

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042315\
 Data File : BG016660.D
 Acq On : 23 Apr 2015 19:43
 Operator : TP/IZ
 Sample : PB82889BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82889BL

Quant Time: Apr 24 02:20:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 19:19:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	48231	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	196999	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	107496	20.00	ng	0.00
63) Phenanthrene-d10	16.99	188	250401	20.00	ng	0.00
75) Chrysene-d12	21.18	240	268600	20.00	ng	0.00
86) Perylene-d12	23.38	264	242429	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	390234	131.29	ng	0.00
7) Phenol-d6	6.80	99	518824	124.43	ng	0.00
23) Nitrobenzene-d5	8.76	82	252669	81.04	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	107159	134.37	ng	0.00
44) 2-Fluorobiphenyl	12.87	172	582227	87.02	ng	0.00
78) Terphenyl-d14	19.63	244	893567	76.63	ng	0.00

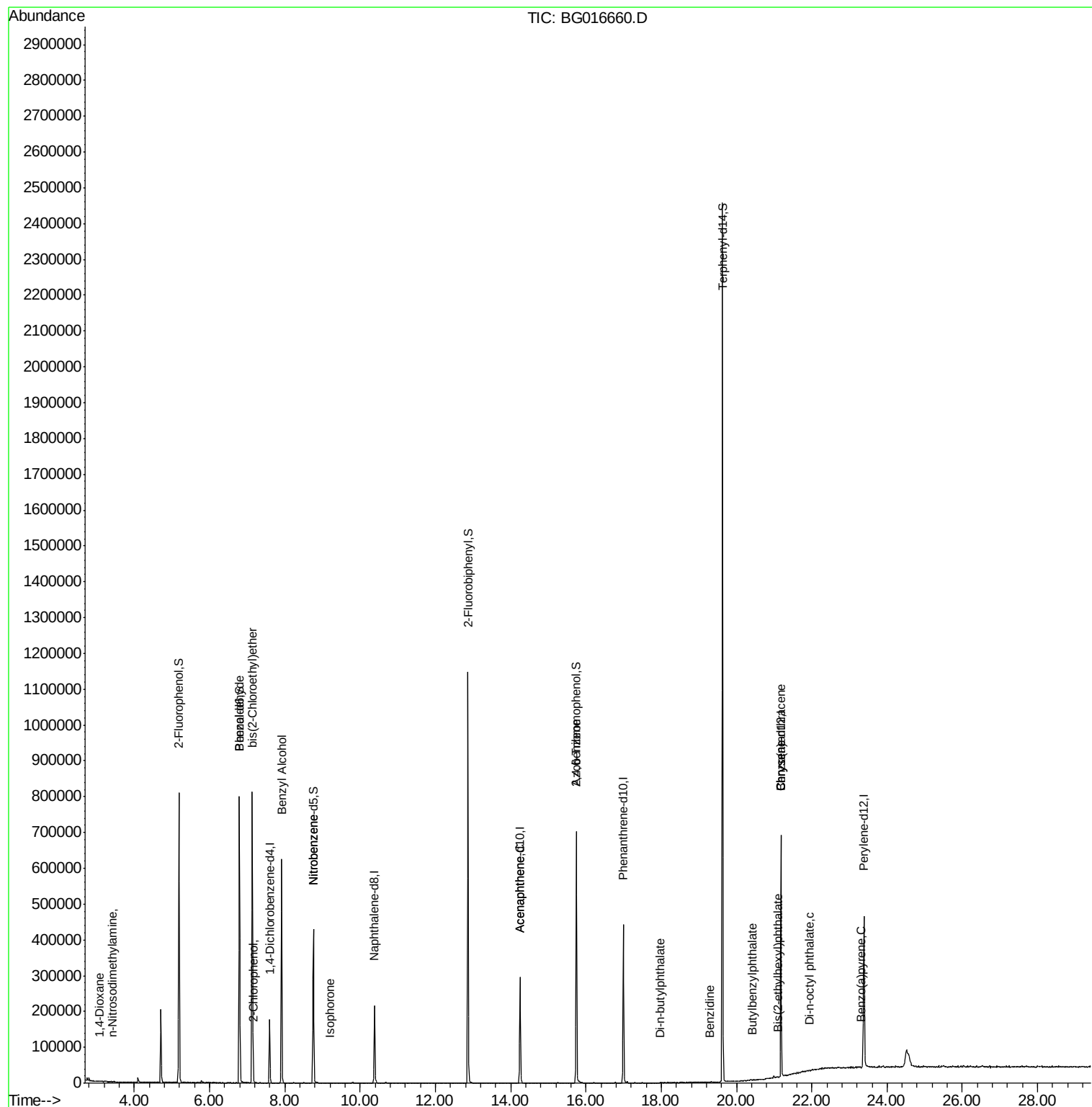
Target Compounds						Qvalue
2) 1,4-Dioxane	3.08	88	133	0.10	ng	# 1
4) n-Nitrosodimethylamine	3.41	42	54	0.05	ng	# 1
8) 2-Chlorophenol	7.17	128	60	0.02	ng	# 1
9) Benzaldehyde	6.80	77	583	0.34	ng	# 1
11) bis(2-Chloroethyl)ether	7.14	93	481	0.14	ng	# 1
15) Benzyl Alcohol	7.91	79	3926	1.50	ng	# 33
24) Nitrobenzene	8.76	77	600	0.18	ng	# 25
25) Isophorone	9.18	82	61	0.01	ng	# 59
51) Acenaphthene	14.25	154	203	0.03	ng	# 6
62) Azobenzene	15.75	77	989	0.13	ng	# 39
73) Di-n-butylphthalate	17.98	149	279	0.02	ng	# 78
76) Benzidine	19.29	184	55	0.01	ng	# 65
79) Butylbenzylphthalate	20.41	149	56	0.01	ng	# 24
80) Benzo(a)anthracene	21.18	228	686	0.04	ng	# 62
82) Chrysene	21.18	228	686	0.04	ng	# 60
83) Bis(2-ethylhexyl)phthalate	21.09	149	202	0.02	ng	# 48
84) Di-n-octyl phthalate	21.93	149	184	0.01	ng	# 37
89) Benzo(a)pyrene	23.30	252	70	0.01	ng	# 55

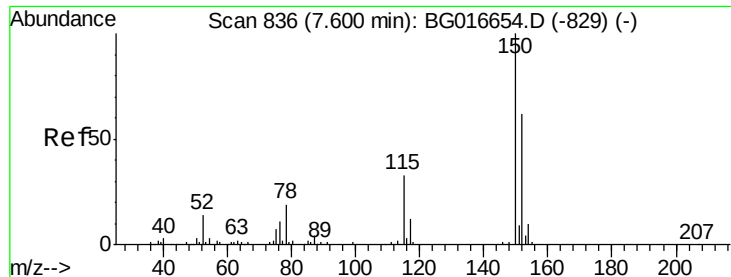
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.60 min Scan# 835

Delta R.T. -0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

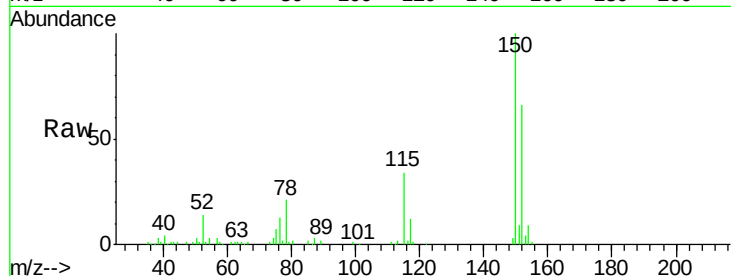
Tgt Ion:152 Resp: 48231

Ion Ratio Lower Upper

152 100

150 151.0 129.6 194.4

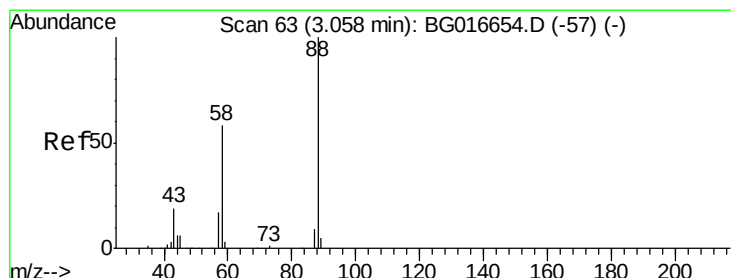
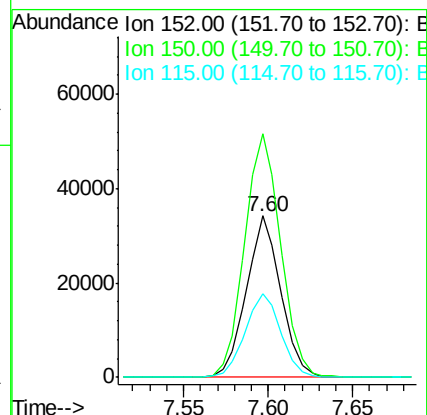
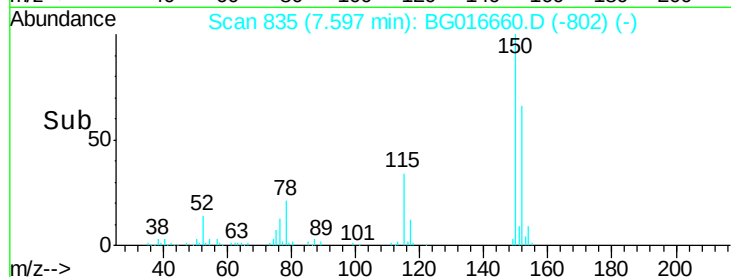
115 51.9 43.0 64.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.10 ng

RT: 3.08 min Scan# 66

Delta R.T. 0.02 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

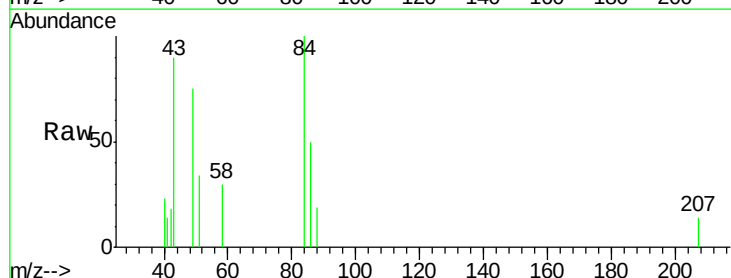
Tgt Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

