

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021981.D
 Acq On : 21 May 2016 17:55
 Operator : UM/SJ
 Sample : PB90676BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SBLK60

Quant Time: May 22 06:43:36 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	35971	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	189346	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	105937	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	220977	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	202927	20.00	ng/ul	0.00
84) Perylene-d12	25.14	264	182847	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	5353	7.75	ng/uL	0.00
5) Phenol-d5	7.31	99	109955	33.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	59222	34.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	94210	34.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	93548	33.94	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	48059	34.41	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	51851	34.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	86604	31.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	75125	25.85	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	291864	36.68	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	392862	35.36	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	38130	27.83	ng/ul	0.00
58) Fluorene-d10	15.78	176	264526	35.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	32388	28.04	ng/ul	0.00
71) Anthracene-d10	17.63	188	382054	35.92	ng/ul	0.00
77) Pyrene-d10	19.91	212	420844	36.78	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.91	264	326157	38.44	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.57	88	170	0.14	ng/uL#	30
4) Benzaldehyde	7.69	77	1732	0.97	ng/ul#	78
8) Bis(2-Chloroethyl)ether	7.57	93	169	0.07	ng/ul#	23
12) 2,2'-oxybis(1-Chloropropan	8.86	45	336	0.12	ng/ul#	64
15) N-Nitroso-di-n-propylamine	8.86	70	1739	0.87	ng/ul#	1
17) Hexachloroethane	8.86	117	281	0.26	ng/ul#	10
21) Isophorone	9.86	82	91	0.02	ng/ul#	64
28) Naphthalene	10.62	128	63	0.01	ng/ul#	1
43) 2-Nitroaniline	14.18	65	834	0.57	ng/ul#	1
46) 2,6-Dinitrotoluene	14.20	165	266	0.16	ng/ul#	34
49) 3-Nitroaniline	14.22	138	577	0.36	ng/ul#	6
55) 2,4-Dinitrotoluene	14.78	165	14329	6.20	ng/ul#	46
59) Fluorene	15.78	166	519	0.06	ng/ul#	1
65) N-Nitrosodiphenylamine	15.90	169	213	0.03	ng/ul#	21
74) Di-n-butylphthalate	18.47	149	307	0.02	ng/ul#	79
75) Fluoranthene	19.91	202	820	0.07	ng/ul#	1
78) Pyrene	19.91	202	820	0.06	ng/ul#	1
79) Butylbenzylphthalate	20.80	149	82	0.01	ng/ul#	25
81) Benzo(a)anthracene	21.82	228	571	0.05	ng/ul#	51
82) Bis(2-ethylhexyl)phthalate	21.67	149	498	0.05	ng/ul#	52
83) Chrysene	21.82	228	571	0.05	ng/ul#	50
85) Di-n-octyl phthalate	22.93	149	308	0.02	ng/ul	100
89) Benzo(a)pyrene	25.01	252	126	0.01	ng/ul#	5

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Instrument :
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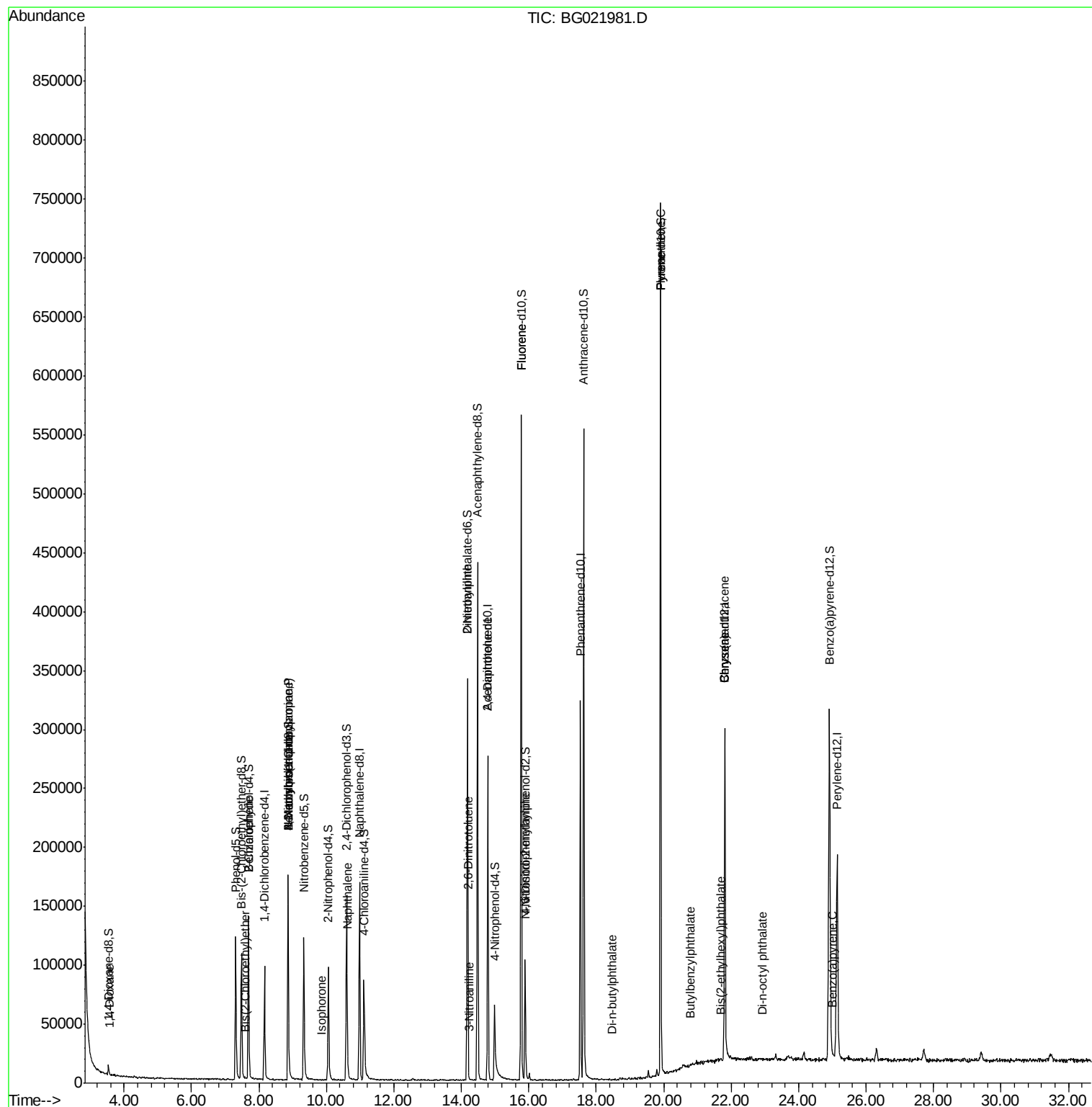
Quant Time: May 22 06:43:36 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun May 22 06:41:14 2016
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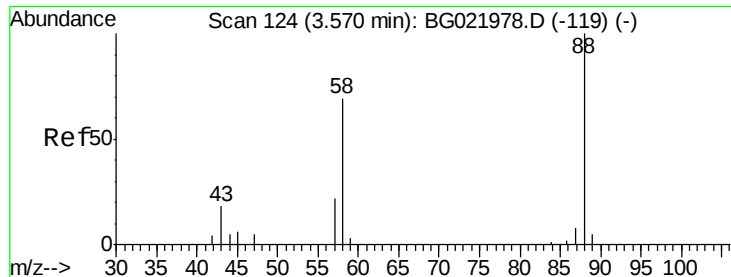
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
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Quant Title : SVOA CALIBRATION
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#2

