

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050715\
 Data File : BG016947.D
 Acq On : 8 May 2015 7:05
 Operator : TP/IZ
 Sample : G2116-13
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-44D

Quant Time: May 08 07:57:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 07:19:54 2015
 Response via : Initial Calibration

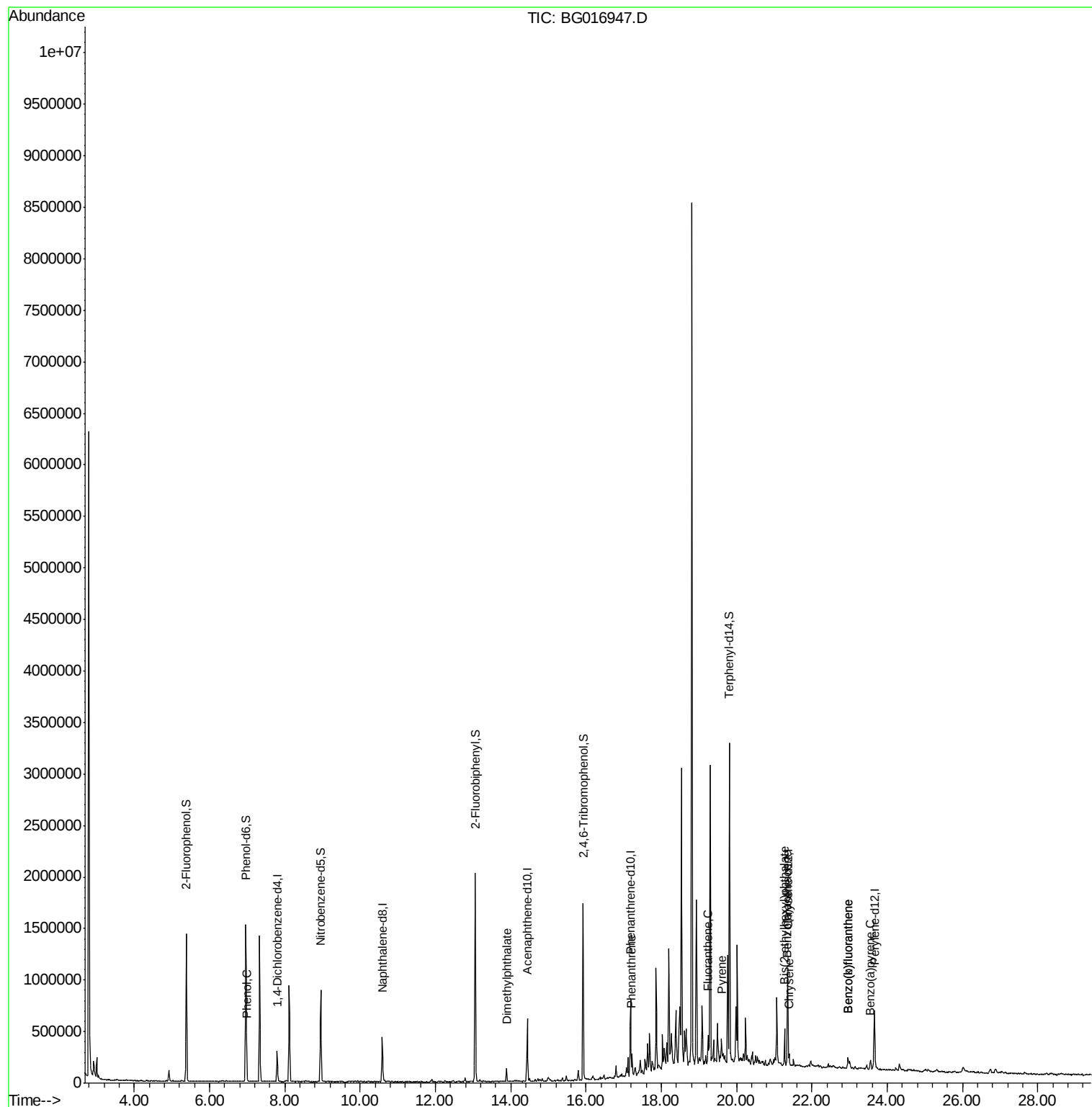
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	69795	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	314392	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	194124	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	407874	20.00	ng	0.00
75) Chrysene-d12	21.36	240	402482	20.00	ng	0.00
86) Perylene-d12	23.66	264	397710	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	516047	128.74	ng	0.00
7) Phenol-d6	6.96	99	724776	126.56	ng	0.00
23) Nitrobenzene-d5	8.96	82	475520	73.89	ng	0.00
41) 2,4,6-Tribromophenol	15.92	330	249100	127.82	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	897442	69.76	ng	0.00
78) Terphenyl-d14	19.81	244	1169555	68.12	ng	0.00
Target Compounds						
10) Phenol	6.99	94	19822	3.23	ng	Qvalue 97
32) Benzoic acid	9.88	122	82	Below Cal	#	19
49) Dimethylphthalate	13.89	163	67202	4.64	ng	98
70) Phenanthrene	17.22	178	121666	5.80	ng	98
74) Fluoranthene	19.24	202	137926	5.66	ng	99
77) Pyrene	19.60	202	125039	5.26	ng	99
80) Benzo(a)anthracene	21.34	228	64212	2.97	ng	96
82) Chrysene	21.39	228	57142	2.83	ng	98
83) Bis(2-ethylhexyl)phthalate	21.28	149	115148	7.46	ng	99
87) Benzo(b)fluoranthene	22.96	252	62821	2.84	ng	# 91
88) Benzo(k)fluoranthene	22.96	252	62821	2.95	ng	# 92
89) Benzo(a)pyrene	23.56	252	53267	2.58	ng	# 89

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.80 min Scan# 870

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

ClientSampleId :

SB-44D

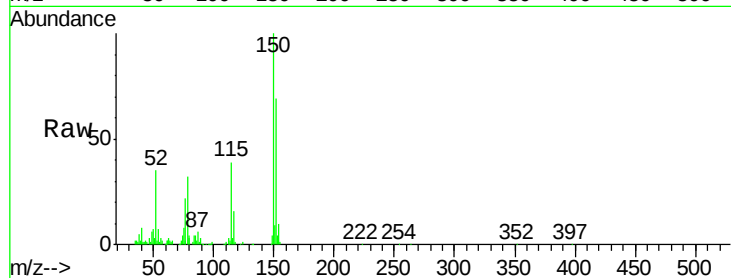
Tgt Ion:152 Resp: 69795

Ion Ratio Lower Upper

152 100

150 145.4 121.0 181.4

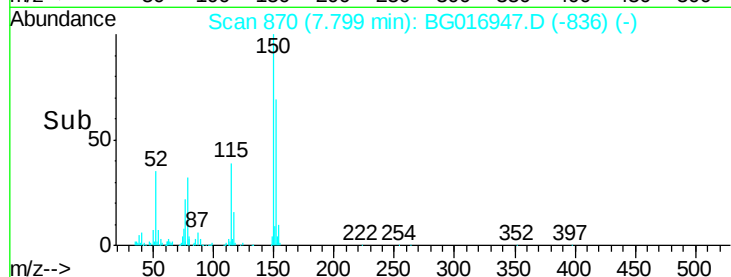
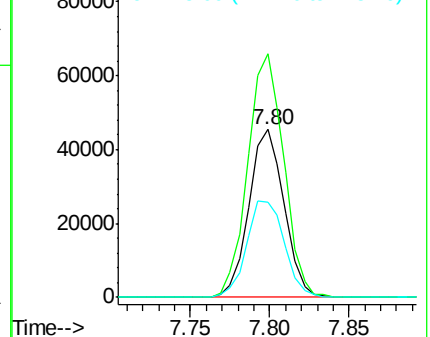
115 56.5 50.5 75.7



