

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041816\
 Data File : BG021721.D
 Acq On : 18 Apr 2016 2:33
 Operator : UM/SJ
 Sample : H2414-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-BWR-BB-R04-CS-1(0-16FT)

Quant Time: Apr 18 07:13:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

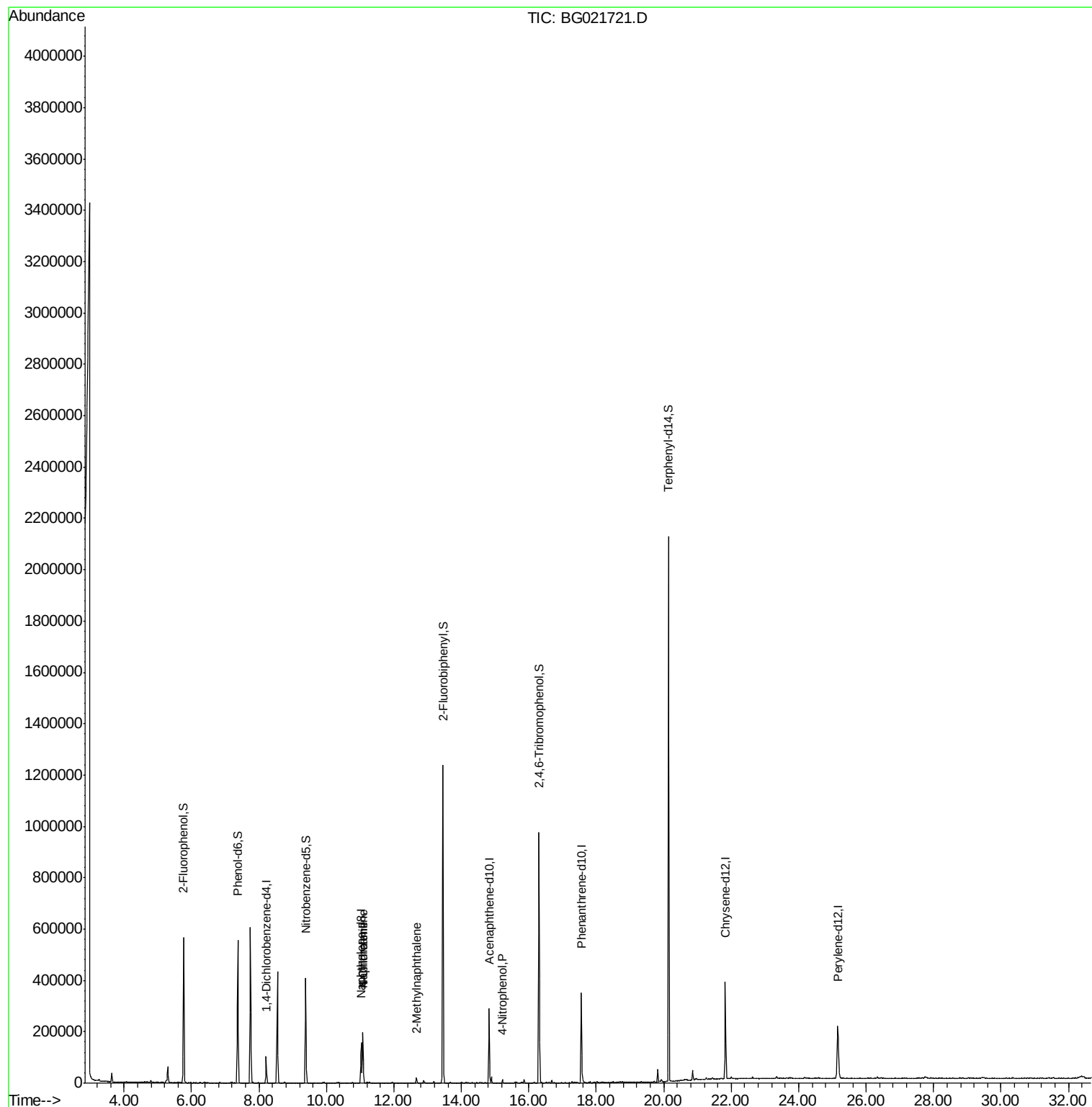
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	28388	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	136199	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	99843	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	216036	20.00	ng	0.00
75) Chrysene-d12	21.83	240	228241	20.00	ng	0.00
86) Perylene-d12	25.16	264	223101	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	249250	146.21	ng	0.00
7) Phenol-d6	7.37	99	338521	132.94	ng	0.00
23) Nitrobenzene-d5	9.38	82	253259	95.58	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	178999	166.35	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	655401	96.18	ng	0.00
78) Terphenyl-d14	20.15	244	945448	103.36	ng	0.00
Target Compounds						
31) Naphthalene	11.08	128	169399	23.24	ng	# 96
33) 4-Chloroaniline	11.08	127	23090	7.32	ng	# 37
37) 2-Methylnaphthalene	12.67	142	10224	2.04	ng	92
55) 4-Nitrophenol	15.22	139	3498	2.24	ng	# 5

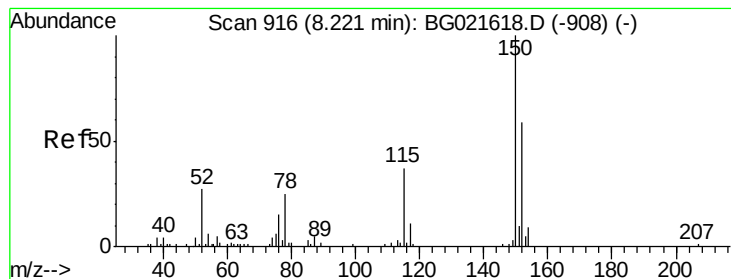
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

Instrument :

BNA_G

ClientSampleId :

FB-BWR-BB-R04-CS-1(0-16FT)

