

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 01:08:26 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

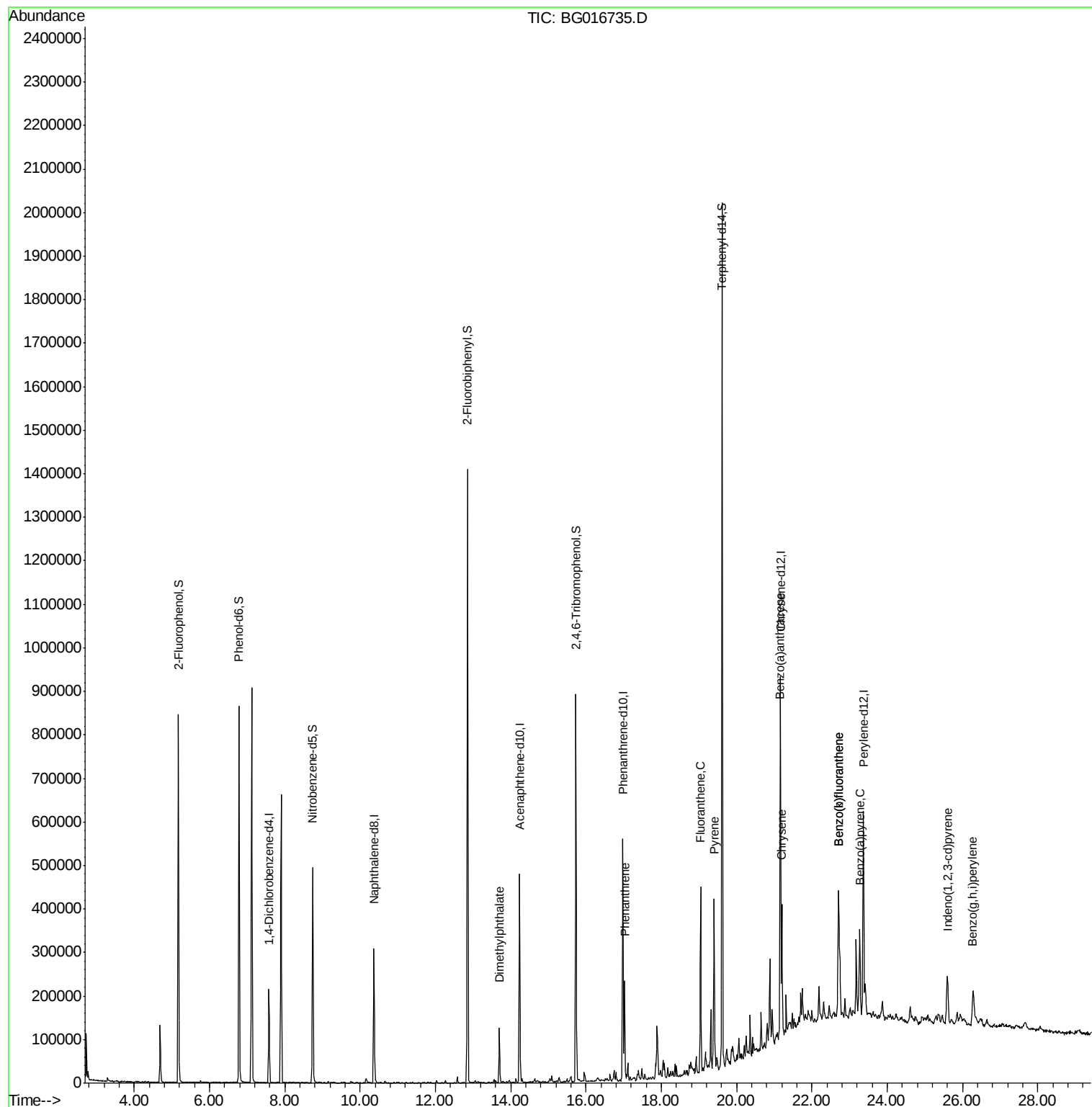
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	61974	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	273033	20.00	ng	0.00
38) Acenaphthene-d10	14.23	164	160908	20.00	ng	0.00
63) Phenanthrene-d10	16.98	188	312417	20.00	ng	0.00
75) Chrysene-d12	21.17	240	283429	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	270087	16.37	ng	99
88) Benzo(k)fluoranthene	22.71	252	270087	16.77	ng	99
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

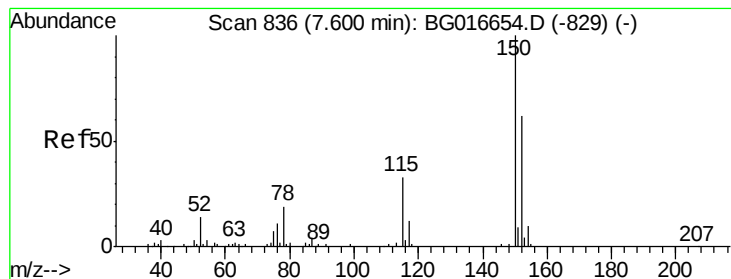
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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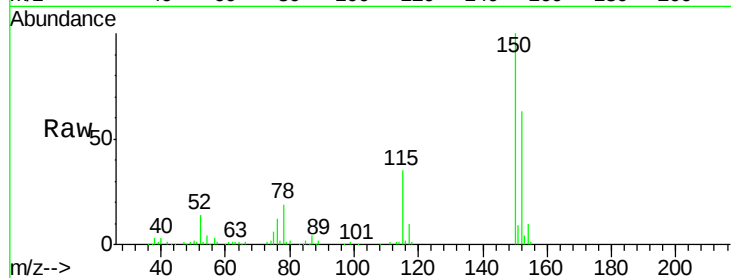


#1

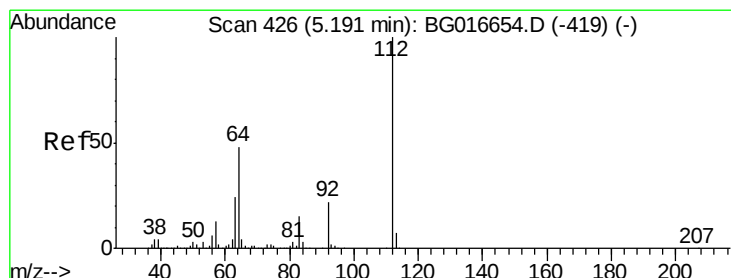
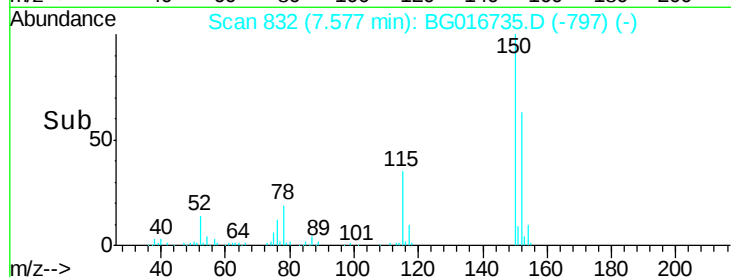
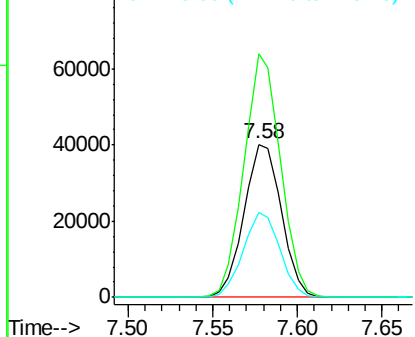
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.58 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