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: 128.74 ng

RT: 5.38 min Scan# 459

Delta R.T. 0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

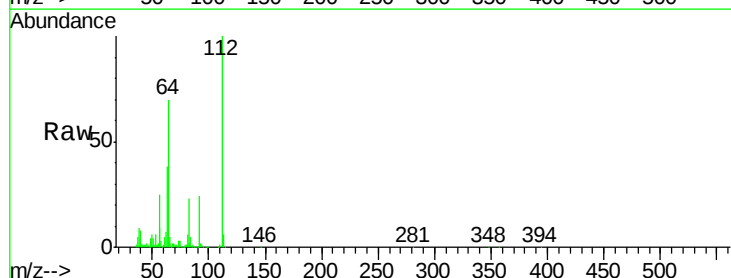
Tgt Ion:112 Resp: 516047

Ion Ratio Lower Upper

112 100

64 70.2 51.4 77.2

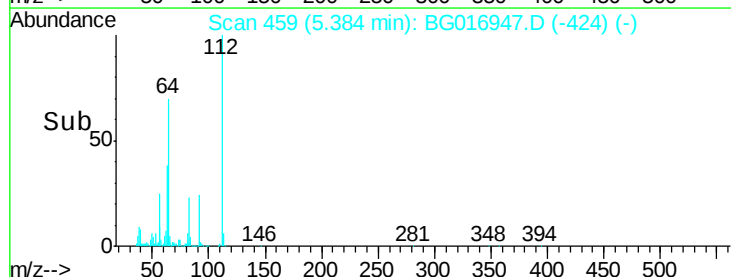
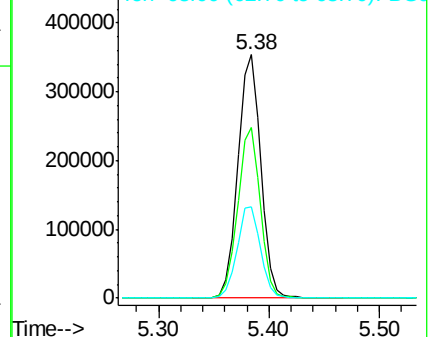
63 37.6 28.1 42.1

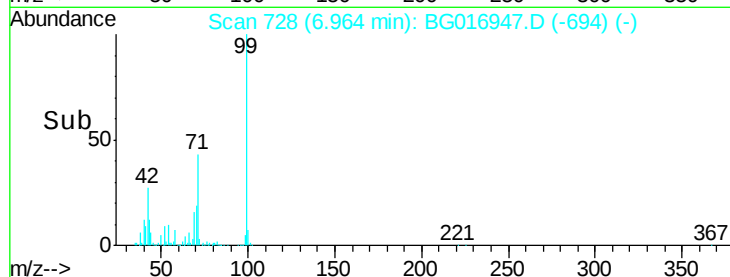
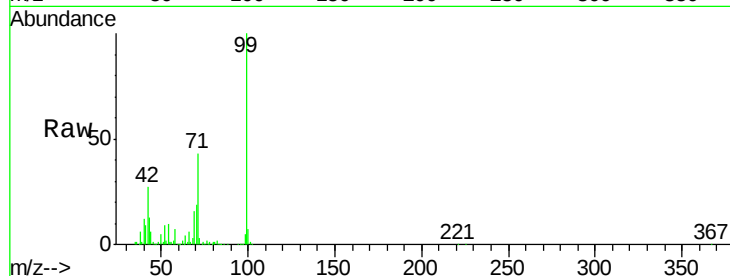
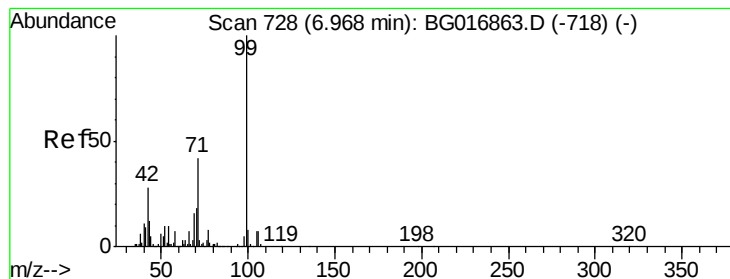


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 126.56 ng

RT: 6.96 min Scan# 728

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

ClientSampleId :

SB-44D

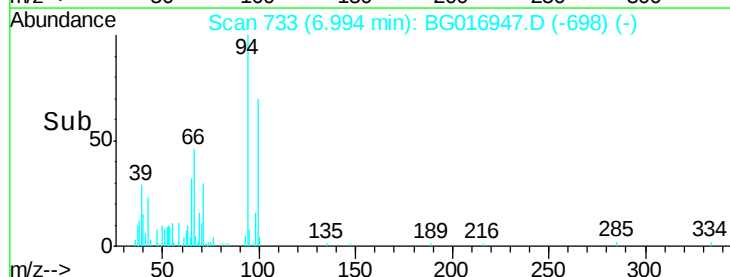
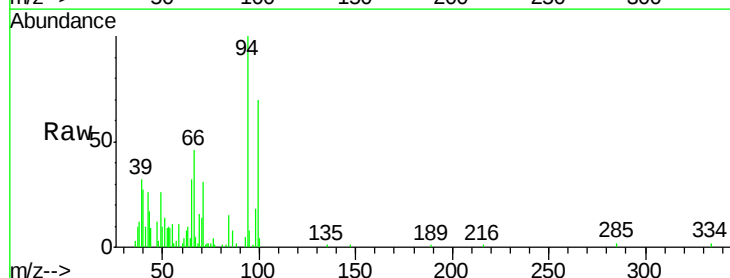
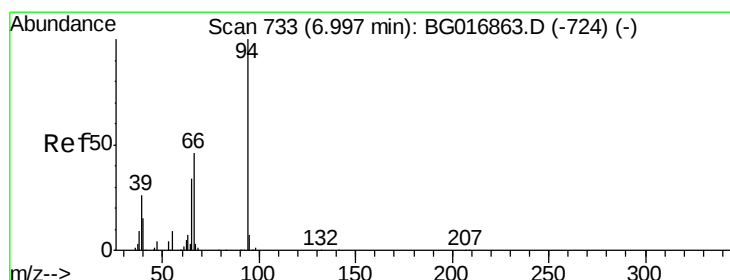
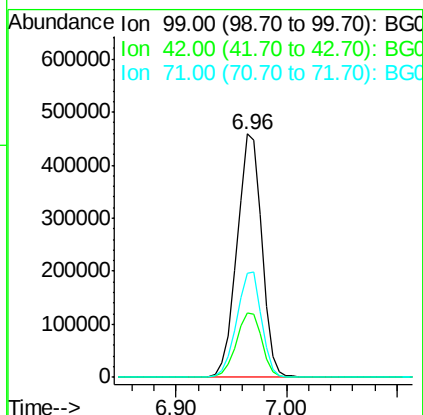
Tgt Ion: 99 Resp: 724776