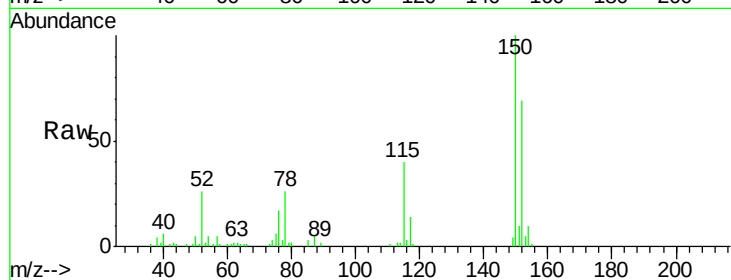
Tgt Ion:152 Resp: 28388

Ion Ratio Lower Upper

152 100

150 144.8 130.1 195.1

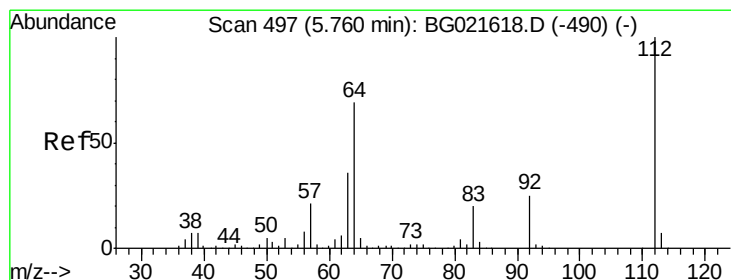
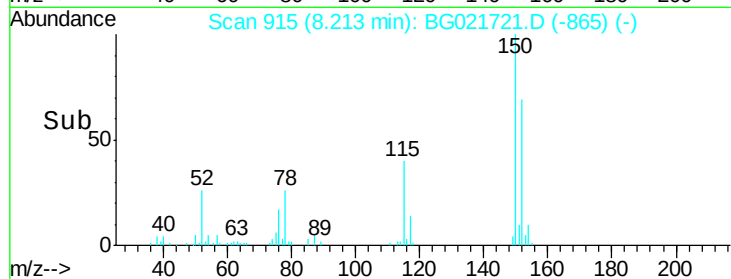
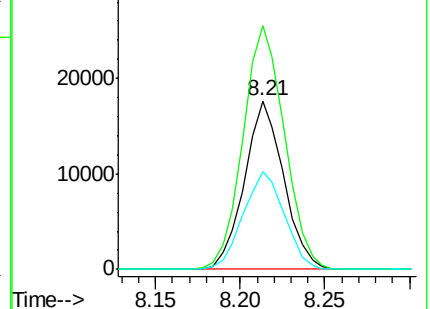
115 58.5 62.2 93.2#



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: 146.21 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.00 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

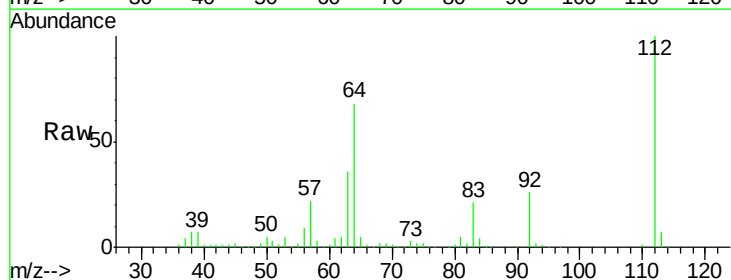
Tgt Ion:112 Resp: 249250

Ion Ratio Lower Upper

112 100

64 68.0 51.1 76.7

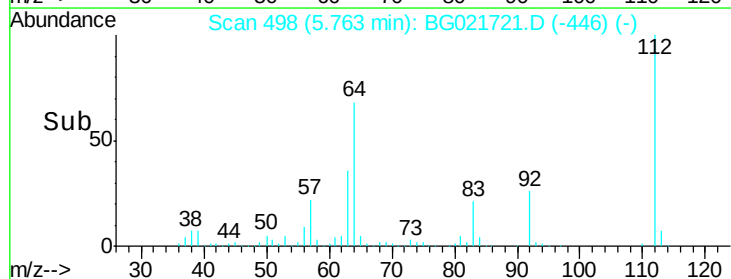
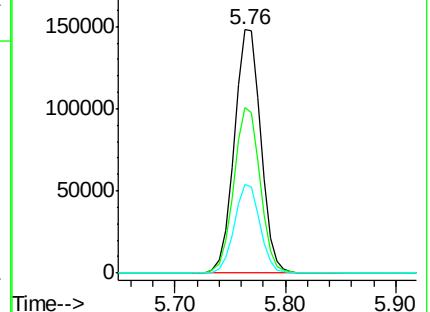
63 36.5 24.6 37.0

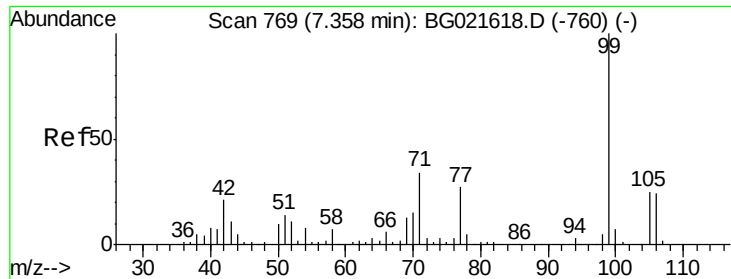


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 132.94 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

Instrument :

BNA_G

ClientSampleId :

FB-BWR-BB-R04-CS-1(0-16FT)

