

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012615\
 Data File : BG015940.D
 Acq On : 27 Jan 2015 10:18
 Operator : TP/IZ
 Sample : G1139-04
 Misc : S
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 121B2C

Quant Time: Jan 27 11:48:01 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 20 17:47:40 2015
 Response via : Initial Calibration

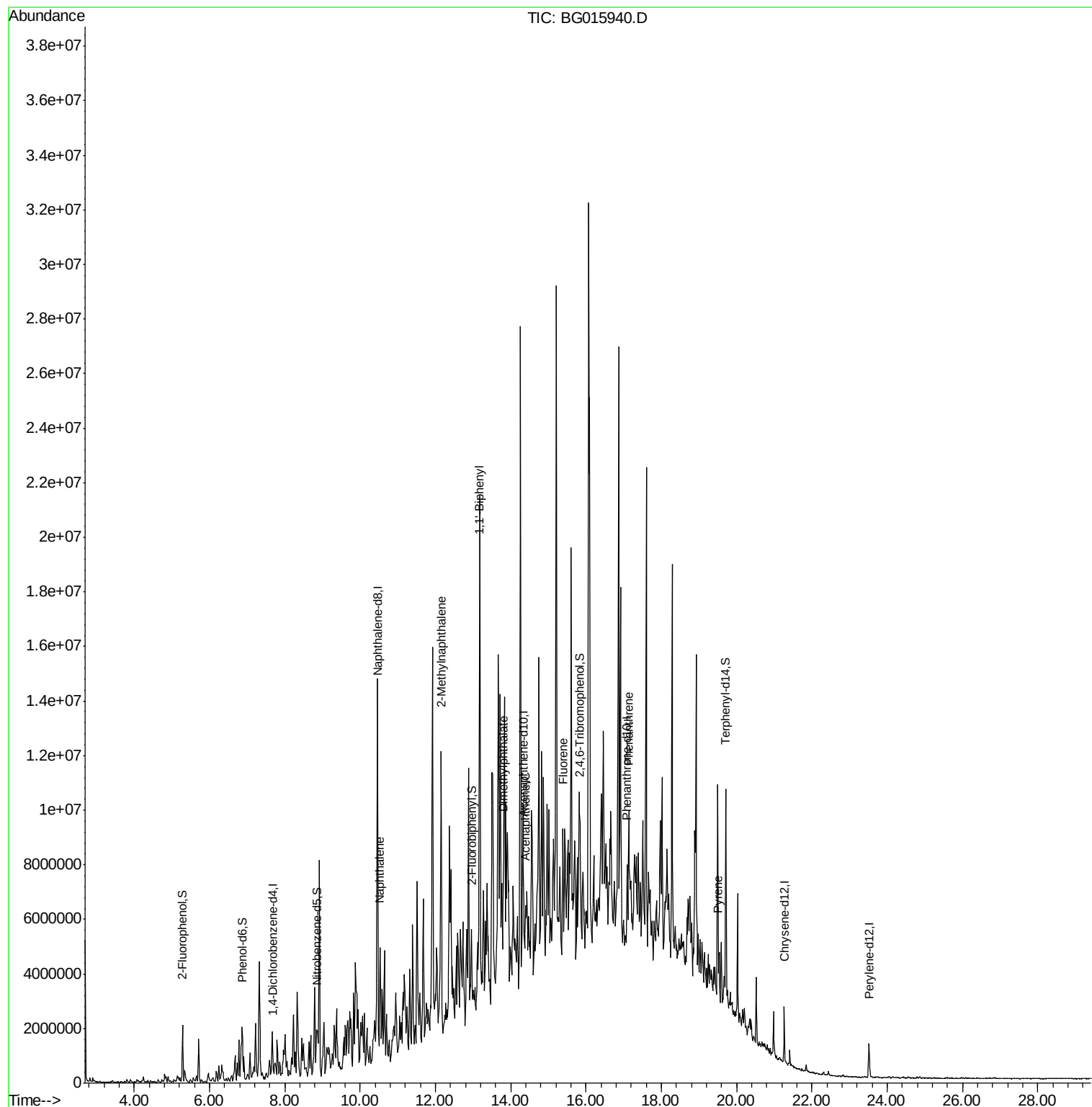
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	96424	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	397258	20.00	ng	0.00
38) Acenaphthene-d10	14.34	164	336169	20.00	ng	0.00
63) Phenanthrene-d10	17.10	188	708582	20.00	ng	0.01
75) Chrysene-d12	21.27	240	1009559	20.00	ng	0.00
86) Perylene-d12	23.52	264	1015630	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	613208	94.70	ng	0.00
7) Phenol-d6	6.87	99	946810	90.74	ng	0.00
23) Nitrobenzene-d5	8.85	82	827296	60.03	ng	0.00
41) 2,4,6-Tribromophenol	15.84	330	555069	90.19	ng	0.01
44) 2-Fluorobiphenyl	12.96	172	1444376	67.41	ng	0.00
78) Terphenyl-d14	19.72	244	2626326	69.36	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.53	128	1358679	66.82	ng	# 92
37) 2-Methylnaphthalene	12.16	142	3733892	231.23	ng	97
45) 1,1'-Biphenyl	13.17	154	783609	36.93	ng	94
49) Dimethylphthalate	13.80	163	244530	10.11	ng	# 90
51) Acenaphthene	14.40	154	242763	14.20	ng	# 89
57) Fluorene	15.39	166	603345	23.71	ng	# 86
70) Phenanthrene	17.14	178	1926573	54.19	ng	# 95
77) Pyrene	19.52	202	550027	11.46	ng	# 90

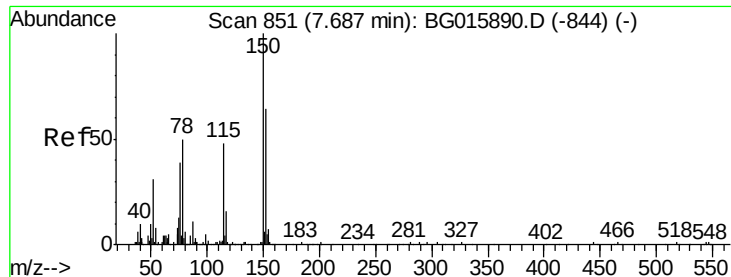
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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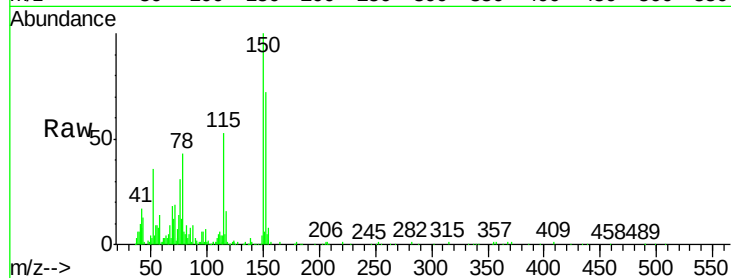


