

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021983.D
 Acq On : 21 May 2016 19:15
 Operator : UM/SJ
 Sample : H3146-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SBLK76

Quant Time: May 22 06:43:57 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	38333	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	191953	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	109519	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	227115	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	205894	20.00	ng/ul	0.00
84) Perylene-d12	25.14	264	184865	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	1369	1.86	ng/uL	0.00
5) Phenol-d5	7.31	99	28135	8.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	56309	31.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	76706	26.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	52885	18.00	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	45969	32.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	50137	32.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	79397	28.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	1010	0.34	ng/ul	0.01
44) Dimethylphthalate-d6	14.18	166	281041	34.16	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	385876	33.59	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	2134	1.51	ng/ul	0.02
58) Fluorene-d10	15.77	176	253399	32.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	31216	26.29	ng/ul	0.00
71) Anthracene-d10	17.63	188	367312	33.60	ng/ul	0.00
77) Pyrene-d10	19.90	212	395237	34.04	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	298782	34.83	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.56	88	201	0.15 ng/uL#	30
4) Benzaldehyde	7.69	77	1393	0.73 ng/ul#	81
8) Bis(2-Chloroethyl)ether	7.57	93	301	0.12 ng/ul#	79
15) N-Nitroso-di-n-propylamine	8.86	70	935	0.44 ng/ul#	1
17) Hexachloroethane	8.86	117	115	0.10 ng/ul#	10
21) Isophorone	9.89	82	61	0.01 ng/ul#	64
28) Naphthalene	10.60	128	64	0.01 ng/ul#	1
43) 2-Nitroaniline	14.18	65	687	0.45 ng/ul#	1
45) Dimethylphthalate	14.18	163	145	0.02 ng/ul#	1
46) 2,6-Dinitrotoluene	14.79	165	14738	8.31 ng/ul#	34
49) 3-Nitroaniline	14.23	138	326	0.20 ng/ul#	6
55) 2,4-Dinitrotoluene	14.79	165	14738	6.16 ng/ul#	46
57) Diethylphthalate	15.58	149	557	0.06 ng/ul#	60
59) Fluorene	15.77	166	604	0.07 ng/ul#	5
65) N-Nitrosodiphenylamine	15.91	169	57	0.01 ng/ul#	21
74) Di-n-butylphthalate	18.47	149	1060	0.07 ng/ul#	79
75) Fluoranthene	19.91	202	523	0.04 ng/ul#	1
78) Pyrene	19.91	202	523	0.04 ng/ul#	1
79) Butylbenzylphthalate	20.81	149	59	0.01 ng/ul#	25
81) Benzo(a)anthracene	21.80	228	369	0.03 ng/ul#	51
82) Bis(2-ethylhexyl)phthalate	21.67	149	946	0.10 ng/ul#	84
83) Chrysene	21.85	228	157	0.01 ng/ul#	50
85) Di-n-octyl phthalate	22.92	149	697	0.05 ng/ul	100

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Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 06:41:14 2016
Response via : Initial Calibration

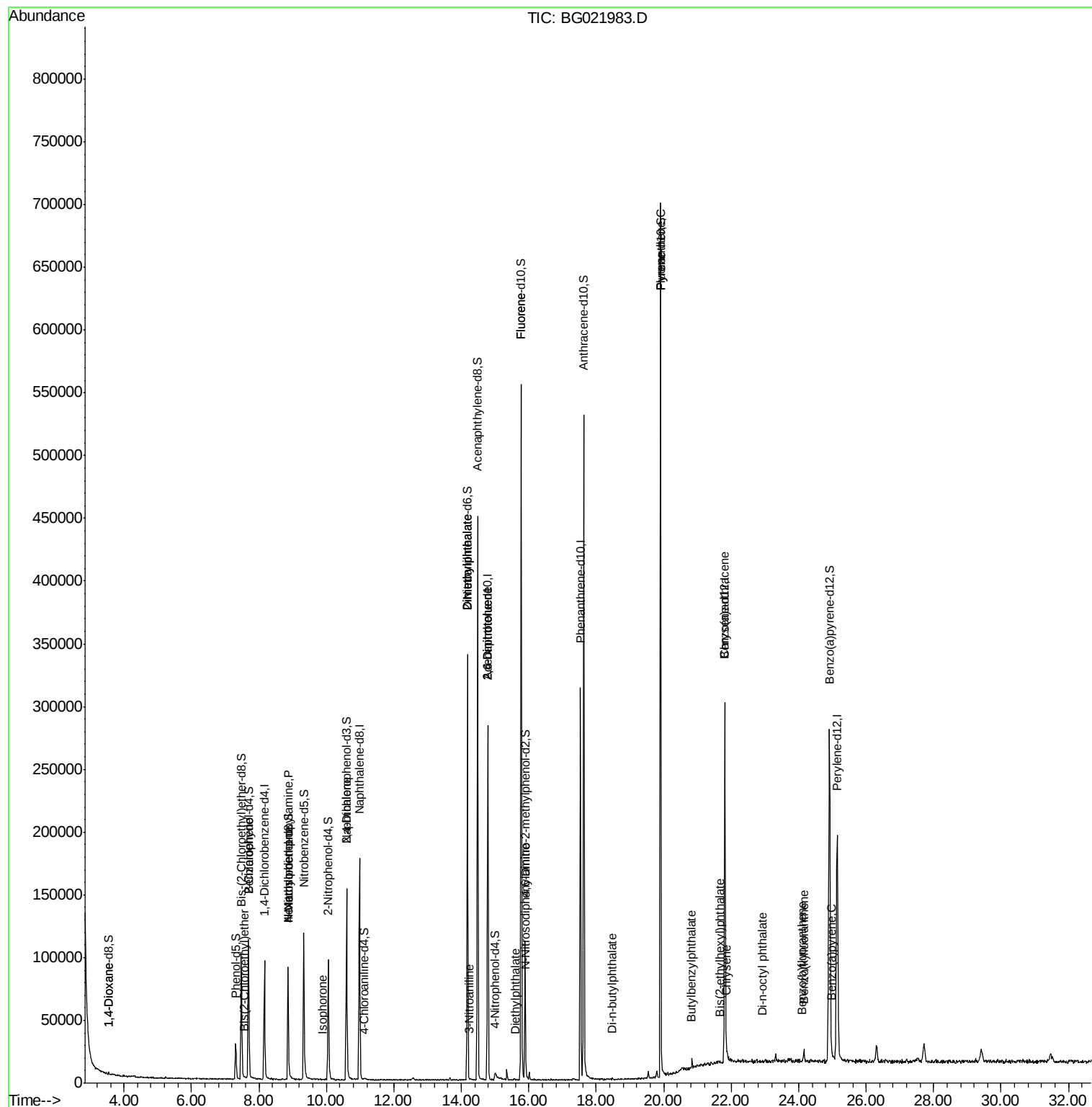
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Benzo(b)fluoranthene	24.09	252	200	0.02	ng/ul#	58
87) Benzo(k)fluoranthene	24.15	252	53	0.00	ng/ul#	1
89) Benzo(a)pyrene	24.97	252	84	0.01	ng/ul#	56

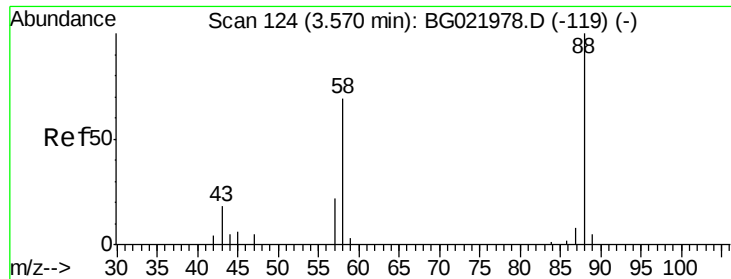
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.15 ng/uL

RT: 3.56 min Scan# 122

Delta R.T. -0.01 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampleId :

SBLK76

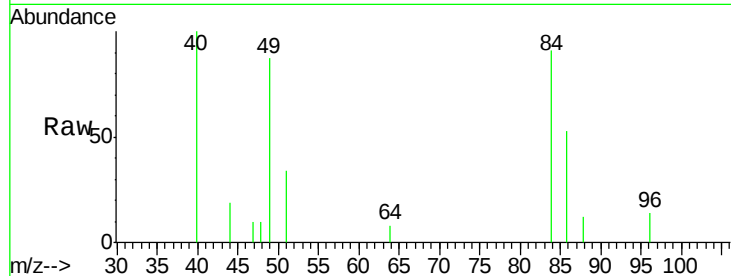
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 0.0 16.6 24.8#

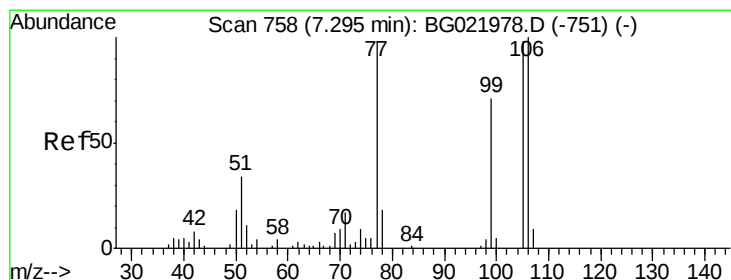
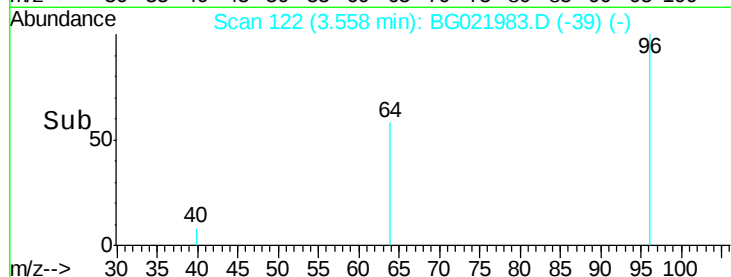
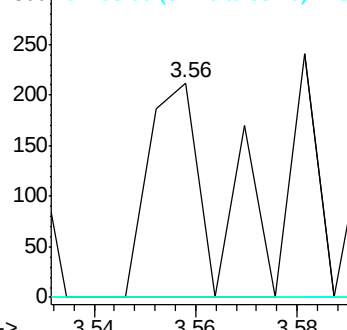
58 0.0 47.2 70.8#



