

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050515\
 Data File : BG016890.D
 Acq On : 6 May 2015 9:00
 Operator : TP/IZ
 Sample : G2035-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 06 13:45:51 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 16:13:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	78089	20.00	ng	-0.01
21) Naphthalene-d8	10.59	136	348825	20.00	ng	0.00
38) Acenaphthene-d10	14.44	164	224110	20.00	ng	0.00
63) Phenanthrene-d10	17.19	188	479031	20.00	ng	0.00
75) Chrysene-d12	21.37	240	482129	20.00	ng	0.00
86) Perylene-d12	23.69	264	465723	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	700559	156.21	ng	0.00
7) Phenol-d6	6.96	99	944907	147.48	ng	0.00
23) Nitrobenzene-d5	8.96	82	639692	89.59	ng	0.00
41) 2,4,6-Tribromophenol	15.93	330	302418	134.42	ng	0.00
44) 2-Fluorobiphenyl	13.06	172	1210042	81.48	ng	0.00
78) Terphenyl-d14	19.82	244	1714592	83.37	ng	0.00

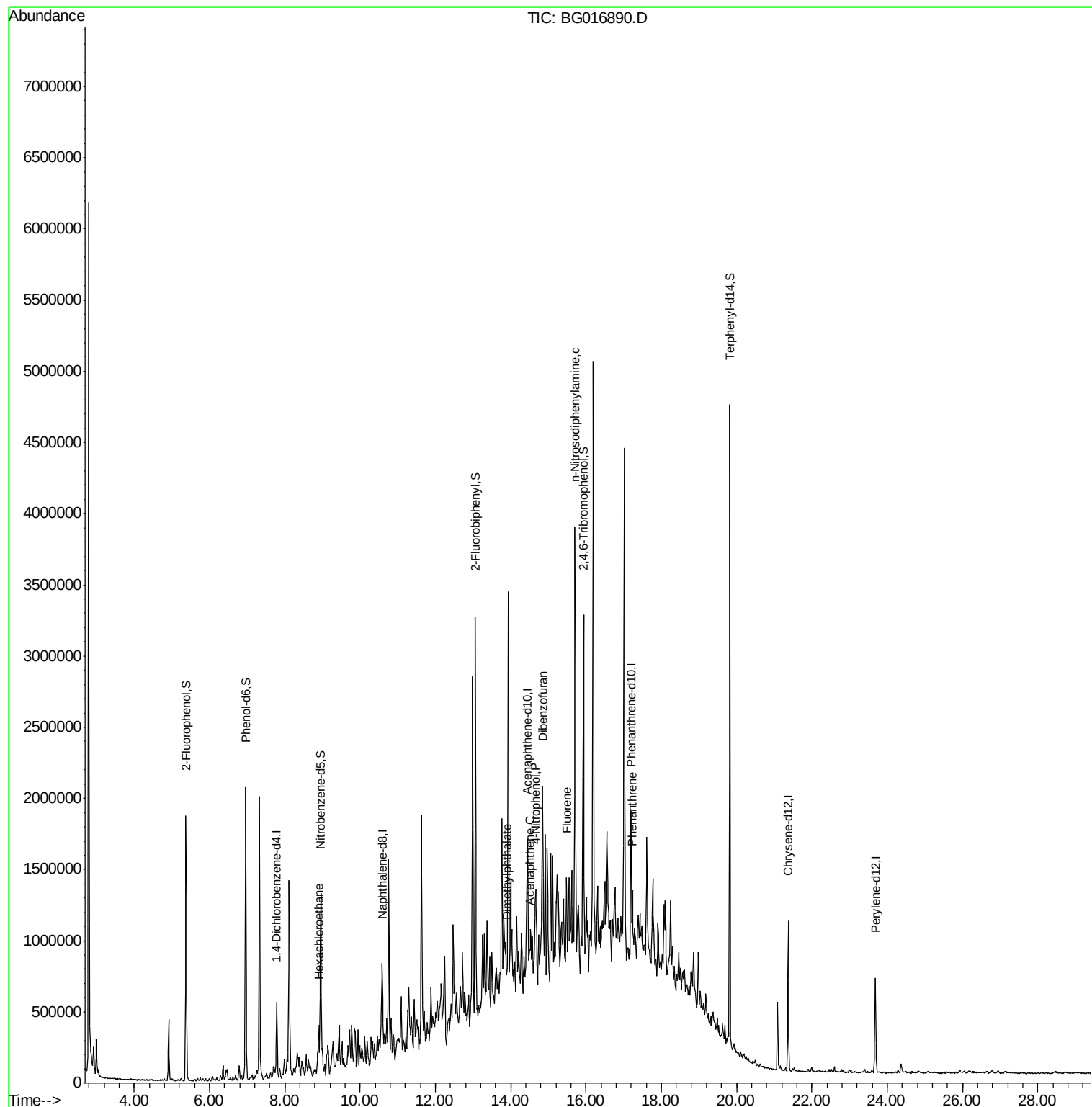
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.90	117	15963	6.69	ng	# 1
32) Benzoic acid	9.90	122	252	Below Cal		# 1
49) Dimethylphthalate	13.90	163	70474	4.21	ng	# 95
51) Acenaphthene	14.50	154	36656	2.78	ng	# 92
54) Dibenzofuran	14.84	168	56022	3.00	ng	# 1
55) 4-Nitrophenol	14.66	139	34700	10.35	ng	# 51
57) Fluorene	15.49	166	93859	5.67	ng	# 86
65) n-Nitrosodiphenylamine	15.71	169	142308	9.73	ng	# 52
70) Phenanthrene	17.23	178	183019	7.42	ng	# 93

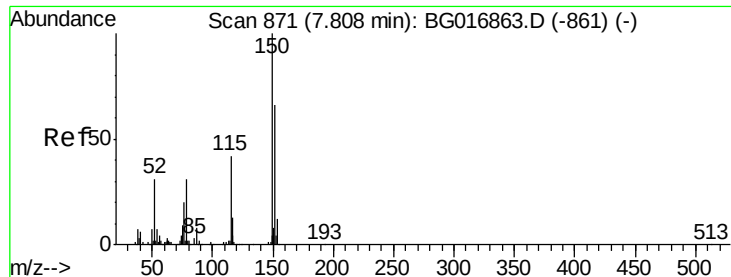
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Instrument :

BNA_G

ClientSampled :

