

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042715\
 Data File : BG016740.D
 Acq On : 27 Apr 2015 19:01
 Operator : TP/IZ
 Sample : G1925-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AS-14(9.5-10)

Quant Time: Apr 28 01:09:06 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 00:54:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	56467	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	247566	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	150194	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	278709	20.00	ng	0.00
75) Chrysene-d12	21.17	240	209351	20.00	ng	0.00
86) Perylene-d12	23.37	264	200205	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	375254	107.84	ng	0.00
7) Phenol-d6	6.78	99	506294	103.71	ng	0.00
23) Nitrobenzene-d5	8.73	82	270239	68.97	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	126135	113.20	ng	0.00
44) 2-Fluorobiphenyl	12.85	172	697459	74.61	ng	0.00
78) Terphenyl-d14	19.61	244	725028	79.78	ng	0.00

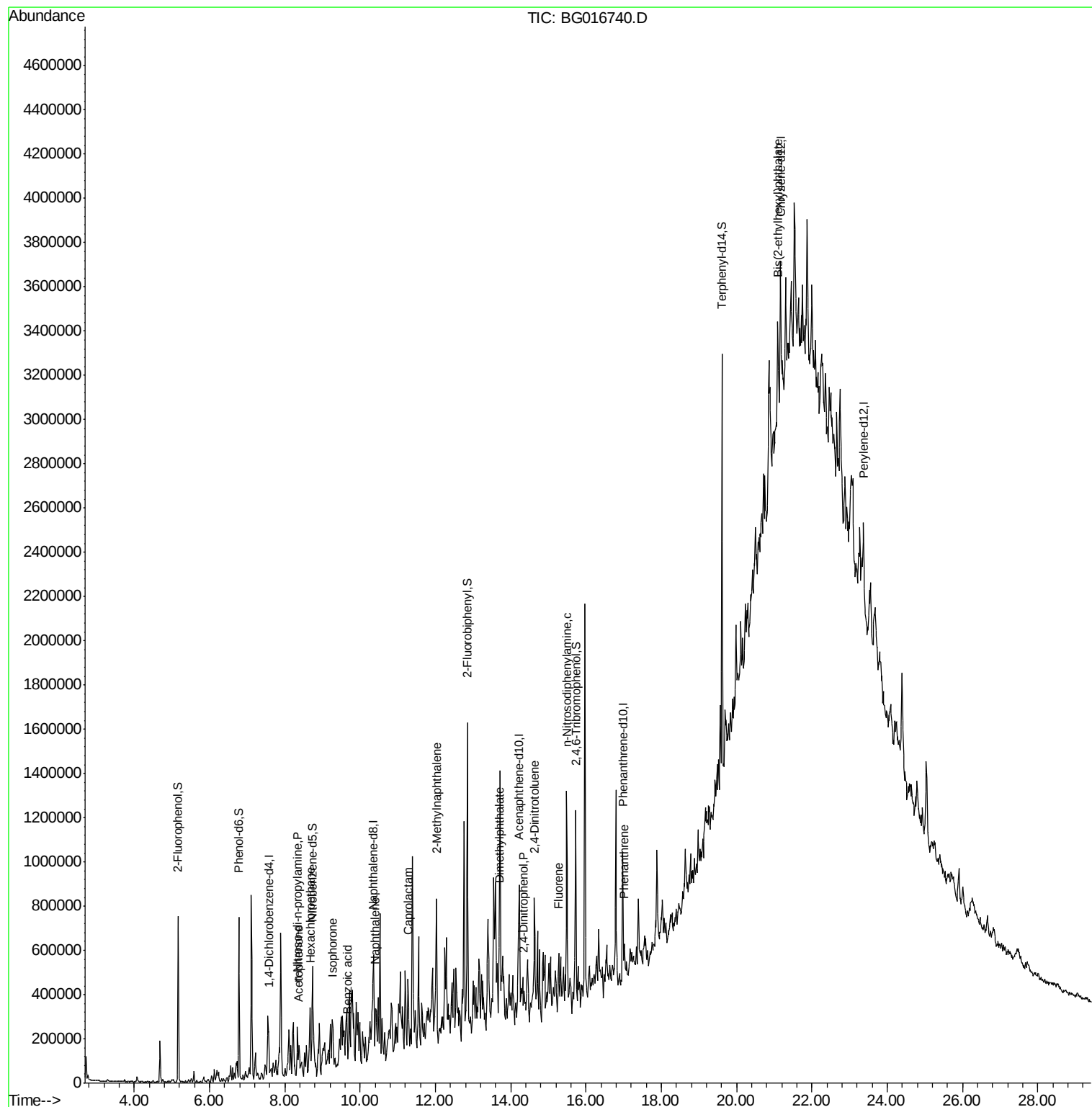
Target Compounds						Qvalue
18) Hexachloroethane	8.67	117	18251	11.39	ng	# 1
19) n-Nitroso-di-n-propylamine	8.33	70	9902	3.25	ng	# 58
22) Acetophenone	8.37	105	64103	11.80	ng	# 52
25) Isophorone	9.28	82	20796	2.56	ng	# 1
31) Naphthalene	10.41	128	51268	3.93	ng	# 85
32) Benzoic acid	9.67	122	12520	13.58	ng	92
35) Caprolactam	11.28	113	4111	2.25	ng	# 1
37) 2-Methylnaphthalene	12.03	142	306497	32.51	ng	100
49) Dimethylphthalate	13.69	163	80846	7.20	ng	98
53) 2,4-Dinitrophenol	14.34	184	134	7.69	ng	# 1
56) 2,4-Dinitrotoluene	14.63	165	11185	2.96	ng	# 57
57) Fluorene	15.28	166	30814	2.62	ng	# 86
65) n-Nitrosodiphenylamine	15.50	169	51426	5.38	ng	# 51
70) Phenanthrene	17.02	178	82194	5.13	ng	# 94
83) Bis(2-ethylhexyl)phthalate	21.08	149	34912	3.55	ng	# 84

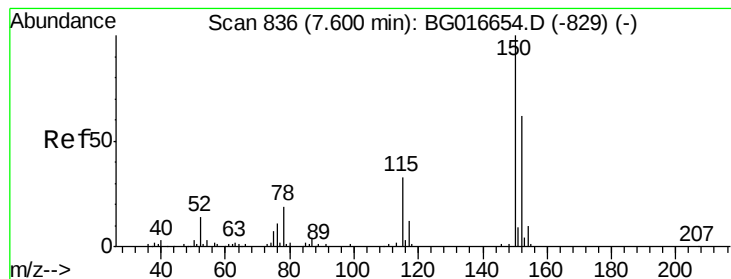
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 831

Delta R.T. -0.00 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

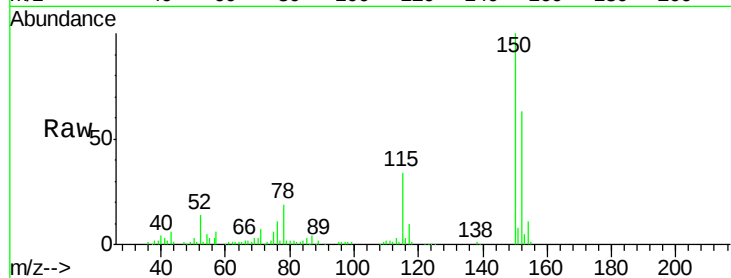
Tgt Ion:152 Resp: 56467

Ion Ratio Lower Upper

152 100

150 158.4 129.6 194.4

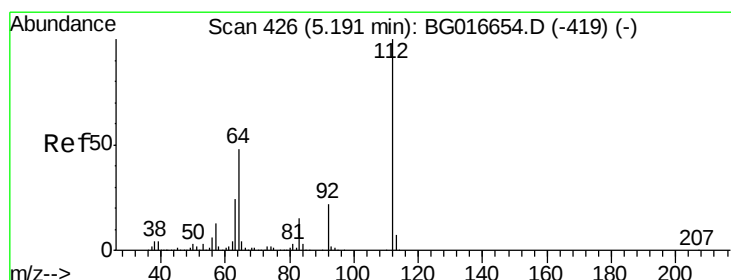
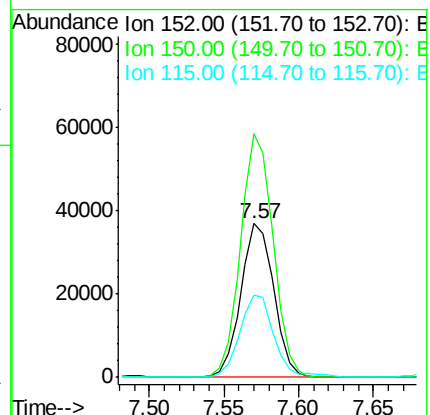
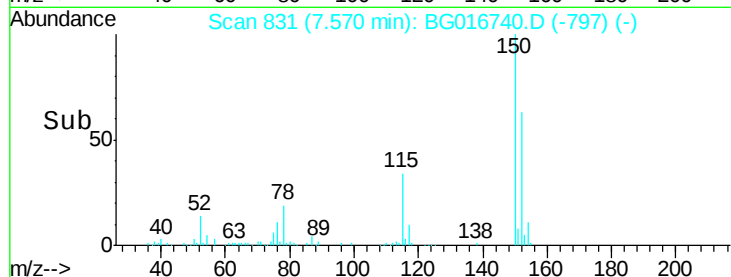
115 53.8 43.0 64.6