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: 0.73 ng/uL

RT: 7.69 min Scan# 826

Delta R.T. 0.40 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

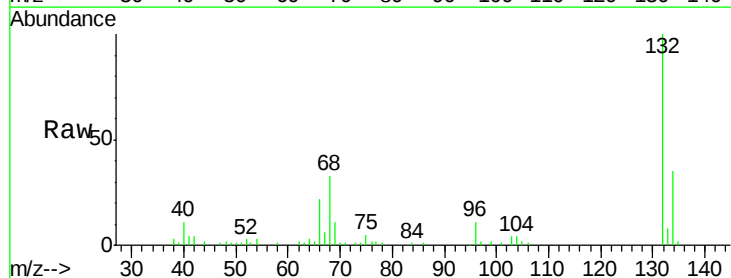
Tgt Ion: 77 Resp: 1393

Ion Ratio Lower Upper

77 100

105 92.9 83.8 125.8

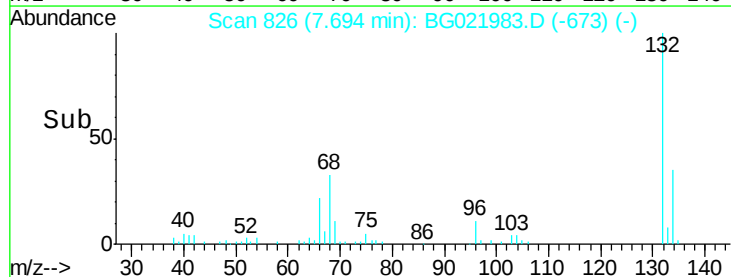
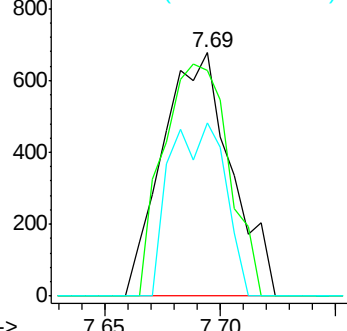
106 71.0 77.9 116.9#

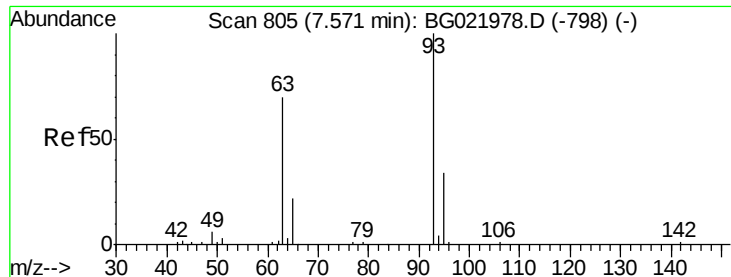


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



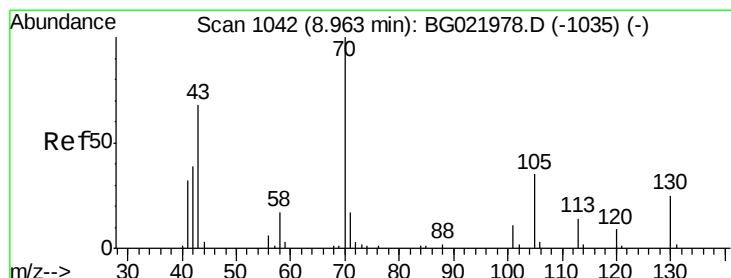
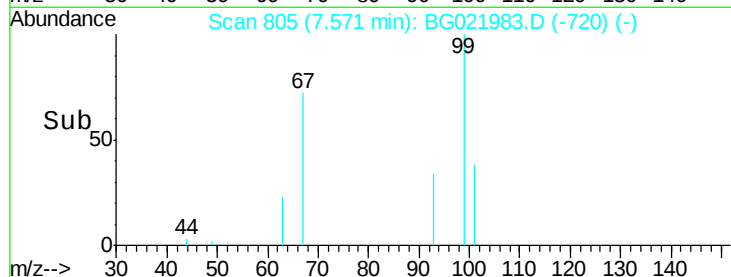
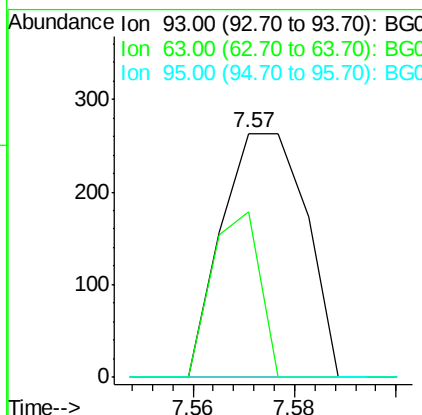
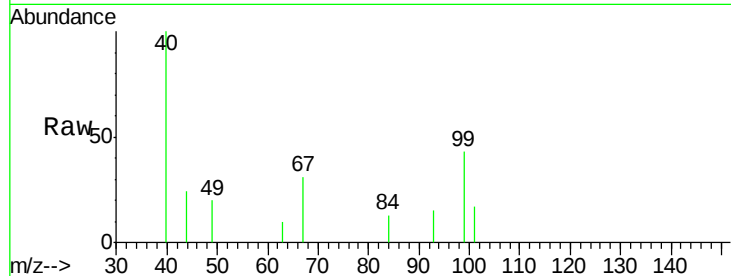


#8

Bis(2-Chloroethyl)ether
 Concen: 0.12 ng/ul
 RT: 7.57 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BG021983.D
 Acq: 21 May 2016 19:15

Instrument :
 BNA_G
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 SBLK76

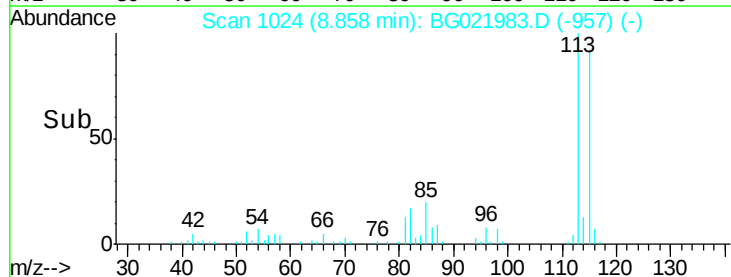
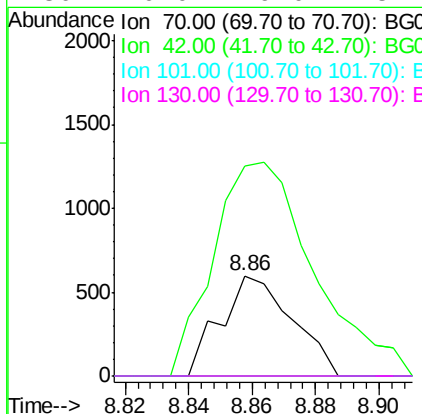
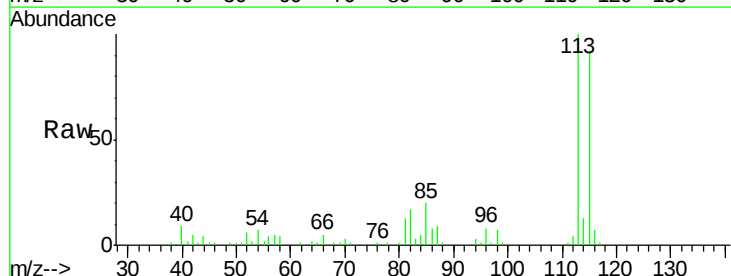
Tgt Ion: 93 Resp: 301
 Ion Ratio Lower Upper
 93 100
 63 68.1 56.0 84.0
 95 0.0 27.7 41.5#

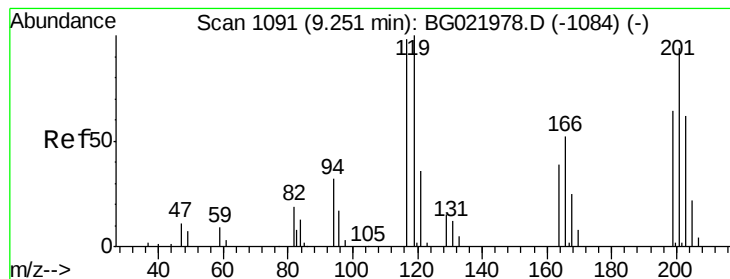


#15

N-Nitroso-di-n-propylamine
 Concen: 0.44 ng/ul
 RT: 8.86 min Scan# 1024
 Delta R.T. -0.11 min
 Lab File: BG021983.D
 Acq: 21 May 2016 19:15

Tgt Ion: 70 Resp: 935
 Ion Ratio Lower Upper
 70 100
 42 208.7 31.4 47.2#
 101 0.0 8.6 13.0#
 130 0.0 19.0 28.4#





#17

Hexachloroethane

Concen: 0.10 ng/ul

RT: 8.86 min Scan# 1024

Delta R.T. -0.39 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampleId :

SBLK76

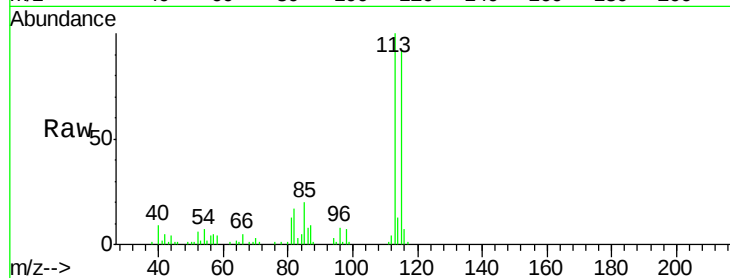
Tgt Ion:117 Resp: 115

Ion Ratio Lower Upper

117 100

201 0.0 76.8 115.2#

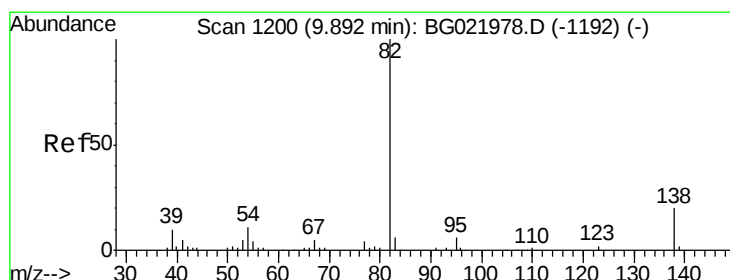
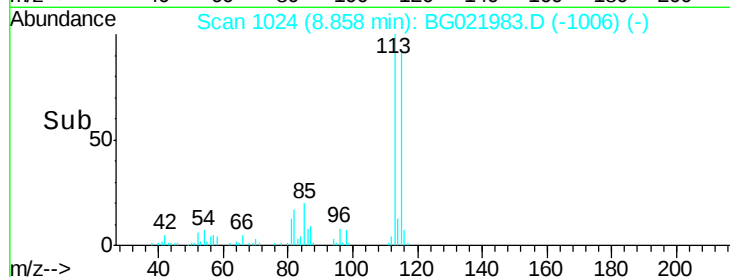
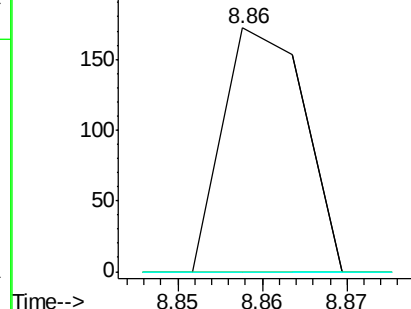
199 0.0 43.5 65.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#21

Isophorone

Concen: 0.01 ng/ul

RT: 9.89 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

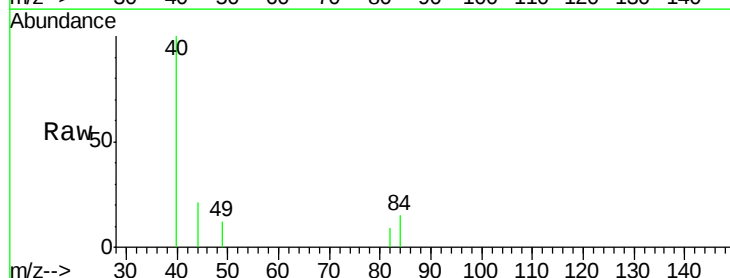
Tgt Ion: 82 Resp: 61

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

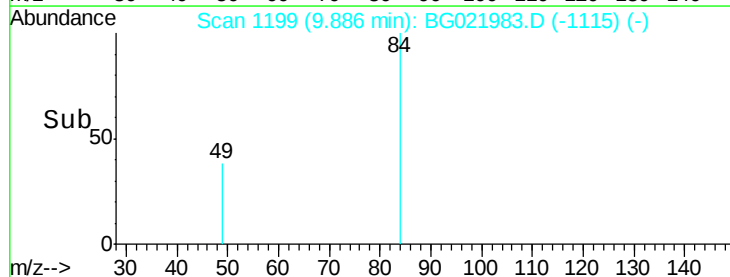
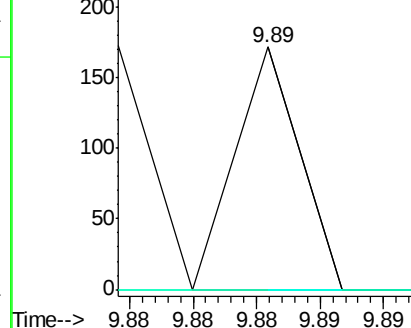
138 0.0 15.0 22.6#

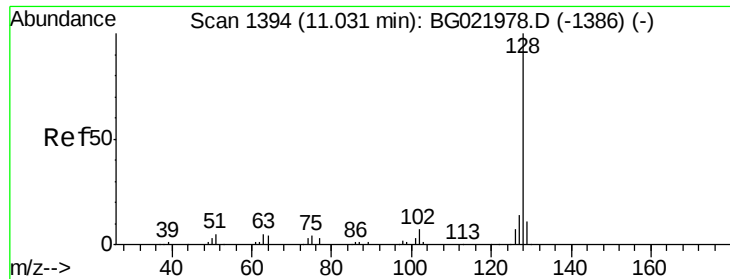


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): E

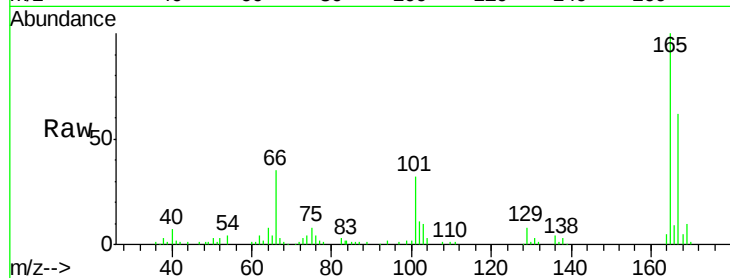




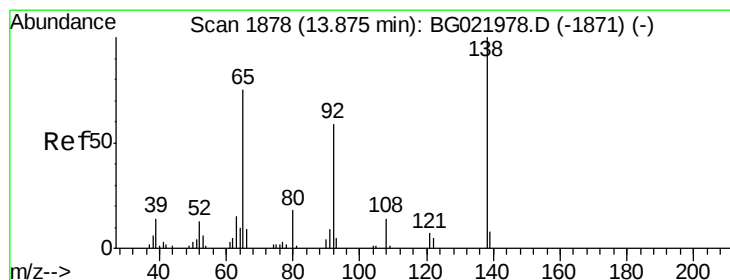
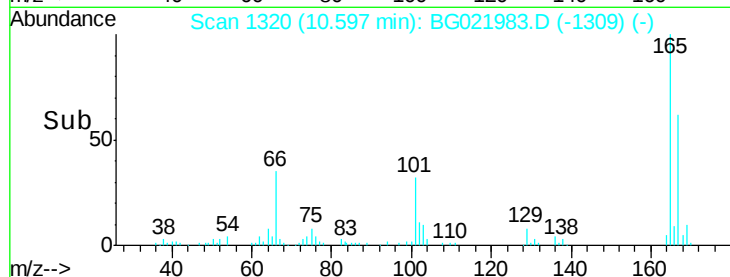
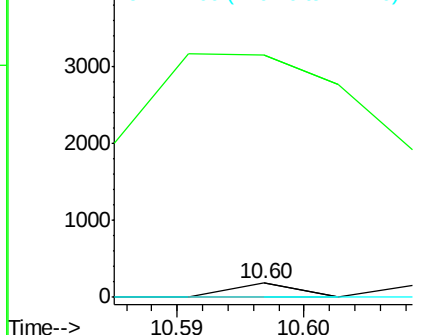
#28
Naphthalene
Concen: 0.01 ng/ul
RT: 10.60 min Scan# 1320
Delta R.T. -0.43 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Instrument :
BNA_G
ClientSampleId :
SBLK76

Tgt Ion:128 Resp: 64
Ion Ratio Lower Upper
128 100
129 1736.5 9.4 14.2#
127 0.0 11.2 16.8#

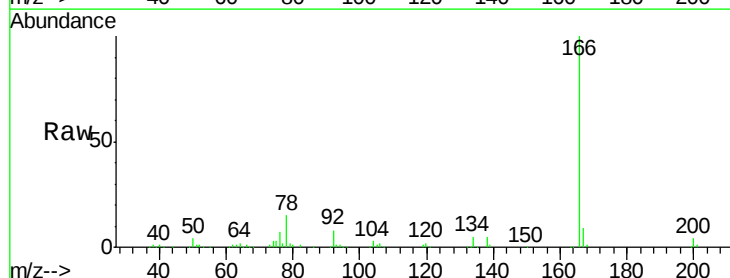


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

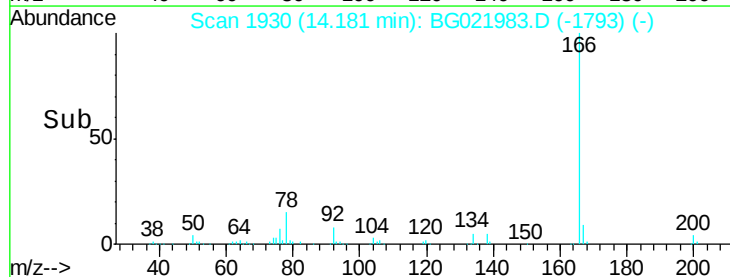
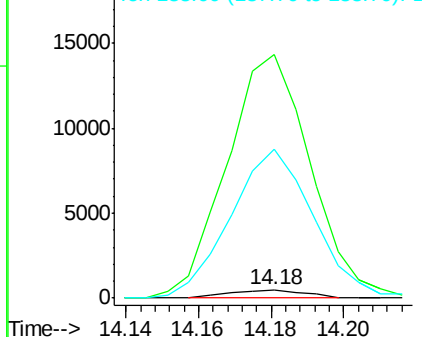


