

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042715\
 Data File : BG016751.D
 Acq On : 28 Apr 2015 4:00
 Operator : TP/IZ
 Sample : G1992-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC02

Quant Time: Apr 28 05:37:51 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 01:49:03 2015
 Response via : Initial Calibration

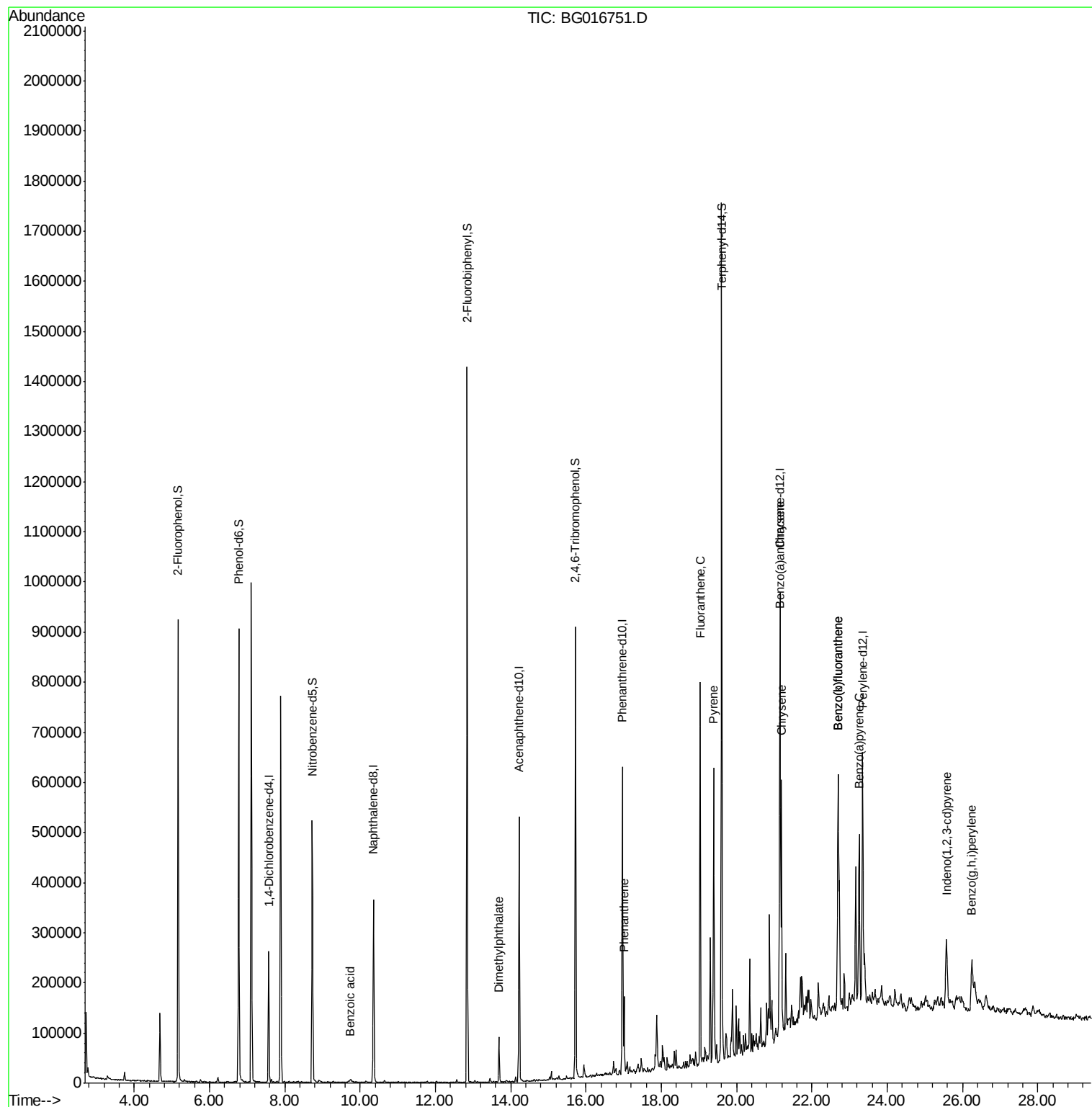
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	72933	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	316617	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	177985	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	332100	20.00	ng	0.00
75) Chrysene-d12	21.16	240	301830	20.00	ng	0.00
86) Perylene-d12	23.35	264	293478	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	464349	103.32	ng	0.00
7) Phenol-d6	6.78	99	635130	100.73	ng	0.00
23) Nitrobenzene-d5	8.73	82	316045	63.07	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	135502	102.62	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	692958	62.55	ng	0.00
78) Terphenyl-d14	19.60	244	668827	51.04	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.72	122	293	8.94	ng	91
49) Dimethylphthalate	13.69	163	60347	4.53	ng	98
70) Phenanthrene	17.01	178	89318	4.68	ng	99
74) Fluoranthene	19.03	202	401210	19.85	ng	97
77) Pyrene	19.40	202	346416	16.34	ng	99
80) Benzo(a)anthracene	21.14	228	215358	11.77	ng	99
82) Chrysene	21.20	228	264104	15.05	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	129456	6.77	ng	# 85
87) Benzo(b)fluoranthene	22.69	252	343722	19.28	ng	97
88) Benzo(k)fluoranthene	22.69	252	343722	19.76	ng	97
89) Benzo(a)pyrene	23.26	252	210690	12.54	ng	96
91) Benzo(g,h,i)perylene	26.26	276	128965	7.76	ng	96

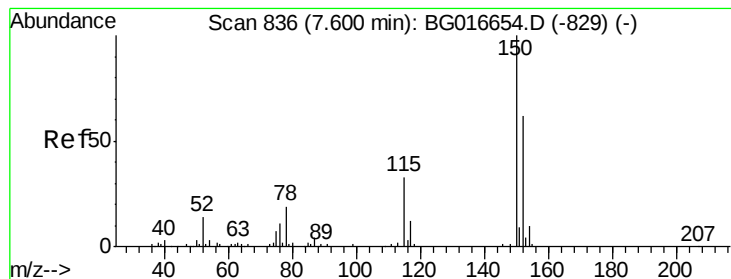
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.57 min Scan# 831

Delta R.T. 0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

Instrument :

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ClientSampleId :

TEC02

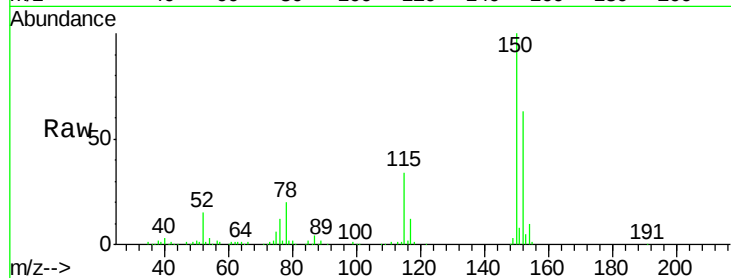
Tgt Ion:152 Resp: 72933

Ion Ratio Lower Upper

152 100

150 157.7 129.6 194.4

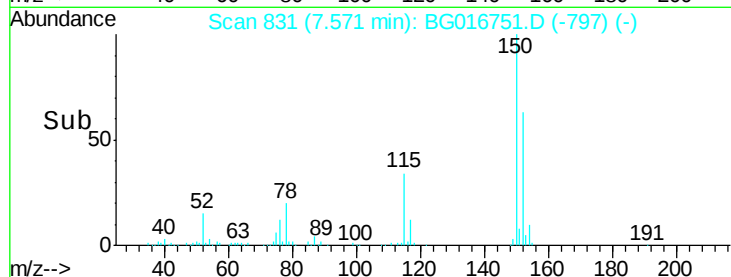
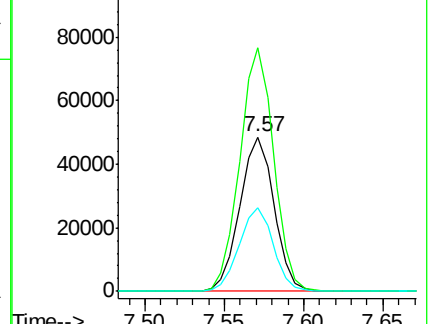
115 53.9 43.0 64.6



