

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072316\
 Data File : BG023233.D
 Acq On : 23 Jul 2016 2:48
 Operator : UM/SJ
 Sample : H4131-28
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-15

Quant Time: Jul 23 04:30:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:46:37 2016
 Response via : Initial Calibration

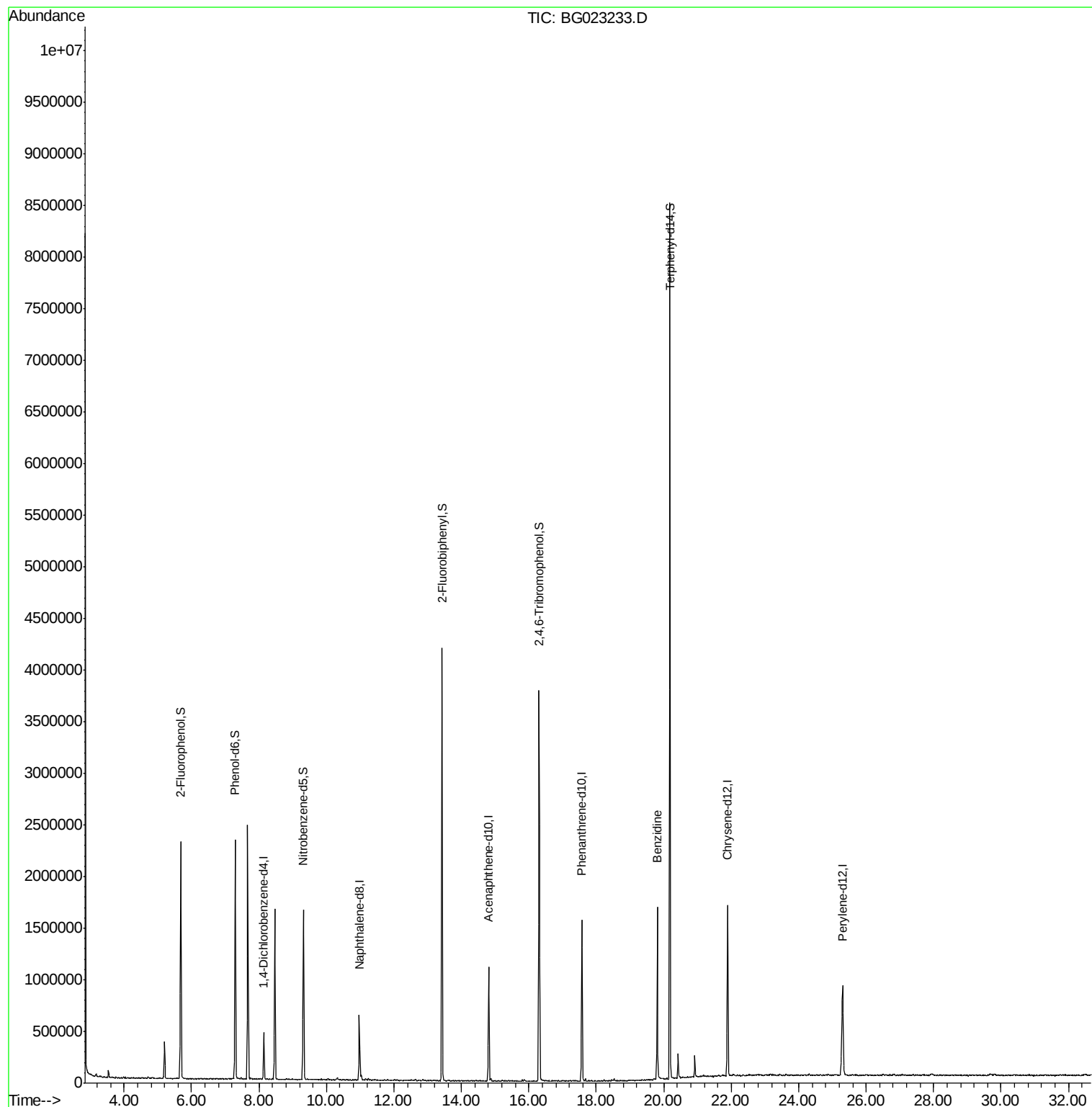
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	110460	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	509685	20.00	ng	0.00
38) Acenaphthene-d10	14.81	164	365129	20.00	ng	0.01
63) Phenanthrene-d10	17.57	188	933763	20.00	ng	0.02
75) Chrysene-d12	21.89	240	992827	20.00	ng	0.01
86) Perylene-d12	25.30	264	963622	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	892827	132.19	ng	0.00
7) Phenol-d6	7.29	99	1255584	118.70	ng	0.00
23) Nitrobenzene-d5	9.32	82	1037478	87.16	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	616803	93.99	ng	0.01
44) 2-Fluorobiphenyl	13.43	172	1924612	83.03	ng	0.01
78) Terphenyl-d14	20.18	244	2858732	95.87	ng	0.02
Target Compounds						
76) Benzidine	19.81	184	878933	30.88	ng	Qvalue 98