#1

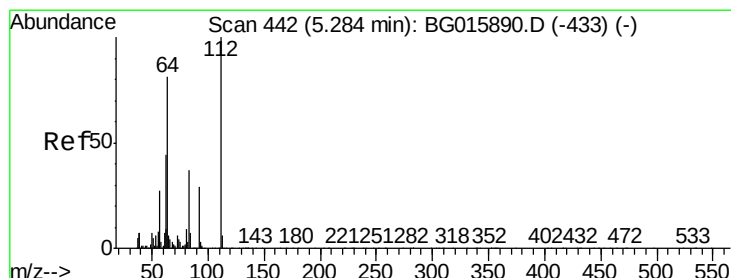
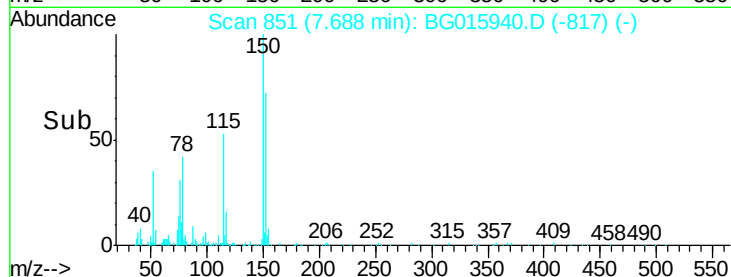
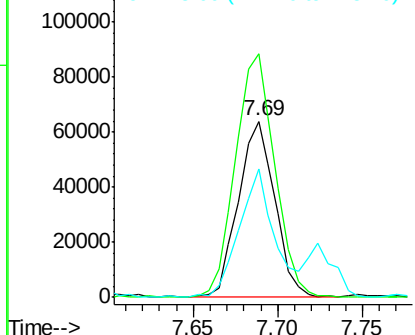
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.69 min Scan# 851
Delta R.T. 0.00 min
Lab File: BG015940.D
Acq: 27 Jan 2015 10:18

Instrument :
BNA_G
ClientSampled :
121B2C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	138.0	124.5	186.7
115	72.7	60.4	90.6



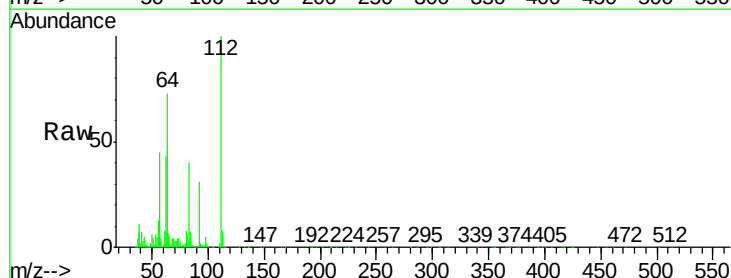
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



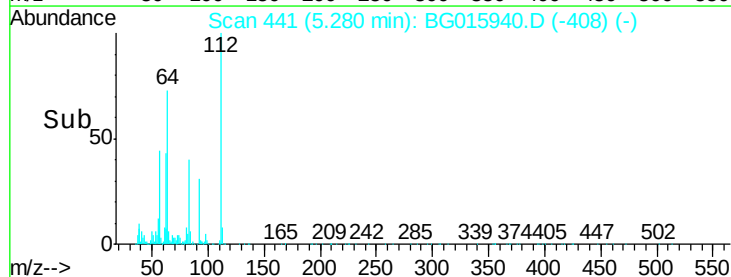
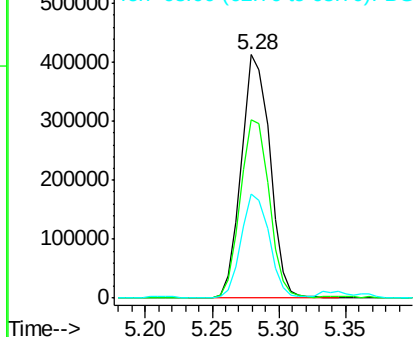
#5

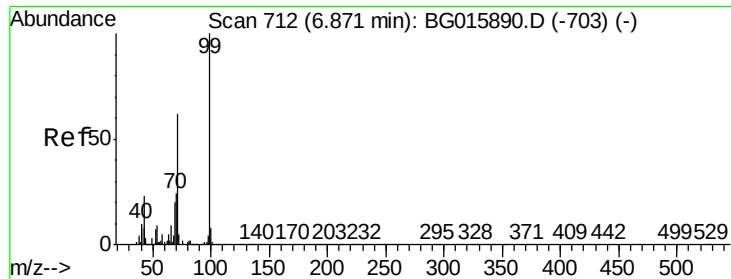
2-Fluorophenol
Concen: 94.70 ng
RT: 5.28 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG015940.D
Acq: 27 Jan 2015 10:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	64.4	96.6
63	42.9	35.1	52.7



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: 90.74 ng

RT: 6.87 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Instrument :

BNA_G

ClientSampleId :

121B2C

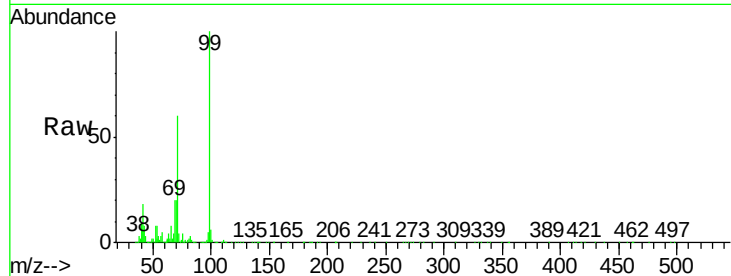
Tgt Ion: 99 Resp: 946810

Ion Ratio Lower Upper

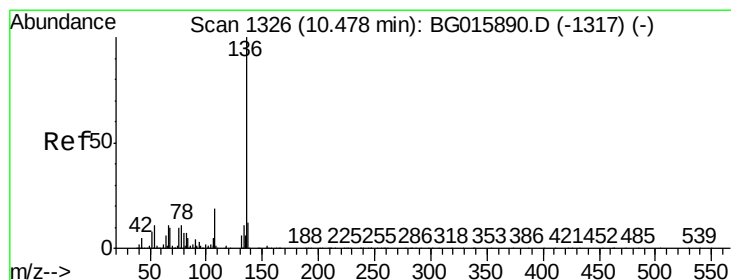
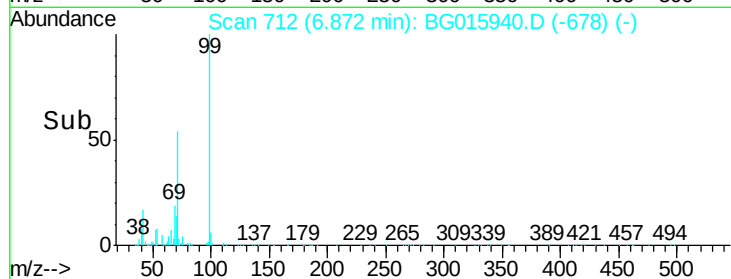
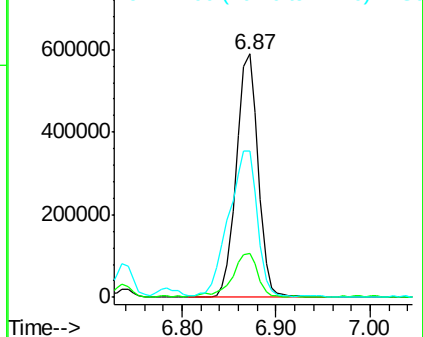
99 100

42 18.2 18.1 27.1

71 60.1 49.8 74.8



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: 10.47 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Tgt Ion: 136 Resp: 397258