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: 103.32 ng

RT: 5.17 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

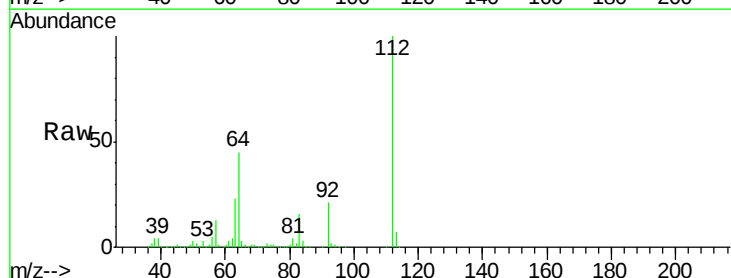
Tgt Ion:112 Resp: 464349

Ion Ratio Lower Upper

112 100

64 45.0 38.3 57.5

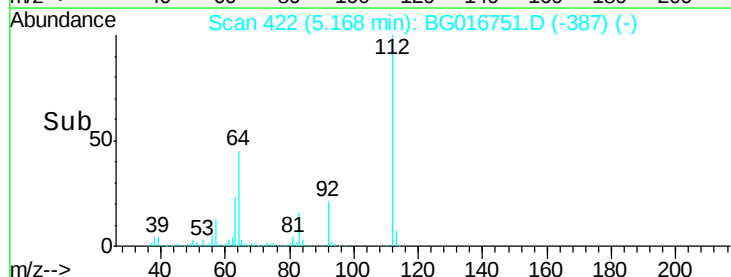
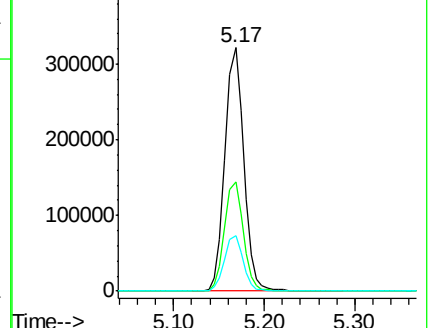
63 22.6 18.9 28.3

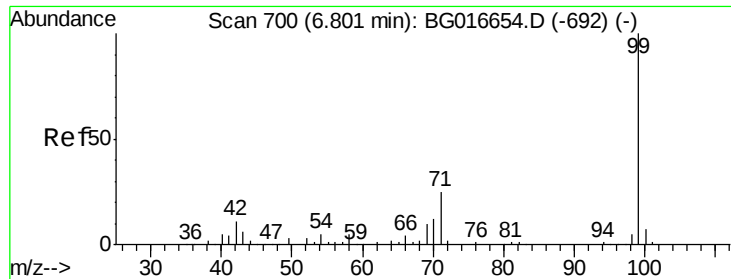


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 100.73 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

Instrument :

BNA_G

ClientSampleId :

TEC02

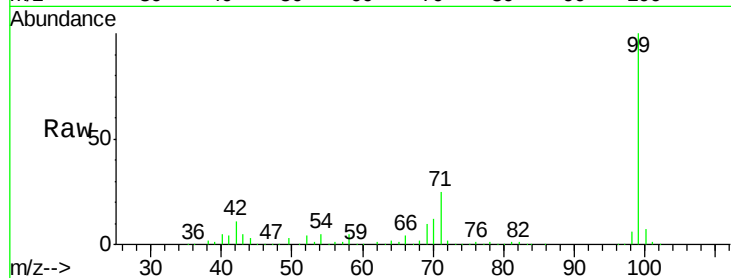
Tgt Ion: 99 Resp: 635130

Ion Ratio Lower Upper

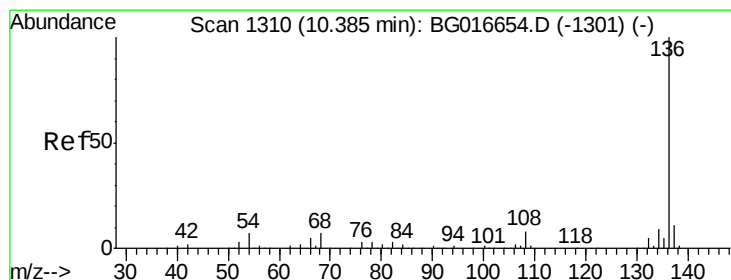
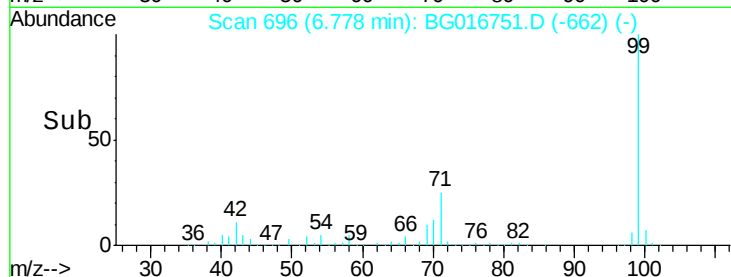
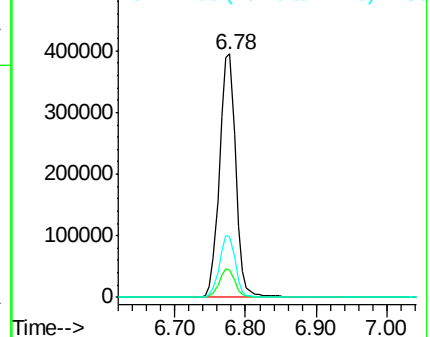
99 100

42 11.1 8.8 13.2

71 25.0 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: 10.36 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

Tgt Ion: 136 Resp: 316617

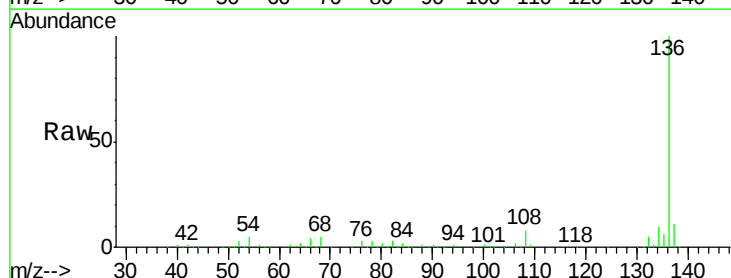
Ion Ratio Lower Upper

136 100

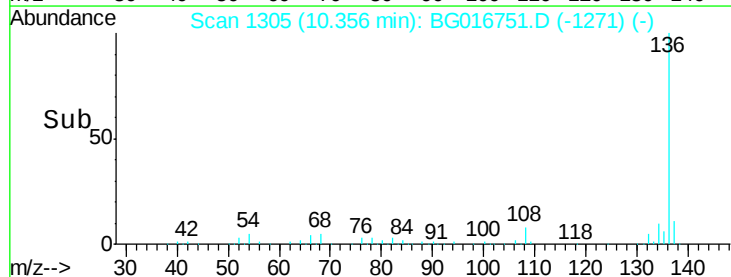
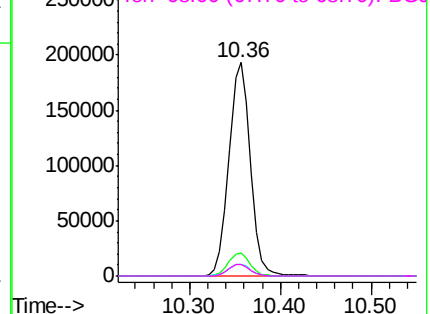
137 11.0 8.5 12.7

54 5.3 5.4 8.2#

68 5.5 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

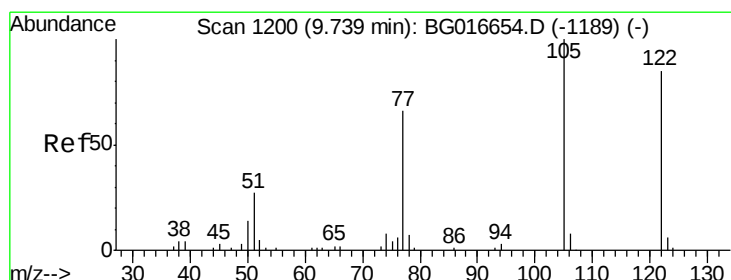
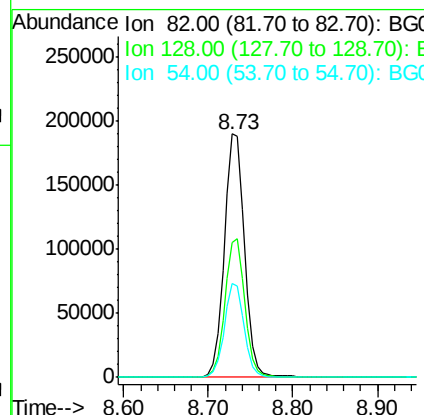
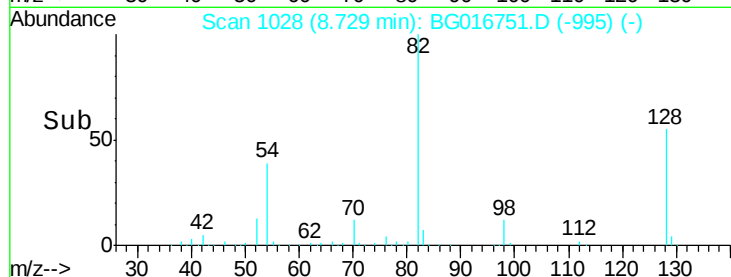
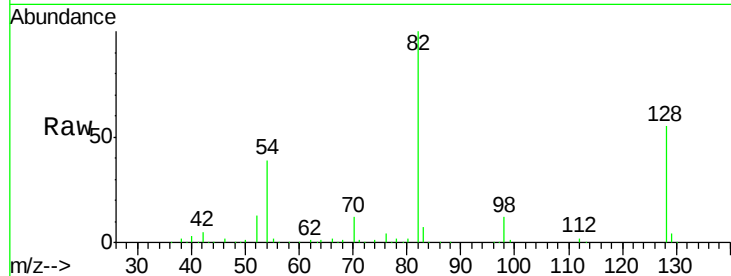




