

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
 Data File : BG016766.D
 Acq On : 28 Apr 2015 16:05
 Operator : TP/IZ
 Sample : G2024-08 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-COMP

Quant Time: Apr 29 01:12:57 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 00:55:31 2015
 Response via : Initial Calibration

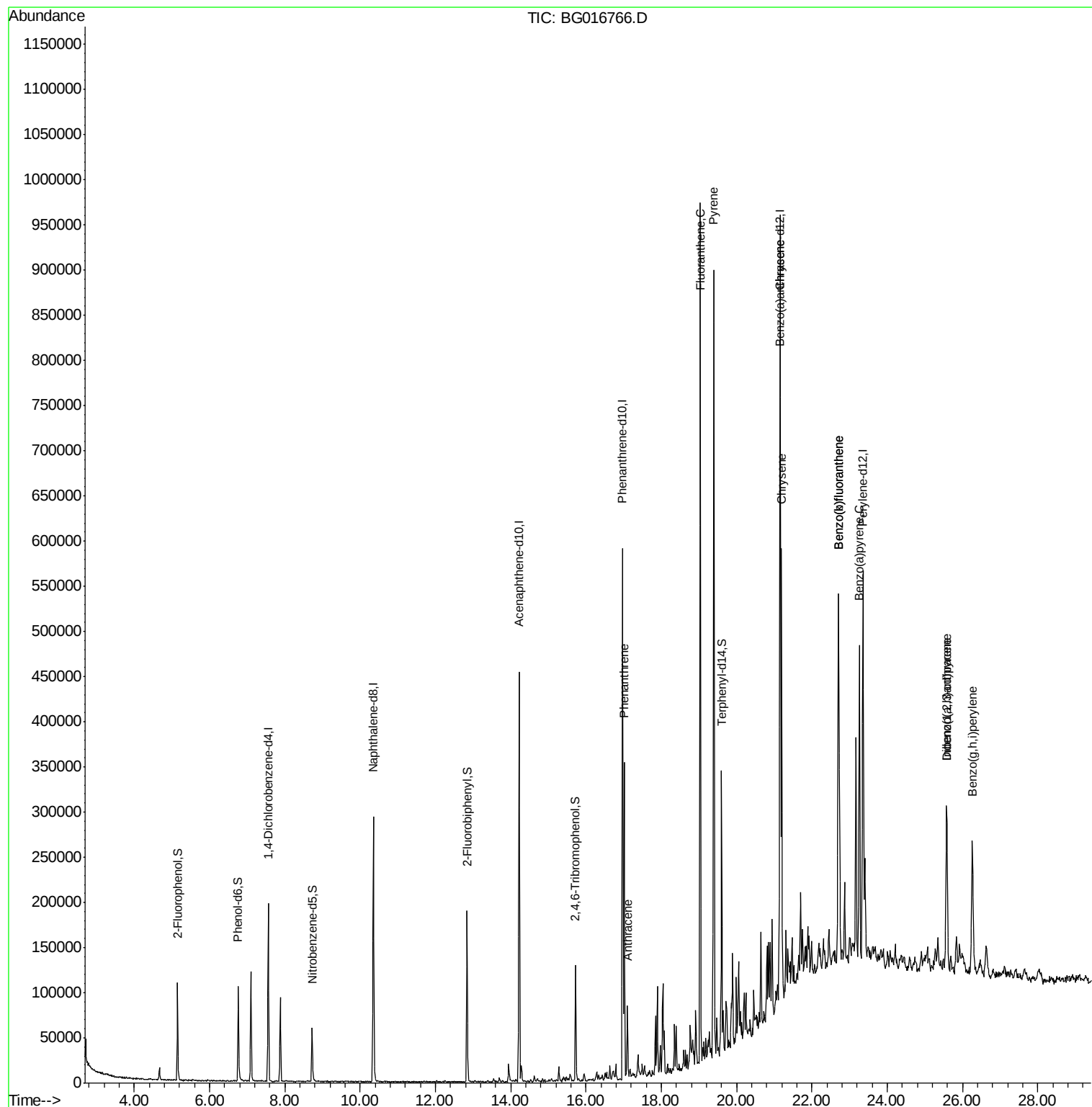
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	55806	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	258292	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	157657	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	322222	20.00	ng	0.00
75) Chrysene-d12	21.16	240	264417	20.00	ng	0.00
86) Perylene-d12	23.36	264	255630	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	58334	16.96	ng	0.00
7) Phenol-d6	6.76	99	82530	17.11	ng	-0.01
23) Nitrobenzene-d5	8.72	82	40072	9.80	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	20039	17.13	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	107922	11.00	ng	0.00
78) Terphenyl-d14	19.60	244	121782	10.61	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.01	178	200107	10.81	ng	100
71) Anthracene	17.10	178	51610	2.80	ng	97
74) Fluoranthene	19.04	202	518484	26.43	ng	95
77) Pyrene	19.40	202	475230	25.58	ng	99
80) Benzo(a)anthracene	21.14	228	242739	15.14	ng	98
82) Chrysene	21.19	228	229923	14.96	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	139666	8.34	ng	# 90
87) Benzo(b)fluoranthene	22.70	252	399324	25.72	ng	99
88) Benzo(k)fluoranthene	22.70	252	399324	26.35	ng	99
89) Benzo(a)pyrene	23.26	252	202634	13.85	ng	95
90) Dibenzo(a,h)anthracene	25.58	278	38421	2.70	ng	# 68
91) Benzo(g,h,i)perylene	26.26	276	137471	9.50	ng	99

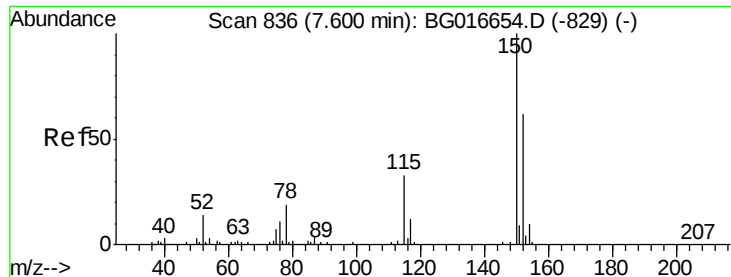
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042815\
Data File : BG016766.D
Acq On : 28 Apr 2015 16:05
Operator : TP/IZ
Sample : G2024-08 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-06-COMP

Quant Time: Apr 29 01:12:57 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 29 00:55:31 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 829

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

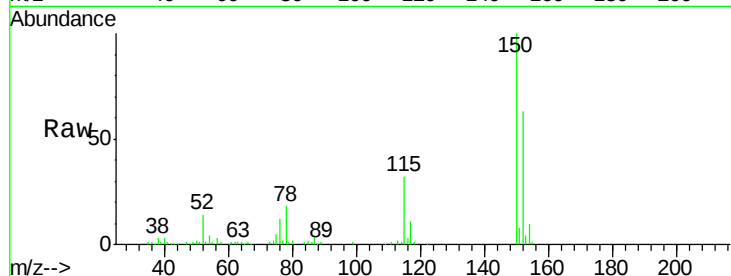
Tgt Ion:152 Resp: 55806

Ion Ratio Lower Upper

152 100

150 159.0 129.6 194.4

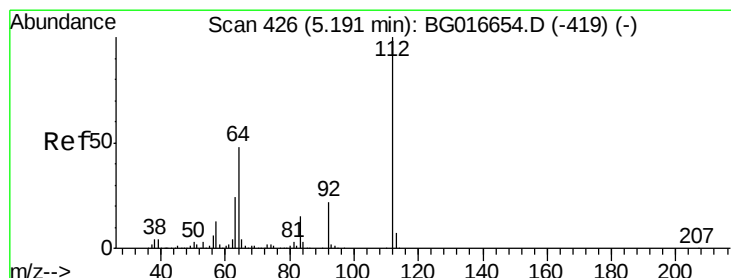
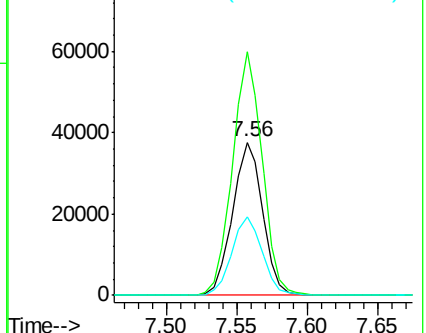
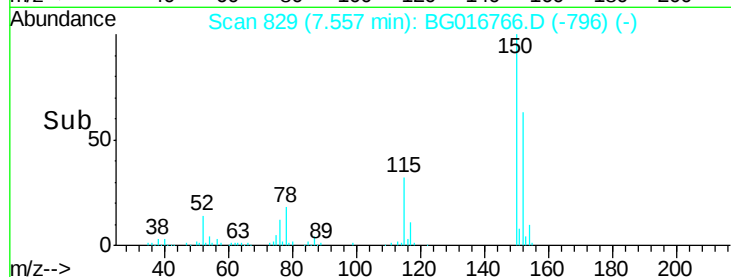
115 51.7 43.0 64.6



