

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
 Data File : BG024705.D
 Acq On : 5 Nov 2016 10:09
 Operator : UM/SJ
 Sample : H5509-23
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-93-8.45-17.0

Quant Time: Nov 07 00:04:21 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 26 11:14:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	119176	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	496314	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	349693	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	798322	20.00	ng	0.00
75) Chrysene-d12	21.92	240	1123270	20.00	ng	0.00
86) Perylene-d12	25.35	264	1183655	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.80	112	509917	70.13	ng	0.00
7) Phenol-d6	7.40	99	464022	46.52	ng	0.00
23) Nitrobenzene-d5	9.44	82	956468	87.74	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	759155	145.31	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	1941575	92.28	ng	0.00
78) Terphenyl-d14	20.21	244	2977161	79.20	ng	0.00

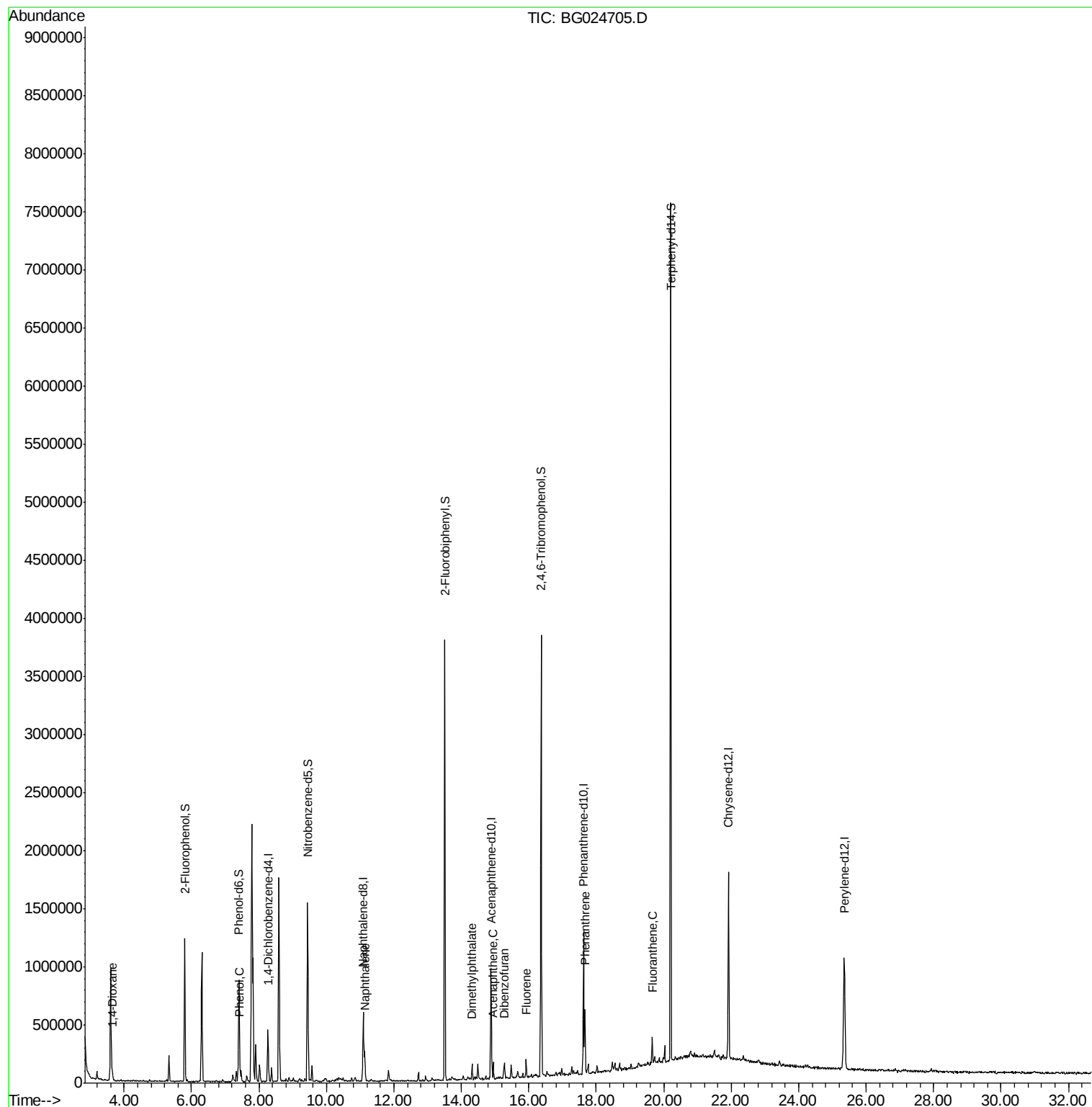
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	16524	5.56	ng	# 66
10) Phenol	7.43	94	30530	2.97	ng	86
31) Naphthalene	11.15	128	84145	3.40	ng	99
49) Dimethylphthalate	14.32	163	90555	3.65	ng	# 94
51) Acenaphthene	14.95	154	54810	2.59	ng	89
54) Dibenzofuran	15.28	168	79630	2.73	ng	# 97
57) Fluorene	15.92	166	67357	2.78	ng	# 85
70) Phenanthrene	17.67	178	358591	8.81	ng	# 89
74) Fluoranthene	19.66	202	142166	2.76	ng	92

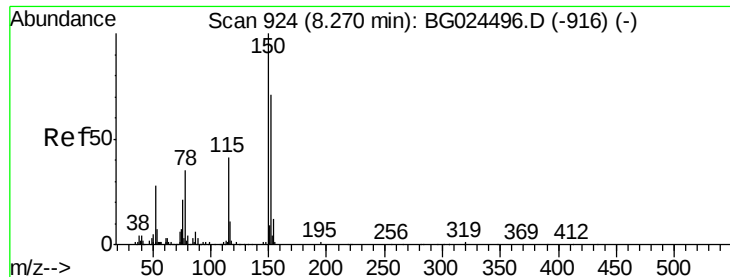
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

BNA_G

ClientSampleId :

GW-93-8.45-17.0

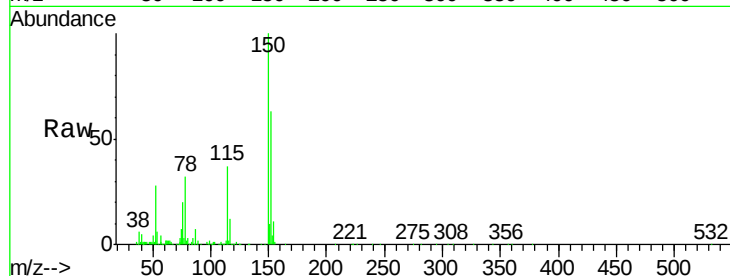
Tot Ion:152 Resp: 119176

Ion Ratio Lower Upper

152 100

150 157.9 114.0 171.0

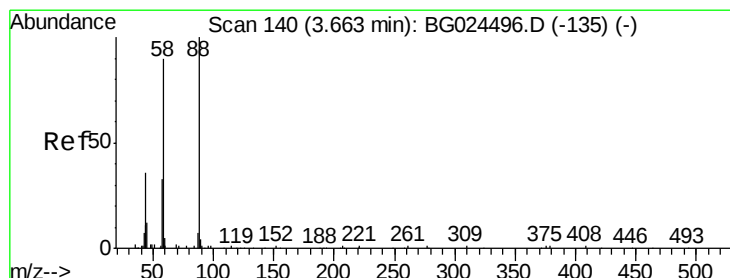
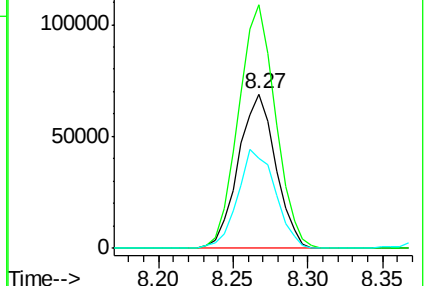
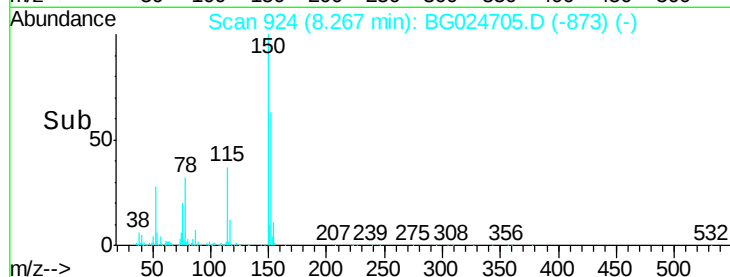
115 58.5 48.1 72.1



