

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
 Data File : BG016731.D
 Acq On : 27 Apr 2015 12:00
 Operator : TP/IZ
 Sample : G1970-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOM

Quant Time: Apr 27 14:45:19 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

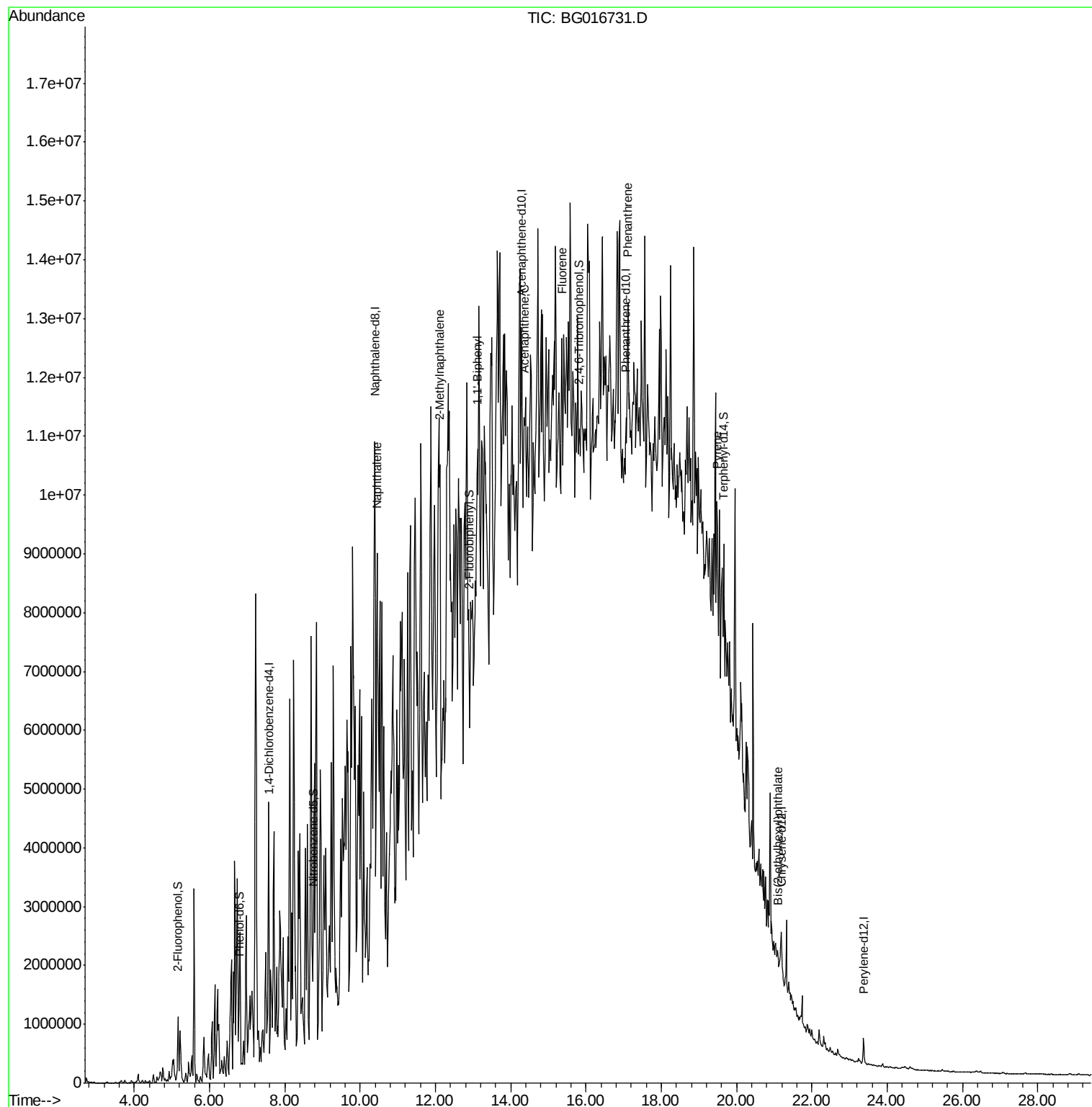
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	73255	20.00	ng	-0.02
21) Naphthalene-d8	10.38	136	169934	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	185013	20.00	ng	0.05
63) Phenanthrene-d10	17.05	188	158469	20.00	ng	0.06
75) Chrysene-d12	21.19	240	249413	20.00	ng	0.00
86) Perylene-d12	23.38	264	256803	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	438038	97.03	ng	-0.02
7) Phenol-d6	6.78	99	623916	98.52	ng	-0.02
23) Nitrobenzene-d5	8.75	82	517557	192.45	ng	-0.01
41) 2,4,6-Tribromophenol	15.81	330	52714	38.41	ng	0.06
44) 2-Fluorobiphenyl	12.89	172	655946	56.96	ng	0.02
78) Terphenyl-d14	19.66	244	507320	46.86	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	10.45	128	2670047	297.99	ng	# 81
37) 2-Methylnaphthalene	12.12	142	5577015	861.80	ng	# 80
45) 1,1'-Biphenyl	13.11	154	1317237	90.66	ng	93
51) Acenaphthene	14.37	154	478520	40.75	ng	# 88
57) Fluorene	15.37	166	930953	64.31	ng	# 88
70) Phenanthrene	17.11	178	2402273	263.88	ng	# 84
77) Pyrene	19.47	202	1139214m	65.02	ng	
83) Bis(2-ethylhexyl)phthalate	21.09	149	46584	3.97	ng	# 86

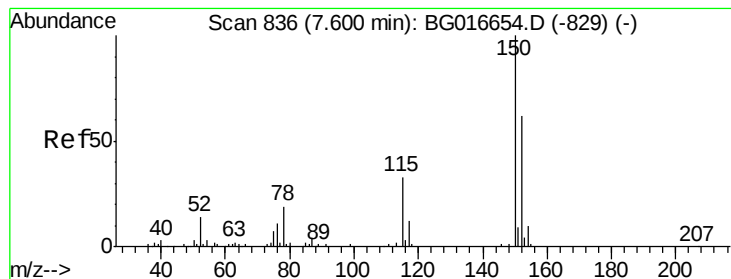
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.58 min Scan# 833