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: 16.96 ng

RT: 5.15 min Scan# 419

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

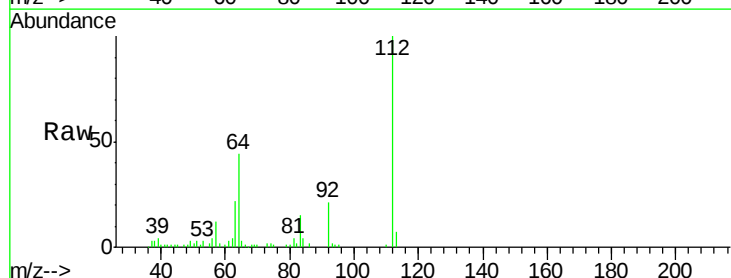
Tgt Ion:112 Resp: 58334

Ion Ratio Lower Upper

112 100

64 44.0 38.3 57.5

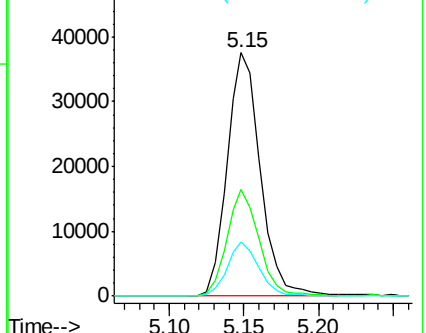
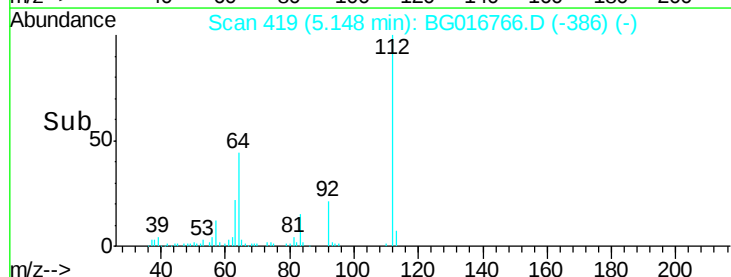
63 22.5 18.9 28.3

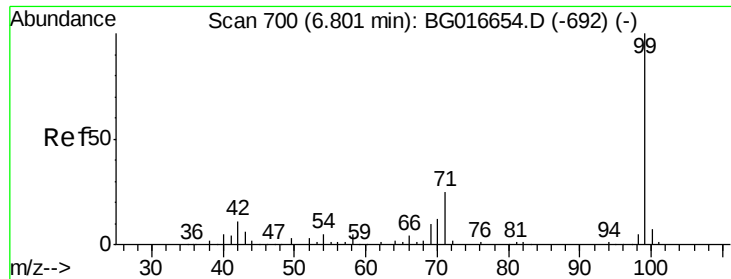


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 17.11 ng

RT: 6.76 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

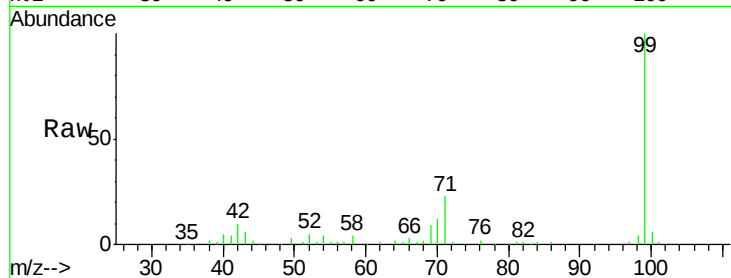
Tgt Ion: 99 Resp: 82530

Ion Ratio Lower Upper

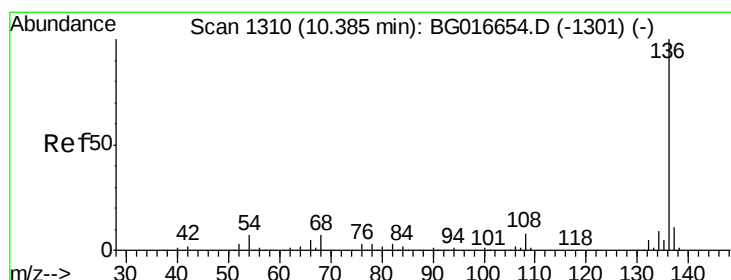
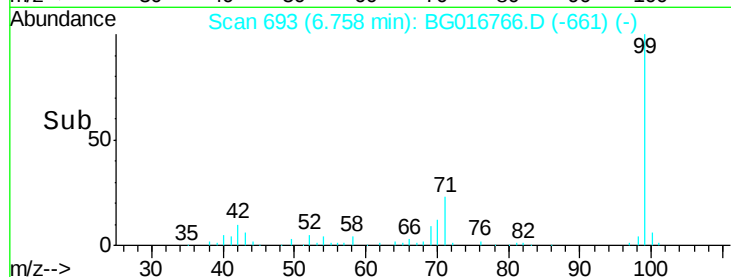
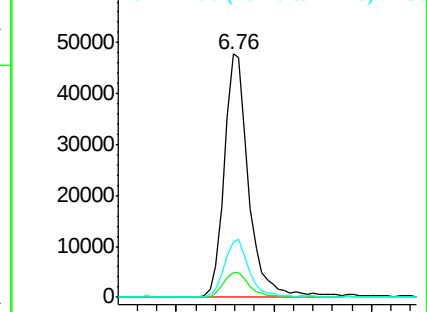
99 100

42 10.3 8.8 13.2

71 22.9 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.35 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Tgt Ion: 136 Resp: 258292

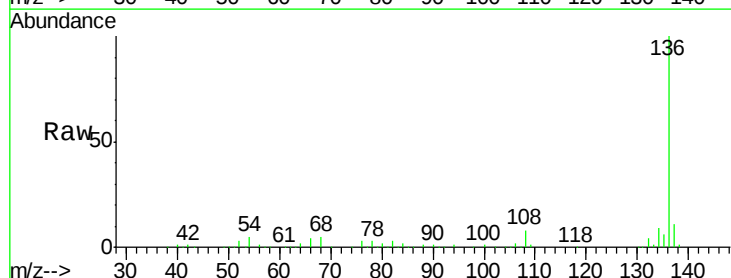
Ion Ratio Lower Upper

136 100

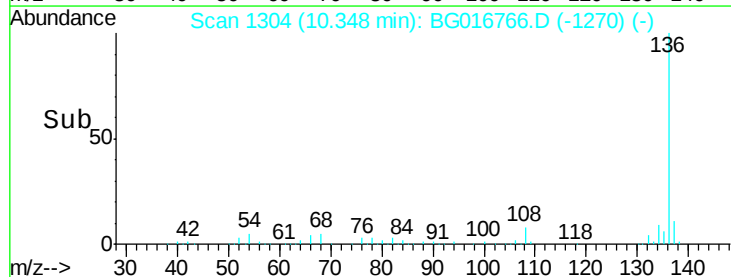
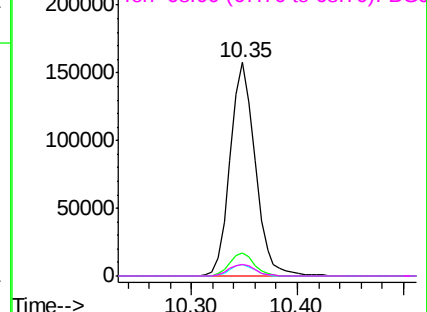
137 10.5 8.5 12.7