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



#2

1,4-Dioxane

Concen: 5.56 ng

RT: 3.66 min Scan# 139

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

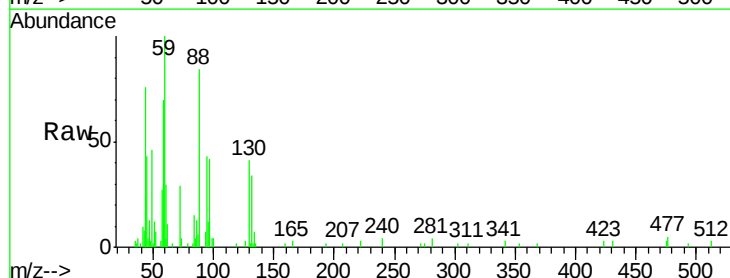
Tgt Ion: 88 Resp: 16524

Ion Ratio Lower Upper

88 100

58 82.8 79.4 119.2

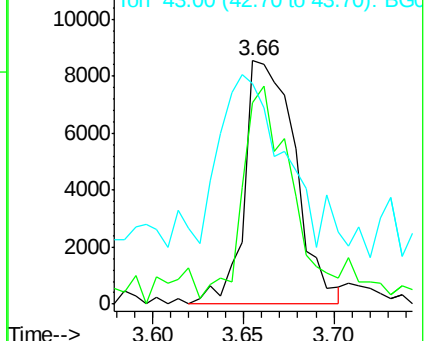
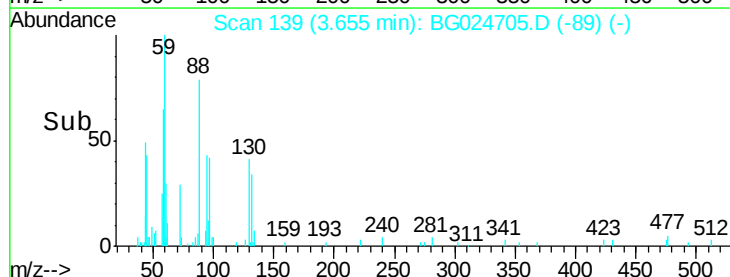
43 89.8 33.8 50.6#

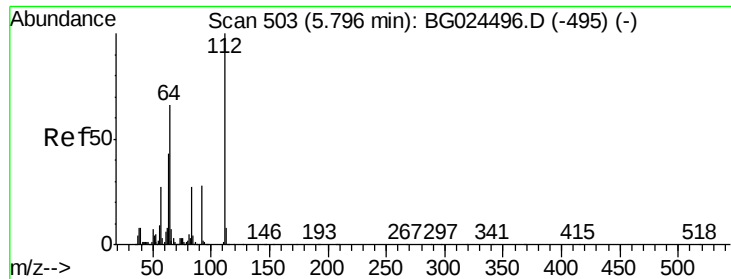


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 70.13 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

BNA_G

ClientSampleId :

GW-93-8.45-17.0

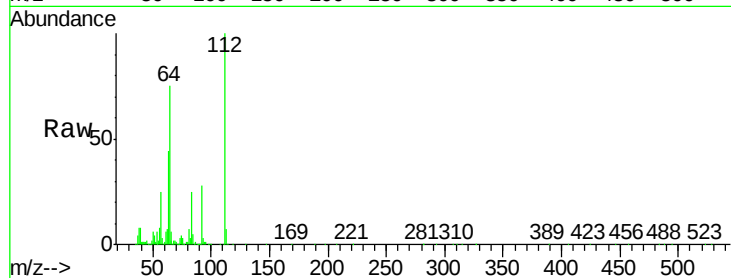
Tot Ion:112 Resp: 509917

Ion Ratio Lower Upper

112 100

64 75.1 61.8 92.6

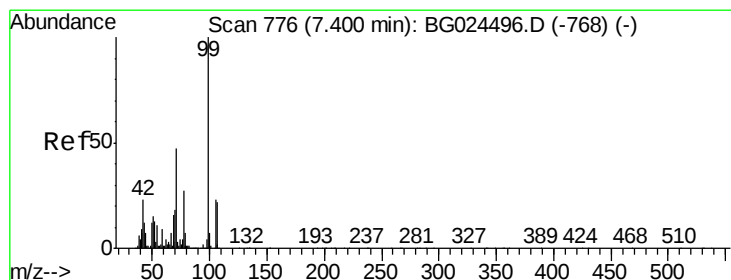
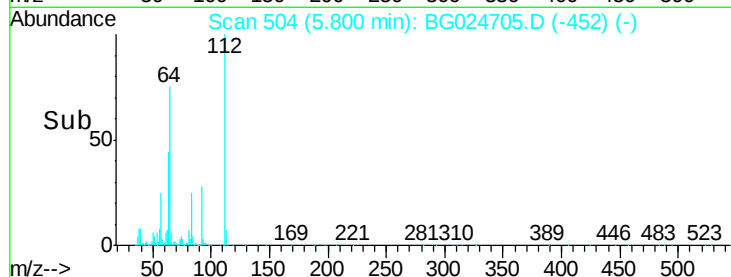
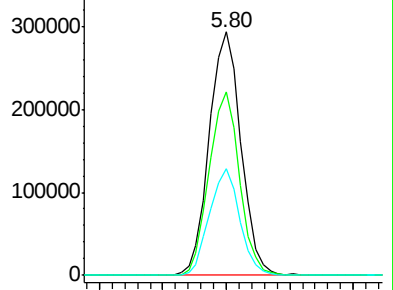
63 43.6 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 46.52 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

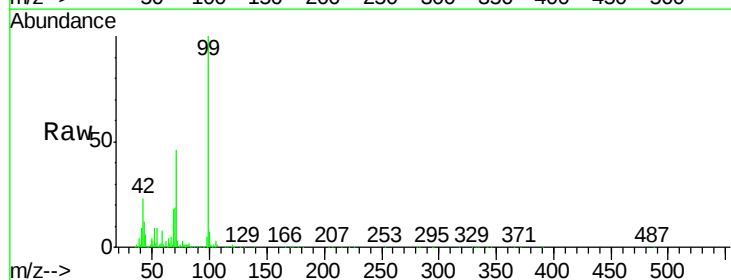
Tgt Ion: 99 Resp: 464022

Ion Ratio Lower Upper

99 100

42 23.0 20.5 30.7

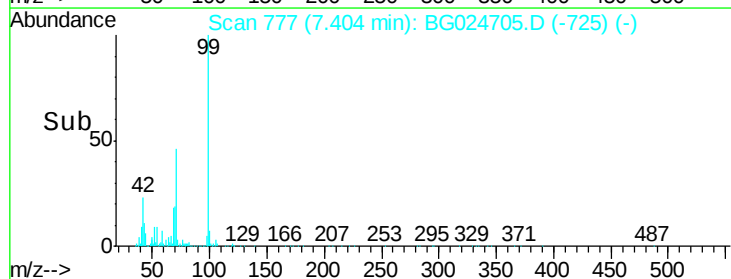
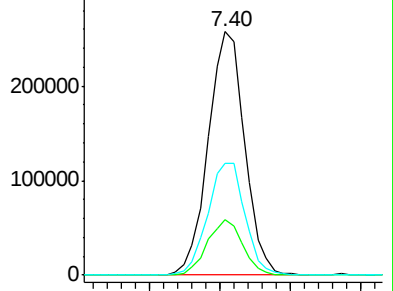
71 46.1 37.6 56.4

