

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042715\
 Data File : BG016735.D
 Acq On : 27 Apr 2015 14:19
 Operator : TP/IZ
 Sample : G1950-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PS-21(2-5)

Quant Time: Apr 28 01:28:19 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 00:54:32 2015
 Response via : Initial Calibration

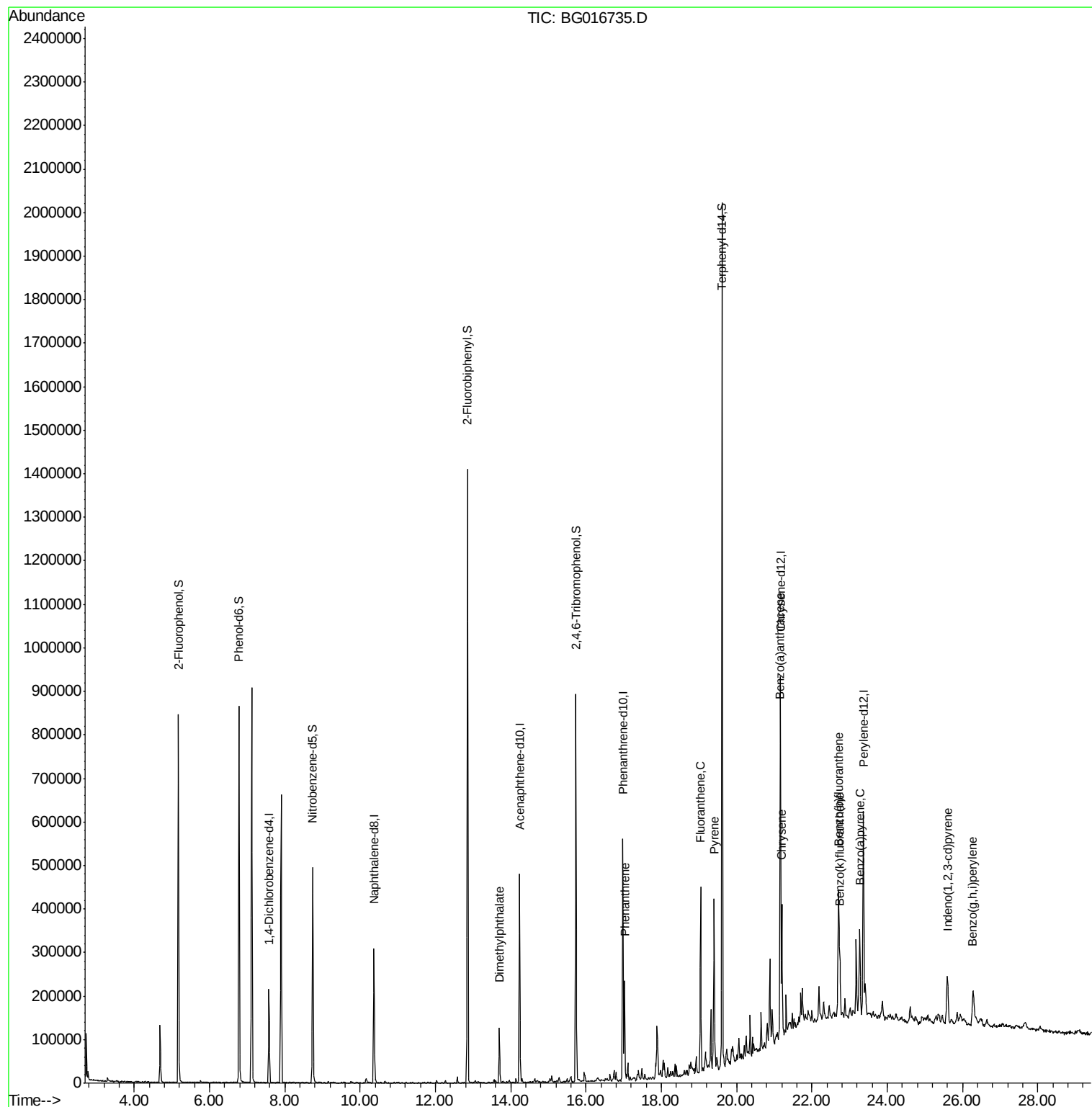
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	61974	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	273033	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	160908	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	312417	20.00	ng	0.00
75) Chrysene-d12	21.17	240	283429	20.00	ng	0.00
86) Perylene-d12	23.37	264	271622	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	411338	107.71	ng	0.00
7) Phenol-d6	6.78	99	573362	107.01	ng	0.00
23) Nitrobenzene-d5	8.74	82	288893	66.86	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	128790	107.89	ng	0.00
44) 2-Fluorobiphenyl	12.85	172	694858	69.38	ng	0.00
78) Terphenyl-d14	19.62	244	736370	59.85	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.70	163	86713	7.20	ng	99
70) Phenanthrene	17.02	178	132535	7.38	ng	98
74) Fluoranthene	19.05	202	232120	12.21	ng	95
77) Pyrene	19.41	202	221826	11.14	ng	98
80) Benzo(a)anthracene	21.16	228	149199	8.68	ng	98
82) Chrysene	21.20	228	150908	9.16	ng	97
85) Indeno(1,2,3-cd)pyrene	25.60	276	97264	5.42	ng	89
87) Benzo(b)fluoranthene	22.71	252	199750m	12.11	ng	
88) Benzo(k)fluoranthene	22.75	252	73209m	4.55	ng	
89) Benzo(a)pyrene	23.28	252	122702	7.89	ng	98
91) Benzo(g,h,i)perylene	26.28	276	93549	6.08	ng	99

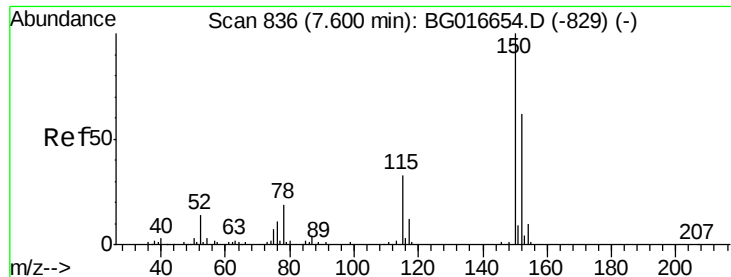
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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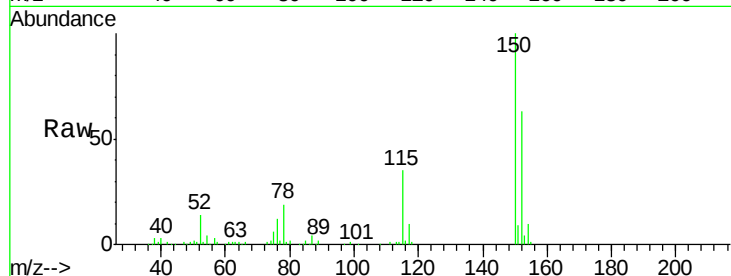


#1

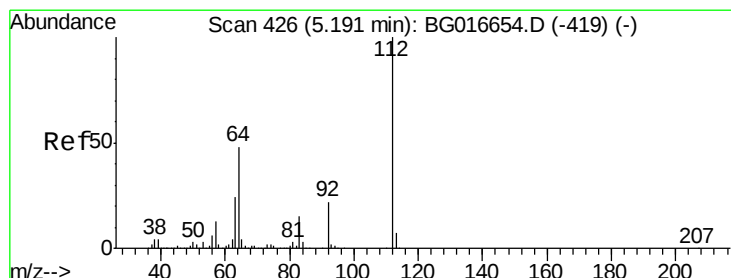
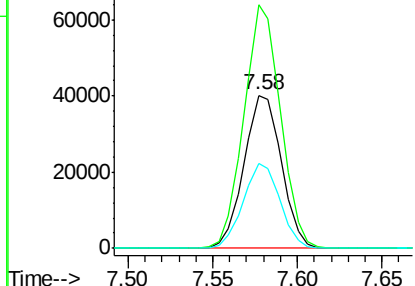
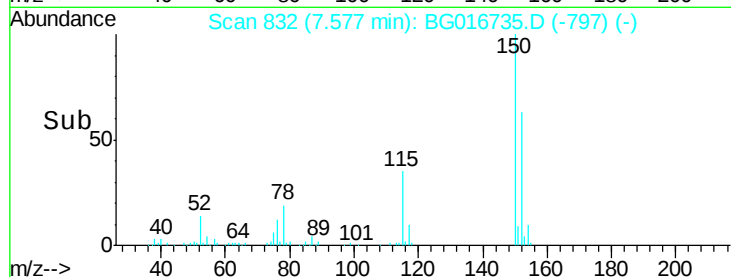
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.58 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

