

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042915\
 Data File : BG016820.D
 Acq On : 30 Apr 2015 5:31
 Operator : TP/IZ
 Sample : G2031-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB3

Quant Time: Apr 30 06:32:45 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	60145	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	261206	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	142250	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	271319	20.00	ng	0.00
75) Chrysene-d12	21.15	240	238054	20.00	ng	0.00
86) Perylene-d12	23.36	264	227708	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.16	112	78696	24.10	ng	0.00
7) Phenol-d6	6.77	99	103127	22.50	ng	0.00
23) Nitrobenzene-d5	8.72	82	52430	13.08	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	20735	19.57	ng	0.00
44) 2-Fluorobiphenyl	12.83	172	132826	14.46	ng	0.00
78) Terphenyl-d14	19.60	244	141157	14.30	ng	0.00

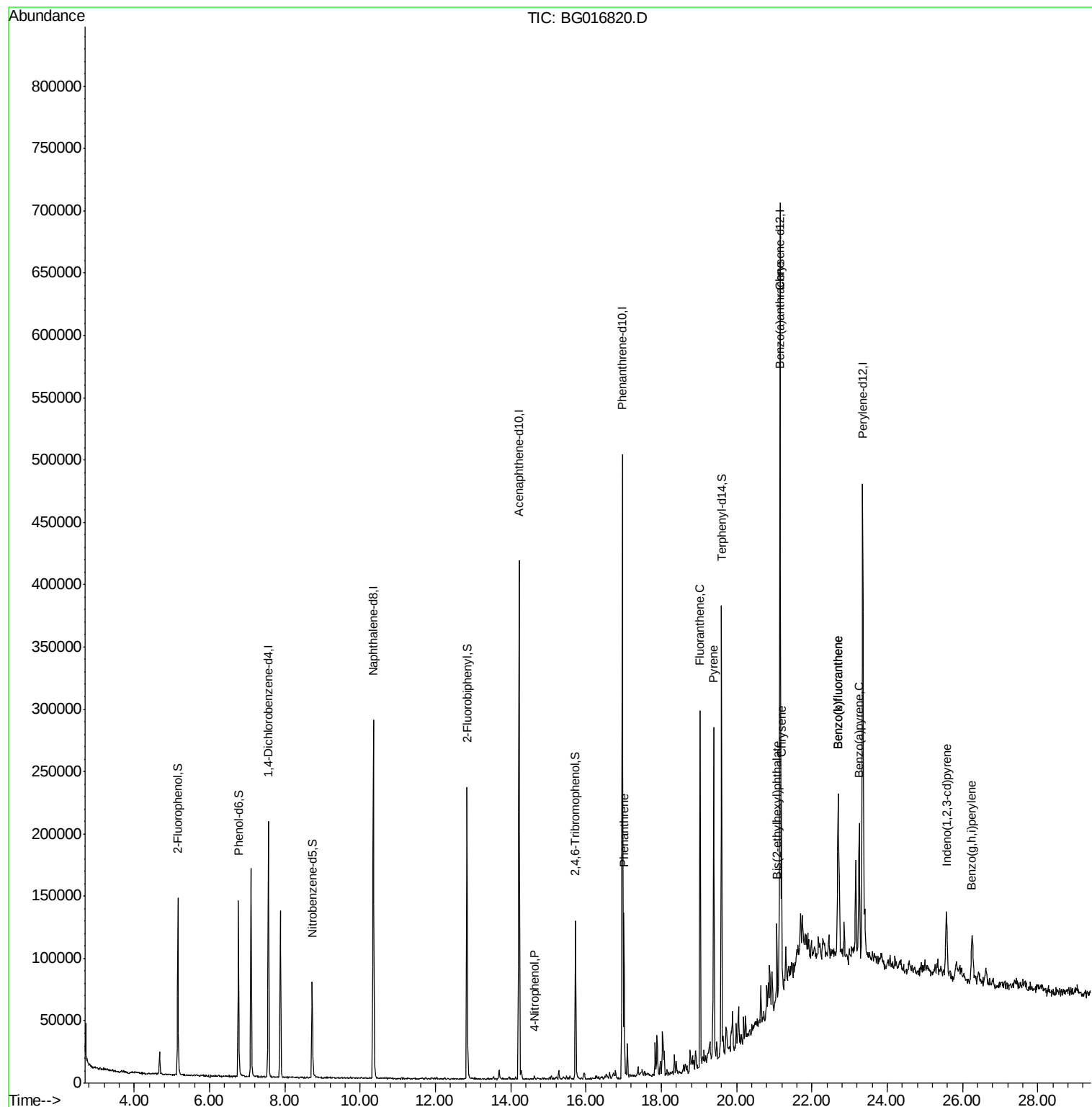
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
55) 4-Nitrophenol	14.63	139	611	6.51	ng	# 22
70) Phenanthrene	17.01	178	79747	5.43	ng	97
74) Fluoranthene	19.03	202	154188	9.77	ng	99
77) Pyrene	19.40	202	157205	10.10	ng	97
80) Benzo(a)anthracene	21.14	228	78279	5.69	ng	97
82) Chrysene	21.19	228	69886	5.37	ng	99
83) Bis(2-ethylhexyl)phthalate	21.07	149	21870	2.00	ng	96
85) Indeno(1,2,3-cd)pyrene	25.57	276	41640	2.81	ng	92
87) Benzo(b)fluoranthene	22.69	252	118110	9.11	ng	98
88) Benzo(k)fluoranthene	22.69	252	119100	9.38	ng	97
89) Benzo(a)pyrene	23.26	252	66811	5.44	ng	98
91) Benzo(g,h,i)perylene	26.26	276	41628	3.34	ng	99

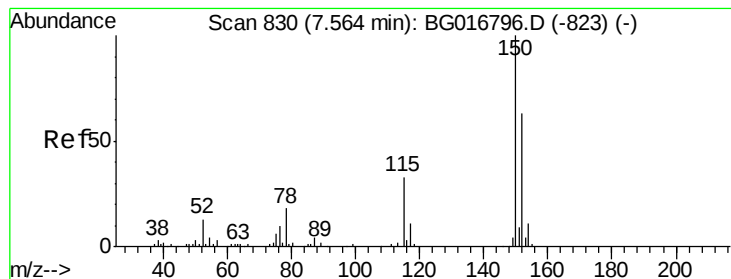
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 830

Delta R.T. 0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

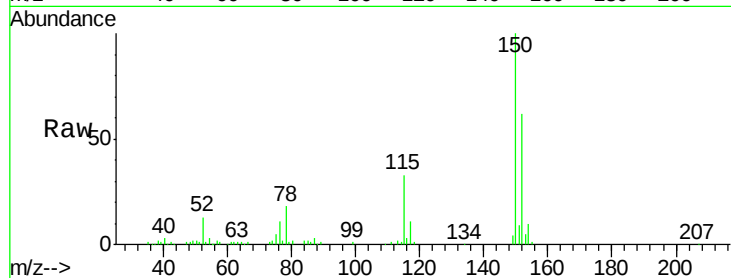
Tgt Ion:152 Resp: 60145

Ion Ratio Lower Upper

152 100

150 161.5 126.2 189.4

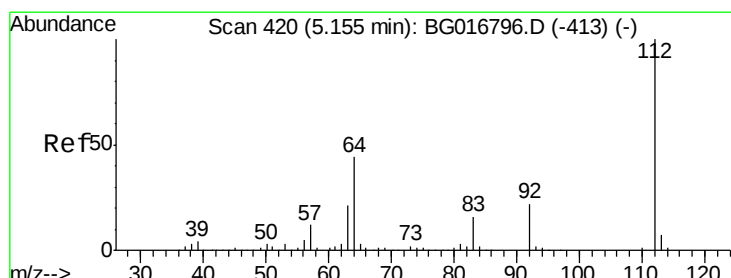
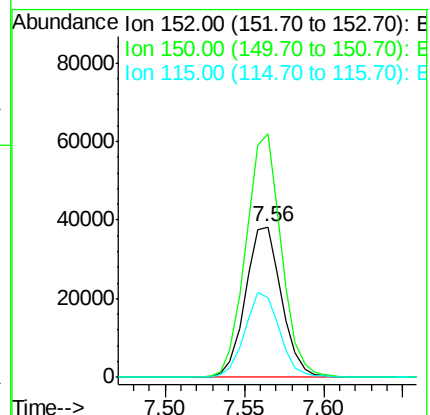
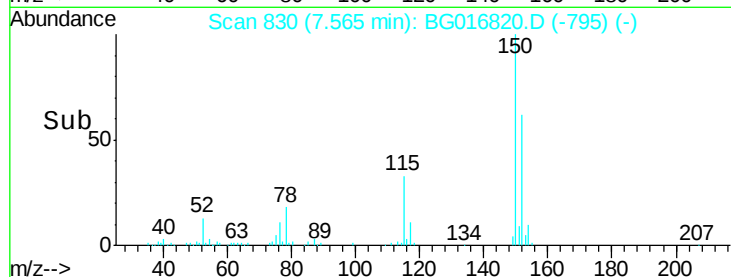
115 52.6 41.1 61.7