Ion Ratio Lower Upper

99 100

42 26.7 22.1 33.1

71 42.8 33.4 50.0



#10

Phenol

Concen: 3.23 ng

RT: 6.99 min Scan# 733

Delta R.T. 0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

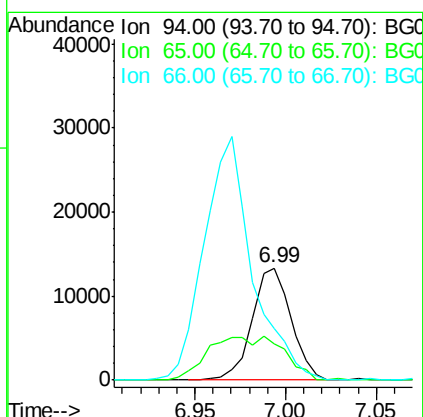
Tgt Ion: 94 Resp: 19822

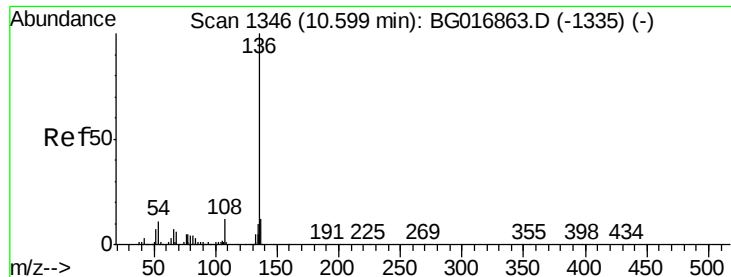
Ion Ratio Lower Upper

94 100

65 32.3 14.3 54.3

66 45.6 26.9 66.9

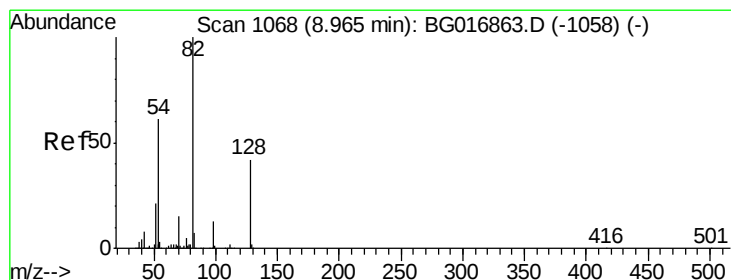
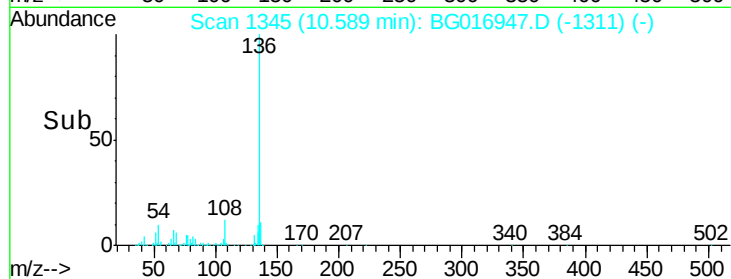
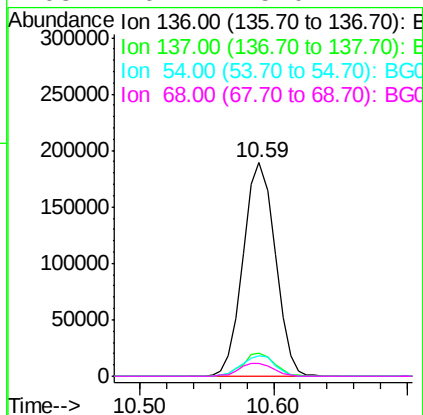
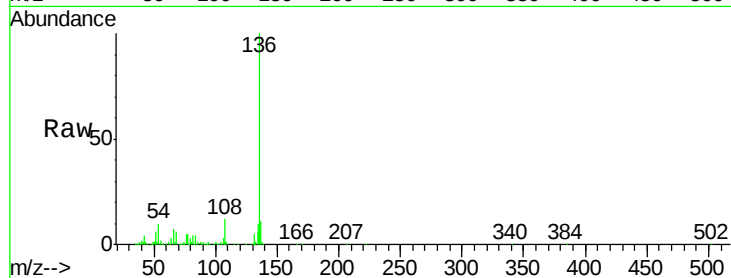




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.59 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

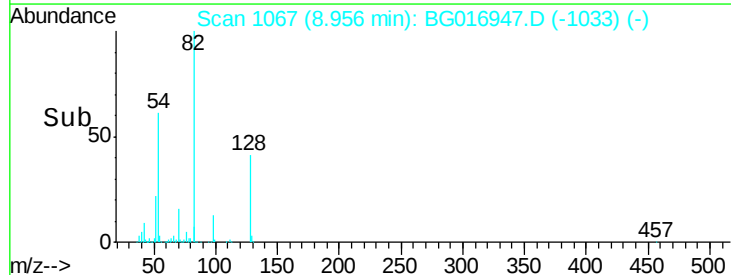
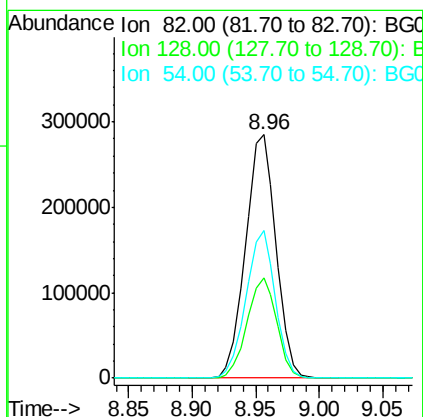
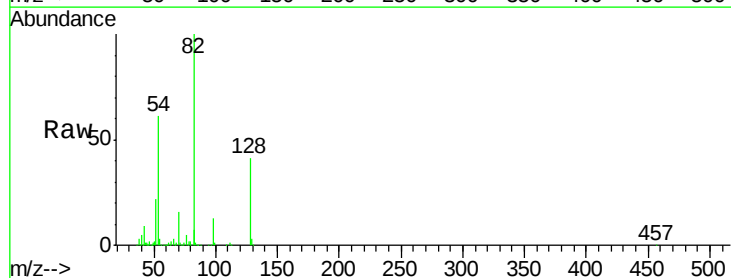
Instrument :
BNA_G
ClientSampleId :
SB-44D

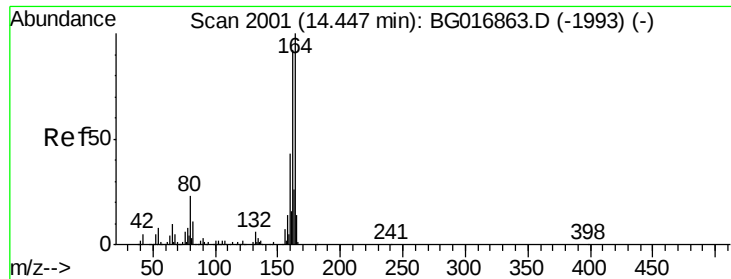
Tgt Ion:	136	Resp:	314392
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.8
54	9.6	8.7	13.1
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 73.89 ng
RT: 8.96 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion:	82	Resp:	475520
Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.2	49.8
54	60.8	48.6	72.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

ClientSampleId :

SB-44D

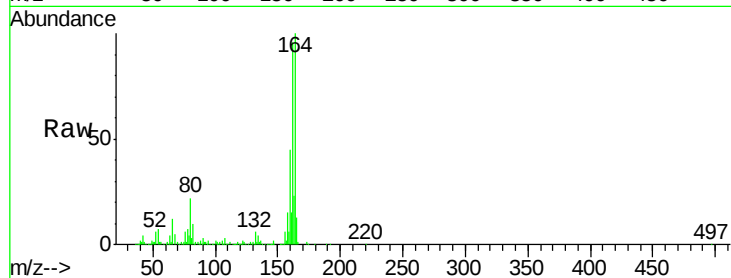
Tgt Ion:164 Resp: 194124

Ion Ratio Lower Upper

164 100

162 96.2 74.0 111.0

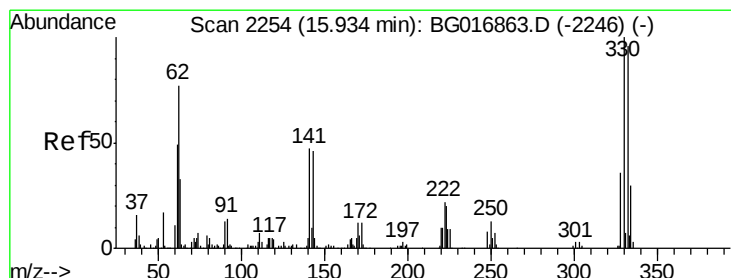
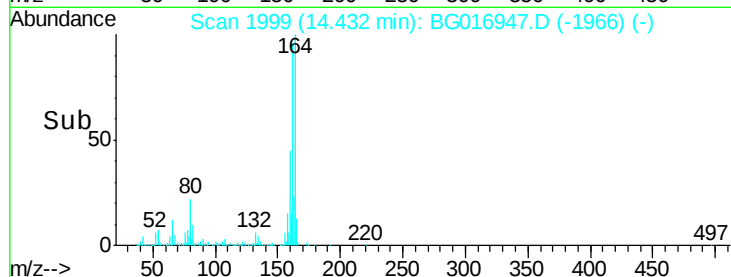
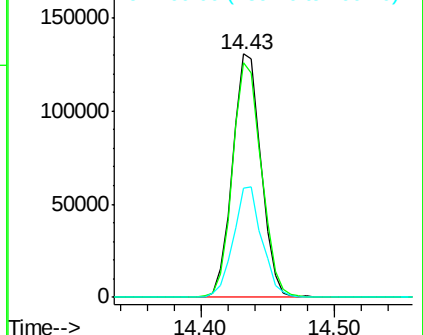
160 44.7 34.7 52.1