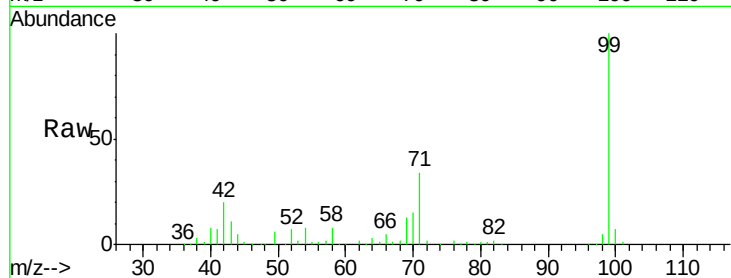
Tgt Ion: 99 Resp: 338521

Ion Ratio Lower Upper

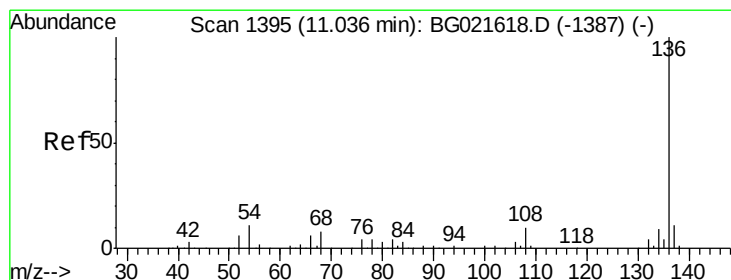
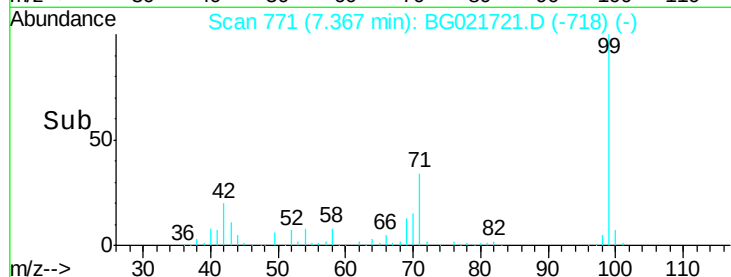
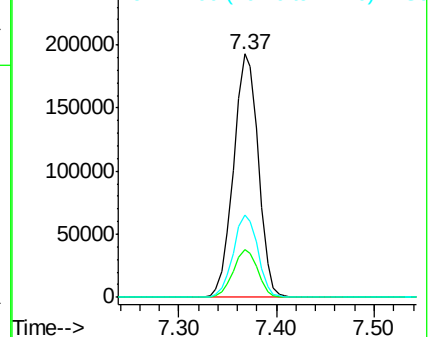
99 100

42 19.7 16.4 24.6

71 33.9 25.0 37.4



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: 11.03 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

Tgt Ion: 136 Resp: 136199

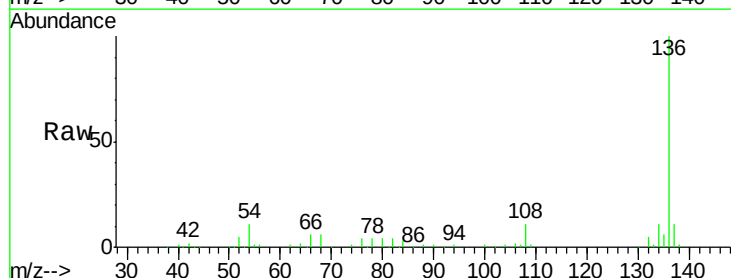
Ion Ratio Lower Upper

136 100

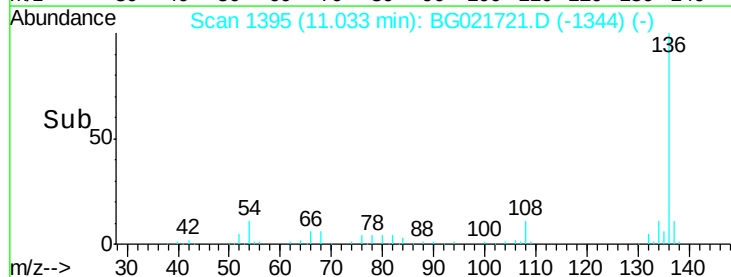
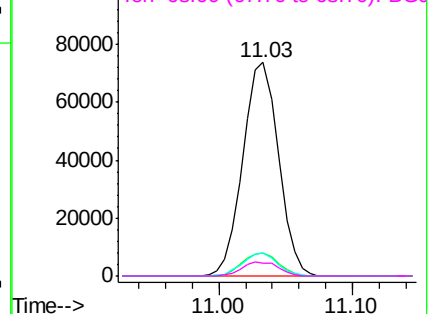
137 11.0 9.0 13.4