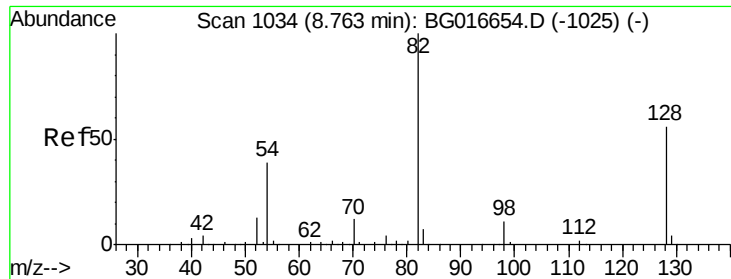
54 5.4 5.4 8.2#

68 5.4 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

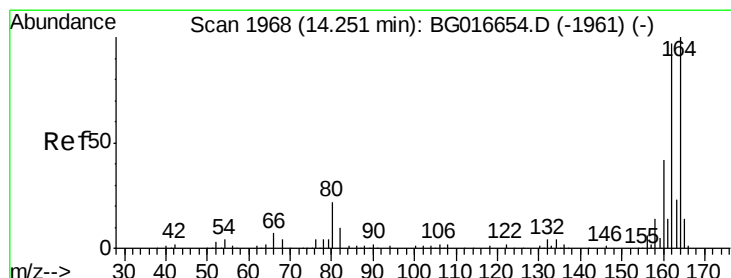
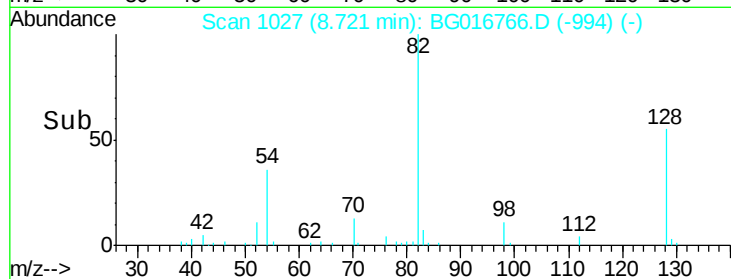
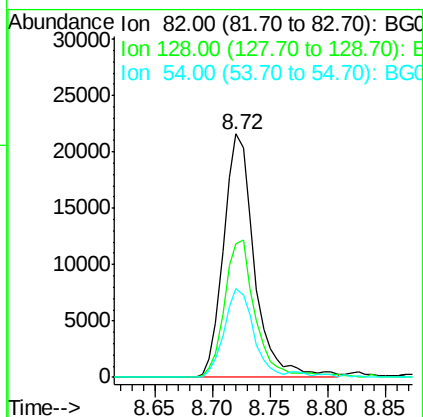
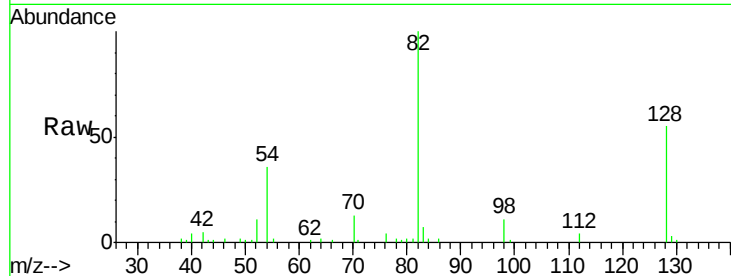




#23
Nitrobenzene-d5
Concen: 9.80 ng
RT: 8.72 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

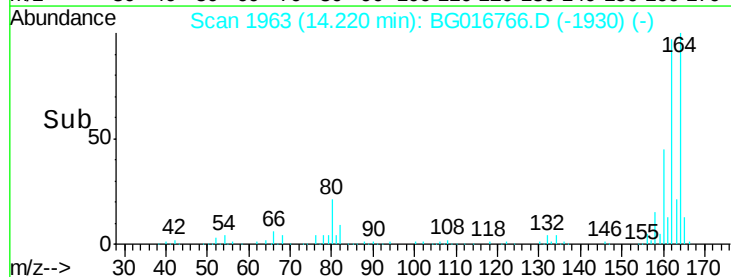
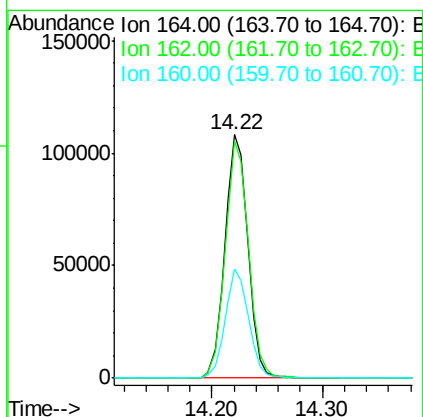
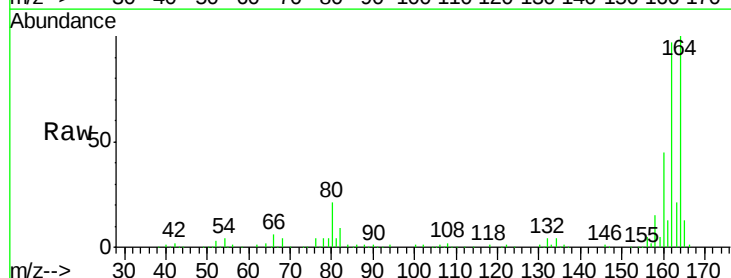
Instrument :
BNA_G
ClientSampleId :
SB-06-COMP

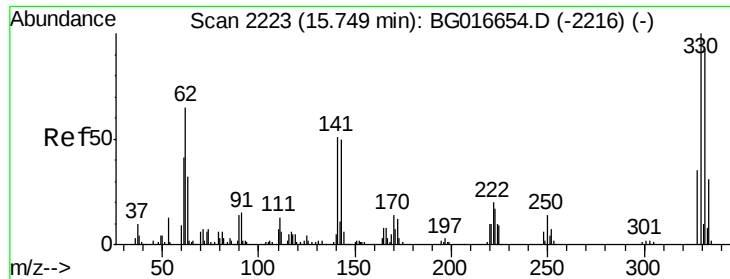
Tgt Ion: 82 Resp: 40072
Ion Ratio Lower Upper
82 100
128 54.9 44.7 67.1
54 36.2 30.9 46.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

Tgt Ion: 164 Resp: 157657
Ion Ratio Lower Upper
164 100
162 97.5 77.3 115.9
160 44.9 33.7 50.5

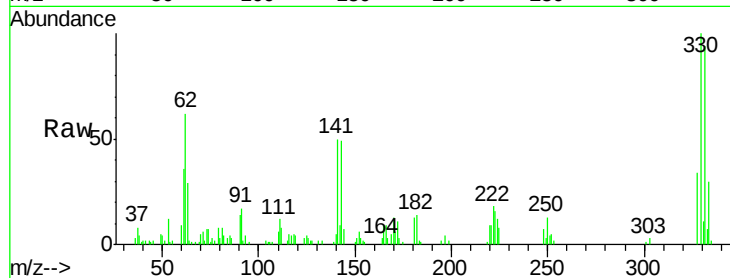




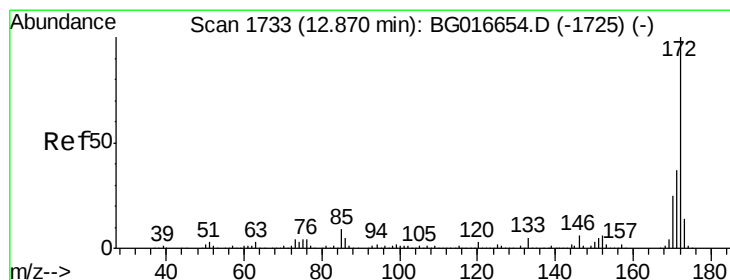
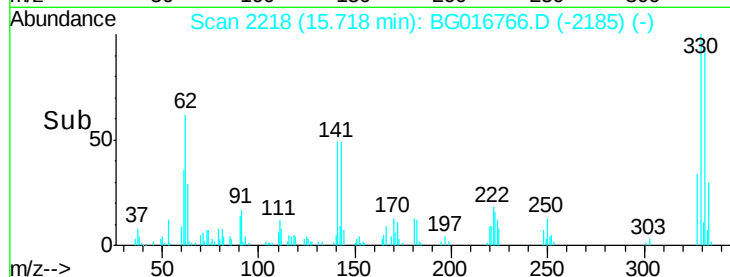
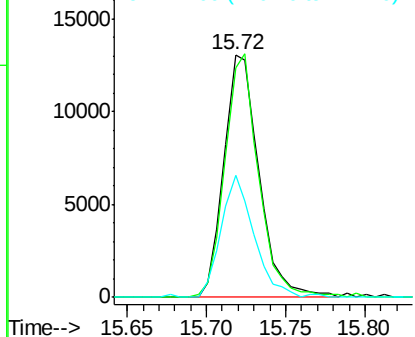
#41
 2,4,6-Tribromophenol
 Concen: 17.13 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG016766.D
 Acq: 28 Apr 2015 16:05

Instrument :
 BNA_G
 ClientSampleId :
 SB-06-COMP

Tgt Ion: 330 Resp: 20039
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.2 114.4
 141 47.6 43.0 64.6