Delta R.T. -0.02 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOM

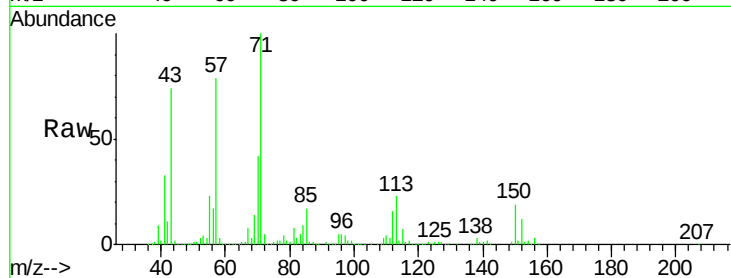
Tot Ion:152 Resp: 73255

Ion Ratio Lower Upper

152 100

150 162.0 129.6 194.4

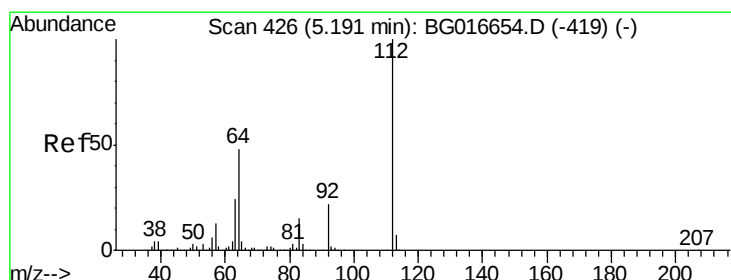
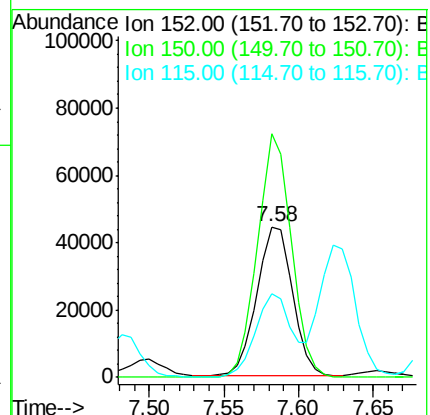
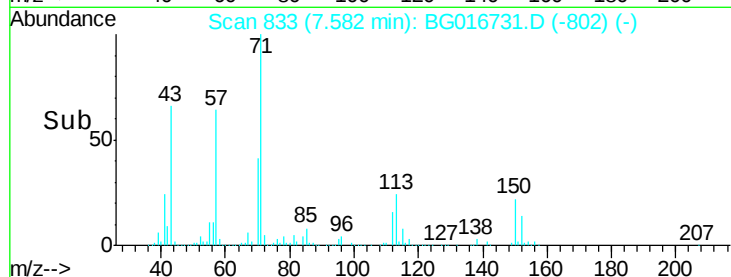
115 55.8 43.0 64.6



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: 97.03 ng

RT: 5.17 min Scan# 422

Delta R.T. -0.02 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

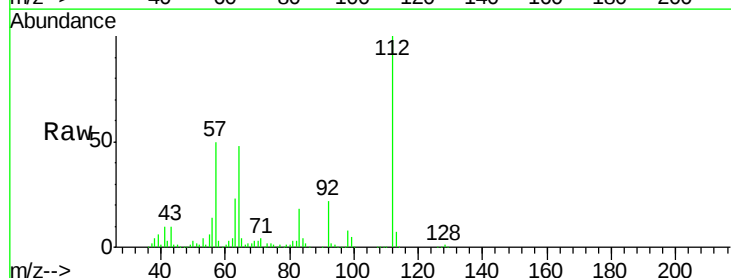
Tgt Ion:112 Resp: 438038

Ion Ratio Lower Upper

112 100

64 48.0 38.3 57.5

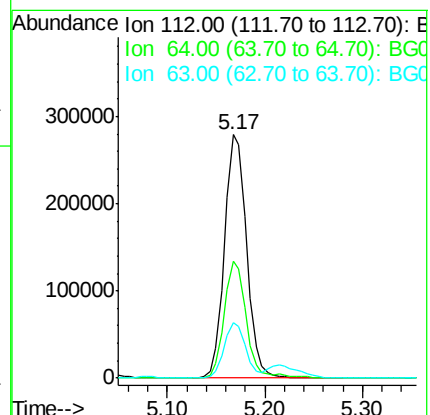
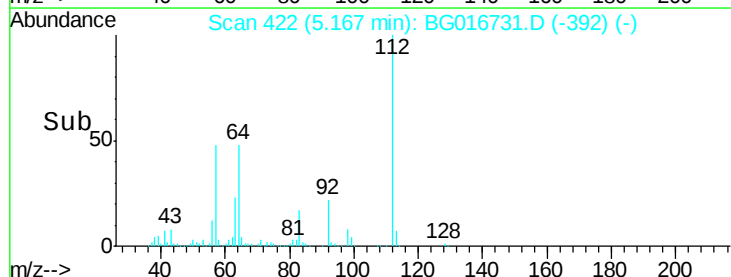
63 23.0 18.9 28.3

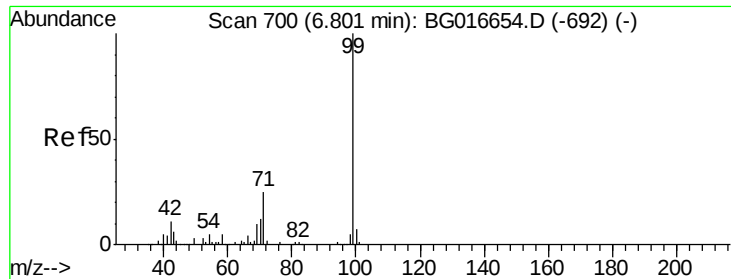


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 98.52 ng

RT: 6.78 min Scan# 697

Delta R.T. -0.02 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOM

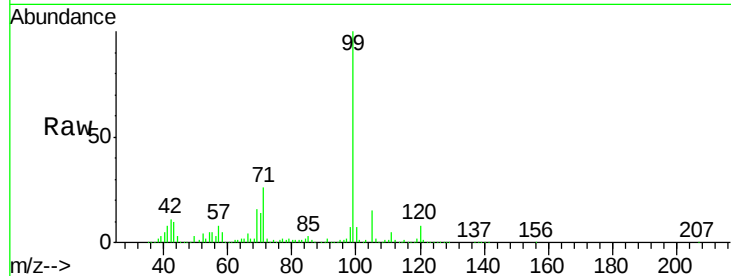
Tot Ion: 99 Resp: 623916

Ion Ratio Lower Upper

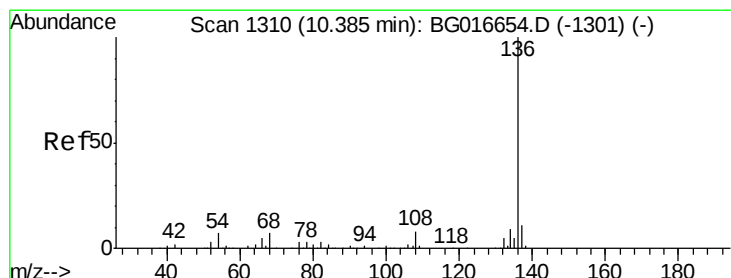
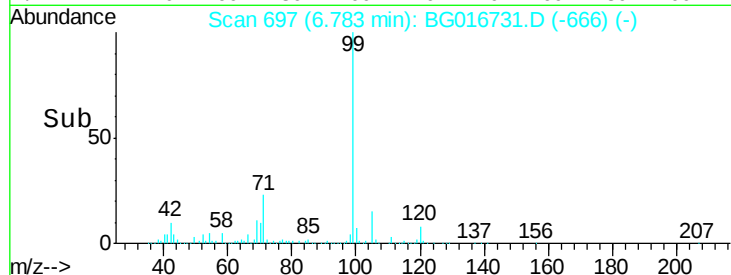
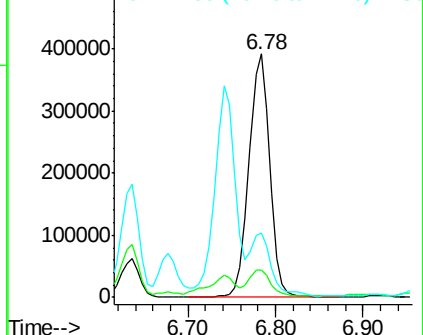
99 100

42 11.3 8.8 13.2

71 26.5 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.38 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

