

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
 Data File : BG016736.D
 Acq On : 27 Apr 2015 14:54
 Operator : TP/IZ
 Sample : G1970-02DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL

Quant Time: Apr 27 16:21:34 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

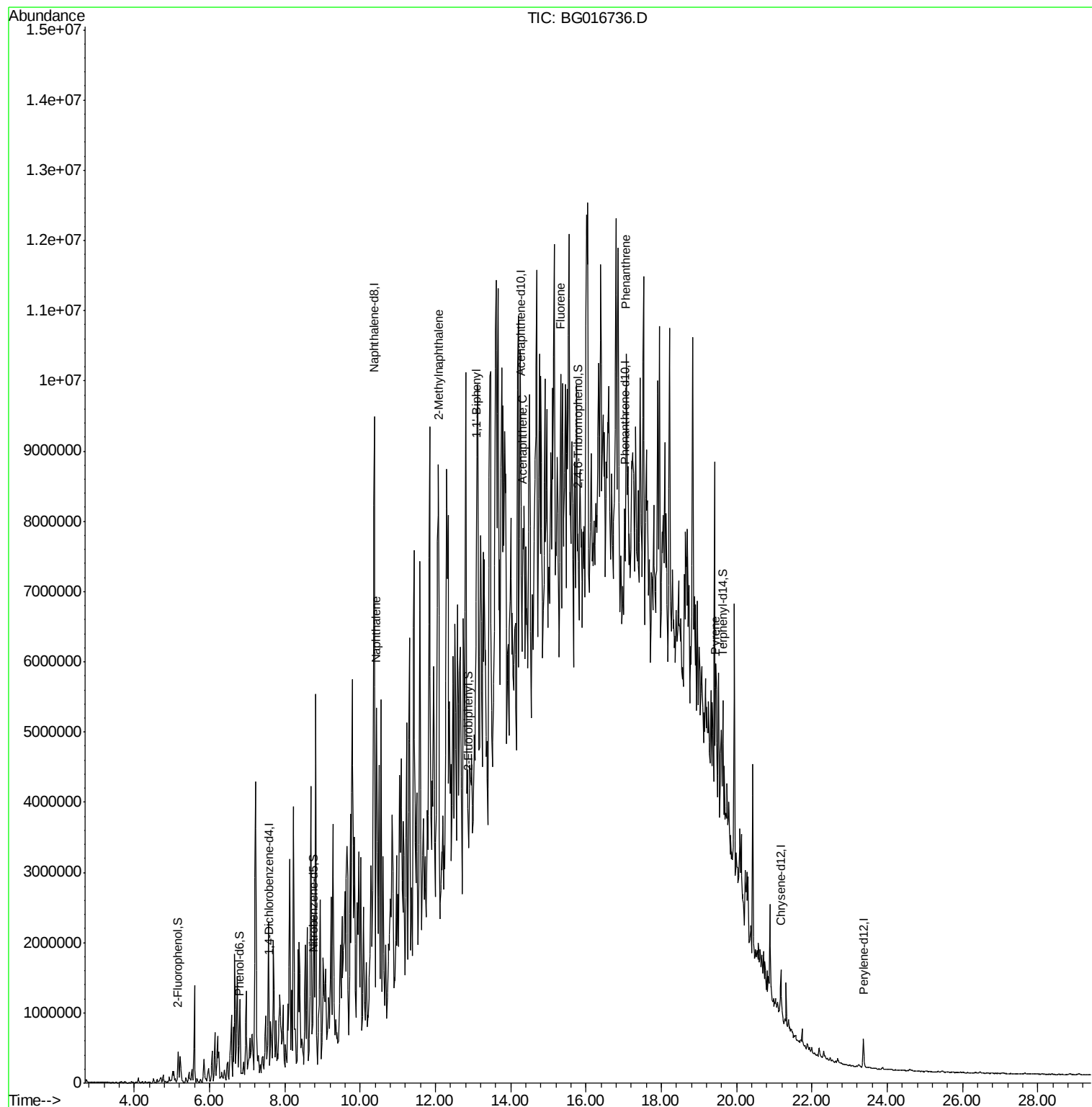
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	64026	20.00	ng	-0.02
21) Naphthalene-d8	10.38	136	231844	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	199219	20.00	ng	0.02
63) Phenanthrene-d10	17.02	188	219884	20.00	ng	0.03
75) Chrysene-d12	21.18	240	247405	20.00	ng	0.00
86) Perylene-d12	23.37	264	245898	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	179387	45.47	ng	-0.02
7) Phenol-d6	6.78	99	269416	48.67	ng	-0.02
23) Nitrobenzene-d5	8.75	82	222875	60.74	ng	-0.02
41) 2,4,6-Tribromophenol	15.77	330	40622	27.49	ng	0.02
44) 2-Fluorobiphenyl	12.87	172	380912	30.72	ng	0.00
78) Terphenyl-d14	19.64	244	319475	29.75	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.43	128	1551245	126.90	ng	# 88
37) 2-Methylnaphthalene	12.08	142	4027919	456.22	ng	# 83
45) 1,1'-Biphenyl	13.09	154	888894	56.81	ng	96
51) Acenaphthene	14.33	154	352378	27.87	ng	# 89
57) Fluorene	15.33	166	737918	47.34	ng	# 83
70) Phenanthrene	17.07	178	2019574	159.88	ng	# 84
77) Pyrene	19.44	202	722276	41.56	ng	# 95

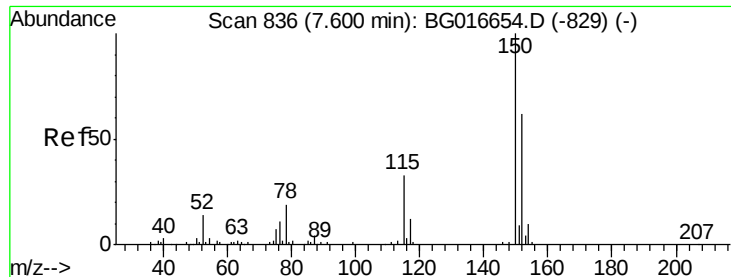
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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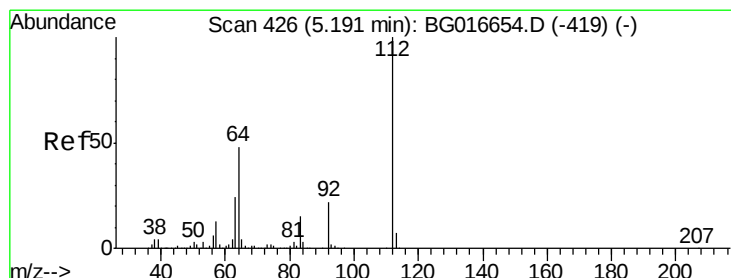
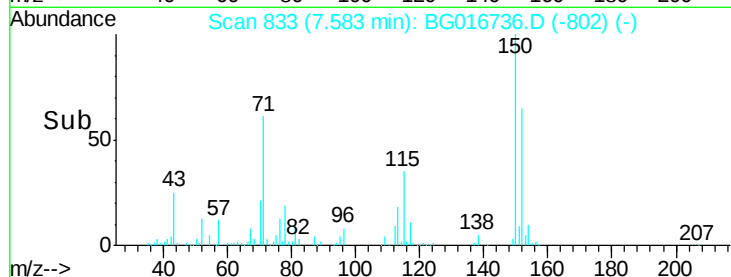
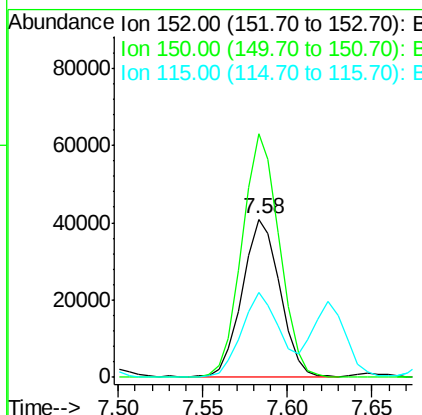
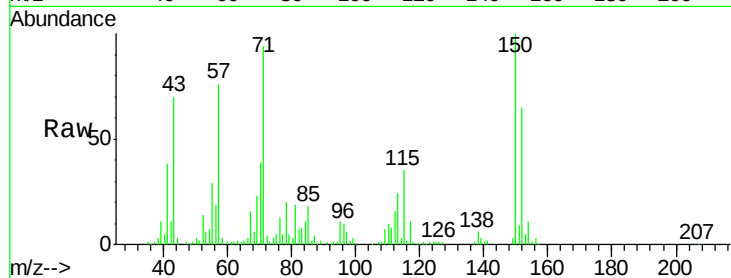