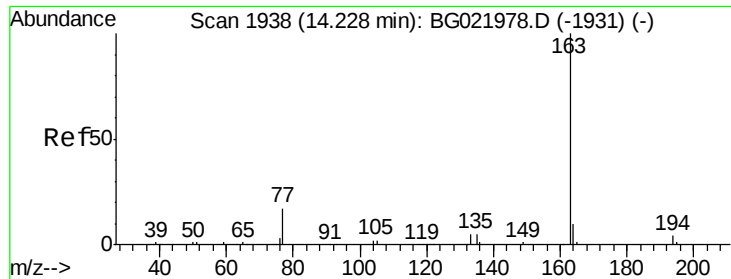
#43
2-Nitroaniline
Concen: 0.45 ng/ul
RT: 14.18 min Scan# 1930
Delta R.T. 0.31 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Tgt Ion: 65 Resp: 687
Ion Ratio Lower Upper
65 100
92 2866.4 67.1 100.7#
138 1756.6 109.6 164.4#



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# 1930

Delta R.T. -0.05 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampleId :

SBLK76

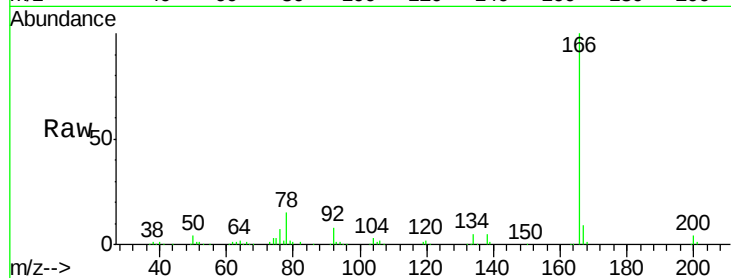
Tgt Ion:163 Resp: 145

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

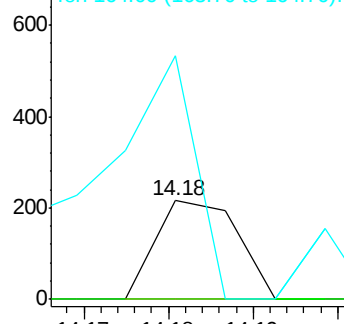
164 246.8 8.8 13.2#



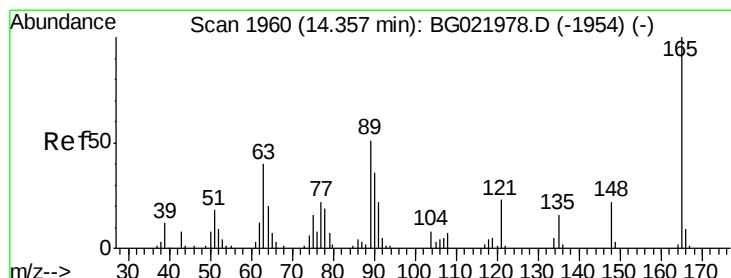
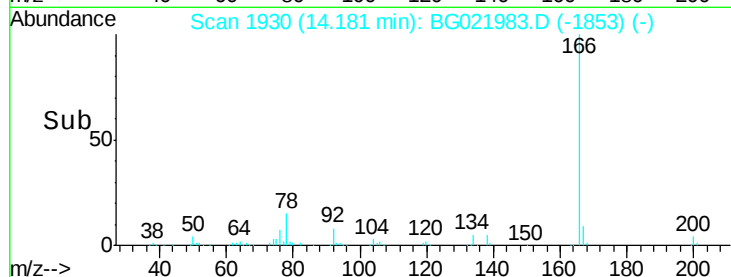
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#46

2,6-Dinitrotoluene

Concen: 8.31 ng/ul

RT: 14.79 min Scan# 2033

Delta R.T. 0.43 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

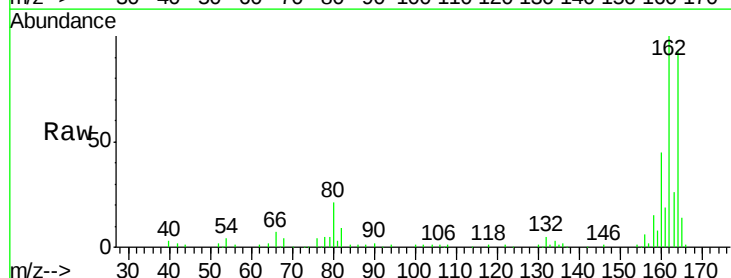
Tgt Ion:165 Resp: 14738

Ion Ratio Lower Upper

165 100

89 0.0 41.5 62.3#

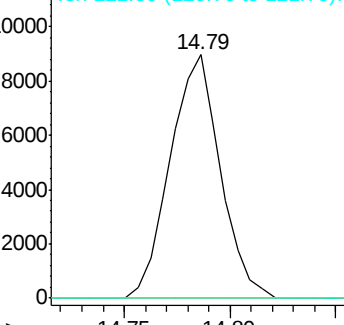
121 0.0 17.0 25.4#



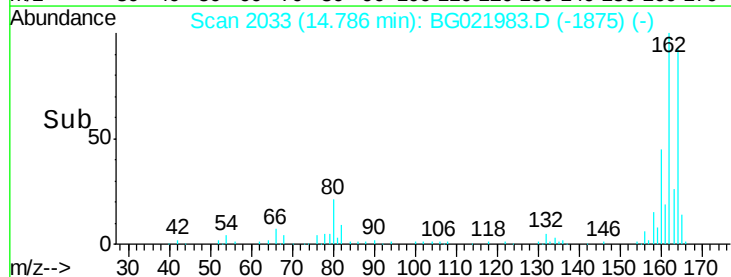
Abundance Ion 165.00 (164.70 to 165.70): E

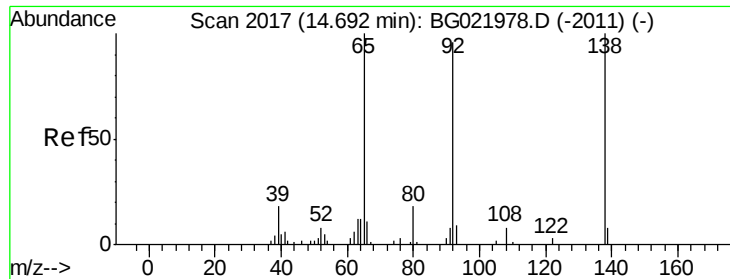
Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E



Time-->





#49

3-Nitroaniline

Concen: 0.20 ng/ul

RT: 14.23 min Scan# 1939

Delta R.T. -0.46 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampled :

SBLK76

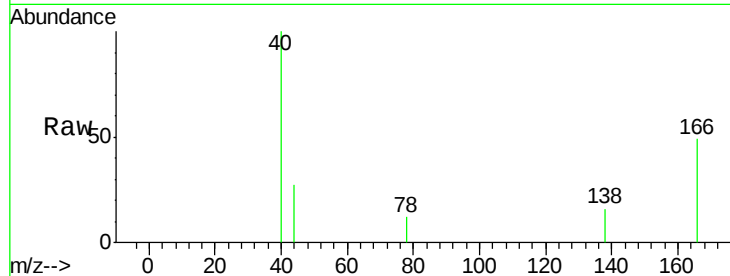
Tgt Ion:138 Resp: 326

Ion Ratio Lower Upper

138 100

108 0.0 6.2 9.2#

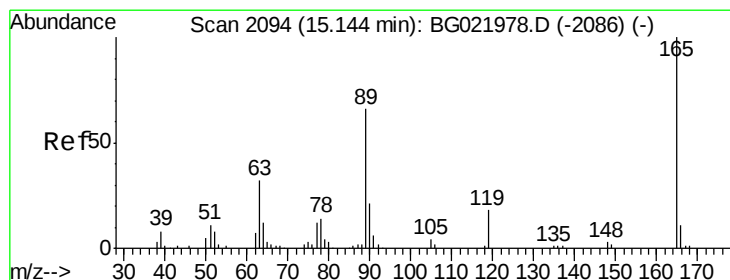
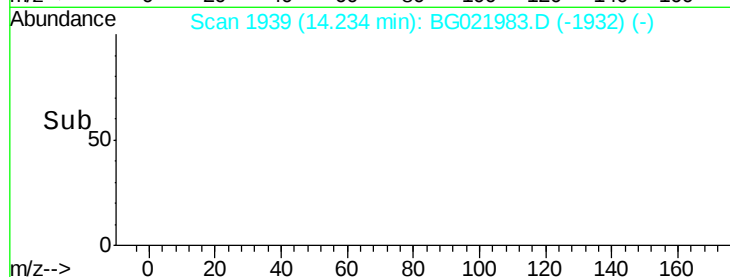
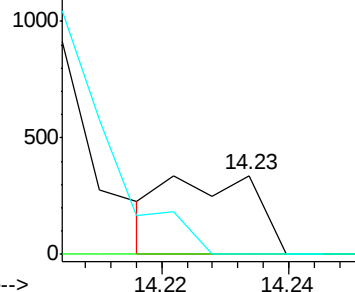
92 0.0 79.3 118.9#



