

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
 Data File : BG016737.D
 Acq On : 27 Apr 2015 15:28
 Operator : TP/IZ
 Sample : G1970-02DL2 25X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL2

Quant Time: Apr 27 16:24:05 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

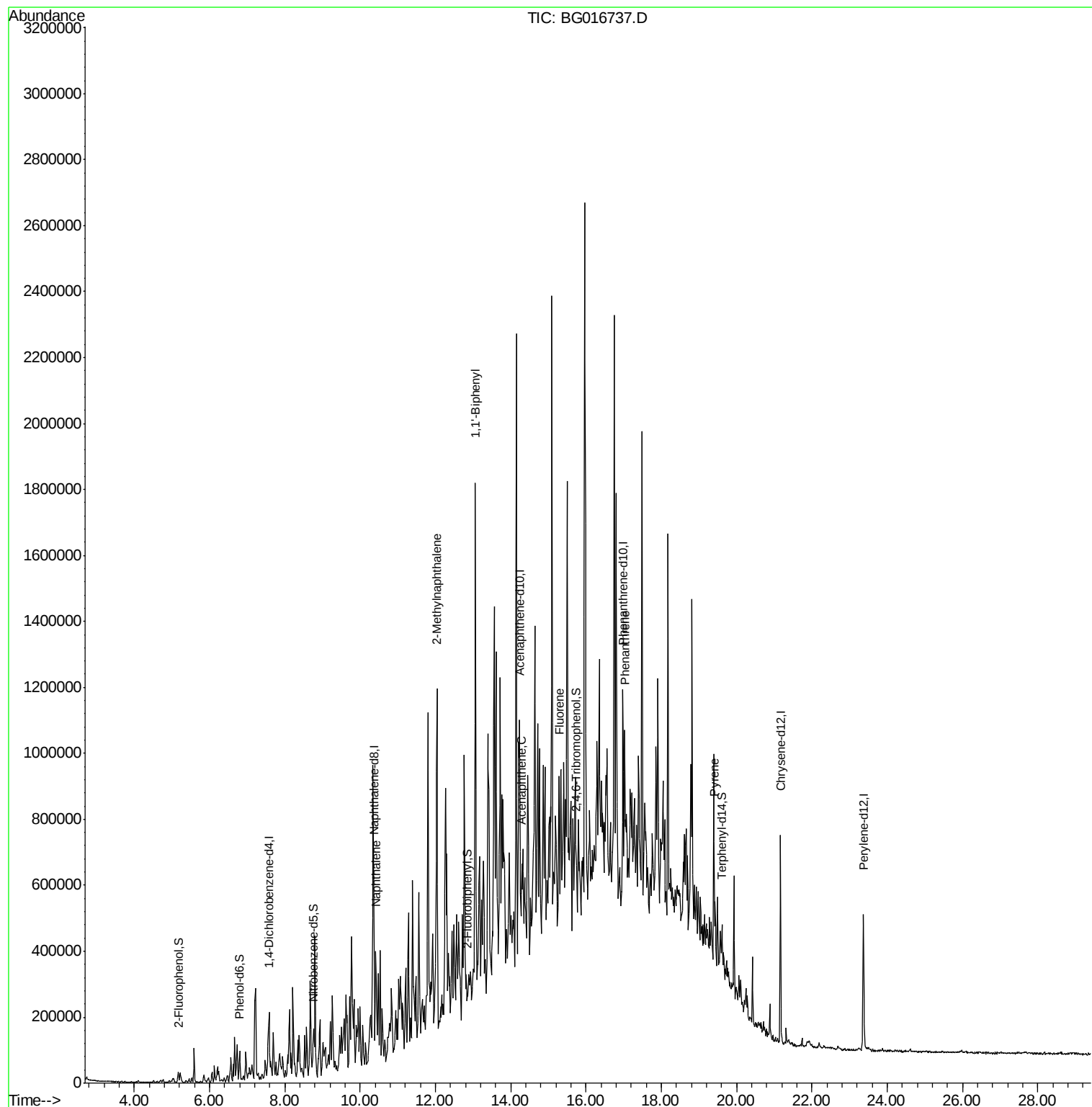
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	58184	20.00	ng	-0.02
21) Naphthalene-d8	10.37	136	252449	20.00	ng	-0.02
38) Acenaphthene-d10	14.24	164	151771	20.00	ng	-0.01
63) Phenanthrene-d10	16.98	188	282298	20.00	ng	-0.01
75) Chrysene-d12	21.17	240	258061	20.00	ng	-0.02
86) Perylene-d12	23.37	264	249591	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	13664	3.81	ng	-0.01
7) Phenol-d6	6.78	99	20031	3.98	ng	-0.02
23) Nitrobenzene-d5	8.74	82	14609	3.66	ng	-0.02
41) 2,4,6-Tribromophenol	15.74	330	4071	3.62	ng	-0.01
44) 2-Fluorobiphenyl	12.85	172	30081	3.18	ng	-0.02
78) Terphenyl-d14	19.62	244	34093	3.04	ng	-0.02
Target Compounds						
31) Naphthalene	10.42	128	125751	9.45	ng	# 96
37) 2-Methylnaphthalene	12.04	142	525543	54.67	ng	98
45) 1,1'-Biphenyl	13.06	154	83634	7.02	ng	96
51) Acenaphthene	14.30	154	32492	3.37	ng	94
57) Fluorene	15.29	166	77041	6.49	ng	# 90
70) Phenanthrene	17.03	178	282852	17.44	ng	97
77) Pyrene	19.41	202	71599	3.95	ng	95

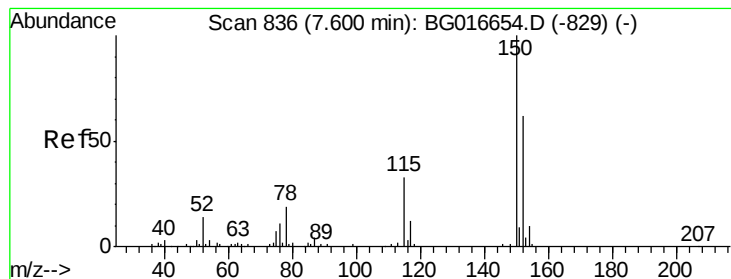
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.58 min Scan# 833