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



#5

2-Fluorophenol

Concen: 107.84 ng

RT: 5.17 min Scan# 422

Delta R.T. -0.00 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

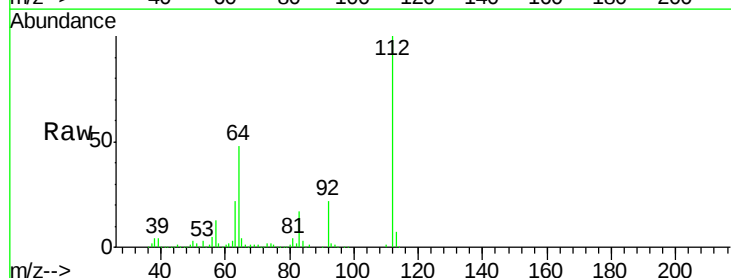
Tgt Ion:112 Resp: 375254

Ion Ratio Lower Upper

112 100

64 47.6 38.3 57.5

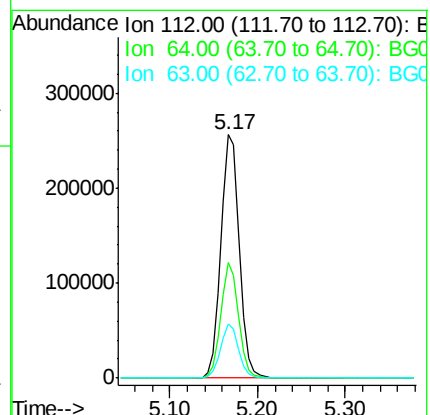
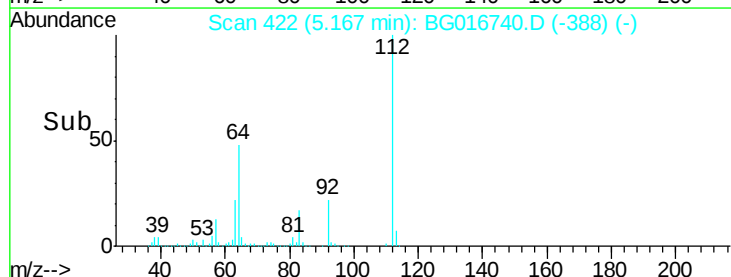
63 22.3 18.9 28.3

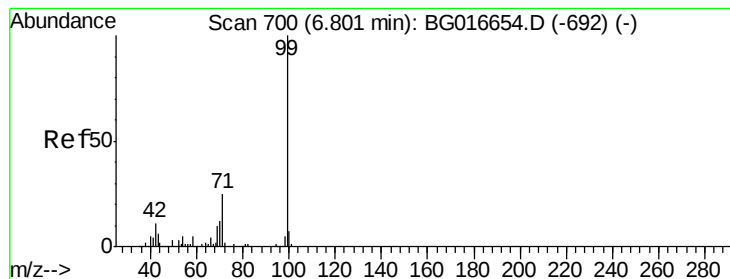


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 103.71 ng

RT: 6.78 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

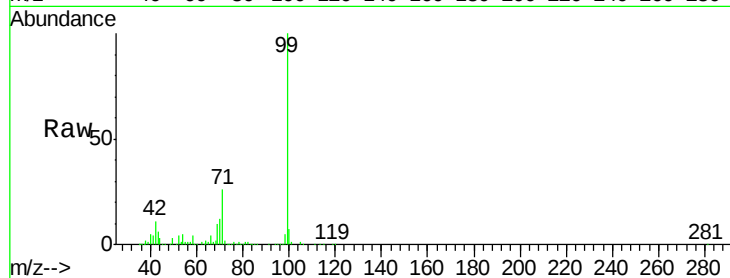
Tgt Ion: 99 Resp: 506294

Ion Ratio Lower Upper

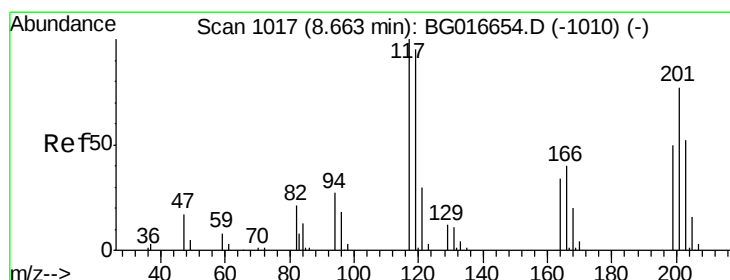
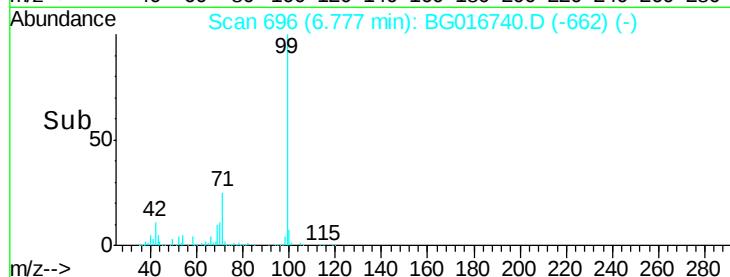
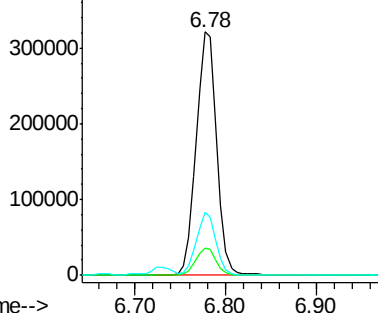
99 100

42 11.2 8.8 13.2

71 25.9 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



#18

Hexachloroethane

Concen: 11.39 ng

RT: 8.67 min Scan# 1019

Delta R.T. 0.03 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

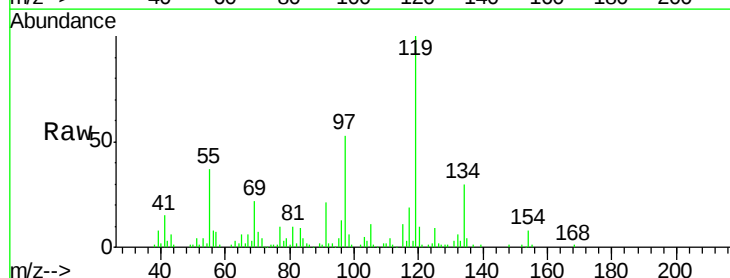
Tgt Ion: 117 Resp: 18251

Ion Ratio Lower Upper

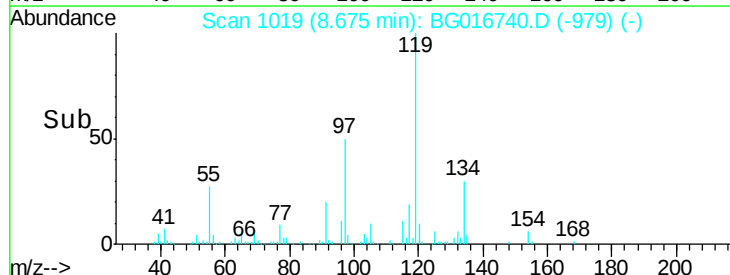
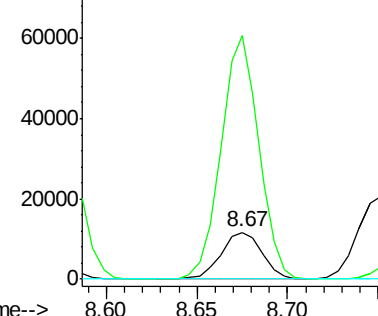
117 100

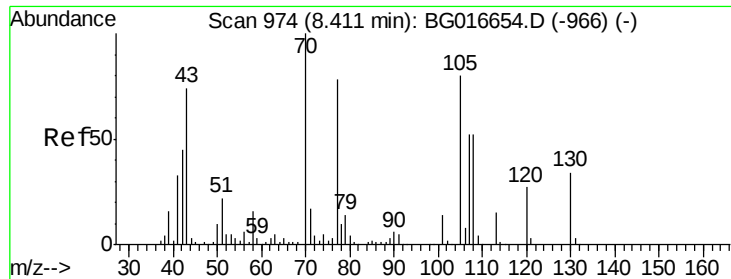
119 521.5 76.3 114.5#

201 0.0 61.5 92.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

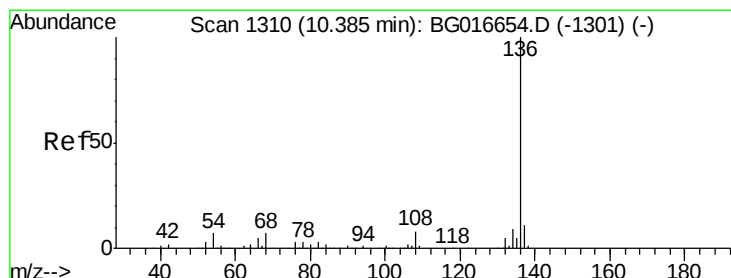
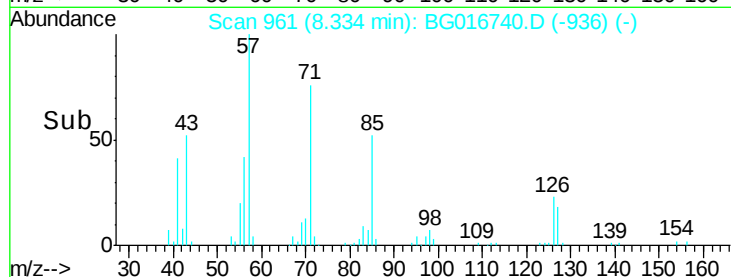
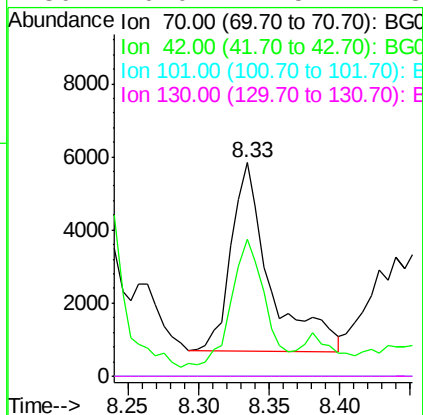
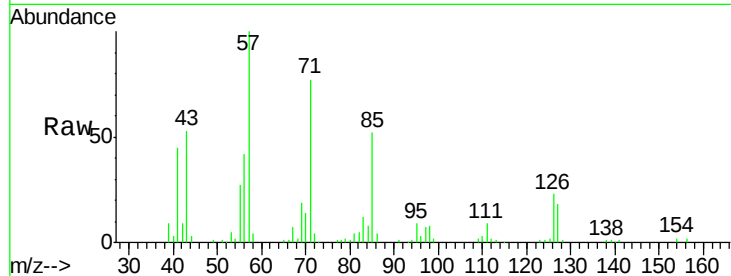