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: 6.16 ng/ul

RT: 14.79 min Scan# 2033

Delta R.T. -0.36 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

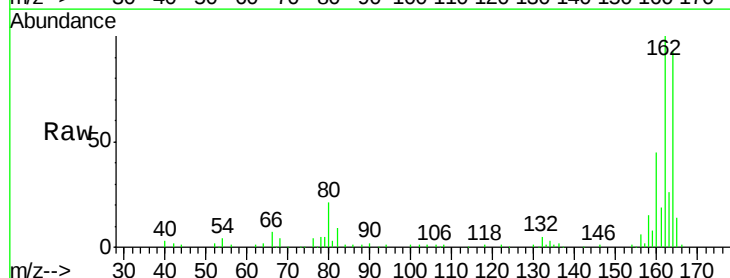
Tgt Ion:165 Resp: 14738

Ion Ratio Lower Upper

165 100

63 0.0 25.7 38.5#

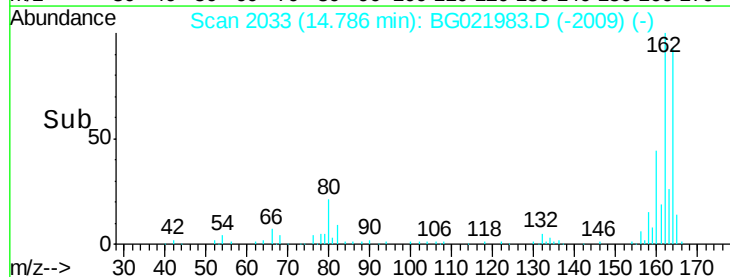
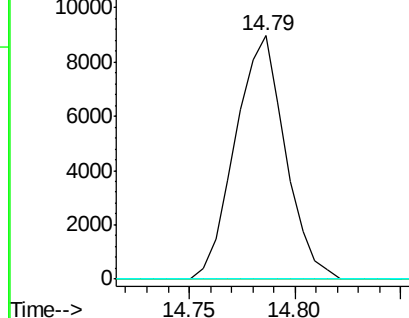
182 0.0 2.1 3.1#

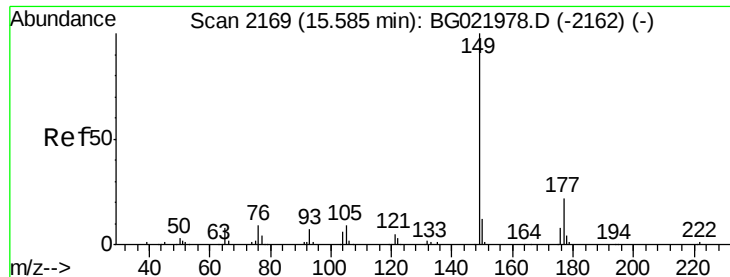


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E

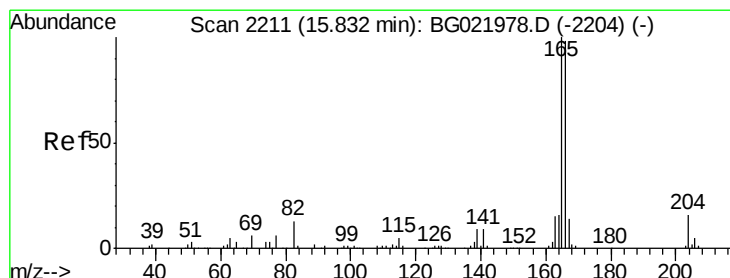
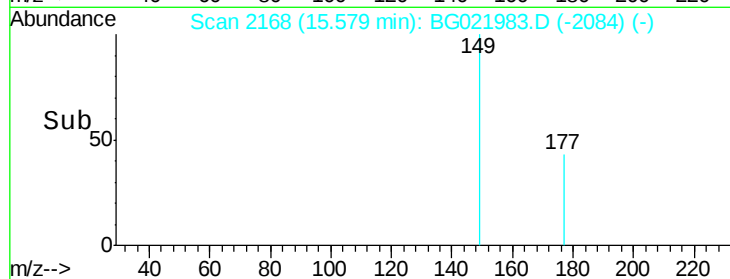
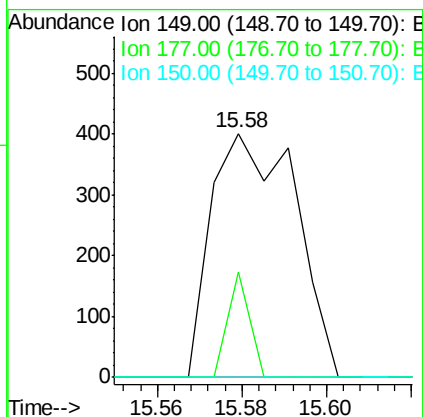
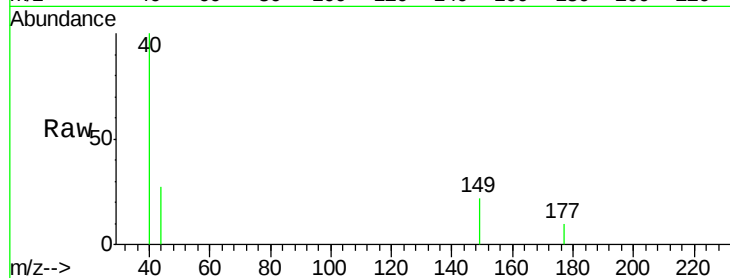




#57
Diethylphthalate
Concen: 0.06 ng/ul
RT: 15.58 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

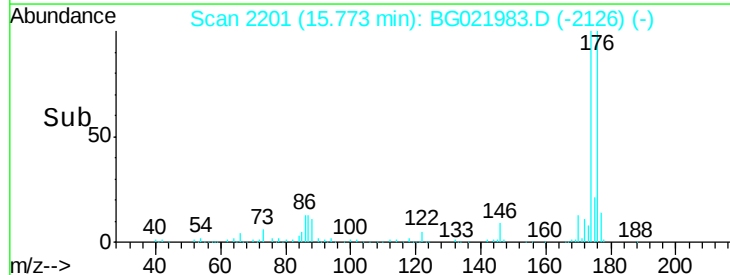
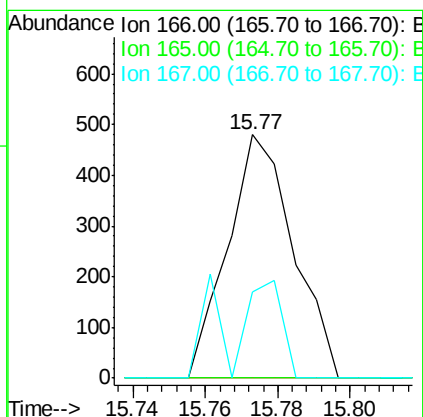
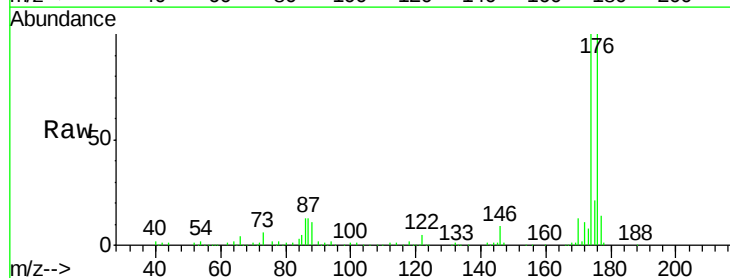
Instrument :
BNA_G
ClientSampled :
SBLK76

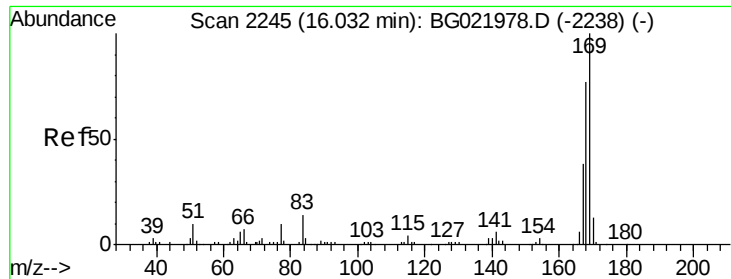
Tgt Ion:149 Resp: 557
Ion Ratio Lower Upper
149 100
177 43.4 17.4 26.2#
150 0.0 9.6 14.4#



#59
Fluorene
Concen: 0.07 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. -0.06 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Tgt Ion:166 Resp: 604
Ion Ratio Lower Upper
166 100
165 0.0 80.3 120.5#
167 35.4 10.3 15.5#





#65

N-Nitrosodiphenylamine

Concen: 0.01 ng/ul

RT: 15.91 min Scan# 2224

Delta R.T. -0.12 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampleId :

SBLK76

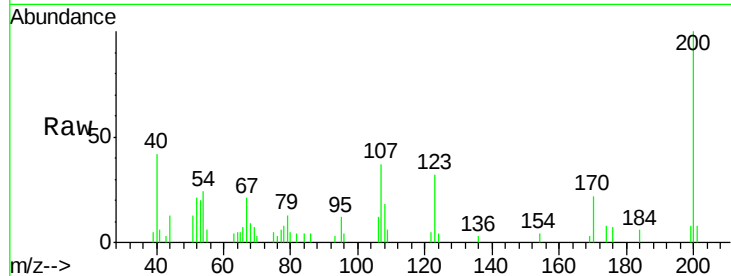
Tgt Ion:169 Resp: 57

Ion Ratio Lower Upper

169 100

168 0.0 59.0 88.6#

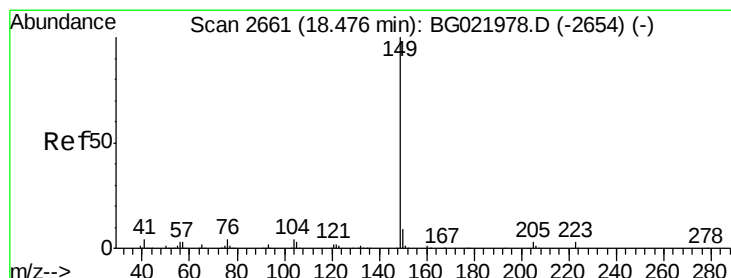
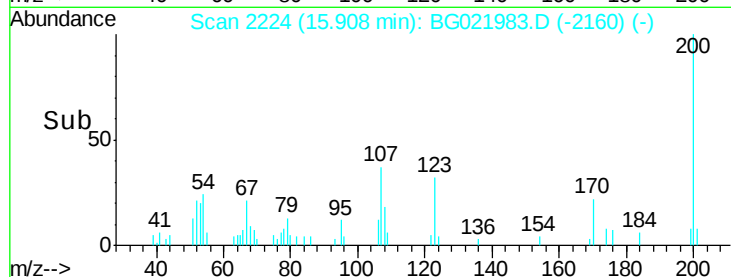
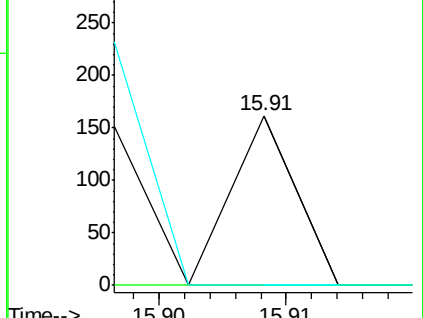
167 0.0 30.6 46.0#