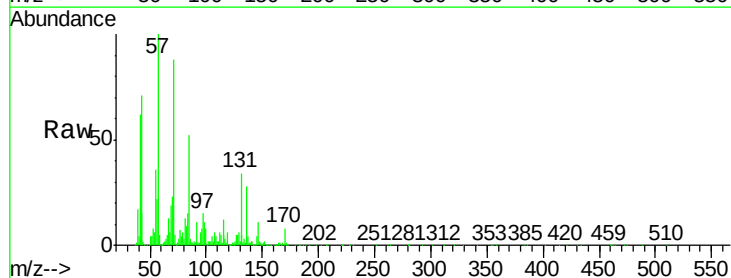
Ion Ratio Lower Upper

136 100

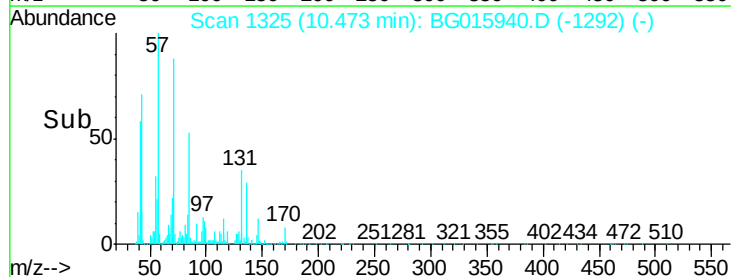
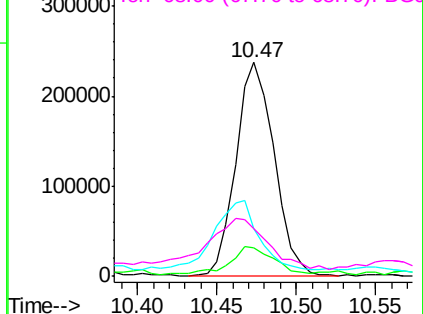
137 13.2 9.7 14.5

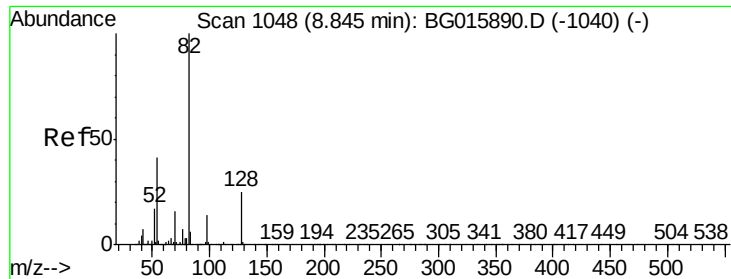
54 22.3 8.5 12.7#

68 22.4 8.0 12.0#



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

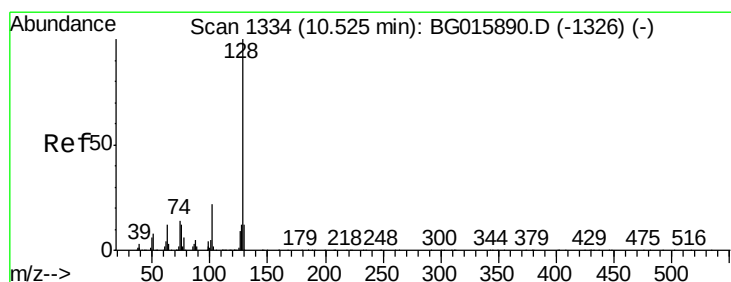
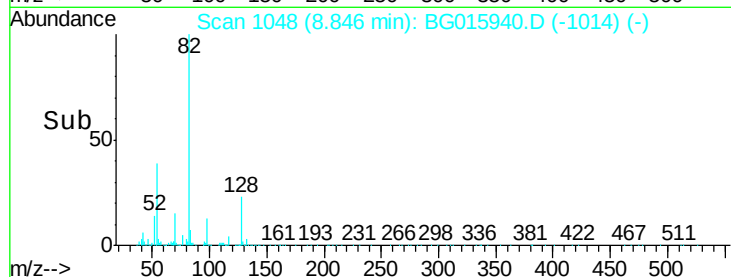
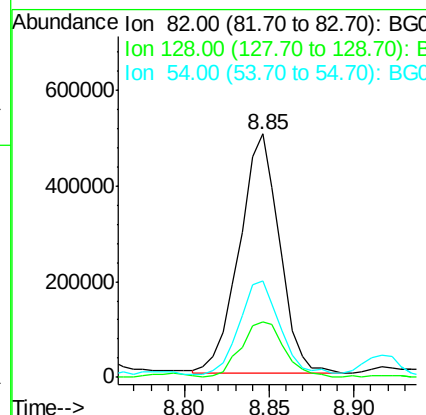
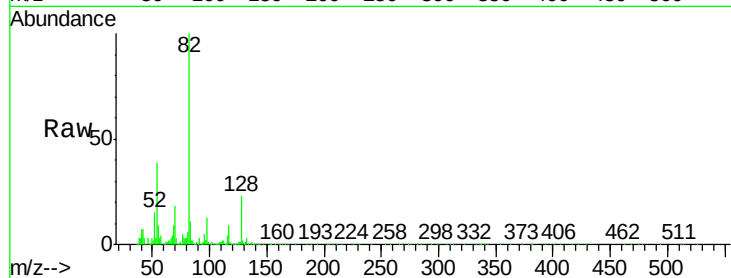




#23
Nitrobenzene-d5
Concen: 60.03 ng
RT: 8.85 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG015940.D
Acq: 27 Jan 2015 10:18

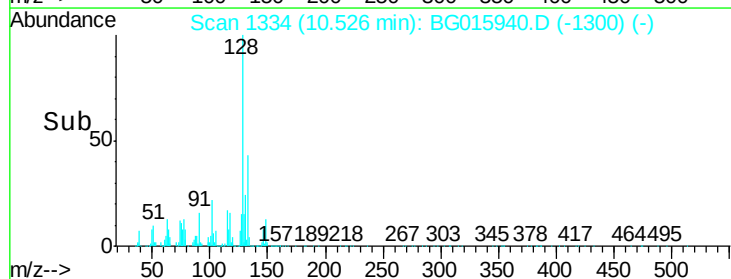
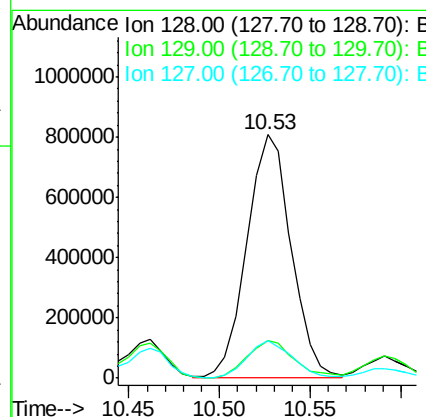
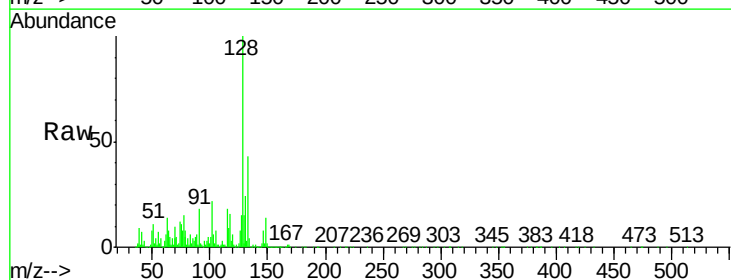
Instrument :
BNA_G
ClientSampleId :
121B2C

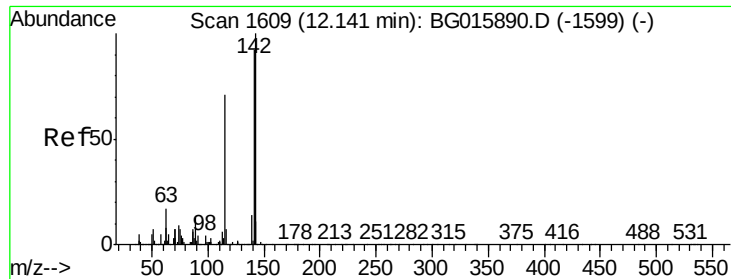
Tgt Ion: 82 Resp: 827296
Ion Ratio Lower Upper
82 100
128 22.8 19.8 29.8
54 39.4 33.0 49.4