#23
 Nitrobenzene-d5
 Concen: 63.07 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG016751.D
 Acq: 28 Apr 2015 4:00

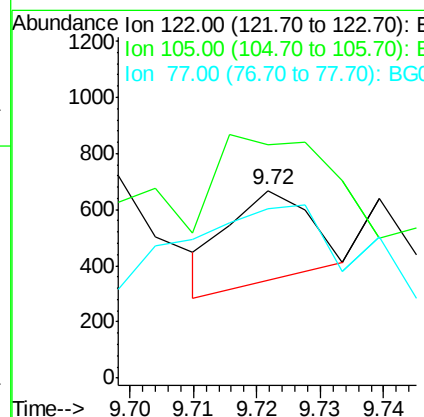
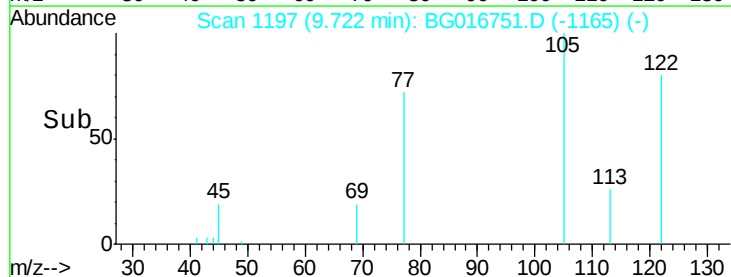
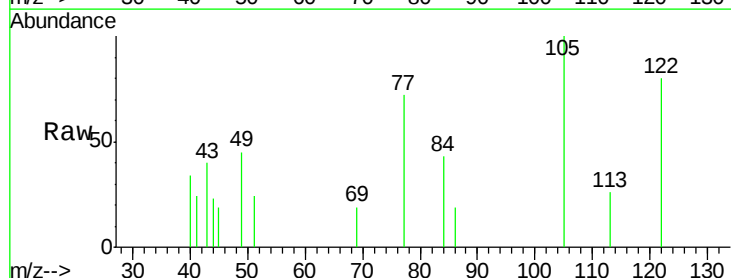
Instrument :
 BNA_G
 ClientSampleId :
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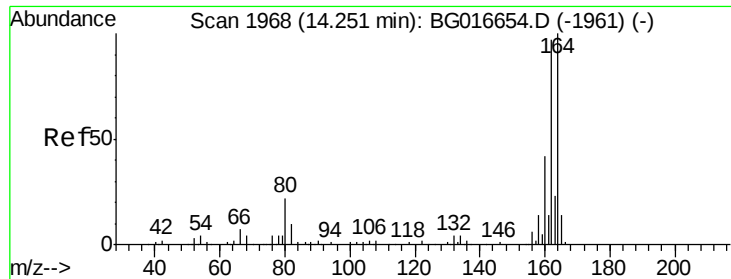
Tgt Ion: 82 Resp: 316045
 Ion Ratio Lower Upper
 82 100
 128 55.2 44.7 67.1
 54 38.5 30.9 46.3



#32
 Benzoic acid
 Concen: 8.94 ng
 RT: 9.72 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BG016751.D
 Acq: 28 Apr 2015 4:00

Tgt Ion: 122 Resp: 293
 Ion Ratio Lower Upper
 122 100
 105 124.3 97.2 137.2
 77 90.0 58.4 98.4

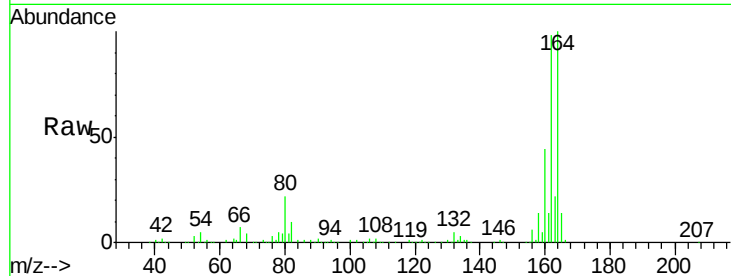




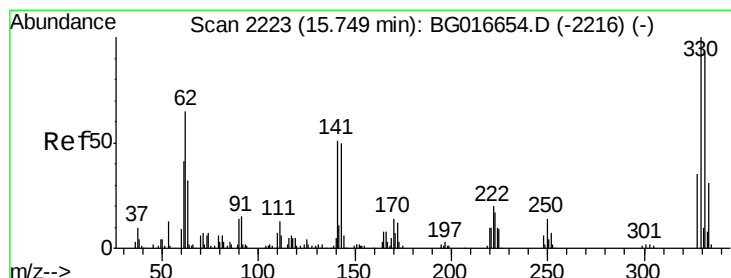
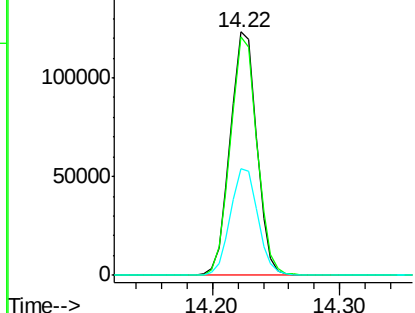
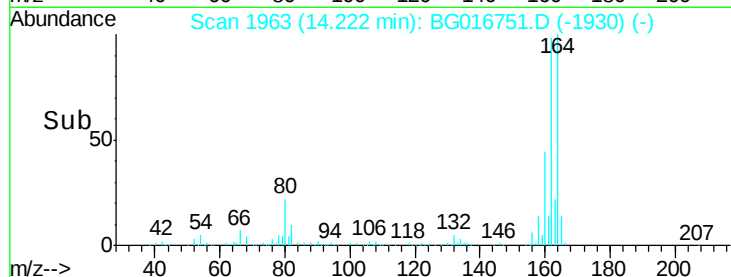
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: BG016751.D
 Acq: 28 Apr 2015 4:00

Instrument :
 BNA_G
 ClientSampleId :
 TEC02

Tgt Ion:164 Resp: 177985
 Ion Ratio Lower Upper
 164 100
 162 97.9 77.3 115.9
 160 43.8 33.7 50.5

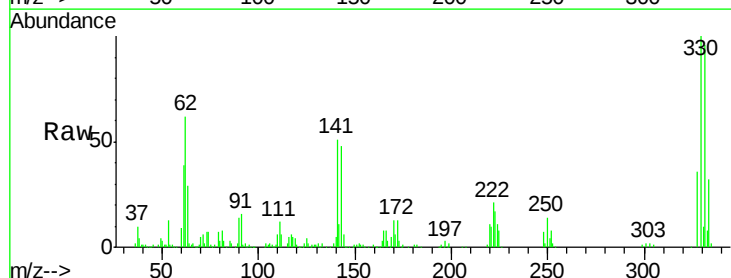


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

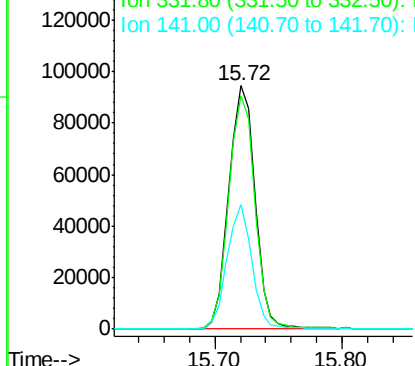
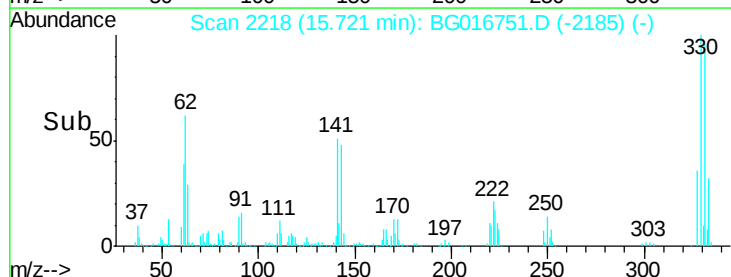