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: 127.82 ng

RT: 15.92 min Scan# 2253

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

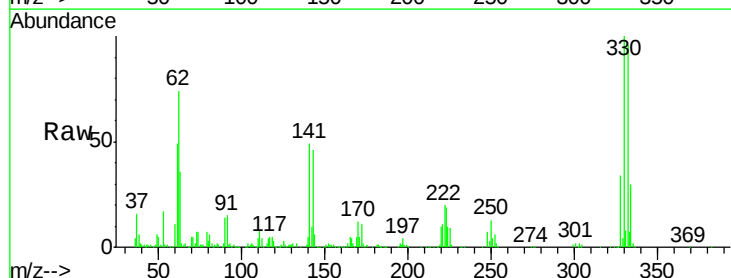
Tgt Ion:330 Resp: 249100

Ion Ratio Lower Upper

330 100

332 93.6 0.0 0.0#

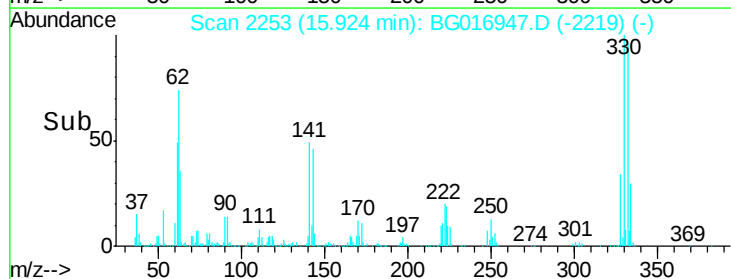
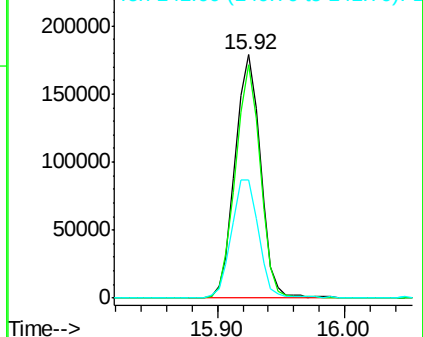
141 52.3 0.0 0.0#

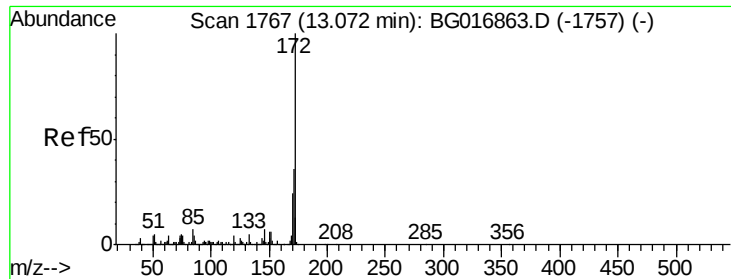


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

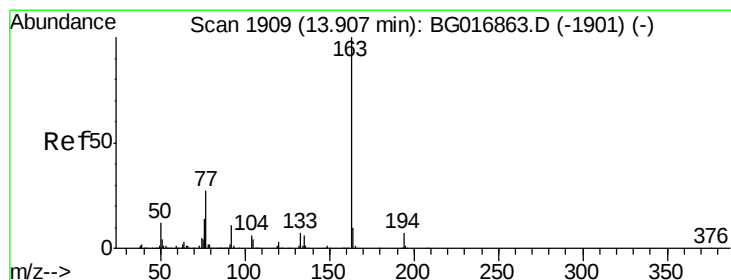
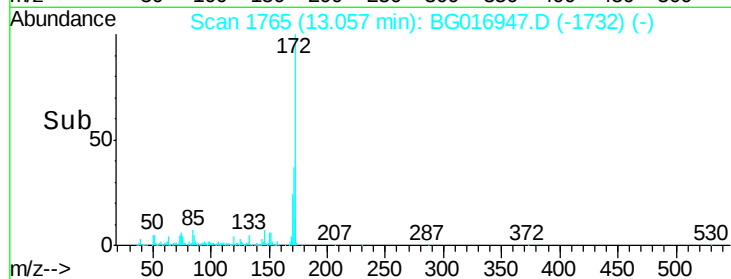
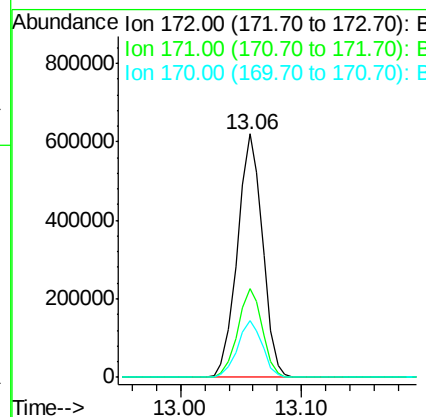
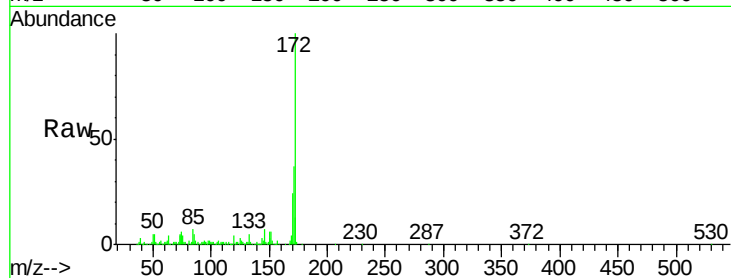




#44
2-Fluorobiphenyl
Concen: 69.76 ng
RT: 13.06 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

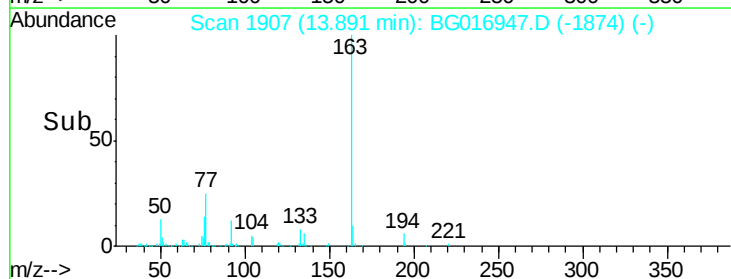
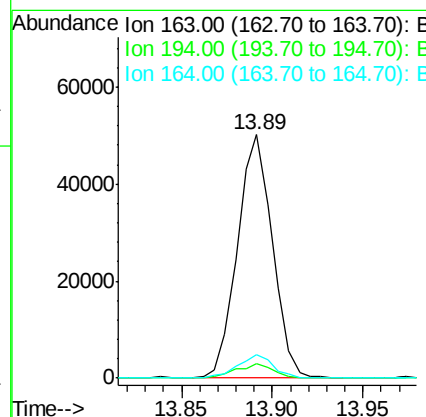
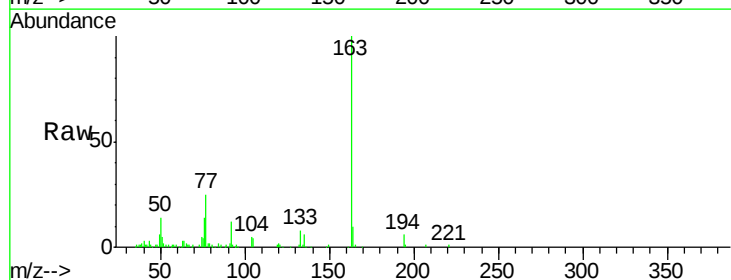
Instrument :
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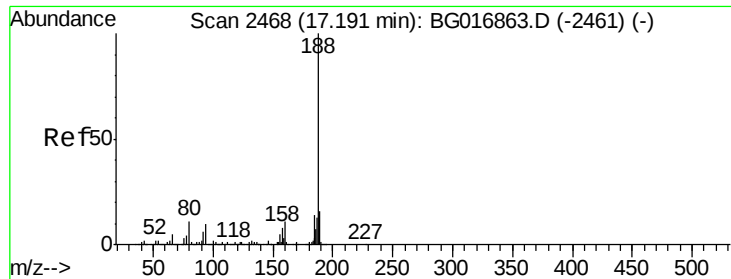
Tgt Ion:172 Resp: 897442
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.4
170 23.5 19.0 28.4



#49
Dimethylphthalate
Concen: 4.64 ng
RT: 13.89 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion:163 Resp: 67202
Ion Ratio Lower Upper
163 100
194 6.2 5.2 7.8
164 9.6 8.4 12.6