Tgt Ion: 136 Resp: 169934

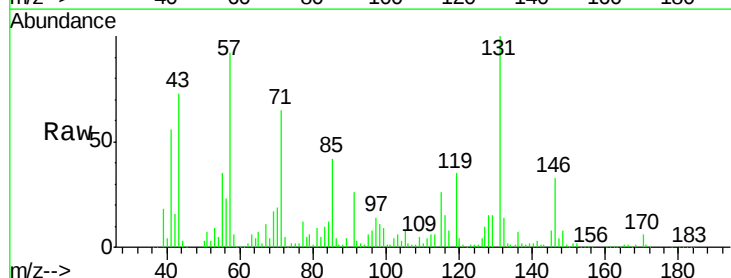
Ion Ratio Lower Upper

136 100

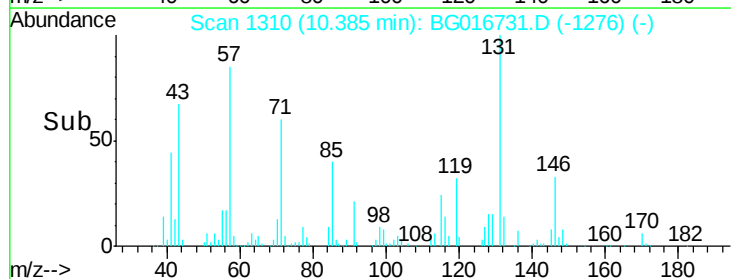
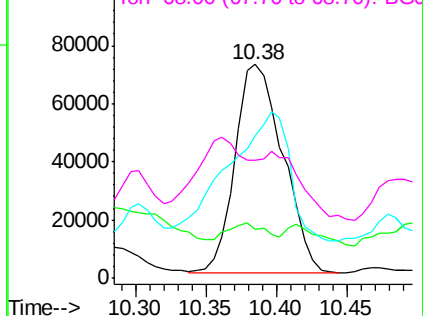
137 22.7 8.5 12.7#

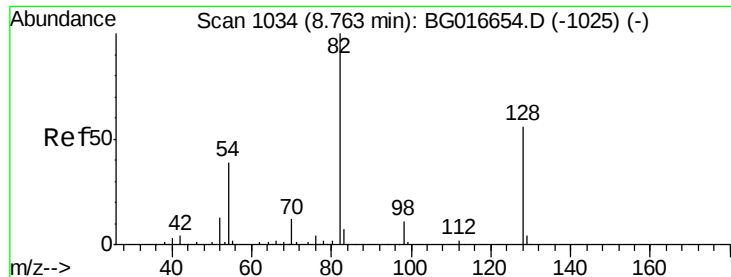
54 66.5 5.4 8.2#

68 55.4 5.2 7.8#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

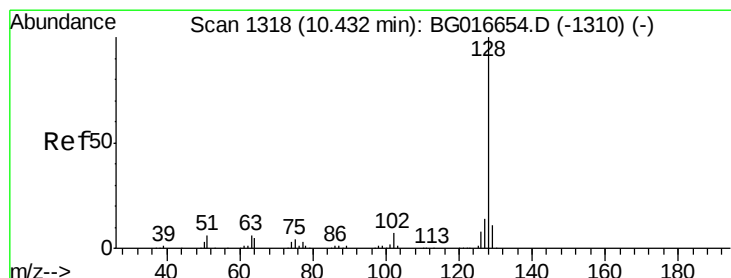
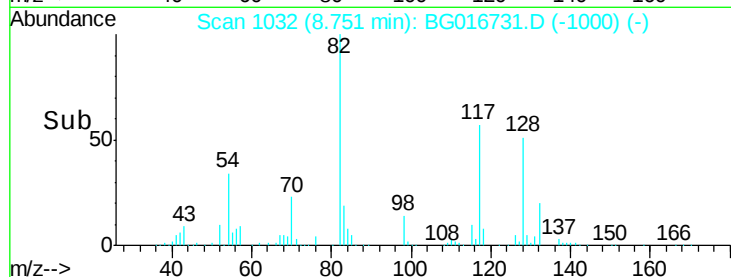
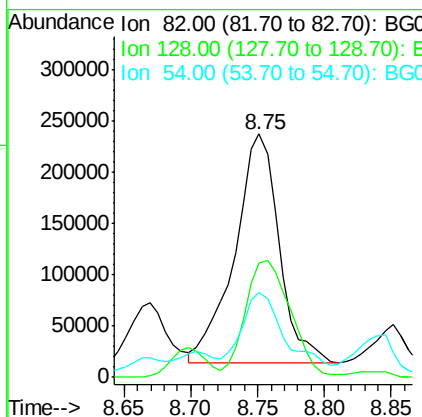
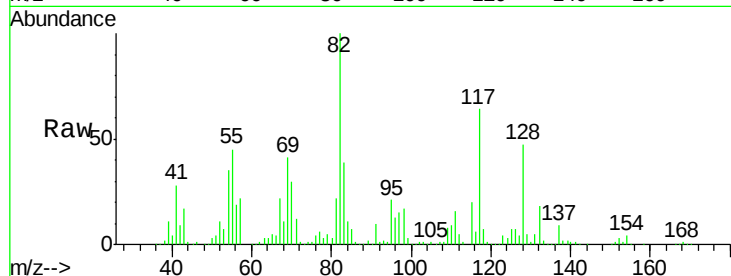




#23
 Nitrobenzene-d5
 Concen: 192.45 ng
 RT: 8.75 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BG016731.D
 Acq: 27 Apr 2015 12:00

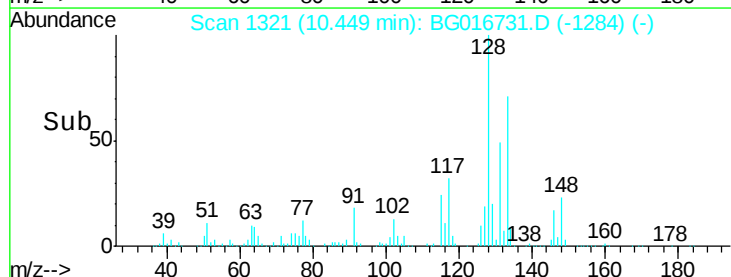
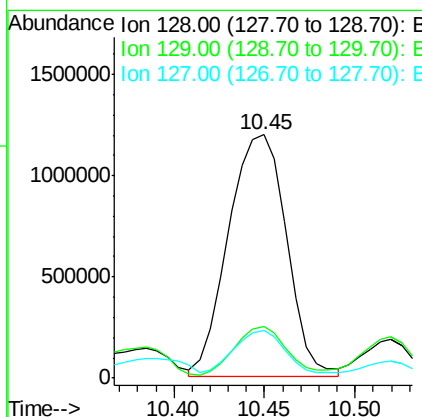
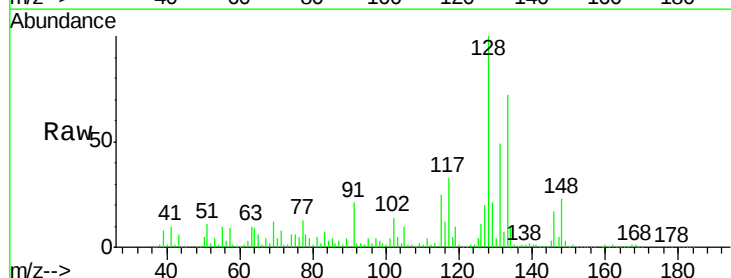
Instrument :
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 1052-CHAMBERLAND-BOTTOM

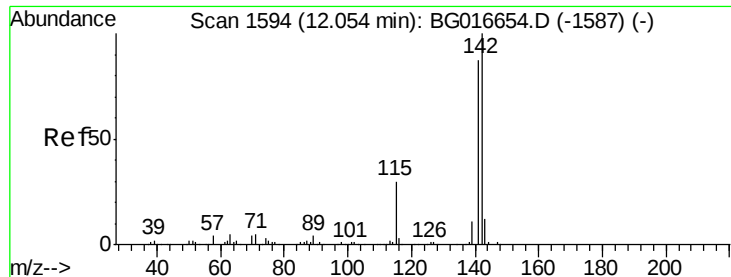
Tot Ion: 82 Resp: 517557
 Ion Ratio Lower Upper
 82 100
 128 47.1 44.7 67.1
 54 34.9 30.9 46.3