Instrument :
BNA_G
ClientSampleId :
PS-21(2-5)

Tot Ion:152 Resp: 61974
Ion Ratio Lower Upper
152 100
150 159.1 129.6 194.4
115 55.5 43.0 64.6



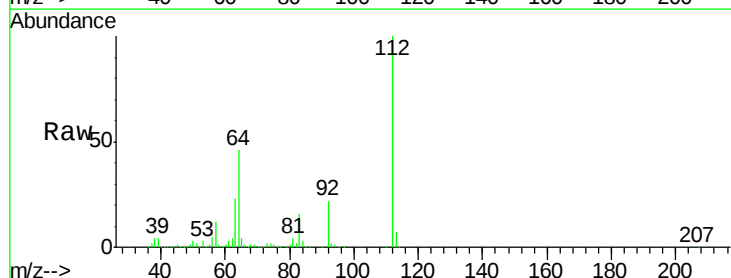
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



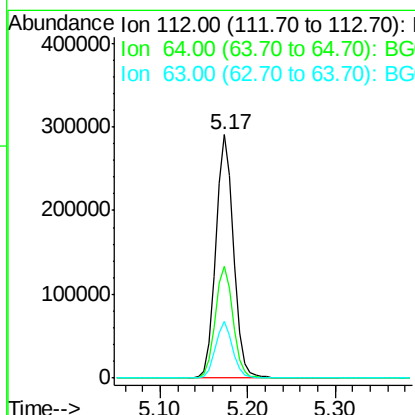
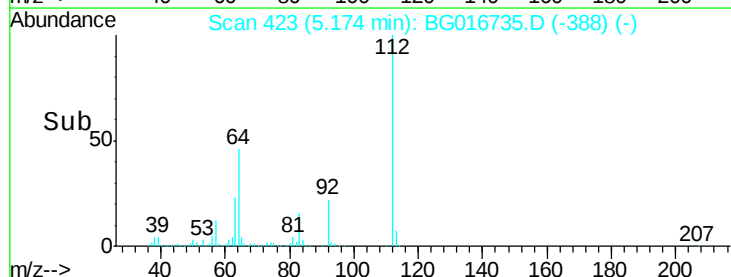
#5

2-Fluorophenol
Concen: 107.71 ng
RT: 5.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

Tgt Ion:112 Resp: 411338
Ion Ratio Lower Upper
112 100
64 46.1 38.3 57.5
63 23.5 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 107.01 ng

RT: 6.78 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

BNA_G

ClientSampleId :

PS-21(2-5)

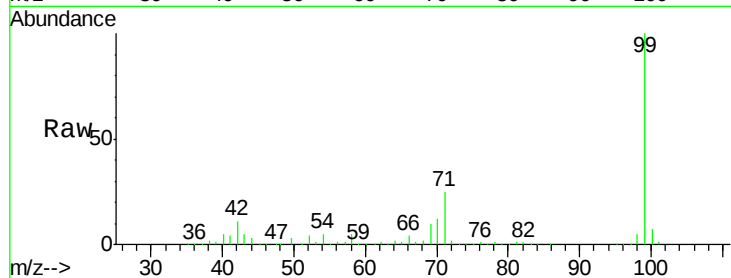
Tot Ion: 99 Resp: 573362

Ion Ratio Lower Upper

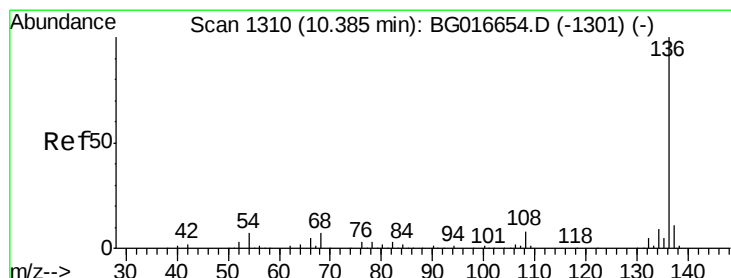
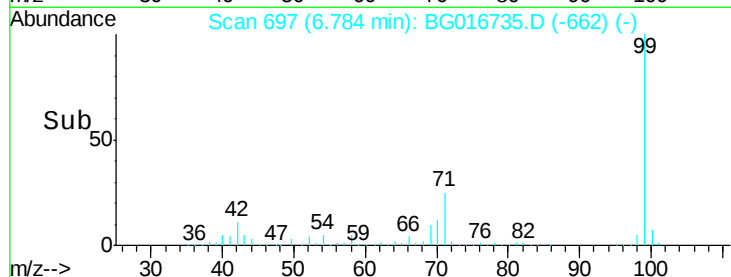
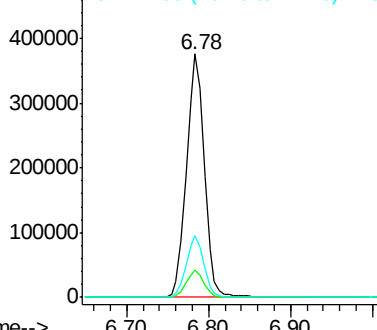
99 100

42 11.3 8.8 13.2

71 25.5 19.9 29.9



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.37 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Tgt Ion: 136 Resp: 273033

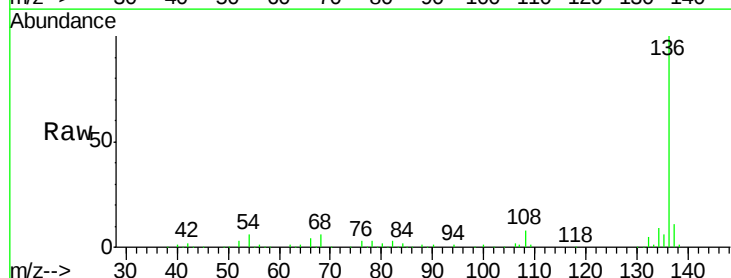
Ion Ratio Lower Upper

136 100

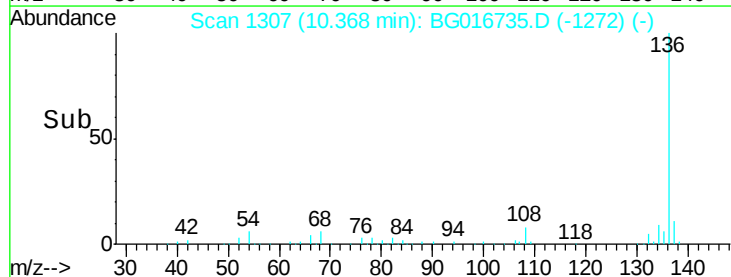
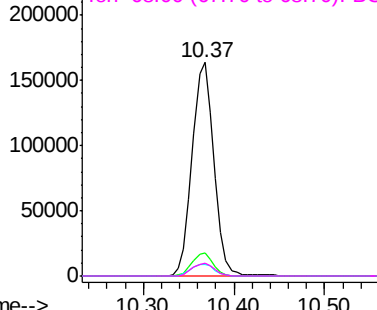
137 11.0 8.5 12.7

