

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
 Data File : BG030961.D
 Acq On : 12 Nov 2017 2:29
 Operator : SJ/JU
 Sample : I6301-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 13 03:26:01 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:38:25 2017
 Response via : Initial Calibration

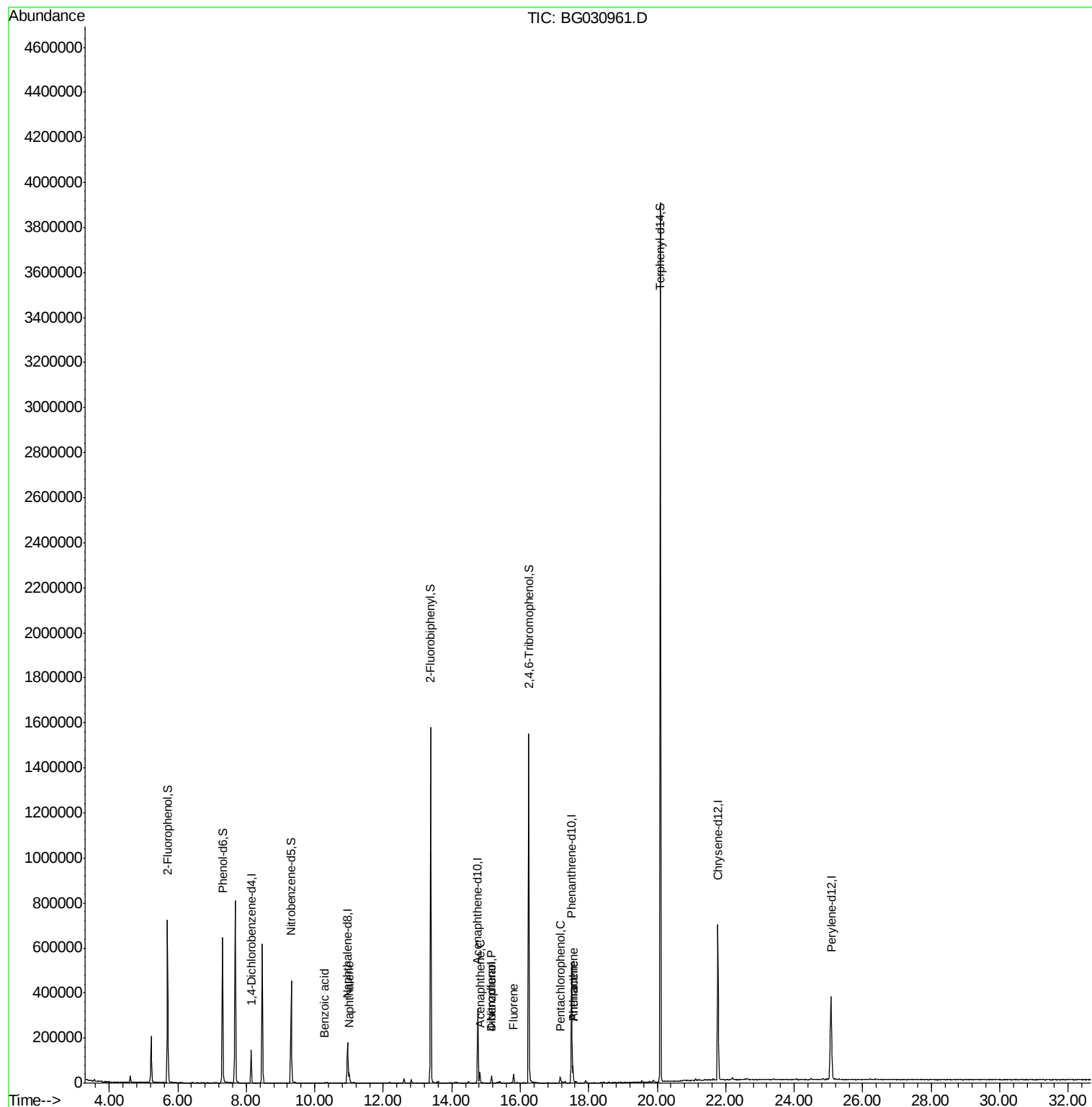
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	41961	20.00	ng	-0.01
21) Naphthalene-d8	10.96	136	173863	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	124408	20.00	ng	-0.02
63) Phenanthrene-d10	17.50	188	358685	20.00	ng	-0.01
75) Chrysene-d12	21.77	240	466359	20.00	ng	-0.01
86) Perylene-d12	25.07	264	457516	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	336213	137.40	ng	0.00
7) Phenol-d6	7.31	99	392774	119.14	ng	0.00
23) Nitrobenzene-d5	9.31	82	296124	100.93	ng	-0.02
41) 2,4,6-Tribromophenol	16.24	330	355946	176.87	ng	-0.01
44) 2-Fluorobiphenyl	13.38	172	887696	102.53	ng	-0.02
78) Terphenyl-d14	20.09	244	1914654	90.65	ng	0.00
Target Compounds						
31) Naphthalene	11.01	128	42900	5.019	ng	98
32) Benzoic acid	10.28	122	837	6.044	ng	# 81
51) Acenaphthene	14.82	154	19534	2.567	ng	99
54) Dibenzofuran	15.16	168	24629	2.032	ng	97
55) 4-Nitrophenol	15.16	139	8016	4.780	ng	# 1
57) Fluorene	15.80	166	20225	2.056	ng	# 96
69) Pentachlorophenol	17.17	266	9975	3.738	ng	96
70) Phenanthrene	17.54	178	50613	2.710	ng	99
71) Anthracene	17.54	178	50613	2.705	ng	98

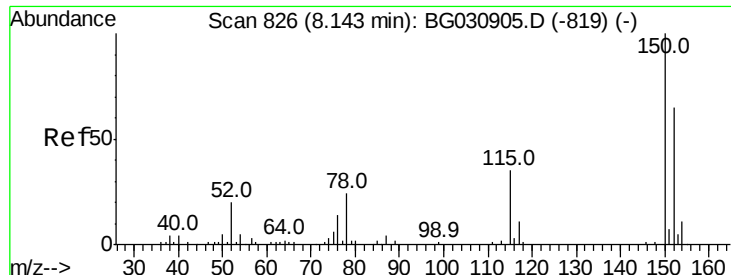
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG111117\
Data File : BG030961.D
Acq On : 12 Nov 2017 2:29
Operator : SJ/JU
Sample : I6301-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Nov 13 03:26:01 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration



