

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
 Data File : BG016815.D
 Acq On : 30 Apr 2015 2:37
 Operator : TP/IZ
 Sample : G2021-10DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

Quant Time: Apr 30 03:31:01 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 02:30:36 2015
 Response via : Initial Calibration

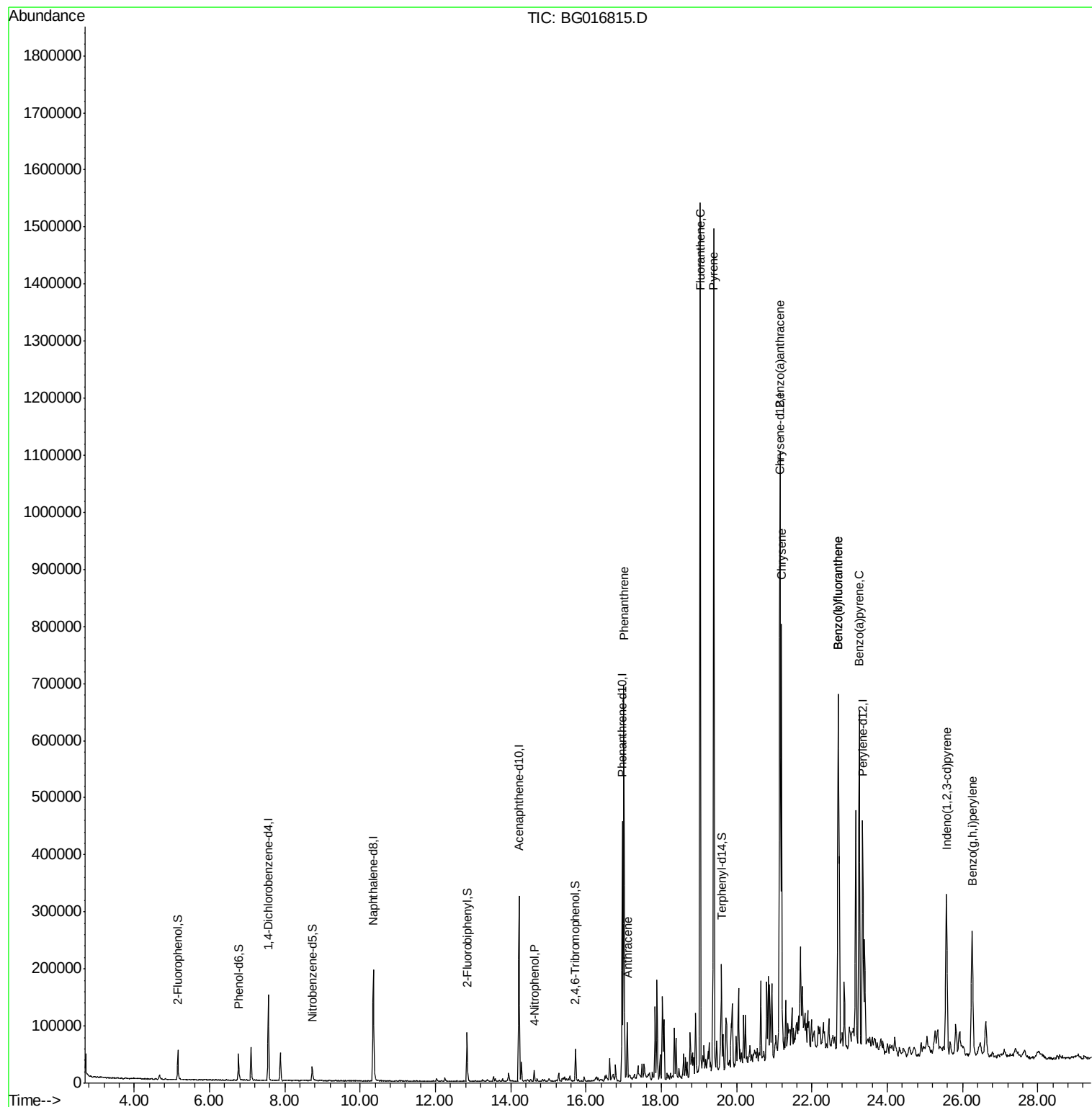
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	45010	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	194132	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	116813	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	253073	20.00	ng	0.00
75) Chrysene-d12	21.16	240	231188	20.00	ng	0.00
86) Perylene-d12	23.35	264	222258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	29353	12.01	ng	0.00
7) Phenol-d6	6.77	99	37263	10.86	ng	0.00
23) Nitrobenzene-d5	8.73	82	17734	5.95	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	8034	9.23	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	53675	7.11	ng	0.00
78) Terphenyl-d14	19.60	244	70327	7.34	ng	0.00
Target Compounds						Qvalue
55) 4-Nitrophenol	14.62	139	3999	8.46	ng	# 22
70) Phenanthrene	17.01	178	399796	29.21	ng	100
71) Anthracene	17.10	178	61276	4.48	ng	98
74) Fluoranthene	19.03	202	782561	53.17	ng	99
77) Pyrene	19.40	202	813370	53.81	ng	99
80) Benzo(a)anthracene	21.14	228	426175	31.91	ng	99
82) Chrysene	21.20	228	350732	27.77	ng	98
85) Indeno(1,2,3-cd)pyrene	25.57	276	213370	14.84	ng	93
87) Benzo(b)fluoranthene	22.70	252	589590	46.59	ng	99
88) Benzo(k)fluoranthene	22.70	252	589590	47.58	ng	99
89) Benzo(a)pyrene	23.26	252	339345	28.32	ng	99
91) Benzo(g,h,i)perylene	26.26	276	205380	16.90	ng	99

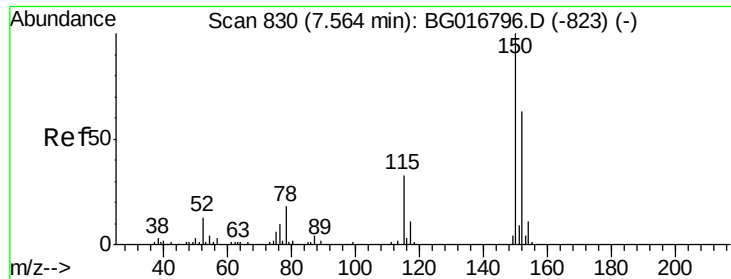
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 829

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2DL

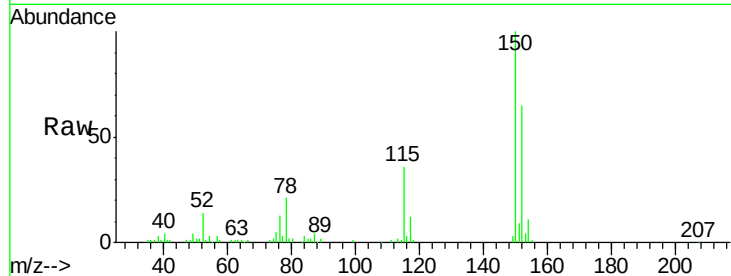
Tgt Ion:152 Resp: 45010

Ion Ratio Lower Upper

152 100

150 153.7 126.2 189.4

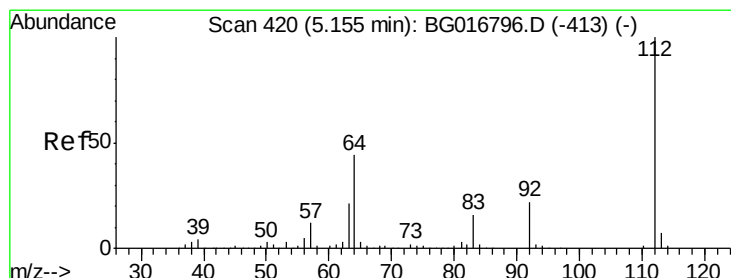
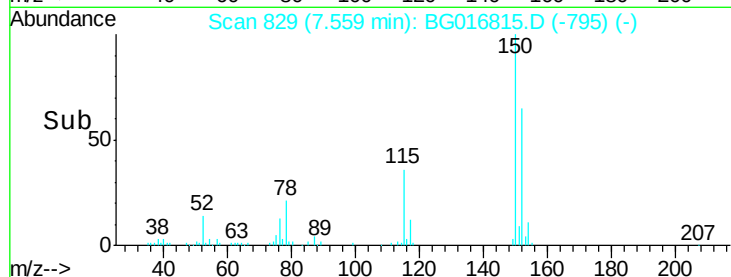
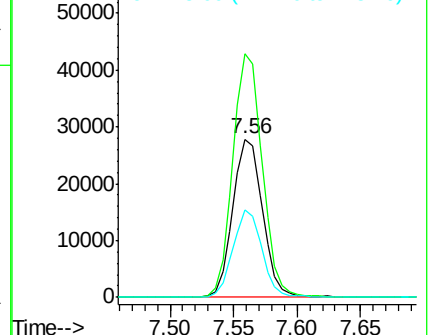
115 55.1 41.1 61.7