#19
n-Nitroso-di-n-propylamine
Concen: 3.25 ng
RT: 8.33 min Scan# 961
Delta R.T. -0.06 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

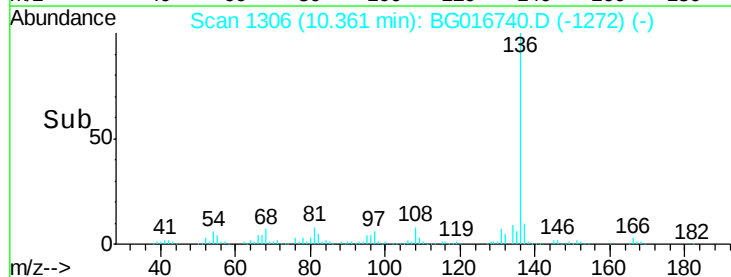
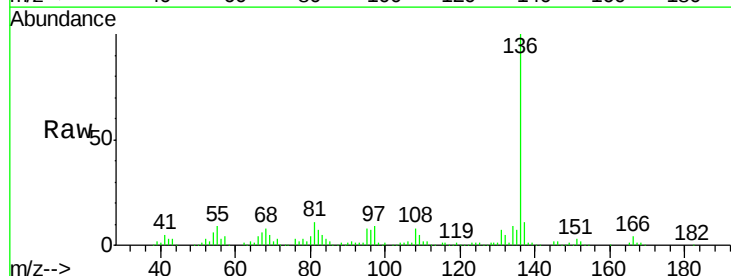
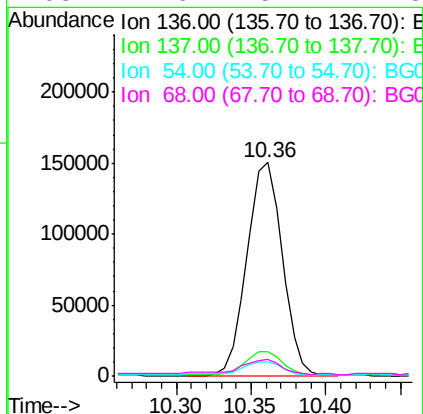
Instrument :
BNA_G
ClientSampleId :
AS-14(9.5-10)

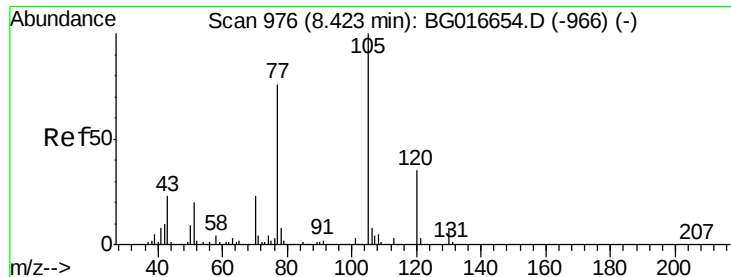
Tgt Ion: 70 Resp: 9902
Ion Ratio Lower Upper
70 100
42 64.4 35.7 53.5#
101 0.0 11.0 16.4#
130 0.0 27.5 41.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.36 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

Tgt Ion: 136 Resp: 247566
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 6.5 5.4 8.2
68 7.6 5.2 7.8





#22

Acetophenone

Concen: 11.80 ng

RT: 8.37 min Scan# 967

Delta R.T. -0.03 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

Tgt Ion:105 Resp: 64103

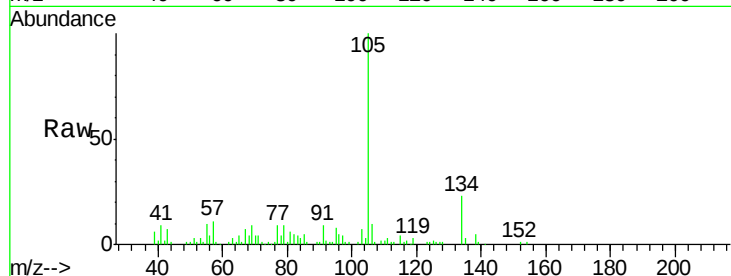
Ion Ratio Lower Upper

105 100

71 4.4 3.0 4.4

51 3.3 16.5 24.7#

120 0.0 27.8 41.6#

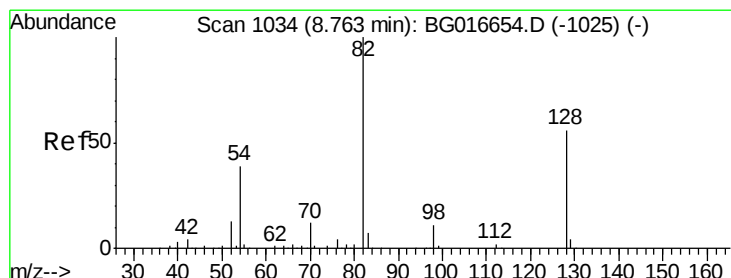
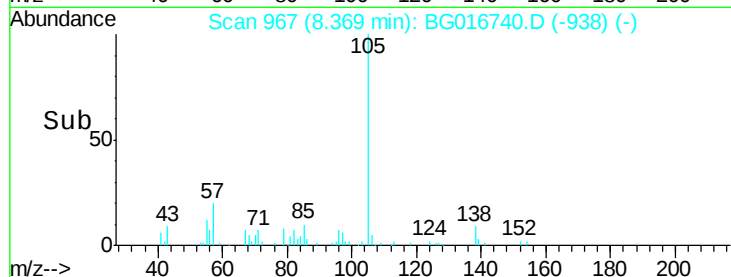
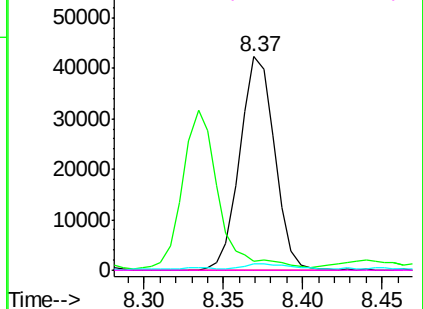


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 68.97 ng

RT: 8.73 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

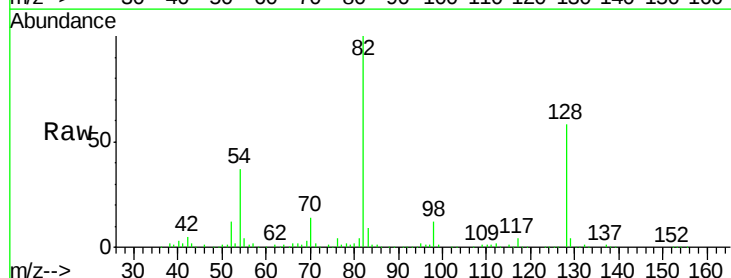
Tgt Ion: 82 Resp: 270239

Ion Ratio Lower Upper

82 100

128 57.7 44.7 67.1

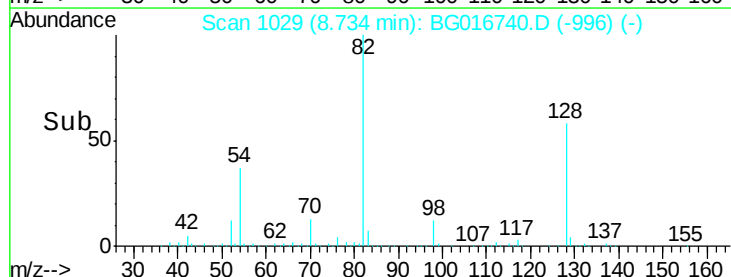
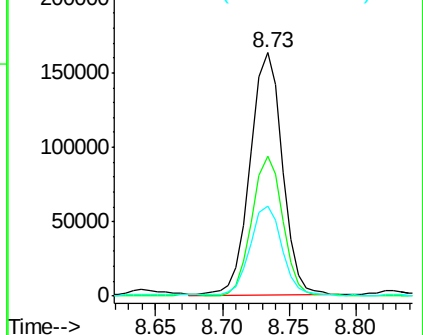
54 37.1 30.9 46.3