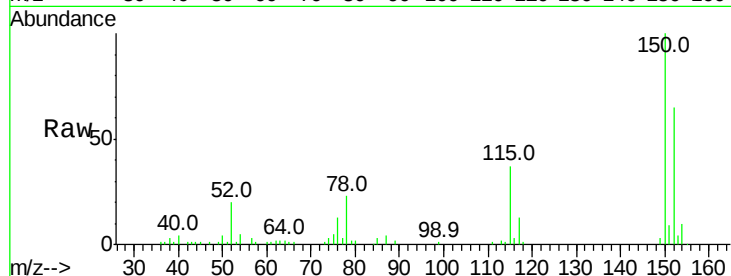


#1

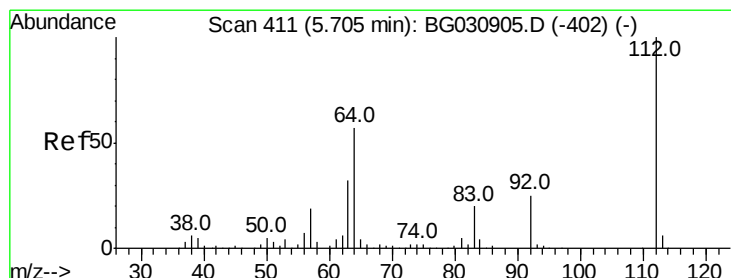
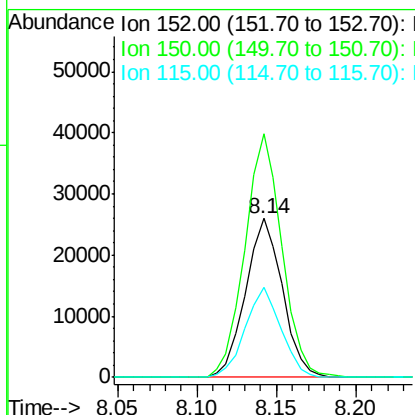
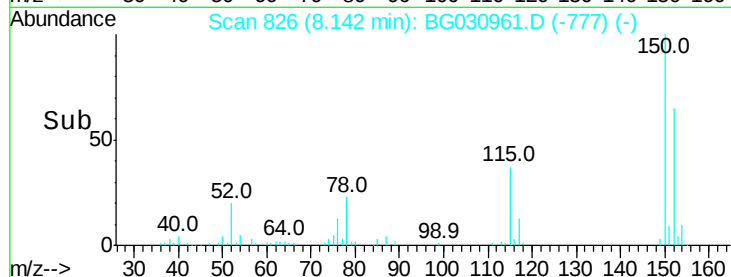
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 826
Delta R.T. -0.01 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 41961
Ion Ratio Lower Upper
152 100
150 153.1 126.6 189.8
115 56.2 53.0 79.4



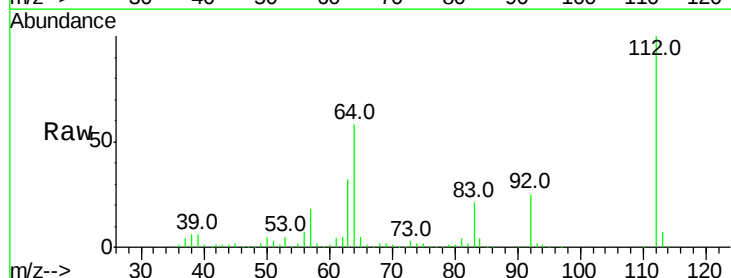
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



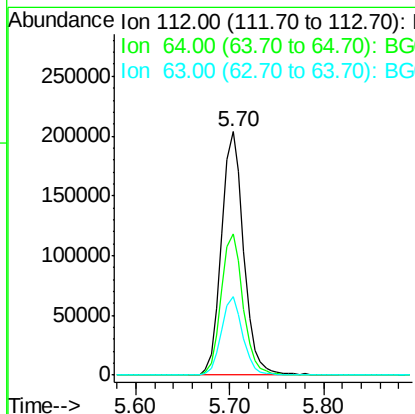
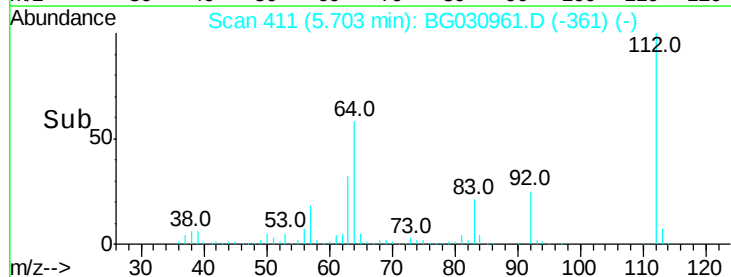
#5

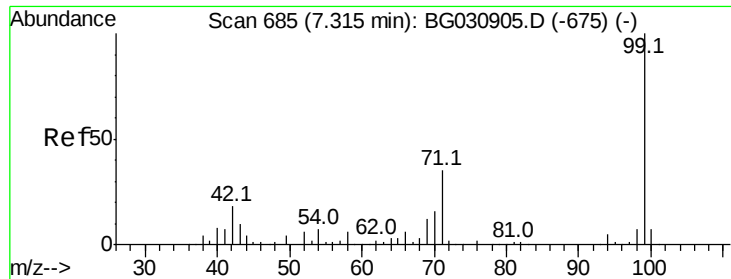
2-Fluorophenol
Concen: 137.395 ng
RT: 5.70 min Scan# 411
Delta R.T. -0.00 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

Tgt Ion:112 Resp: 336213
Ion Ratio Lower Upper
112 100
64 58.2 56.3 84.5
63 32.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 119.141 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

Instrument :

BNA_G

ClientSampled :

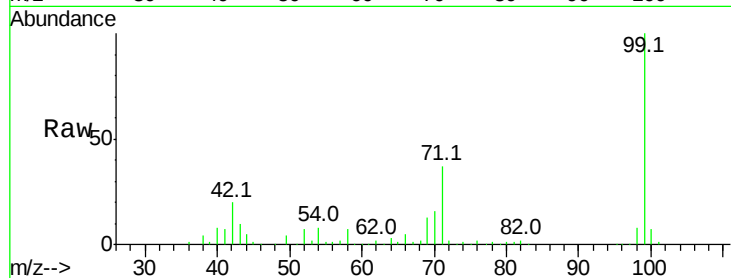
Tot Ion: 99 Resp: 392774

Ion Ratio Lower Upper

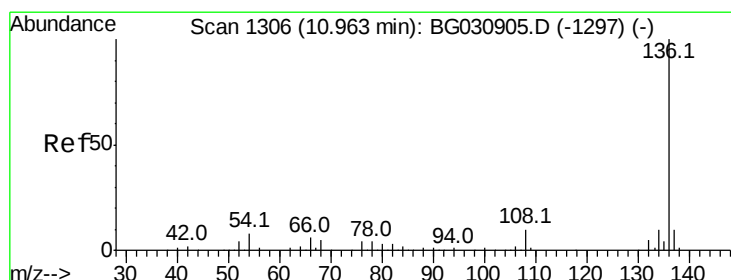
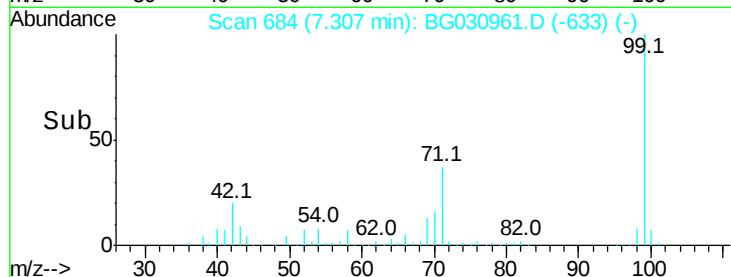
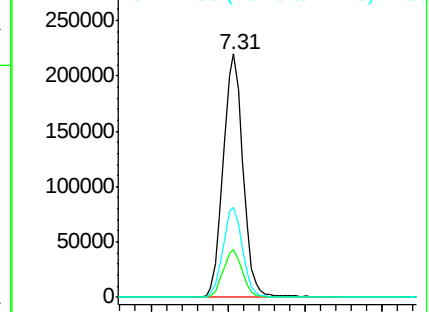
99 100

42 19.8 14.1 21.1

71 36.7 26.1 39.1



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: 20.000 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

