

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
 Data File : BG016819.D
 Acq On : 30 Apr 2015 4:57
 Operator : TP/IZ
 Sample : G2031-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB4

Quant Time: Apr 30 06:32:28 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

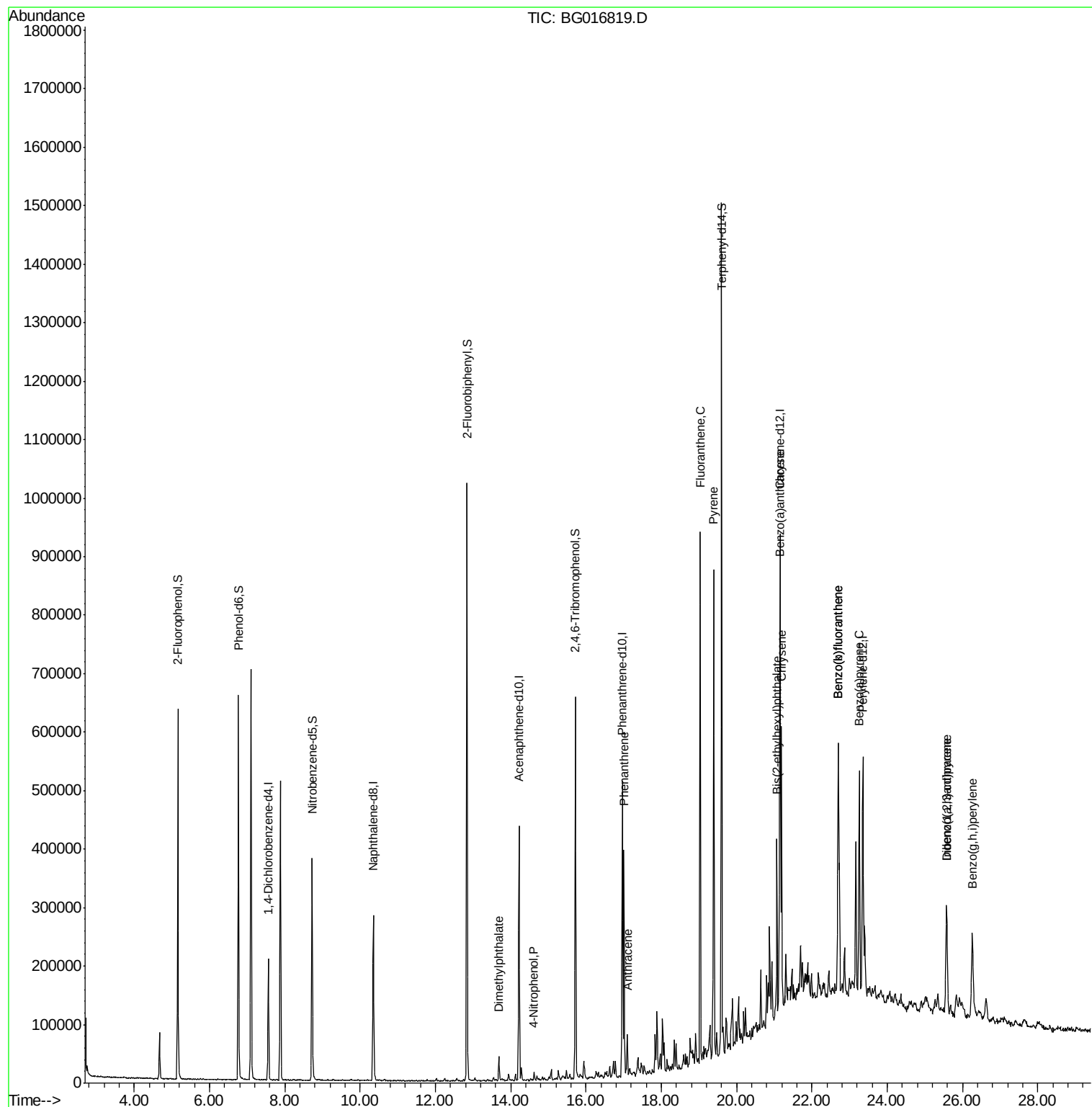
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	59682	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	262653	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	150580	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	282610	20.00	ng	0.00
75) Chrysene-d12	21.16	240	242967	20.00	ng	0.00
86) Perylene-d12	23.36	264	238213	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	322710	99.60	ng	0.00
7) Phenol-d6	6.77	99	447257	98.35	ng	0.00
23) Nitrobenzene-d5	8.72	82	223949	55.54	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	94790	84.52	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	519188	53.38	ng	0.00
78) Terphenyl-d14	19.60	244	528603	52.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.68	163	30419	2.82	ng	97
55) 4-Nitrophenol	14.63	139	1978	7.09	ng	# 29
70) Phenanthrene	17.01	178	216159	14.14	ng	99
71) Anthracene	17.10	178	43540	2.85	ng	98
74) Fluoranthene	19.03	202	486038	29.57	ng	99
77) Pyrene	19.40	202	467350	29.42	ng	99
80) Benzo(a)anthracene	21.14	228	238965	17.02	ng	99
82) Chrysene	21.20	228	227180	17.11	ng	97
83) Bis(2-ethylhexyl)phthalate	21.07	149	113899	10.23	ng	97
85) Indeno(1,2,3-cd)pyrene	25.58	276	145852	9.65	ng	91
87) Benzo(b)fluoranthene	22.70	252	398561	29.39	ng	96
88) Benzo(k)fluoranthene	22.70	252	398561	30.01	ng	96
89) Benzo(a)pyrene	23.26	252	214952	16.74	ng	97
90) Dibenzo(a,h)anthracene	25.58	278	37184	2.87	ng	# 67
91) Benzo(g,h,i)perylene	26.27	276	146965	11.28	ng	99

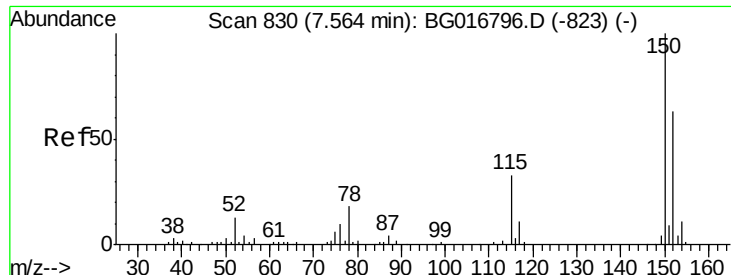
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 829

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampleId :

SB4

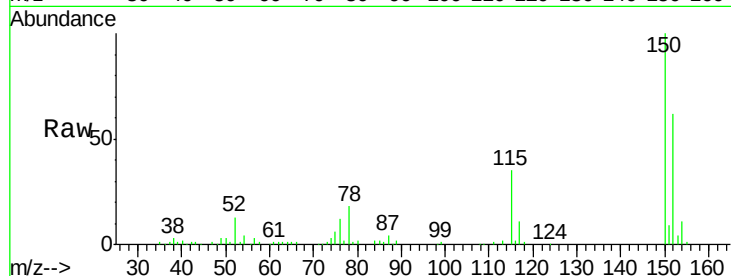
Tgt Ion:152 Resp: 59682

Ion Ratio Lower Upper

152 100

150 161.2 126.2 189.4

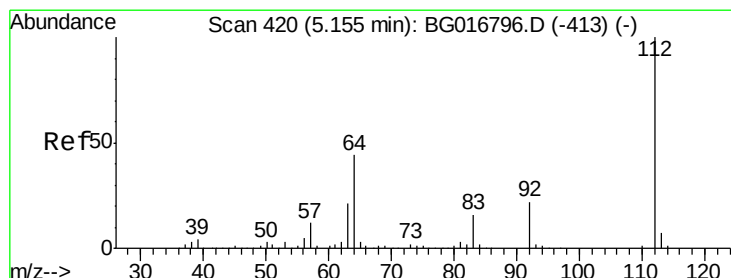
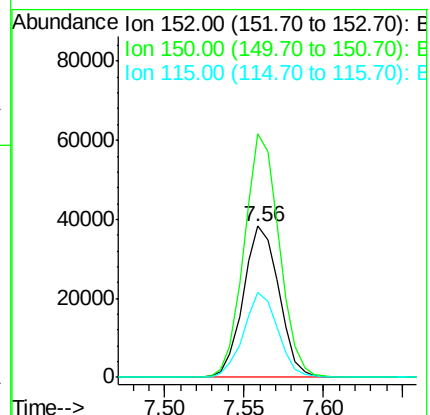
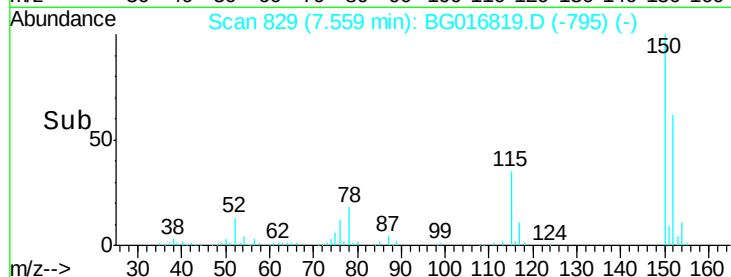
115 56.3 41.1 61.7



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: 99.60 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