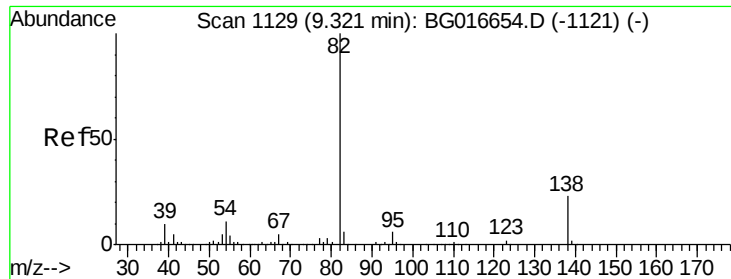


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#25

Isophorone

Concen: 2.56 ng

RT: 9.28 min Scan# 1122

Delta R.T. -0.02 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

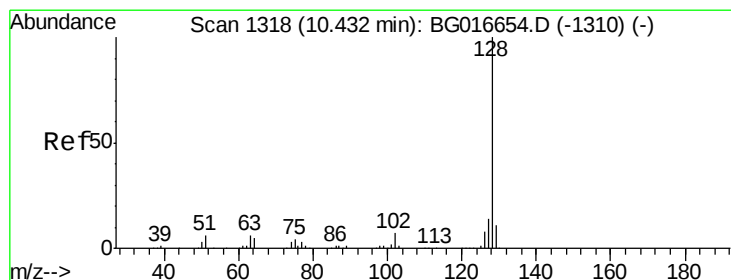
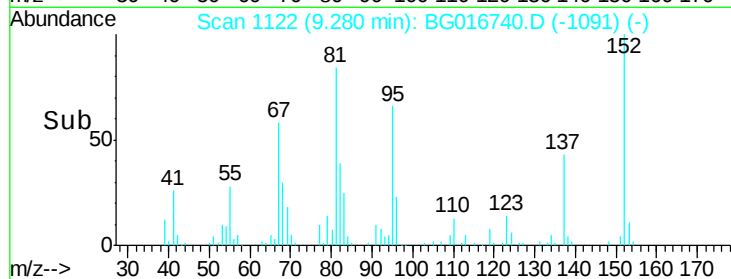
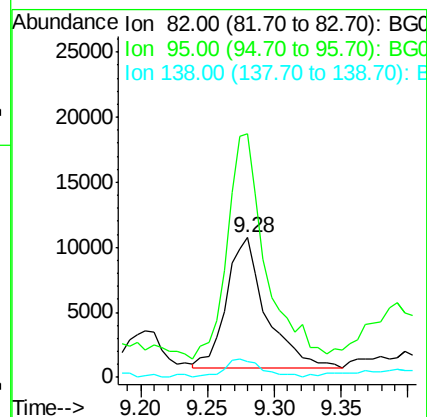
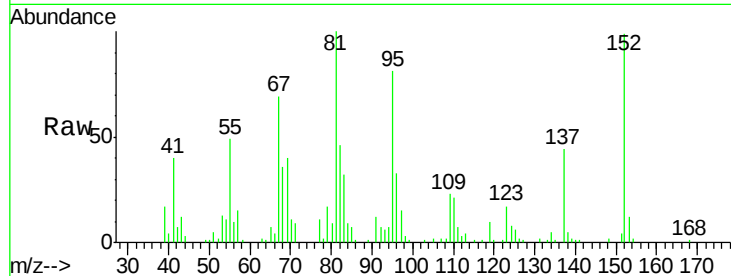
Tgt Ion: 82 Resp: 20796

Ion Ratio Lower Upper

82 100

95 174.2 5.0 7.6#

138 11.7 18.2 27.2#



#31

Naphthalene

Concen: 3.93 ng

RT: 10.41 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

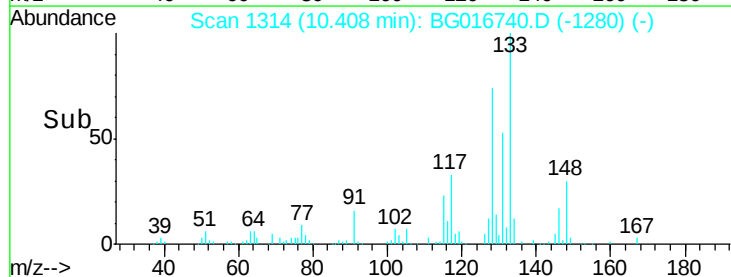
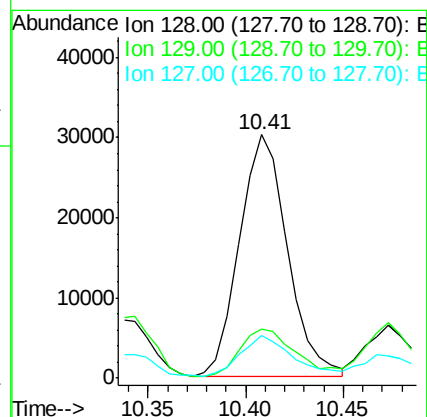
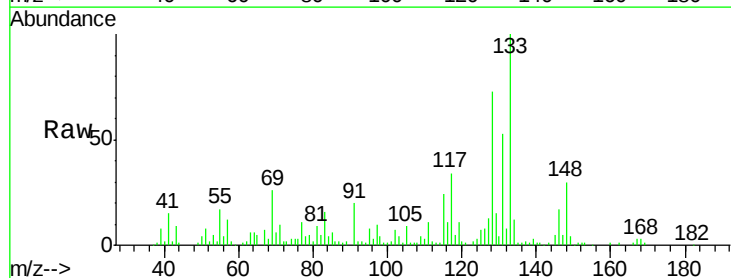
Tgt Ion: 128 Resp: 51268

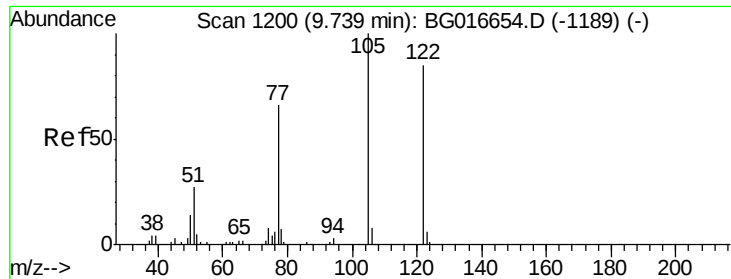
Ion Ratio Lower Upper

128 100

129 20.1 9.0 13.6#

127 17.3 11.1 16.7#

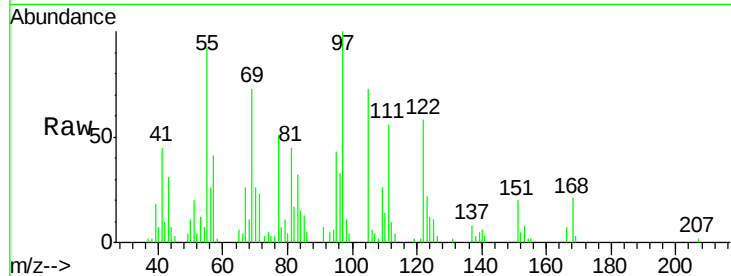




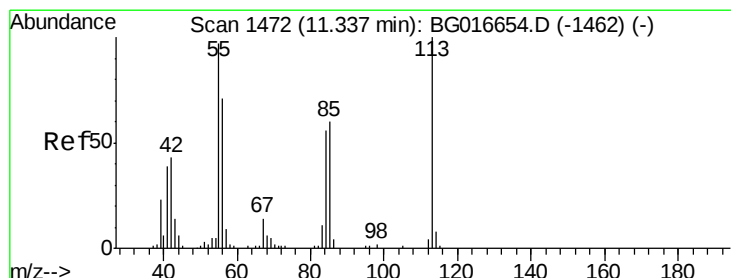
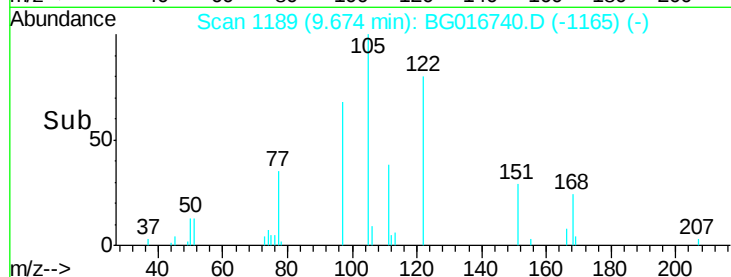
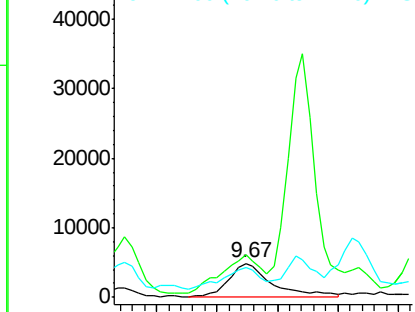
#32
Benzoic acid
Concen: 13.58 ng
RT: 9.67 min Scan# 1189
Delta R.T. -0.06 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

Instrument :
BNA_G
ClientSampleId :
AS-14(9.5-10)

Tgt Ion:122 Resp: 12520
Ion Ratio Lower Upper
122 100
105 124.7 97.2 137.2
77 87.0 58.4 98.4

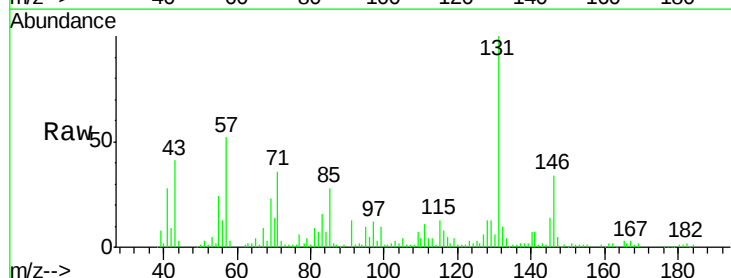


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

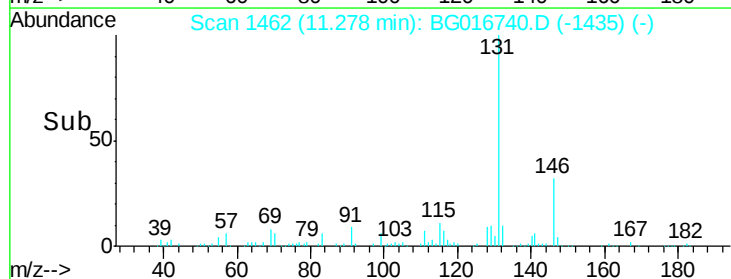
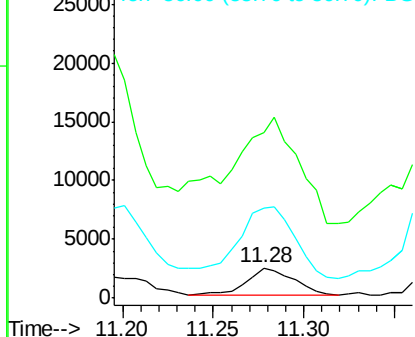


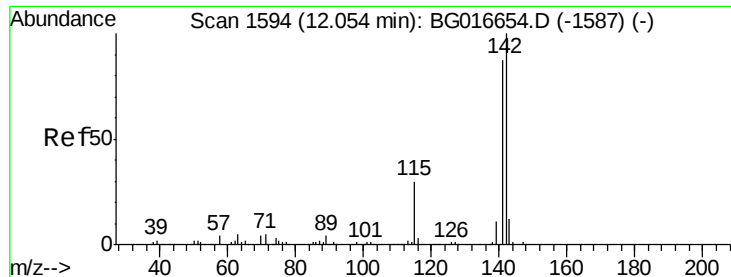
#35
Caprolactam
Concen: 2.25 ng
RT: 11.28 min Scan# 1462
Delta R.T. -0.04 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