#31
Naphthalene
Concen: 66.82 ng
RT: 10.53 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG015940.D
Acq: 27 Jan 2015 10:18

Tgt Ion: 128 Resp: 1358679
Ion Ratio Lower Upper
128 100
129 15.3 9.7 14.5#
127 15.2 9.8 14.6#

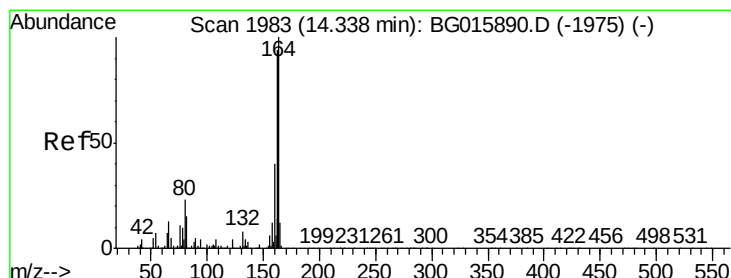
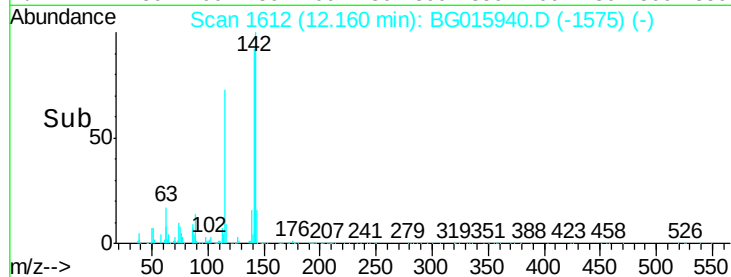
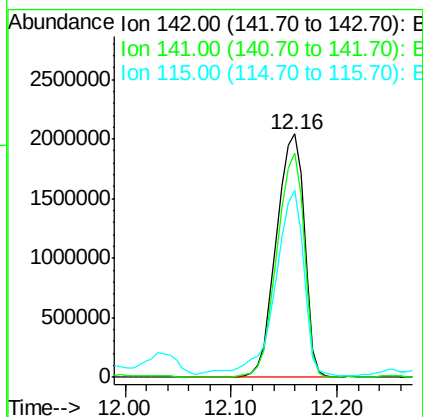
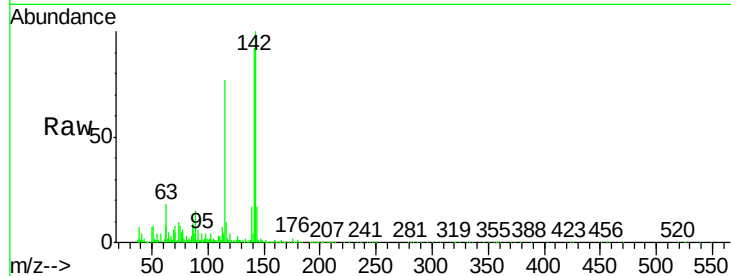




#37
2-Methylnaphthalene
Concen: 231.23 ng
RT: 12.16 min Scan# 1612
Delta R.T. 0.02 min
Lab File: BG015940.D
Acq: 27 Jan 2015 10:18

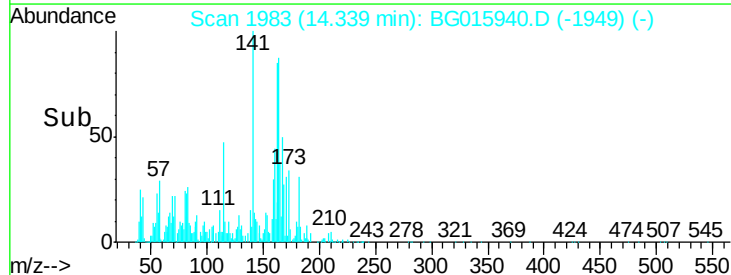
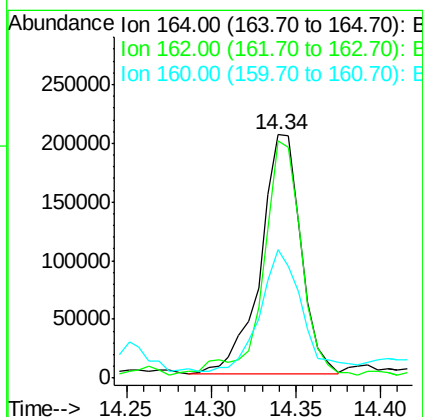
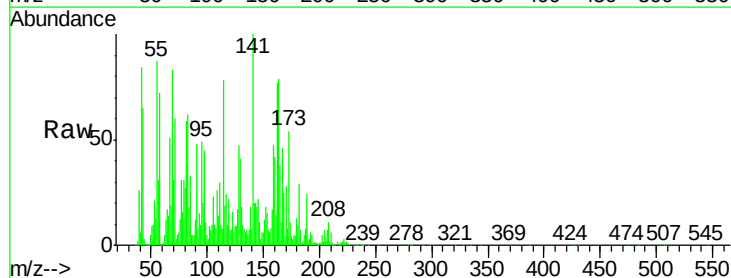
Instrument :
BNA_G
ClientSampleId :
121B2C

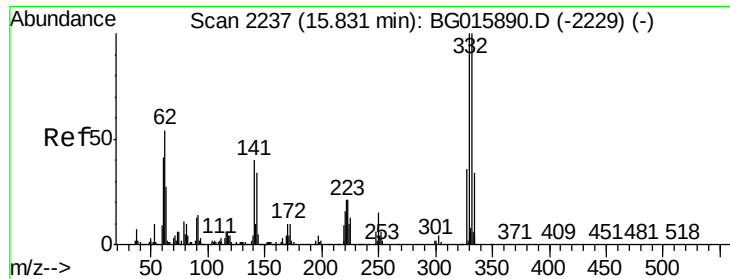
Tgt Ion:142 Resp: 3733892
Ion Ratio Lower Upper
142 100
141 92.2 73.8 110.8
115 76.9 56.6 84.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.34 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG015940.D
Acq: 27 Jan 2015 10:18

Tgt Ion:164 Resp: 336169
Ion Ratio Lower Upper
164 100
162 97.5 75.1 112.7
160 52.7 32.3 48.5#