58 0.0 46.8 70.2#

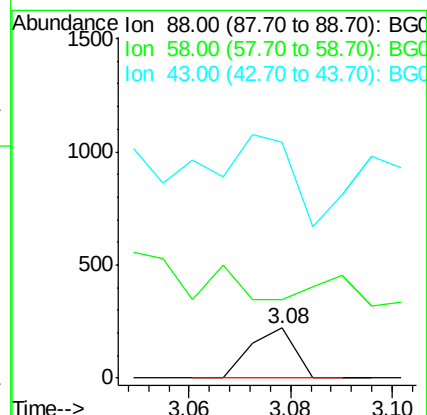
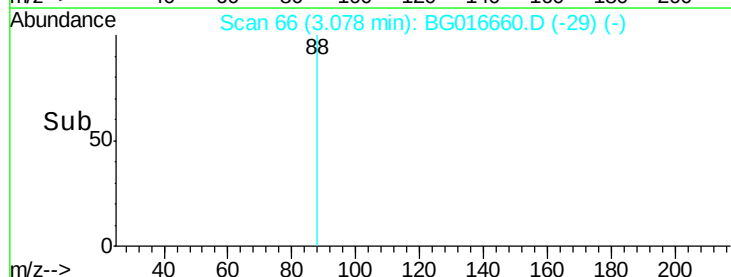
43 207.5 15.8 23.8#

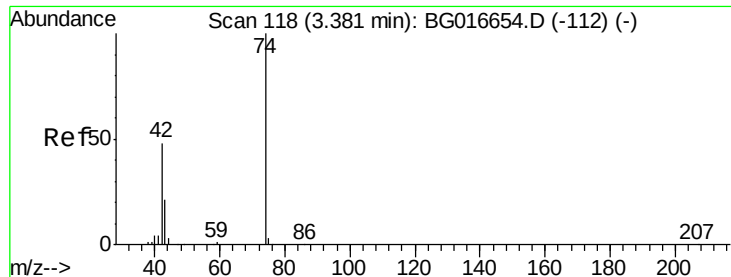


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.41 min Scan# 123

Delta R.T. 0.03 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

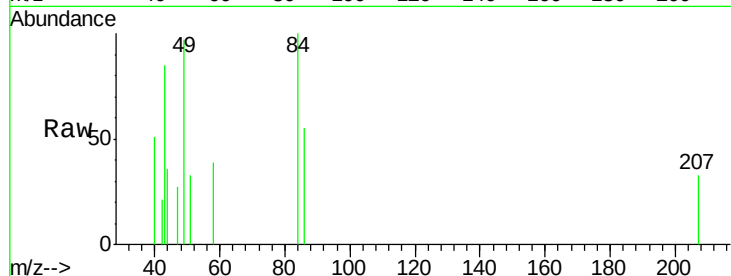
Tgt Ion: 42 Resp: 54

Ion Ratio Lower Upper

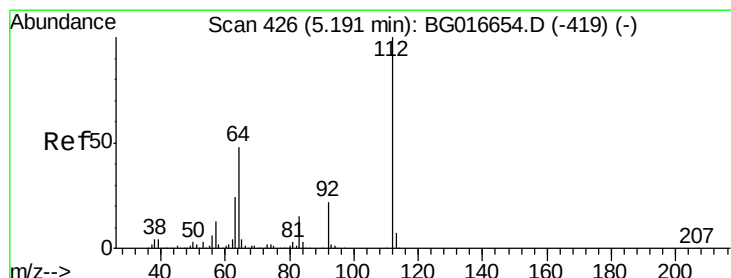
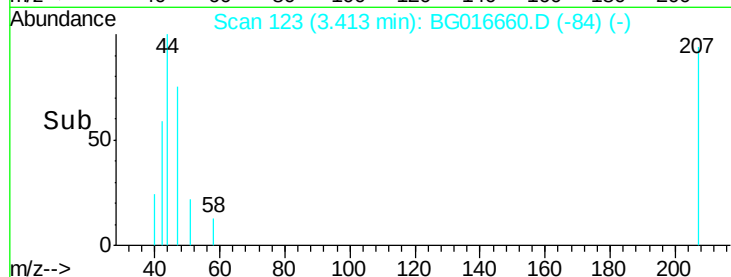
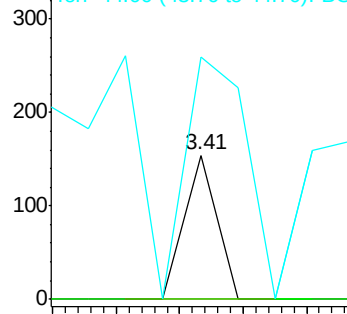
42 100

74 0.0 165.6 248.4#

44 168.8 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 131.29 ng

RT: 5.19 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

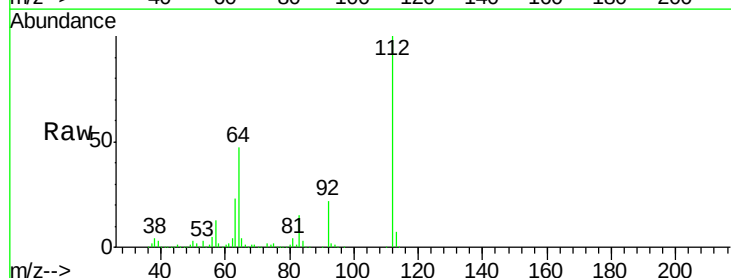
Tgt Ion: 112 Resp: 390234

Ion Ratio Lower Upper

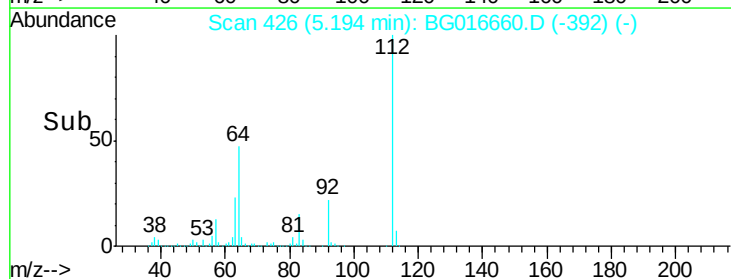
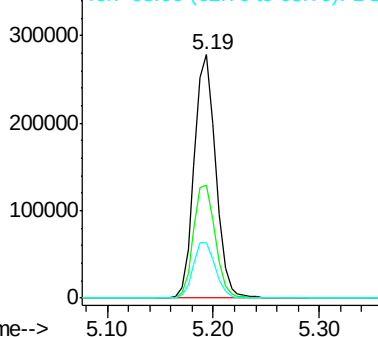
112 100

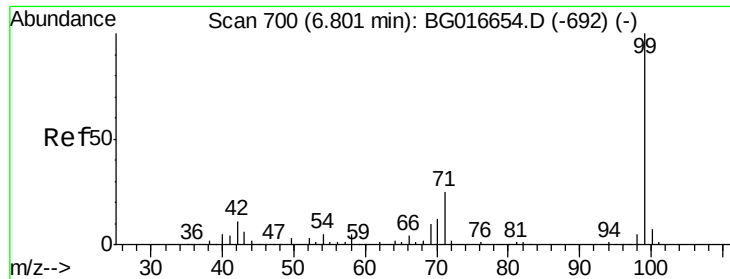
64 46.6 38.3 57.5

63 22.7 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.43 ng

RT: 6.80 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

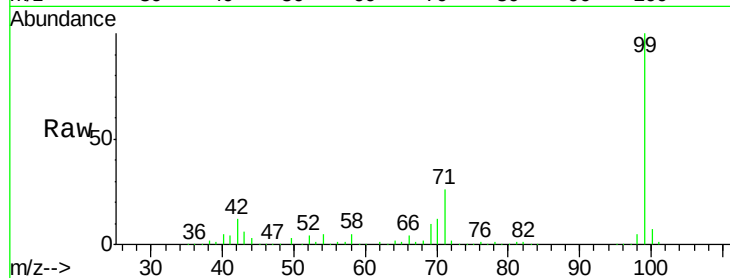
Tgt Ion: 99 Resp: 518824

Ion Ratio Lower Upper

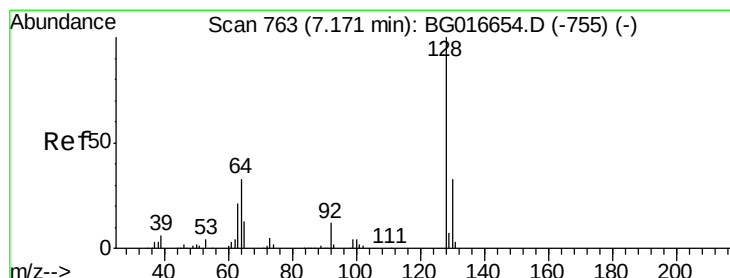
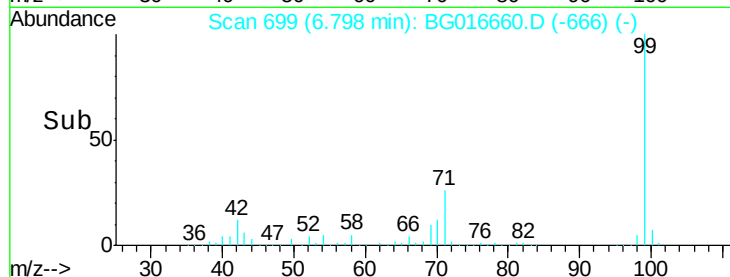
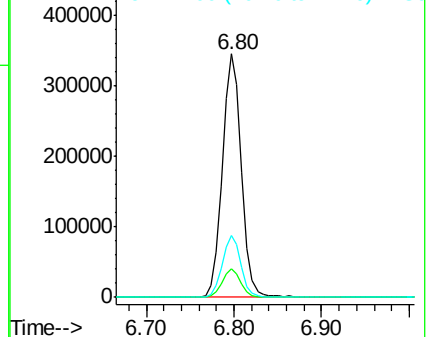
99 100

42 11.8 8.8 13.2

71 25.6 19.9 29.9



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 0.02 ng

RT: 7.17 min Scan# 762

Delta R.T. -0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

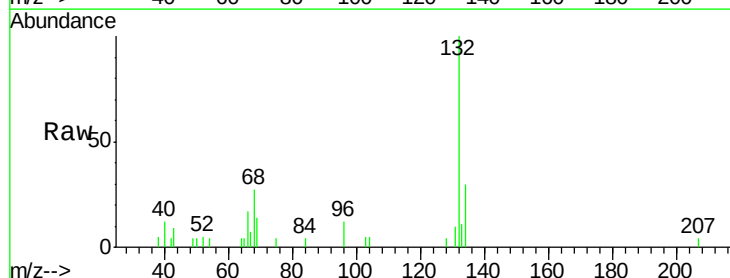
Tgt Ion: 128 Resp: 60

Ion Ratio Lower Upper

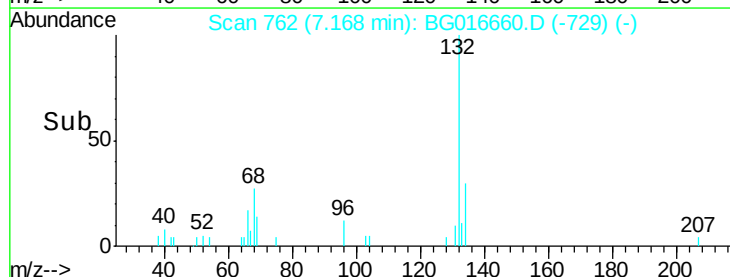
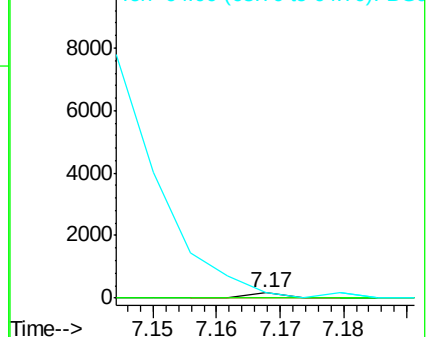
128 100