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: 24.10 ng

RT: 5.16 min Scan# 420

Delta R.T. 0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

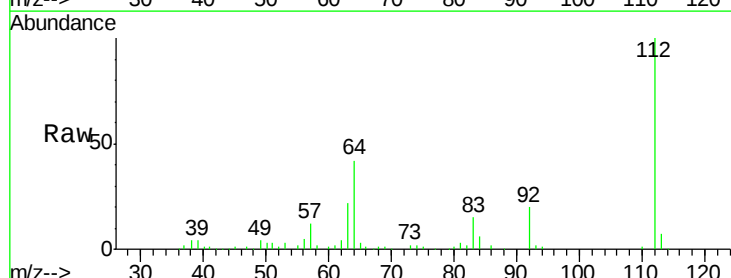
Tgt Ion:112 Resp: 78696

Ion Ratio Lower Upper

112 100

64 42.0 35.5 53.3

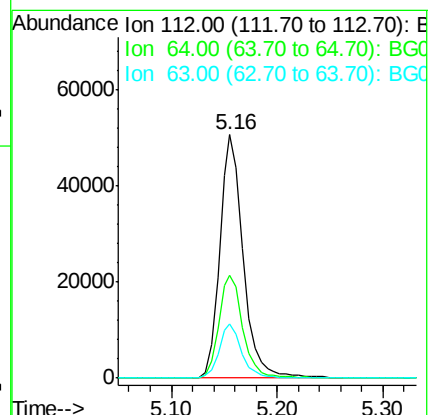
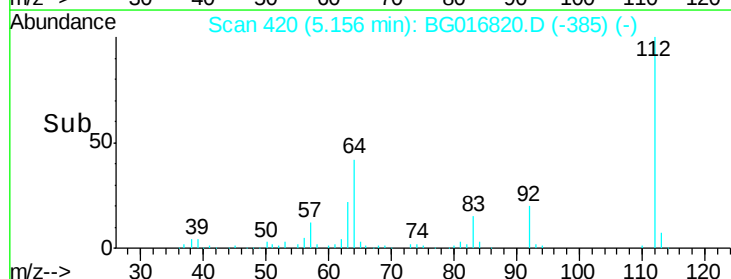
63 22.3 17.2 25.8

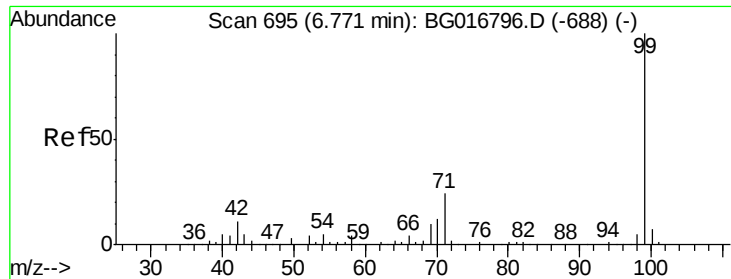


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 22.50 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

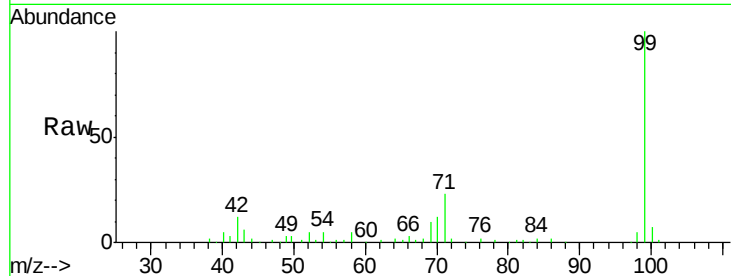
Tgt Ion: 99 Resp: 103127

Ion Ratio Lower Upper

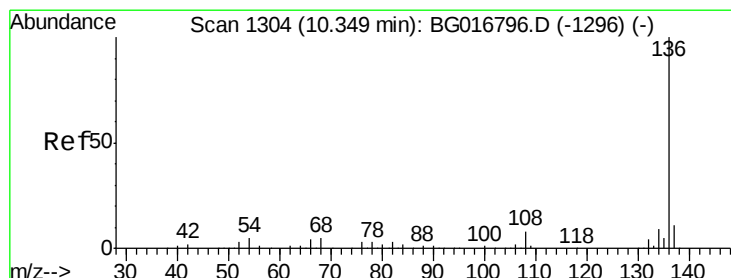
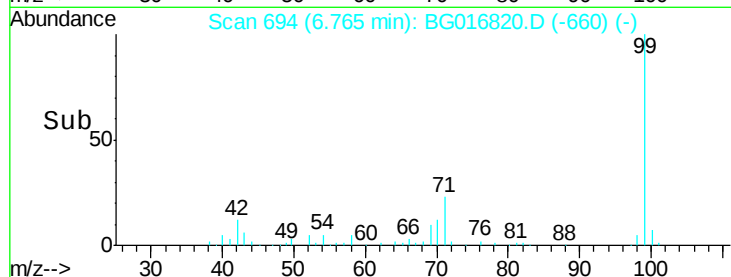
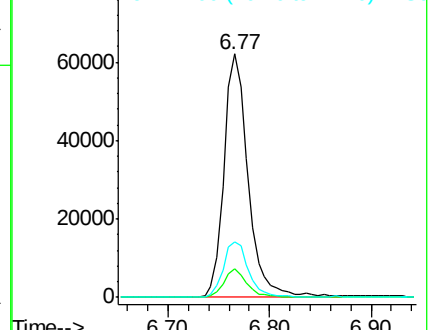
99 100

42 11.8 8.9 13.3

71 22.8 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: BG016820.D

Acq: 30 Apr 2015 5:31

Tgt Ion: 136 Resp: 261206

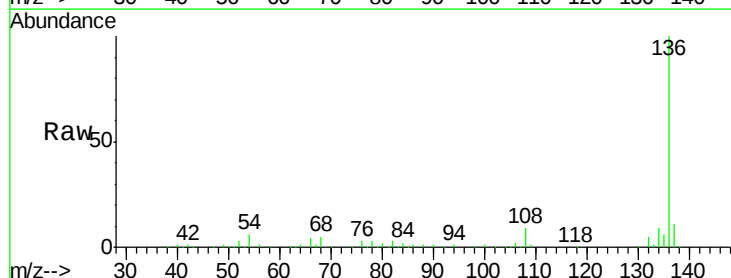
Ion Ratio Lower Upper

136 100

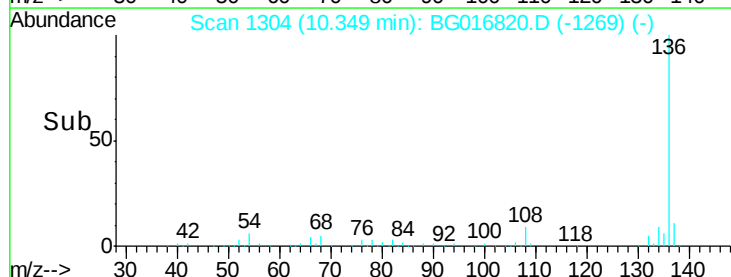
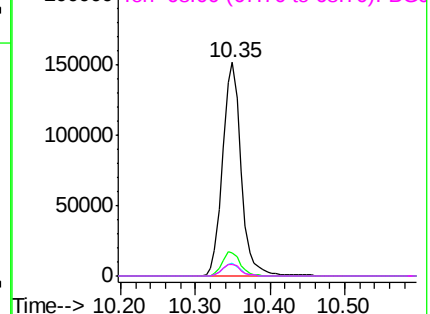
137 10.9 8.6 12.8