54 5.7 5.4 8.2

68 5.7 5.2 7.8



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

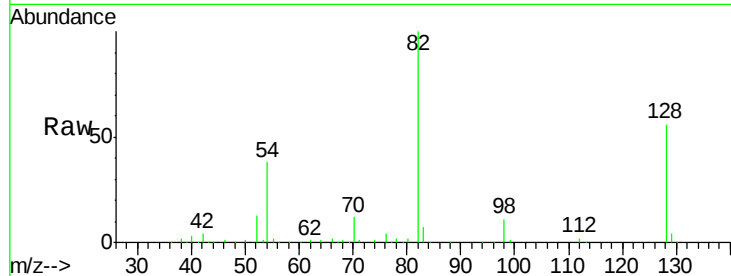




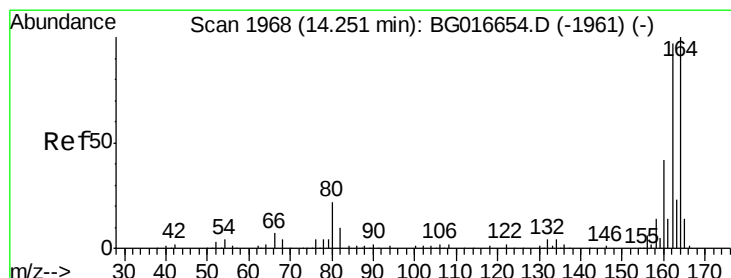
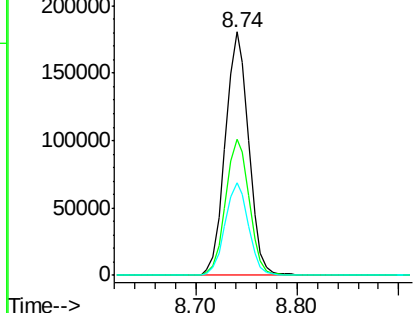
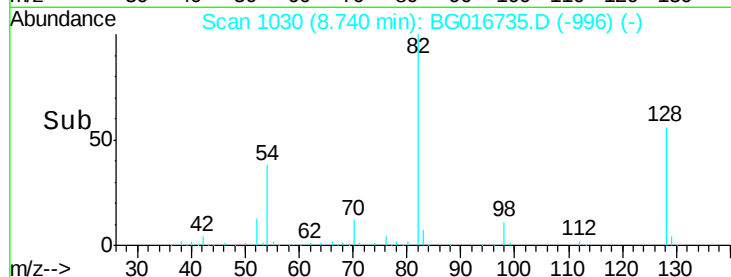
#23
 Nitrobenzene-d5
 Concen: 66.86 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

Instrument :
 BNA_G
 ClientSampleId :
 PS-21(2-5)

Tot Ion	82	Resp	288893
Ion Ratio	Lower	Upper	
82	100		
128	56.1	44.7	67.1
54	37.8	30.9	46.3

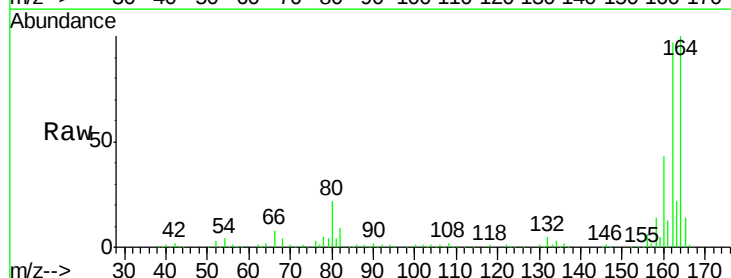


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

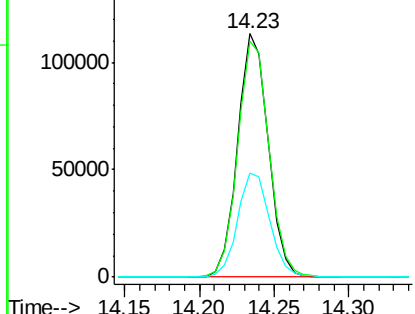
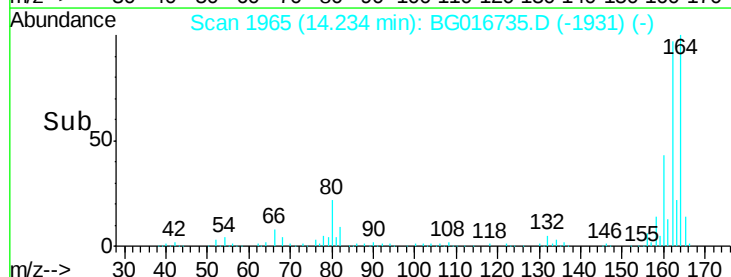


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.23 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

Tgt Ion	164	Resp	160908
Ion Ratio	Lower	Upper	
164	100		
162	96.7	77.3	115.9
160	42.7	33.7	50.5



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

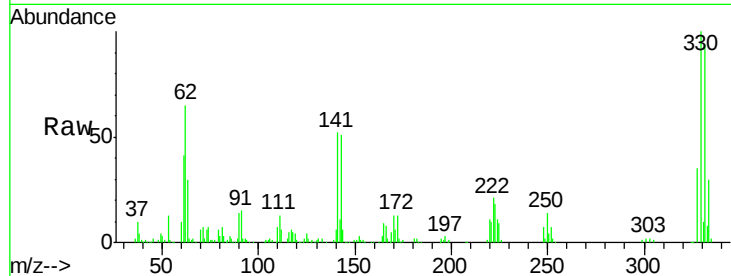




#41
 2,4,6-Tribromophenol
 Concen: 107.89 ng
 RT: 15.73 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

Instrument :
 BNA_G
 ClientSampleId :
 PS-21(2-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.2	114.4
141	50.8	43.0	64.6

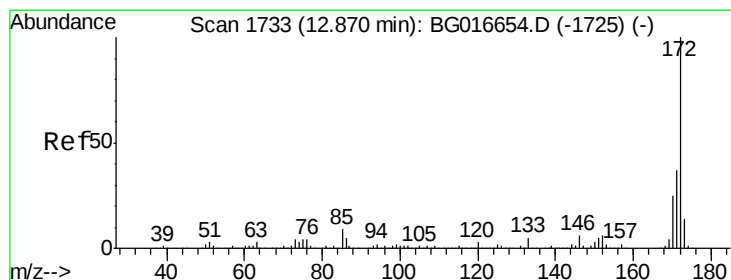
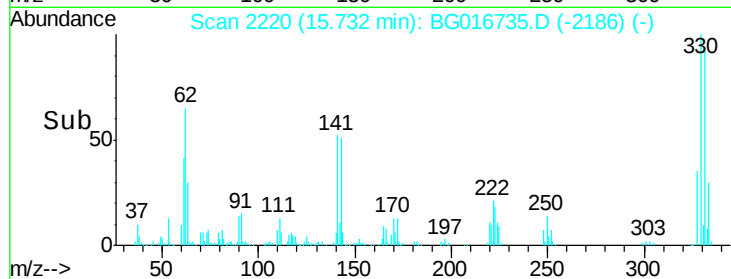
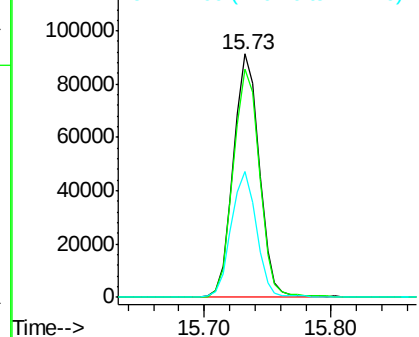


Abundance

Ion 329.80 (329.50 to 330.50): E

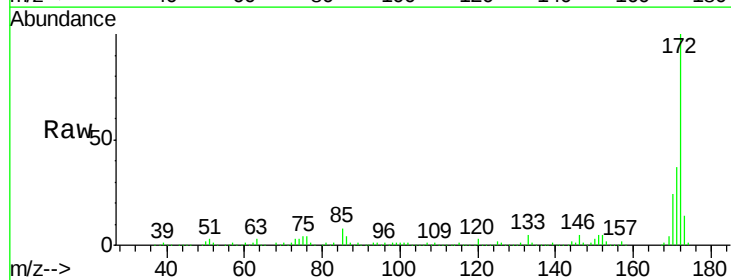
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 69.38 ng
 RT: 12.85 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.9	44.9
170	23.7	19.8	29.8