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: 12.01 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

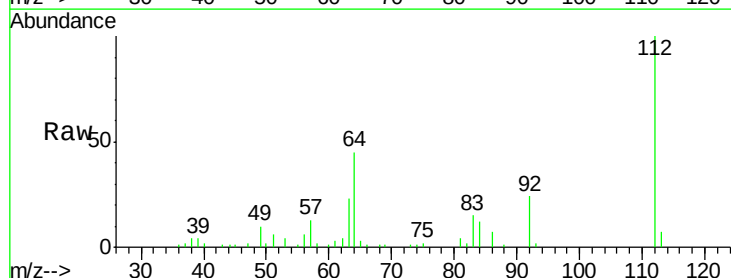
Tgt Ion:112 Resp: 29353

Ion Ratio Lower Upper

112 100

64 44.7 35.5 53.3

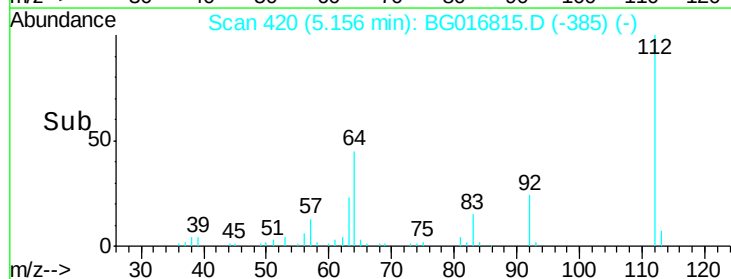
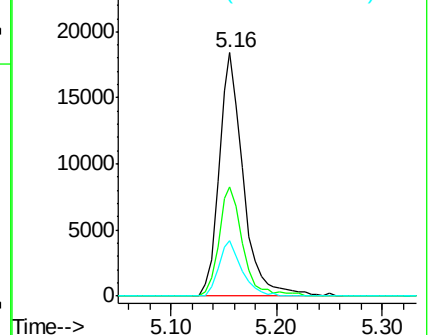
63 22.9 17.2 25.8

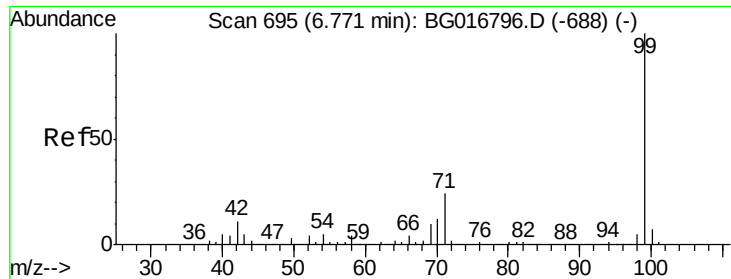


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 10.86 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

ClientSampled :

PS-18-0-2DL

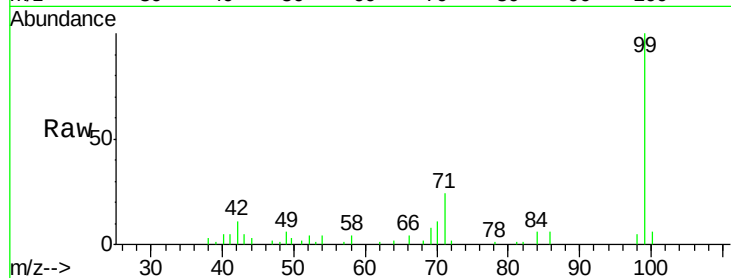
Tgt Ion: 99 Resp: 37263

Ion Ratio Lower Upper

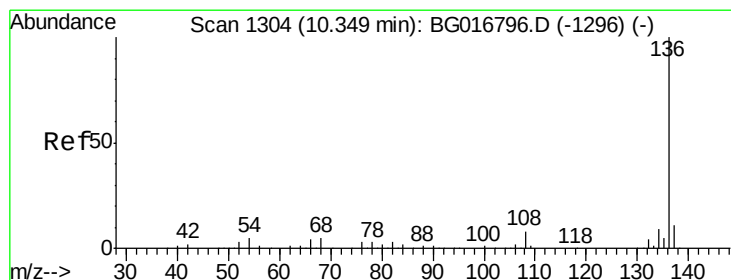
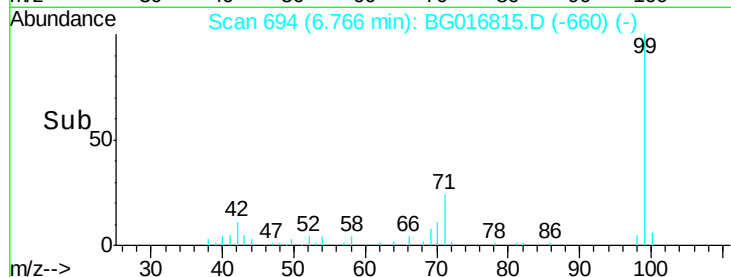
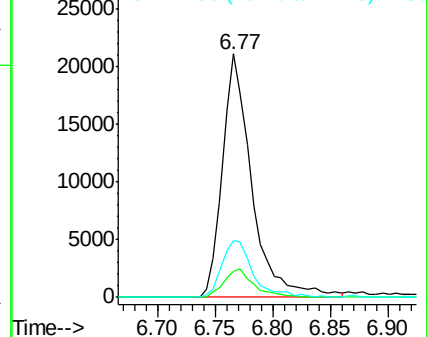
99 100

42 10.7 8.9 13.3

71 23.6 19.0 28.6



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: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion: 136 Resp: 194132

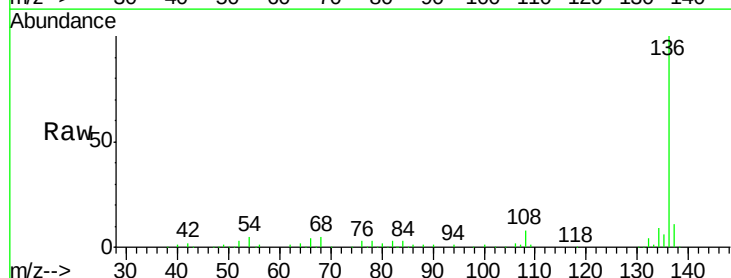
Ion Ratio Lower Upper

136 100

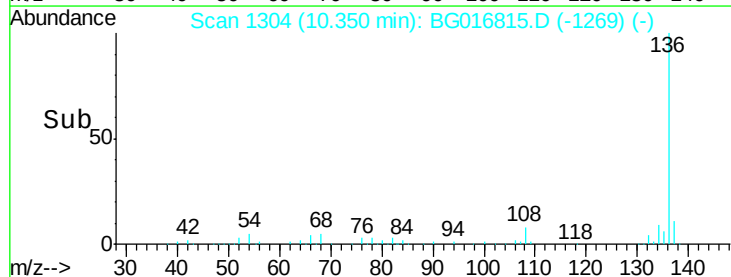
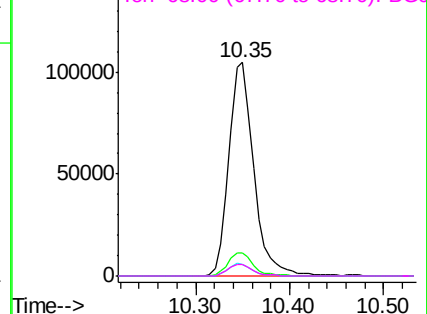
137 10.6 8.6 12.8