Delta R.T. -0.02 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL2

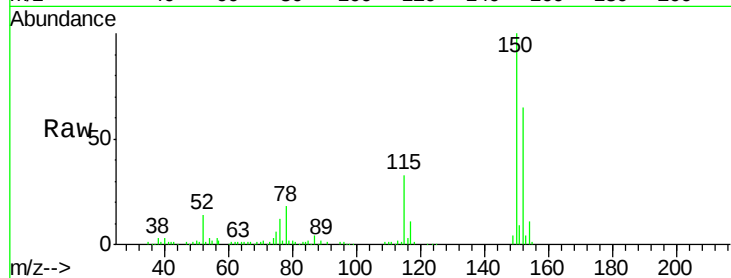
Tot Ion:152 Resp: 58184

Ion Ratio Lower Upper

152 100

150 154.2 129.6 194.4

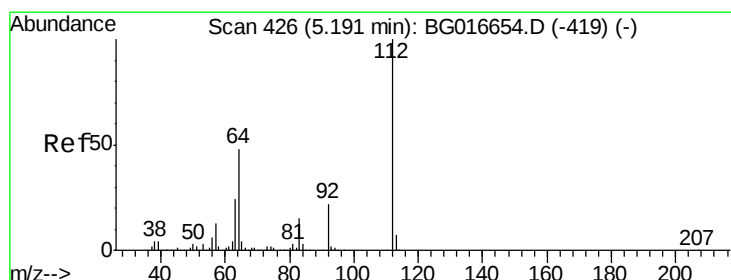
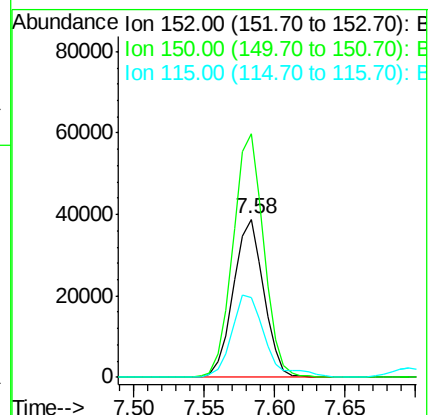
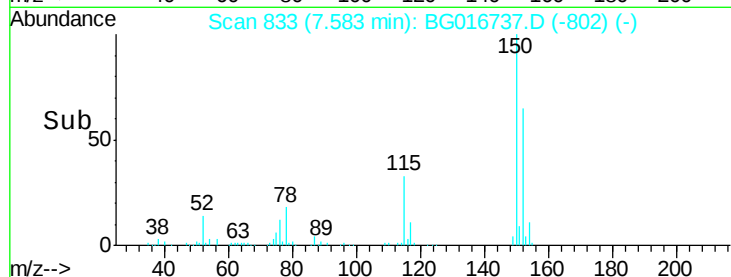
115 50.4 43.0 64.6



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: 3.81 ng

RT: 5.18 min Scan# 424

Delta R.T. -0.01 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

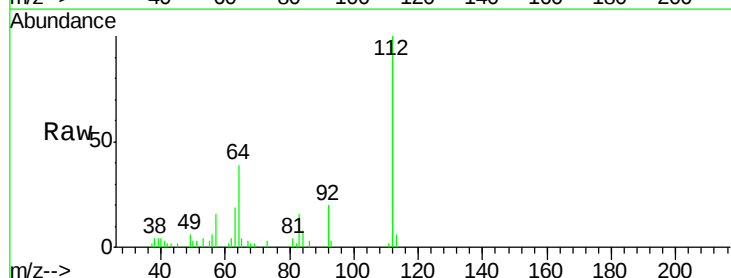
Tgt Ion:112 Resp: 13664

Ion Ratio Lower Upper

112 100

64 39.4 38.3 57.5

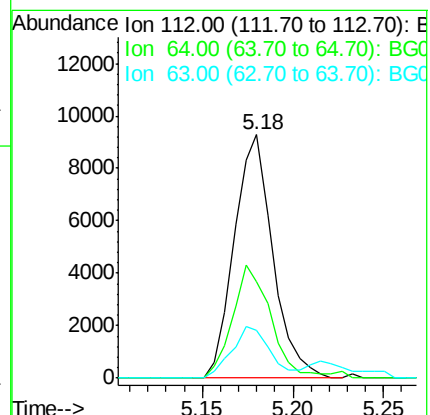
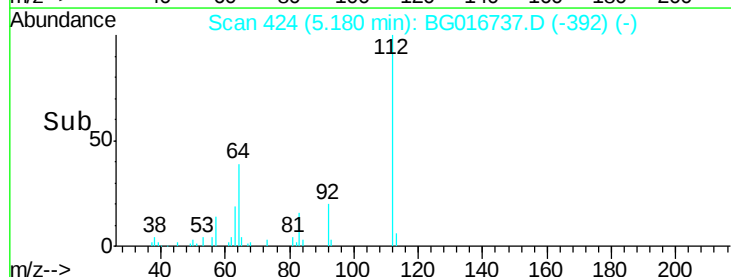
63 19.5 18.9 28.3

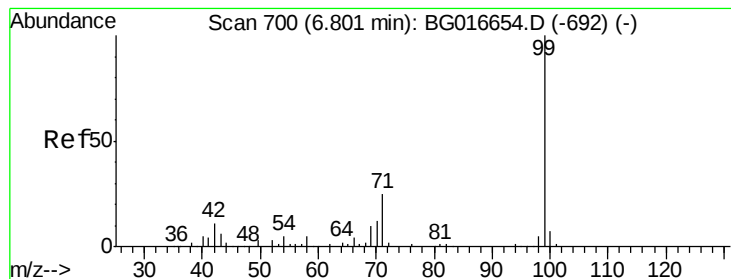


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 3.98 ng

RT: 6.78 min Scan# 697

Delta R.T. -0.02 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL2

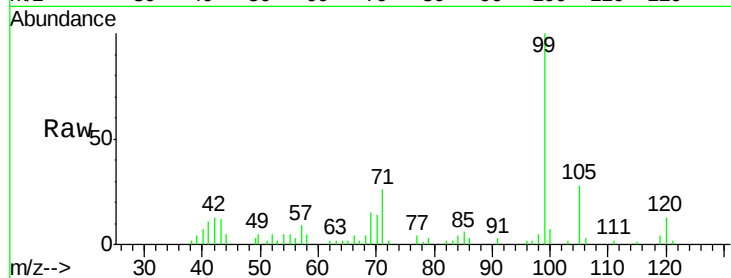
Tot Ion: 99 Resp: 20031

Ion Ratio Lower Upper

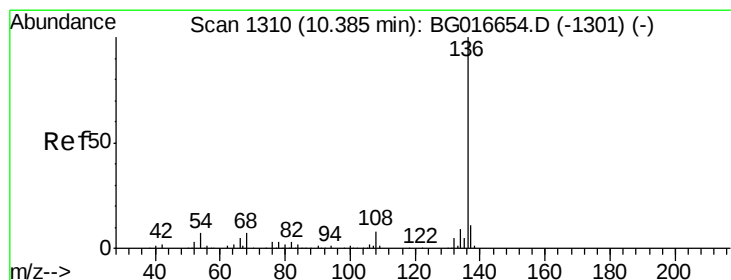
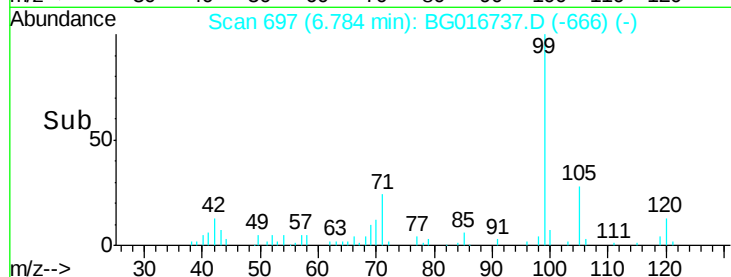
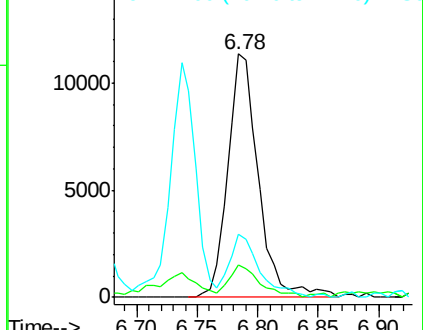
99 100