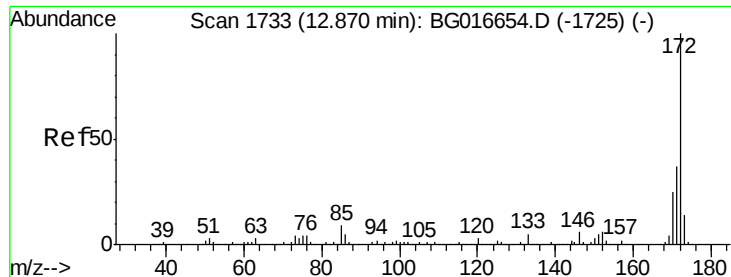
#41
 2,4,6-Tribromophenol
 Concen: 102.62 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG016751.D
 Acq: 28 Apr 2015 4:00

Tgt Ion:330 Resp: 135502
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.2 114.4
 141 48.9 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

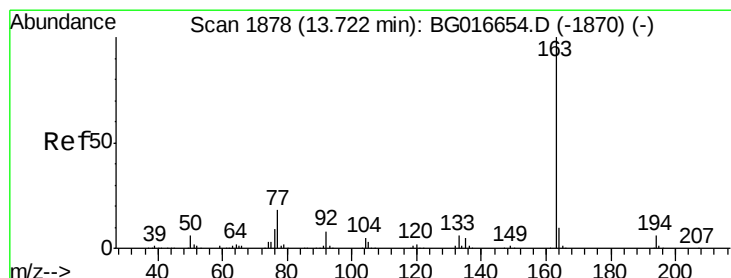
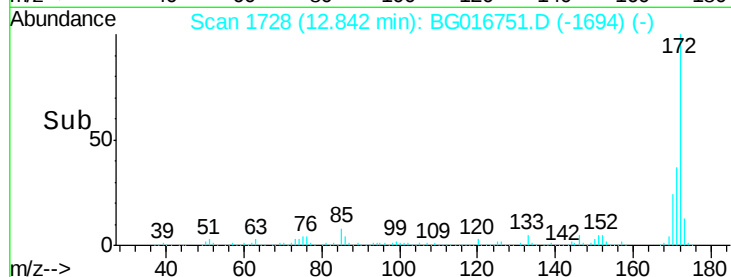
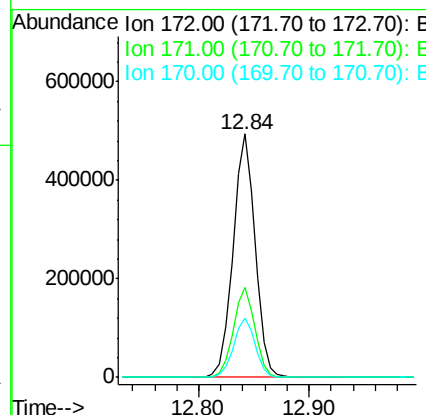
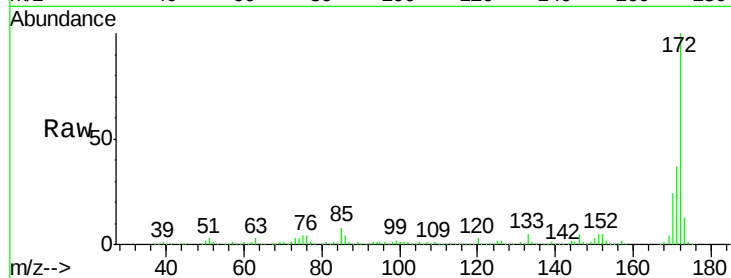




#44
2-Fluorobiphenyl
Concen: 62.55 ng
RT: 12.84 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

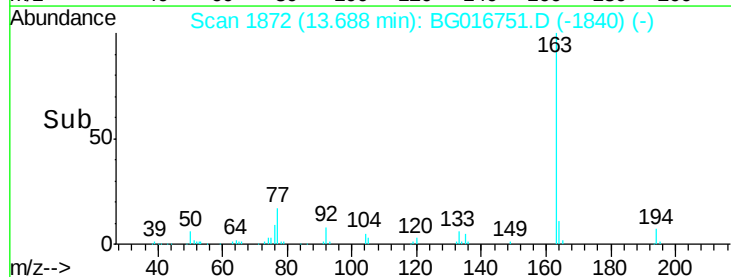
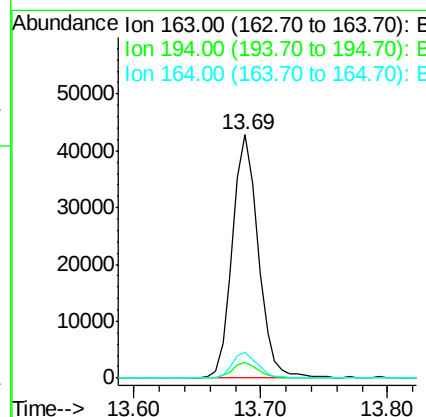
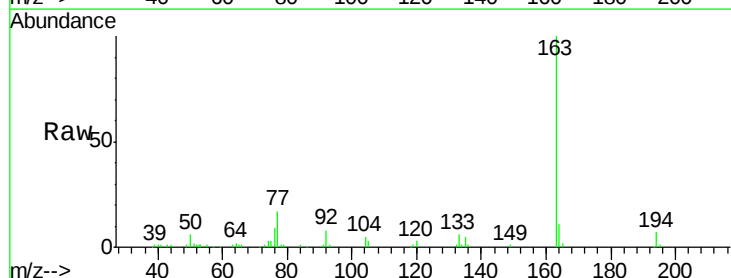
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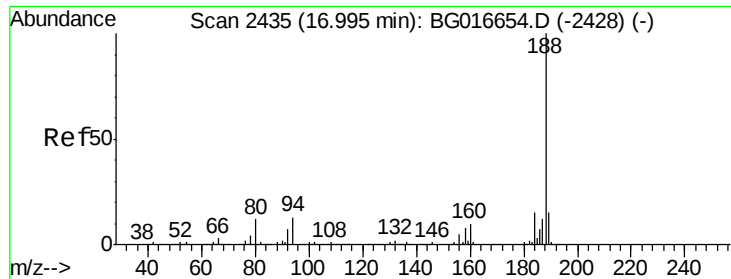
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.9	44.9
170	24.3	19.8	29.8



#49
Dimethylphthalate
Concen: 4.53 ng
RT: 13.69 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.7	5.0	7.4
164	10.7	7.8	11.8

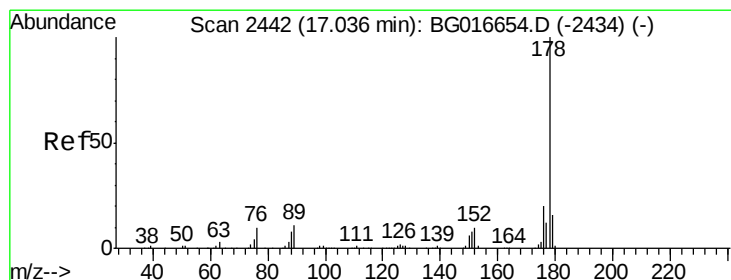
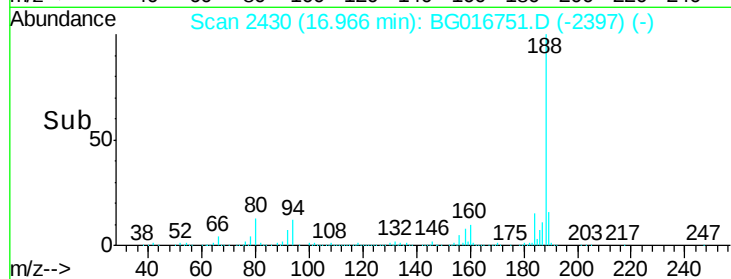
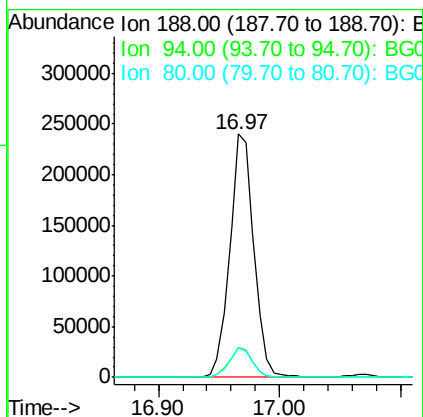
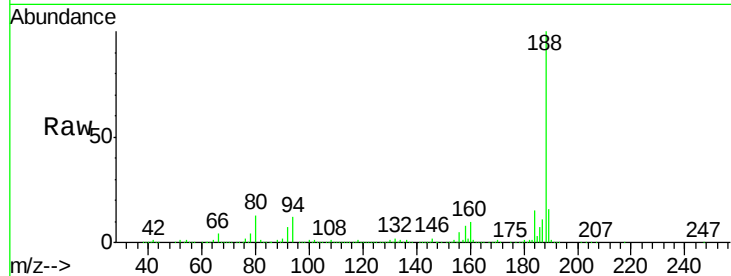