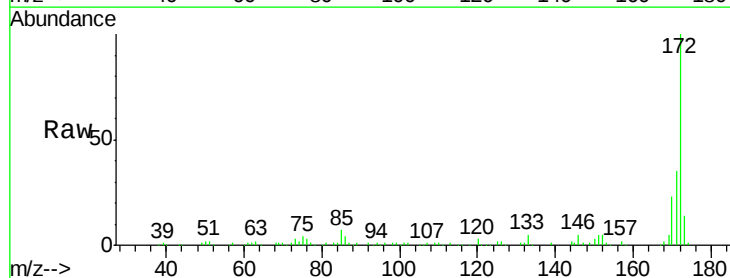


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

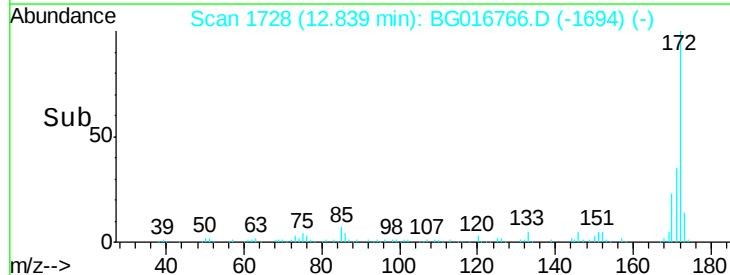
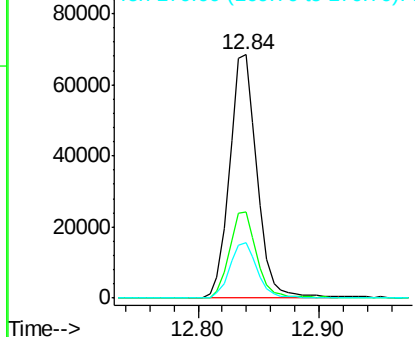


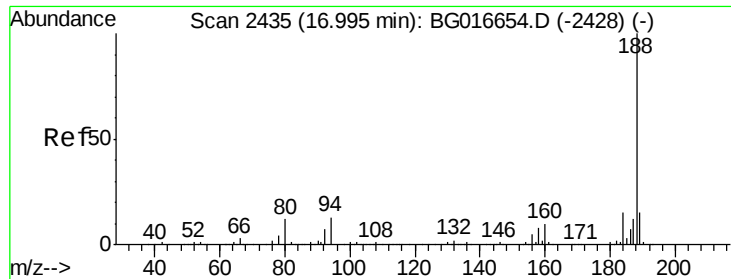
#44
 2-Fluorobiphenyl
 Concen: 11.00 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG016766.D
 Acq: 28 Apr 2015 16:05

Tgt Ion: 172 Resp: 107922
 Ion Ratio Lower Upper
 172 100
 171 35.3 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

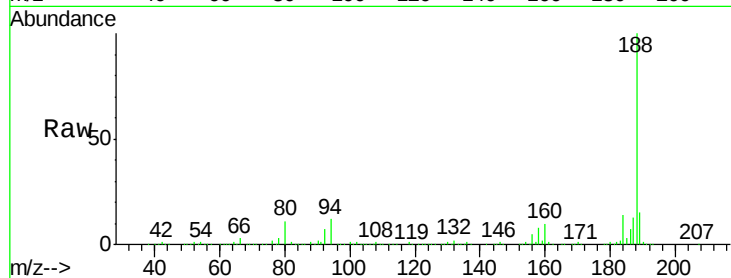




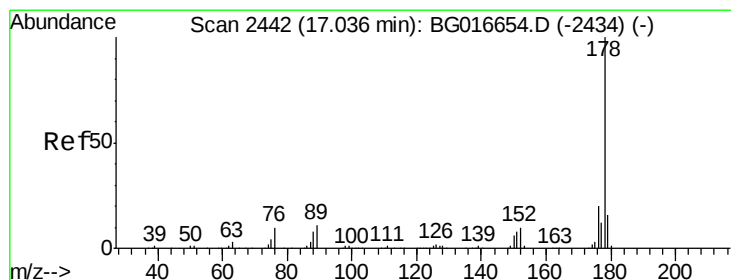
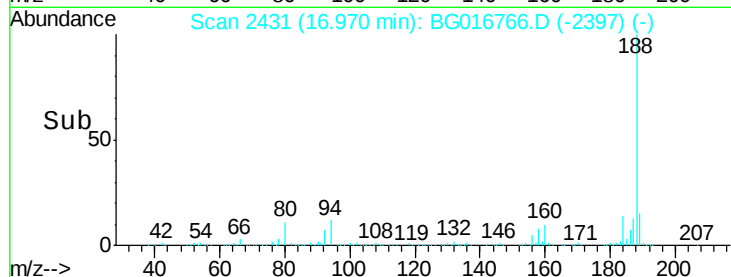
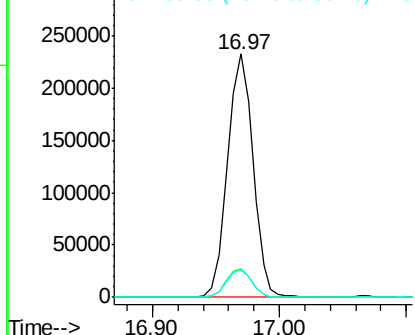
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

Instrument :
BNA_G
ClientSampleId :
SB-06-COMP

Tgt Ion:188 Resp: 322222
Ion Ratio Lower Upper
188 100
94 11.7 10.7 16.1
80 11.3 9.9 14.9

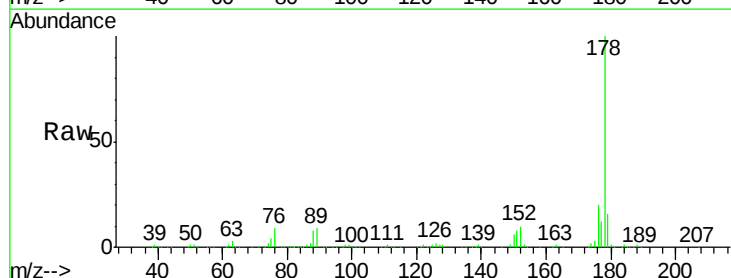


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

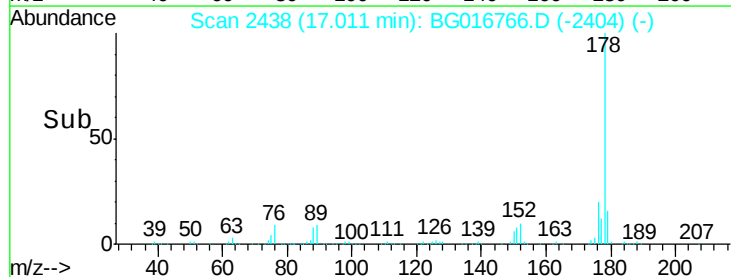
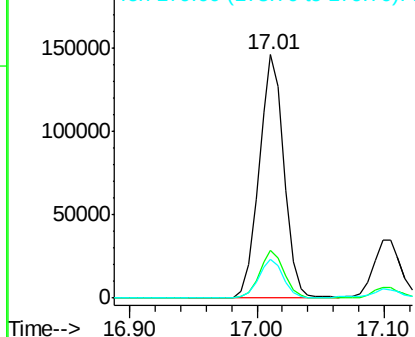


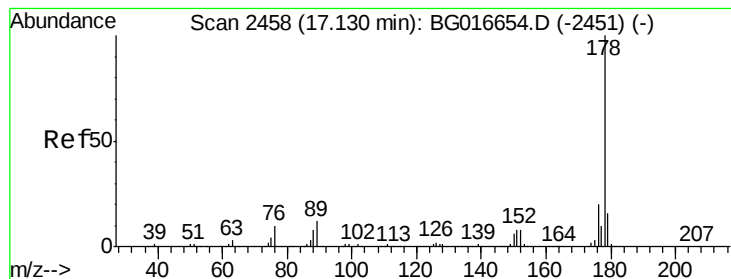
#70
Phenanthrene
Concen: 10.81 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

Tgt Ion:178 Resp: 200107
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 16.1 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: 2.80 ng

