

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
 Data File : BG016823.D
 Acq On : 30 Apr 2015 7:16
 Operator : TP/IZ
 Sample : G2031-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB1

Quant Time: Apr 30 08:01:34 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 07:39:35 2015
 Response via : Initial Calibration

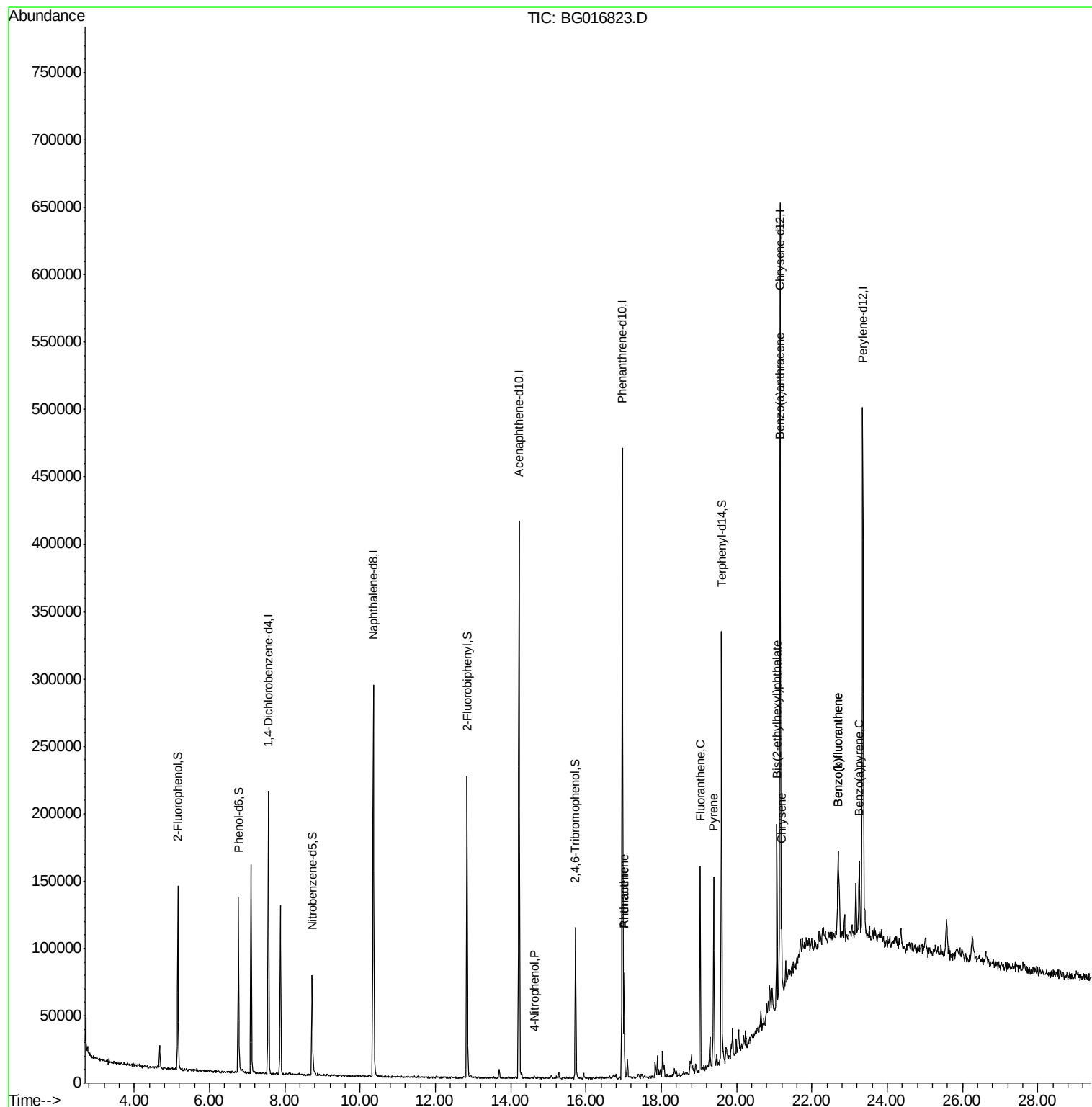
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	62945	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	269709	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	145892	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	268489	20.00	ng	0.00
75) Chrysene-d12	21.15	240	229007	20.00	ng	0.00
86) Perylene-d12	23.36	264	226307	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	73572	21.53	ng	0.00
7) Phenol-d6	6.77	99	96562	20.13	ng	0.00
23) Nitrobenzene-d5	8.73	82	50177	12.12	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	18381	16.92	ng	0.00
44) 2-Fluorobiphenyl	12.83	172	127325	13.51	ng	0.00
78) Terphenyl-d14	19.60	244	131376	13.84	ng	0.00
Target Compounds						
55) 4-Nitrophenol	14.63	139	281	6.36	ng	Qvalue # 22
70) Phenanthrene	17.01	178	45706	3.15	ng	98
71) Anthracene	17.01	178	45706	3.15	ng	98
74) Fluoranthene	19.03	202	83998	5.38	ng	97
77) Pyrene	19.40	202	82478	5.51	ng	99
80) Benzo(a)anthracene	21.14	228	38934	2.94	ng	97
82) Chrysene	21.19	228	35810	2.86	ng	95
83) Bis(2-ethylhexyl)phthalate	21.07	149	48197	4.59	ng	95
87) Benzo(b)fluoranthene	22.69	252	44017	3.42	ng	# 92
88) Benzo(k)fluoranthene	22.69	252	44017	3.49	ng	# 91
89) Benzo(a)pyrene	23.26	252	33204	2.72	ng	# 94

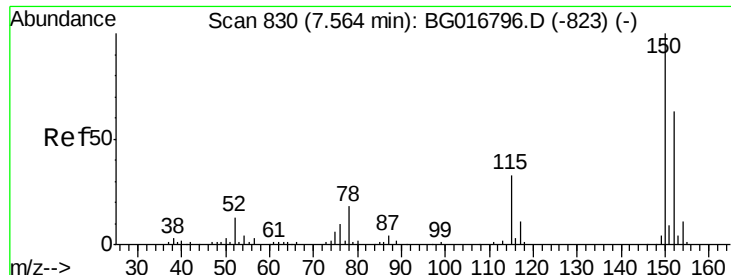
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 830

Delta R.T. 0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

Instrument :

BNA_G

ClientSampleId :

SB1

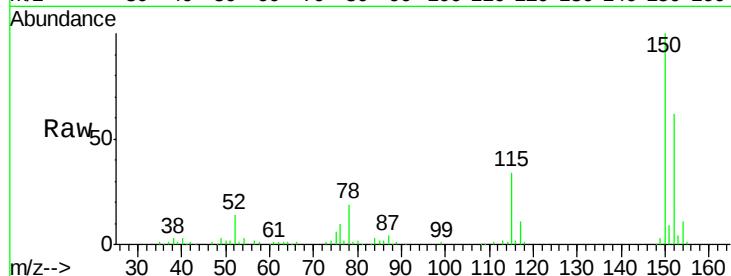
Tgt Ion:152 Resp: 62945

Ion Ratio Lower Upper

152 100

150 160.0 126.2 189.4

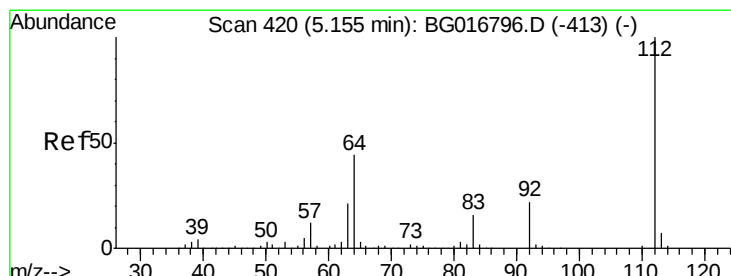
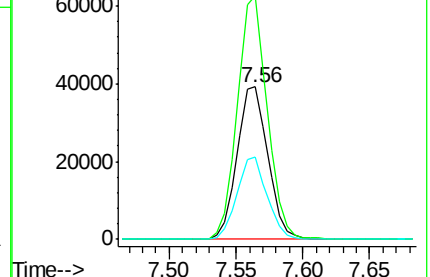
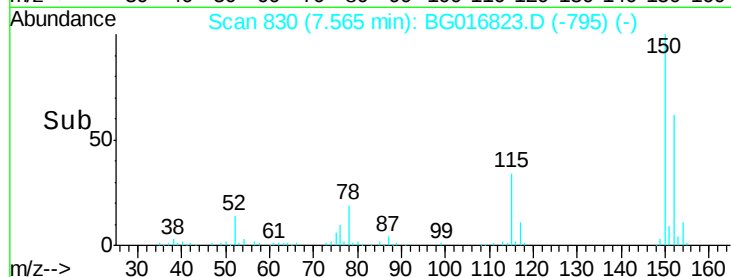
115 54.3 41.1 61.7



