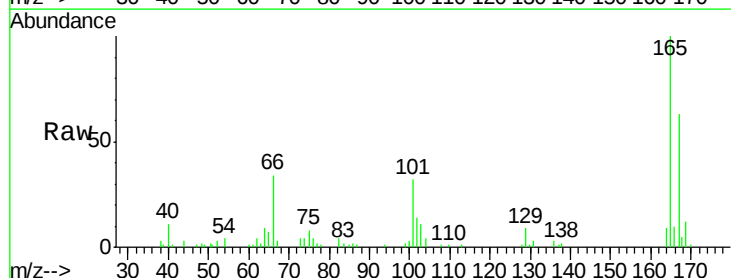
Tgt Ion: 128 Resp: 78

Ion Ratio Lower Upper

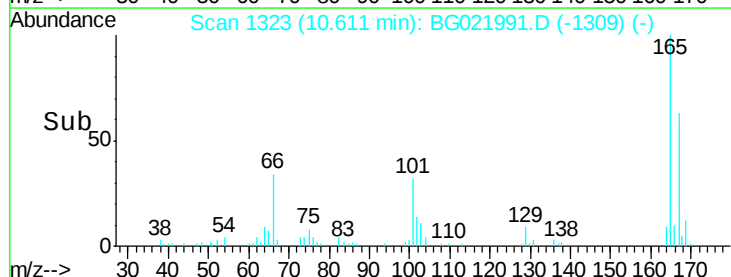
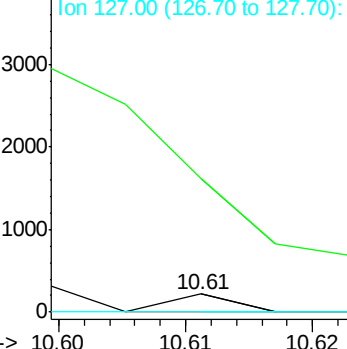
128 100

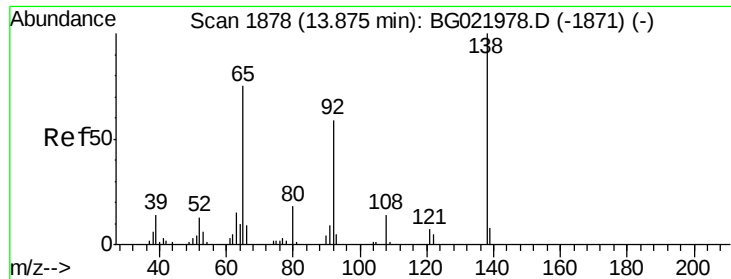
129 732.1 9.4 14.2#

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: 0.31 ng/ul

RT: 14.18 min Scan# 1930

Delta R.T. 0.30 min

Lab File: BG021991.D

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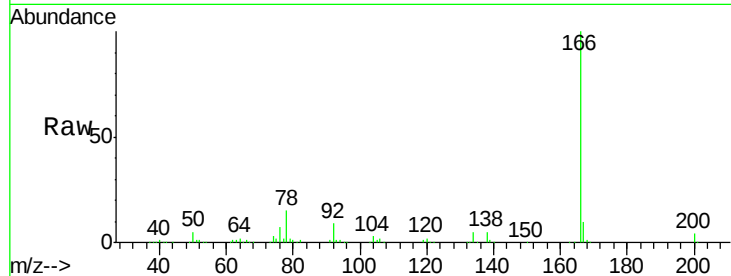
Tgt Ion: 65 Resp: 470

Ion Ratio Lower Upper

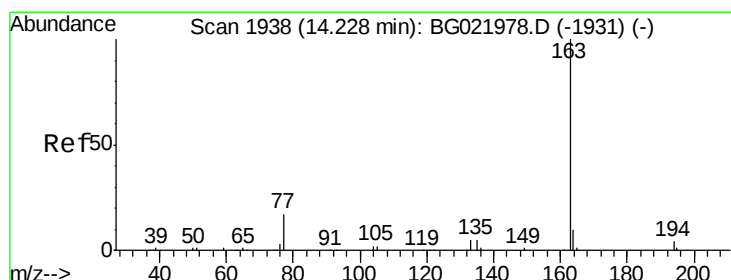
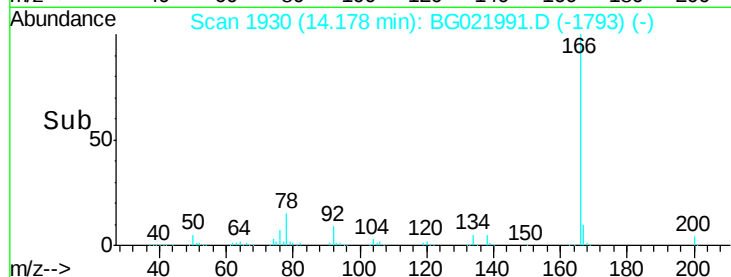
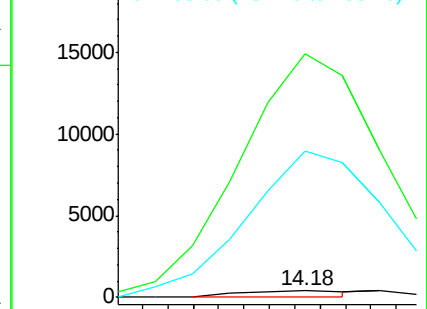
65 100