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: 0.07 ng/ul

RT: 18.47 min Scan# 2660

Delta R.T. -0.01 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

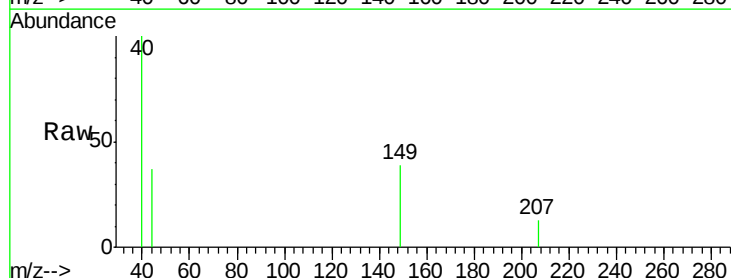
Tgt Ion:149 Resp: 1060

Ion Ratio Lower Upper

149 100

150 0.0 7.1 10.7#

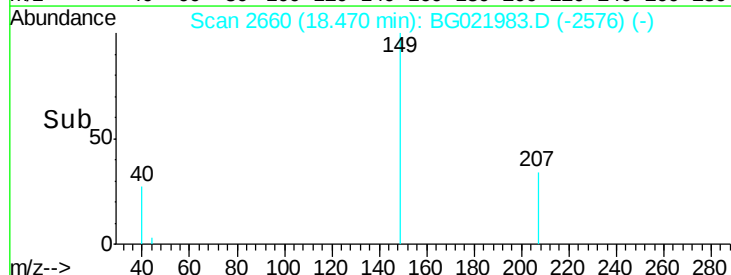
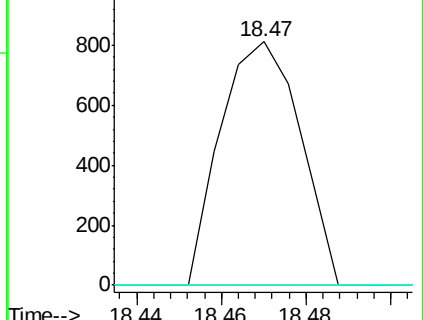
104 0.0 3.3 4.9#

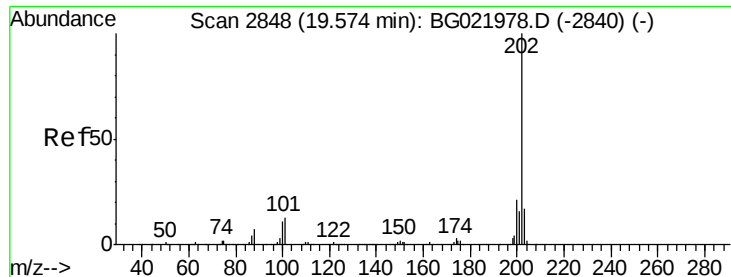


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.04 ng/ul

RT: 19.91 min Scan# 2905

Delta R.T. 0.33 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampleId :

SBLK76

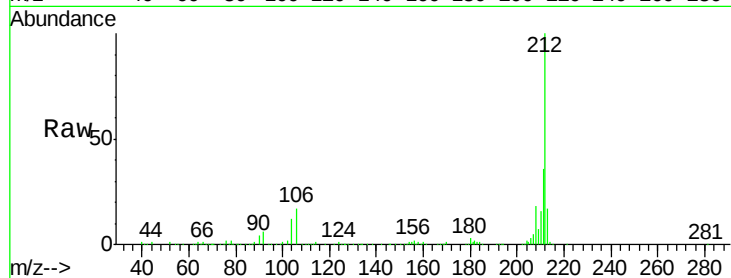
Tgt Ion:202 Resp: 523

Ion Ratio Lower Upper

202 100

101 0.0 10.6 16.0#

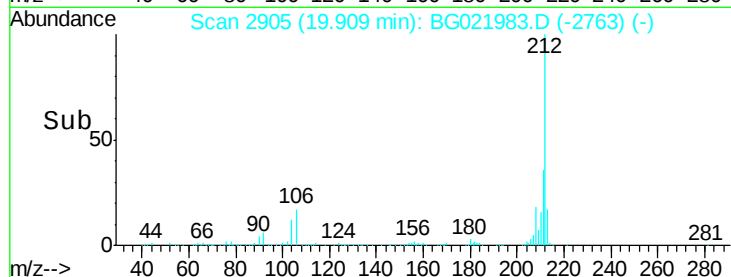
100 682.2 8.7 13.1#



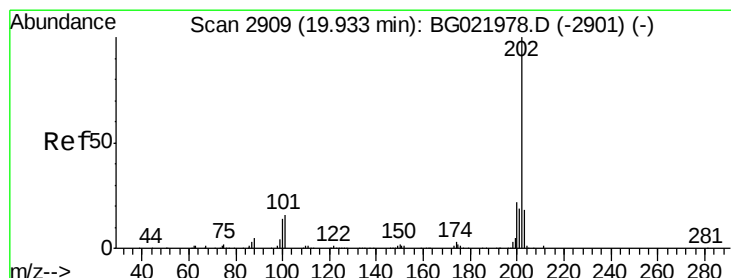
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#78

Pyrene

Concen: 0.04 ng/ul

RT: 19.91 min Scan# 2905

Delta R.T. -0.02 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

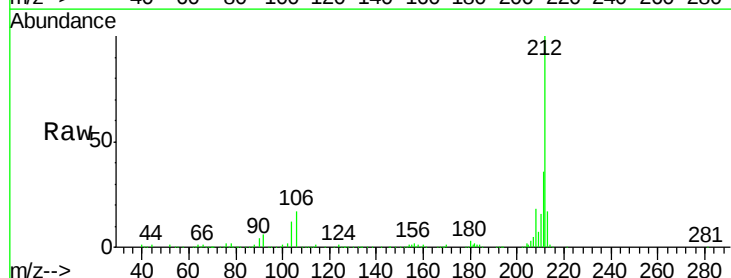
Tgt Ion:202 Resp: 523

Ion Ratio Lower Upper

202 100

101 0.0 12.5 18.7#

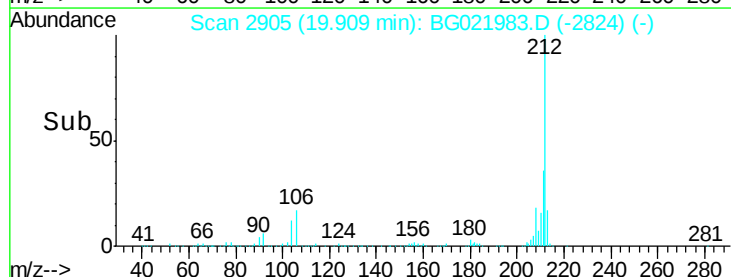
100 682.2 10.2 15.4#



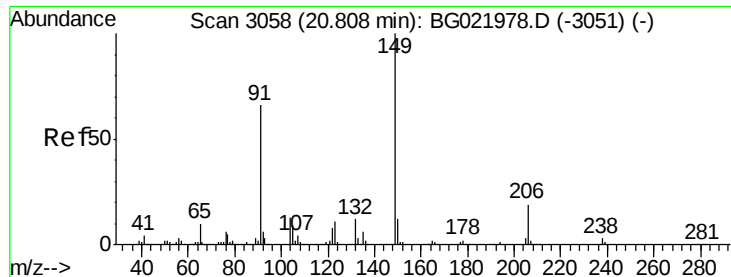
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#79

Butylbenzylphthalate

Concen: 0.01 ng/ul

RT: 20.81 min Scan# 3058

Delta R.T. 0.00 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

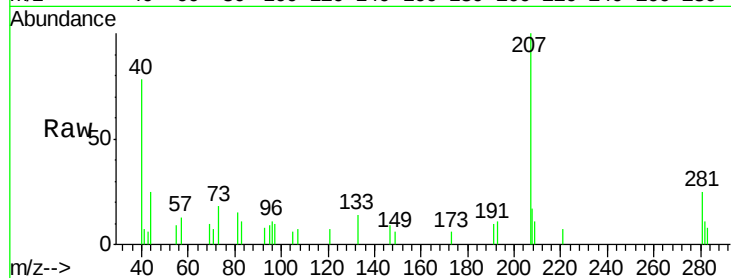
Instrument :

BNA_G

ClientSampleId :