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: 21.53 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

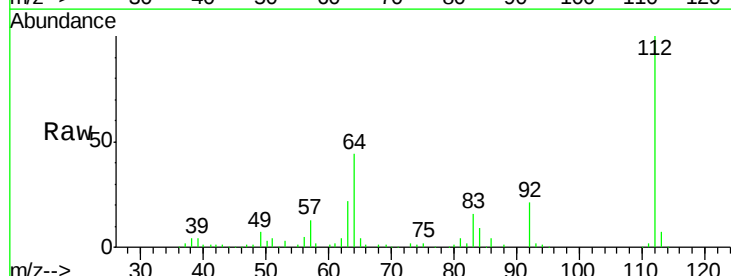
Tgt Ion:112 Resp: 73572

Ion Ratio Lower Upper

112 100

64 43.8 35.5 53.3

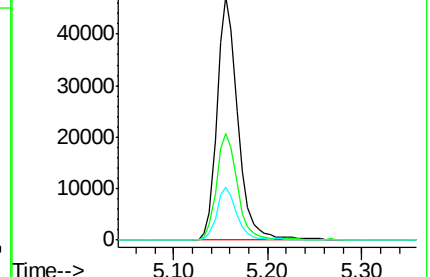
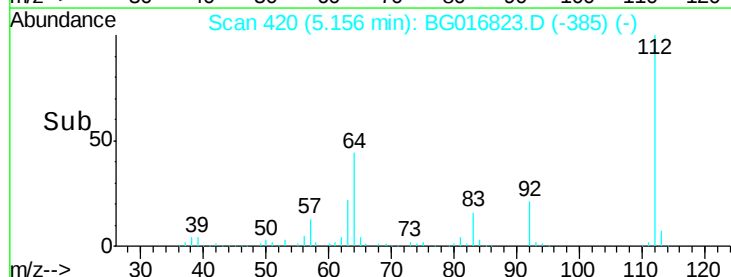
63 21.9 17.2 25.8

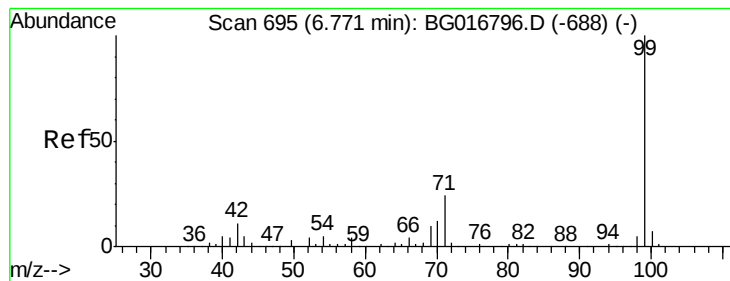


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 20.13 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

Instrument :

BNA_G

ClientSampleId :

SB1

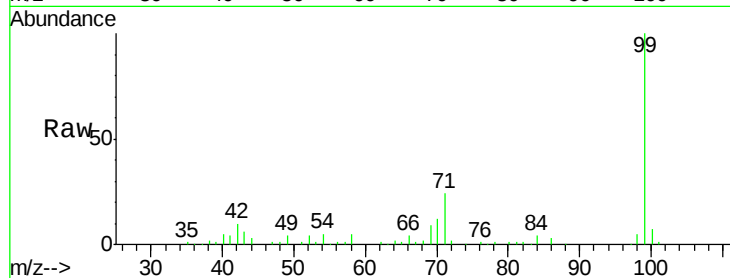
Tgt Ion: 99 Resp: 96562

Ion Ratio Lower Upper

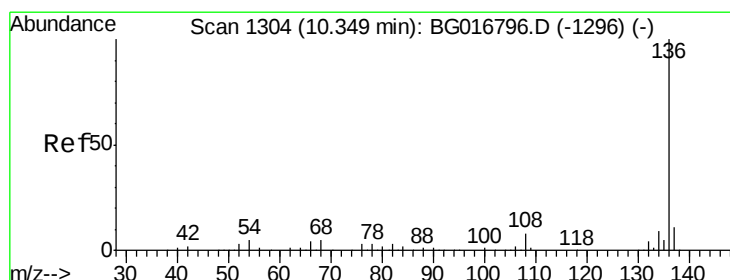
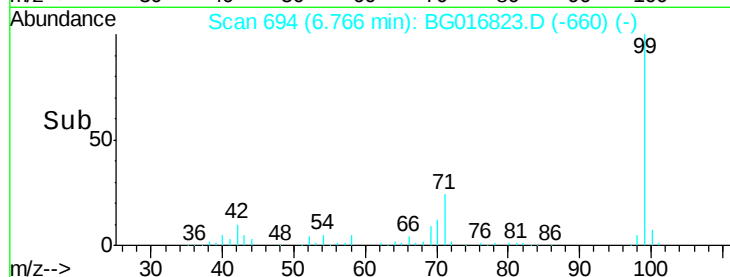
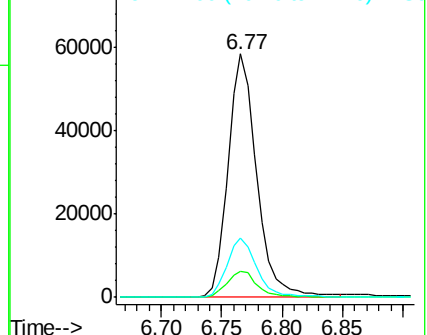
99 100

42 10.5 8.9 13.3

71 24.1 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: BG016823.D

Acq: 30 Apr 2015 7:16

Tgt Ion: 136 Resp: 269709

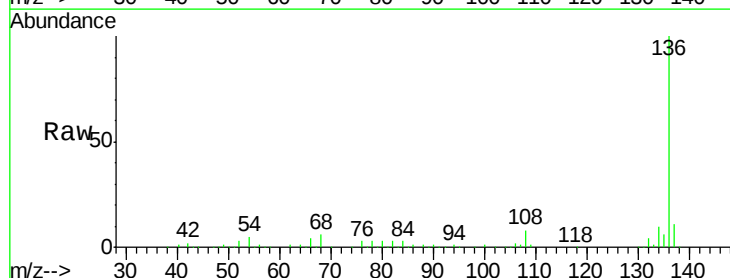
Ion Ratio Lower Upper

136 100

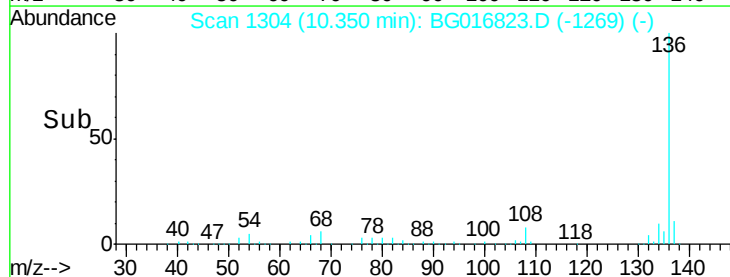
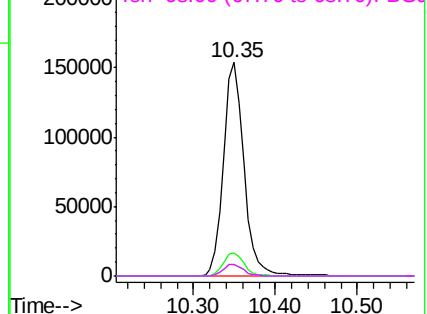
137 11.0 8.6 12.8