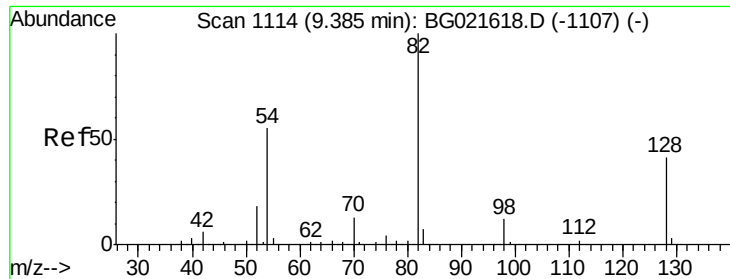
54 10.6 9.6 14.4

68 6.0 6.4 9.6#



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

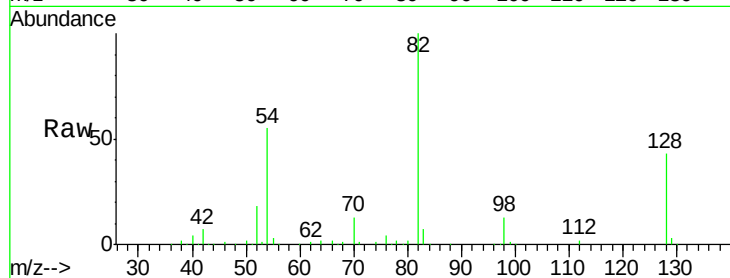




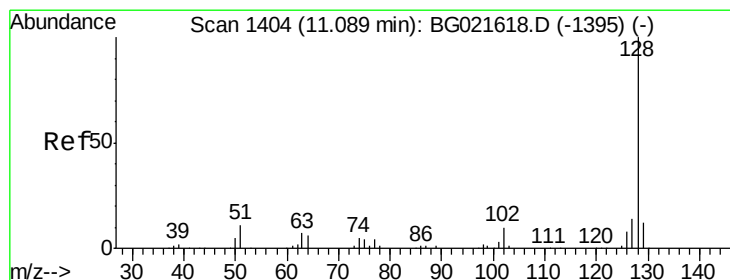
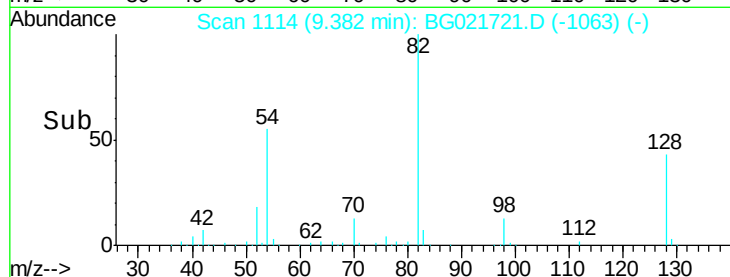
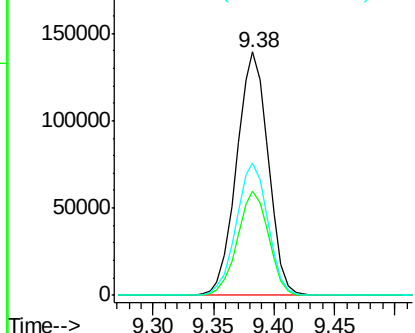
#23
Nitrobenzene-d5
Concen: 95.58 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021721.D
Acq: 18 Apr 2016 2:33

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.4	50.0
54	54.5	46.1	69.1

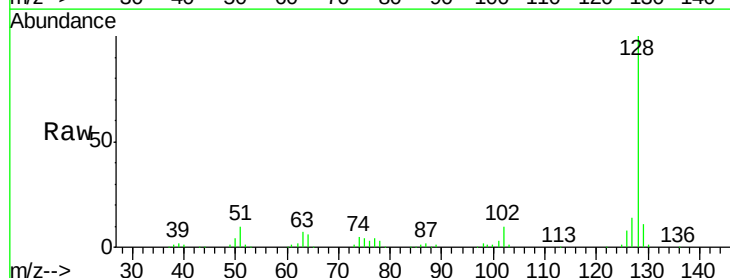


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

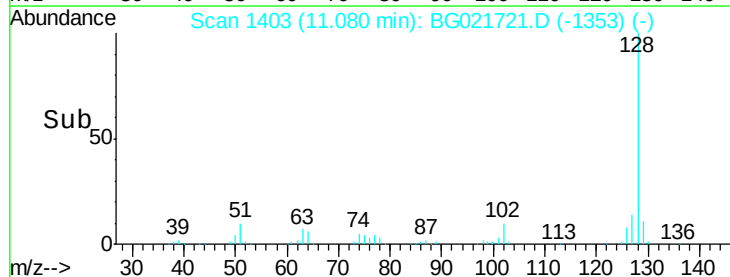
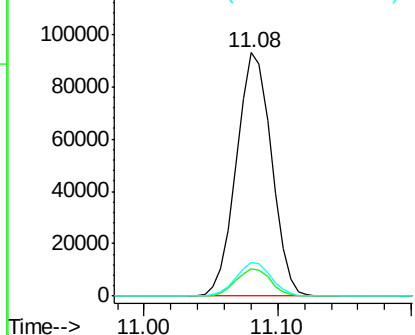


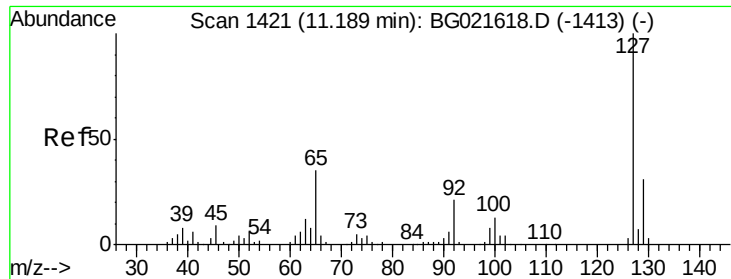
#31
Naphthalene
Concen: 23.24 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BG021721.D
Acq: 18 Apr 2016 2:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	7.0	10.6#
127	13.8	10.1	15.1



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

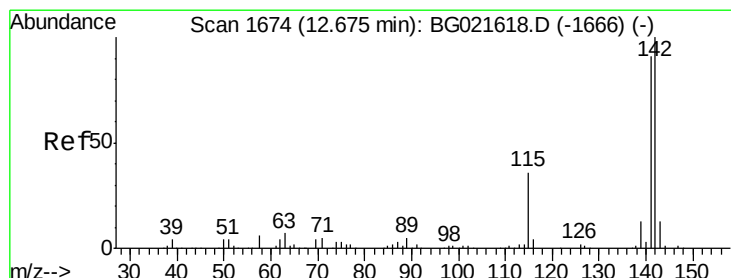
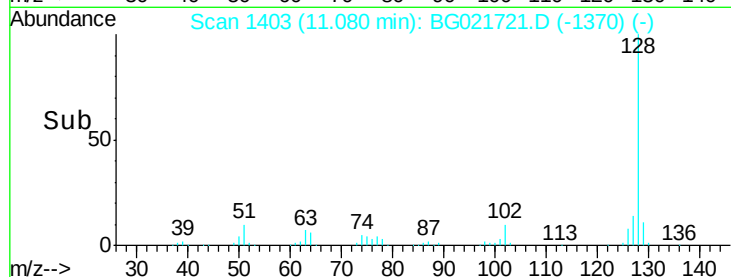
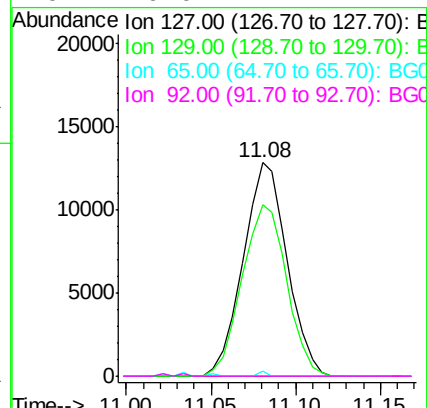
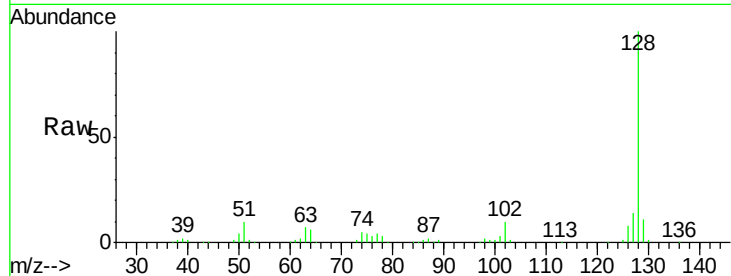