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

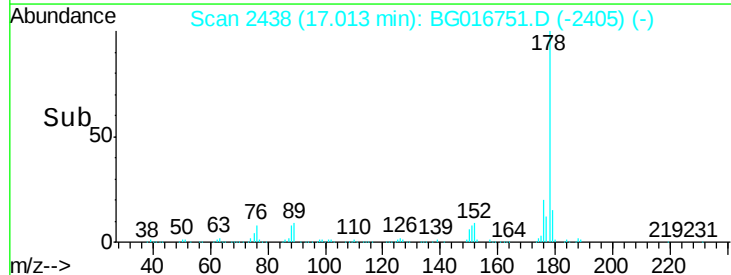
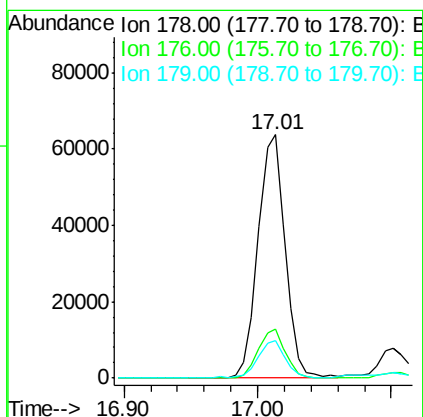
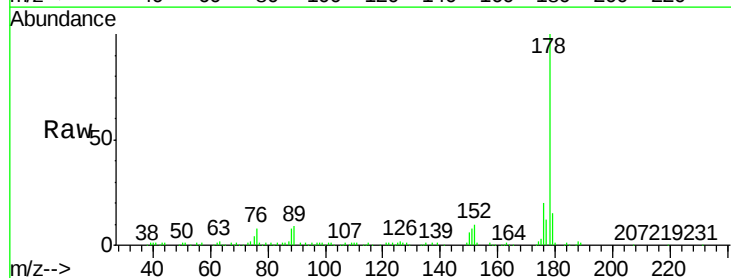
Instrument :
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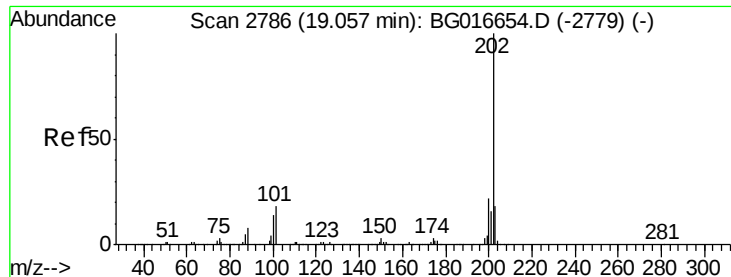
Tgt Ion:188 Resp: 332100
Ion Ratio Lower Upper
188 100
94 12.1 10.7 16.1
80 12.5 9.9 14.9



#70
Phenanthrene
Concen: 4.68 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

Tgt Ion:178 Resp: 89318
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.4 12.8 19.2

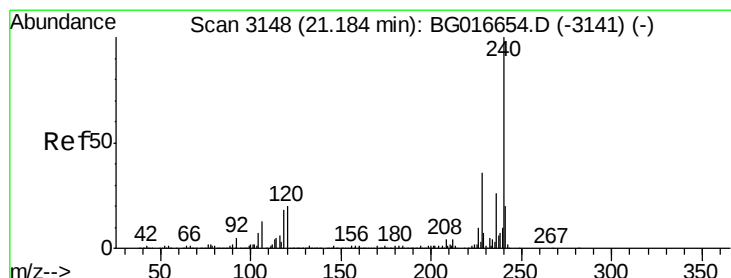
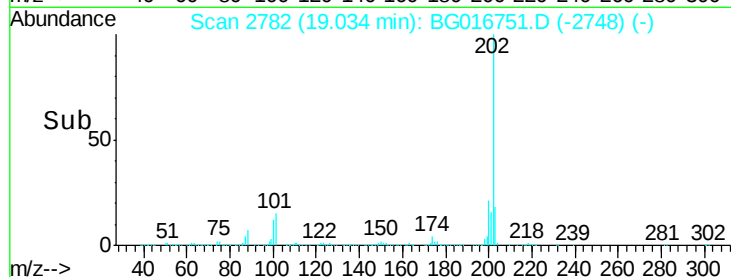
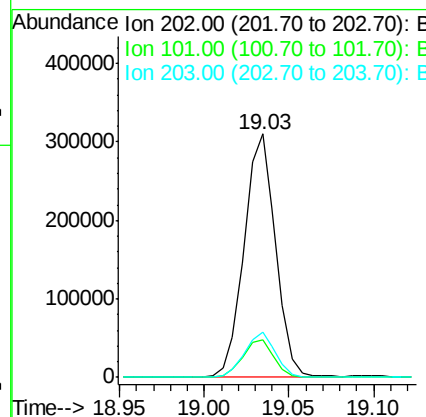
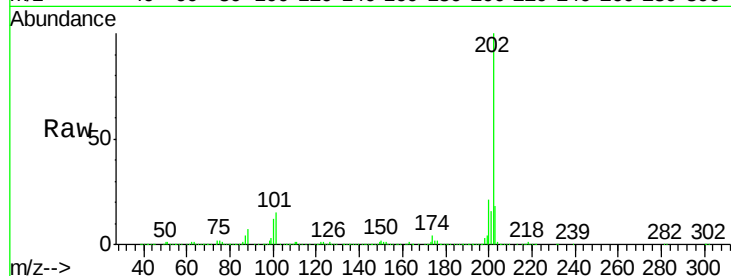




#74
Fluoranthene
Concen: 19.85 ng
RT: 19.03 min Scan# 2782
Delta R.T. 0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

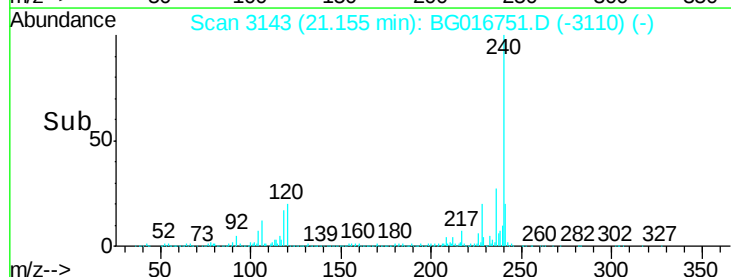
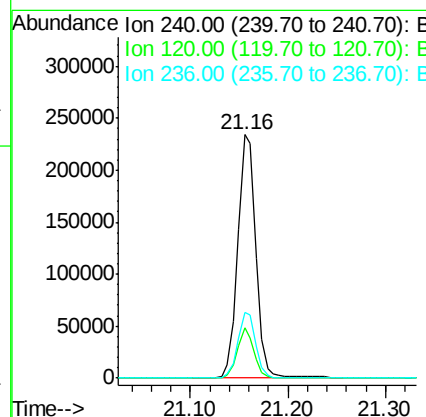
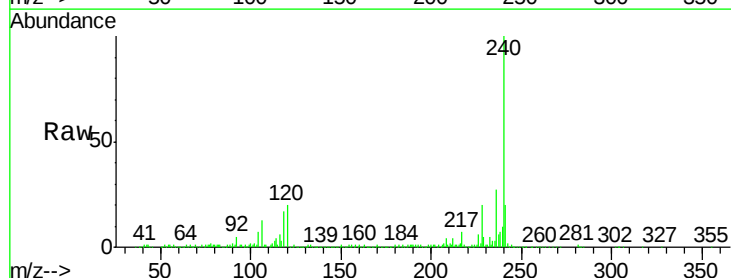
Instrument :
BNA_G
ClientSampleId :
TEC02

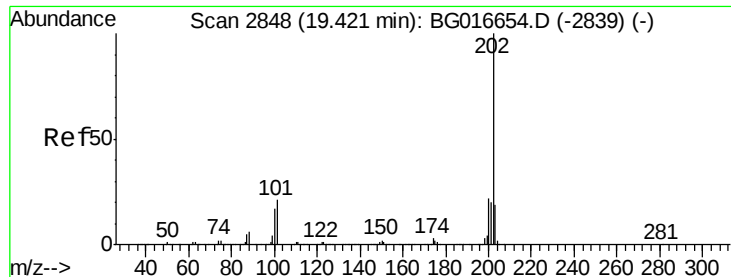
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	38.1
203	18.4	0.0	38.4



