

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042715\
 Data File : BG016754.D
 Acq On : 28 Apr 2015 5:44
 Operator : TP/IZ
 Sample : G1991-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-63D

Quant Time: Apr 28 06:40:42 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

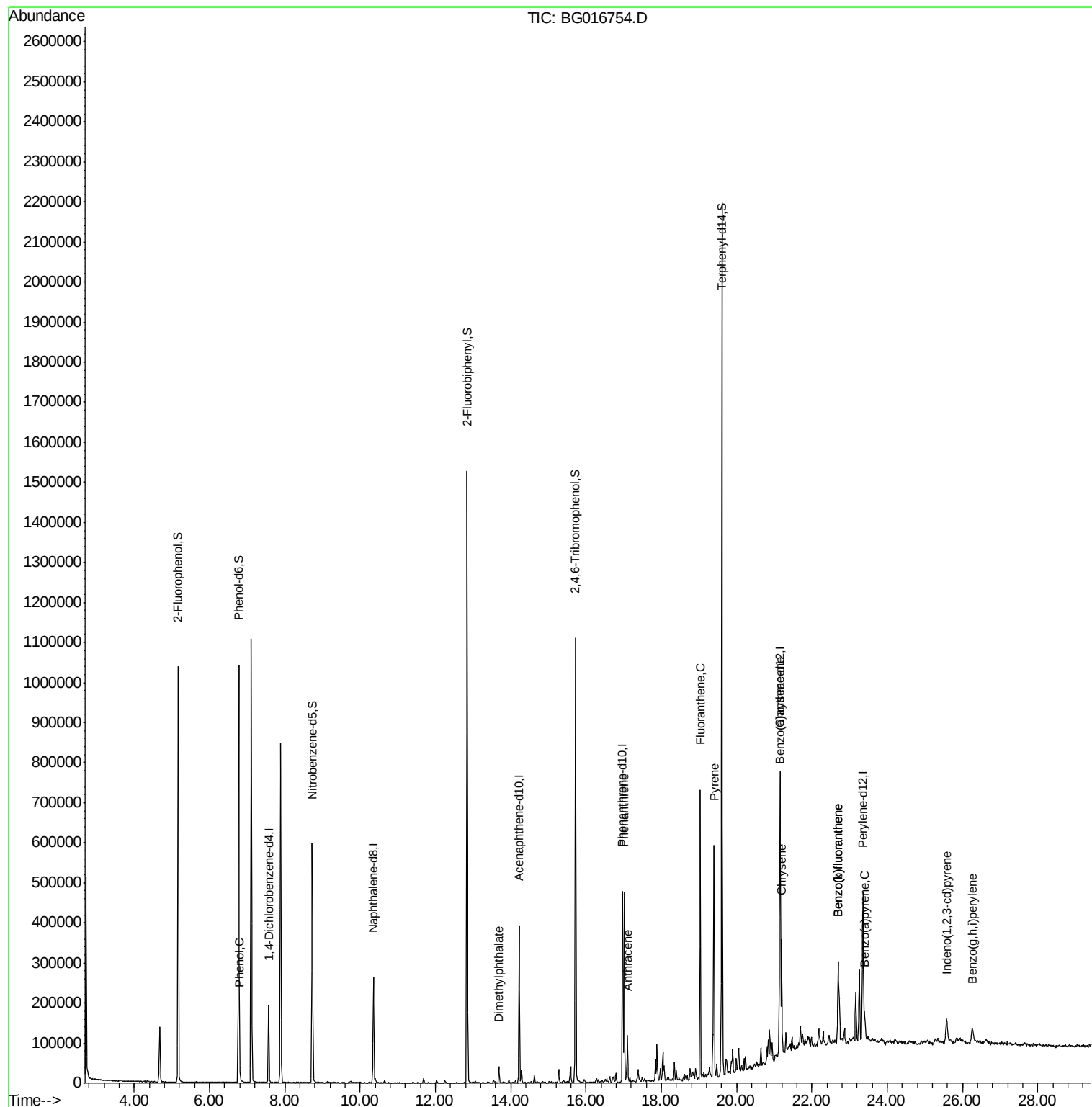
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	56365	20.00	ng	-0.03
21) Naphthalene-d8	10.36	136	235745	20.00	ng	-0.03
38) Acenaphthene-d10	14.22	164	133554	20.00	ng	-0.03
63) Phenanthrene-d10	16.97	188	263709	20.00	ng	-0.03
75) Chrysene-d12	21.16	240	242583	20.00	ng	-0.03
86) Perylene-d12	23.36	264	238101	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	525045	151.16	ng	-0.03
7) Phenol-d6	6.77	99	711757	146.06	ng	-0.03
23) Nitrobenzene-d5	8.73	82	358524	96.10	ng	-0.03
41) 2,4,6-Tribromophenol	15.72	330	163718	165.24	ng	-0.03
44) 2-Fluorobiphenyl	12.84	172	771529	92.81	ng	-0.03
78) Terphenyl-d14	19.61	244	813540	77.25	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.80	94	23467	4.57	ng	97
49) Dimethylphthalate	13.69	163	28098	2.81	ng	98
70) Phenanthrene	17.01	178	282688	18.66	ng	99
71) Anthracene	17.10	178	60845	4.04	ng	99
74) Fluoranthene	19.04	202	366991	22.86	ng	96
77) Pyrene	19.40	202	337067	19.78	ng	97
80) Benzo(a)anthracene	21.15	228	154119	10.48	ng	98
82) Chrysene	21.19	228	133351	9.46	ng	95
85) Indeno(1,2,3-cd)pyrene	25.58	276	55671	3.62	ng	# 87
87) Benzo(b)fluoranthene	22.70	252	208664	14.43	ng	97
88) Benzo(k)fluoranthene	22.70	252	208664	14.78	ng	97
89) Benzo(a)pyrene	23.40	252	34623	2.54	ng	94
91) Benzo(g,h,i)perylene	26.26	276	55661	4.13	ng	98

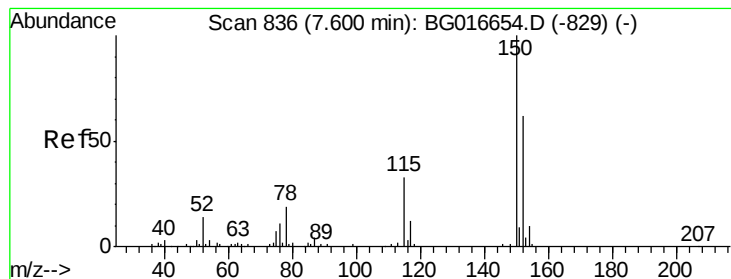
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 831

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

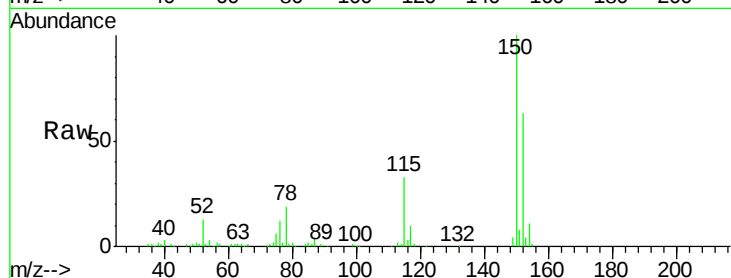
Tgt Ion:152 Resp: 56365

Ion Ratio Lower Upper

152 100

150 159.0 129.6 194.4

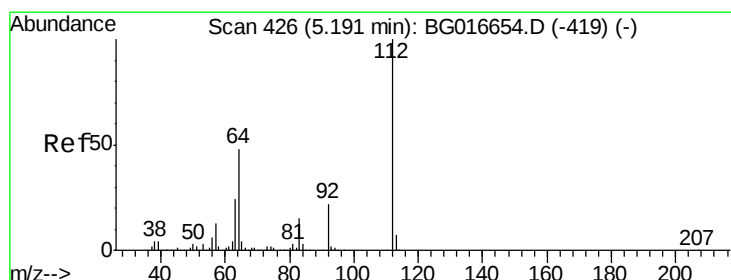
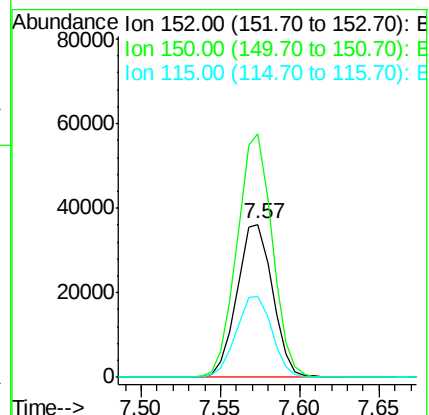
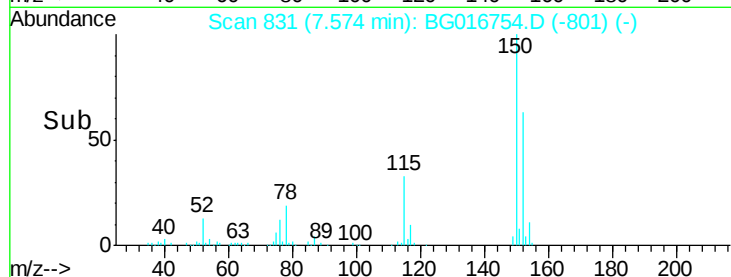
115 53.2 43.0 64.6