#33
4-Chloroaniline
Concen: 7.32 ng
RT: 11.08 min Scan# 1403
Delta R.T. -0.11 min
Lab File: BG021721.D
Acq: 18 Apr 2016 2:33

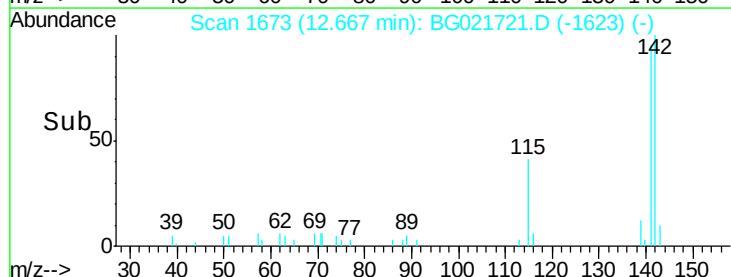
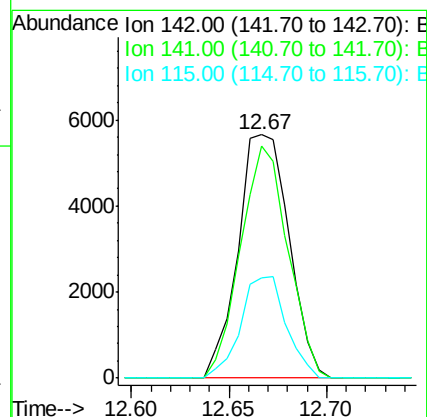
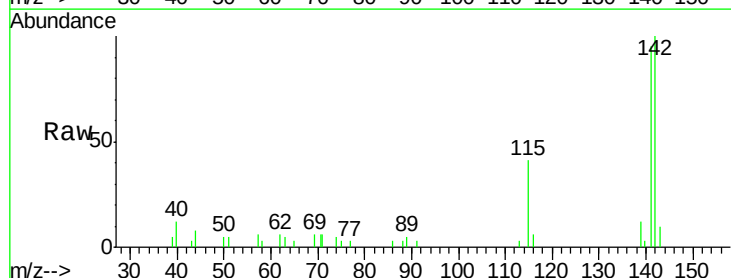
Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

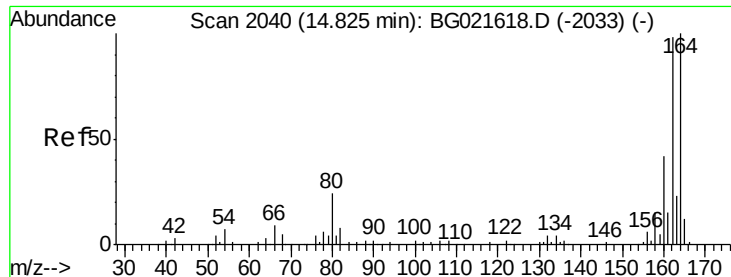
Tgt Ion:127 Resp: 23090
Ion Ratio Lower Upper
127 100
129 80.4 26.6 39.8#
65 2.3 27.5 41.3#
92 0.0 14.7 22.1#



#37
2-Methylnaphthalene
Concen: 2.04 ng
RT: 12.67 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BG021721.D
Acq: 18 Apr 2016 2:33

Tgt Ion:142 Resp: 10224
Ion Ratio Lower Upper
142 100
141 95.2 71.4 107.0
115 41.1 27.4 41.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

Instrument :

BNA_G

ClientSampleId :

FB-BWR-BB-R04-CS-1(0-16FT)

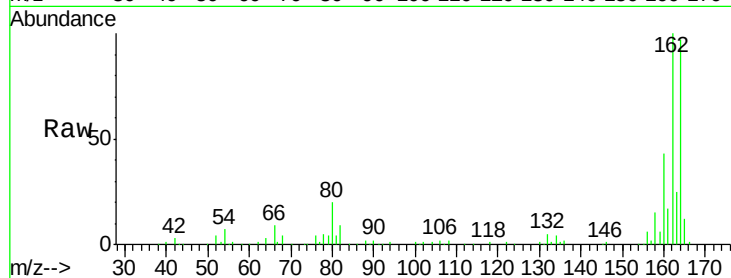
Tgt Ion:164 Resp: 99843

Ion Ratio Lower Upper

164 100

162 103.4 78.0 117.0

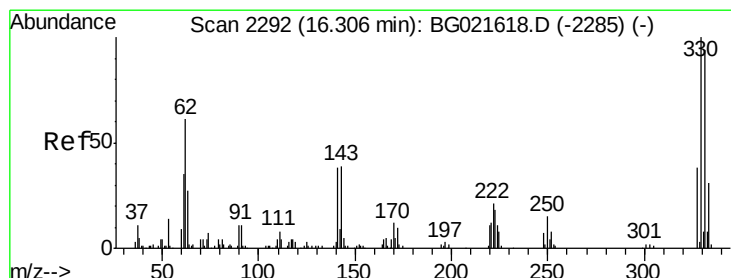
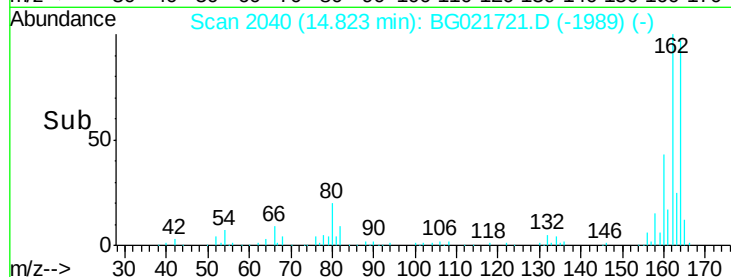
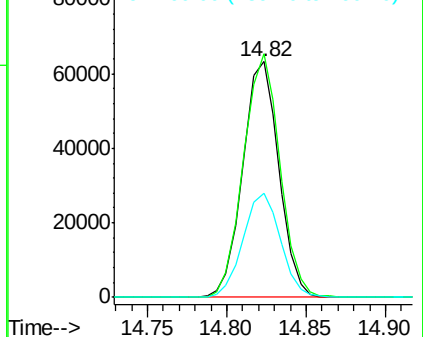
160 44.2 32.9 49.3