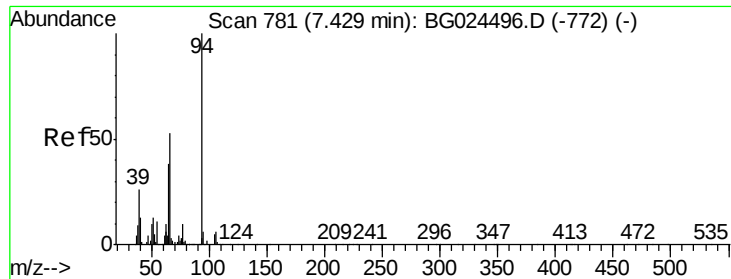


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.97 ng

RT: 7.43 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

BNA_G

ClientSampleId :

GW-93-8.45-17.0

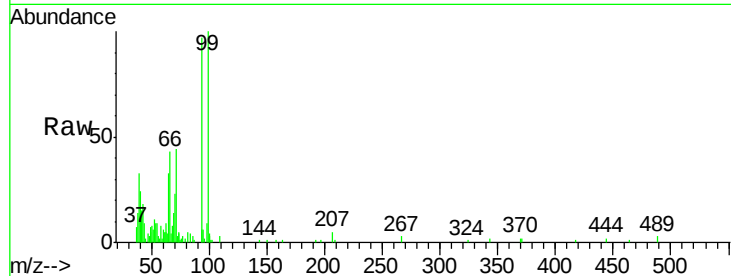
Tot Ion: 94 Resp: 30530

Ion Ratio Lower Upper

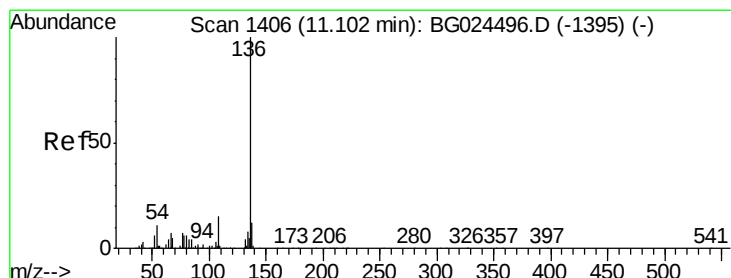
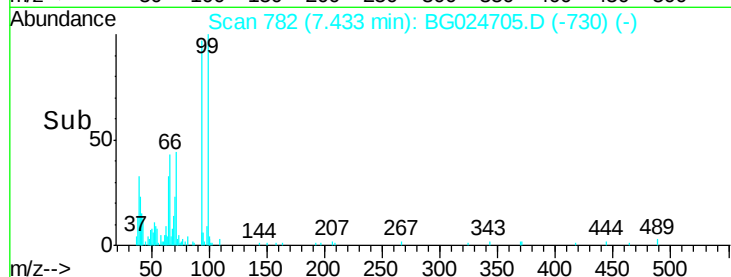
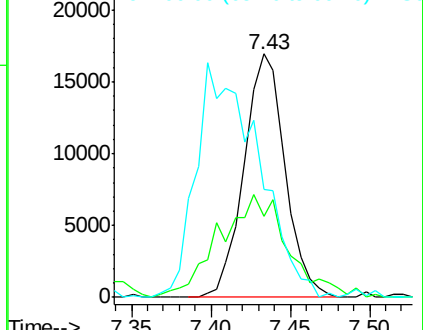
94 100

65 33.5 20.6 60.6

66 44.2 35.5 75.5



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: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Tgt Ion: 136 Resp: 496314

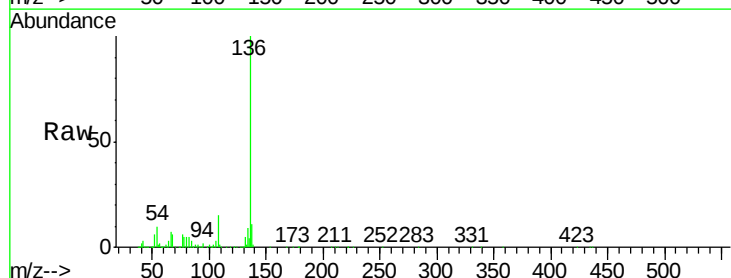
Ion Ratio Lower Upper

136 100

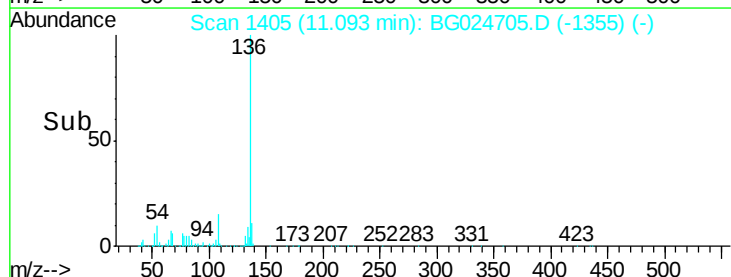
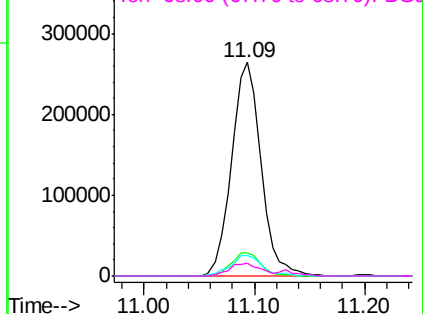
137 10.8 8.9 13.3