Tgt Ion:113 Resp: 4111
Ion Ratio Lower Upper
113 100
55 551.0 77.1 117.1#
56 300.5 51.4 91.4#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BGC
Ion 56.00 (55.70 to 56.70): BGC

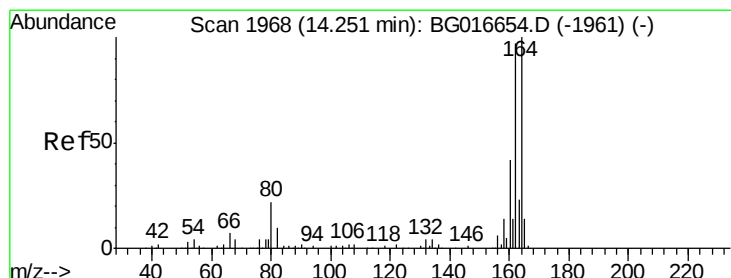
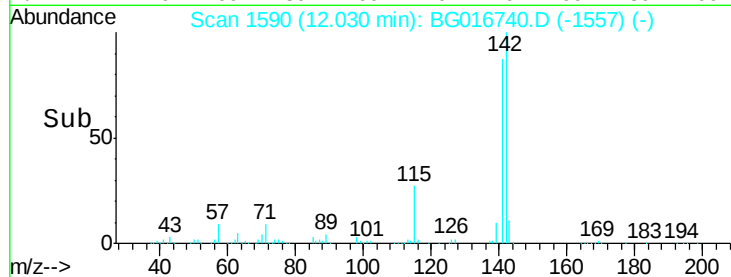
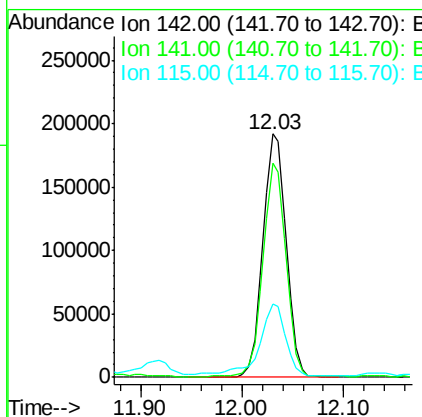
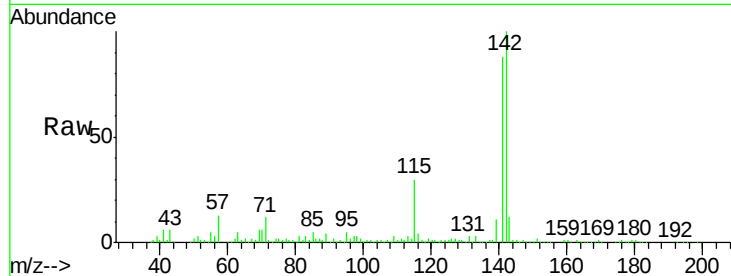




#37
2-Methylnaphthalene
Concen: 32.51 ng
RT: 12.03 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

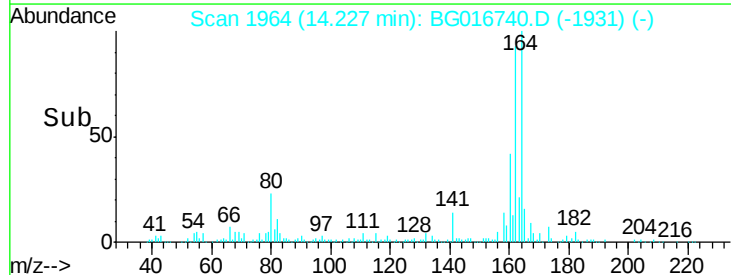
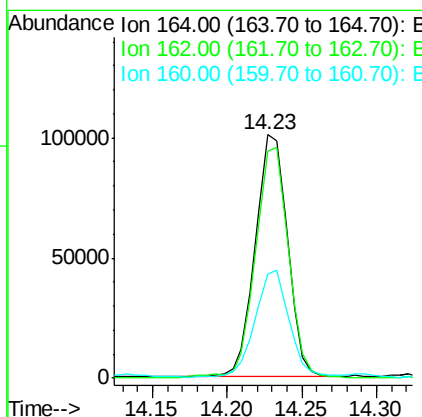
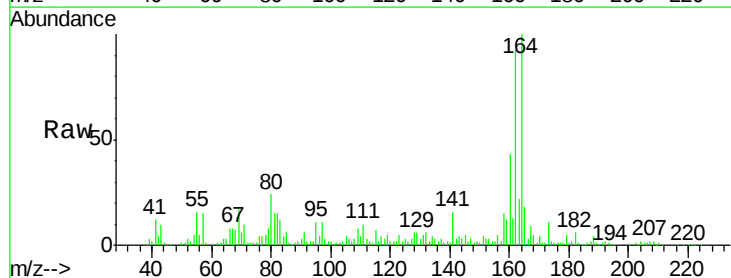
Instrument :
BNA_G
ClientSampleId :
AS-14(9.5-10)

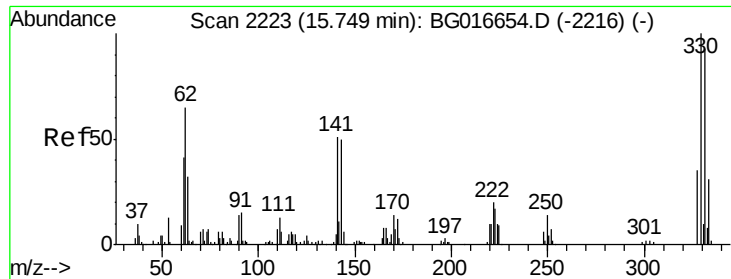
Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.9	104.9
115	30.0	24.0	36.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.23 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.1	77.3	115.9
160	42.8	33.7	50.5





#41

2,4,6-Tribromophenol

Concen: 113.20 ng

RT: 15.73 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

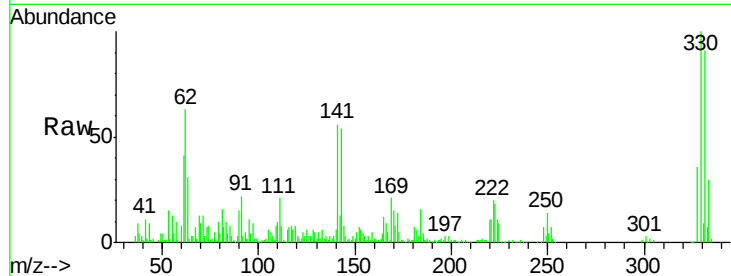
Tgt Ion:330 Resp: 126135

Ion Ratio Lower Upper

330 100

332 94.7 76.2 114.4

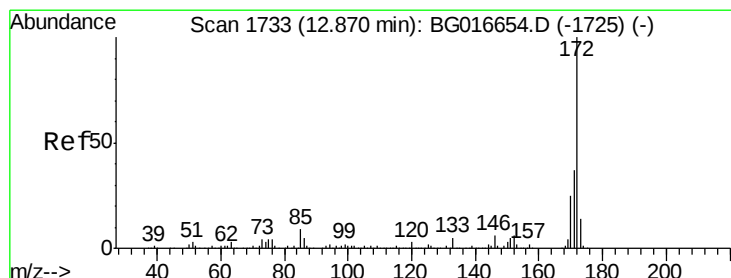
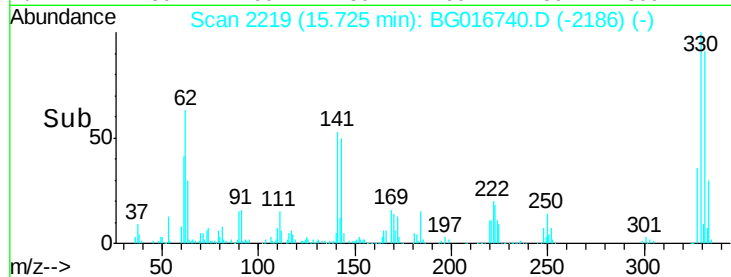
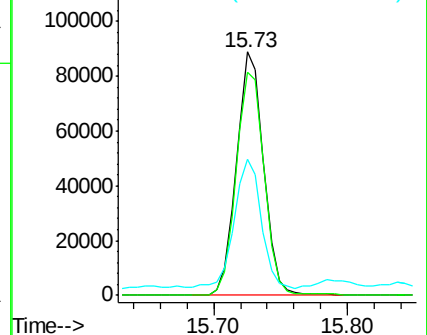
141 52.4 43.0 64.6



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: 74.61 ng

RT: 12.85 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

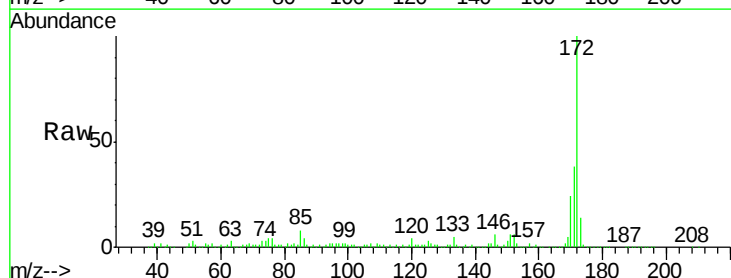
Tgt Ion:172 Resp: 697459

Ion Ratio Lower Upper

172 100

171 37.6 29.9 44.9

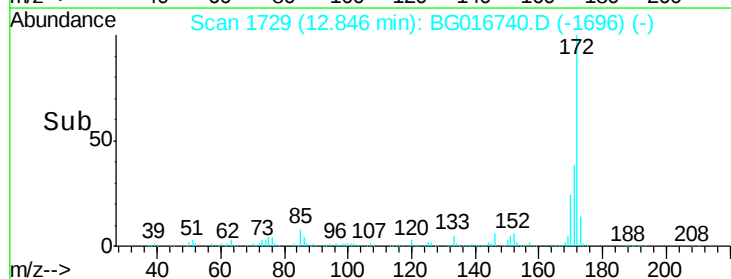
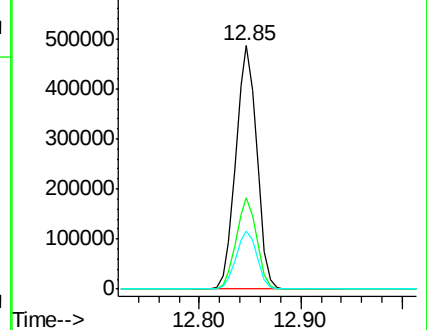
170 24.0 19.8 29.8