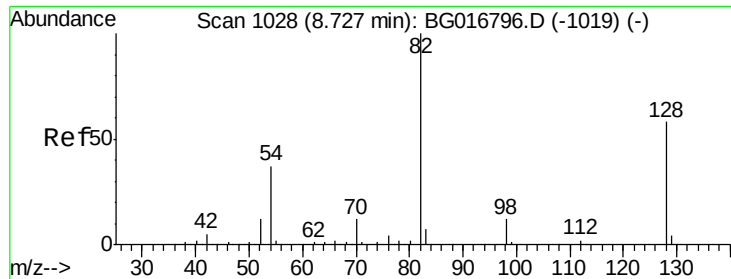
54 5.5 4.3 6.5

68 5.3 4.3 6.5



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

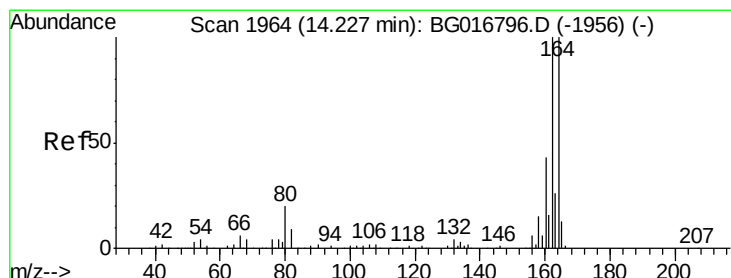
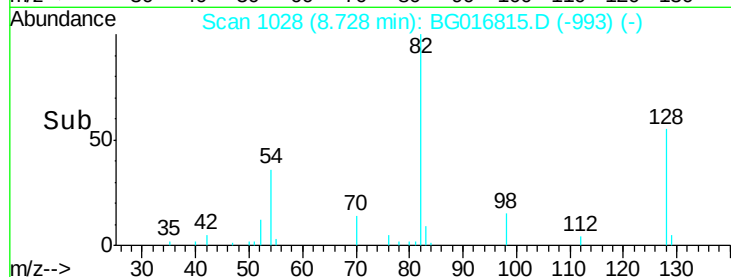
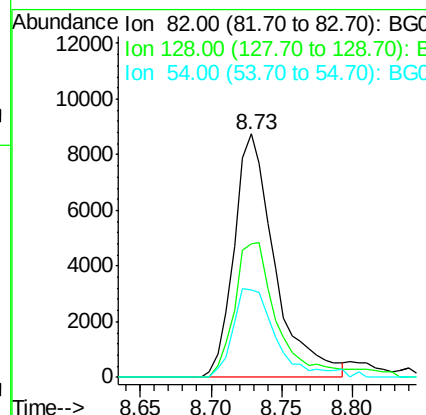
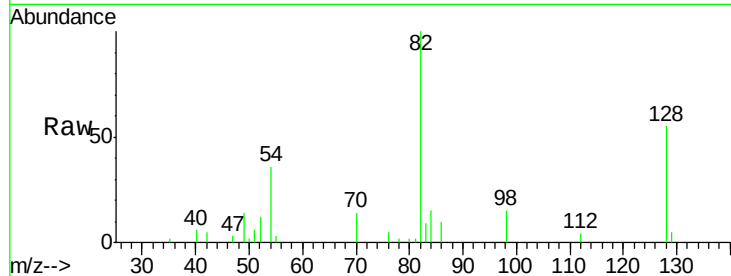




#23
 Nitrobenzene-d5
 Concen: 5.95 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

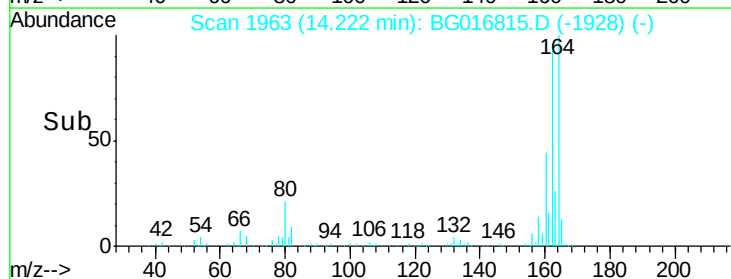
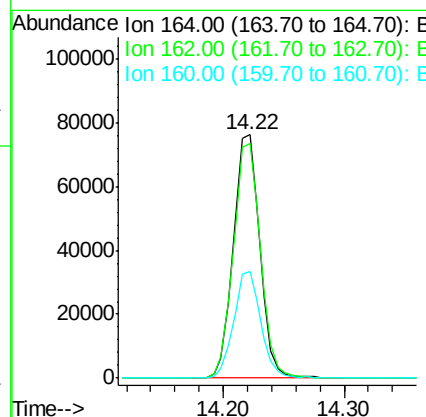
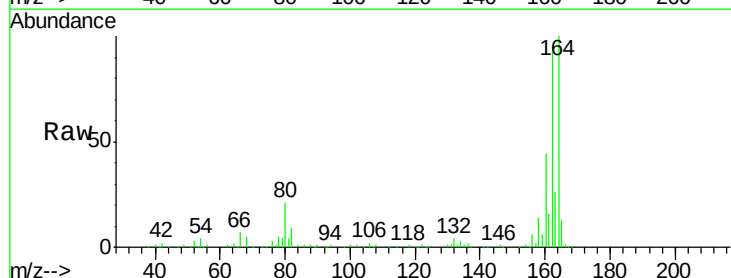
Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

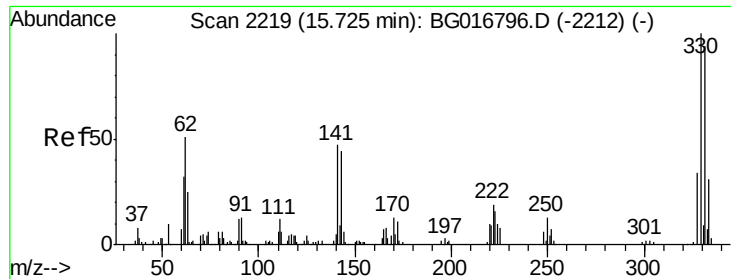
Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.0	46.3	69.5
54	35.7	30.0	45.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.2	80.2	120.4
160	43.7	34.8	52.2

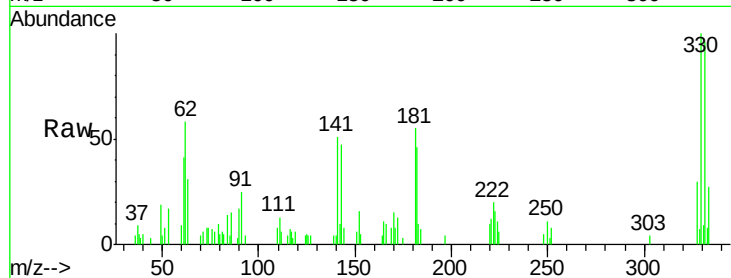




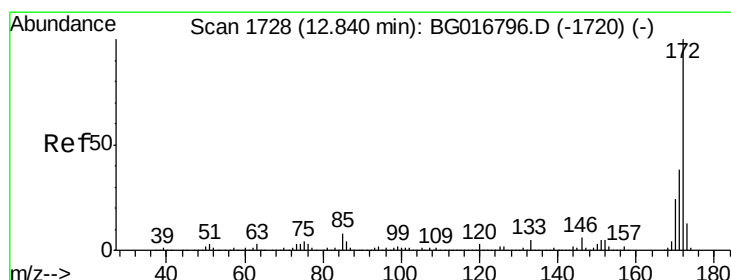
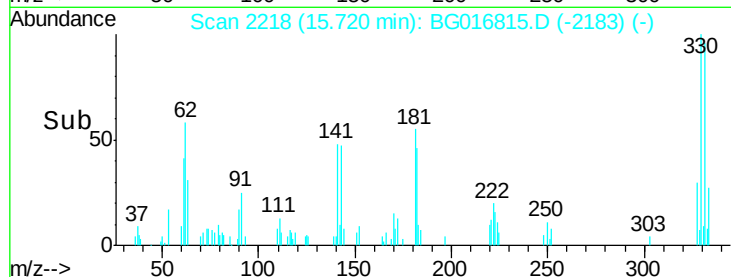
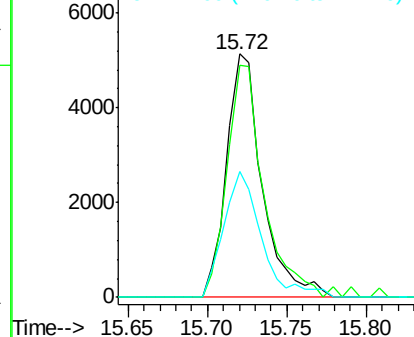
#41
 2,4,6-Tribromophenol
 Concen: 9.23 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

Tgt Ion: 330 Resp: 8034
 Ion Ratio Lower Upper
 330 100
 332 97.7 75.3 112.9
 141 54.8 40.7 61.1