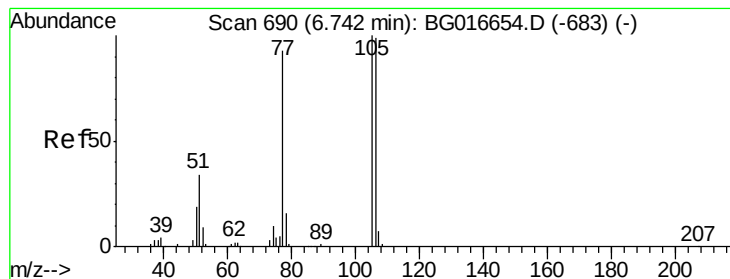
130 0.0 13.5 53.5#

64 115.9 15.8 55.8#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.34 ng

RT: 6.80 min Scan# 699

Delta R.T. 0.06 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

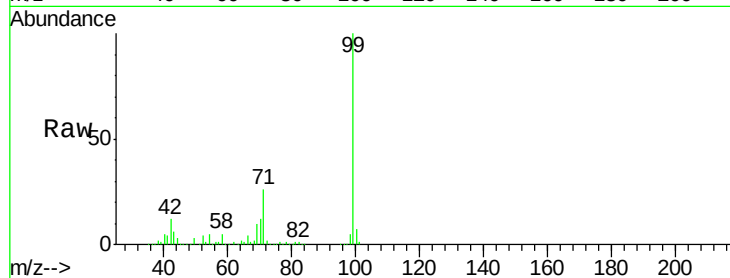
Tgt Ion: 77 Resp: 583

Ion Ratio Lower Upper

77 100

105 0.0 88.0 128.0#

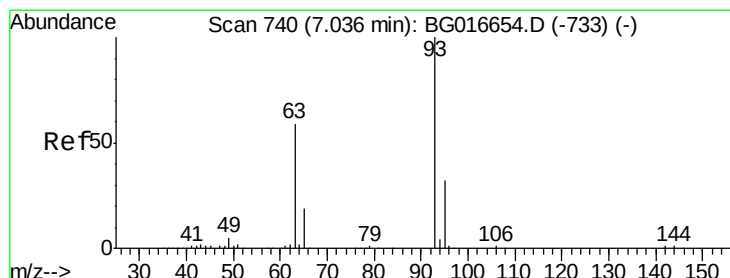
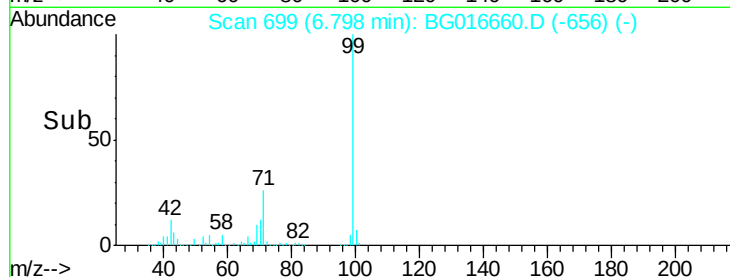
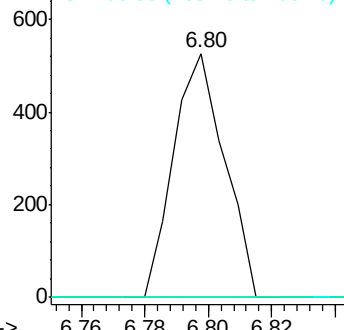
106 0.0 86.6 126.6#



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



#11

bis(2-Chloroethyl)ether

Concen: 0.14 ng

RT: 7.14 min Scan# 757

Delta R.T. 0.10 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

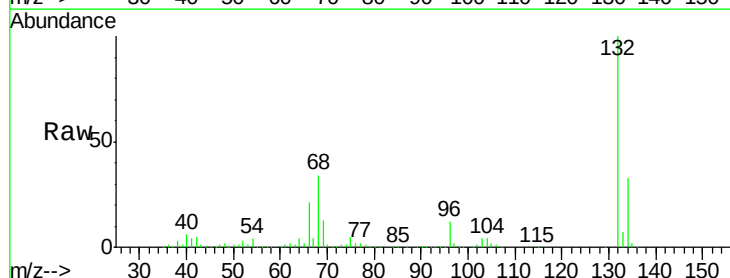
Tgt Ion: 93 Resp: 481

Ion Ratio Lower Upper

93 100

63 559.0 39.2 79.2#

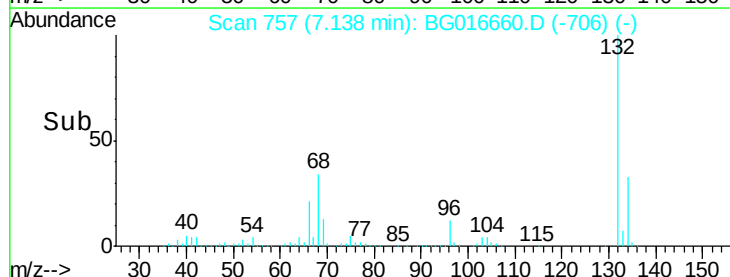
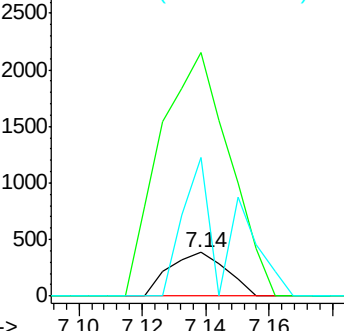
95 319.5 11.9 51.9#

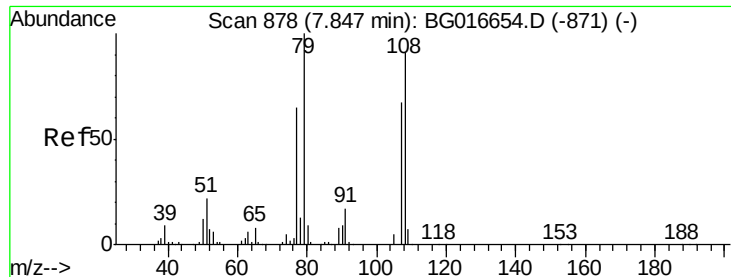


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC





#15

Benzyl Alcohol

Concen: 1.50 ng

RT: 7.91 min Scan# 889

Delta R.T. 0.07 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

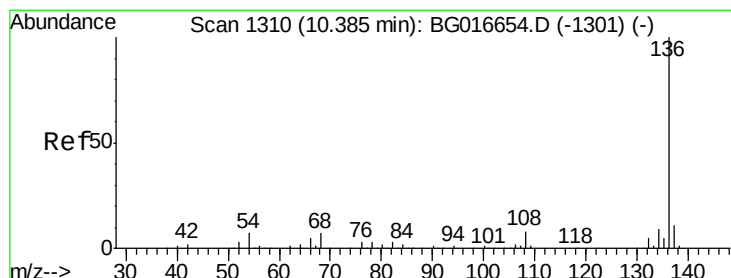
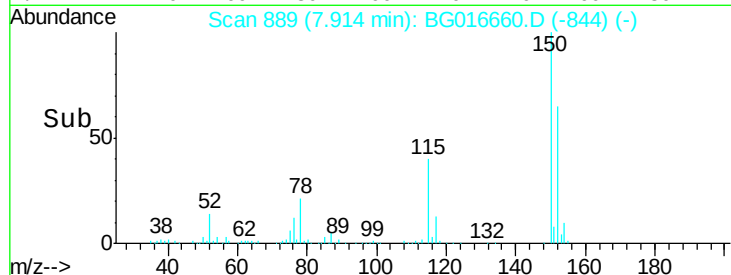
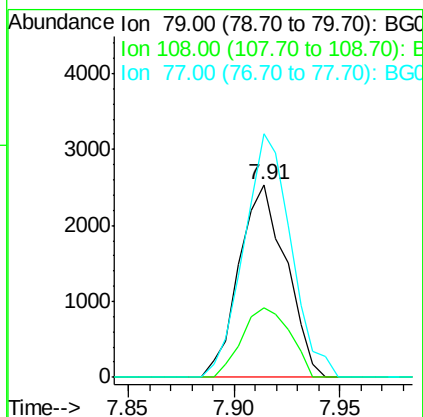
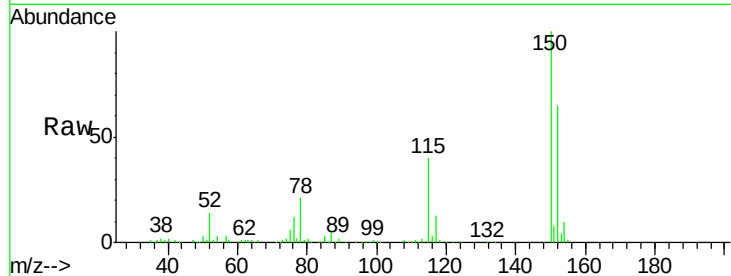
Tgt Ion: 79 Resp: 3926

Ion Ratio Lower Upper

79 100

108 35.8 73.0 109.4#

77 126.2 51.8 77.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.38 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Tgt Ion: 136 Resp: 196999

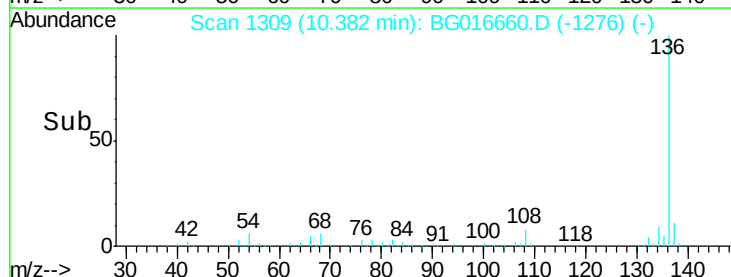
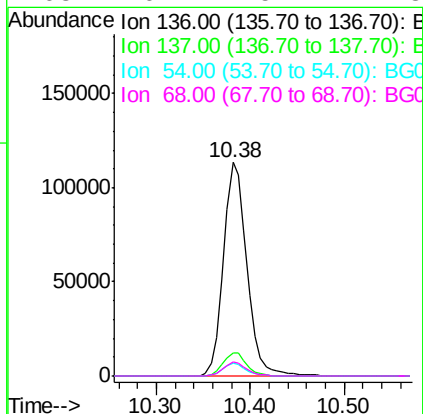
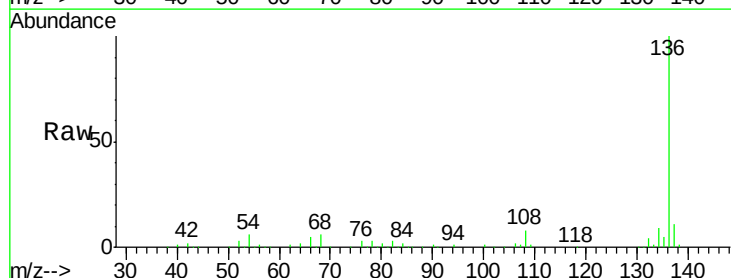
Ion Ratio Lower Upper