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

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



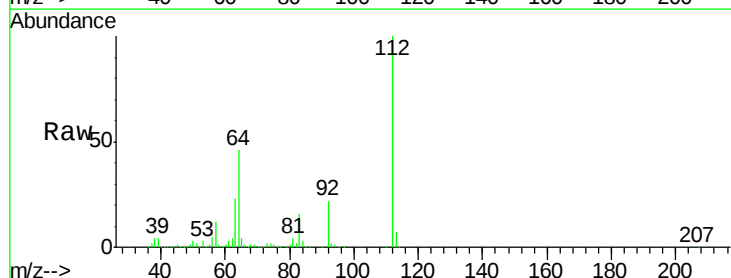
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



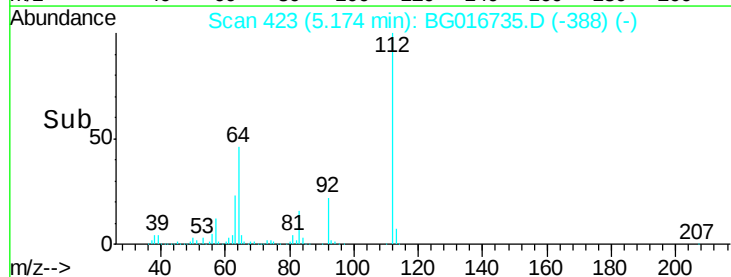
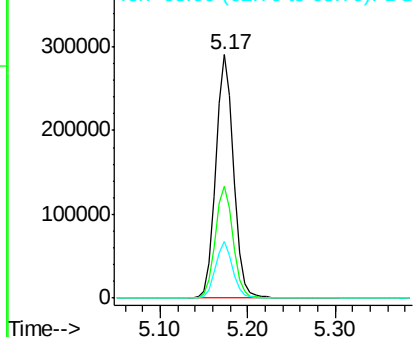
#5

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)

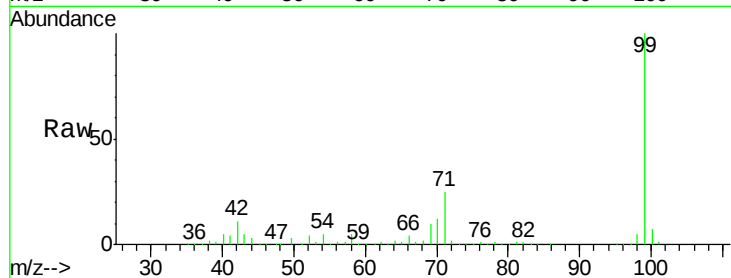
Tgt Ion: 99 Resp: 573362

Ion Ratio Lower Upper

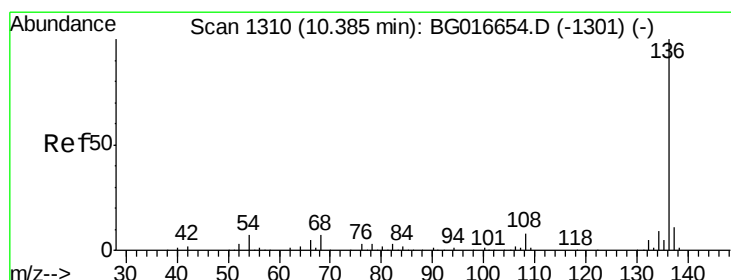
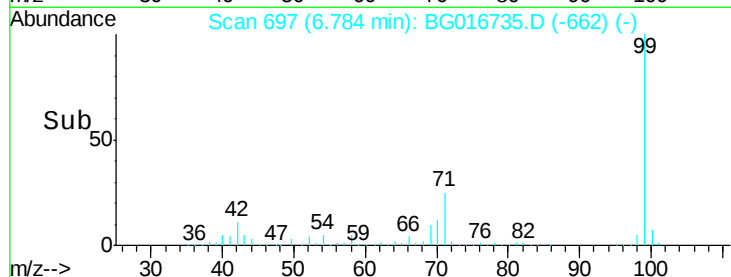
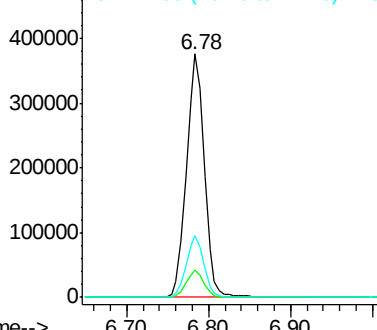
99 100

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

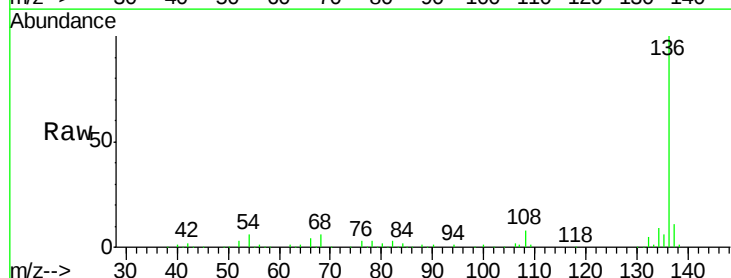
Ion Ratio Lower Upper

136 100

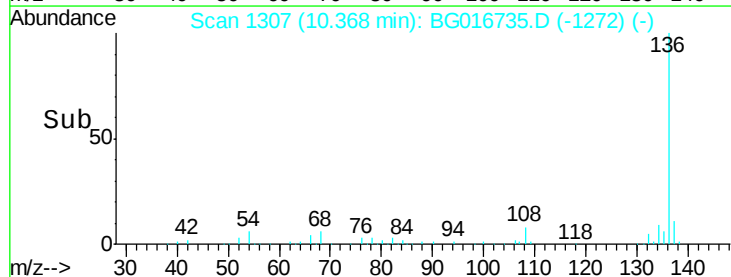
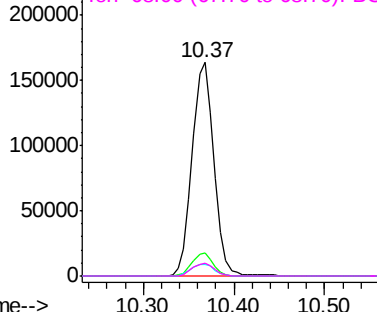
137 11.0 8.5 12.7

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

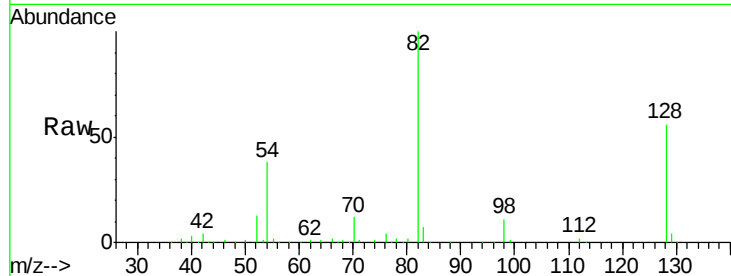




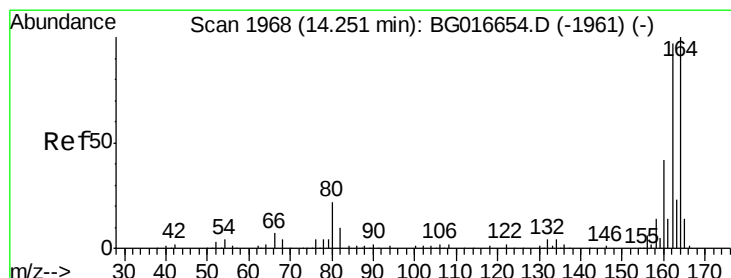
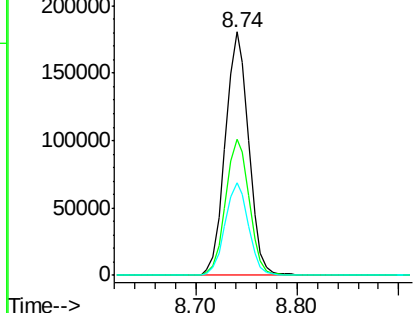
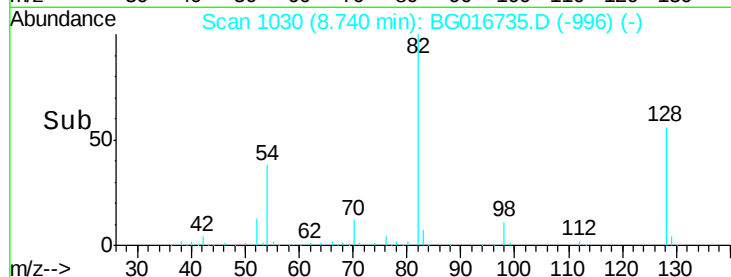
#23
Nitrobenzene-d5
Concen: 66.86 ng
RT: 8.74 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