1,4-Dioxane

Concen: 0.14 ng/uL

RT: 3.57 min Scan# 125

Delta R.T. 0.00 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

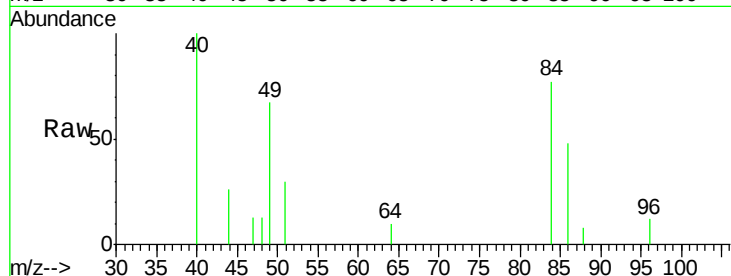
Tgt Ion: 88 Resp: 170

Ion Ratio Lower Upper

88 100

43 0.0 16.6 24.8#

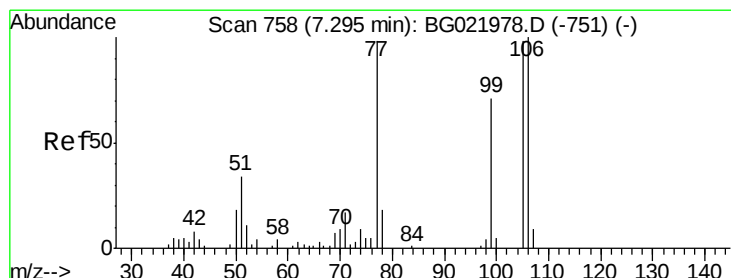
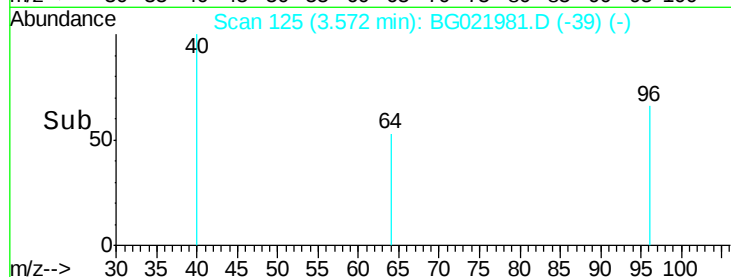
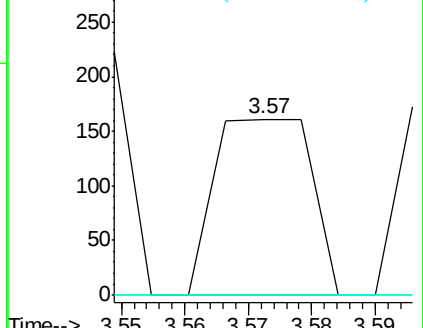
58 0.0 47.2 70.8#



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: 0.97 ng/uL

RT: 7.69 min Scan# 826

Delta R.T. 0.40 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

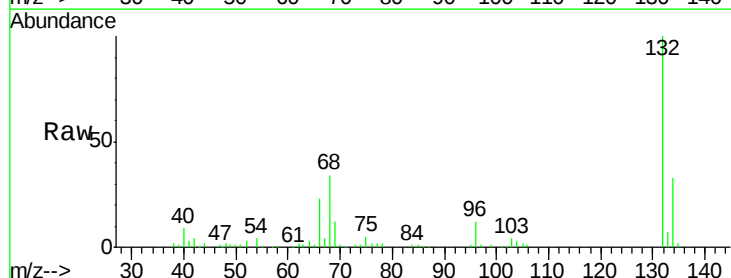
Tgt Ion: 77 Resp: 1732

Ion Ratio Lower Upper

77 100

105 85.8 83.8 125.8

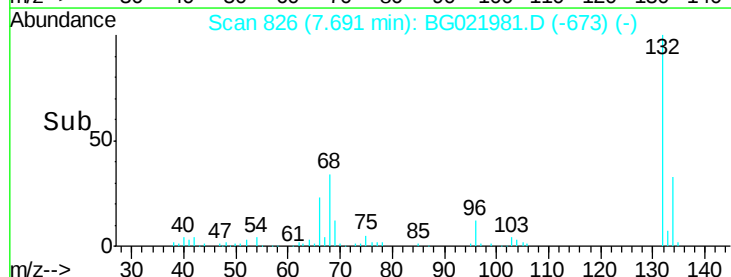
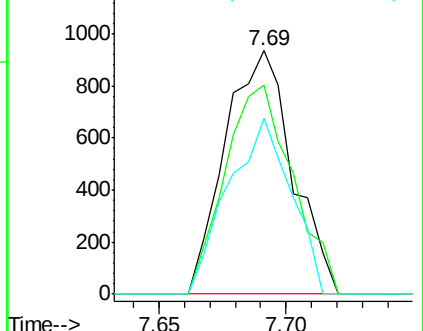
106 72.4 77.9 116.9#

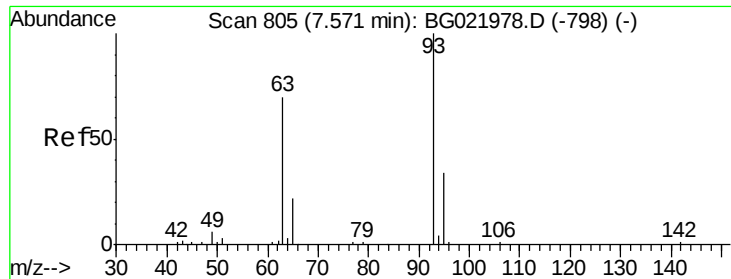


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#8

Bis(2-Chloroethyl)ether

Concen: 0.07 ng/ul

RT: 7.57 min Scan# 806

Delta R.T. 0.00 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

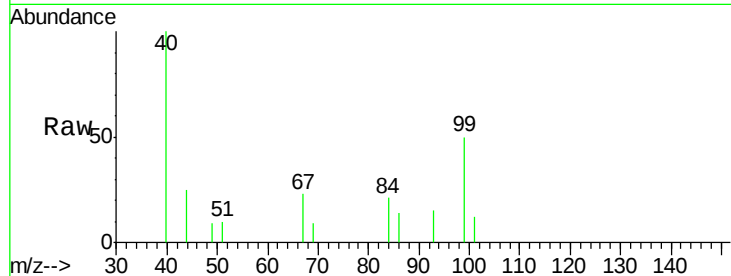
Tgt Ion: 93 Resp: 169

Ion Ratio Lower Upper

93 100

63 0.0 56.0 84.0#

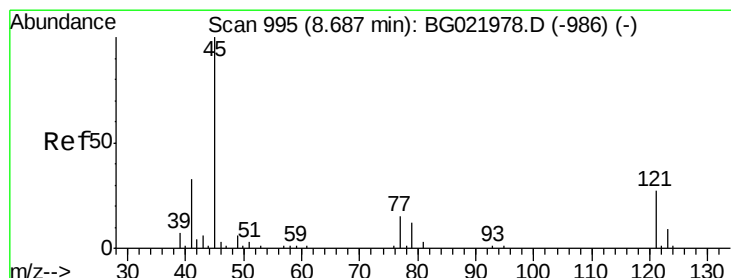
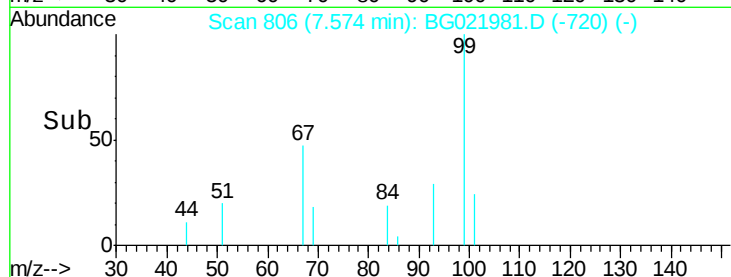
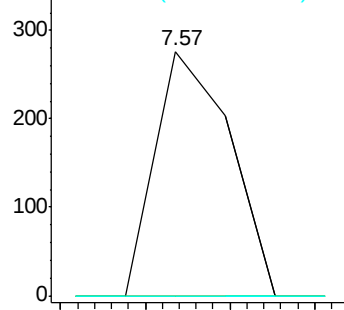
95 0.0 27.7 41.5#



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: 0.12 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. 0.17 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

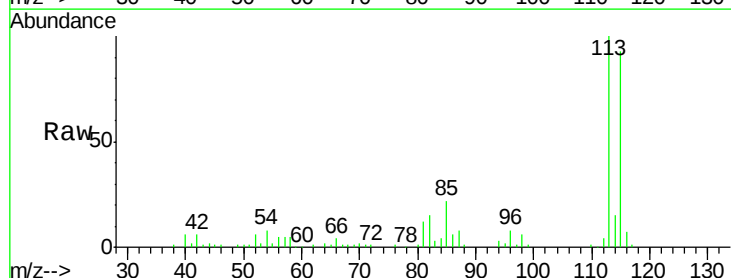
Tgt Ion: 45 Resp: 336

Ion Ratio Lower Upper

45 100

77 0.0 13.4 20.2#

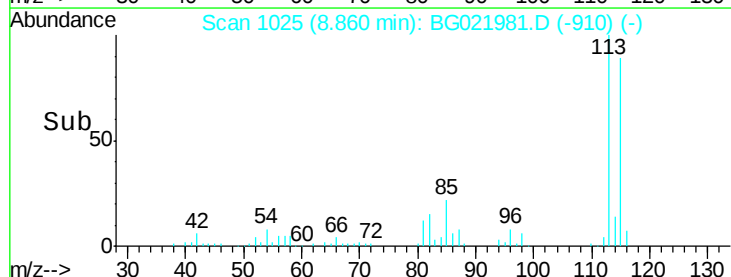
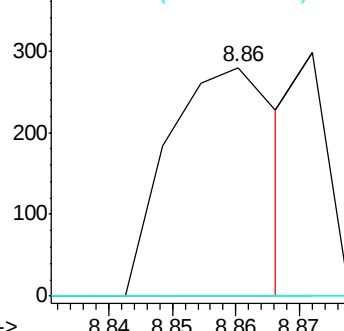
79 0.0 10.2 15.4#