Tgt Ion: 136 Resp: 173863

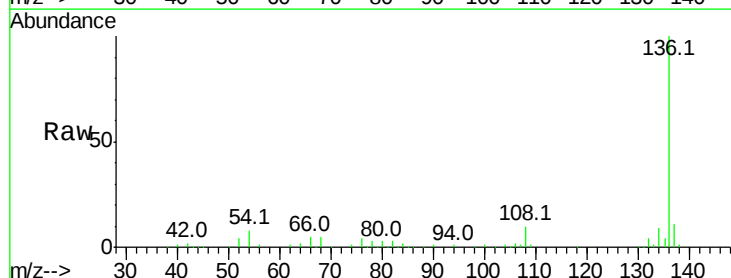
Ion Ratio Lower Upper

136 100

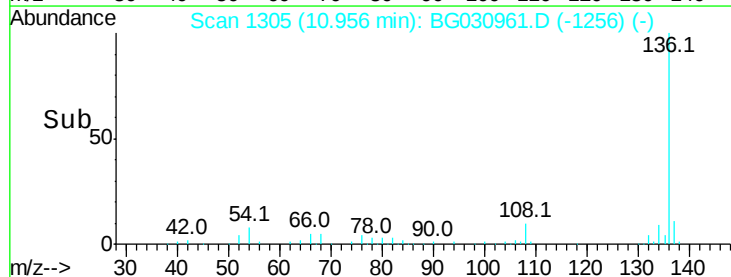
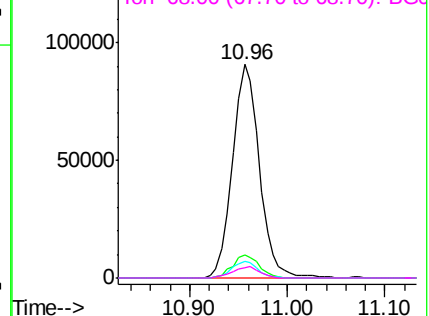
137 10.5 9.2 13.8

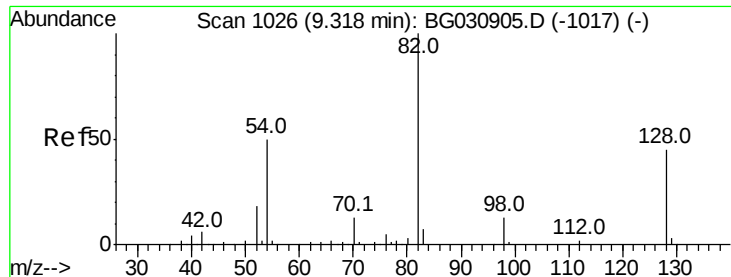
54 7.7 10.3 15.5#

68 5.0 4.5 6.7



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

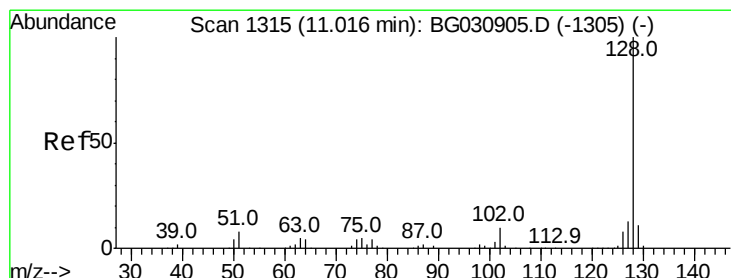
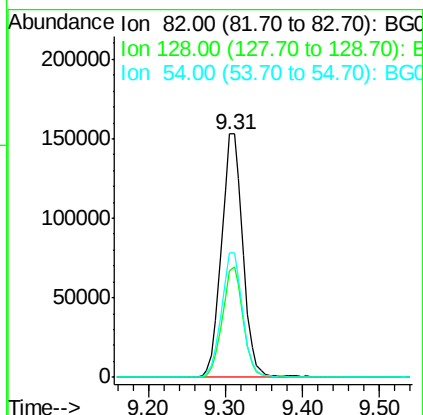
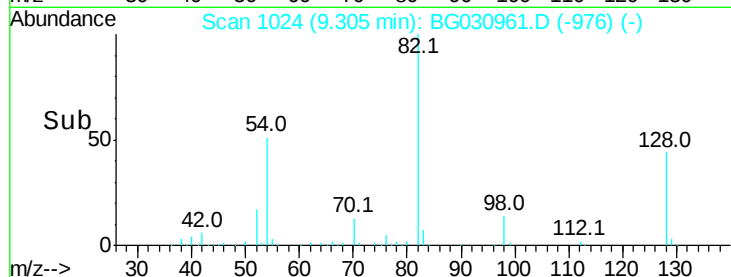
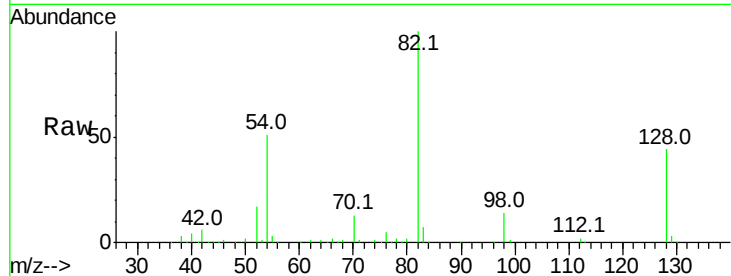




#23
 Nitrobenzene-d5
 Concen: 100.925 ng
 RT: 9.31 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BG030961.D
 Acq: 12 Nov 2017 2:29

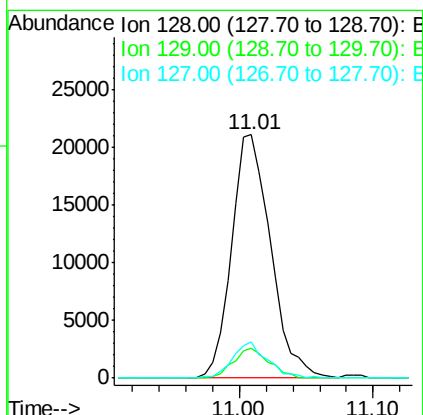
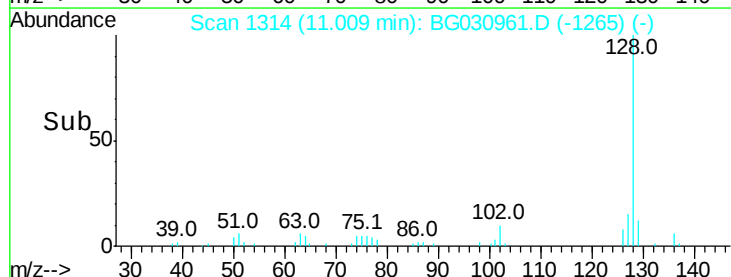
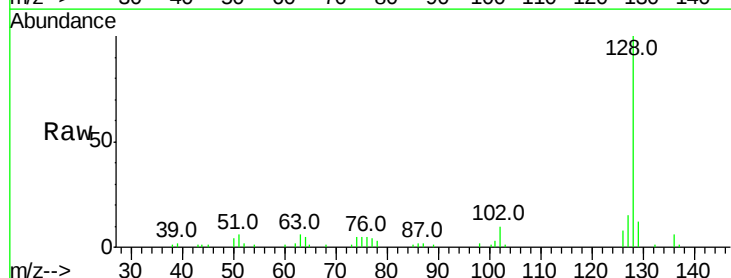
Instrument :
 BNA_G
 ClientSampleId :

