

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050715\
 Data File : BG016915.D
 Acq On : 7 May 2015 10:13
 Operator : TP/IZ
 Sample : G2114-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GRID-1(12-18)

Quant Time: May 08 02:22:43 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 02:05:00 2015
 Response via : Initial Calibration

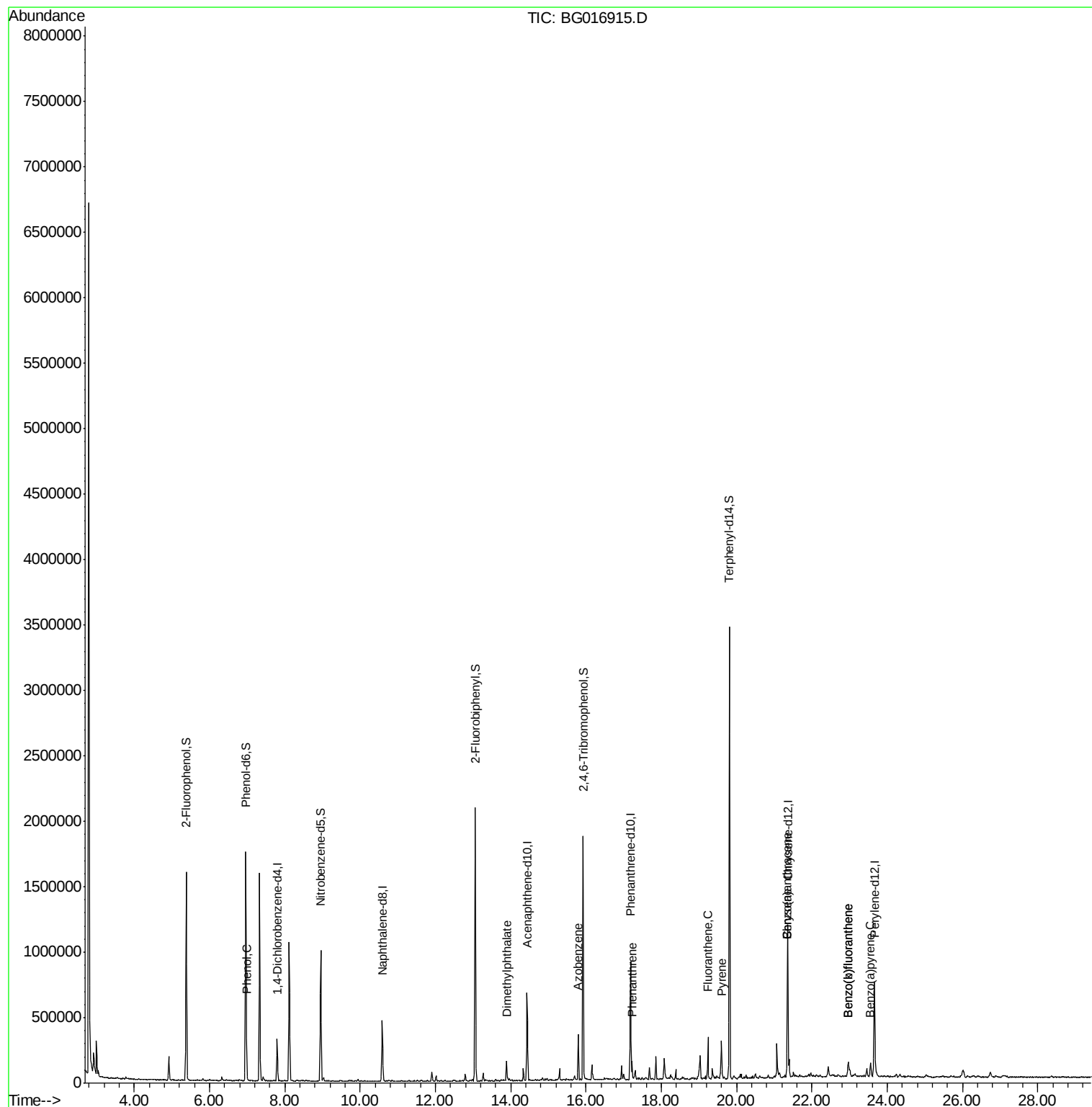
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	75243	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	335910	20.00	ng	0.00
38) Acenaphthene-d10	14.43	164	217884	20.00	ng	0.00
63) Phenanthrene-d10	17.18	188	474824	20.00	ng	0.00
75) Chrysene-d12	21.36	240	493233	20.00	ng	0.00
86) Perylene-d12	23.66	264	482240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	567352	131.29	ng	0.00
7) Phenol-d6	6.97	99	797810	129.23	ng	0.00
23) Nitrobenzene-d5	8.96	82	531584	77.31	ng	0.00
41) 2,4,6-Tribromophenol	15.93	330	262082	119.82	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	923500	63.96	ng	0.00
78) Terphenyl-d14	19.81	244	1309026	62.22	ng	0.00
Target Compounds						
10) Phenol	6.99	94	18662	2.82	ng	Qvalue 88
32) Benzoic acid	9.93	122	59	Below Cal	#	43
49) Dimethylphthalate	13.89	163	74771	4.60	ng	98
62) Azobenzene	15.80	77	95225	5.35	ng	# 2
70) Phenanthrene	17.22	178	77925	3.19	ng	# 94
74) Fluoranthene	19.24	202	165103	5.82	ng	99
77) Pyrene	19.60	202	148302	5.09	ng	99
80) Benzo(a)anthracene	21.34	228	73912	2.79	ng	99
82) Chrysene	21.34	228	73912	2.98	ng	96
87) Benzo(b)fluoranthene	22.96	252	79447	2.96	ng	100
88) Benzo(k)fluoranthene	22.96	252	79447	3.07	ng	98
89) Benzo(a)pyrene	23.56	252	60020	2.40	ng	98

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

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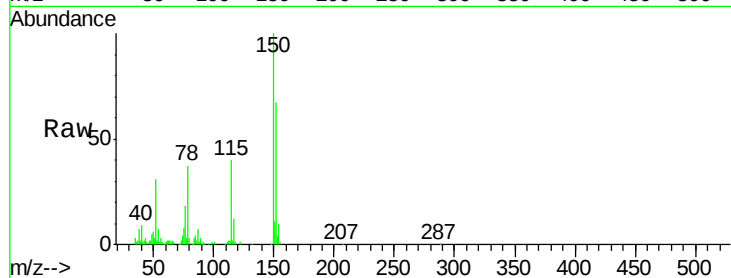


#1

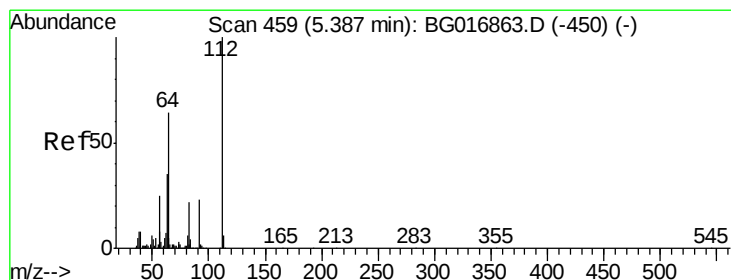
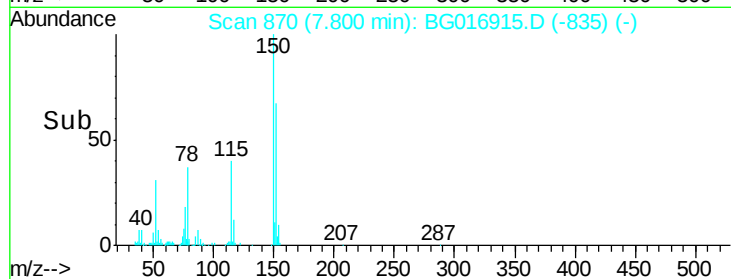
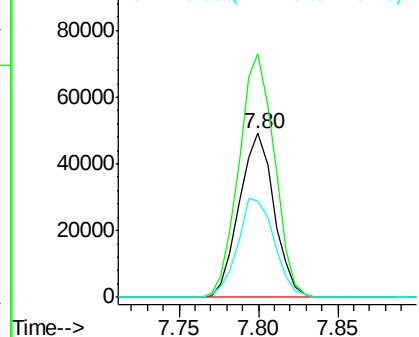
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.80 min Scan# 870
Delta R.T. 0.01 min
Lab File: BG016915.D
Acq: 7 May 2015 10:13