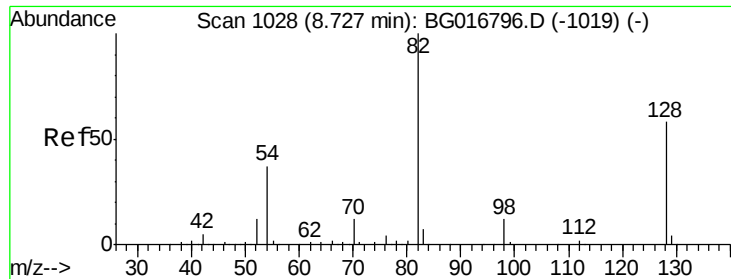
54 6.0 4.3 6.5

68 5.4 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

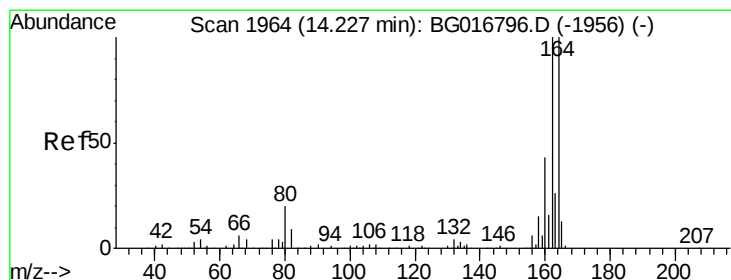
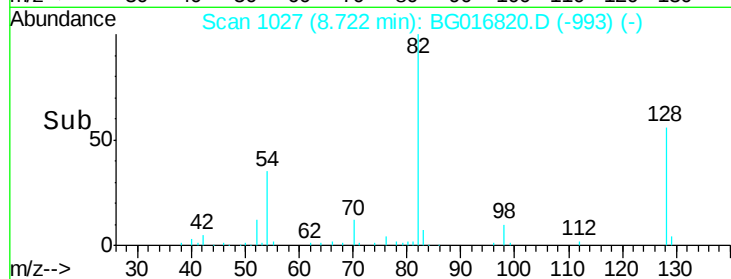
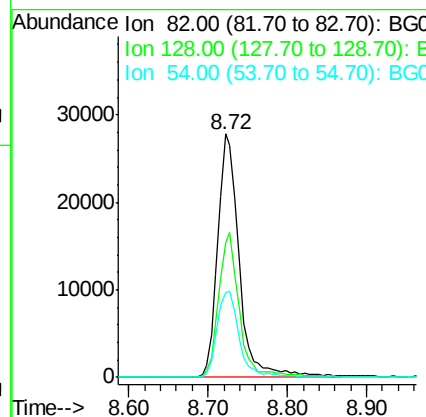
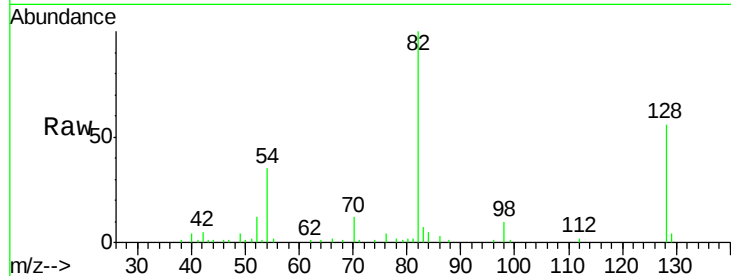




#23
 Nitrobenzene-d5
 Concen: 13.08 ng
 RT: 8.72 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BG016820.D
 Acq: 30 Apr 2015 5:31

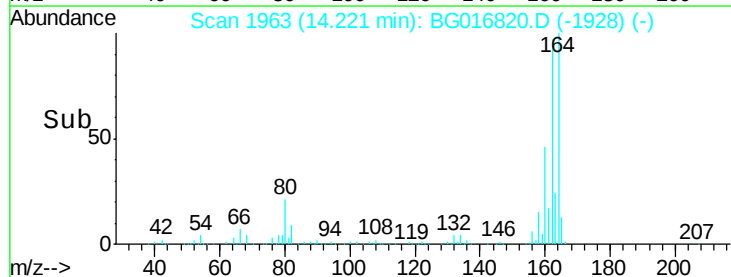
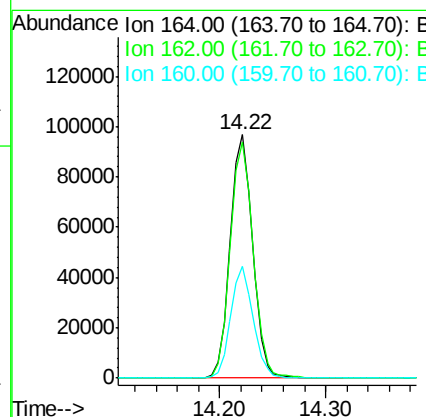
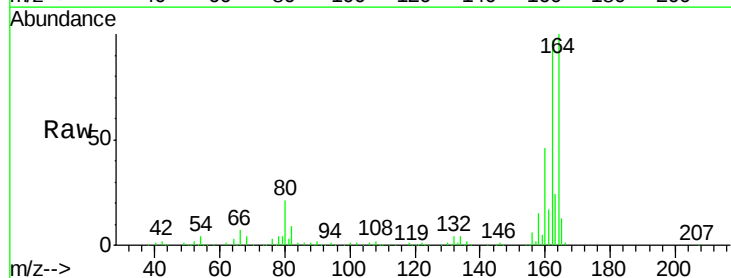
Instrument :
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 SB3

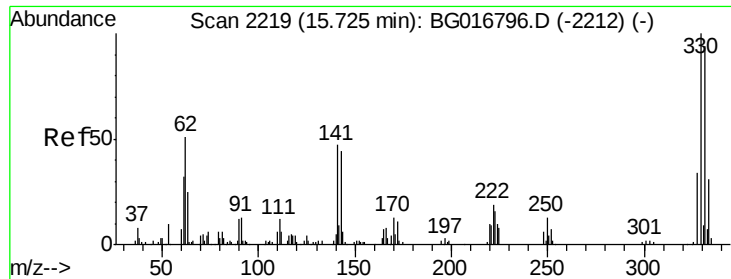
Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.6	46.3	69.5
54	34.9	30.0	45.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BG016820.D
 Acq: 30 Apr 2015 5:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.8	80.2	120.4
160	46.0	34.8	52.2

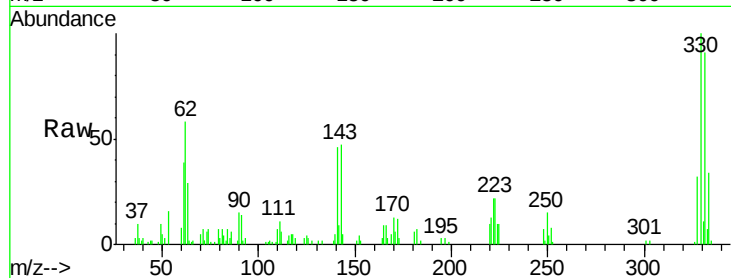




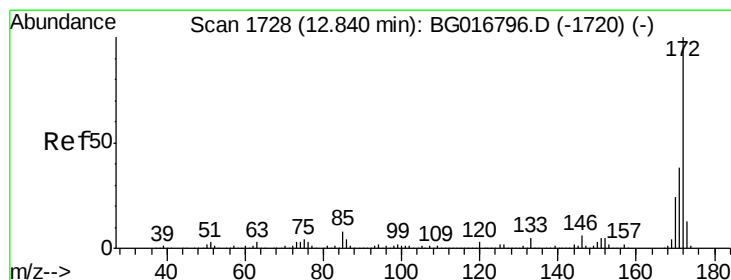
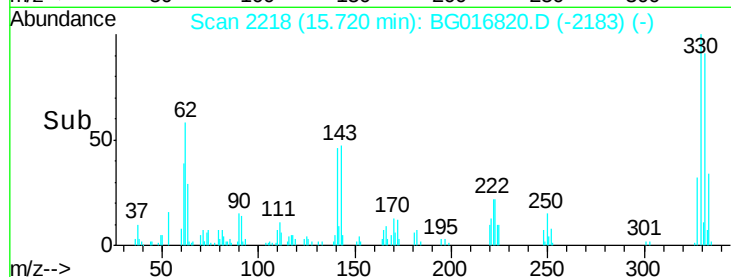
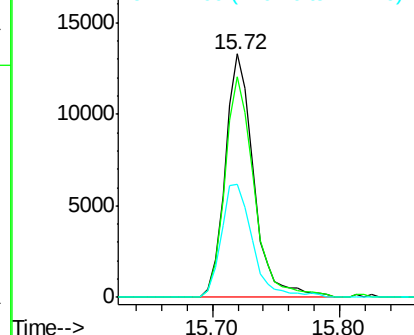
#41
 2,4,6-Tribromophenol
 Concen: 19.57 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG016820.D
 Acq: 30 Apr 2015 5:31

Instrument :
 BNA_G
 ClientSampleId :
 SB3

Tgt Ion: 330 Resp: 20735
 Ion Ratio Lower Upper
 330 100
 332 92.5 75.3 112.9
 141 51.0 40.7 61.1