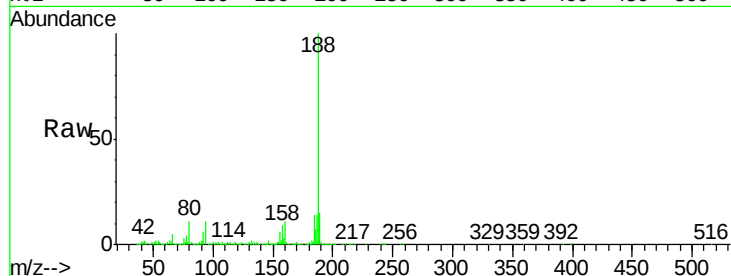




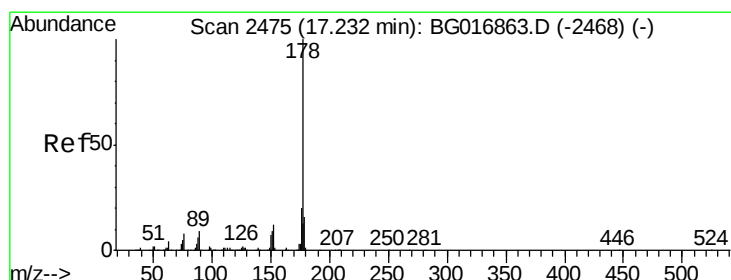
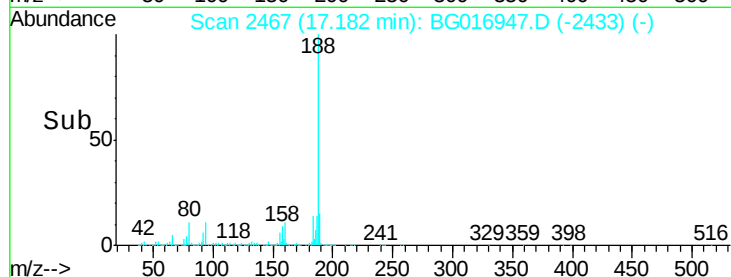
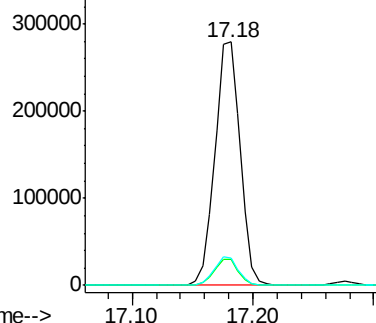
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.18 min Scan# 2467
Delta R.T. 0.00 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Instrument :
BNA_G
ClientSampleId :
SB-44D

Tgt Ion:188 Resp: 407874
Ion Ratio Lower Upper
188 100
94 10.7 8.2 12.4
80 11.2 8.8 13.2

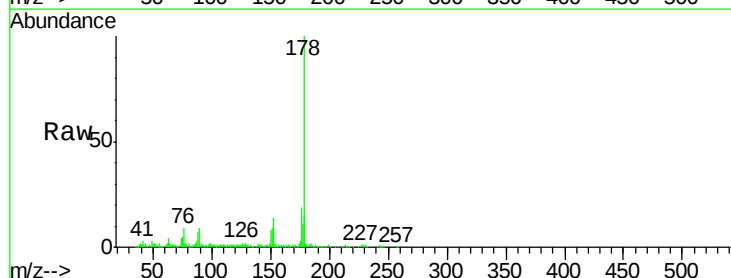


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

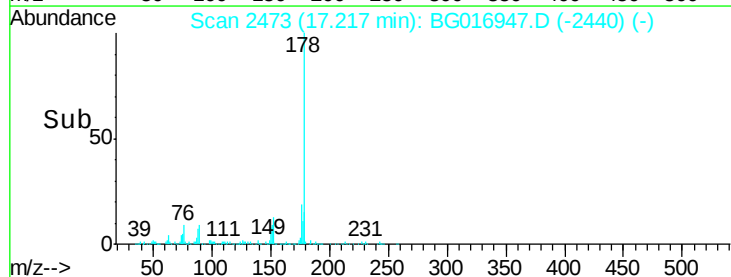
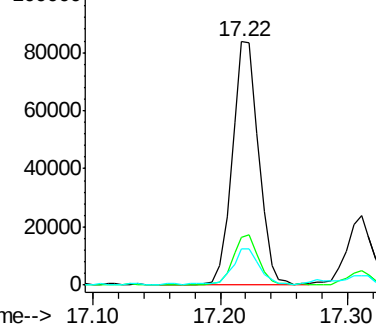


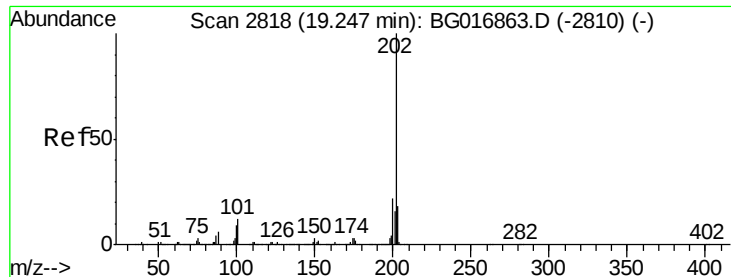
#70
Phenanthrene
Concen: 5.80 ng
RT: 17.22 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BG016947.D
Acq: 8 May 2015 7:05

Tgt Ion:178 Resp: 121666
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.8 13.0 19.6



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: 5.66 ng

RT: 19.24 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

ClientSampleId :

SB-44D

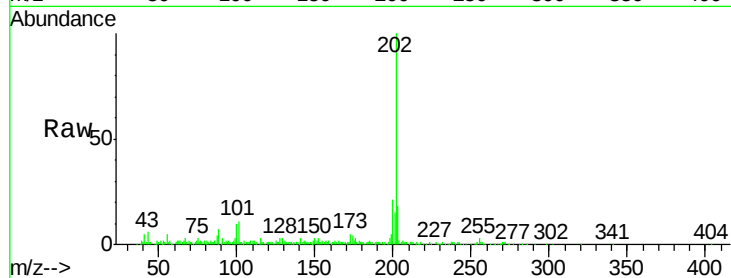
Tgt Ion:202 Resp: 137926

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

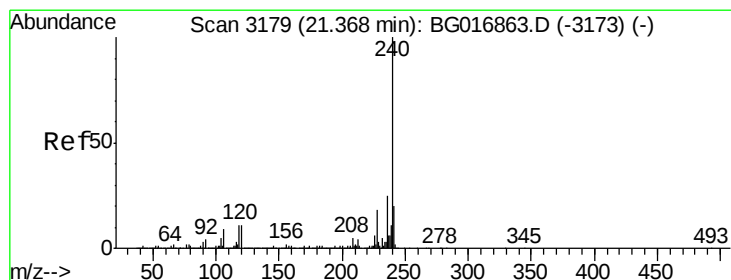
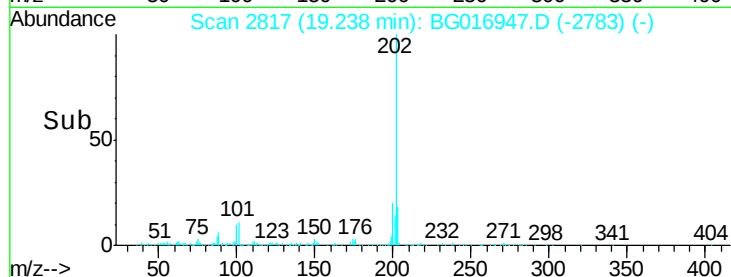
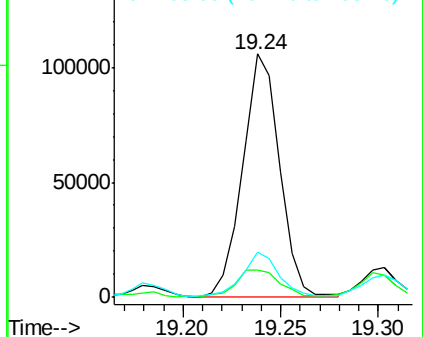
203 18.3 0.0 38.1



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: 21.36 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

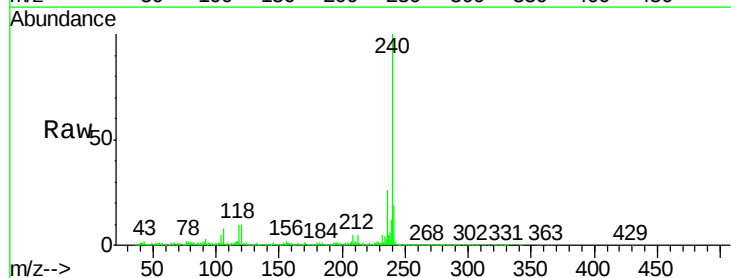
Tgt Ion:240 Resp: 402482

Ion Ratio Lower Upper

240 100

120 10.4 9.1 13.7

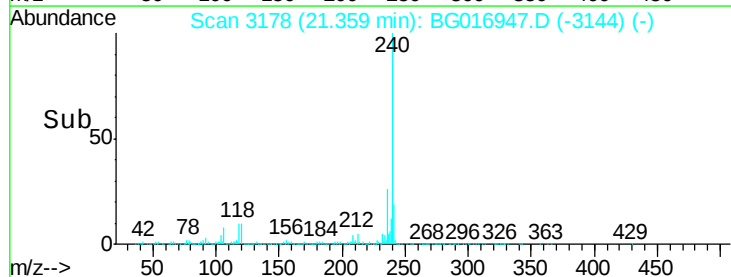
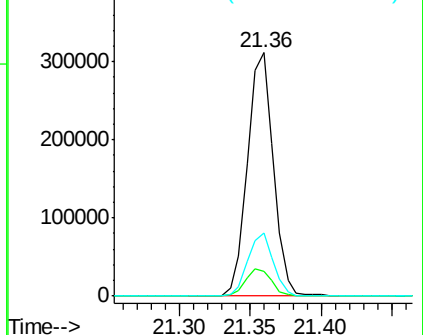
236 25.9 20.2 30.4