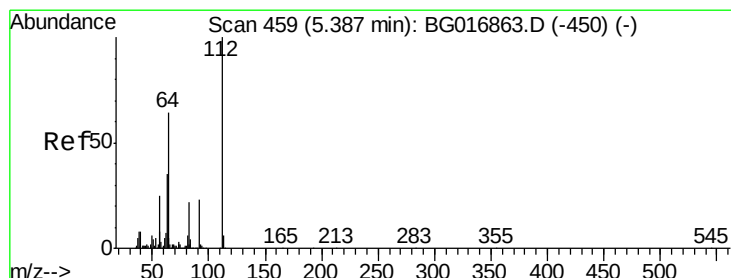
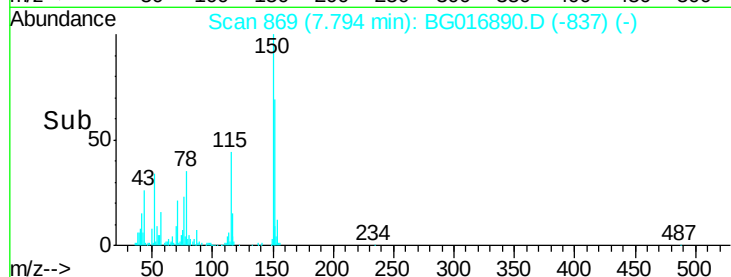
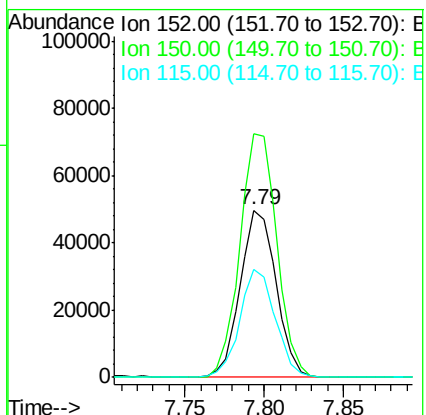
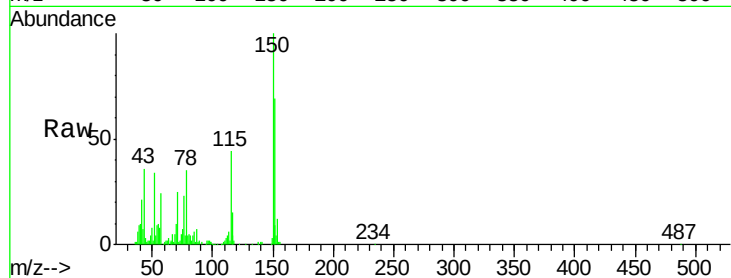
Tot Ion:152 Resp: 78089

Ion Ratio Lower Upper

152 100

150 145.4 121.0 181.4

115 64.3 50.5 75.7



#5

2-Fluorophenol

Concen: 156.21 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

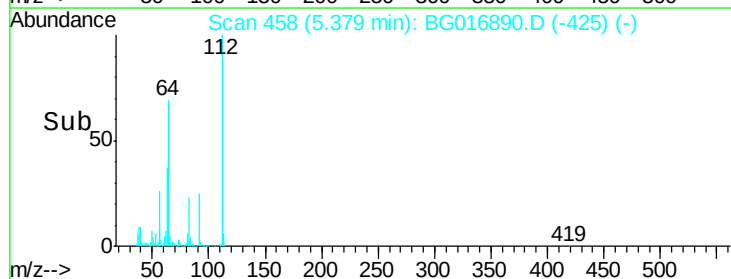
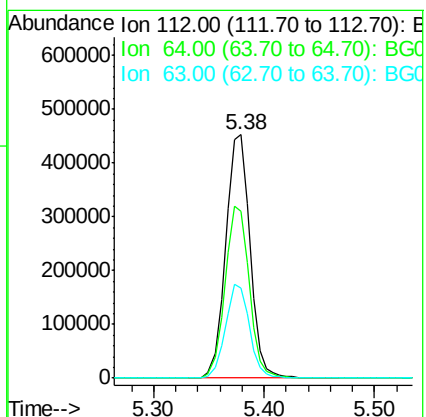
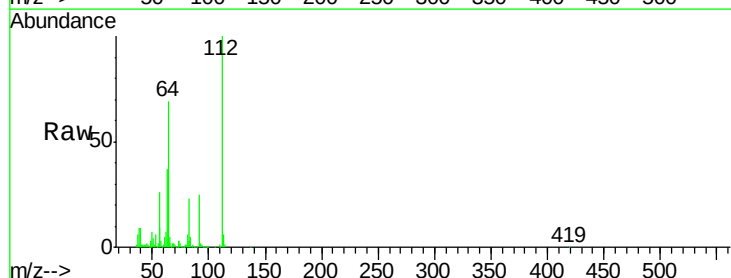
Tgt Ion:112 Resp: 700559

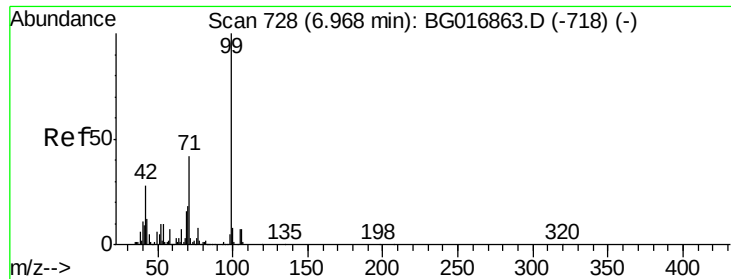
Ion Ratio Lower Upper

112 100

64 68.5 51.4 77.2

63 37.0 28.1 42.1





#7

Phenol-d6

Concen: 147.48 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Instrument :

BNA_G

ClientSampleId :

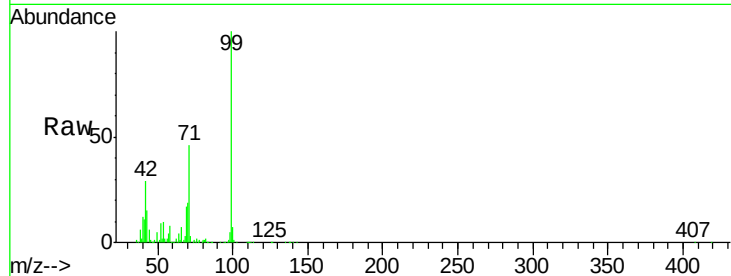
Tot Ion: 99 Resp: 944907

Ion Ratio Lower Upper

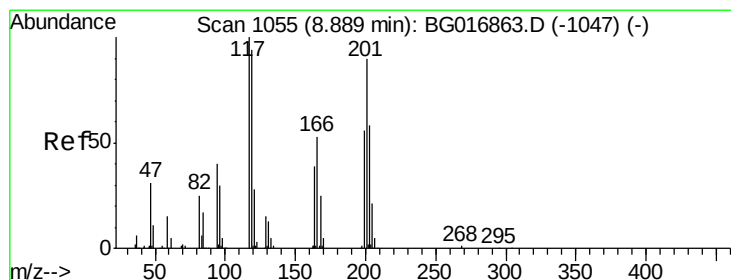
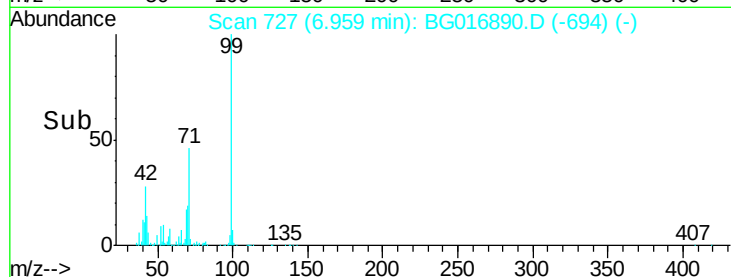
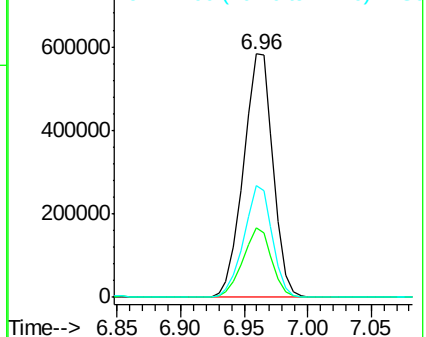
99 100