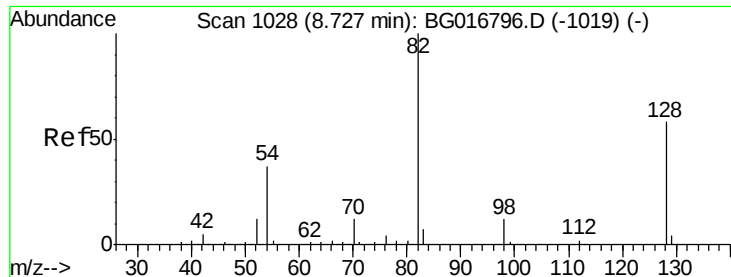
54 5.5 4.3 6.5

68 5.6 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

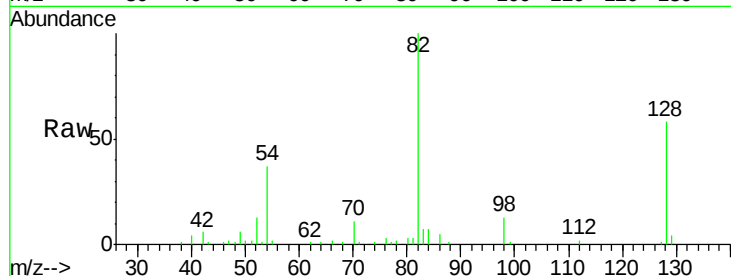




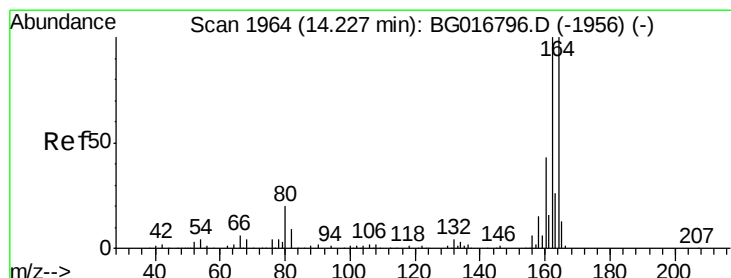
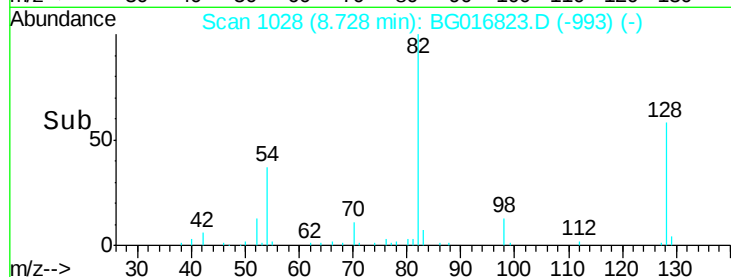
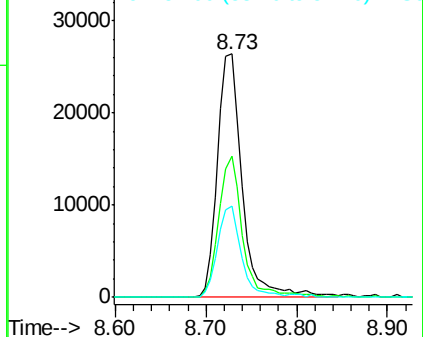
#23
 Nitrobenzene-d5
 Concen: 12.12 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG016823.D
 Acq: 30 Apr 2015 7:16

Instrument :
 BNA_G
 ClientSampleId :
 SB1

Tgt Ion: 82 Resp: 50177
 Ion Ratio Lower Upper
 82 100
 128 57.7 46.3 69.5
 54 37.3 30.0 45.0

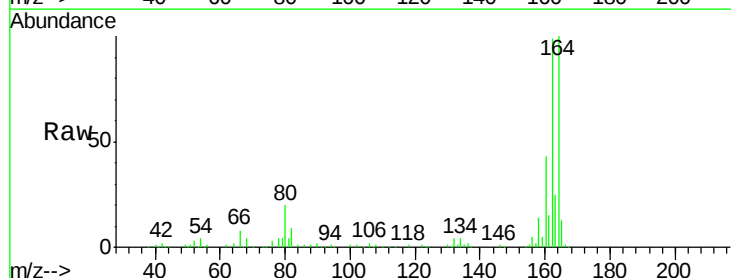


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

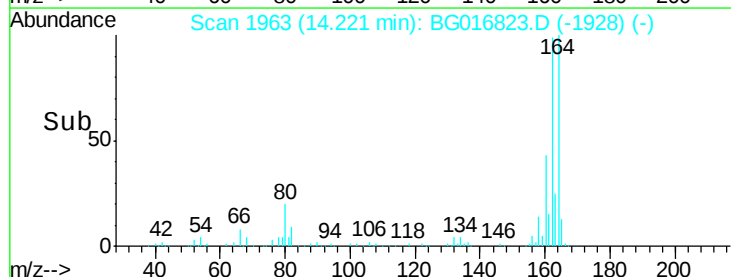
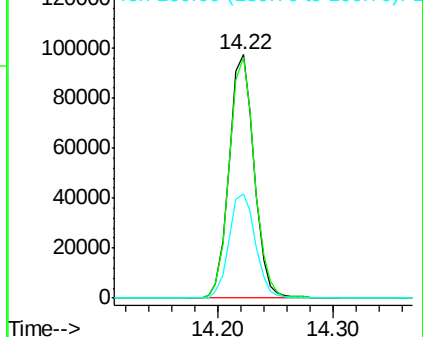


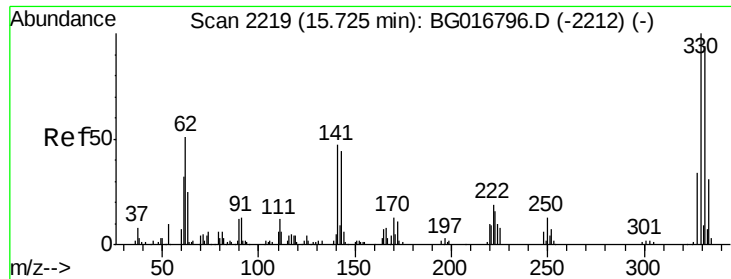
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BG016823.D
 Acq: 30 Apr 2015 7:16

Tgt Ion: 164 Resp: 145892
 Ion Ratio Lower Upper
 164 100
 162 99.1 80.2 120.4
 160 42.9 34.8 52.2



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

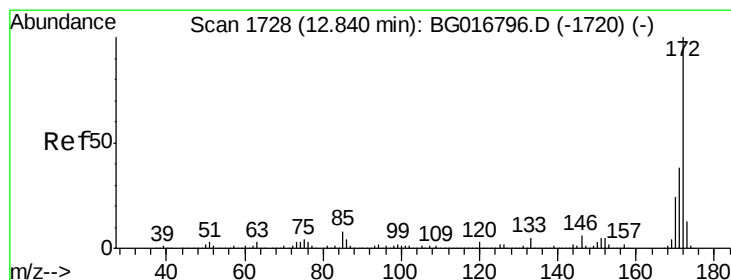
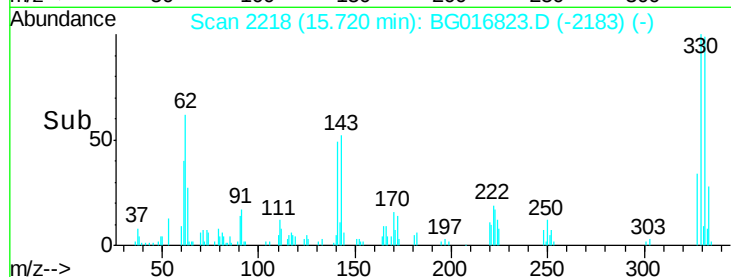
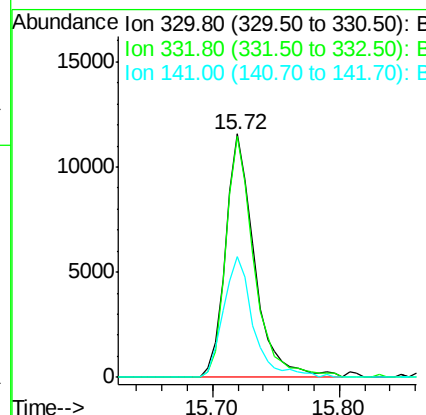
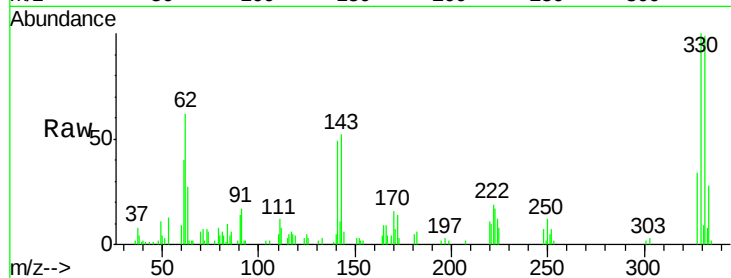




#41
 2,4,6-Tribromophenol
 Concen: 16.92 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG016823.D
 Acq: 30 Apr 2015 7:16