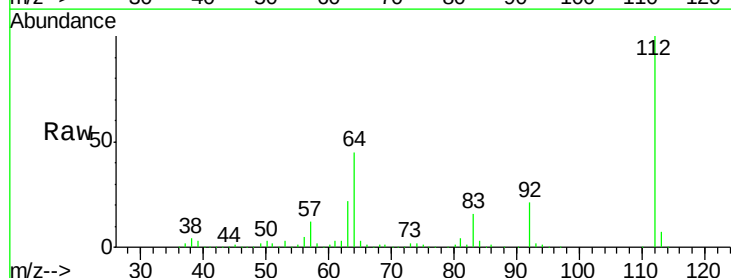
Tgt Ion:112 Resp: 322710

Ion Ratio Lower Upper

112 100

64 44.8 35.5 53.3

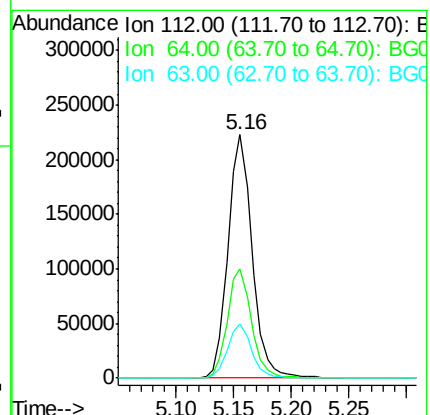
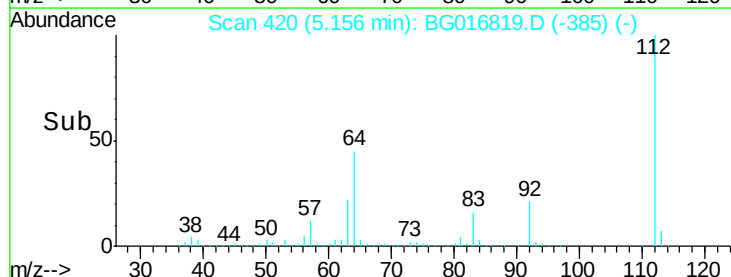
63 22.2 17.2 25.8

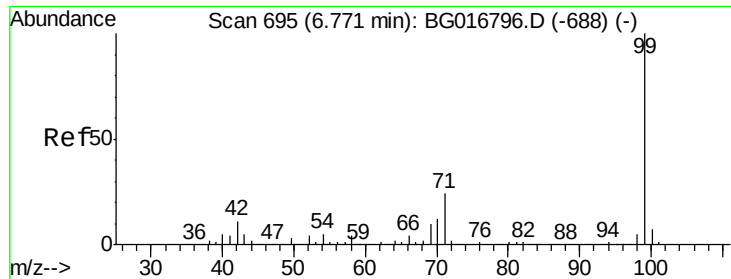


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 98.35 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampleId :

SB4

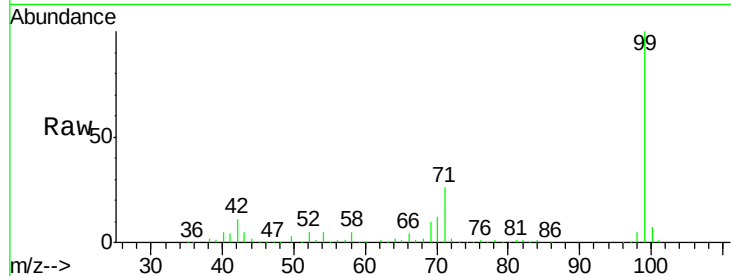
Tgt Ion: 99 Resp: 447257

Ion Ratio Lower Upper

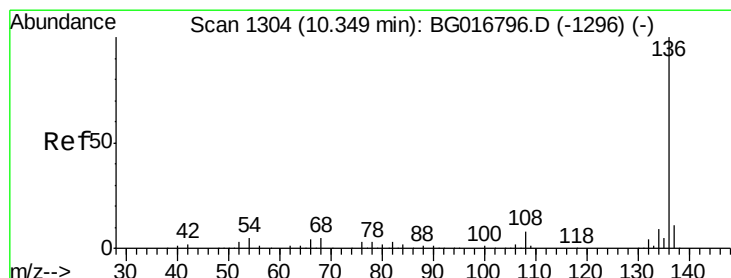
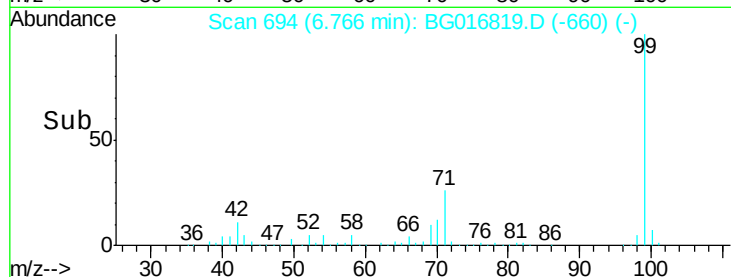
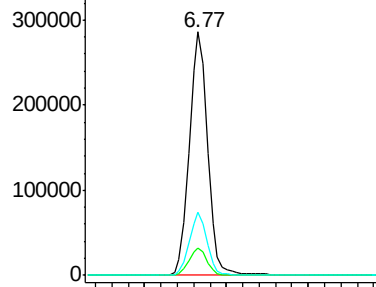
99 100

42 11.4 8.9 13.3

71 26.1 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: BG016819.D

Acq: 30 Apr 2015 4:57

Tgt Ion: 136 Resp: 262653

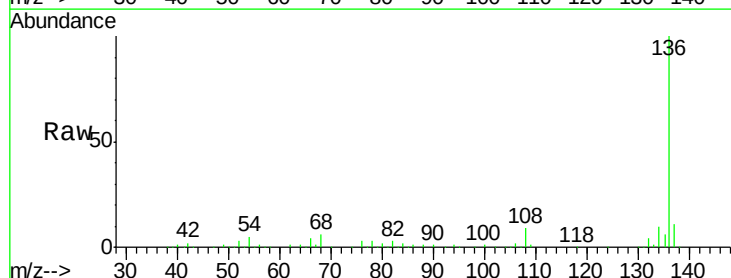
Ion Ratio Lower Upper

136 100

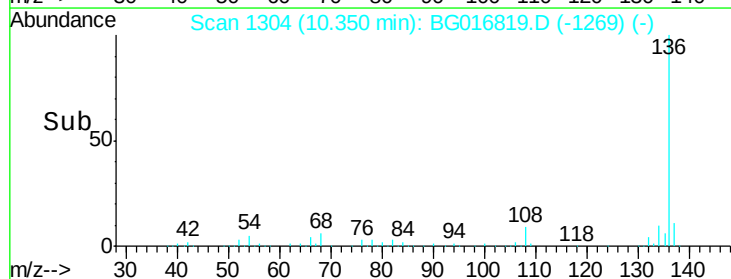
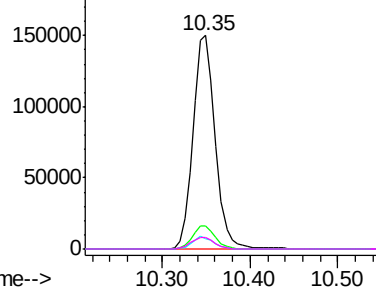
137 10.8 8.6 12.8

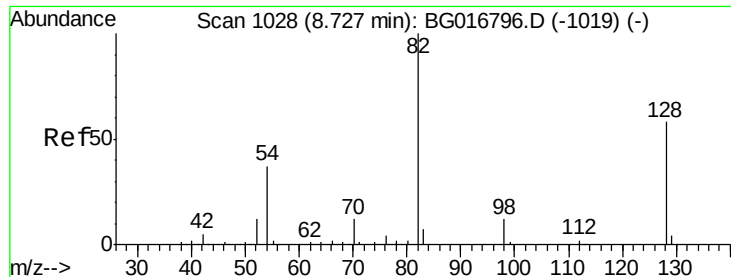
54 5.1 4.3 6.5

68 5.5 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

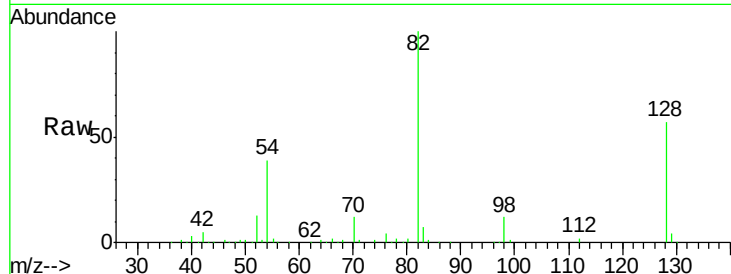




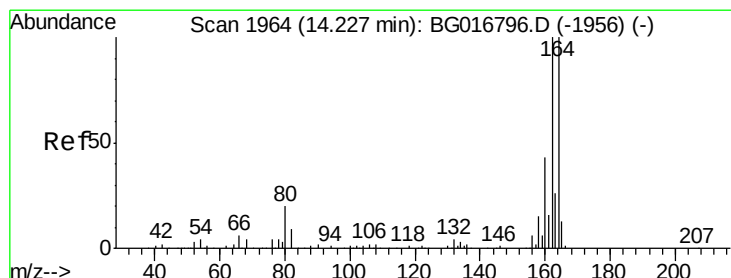
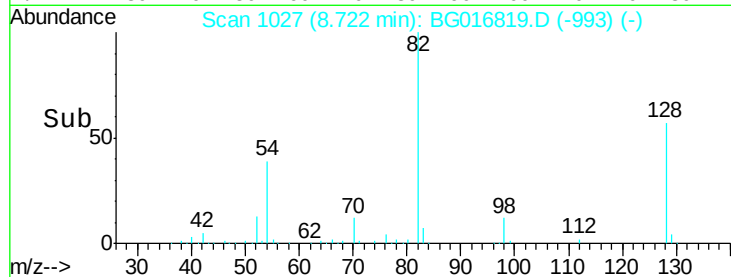
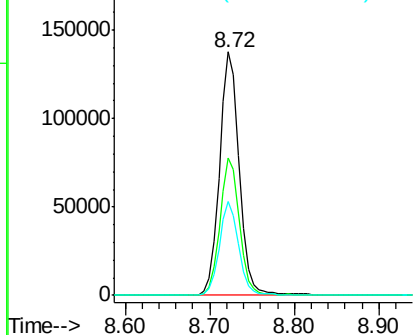
#23
 Nitrobenzene-d5
 Concen: 55.54 ng
 RT: 8.72 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Instrument :
 BNA_G
 ClientSampleId :
 SB4