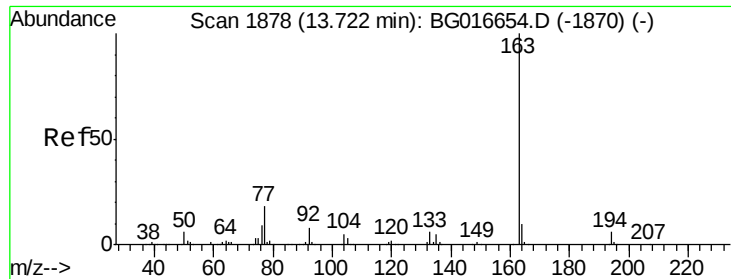


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.20 ng

RT: 13.69 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

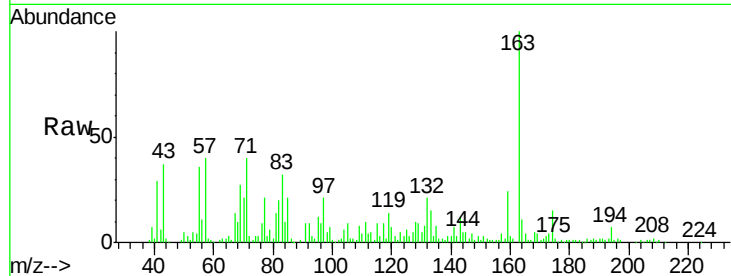
Tgt Ion:163 Resp: 80846

Ion Ratio Lower Upper

163 100

194 7.0 5.0 7.4

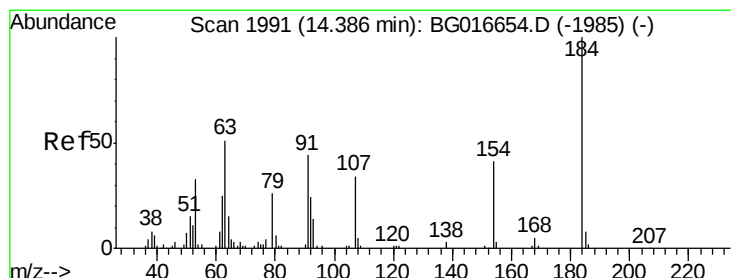
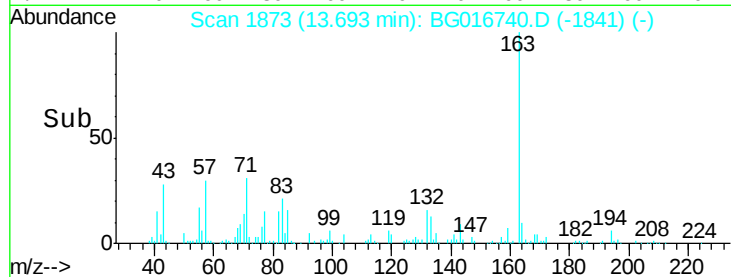
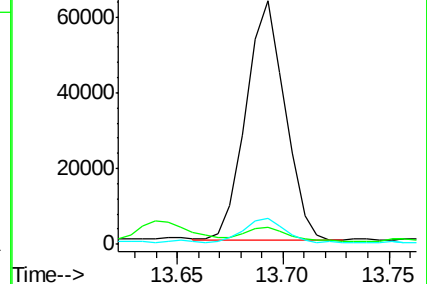
164 10.6 7.8 11.8



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



#53

2,4-Dinitrophenol

Concen: 7.69 ng

RT: 14.34 min Scan# 1984

Delta R.T. -0.03 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

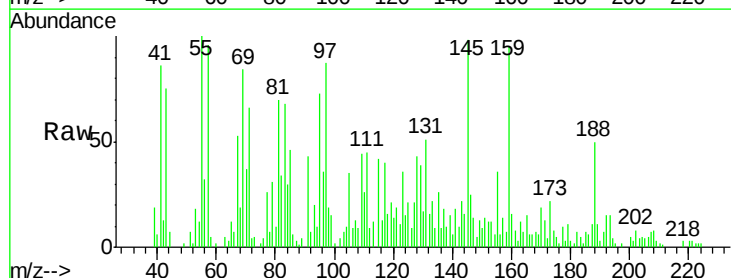
Tgt Ion:184 Resp: 134

Ion Ratio Lower Upper

184 100

63 315.9 40.7 61.1#

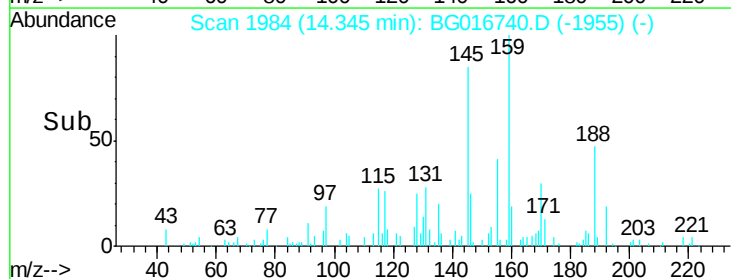
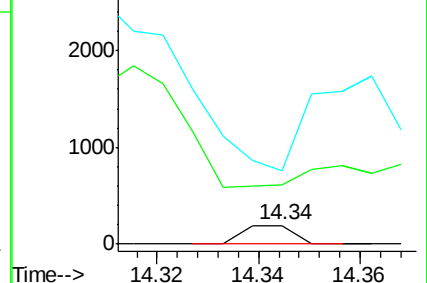
154 385.6 34.1 51.1#

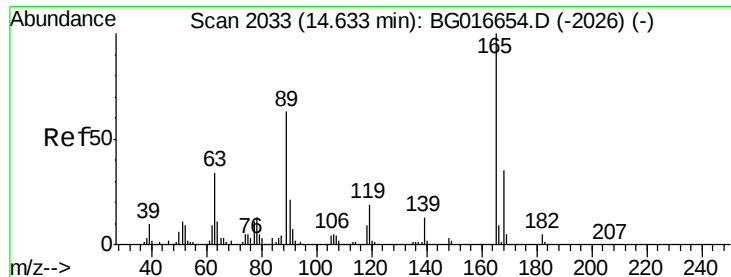


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

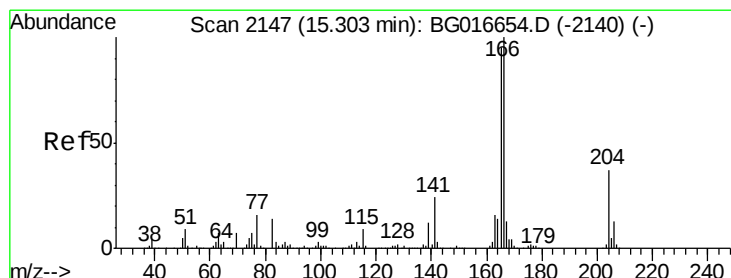
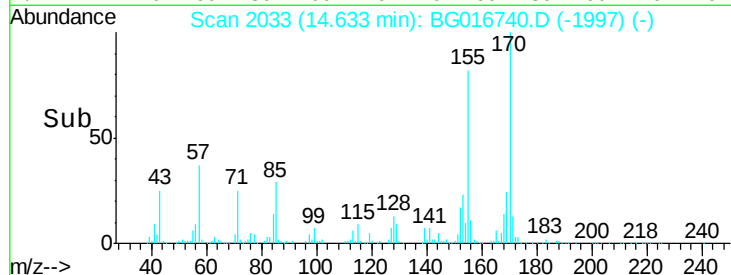
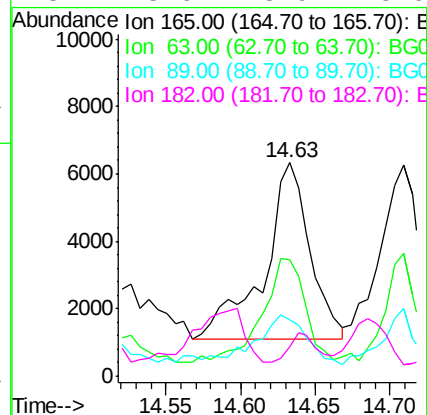
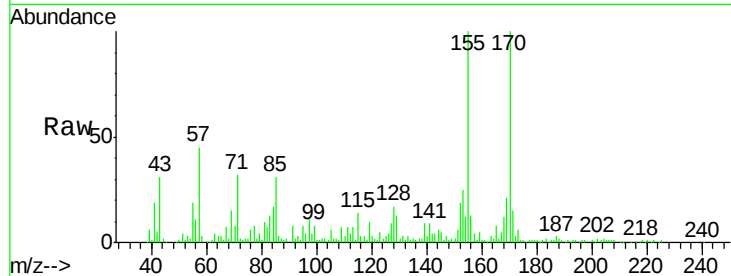




#56
2,4-Dinitrotoluene
Concen: 2.96 ng
RT: 14.63 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