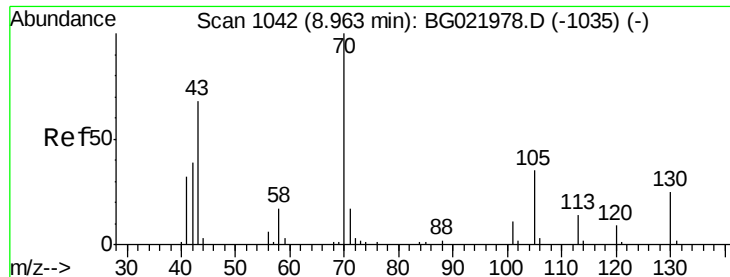


Abundance Ion 45.00 (44.70 to 45.70): BGC

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: 0.87 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. -0.10 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

Tgt Ion: 70 Resp: 1739

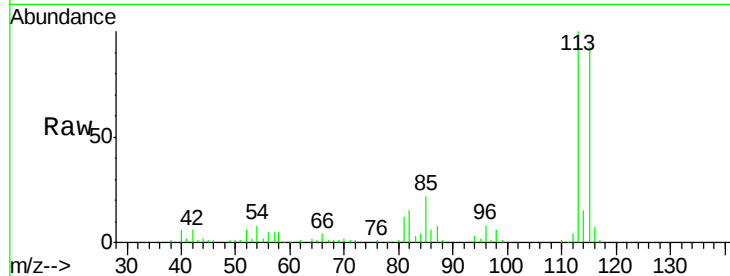
Ion Ratio Lower Upper

70 100

42 316.5 31.4 47.2#

101 0.0 8.6 13.0#

130 0.0 19.0 28.4#

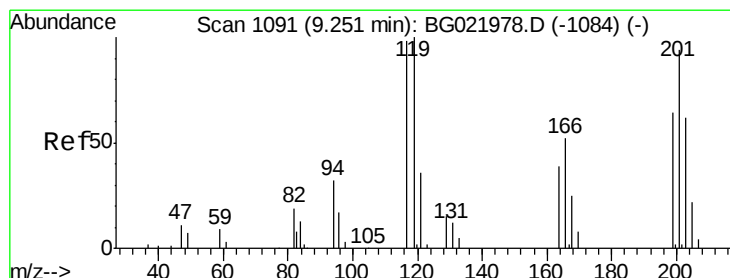
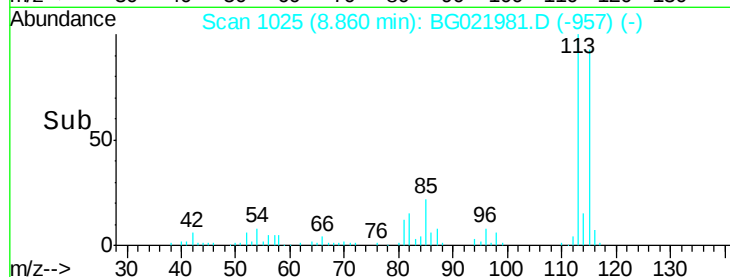
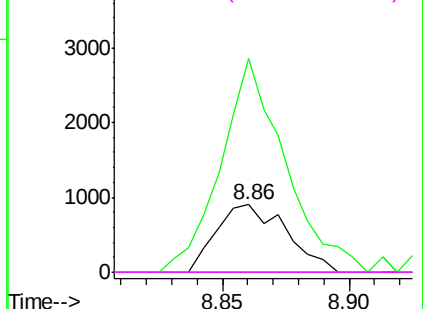


Abundance Ion 70.00 (69.70 to 70.70): BG0

Ion 42.00 (41.70 to 42.70): BG0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#17

Hexachloroethane

Concen: 0.26 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. -0.39 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

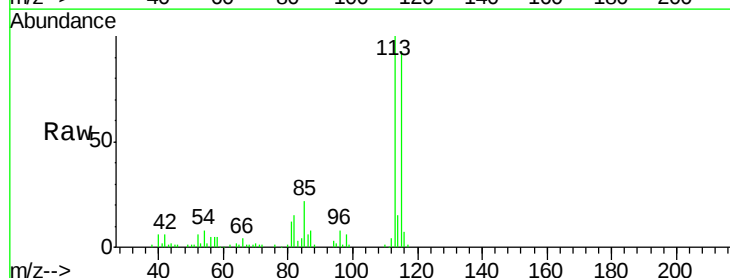
Tgt Ion: 117 Resp: 281

Ion Ratio Lower Upper

117 100

201 0.0 76.8 115.2#

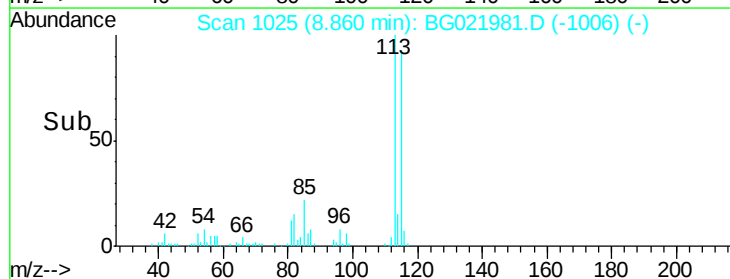
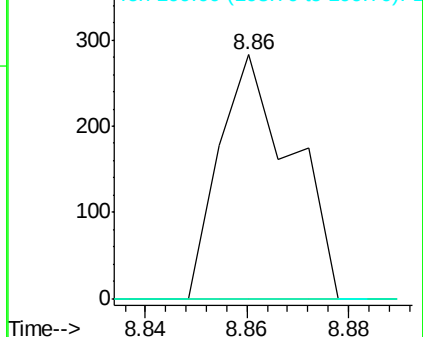
199 0.0 43.5 65.3#

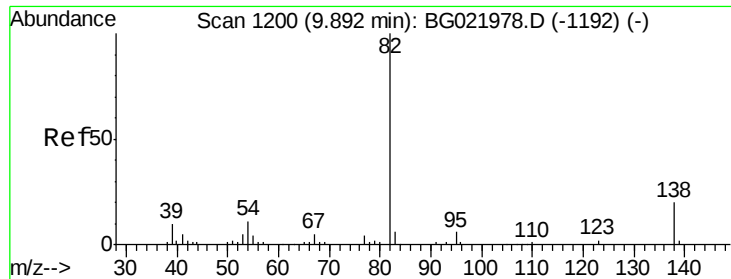


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#21

Isophorone

Concen: 0.02 ng/ul

RT: 9.86 min Scan# 1195

Delta R.T. -0.03 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

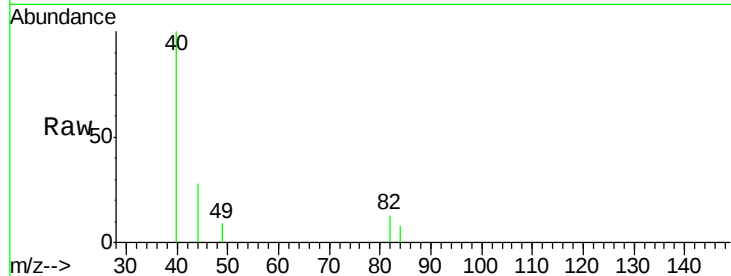
Tgt Ion: 82 Resp: 91

Ion Ratio Lower Upper

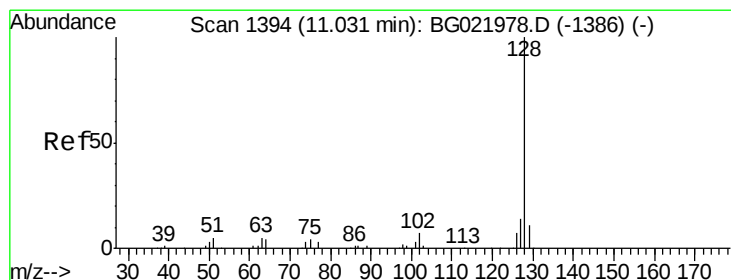
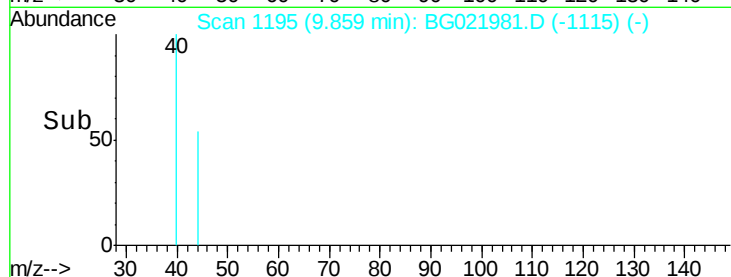
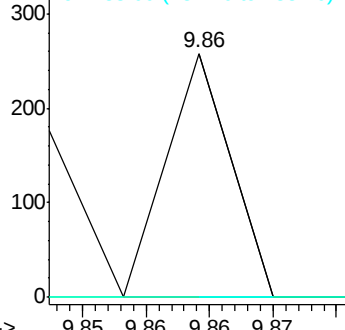
82 100