Tgt Ion	Ratio	Lower	Upper
82	100		
128	56.6	46.3	69.5
54	38.7	30.0	45.0

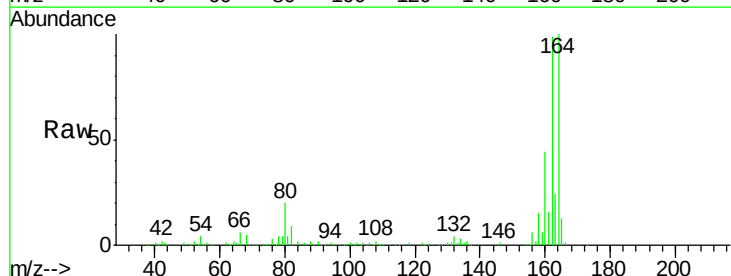


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

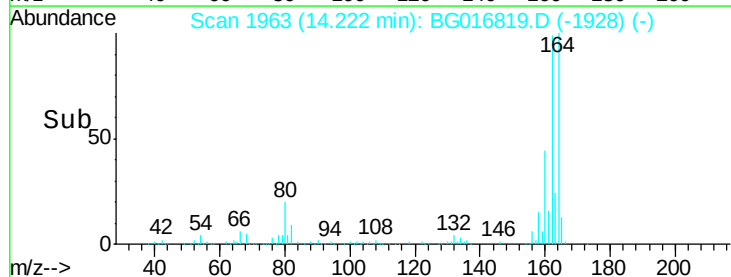
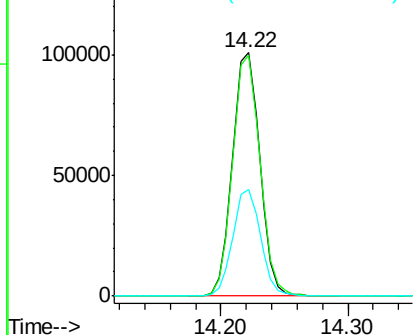


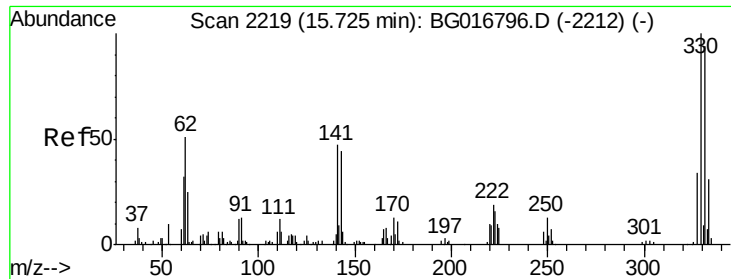
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.2	120.4
160	44.0	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

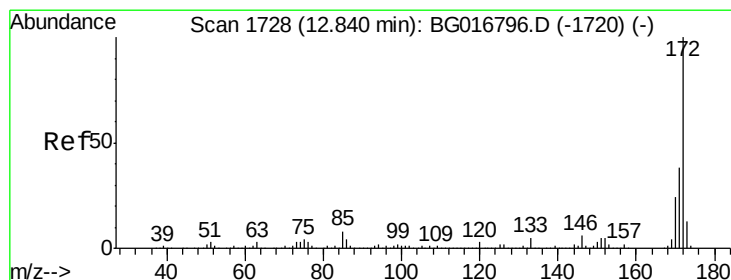
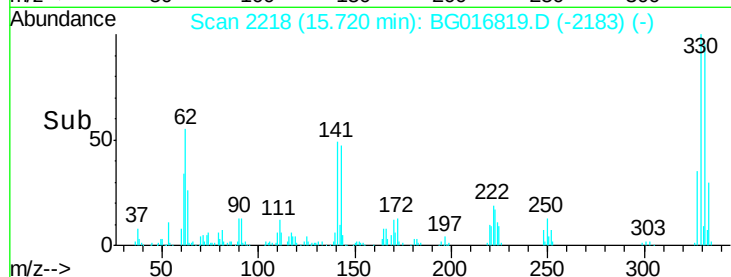
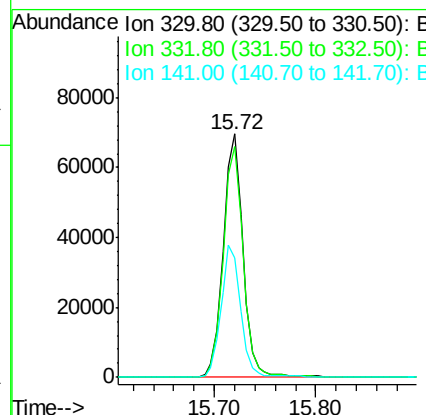
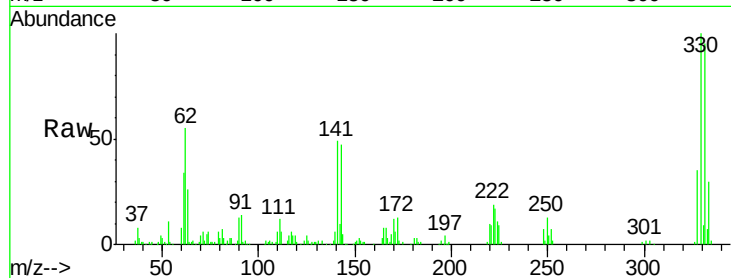




#41
 2,4,6-Tribromophenol
 Concen: 84.52 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

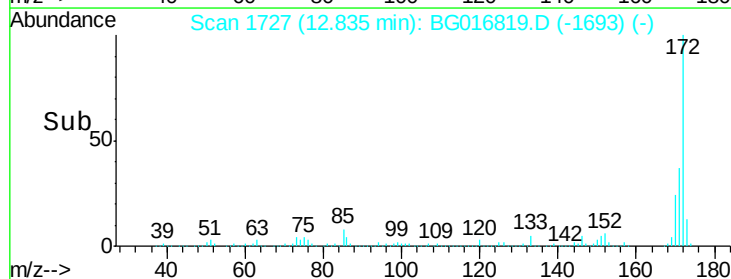
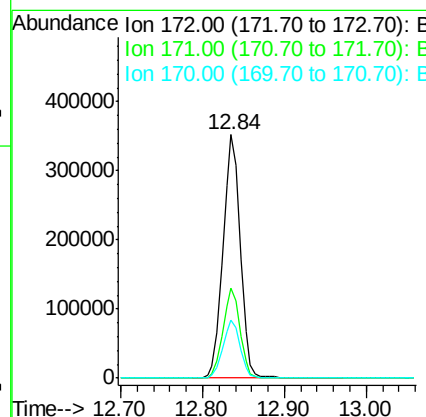
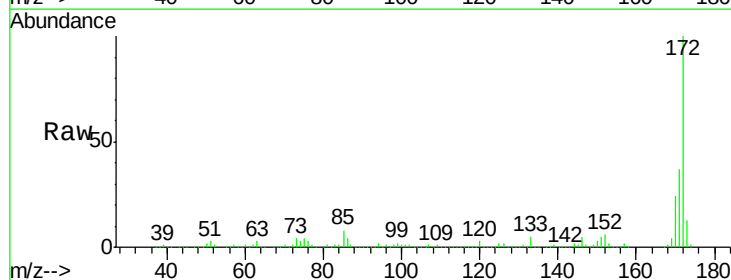
Instrument :
 BNA_G
 ClientSampled :
 SB4

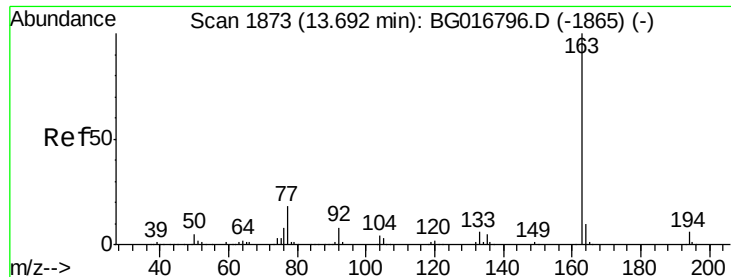
Tgt Ion: 330 Resp: 94790
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.3 112.9
 141 53.8 40.7 61.1



#44
 2-Fluorobiphenyl
 Concen: 53.38 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Tgt Ion: 172 Resp: 519188
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.2 45.4
 170 24.1 19.4 29.0