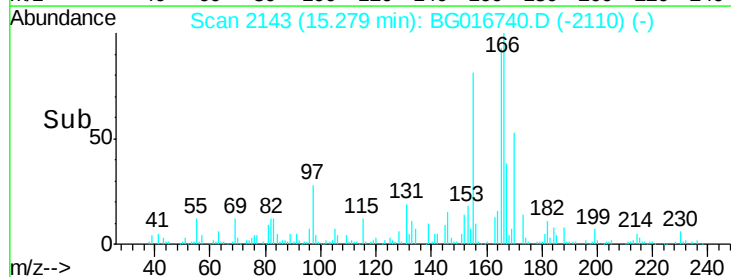
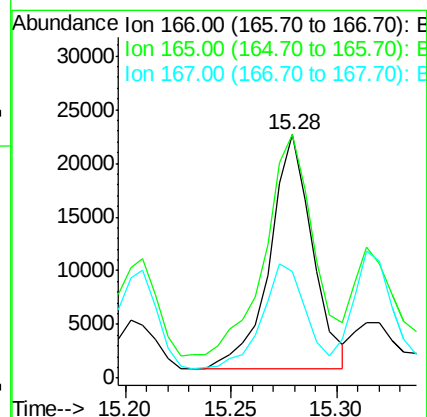
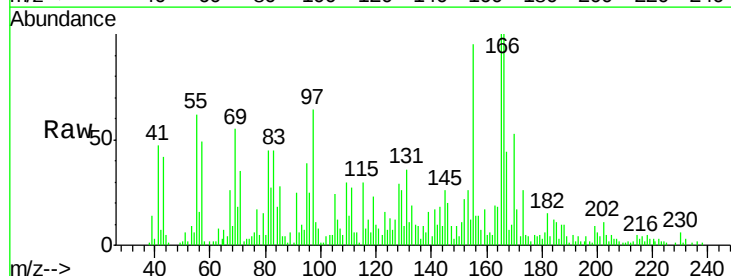
Instrument :
BNA_G
ClientSampleId :
AS-14(9.5-10)

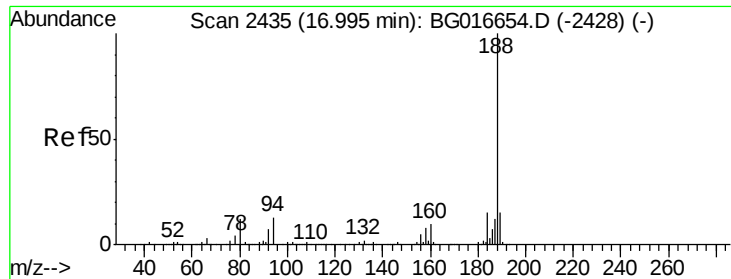
Tgt Ion	Ratio	Lower	Upper
165	100		
63	54.7	27.4	41.0#
89	26.1	50.6	75.8#
182	13.6	3.9	5.9#



#57
Fluorene
Concen: 2.62 ng
RT: 15.28 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	75.6	113.4
167	44.0	10.7	16.1#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.98 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

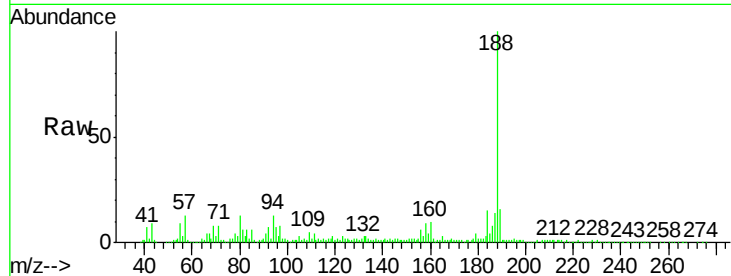
Tgt Ion:188 Resp: 278709

Ion Ratio Lower Upper

188 100

94 12.5 10.7 16.1

80 12.9 9.9 14.9

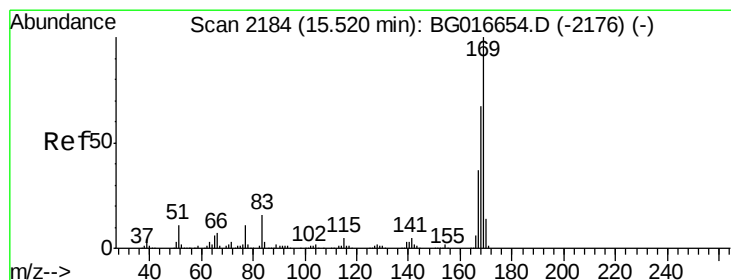
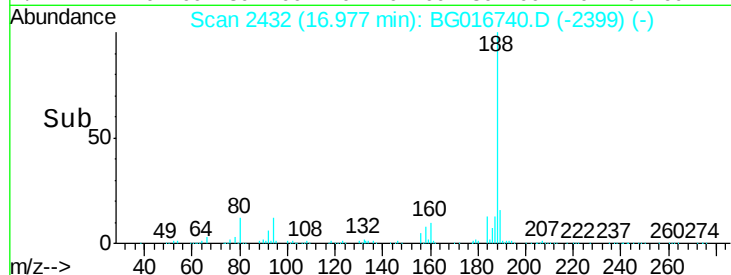
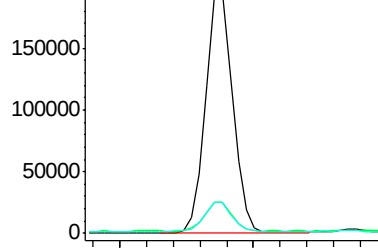


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

16.98



#65

n-Nitrosodiphenylamine

Concen: 5.38 ng

RT: 15.50 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

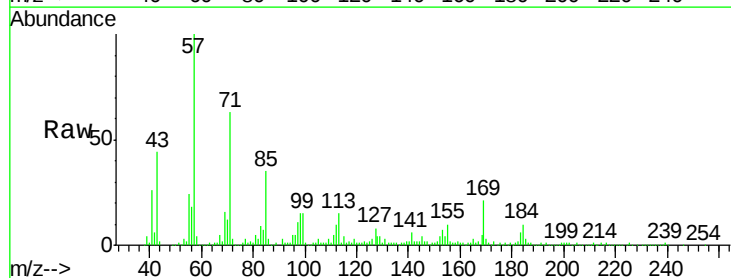
Tgt Ion:169 Resp: 51426

Ion Ratio Lower Upper

169 100

168 26.4 53.6 80.4#

167 9.9 29.4 44.0#

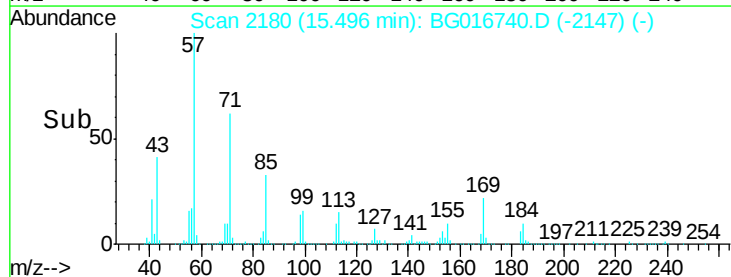
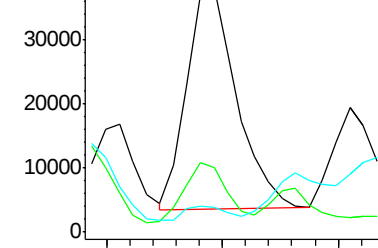


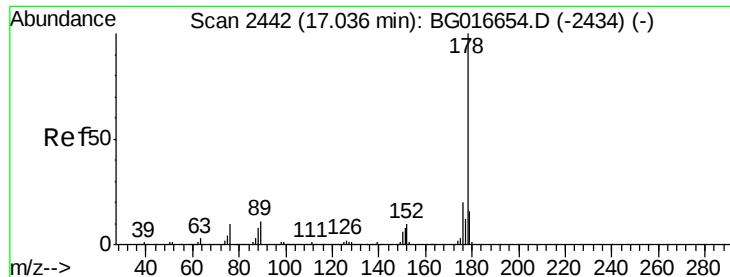
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

15.50





#70

Phenanthrene

Concen: 5.13 ng

RT: 17.02 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

Instrument :

BNA_G

ClientSampleId :

AS-14(9.5-10)

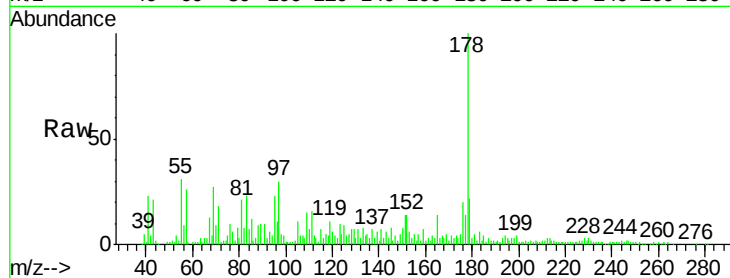
Tgt Ion:178 Resp: 82194

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

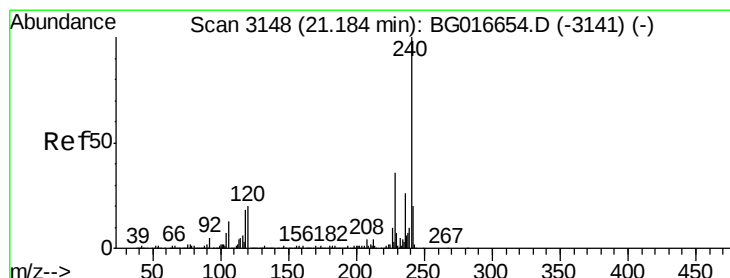
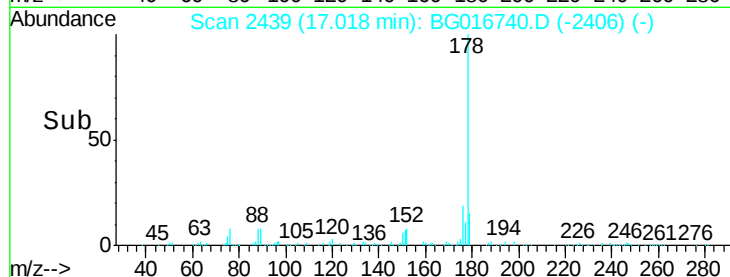
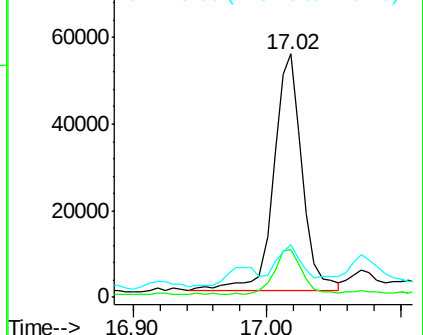
179 21.7 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.17 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG016740.D