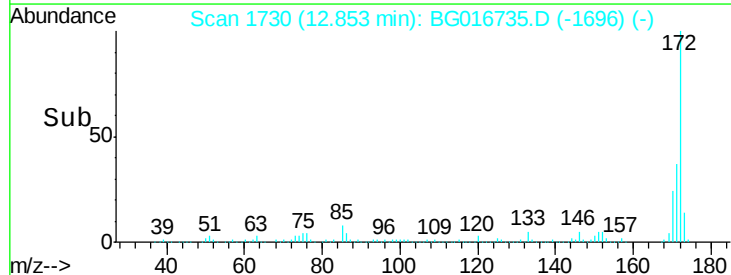
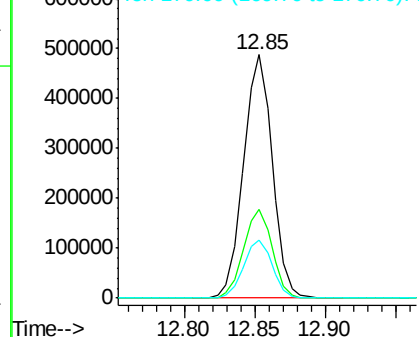


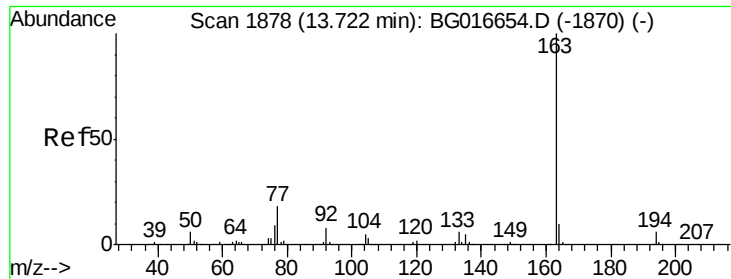
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 7.20 ng

RT: 13.70 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

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ClientSampleId :

PS-21(2-5)

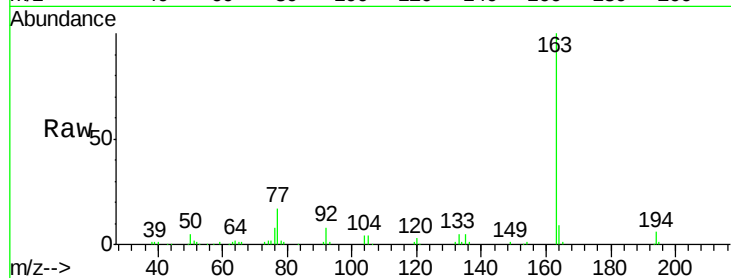
Tot Ion:163 Resp: 86713

Ion Ratio Lower Upper

163 100

194 6.5 5.0 7.4

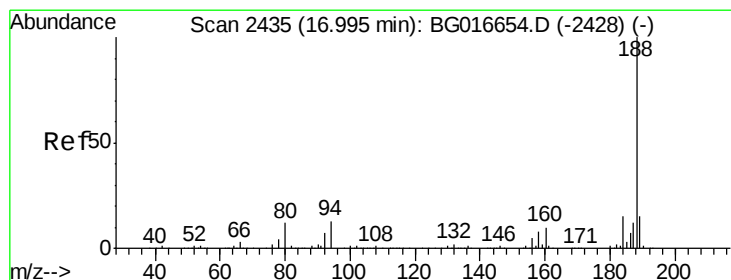
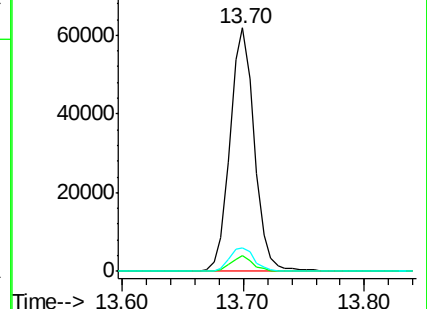
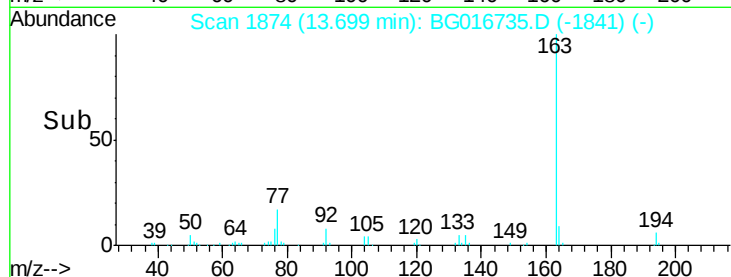
164 9.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.98 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

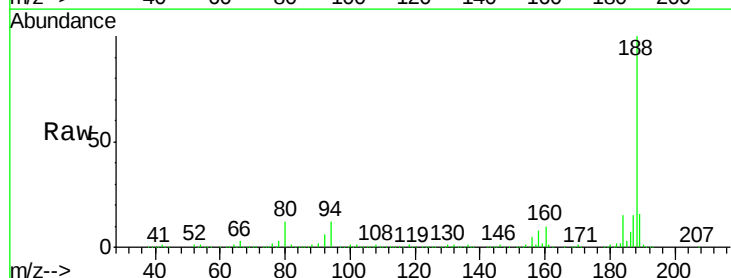
Tgt Ion:188 Resp: 312417

Ion Ratio Lower Upper

188 100

94 11.7 10.7 16.1

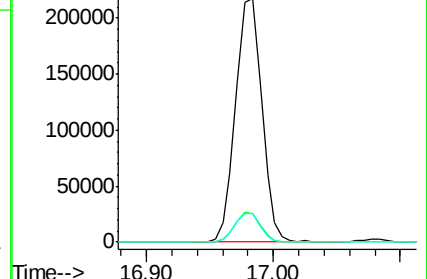
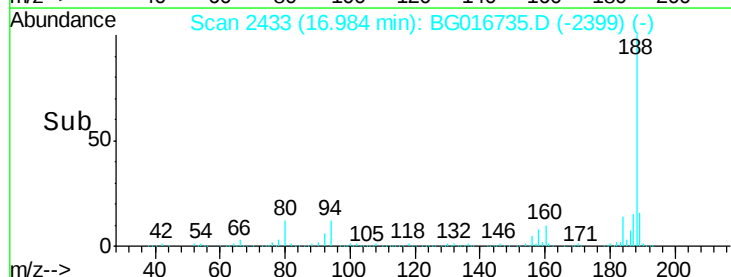
80 11.7 9.9 14.9

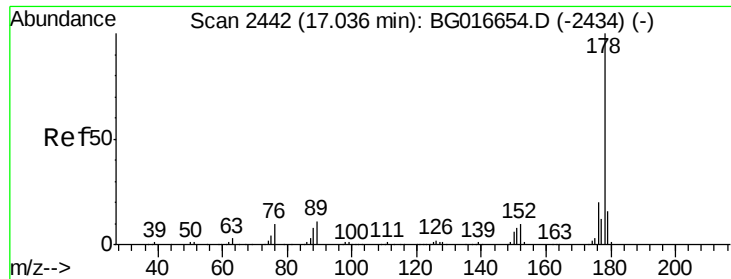


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 7.38 ng

RT: 17.02 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

BNA_G

ClientSampleId :

PS-21(2-5)