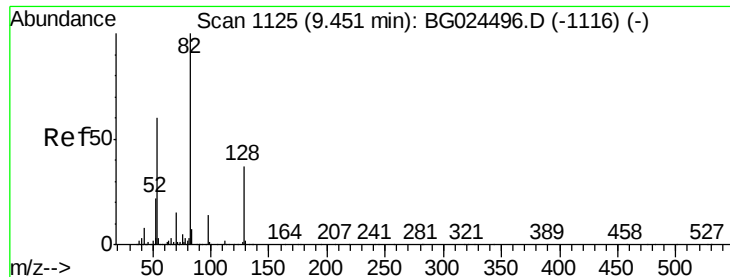
54 9.9 9.3 13.9

68 5.8 5.1 7.7



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

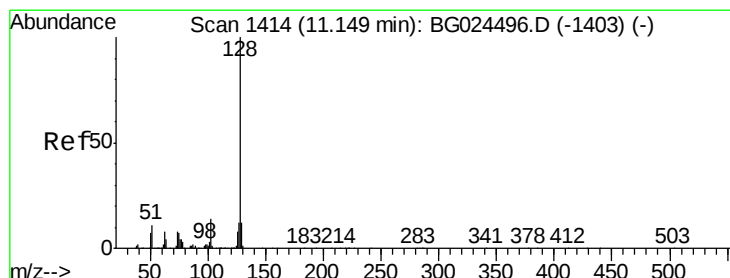
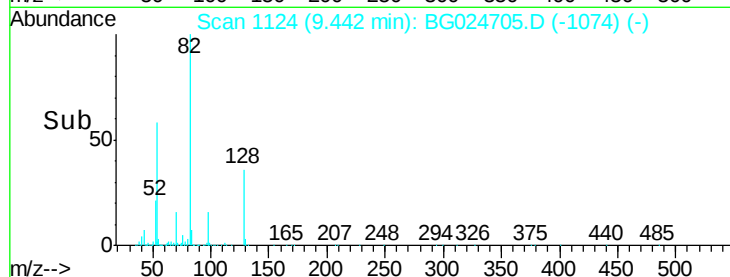
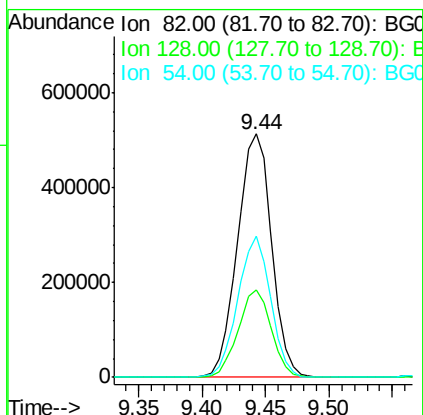
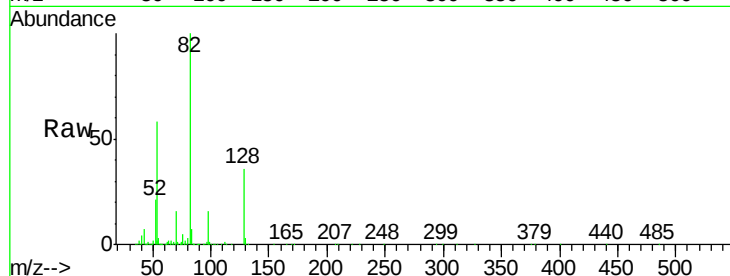




#23
Nitrobenzene-d5
Concen: 87.74 ng
RT: 9.44 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

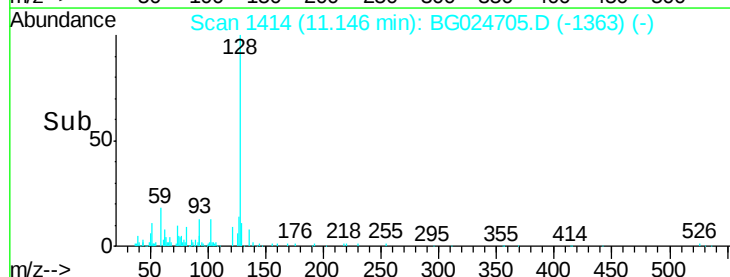
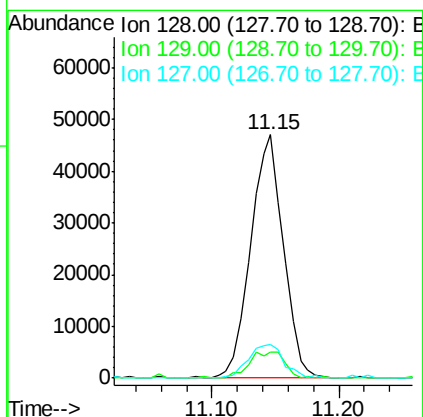
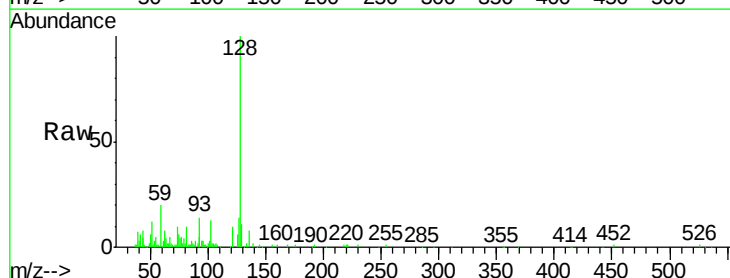
Instrument :
BNA_G
ClientSampleId :
GW-93-8.45-17.0

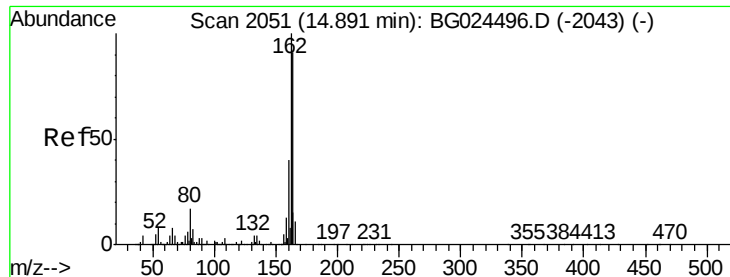
Tot Ion: 82 Resp: 956468
Ion Ratio Lower Upper
82 100
128 36.1 26.4 39.6
54 57.8 49.4 74.2



#31
Naphthalene
Concen: 3.40 ng
RT: 11.15 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

Tgt Ion: 128 Resp: 84145
Ion Ratio Lower Upper
128 100
129 10.6 9.3 13.9
127 14.1 11.4 17.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

BNA_G

ClientSampleId :

GW-93-8.45-17.0

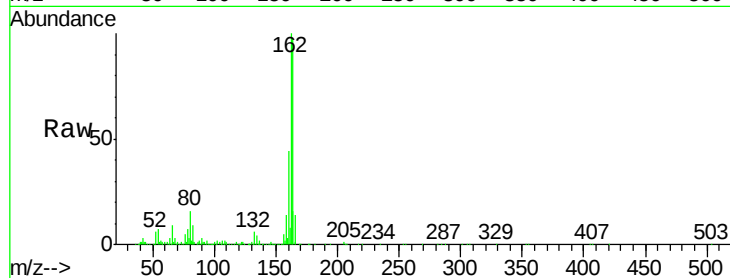
Tot Ion:164 Resp: 349693

Ion Ratio Lower Upper

164 100

162 103.4 85.1 127.7

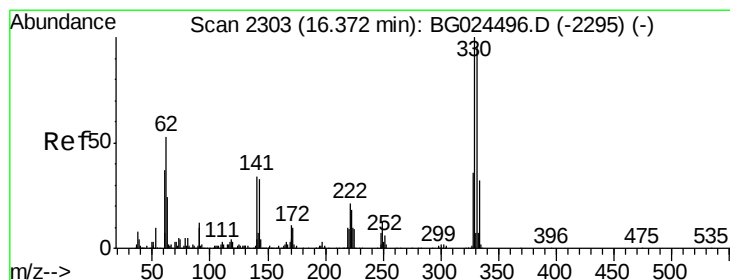
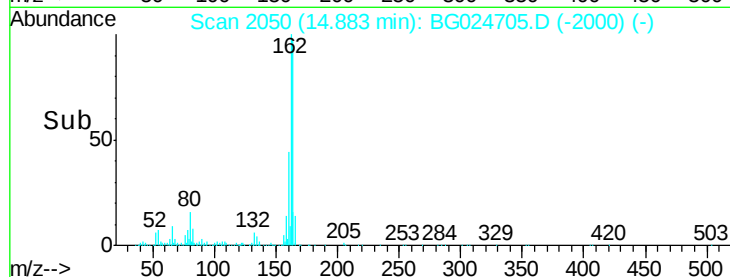
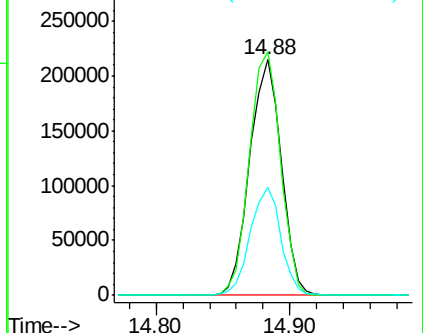
160 45.9 34.7 52.1



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: 145.31 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