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: 10.62 min Scan# 1324

Delta R.T. -0.41 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

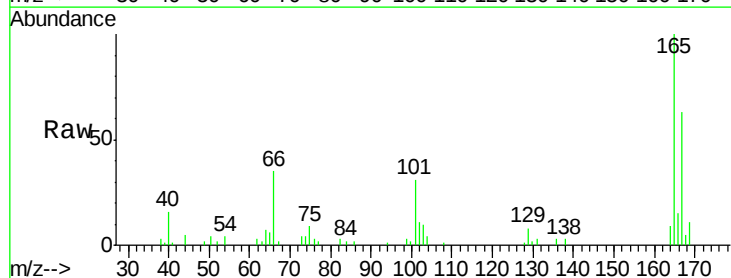
Tgt Ion: 128 Resp: 63

Ion Ratio Lower Upper

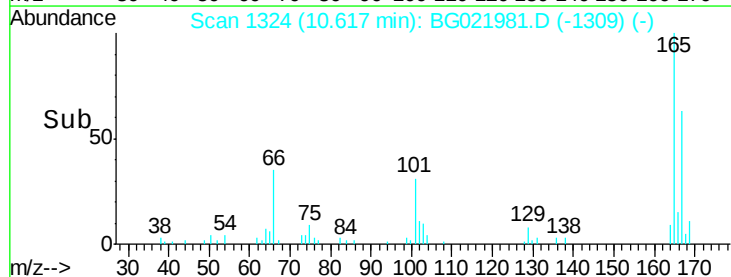
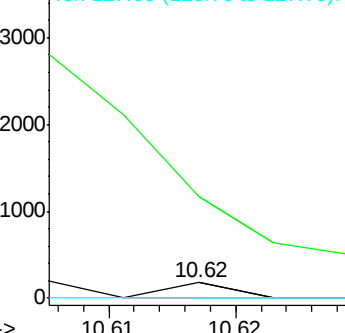
128 100

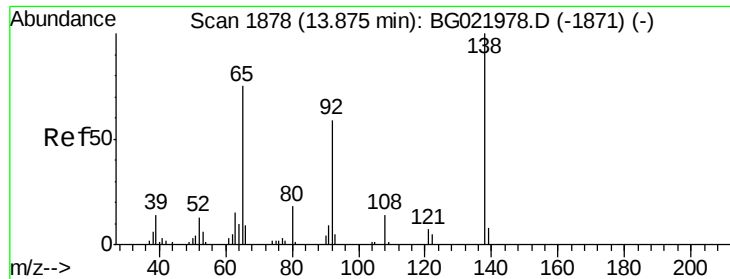
129 652.2 9.4 14.2#

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: 0.57 ng/ul

RT: 14.18 min Scan# 1930

Delta R.T. 0.30 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

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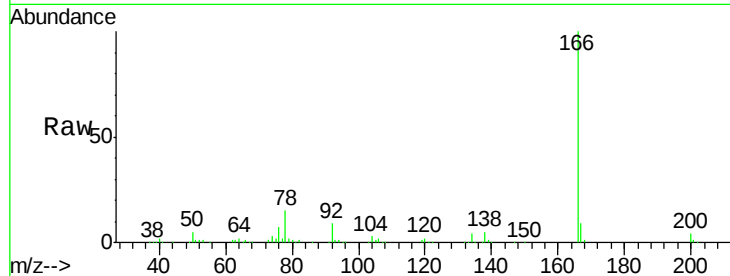
Tgt Ion: 65 Resp: 834

Ion Ratio Lower Upper

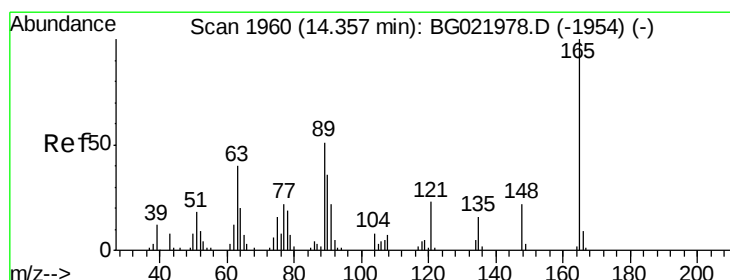
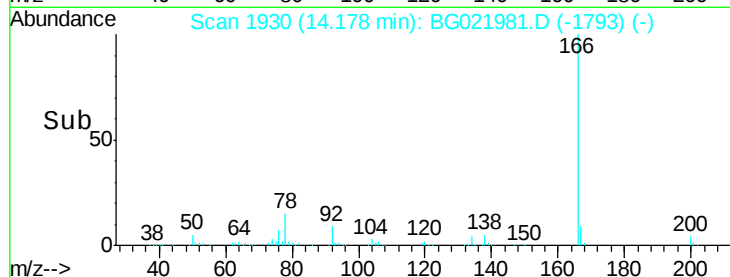
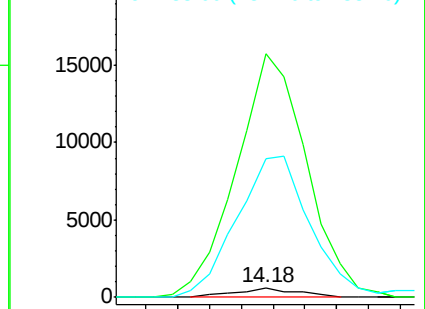
65 100

92 2546.1 67.1 100.7#

138 1443.4 109.6 164.4#



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



#46

2,6-Dinitrotoluene

Concen: 0.16 ng/ul

RT: 14.20 min Scan# 1934

Delta R.T. -0.16 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

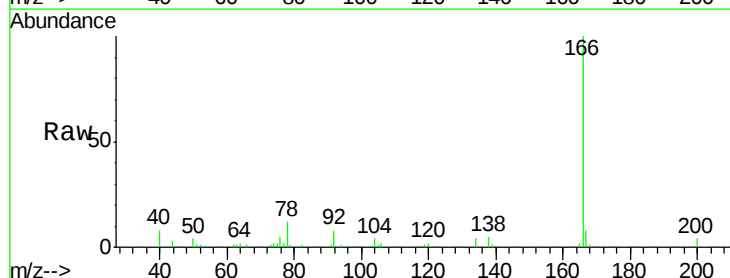
Tgt Ion: 165 Resp: 266

Ion Ratio Lower Upper

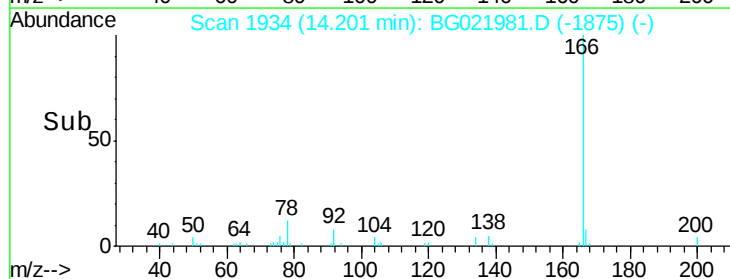
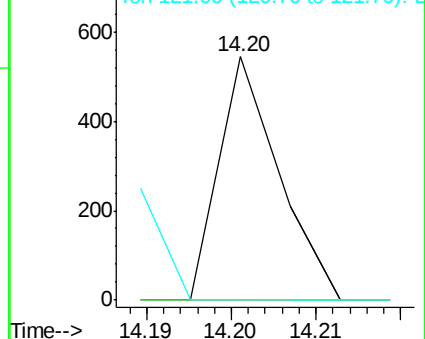
165 100