92 3831.9 67.1 100.7#

138 2300.5 109.6 164.4#



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: 0.03 ng/ul

RT: 14.18 min Scan# 1930

Delta R.T. -0.05 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

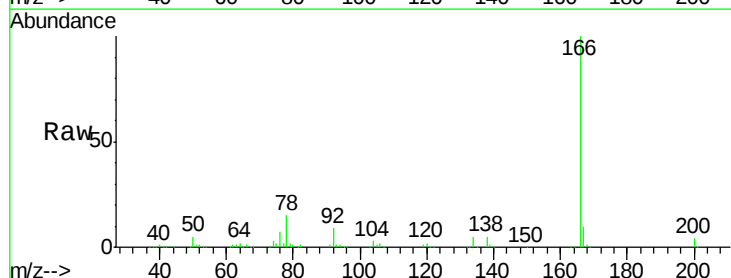
Tgt Ion: 163 Resp: 227

Ion Ratio Lower Upper

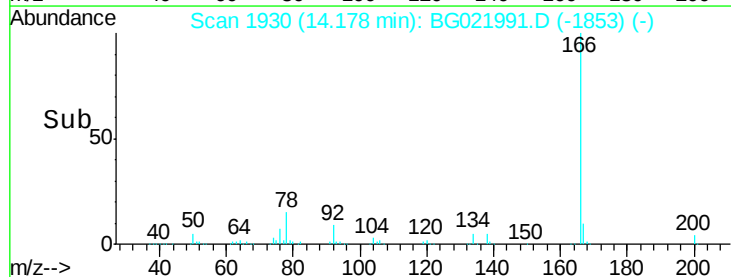
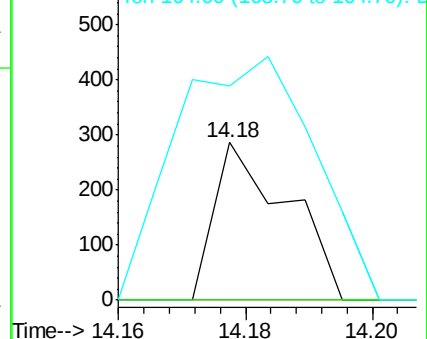
163 100

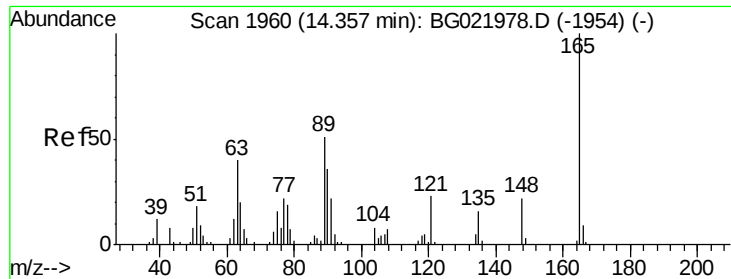
194 0.0 3.4 5.2#

164 135.7 8.8 13.2#



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC

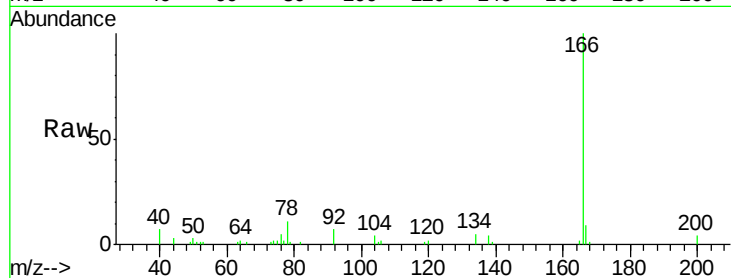




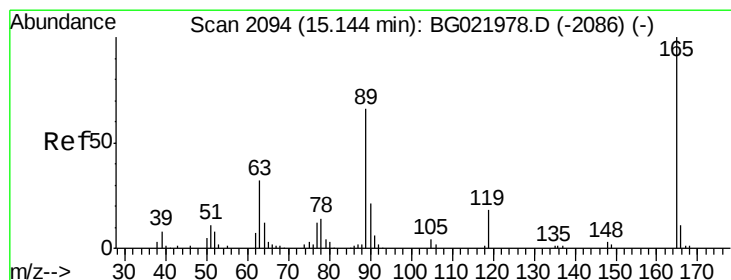
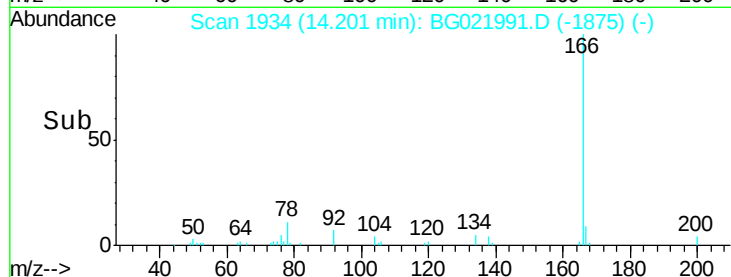
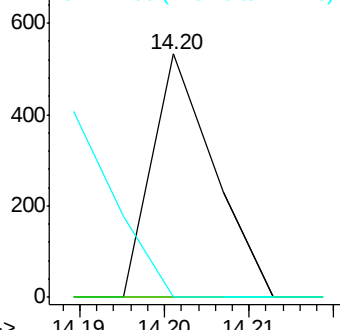
#46
 2,6-Dinitrotoluene
 Concen: 0.15 ng/ul
 RT: 14.20 min Scan# 1934
 Delta R.T. -0.16 min
 Lab File: BG021991.D
 Acq: 22 May 2016 00:38

Instrument :
 BNA_G
 ClientSampleId :
 BD4G7

Tgt Ion:165 Resp: 270
 Ion Ratio Lower Upper
 165 100
 89 0.0 41.5 62.3#
 121 0.0 17.0 25.4#

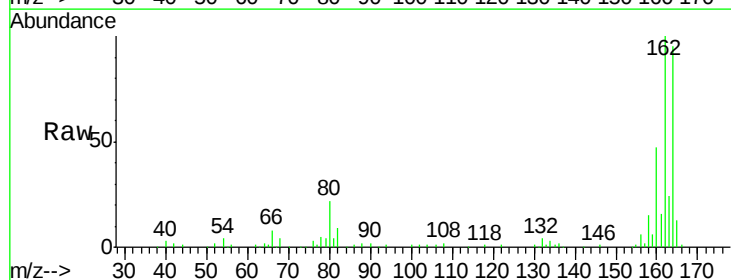


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 121.00 (120.70 to 121.70): E