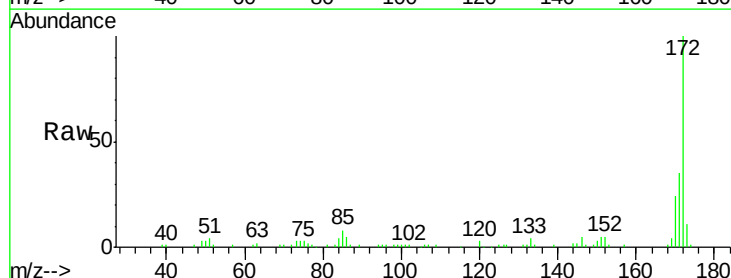


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

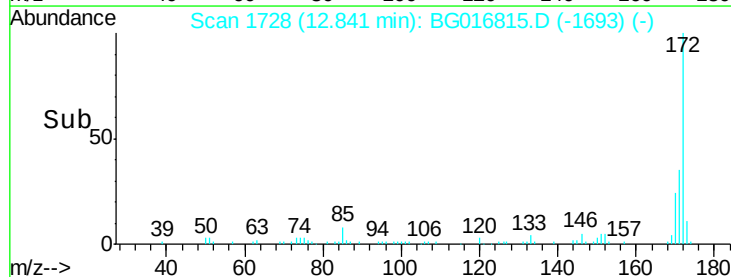
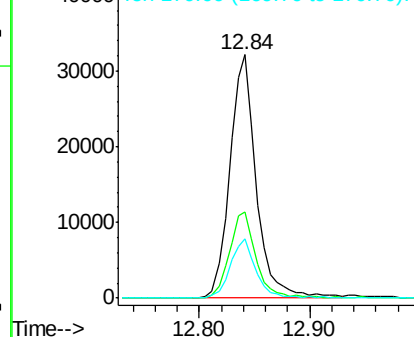


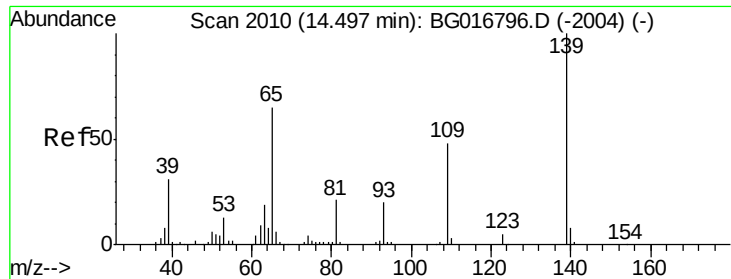
#44
 2-Fluorobiphenyl
 Concen: 7.11 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Tgt Ion: 172 Resp: 53675
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.2 45.4
 170 24.2 19.4 29.0



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

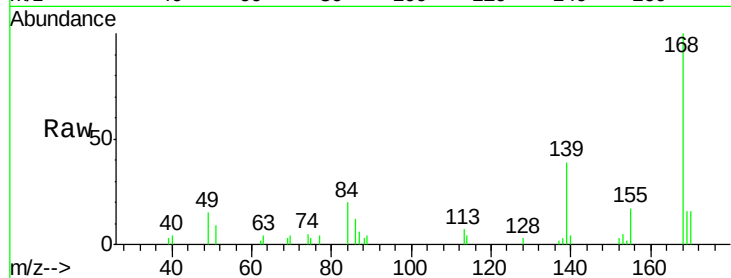




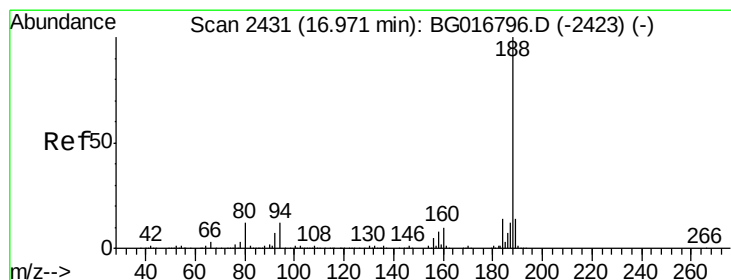
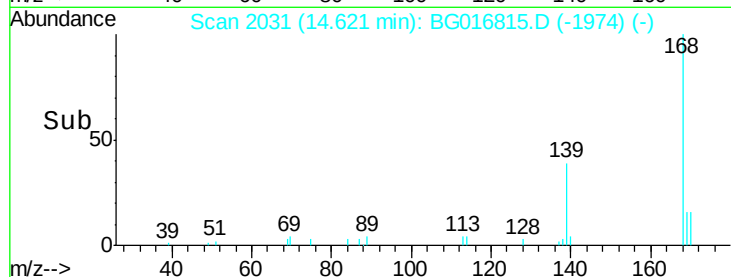
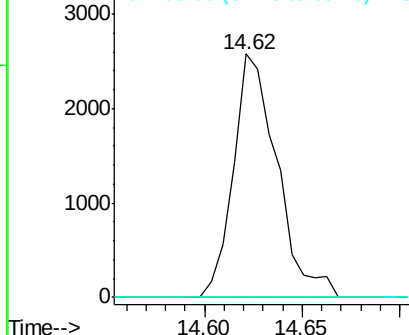
#55
4-Nitrophenol
Concen: 8.46 ng
RT: 14.62 min Scan# 2031
Delta R.T. 0.13 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2DL

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.8	67.8#
65	0.0	45.4	85.4#

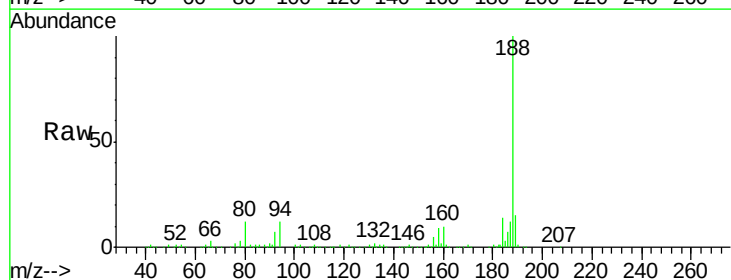


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

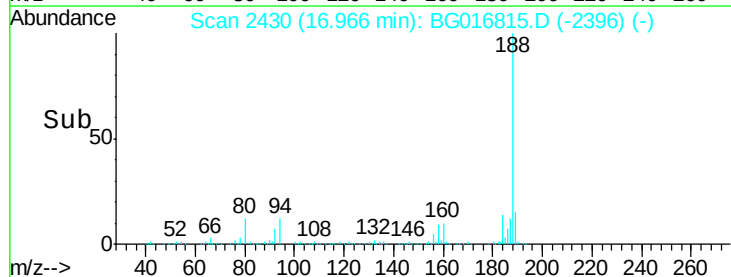
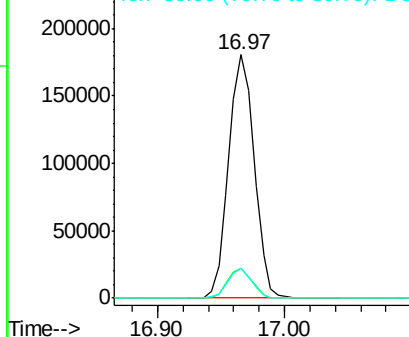


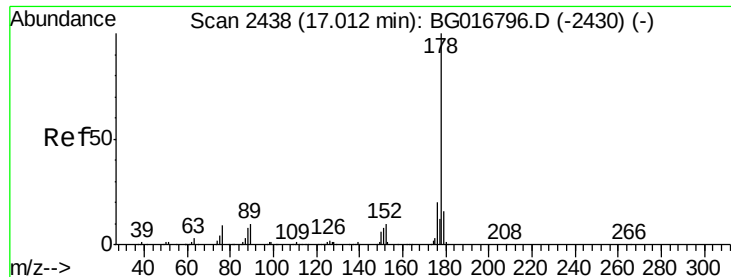
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.5	14.3
80	12.0	9.2	13.8



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: 29.21 ng

RT: 17.01 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2DL

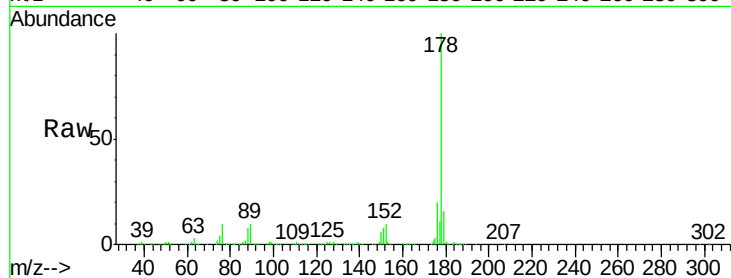
Tgt Ion:178 Resp: 399796

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

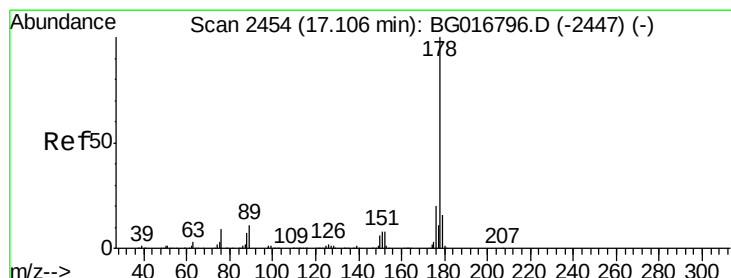
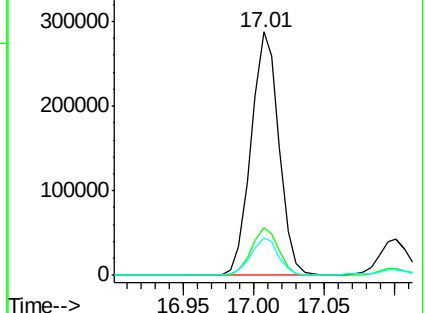
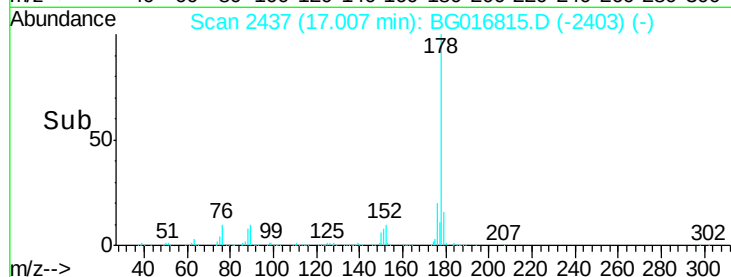
179 15.5 12.7 19.1