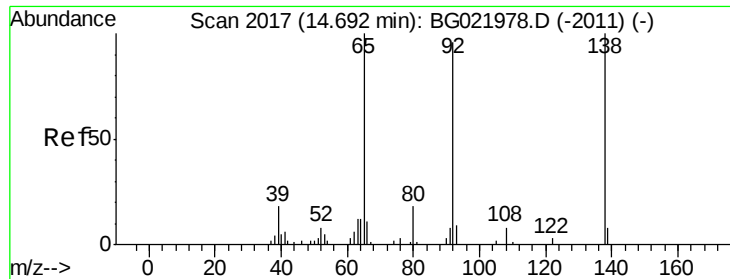
89 0.0 41.5 62.3#

121 0.0 17.0 25.4#



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





#49

3-Nitroaniline

Concen: 0.36 ng/ul

RT: 14.22 min Scan# 1938

Delta R.T. -0.47 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

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SBLK60

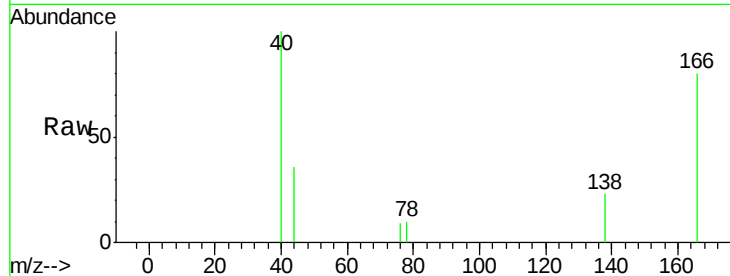
Tgt Ion:138 Resp: 577

Ion Ratio Lower Upper

138 100

108 0.0 6.2 9.2#

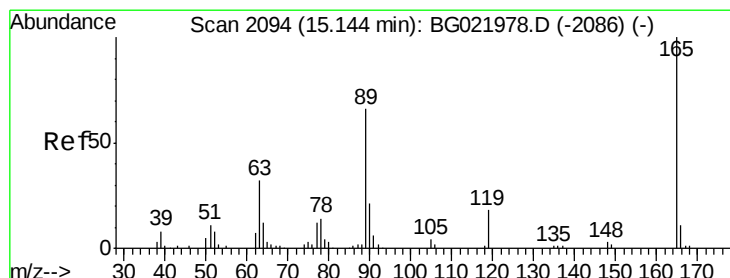
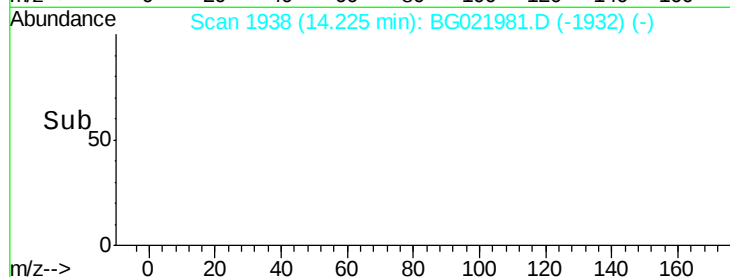
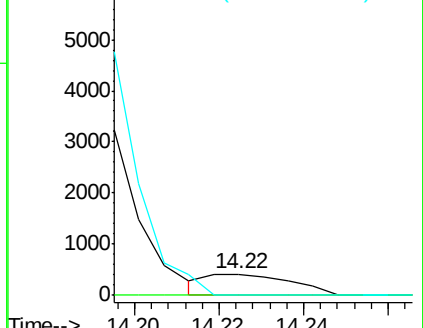
92 0.0 79.3 118.9#



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: 6.20 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.36 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

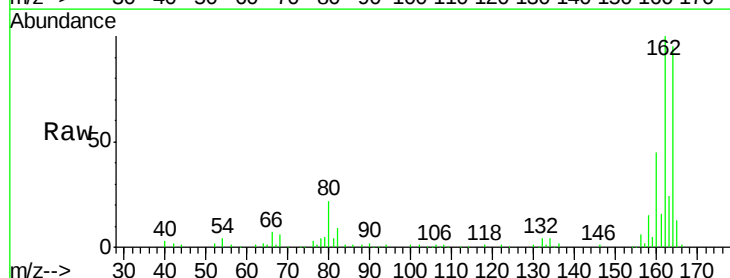
Tgt Ion:165 Resp: 14329

Ion Ratio Lower Upper

165 100

63 0.0 25.7 38.5#

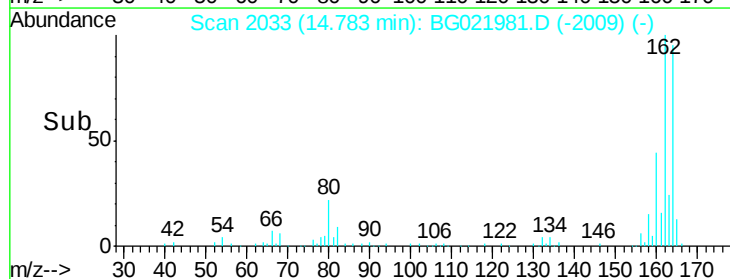
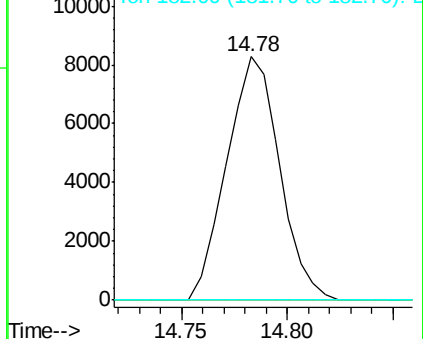
182 0.0 2.1 3.1#

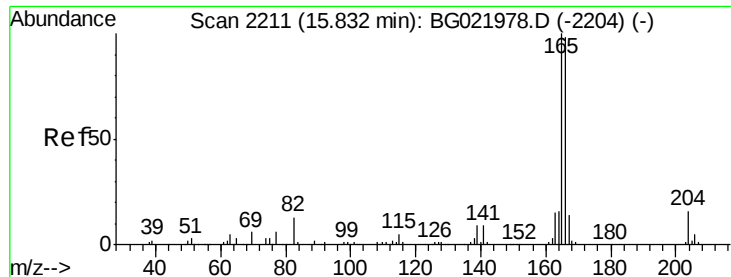


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 182.00 (181.70 to 182.70): E





#59

Fluorene

Concen: 0.06 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. -0.06 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

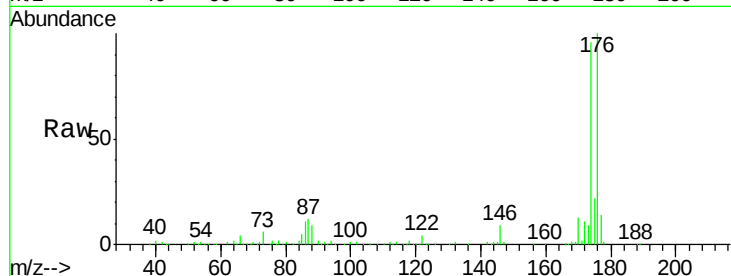
Tgt Ion:166 Resp: 519

Ion Ratio Lower Upper

166 100

165 0.0 80.3 120.5#

167 54.0 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

15.78

400

300

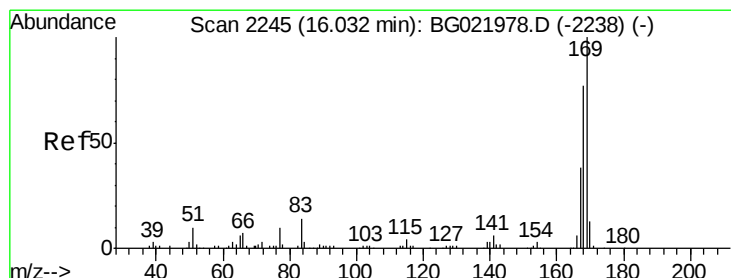
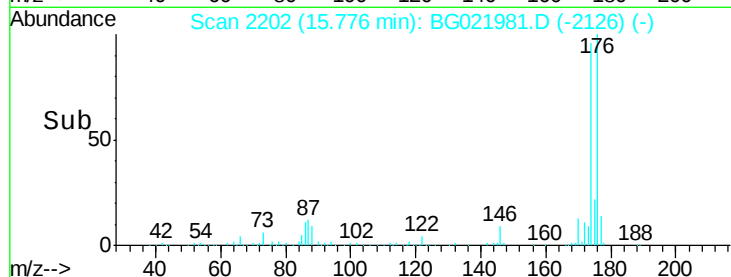
200