42 13.1 8.8 13.2

71 26.0 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: 10.37 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Tgt Ion: 136 Resp: 252449

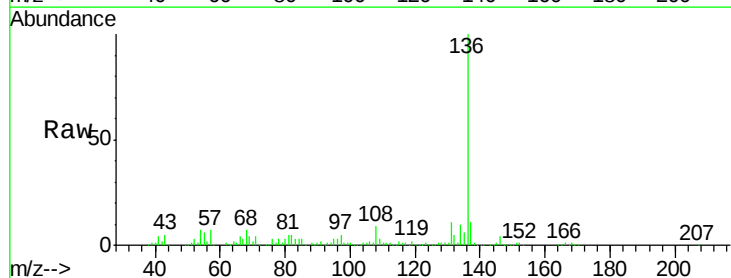
Ion Ratio Lower Upper

136 100

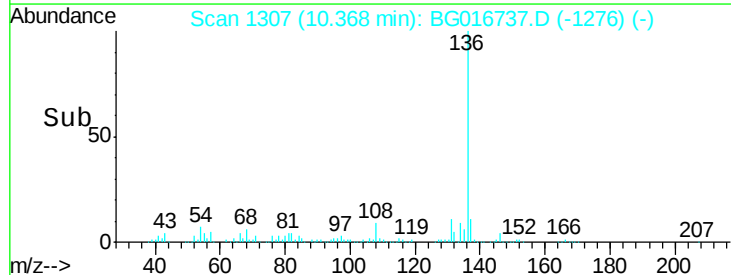
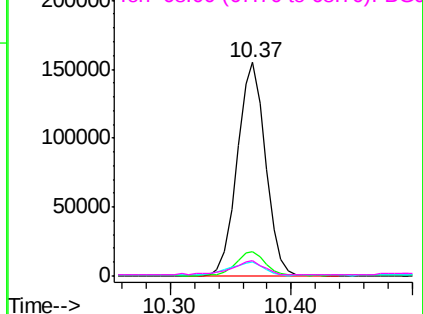
137 11.2 8.5 12.7

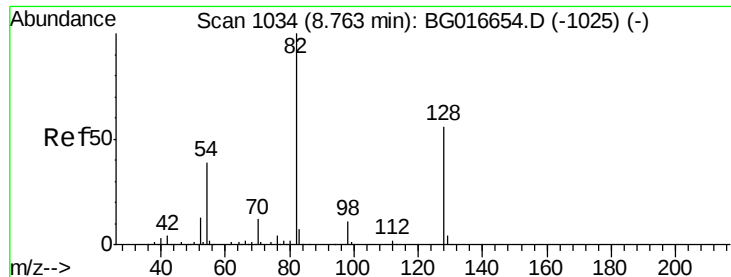
54 6.8 5.4 8.2

68 6.9 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

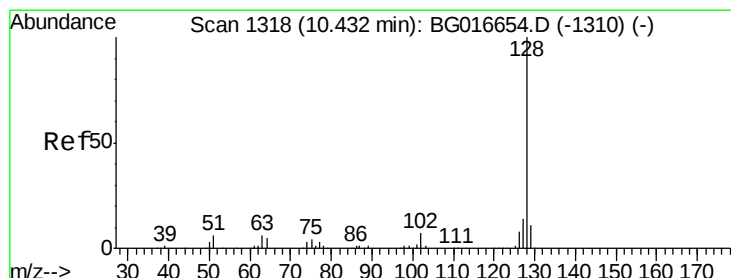
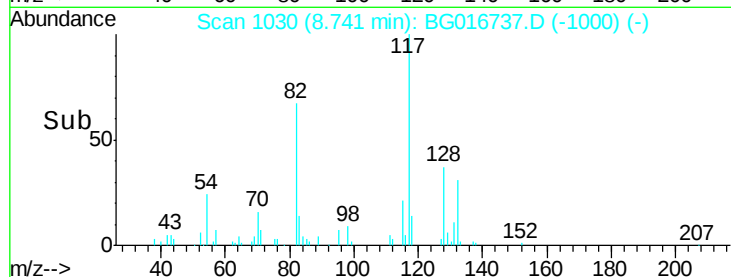
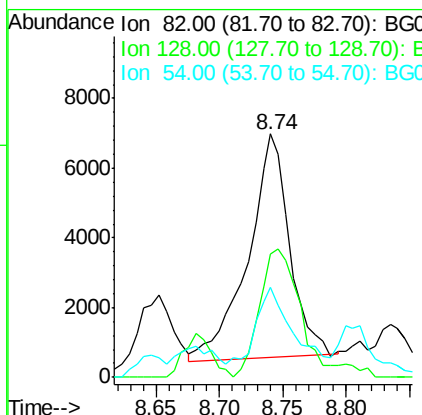
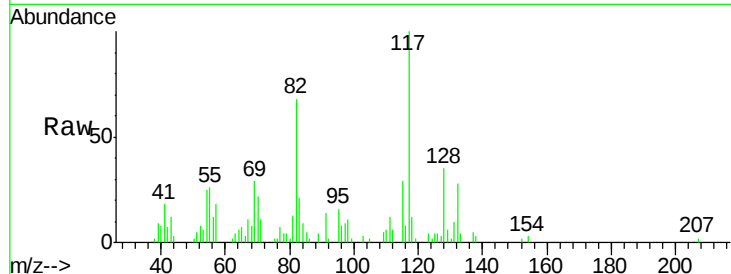




#23
 Nitrobenzene-d5
 Concen: 3.66 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: BG016737.D
 Acq: 27 Apr 2015 15:28

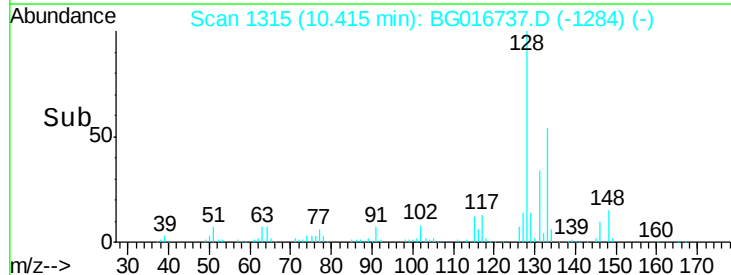
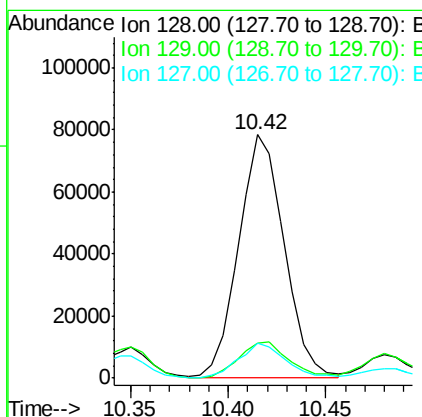
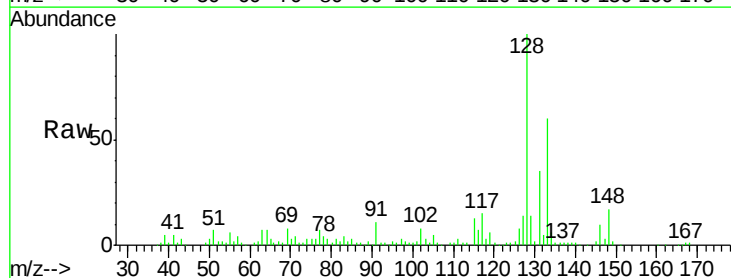
Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL2