RT: 17.10 min Scan# 2454

Delta R.T. -0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

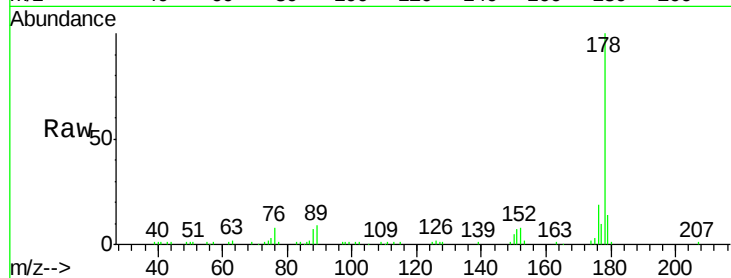
Tgt Ion:178 Resp: 51610

Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

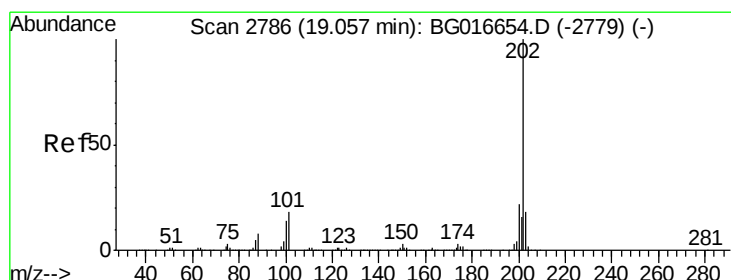
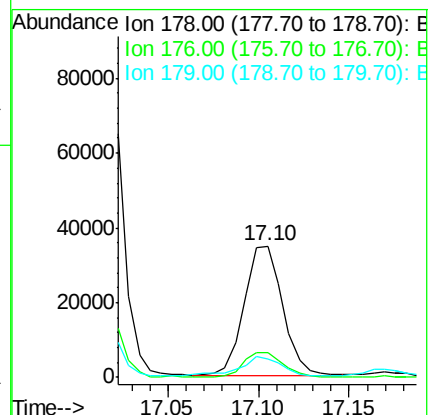
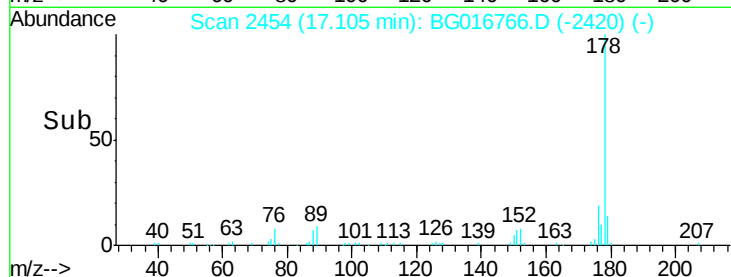
179 14.0 12.9 19.3



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



#74

Fluoranthene

Concen: 26.43 ng

RT: 19.04 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

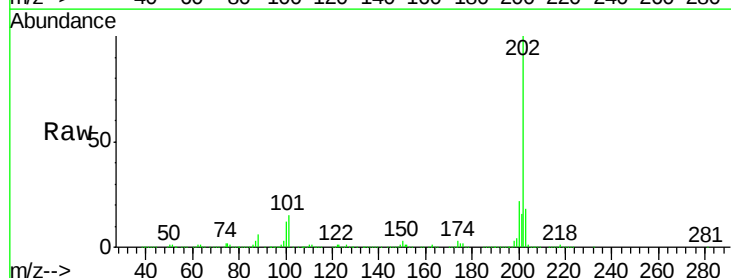
Tgt Ion:202 Resp: 518484

Ion Ratio Lower Upper

202 100

101 14.5 0.0 38.1

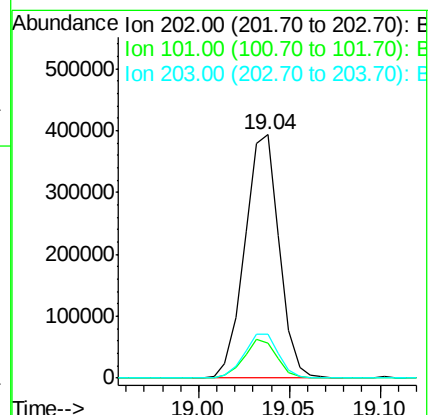
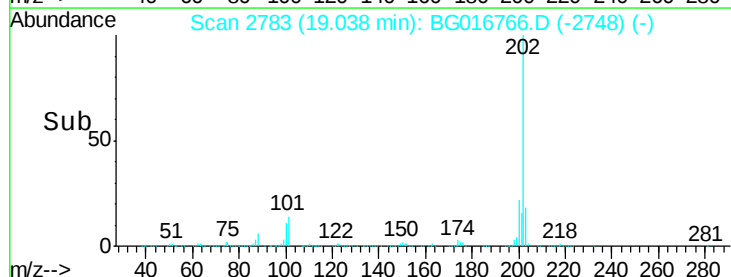
203 17.9 0.0 38.4

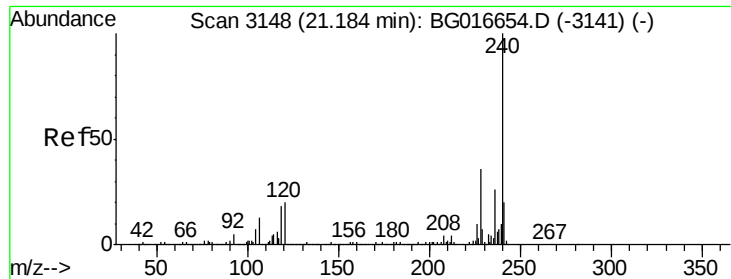


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3144

Delta R.T. -0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

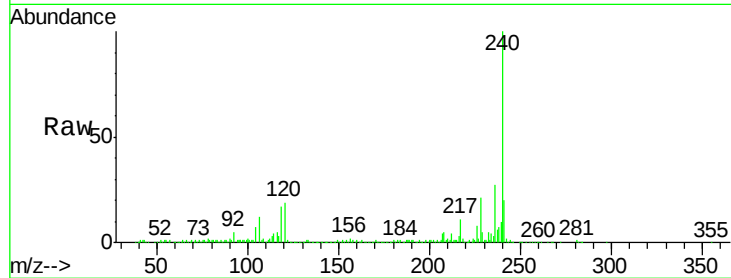
Tgt Ion:240 Resp: 264417

Ion Ratio Lower Upper

240 100

120 19.4 16.3 24.5

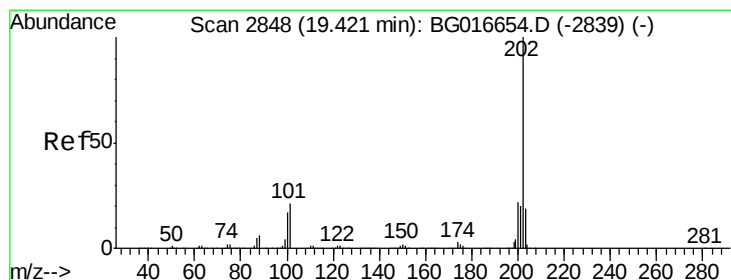
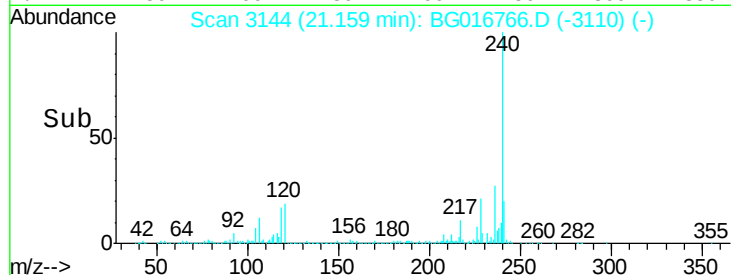
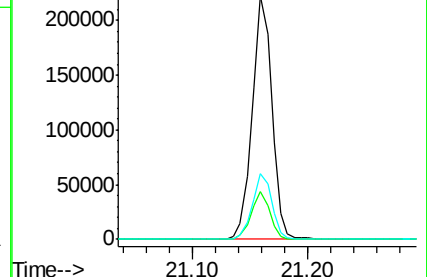
236 26.9 21.1 31.7



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: 25.58 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

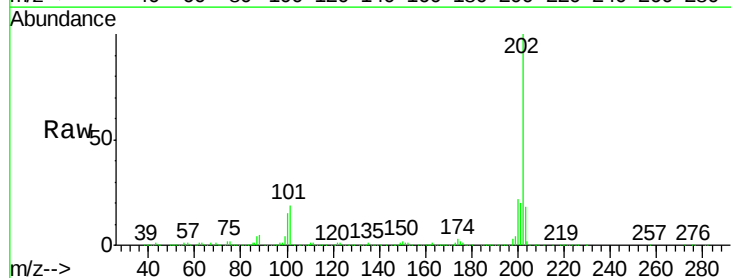
Tgt Ion:202 Resp: 475230

Ion Ratio Lower Upper

202 100

200 21.8 18.0 27.0

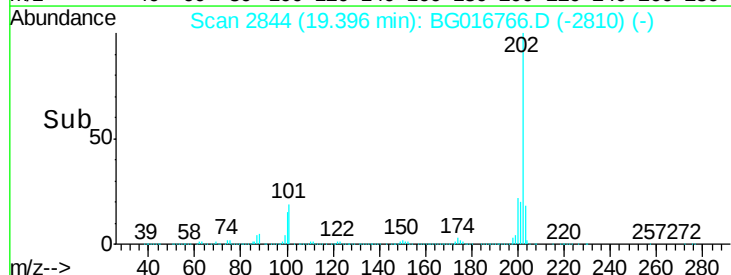
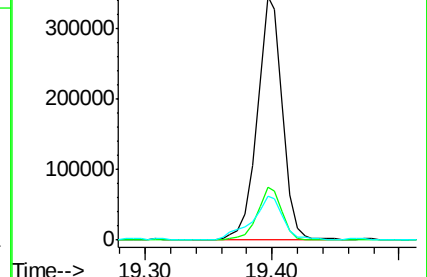
203 18.1 14.9 22.3