42 28.5 22.1 33.1

71 45.9 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



#18

Hexachloroethane

Concen: 6.69 ng

RT: 8.90 min Scan# 1058

Delta R.T. 0.02 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

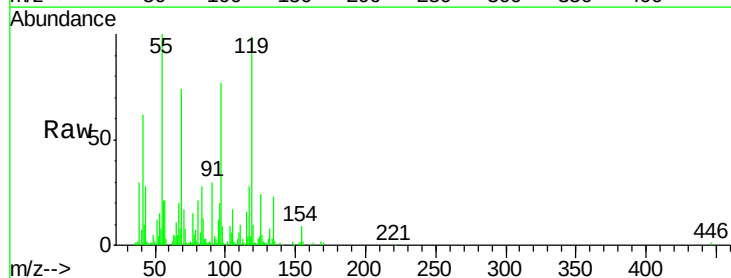
Tgt Ion: 117 Resp: 15963

Ion Ratio Lower Upper

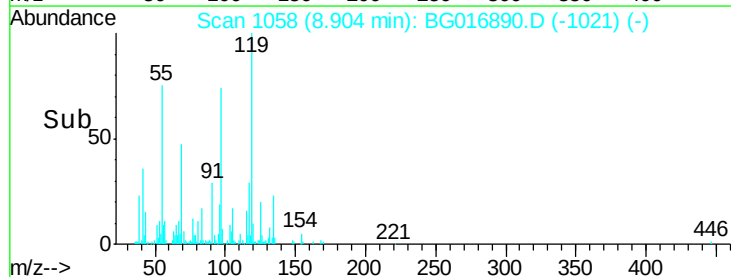
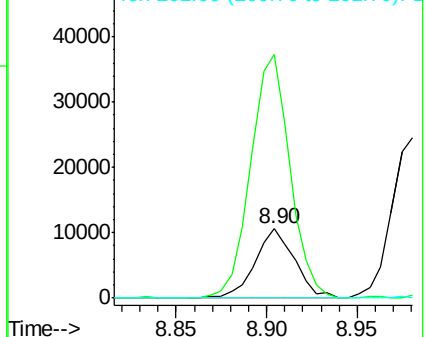
117 100

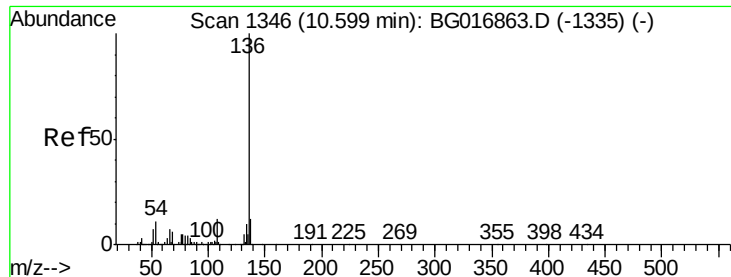
119 350.3 74.8 112.2#

201 0.0 72.1 108.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

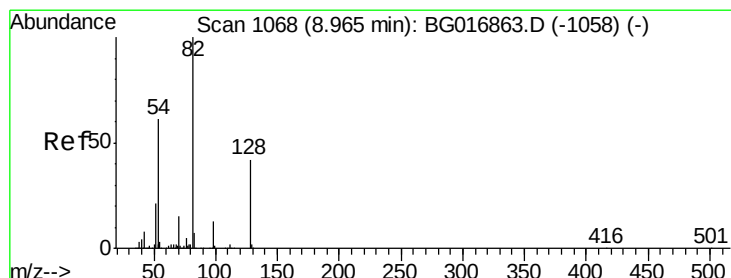
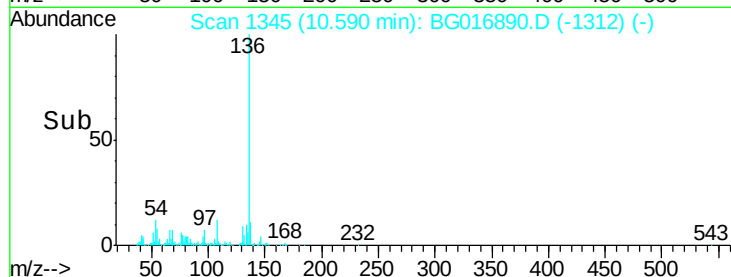
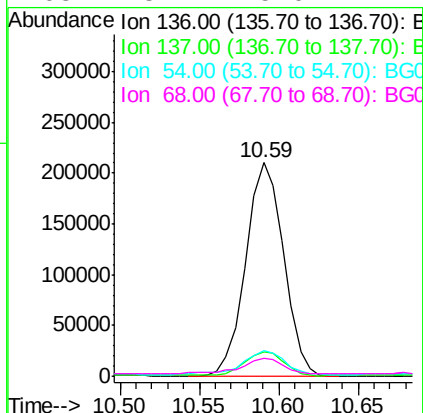
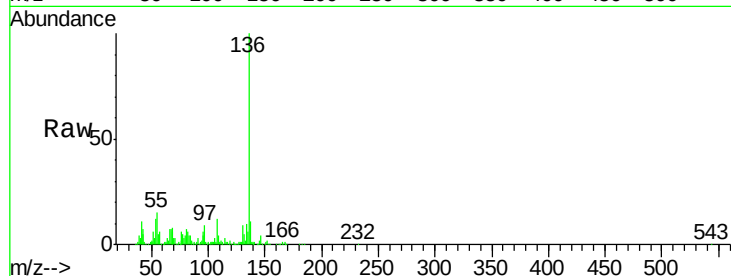




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.59 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BG016890.D
Acq: 6 May 2015 9:00

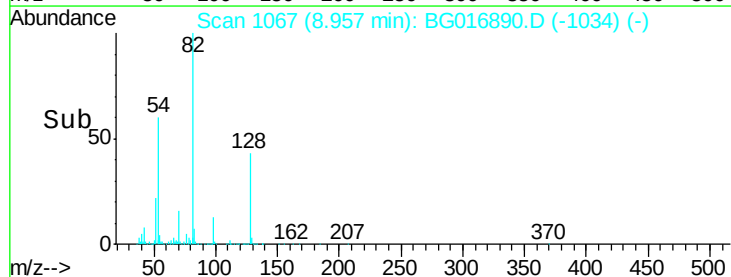
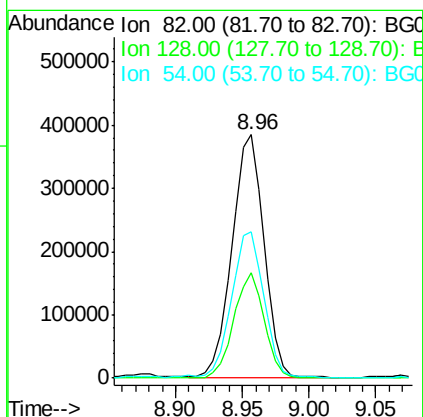
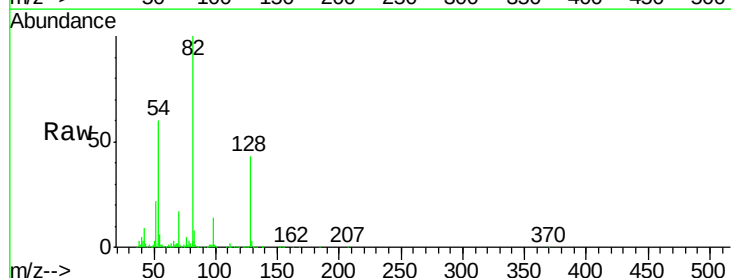
Instrument :
BNA_G
ClientSampleId :

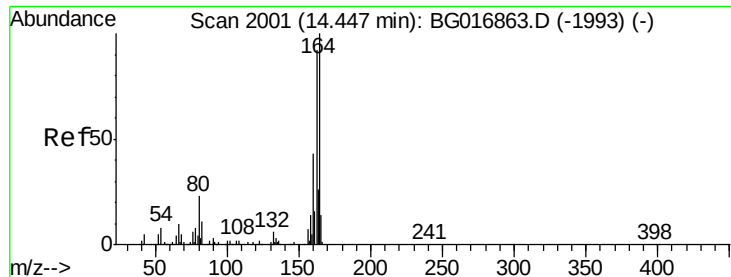
Tot Ion:136	Resp:	348825
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.8 14.8
54	12.2	8.7 13.1
68	8.4	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 89.59 ng
RT: 8.96 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BG016890.D
Acq: 6 May 2015 9:00