Instrument :
BNA_G
ClientSampleId :
GRID-1(12-18)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.6	121.0	181.4
115	59.2	50.5	75.7



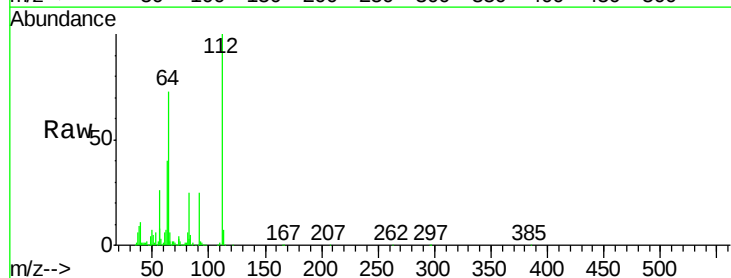
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



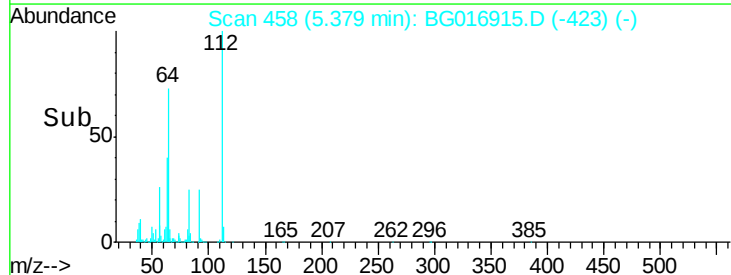
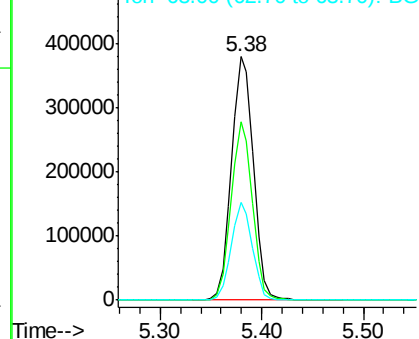
#5

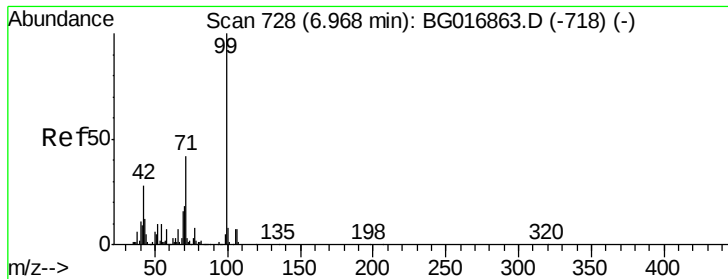
2-Fluorophenol
Concen: 131.29 ng
RT: 5.38 min Scan# 458
Delta R.T. 0.01 min
Lab File: BG016915.D
Acq: 7 May 2015 10:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.4	51.4	77.2
63	40.0	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: 129.23 ng

RT: 6.97 min Scan# 728

Delta R.T. 0.01 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

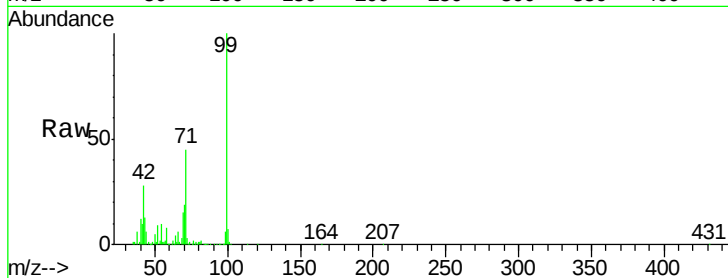
Tgt Ion: 99 Resp: 797810

Ion Ratio Lower Upper

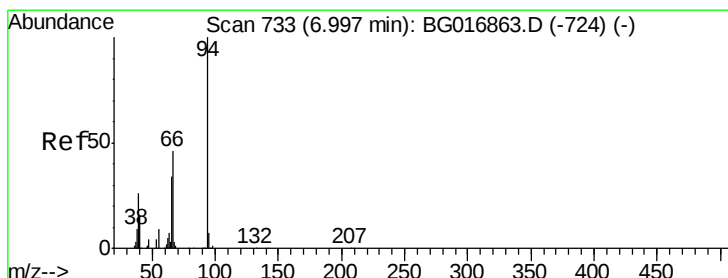
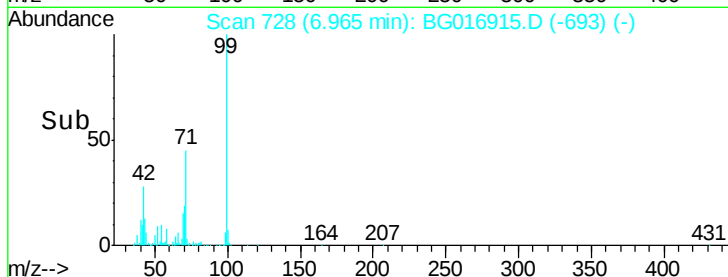
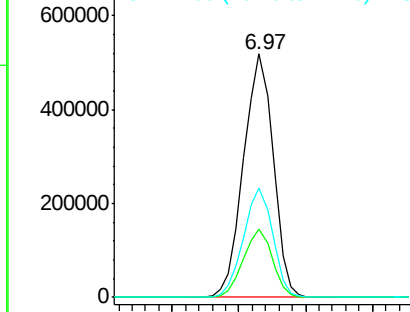
99 100

42 27.9 22.1 33.1

71 44.7 33.4 50.0



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



#10

Phenol

Concen: 2.82 ng

RT: 6.99 min Scan# 732

Delta R.T. 0.01 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

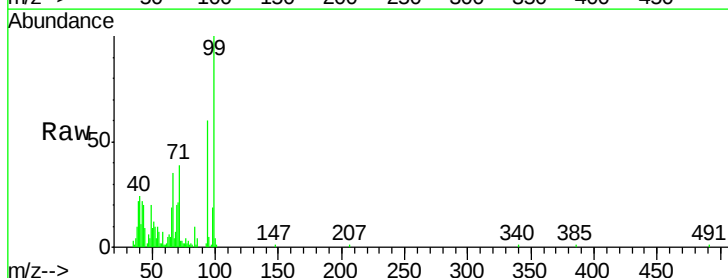
Tgt Ion: 94 Resp: 18662

Ion Ratio Lower Upper

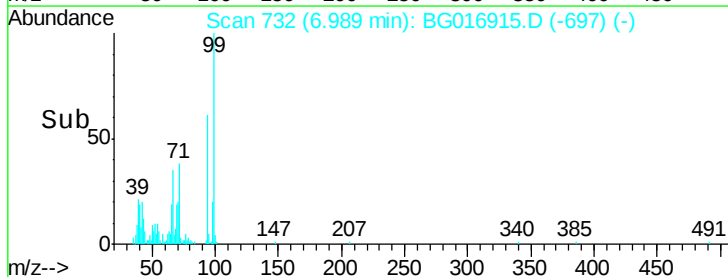
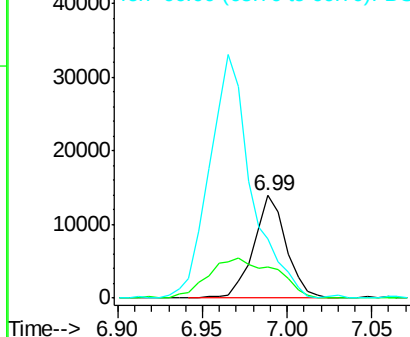
94 100