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

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

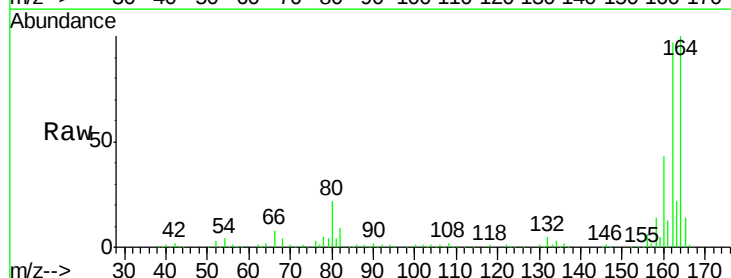


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

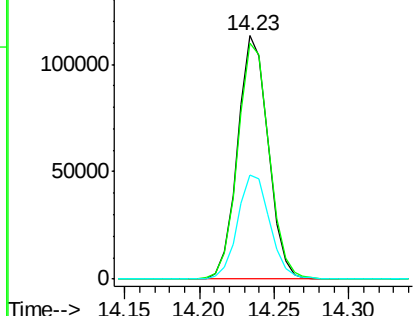
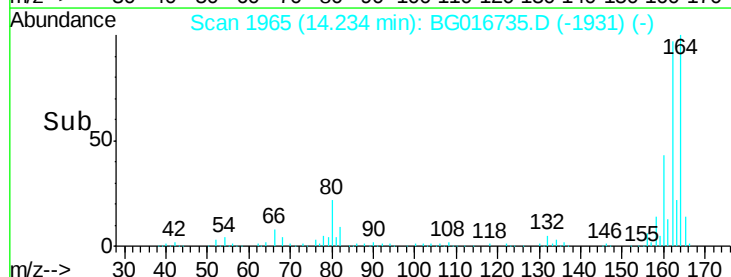


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.23 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

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

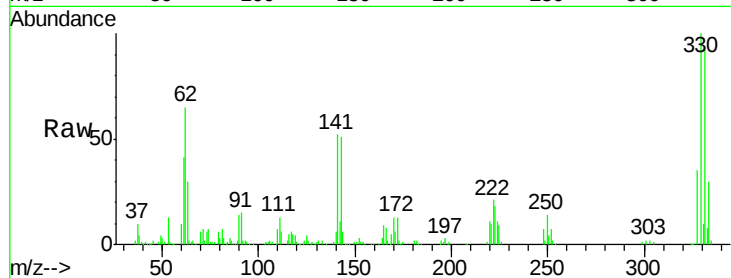




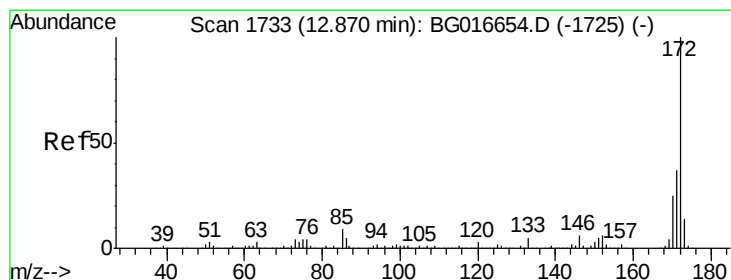
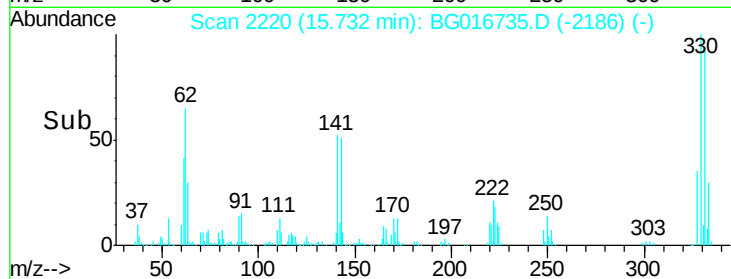
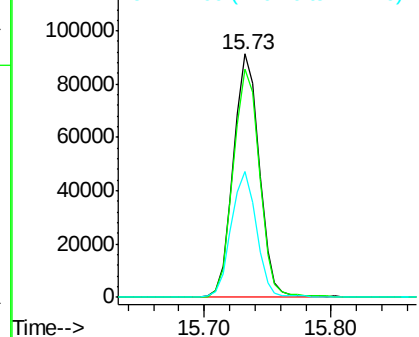
#41
 2,4,6-Tribromophenol
 Concen: 107.89 ng
 RT: 15.73 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

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

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

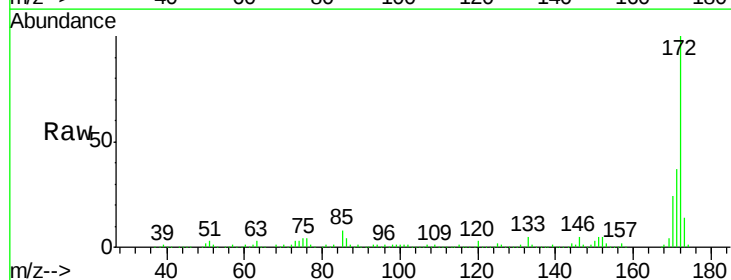


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

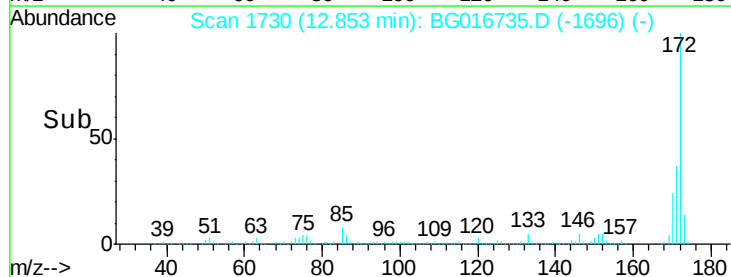
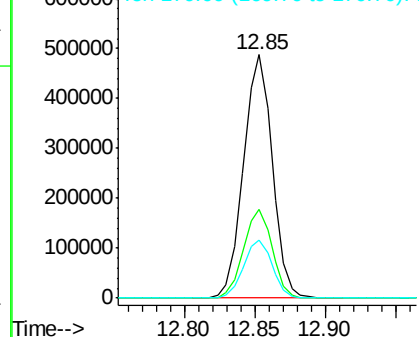