Tgt Ion: 82	Resp:	639692
Ion Ratio	Lower	Upper
82	100	
128	43.3	33.2 49.8
54	60.1	48.6 72.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.44 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Instrument :

BNA_G

ClientSampleId :

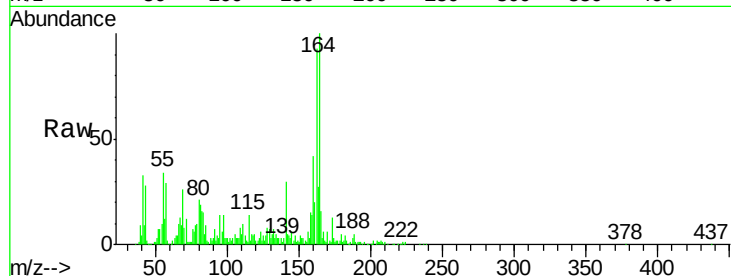
Tot Ion:164 Resp: 224110

Ion Ratio Lower Upper

164 100

162 92.8 74.0 111.0

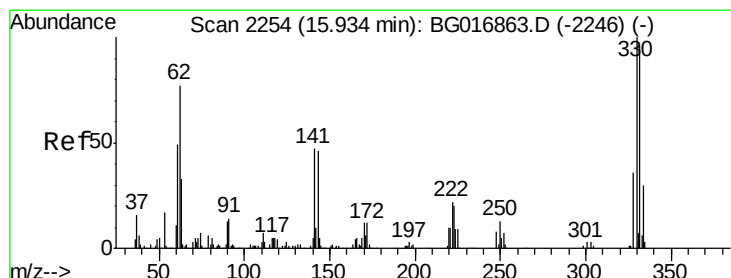
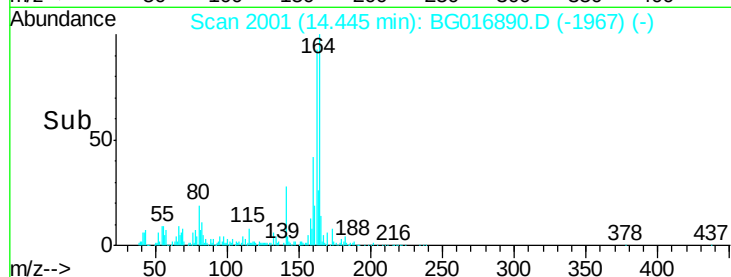
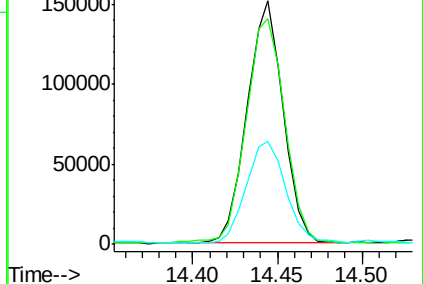
160 42.0 34.7 52.1



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: 134.42 ng

RT: 15.93 min Scan# 2254

Delta R.T. -0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

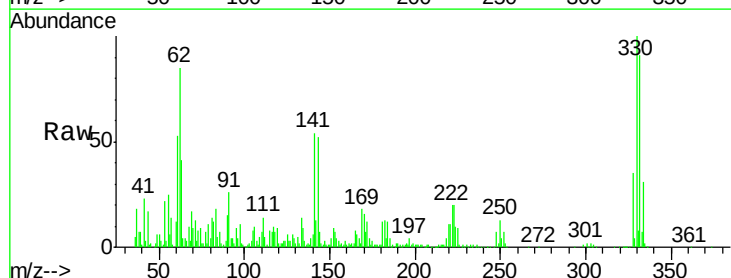
Tgt Ion:330 Resp: 302418

Ion Ratio Lower Upper

330 100

332 93.1 0.0 0.0#

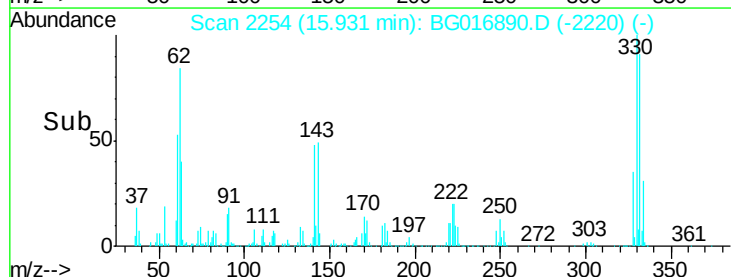
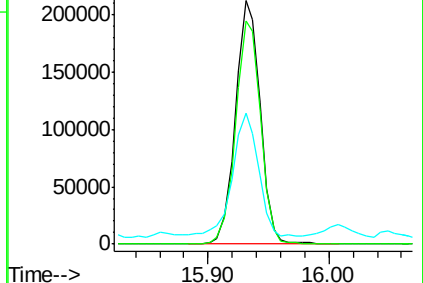
141 53.5 0.0 0.0#

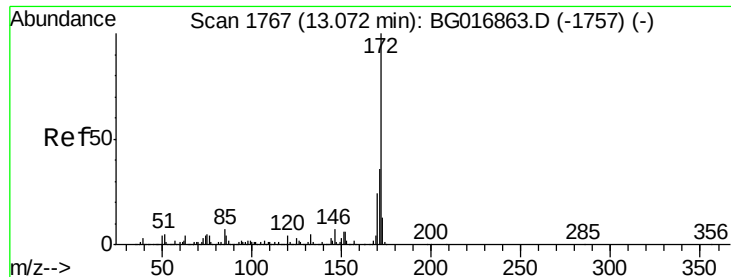


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

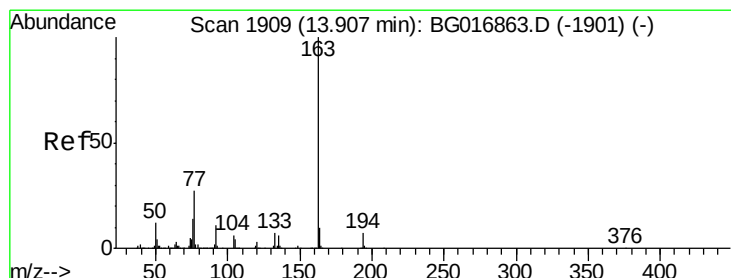
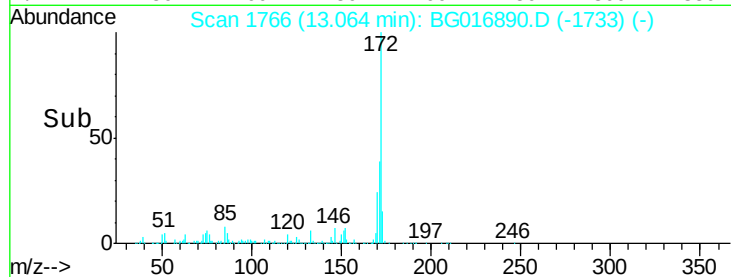
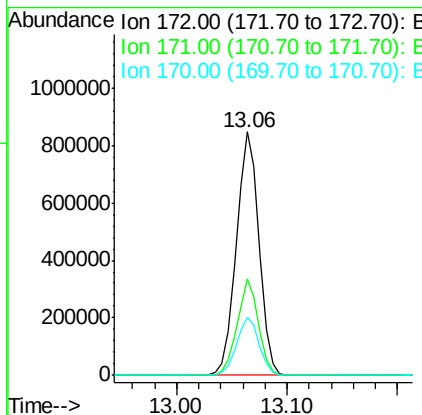
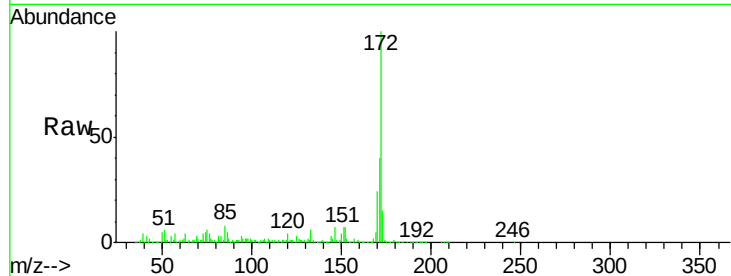