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: 4.48 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

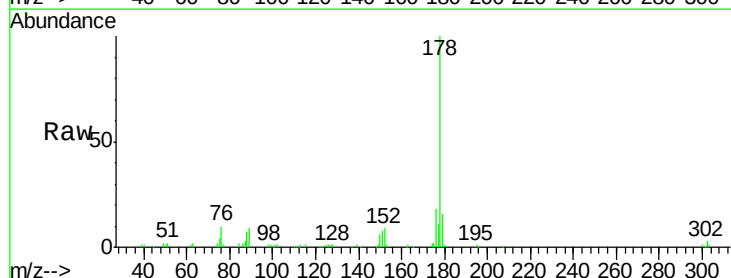
Tgt Ion:178 Resp: 61276

Ion Ratio Lower Upper

178 100

176 18.4 16.0 24.0

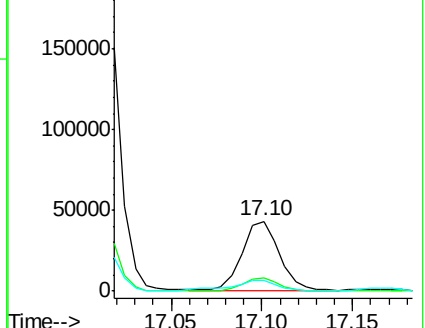
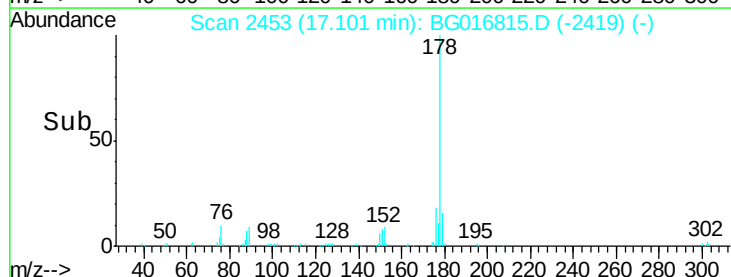
179 15.6 12.6 18.8

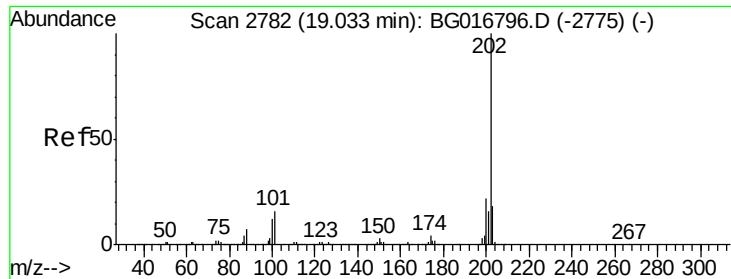


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 53.17 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2DL

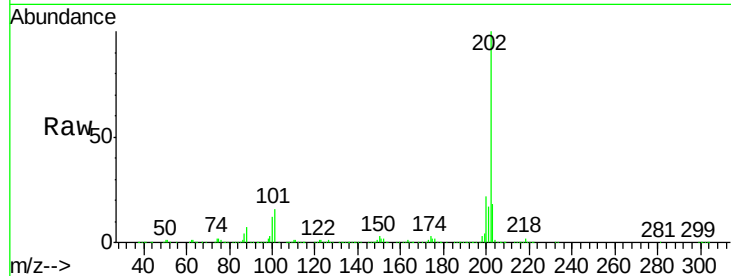
Tgt Ion:202 Resp: 782561

Ion Ratio Lower Upper

202 100

101 16.4 0.0 36.2

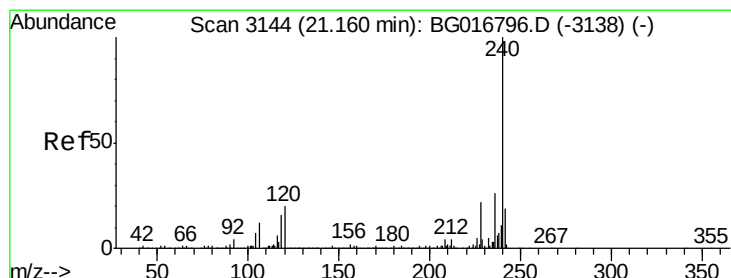
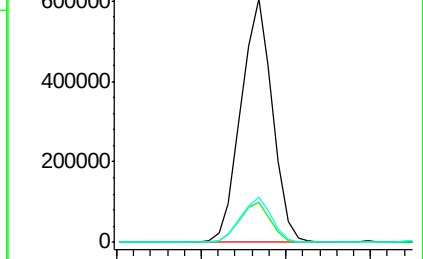
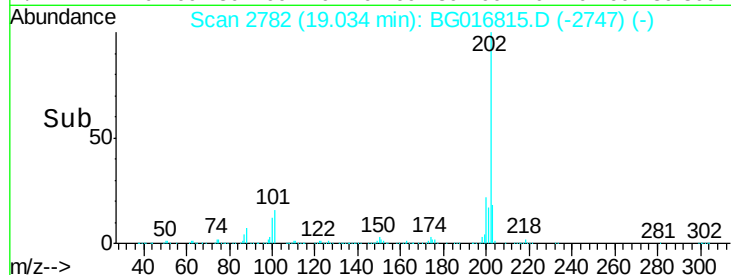
203 18.3 0.0 37.6



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: BG016815.D

Acq: 30 Apr 2015 2:37

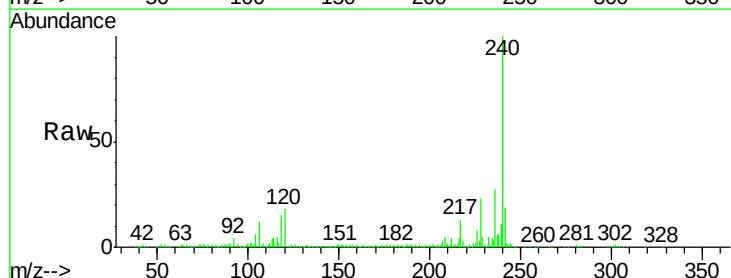
Tgt Ion:240 Resp: 231188

Ion Ratio Lower Upper

240 100

120 17.7 16.1 24.1

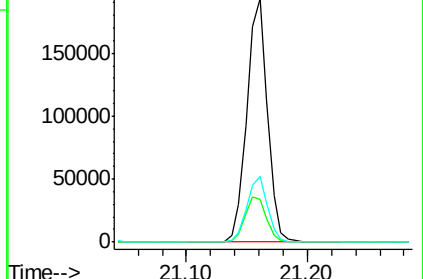
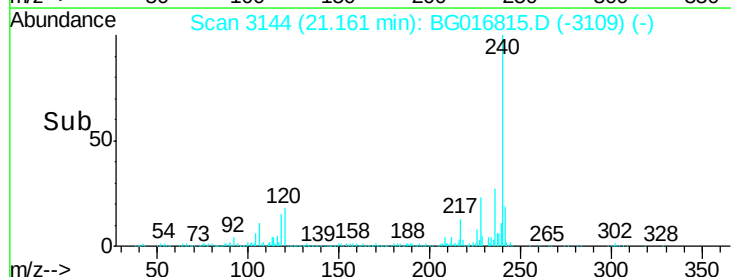
236 26.8 21.0 31.6