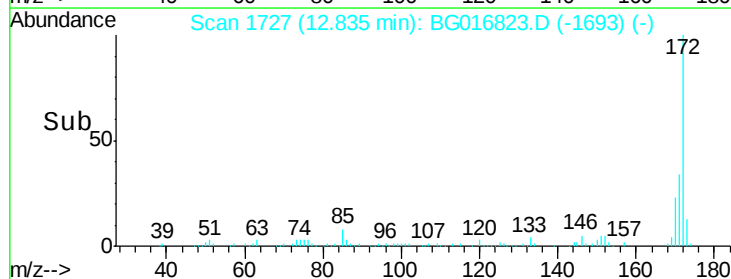
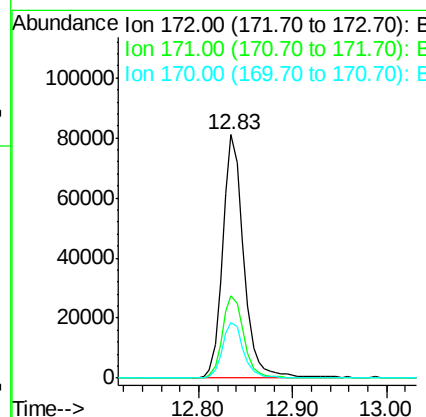
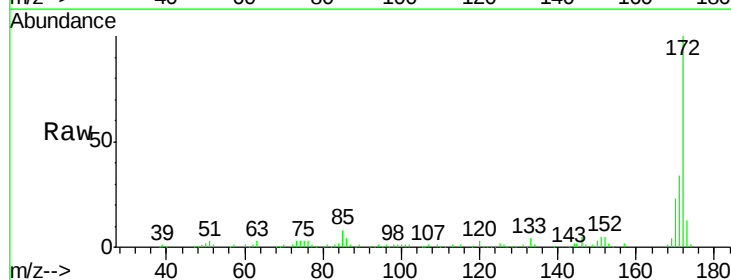
Instrument :
 BNA_G
 ClientSampleId :
 SB1

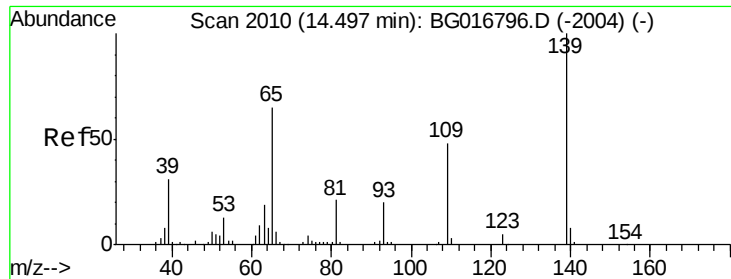
Tgt Ion: 330 Resp: 18381
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.3 112.9
 141 50.8 40.7 61.1



#44
 2-Fluorobiphenyl
 Concen: 13.51 ng
 RT: 12.83 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG016823.D
 Acq: 30 Apr 2015 7:16

Tgt Ion: 172 Resp: 127325
 Ion Ratio Lower Upper
 172 100
 171 33.9 30.2 45.4
 170 22.6 19.4 29.0

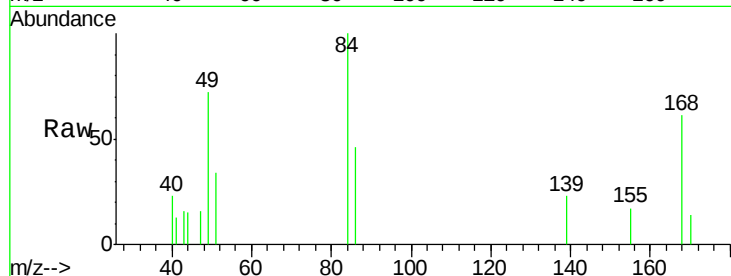




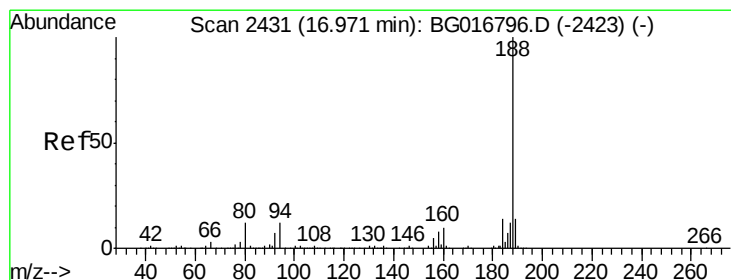
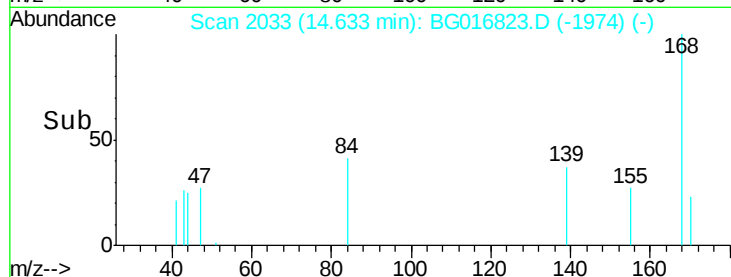
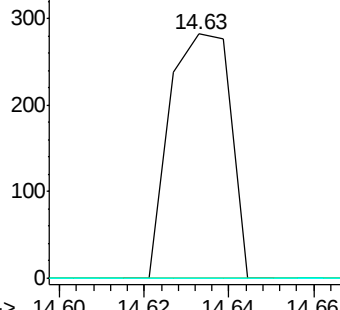
#55
4-Nitrophenol
Concen: 6.36 ng
RT: 14.63 min Scan# 2033
Delta R.T. 0.14 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

Instrument :
BNA_G
ClientSampleId :
SB1

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

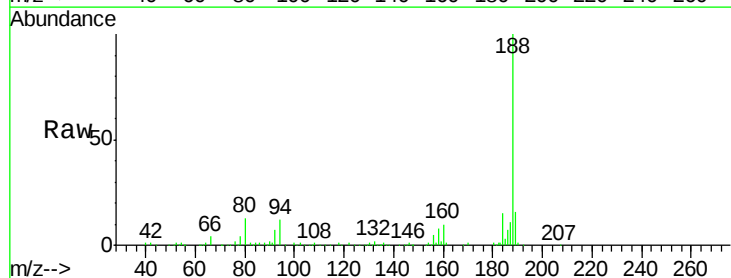


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

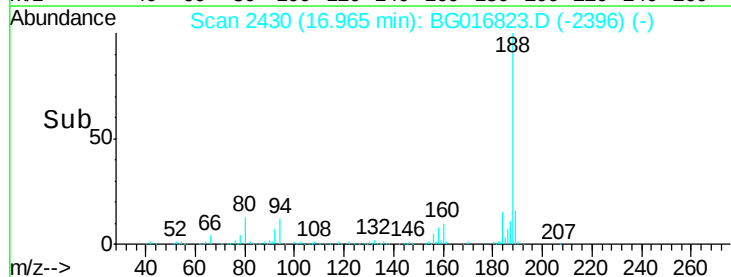
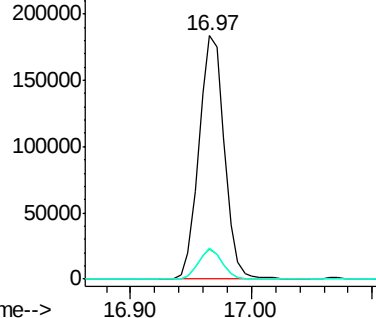


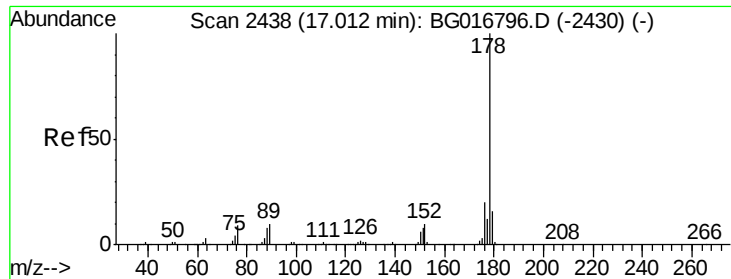
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.5	14.3
80	12.9	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: 3.15 ng

RT: 17.01 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

Instrument :

BNA_G

ClientSampleId :