100

0

15.76 15.78 15.80

Time-->



#65

N-Nitrosodiphenylamine

Concen: 0.03 ng/ul

RT: 15.90 min Scan# 2223

Delta R.T. -0.13 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

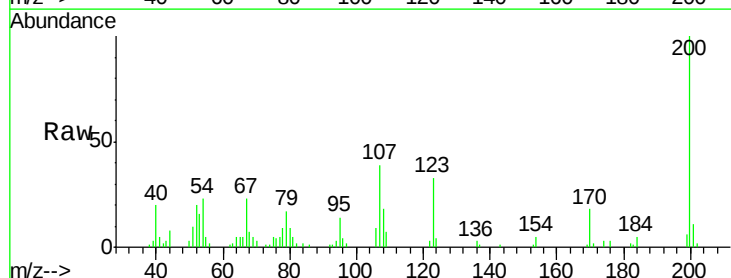
Tgt Ion:169 Resp: 213

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

15.90

300

250

200

150

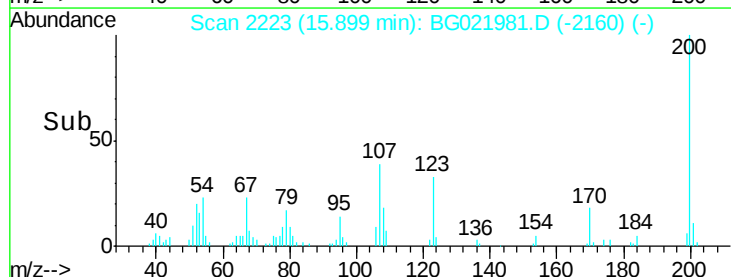
100

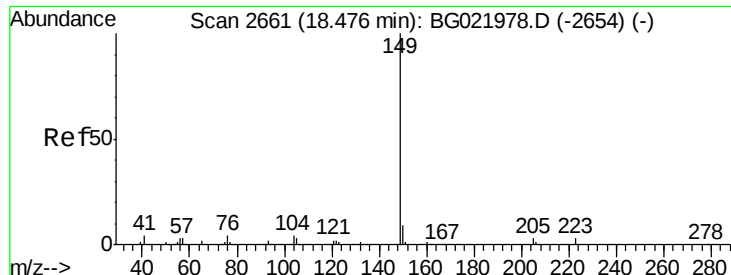
50

0

15.88 15.90

Time-->

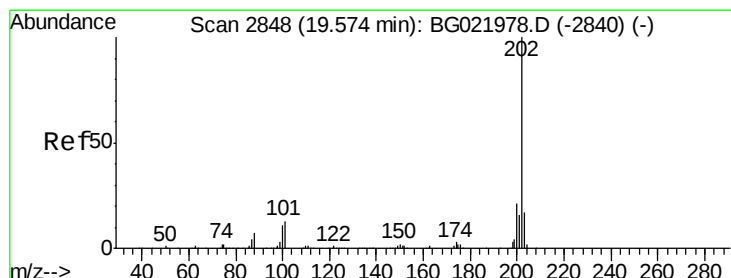
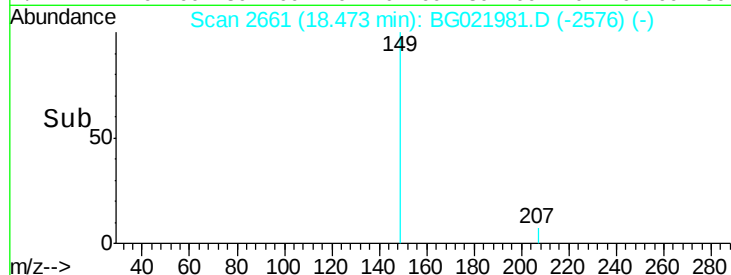
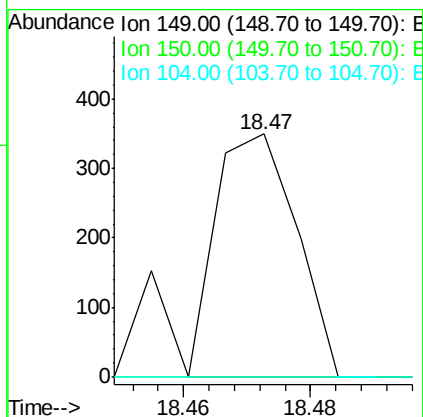
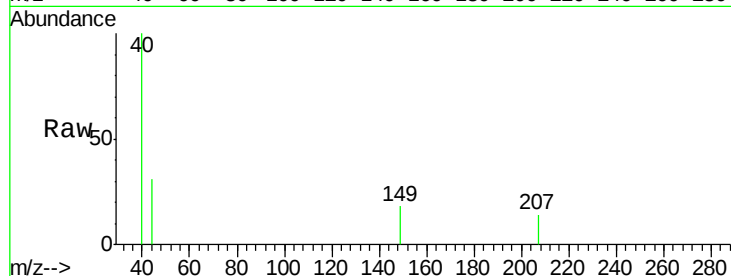




#74
Di-n-butylphthalate
Concen: 0.02 ng/ul
RT: 18.47 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BG021981.D
Acq: 21 May 2016 17:55

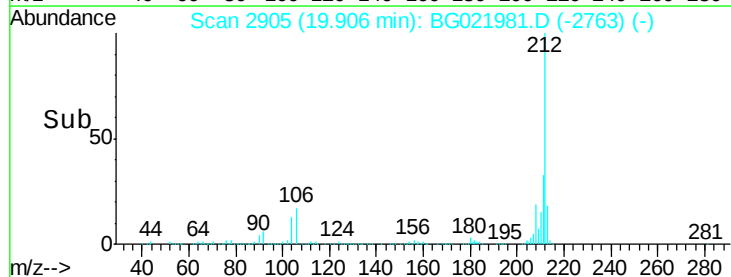
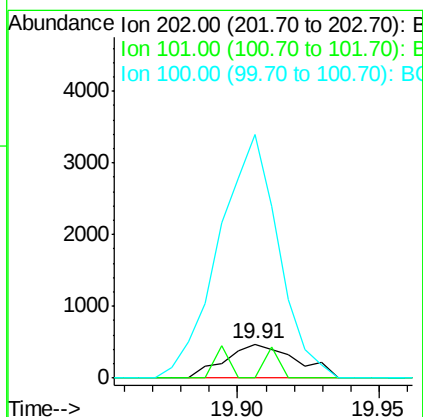
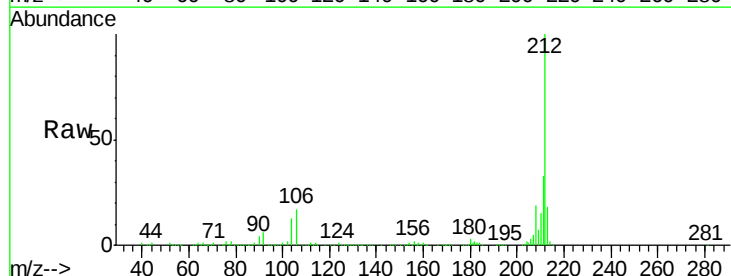
Instrument :
BNA_G
ClientSampleId :
SBLK60

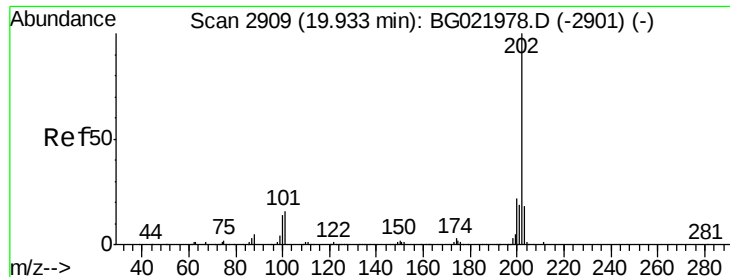
Tgt Ion:149 Resp: 307
Ion Ratio Lower Upper
149 100
150 0.0 7.1 10.7#
104 0.0 3.3 4.9#



#75
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.91 min Scan# 2905
Delta R.T. 0.33 min
Lab File: BG021981.D
Acq: 21 May 2016 17:55

Tgt Ion:202 Resp: 820
Ion Ratio Lower Upper
202 100
101 0.0 10.6 16.0#
100 713.2 8.7 13.1#