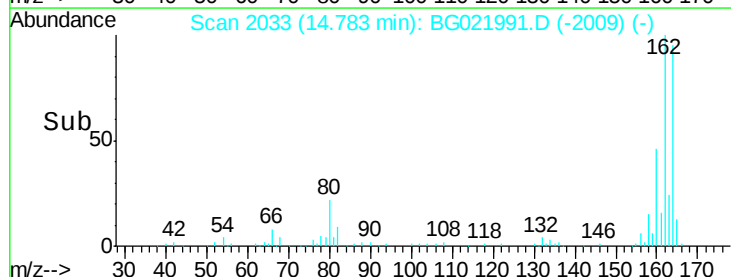
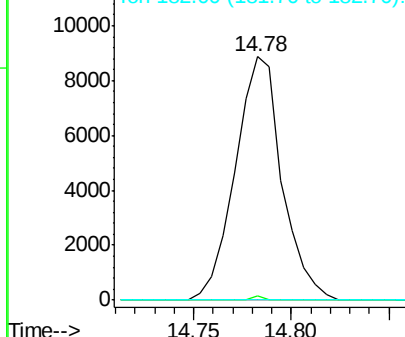


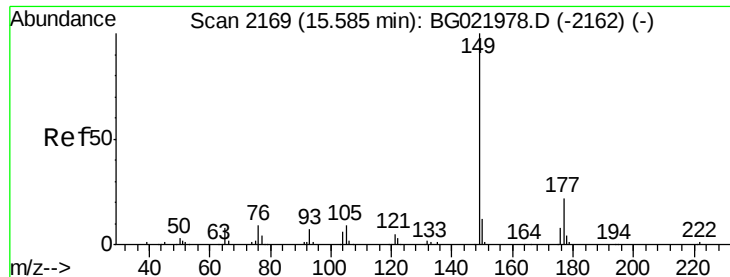
#55
 2,4-Dinitrotoluene
 Concen: 6.11 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. -0.36 min
 Lab File: BG021991.D
 Acq: 22 May 2016 00:38

Tgt Ion:165 Resp: 14686
 Ion Ratio Lower Upper
 165 100
 63 1.8 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: 0.07 ng/ul

RT: 15.58 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

Instrument :

BNA_G

ClientSampleId :

BD4G7

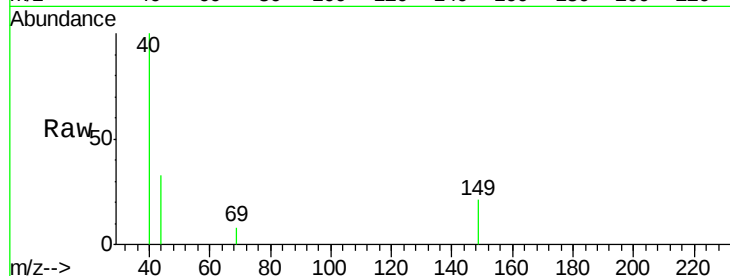
Tgt Ion:149 Resp: 590

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

15.58

400

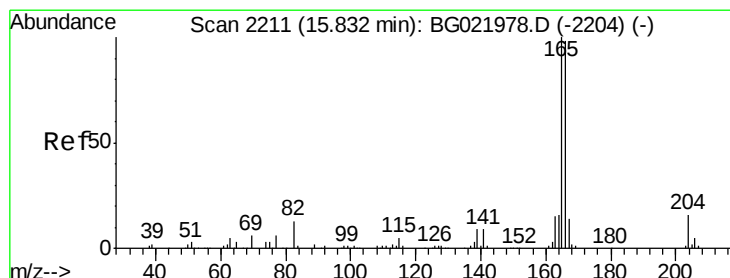
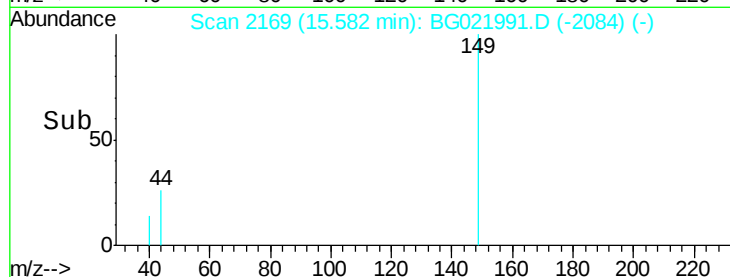
300

200

100

0

Time-->



#59

Fluorene

Concen: 0.08 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.06 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