SB1

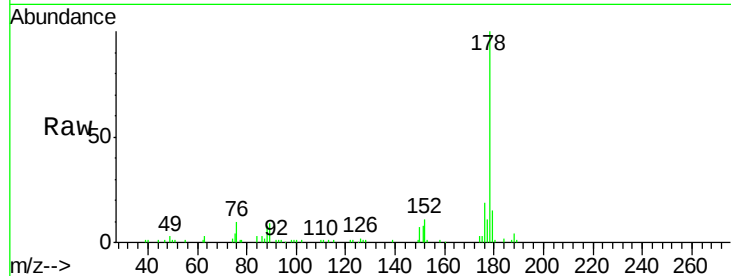
Tgt Ion:178 Resp: 45706

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

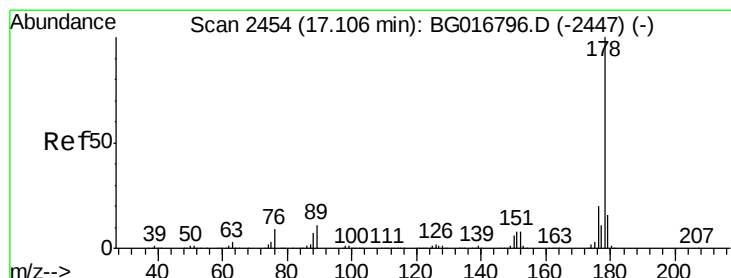
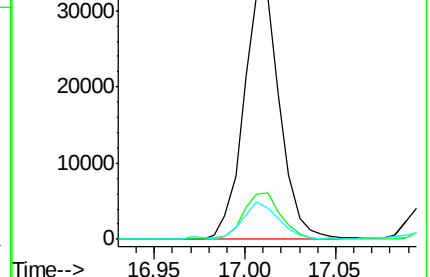
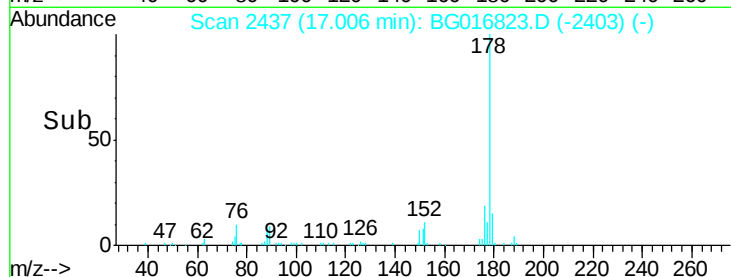
179 15.2 12.7 19.1



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: 3.15 ng

RT: 17.01 min Scan# 2437

Delta R.T. -0.10 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

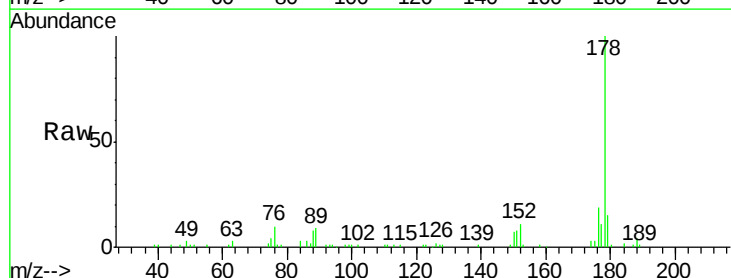
Tgt Ion:178 Resp: 45706

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

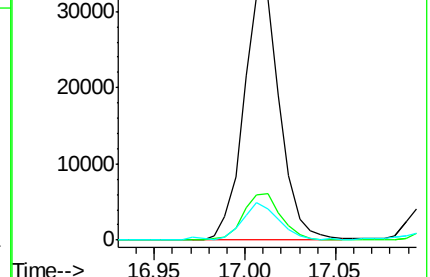
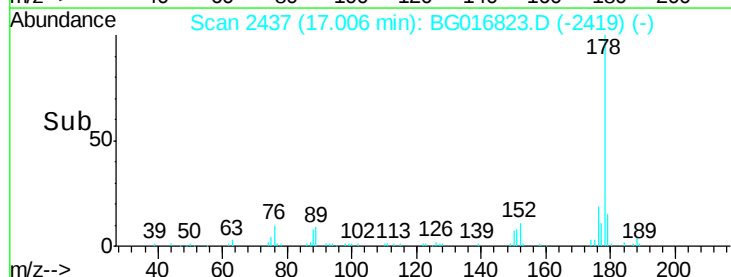
179 15.2 12.6 18.8

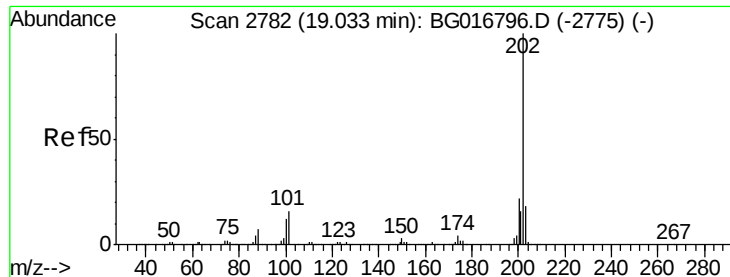


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.38 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

Instrument :

BNA_G

ClientSampleId :

SB1

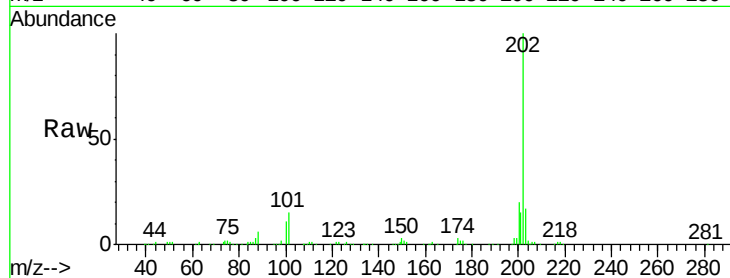
Tgt Ion:202 Resp: 83998

Ion Ratio Lower Upper

202 100

101 14.7 0.0 36.2

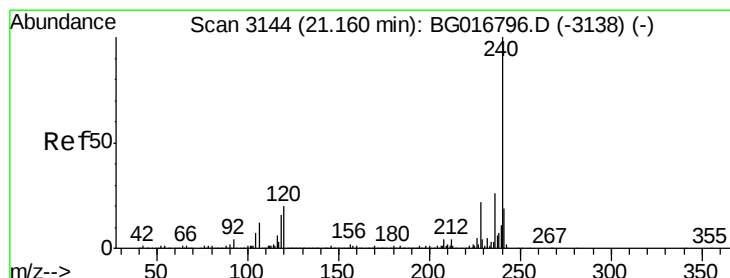
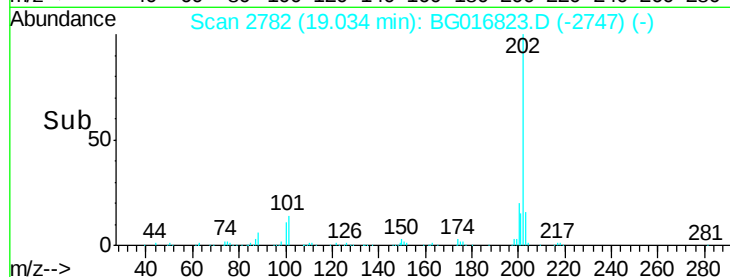
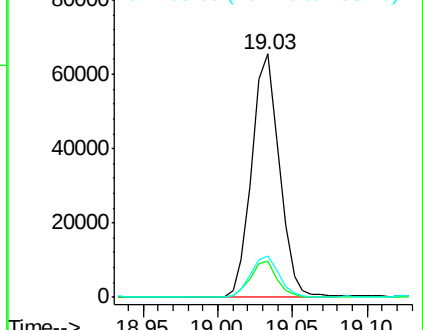
203 16.8 0.0 37.6



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: 21.15 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

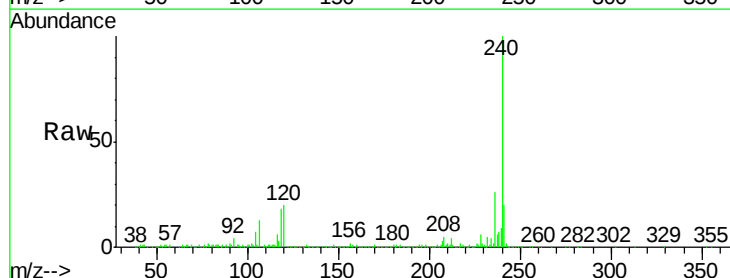
Tgt Ion:240 Resp: 229007

Ion Ratio Lower Upper

240 100

120 19.7 16.1 24.1

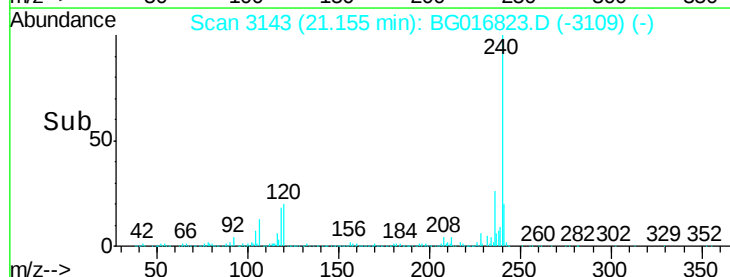
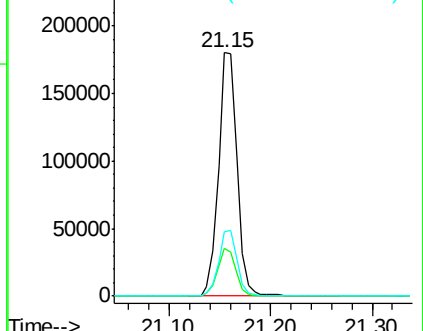
236 26.4 21.0 31.6