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.16 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	20.5	16.3	24.5
236	26.9	21.1	31.7





#77

Pyrene

Concen: 16.34 ng

RT: 19.40 min Scan# 2844

Delta R.T. 0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

Instrument :

BNA_G

ClientSampleId :

TEC02

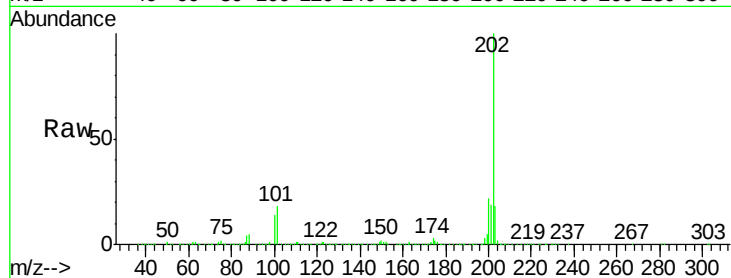
Tgt Ion:202 Resp: 346416

Ion Ratio Lower Upper

202 100

200 21.8 18.0 27.0

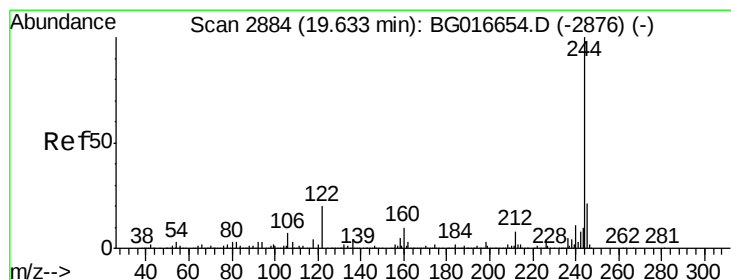
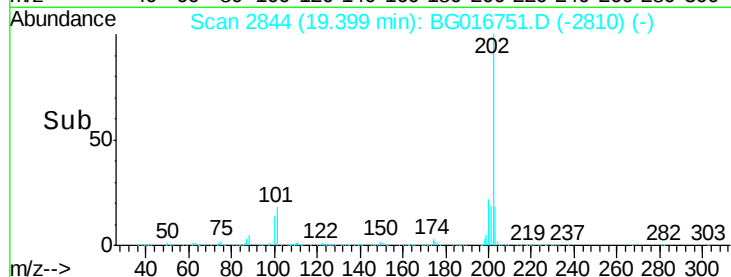
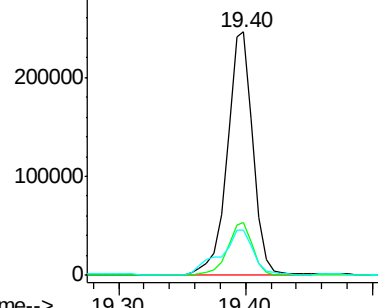
203 18.4 14.9 22.3



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: 51.04 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

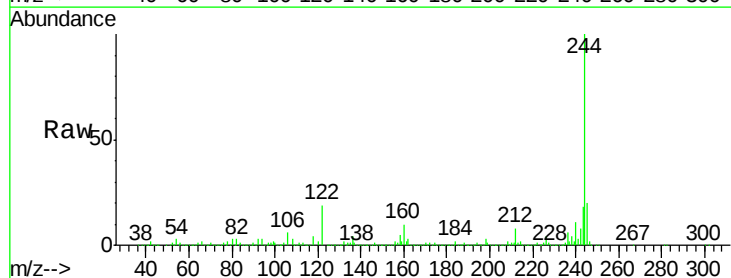
Tgt Ion:244 Resp: 668827

Ion Ratio Lower Upper

244 100

212 7.9 6.4 9.6

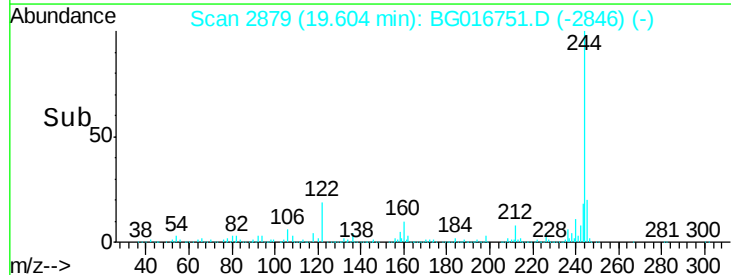
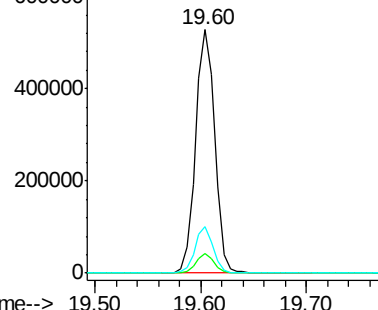
122 19.0 15.9 23.9

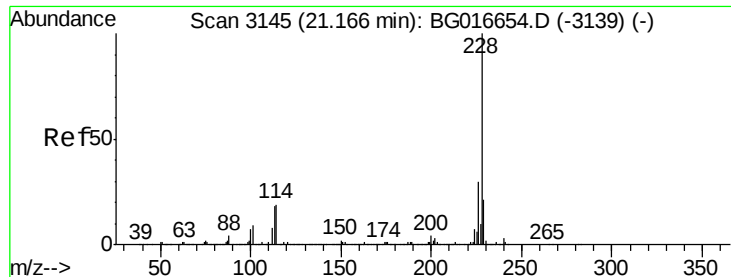


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

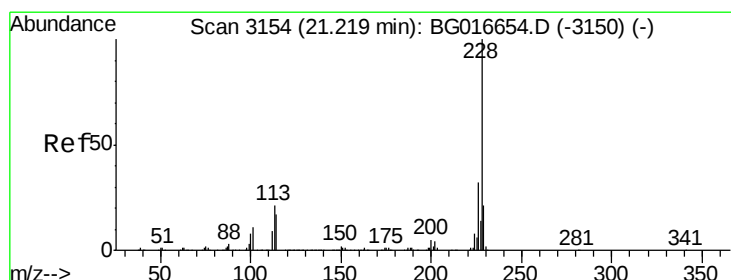
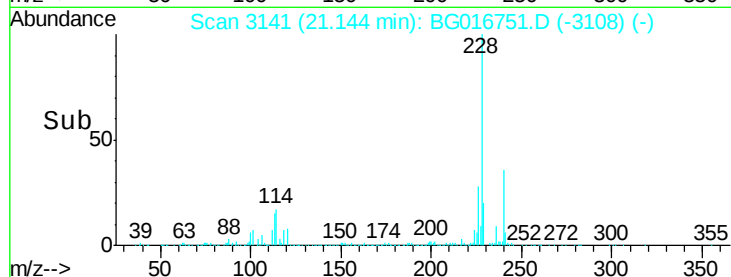
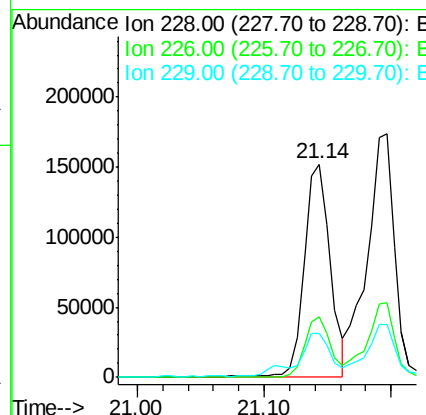
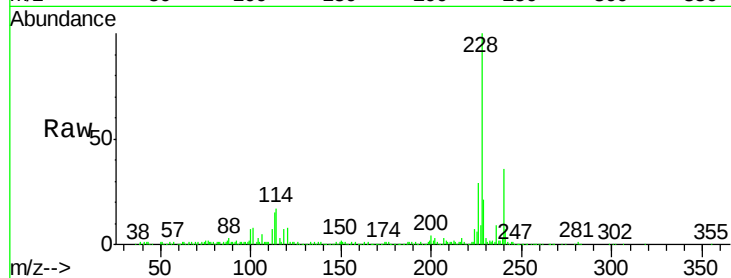




#80
Benzo(a)anthracene
Concen: 11.77 ng
RT: 21.14 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