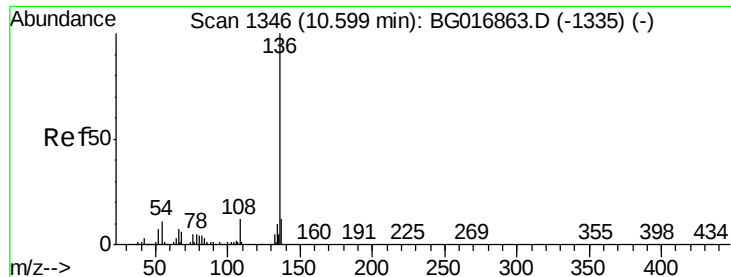
65 31.0 14.3 54.3

66 58.0 26.9 66.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

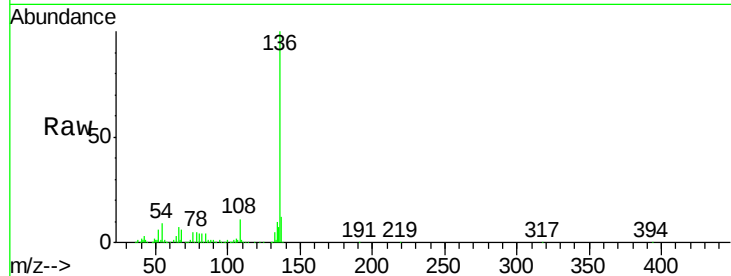




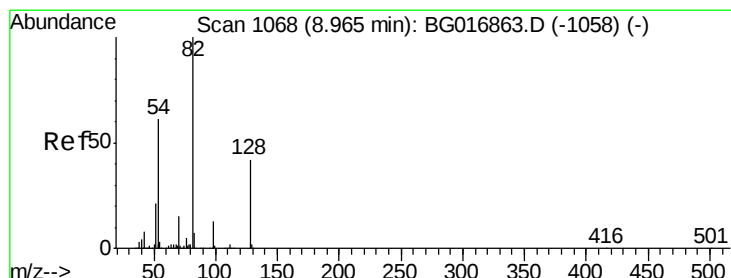
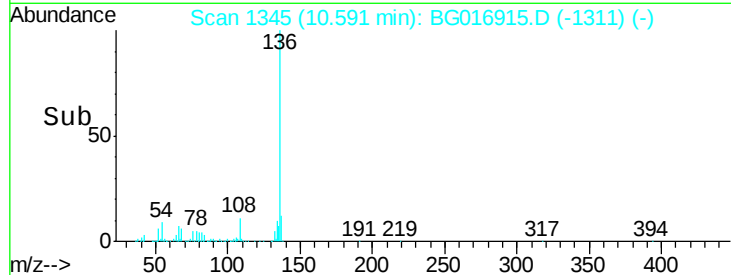
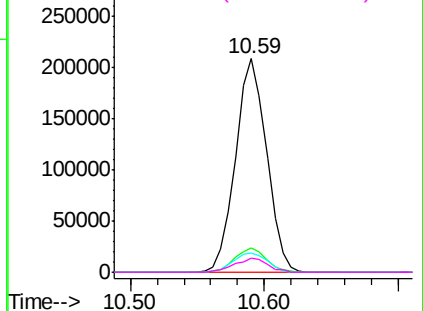
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.59 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BG016915.D
Acq: 7 May 2015 10:13

Instrument :
BNA_G
ClientSampleId :
GRID-1(12-18)

Tgt Ion:	136	Resp:	335910
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.8
54	9.0	8.7	13.1
68	6.4	5.0	7.4

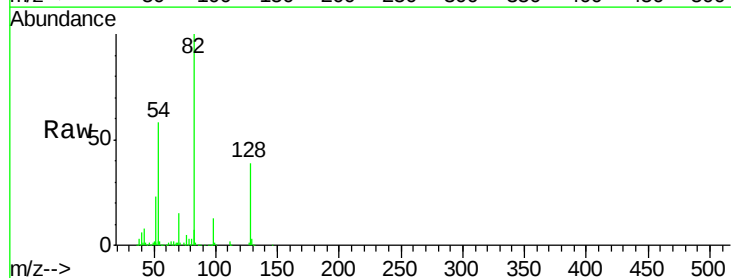


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

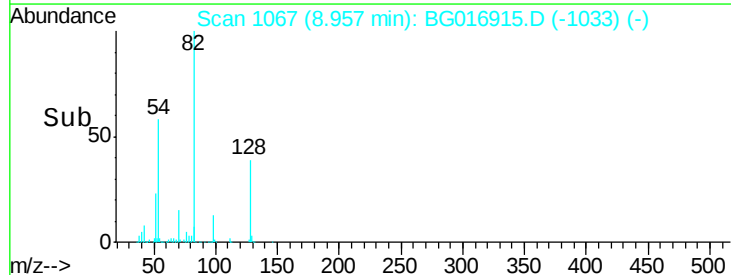
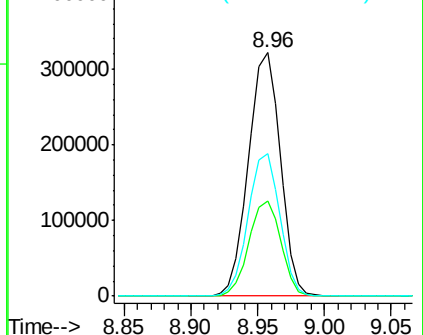


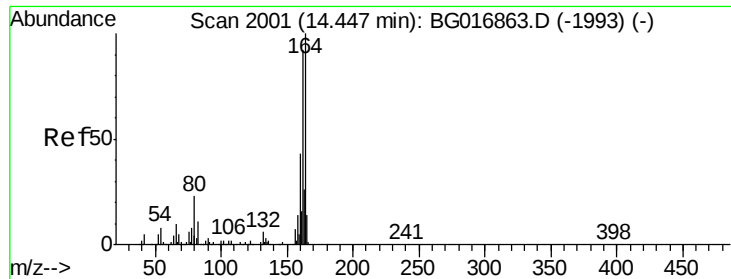
#23
Nitrobenzene-d5
Concen: 77.31 ng
RT: 8.96 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BG016915.D
Acq: 7 May 2015 10:13

Tgt Ion:	82	Resp:	531584
Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.2	49.8
54	58.4	48.6	72.8



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: 14.43 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

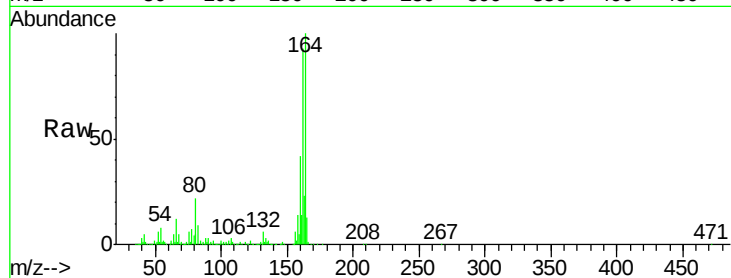
Tgt Ion:164 Resp: 217884

Ion Ratio Lower Upper

164 100

162 93.1 74.0 111.0

160 42.2 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

14.43

150000

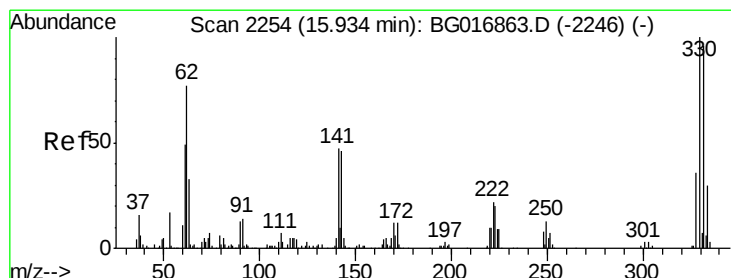
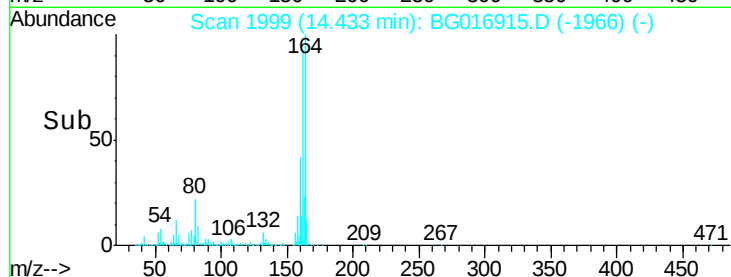
100000