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: 151.16 ng

RT: 5.16 min Scan# 421

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

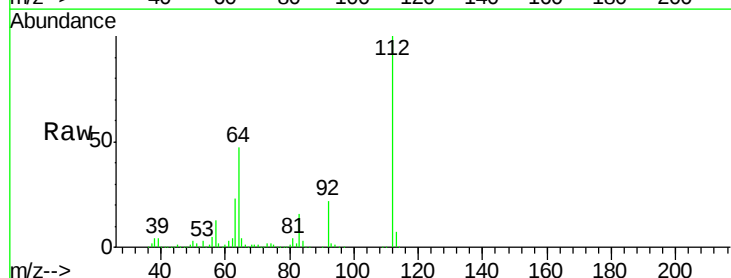
Tgt Ion:112 Resp: 525045

Ion Ratio Lower Upper

112 100

64 47.1 38.3 57.5

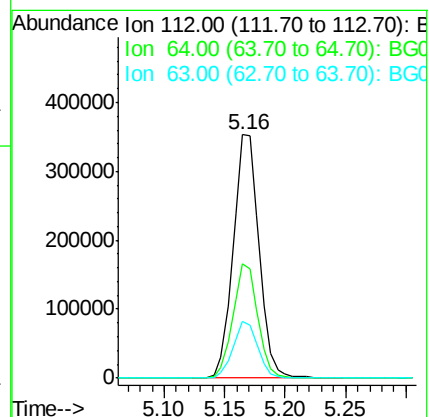
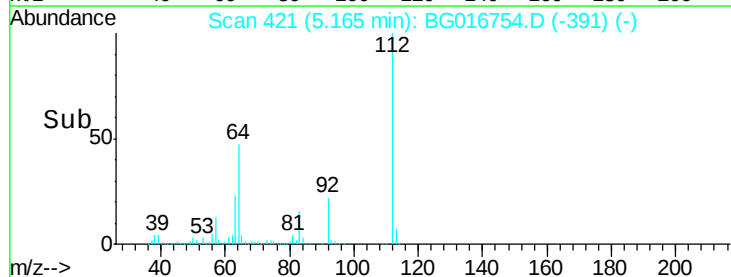
63 23.2 18.9 28.3

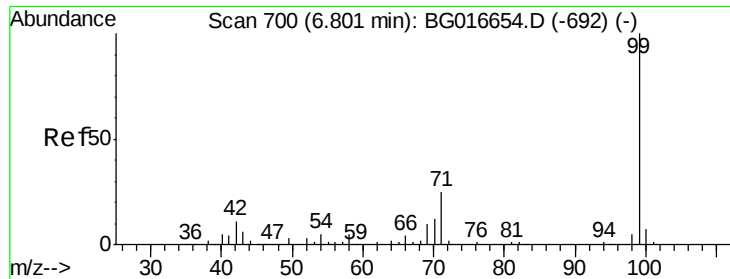


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 146.06 ng

RT: 6.77 min Scan# 695

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

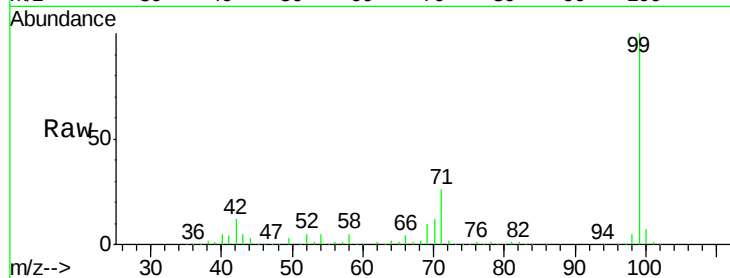
Tgt Ion: 99 Resp: 711757

Ion Ratio Lower Upper

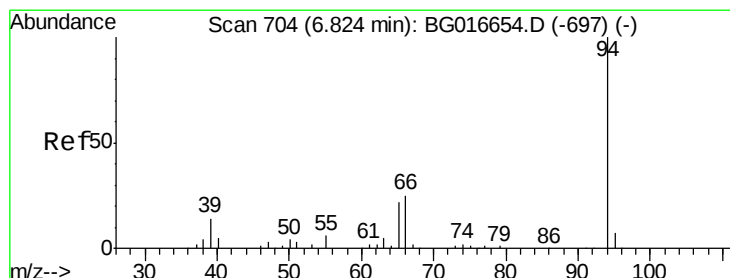
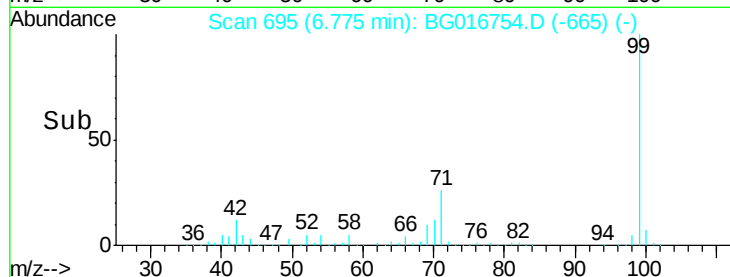
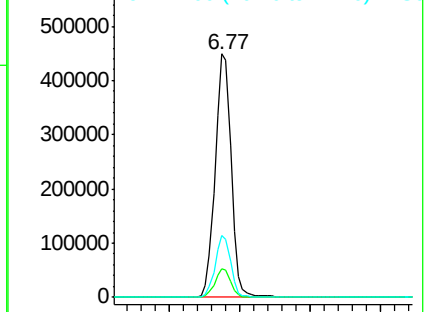
99 100

42 11.7 8.8 13.2

71 25.5 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



#10

Phenol

Concen: 4.57 ng

RT: 6.80 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

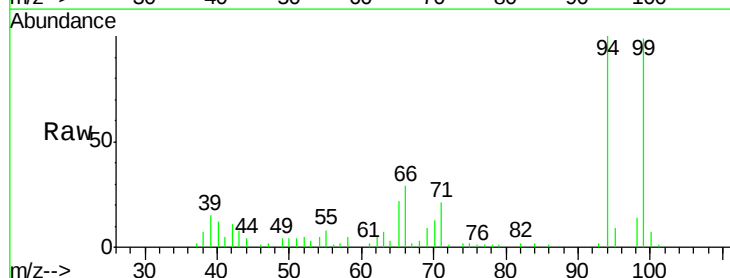
Tgt Ion: 94 Resp: 23467

Ion Ratio Lower Upper

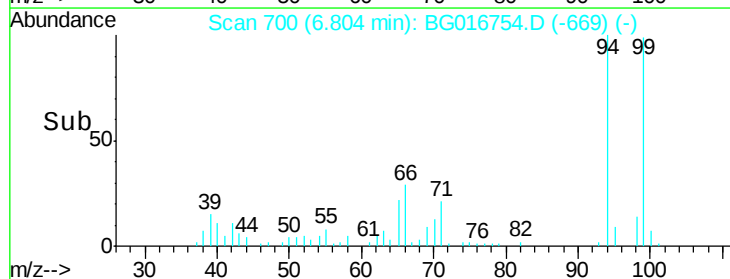
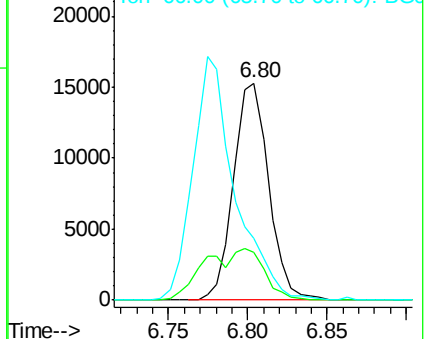
94 100