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.58 min Scan# 833
Delta R.T. -0.02 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL

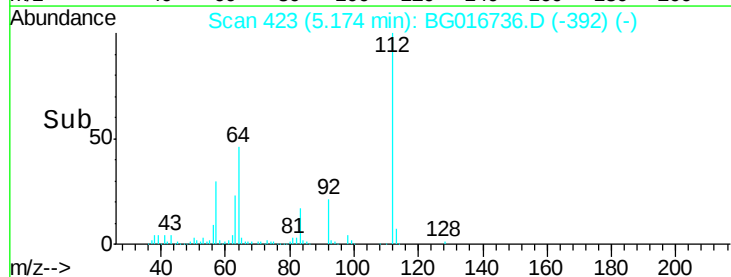
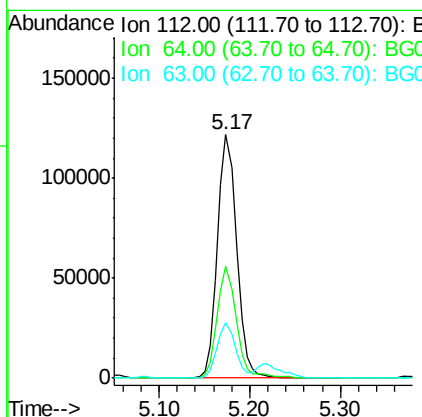
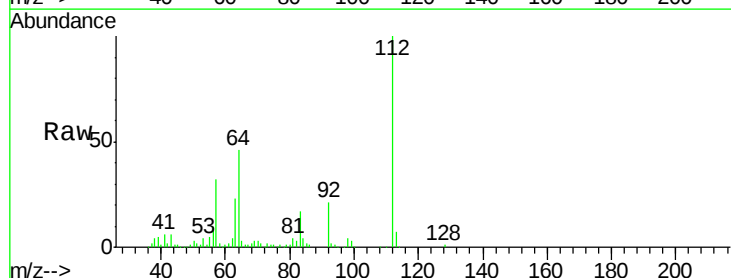
Tot Ion:152 Resp: 64026
Ion Ratio Lower Upper
152 100
150 153.8 129.6 194.4
115 53.5 43.0 64.6

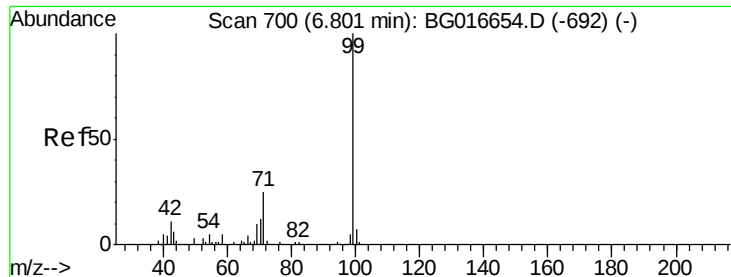


#5

2-Fluorophenol
Concen: 45.47 ng
RT: 5.17 min Scan# 423
Delta R.T. -0.02 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

Tgt Ion:112 Resp: 179387
Ion Ratio Lower Upper
112 100
64 45.8 38.3 57.5
63 23.0 18.9 28.3





#7

Phenol-d6

Concen: 48.67 ng

RT: 6.78 min Scan# 697

Delta R.T. -0.02 min

Lab File: BG016736.D

Acq: 27 Apr 2015 14:54

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL

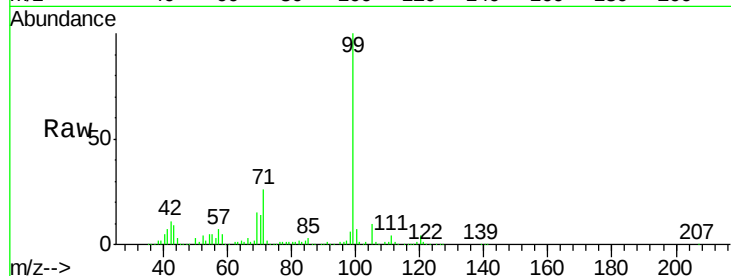
Tot Ion: 99 Resp: 269416

Ion Ratio Lower Upper

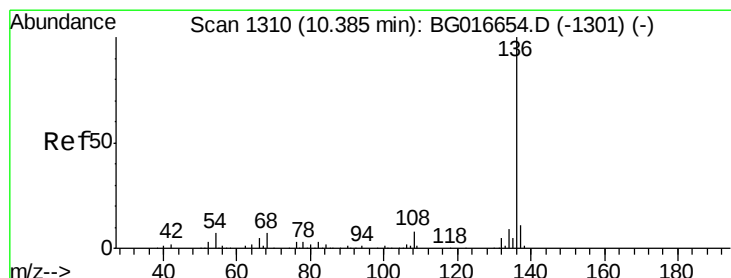
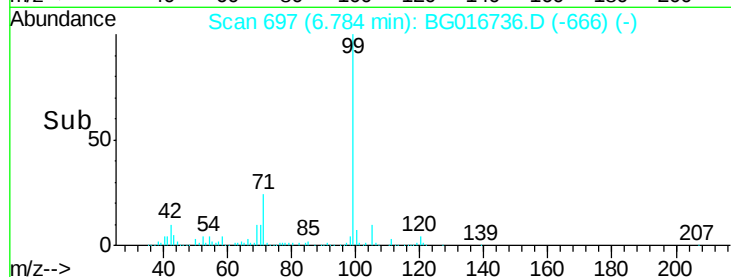
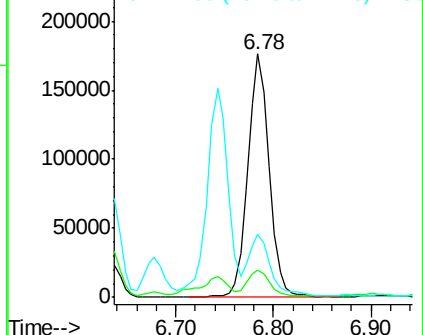
99 100