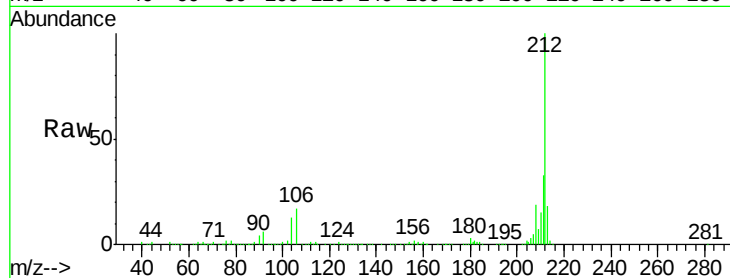




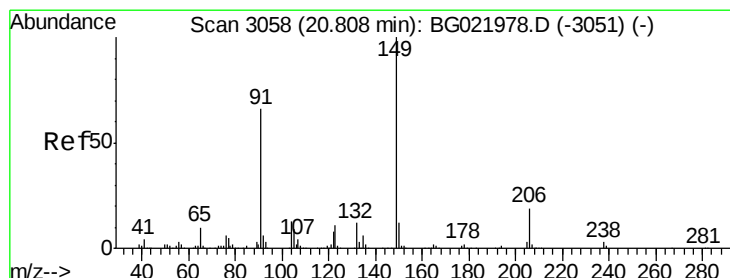
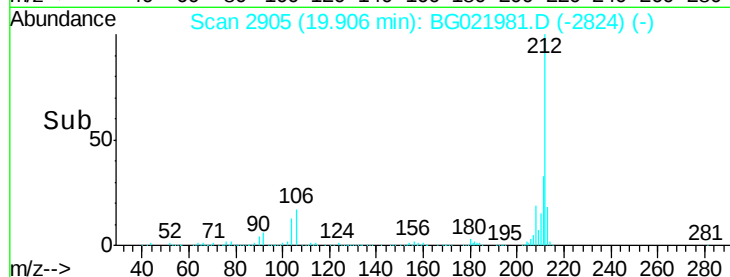
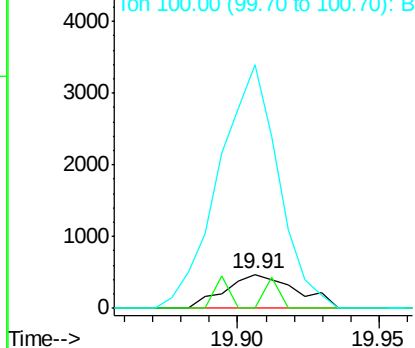
#78
 Pyrene
 Concen: 0.06 ng/ul
 RT: 19.91 min Scan# 2905
 Delta R.T. -0.03 min
 Lab File: BG021981.D
 Acq: 21 May 2016 17:55

Instrument :
 BNA_G
 ClientSampleId :
 SBLK60

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	12.5	18.7#
100	713.2	10.2	15.4#

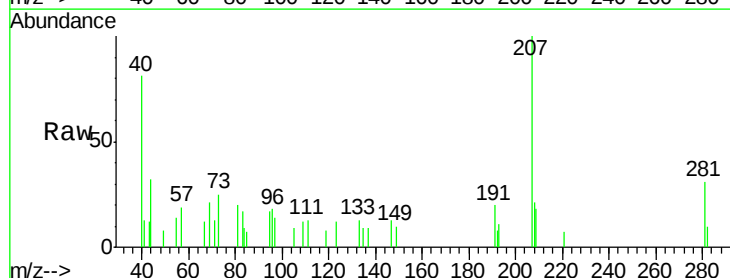


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): E

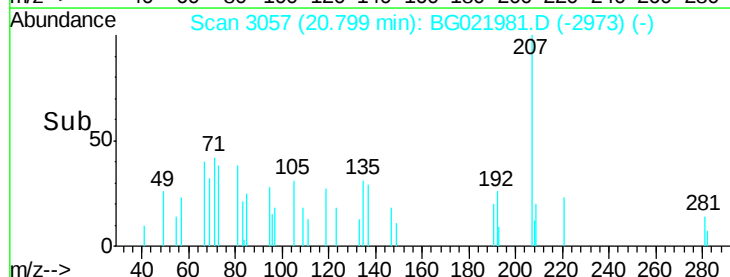
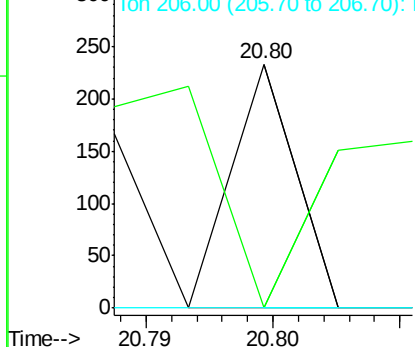


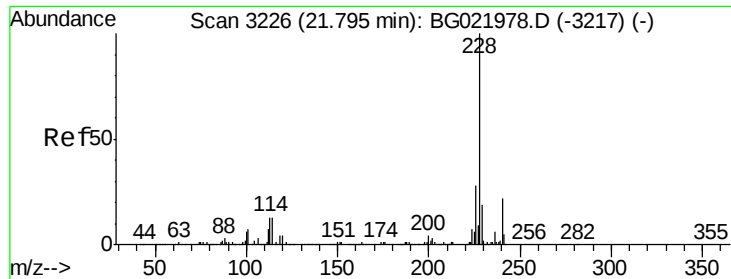
#79
 Butylbenzylphthalate
 Concen: 0.01 ng/ul
 RT: 20.80 min Scan# 3057
 Delta R.T. -0.01 min
 Lab File: BG021981.D
 Acq: 21 May 2016 17:55

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



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E

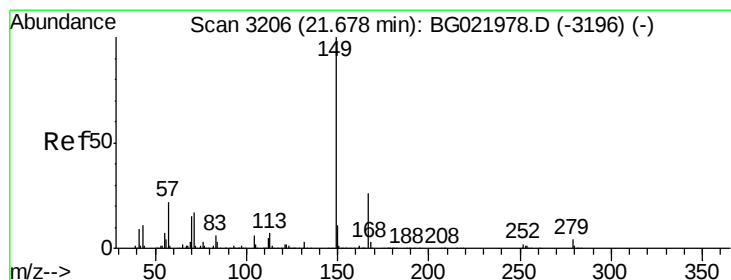
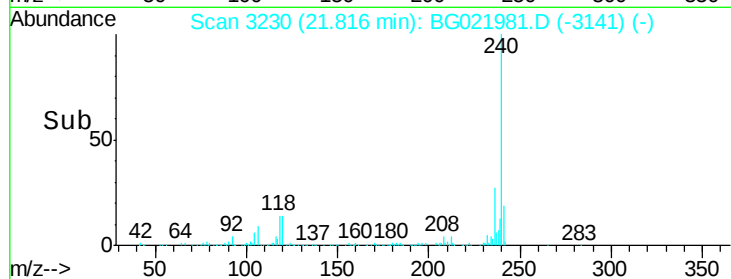
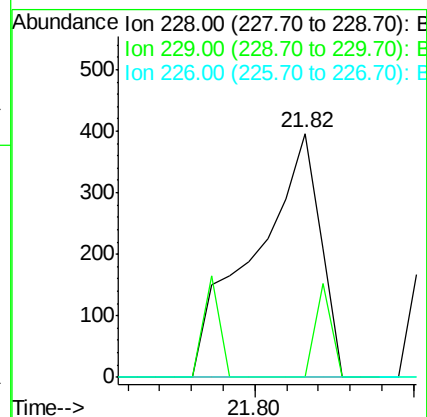
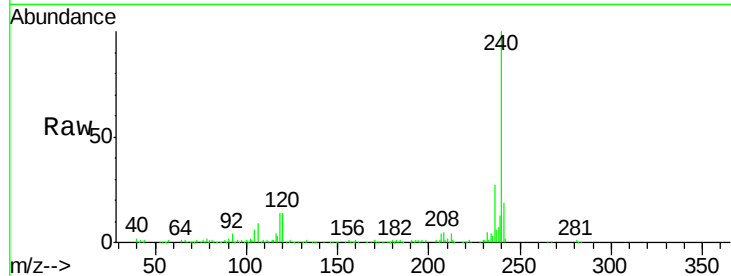




#81
Benzo(a)anthracene
Concen: 0.05 ng/ul
RT: 21.82 min Scan# 3230
Delta R.T. 0.02 min
Lab File: BG021981.D
Acq: 21 May 2016 17:55