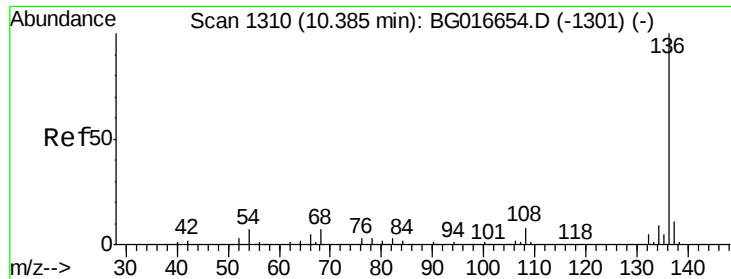
65 21.8 2.6 42.6

66 28.7 7.0 47.0



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

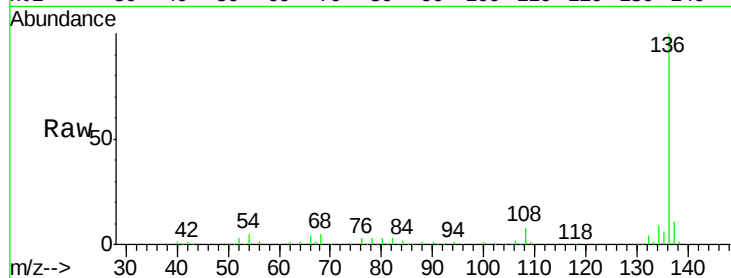




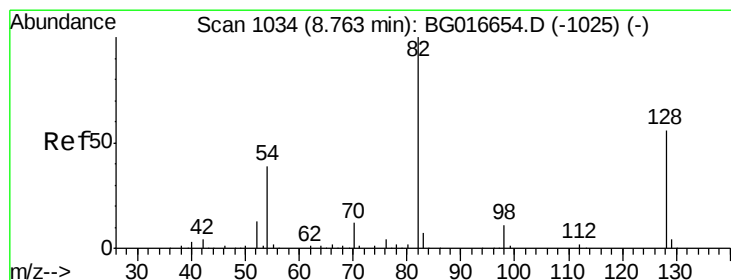
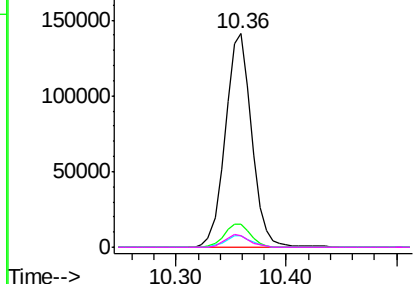
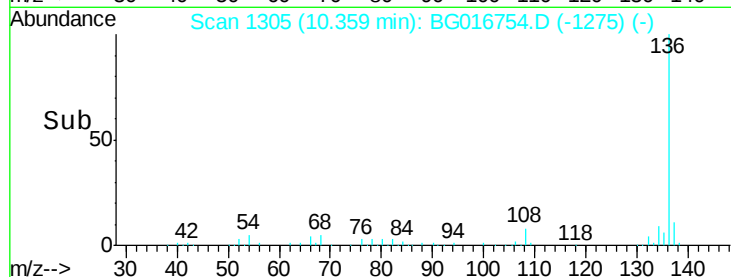
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.36 min Scan# 1305
Delta R.T. -0.03 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

Instrument :
BNA_G
ClientSampleId :
SB-63D

Tgt Ion:	136	Resp:	235745
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	5.2	5.4	8.2#
68	5.2	5.2	7.8

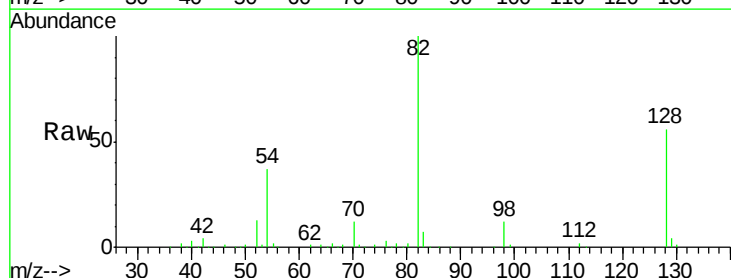


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

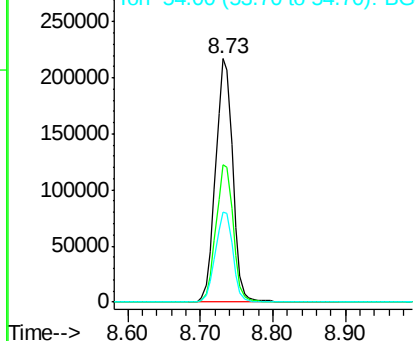
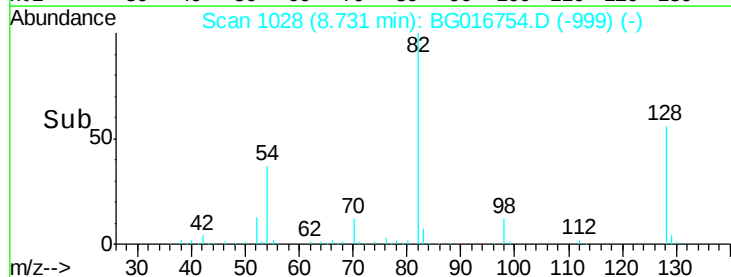


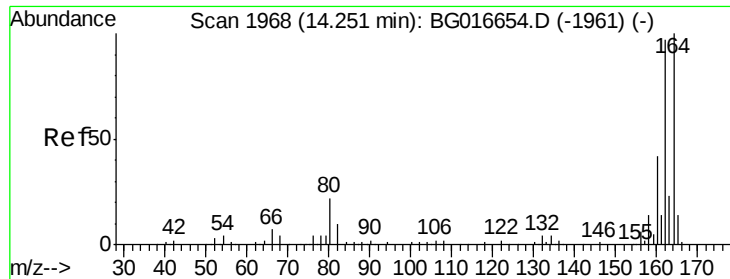
#23
Nitrobenzene-d5
Concen: 96.10 ng
RT: 8.73 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

Tgt Ion:	82	Resp:	358524
Ion	Ratio	Lower	Upper
82	100		
128	56.5	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): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.22 min Scan# 1963

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

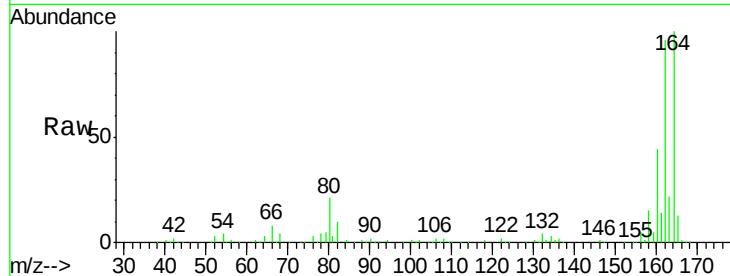
Tgt Ion:164 Resp: 133554

Ion Ratio Lower Upper

164 100

162 95.6 77.3 115.9

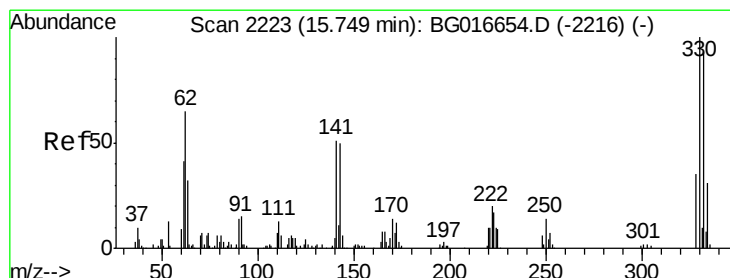
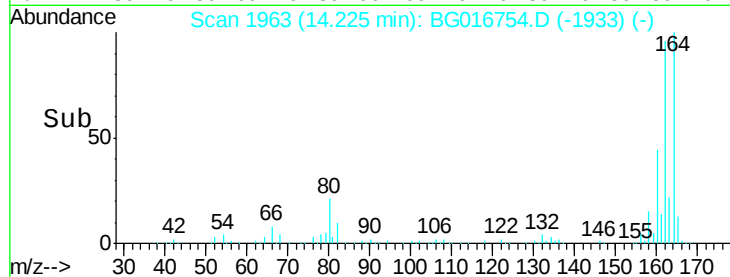
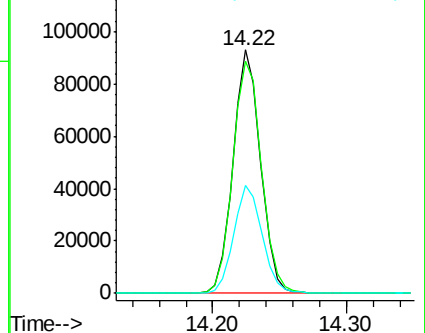
160 44.2 33.7 50.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 165.24 ng

RT: 15.72 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

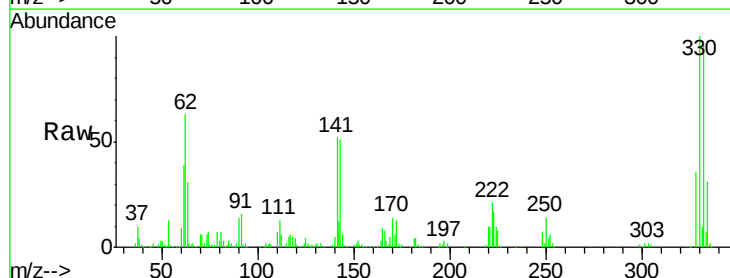
Tgt Ion:330 Resp: 163718

Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

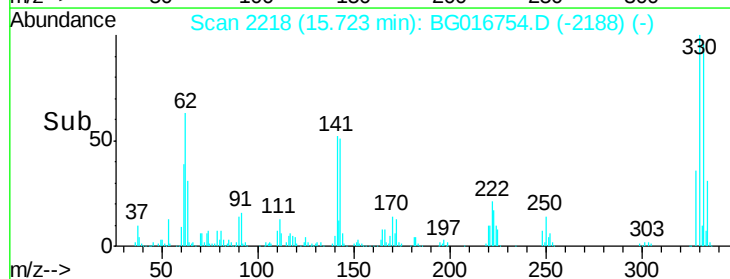
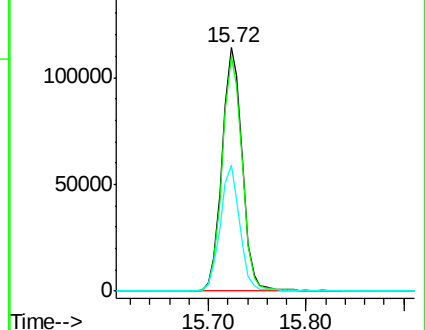
141 49.7 43.0 64.6