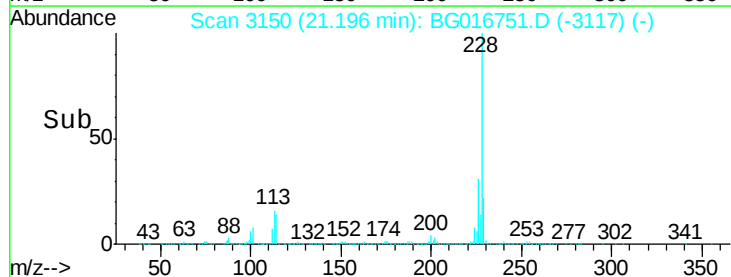
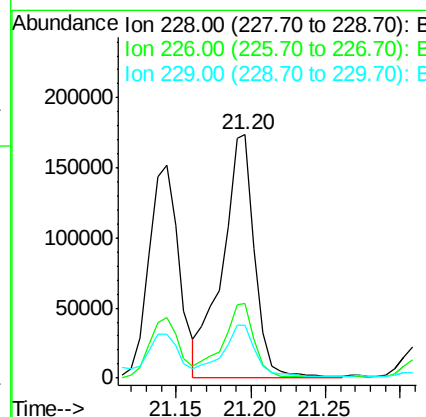
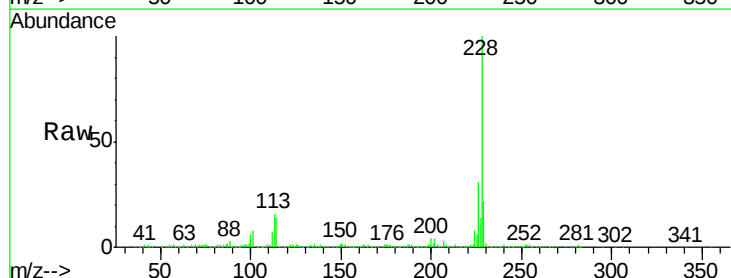
Instrument :
BNA_G
ClientSampleId :
TEC02

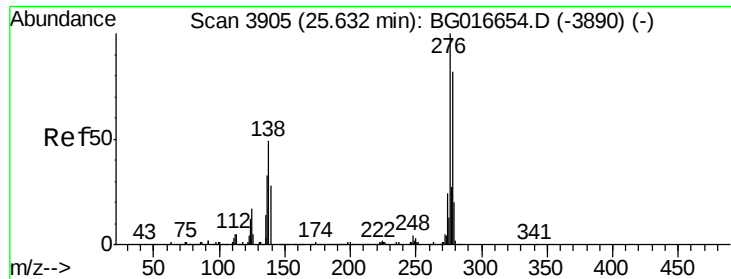
Tgt Ion:228 Resp: 215358
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.6
229 20.8 17.0 25.4



#82
Chrysene
Concen: 15.05 ng
RT: 21.20 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

Tgt Ion:228 Resp: 264104
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 22.0 16.5 24.7

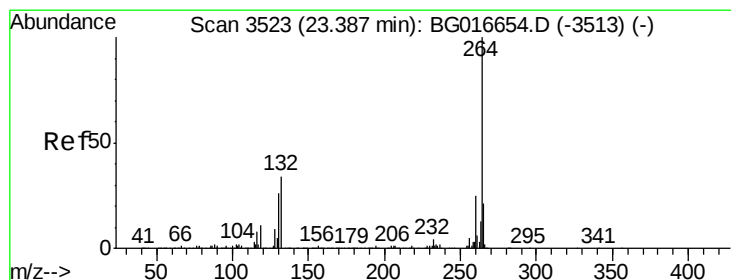
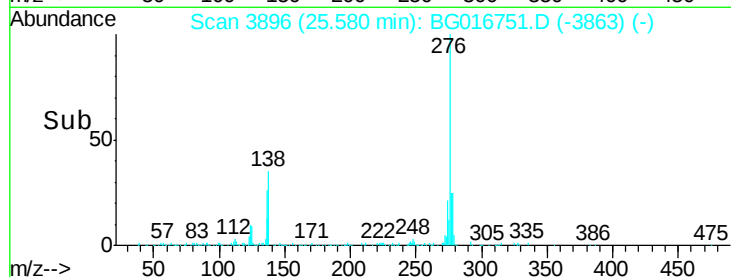
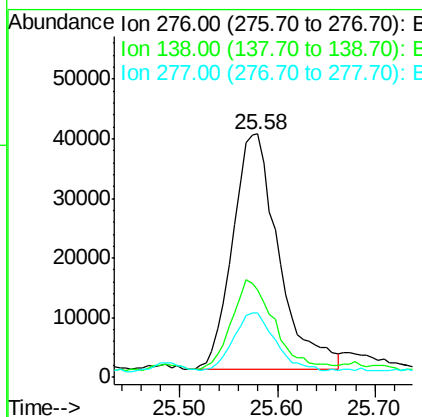
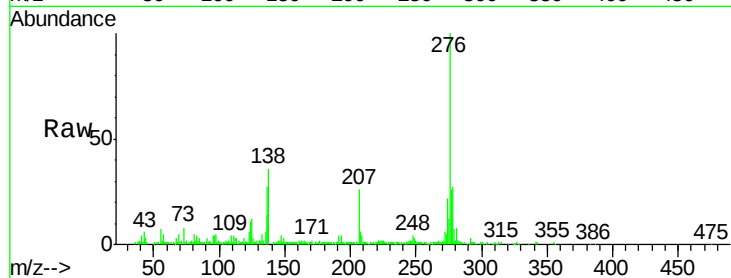




#85
Indeno(1,2,3-cd)pyrene
Concen: 6.77 ng
RT: 25.58 min Scan# 3896
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

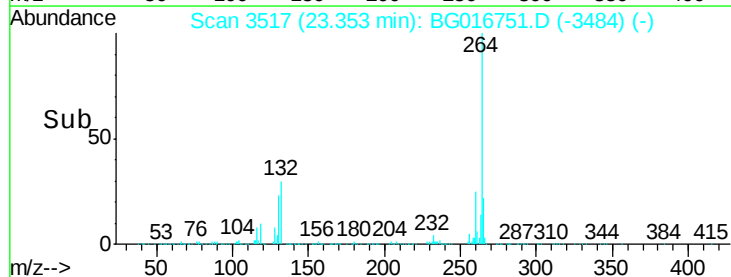
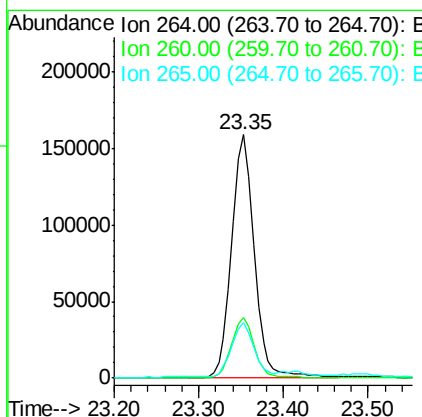
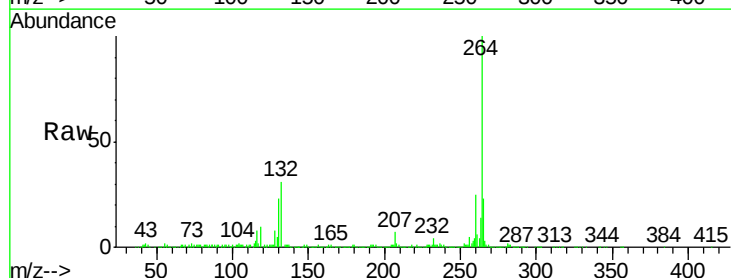
Instrument :
BNA_G
ClientSampled :
TEC02

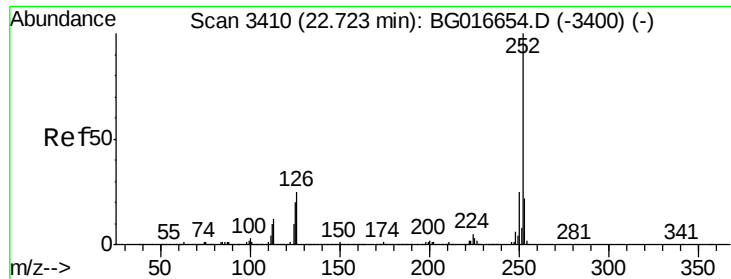
Tgt Ion: 276 Resp: 129456
Ion Ratio Lower Upper
276 100
138 35.7 38.2 57.2#
277 22.2 21.4 32.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 3517
Delta R.T. -0.00 min
Lab File: BG016751.D
Acq: 28 Apr 2015 4:00

Tgt Ion: 264 Resp: 293478
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: 19.28 ng

RT: 22.69 min Scan# 3405

Delta R.T. -0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

Instrument :

BNA_G

ClientSampleId :