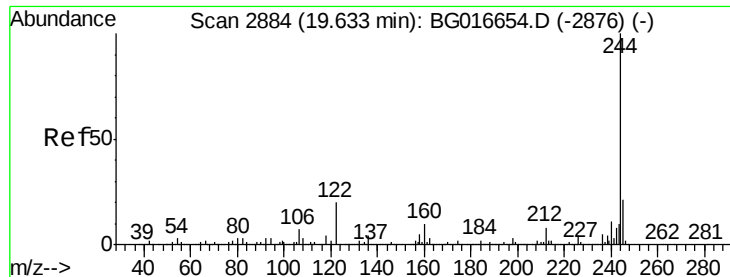


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.61 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

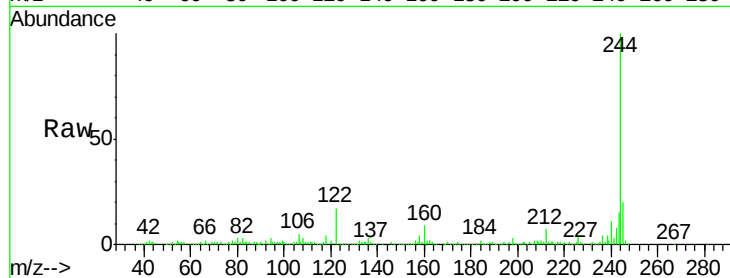
Tgt Ion:244 Resp: 121782

Ion Ratio Lower Upper

244 100

212 6.6 6.4 9.6

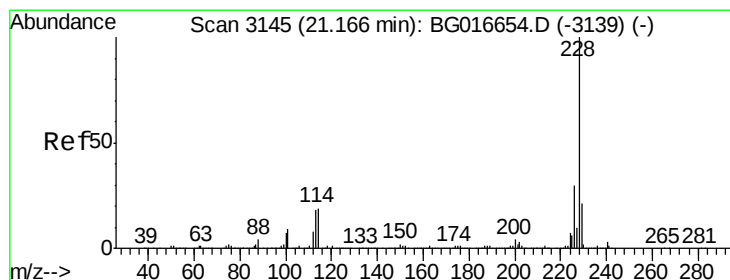
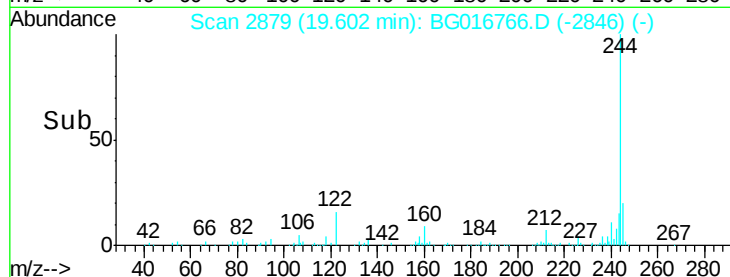
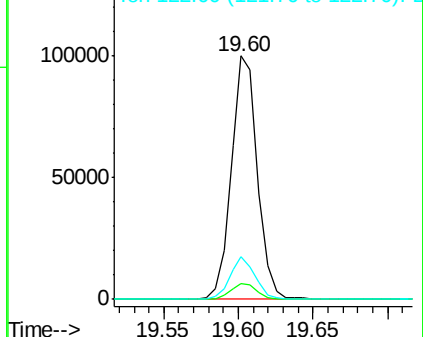
122 17.5 15.9 23.9



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: 15.14 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

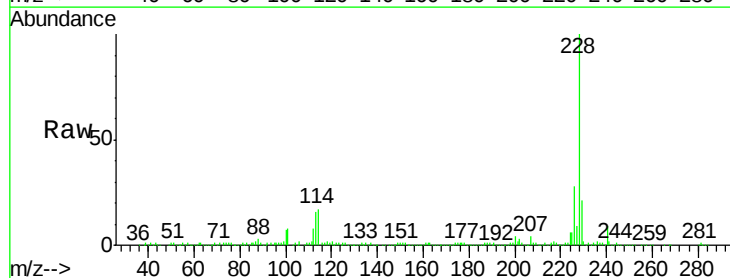
Tgt Ion:228 Resp: 242739

Ion Ratio Lower Upper

228 100

226 28.2 23.8 35.6

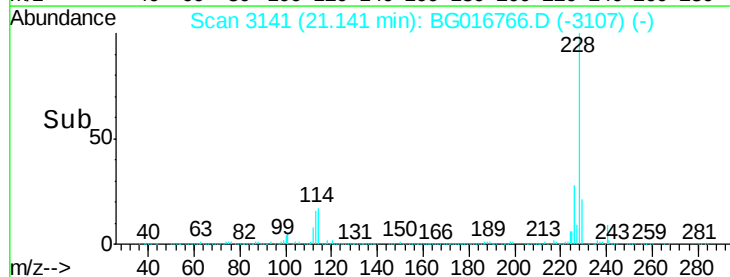
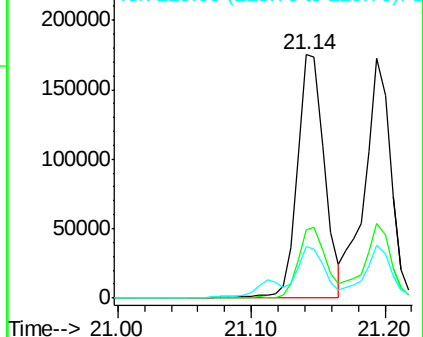
229 21.1 17.0 25.4

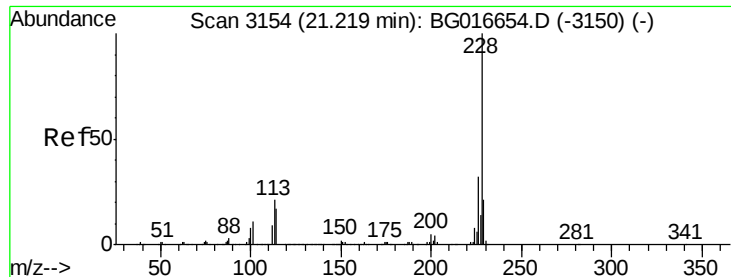


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.96 ng

RT: 21.19 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

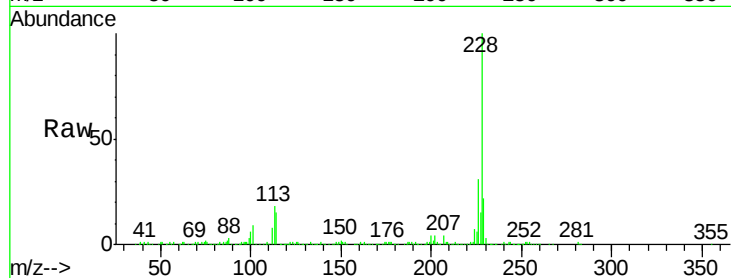
Tgt Ion:228 Resp: 229923

Ion Ratio Lower Upper

228 100

226 31.4 25.4 38.0

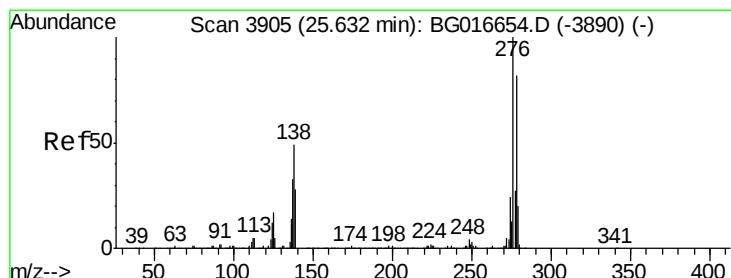
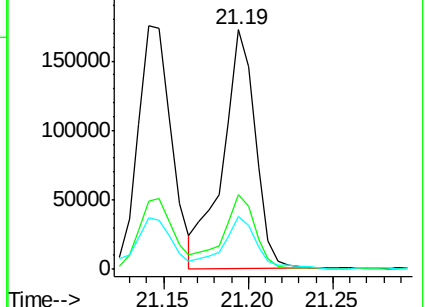
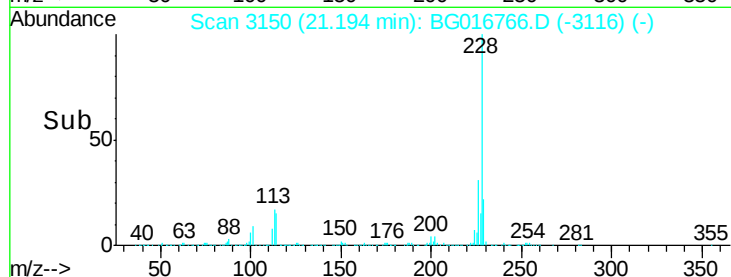
229 22.4 16.5 24.7