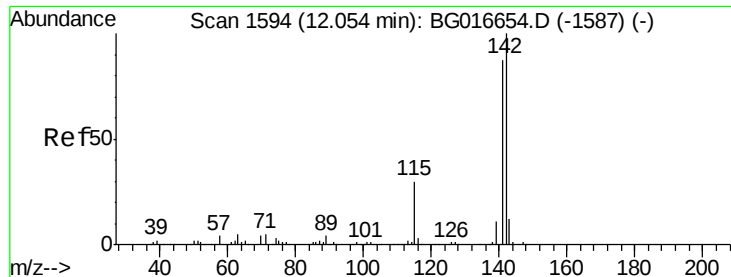
Tot Ion	82	Resp	14609
Ion Ratio	Lower	Upper	
82	100		
128	50.6	44.7	67.1
54	36.9	30.9	46.3



#31
 Naphthalene
 Concen: 9.45 ng
 RT: 10.42 min Scan# 1315
 Delta R.T. -0.02 min
 Lab File: BG016737.D
 Acq: 27 Apr 2015 15:28

Tgt Ion	128	Resp	125751
Ion Ratio	Lower	Upper	
128	100		
129	14.3	9.0	13.6#
127	14.3	11.1	16.7

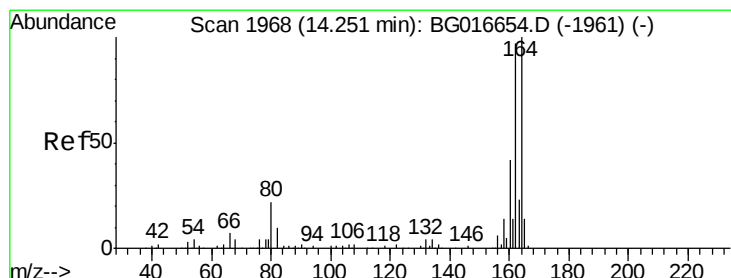
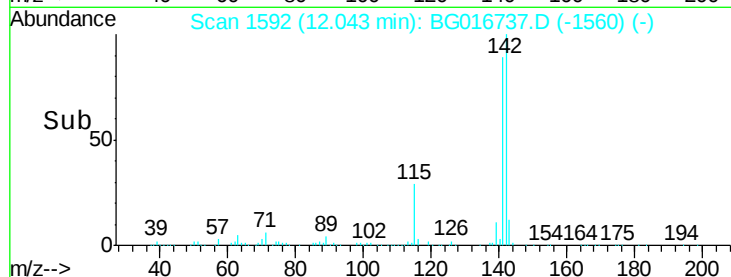
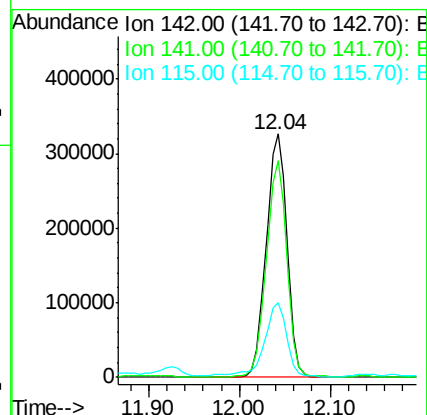
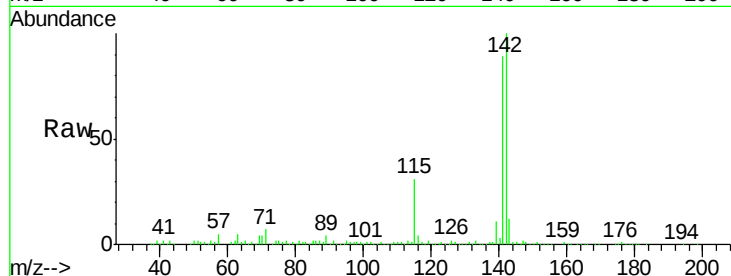




#37
2-Methylnaphthalene
Concen: 54.67 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

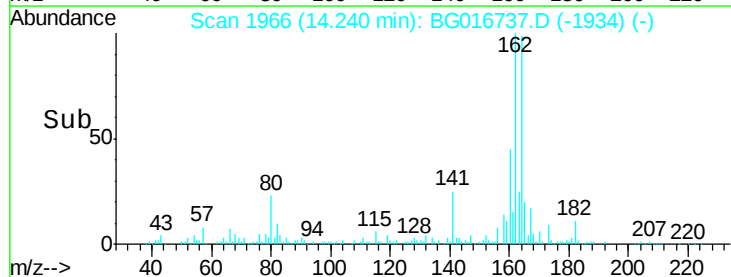
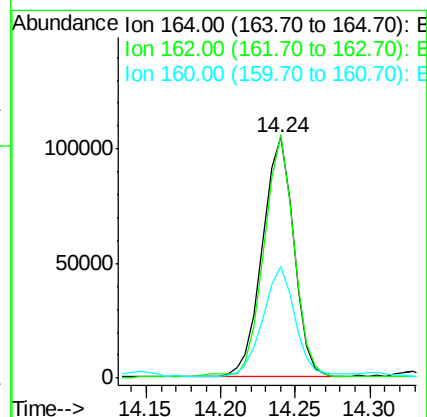
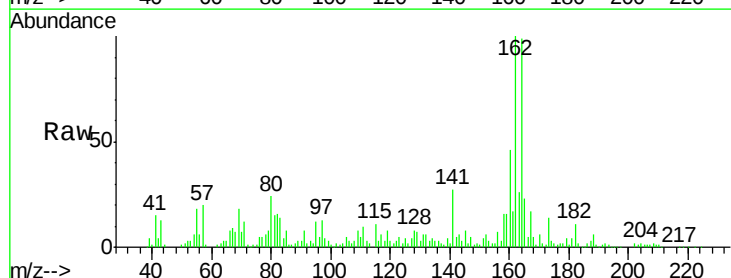
Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

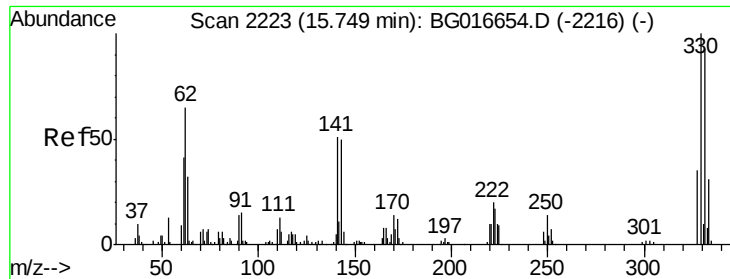
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.9	104.9
115	30.9	24.0	36.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.24 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	77.3	115.9
160	46.4	33.7	50.5