#31
 Naphthalene
 Concen: 297.99 ng
 RT: 10.45 min Scan# 1321
 Delta R.T. 0.02 min
 Lab File: BG016731.D
 Acq: 27 Apr 2015 12:00

Tgt Ion: 128 Resp: 2670047
 Ion Ratio Lower Upper
 128 100
 129 21.0 9.0 13.6#
 127 19.6 11.1 16.7#

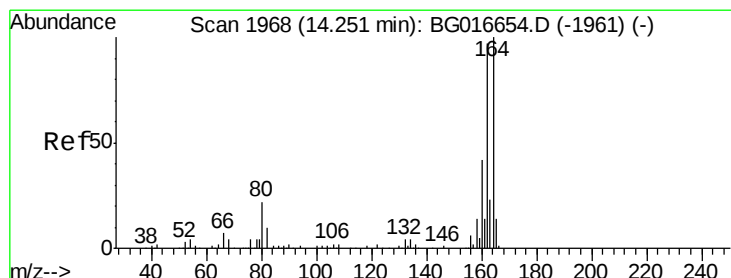
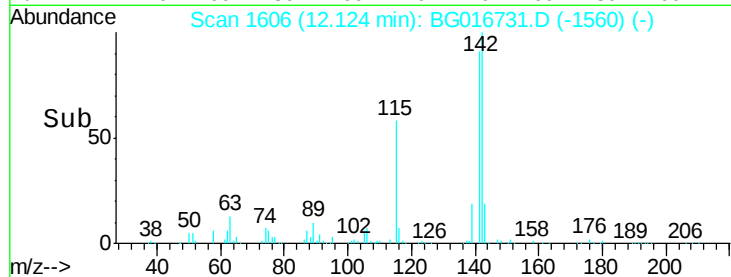
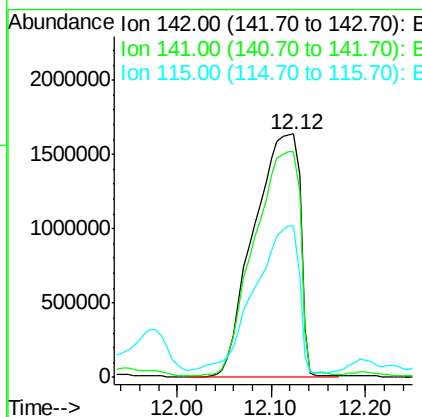
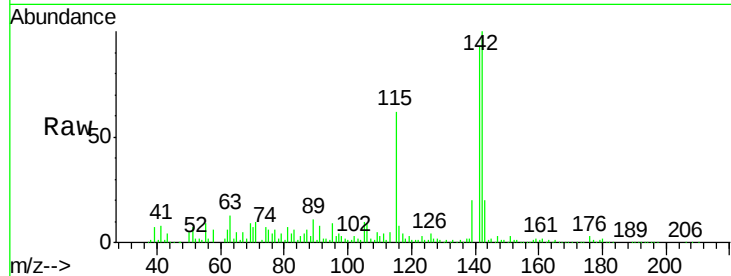




#37
2-Methylnaphthalene
Concen: 861.80 ng
RT: 12.12 min Scan# 1606
Delta R.T. 0.07 min
Lab File: BG016731.D
Acq: 27 Apr 2015 12:00

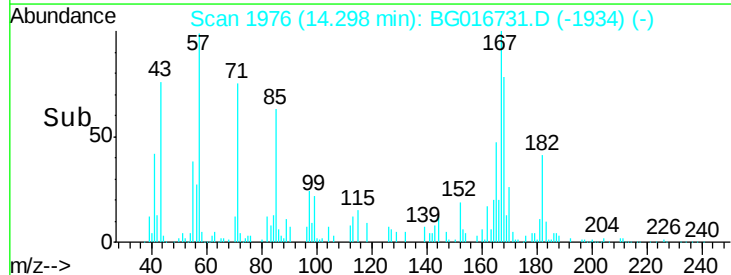
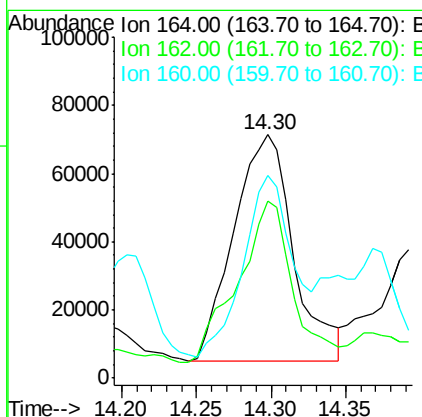
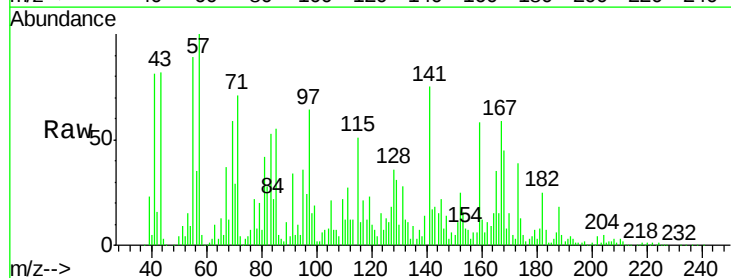
Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOM

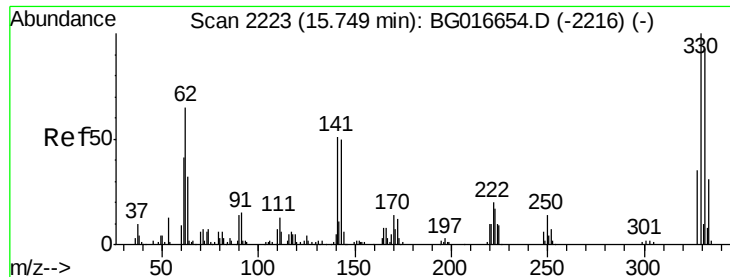
Tot Ion:142 Resp: 5577015
Ion Ratio Lower Upper
142 100
141 92.9 69.9 104.9
115 62.5 24.0 36.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.30 min Scan# 1976
Delta R.T. 0.05 min
Lab File: BG016731.D
Acq: 27 Apr 2015 12:00

Tgt Ion:164 Resp: 185013
Ion Ratio Lower Upper
164 100
162 72.9 77.3 115.9#
160 83.2 33.7 50.5#