#44
2-Fluorobiphenyl
Concen: 81.48 ng
RT: 13.06 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG016890.D
Acq: 6 May 2015 9:00

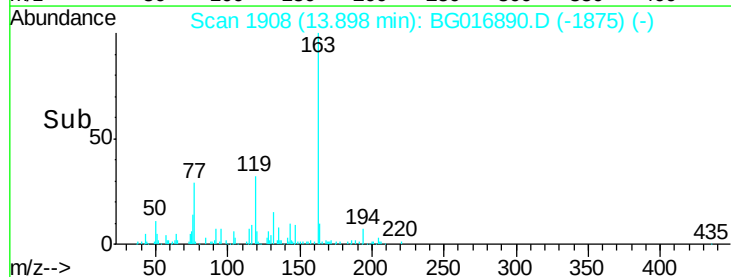
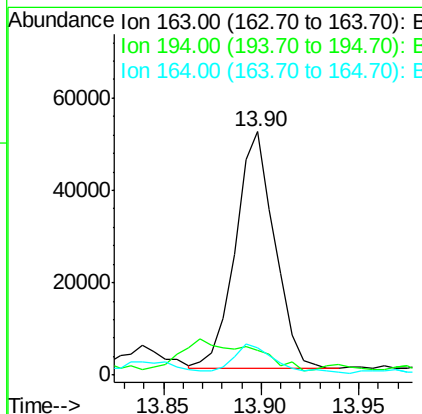
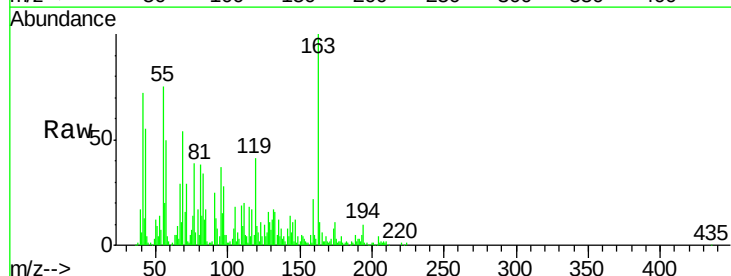
Instrument :
BNA_G
ClientSampleId :

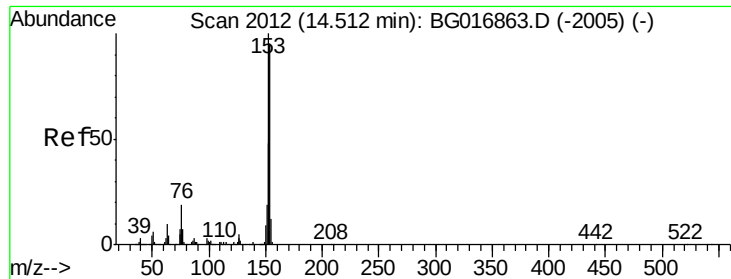
Tot Ion:172 Resp: 1210042
Ion Ratio Lower Upper
172 100
171 39.5 29.0 43.4
170 23.9 19.0 28.4



#49
Dimethylphthalate
Concen: 4.21 ng
RT: 13.90 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BG016890.D
Acq: 6 May 2015 9:00

Tgt Ion:163 Resp: 70474
Ion Ratio Lower Upper
163 100
194 10.3 5.2 7.8#
164 11.0 8.4 12.6





#51

Acenaphthene

Concen: 2.78 ng

RT: 14.50 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Instrument :

BNA_G

ClientSampleId :

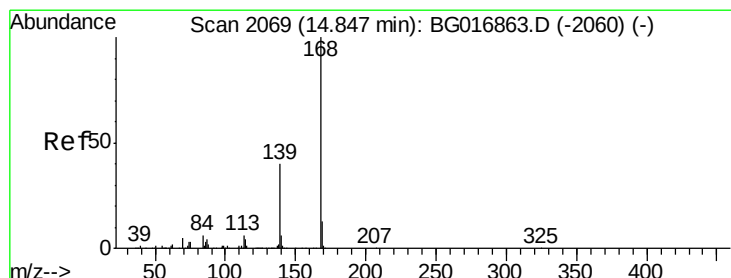
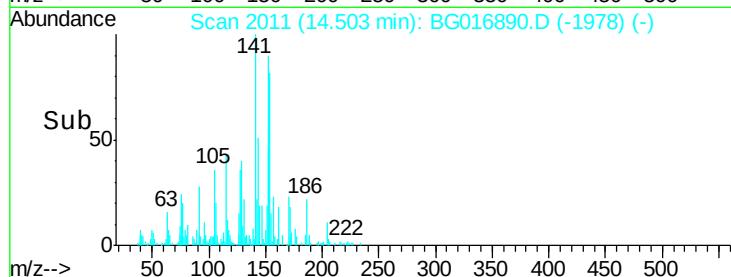
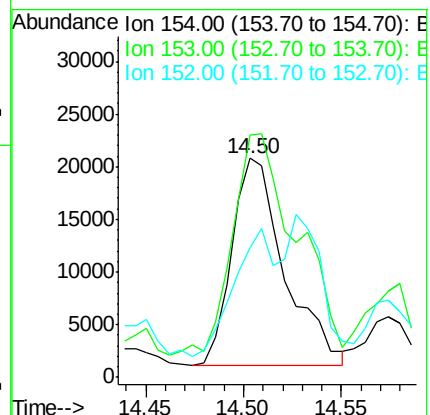
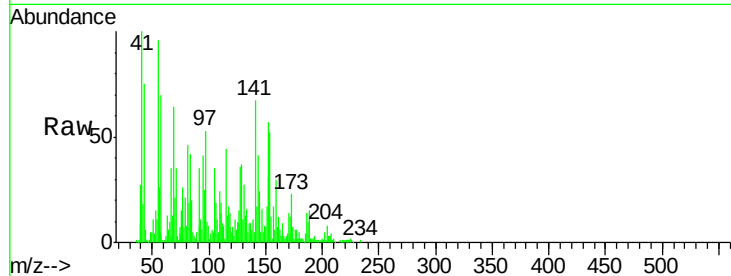
Tot Ion:154 Resp: 36656