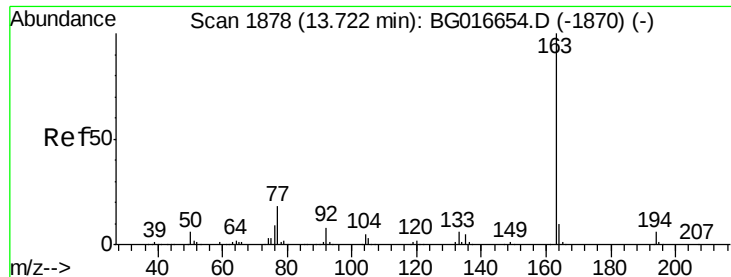
#44
 2-Fluorobiphenyl
 Concen: 69.38 ng
 RT: 12.85 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG016735.D
 Acq: 27 Apr 2015 14:19

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 :

BNA_G

ClientSampleId :

PS-21(2-5)

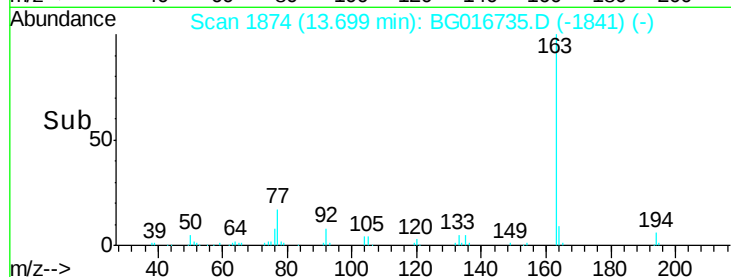
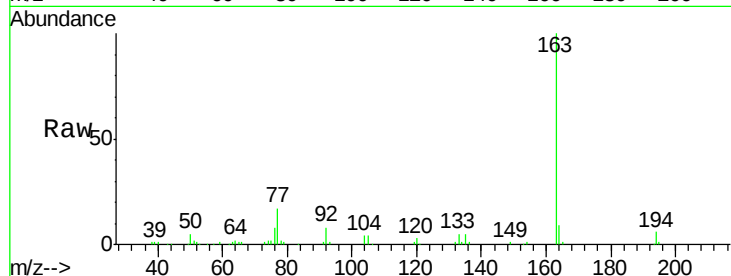
Tgt Ion:163 Resp: 86713

Ion Ratio Lower Upper

163 100

194 6.5 5.0 7.4

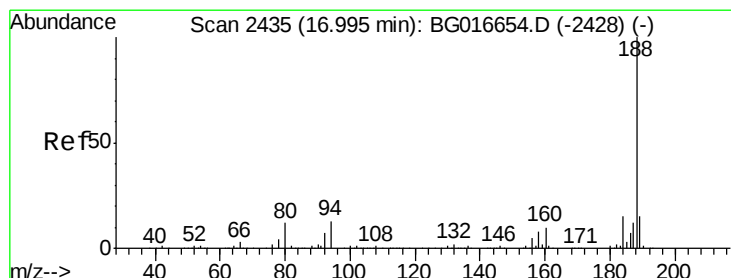
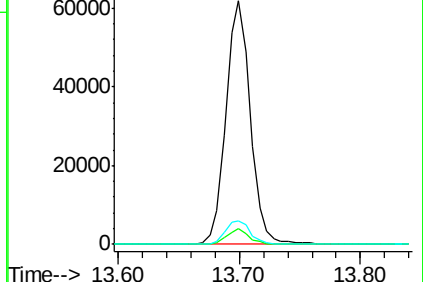
164 9.5 7.8 11.8



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

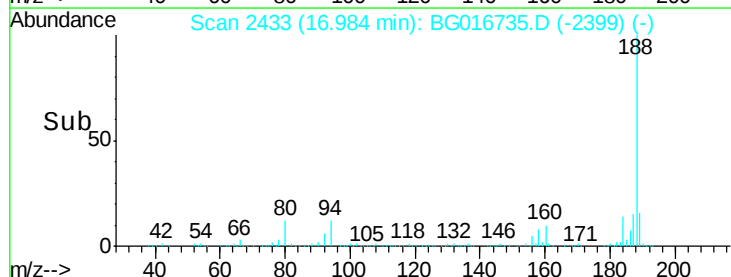
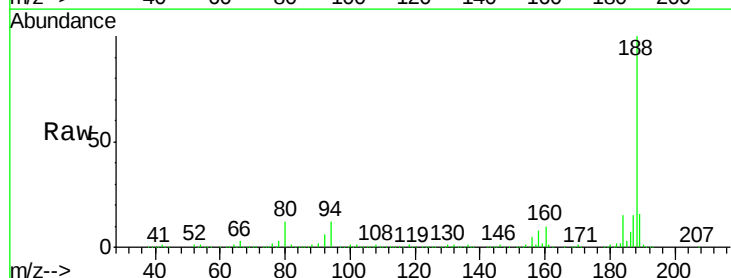
Tgt Ion:188 Resp: 312417

Ion Ratio Lower Upper

188 100

94 11.7 10.7 16.1

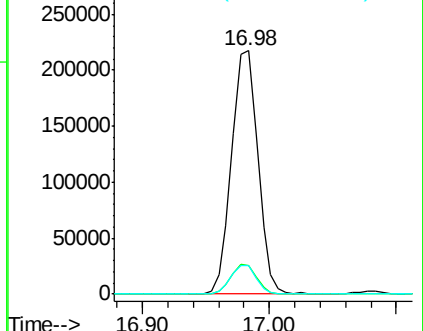
80 11.7 9.9 14.9

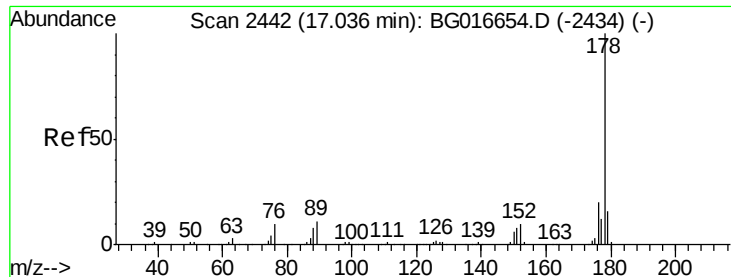


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

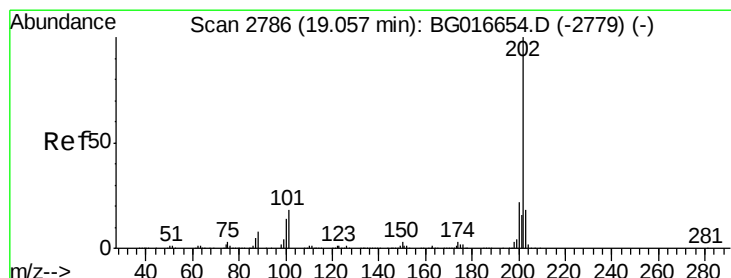
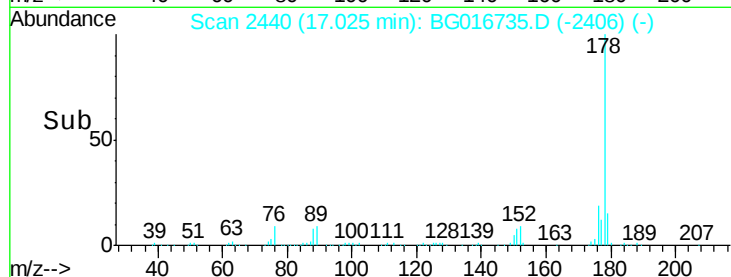
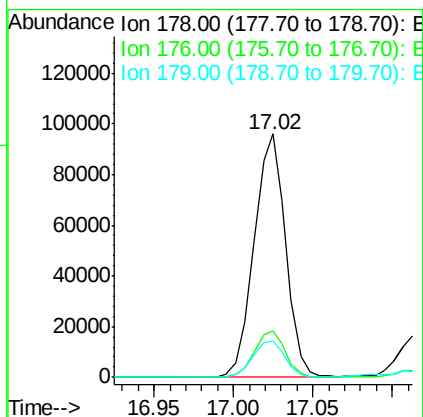
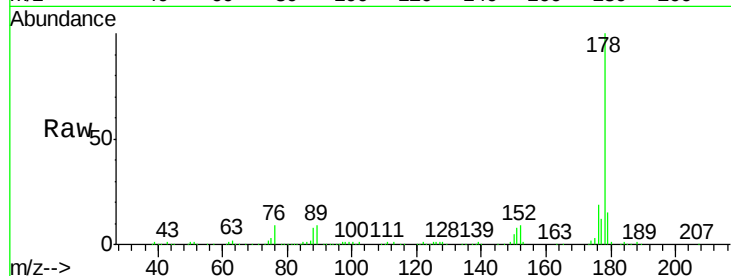