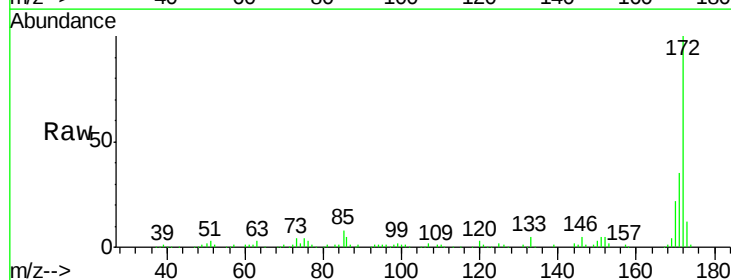


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

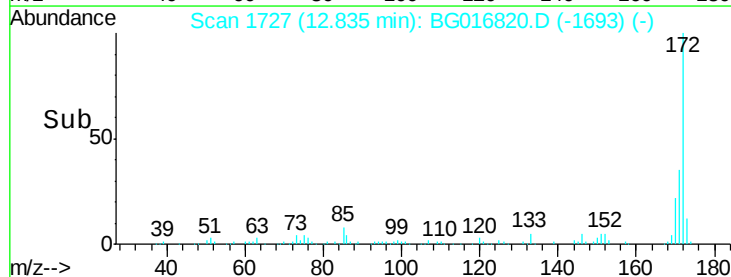
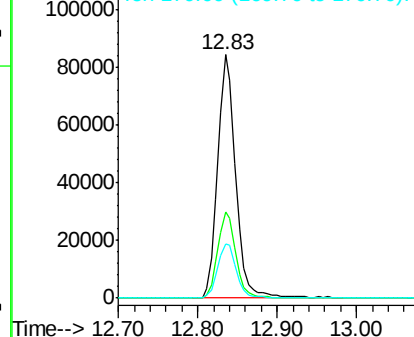


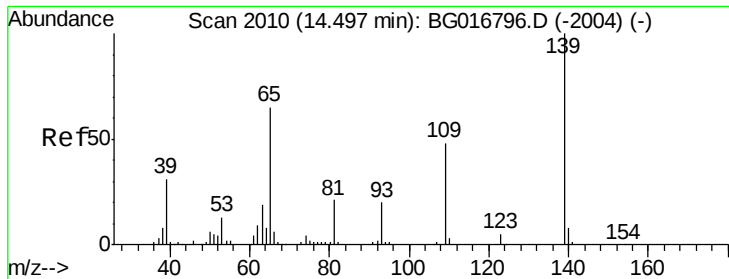
#44
 2-Fluorobiphenyl
 Concen: 14.46 ng
 RT: 12.83 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: BG016820.D
 Acq: 30 Apr 2015 5:31

Tgt Ion: 172 Resp: 132826
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.2 45.4
 170 22.3 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

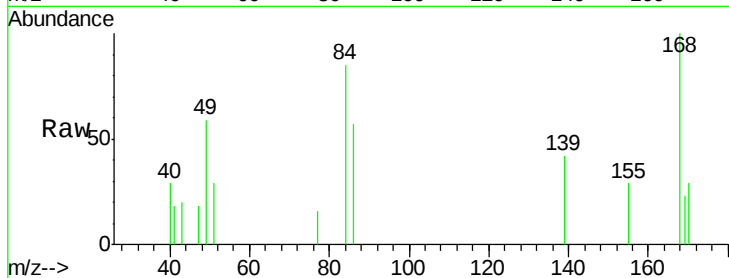




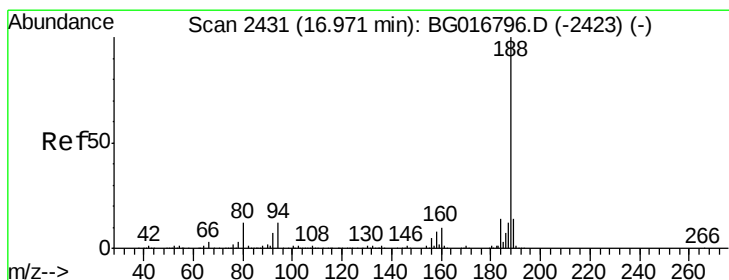
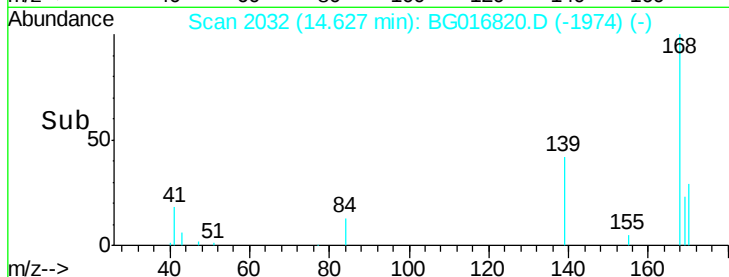
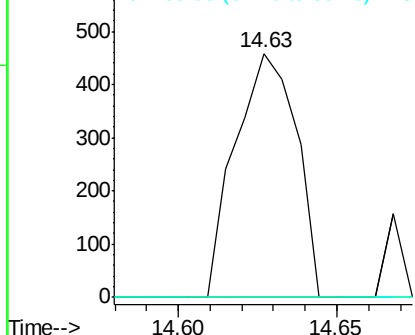
#55
4-Nitrophenol
Concen: 6.51 ng
RT: 14.63 min Scan# 2032
Delta R.T. 0.14 min
Lab File: BG016820.D
Acq: 30 Apr 2015 5:31

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ClientSampleId :
SB3

Tgt Ion:139 Resp: 611
Ion Ratio Lower Upper
139 100
109 0.0 27.8 67.8#
65 0.0 45.4 85.4#

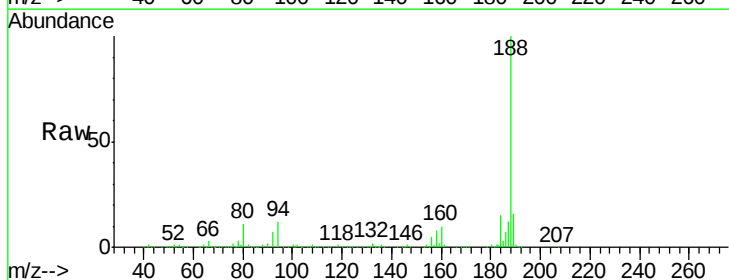


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

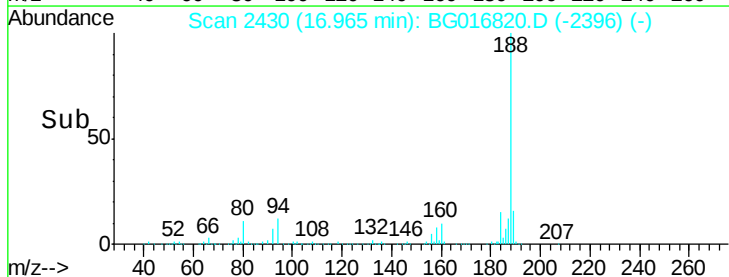
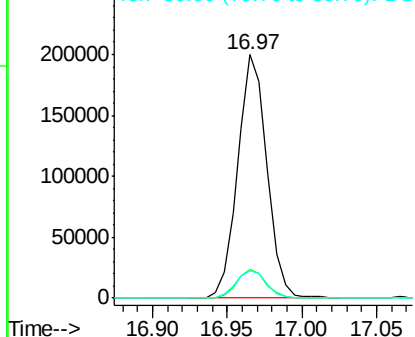


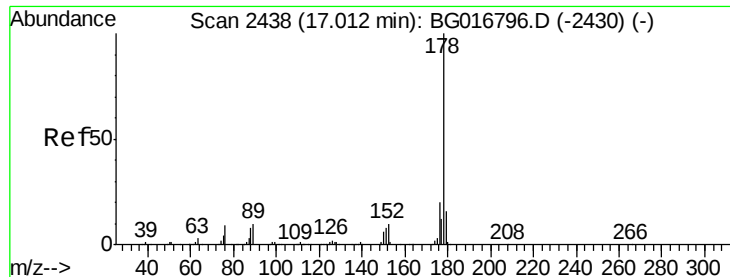
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG016820.D
Acq: 30 Apr 2015 5:31

Tgt Ion:188 Resp: 271319
Ion Ratio Lower Upper
188 100
94 11.8 9.5 14.3
80 11.1 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