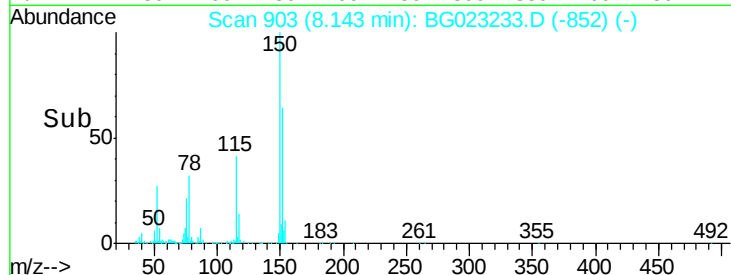
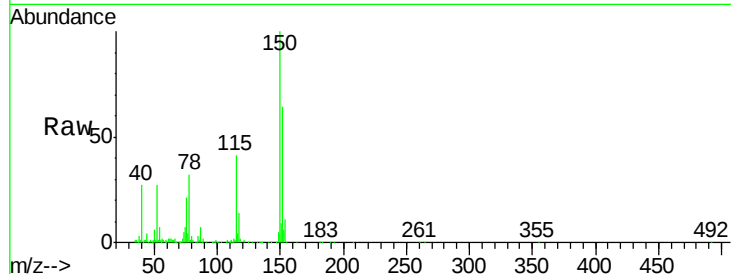
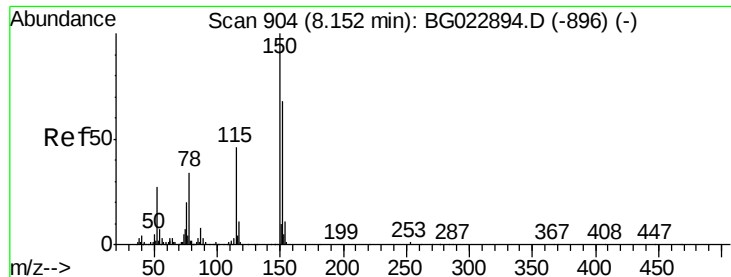
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 903

Delta R.T. -0.00 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

Instrument :

BNA_G

ClientSampled :

D-15

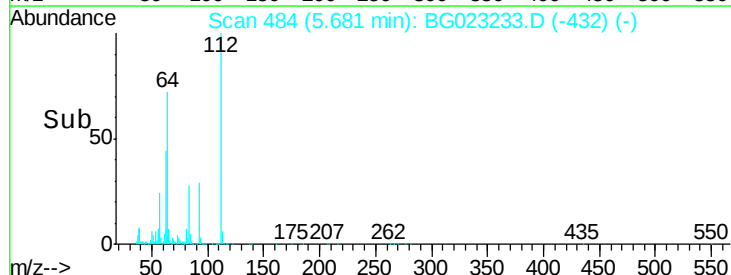
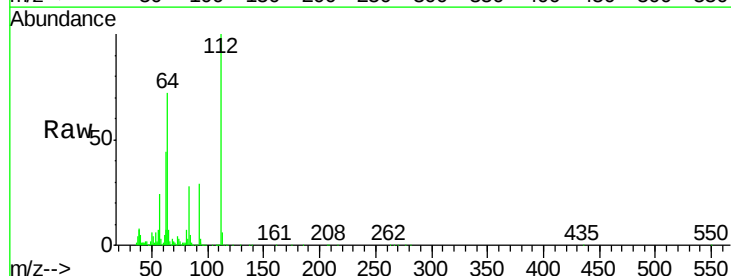
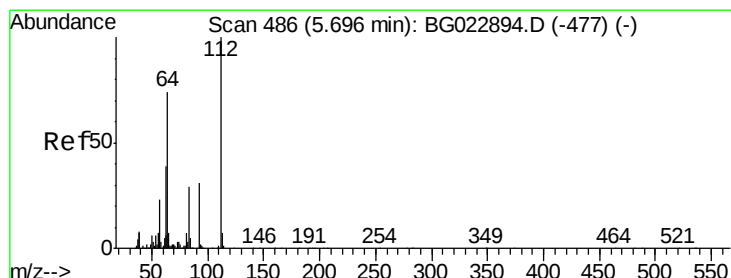
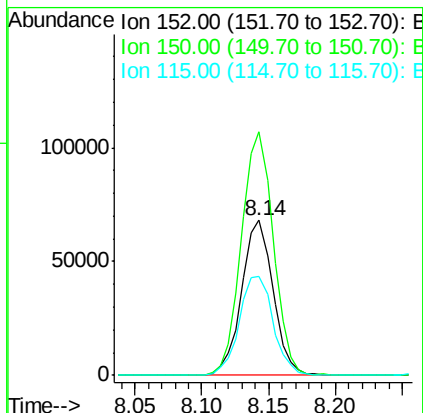
Tgt Ion:152 Resp: 110460