#70
Phenanthrene
Concen: 7.38 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

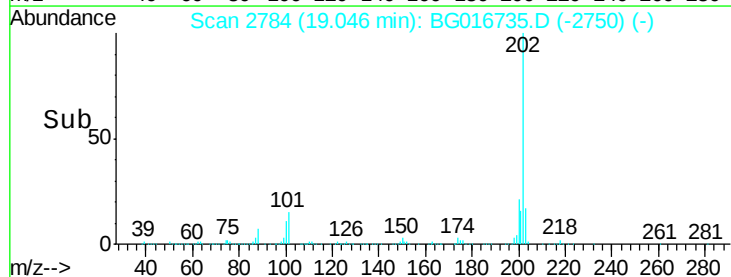
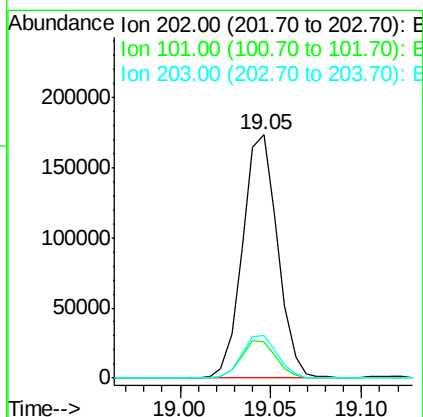
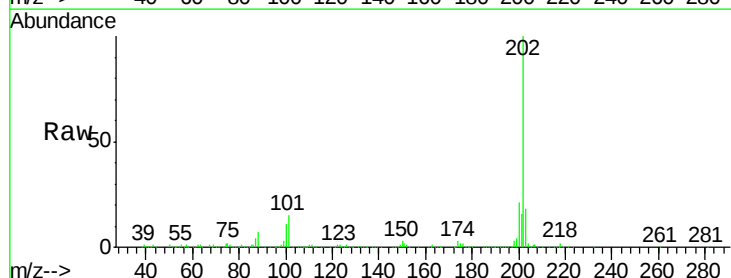
Instrument :
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PS-21(2-5)

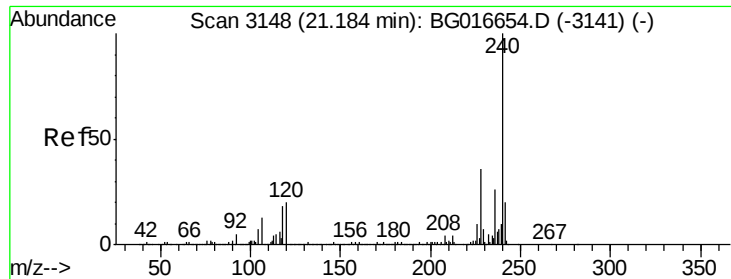
Tgt Ion:178 Resp: 132535
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 12.8 19.2



#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





#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)

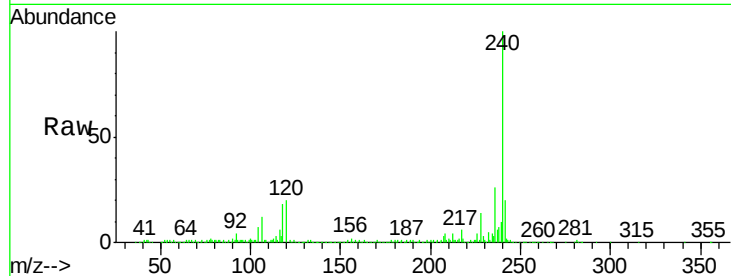
Tgt Ion:240 Resp: 283429

Ion Ratio Lower Upper

240 100

120 20.2 16.3 24.5

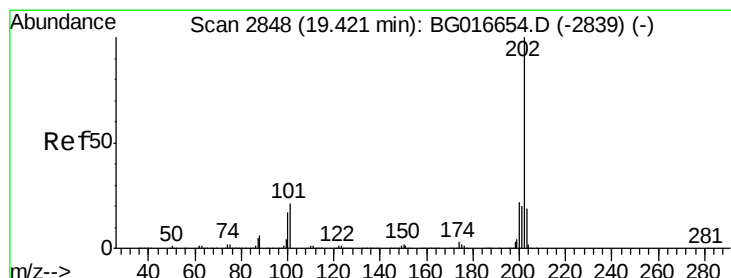
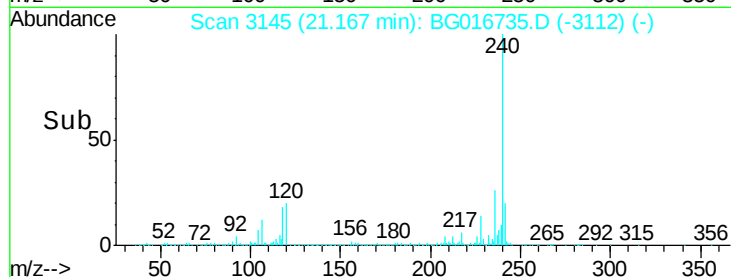
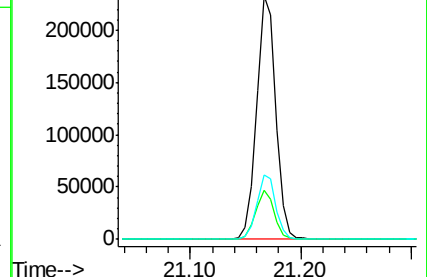
236 26.3 21.1 31.7



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

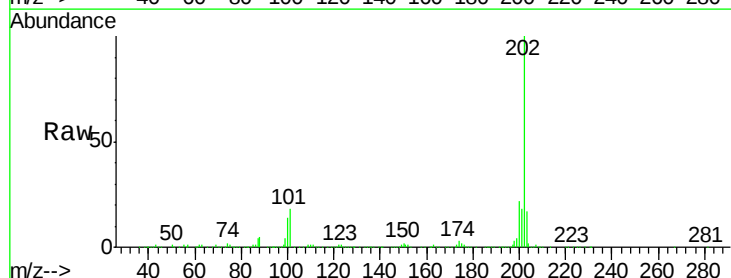
Tgt Ion:202 Resp: 221826

Ion Ratio Lower Upper

202 100

200 21.9 18.0 27.0

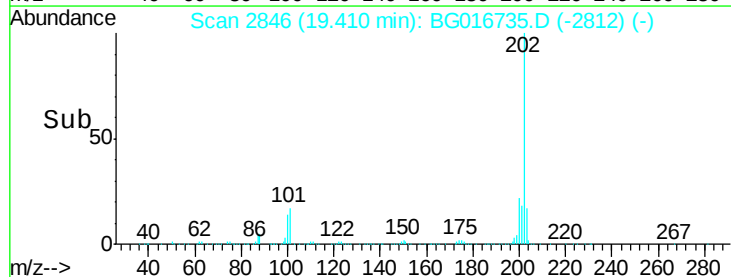
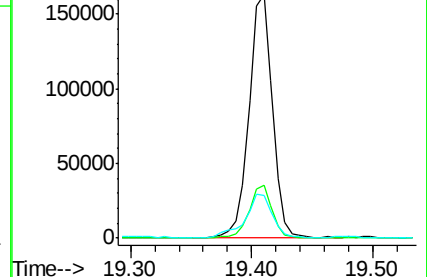
203 17.5 14.9 22.3