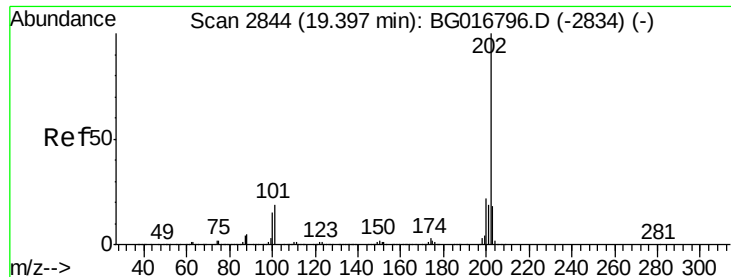


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

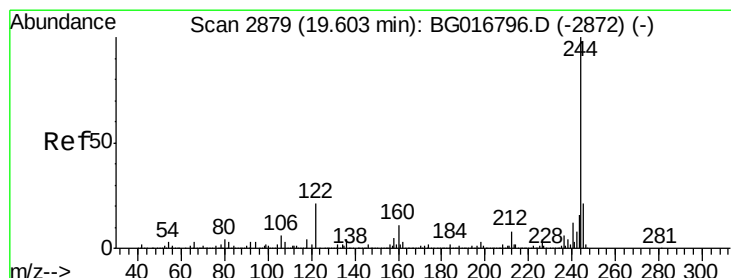
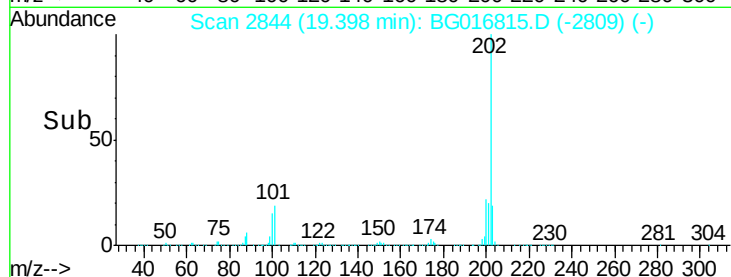
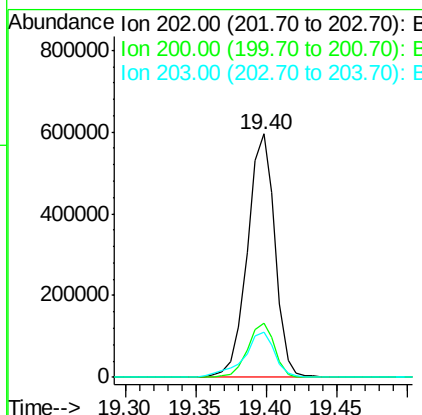
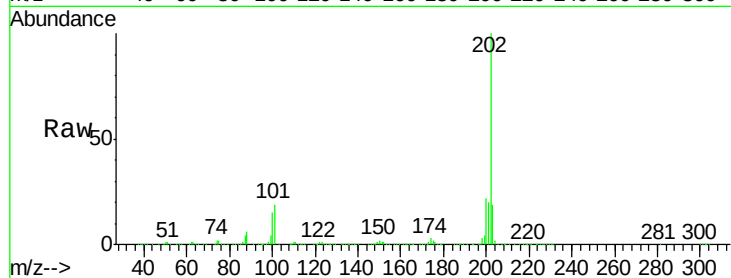




#77
 Pyrene
 Concen: 53.81 ng
 RT: 19.40 min Scan# 2844
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

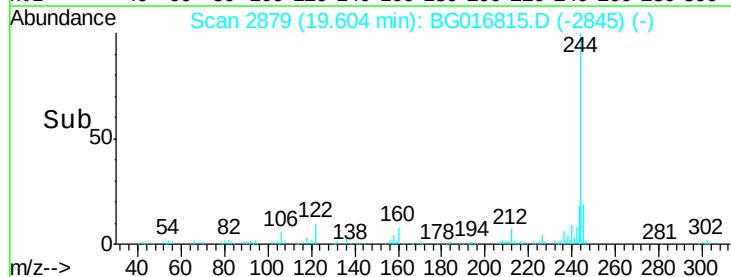
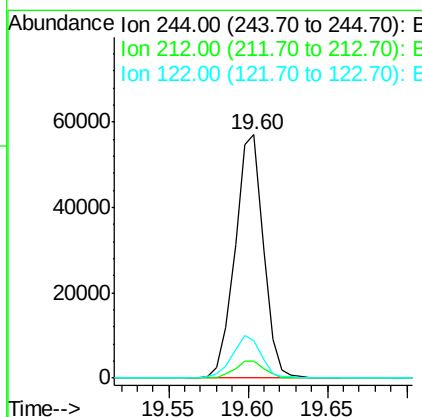
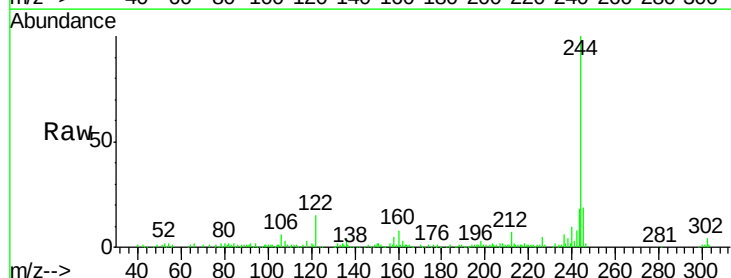
Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

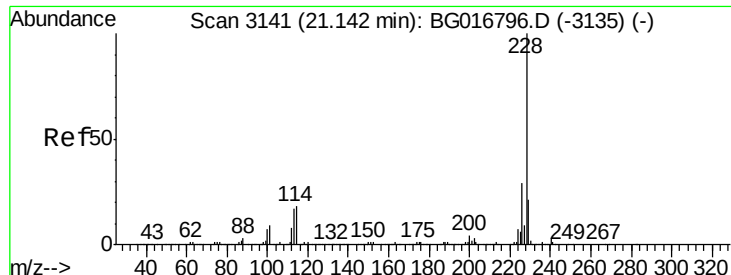
Tgt Ion: 202 Resp: 813370
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.3 25.9
 203 18.6 14.6 22.0



#78
 Terphenyl-d14
 Concen: 7.34 ng
 RT: 19.60 min Scan# 2879
 Delta R.T. -0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Tgt Ion: 244 Resp: 70327
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.4 9.6
 122 15.2 16.4 24.6#





#80

Benzo(a)anthracene

Concen: 31.91 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2DL

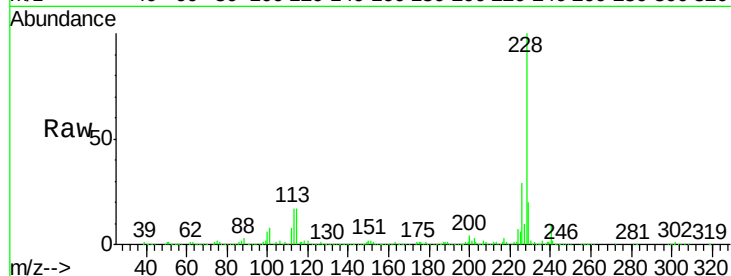
Tgt Ion:228 Resp: 426175

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.0

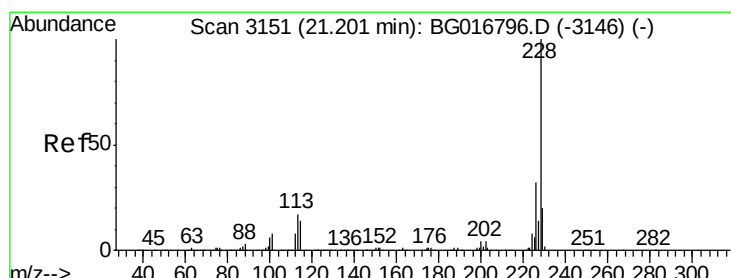
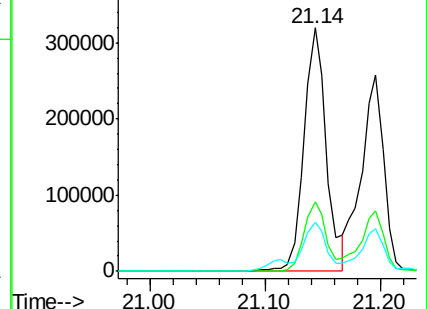
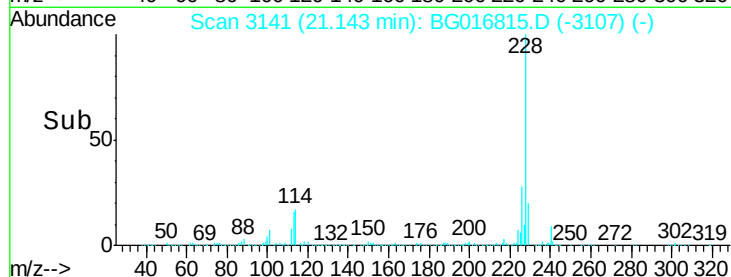
229 20.3 17.0 25.6



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: 27.77 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