Ion Ratio Lower Upper

154 100

153 110.4 84.2 126.4

152 59.2 40.2 60.2



#54

Dibenzofuran

Concen: 3.00 ng

RT: 14.84 min Scan# 2069

Delta R.T. -0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

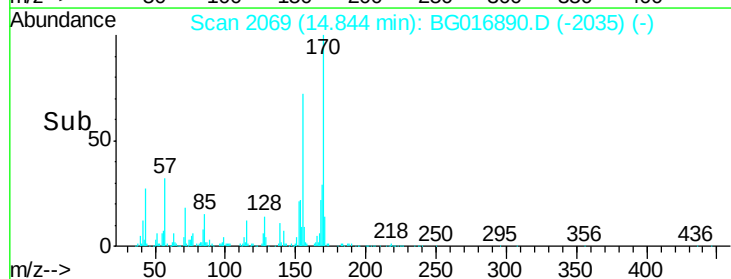
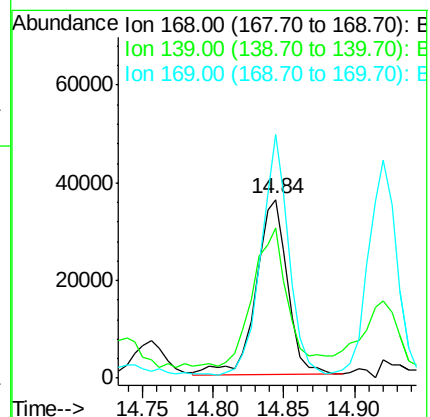
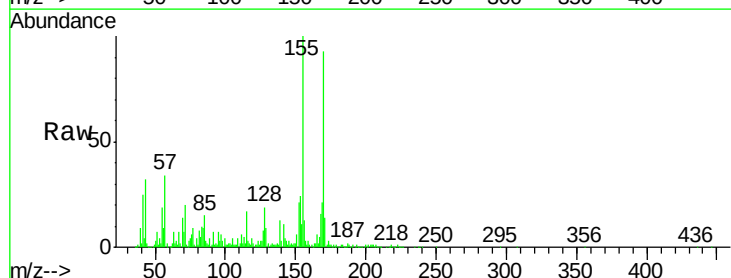
Tgt Ion:168 Resp: 56022

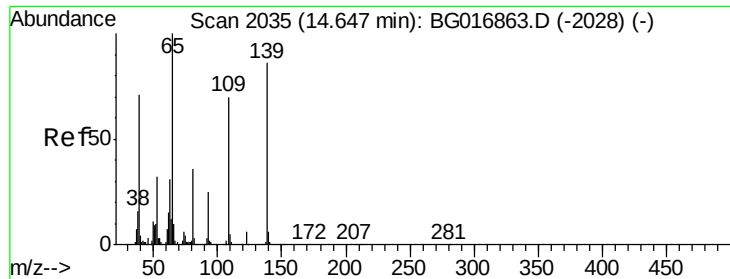
Ion Ratio Lower Upper

168 100

139 83.9 32.5 48.7#

169 136.4 10.4 15.6#

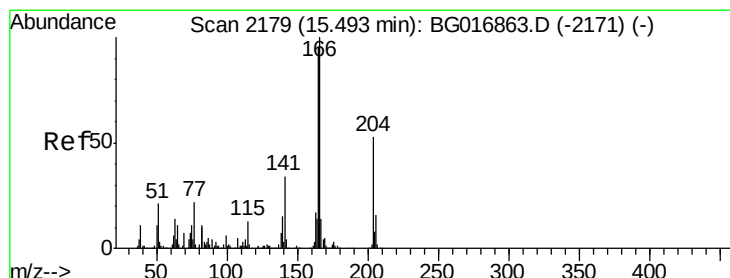
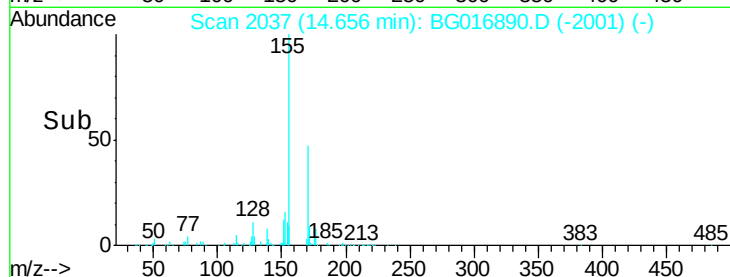
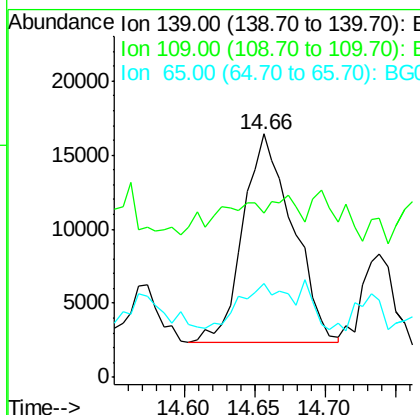
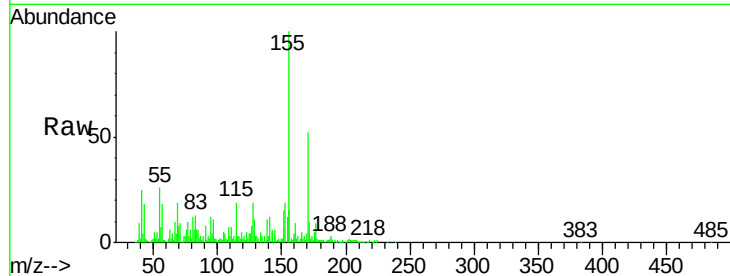




#55
4-Nitrophenol
Concen: 10.35 ng
RT: 14.66 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BG016890.D
Acq: 6 May 2015 9:00

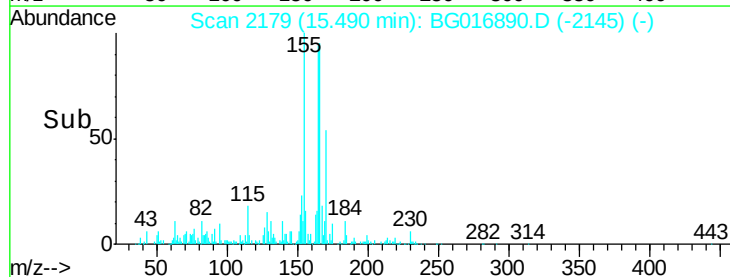
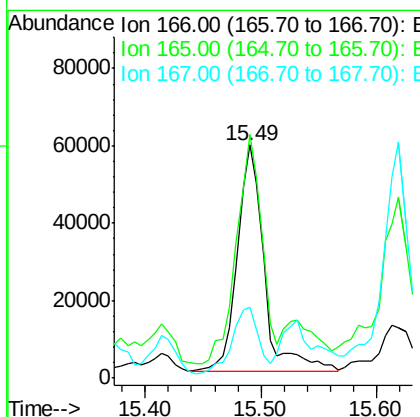
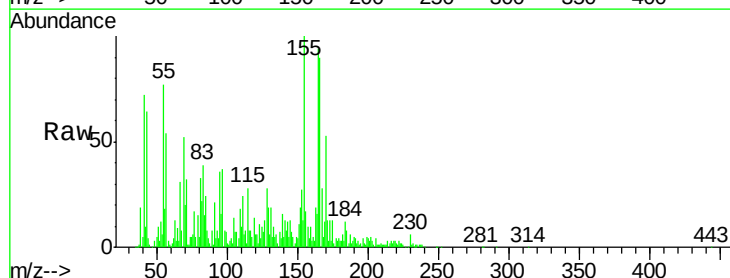
Instrument :
BNA_G
ClientSampleId :

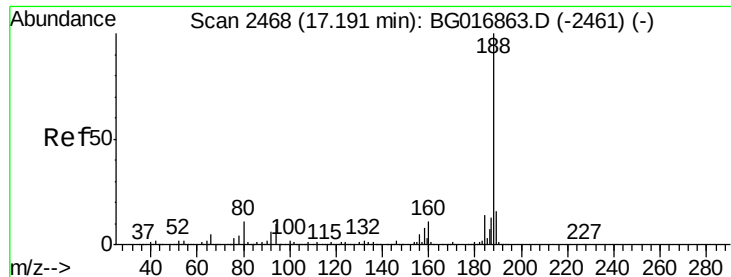
Tot Ion:139 Resp: 34700
Ion Ratio Lower Upper
139 100
109 67.3 61.8 101.8
65 38.7 96.8 136.8#