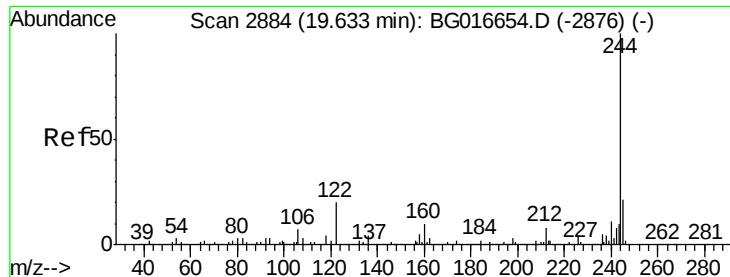


Abundance Ion 202.00 (201.70 to 202.70): E

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)

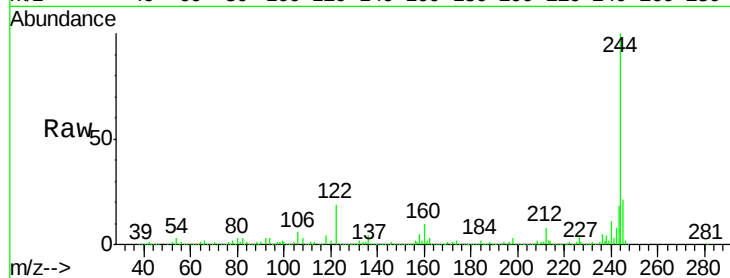
Tgt Ion:244 Resp: 736370

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

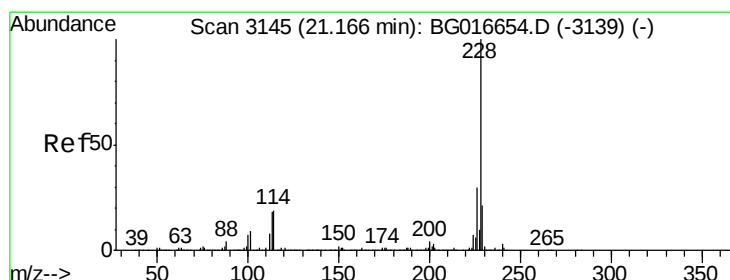
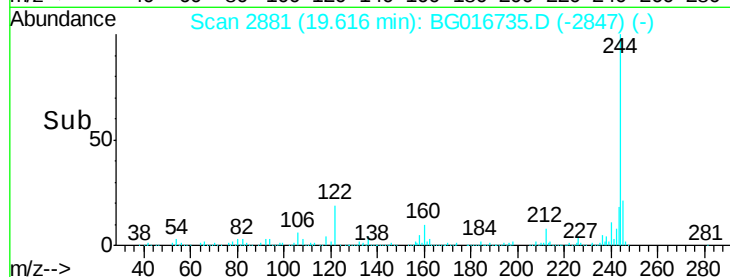
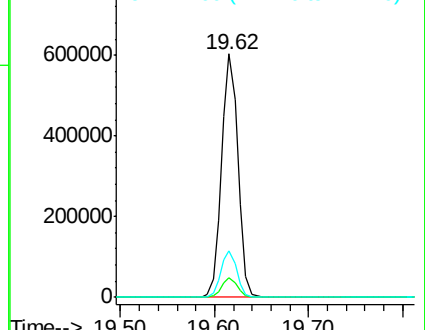
122 19.3 15.9 23.9



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

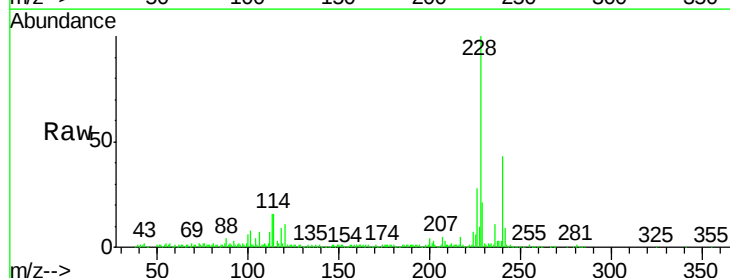
Tgt Ion:228 Resp: 149199

Ion Ratio Lower Upper

228 100

226 27.7 23.8 35.6

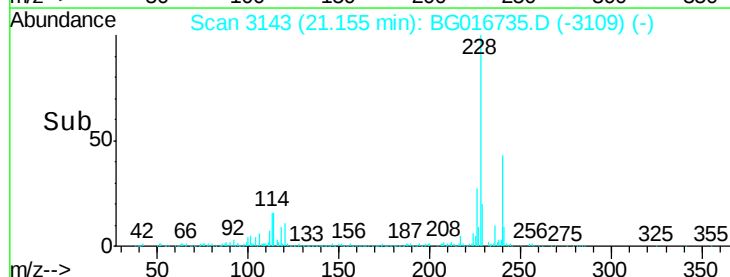
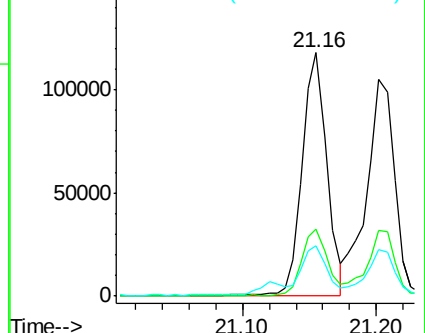
229 20.8 17.0 25.4

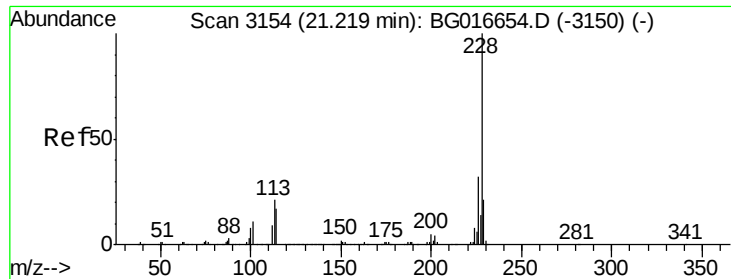


Abundance Ion 228.00 (227.70 to 228.70): E

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)

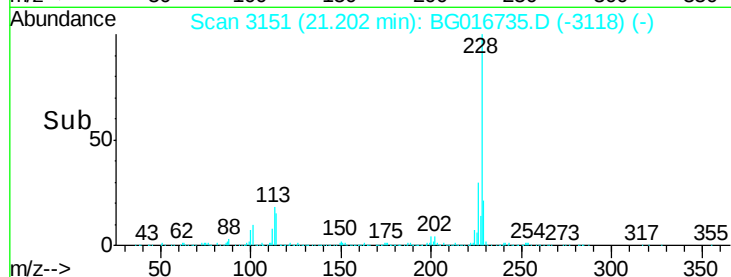
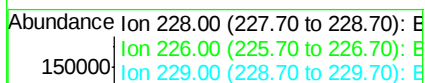
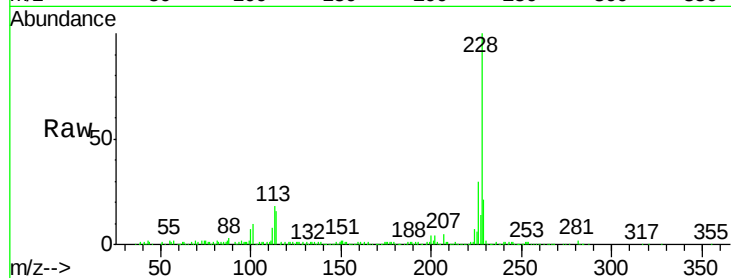
Tgt Ion:228 Resp: 150908