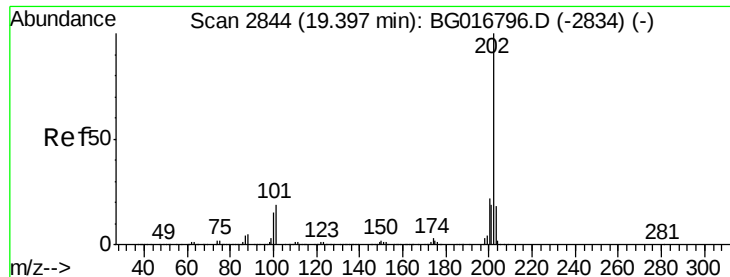


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.51 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

Instrument :

BNA_G

ClientSampleId :

SB1

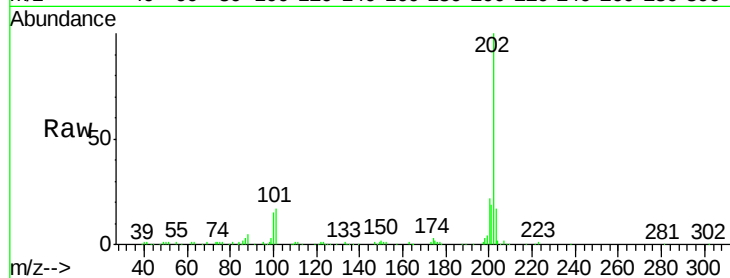
Tgt Ion:202 Resp: 82478

Ion Ratio Lower Upper

202 100

200 21.7 17.3 25.9

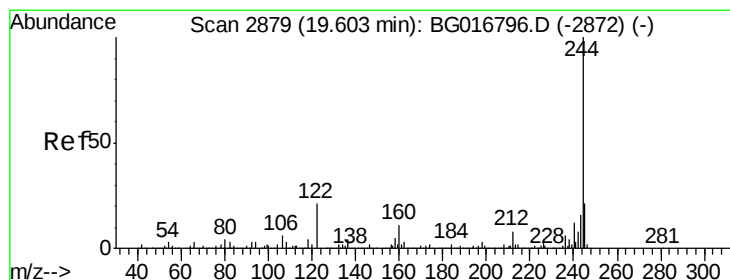
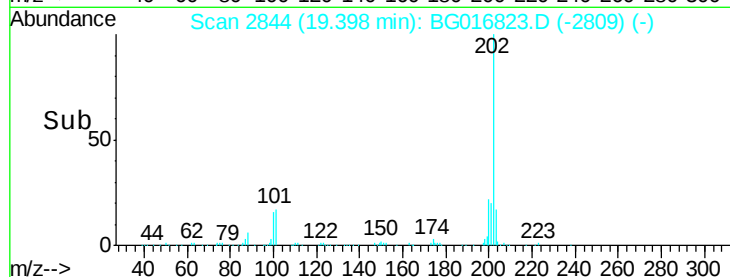
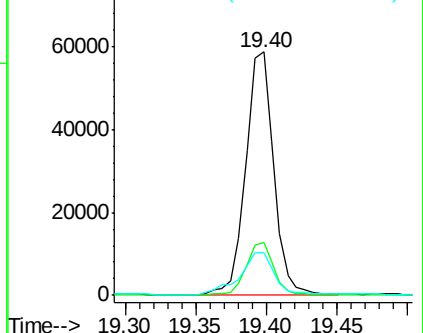
203 17.3 14.6 22.0



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: 13.84 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

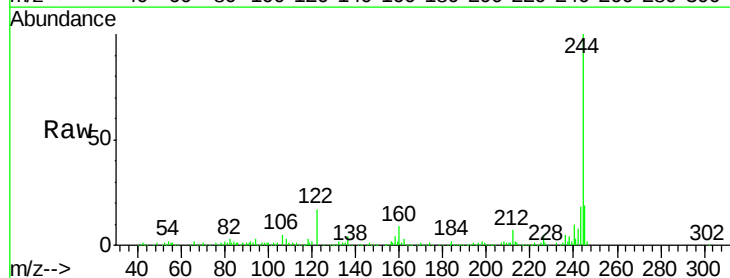
Tgt Ion:244 Resp: 131376

Ion Ratio Lower Upper

244 100

212 6.8 6.4 9.6

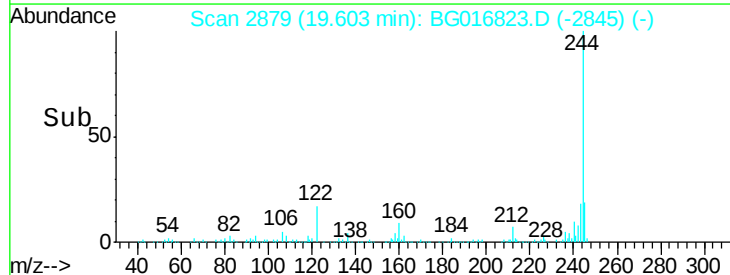
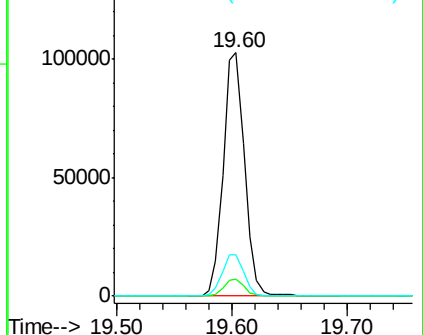
122 17.2 16.4 24.6

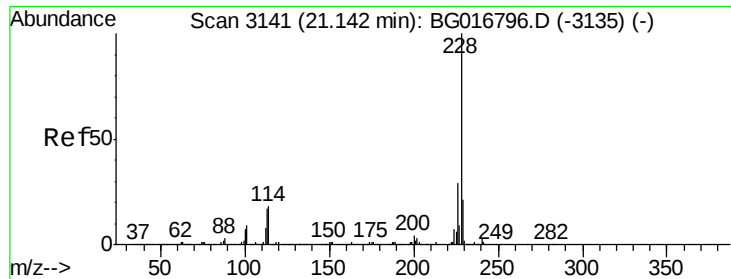


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

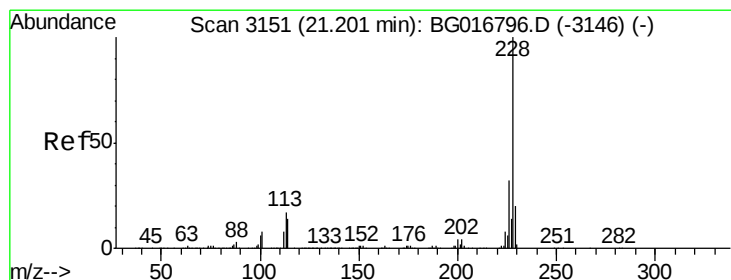
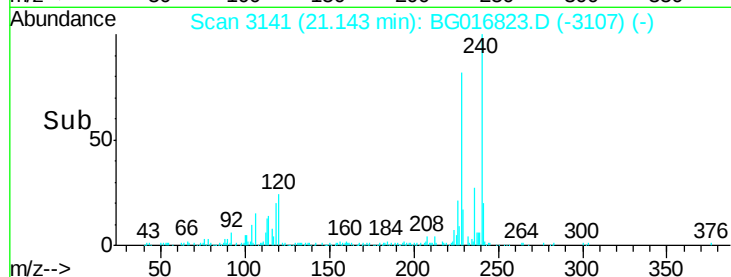
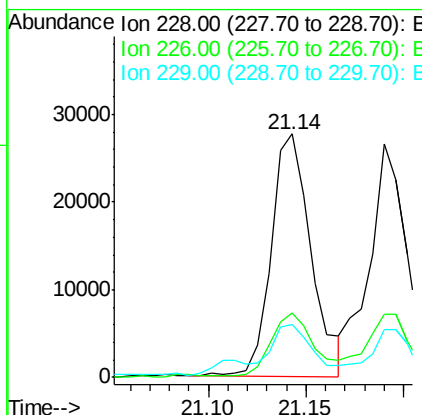
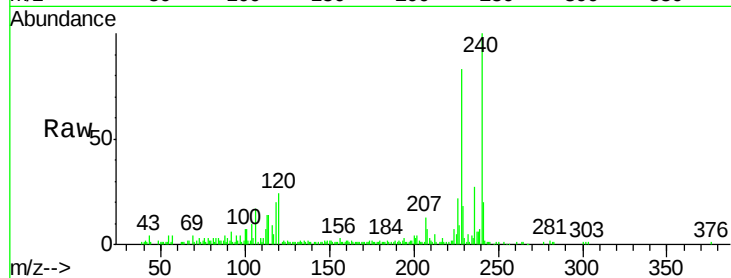