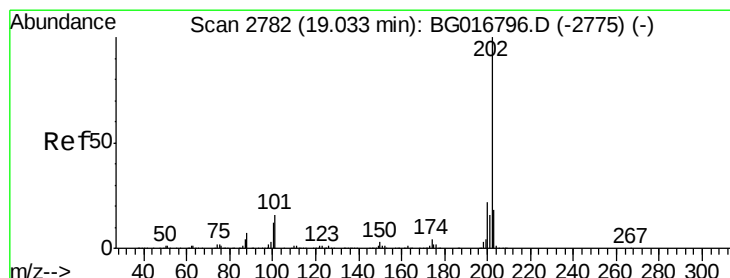
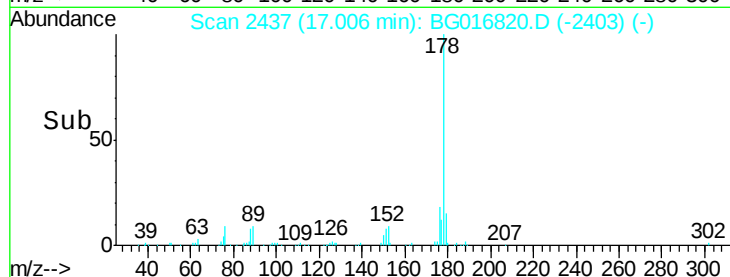
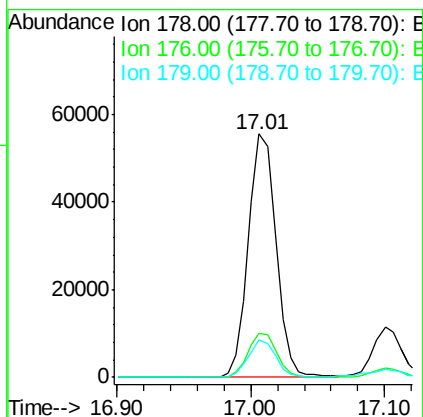
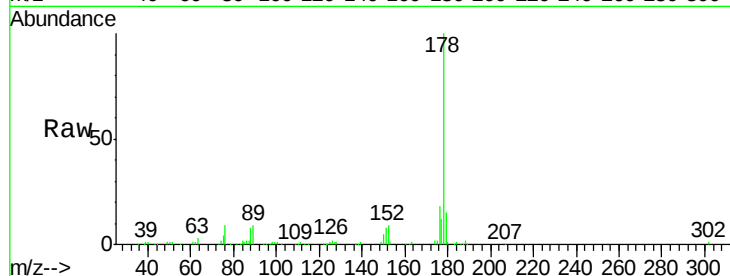




#70
Phenanthrene
Concen: 5.43 ng
RT: 17.01 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BG016820.D
Acq: 30 Apr 2015 5:31

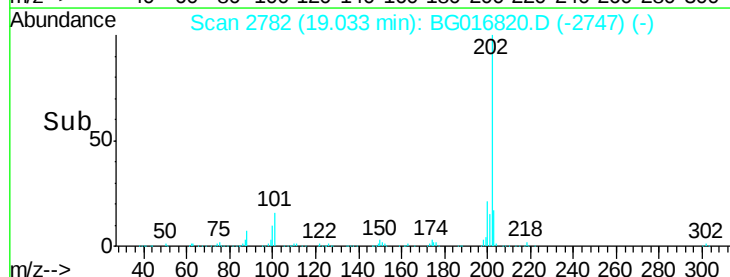
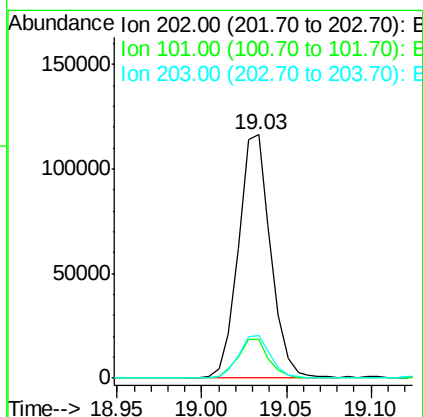
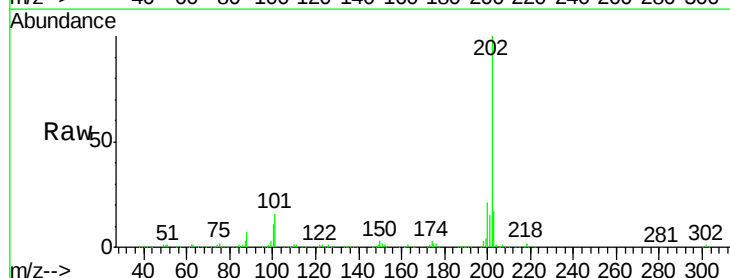
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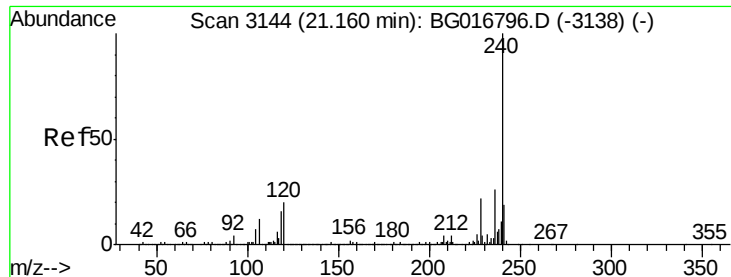
Tgt Ion:178 Resp: 79747
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.2 12.7 19.1



#74
Fluoranthene
Concen: 9.77 ng
RT: 19.03 min Scan# 2782
Delta R.T. 0.00 min
Lab File: BG016820.D
Acq: 30 Apr 2015 5:31

Tgt Ion:202 Resp: 154188
Ion Ratio Lower Upper
202 100
101 15.9 0.0 36.2
203 17.3 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

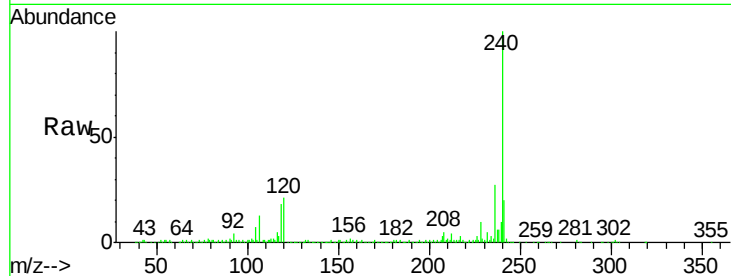
Tgt Ion:240 Resp: 238054

Ion Ratio Lower Upper

240 100

120 20.8 16.1 24.1

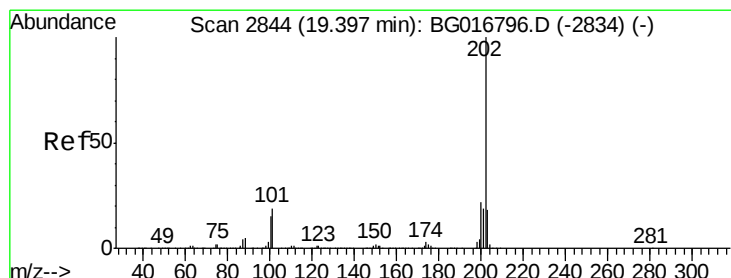
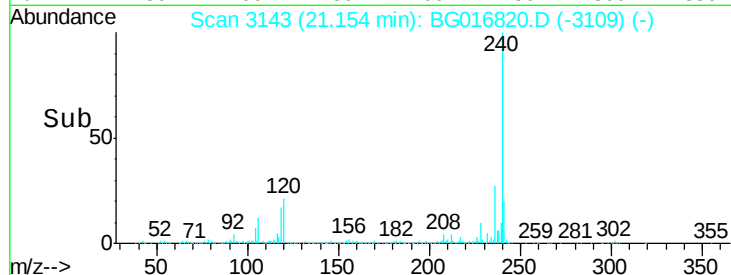
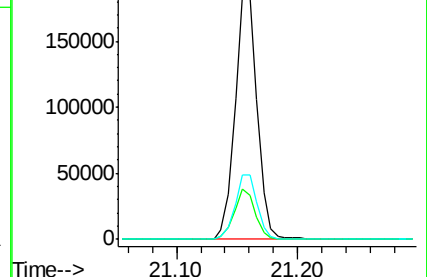
236 26.6 21.0 31.6



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: 10.10 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

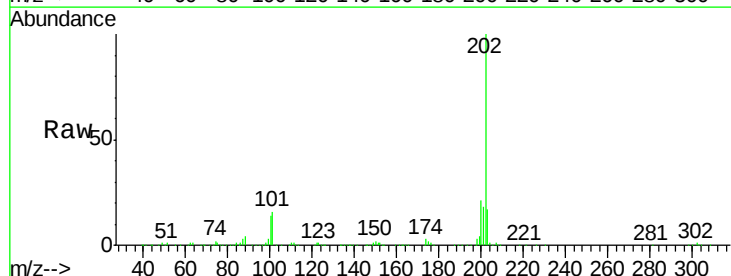
Tgt Ion:202 Resp: 157205

Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

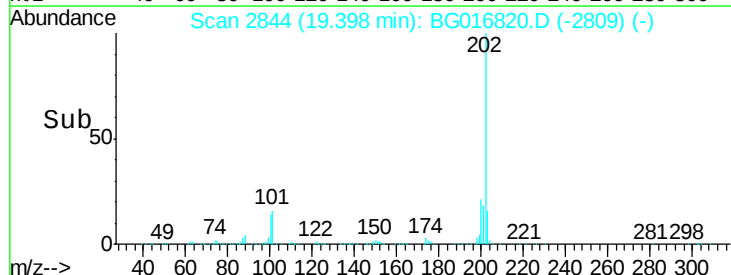
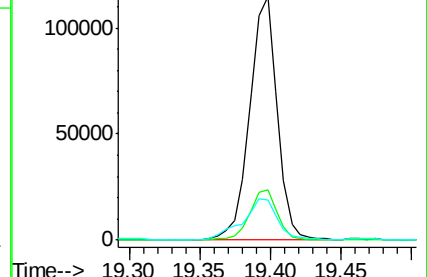
203 16.6 14.6 22.0