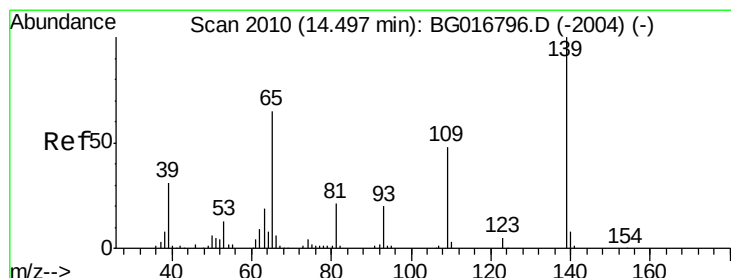
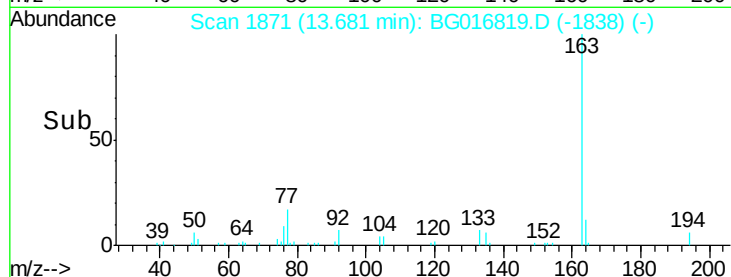
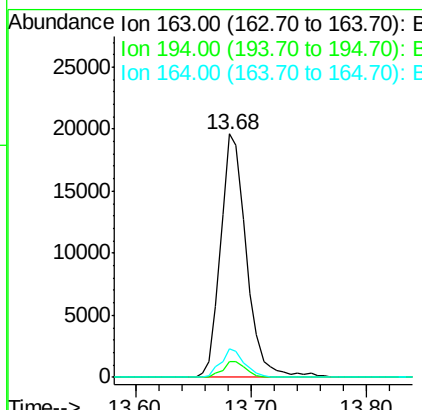
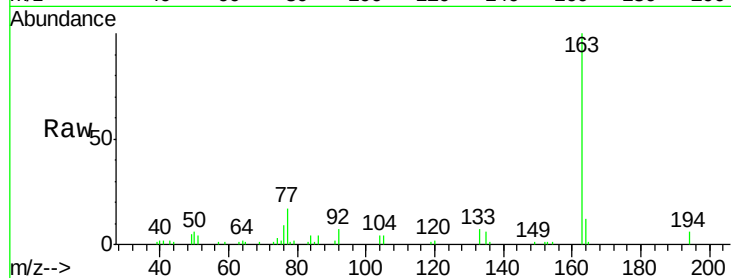




#49
Dimethylphthalate
Concen: 2.82 ng
RT: 13.68 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG016819.D
Acq: 30 Apr 2015 4:57

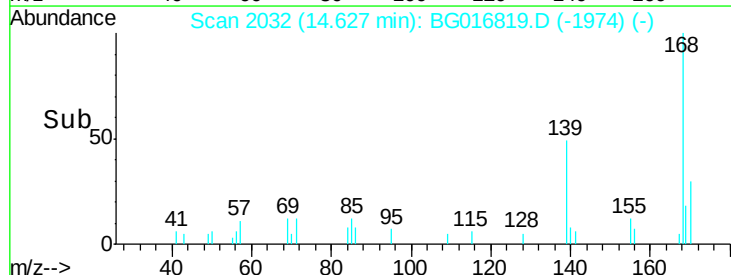
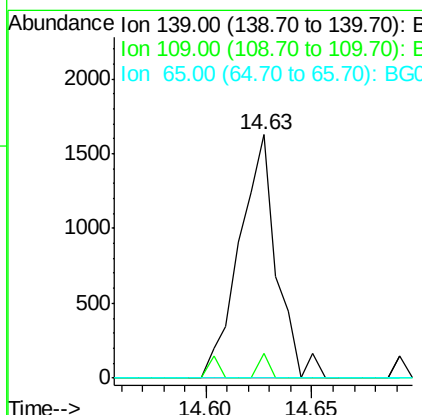
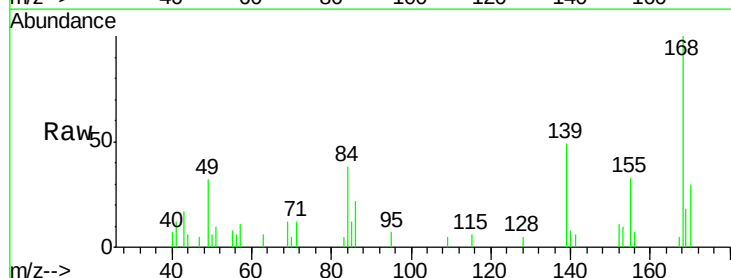
Instrument :
BNA_G
ClientSampleId :
SB4

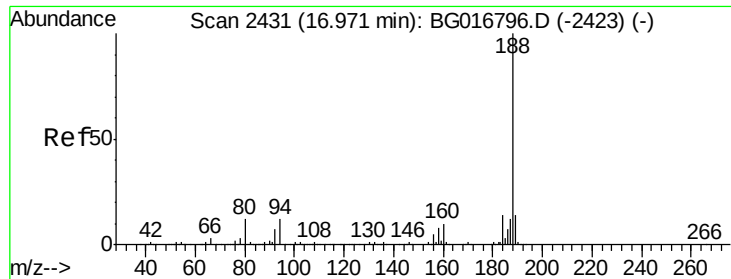
Tgt Ion:163 Resp: 30419
Ion Ratio Lower Upper
163 100
194 6.2 4.7 7.1
164 11.7 8.2 12.2



#55
4-Nitrophenol
Concen: 7.09 ng
RT: 14.63 min Scan# 2032
Delta R.T. 0.14 min
Lab File: BG016819.D
Acq: 30 Apr 2015 4:57

Tgt Ion:139 Resp: 1978
Ion Ratio Lower Upper
139 100
109 10.3 27.8 67.8#
65 0.0 45.4 85.4#

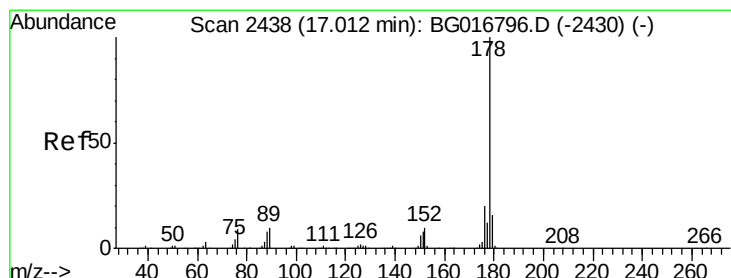
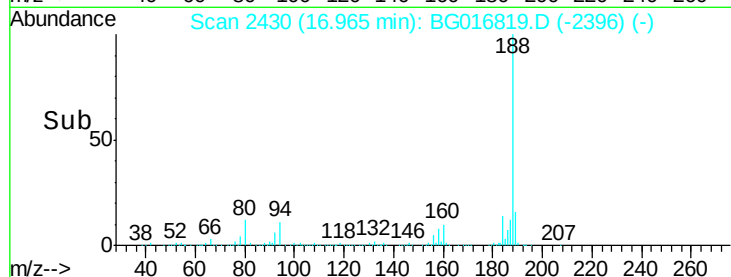
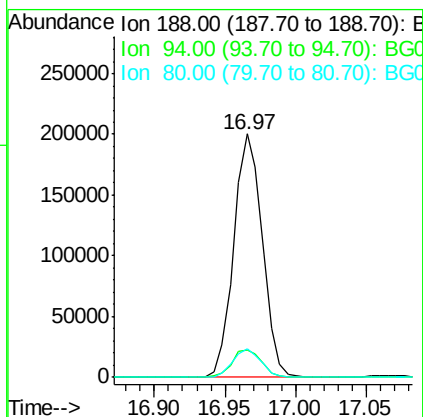
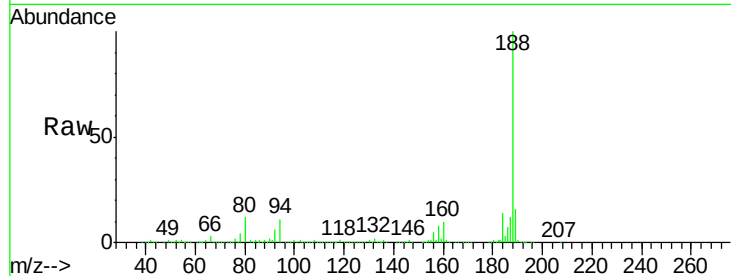




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG016819.D
Acq: 30 Apr 2015 4:57

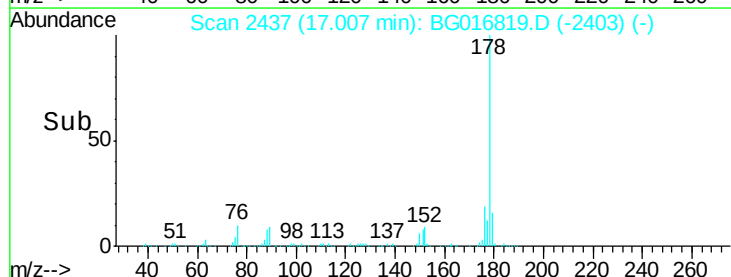
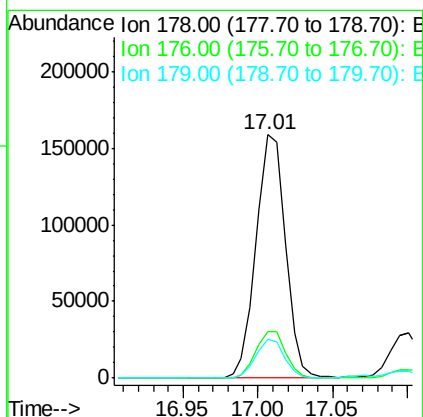
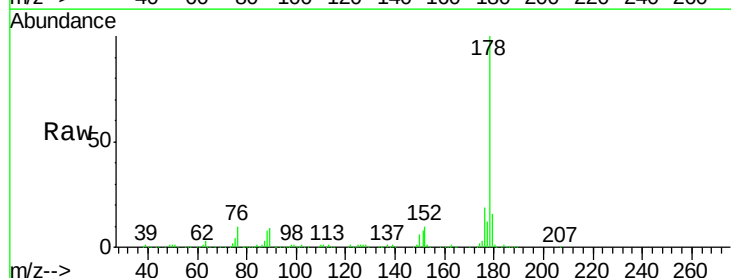
Instrument :
BNA_G
ClientSampleId :
SB4