Ion Ratio Lower Upper

152 100

150 157.0 144.7 217.1

115 63.8 64.0 96.0#



#5

2-Fluorophenol

Concen: 132.19 ng

RT: 5.68 min Scan# 484

Delta R.T. 0.01 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

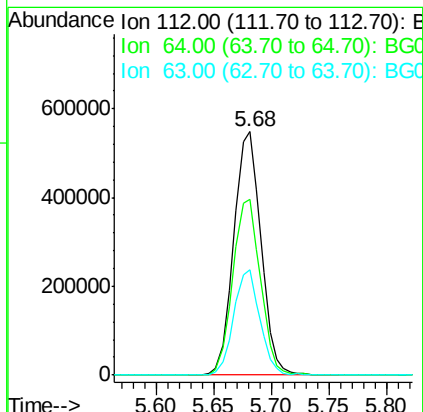
Tgt Ion:112 Resp: 892827

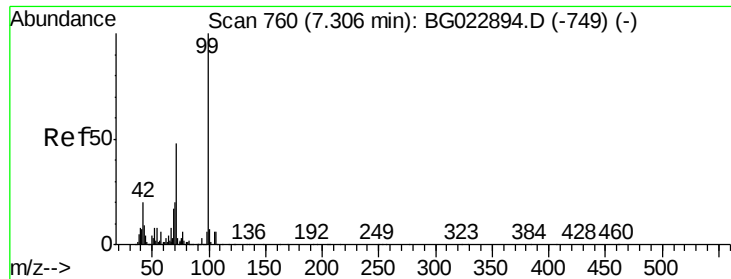
Ion Ratio Lower Upper

112 100

64 72.0 59.0 88.4

63 43.5 37.8 56.8





#7

Phenol-d6

Concen: 118.70 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

Instrument :

BNA_G

ClientSampleId :

D-15

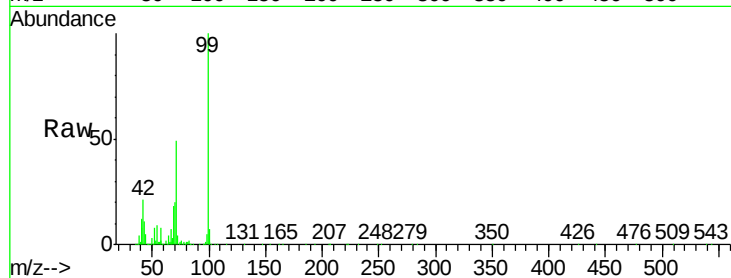
Tgt Ion: 99 Resp: 1255584

Ion Ratio Lower Upper

99 100

42 21.4 17.8 26.6

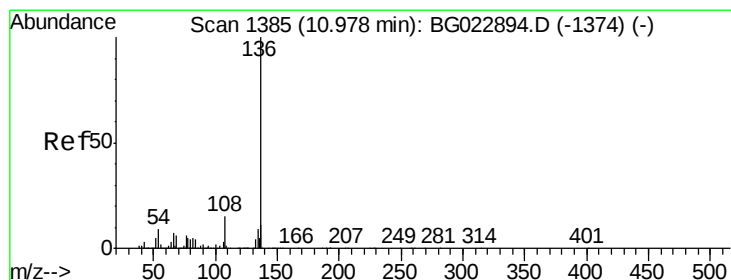
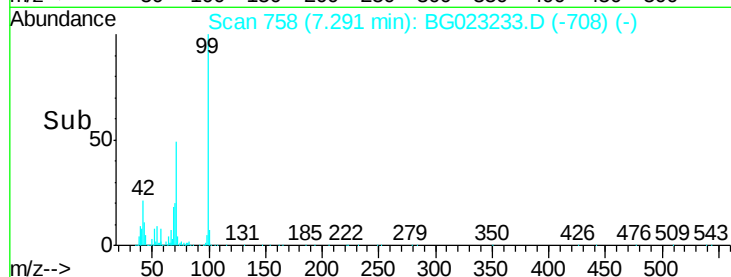
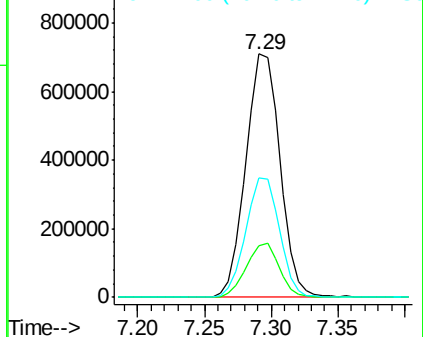
71 49.1 41.5 62.3



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: 10.98 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

Tgt Ion: 136 Resp: 509685

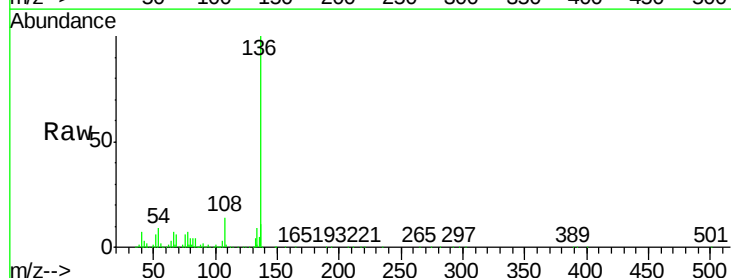
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 8.5 7.3 10.9