42 11.3 8.8 13.2

71 25.8 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# 1309

Delta R.T. -0.01 min

Lab File: BG016736.D

Acq: 27 Apr 2015 14:54

Tgt Ion: 136 Resp: 231844

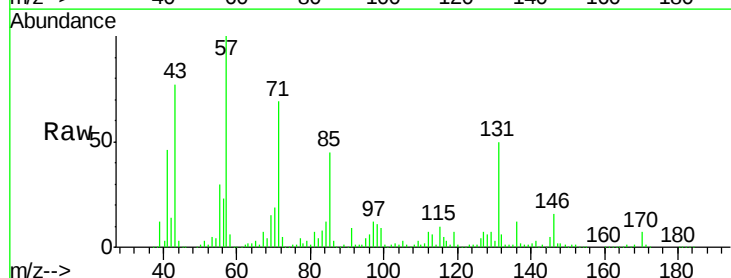
Ion Ratio Lower Upper

136 100

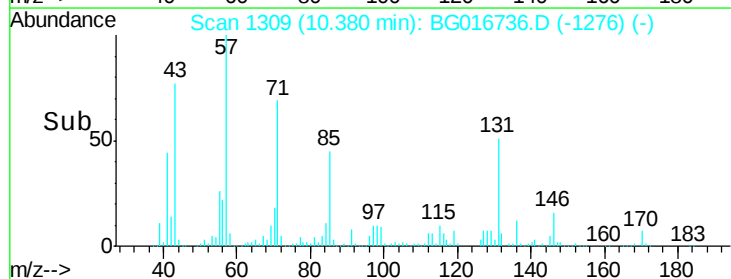
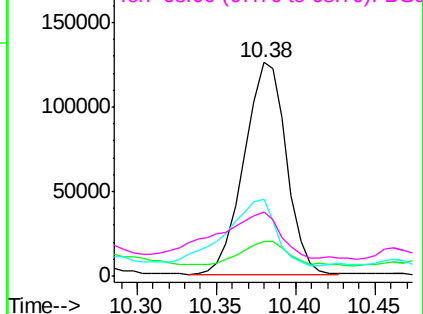
137 16.3 8.5 12.7#

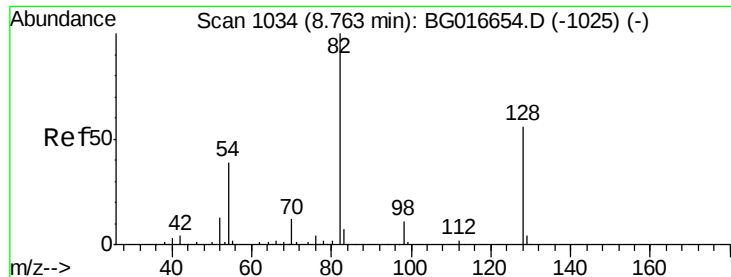
54 35.9 5.4 8.2#

68 29.8 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

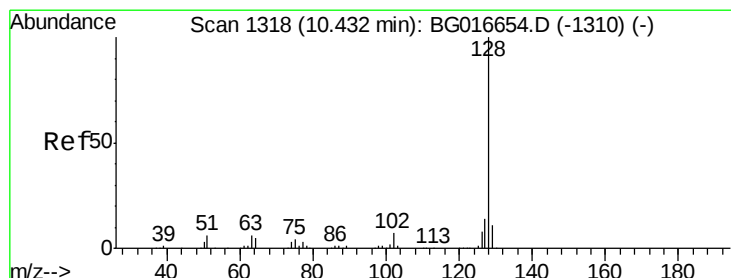
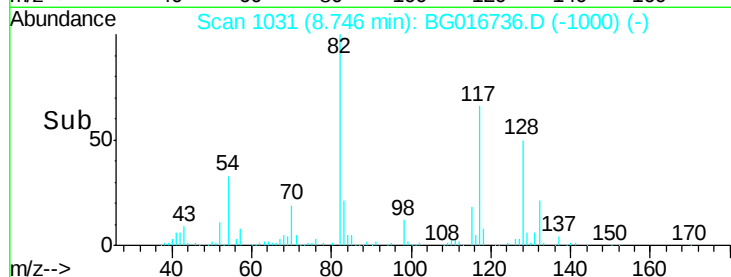
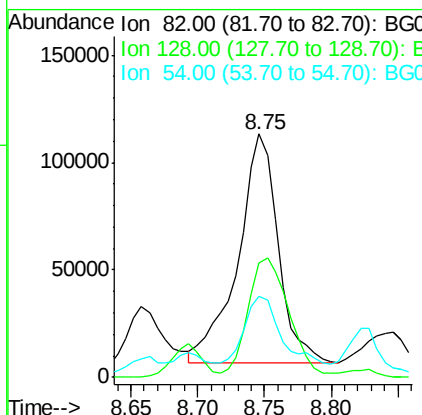
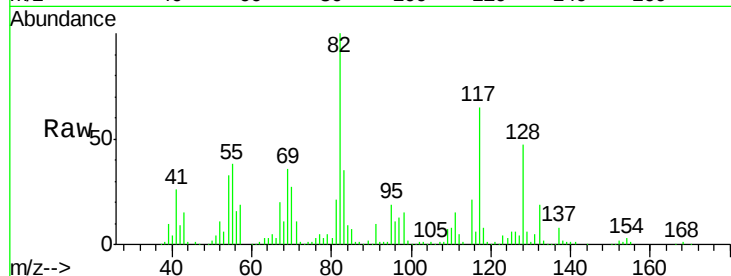




#23
 Nitrobenzene-d5
 Concen: 60.74 ng
 RT: 8.75 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

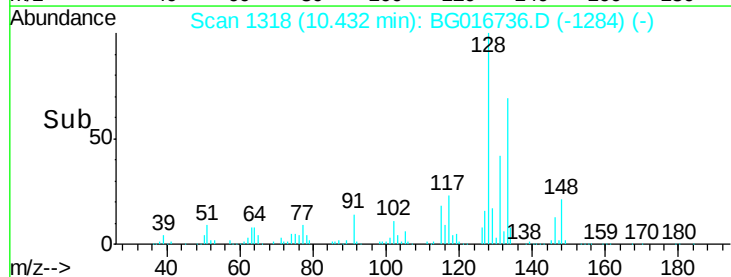
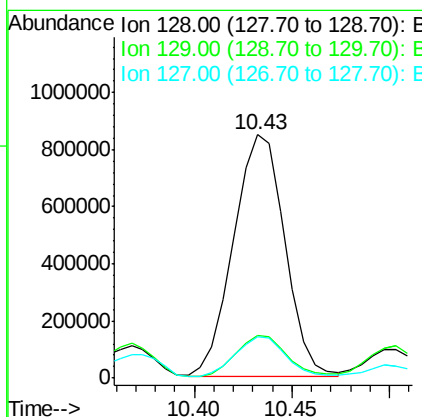
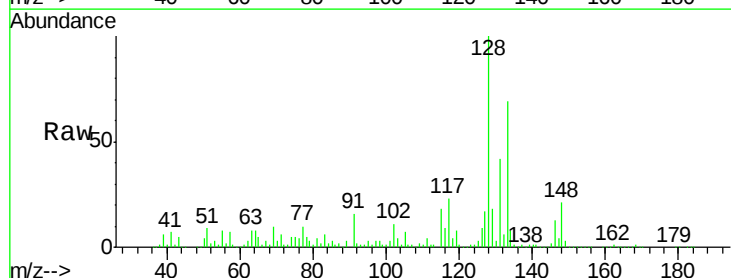
Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL

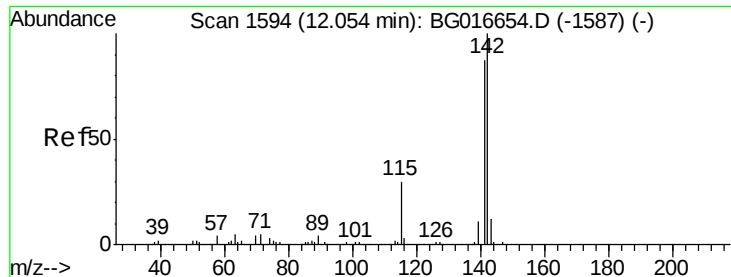
Tot Ion: 82 Resp: 222875
 Ion Ratio Lower Upper
 82 100
 128 46.8 44.7 67.1
 54 33.3 30.9 46.3



#31
 Naphthalene
 Concen: 126.90 ng
 RT: 10.43 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

Tgt Ion: 128 Resp: 1551245
 Ion Ratio Lower Upper
 128 100
 129 17.8 9.0 13.6#
 127 17.0 11.1 16.7#

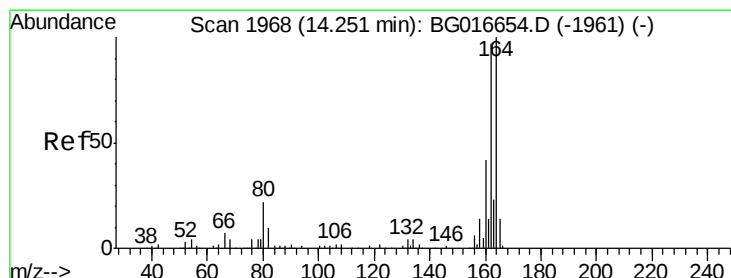
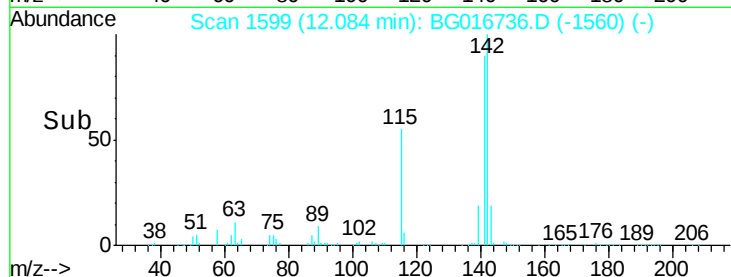
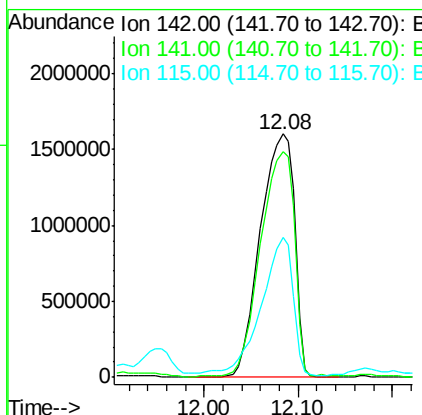
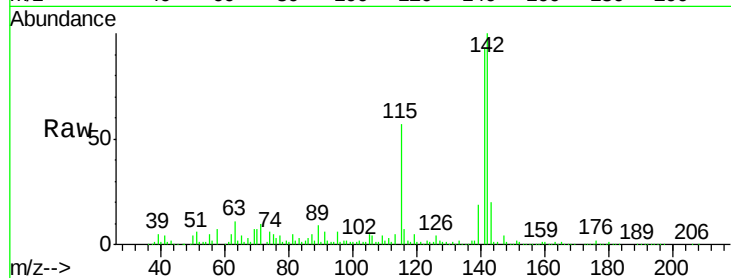




#37
2-Methylnaphthalene
Concen: 456.22 ng
RT: 12.08 min Scan# 1599
Delta R.T. 0.03 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

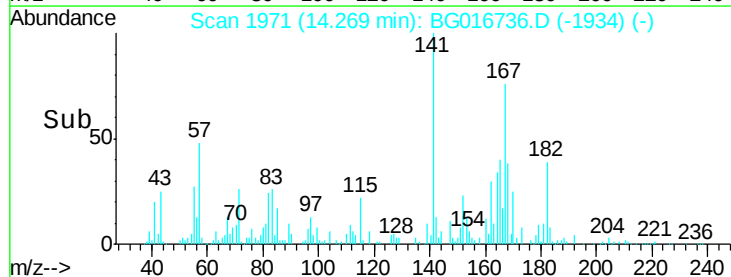
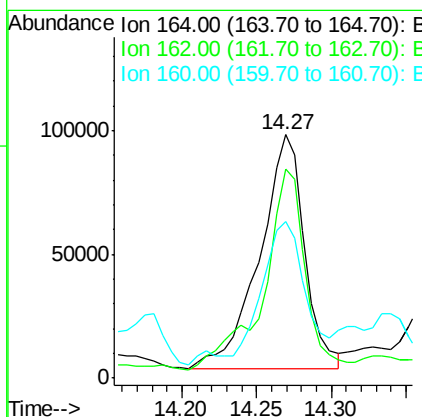
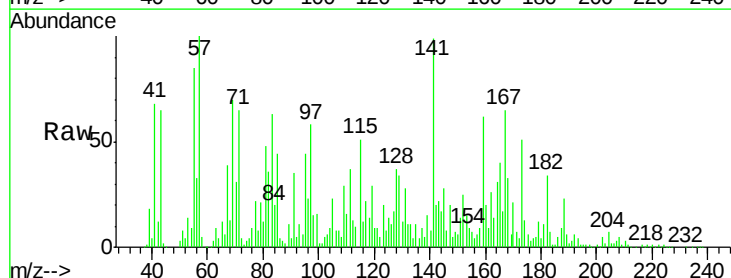
Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL

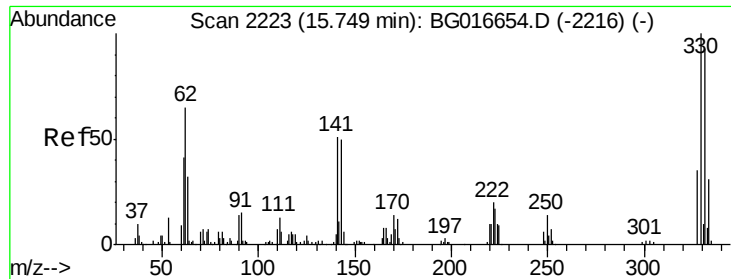
Tot Ion:142 Resp: 4027919
Ion Ratio Lower Upper
142 100
141 92.9 69.9 104.9
115 57.5 24.0 36.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1971
Delta R.T. 0.02 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