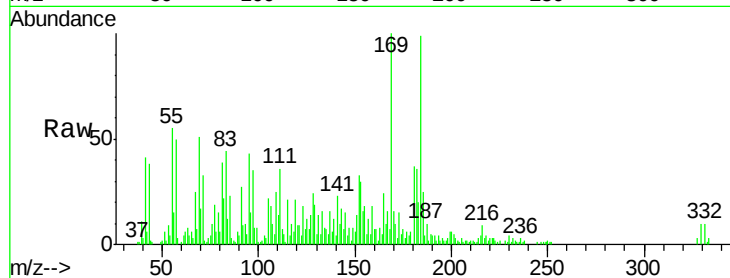




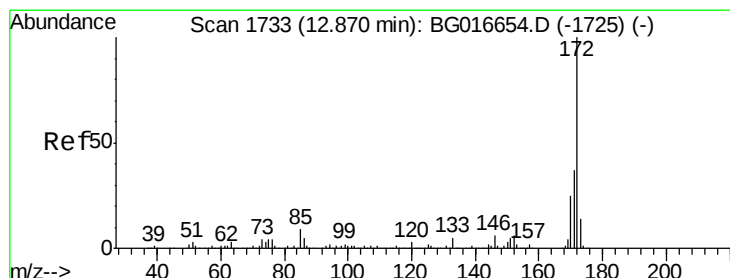
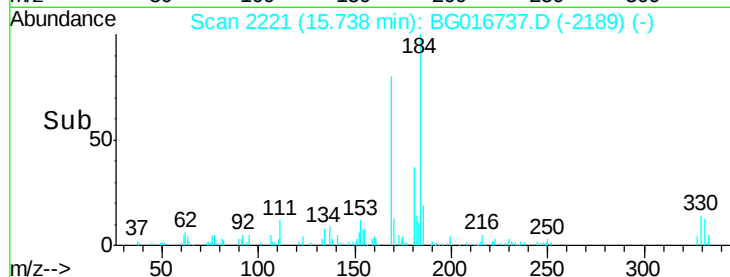
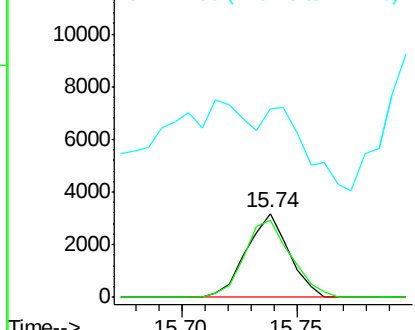
#41
 2,4,6-Tribromophenol
 Concen: 3.62 ng
 RT: 15.74 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BG016737.D
 Acq: 27 Apr 2015 15:28

Instrument :
 BNA_G
 ClientSampleId :
 1052-CHAMBERLAND-BOTTOMDL2

Tot Ion:330 Resp: 4071
 Ion Ratio Lower Upper
 330 100
 332 101.6 76.2 114.4
 141 0.0 43.0 64.6#

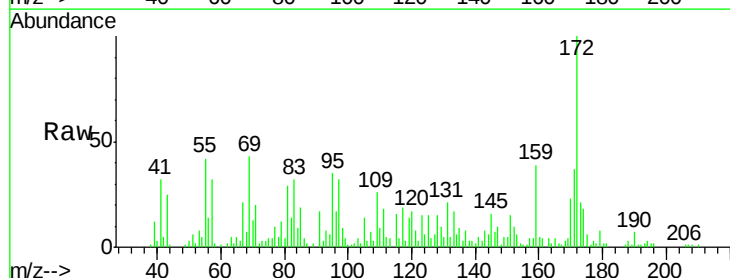


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

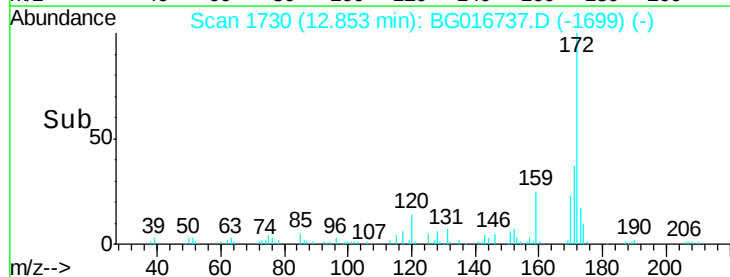
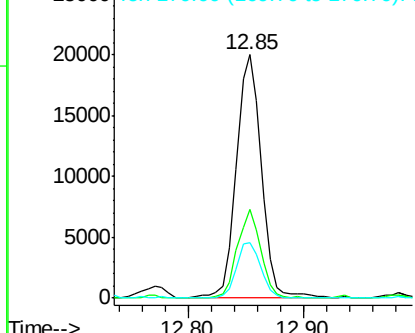


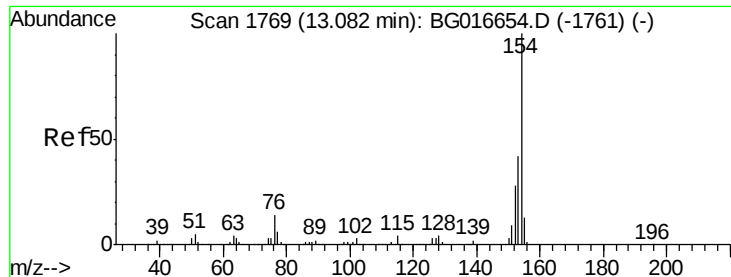
#44
 2-Fluorobiphenyl
 Concen: 3.18 ng
 RT: 12.85 min Scan# 1730
 Delta R.T. -0.02 min
 Lab File: BG016737.D
 Acq: 27 Apr 2015 15:28

Tgt Ion:172 Resp: 30081
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.9 44.9
 170 22.6 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: 7.02 ng