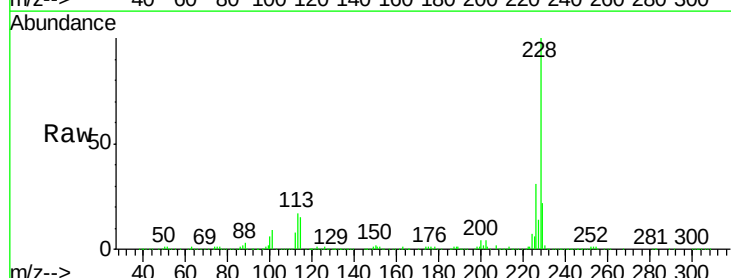
Tgt Ion:228 Resp: 350732

Ion Ratio Lower Upper

228 100

226 30.9 25.1 37.7

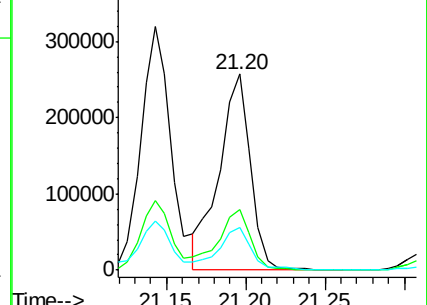
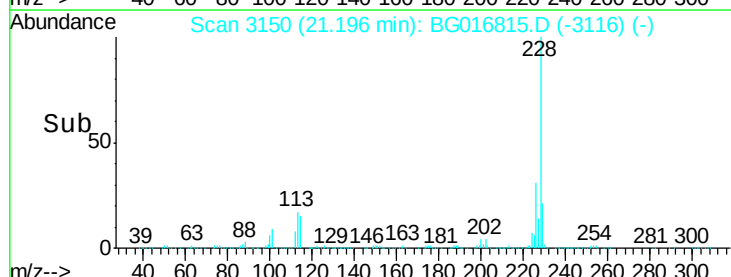
229 21.6 16.1 24.1

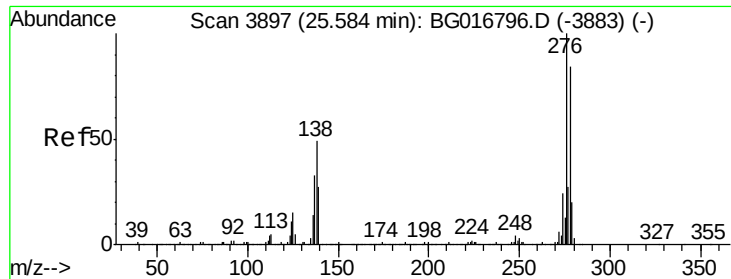


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

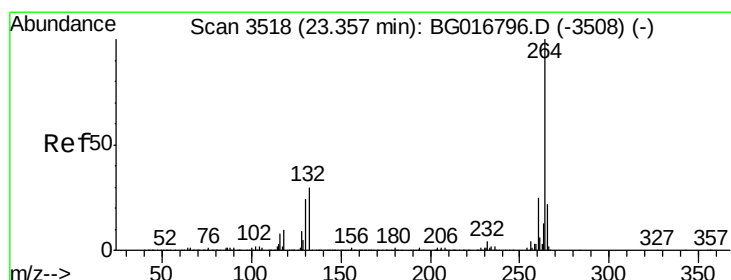
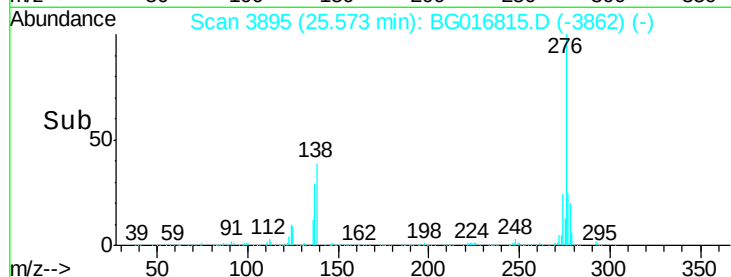
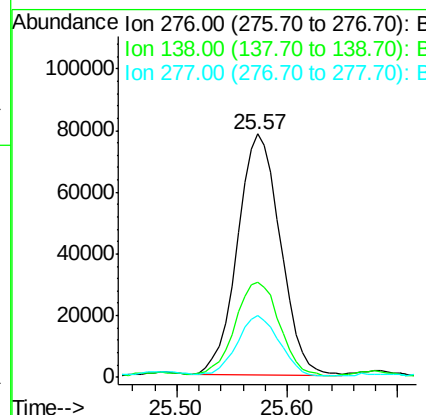
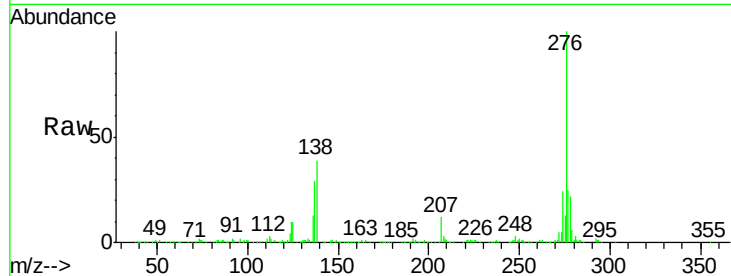




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.84 ng
 RT: 25.57 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

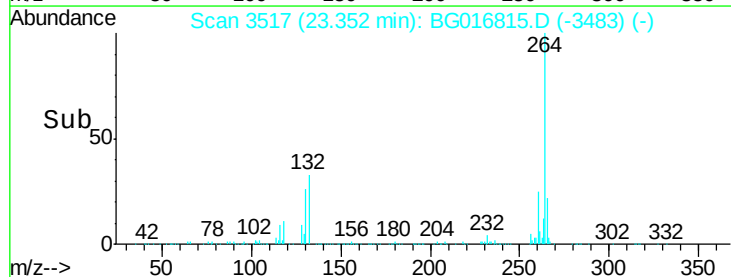
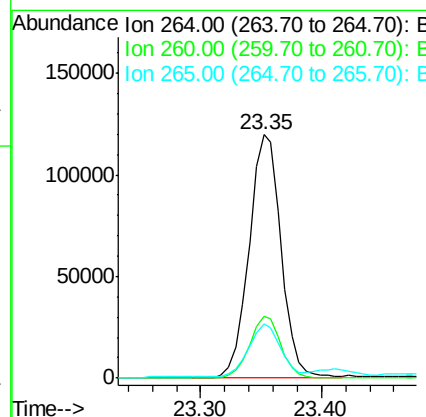
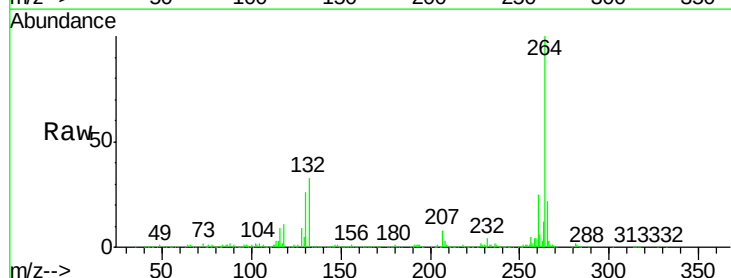
Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

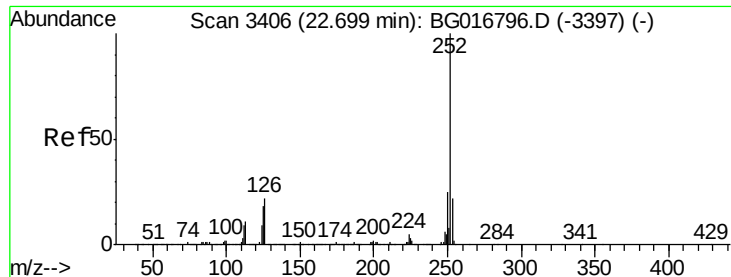
Tgt Ion	Ratio	Lower	Upper
276	100		
138	40.0	37.0	55.6
277	24.7	21.4	32.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.35 min Scan# 3517
 Delta R.T. -0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	22.4	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 46.59 ng