Tgt Ion:164 Resp: 199219
Ion Ratio Lower Upper
164 100
162 86.1 77.3 115.9
160 64.2 33.7 50.5#

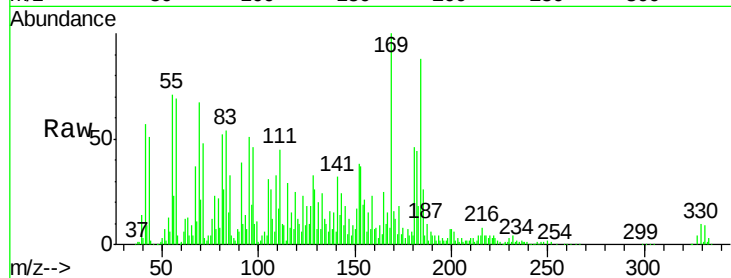




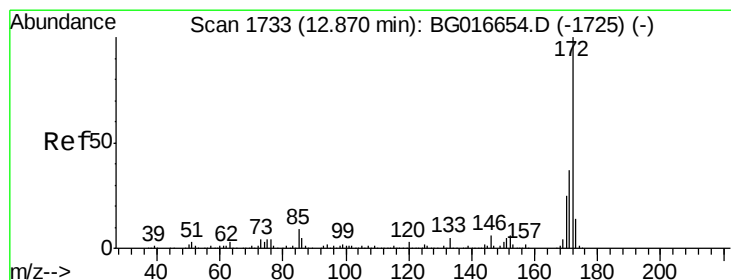
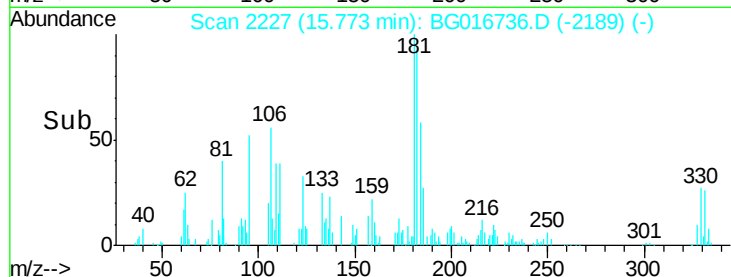
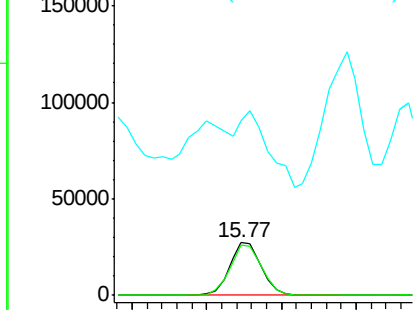
#41
 2,4,6-Tribromophenol
 Concen: 27.49 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. 0.02 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL

Tot Ion:330 Resp: 40622
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.2 114.4
 141 127.2 43.0 64.6#

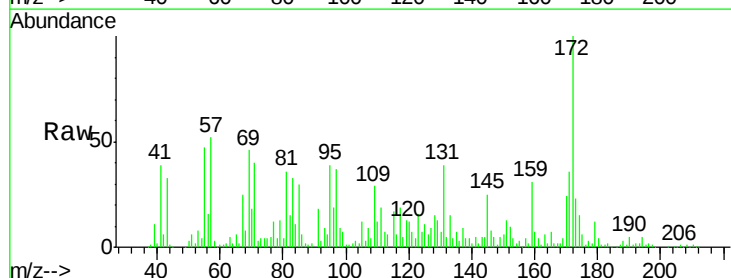


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

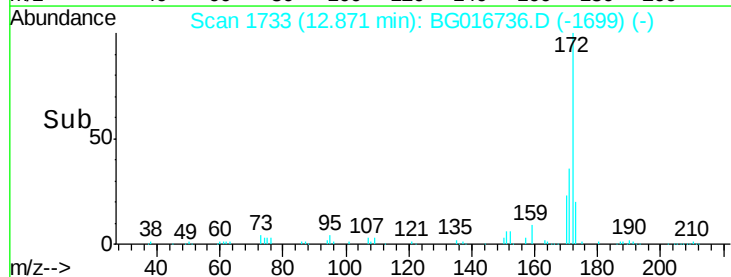
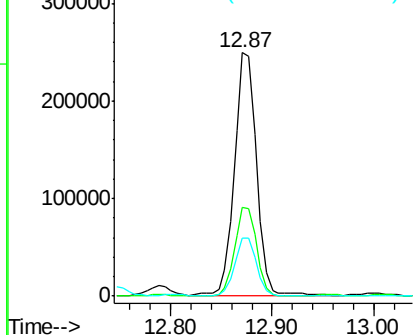


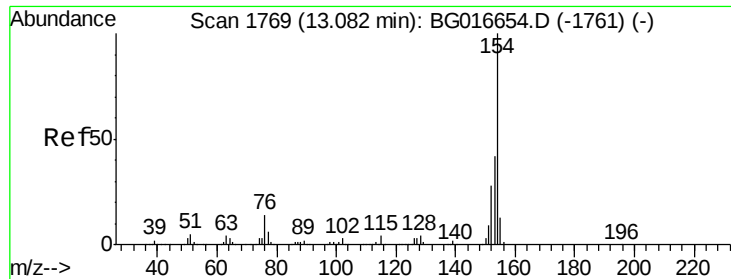
#44
 2-Fluorobiphenyl
 Concen: 30.72 ng
 RT: 12.87 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

Tgt Ion:172 Resp: 380912
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.9 44.9
 170 23.7 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

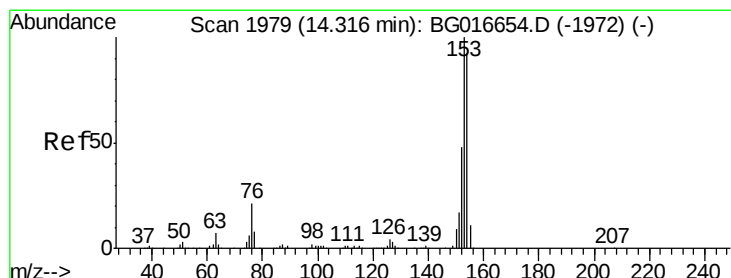
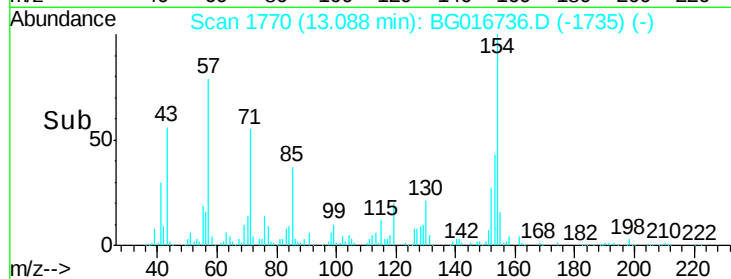
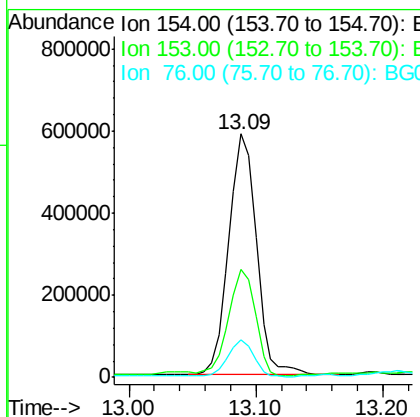
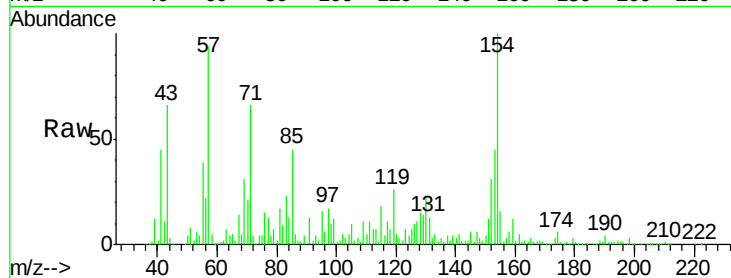