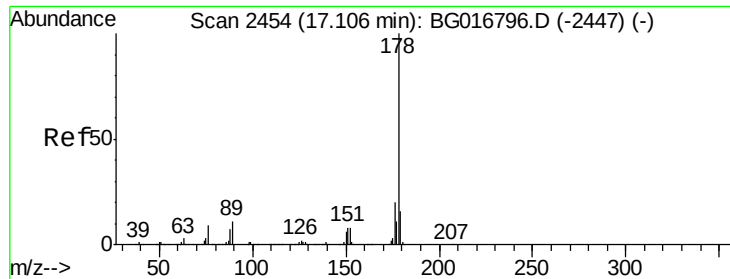
Tgt Ion:188 Resp: 282610
Ion Ratio Lower Upper
188 100
94 11.2 9.5 14.3
80 11.6 9.2 13.8



#70
Phenanthrene
Concen: 14.14 ng
RT: 17.01 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BG016819.D
Acq: 30 Apr 2015 4:57

Tgt Ion:178 Resp: 216159
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 16.1 12.7 19.1

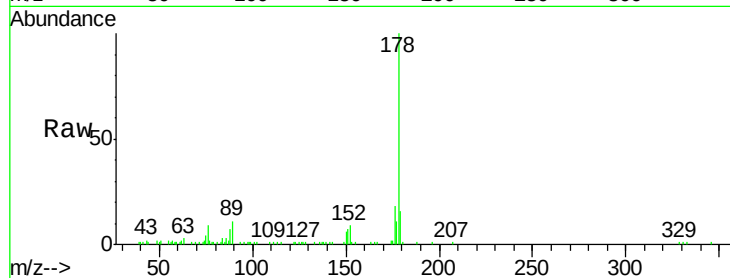




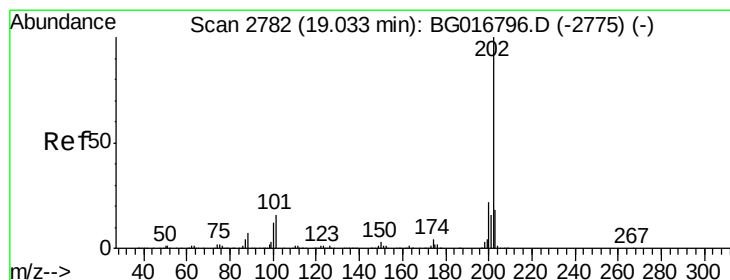
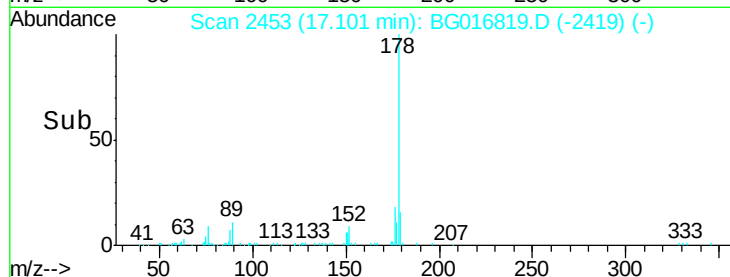
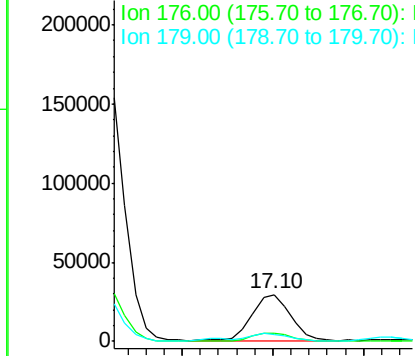
#71
 Anthracene
 Concen: 2.85 ng
 RT: 17.10 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Instrument :
 BNA_G
 ClientSampleId :
 SB4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.0	24.0
179	15.9	12.6	18.8

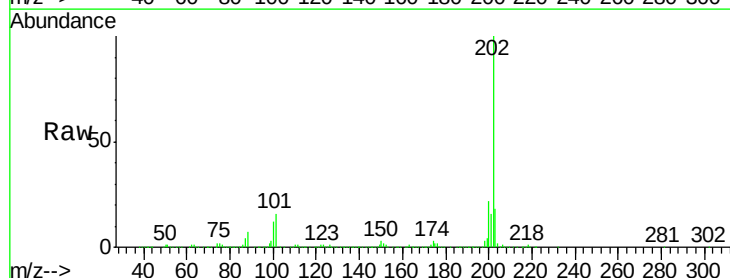


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

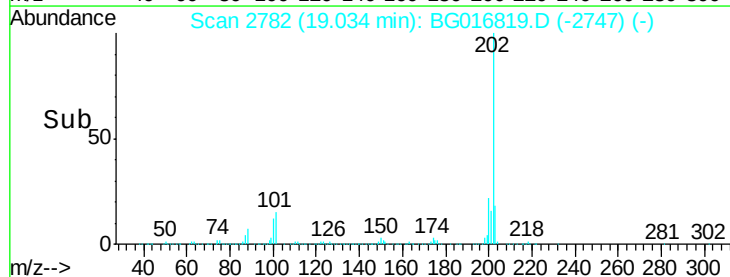
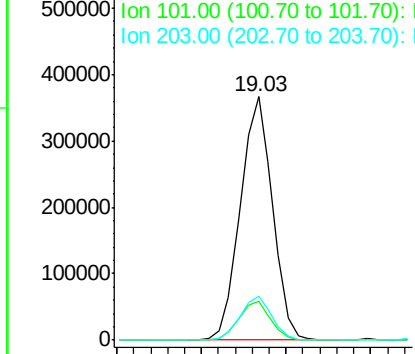


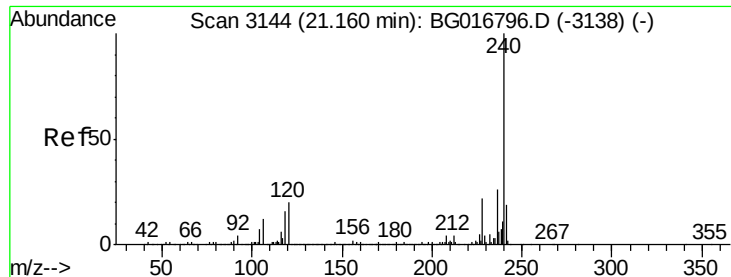
#74
 Fluoranthene
 Concen: 29.57 ng
 RT: 19.03 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	36.2
203	18.0	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: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampled :

SB4

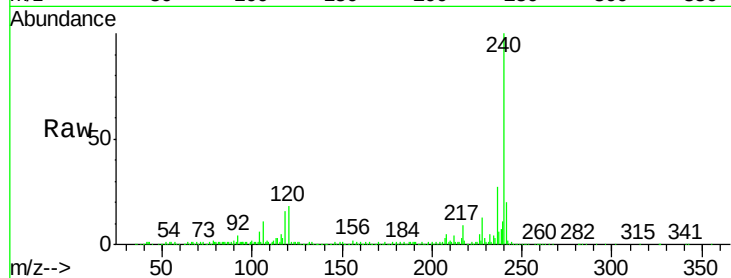
Tgt Ion:240 Resp: 242967

Ion Ratio Lower Upper

240 100

120 17.8 16.1 24.1

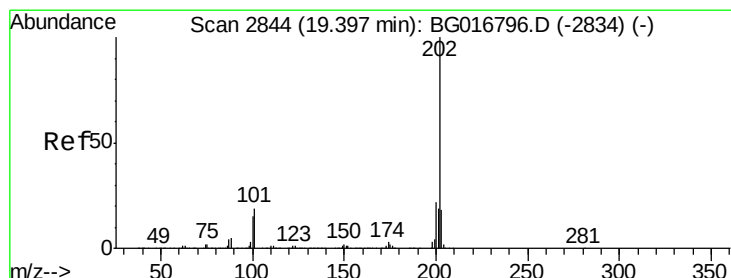
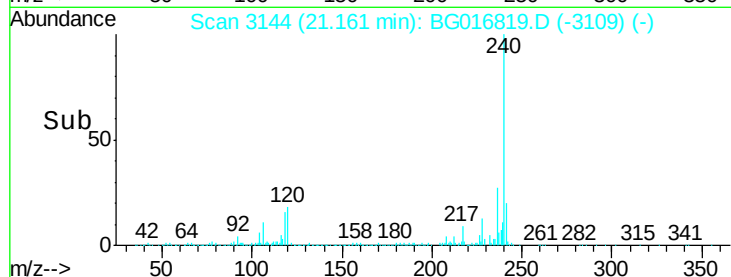
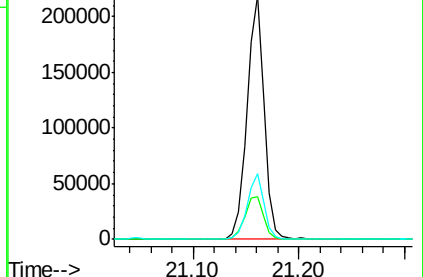
236 27.0 21.0 31.6



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: 29.42 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