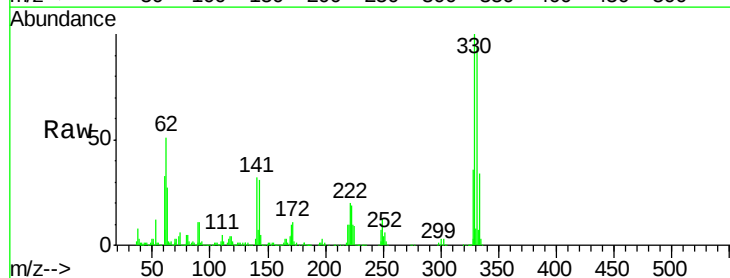
Tgt Ion:330 Resp: 759155

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

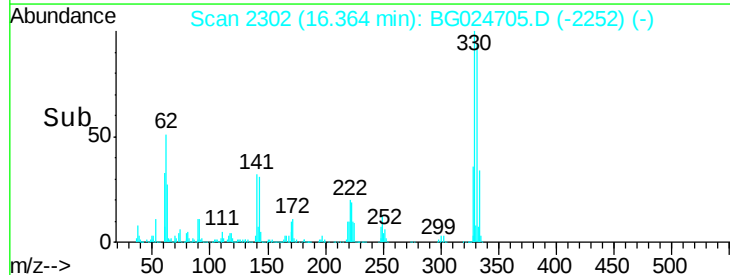
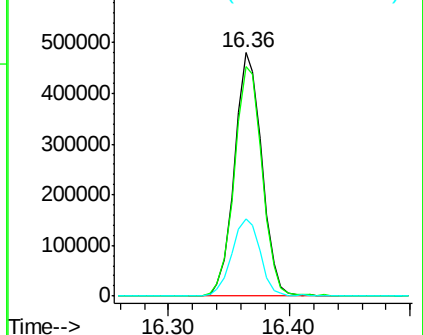
141 33.2 32.1 48.1

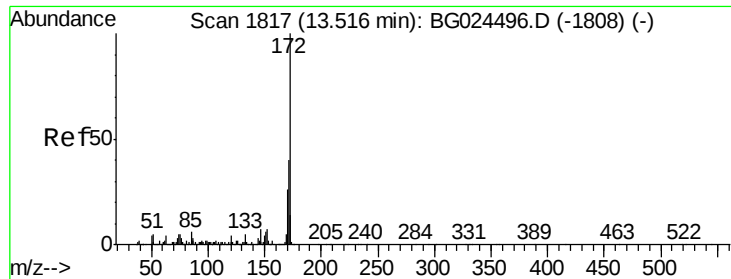


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

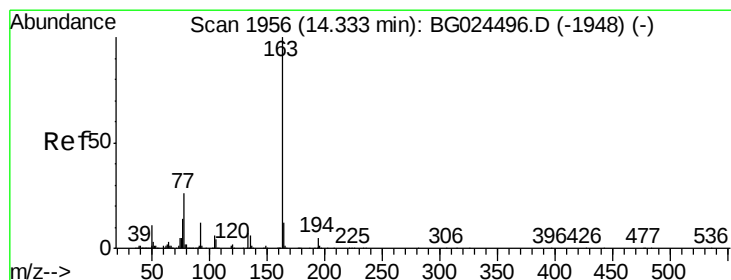
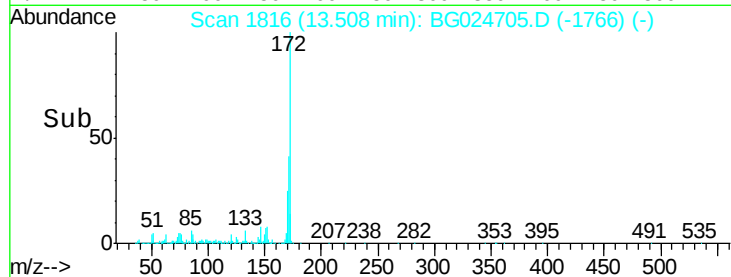
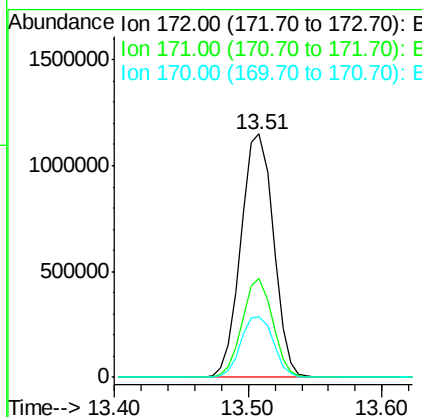
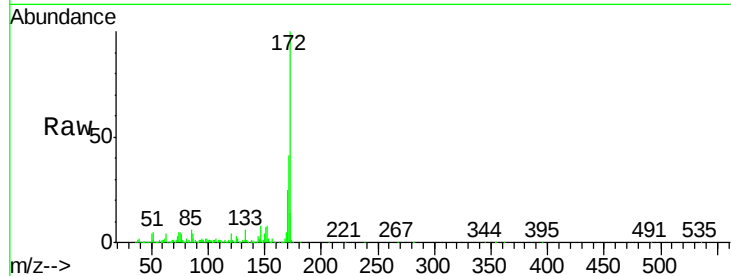




#44
2-Fluorobiphenyl
Concen: 92.28 ng
RT: 13.51 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

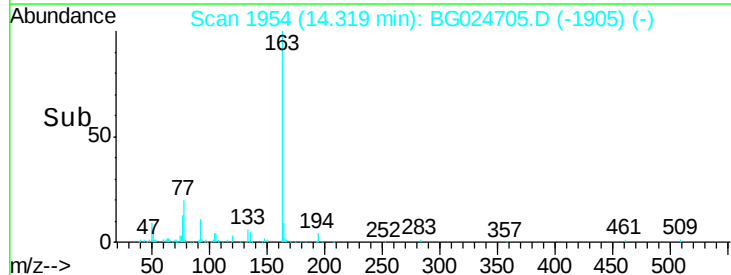
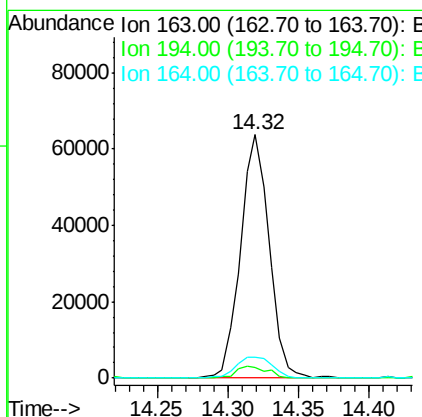
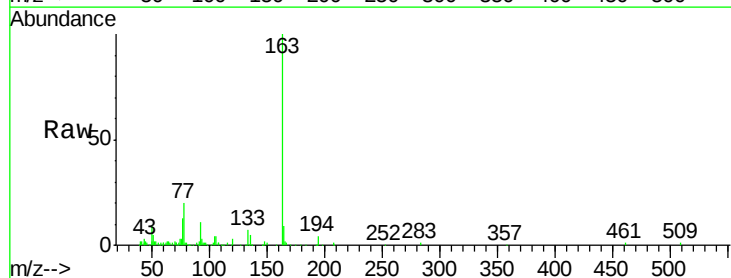
Instrument :
BNA_G
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GW-93-8.45-17.0

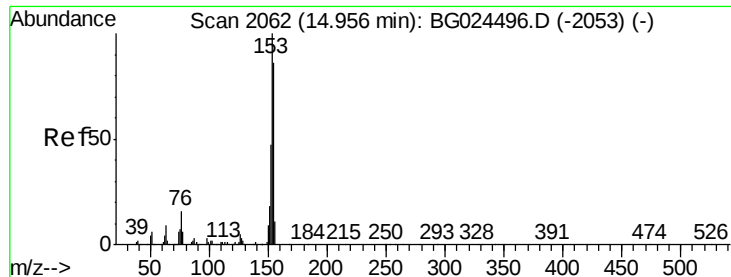
Tot Ion:172 Resp: 1941575
Ion Ratio Lower Upper
172 100
171 40.7 32.2 48.2
170 25.1 21.8 32.6