Ion Ratio Lower Upper

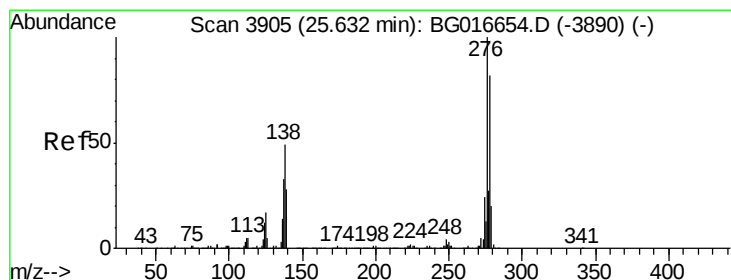
228 100

226 29.9 25.4 38.0

229 21.3 16.5 24.7



Time-->



#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

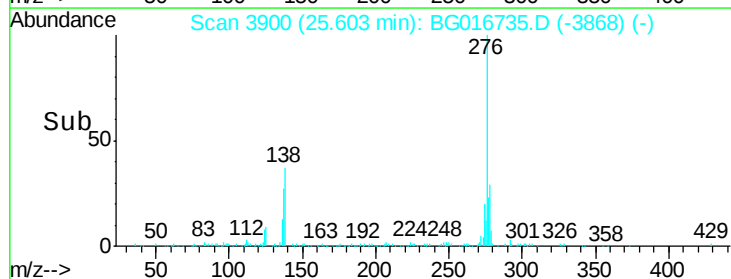
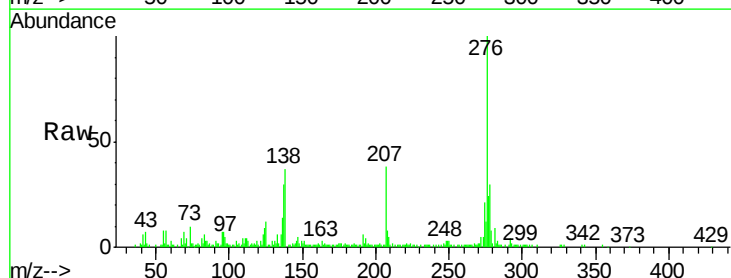
Tgt Ion:276 Resp: 97264

Ion Ratio Lower Upper

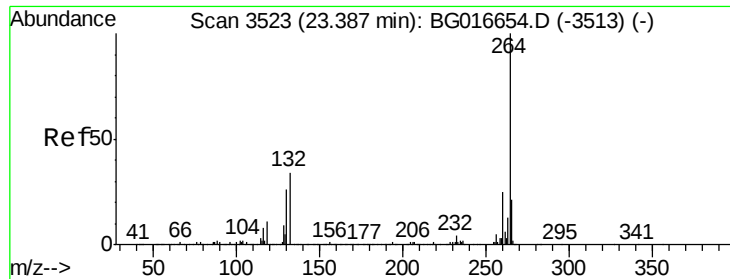
276 100

138 39.6 38.2 57.2

277 22.6 21.4 32.2



Time-->

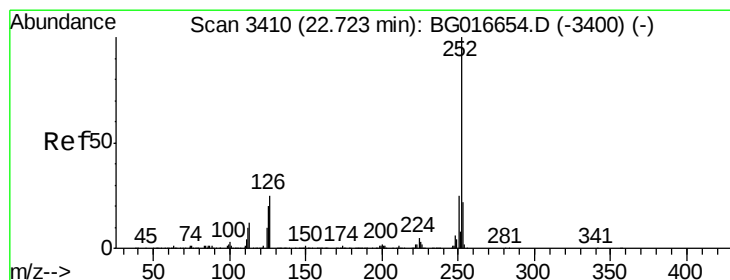
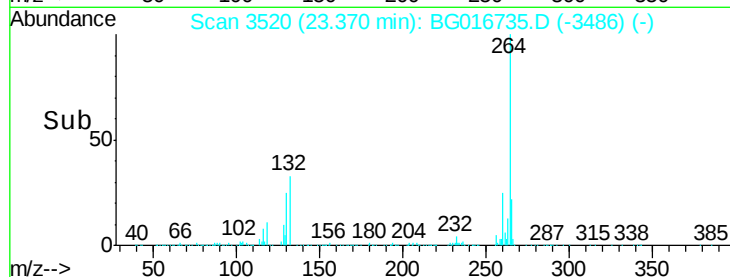
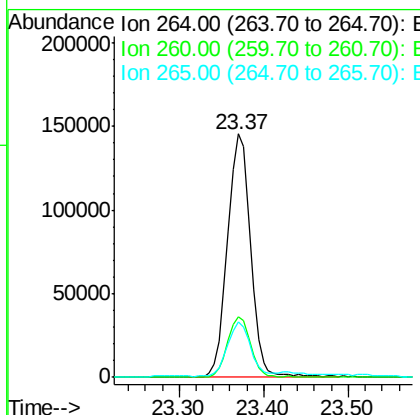
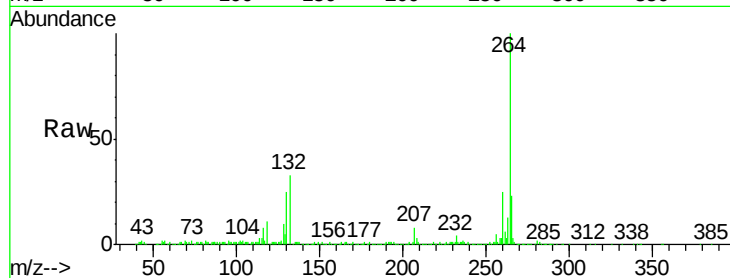


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.00 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

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

Tgt Ion: 264 Resp: 271622

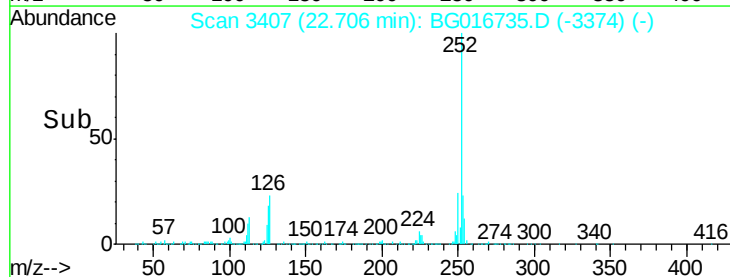
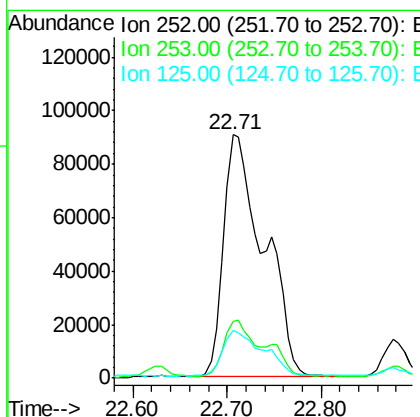
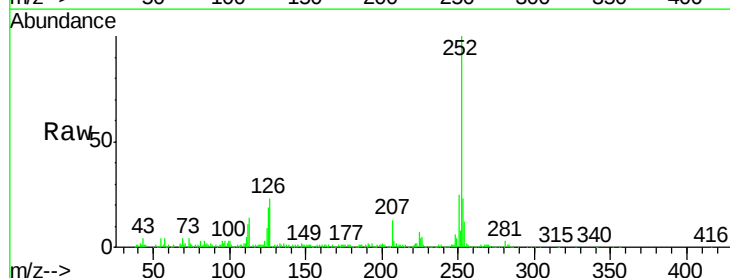
Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.0	30.0
265	22.6	16.8	25.2