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: 166.35 ng

RT: 16.30 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

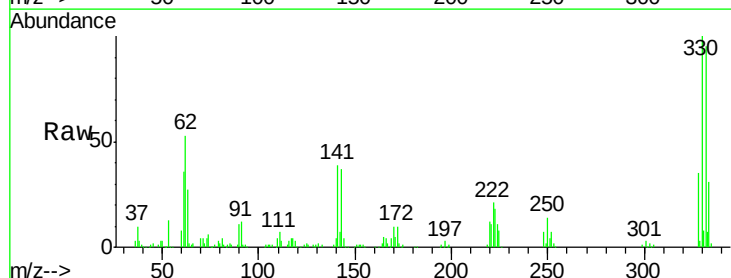
Tgt Ion:330 Resp: 178999

Ion Ratio Lower Upper

330 100

332 94.8 78.0 117.0

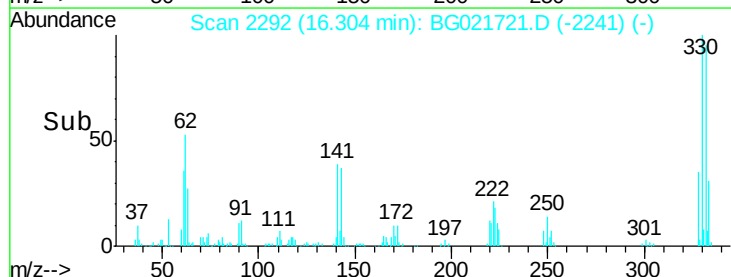
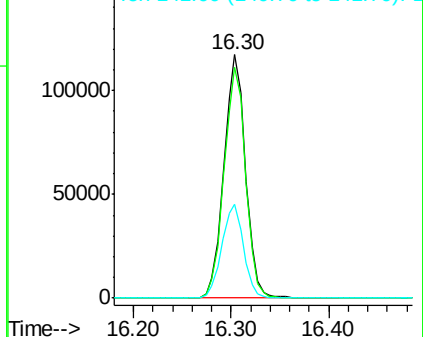
141 38.8 33.8 50.8

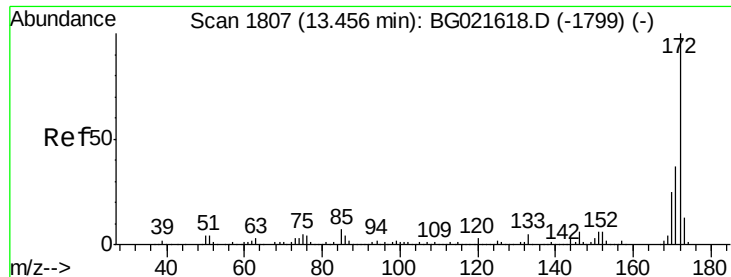


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

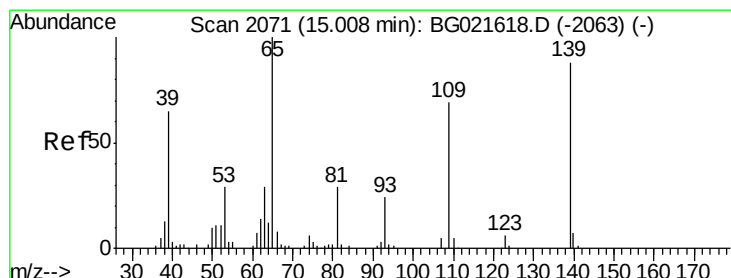
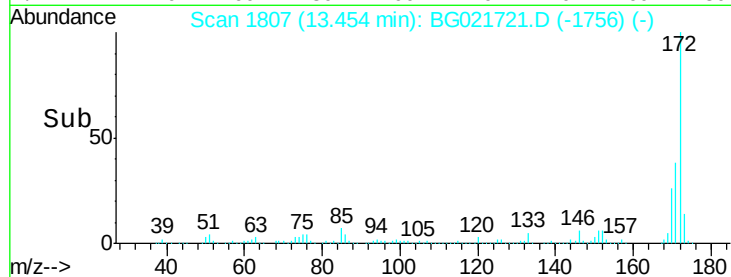
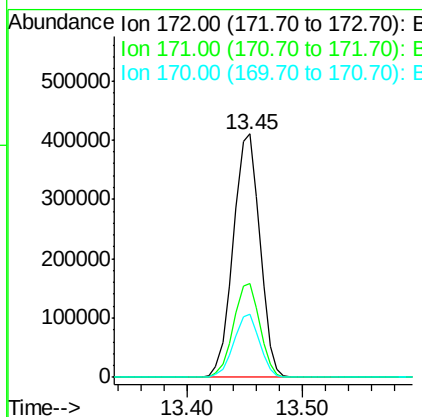
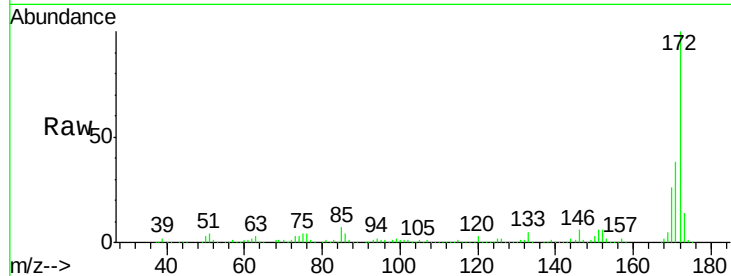




#44
 2-Fluorobiphenyl
 Concen: 96.18 ng
 RT: 13.45 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021721.D
 Acq: 18 Apr 2016 2:33