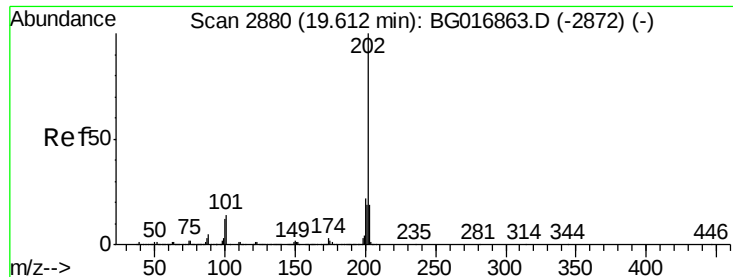


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

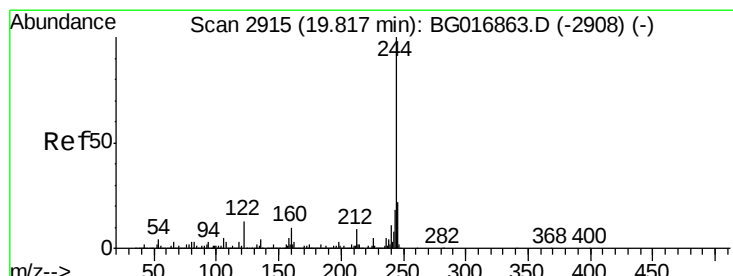
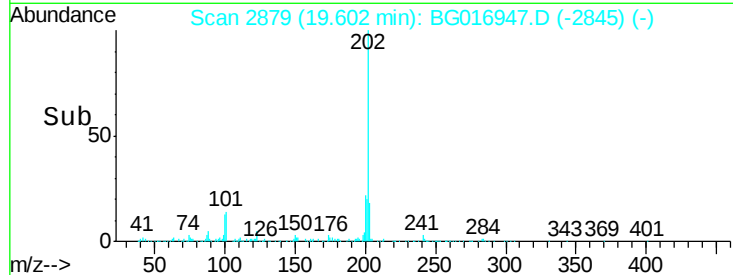
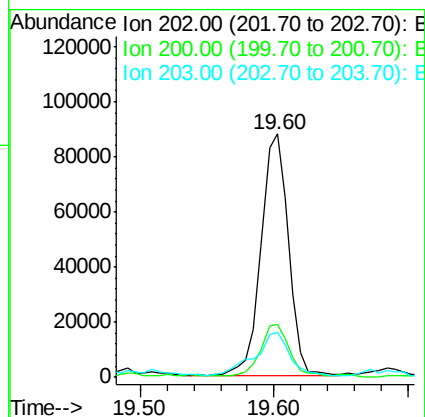
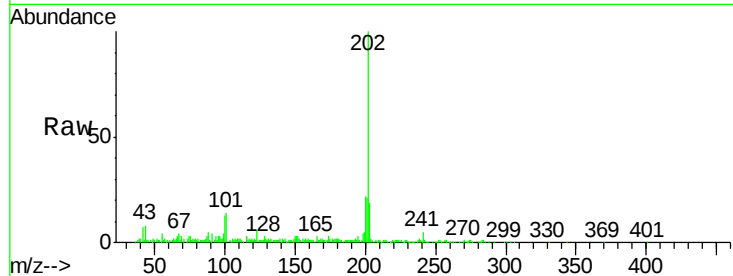




#77
 Pyrene
 Concen: 5.26 ng
 RT: 19.60 min Scan# 2879
 Delta R.T. 0.00 min
 Lab File: BG016947.D
 Acq: 8 May 2015 7:05

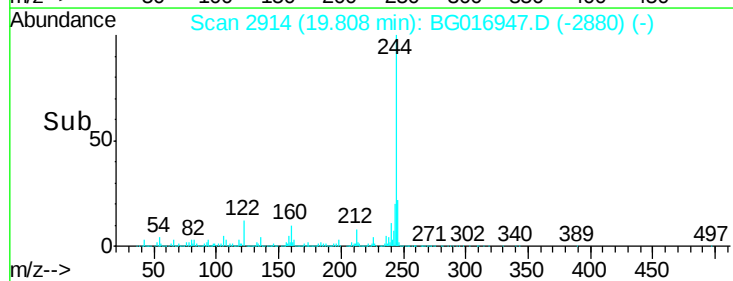
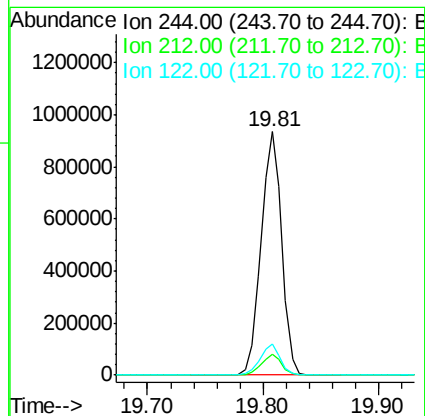
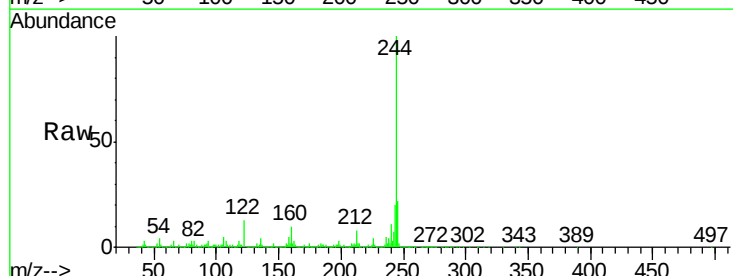
Instrument :
 BNA_G
 ClientSampleId :
 SB-44D

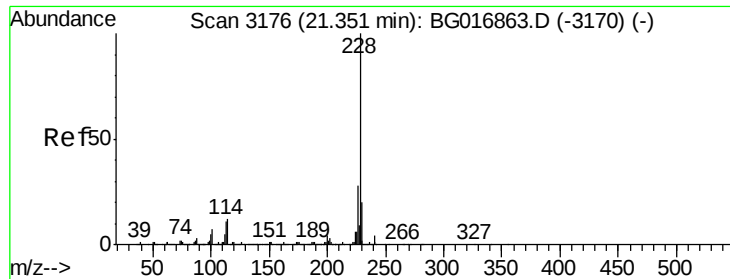
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.9	26.9
203	18.5	15.2	22.8



#78
 Terphenyl-d14
 Concen: 68.12 ng
 RT: 19.81 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: BG016947.D
 Acq: 8 May 2015 7:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	12.5	10.4	15.6





#80

Benzo(a)anthracene

Concen: 2.97 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

ClientSampleId :