#45
 1,1'-Biphenyl
 Concen: 56.81 ng
 RT: 13.09 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

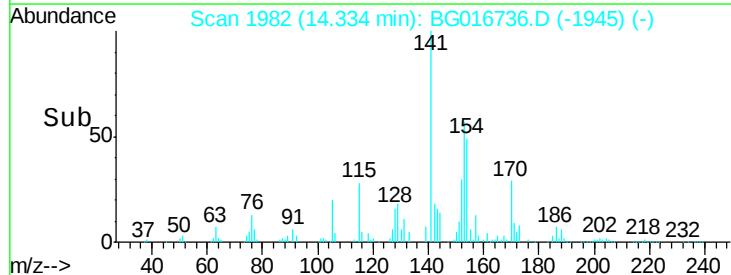
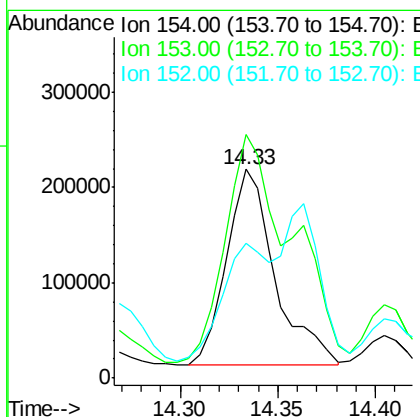
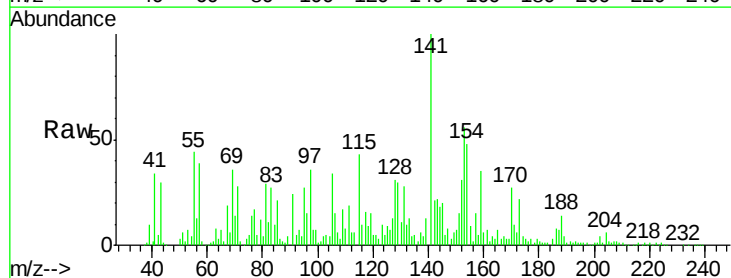
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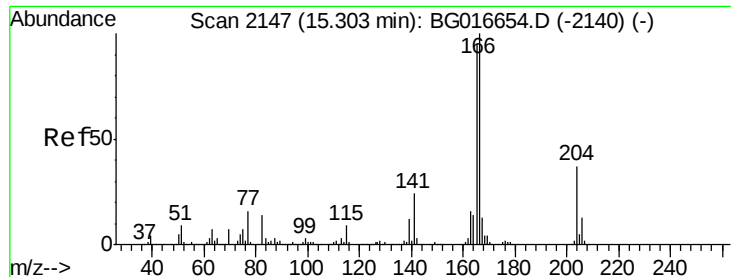
Tot Ion	Ratio	Lower	Upper
154	100		
153	44.6	21.8	61.8
76	15.2	0.0	33.7



#51
 Acenaphthene
 Concen: 27.87 ng
 RT: 14.33 min Scan# 1982
 Delta R.T. 0.02 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	87.0	130.6
152	64.6	41.6	62.4#





#57

Fluorene

Concen: 47.34 ng

RT: 15.33 min Scan# 2151

Delta R.T. 0.02 min

Lab File: BG016736.D

Acq: 27 Apr 2015 14:54

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL

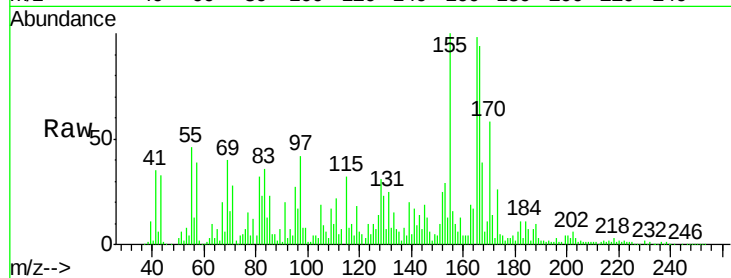
Tot Ion:166 Resp: 737918

Ion Ratio Lower Upper

166 100

165 104.2 75.6 113.4

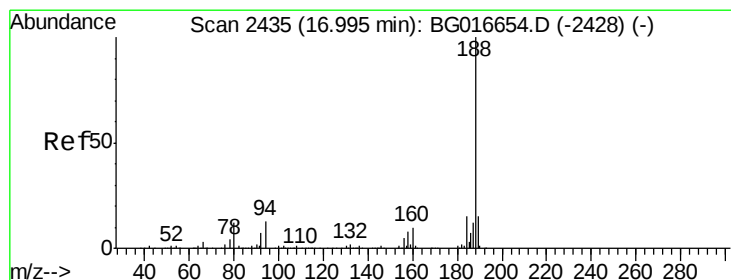
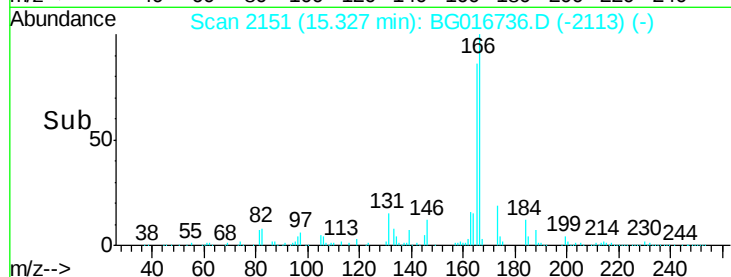
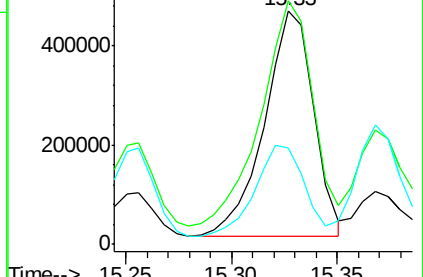
167 41.1 10.7 16.1#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.02 min Scan# 2440