SBLK76

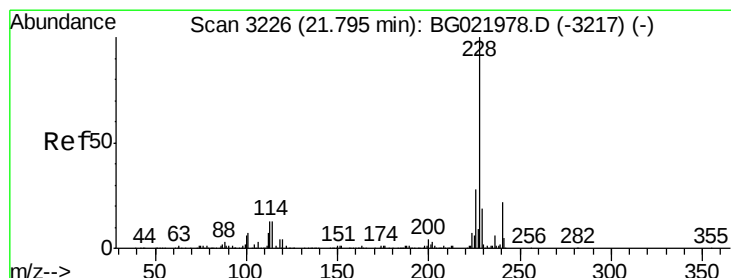
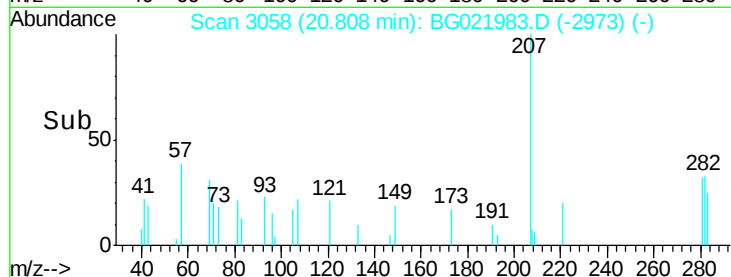
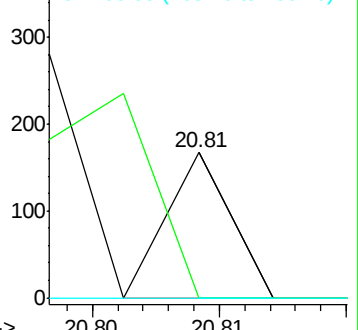
Tgt Ion:	149	Resp:	59
Ion	Ratio	Lower	Upper
149	100		
91	0.0	54.2	81.4#
206	0.0	14.1	21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BGC

Ion 206.00 (205.70 to 206.70): E



#81

Benzo(a)anthracene

Concen: 0.03 ng/ul

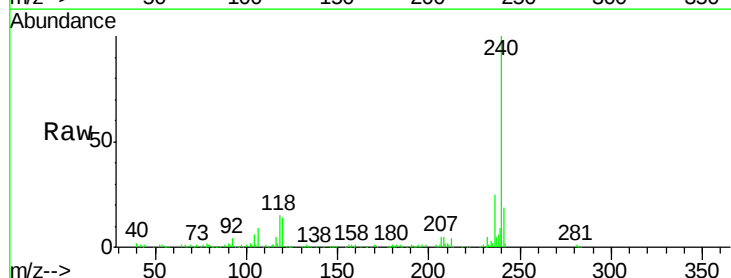
RT: 21.80 min Scan# 3227

Delta R.T. 0.01 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

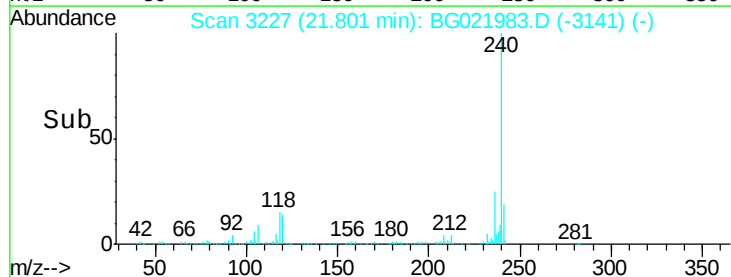
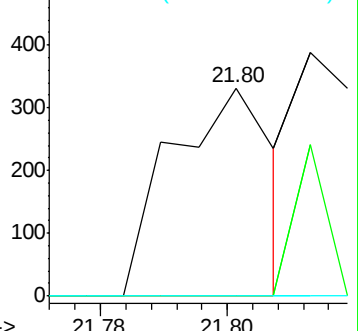
Tgt Ion:	228	Resp:	369
Ion	Ratio	Lower	Upper
228	100		
229	0.0	15.4	23.2#
226	0.0	22.8	34.2#

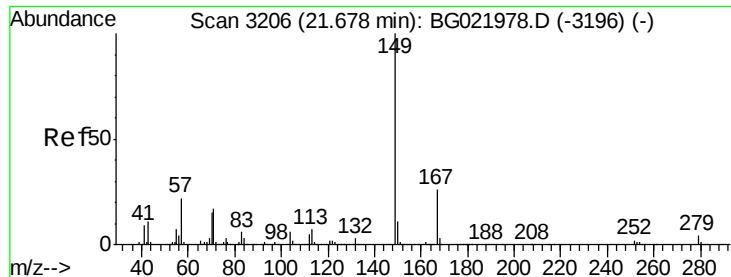


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng/ul

RT: 21.67 min Scan# 3205

Delta R.T. -0.01 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

Instrument :

BNA_G

ClientSampleId :

SBLK76

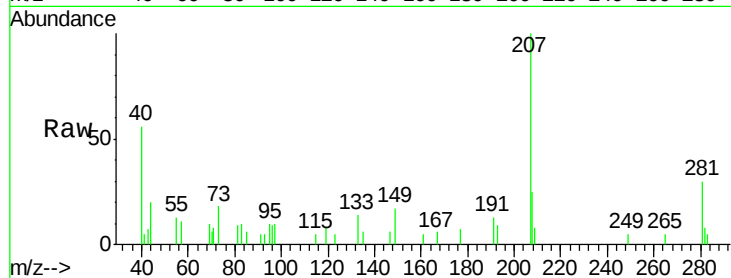
Tgt Ion:149 Resp: 946

Ion Ratio Lower Upper

149 100

167 36.0 21.9 32.9#

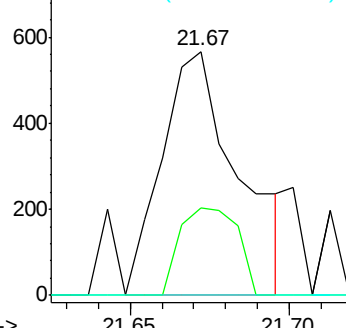
279 0.0 2.9 4.3#



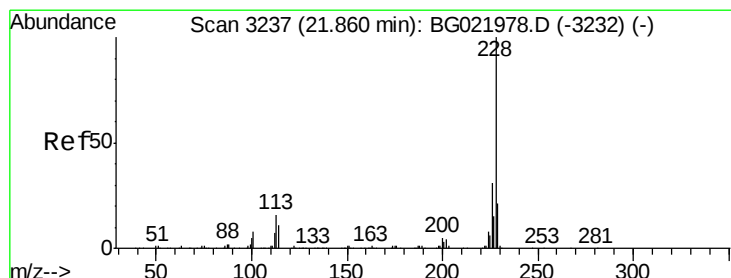
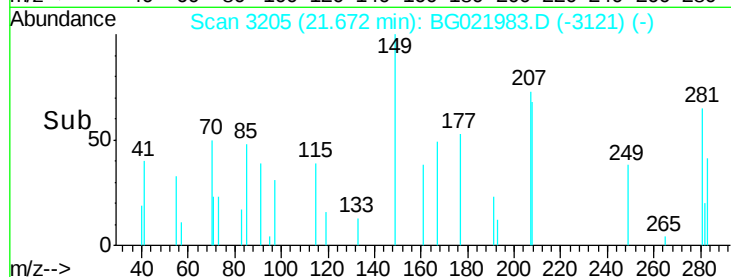
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#83

Chrysene

Concen: 0.01 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. -0.01 min

Lab File: BG021983.D

Acq: 21 May 2016 19:15

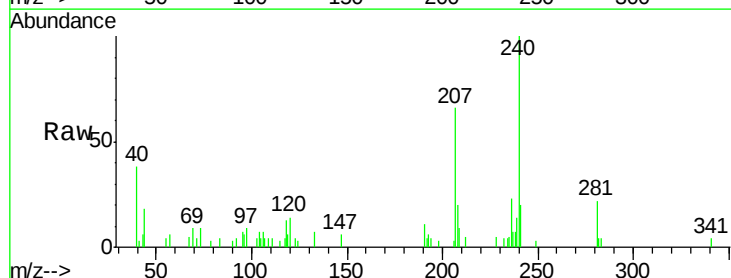
Tgt Ion:228 Resp: 157

Ion Ratio Lower Upper

228 100

226 0.0 24.2 36.4#

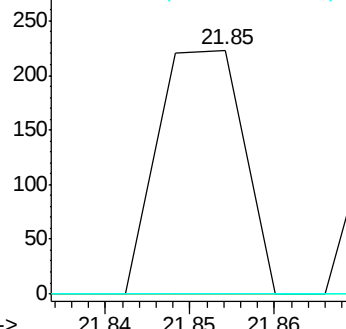
229 0.0 15.0 22.6#



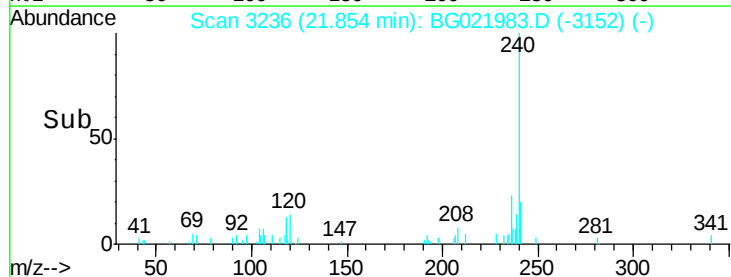
Abundance Ion 228.00 (227.70 to 228.70): E