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: 8.34 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

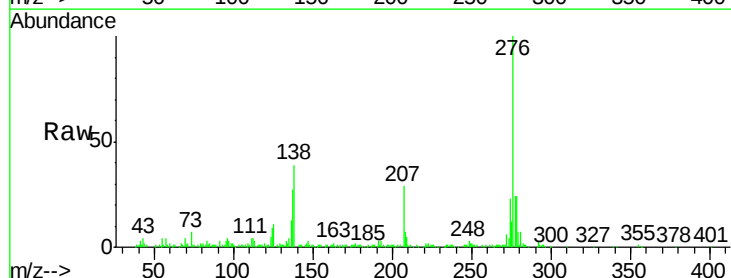
Tgt Ion:276 Resp: 139666

Ion Ratio Lower Upper

276 100

138 37.9 38.2 57.2#

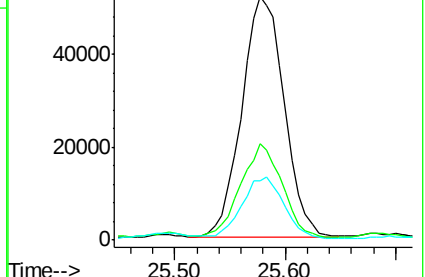
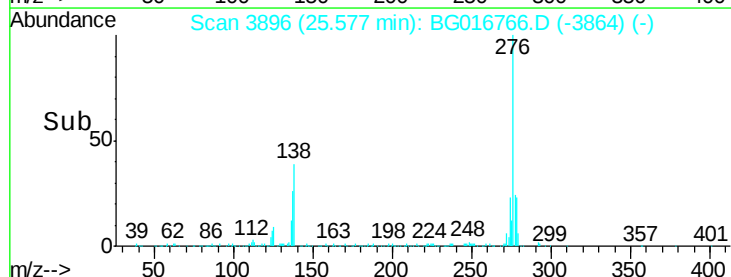
277 25.3 21.4 32.2

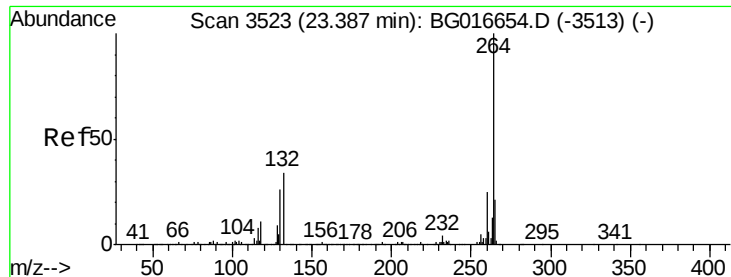


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



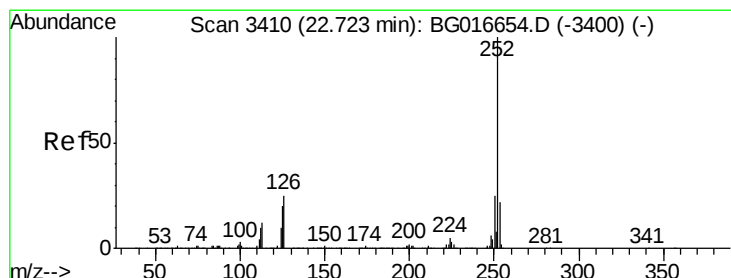
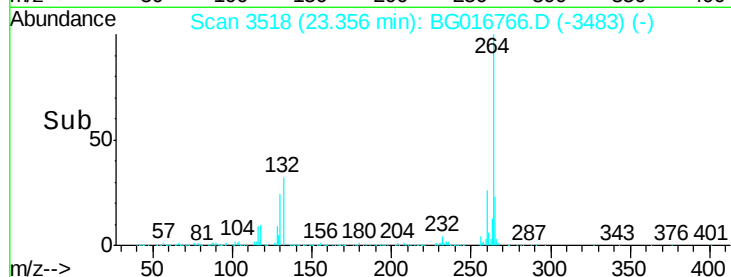
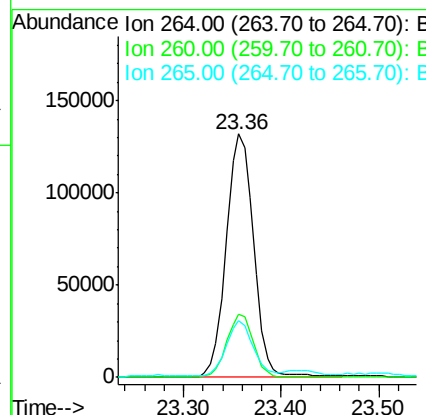
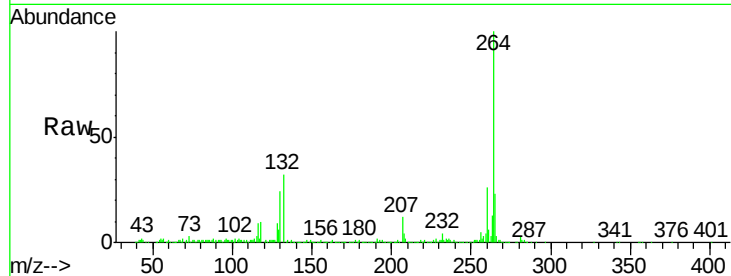


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

Instrument :
BNA_G
ClientSampleId :
SB-06-COMP

Tgt Ion: 264 Resp: 255630

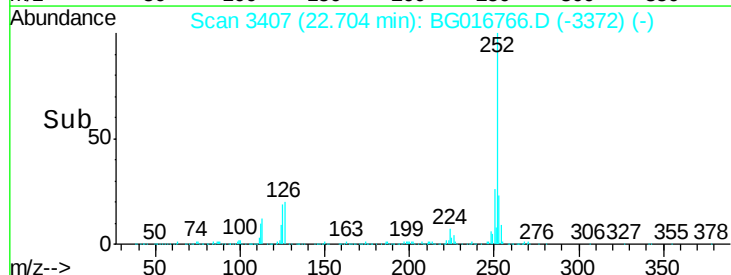
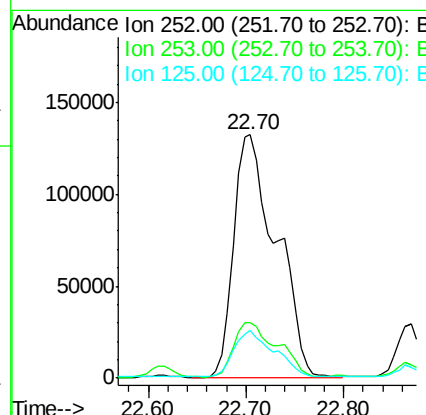
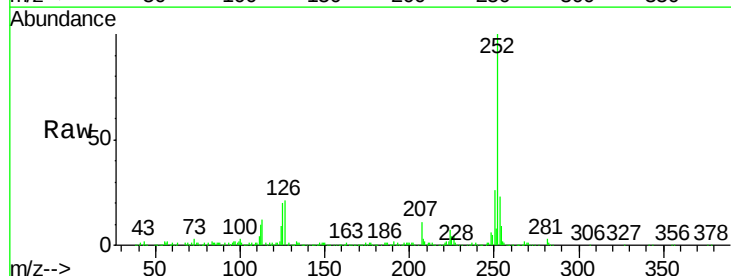
Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.0	30.0
265	23.1	16.8	25.2

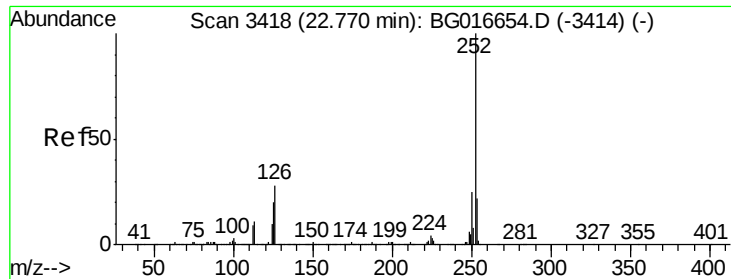


#87
Benzo(b)fluoranthene
Concen: 25.72 ng
RT: 22.70 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