SB-44D

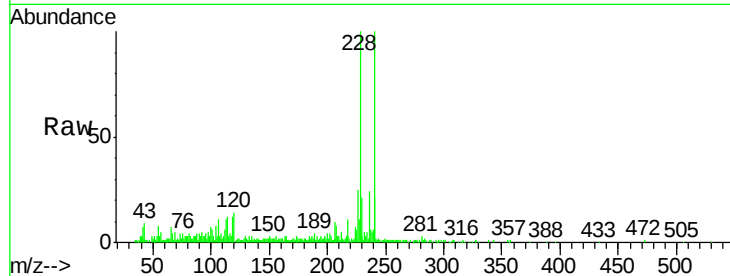
Tgt Ion:228 Resp: 64212

Ion Ratio Lower Upper

228 100

226 25.1 22.7 34.1

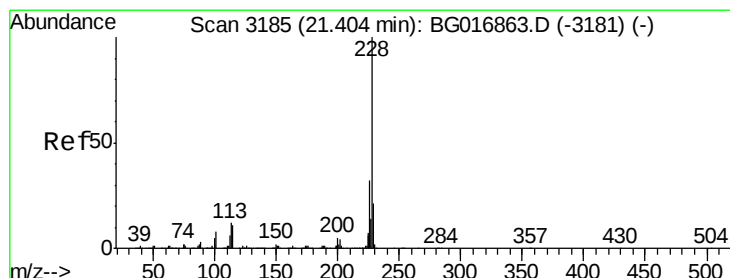
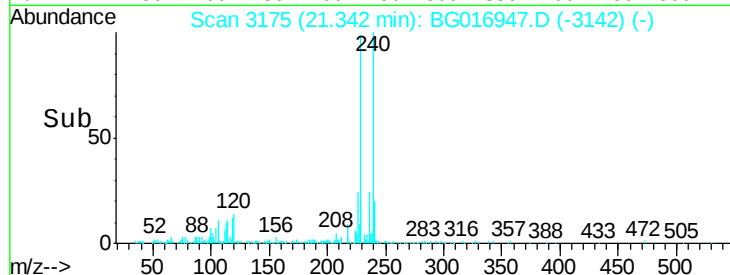
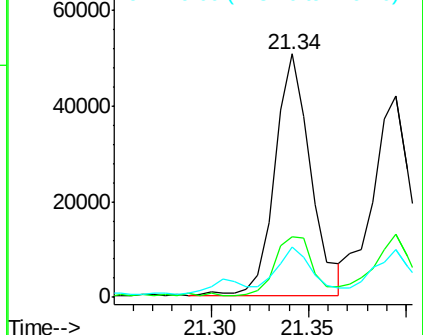
229 20.6 16.1 24.1



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



#82

Chrysene

Concen: 2.83 ng

RT: 21.39 min Scan# 3184

Delta R.T. -0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

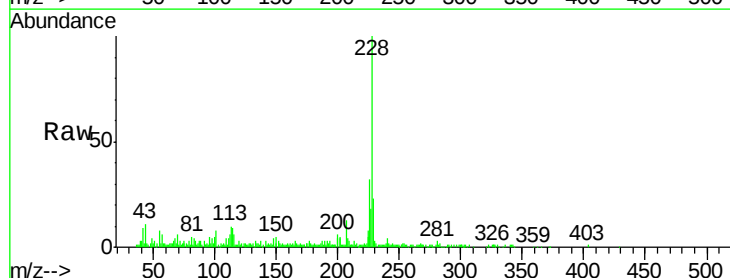
Tgt Ion:228 Resp: 57142

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

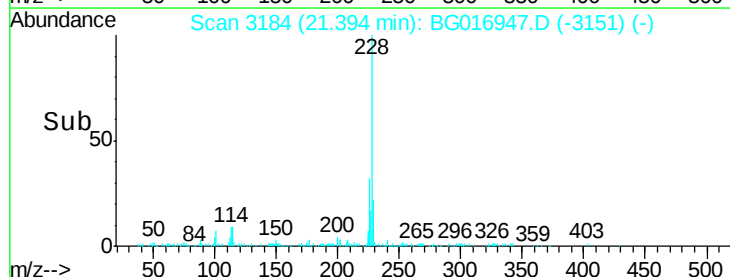
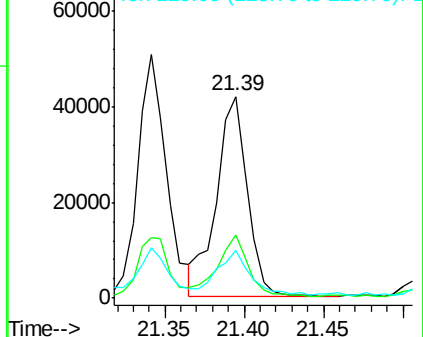
229 23.4 16.5 24.7

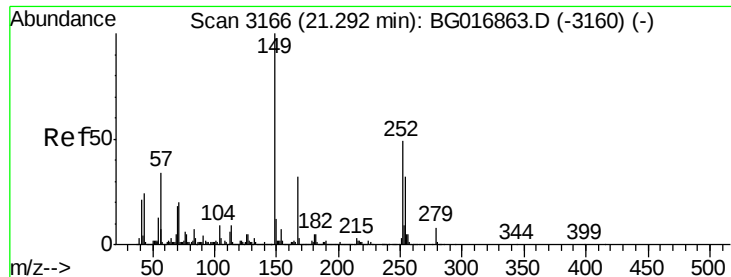


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

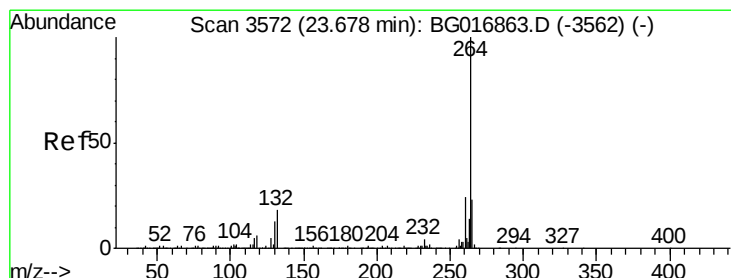
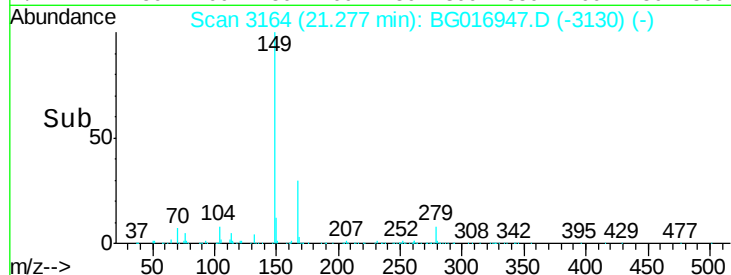
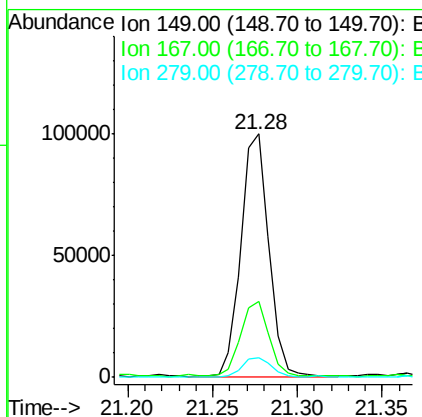
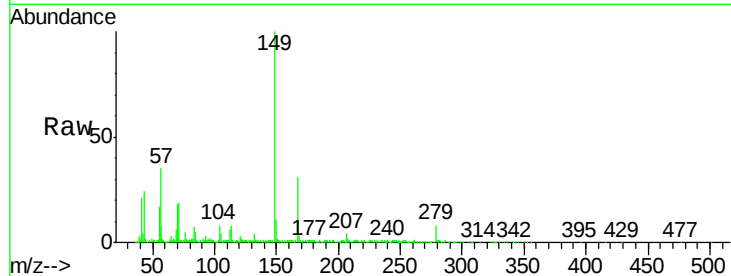




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.46 ng
 RT: 21.28 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BG016947.D
 Acq: 8 May 2015 7:05

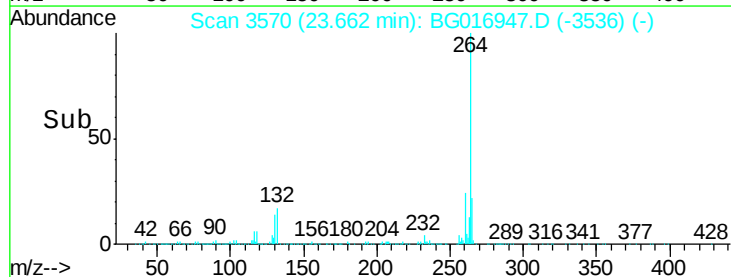
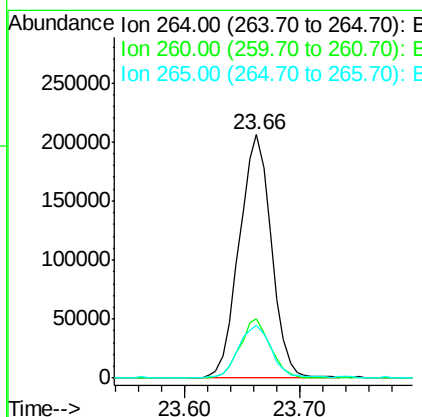
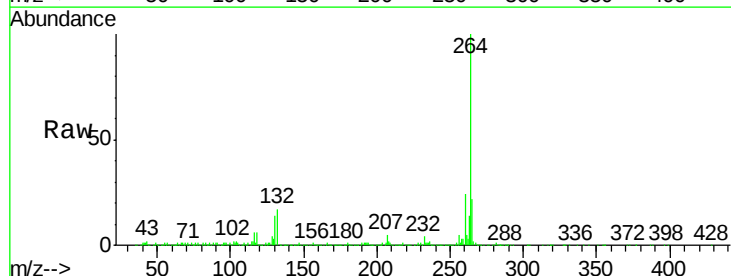
Instrument :
 BNA_G
 ClientSampleId :
 SB-44D