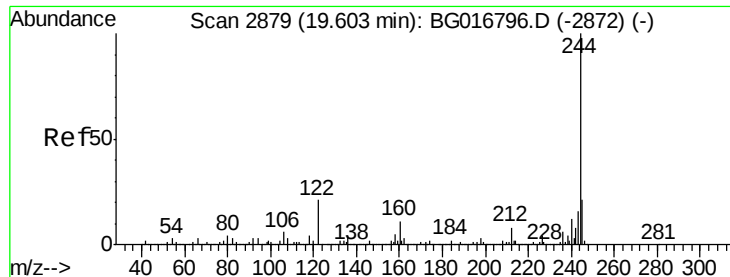


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.30 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

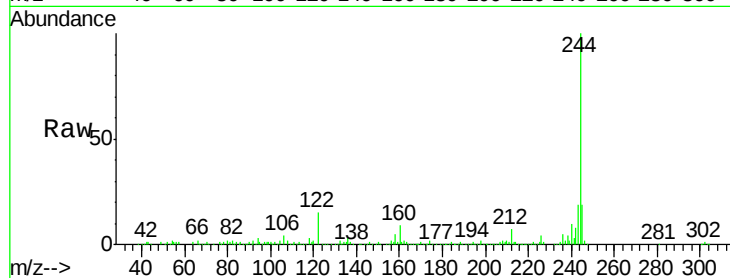
Tgt Ion:244 Resp: 141157

Ion Ratio Lower Upper

244 100

212 6.6 6.4 9.6

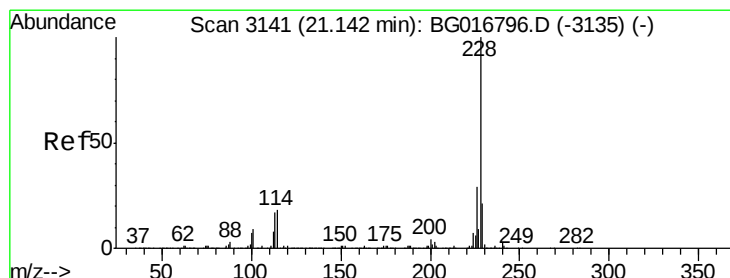
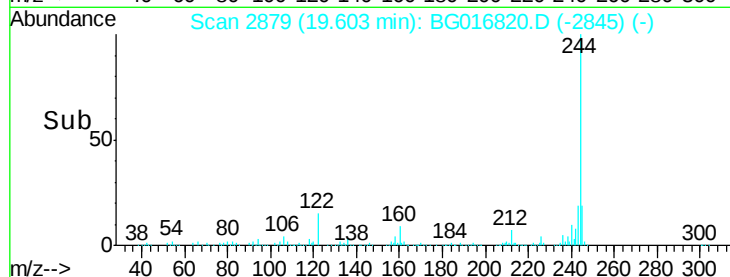
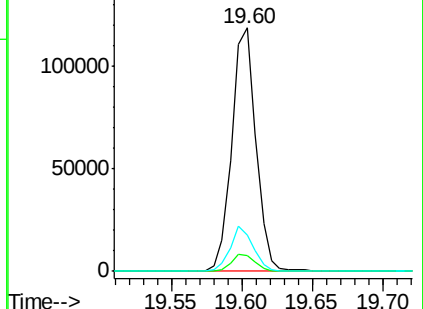
122 15.0 16.4 24.6#



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: 5.69 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

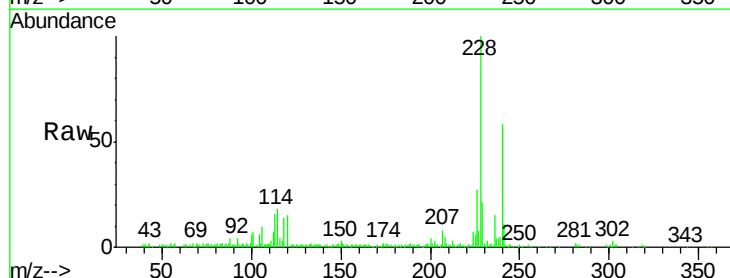
Tgt Ion:228 Resp: 78279

Ion Ratio Lower Upper

228 100

226 26.6 23.4 35.0

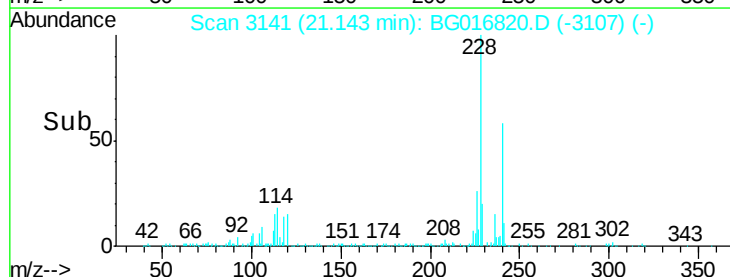
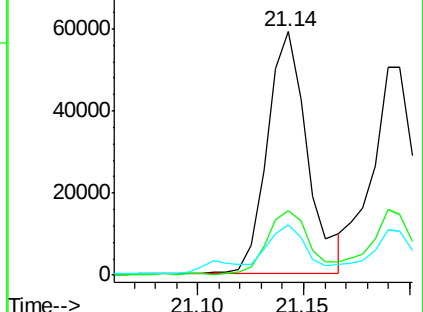
229 20.9 17.0 25.6

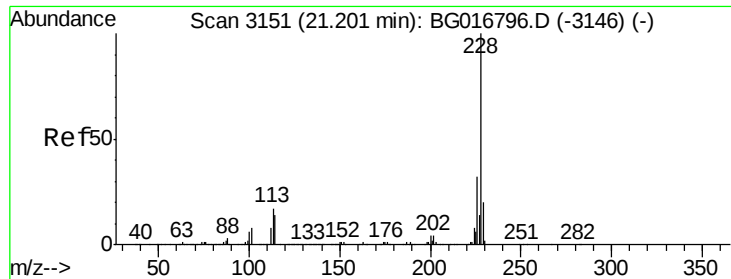


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.37 ng

RT: 21.19 min Scan# 3149

Delta R.T. -0.01 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

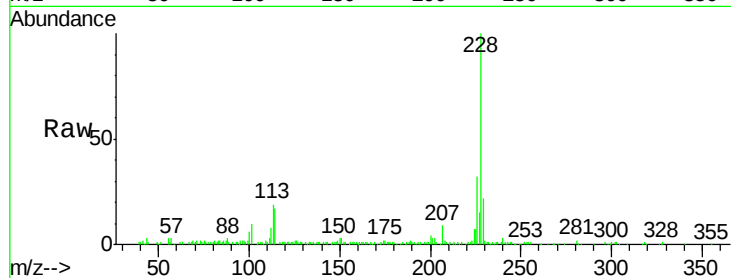
Tgt Ion:228 Resp: 69886

Ion Ratio Lower Upper

228 100

226 31.6 25.1 37.7

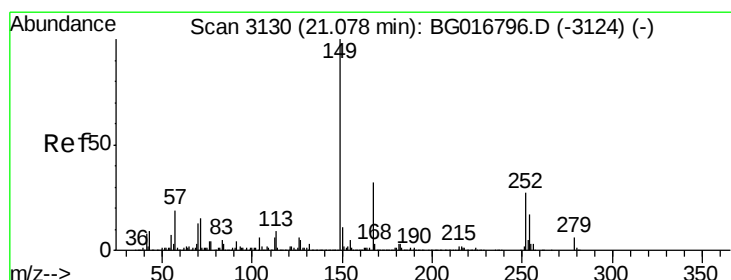
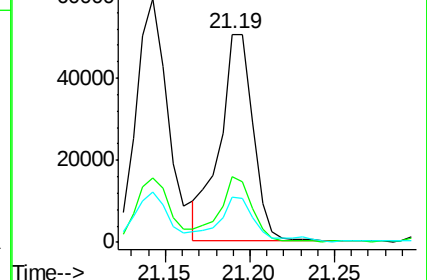
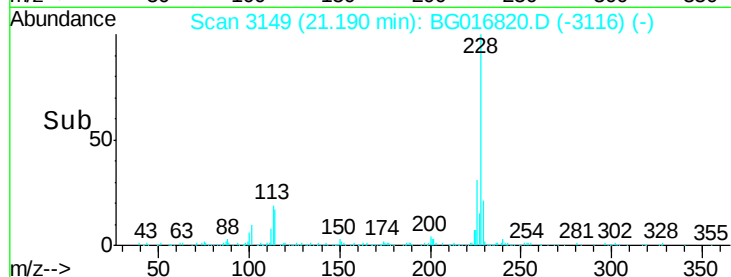
229 21.6 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.00 ng