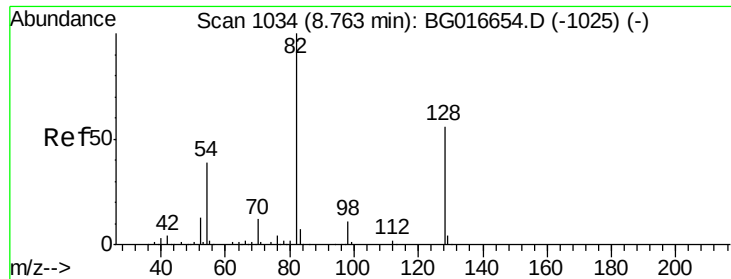
136 100

137 10.8 8.5 12.7

54 6.3 5.4 8.2

68 6.4 5.2 7.8

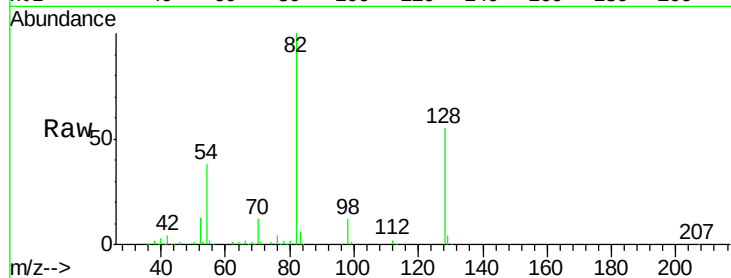




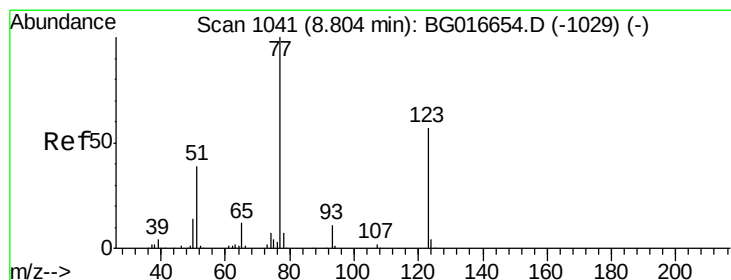
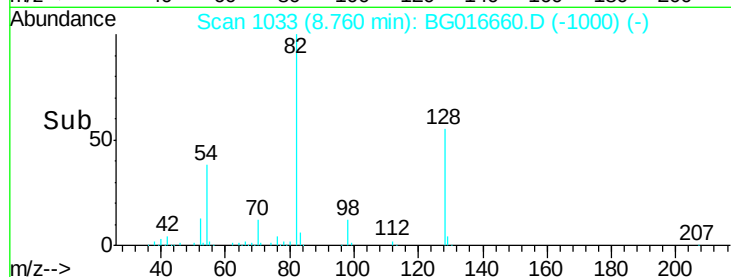
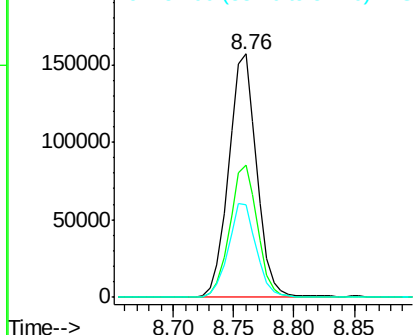
#23
 Nitrobenzene-d5
 Concen: 81.04 ng
 RT: 8.76 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BG016660.D
 Acq: 23 Apr 2015 19:43

Instrument :
 BNA_F
 ClientSampleId :
 PB82889BL

Tgt Ion: 82 Resp: 252669
 Ion Ratio Lower Upper
 82 100
 128 54.5 44.7 67.1
 54 38.1 30.9 46.3

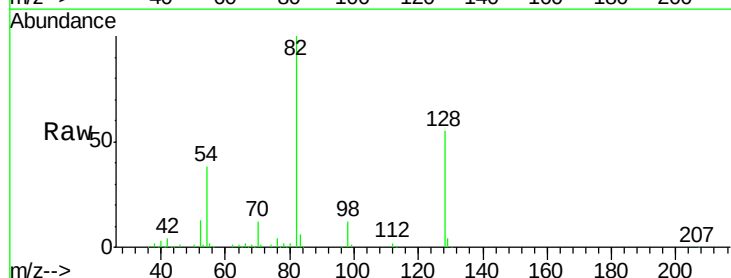


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

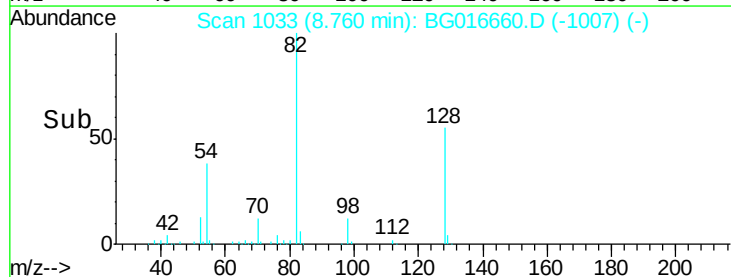
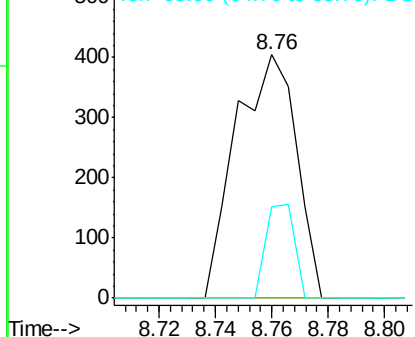


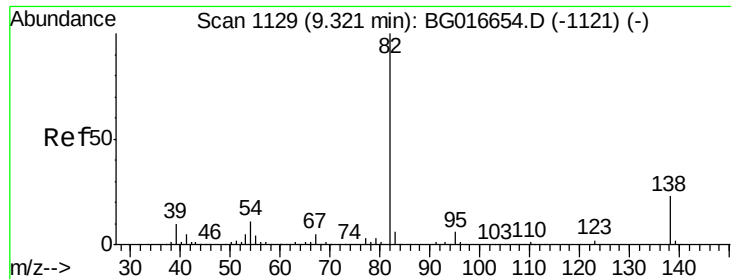
#24
 Nitrobenzene
 Concen: 0.18 ng
 RT: 8.76 min Scan# 1033
 Delta R.T. -0.04 min
 Lab File: BG016660.D
 Acq: 23 Apr 2015 19:43

Tgt Ion: 77 Resp: 600
 Ion Ratio Lower Upper
 77 100
 123 0.0 45.6 68.4#
 65 37.3 9.4 14.2#



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





#25

Isophorone

Concen: 0.01 ng

RT: 9.18 min Scan# 1105

Delta R.T. -0.14 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

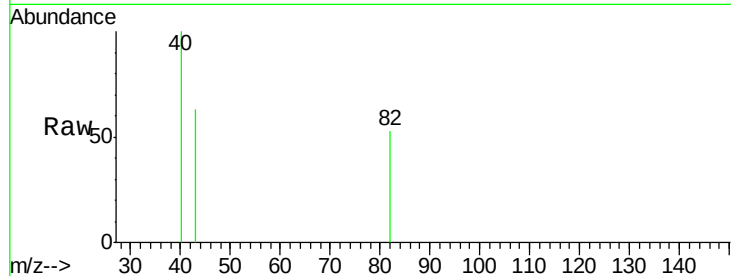
Tgt Ion: 82 Resp: 61

Ion Ratio Lower Upper

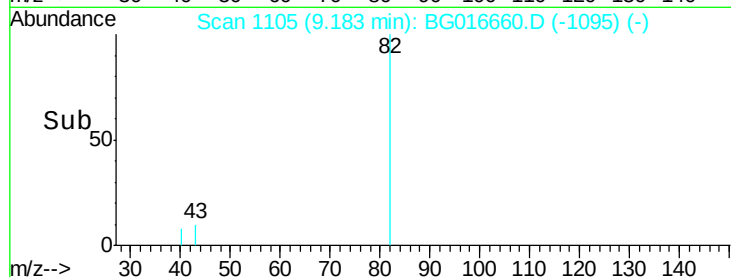
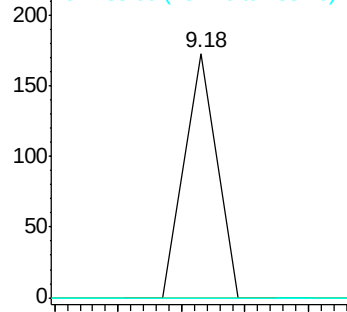
82 100

95 0.0 5.0 7.6#

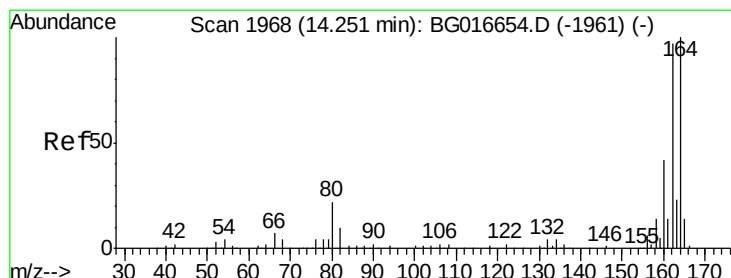
138 0.0 18.2 27.2#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.25 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