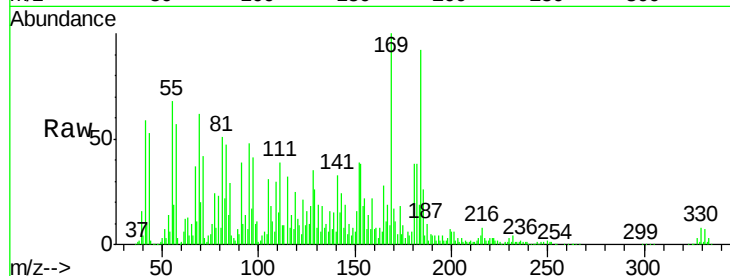




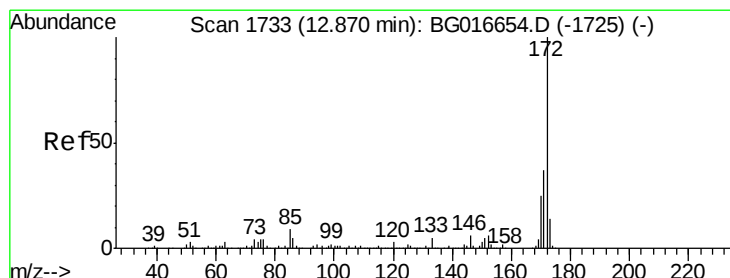
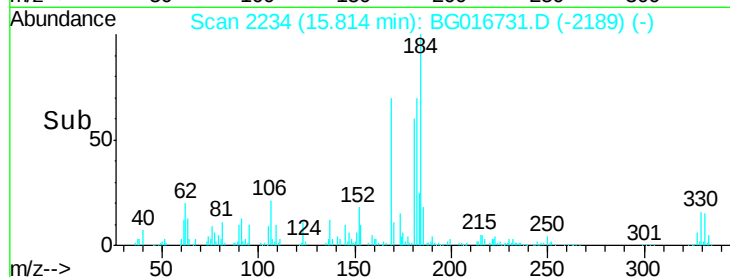
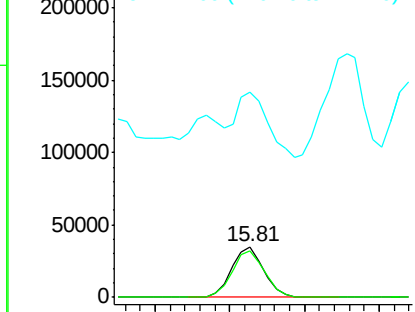
#41
 2,4,6-Tribromophenol
 Concen: 38.41 ng
 RT: 15.81 min Scan# 2234
 Delta R.T. 0.06 min
 Lab File: BG016731.D
 Acq: 27 Apr 2015 12:00

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOM

Tot Ion:330 Resp: 52714
 Ion Ratio Lower Upper
 330 100
 332 92.4 76.2 114.4
 141 130.1 43.0 64.6#

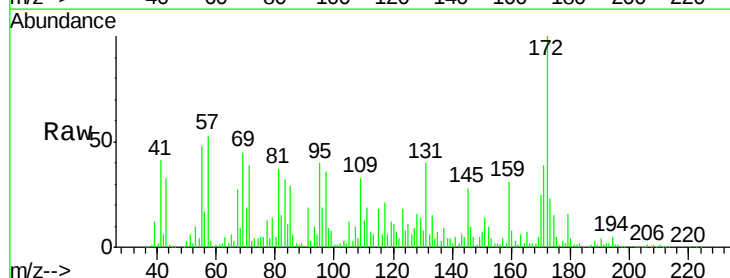


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

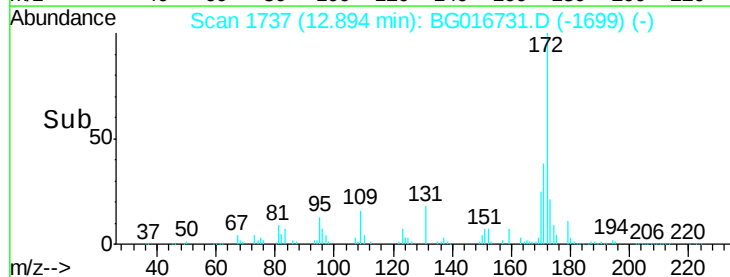
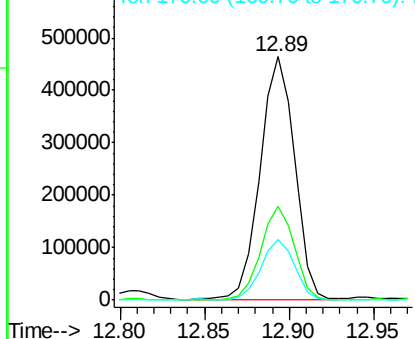


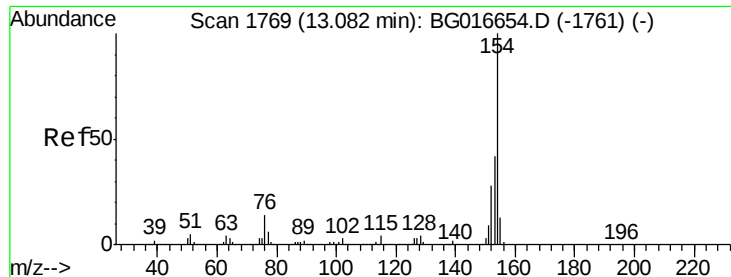
#44
 2-Fluorobiphenyl
 Concen: 56.96 ng
 RT: 12.89 min Scan# 1737
 Delta R.T. 0.02 min
 Lab File: BG016731.D
 Acq: 27 Apr 2015 12:00

Tgt Ion:172 Resp: 655946
 Ion Ratio Lower Upper
 172 100
 171 38.6 29.9 44.9
 170 24.7 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





#45

1,1'-Biphenyl

Concen: 90.66 ng

RT: 13.11 min Scan# 1774

Delta R.T. 0.03 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOM

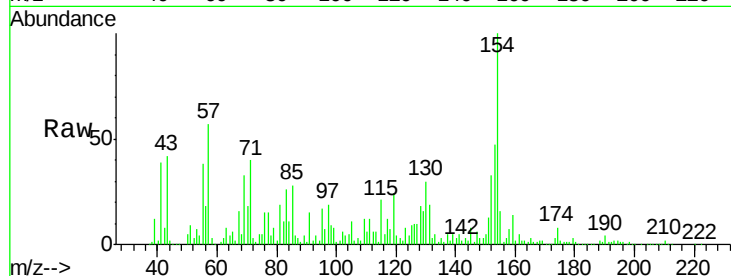
Tot Ion:154 Resp: 1317237

Ion Ratio Lower Upper

154 100

153 47.0 21.8 61.8

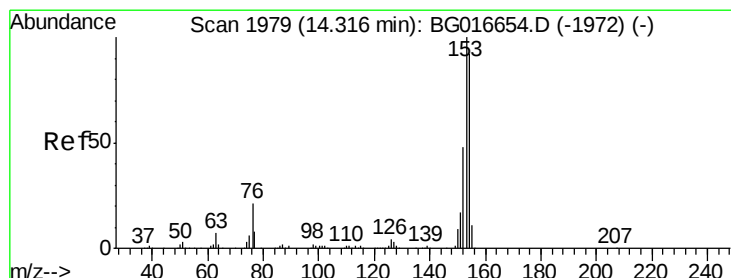
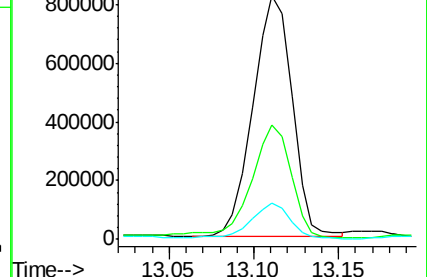
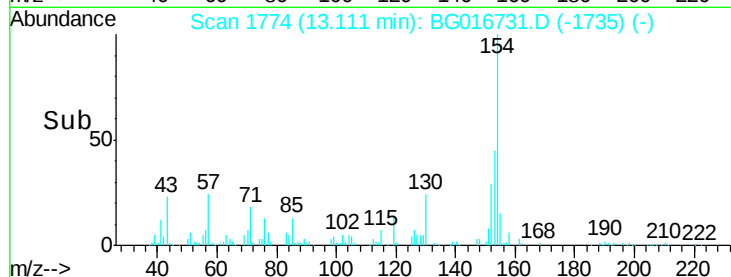
76 14.7 0.0 33.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#51