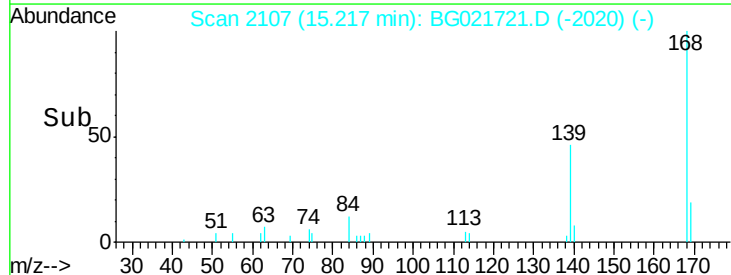
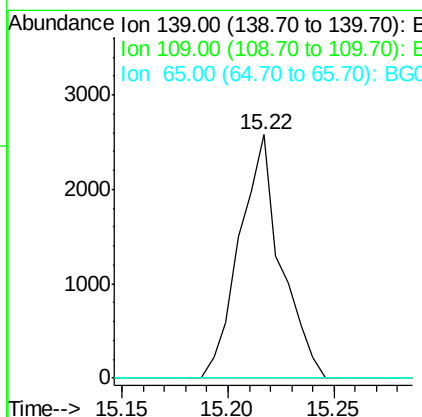
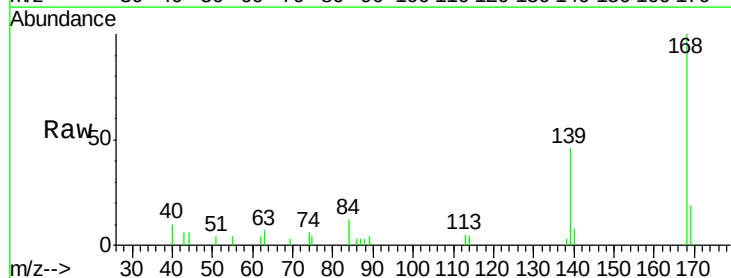
Instrument :
 BNA_G
 ClientSampleId :
 FB-BWR-BB-R04-CS-1(0-16FT)

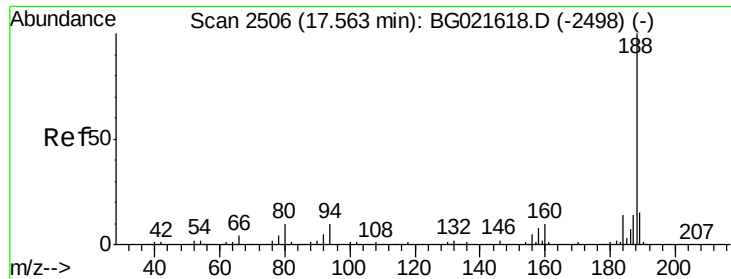
Tgt Ion:172 Resp: 655401
 Ion Ratio Lower Upper
 172 100
 171 38.4 27.8 41.6
 170 25.8 19.6 29.4



#55
 4-Nitrophenol
 Concen: 2.24 ng
 RT: 15.22 min Scan# 2107
 Delta R.T. 0.21 min
 Lab File: BG021721.D
 Acq: 18 Apr 2016 2:33

Tgt Ion:139 Resp: 3498
 Ion Ratio Lower Upper
 139 100
 109 0.0 49.2 89.2#
 65 0.0 83.2 123.2#

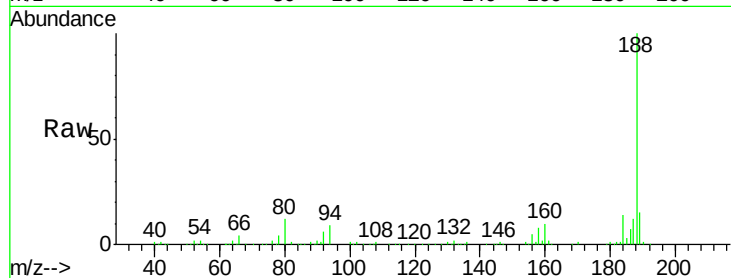




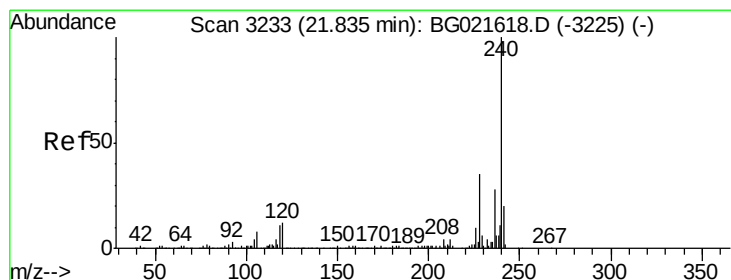
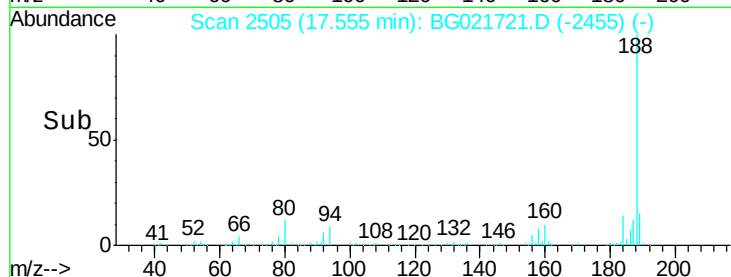
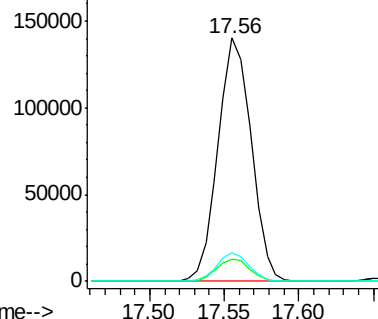
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021721.D
Acq: 18 Apr 2016 2:33

Instrument :
BNA_G
ClientSampleId :
FB-BWR-BB-R04-CS-1(0-16FT)