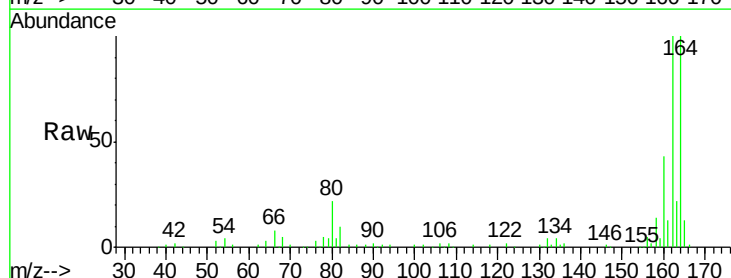
Tgt Ion: 164 Resp: 107496

Ion Ratio Lower Upper

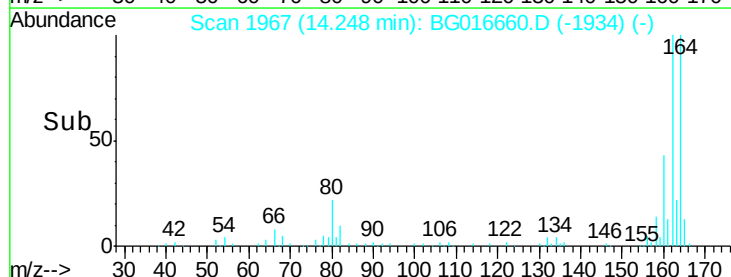
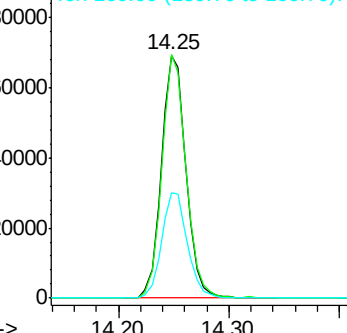
164 100

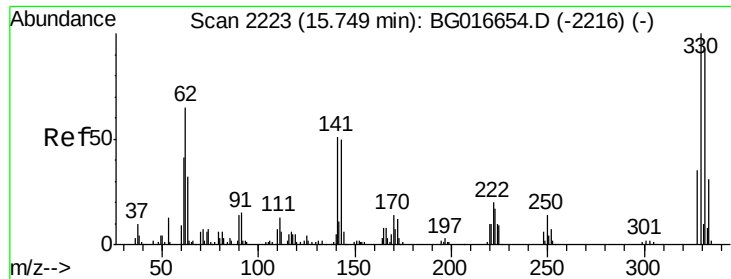
162 100.5 77.3 115.9

160 43.3 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

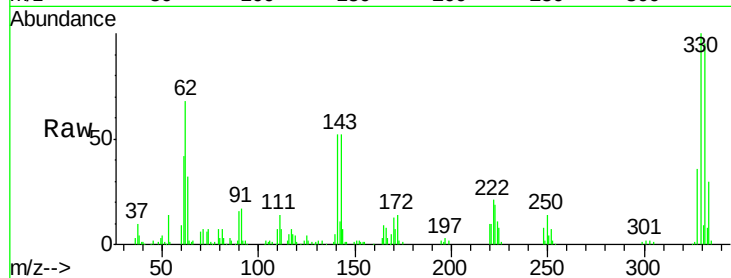




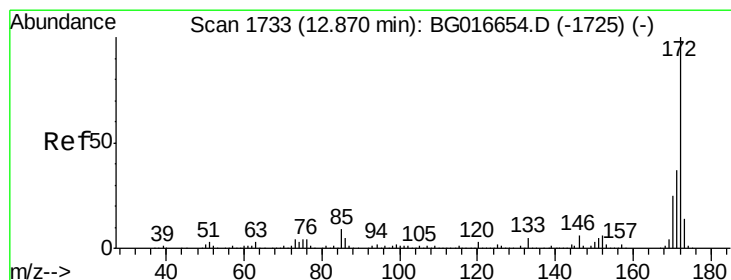
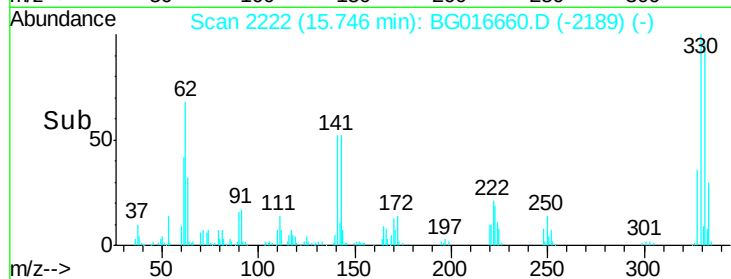
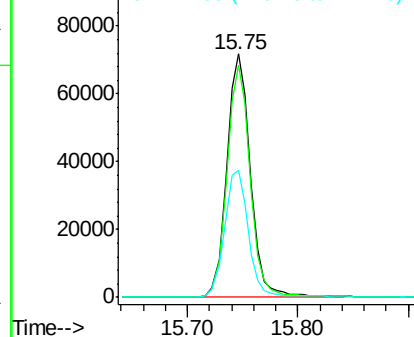
#41
 2,4,6-Tribromophenol
 Concen: 134.37 ng
 RT: 15.75 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG016660.D
 Acq: 23 Apr 2015 19:43

Instrument :
 BNA_F
 ClientSampleID :
 PB82889BL

Tgt Ion:330 Resp: 107159
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.2 114.4
 141 53.2 43.0 64.6

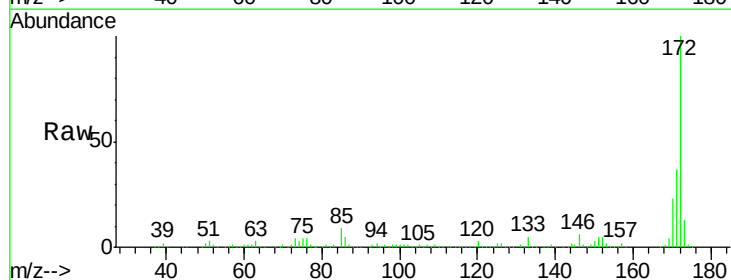


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

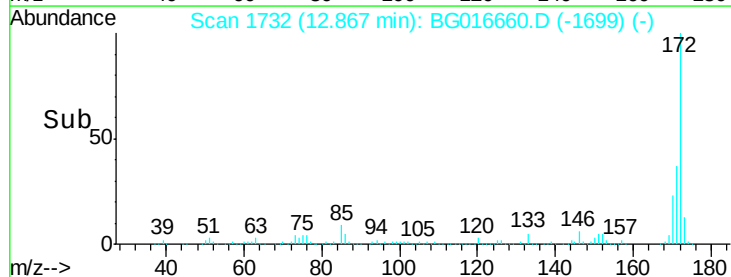
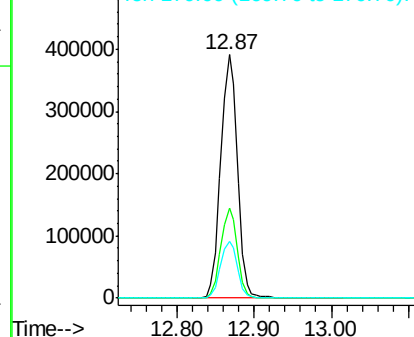


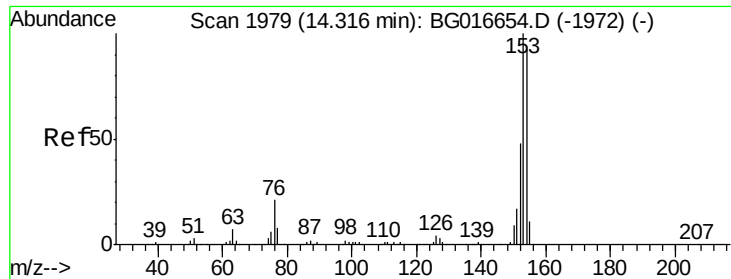
#44
 2-Fluorobiphenyl
 Concen: 87.02 ng
 RT: 12.87 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG016660.D
 Acq: 23 Apr 2015 19:43

Tgt Ion:172 Resp: 582227
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.9 44.9
 170 23.4 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 0.03 ng

RT: 14.25 min Scan# 1968

Delta R.T. -0.06 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

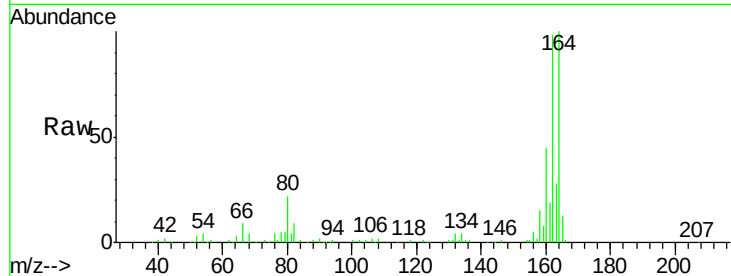
Tgt Ion: 154 Resp: 203

Ion Ratio Lower Upper

154 100

153 0.0 87.0 130.6#

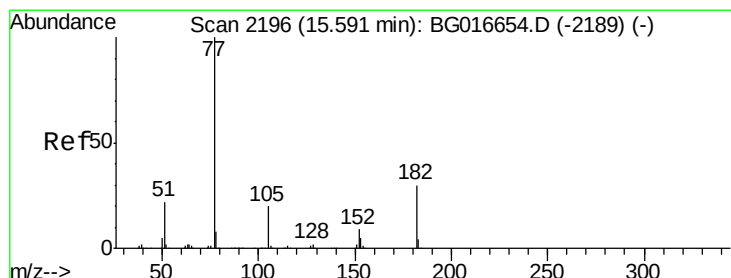
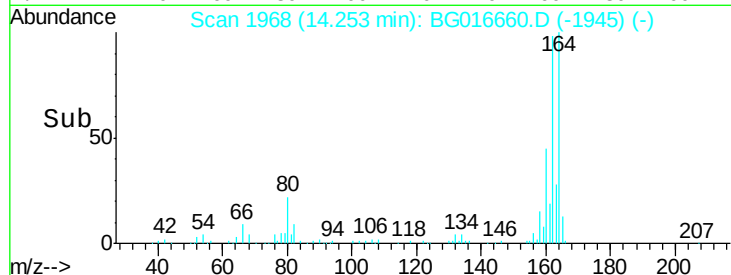
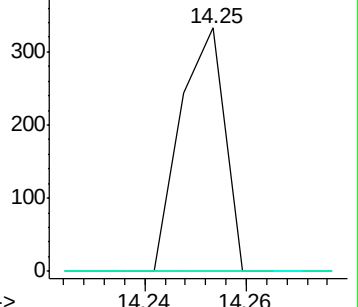
152 0.0 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#62

Azobenzene

Concen: 0.13 ng

RT: 15.75 min Scan# 2223

Delta R.T. 0.16 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Tgt Ion: 77 Resp: 989