68 6.4 5.3 7.9

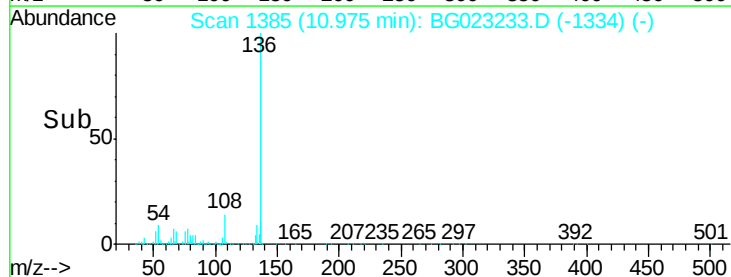
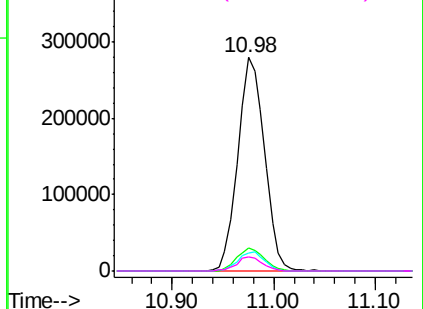


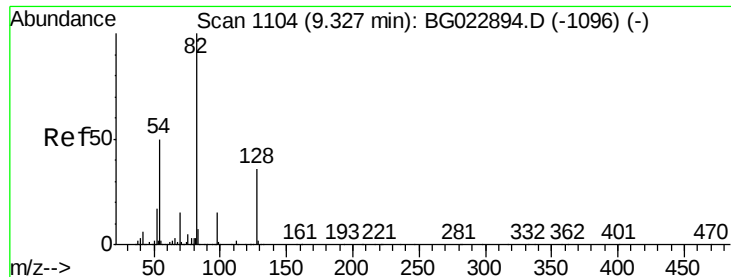
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

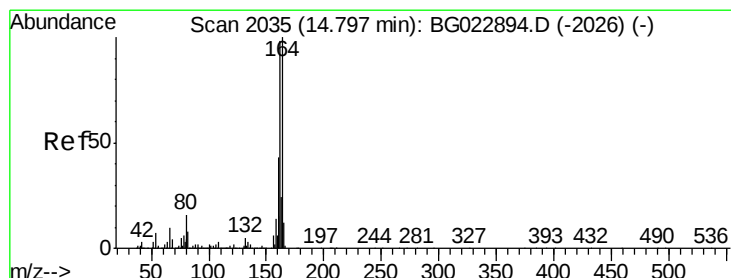
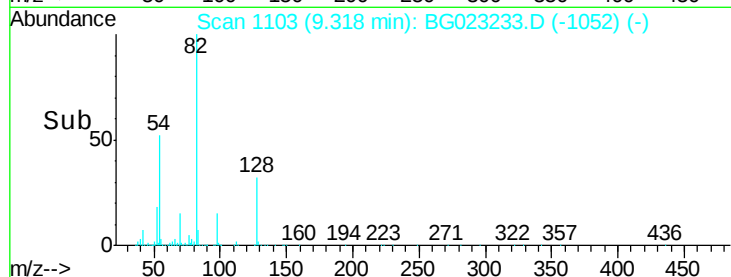
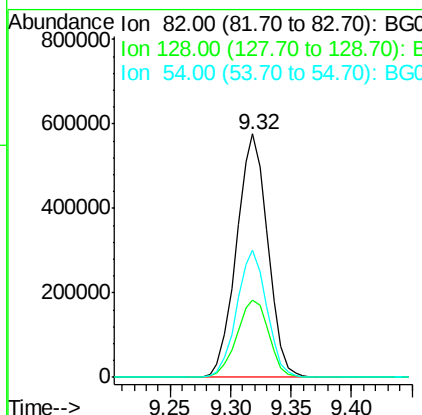
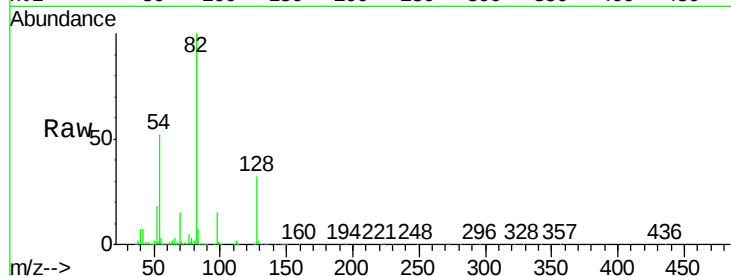




#23
 Nitrobenzene-d5
 Concen: 87.16 ng
 RT: 9.32 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: BG023233.D
 Acq: 23 Jul 2016 2:48