#57
Fluorene
Concen: 5.67 ng
RT: 15.49 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BG016890.D
Acq: 6 May 2015 9:00

Tgt Ion:166 Resp: 93859
Ion Ratio Lower Upper
166 100
165 104.5 76.1 114.1
167 30.7 11.4 17.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.19 min Scan# 2468

Delta R.T. -0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Instrument :

BNA_G

ClientSampleId :

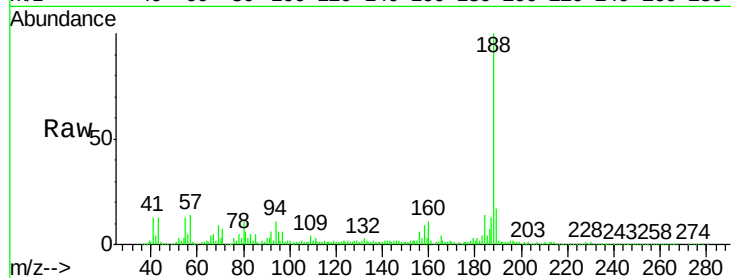
Tot Ion:188 Resp: 479031

Ion Ratio Lower Upper

188 100

94 11.1 8.2 12.4

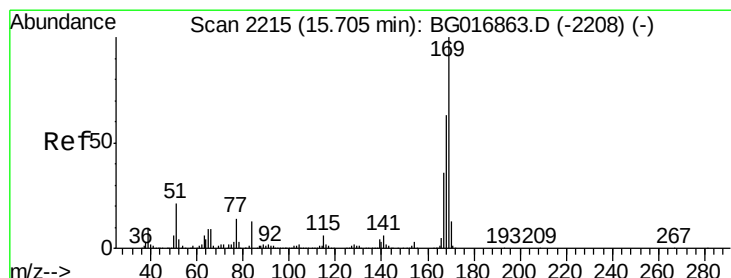
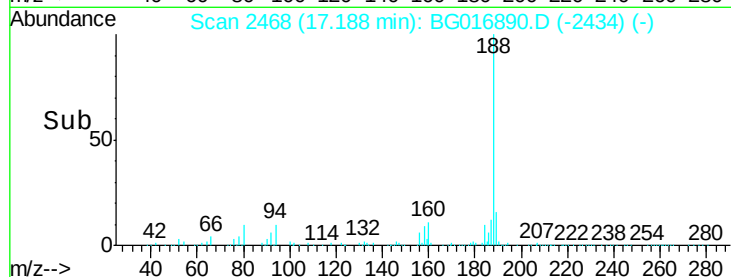
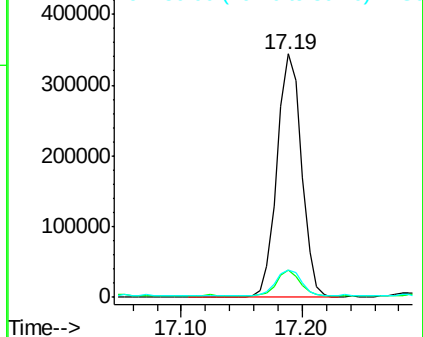
80 11.2 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

n-Nitrosodiphenylamine

Concen: 9.73 ng

RT: 15.71 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

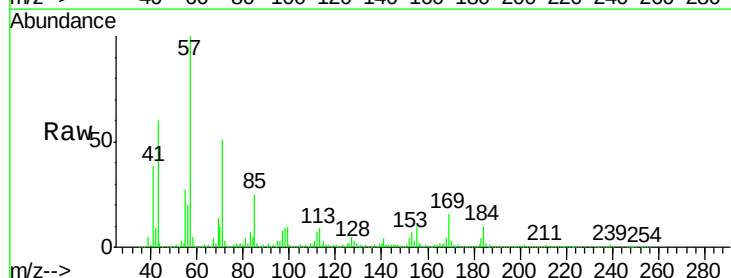
Tgt Ion:169 Resp: 142308

Ion Ratio Lower Upper

169 100

168 22.9 50.6 76.0#

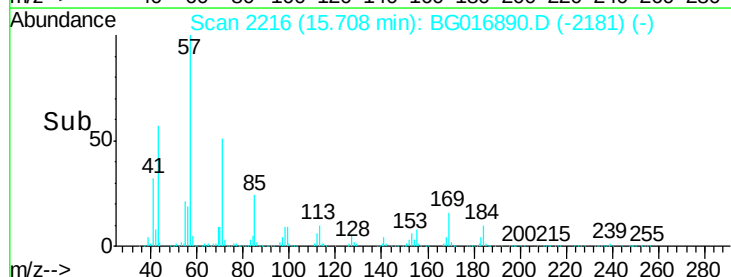
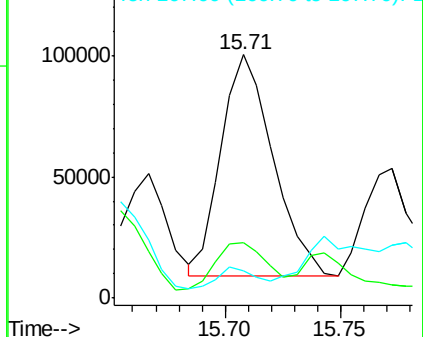
167 11.2 29.0 43.4#

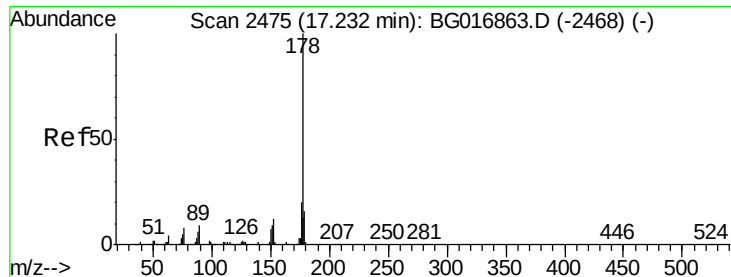


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 7.42 ng

RT: 17.23 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Instrument :

BNA_G

ClientSampleId :