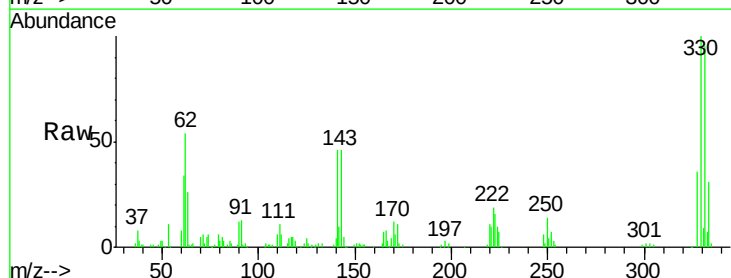
Ion Ratio Lower Upper

77 100

182 0.0 9.8 49.8#

105 64.0 0.0 39.5#

51 39.4 1.9 41.9

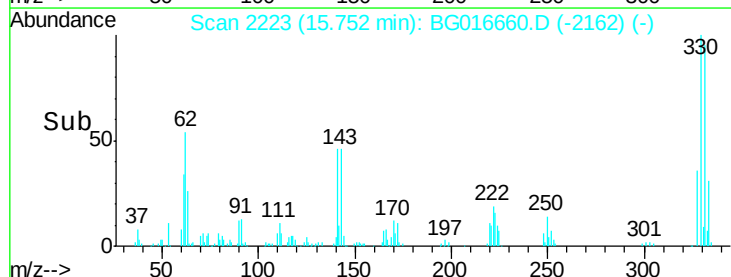
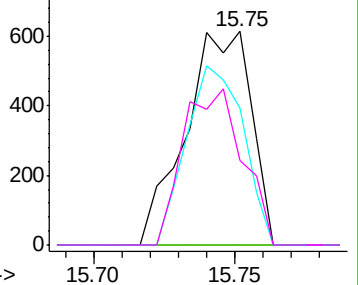


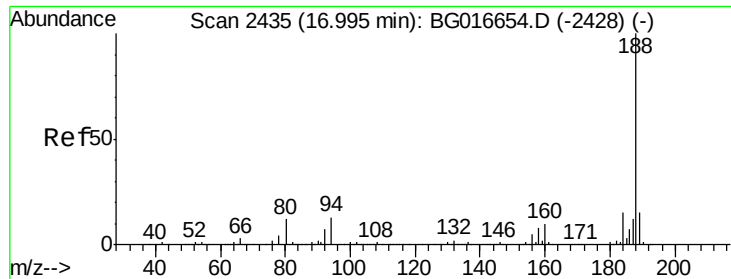
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

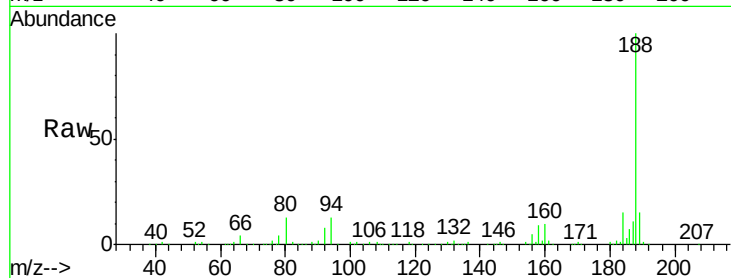




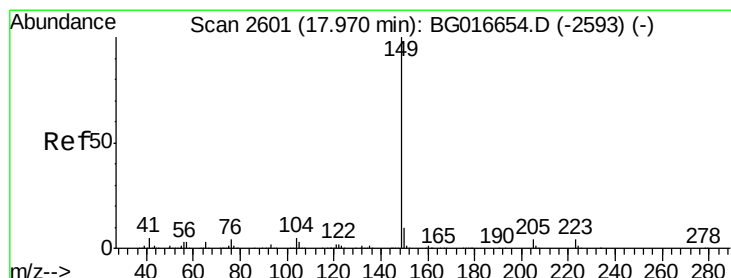
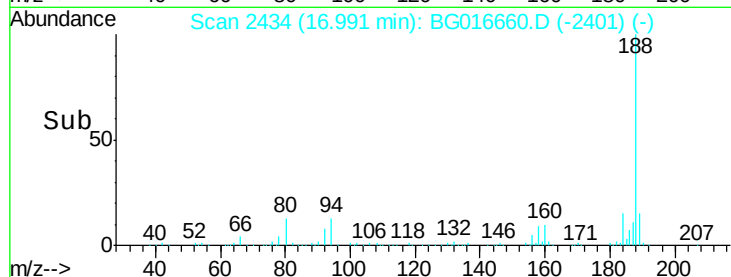
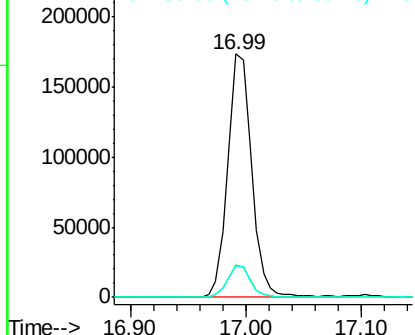
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.99 min Scan# 2434
Delta R.T. -0.00 min
Lab File: BG016660.D
Acq: 23 Apr 2015 19:43

Instrument :
BNA_F
ClientSampleId :
PB82889BL

Tgt Ion:188 Resp: 250401
Ion Ratio Lower Upper
188 100
94 13.1 10.7 16.1
80 12.7 9.9 14.9

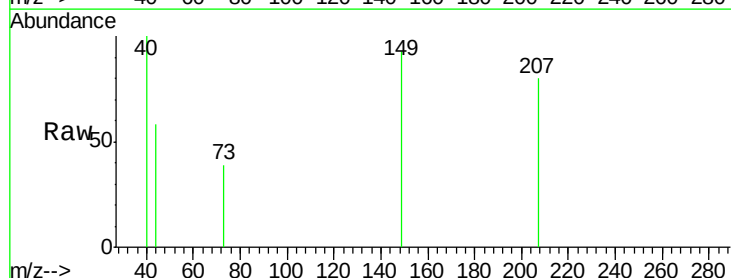


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

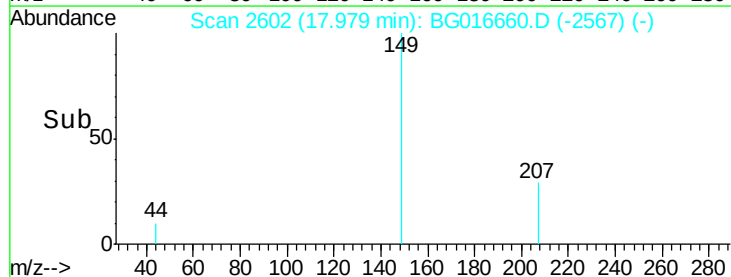
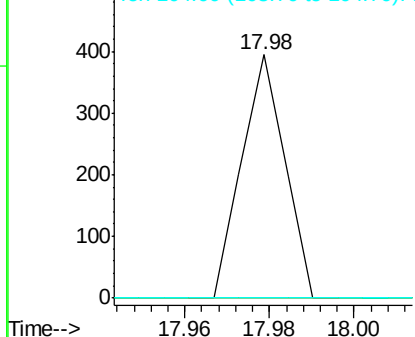


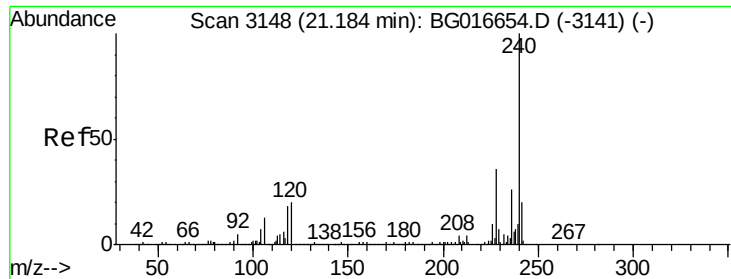
#73
Di-n-butylphthalate
Concen: 0.02 ng
RT: 17.98 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BG016660.D
Acq: 23 Apr 2015 19:43

Tgt Ion:149 Resp: 279
Ion Ratio Lower Upper
149 100
150 0.0 7.8 11.6#
104 0.0 3.6 5.4#



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

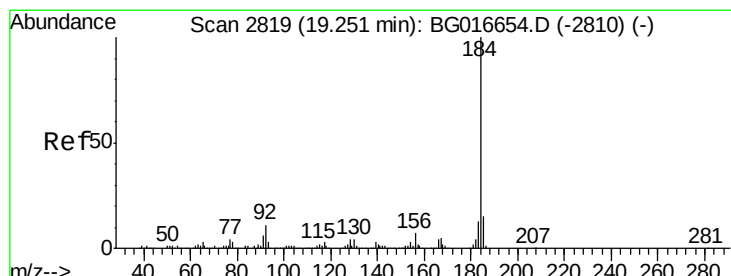
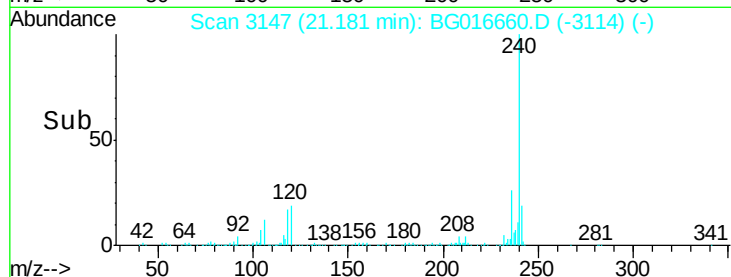
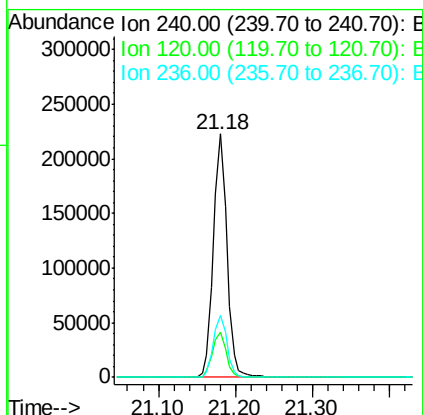
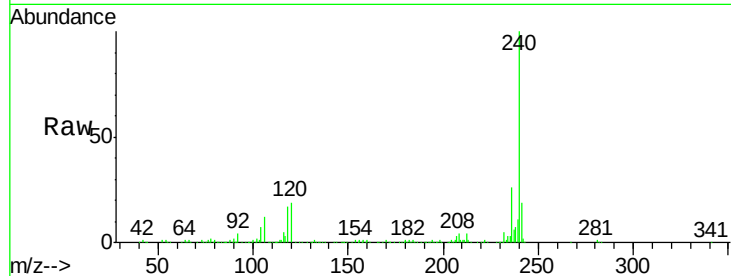




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.18 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BG016660.D
Acq: 23 Apr 2015 19:43