#49
Dimethylphthalate
Concen: 3.65 ng
RT: 14.32 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

Tgt Ion:163 Resp: 90555
Ion Ratio Lower Upper
163 100
194 4.3 3.8 5.6
164 8.8 9.3 13.9#





#51

Acenaphthene

Concen: 2.59 ng

RT: 14.95 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

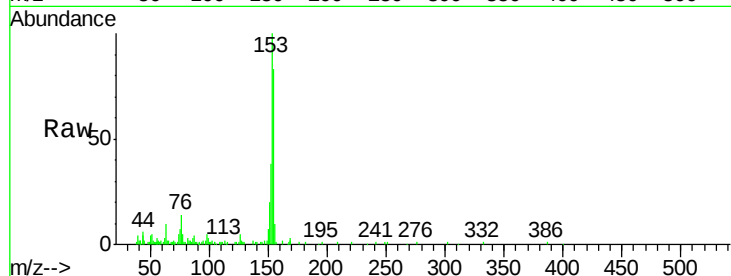
BNA_G

ClientSampleId :

GW-93-8.45-17.0

Tot Ion:154 Resp: 54810

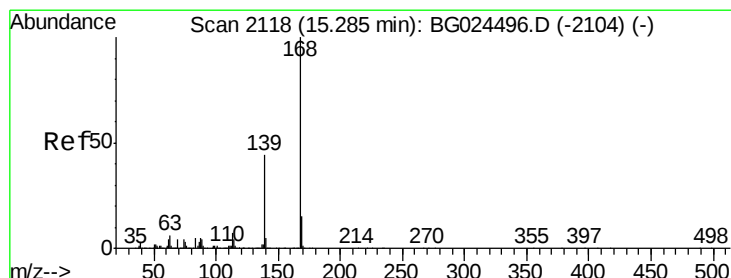
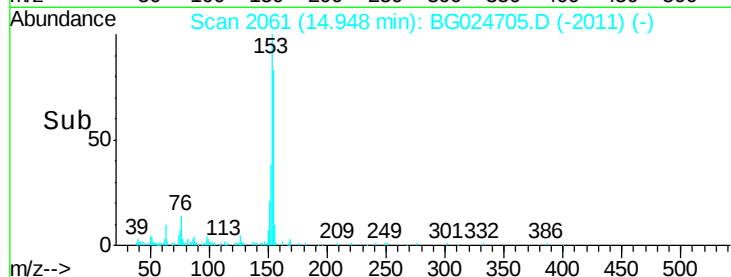
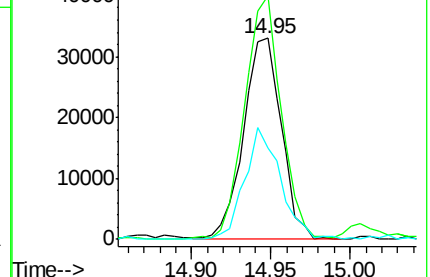
Ion	Ratio	Lower	Upper
154	100		
153	121.0	87.8	131.6
152	45.6	42.2	63.4



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



#54

Dibenzofuran

Concen: 2.73 ng

RT: 15.28 min Scan# 2117

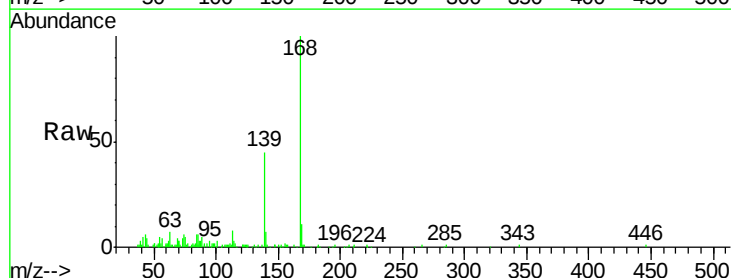
Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Tgt Ion:168 Resp: 79630

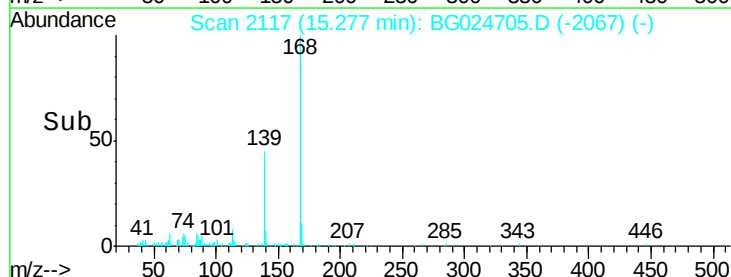
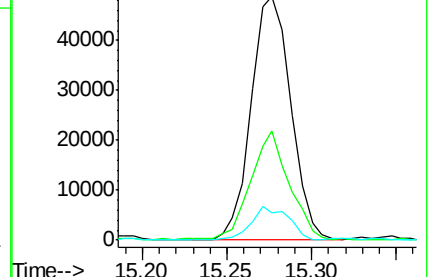
Ion	Ratio	Lower	Upper
168	100		
139	44.6	35.3	52.9
169	11.0	11.5	17.3#

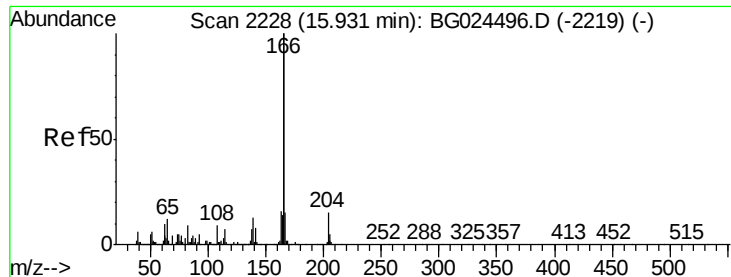


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 2.78 ng

RT: 15.92 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

BNA_G

ClientSampleId :

GW-93-8.45-17.0

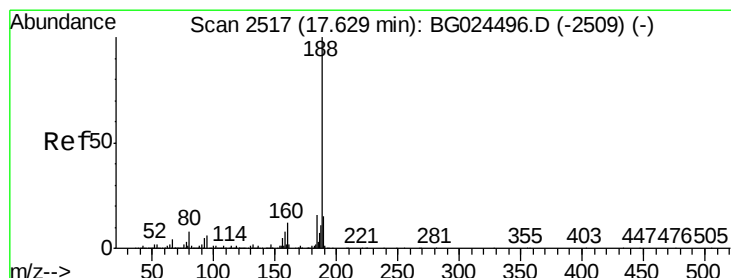
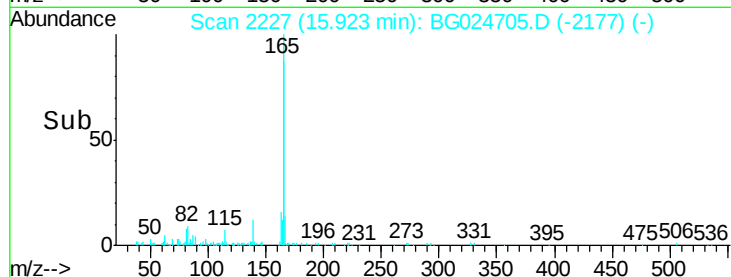
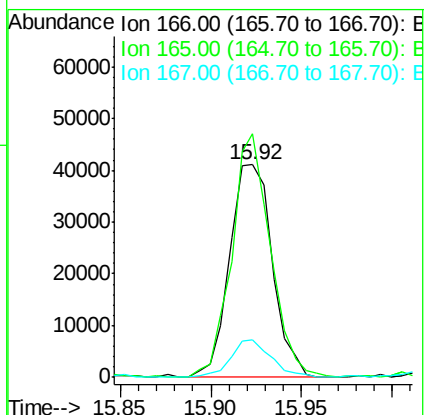
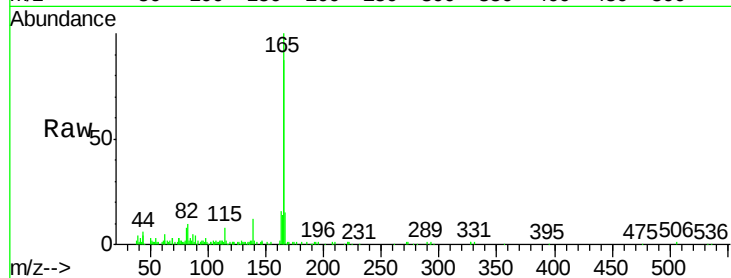
Tot Ion:166 Resp: 67357