#80
Benzo(a)anthracene
Concen: 2.94 ng
RT: 21.14 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

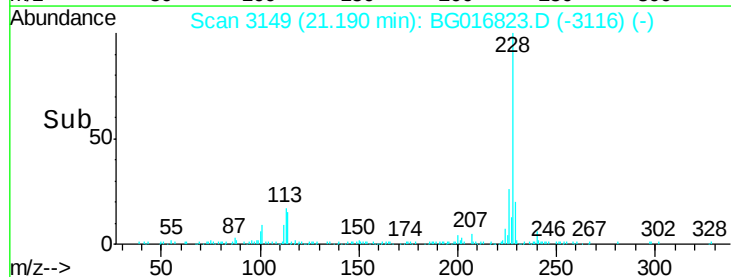
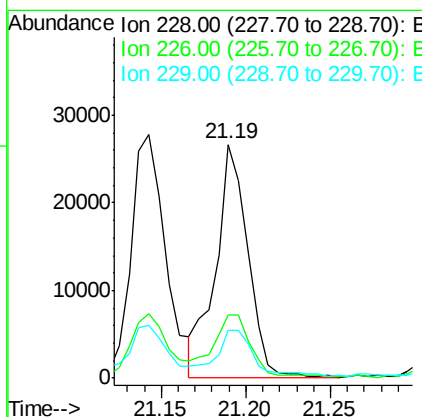
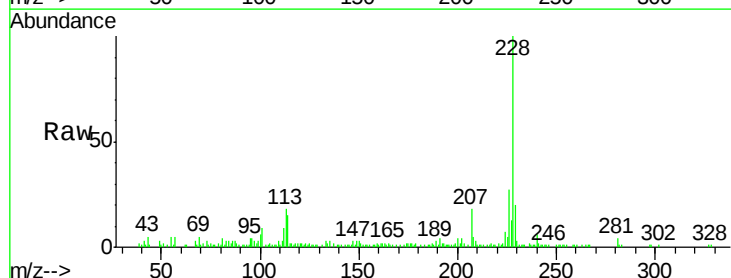
Instrument :
BNA_G
ClientSampleId :
SB1

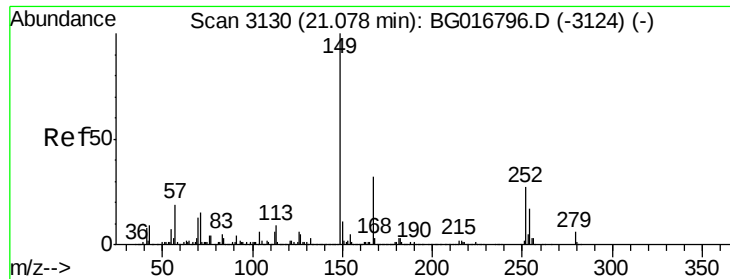
Tgt Ion:228 Resp: 38934
Ion Ratio Lower Upper
228 100
226 26.5 23.4 35.0
229 21.9 17.0 25.6



#82
Chrysene
Concen: 2.86 ng
RT: 21.19 min Scan# 3149
Delta R.T. -0.01 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

Tgt Ion:228 Resp: 35810
Ion Ratio Lower Upper
228 100
226 27.0 25.1 37.7
229 20.4 16.1 24.1

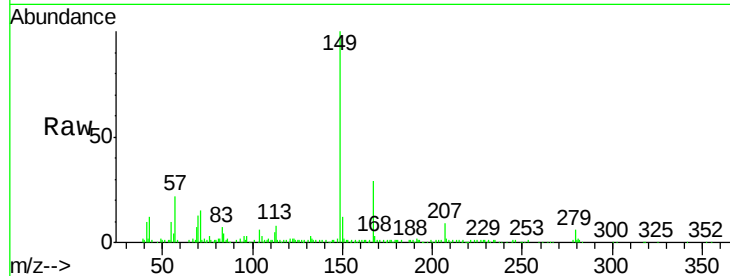




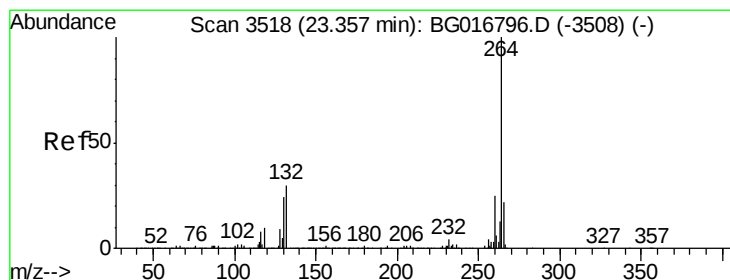
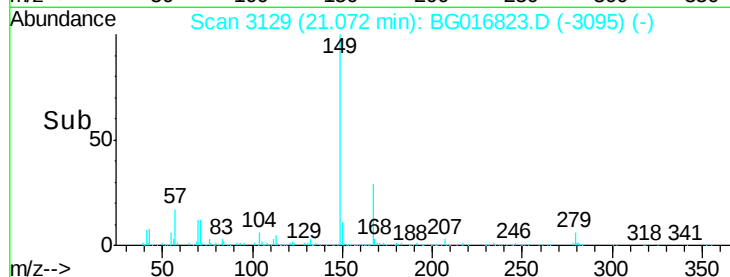
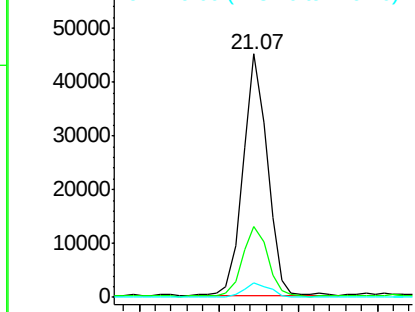
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.59 ng
RT: 21.07 min Scan# 3129
Delta R.T. -0.00 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

Instrument :
BNA_G
ClientSampleId :
SB1

Tgt Ion:149 Resp: 48197
Ion Ratio Lower Upper
149 100
167 28.9 25.9 38.9
279 5.9 5.0 7.4

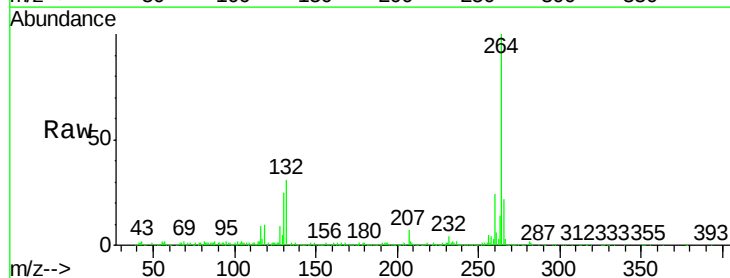


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

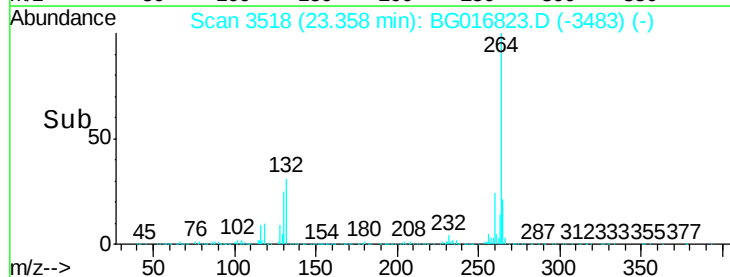
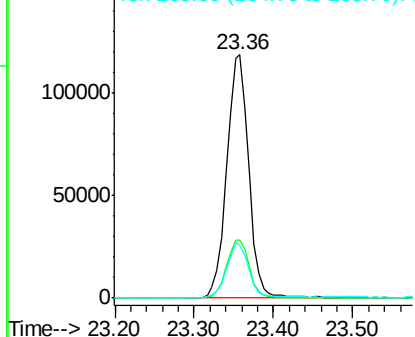