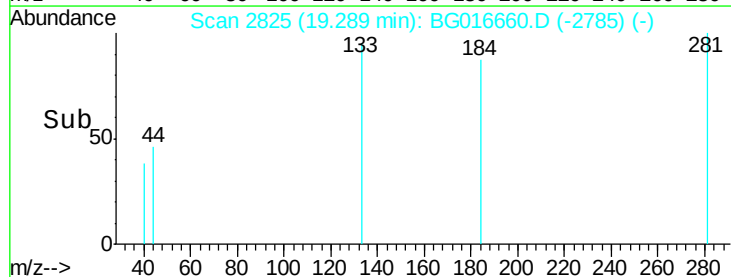
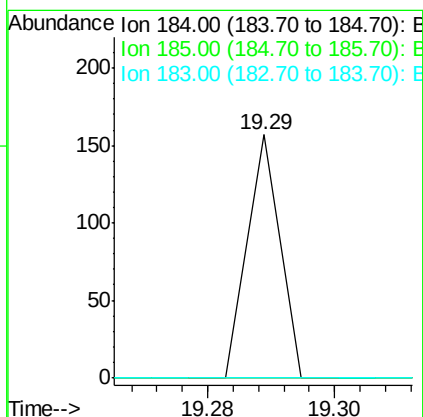
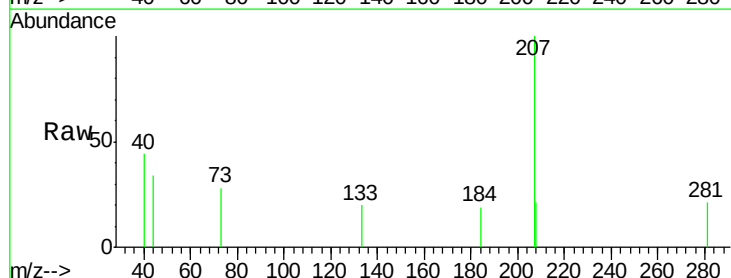
Instrument :
BNA_F
ClientSampleId :
PB82889BL

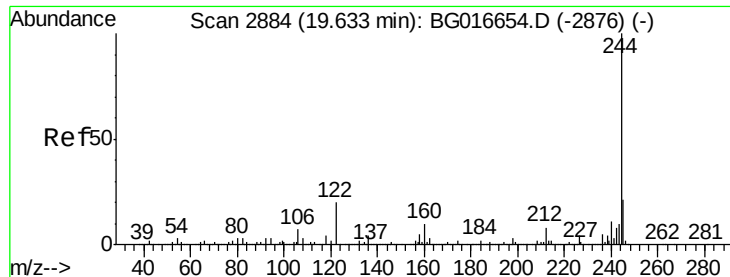
Tgt Ion:240 Resp: 268600
Ion Ratio Lower Upper
240 100
120 18.6 16.3 24.5
236 25.7 21.1 31.7



#76
Benzidine
Concen: 0.01 ng
RT: 19.29 min Scan# 2825
Delta R.T. 0.04 min
Lab File: BG016660.D
Acq: 23 Apr 2015 19:43

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
185 0.0 12.3 18.5#
183 0.0 10.1 15.1#





#78

Terphenyl-d14

Concen: 76.63 ng

RT: 19.63 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

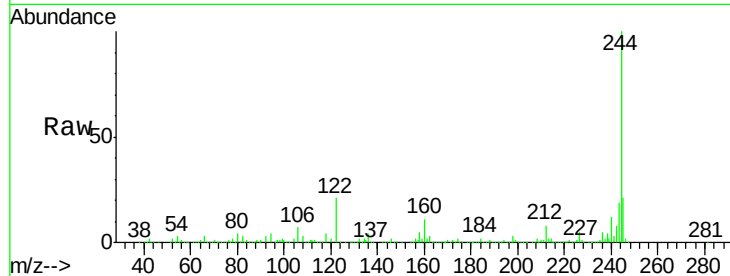
BNA_F

ClientSampleId :

PB82889BL

Tgt Ion:244 Resp: 893567

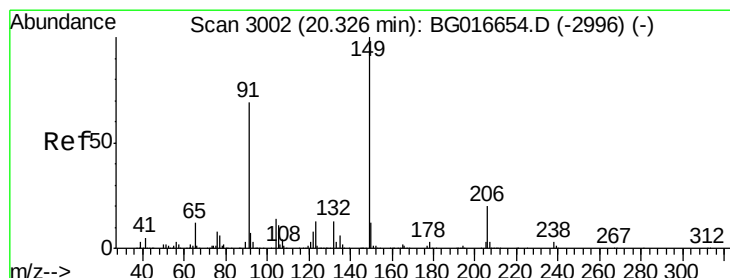
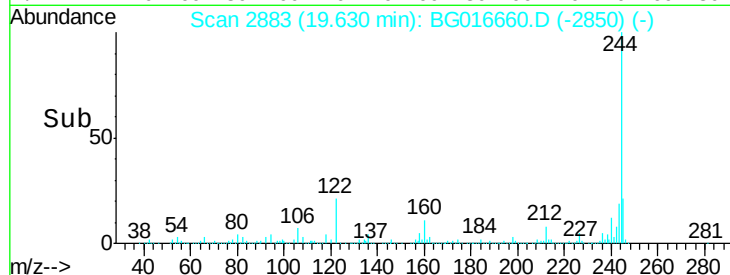
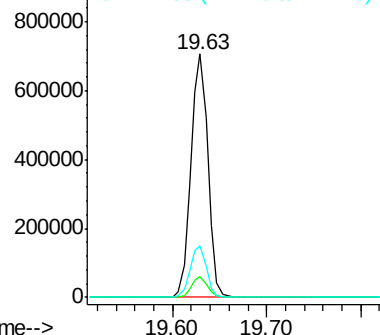
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.4	9.6
122	21.4	15.9	23.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.01 ng

RT: 20.41 min Scan# 3015

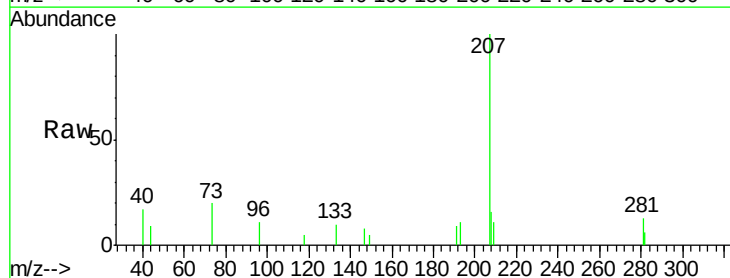
Delta R.T. 0.08 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Tgt Ion:149 Resp: 56

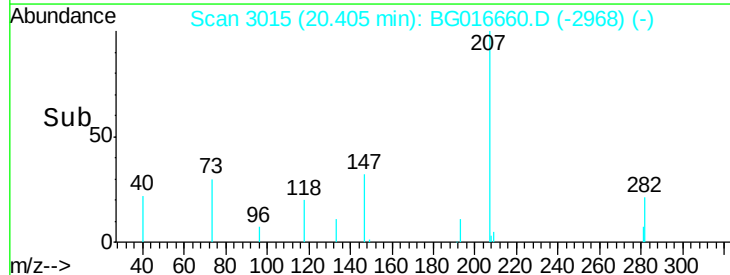
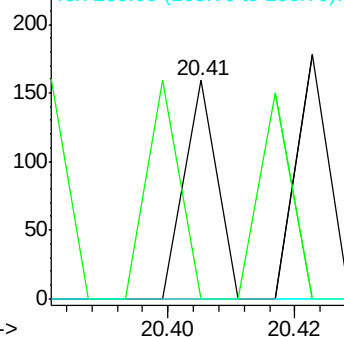
Ion	Ratio	Lower	Upper
149	100		
91	0.0	55.4	83.0#
206	0.0	16.4	24.6#

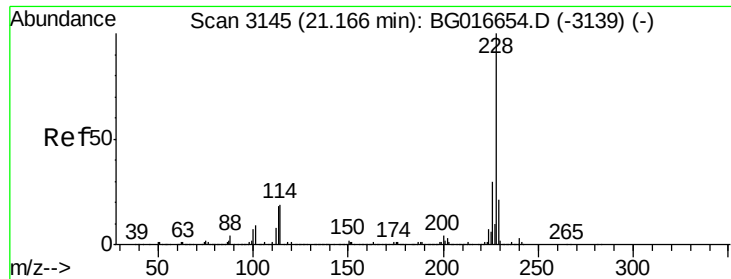


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.18 min Scan# 3147

Delta R.T. 0.01 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

Instrument :

BNA_F

ClientSampleId :