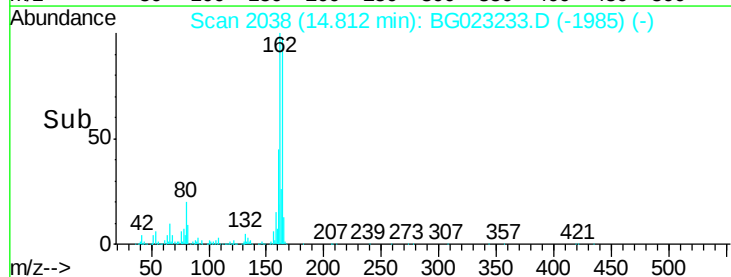
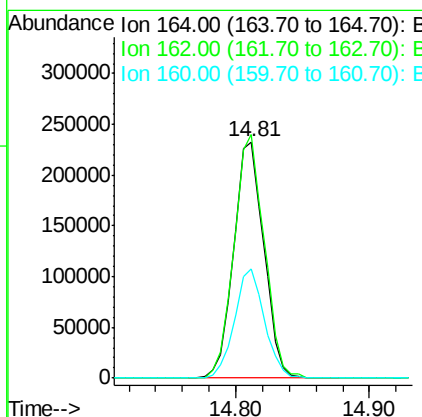
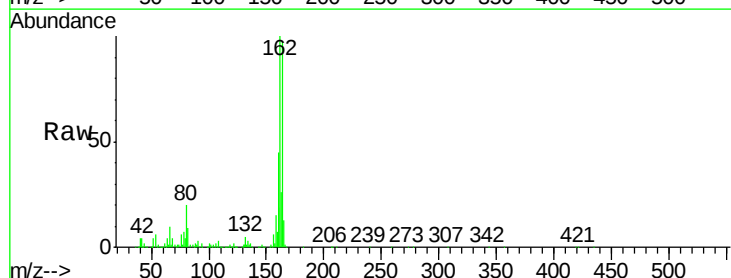
Instrument :
 BNA_G
 ClientSampleId :
 D-15

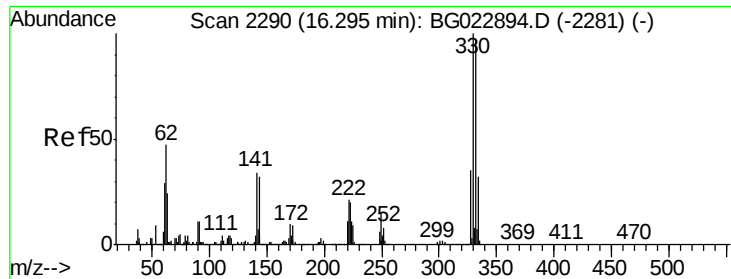
Tgt Ion: 82 Resp: 1037478
 Ion Ratio Lower Upper
 82 100
 128 31.6 24.4 36.6
 54 52.1 41.4 62.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2038
 Delta R.T. 0.01 min
 Lab File: BG023233.D
 Acq: 23 Jul 2016 2:48

Tgt Ion: 164 Resp: 365129
 Ion Ratio Lower Upper
 164 100
 162 103.0 87.7 131.5
 160 46.2 37.2 55.8

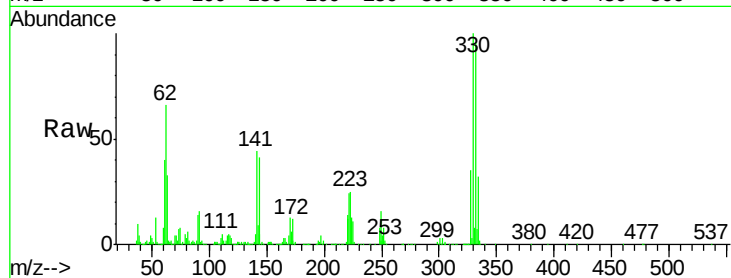




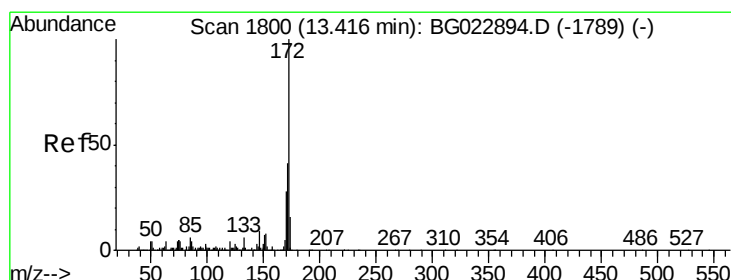
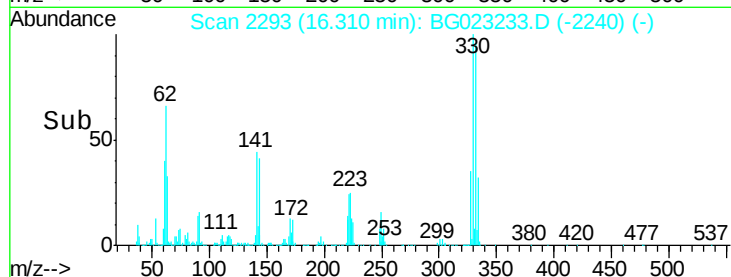
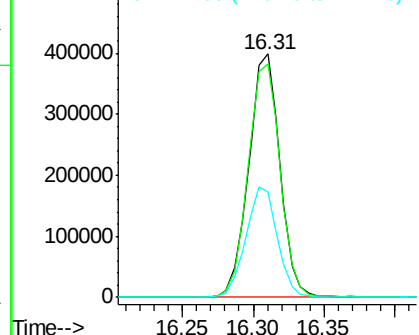
#41
 2,4,6-Tribromophenol
 Concen: 93.99 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BG023233.D
 Acq: 23 Jul 2016 2:48