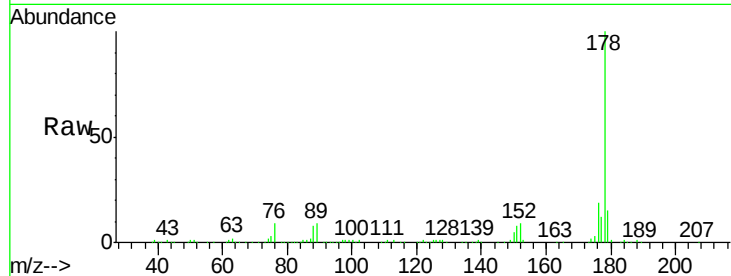
Tot Ion:178 Resp: 132535

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

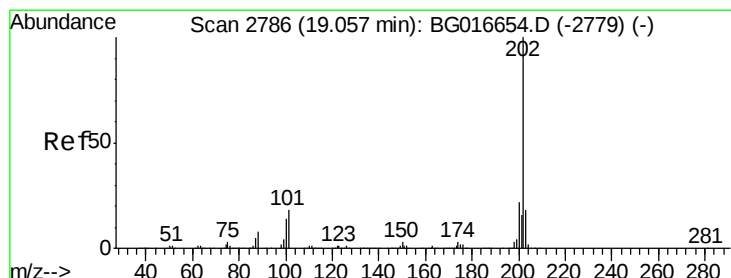
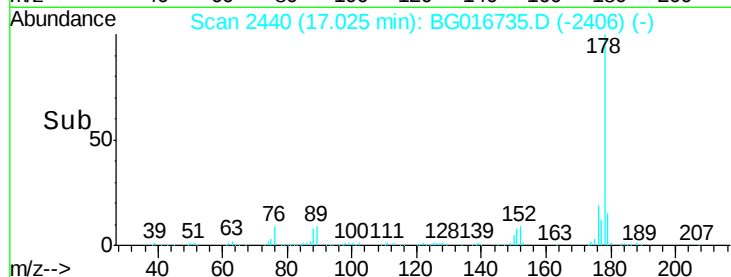
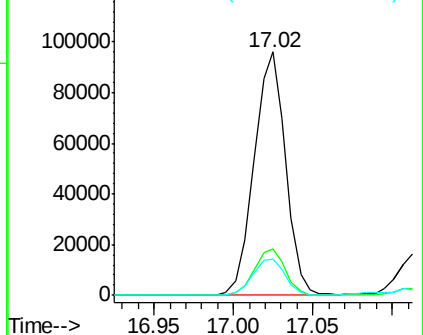
179 14.9 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 12.21 ng

RT: 19.05 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

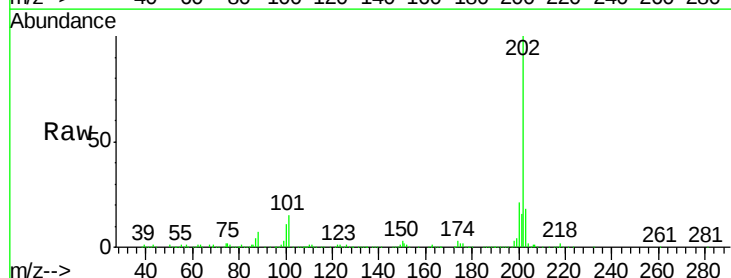
Tgt Ion:202 Resp: 232120

Ion Ratio Lower Upper

202 100

101 14.9 0.0 38.1

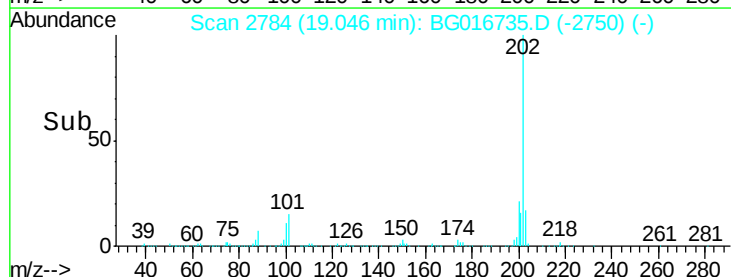
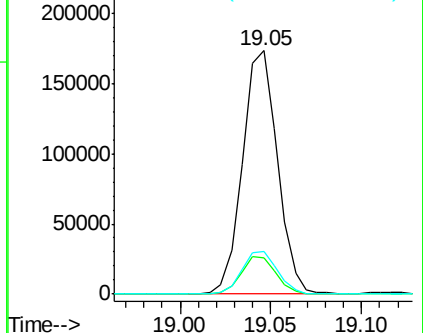
203 17.5 0.0 38.4

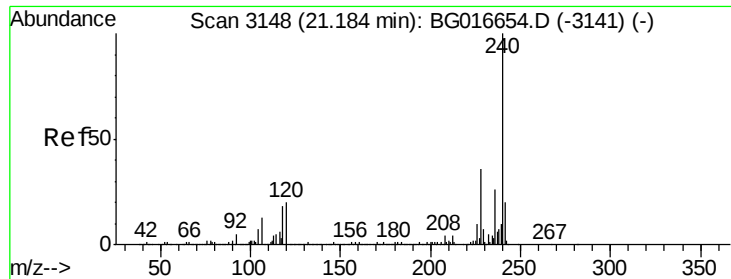


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.17 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

BNA_G

ClientSampleId :

PS-21(2-5)

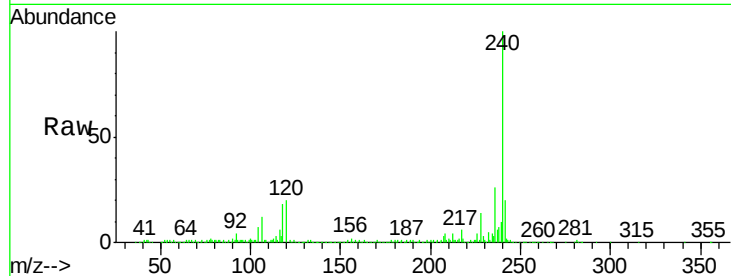
Tot Ion:240 Resp: 283429

Ion Ratio Lower Upper

240 100

120 20.2 16.3 24.5

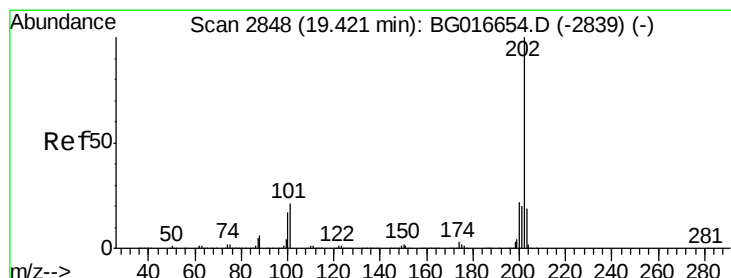
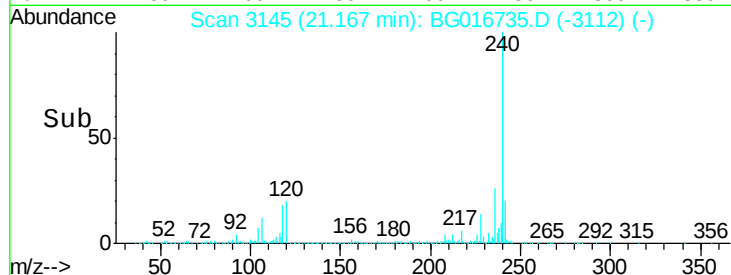
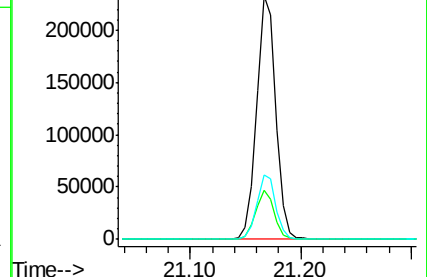
236 26.3 21.1 31.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.14 ng