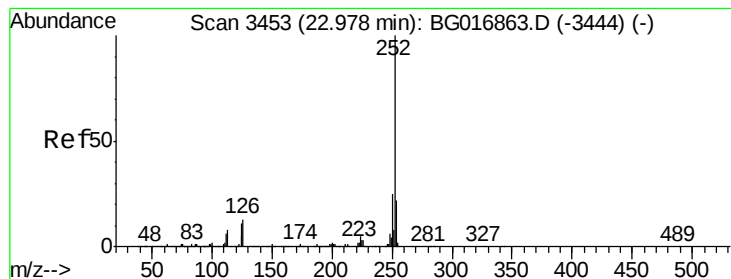
Tgt Ion:149 Resp: 115148
 Ion Ratio Lower Upper
 149 100
 167 31.2 25.4 38.0
 279 8.1 6.4 9.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.66 min Scan# 3570
 Delta R.T. 0.00 min
 Lab File: BG016947.D
 Acq: 8 May 2015 7:05

Tgt Ion:264 Resp: 397710
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 21.7 18.5 27.7





#87

Benzo(b)fluoranthene

Concen: 2.84 ng

RT: 22.96 min Scan# 3451

Delta R.T. -0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

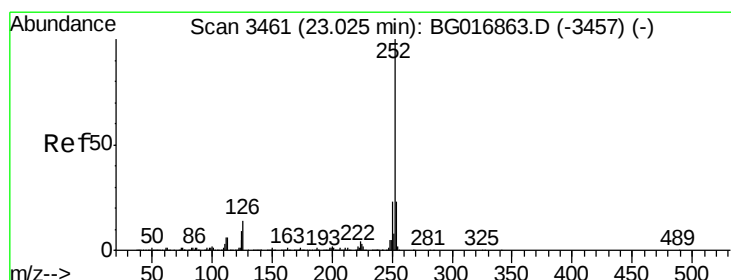
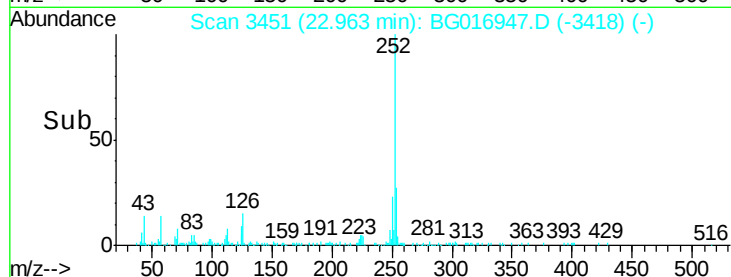
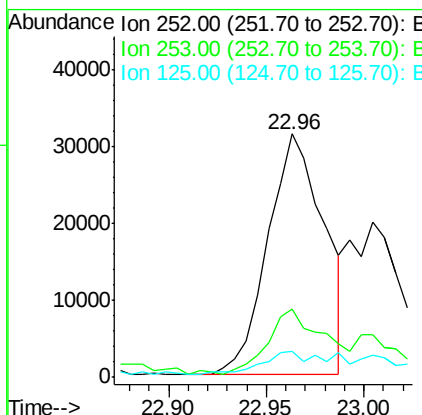
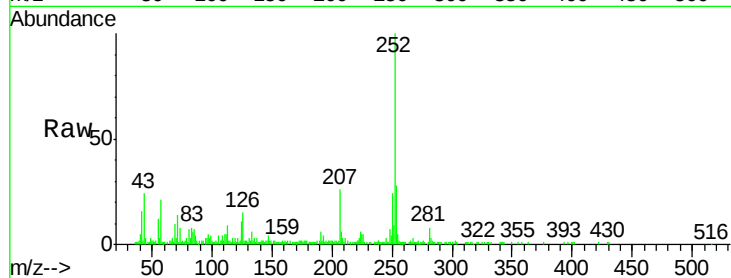
Instrument :

BNA_G

ClientSampleId :

SB-44D

Tgt Ion:	252	Resp:	62821
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.4	26.0#
125	10.8	8.6	13.0



#88

Benzo(k)fluoranthene

Concen: 2.95 ng

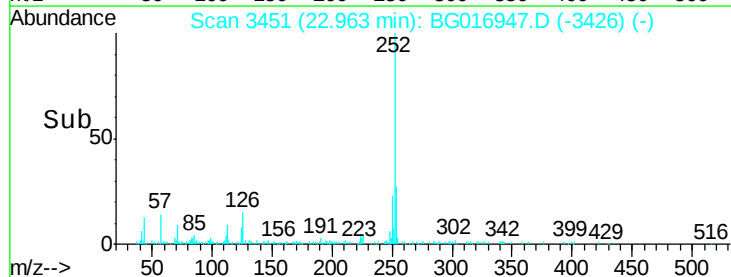
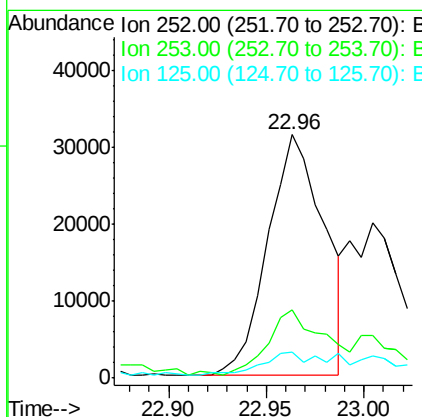
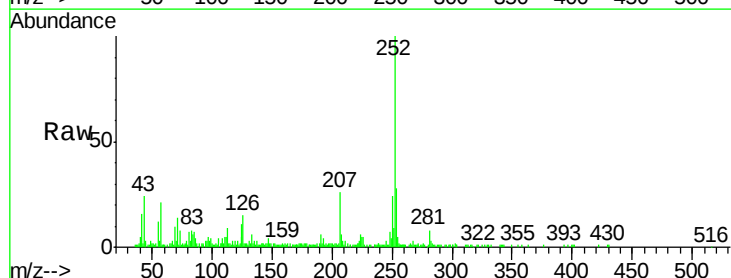
RT: 22.96 min Scan# 3451

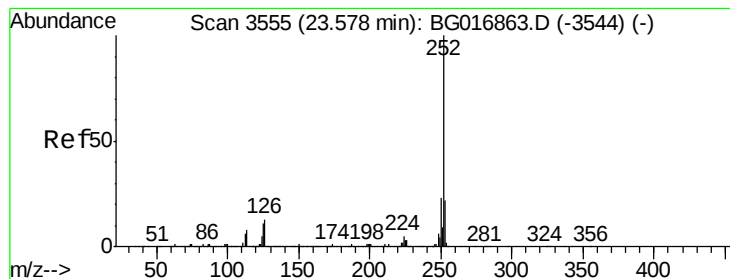
Delta R.T. -0.05 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Tgt Ion:	252	Resp:	62821
Ion Ratio	Lower	Upper	
252	100		
253	28.0	18.4	27.6#
125	10.8	7.9	11.9





#89

Benzo(a)pyrene

Concen: 2.58 ng

RT: 23.56 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG016947.D

Acq: 8 May 2015 7:05

Instrument :

BNA_G

ClientSampleId :

SB-44D

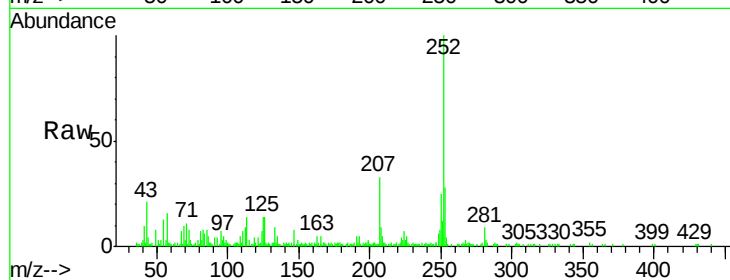
Tgt Ion:252 Resp: 53267

Ion Ratio Lower Upper

252 100

253 27.7 17.7 26.5#

125 14.1 8.5 12.7#



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