Ion Ratio Lower Upper

166 100

165 114.7 78.6 117.8

167 17.4 11.6 17.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

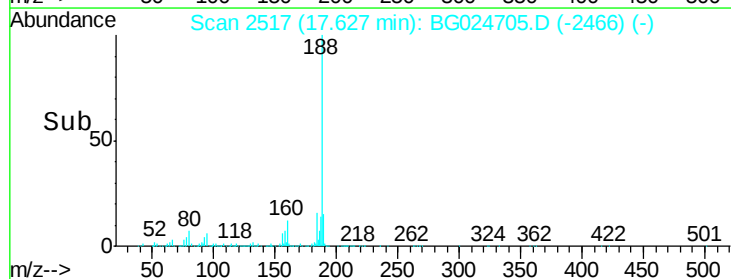
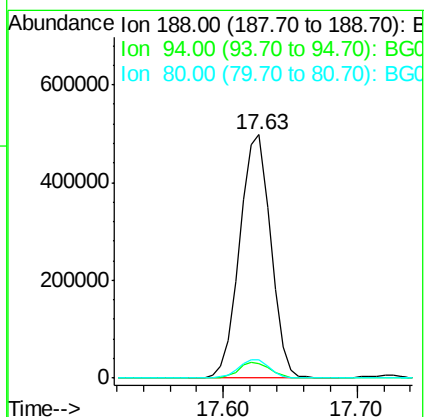
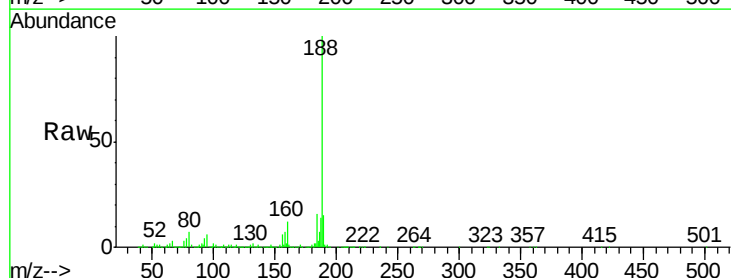
Tgt Ion:188 Resp: 798322

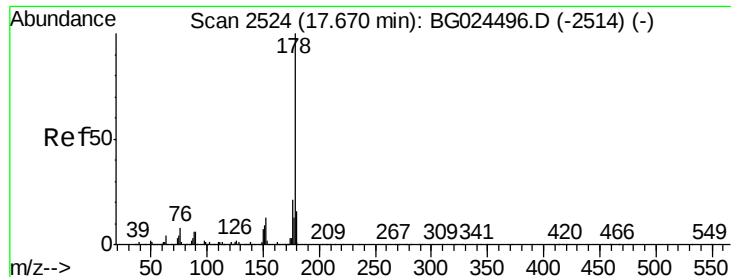
Ion Ratio Lower Upper

188 100

94 6.1 5.8 8.8

80 7.4 7.5 11.3#





#70

Phenanthrene

Concen: 8.81 ng

RT: 17.67 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

Instrument :

BNA_G

ClientSampleId :

GW-93-8.45-17.0

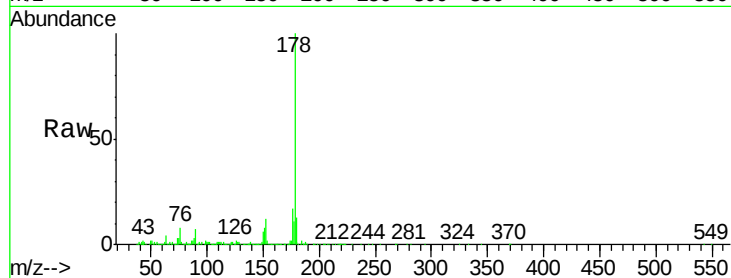
Tot Ion:178 Resp: 358591

Ion Ratio Lower Upper

178 100

176 17.1 17.7 26.5#

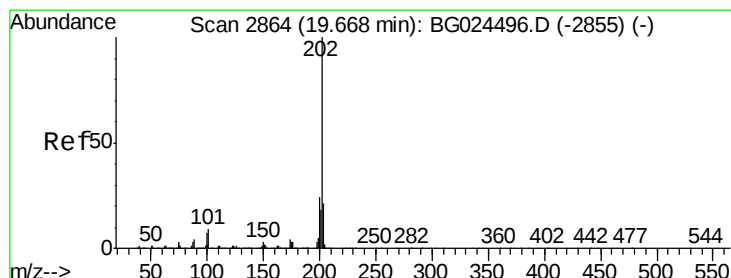
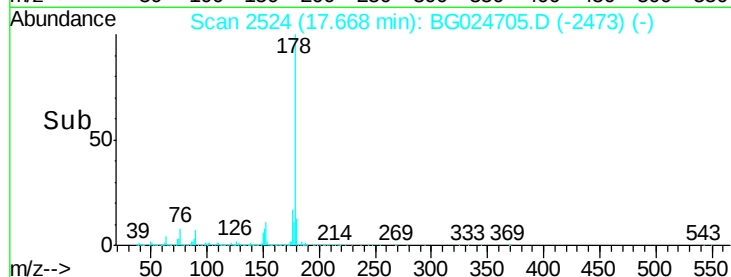
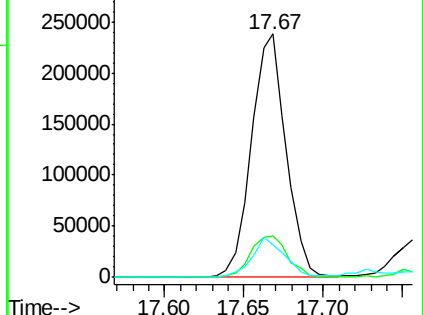
179 13.5 15.0 22.6#



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: 2.76 ng

RT: 19.66 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG024705.D

Acq: 5 Nov 2016 10:09

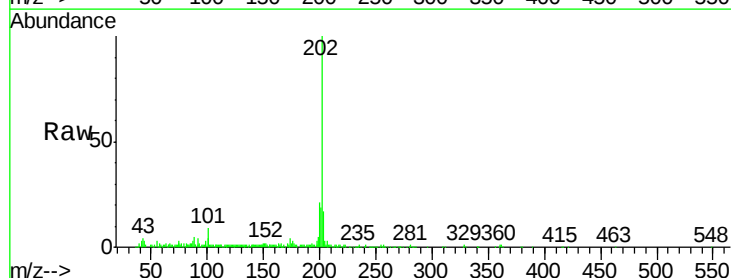
Tgt Ion:202 Resp: 142166

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.1

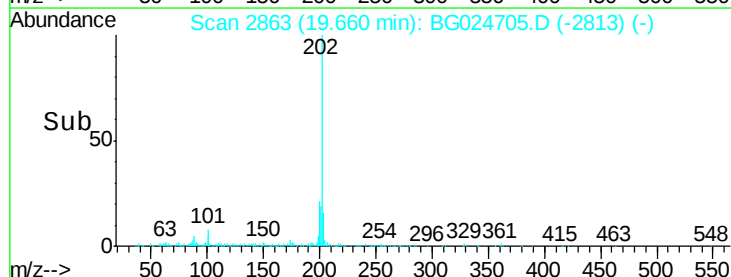
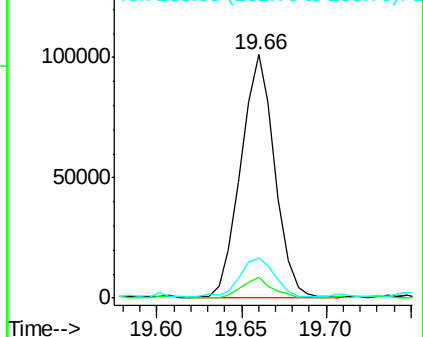
203 16.6 1.3 41.3