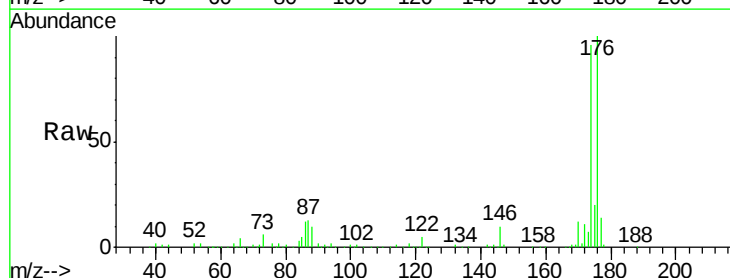
Tgt Ion:166 Resp: 645

Ion Ratio Lower Upper

166 100

165 0.0 80.3 120.5#

167 37.2 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

15.77

400

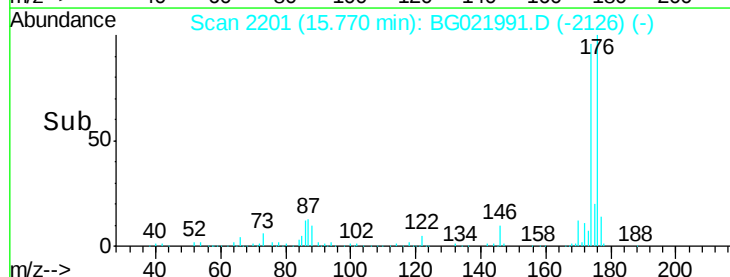
300

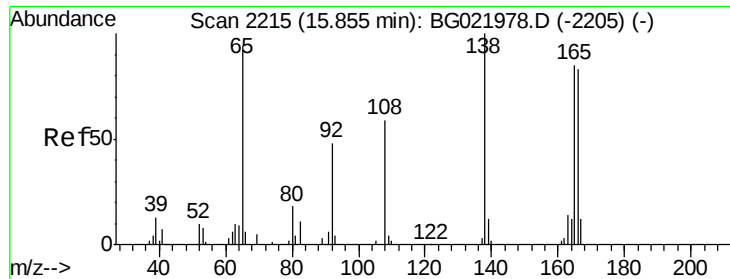
200

100

0

Time-->

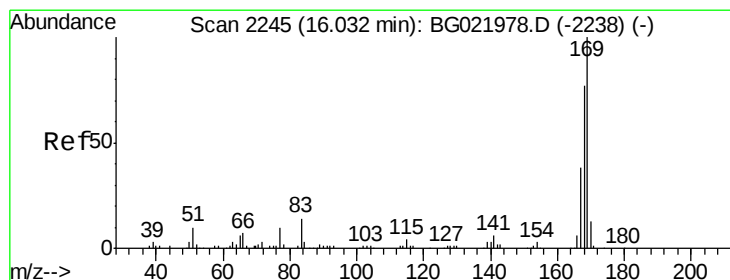
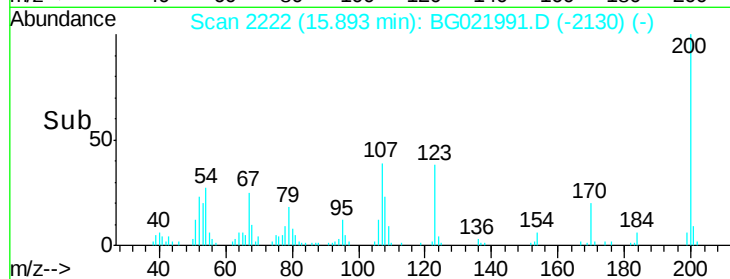
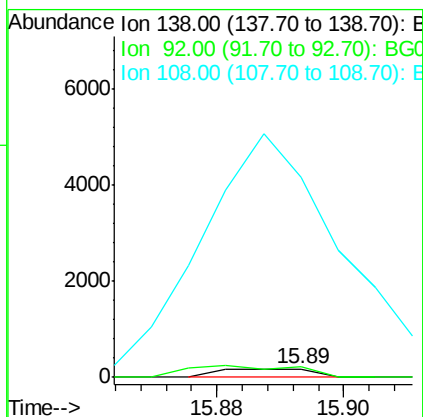
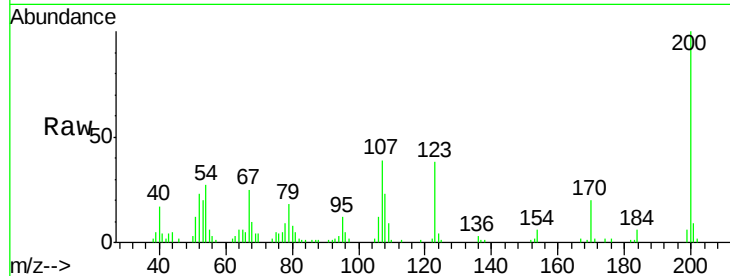




#61
 4-Nitroaniline
 Concen: 0.10 ng/ul
 RT: 15.89 min Scan# 2222
 Delta R.T. 0.04 min
 Lab File: BG021991.D
 Acq: 22 May 2016 00:38

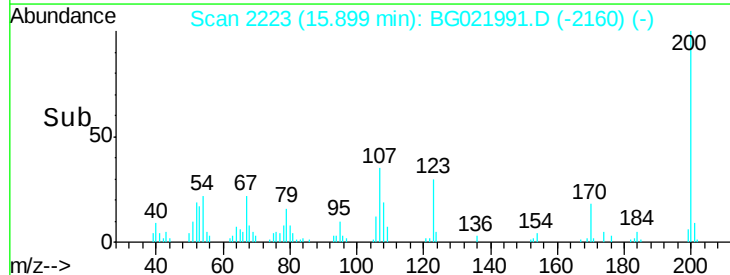
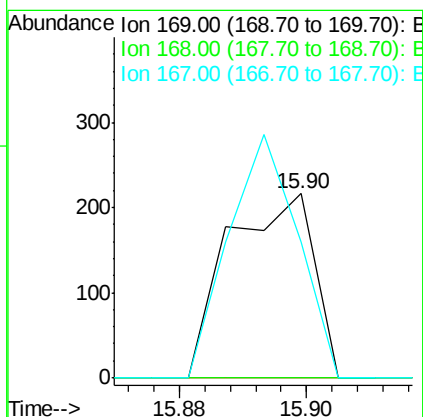
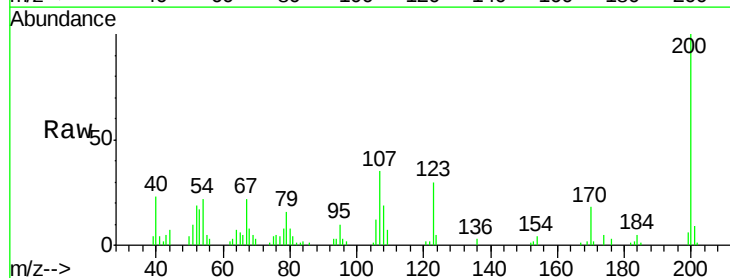
Instrument :
 BNA_G
 ClientSampleId :
 BD4G7