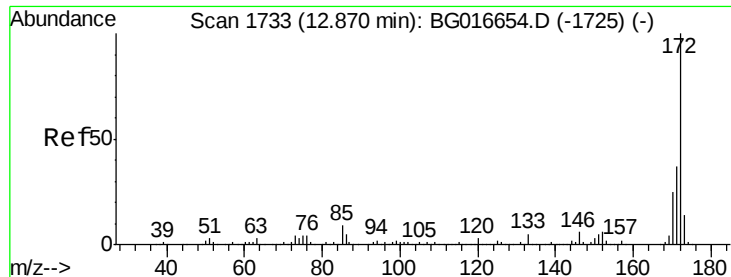


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

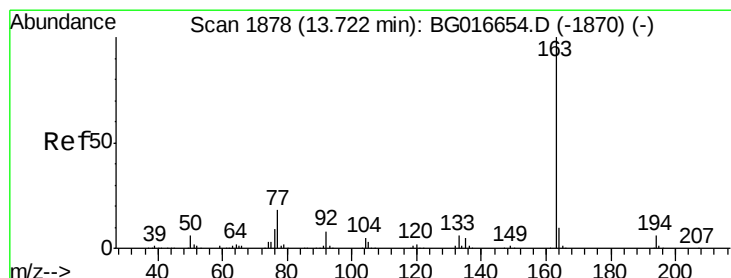
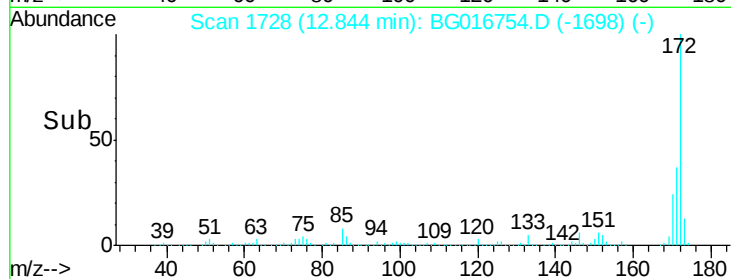
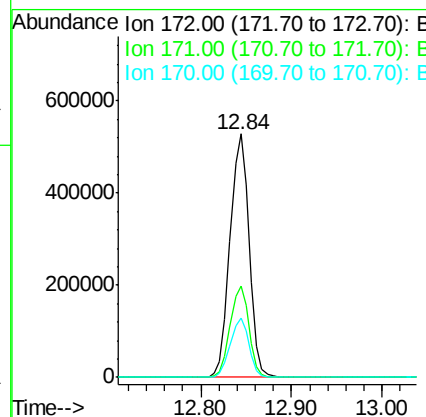
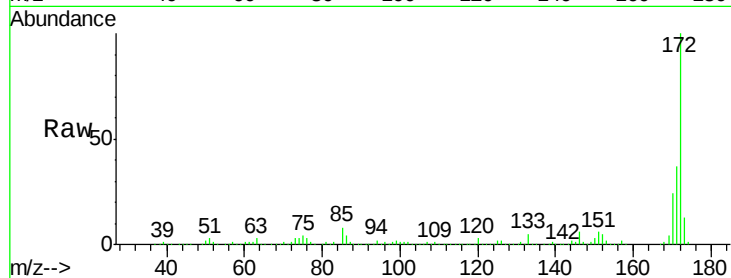




#44
 2-Fluorobiphenyl
 Concen: 92.81 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.03 min
 Lab File: BG016754.D
 Acq: 28 Apr 2015 5:44

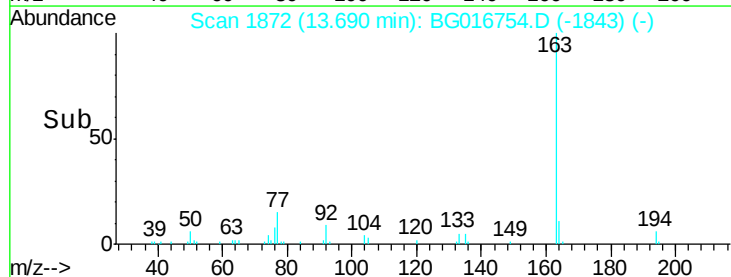
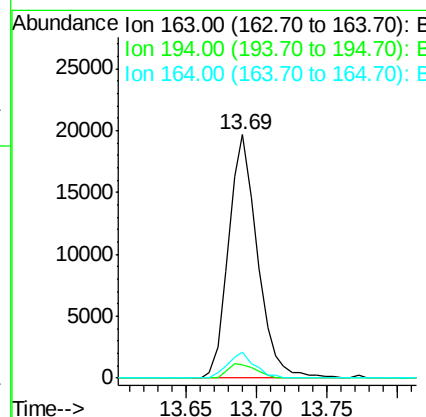
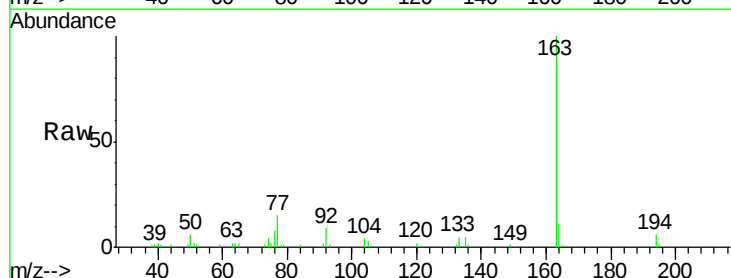
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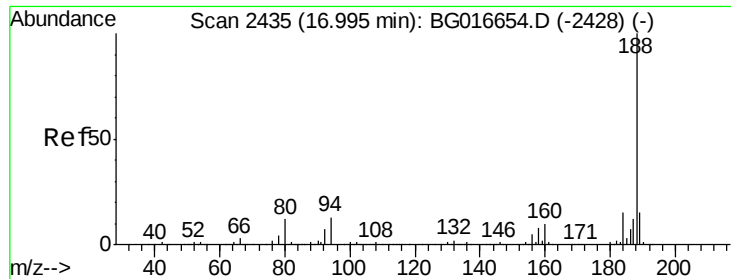
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	24.3	19.8	29.8



#49
 Dimethylphthalate
 Concen: 2.81 ng
 RT: 13.69 min Scan# 1872
 Delta R.T. -0.03 min
 Lab File: BG016754.D
 Acq: 28 Apr 2015 5:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.6	5.0	7.4
164	10.6	7.8	11.8

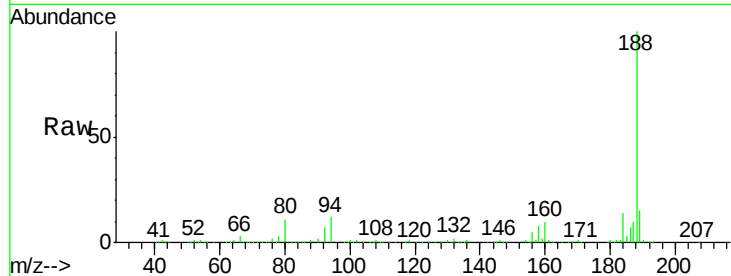




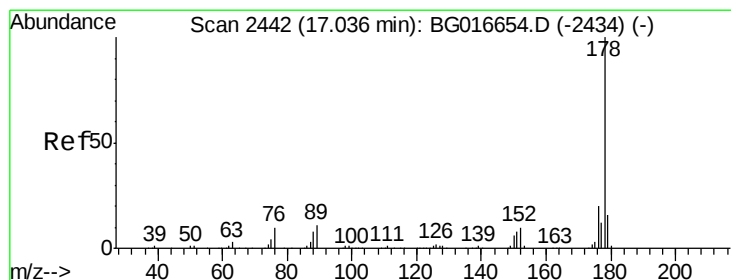
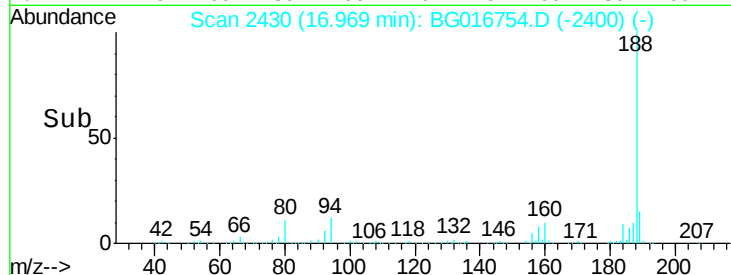
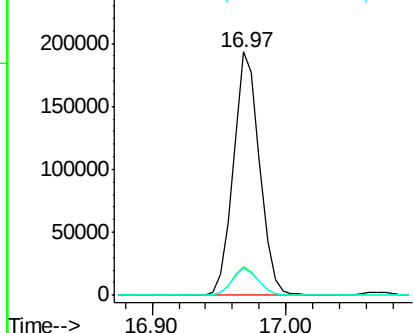
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.03 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