PB82889BL

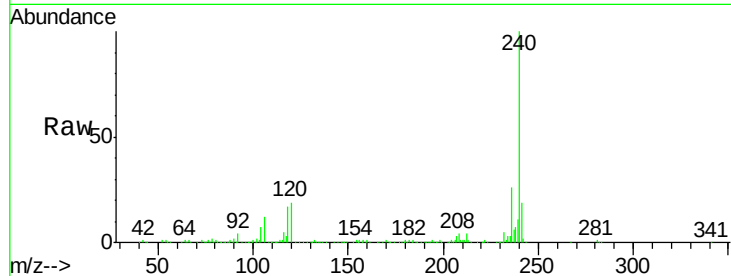
Tgt Ion:228 Resp: 686

Ion Ratio Lower Upper

228 100

226 0.0 23.8 35.6#

229 27.4 17.0 25.4#



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

21.18

600

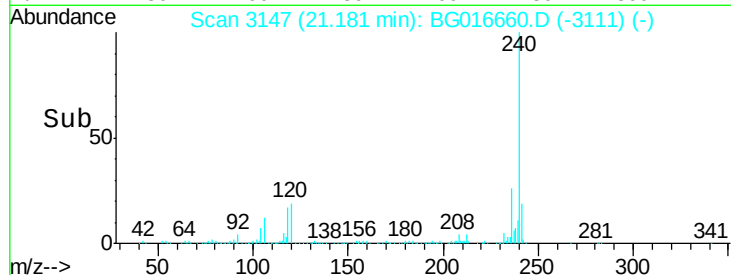
400

200

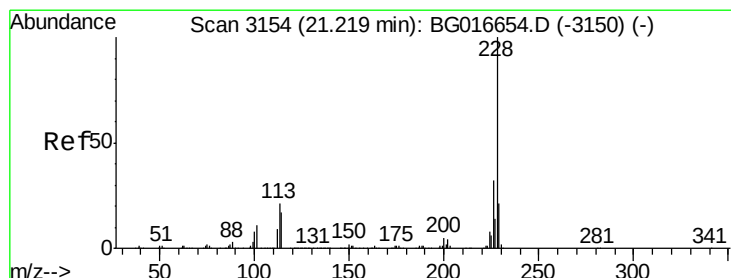
0

21.15

21.20



Time-->



#82

Chrysene

Concen: 0.04 ng

RT: 21.18 min Scan# 3147

Delta R.T. -0.04 min

Lab File: BG016660.D

Acq: 23 Apr 2015 19:43

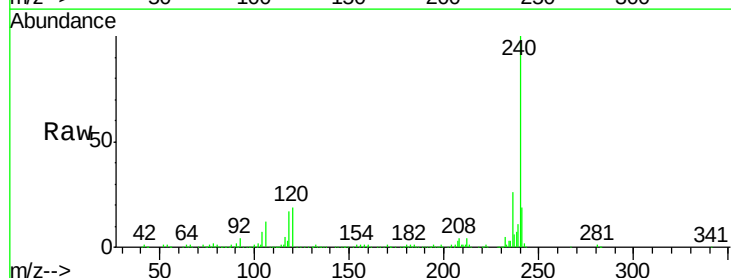
Tgt Ion:228 Resp: 686

Ion Ratio Lower Upper

228 100

226 0.0 25.4 38.0#

229 27.4 16.5 24.7#



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

21.18

600

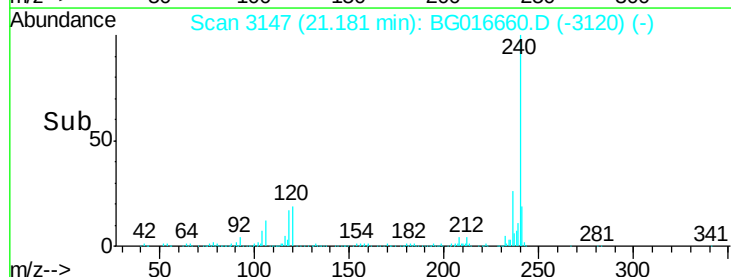
400

200

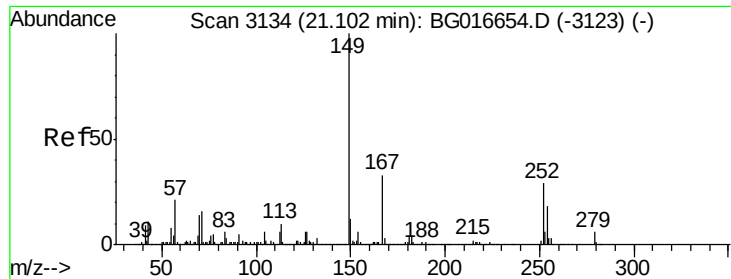
0

21.15

21.20



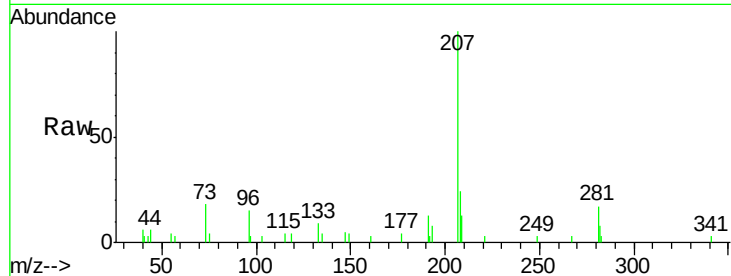
Time-->



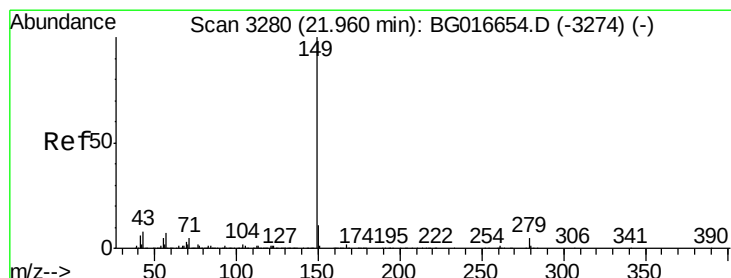
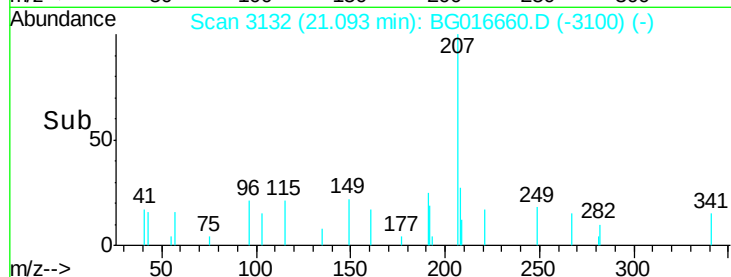
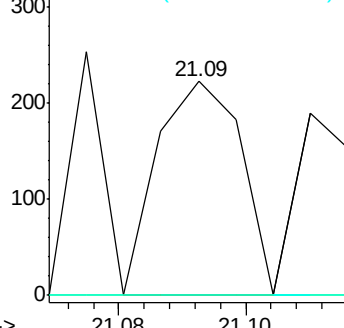
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.02 ng
 RT: 21.09 min Scan# 3132
 Delta R.T. -0.01 min
 Lab File: BG016660.D
 Acq: 23 Apr 2015 19:43

Instrument :
 BNA_F
 ClientSampleId :
 PB82889BL

Tgt Ion:149 Resp: 202
 Ion Ratio Lower Upper
 149 100
 167 0.0 26.6 39.8#
 279 0.0 5.1 7.7#

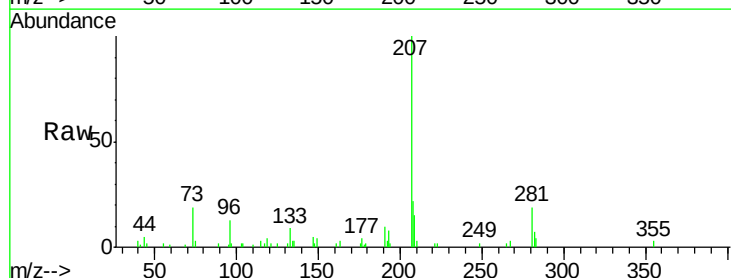


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

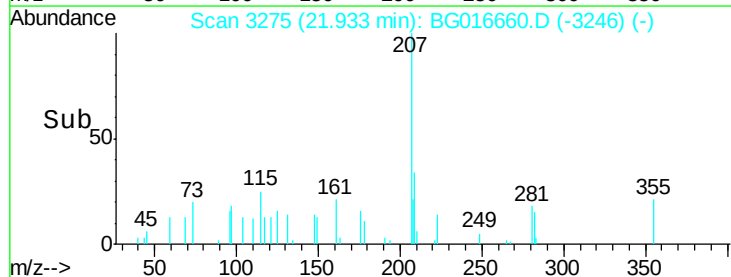
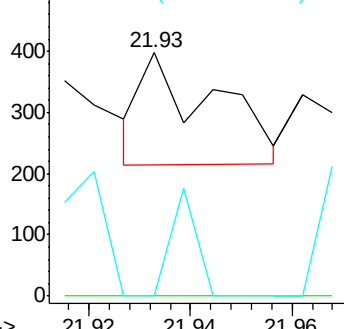


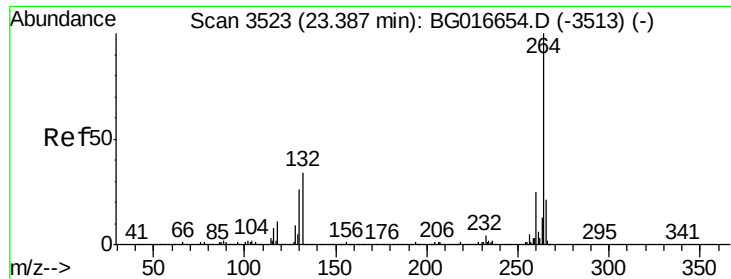
#84
 Di-n-octyl phthalate
 Concen: 0.01 ng
 RT: 21.93 min Scan# 3275
 Delta R.T. -0.03 min
 Lab File: BG016660.D
 Acq: 23 Apr 2015 19:43

Tgt Ion:149 Resp: 184
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.4 2.0#
 43 33.7 5.7 8.5#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BG0

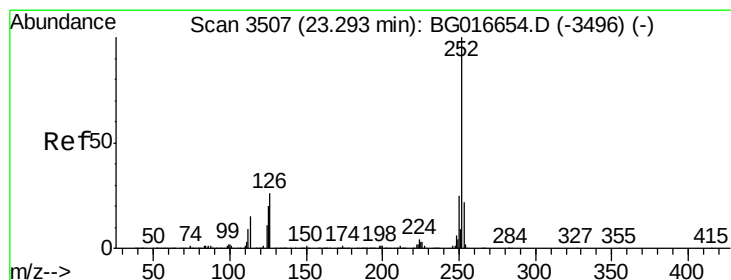
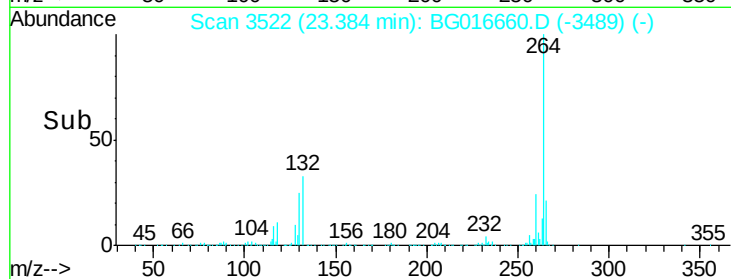
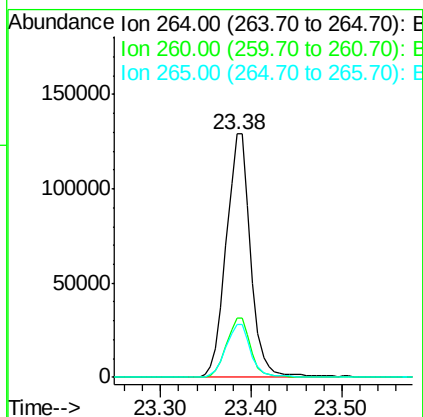
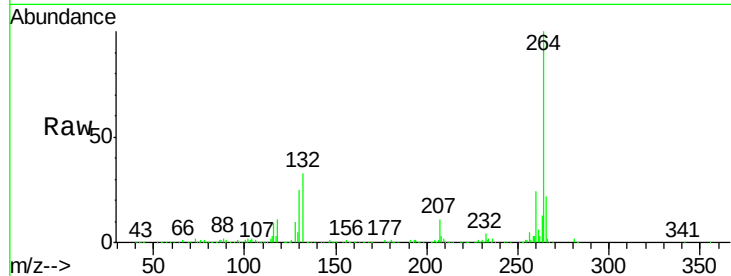




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.38 min Scan# 3522
Delta R.T. -0.00 min
Lab File: BG016660.D
Acq: 23 Apr 2015 19:43

Instrument :
BNA_F
ClientSampleId :
PB82889BL

Tgt Ion: 264 Resp: 242429
Ion Ratio Lower Upper
264 100
260 24.4 20.0 30.0
265 21.5 16.8 25.2



#89
Benzo(a)pyrene
Concen: 0.01 ng
RT: 23.30 min Scan# 3508
Delta R.T. 0.01 min
Lab File: BG016660.D
Acq: 23 Apr 2015 19:43

Tgt Ion: 252 Resp: 70
Ion Ratio Lower Upper
252 100
253 0.0 17.2 25.8#
125 0.0 16.3 24.5#