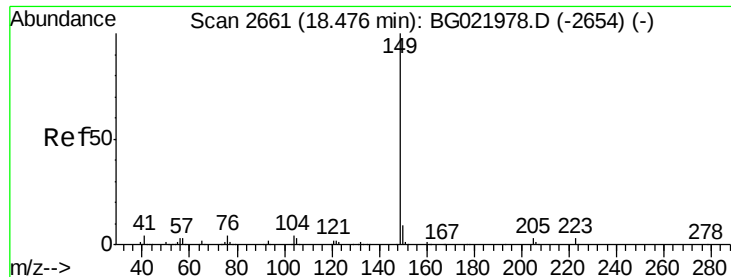
Tgt Ion:138 Resp: 173
 Ion Ratio Lower Upper
 138 100
 92 129.2 39.0 58.4#
 108 2476.8 49.2 73.8#



#65
 N-Nitrosodiphenylamine
 Concen: 0.03 ng/ul
 RT: 15.90 min Scan# 2223
 Delta R.T. -0.13 min
 Lab File: BG021991.D
 Acq: 22 May 2016 00:38

Tgt Ion:169 Resp: 200
 Ion Ratio Lower Upper
 169 100
 168 0.0 59.0 88.6#
 167 73.6 30.6 46.0#

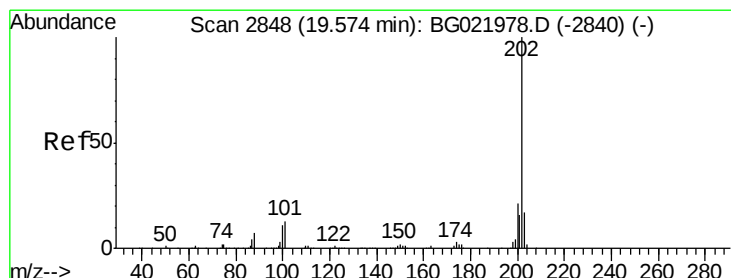
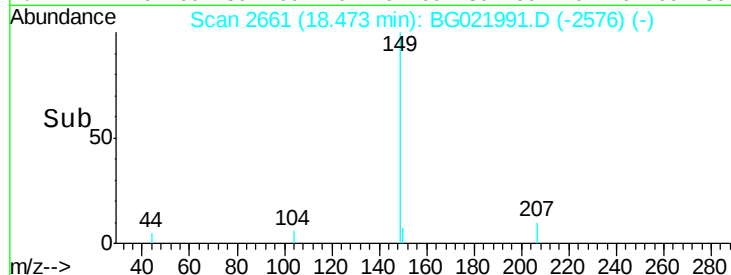
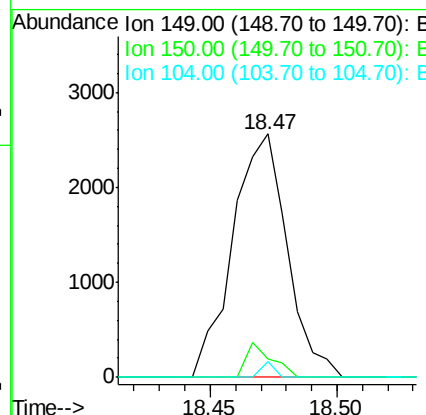
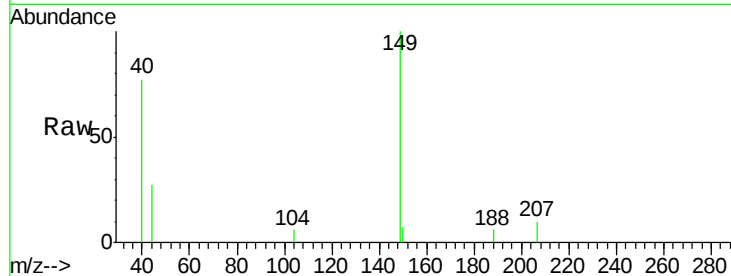




#74
Di-n-butylphthalate
Concen: 0.25 ng/ul
RT: 18.47 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BG021991.D
Acq: 22 May 2016 00:38

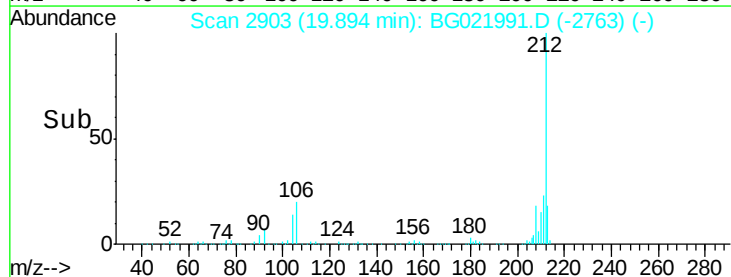
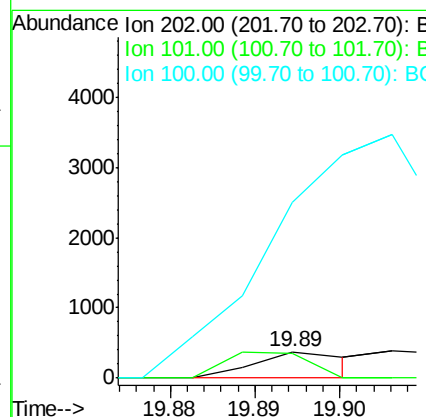
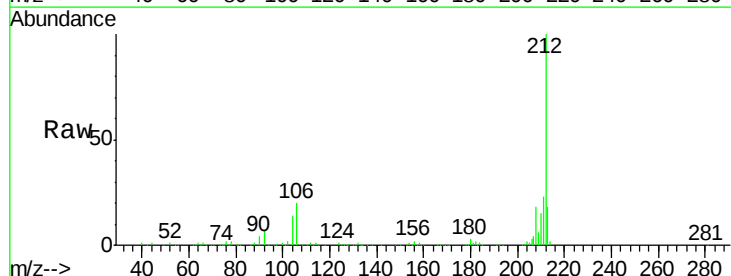
Instrument :
BNA_G
ClientSampleId :
BD4G7