Instrument :
BNA_G
ClientSampleId :
SB-63D

Tgt Ion:188 Resp: 263709
Ion Ratio Lower Upper
188 100
94 11.9 10.7 16.1
80 11.2 9.9 14.9

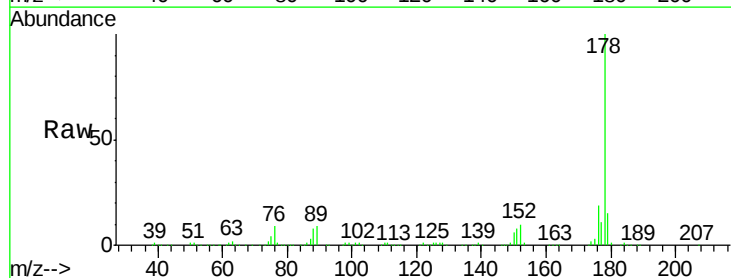


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

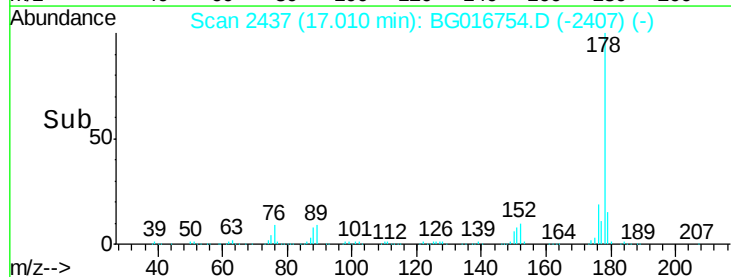
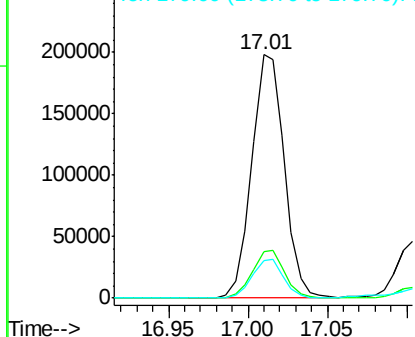


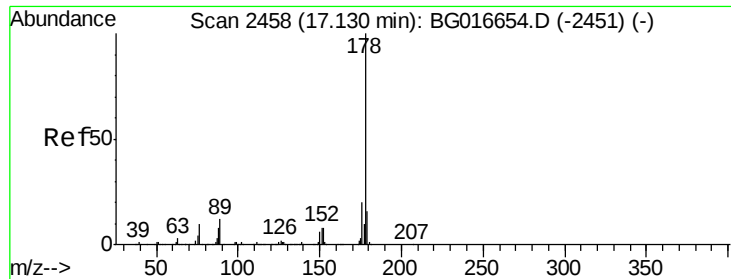
#70
Phenanthrene
Concen: 18.66 ng
RT: 17.01 min Scan# 2437
Delta R.T. -0.03 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

Tgt Ion:178 Resp: 282688
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.4 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

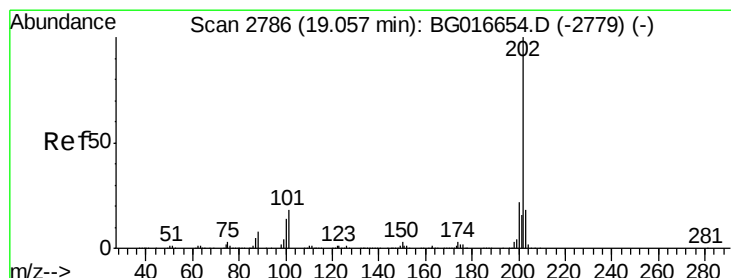
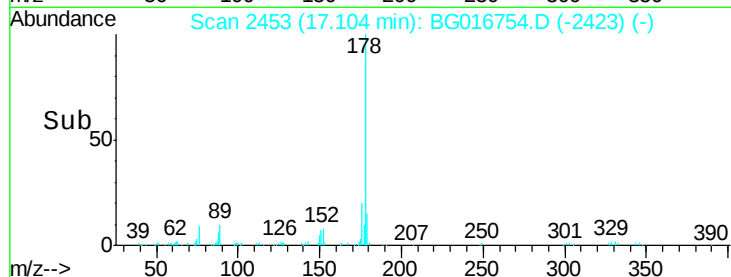
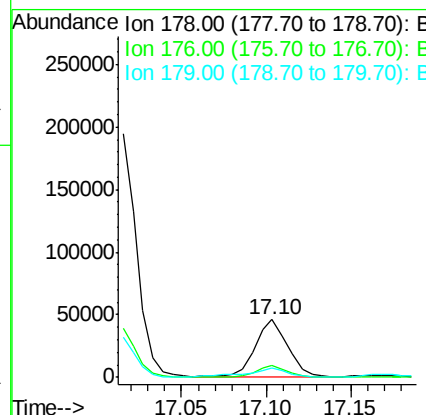
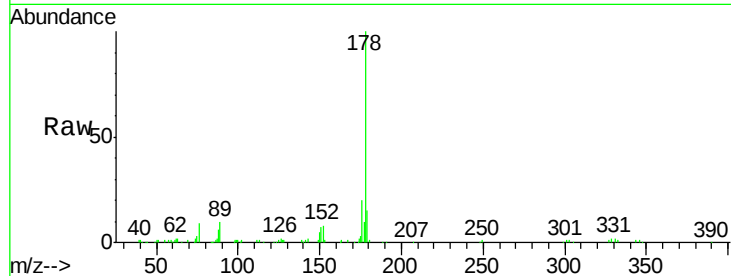




#71
 Anthracene
 Concen: 4.04 ng
 RT: 17.10 min Scan# 2453
 Delta R.T. -0.03 min
 Lab File: BG016754.D
 Acq: 28 Apr 2015 5:44

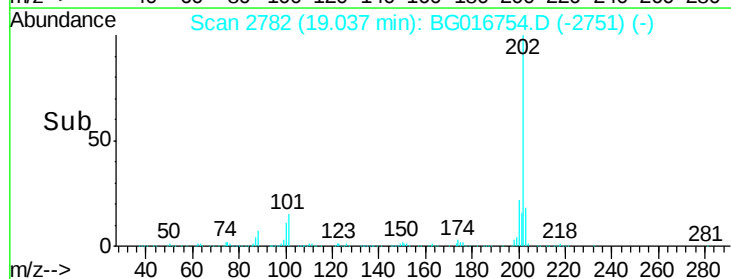
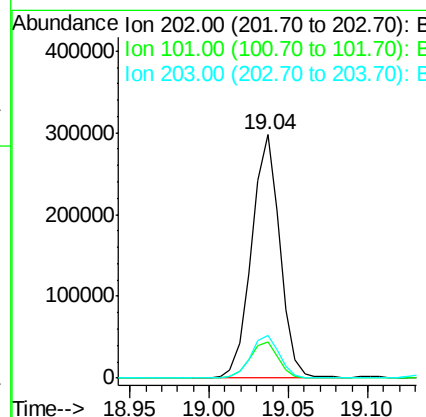
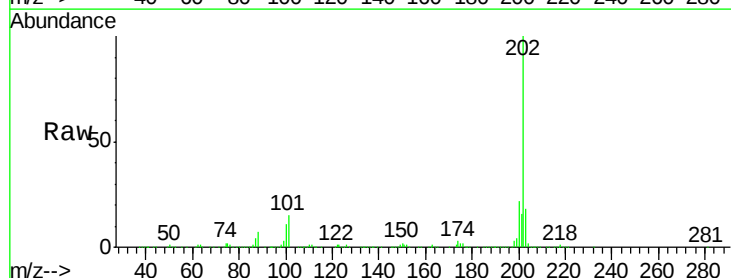
Instrument :
 BNA_G
 ClientSampleId :
 SB-63D

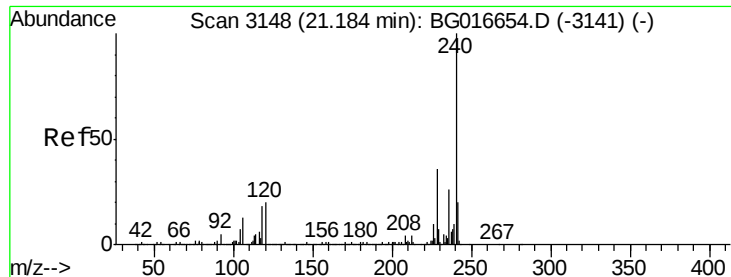
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.5	12.9	19.3



#74
 Fluoranthene
 Concen: 22.86 ng
 RT: 19.04 min Scan# 2782
 Delta R.T. -0.02 min
 Lab File: BG016754.D
 Acq: 28 Apr 2015 5:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	0.0	38.1
203	17.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