RT: 22.70 min Scan# 3406

Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

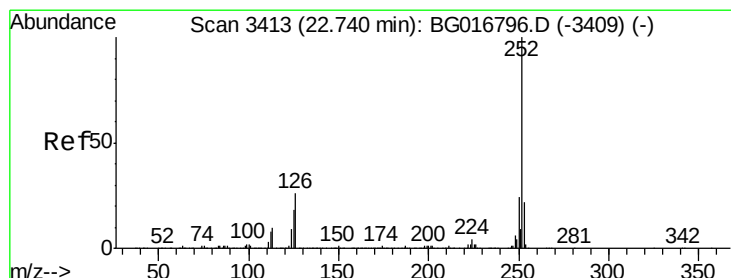
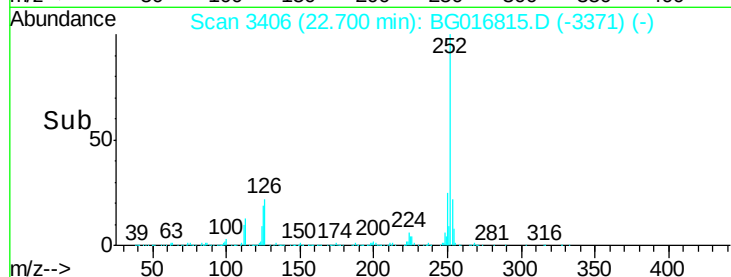
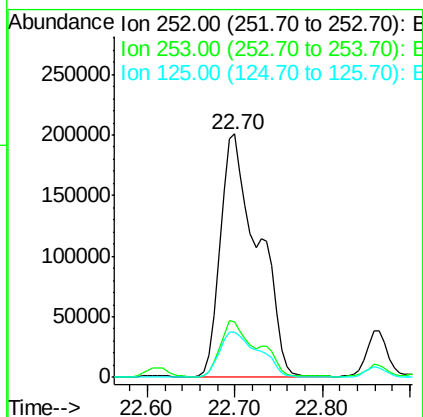
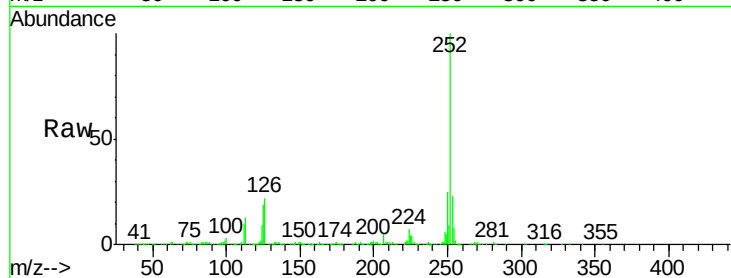
Instrument :

BNA_G

ClientSampleId :

PS-18-0-2DL

Tgt Ion:	252	Resp:	589590
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	18.5	14.2	21.2



#88

Benzo(k)fluoranthene

Concen: 47.58 ng

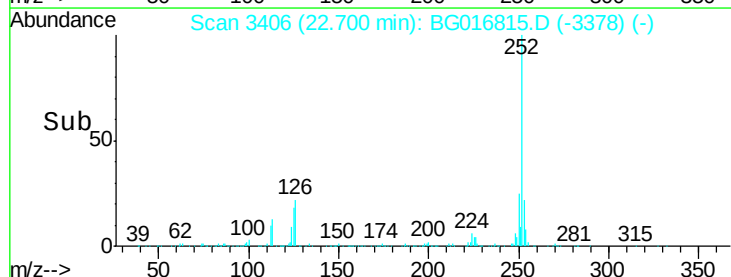
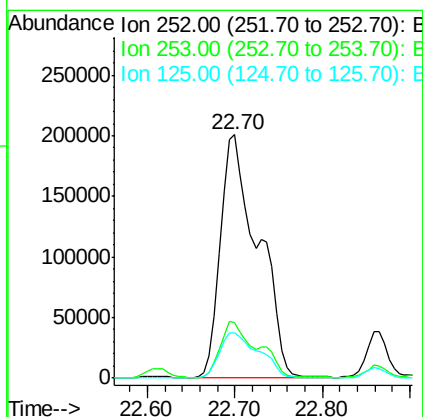
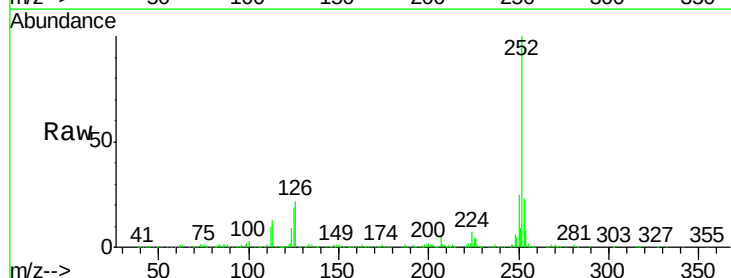
RT: 22.70 min Scan# 3406

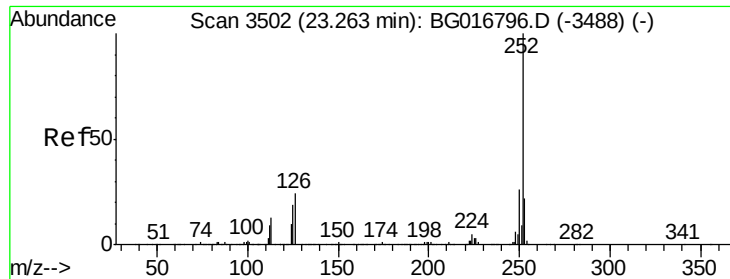
Delta R.T. -0.04 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	252	Resp:	589590
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	18.5	14.5	21.7





#89

Benzo(a)pyrene

Concen: 28.32 ng

RT: 23.26 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

ClientSampleId :

PS-18-0-2DL

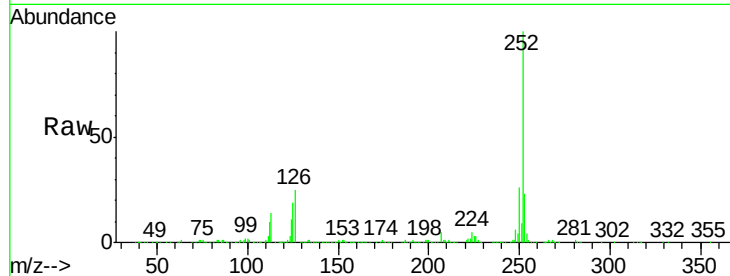
Tgt Ion: 252 Resp: 339345

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

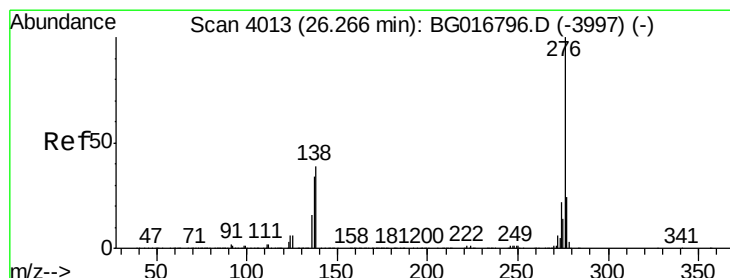
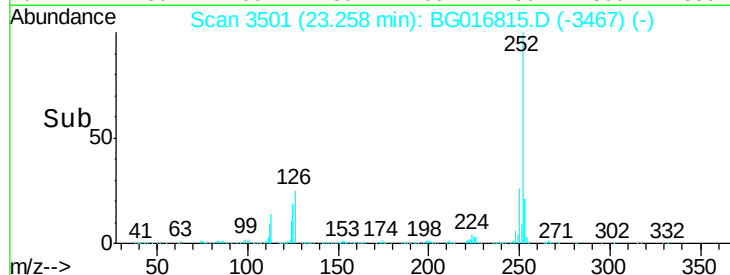
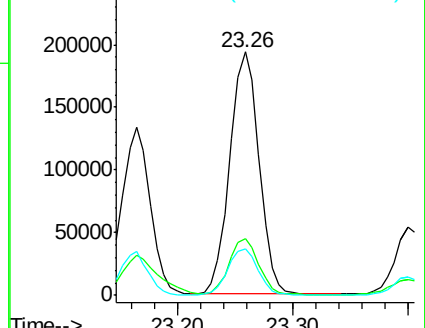
125 19.2 15.0 22.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 16.90 ng

RT: 26.26 min Scan# 4012

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

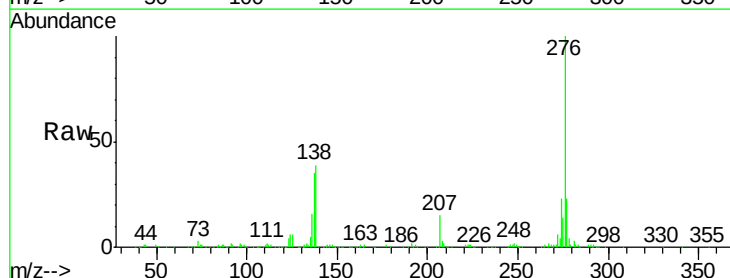
Tgt Ion: 276 Resp: 205380

Ion Ratio Lower Upper

276 100

277 23.5 19.6 29.4

138 39.1 31.0 46.4



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