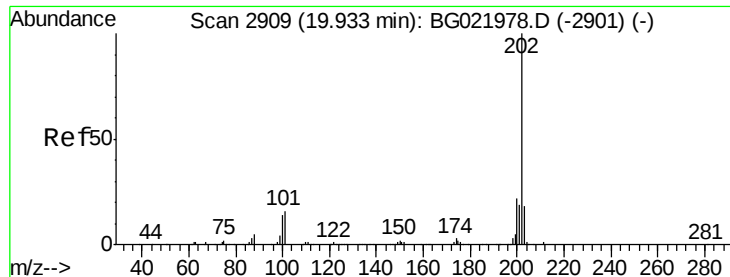
Tgt Ion:149 Resp: 3813
Ion Ratio Lower Upper
149 100
150 7.5 7.1 10.7
104 6.4 3.3 4.9#



#75
Fluoranthene
Concen: 0.02 ng/ul
RT: 19.89 min Scan# 2903
Delta R.T. 0.32 min
Lab File: BG021991.D
Acq: 22 May 2016 00:38

Tgt Ion:202 Resp: 288
Ion Ratio Lower Upper
202 100
101 92.7 10.6 16.0#
100 672.3 8.7 13.1#

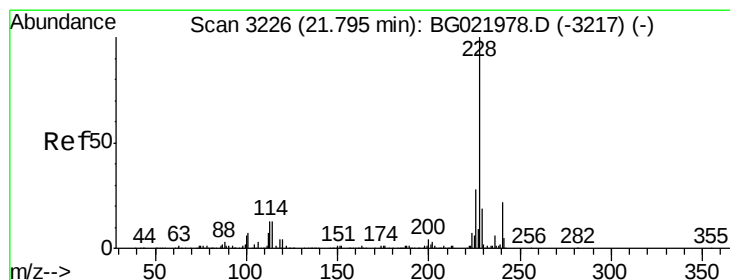
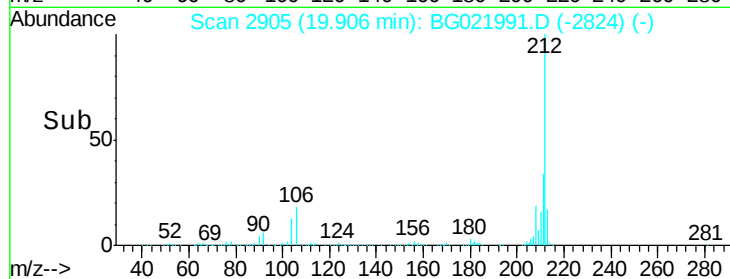
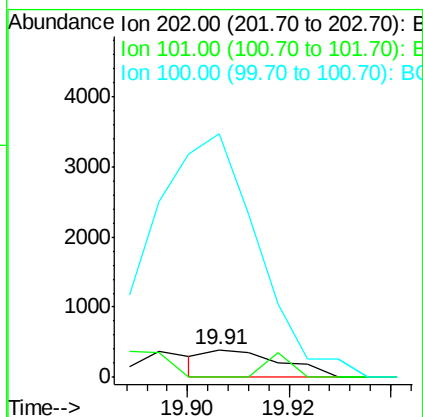
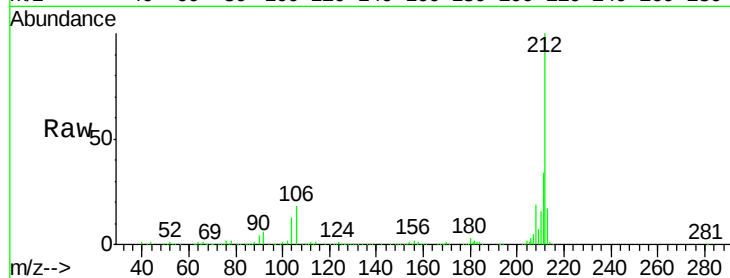




#78
 Pyrene
 Concen: 0.03 ng/ul
 RT: 19.91 min Scan# 2905
 Delta R.T. -0.03 min
 Lab File: BG021991.D
 Acq: 22 May 2016 00:38

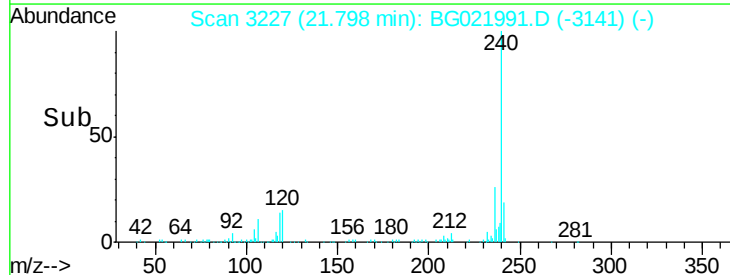
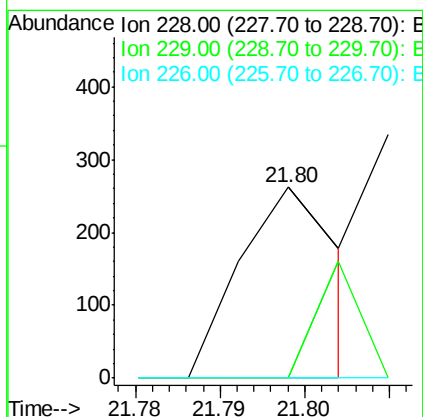
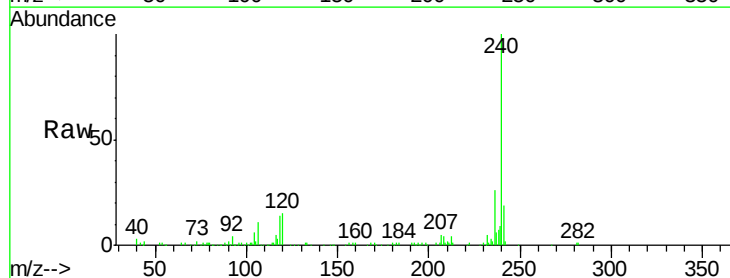
Instrument :
 BNA_G
 ClientSampleId :
 BD4G7