50000

0

14.35 14.40 14.45 14.50

Time-->



#41

2,4,6-Tribromophenol

Concen: 119.82 ng

RT: 15.93 min Scan# 2253

Delta R.T. -0.00 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

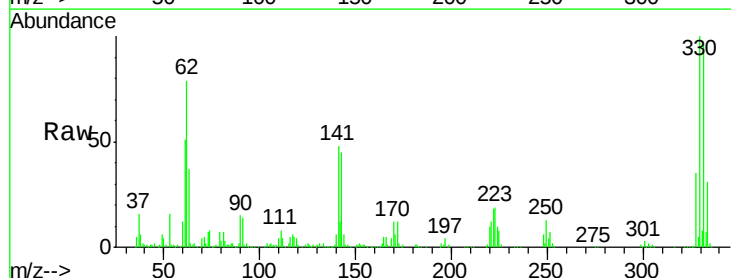
Tgt Ion:330 Resp: 262082

Ion Ratio Lower Upper

330 100

332 95.9 0.0 0.0#

141 51.6 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

15.93

250000

200000

150000

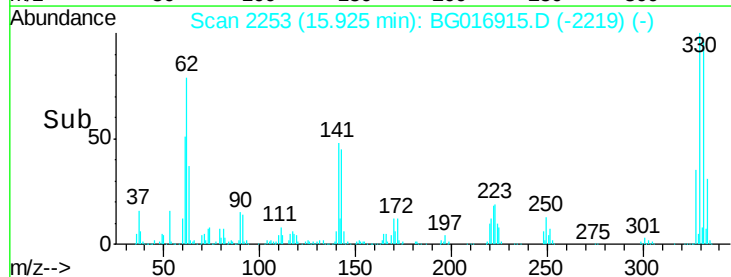
100000

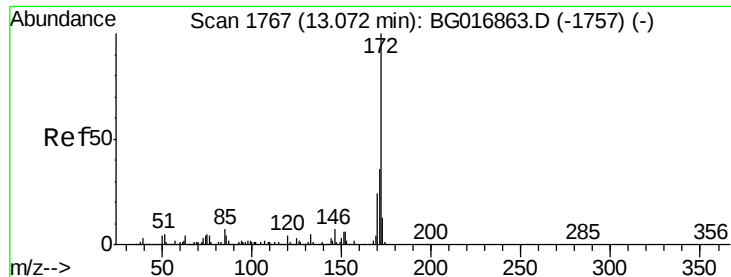
50000

0

15.90 16.00

Time-->

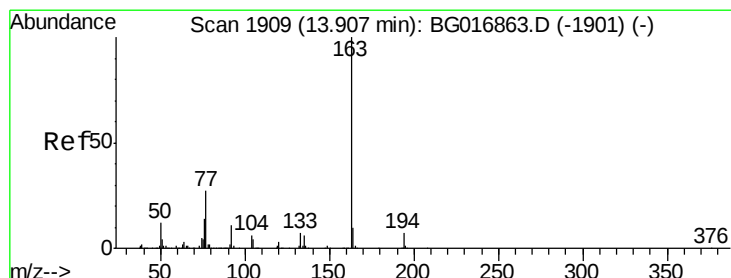
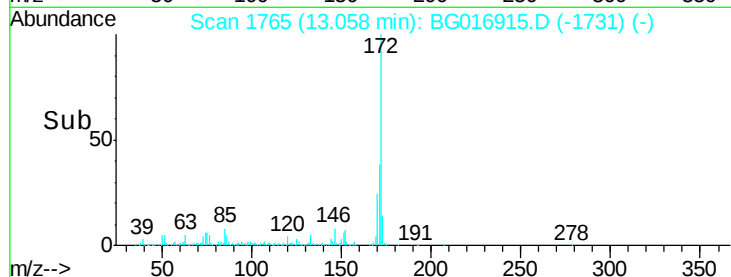
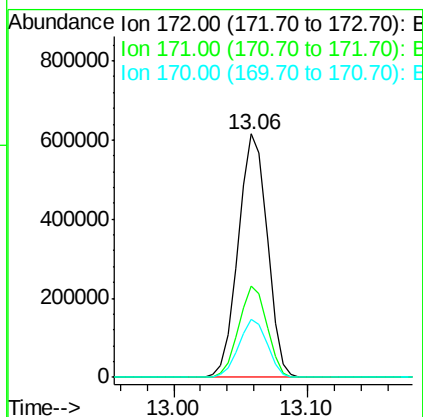
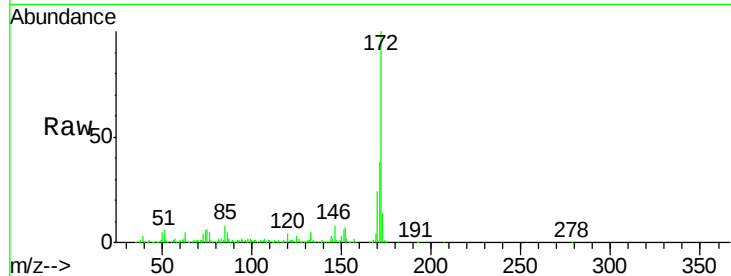




#44
2-Fluorobiphenyl
Concen: 63.96 ng
RT: 13.06 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BG016915.D
Acq: 7 May 2015 10:13

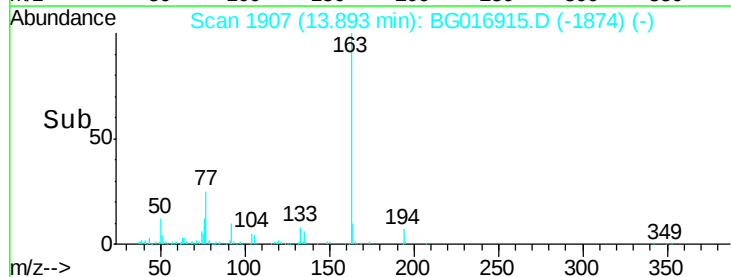
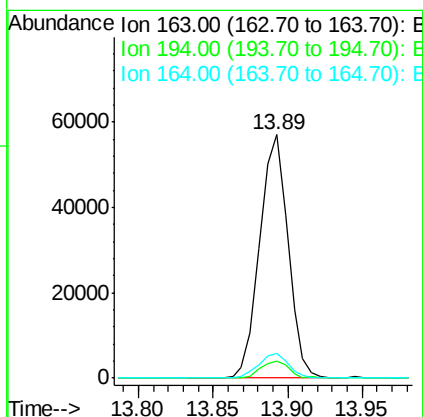
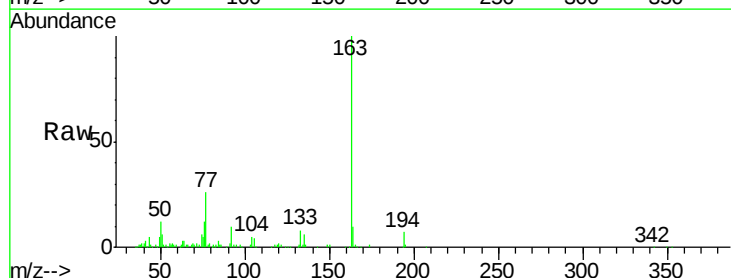
Instrument :
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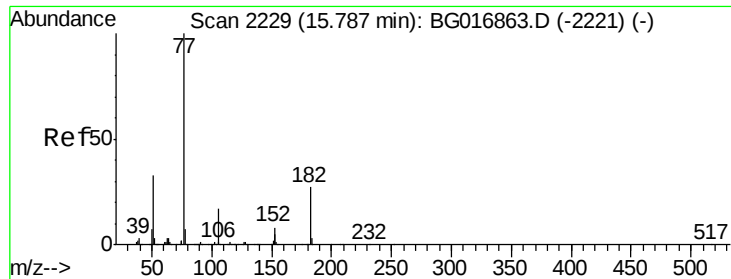
Tgt Ion:172 Resp: 923500
Ion Ratio Lower Upper
172 100
171 37.6 29.0 43.4
170 24.0 19.0 28.4



#49
Dimethylphthalate
Concen: 4.60 ng
RT: 13.89 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BG016915.D
Acq: 7 May 2015 10:13

Tgt Ion:163 Resp: 74771
Ion Ratio Lower Upper
163 100
194 7.1 5.2 7.8
164 9.9 8.4 12.6