Tgt Ion: 252 Resp: 399324

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	19.6	15.8	23.8

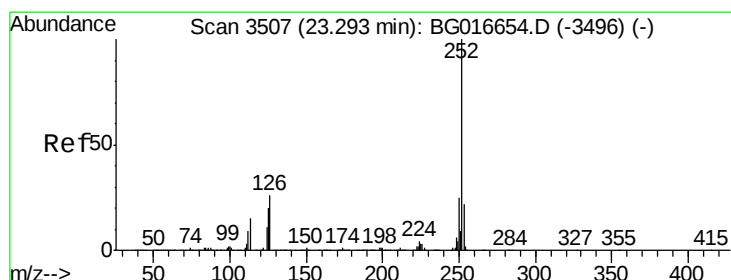
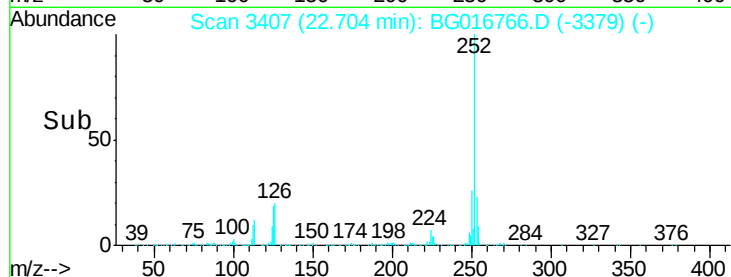
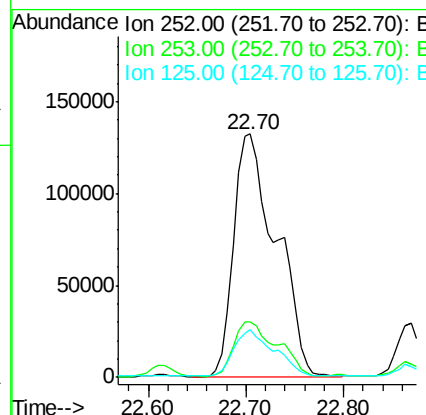
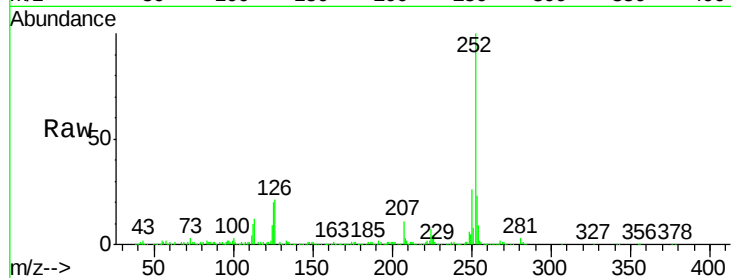




#88
Benzo(k)fluoranthene
Concen: 26.35 ng
RT: 22.70 min Scan# 3407
Delta R.T. -0.04 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

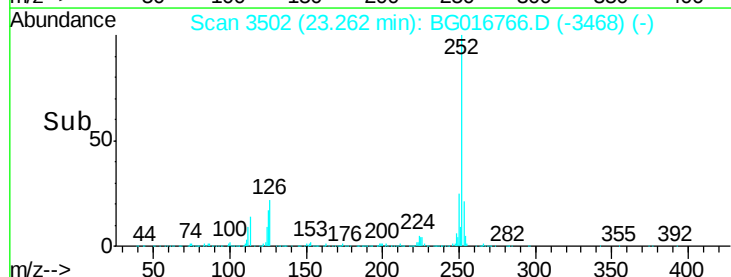
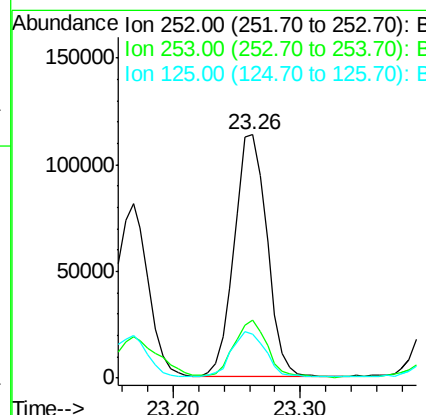
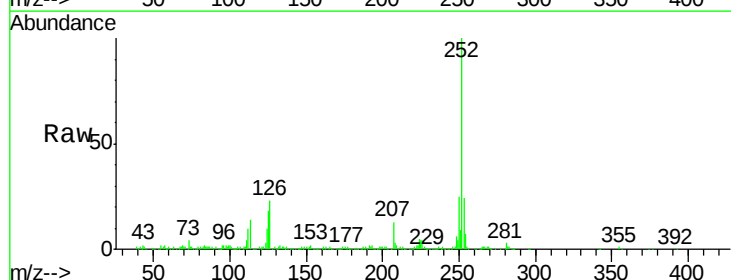
Instrument :
BNA_G
ClientSampleId :
SB-06-COMP

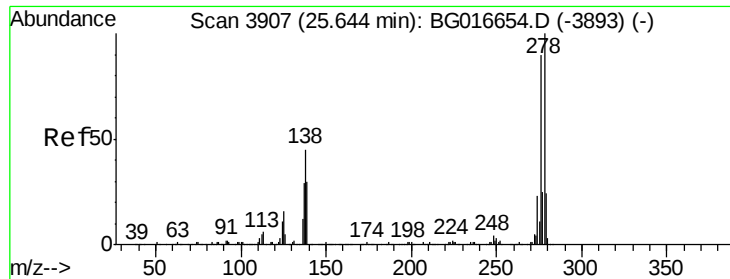
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	19.6	15.5	23.3



#89
Benzo(a)pyrene
Concen: 13.85 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.00 min
Lab File: BG016766.D
Acq: 28 Apr 2015 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	18.1	16.3	24.5





#90

Dibenzo(a,h)anthracene

Concen: 2.70 ng

RT: 25.58 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

Instrument :

BNA_G

ClientSampleId :

SB-06-COMP

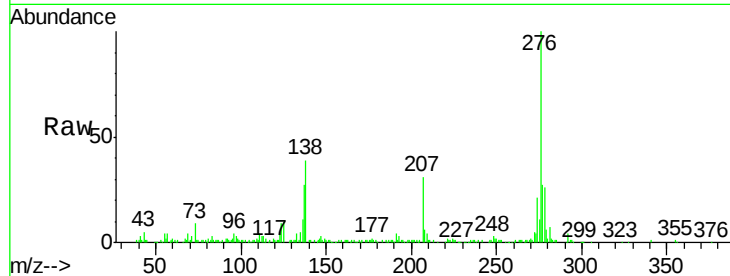
Tgt Ion:278 Resp: 38421

Ion Ratio Lower Upper

278 100

139 0.0 24.2 36.2#

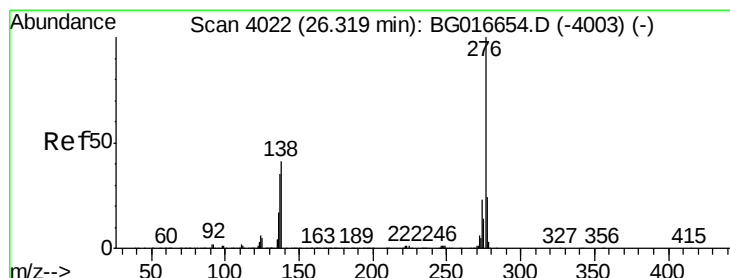
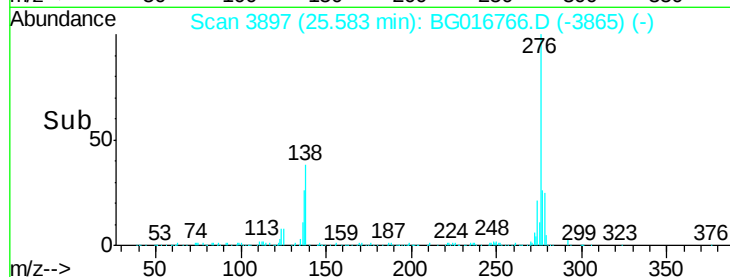
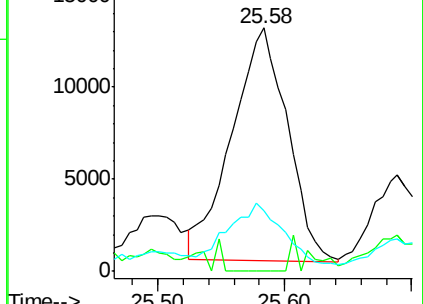
279 24.8 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.50 ng

RT: 26.26 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BG016766.D

Acq: 28 Apr 2015 16:05

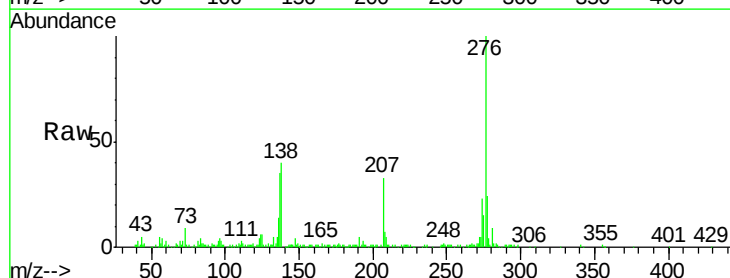
Tgt Ion:276 Resp: 137471

Ion Ratio Lower Upper

276 100

277 24.4 19.3 28.9

138 40.3 32.8 49.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