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.5	11.3
80	12.0	8.6	13.0

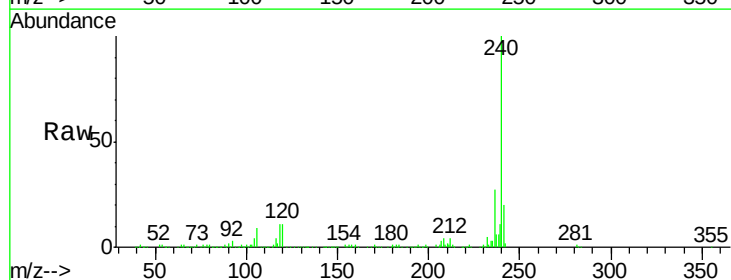


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): B
Ion 80.00 (79.70 to 80.70): B

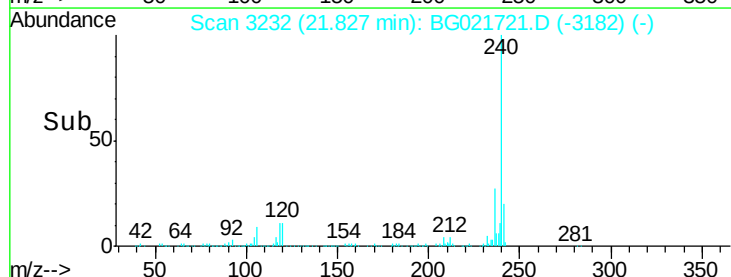
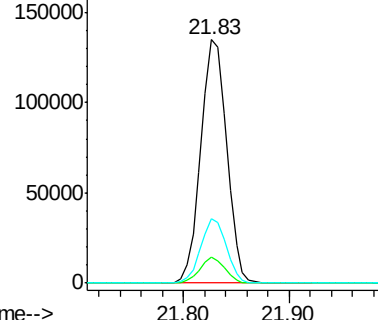


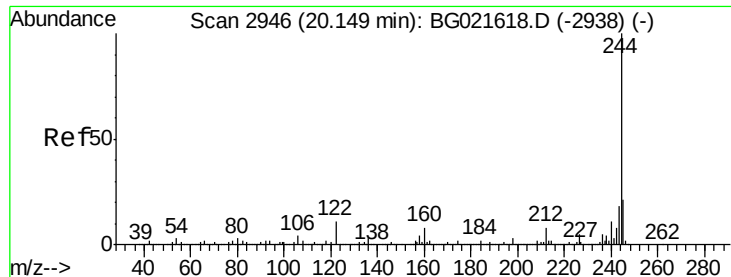
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021721.D
Acq: 18 Apr 2016 2:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.4	12.6
236	26.5	19.6	29.4



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





#78

Terphenyl-d14

Concen: 103.36 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

Instrument :

BNA_G

ClientSampleId :

FB-BWR-BB-R04-CS-1(0-16FT)

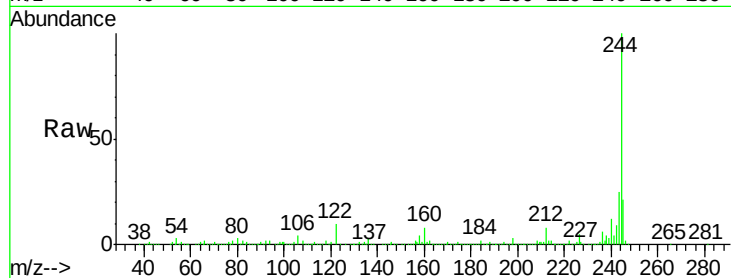
Tgt Ion:244 Resp: 945448

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

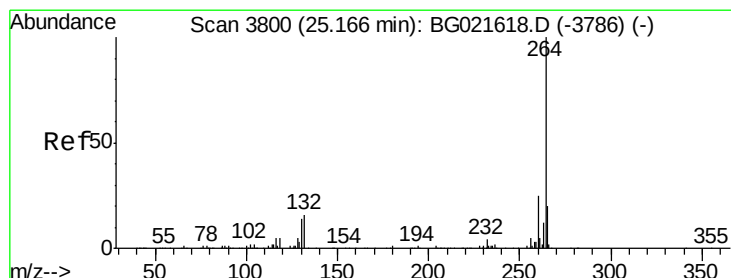
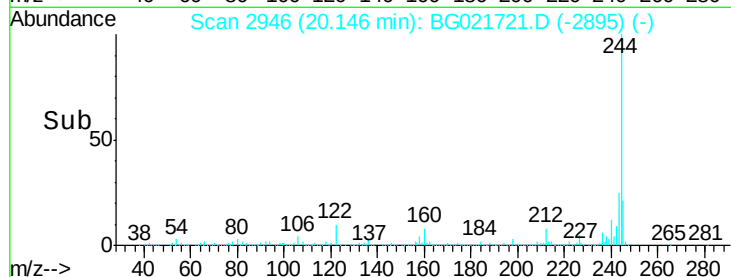
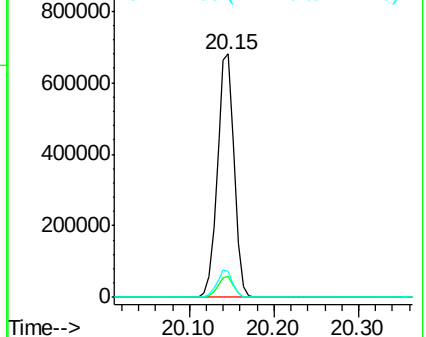
122 10.5 8.6 12.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. -0.01 min

Lab File: BG021721.D

Acq: 18 Apr 2016 2:33

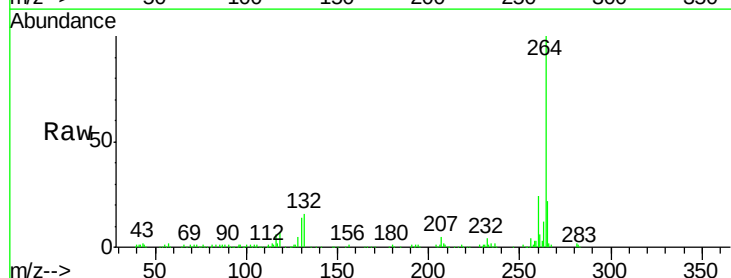
Tgt Ion:264 Resp: 223101

Ion Ratio Lower Upper

264 100

260 24.4 20.2 30.4

265 21.6 17.8 26.8



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