#62

Azobenzene

Concen: 5.35 ng

RT: 15.80 min Scan# 2231

Delta R.T. 0.02 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

Tgt Ion: 77 Resp: 95225

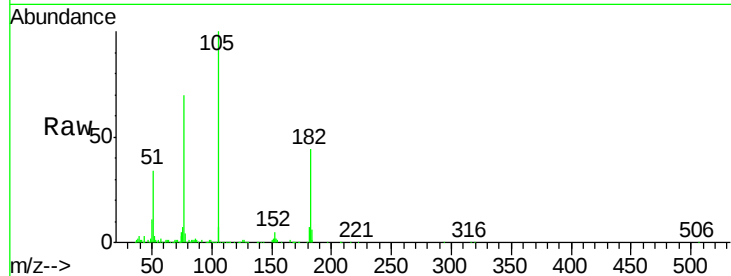
Ion Ratio Lower Upper

77 100

182 62.8 7.4 47.4#

105 143.1 0.0 36.6#

51 48.0 13.4 53.4

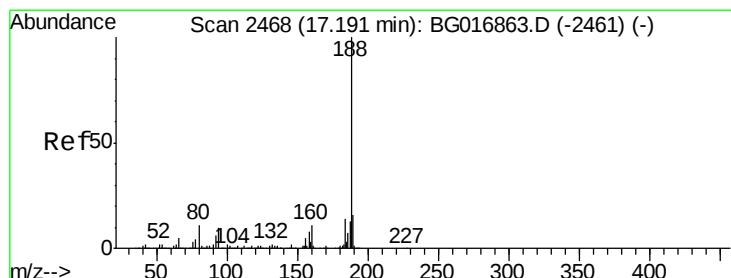
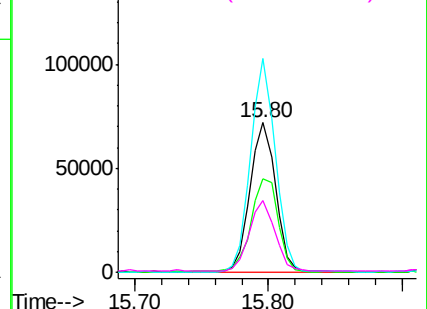
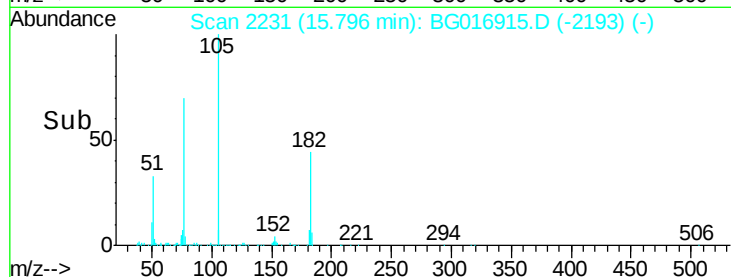


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.18 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

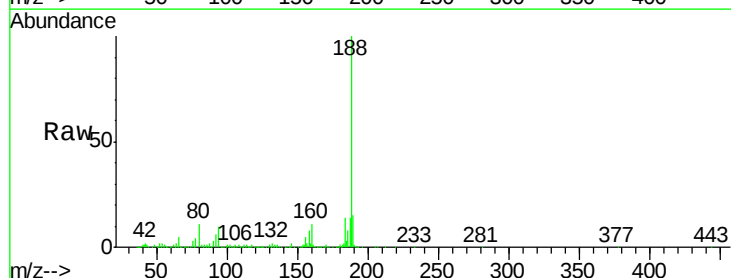
Tgt Ion: 188 Resp: 474824

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.4

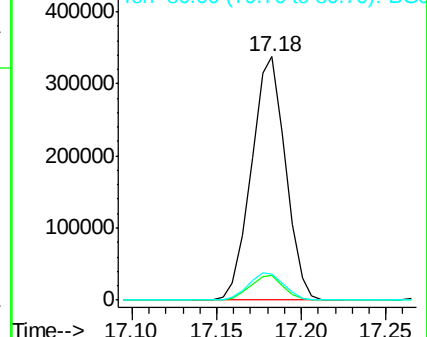
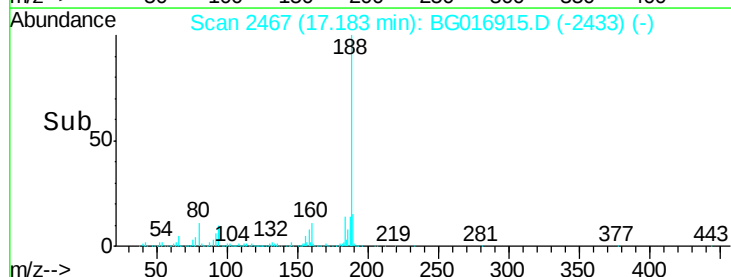
80 10.8 8.8 13.2

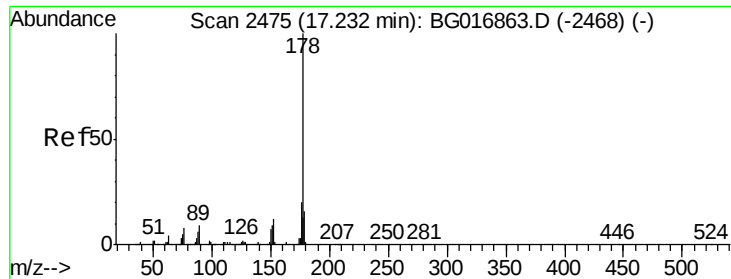


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 3.19 ng

RT: 17.22 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

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GRID-1(12-18)

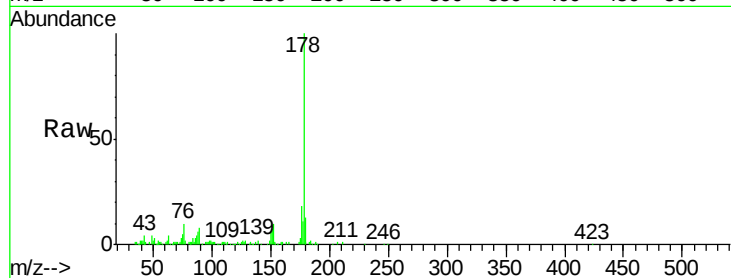
Tgt Ion:178 Resp: 77925

Ion Ratio Lower Upper

178 100

176 18.0 16.0 24.0

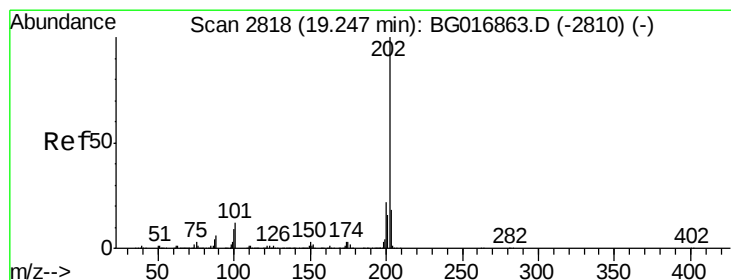
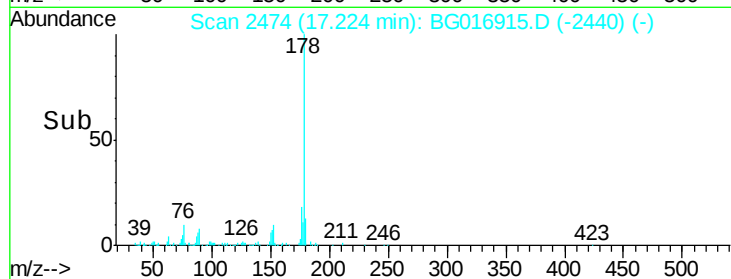
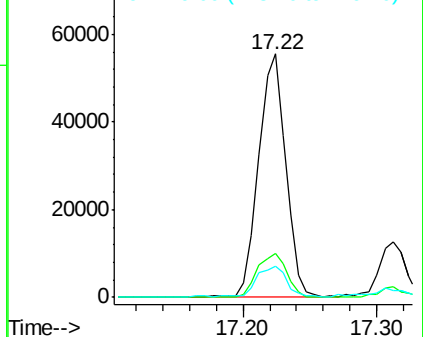
179 12.8 13.0 19.6#