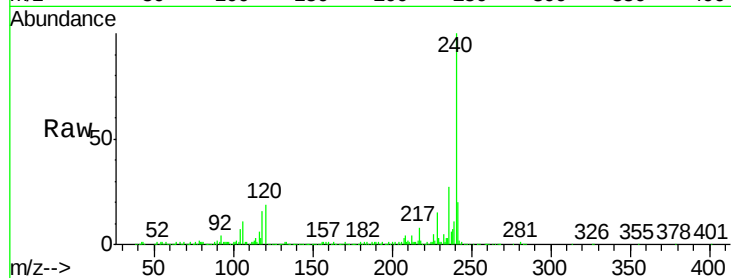
Tgt Ion:240 Resp: 242583

Ion Ratio Lower Upper

240 100

120 18.9 16.3 24.5

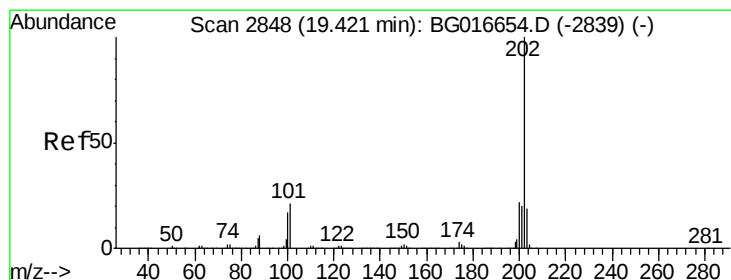
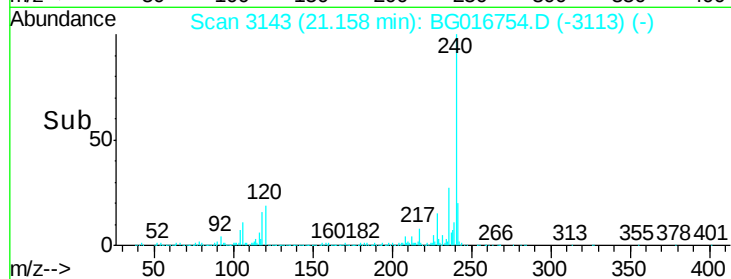
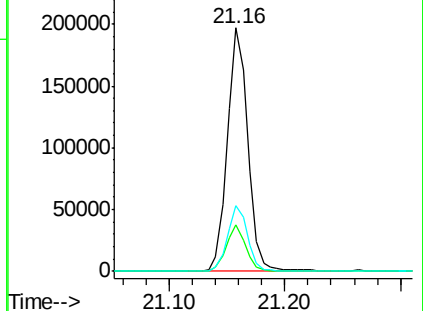
236 27.2 21.1 31.7



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

Pyrene

Concen: 19.78 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

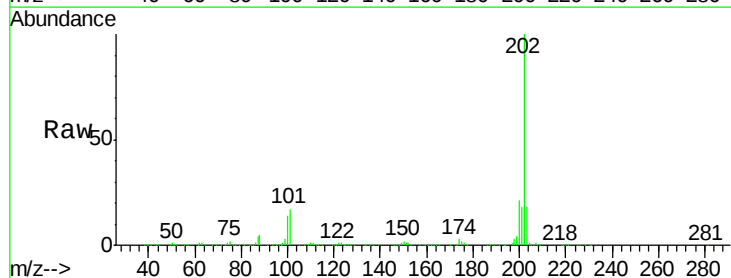
Tgt Ion:202 Resp: 337067

Ion Ratio Lower Upper

202 100

200 20.6 18.0 27.0

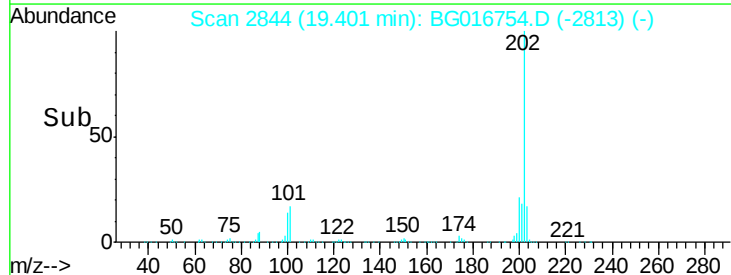
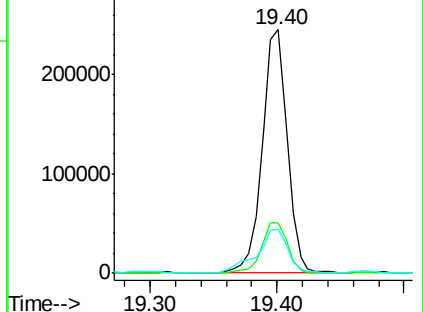
203 17.8 14.9 22.3

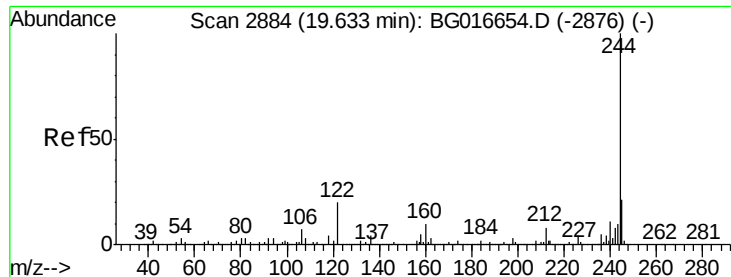


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.25 ng

RT: 19.61 min Scan# 2879

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

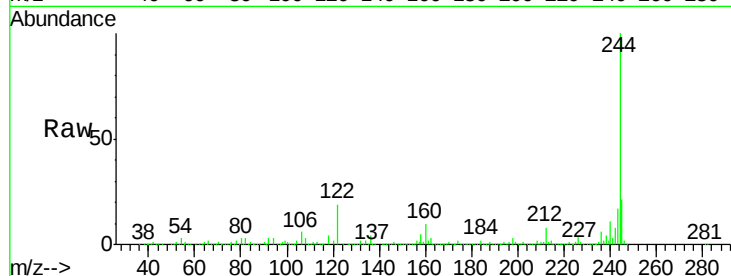
Tgt Ion:244 Resp: 813540

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

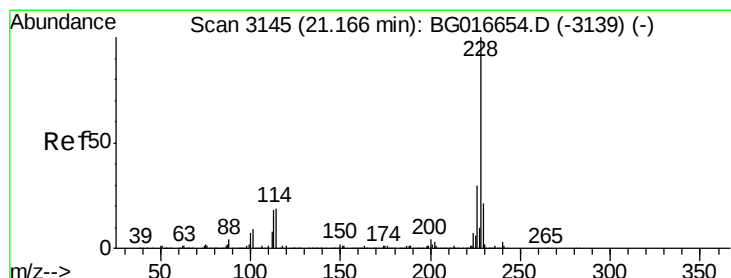
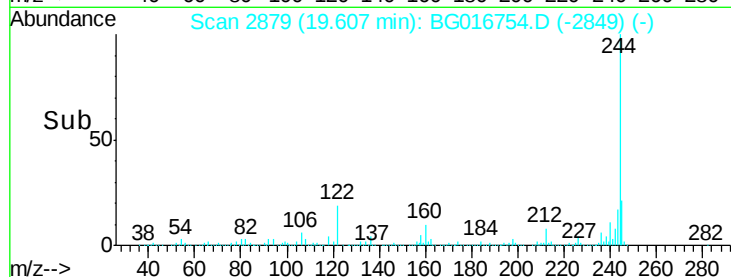
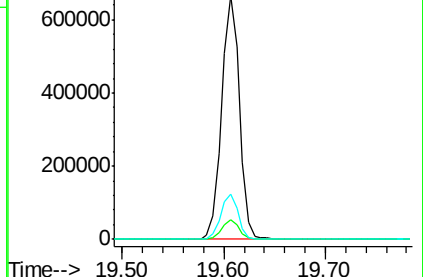
122 18.5 15.9 23.9



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



#80

Benzo(a)anthracene

Concen: 10.48 ng

RT: 21.15 min Scan# 3141

Delta R.T. -0.02 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

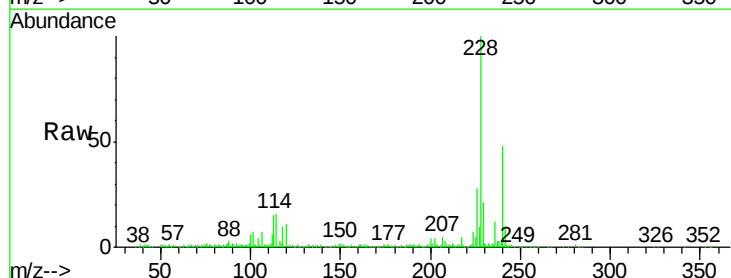
Tgt Ion:228 Resp: 154119

Ion Ratio Lower Upper

228 100

226 28.4 23.8 35.6

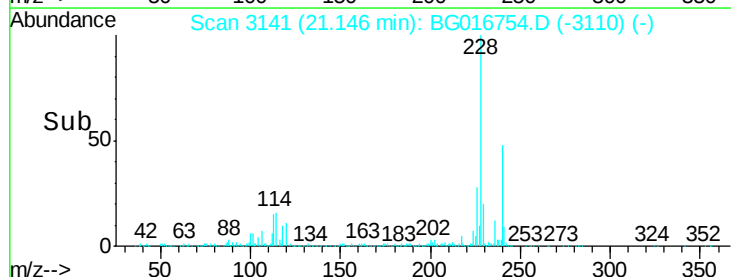
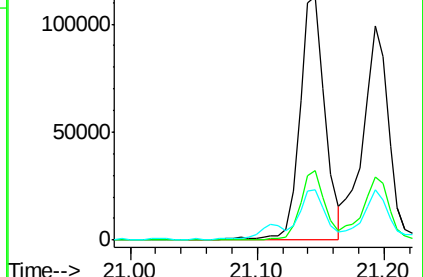
229 20.7 17.0 25.4