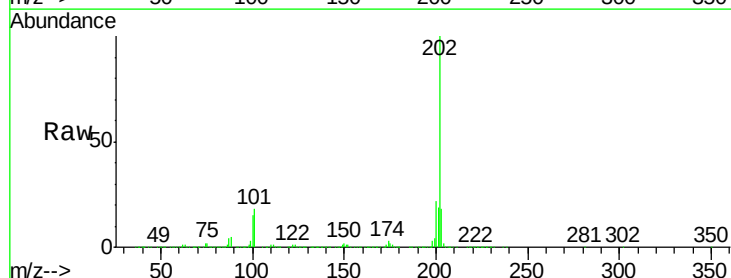
Tgt Ion:202 Resp: 467350

Ion Ratio Lower Upper

202 100

200 21.8 17.3 25.9

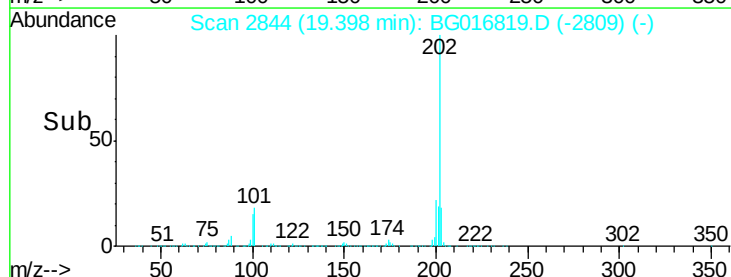
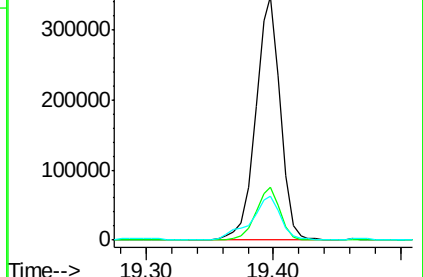
203 18.0 14.6 22.0

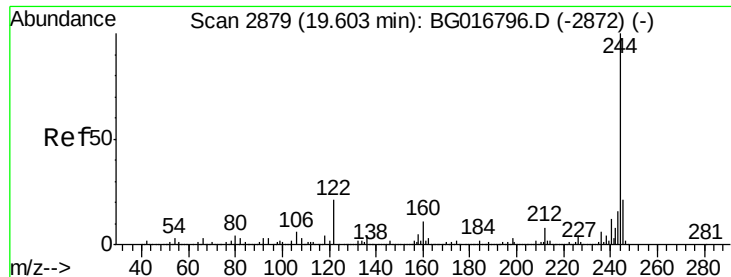


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.48 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampleId :

SB4

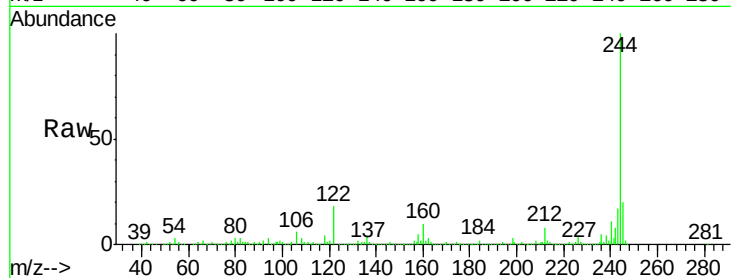
Tgt Ion:244 Resp: 528603

Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

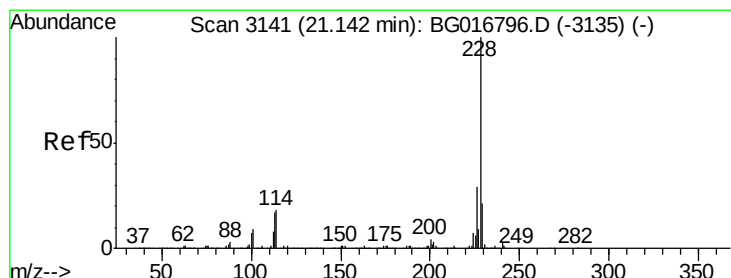
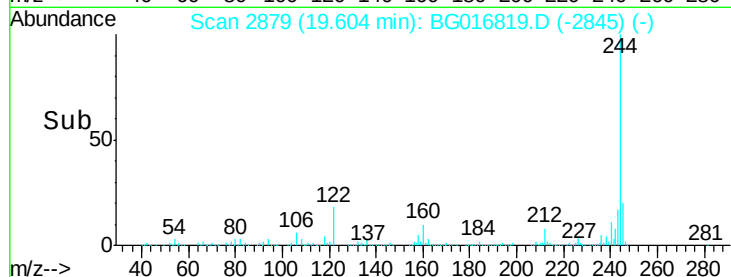
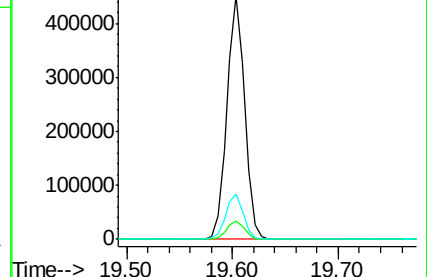
122 18.5 16.4 24.6



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: 17.02 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

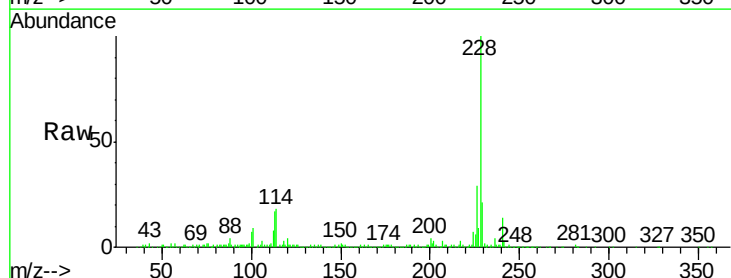
Tgt Ion:228 Resp: 238965

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.0

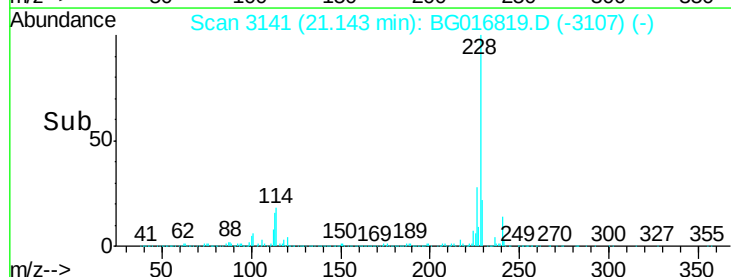
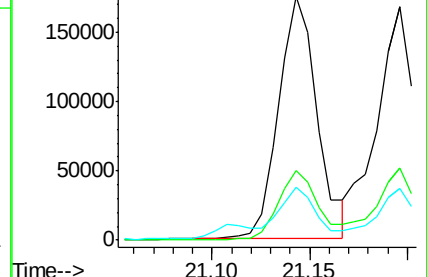
229 21.5 17.0 25.6

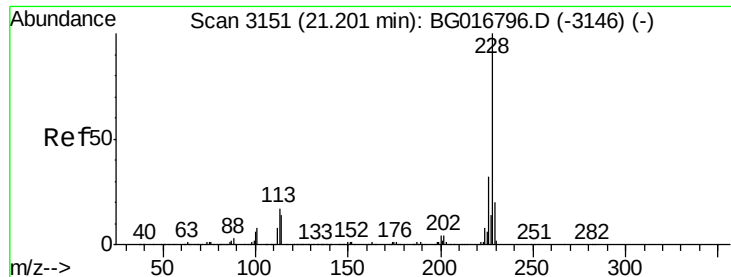


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.11 ng

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampled :

SB4

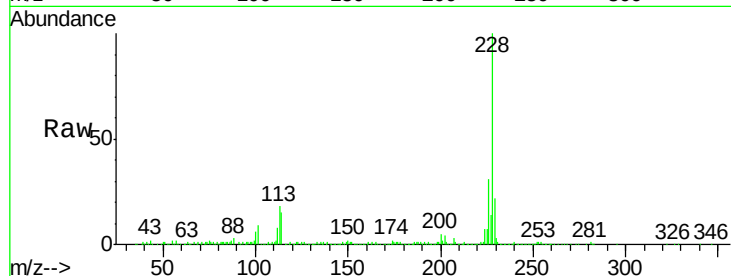
Tgt Ion: 228 Resp: 227180

Ion Ratio Lower Upper

228 100

226 30.6 25.1 37.7

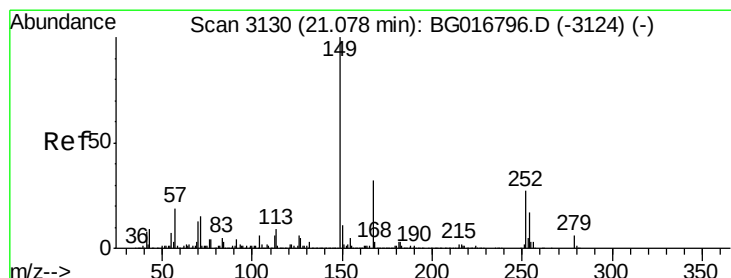
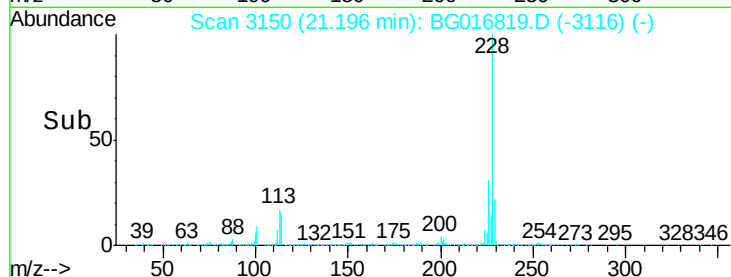
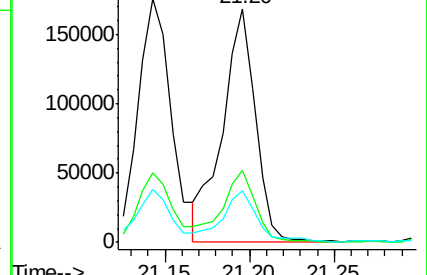
229 22.4 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.23 ng