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: 5.82 ng

RT: 19.24 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

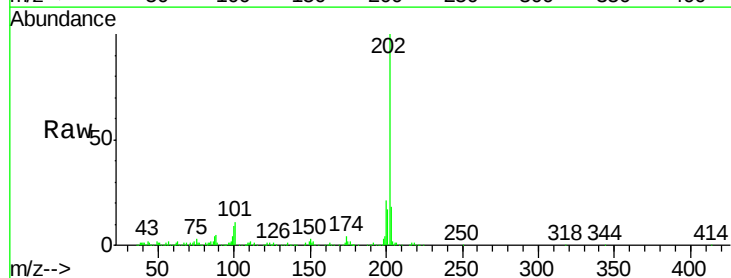
Tgt Ion:202 Resp: 165103

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

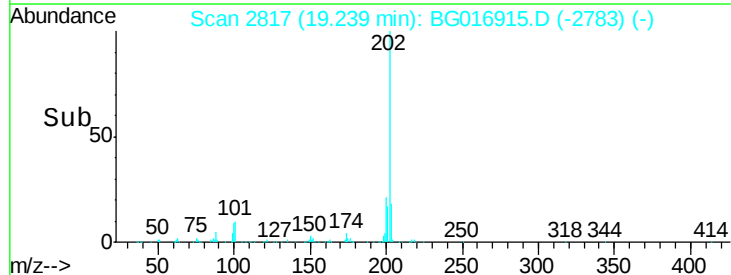
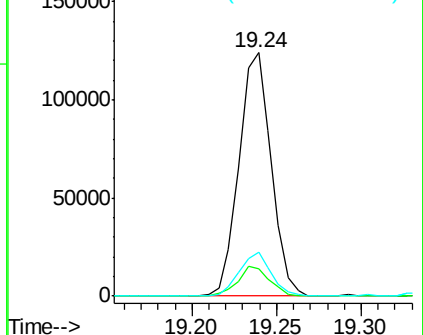
203 18.2 0.0 38.1

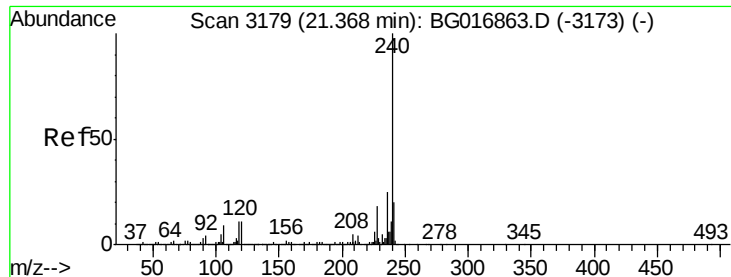


Abundance Ion 202.00 (201.70 to 202.70): E

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: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

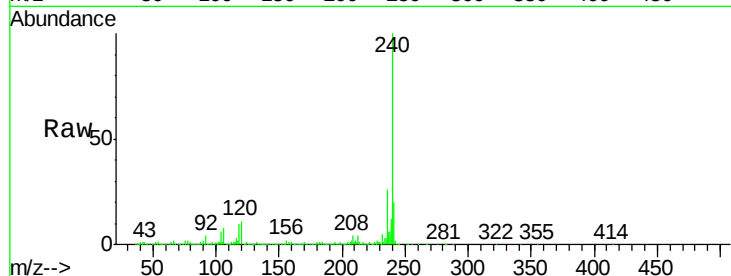
Tgt Ion:240 Resp: 493233

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

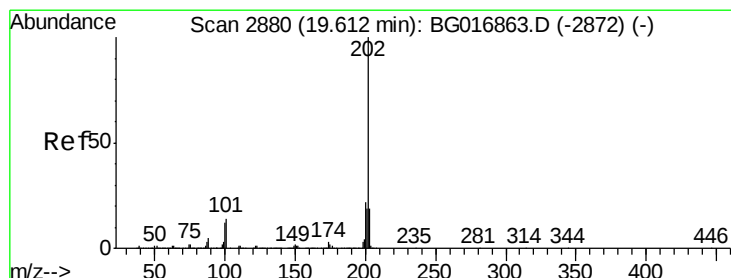
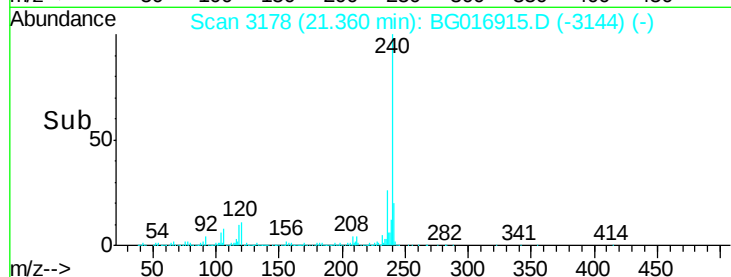
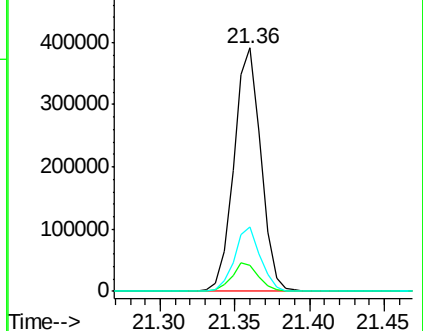
236 26.3 20.2 30.4



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: 5.09 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.00 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

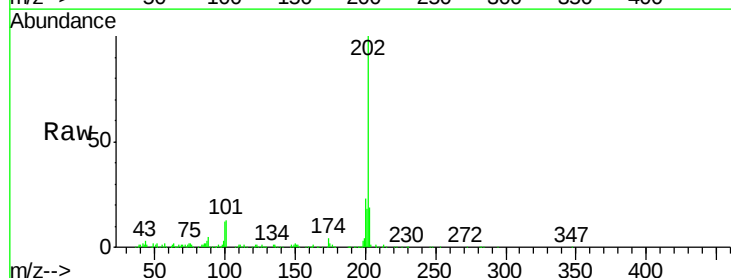
Tgt Ion:202 Resp: 148302

Ion Ratio Lower Upper

202 100

200 23.3 17.9 26.9

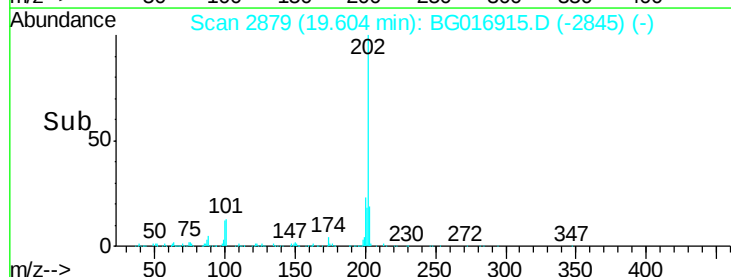
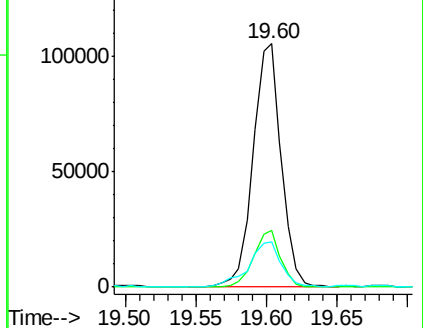
203 18.8 15.2 22.8

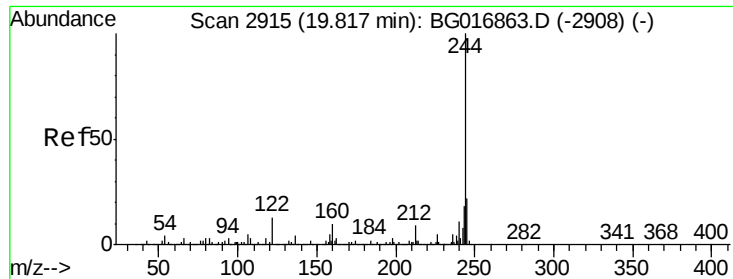


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

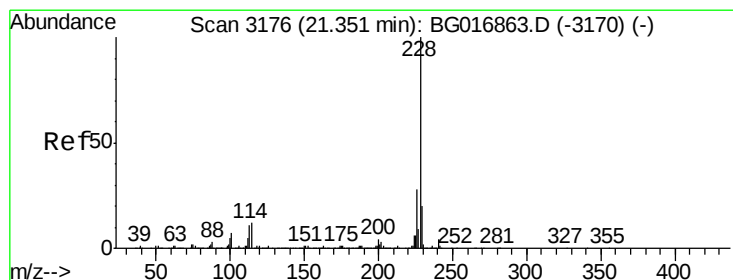
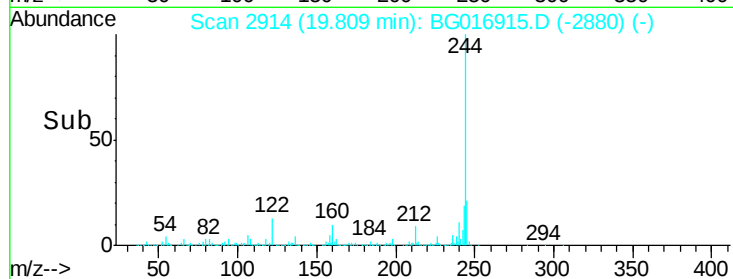
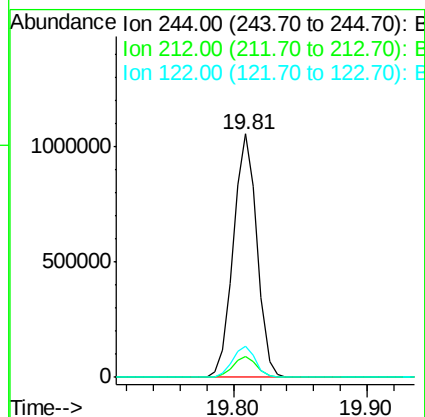
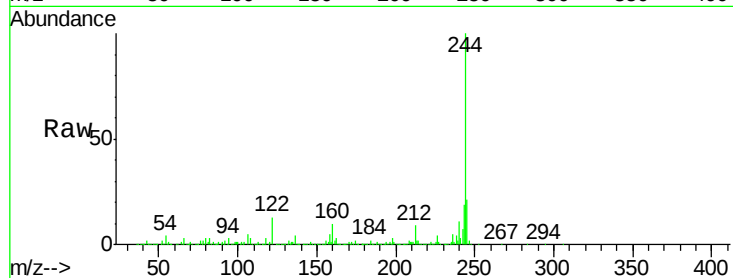