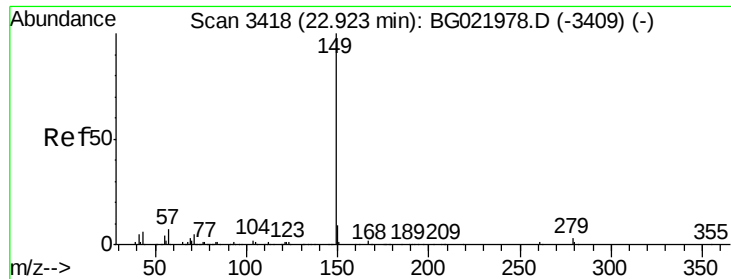
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

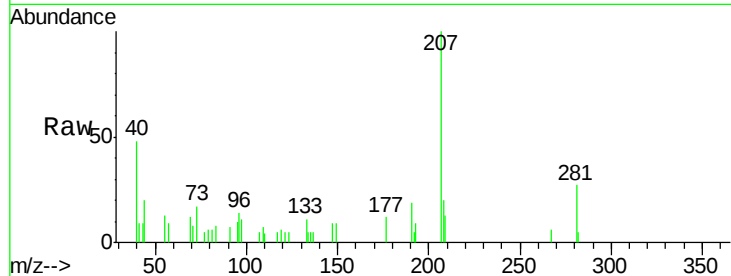




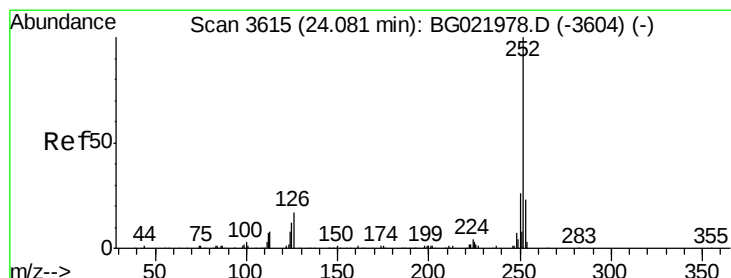
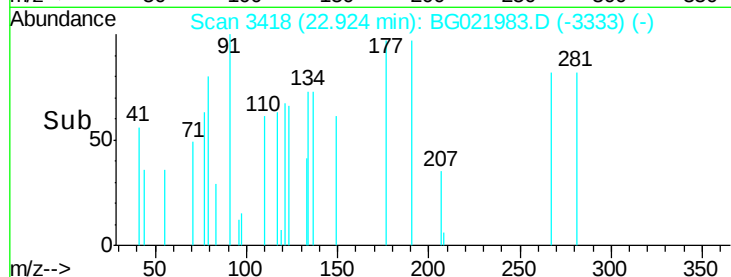
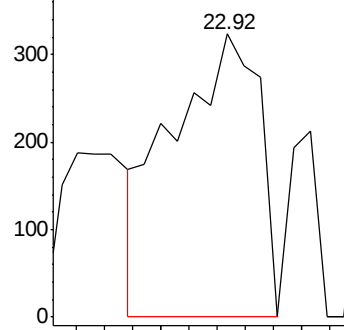
#85
Di-n-octyl phthalate
Concen: 0.05 ng/ul
RT: 22.92 min Scan# 3418
Delta R.T. 0.00 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Instrument :
BNA_G
ClientSampleId :
SBLK76

Tgt Ion:149 Resp: 697

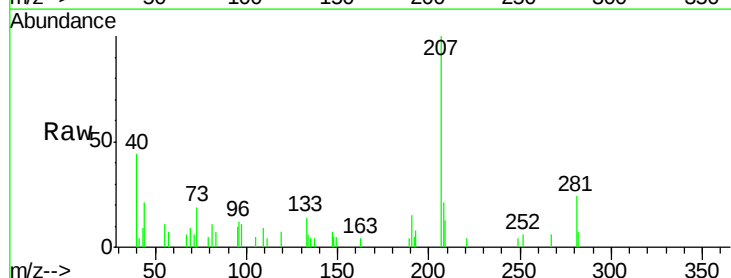


Abundance Ion 149.00 (148.70 to 149.70): E

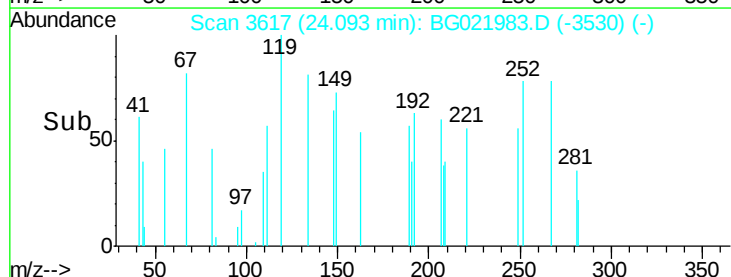
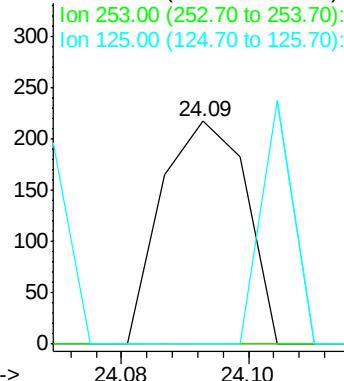


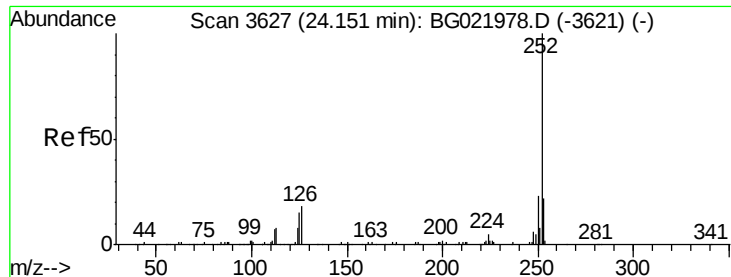
#86
Benzo(b)fluoranthene
Concen: 0.02 ng/ul
RT: 24.09 min Scan# 3617
Delta R.T. 0.01 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Tgt Ion:252 Resp: 200
Ion Ratio Lower Upper
252 100
253 0.0 18.2 27.2#
125 0.0 10.8 16.2#



Abundance Ion 252.00 (251.70 to 252.70): E

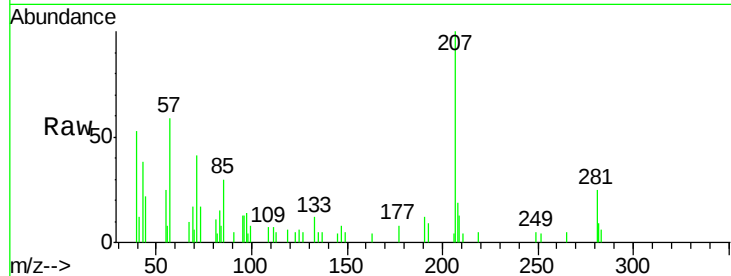




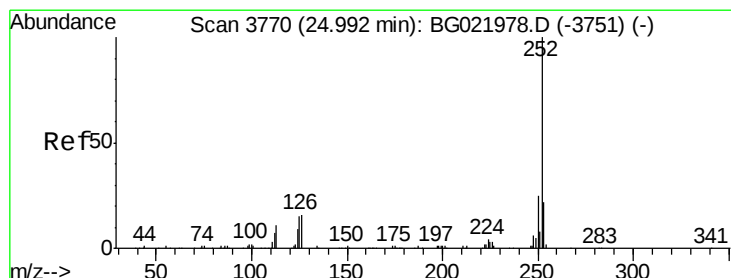
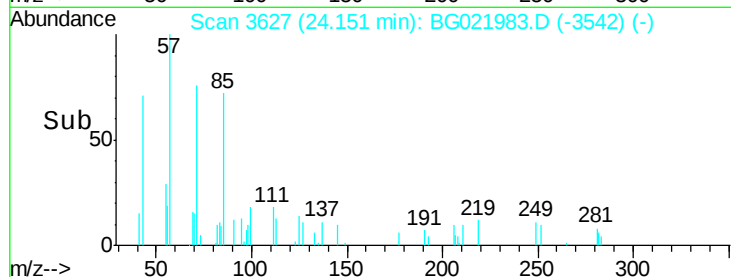
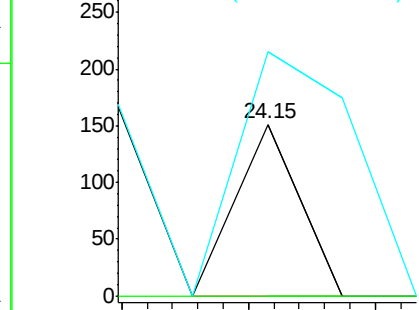
#87
Benzo(k)fluoranthene
Concen: 0.00 ng/u1
RT: 24.15 min Scan# 3627
Delta R.T. 0.00 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Instrument :
BNA_G
ClientSampleId :
SBLK76

Tgt Ion:252 Resp: 53
Ion Ratio Lower Upper
252 100
253 0.0 15.8 23.6#
125 142.4 10.6 16.0#

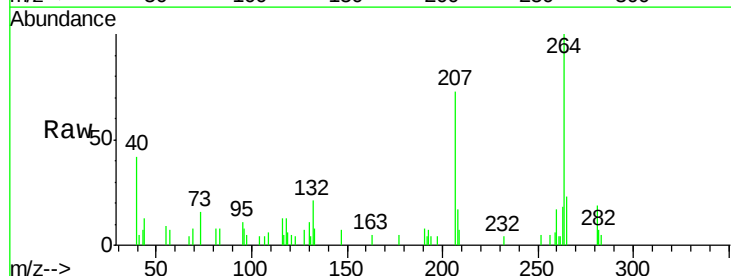


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 0.01 ng/u1
RT: 24.97 min Scan# 3767
Delta R.T. -0.02 min
Lab File: BG021983.D
Acq: 21 May 2016 19:15

Tgt Ion:252 Resp: 84
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
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