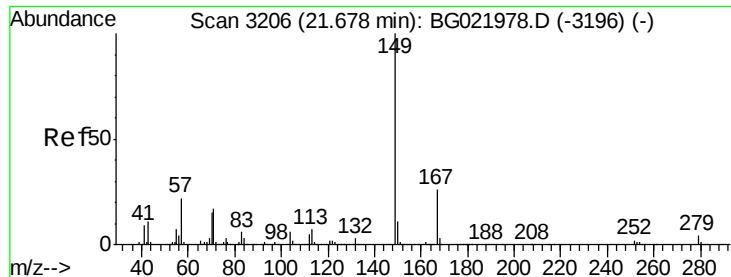
Tgt Ion:202 Resp: 399
 Ion Ratio Lower Upper
 202 100
 101 0.0 12.5 18.7#
 100 878.0 10.2 15.4#



#81
 Benzo(a)anthracene
 Concen: 0.02 ng/ul
 RT: 21.80 min Scan# 3227
 Delta R.T. 0.00 min
 Lab File: BG021991.D
 Acq: 22 May 2016 00:38

Tgt Ion:228 Resp: 211
 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: 0.06 ng/ul

RT: 21.66 min Scan# 3204

Delta R.T. -0.01 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

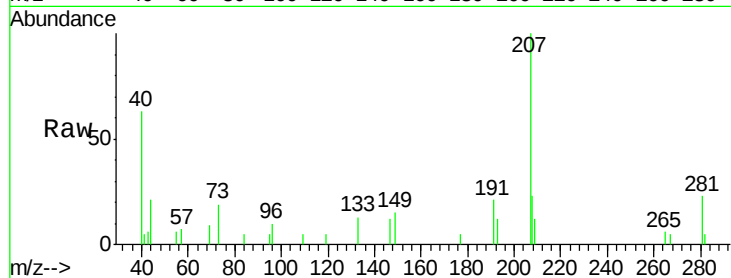
Instrument :

BNA_G

ClientSampleId :

BD4G7

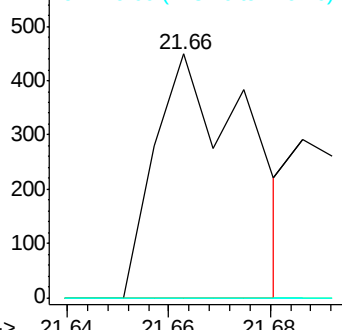
Tgt Ion:	149	Resp:	567
Ion Ratio	Lower	Upper	
149	100		
167	0.0	21.9	32.9#
279	0.0	2.9	4.3#



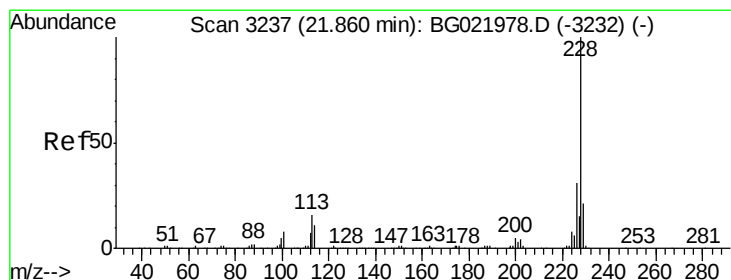
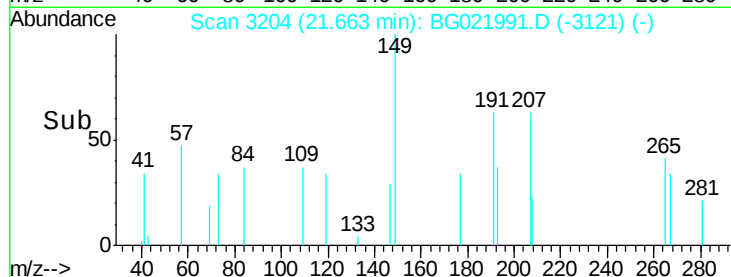
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.64 21.66 21.68



#83

Chrysene

Concen: 0.02 ng/ul

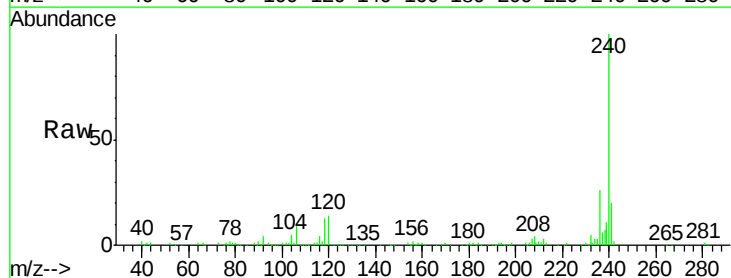
RT: 21.81 min Scan# 3229

Delta R.T. -0.05 min

Lab File: BG021991.D

Acq: 22 May 2016 00:38

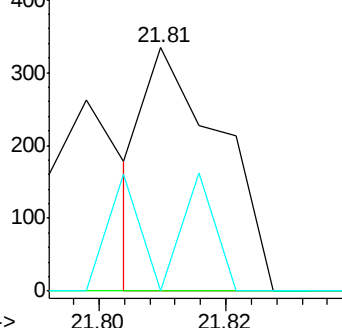
Tgt Ion:	228	Resp:	273
Ion Ratio	Lower	Upper	
228	100		
226	0.0	24.2	36.4#
229	0.0	15.0	22.6#