RT: 21.07 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

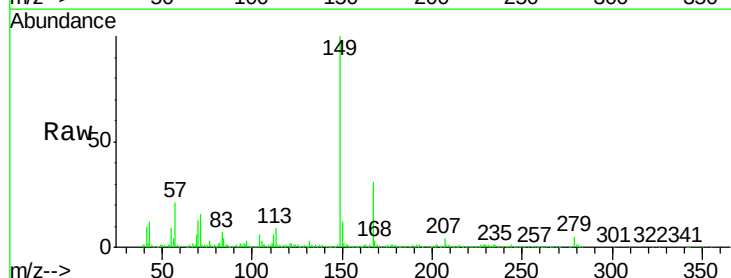
Tgt Ion: 149 Resp: 113899

Ion Ratio Lower Upper

149 100

167 30.9 25.9 38.9

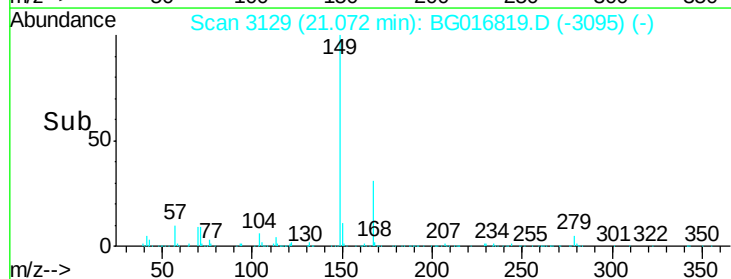
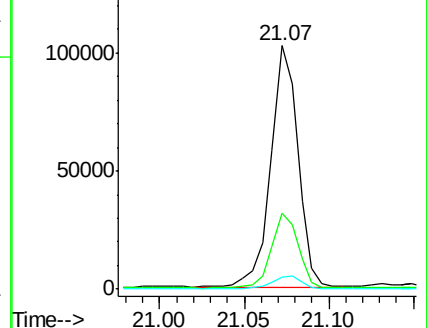
279 5.1 5.0 7.4

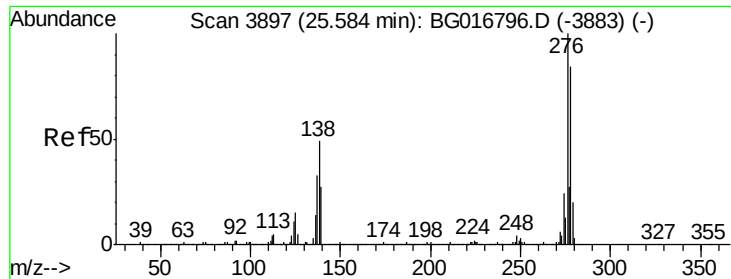


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

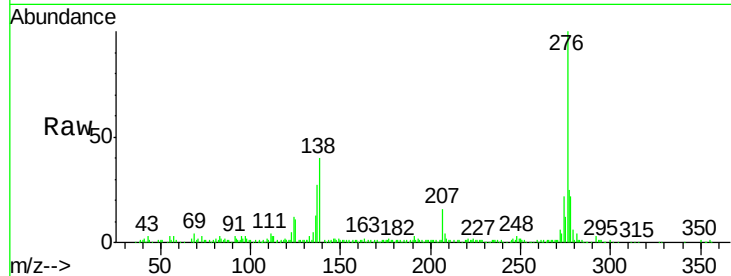




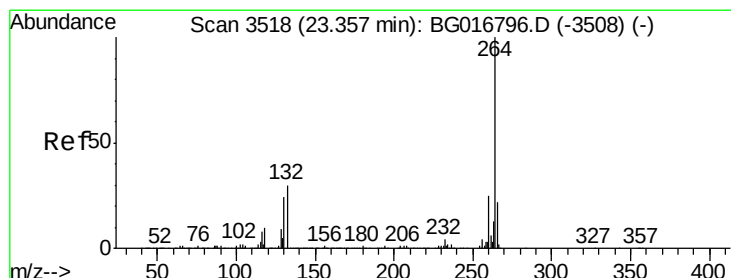
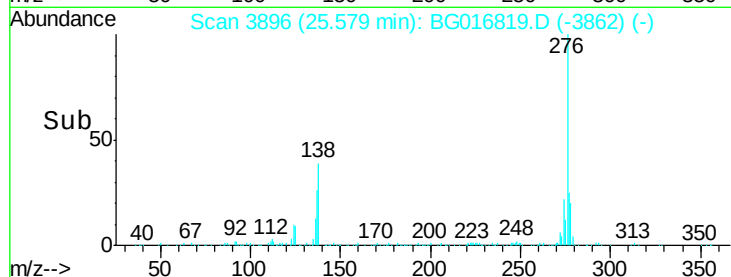
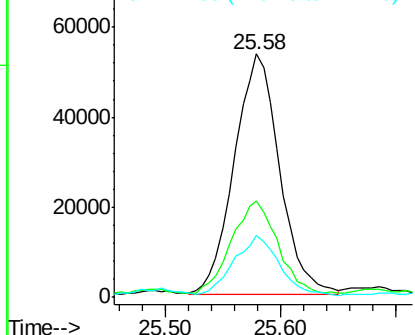
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.65 ng
 RT: 25.58 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Instrument :
 BNA_G
 ClientSampleId :
 SB4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	38.5	37.0	55.6
277	24.5	21.4	32.0

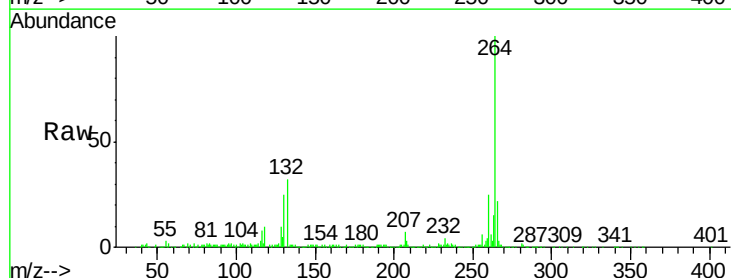


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

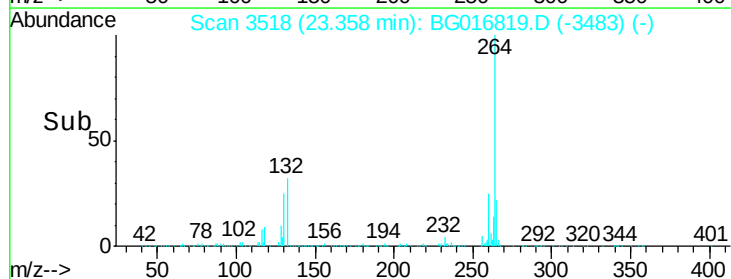
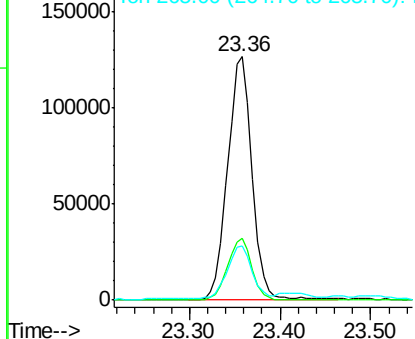


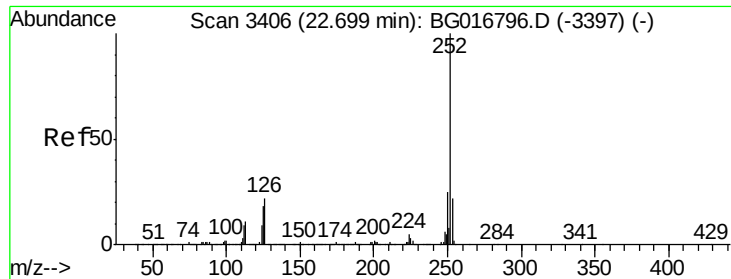
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.36 min Scan# 3518
 Delta R.T. 0.00 min
 Lab File: BG016819.D
 Acq: 30 Apr 2015 4:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	22.0	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: 29.39 ng

RT: 22.70 min Scan# 3406

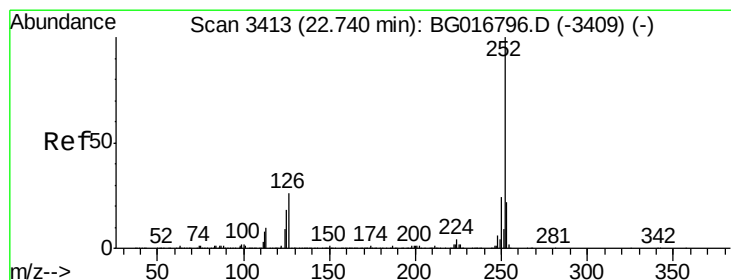
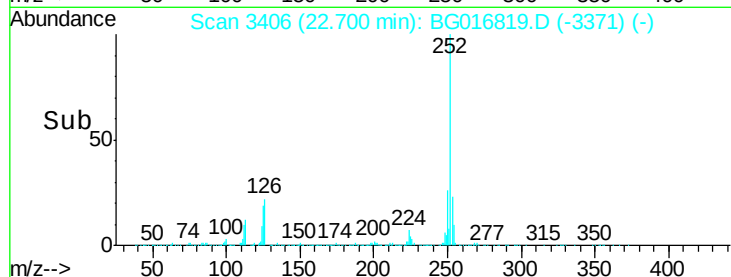
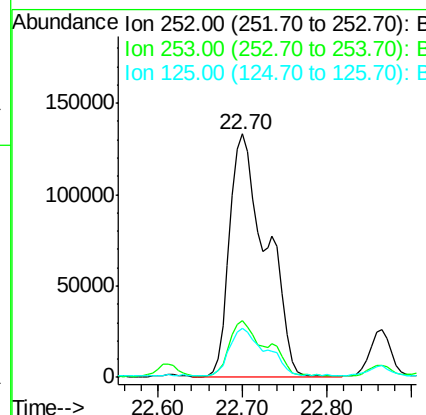
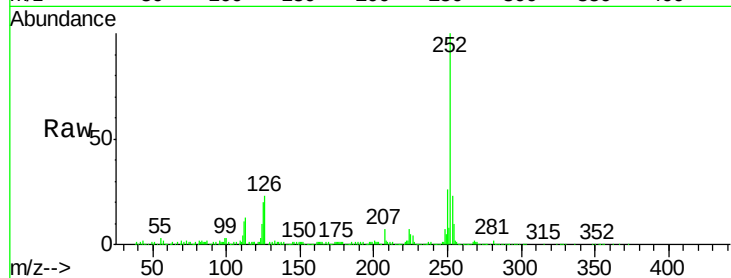
Delta R.T. 0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :
BNA_G
ClientSampleId :
SB4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	20.2	14.2	21.2