RT: 19.41 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

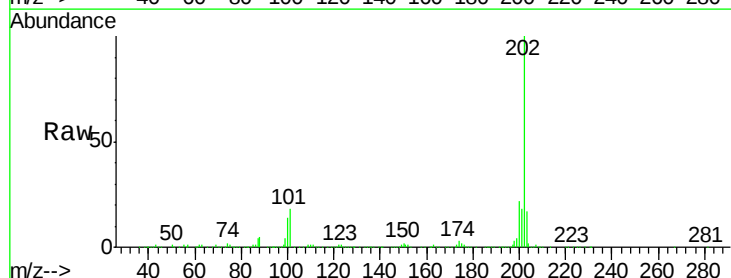
Tgt Ion:202 Resp: 221826

Ion Ratio Lower Upper

202 100

200 21.9 18.0 27.0

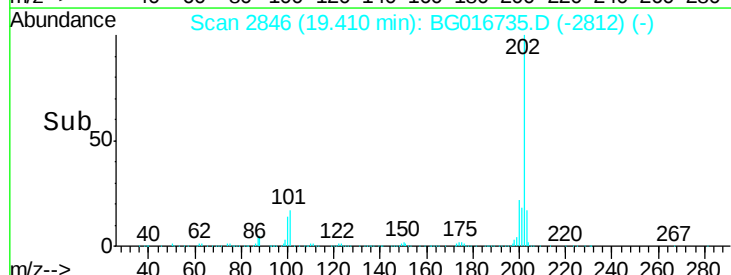
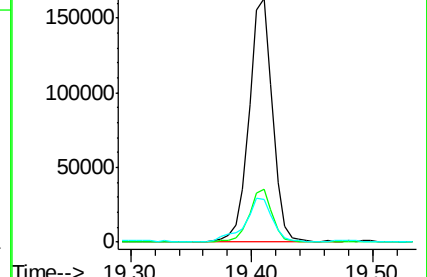
203 17.5 14.9 22.3

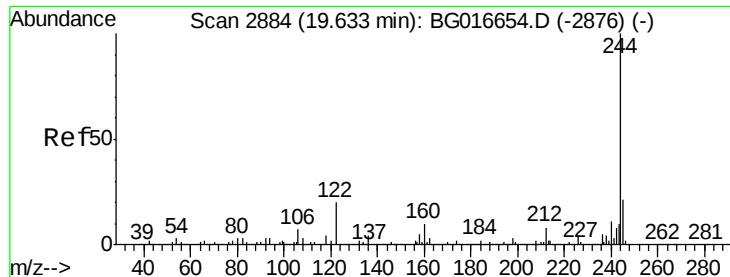


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.85 ng

RT: 19.62 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

BNA_G

ClientSampleId :

PS-21(2-5)

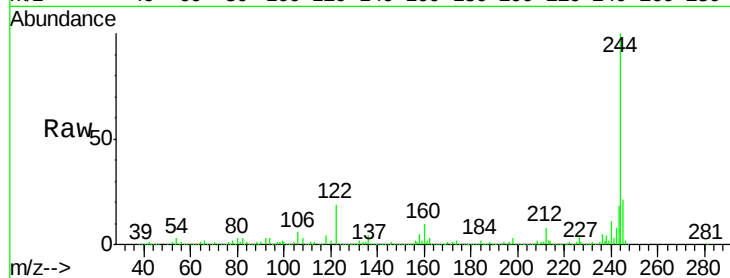
Tot Ion:244 Resp: 736370

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

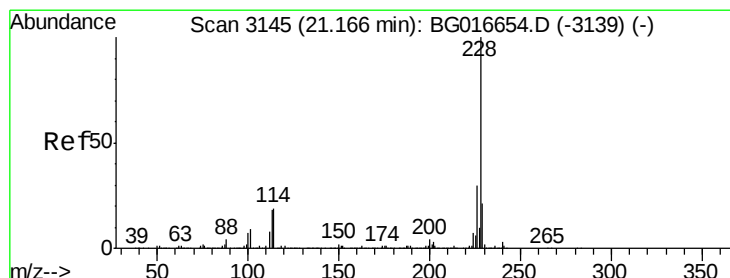
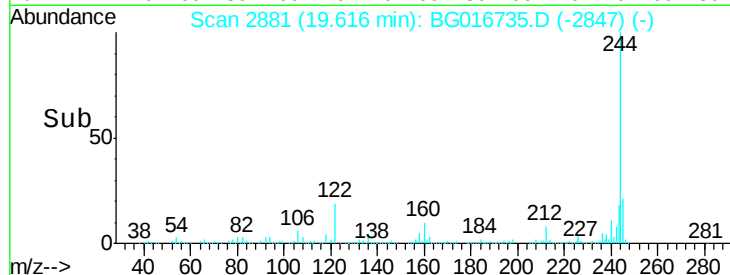
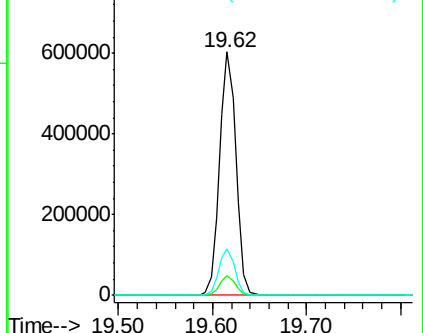
122 19.3 15.9 23.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 8.68 ng

RT: 21.16 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

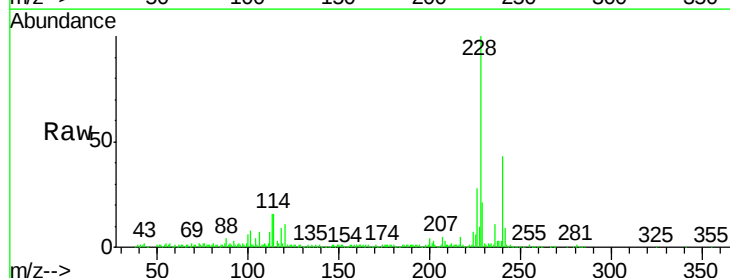
Tgt Ion:228 Resp: 149199

Ion Ratio Lower Upper

228 100

226 27.7 23.8 35.6

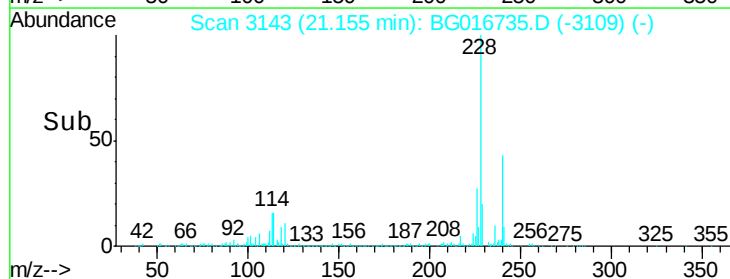
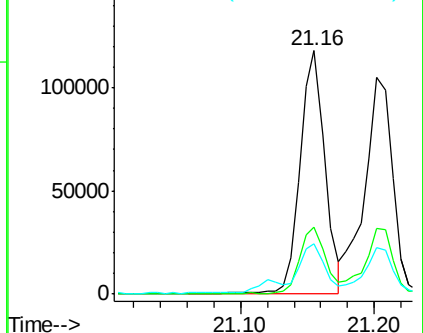
229 20.8 17.0 25.4

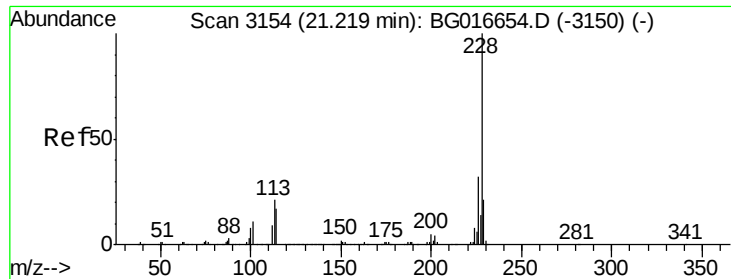


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.16 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.01 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

BNA_G

ClientSampleId :

PS-21(2-5)