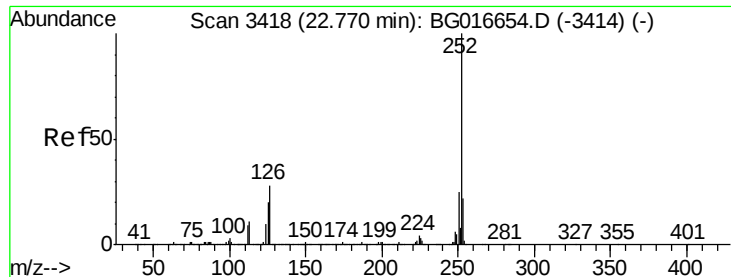


#87
Benzo(b)fluoranthene
Concen: 16.37 ng
RT: 22.71 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

Tgt Ion: 252 Resp: 270087

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

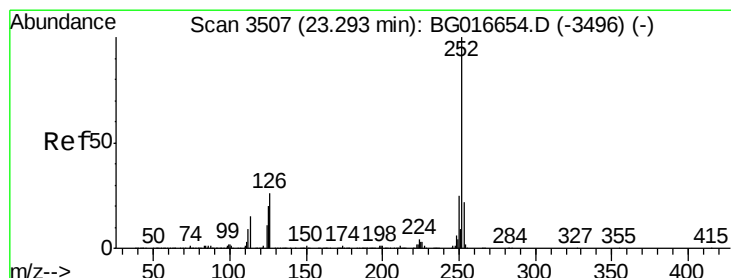
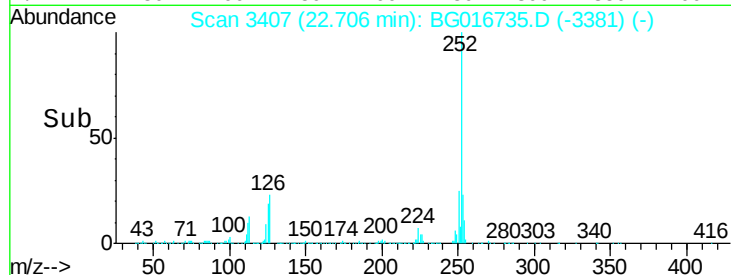
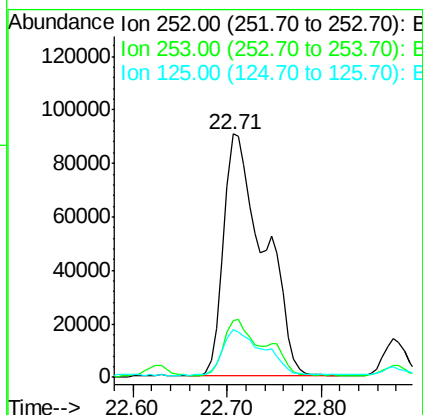
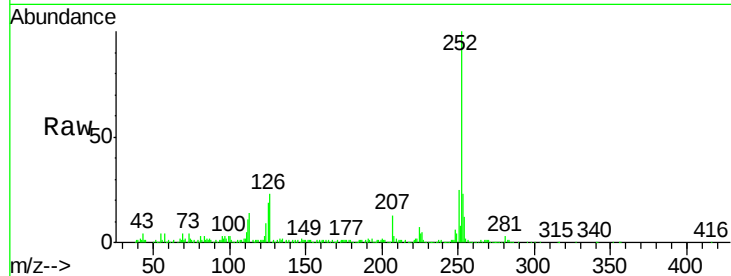




#88
Benzo(k)fluoranthene
Concen: 16.77 ng
RT: 22.71 min Scan# 3407
Delta R.T. -0.05 min
Lab File: BG016735.D
Acq: 27 Apr 2015 14:19

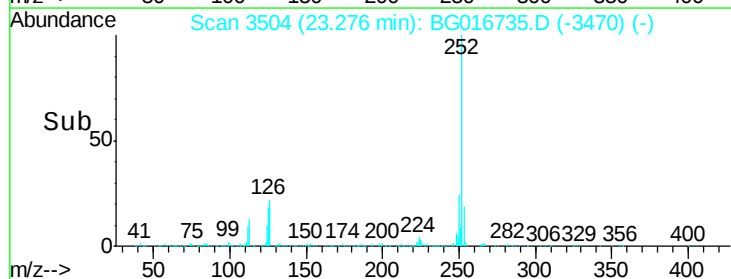
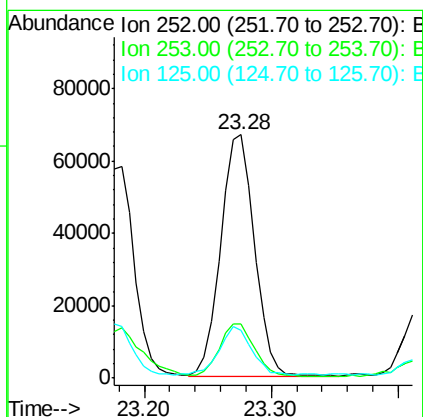
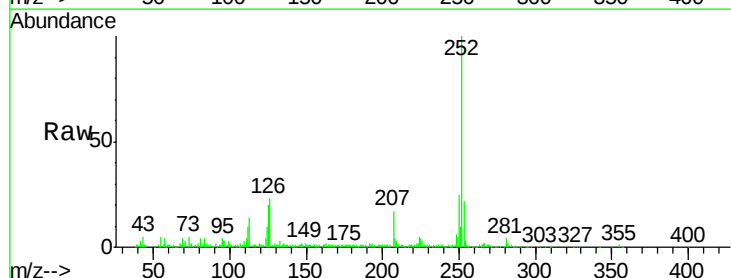
Instrument :
BNA_G
ClientSampleId :
PS-21(2-5)

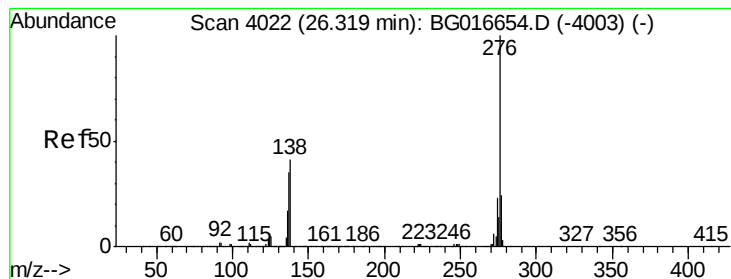
Tgt Ion: 252 Resp: 270087
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 19.4 15.5 23.3



#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





#91

Benzo(g,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)

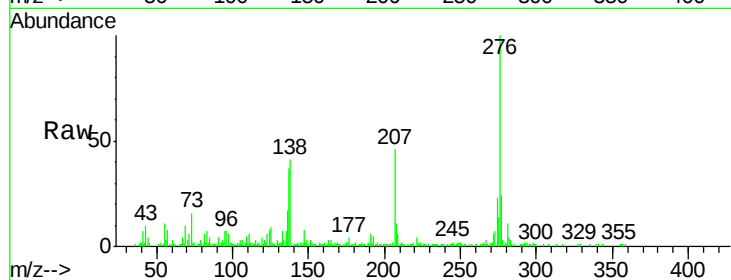
Tgt Ion: 276 Resp: 93549

Ion Ratio Lower Upper

276 100

277 23.7 19.3 28.9

138 40.5 32.8 49.2



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