Acenaphthene

Concen: 40.75 ng

RT: 14.37 min Scan# 1988

Delta R.T. 0.05 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

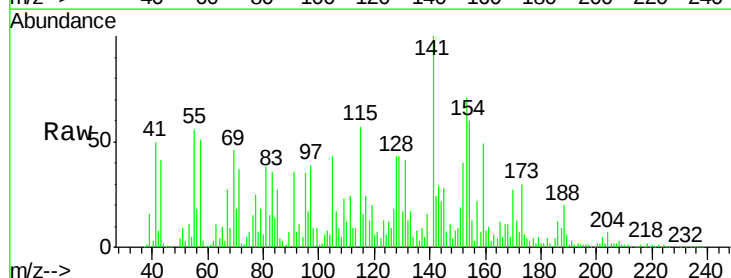
Tgt Ion:154 Resp: 478520

Ion Ratio Lower Upper

154 100

153 117.6 87.0 130.6

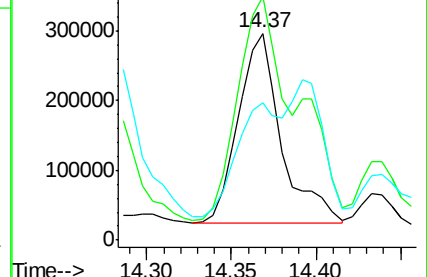
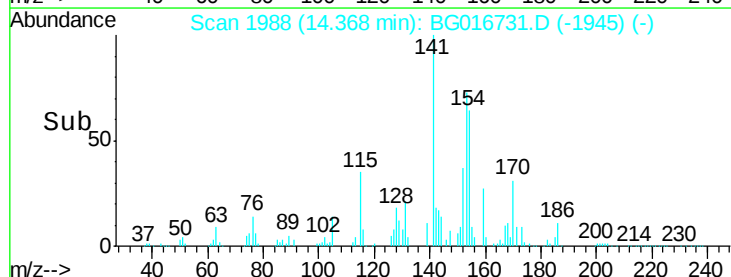
152 66.5 41.6 62.4#

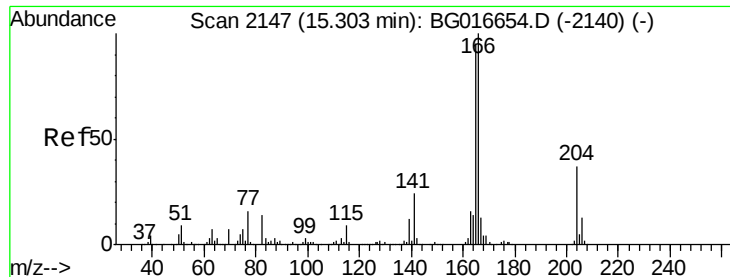


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

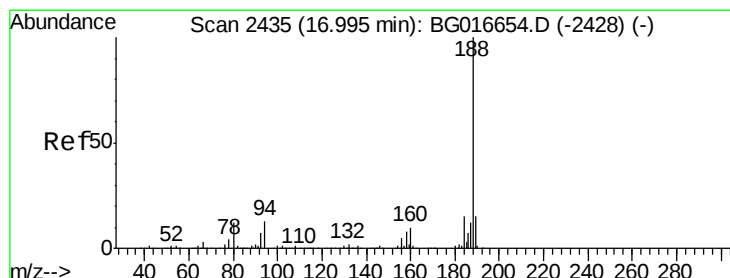
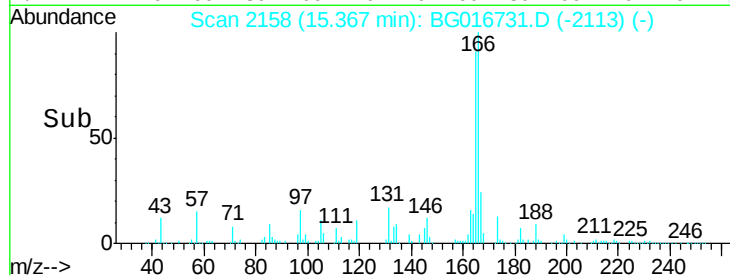
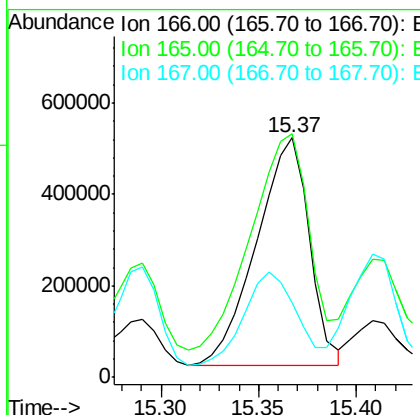
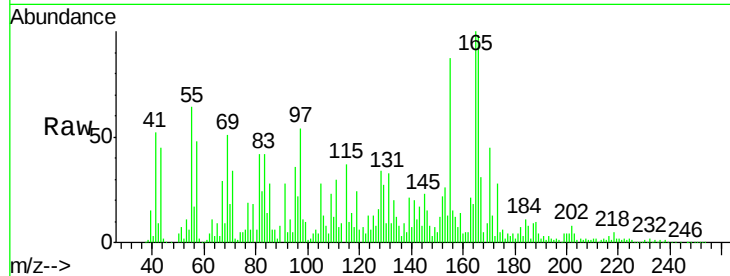




#57
Fluorene
 Concen: 64.31 ng
 RT: 15.37 min Scan# 2158
 Delta R.T. 0.06 min
 Lab File: BG016731.D
 Acq: 27 Apr 2015 12:00

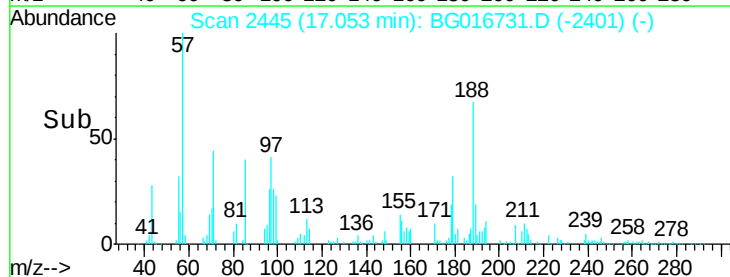
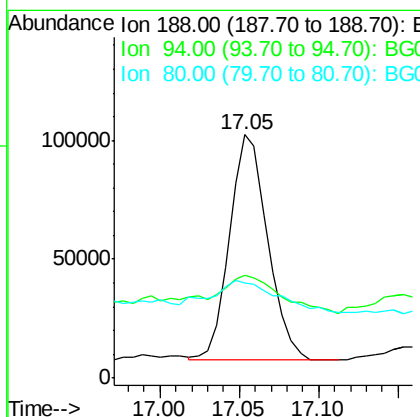
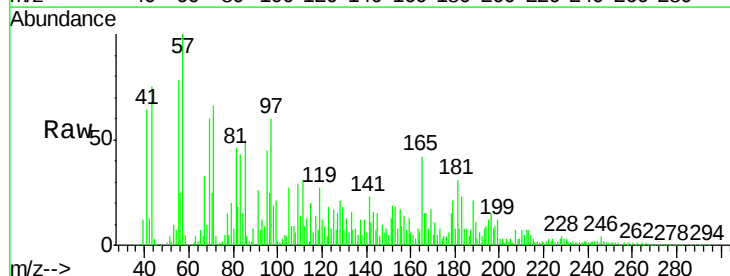
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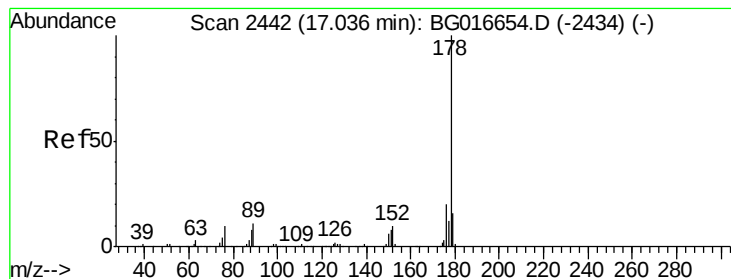
Tot Ion:166 Resp: 930953
 Ion Ratio Lower Upper
 166 100
 165 101.7 75.6 113.4
 167 31.4 10.7 16.1#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.05 min Scan# 2445
 Delta R.T. 0.06 min
 Lab File: BG016731.D
 Acq: 27 Apr 2015 12:00