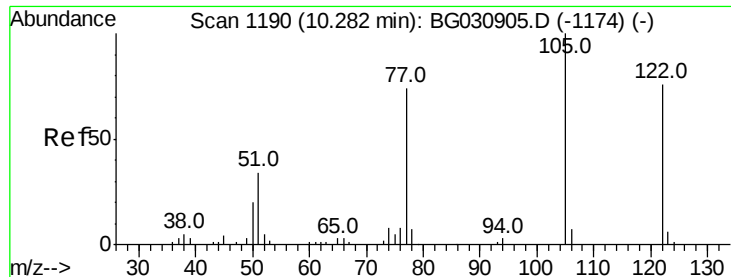
Tot Ion: 82 Resp: 296124
 Ion Ratio Lower Upper
 82 100
 128 43.8 29.7 44.5
 54 51.3 43.1 64.7



#31
 Naphthalene
 Concen: 5.019 ng
 RT: 11.01 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BG030961.D
 Acq: 12 Nov 2017 2:29

Tgt Ion: 128 Resp: 42900
 Ion Ratio Lower Upper
 128 100
 129 12.1 8.6 12.8
 127 14.8 11.6 17.4

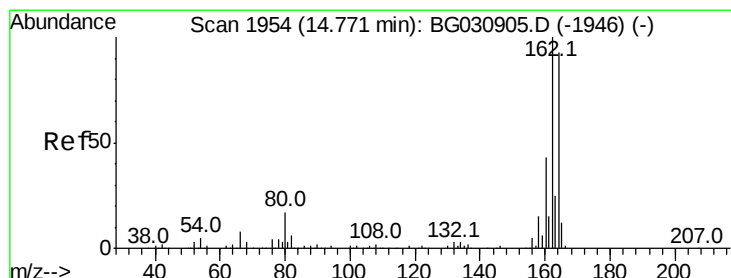
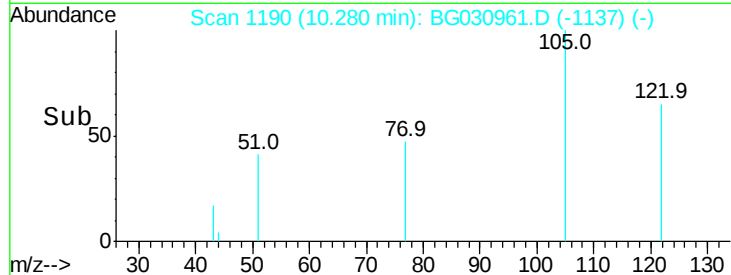
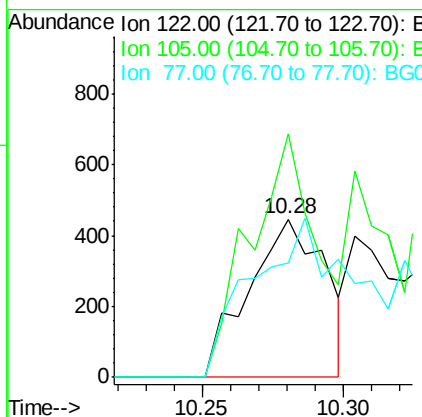
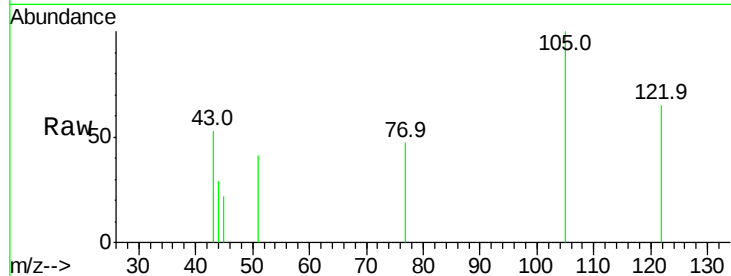




#32
Benzoic acid
Concen: 6.044 ng
RT: 10.28 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

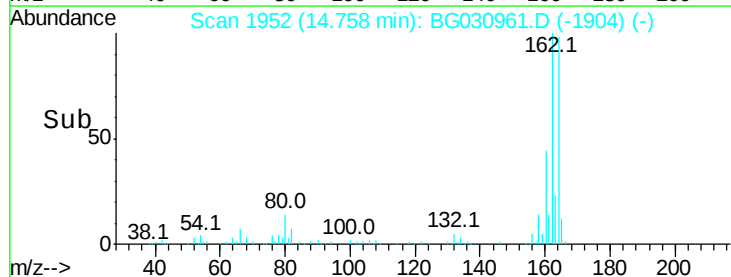
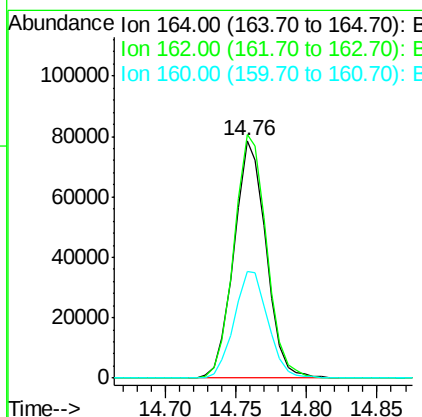
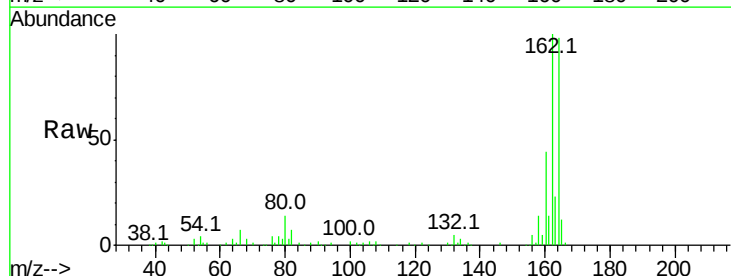
Instrument :
BNA_G
ClientSampleId :

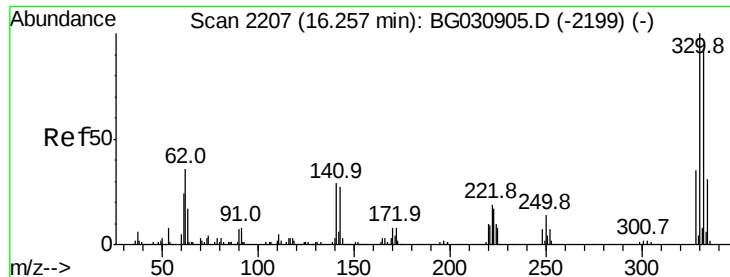
Tot Ion:122 Resp: 837
Ion Ratio Lower Upper
122 100
105 153.7 123.5 163.5
77 71.8 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1952
Delta R.T. -0.02 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

Tgt Ion:164 Resp: 124408
Ion Ratio Lower Upper
164 100
162 102.4 78.8 118.2
160 44.8 35.4 53.0