Instrument :
 BNA_G
 ClientSampleId :
 D-15

Tgt Ion:330 Resp: 616803
 Ion Ratio Lower Upper
 330 100
 332 99.0 77.4 116.2
 141 46.0 31.7 47.5

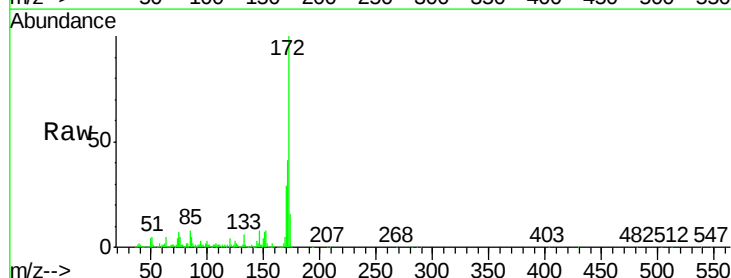


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

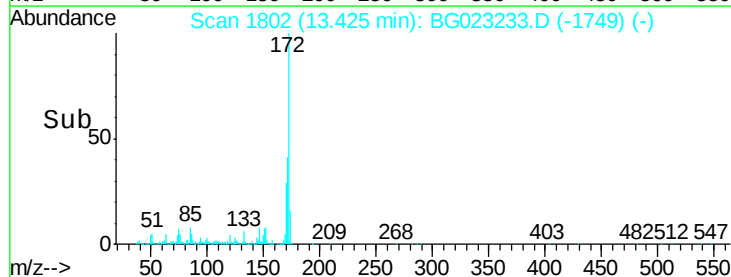
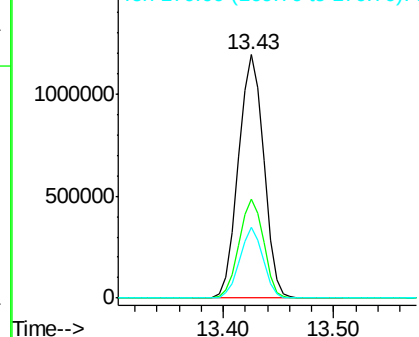


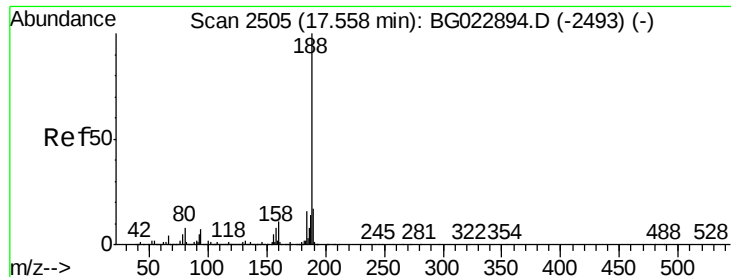
#44
 2-Fluorobiphenyl
 Concen: 83.03 ng
 RT: 13.43 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: BG023233.D
 Acq: 23 Jul 2016 2:48

Tgt Ion:172 Resp: 1924612
 Ion Ratio Lower Upper
 172 100
 171 40.7 31.6 47.4
 170 29.1 21.3 31.9



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.57 min Scan# 2508

Delta R.T. 0.02 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

Instrument :

BNA_G

ClientSampleId :