RT: 13.06 min Scan# 1766

Delta R.T. -0.02 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL2

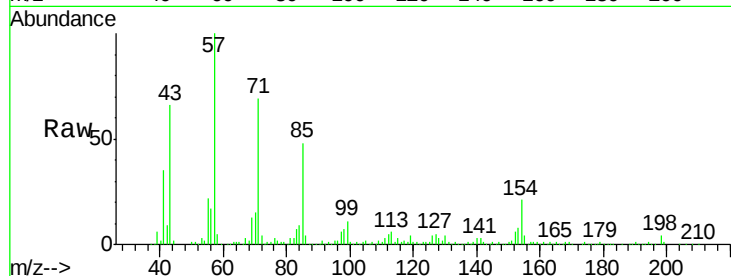
Tot Ion:154 Resp: 83634

Ion Ratio Lower Upper

154 100

153 39.5 21.8 61.8

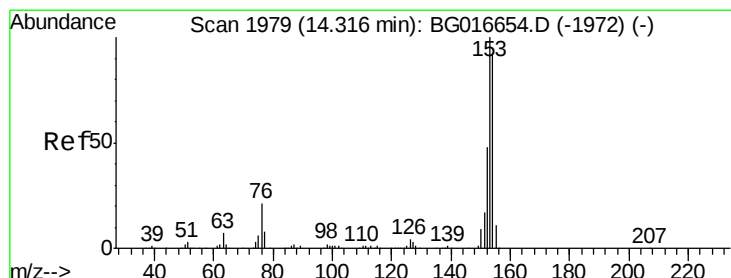
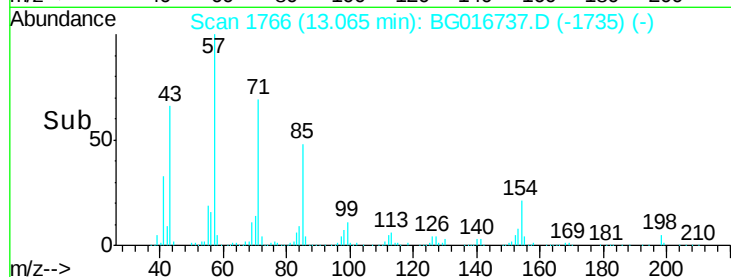
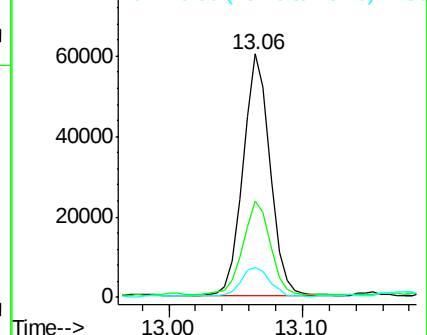
76 12.3 0.0 33.7



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: 3.37 ng

RT: 14.30 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

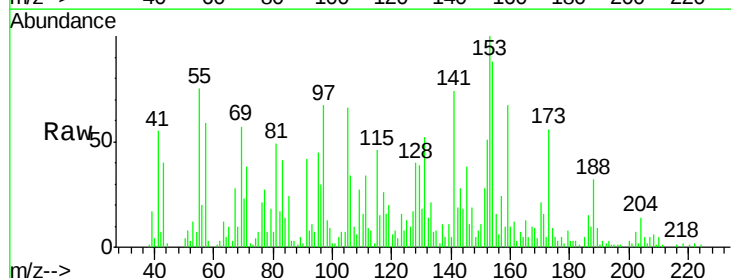
Tgt Ion:154 Resp: 32492

Ion Ratio Lower Upper

154 100

153 114.2 87.0 130.6

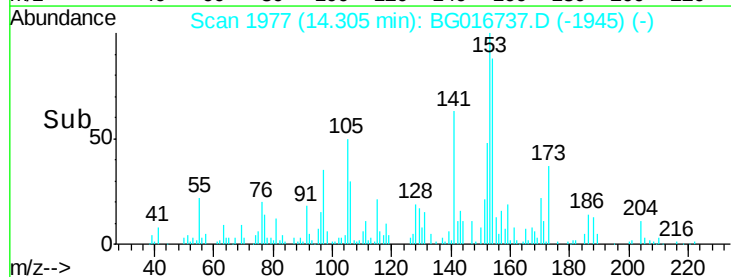
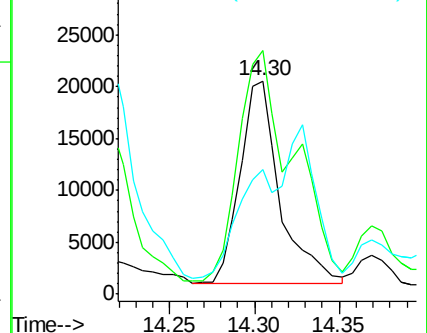
152 58.4 41.6 62.4

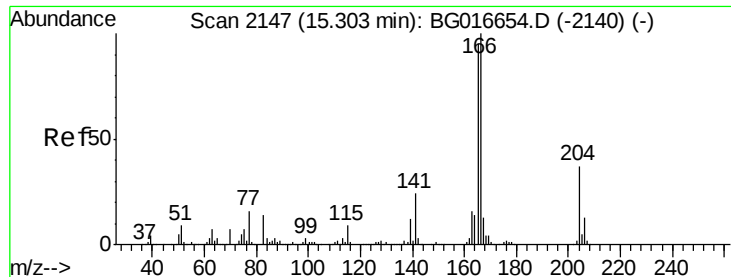


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 6.49 ng

RT: 15.29 min Scan# 2145

Delta R.T. -0.01 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Instrument :

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ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL2

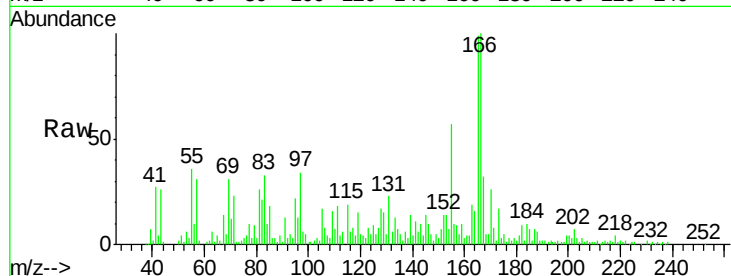
Tot Ion:166 Resp: 77041

Ion Ratio Lower Upper

166 100

165 98.8 75.6 113.4

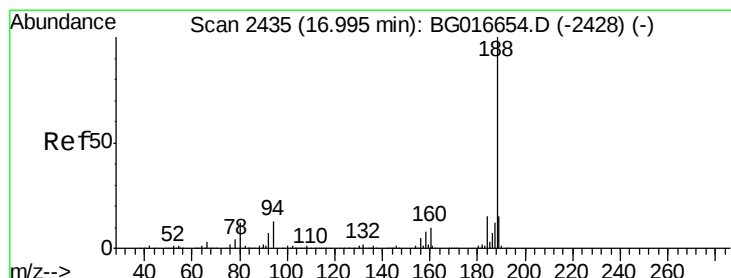
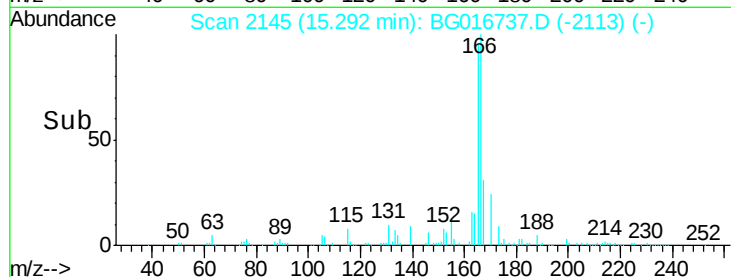
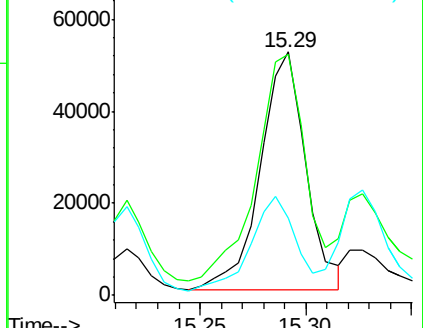
167 31.8 10.7 16.1#



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: 16.98 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