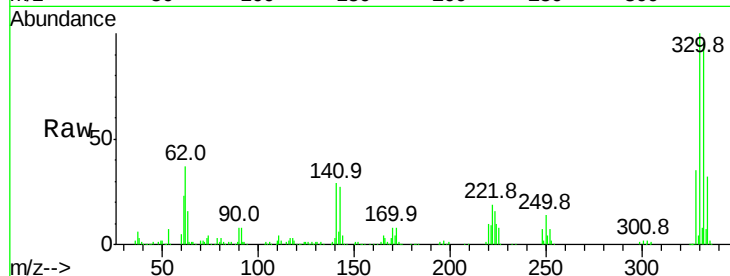




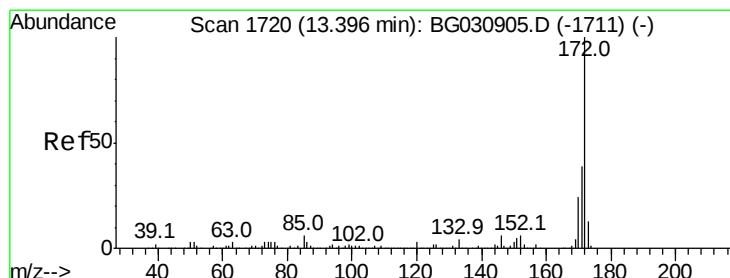
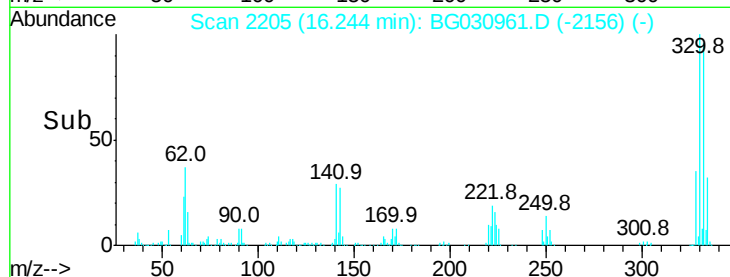
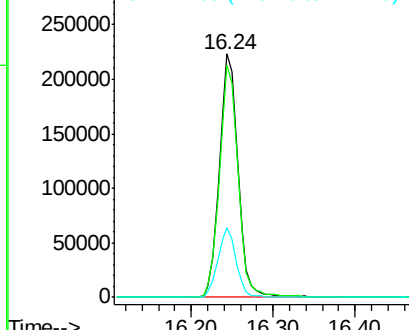
#41
 2,4,6-Tribromophenol
 Concen: 176.866 ng
 RT: 16.24 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BG030961.D
 Acq: 12 Nov 2017 2:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	27.9	25.2	37.8

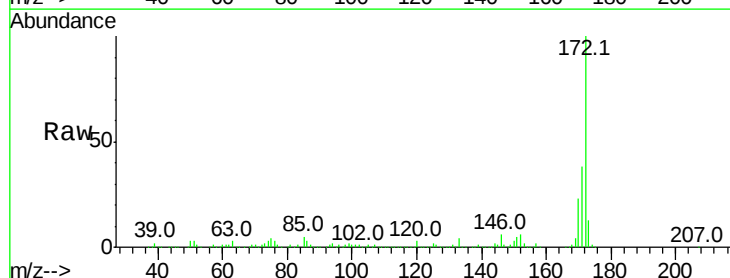


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

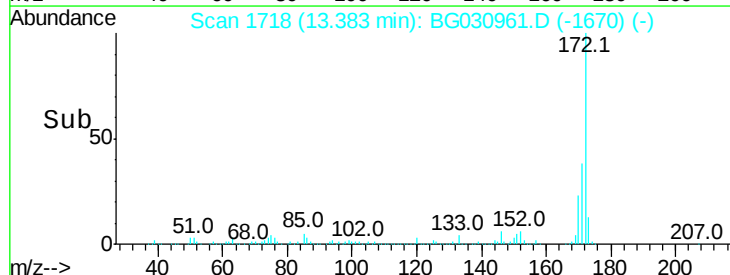
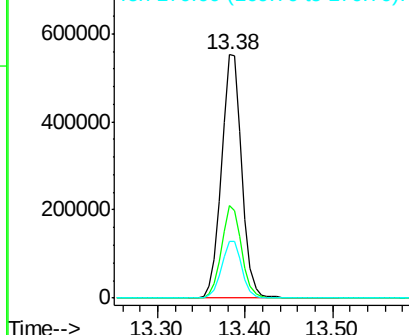


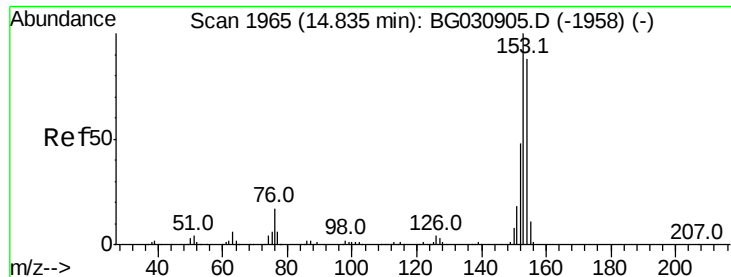
#44
 2-Fluorobiphenyl
 Concen: 102.527 ng
 RT: 13.38 min Scan# 1718
 Delta R.T. -0.02 min
 Lab File: BG030961.D
 Acq: 12 Nov 2017 2:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.0	45.0
170	23.2	19.5	29.3



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





#51

Acenaphthene

Concen: 2.567 ng

RT: 14.82 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

Instrument :

BNA_G

ClientSampleId :

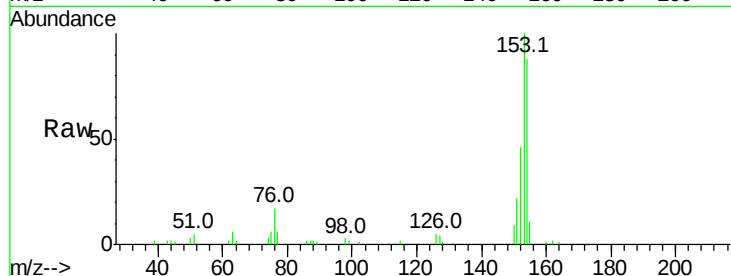
Tot Ion:154 Resp: 19534

Ion	Ratio	Lower	Upper
154	100		
153	113.9	90.4	135.6
152	52.7	41.6	62.4

154 100

153 113.9 90.4 135.6

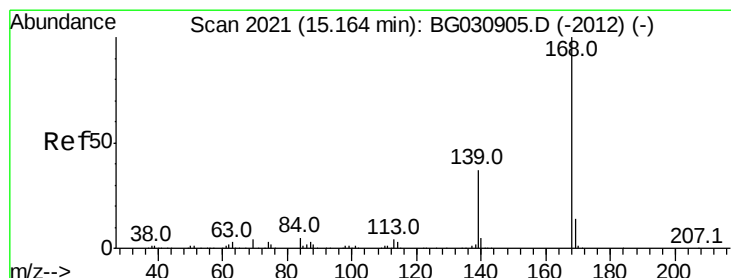
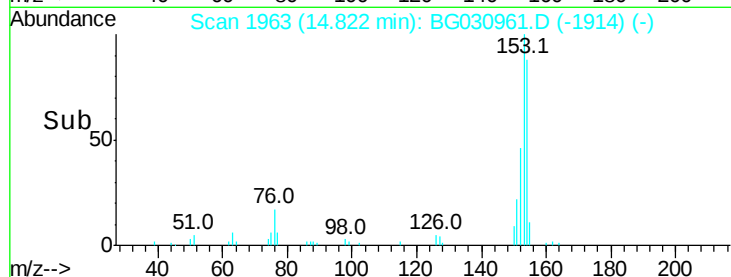
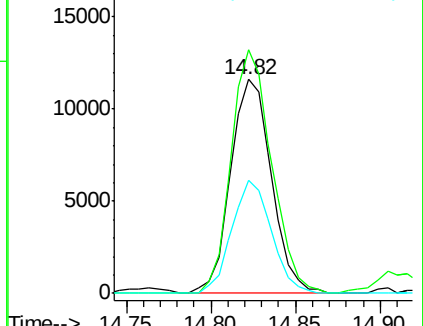
152 52.7 41.6 62.4