D-15

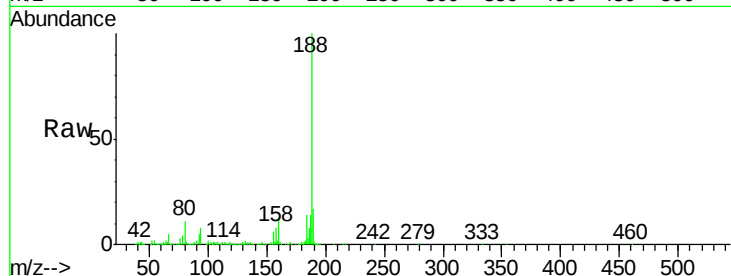
Tgt Ion:188 Resp: 933763

Ion Ratio Lower Upper

188 100

94 8.1 5.2 7.8#

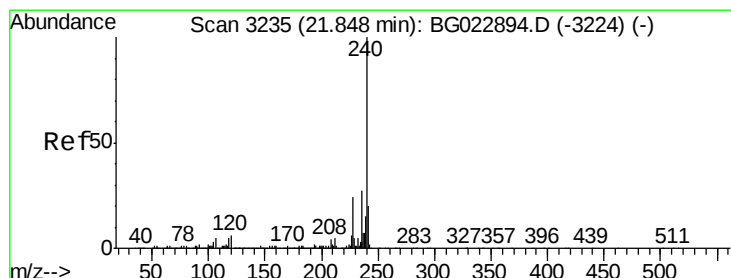
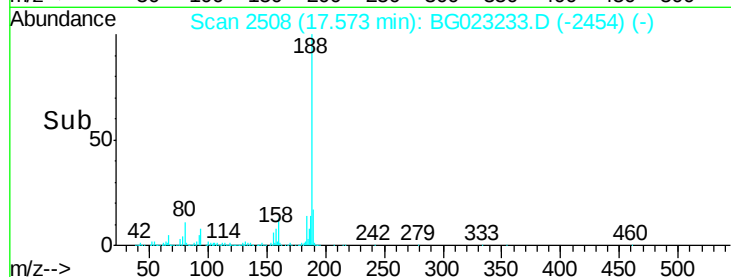
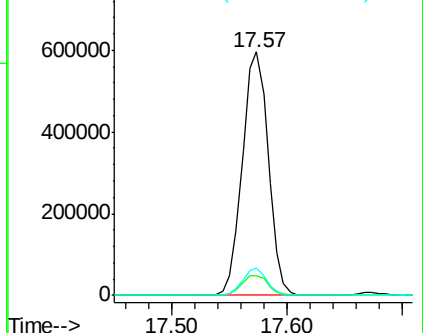
80 11.2 7.2 10.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. 0.01 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

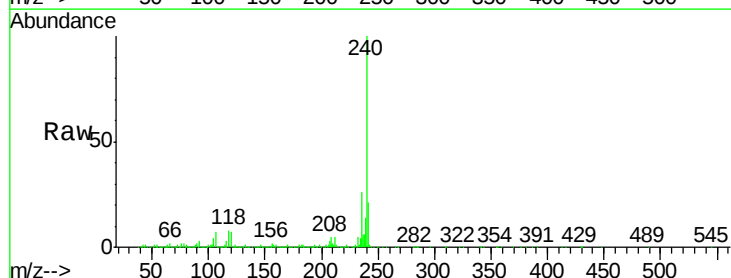
Tgt Ion:240 Resp: 992827

Ion Ratio Lower Upper

240 100

120 6.8 4.1 6.1#

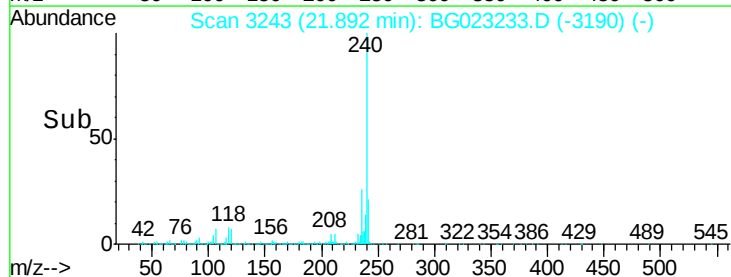
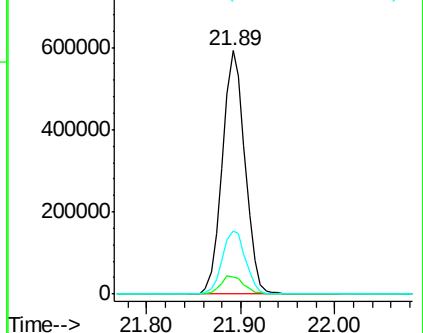
236 25.7 21.1 31.7