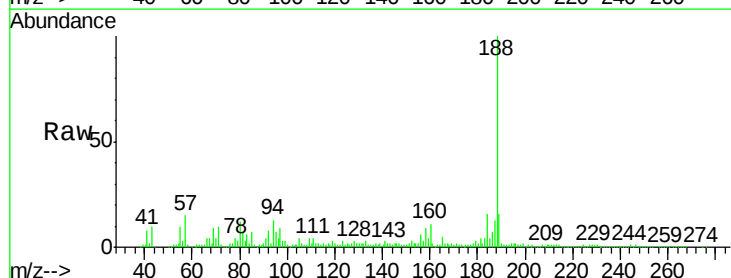
Tgt Ion:188 Resp: 282298

Ion Ratio Lower Upper

188 100

94 12.6 10.7 16.1

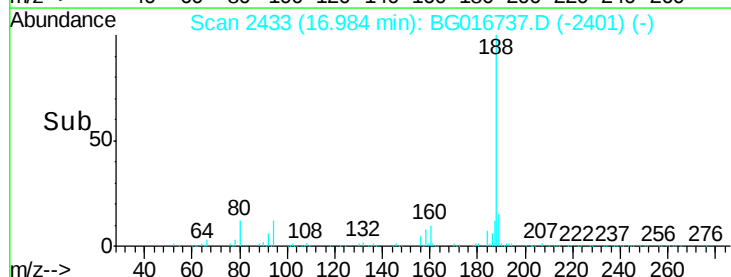
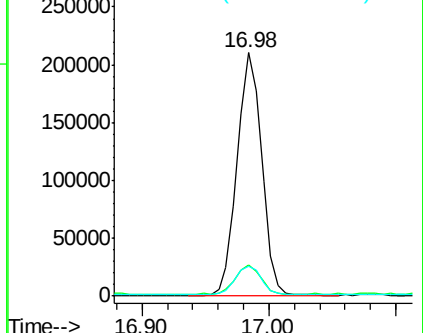
80 12.3 9.9 14.9

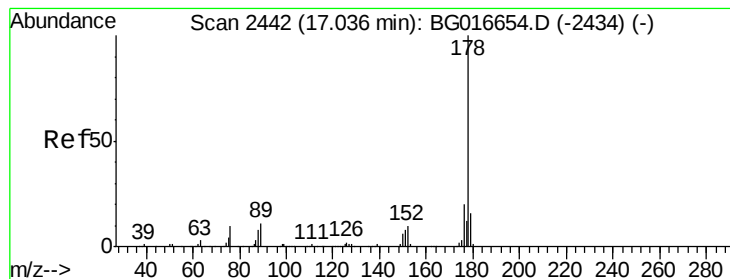


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 17.44 ng

RT: 17.03 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL2

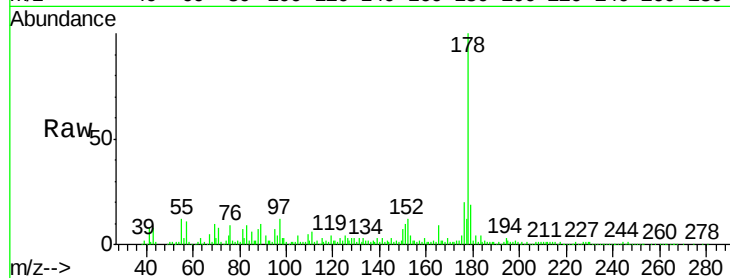
Tot Ion:178 Resp: 282852

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

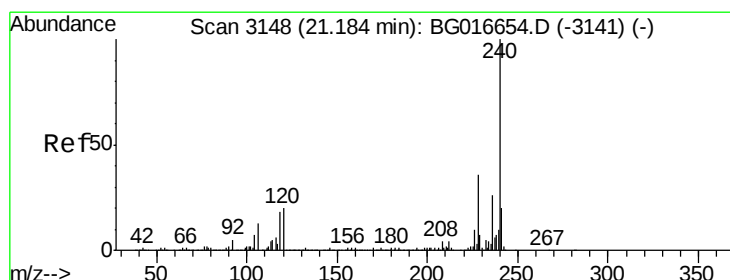
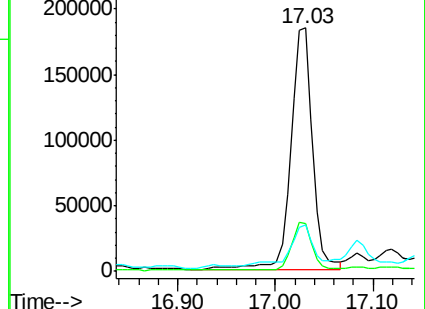
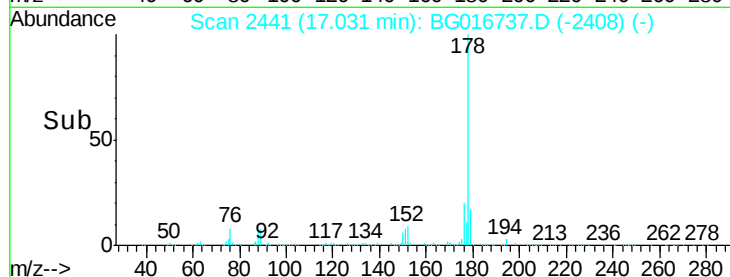
179 18.9 12.8 19.2



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. -0.02 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

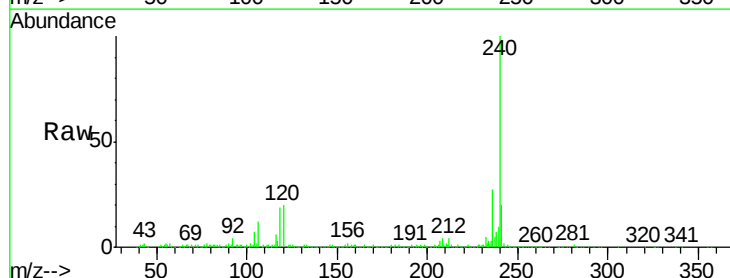
Tgt Ion:240 Resp: 258061

Ion Ratio Lower Upper

240 100

120 20.5 16.3 24.5

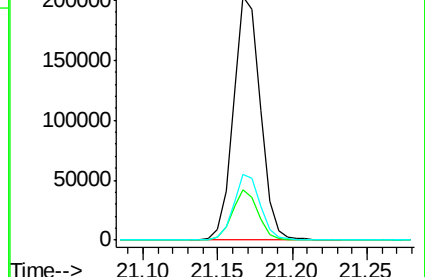
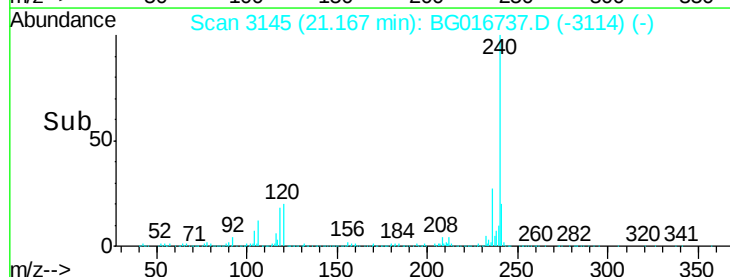
236 26.8 21.1 31.7