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: 2.032 ng

RT: 15.16 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

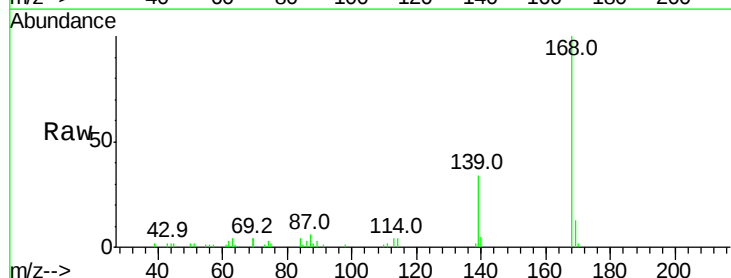
Tgt Ion:168 Resp: 24629

Ion	Ratio	Lower	Upper
168	100		
139	33.7	28.6	43.0
169	13.1	11.2	16.8

168 100

139 33.7 28.6 43.0

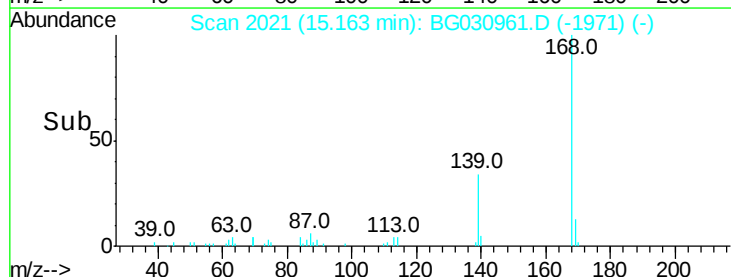
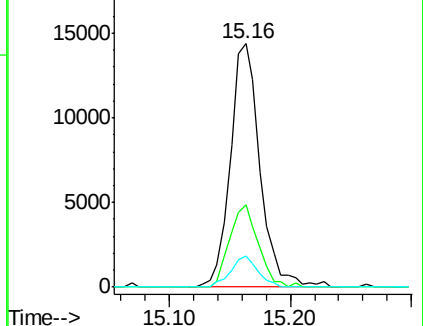
169 13.1 11.2 16.8

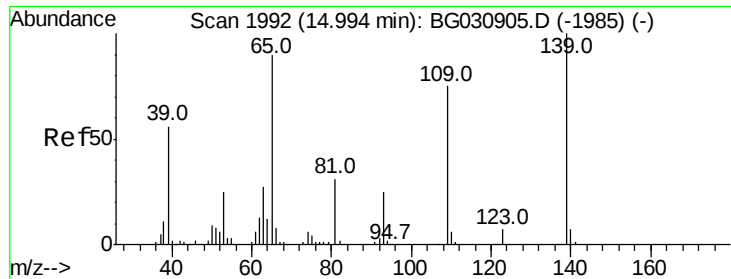


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

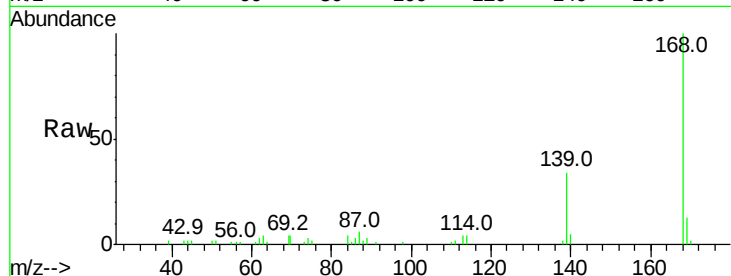




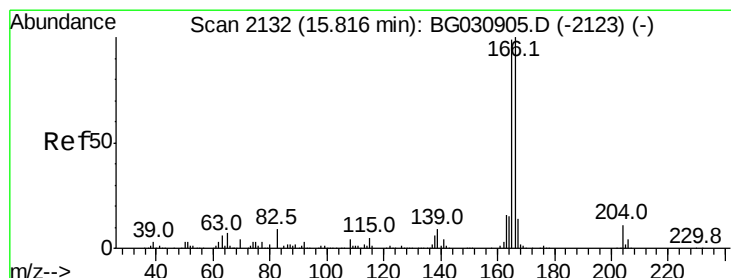
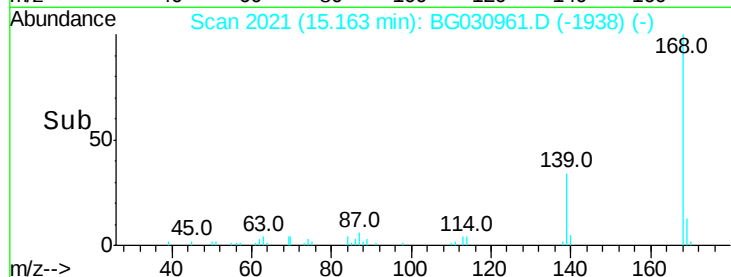
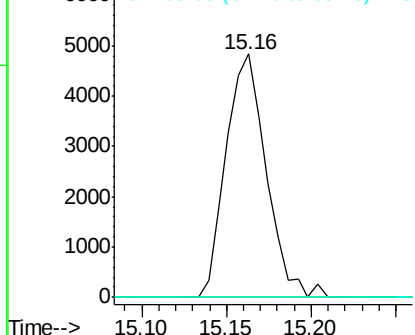
#55
4-Nitrophenol
Concen: 4.780 ng
RT: 15.16 min Scan# 2021
Delta R.T. 0.19 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:139 Resp: 8016
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

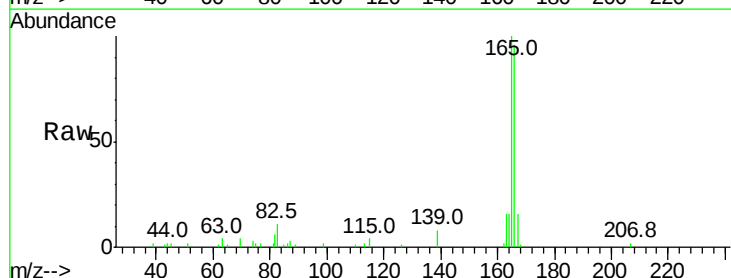


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): B

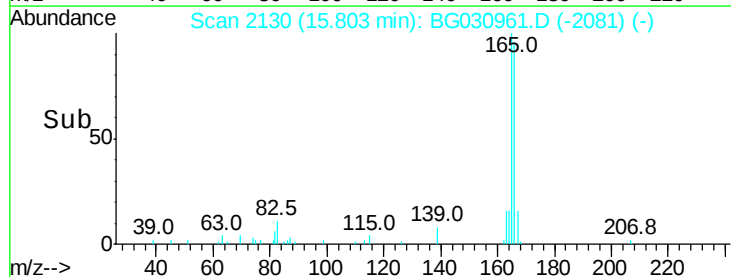
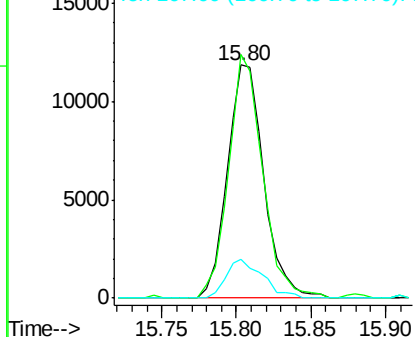