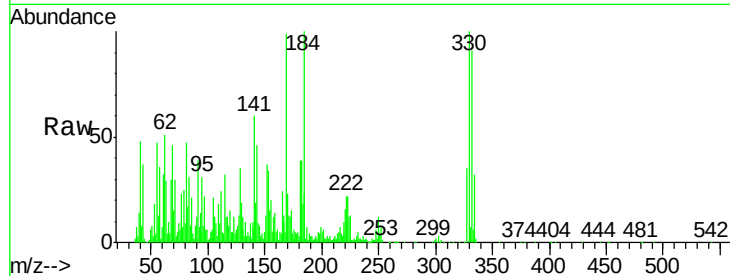




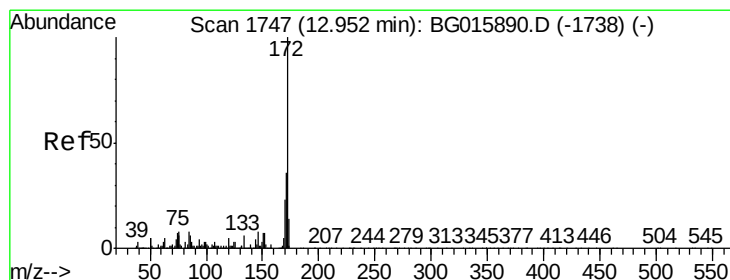
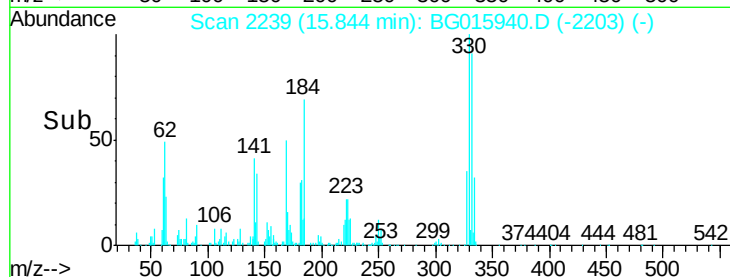
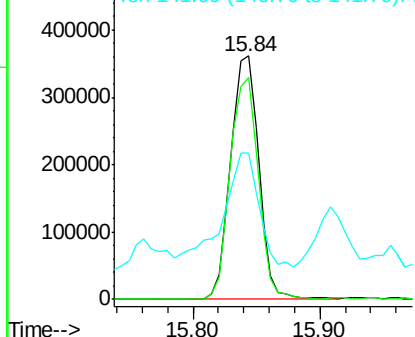
#41
 2,4,6-Tribromophenol
 Concen: 90.19 ng
 RT: 15.84 min Scan# 2239
 Delta R.T. 0.01 min
 Lab File: BG015940.D
 Acq: 27 Jan 2015 10:18

Instrument :
 BNA_G
 ClientSampleId :
 121B2C

Tgt Ion:330 Resp: 555069
 Ion Ratio Lower Upper
 330 100
 332 91.6 75.4 113.0
 141 59.8 33.0 49.6#

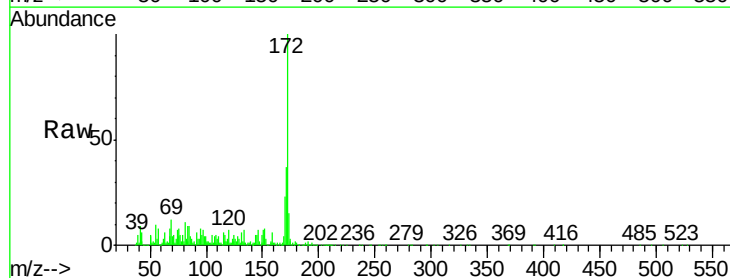


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

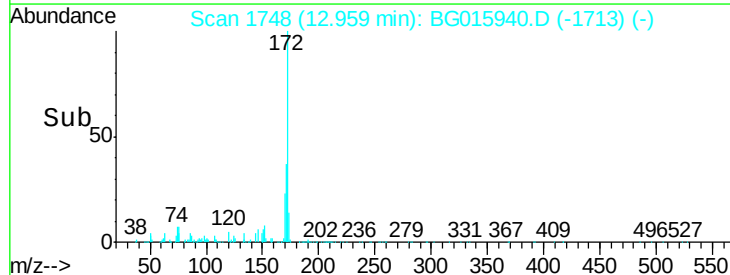
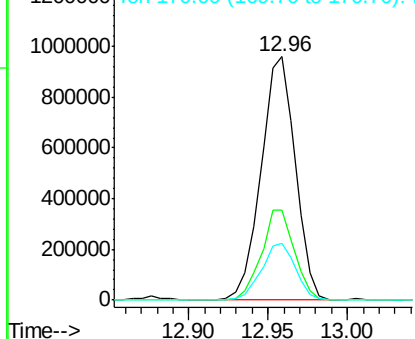


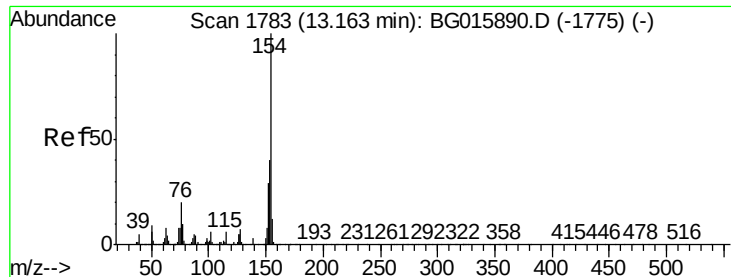
#44
 2-Fluorobiphenyl
 Concen: 67.41 ng
 RT: 12.96 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: BG015940.D
 Acq: 27 Jan 2015 10:18

Tgt Ion:172 Resp: 1444376
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.2 43.8
 170 23.1 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 36.93 ng

RT: 13.17 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Instrument :

BNA_G

ClientSampleId :

121B2C

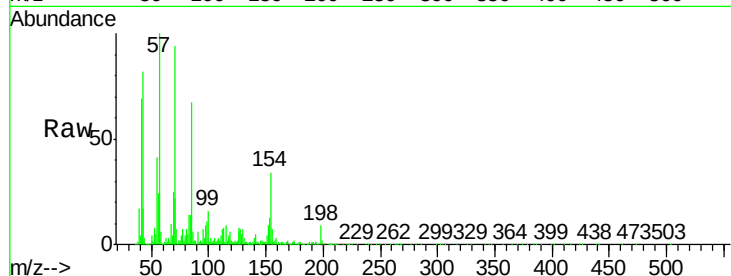
Tgt Ion:154 Resp: 783609

Ion Ratio Lower Upper

154 100

153 39.4 20.4 60.4

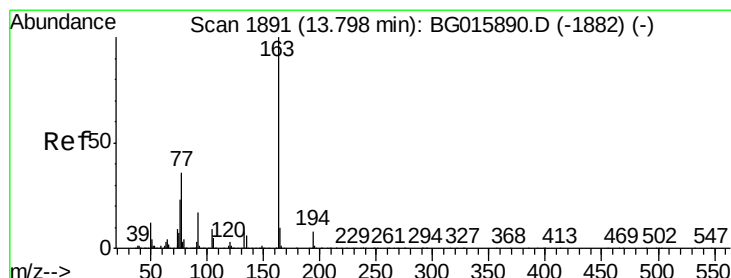
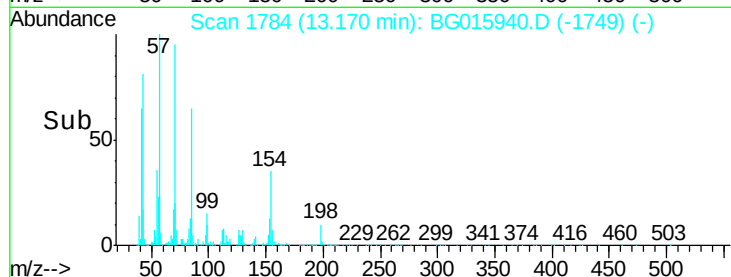
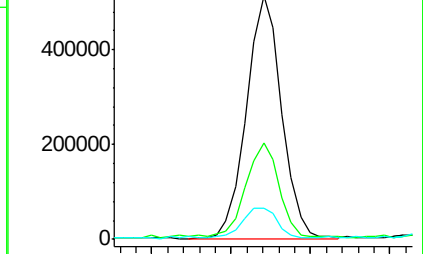
76 12.8 0.2 40.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B