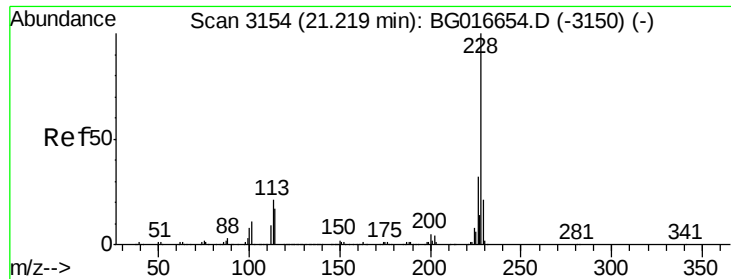


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.46 ng

RT: 21.19 min Scan# 3149

Delta R.T. -0.03 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

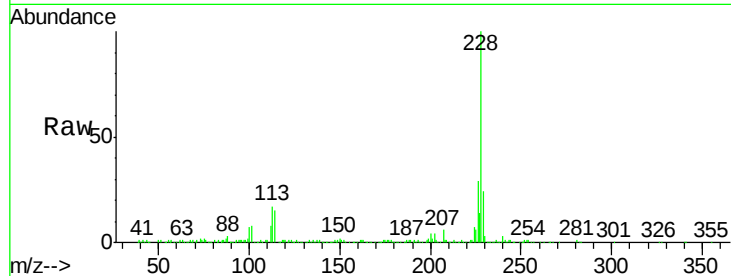
Tgt Ion: 228 Resp: 133351

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

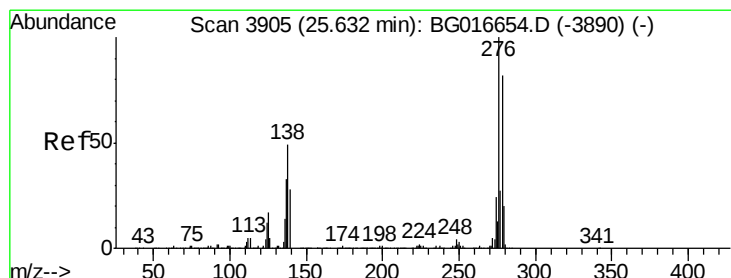
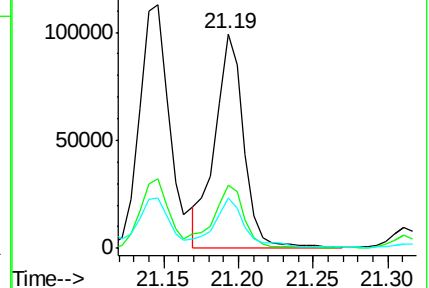
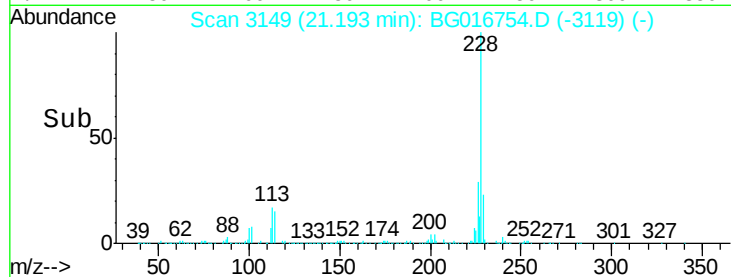
229 23.6 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.62 ng

RT: 25.58 min Scan# 3895

Delta R.T. -0.06 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

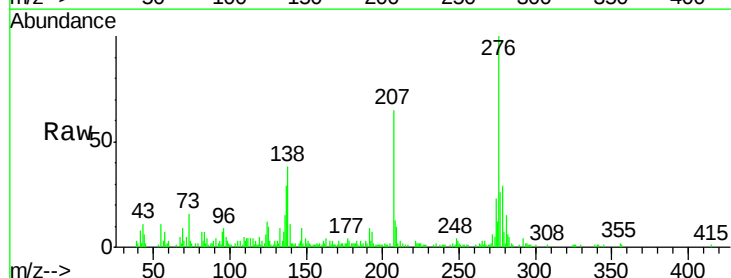
Tgt Ion: 276 Resp: 55671

Ion Ratio Lower Upper

276 100

138 37.0 38.2 57.2#

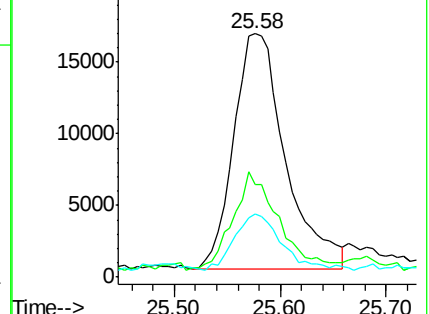
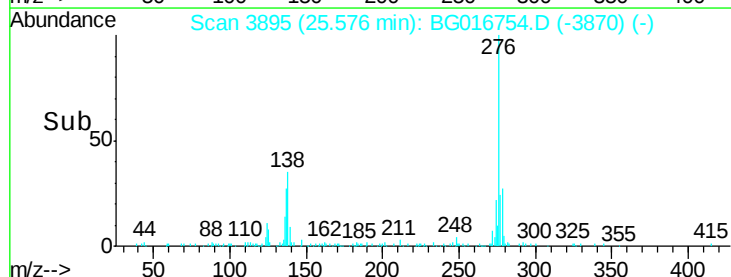
277 22.5 21.4 32.2

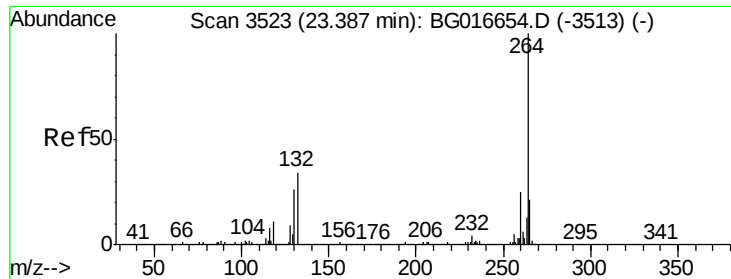


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

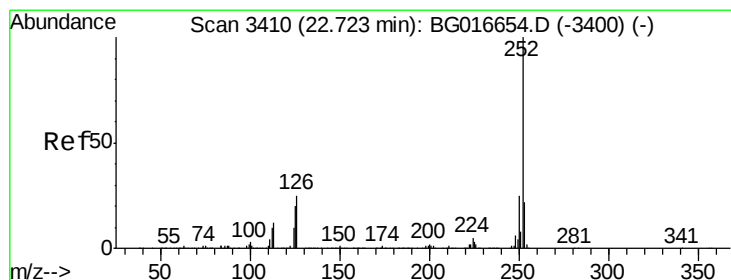
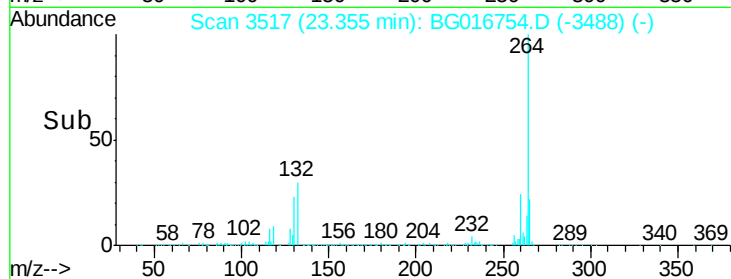
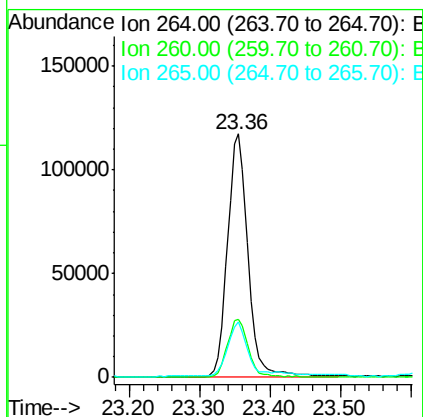
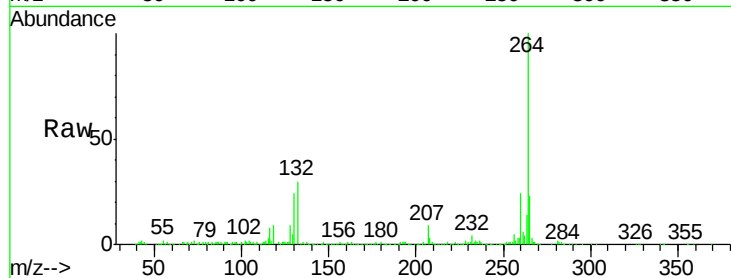




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3517
Delta R.T. -0.03 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