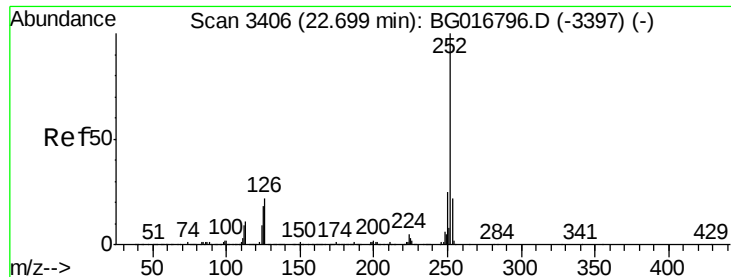
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

Tgt Ion:264 Resp: 226307
Ion Ratio Lower Upper
264 100
260 23.8 19.7 29.5
265 21.7 17.4 26.2



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

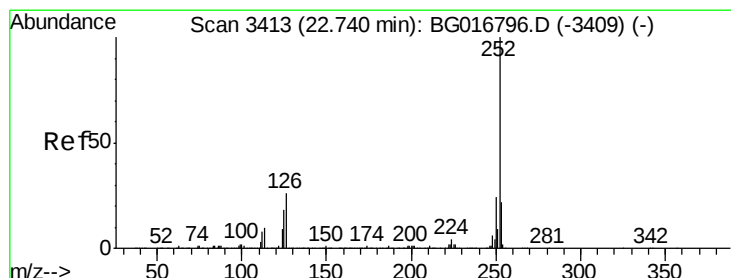
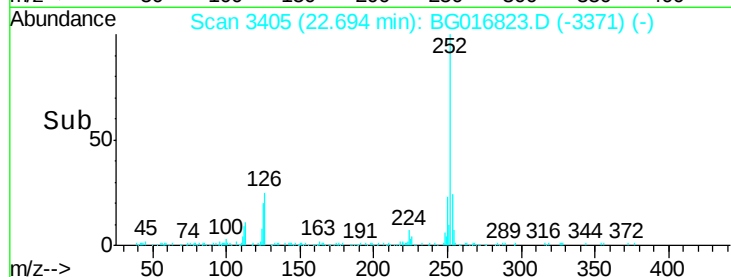
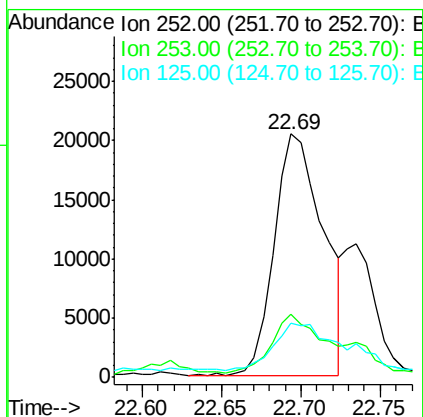
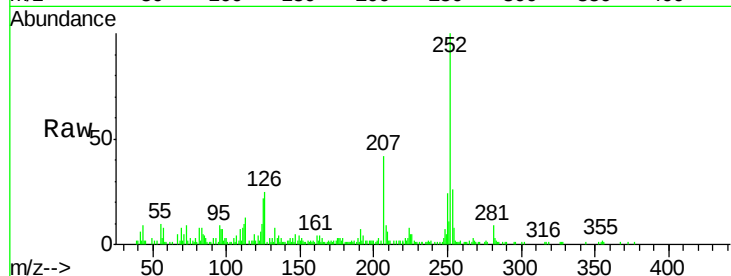




#87
Benzo(b)fluoranthene
Concen: 3.42 ng
RT: 22.69 min Scan# 3405
Delta R.T. -0.00 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

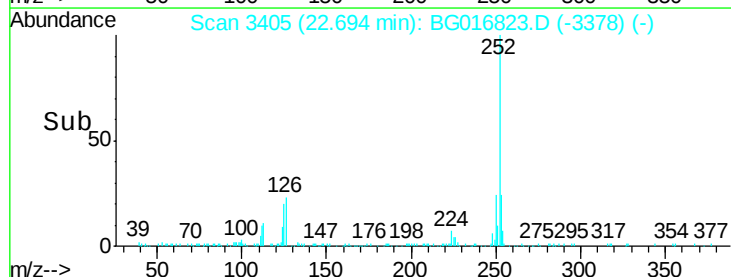
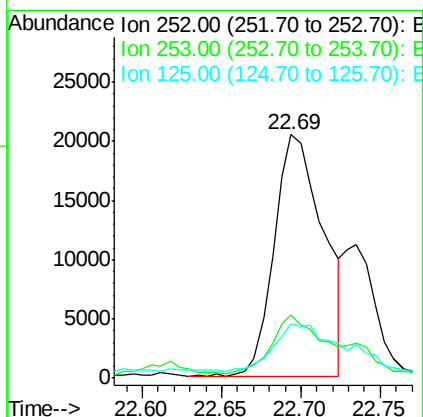
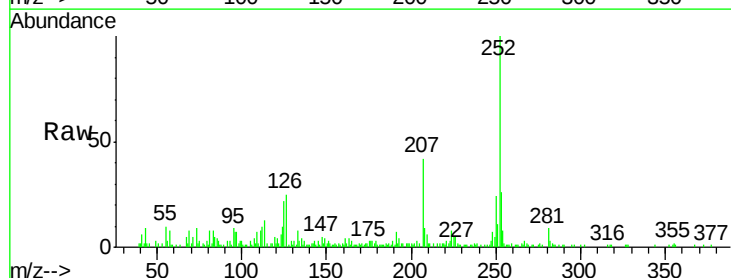
Instrument :
BNA_G
ClientSampleId :
SB1

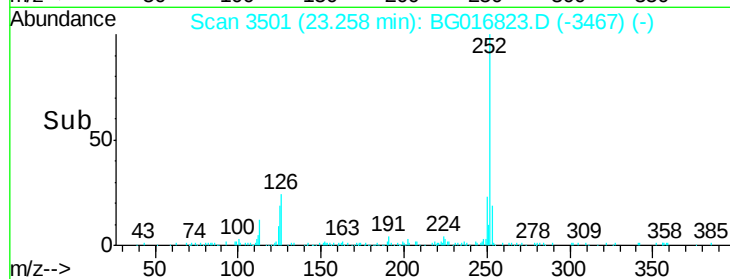
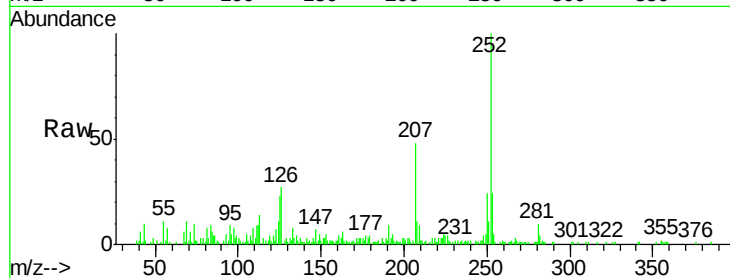
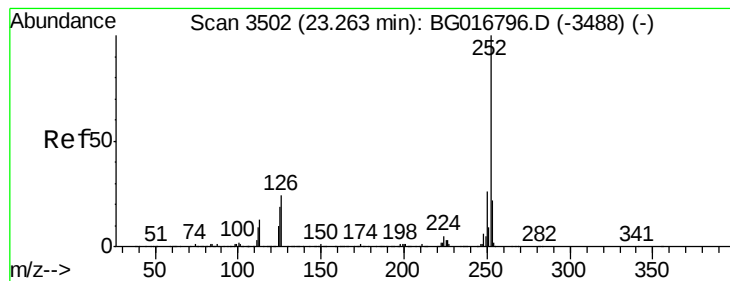
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.0	27.0
125	22.3	14.2	21.2#



#88
Benzo(k)fluoranthene
Concen: 3.49 ng
RT: 22.69 min Scan# 3405
Delta R.T. -0.04 min
Lab File: BG016823.D
Acq: 30 Apr 2015 7:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.7	26.5
125	22.3	14.5	21.7#





#89

Benzo(a)pyrene

Concen: 2.72 ng

RT: 23.26 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG016823.D

Acq: 30 Apr 2015 7:16

Instrument :

BNA_G

ClientSampleId :

SB1

Tgt Ion:252 Resp: 33204

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 23.1 15.0 22.4#