#49

Dimethylphthalate

Concen: 10.11 ng

RT: 13.80 min Scan# 1891

Delta R.T. 0.00 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

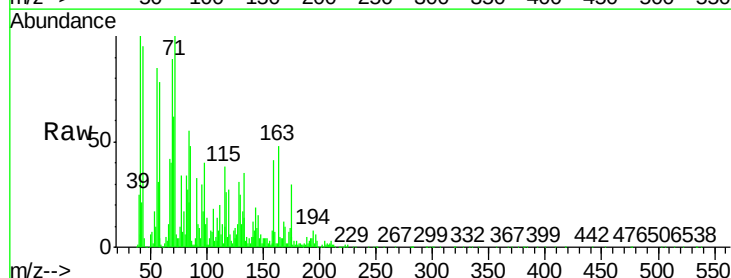
Tgt Ion:163 Resp: 244530

Ion Ratio Lower Upper

163 100

194 15.7 6.2 9.4#

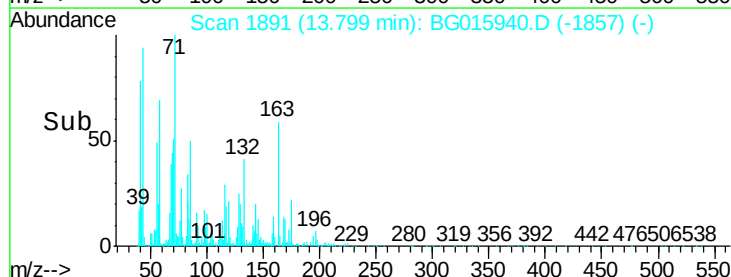
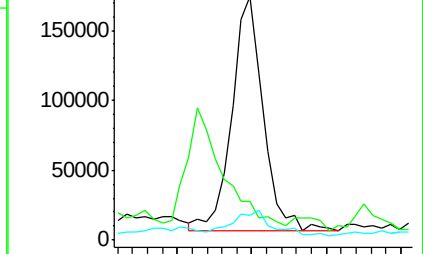
164 10.3 8.0 12.0

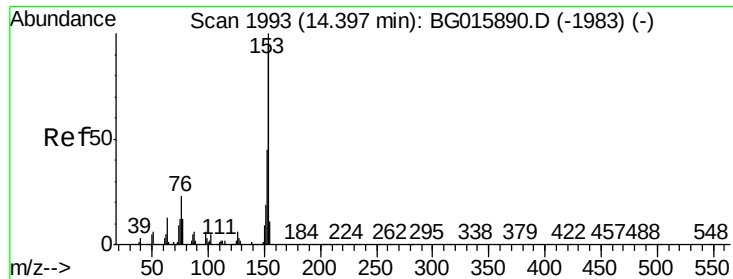


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 14.20 ng

RT: 14.40 min Scan# 1994

Delta R.T. 0.01 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Instrument :

BNA_G

ClientSampleId :

121B2C

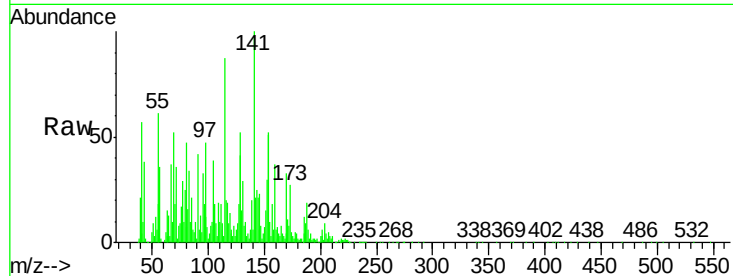
Tgt Ion:154 Resp: 242763

Ion Ratio Lower Upper

154 100

153 97.7 85.1 127.7

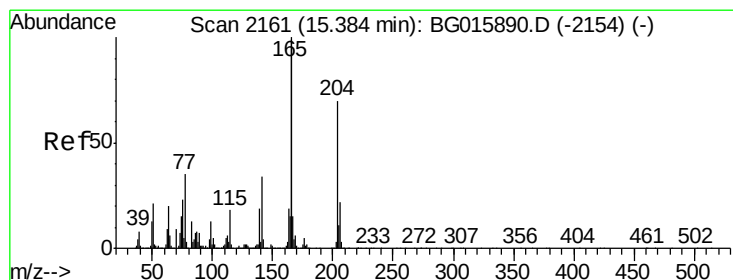
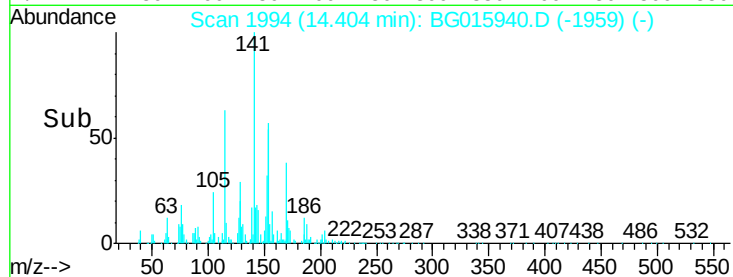
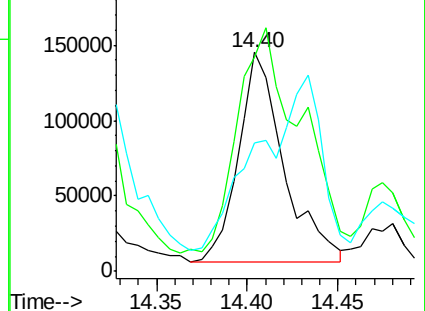
152 58.7 38.3 57.5#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 23.71 ng

RT: 15.39 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

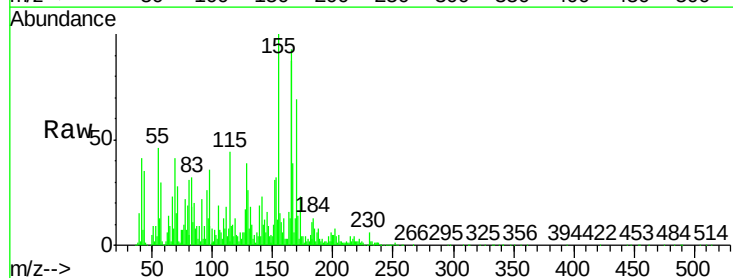
Tgt Ion:166 Resp: 603345

Ion Ratio Lower Upper

166 100

165 106.2 80.6 120.8

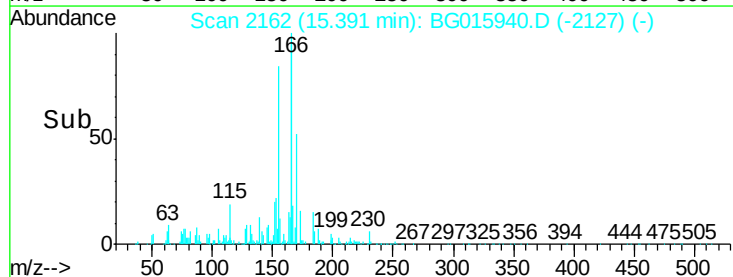
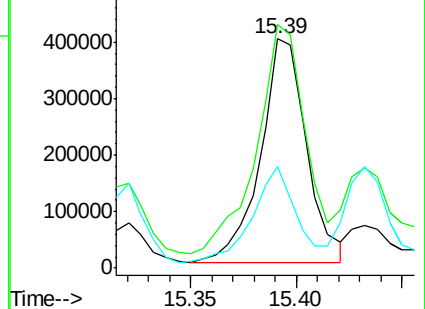
167 44.4 12.5 18.7#

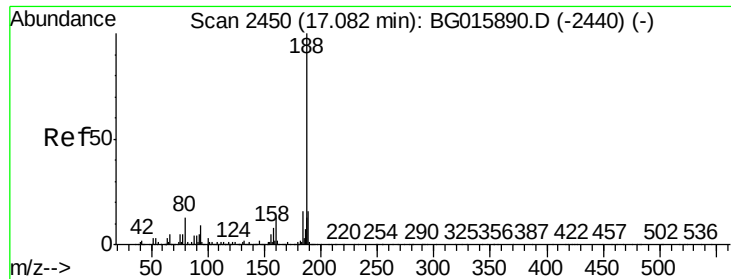


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.10 min Scan# 2452

Delta R.T. 0.01 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Instrument :