#88

Benzo(k)fluoranthene

Concen: 30.01 ng

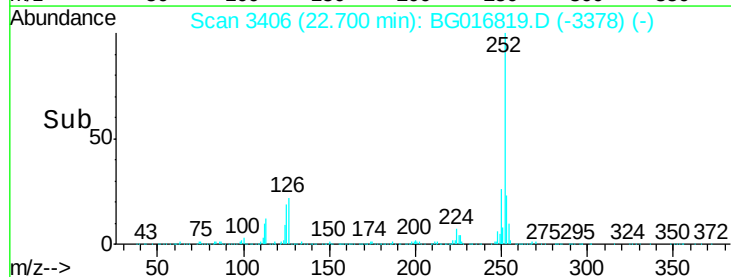
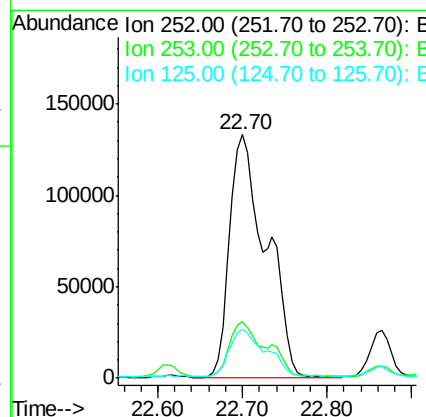
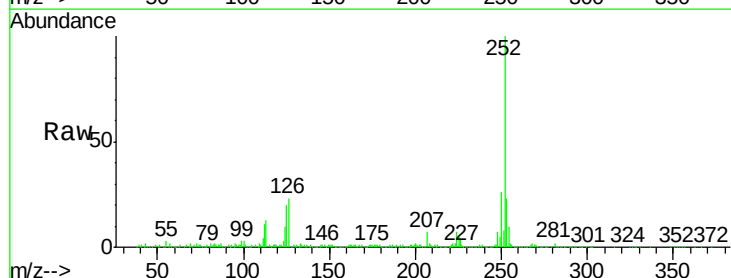
RT: 22.70 min Scan# 3406

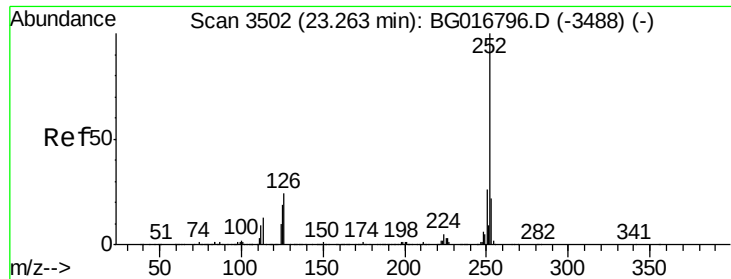
Delta R.T. -0.04 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	20.2	14.5	21.7





#89

Benzo(a)pyrene

Concen: 16.74 ng

RT: 23.26 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampleId :

SB4

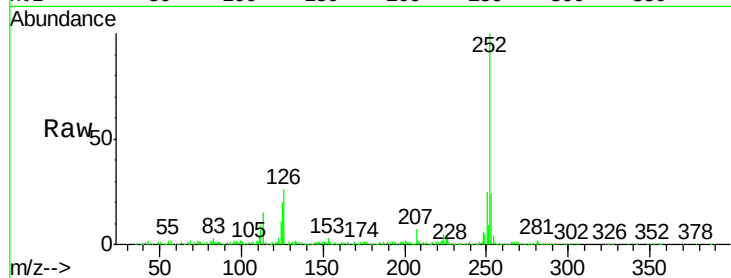
Tgt Ion:252 Resp: 214952

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

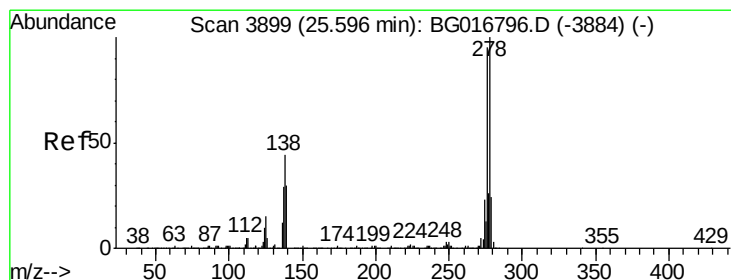
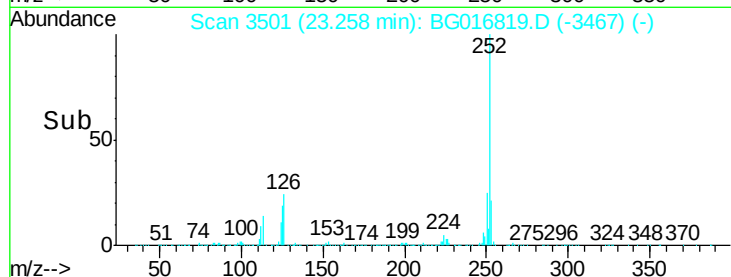
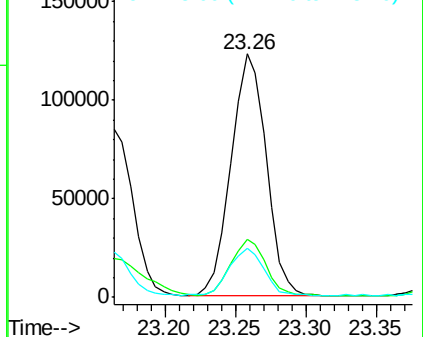
125 20.2 15.0 22.4



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



#90

Dibenzo(a,h)anthracene

Concen: 2.87 ng

RT: 25.58 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

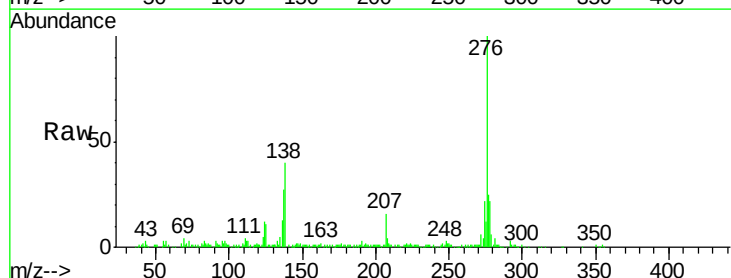
Tgt Ion:278 Resp: 37184

Ion Ratio Lower Upper

278 100

139 0.0 23.9 35.9#

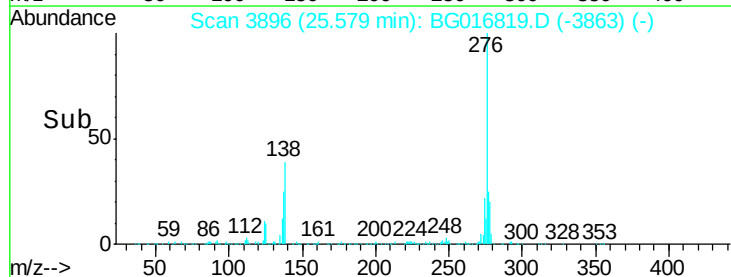
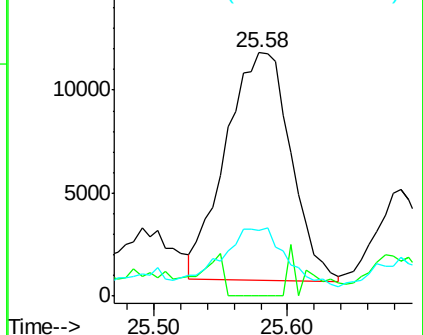
279 27.0 19.4 29.0

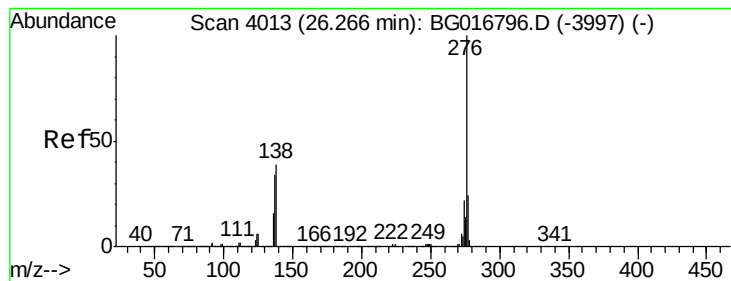


Abundance Ion 278.00 (277.70 to 278.70): E

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: 11.28 ng

RT: 26.27 min Scan# 4013

Delta R.T. 0.00 min

Lab File: BG016819.D

Acq: 30 Apr 2015 4:57

Instrument :

BNA_G

ClientSampleId :

SB4

Tgt Ion: 276 Resp: 146965

Ion Ratio Lower Upper

276 100

277 24.5 19.6 29.4

138 38.2 31.0 46.4