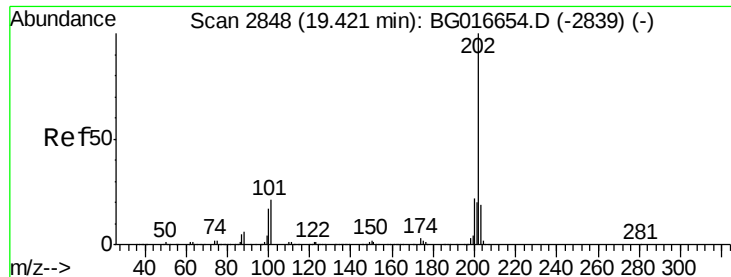


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.95 ng

RT: 19.41 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

Instrument :

BNA_G

ClientSampleId :

1052-CHAMBERLAND-BOTTOMDL2

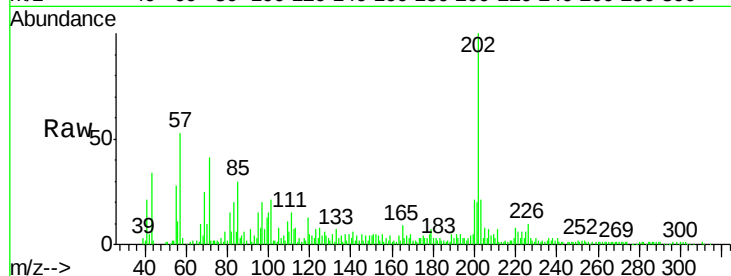
Tot Ion:202 Resp: 71599

Ion Ratio Lower Upper

202 100

200 20.9 18.0 27.0

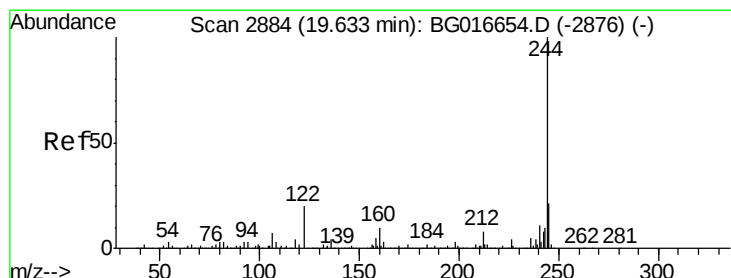
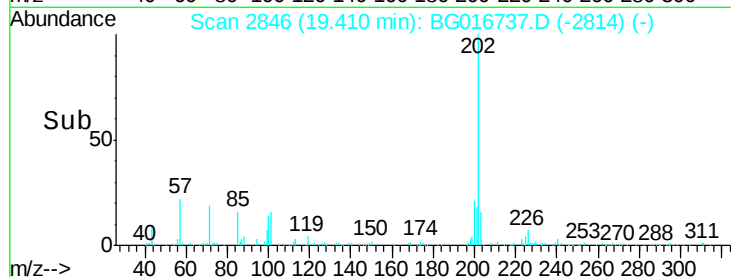
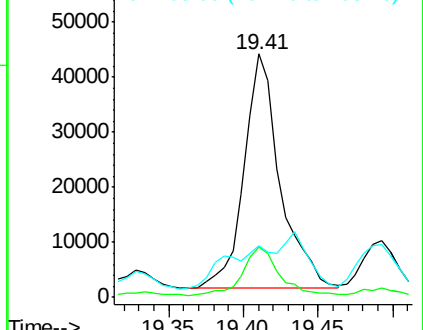
203 21.3 14.9 22.3



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: 3.04 ng

RT: 19.62 min Scan# 2881

Delta R.T. -0.02 min

Lab File: BG016737.D

Acq: 27 Apr 2015 15:28

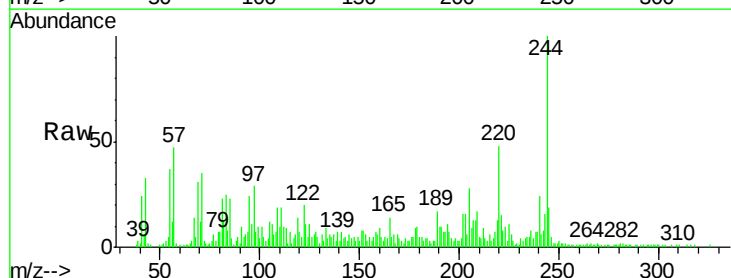
Tgt Ion:244 Resp: 34093

Ion Ratio Lower Upper

244 100

212 8.8 6.4 9.6

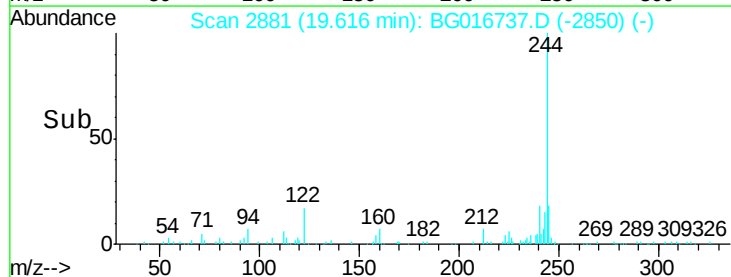
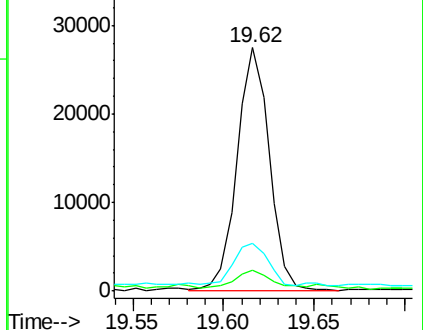
122 19.7 15.9 23.9

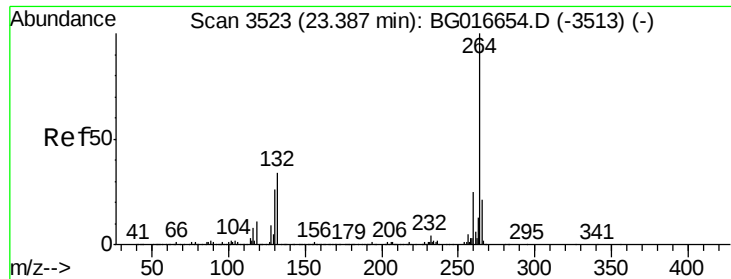


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

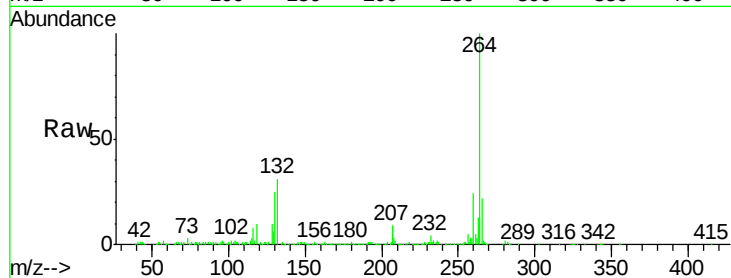




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.02 min
Lab File: BG016737.D
Acq: 27 Apr 2015 15:28

Instrument :
BNA_G
ClientSampleId :
1052-CHAMBERLAND-BOTTOMDL2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.0	30.0
265	21.6	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