BNA_G

ClientSampleId :

121B2C

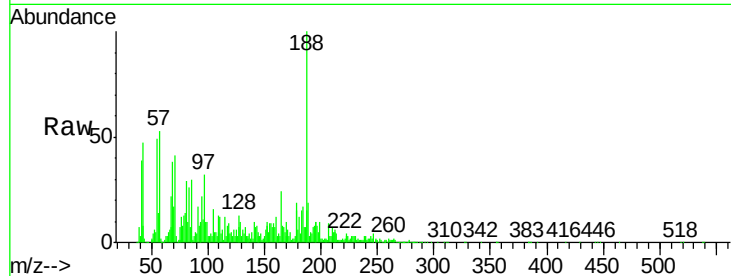
Tgt Ion:188 Resp: 708582

Ion Ratio Lower Upper

188 100

94 8.7 7.8 11.8

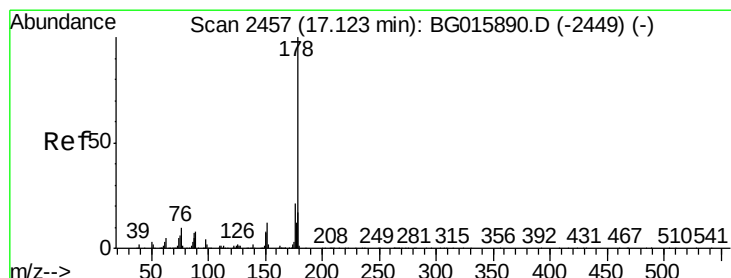
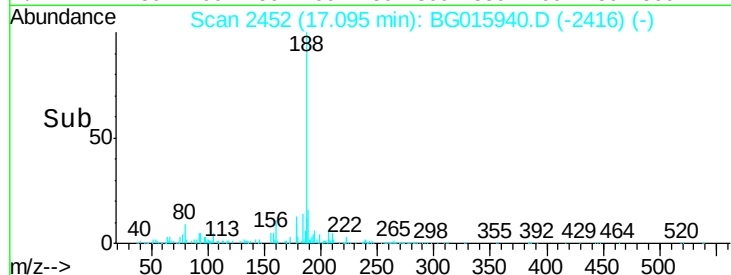
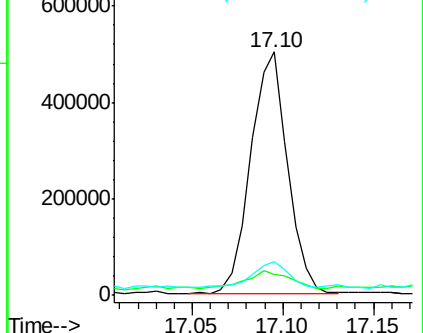
80 13.7 10.6 16.0



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



#70

Phenanthrene

Concen: 54.19 ng

RT: 17.14 min Scan# 2459

Delta R.T. 0.01 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

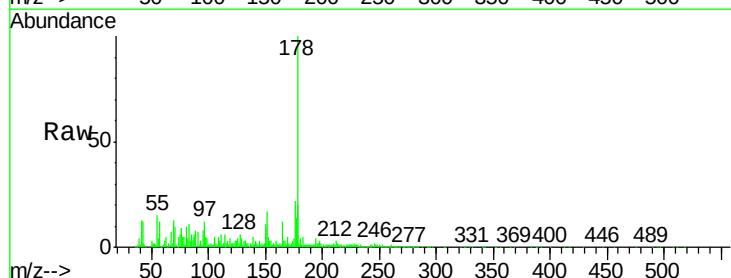
Tgt Ion:178 Resp: 1926573

Ion Ratio Lower Upper

178 100

176 22.1 16.9 25.3

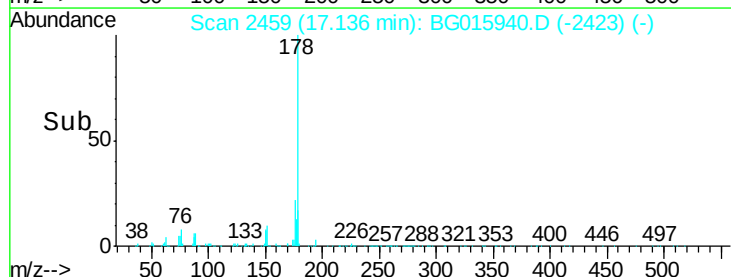
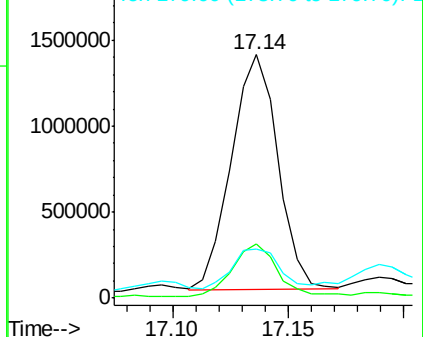
179 20.1 13.3 19.9#

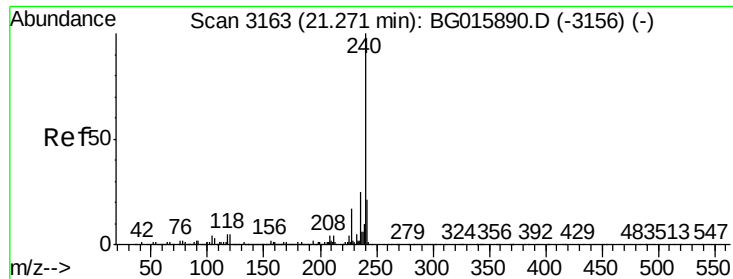


Abundance Ion 178.00 (177.70 to 178.70): E

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: 21.27 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Instrument :

BNA_G

ClientSampleId :

121B2C

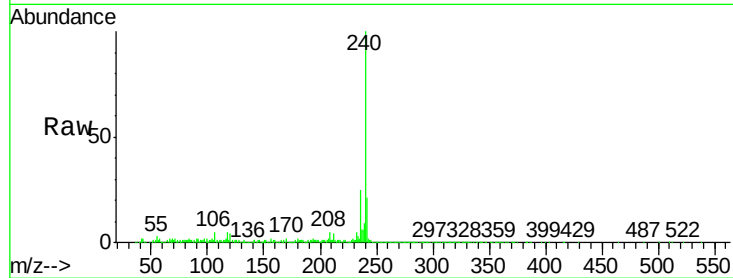
Tgt Ion:240 Resp: 1009559

Ion Ratio Lower Upper

240 100

120 4.4 3.9 5.9

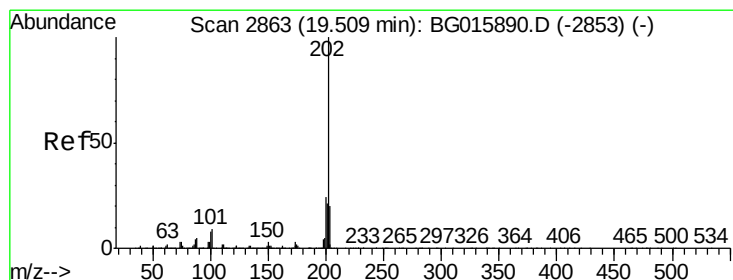
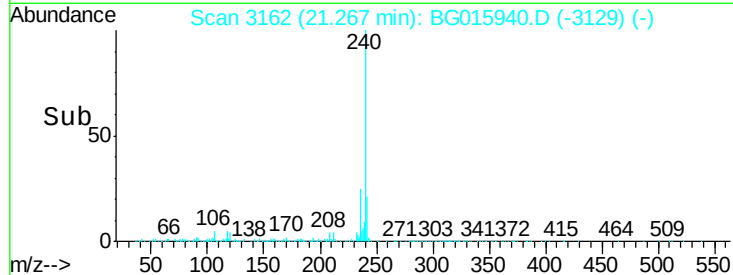
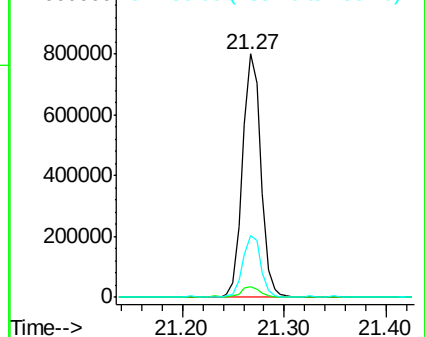
236 25.3 20.0 30.0