TEC02

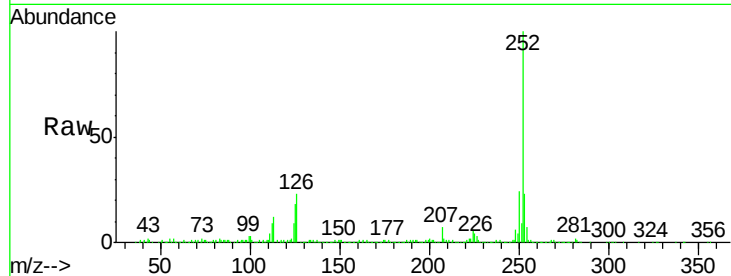
Tgt Ion:252 Resp: 343722

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

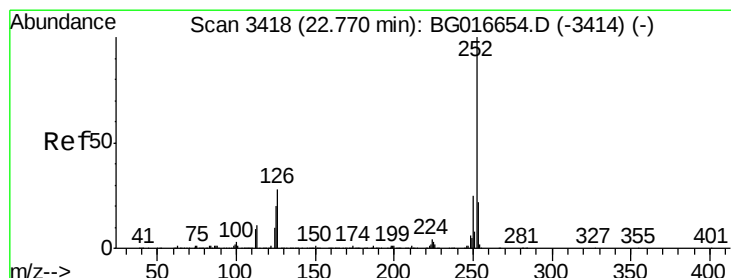
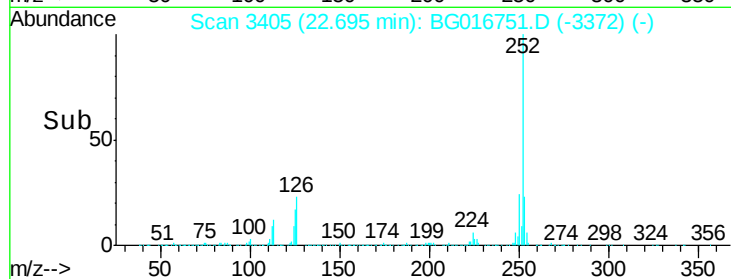
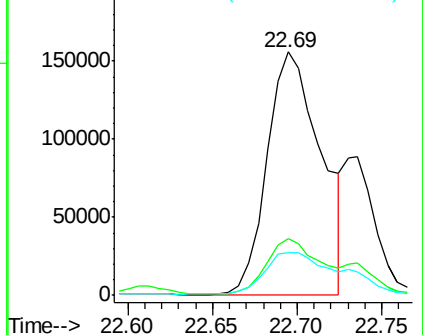
125 17.7 15.8 23.8



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



#88

Benzo(k)fluoranthene

Concen: 19.76 ng

RT: 22.69 min Scan# 3405

Delta R.T. -0.05 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

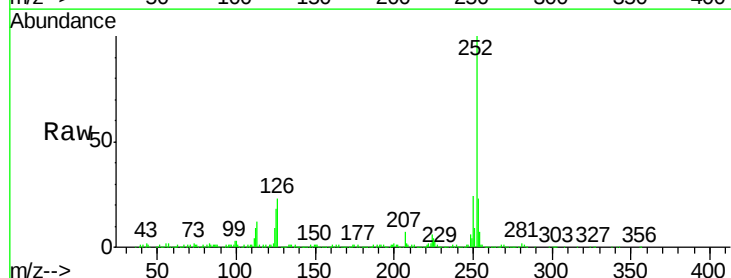
Tgt Ion:252 Resp: 343722

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

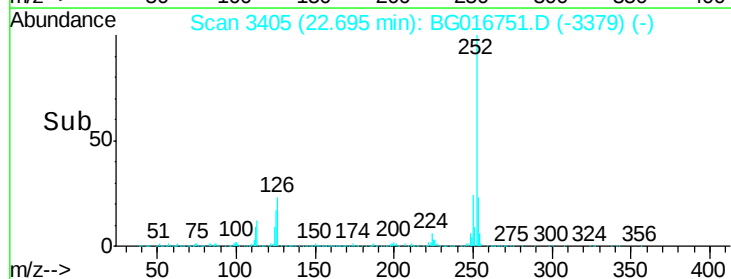
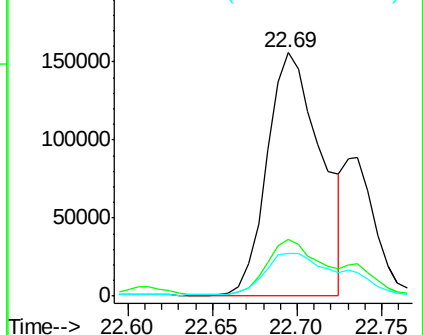
125 17.7 15.5 23.3

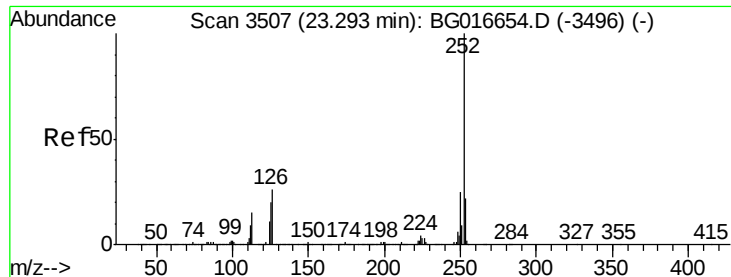


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.54 ng

RT: 23.26 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

Instrument :

BNA_G

ClientSampleId :

TEC02

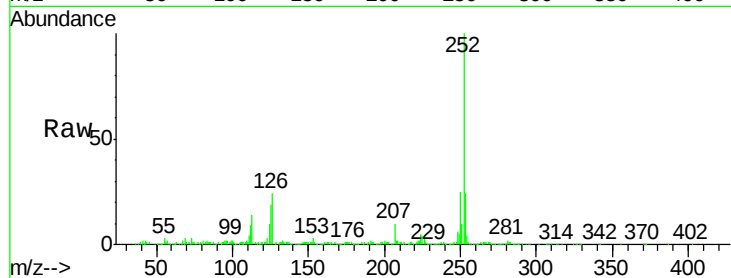
Tgt Ion:252 Resp: 210690

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

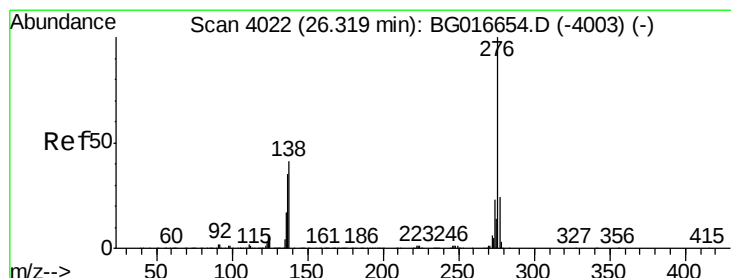
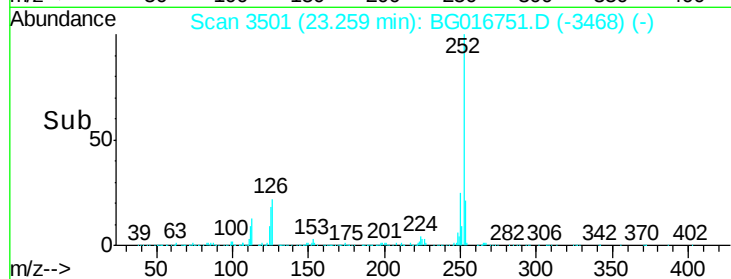
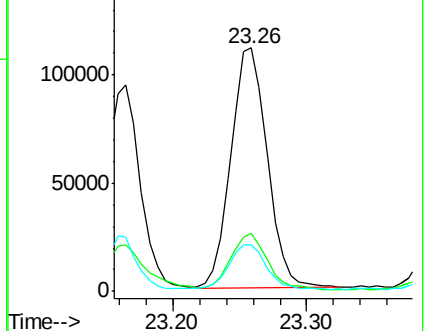
125 19.0 16.3 24.5



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(g,h,i)perylene

Concen: 7.76 ng

RT: 26.26 min Scan# 4011

Delta R.T. -0.01 min

Lab File: BG016751.D

Acq: 28 Apr 2015 4:00

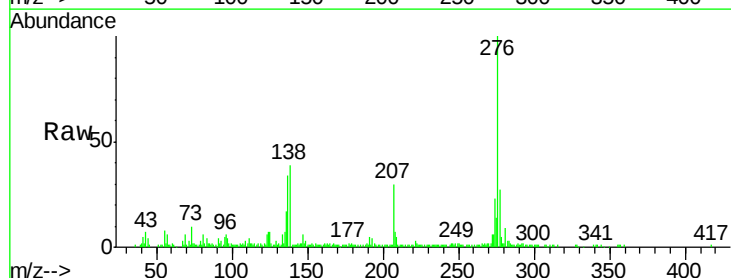
Tgt Ion:276 Resp: 128965

Ion Ratio Lower Upper

276 100

277 26.7 19.3 28.9

138 38.9 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