Delta R.T. 0.03 min

Lab File: BG016736.D

Acq: 27 Apr 2015 14:54

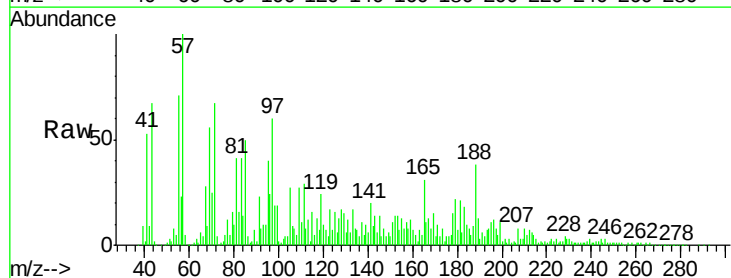
Tgt Ion:188 Resp: 219884

Ion Ratio Lower Upper

188 100

94 26.7 10.7 16.1#

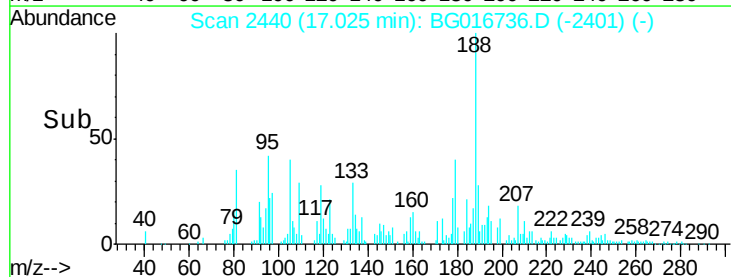
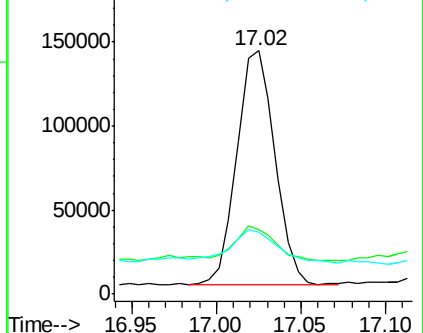
80 25.4 9.9 14.9#

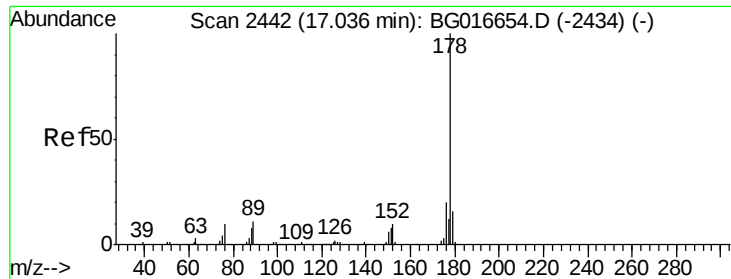


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

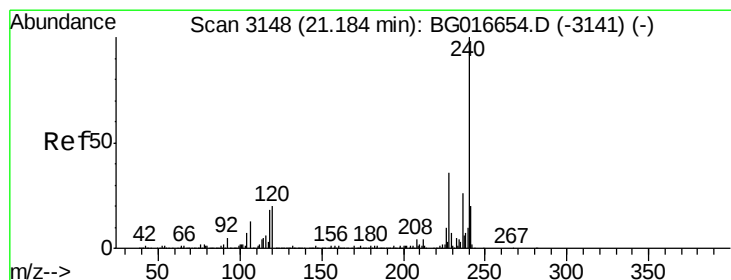
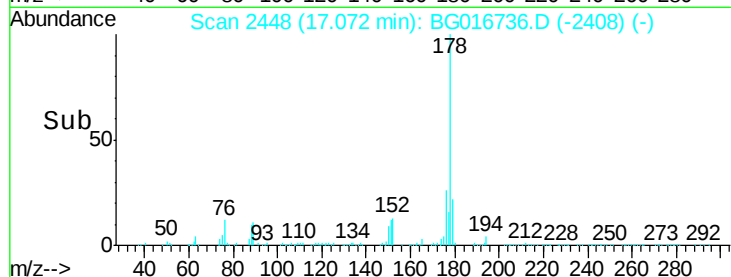
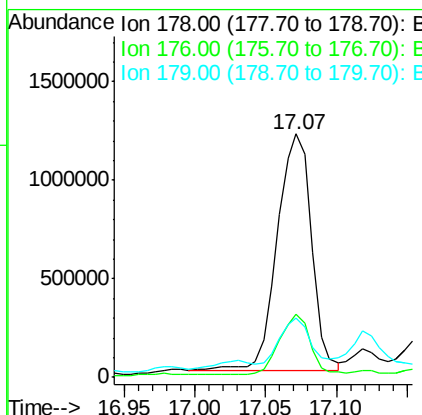
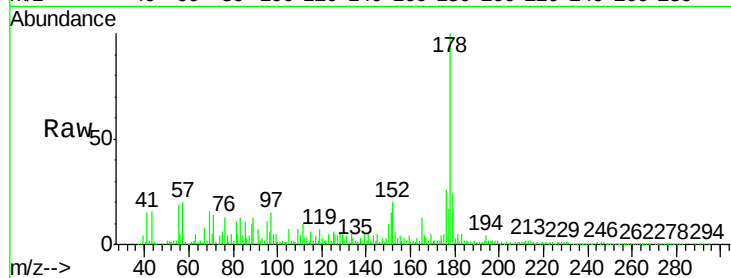




#70
Phenanthrene
Concen: 159.88 ng
RT: 17.07 min Scan# 2448
Delta R.T. 0.04 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

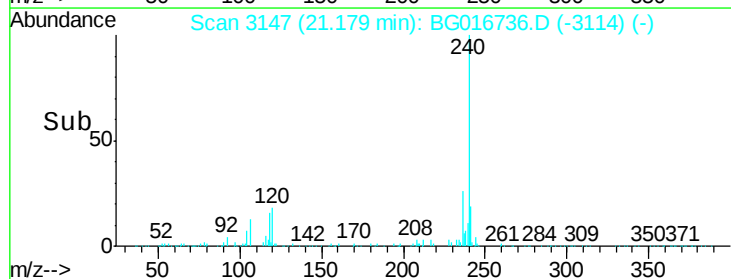
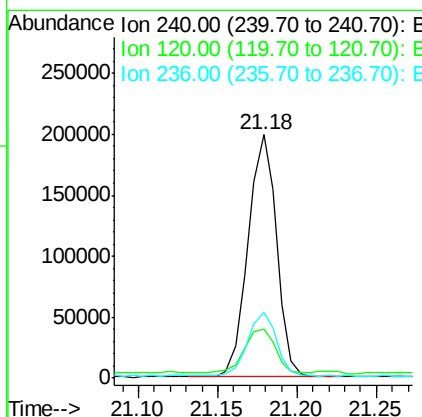
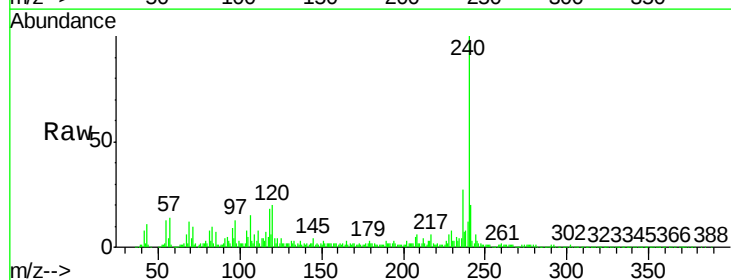
Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL