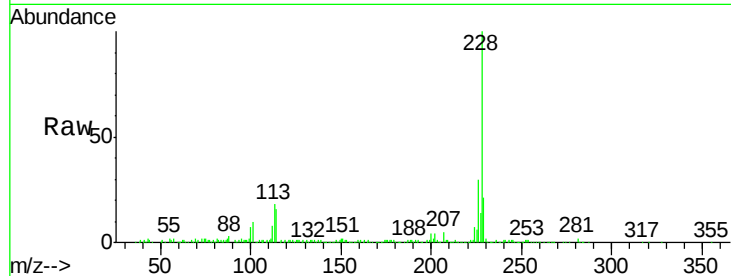
Tot Ion:228 Resp: 150908

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

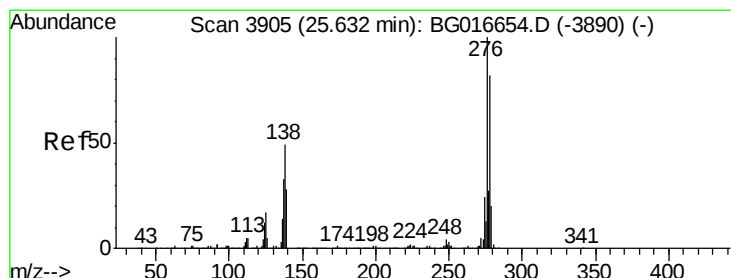
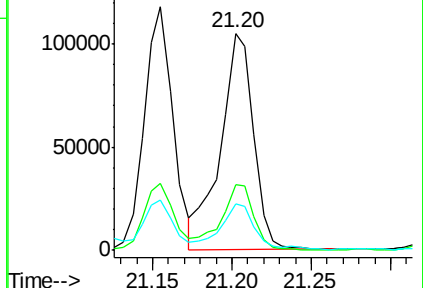
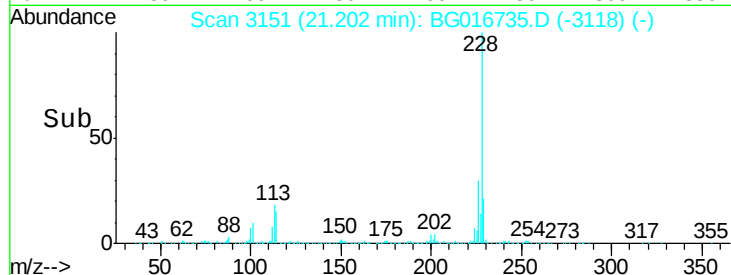
229 21.3 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.42 ng

RT: 25.60 min Scan# 3900

Delta R.T. -0.01 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

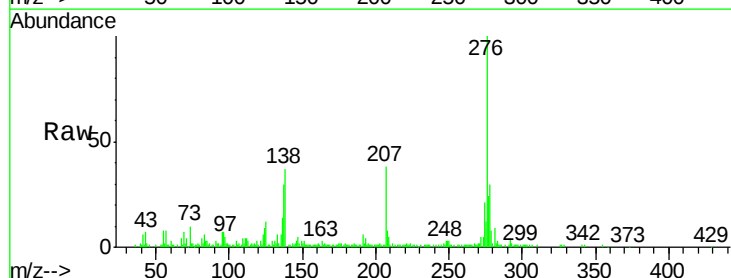
Tgt Ion:276 Resp: 97264

Ion Ratio Lower Upper

276 100

138 39.6 38.2 57.2

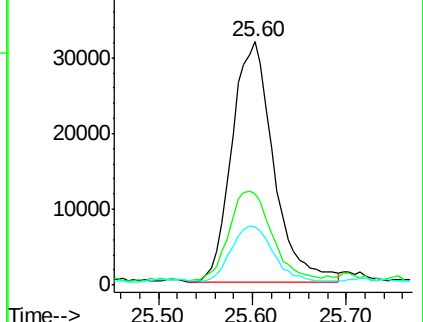
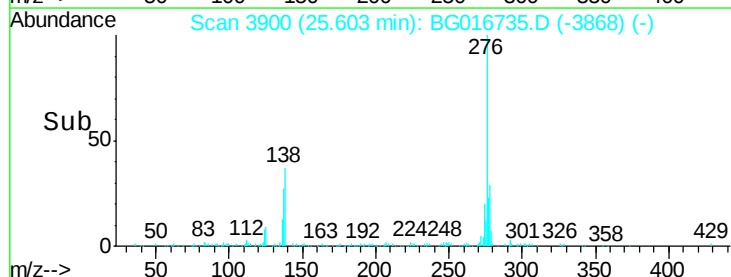
277 22.6 21.4 32.2

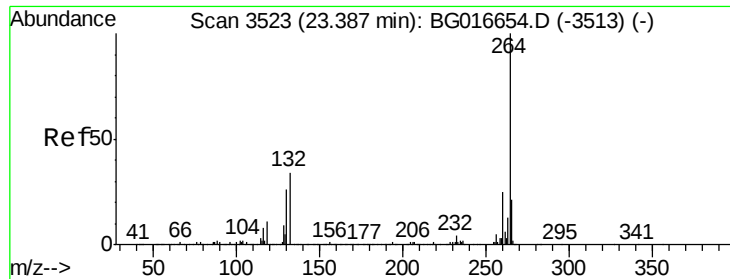


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

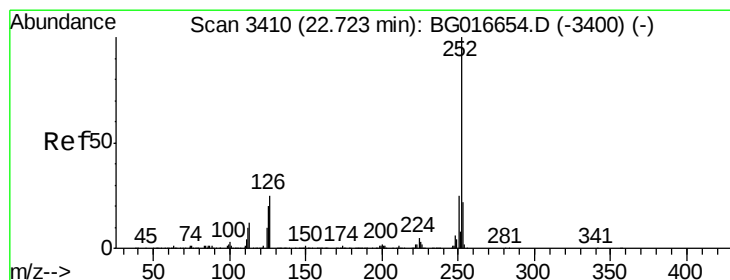
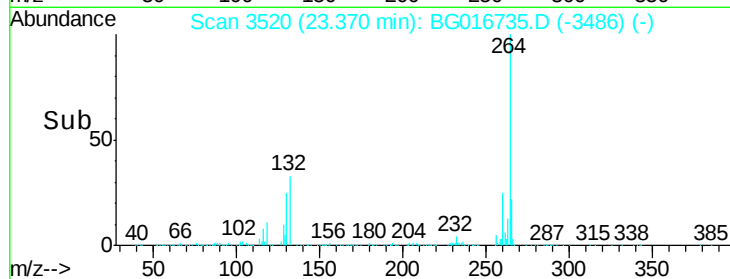
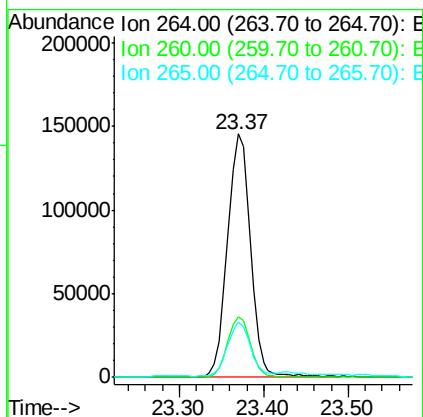
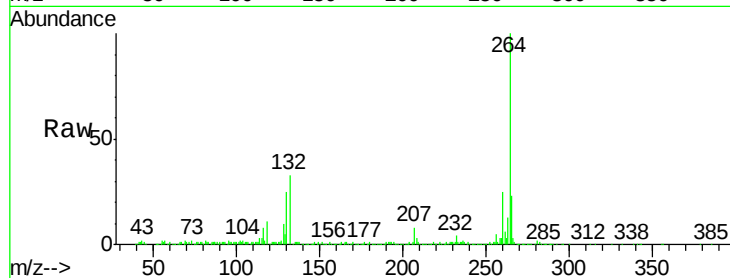