#78
 Terphenyl-d14
 Concen: 62.22 ng
 RT: 19.81 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: BG016915.D
 Acq: 7 May 2015 10:13

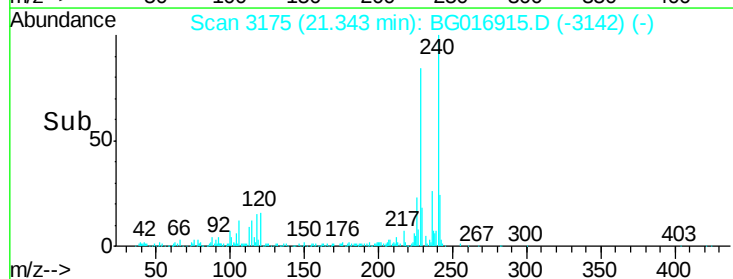
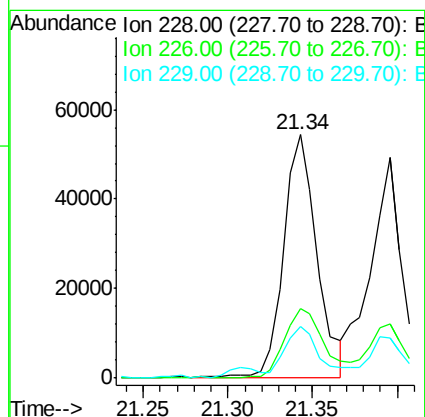
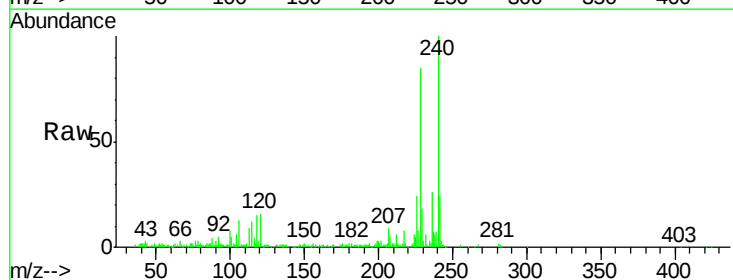
Instrument :
 BNA_G
 ClientSampleId :
 GRID-1(12-18)

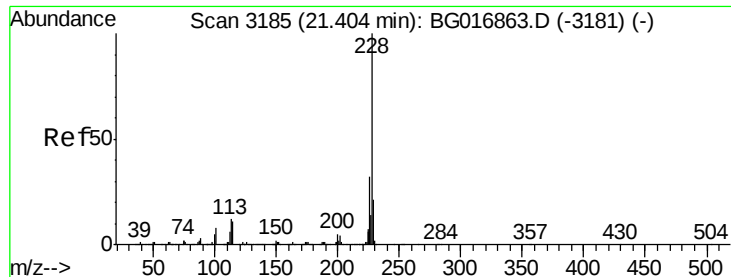
Tgt Ion:244 Resp: 1309026
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.0 10.6
 122 12.7 10.4 15.6



#80
 Benzo(a)anthracene
 Concen: 2.79 ng
 RT: 21.34 min Scan# 3175
 Delta R.T. -0.01 min
 Lab File: BG016915.D
 Acq: 7 May 2015 10:13

Tgt Ion:228 Resp: 73912
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.7 34.1
 229 21.4 16.1 24.1





#82

Chrysene

Concen: 2.98 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.06 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

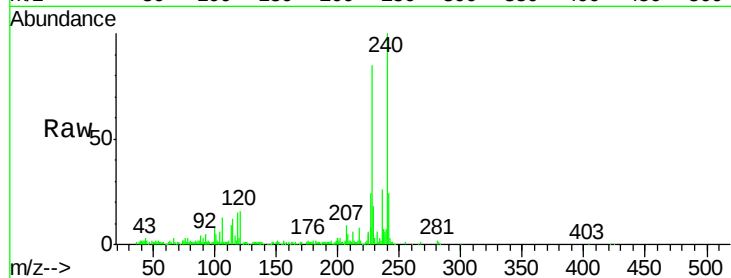
Tgt Ion:228 Resp: 73912

Ion Ratio Lower Upper

228 100

226 28.5 25.4 38.0

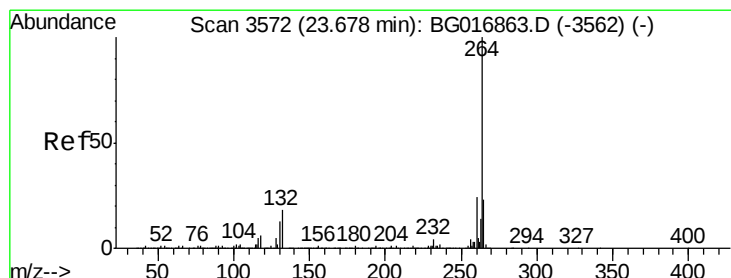
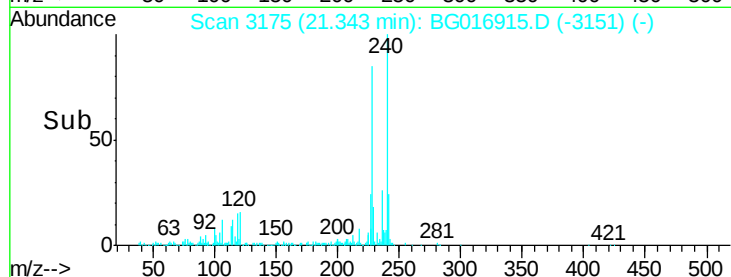
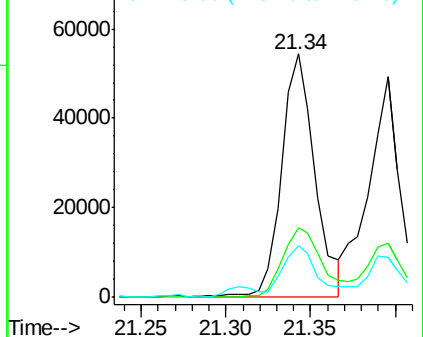
229 21.4 16.5 24.7



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.66 min Scan# 3570

Delta R.T. -0.00 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

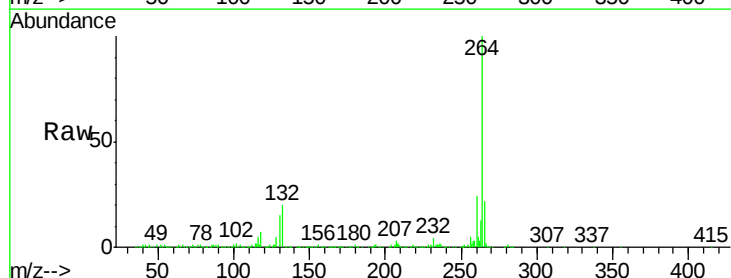
Tgt Ion:264 Resp: 482240

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

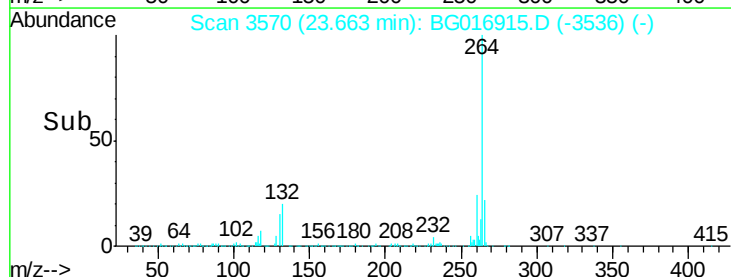
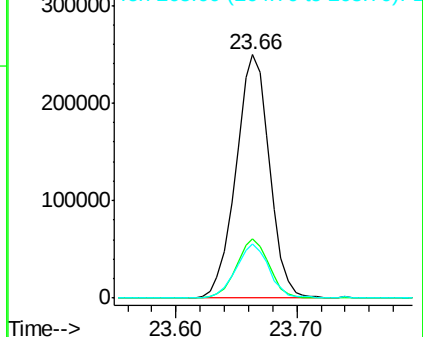
265 22.0 18.5 27.7