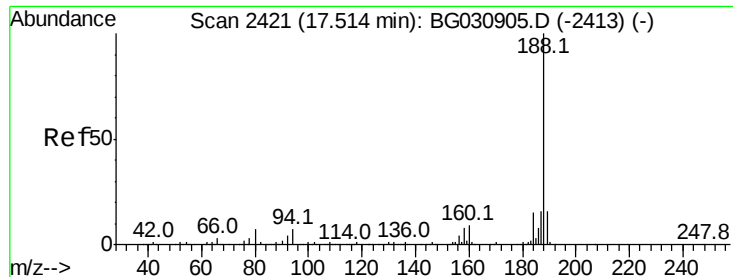
#57
Fluorene
Concen: 2.056 ng
RT: 15.80 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

Tgt Ion:166 Resp: 20225
Ion Ratio Lower Upper
166 100
165 104.5 80.6 121.0
167 16.7 10.4 15.6#



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

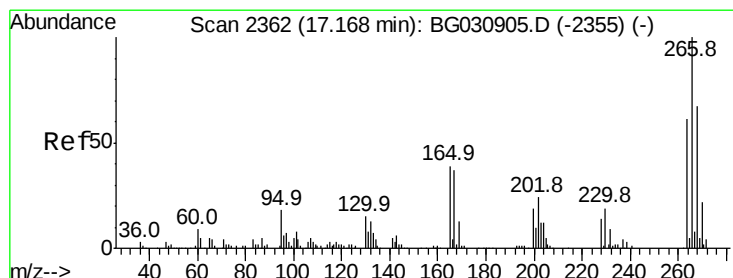
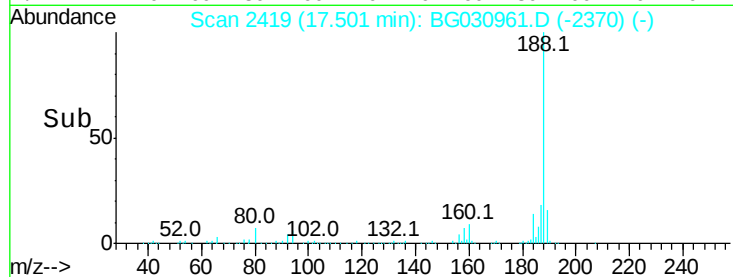
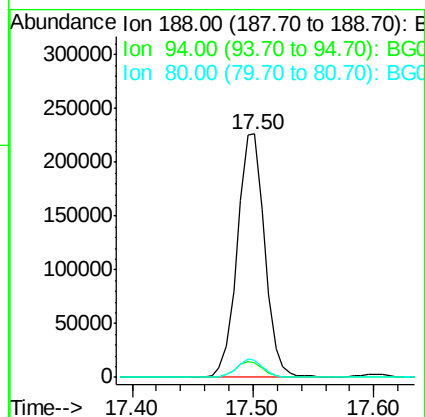
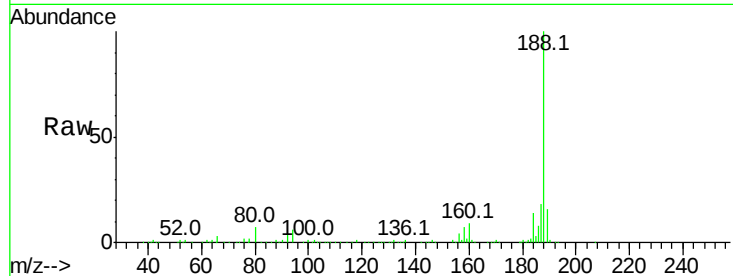




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2419
 Delta R.T. -0.01 min
 Lab File: BG030961.D
 Acq: 12 Nov 2017 2:29

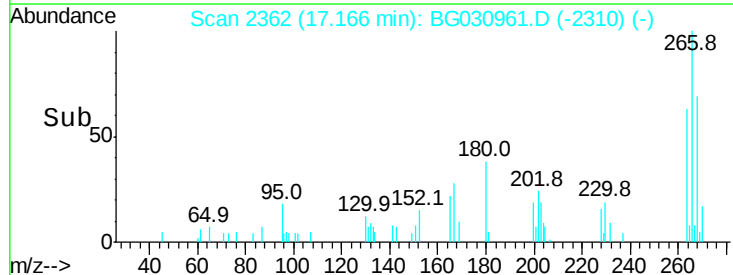
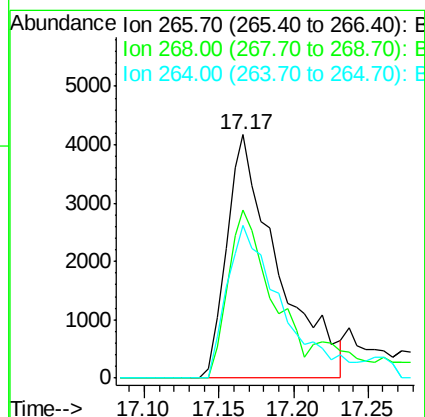
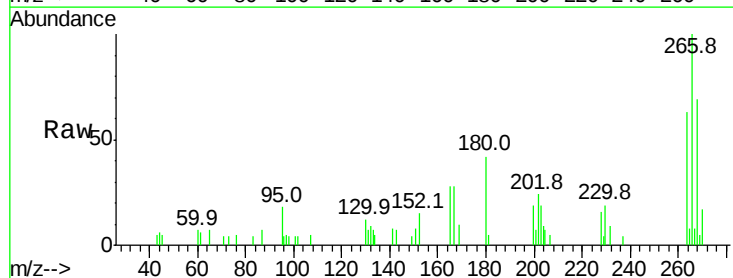
Instrument :
 BNA_G
 ClientSampleId :

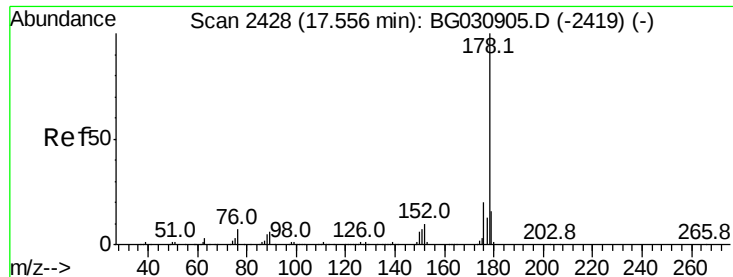
Tot Ion:188 Resp: 358685
 Ion Ratio Lower Upper
 188 100
 94 6.0 6.9 10.3#
 80 7.0 7.7 11.5#



#69
 Pentachlorophenol
 Concen: 3.738 ng
 RT: 17.17 min Scan# 2362
 Delta R.T. 0.01 min
 Lab File: BG030961.D
 Acq: 12 Nov 2017 2:29

Tgt Ion:266 Resp: 9975
 Ion Ratio Lower Upper
 266 100
 268 69.2 51.1 76.7
 264 62.6 49.6 74.4





#70

Phenanthrene

Concen: 2.710 ng

RT: 17.54 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

Instrument :

BNA_G

ClientSampleId :