Tgt Ion:188 Resp: 158469
 Ion Ratio Lower Upper
 188 100
 94 42.1 10.7 16.1#
 80 39.3 9.9 14.9#





#70

Phenanthrene

Concen: 263.88 ng

RT: 17.11 min Scan# 2455

Delta R.T. 0.08 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOM

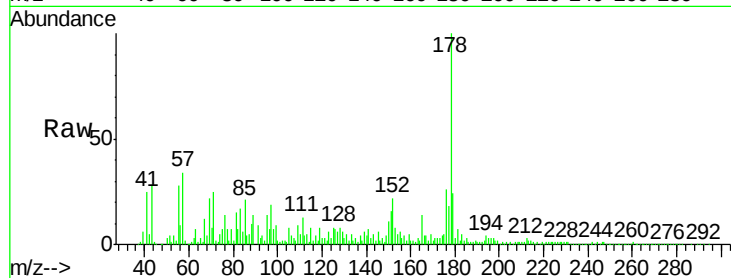
Tot Ion:178 Resp: 2402273

Ion Ratio Lower Upper

178 100

176 26.4 15.8 23.6#

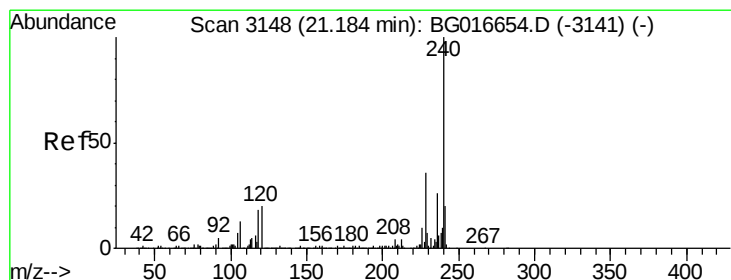
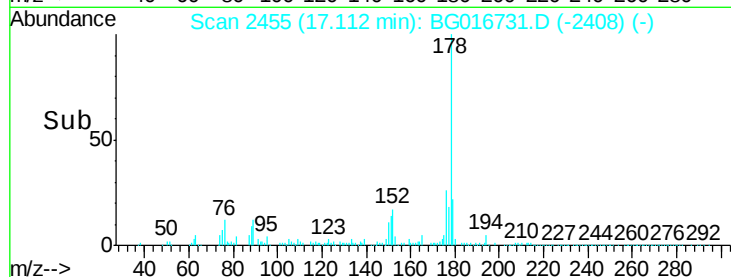
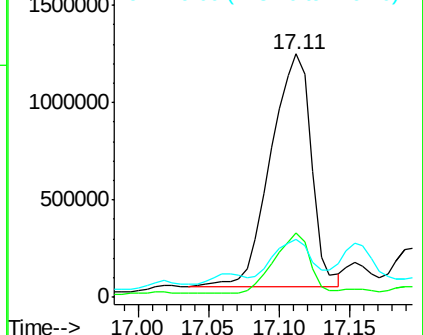
179 23.7 12.8 19.2#



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: 21.19 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

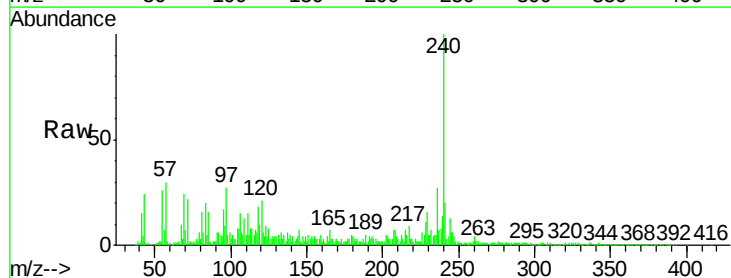
Tgt Ion:240 Resp: 249413

Ion Ratio Lower Upper

240 100

120 21.5 16.3 24.5

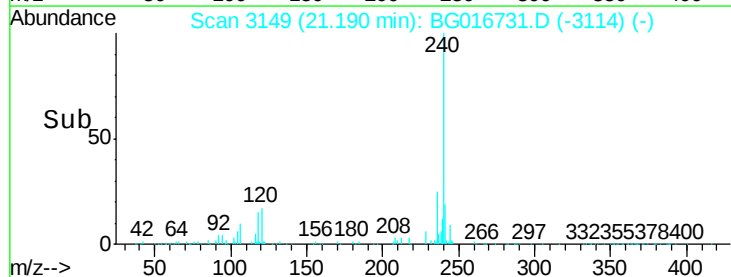
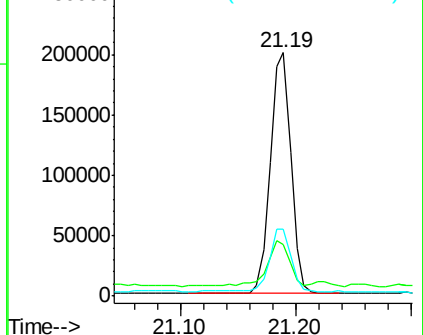
236 27.4 21.1 31.7

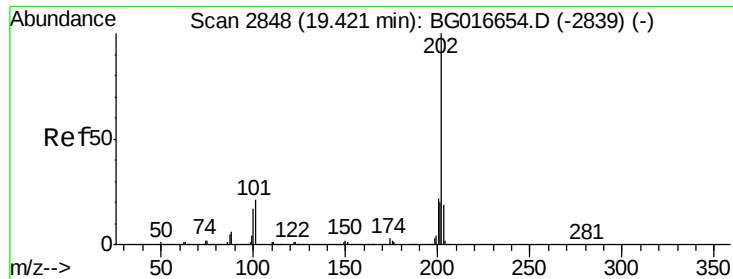


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 65.02 ng/mL

RT: 19.47 min Scan# 2856

Delta R.T. 0.05 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

Instrument:

BNA_G

ClientSampleId:

1052-CHAMBERLAND-BOTTOM

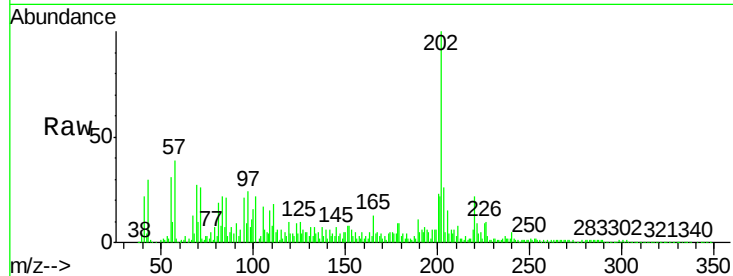
Tot Ion: 202 Resp: 1139214

Ion	Ratio	Lower	Upper
202	100		
200	23.4	18.0	27.0
203	25.7	14.9	22.3

202 100

200 23.4 18.0 27.0

203 25.7 14.9 22.3

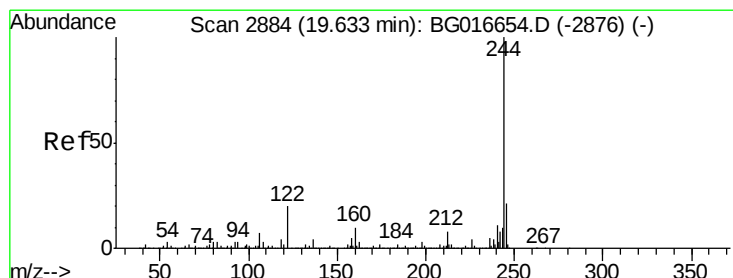
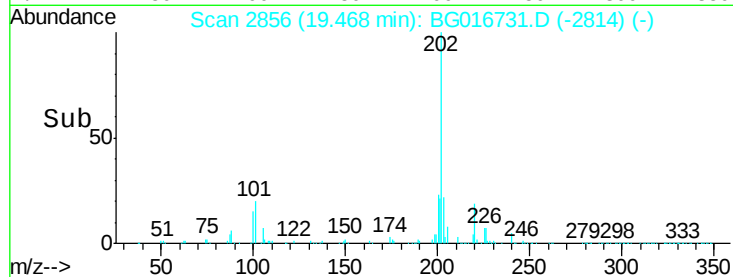
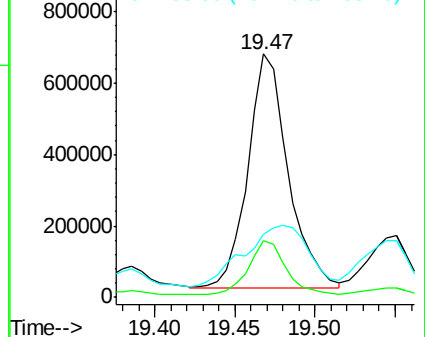


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 46.86 ng/mL

RT: 19.66 min Scan# 2888

Delta R.T. 0.02 min

Lab File: BG016731.D

Acq: 27 Apr 2015 12:00

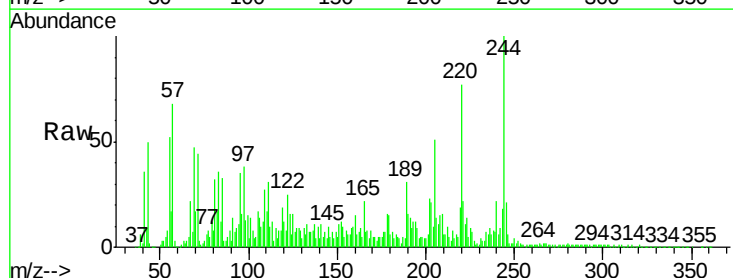
Tgt Ion: 244 Resp: 507320

Ion	Ratio	Lower	Upper
244	100		
212	10.3	6.4	9.6
122	24.9	15.9	23.9

244 100

212 10.3 6.4 9.6

122 24.9 15.9 23.9

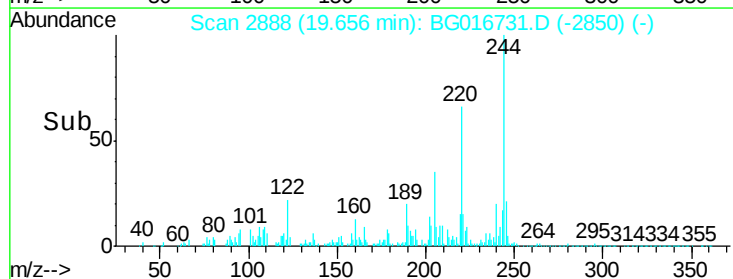
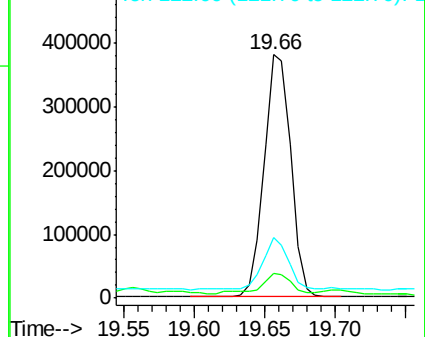


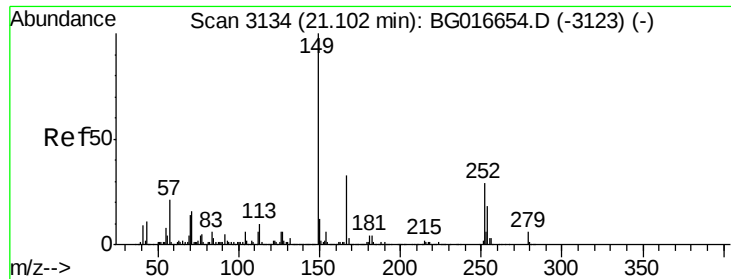
Abundance

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

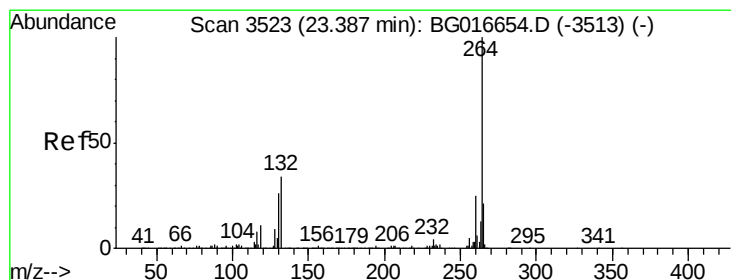
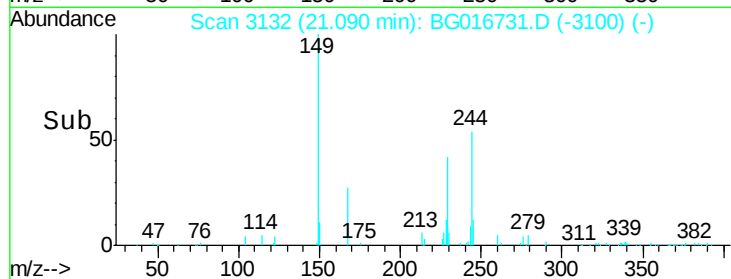
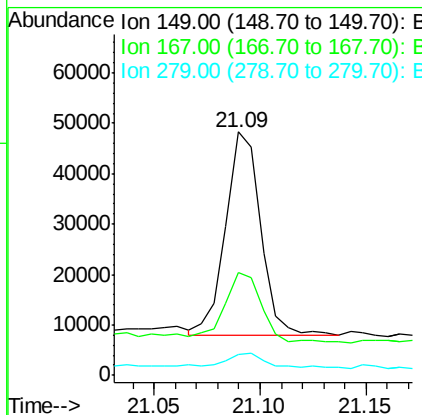
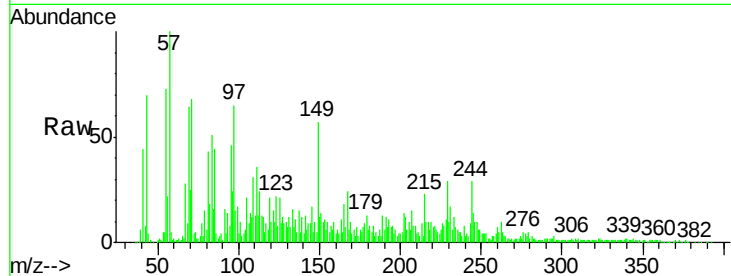




#83
Bis(2-ethylhexyl)phthalate
Concen: 3.97 ng
RT: 21.09 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BG016731.D
Acq: 27 Apr 2015 12:00

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOM

Tot Ion:149 Resp: 46584
Ion Ratio Lower Upper
149 100
167 42.0 26.6 39.8#
279 8.6 5.1 7.7#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.38 min Scan# 3521
Delta R.T. -0.01 min
Lab File: BG016731.D
Acq: 27 Apr 2015 12:00

Tgt Ion:264 Resp: 256803
Ion Ratio Lower Upper
264 100
260 26.0 20.0 30.0
265 22.1 16.8 25.2