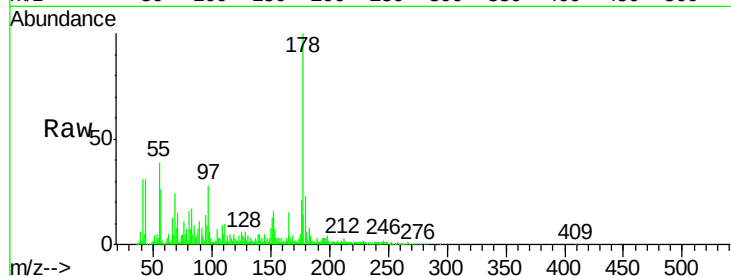
Tot Ion:178 Resp: 183019

Ion Ratio Lower Upper

178 100

176 20.7 16.0 24.0

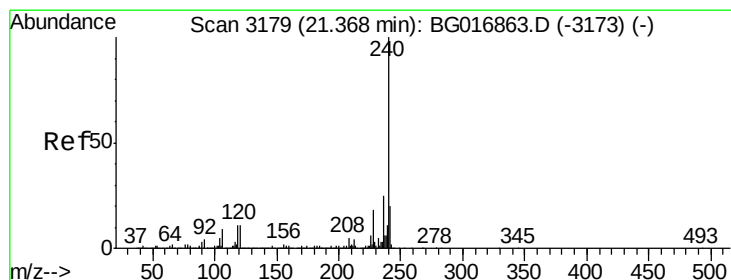
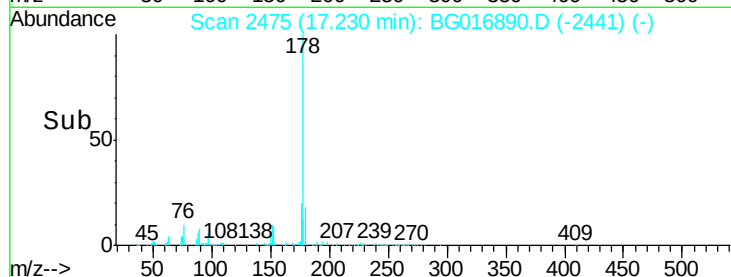
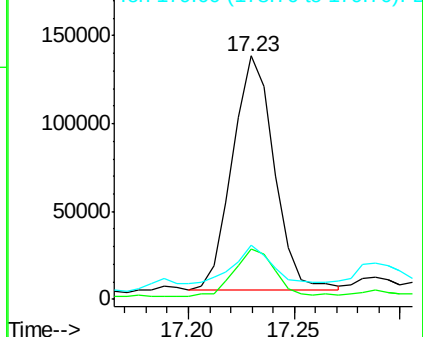
179 22.5 13.0 19.6#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.37 min Scan# 3180

Delta R.T. 0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

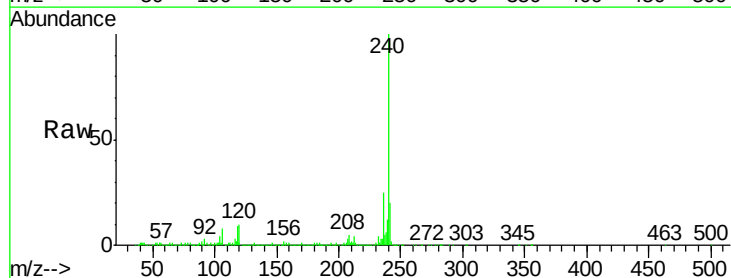
Tgt Ion:240 Resp: 482129

Ion Ratio Lower Upper

240 100

120 9.5 9.1 13.7

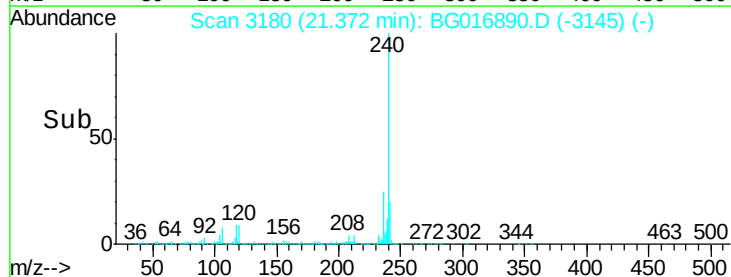
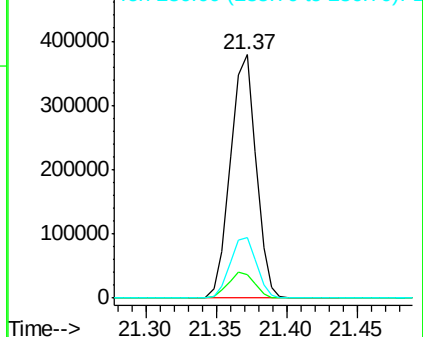
236 24.7 20.2 30.4

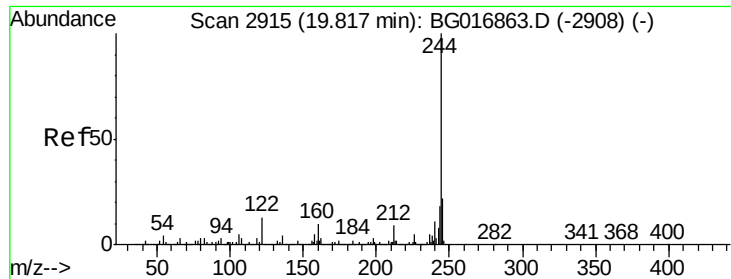


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.37 ng

RT: 19.82 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

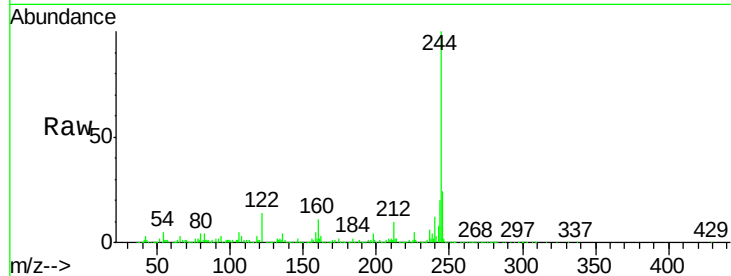
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1714592

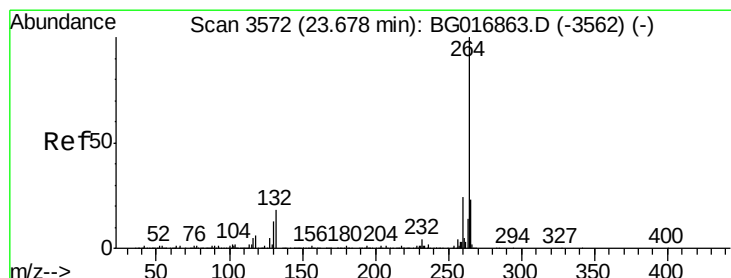
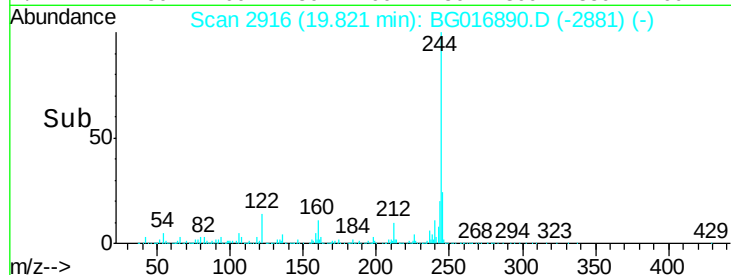
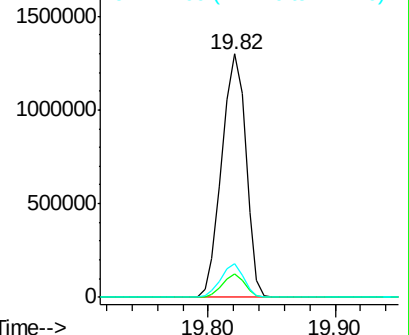
Ion	Ratio	Lower	Upper
244	100		
212	9.7	7.0	10.6
122	13.7	10.4	15.6



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: 23.69 min Scan# 3574

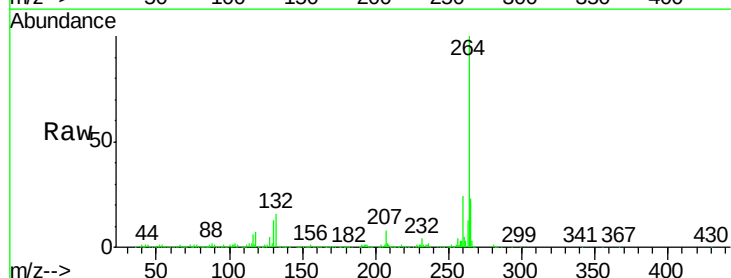
Delta R.T. 0.01 min

Lab File: BG016890.D

Acq: 6 May 2015 9:00

Tgt Ion:264 Resp: 465723

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.1	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