RT: 21.07 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

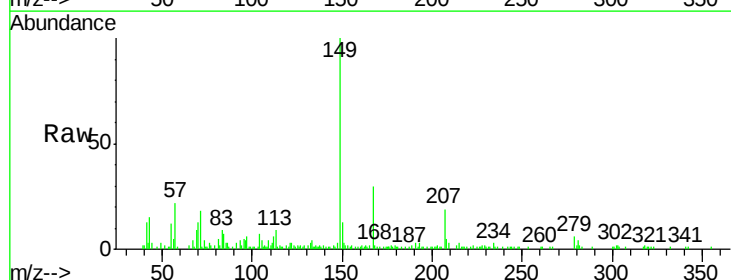
Tgt Ion:149 Resp: 21870

Ion Ratio Lower Upper

149 100

167 29.6 25.9 38.9

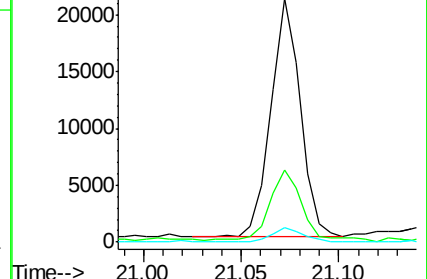
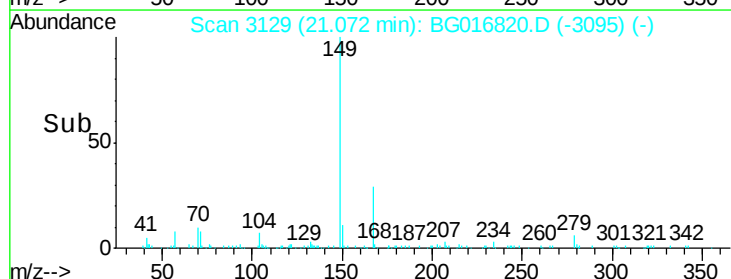
279 5.8 5.0 7.4

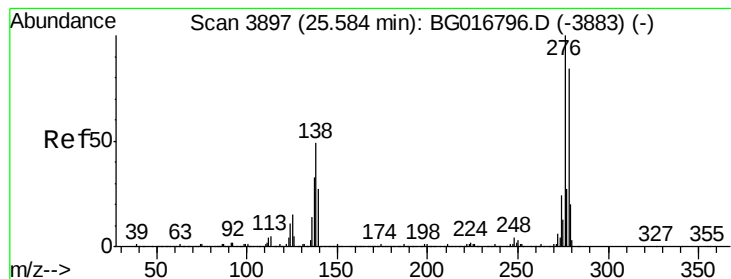


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.81 ng

RT: 25.57 min Scan# 3895

Delta R.T. -0.01 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

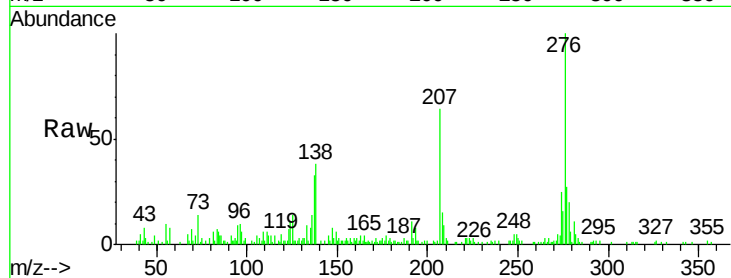
Tgt Ion:276 Resp: 41640

Ion Ratio Lower Upper

276 100

138 39.7 37.0 55.6

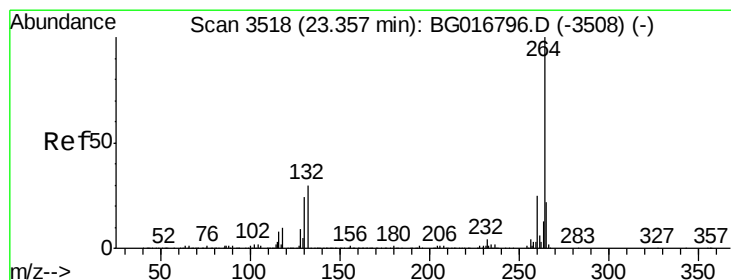
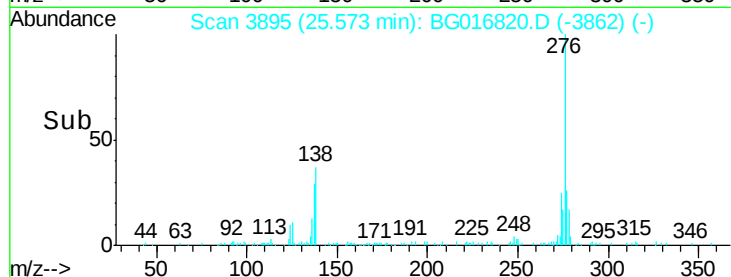
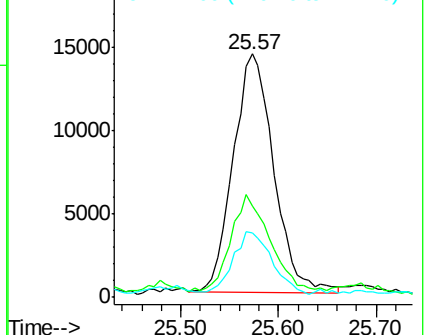
277 25.0 21.4 32.0



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: BG016820.D

Acq: 30 Apr 2015 5:31

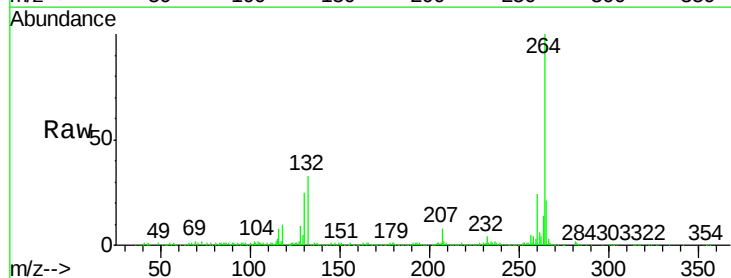
Tgt Ion:264 Resp: 227708

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

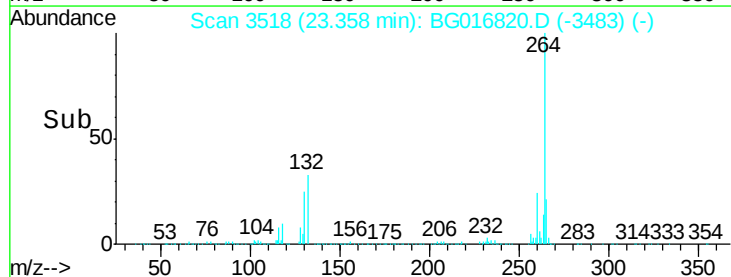
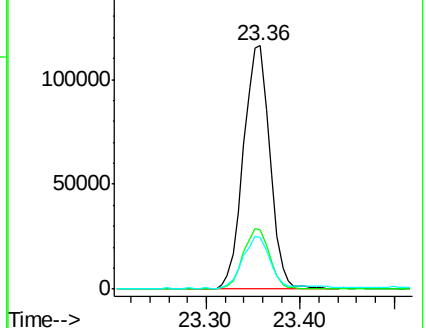
265 21.4 17.4 26.2