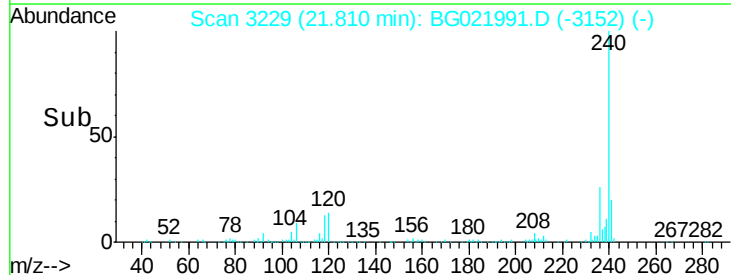
Abundance Ion 228.00 (227.70 to 228.70): E

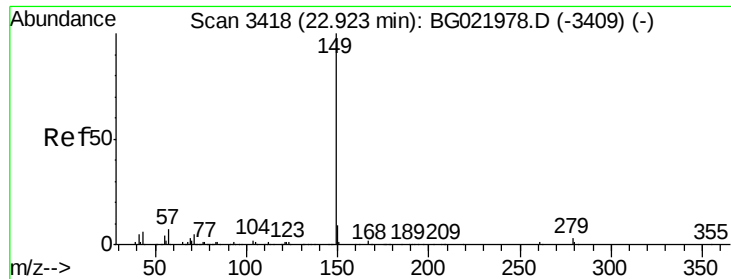
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.80 21.82

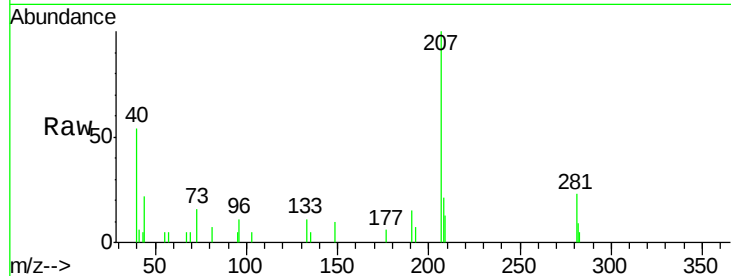




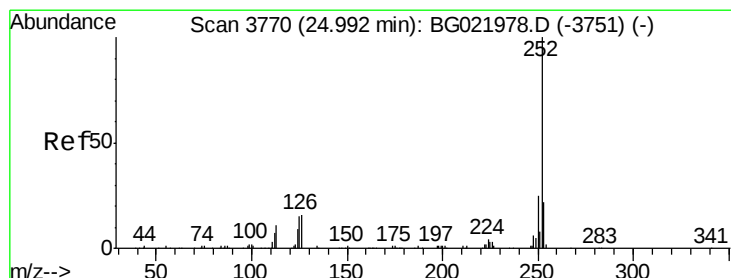
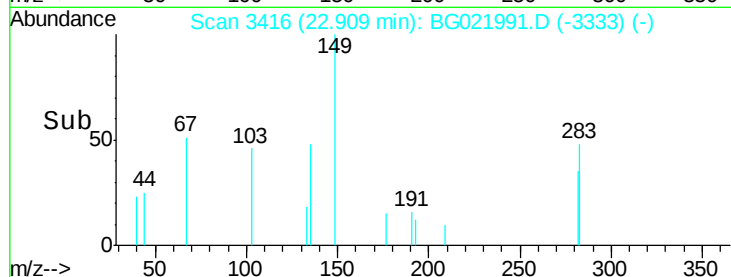
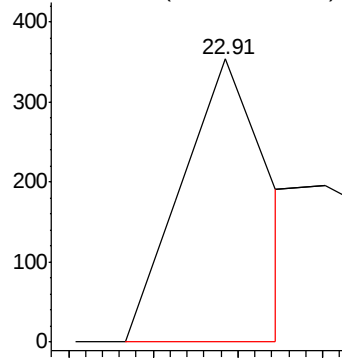
#85
Di-n-octyl phthalate
Concen: 0.02 ng/ul
RT: 22.91 min Scan# 3416
Delta R.T. -0.01 min
Lab File: BG021991.D
Acq: 22 May 2016 00:38

Instrument :
BNA_G
ClientSampleId :
BD4G7

Tgt Ion:149 Resp: 253

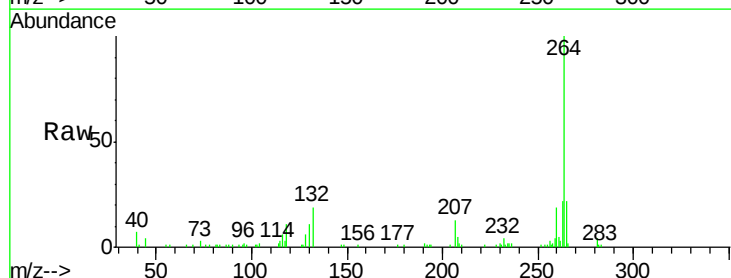


Abundance Ion 149.00 (148.70 to 149.70): E



#89
Benzo(a)pyrene
Concen: 0.01 ng/ul
RT: 24.95 min Scan# 3763
Delta R.T. -0.04 min
Lab File: BG021991.D
Acq: 22 May 2016 00:38

Tgt Ion:252 Resp: 117
Ion Ratio Lower Upper
252 100
253 0.0 19.0 28.4#
125 0.0 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