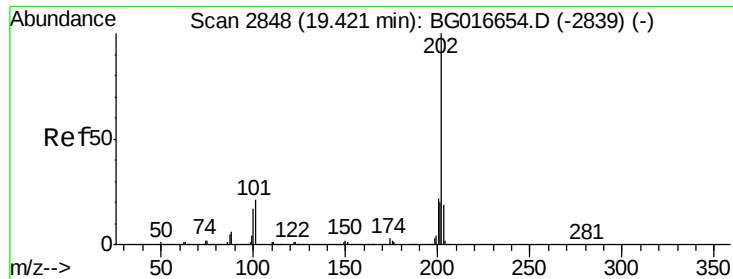
Tot Ion:178 Resp: 2019574
Ion Ratio Lower Upper
178 100
176 26.1 15.8 23.6#
179 24.2 12.8 19.2#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.18 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

Tgt Ion:240 Resp: 247405
Ion Ratio Lower Upper
240 100
120 20.1 16.3 24.5
236 27.0 21.1 31.7

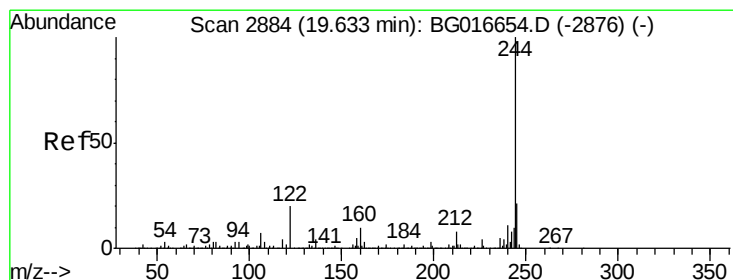
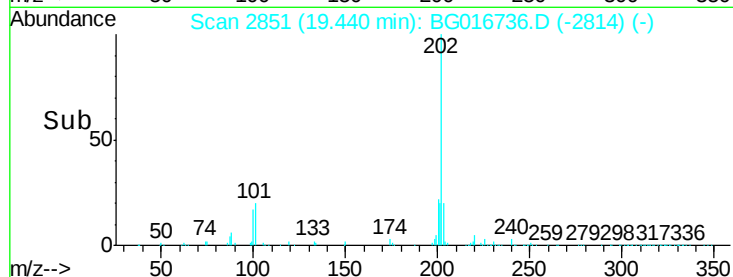
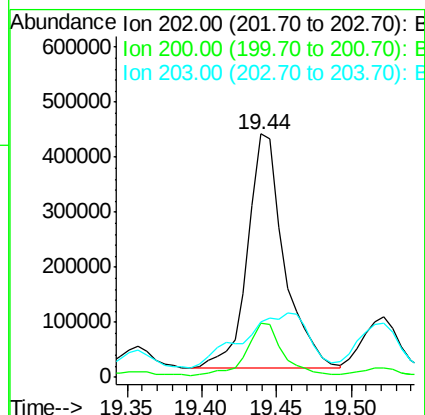
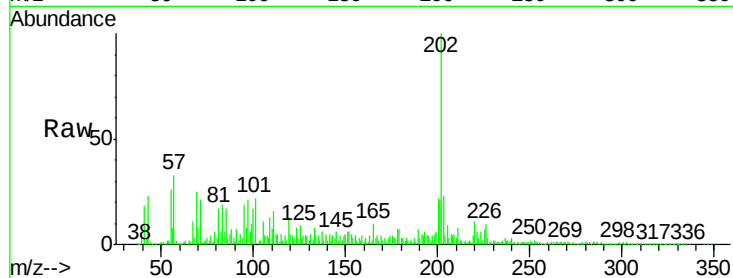




#77
Pvrene
Concen: 41.56 ng
RT: 19.44 min Scan# 2851
Delta R.T. 0.02 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

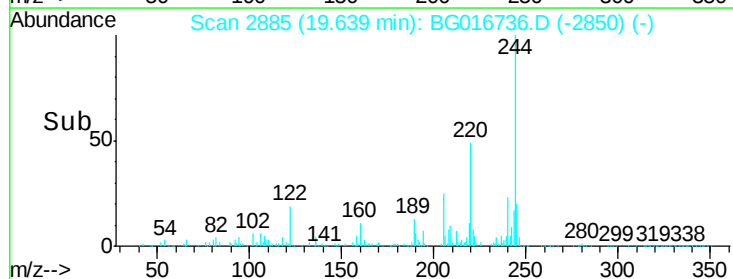
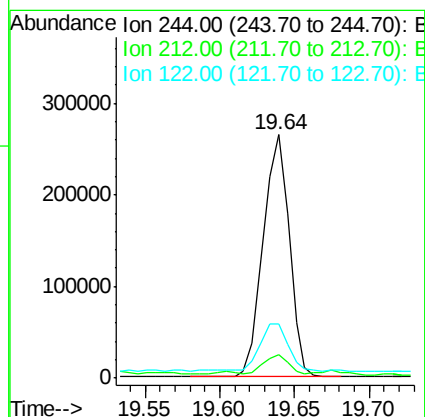
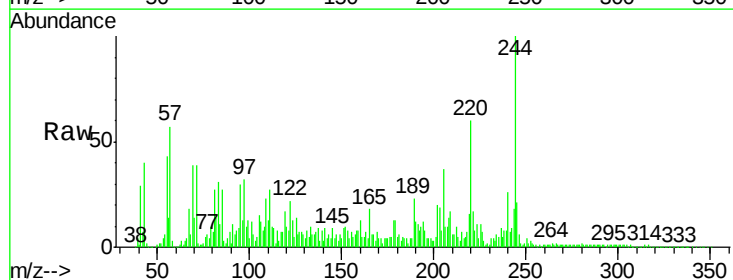
Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL

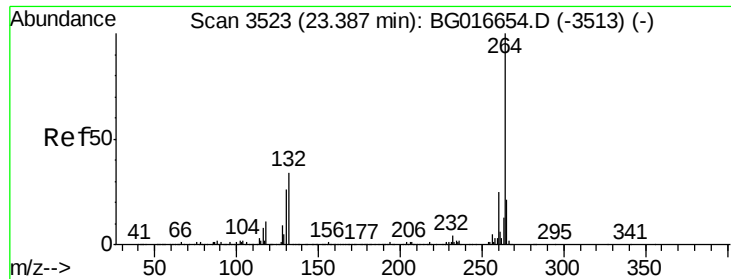
Tot Ion:202 Resp: 722276
Ion Ratio Lower Upper
202 100
200 22.1 18.0 27.0
203 22.9 14.9 22.3#



#78
Terphenyl-d14
Concen: 29.75 ng
RT: 19.64 min Scan# 2885
Delta R.T. 0.01 min
Lab File: BG016736.D
Acq: 27 Apr 2015 14:54

Tgt Ion:244 Resp: 319475
Ion Ratio Lower Upper
244 100
212 9.7 6.4 9.6#
122 22.4 15.9 23.9





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 23.37 min Scan# 3520
 Delta R.T. -0.02 min
 Lab File: BG016736.D
 Acq: 27 Apr 2015 14:54

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.0	30.0
265	21.7	16.8	25.2