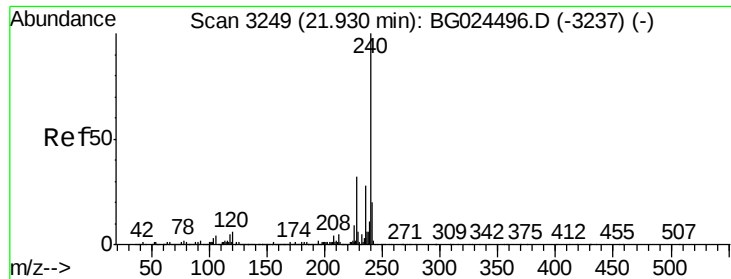


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

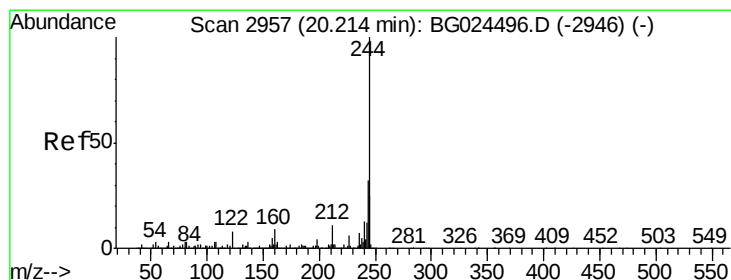
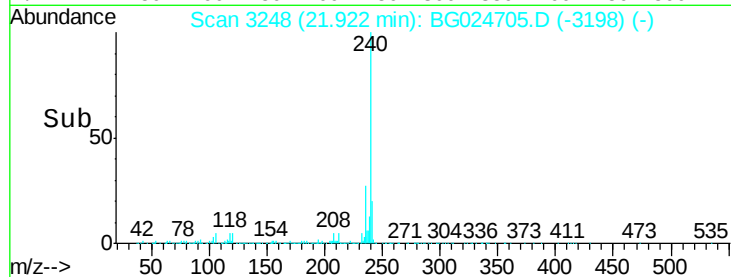
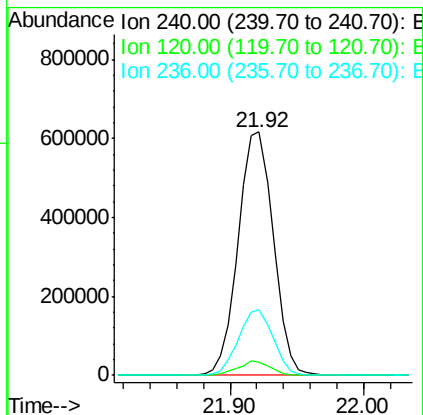
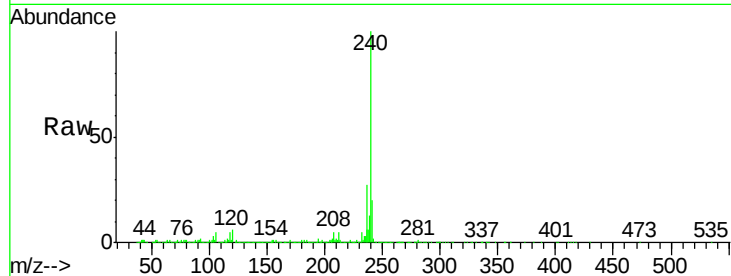




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.92 min Scan# 3248
Delta R.T. -0.01 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

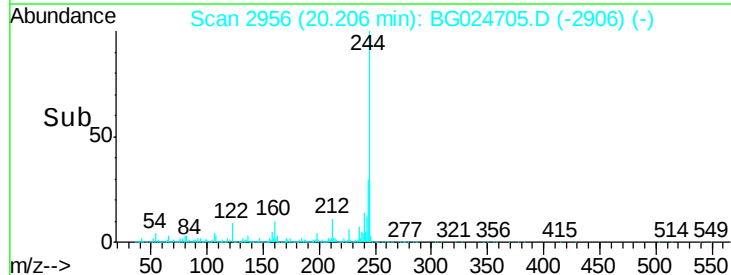
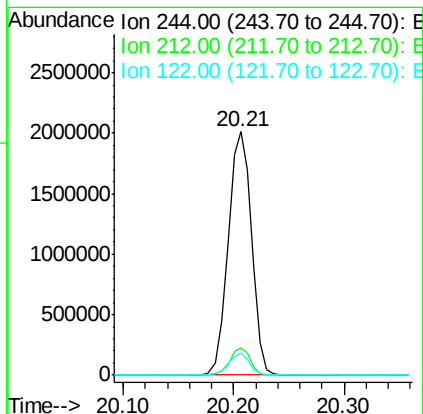
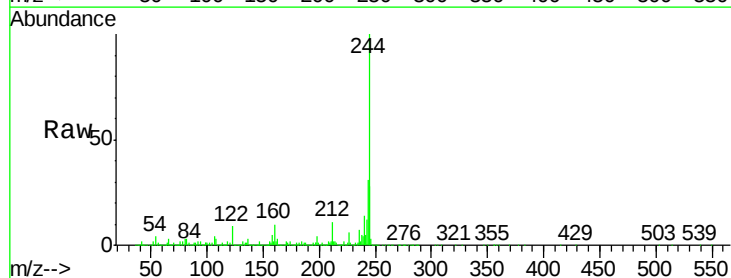
Instrument :
BNA_G
ClientSampleId :
GW-93-8.45-17.0

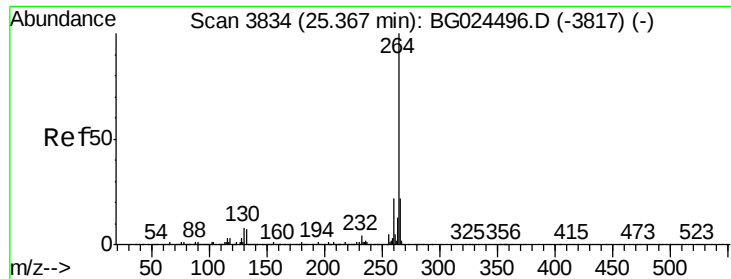
Tot Ion:240 Resp: 1123270
Ion Ratio Lower Upper
240 100
120 5.6 5.7 8.5#
236 27.1 22.2 33.4



#78
Terphenyl-d14
Concen: 79.20 ng
RT: 20.21 min Scan# 2956
Delta R.T. -0.01 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

Tgt Ion:244 Resp: 2977161
Ion Ratio Lower Upper
244 100
212 11.4 10.0 15.0
122 9.2 8.6 12.8





#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.35 min Scan# 3831
Delta R.T. -0.02 min
Lab File: BG024705.D
Acq: 5 Nov 2016 10:09

Instrument :
BNA_G
ClientSampleId :
GW-93-8.45-17.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.8	32.8
265	21.0	18.2	27.4