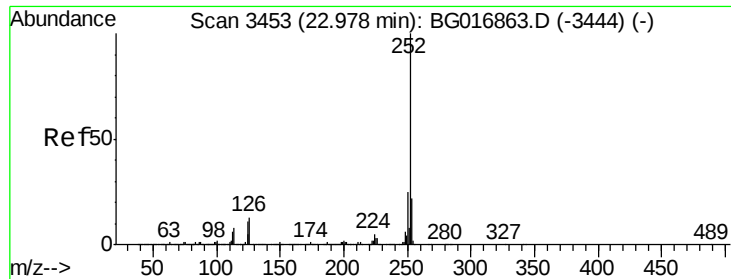


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.96 ng

RT: 22.96 min Scan# 3450

Delta R.T. -0.01 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

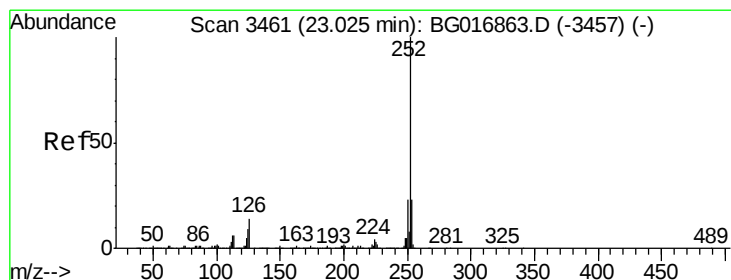
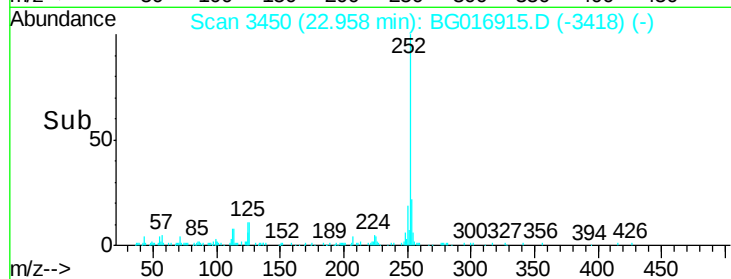
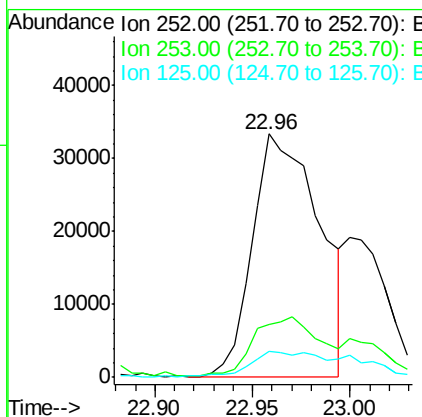
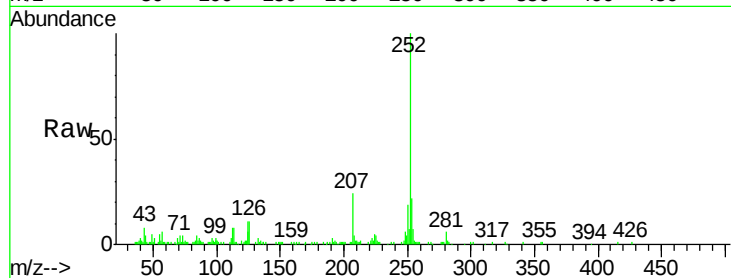
Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

Tgt Ion:	252	Resp:	79447
Ion Ratio		Lower	Upper
252	100		
253	21.8	17.4	26.0
125	10.7	8.6	13.0



#88

Benzo(k)fluoranthene

Concen: 3.07 ng

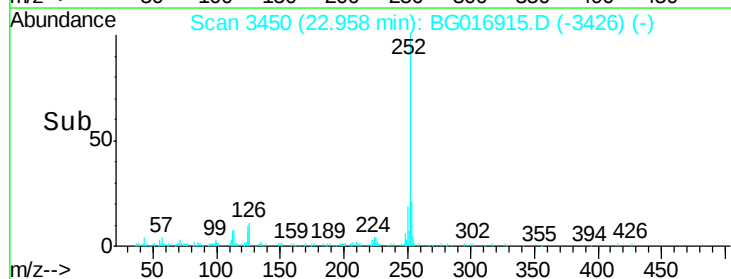
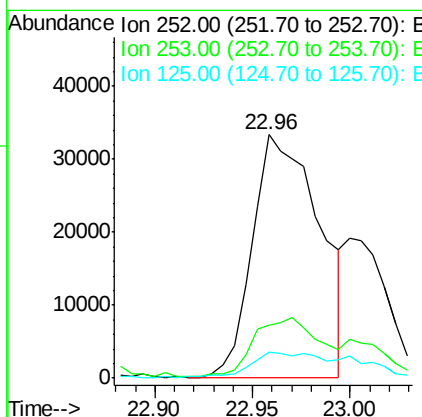
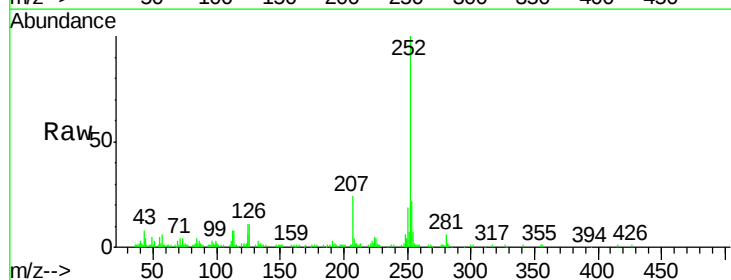
RT: 22.96 min Scan# 3450

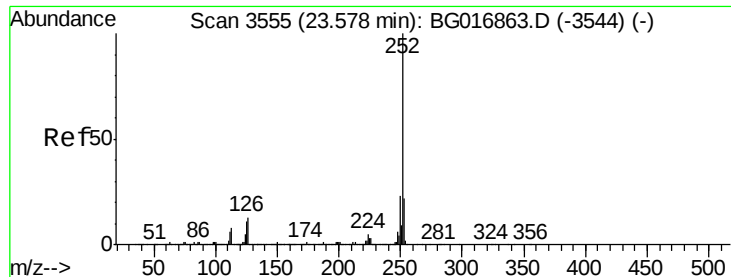
Delta R.T. -0.06 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Tgt Ion:	252	Resp:	79447
Ion Ratio		Lower	Upper
252	100		
253	21.8	18.4	27.6
125	10.7	7.9	11.9





#89

Benzo(a)pyrene

Concen: 2.40 ng

RT: 23.56 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG016915.D

Acq: 7 May 2015 10:13

Instrument :

BNA_G

ClientSampleId :

GRID-1(12-18)

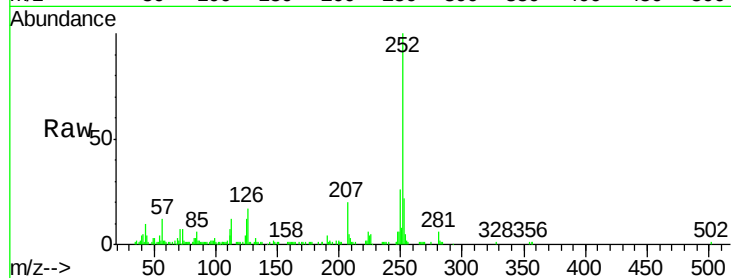
Tgt Ion:252 Resp: 60020

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 12.0 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