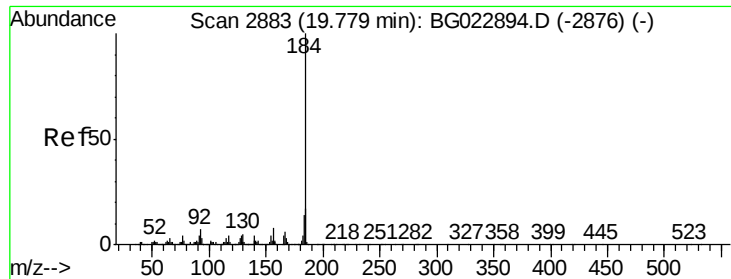


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

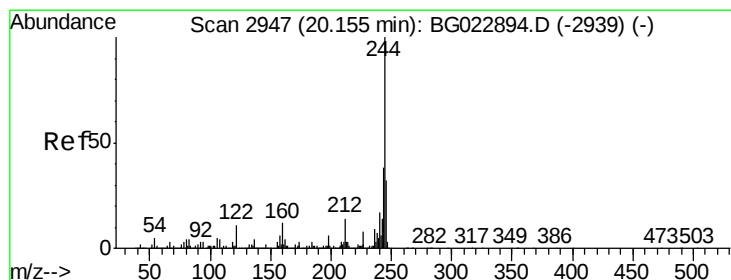
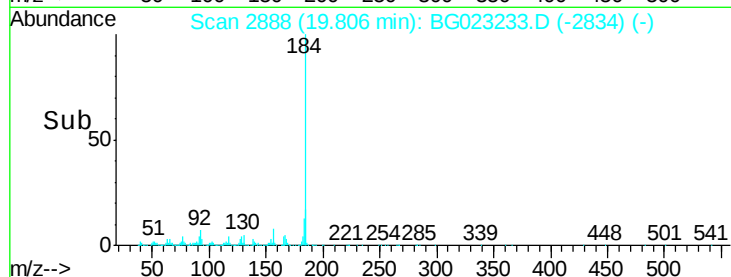
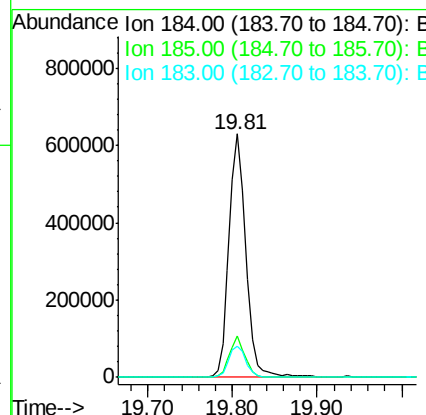
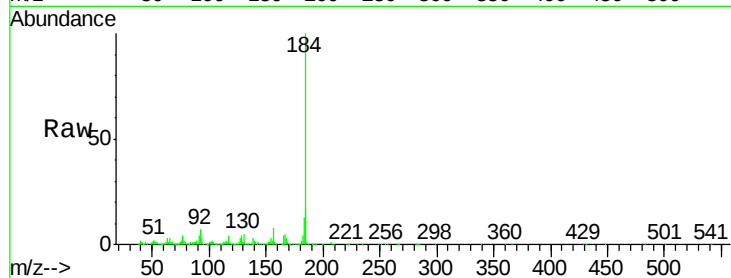




#76
Benzidine
Concen: 30.88 ng
RT: 19.81 min Scan# 2888
Delta R.T. 0.02 min
Lab File: BG023233.D
Acq: 23 Jul 2016 2:48

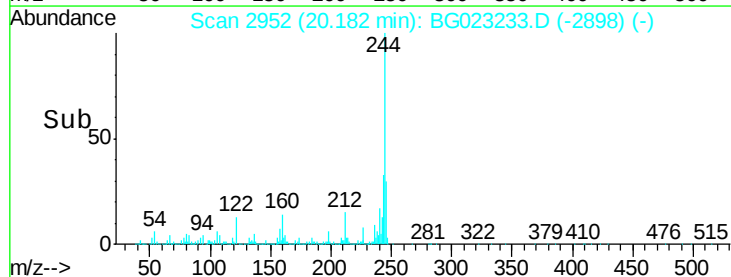
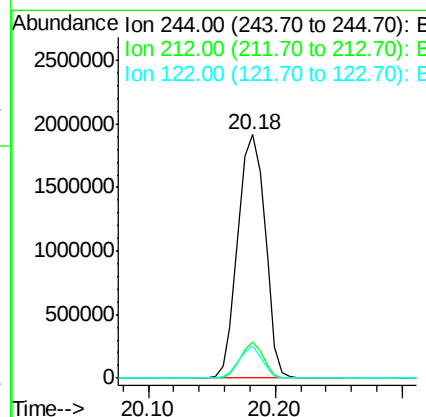
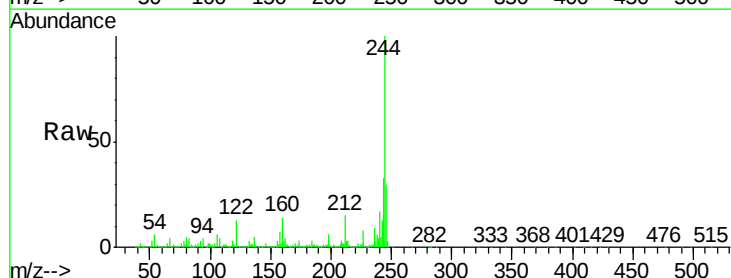
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D-15

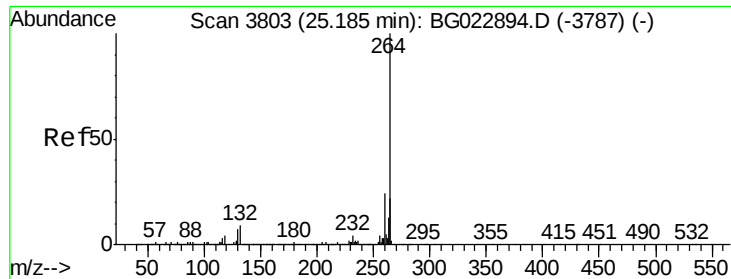
Tgt Ion:184 Resp: 878933
Ion Ratio Lower Upper
184 100
185 16.8 12.6 19.0
183 12.8 10.7 16.1



#78
Terphenyl-d14
Concen: 95.87 ng
RT: 20.18 min Scan# 2952
Delta R.T. 0.02 min
Lab File: BG023233.D
Acq: 23 Jul 2016 2:48

Tgt Ion:244 Resp: 2858732
Ion Ratio Lower Upper
244 100
212 14.9 10.8 16.2
122 13.5 8.0 12.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 25.30 min Scan# 3823

Delta R.T. 0.03 min

Lab File: BG023233.D

Acq: 23 Jul 2016 2:48

Instrument :

BNA_G

ClientSampleId :

D-15

Tgt Ion: 264 Resp: 963622

Ion Ratio Lower Upper

264 100

260 25.6 18.4 27.6

265 23.3 18.9 28.3