#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

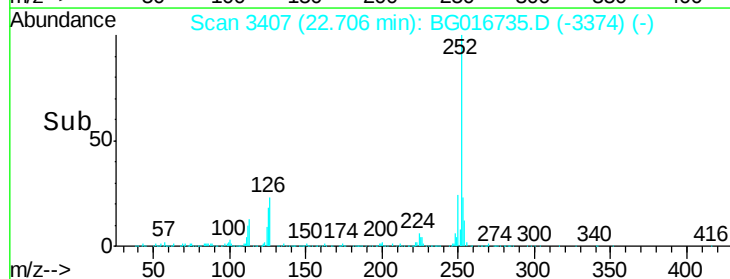
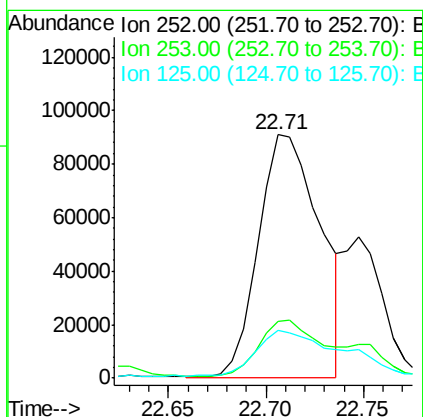
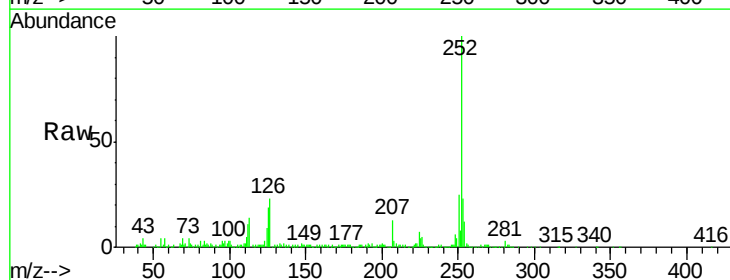
Instrument :
BNA_G
ClientSampleId :
PS-21(2-5)

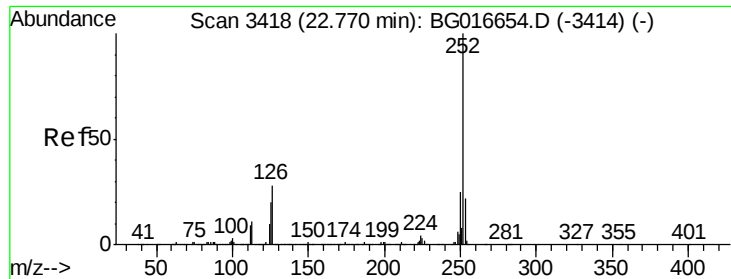
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.0	30.0
265	22.6	16.8	25.2



#87
Benzo(b)fluoranthene
Concen: 12.11 ng m
RT: 22.71 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	19.4	15.8	23.8





#88

Benzo(k)fluoranthene

Concen: 4.55 ng m

RT: 22.75 min Scan# 3414

Delta R.T. -0.01 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

Instrument :

BNA_G

ClientSampleId :

PS-21(2-5)

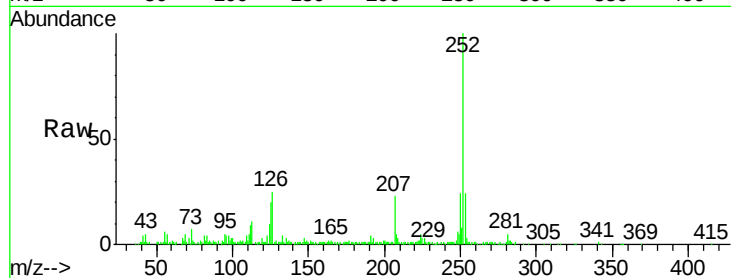
Tot Ion:252 Resp: 73209

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

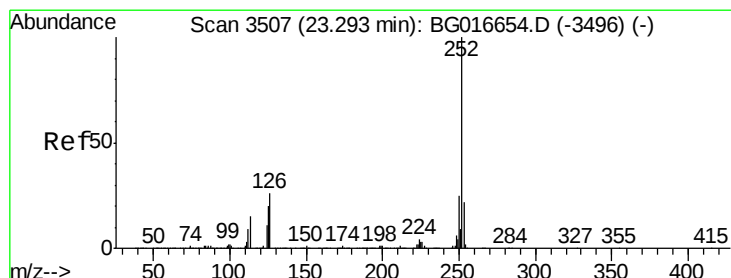
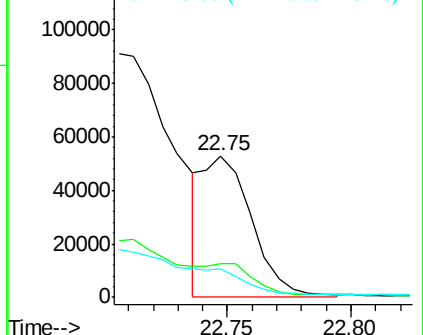
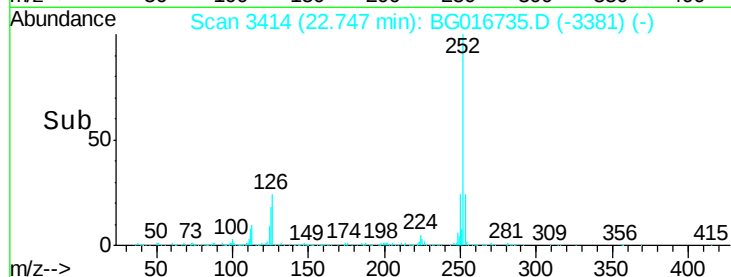
125 19.8 15.5 23.3



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



#89

Benzo(a)pyrene

Concen: 7.89 ng

RT: 23.28 min Scan# 3504

Delta R.T. -0.00 min

Lab File: BG016735.D

Acq: 27 Apr 2015 14:19

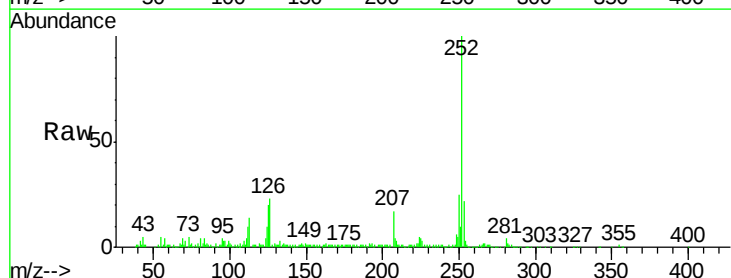
Tgt Ion:252 Resp: 122702

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

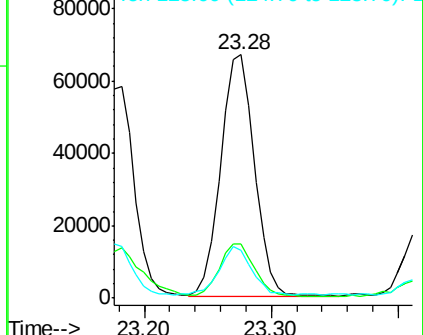
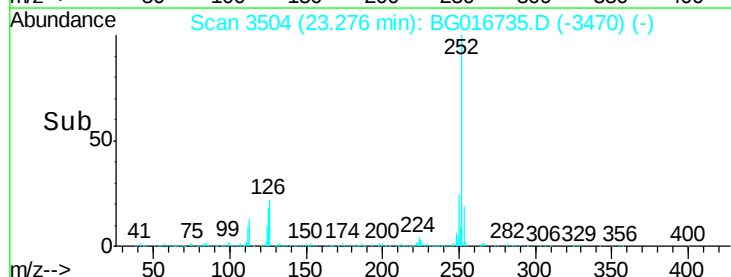
125 19.6 16.3 24.5

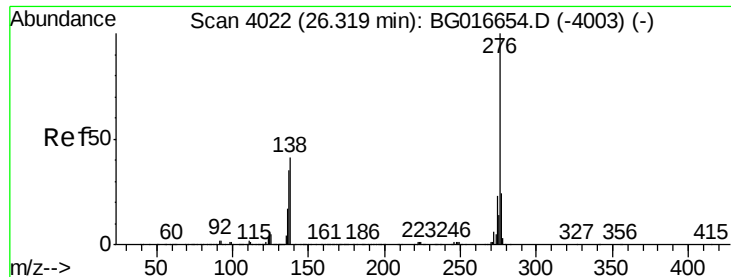


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 6.08 ng
 RT: 26.28 min Scan# 4016
 Delta R.T. -0.02 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

Instrument :
 BNA_G
 ClientSampleId :
 PS-21(2-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.3	28.9
138	40.5	32.8	49.2