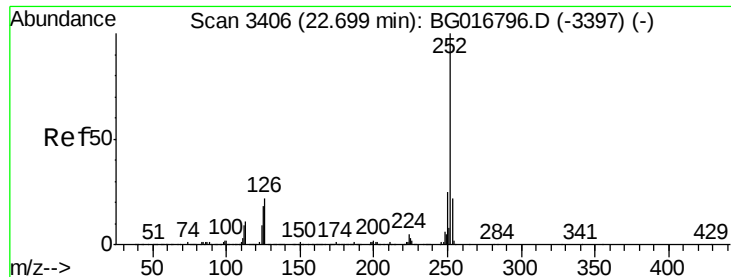


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.11 ng

RT: 22.69 min Scan# 3405

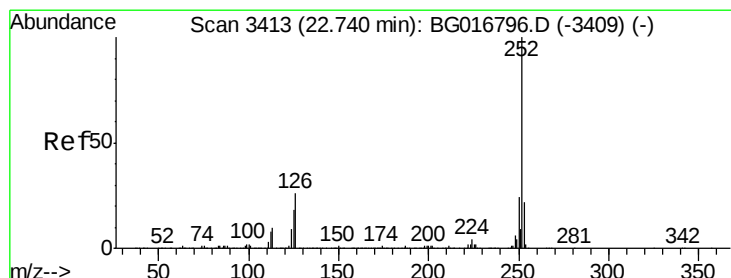
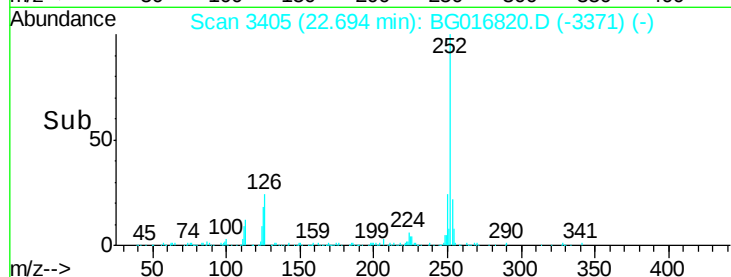
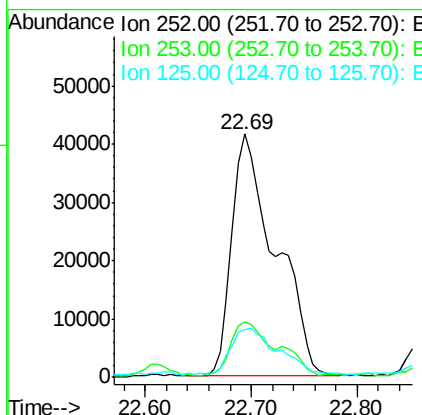
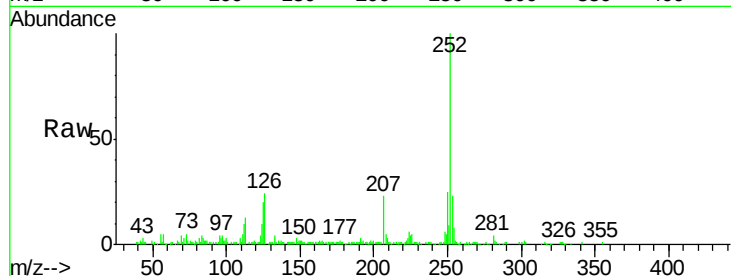
Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :
BNA_G
ClientSampleId :
SB3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	19.8	14.2	21.2



#88

Benzo(k)fluoranthene

Concen: 9.38 ng

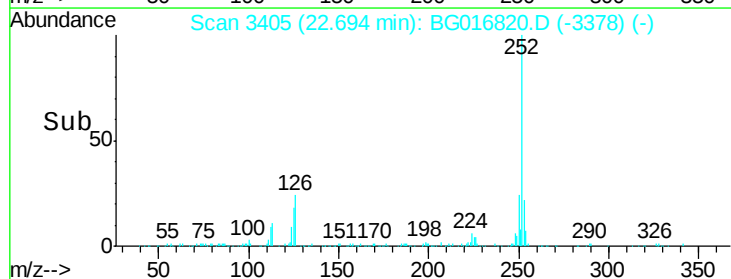
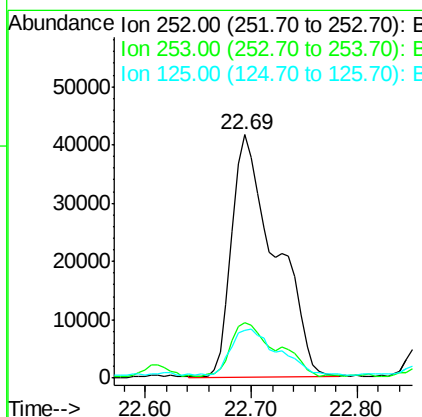
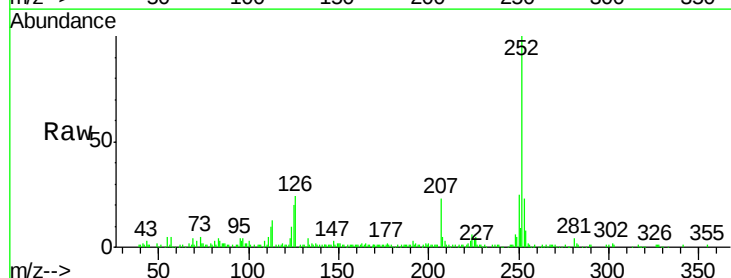
RT: 22.69 min Scan# 3405

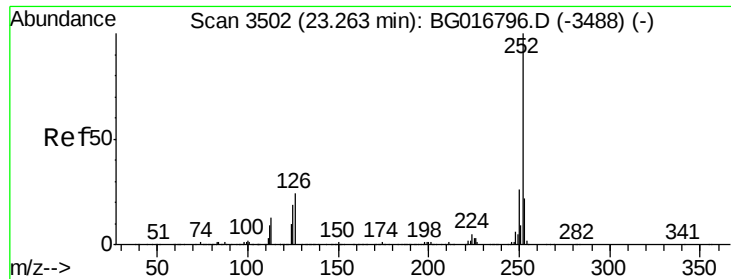
Delta R.T. -0.04 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	19.8	14.5	21.7





#89

Benzo(a)pyrene

Concen: 5.44 ng

RT: 23.26 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

Instrument :

BNA_G

ClientSampleId :

SB3

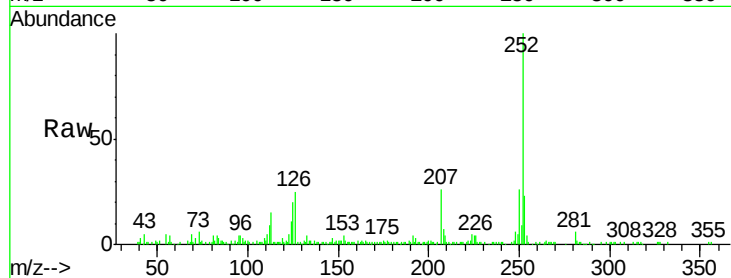
Tgt Ion:252 Resp: 66811

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

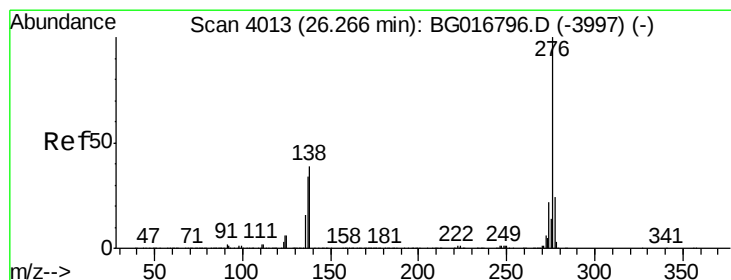
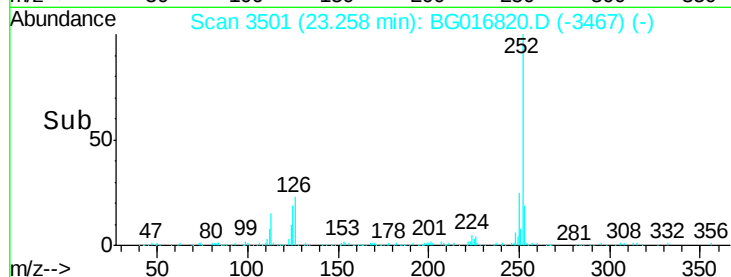
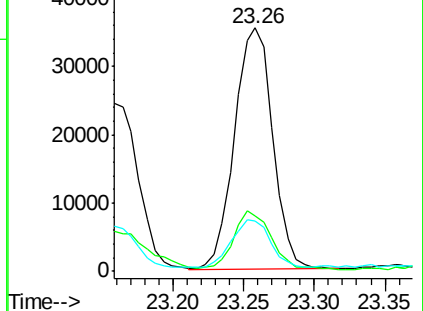
125 20.5 15.0 22.4



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: 3.34 ng

RT: 26.26 min Scan# 4012

Delta R.T. -0.00 min

Lab File: BG016820.D

Acq: 30 Apr 2015 5:31

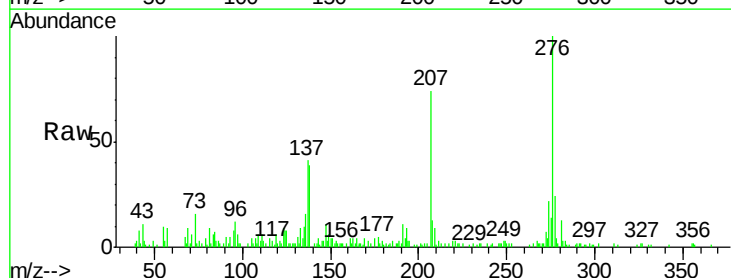
Tgt Ion:276 Resp: 41628

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 39.2 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