Acq: 27 Apr 2015 19:01

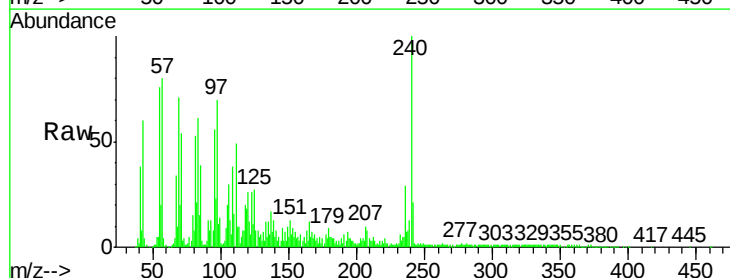
Tgt Ion:240 Resp: 209351

Ion Ratio Lower Upper

240 100

120 25.9 16.3 24.5#

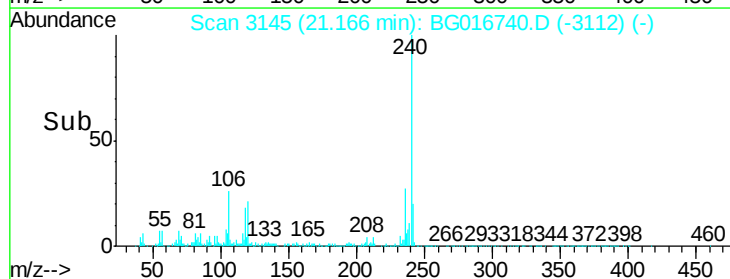
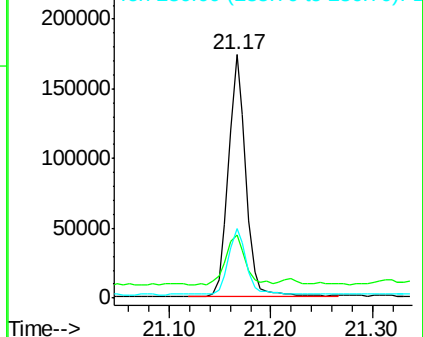
236 28.5 21.1 31.7

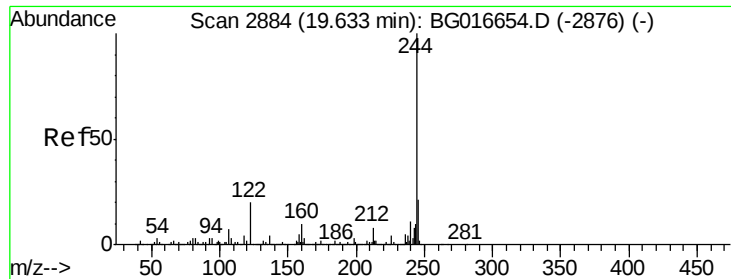


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

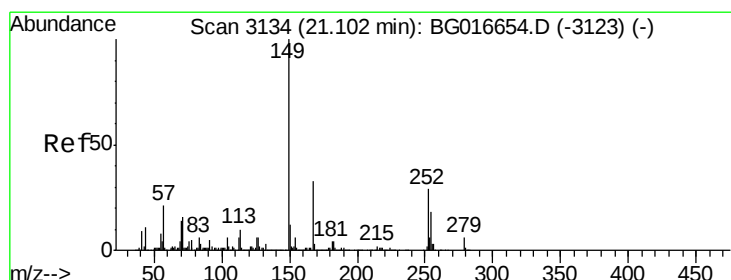
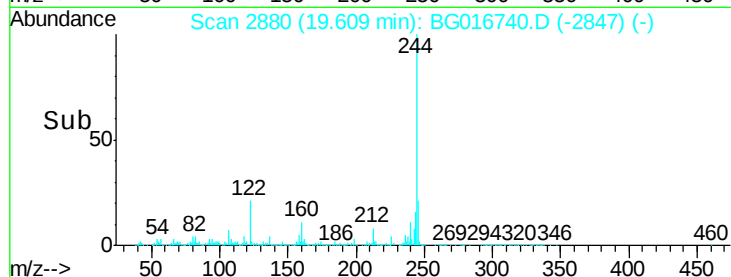
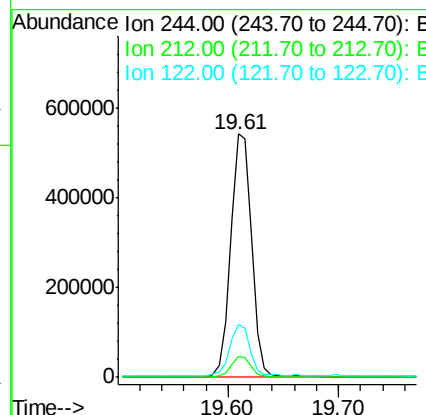
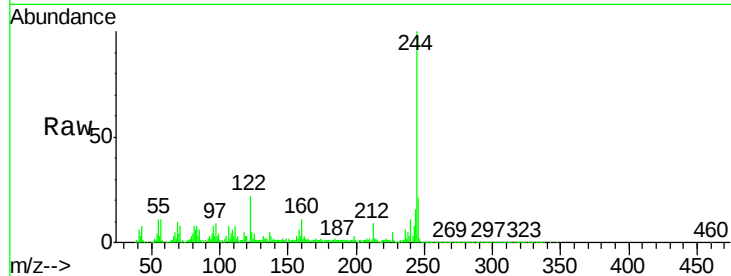




#78
 Terphenyl-d14
 Concen: 79.78 ng
 RT: 19.61 min Scan# 2880
 Delta R.T. -0.01 min
 Lab File: BG016740.D
 Acq: 27 Apr 2015 19:01

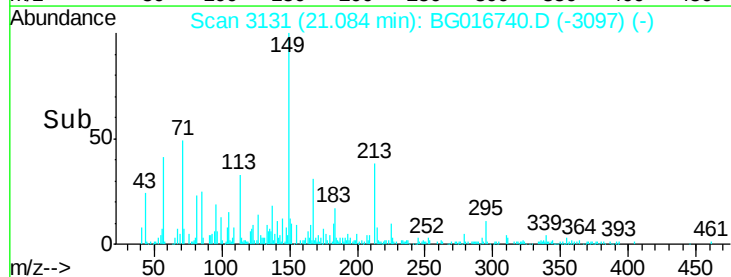
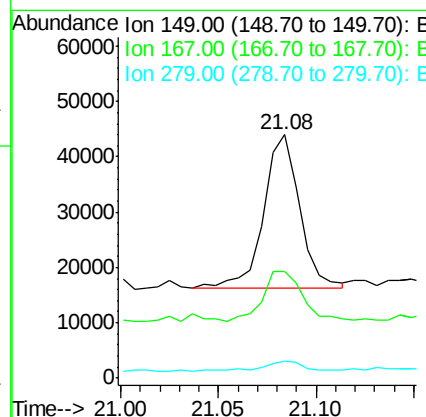
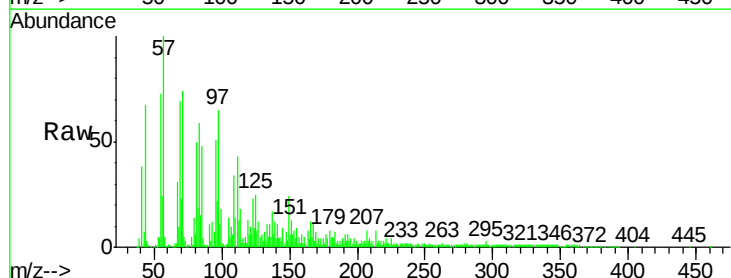
Instrument :
 BNA_G
 ClientSampleId :
 AS-14(9.5-10)

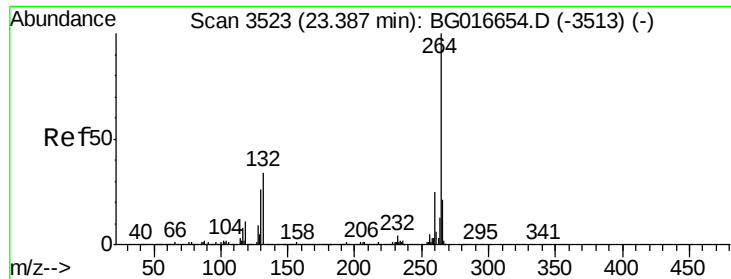
Tgt Ion:244 Resp: 725028
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.4 9.6
 122 21.6 15.9 23.9



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.55 ng
 RT: 21.08 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BG016740.D
 Acq: 27 Apr 2015 19:01

Tgt Ion:149 Resp: 34912
 Ion Ratio Lower Upper
 149 100
 167 43.7 26.6 39.8#
 279 7.0 5.1 7.7

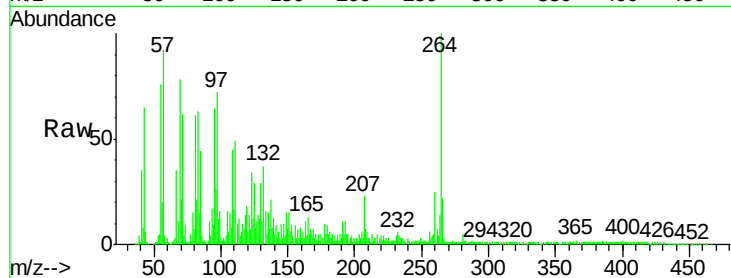




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.00 min
Lab File: BG016740.D
Acq: 27 Apr 2015 19:01

Instrument :
BNA_G
ClientSampleId :
AS-14(9.5-10)

Tgt Ion:	264	Resp:	200205
Ion Ratio	Lower	Upper	
264	100		
260	25.5	20.0	30.0
265	22.0	16.8	25.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