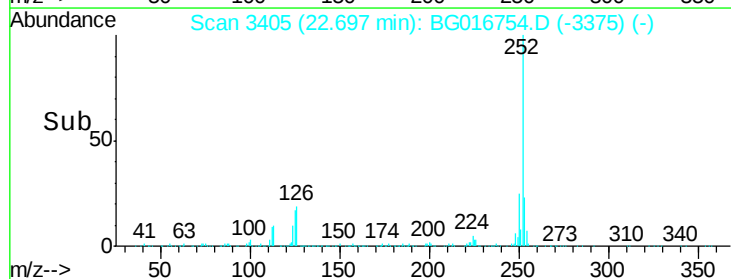
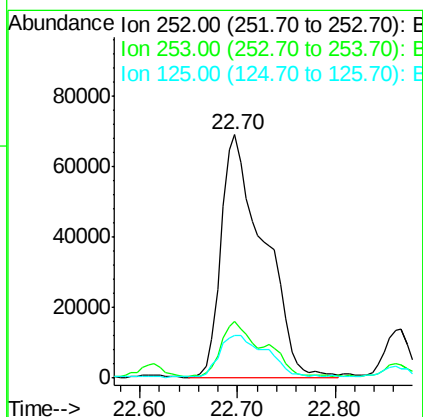
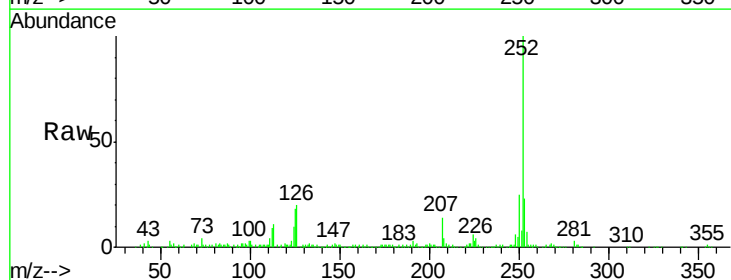
Instrument :
BNA_G
ClientSampleId :
SB-63D

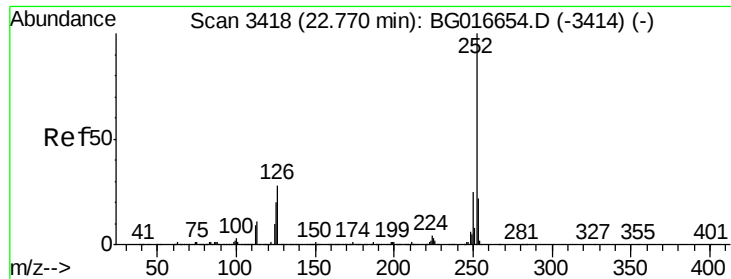
Tgt Ion: 264 Resp: 238101
Ion Ratio Lower Upper
264 100
260 23.7 20.0 30.0
265 22.8 16.8 25.2



#87
Benzo(b)fluoranthene
Concen: 14.43 ng
RT: 22.70 min Scan# 3405
Delta R.T. -0.03 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

Tgt Ion: 252 Resp: 208664
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 17.7 15.8 23.8

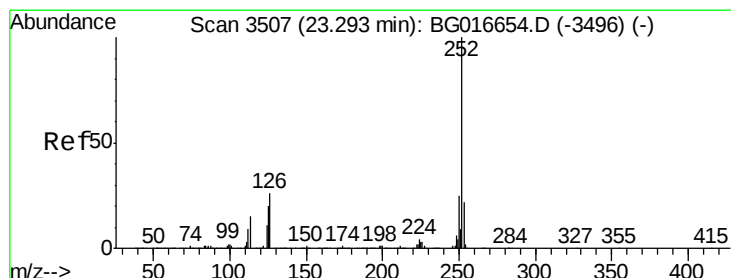
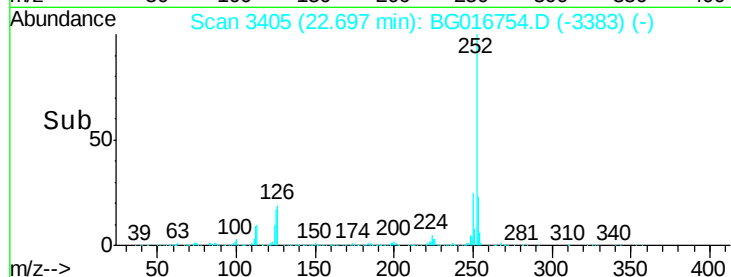
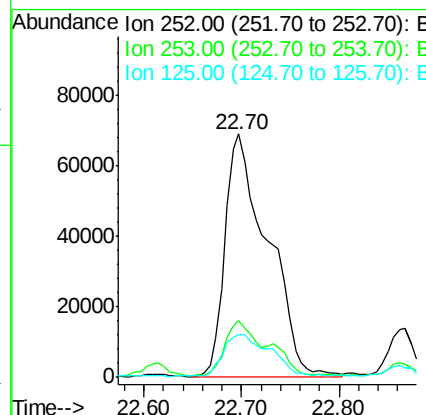
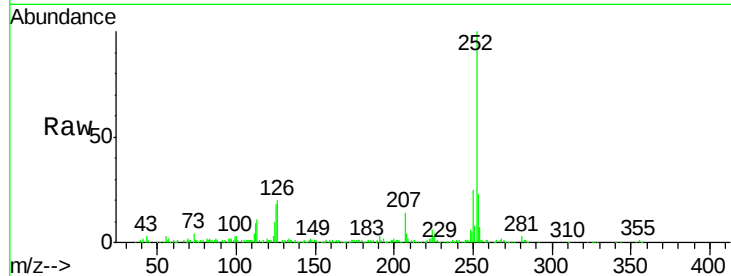




#88
Benzo(k)fluoranthene
Concen: 14.78 ng
RT: 22.70 min Scan# 3405
Delta R.T. -0.07 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

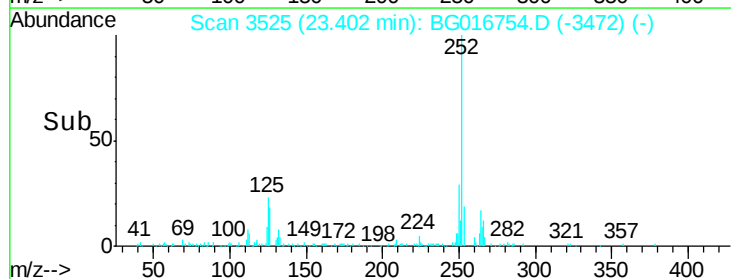
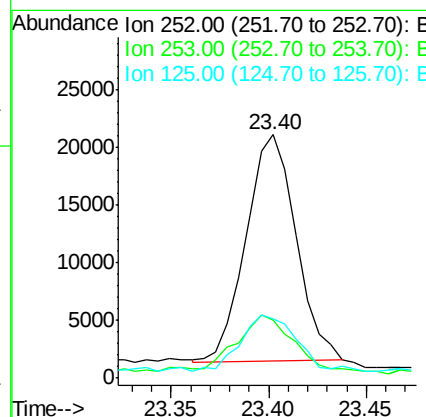
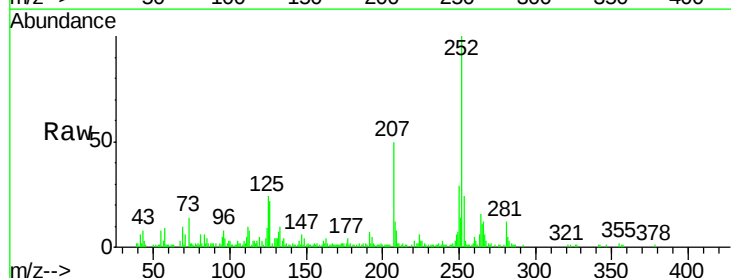
Instrument :
BNA_G
ClientSampleId :
SB-63D

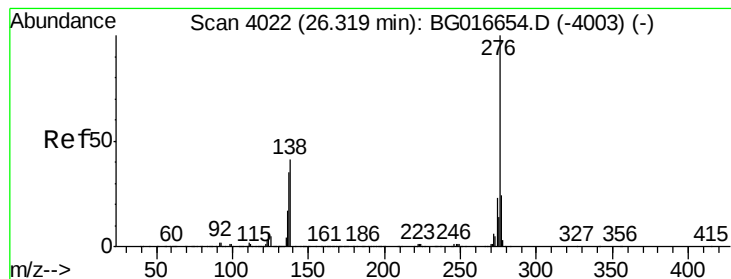
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	17.7	15.5	23.3



#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 23.40 min Scan# 3525
Delta R.T. 0.11 min
Lab File: BG016754.D
Acq: 28 Apr 2015 5:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	24.3	16.3	24.5





#91

Benzo(g,h,i)perylene

Concen: 4.13 ng

RT: 26.26 min Scan# 4012

Delta R.T. -0.06 min

Lab File: BG016754.D

Acq: 28 Apr 2015 5:44

Instrument :

BNA_G

ClientSampleId :

SB-63D

Tgt Ion: 276 Resp: 55661

Ion Ratio Lower Upper

276 100

277 25.4 19.3 28.9

138 39.7 32.8 49.2