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: 11.46 ng

RT: 19.52 min Scan# 2864

Delta R.T. 0.01 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

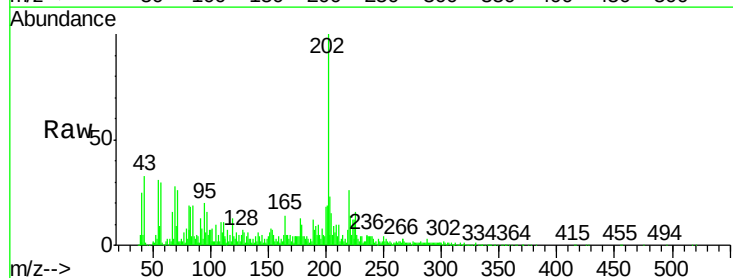
Tgt Ion:202 Resp: 550027

Ion Ratio Lower Upper

202 100

200 18.4 19.3 28.9#

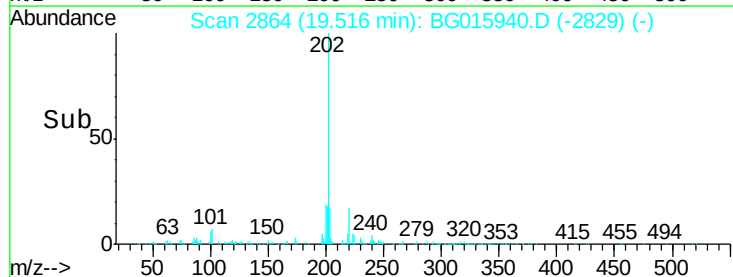
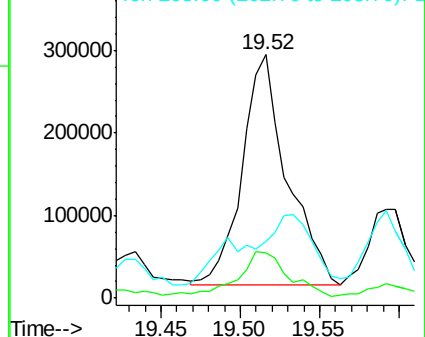
203 23.3 15.9 23.9

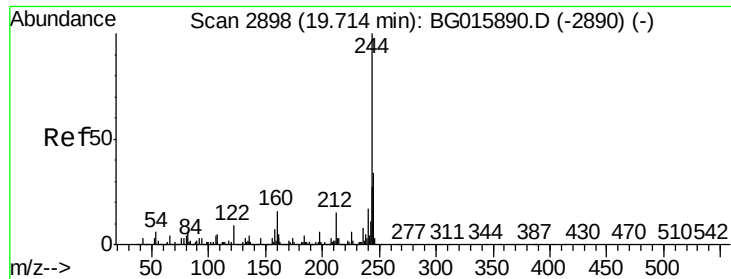


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.36 ng

RT: 19.72 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

Instrument :

BNA_G

ClientSampleId :

121B2C

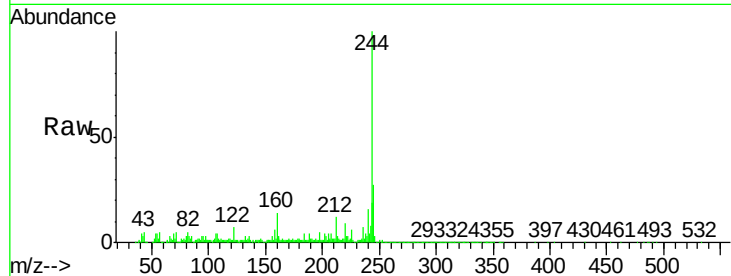
Tgt Ion:244 Resp: 2626326

Ion Ratio Lower Upper

244 100

212 11.9 11.6 17.4

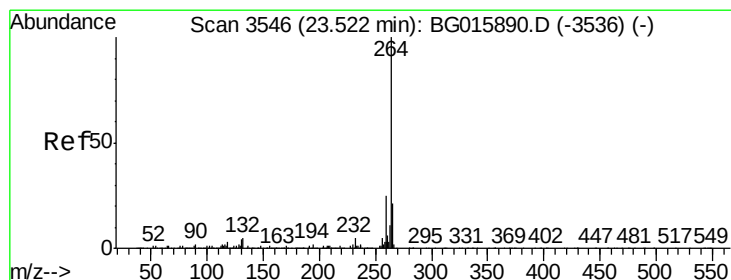
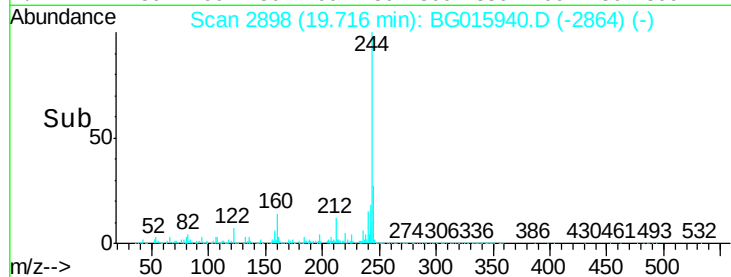
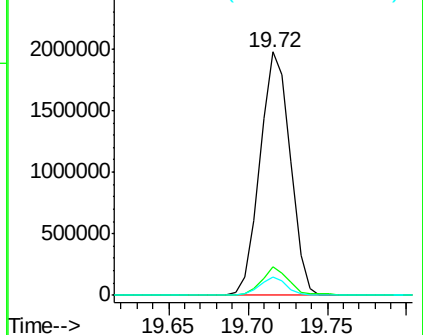
122 7.3 7.0 10.4



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: 23.52 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BG015940.D

Acq: 27 Jan 2015 10:18

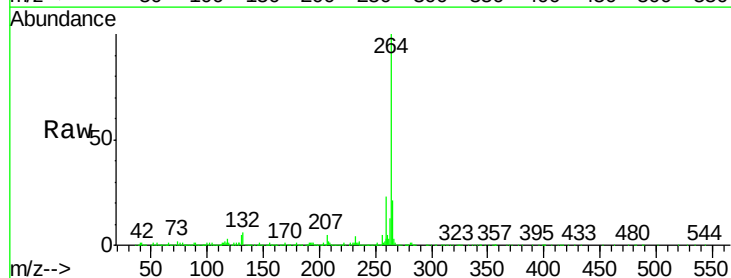
Tgt Ion:264 Resp: 1015630

Ion Ratio Lower Upper

264 100

260 23.0 19.7 29.5

265 21.5 17.3 25.9



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