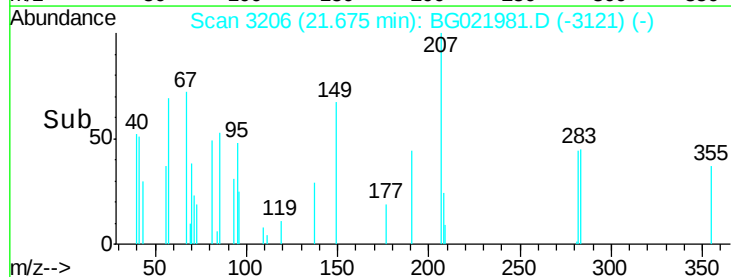
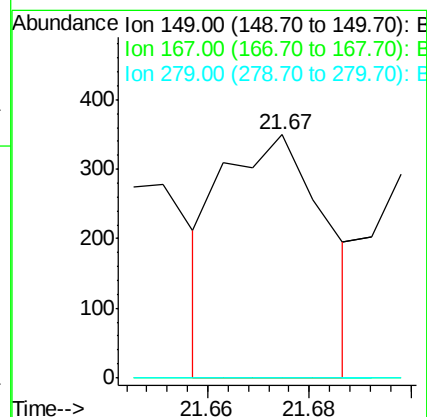
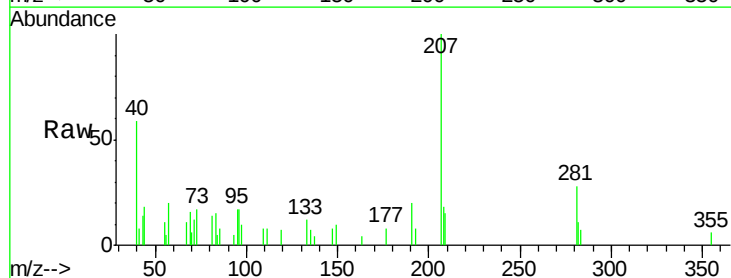
Instrument :
BNA_G
ClientSampled :
SBLK60

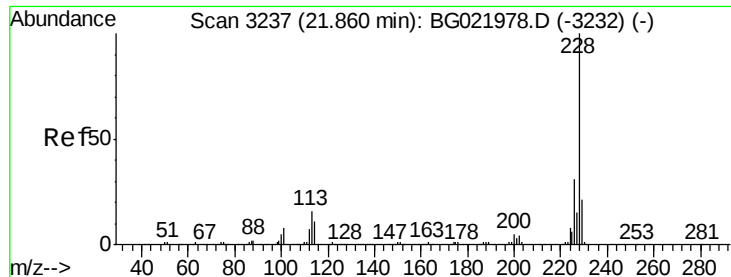
Tgt Ion: 228 Resp: 571
Ion Ratio Lower Upper
228 100
229 0.0 15.4 23.2#
226 0.0 22.8 34.2#



#82
Bis(2-ethylhexyl)phthalate
Concen: 0.05 ng/ul
RT: 21.67 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BG021981.D
Acq: 21 May 2016 17:55

Tgt Ion: 149 Resp: 498
Ion Ratio Lower Upper
149 100
167 0.0 21.9 32.9#
279 0.0 2.9 4.3#





#83

Chrysene

Concen: 0.05 ng/ul

RT: 21.82 min Scan# 3230

Delta R.T. -0.04 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

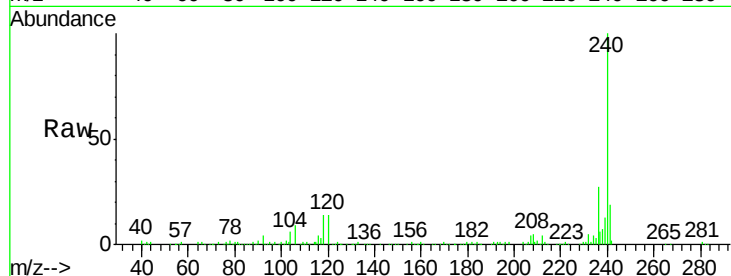
Tgt Ion:228 Resp: 571

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

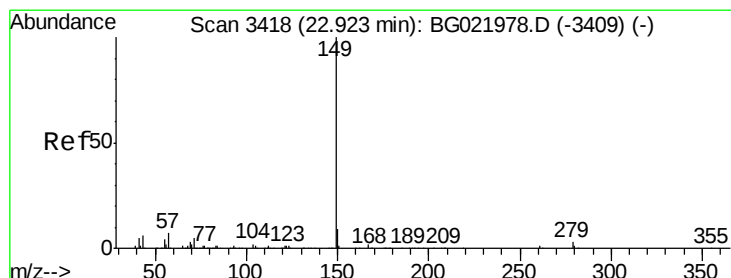
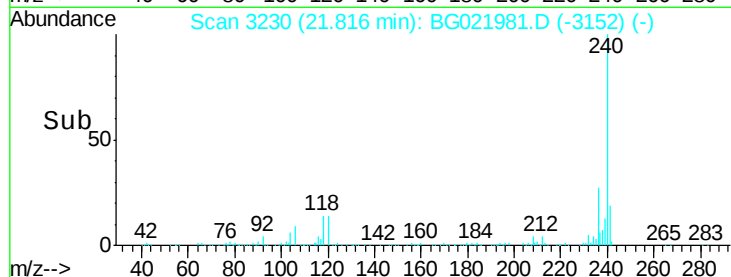
200

100

0

Time-->

21.80



#85

Di-n-octyl phthalate

Concen: 0.02 ng/ul

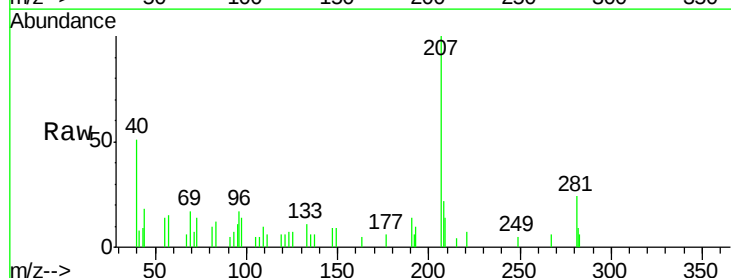
RT: 22.93 min Scan# 3419

Delta R.T. 0.00 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Tgt Ion:149 Resp: 308



Abundance Ion 149.00 (148.70 to 149.70): E

400

300

200

100

0

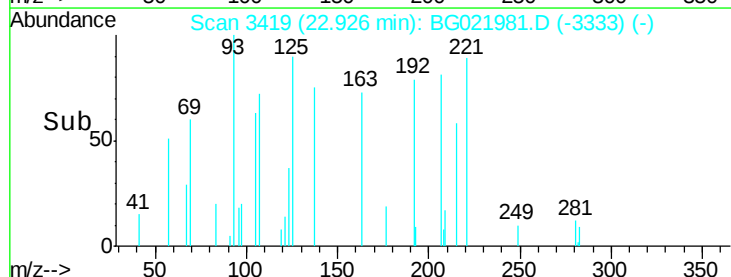
Time-->

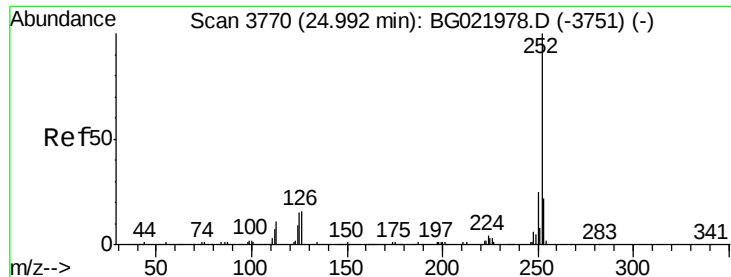
22.90

22.92

22.94

22.96





#89

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 25.01 min Scan# 3773

Delta R.T. 0.01 min

Lab File: BG021981.D

Acq: 21 May 2016 17:55

Instrument :

BNA_G

ClientSampleId :

SBLK60

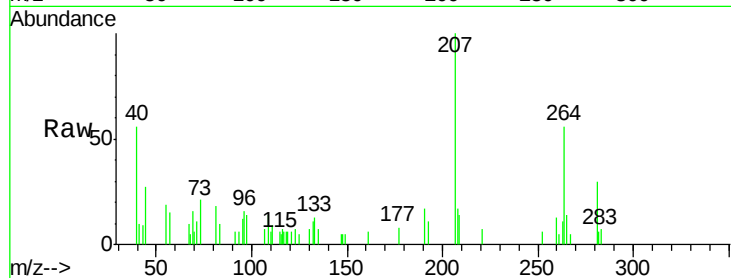
Tgt Ion:252 Resp: 126

Ion Ratio Lower Upper

252 100

253 0.0 19.0 28.4#

125 84.8 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