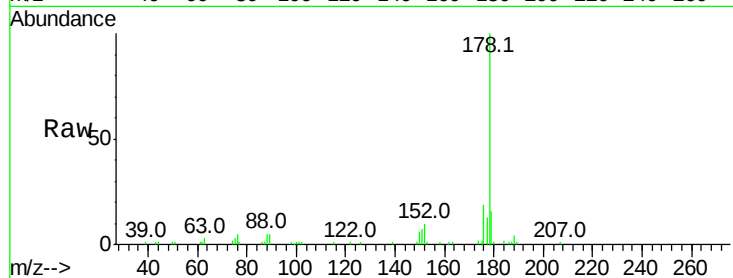
Tot Ion:178 Resp: 50613

Ion Ratio Lower Upper

178 100

176 18.7 15.7 23.5

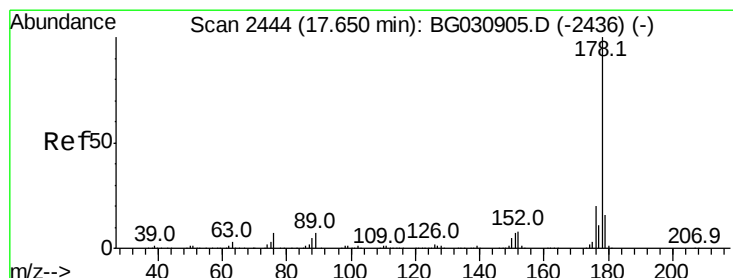
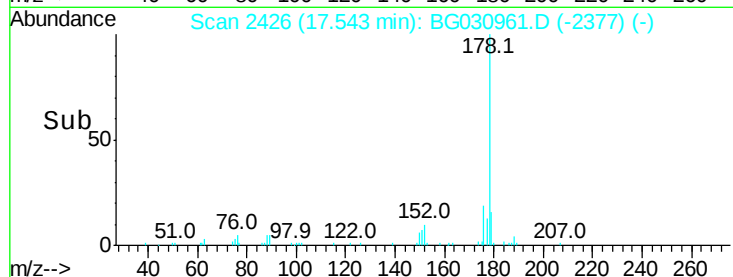
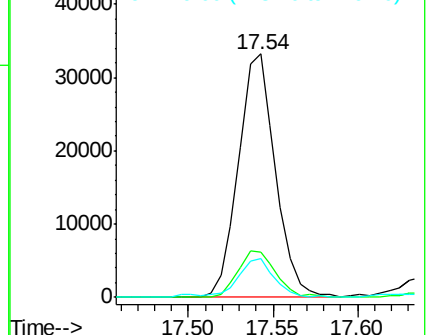
179 15.8 12.5 18.7



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



#71

Anthracene

Concen: 2.705 ng

RT: 17.54 min Scan# 2426

Delta R.T. -0.10 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

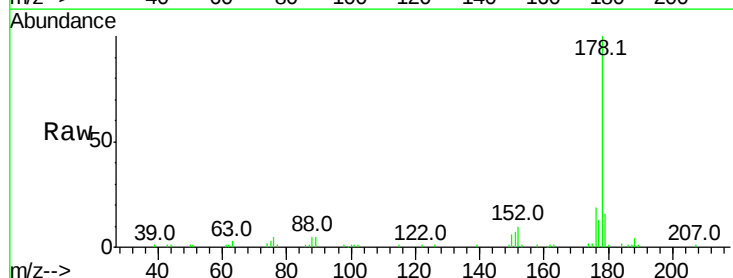
Tgt Ion:178 Resp: 50613

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

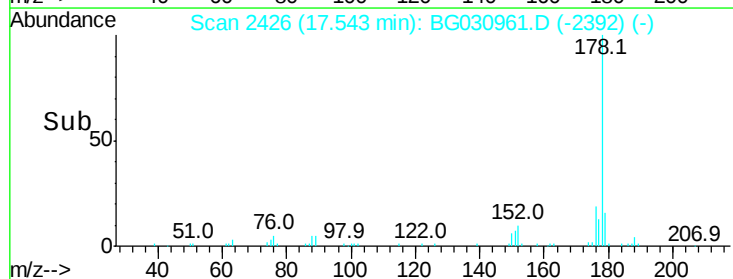
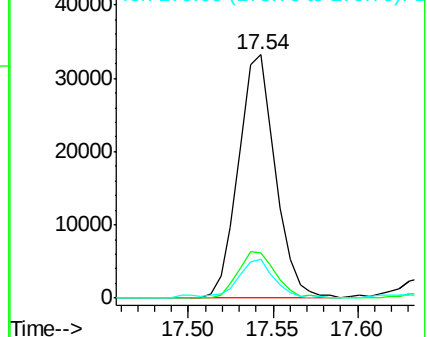
179 15.8 12.5 18.7

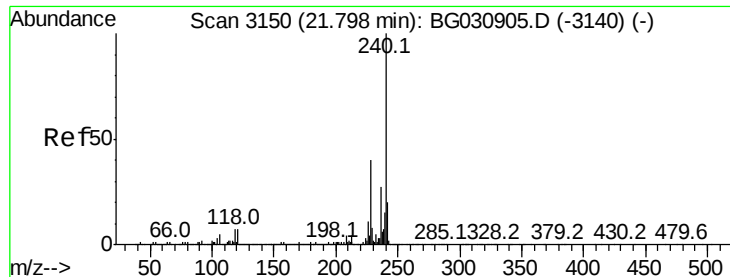


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

Instrument :

BNA_G

ClientSampleId :

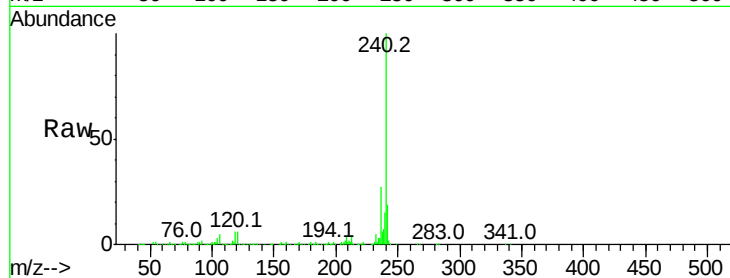
Tot Ion:240 Resp: 466359

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

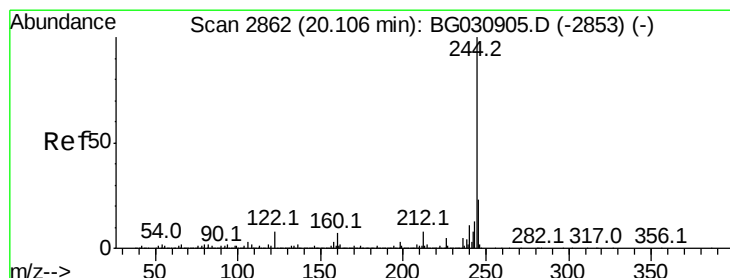
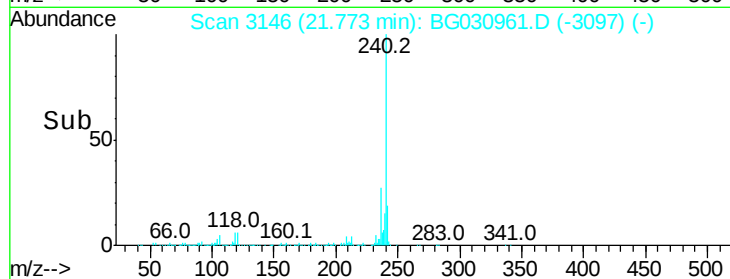
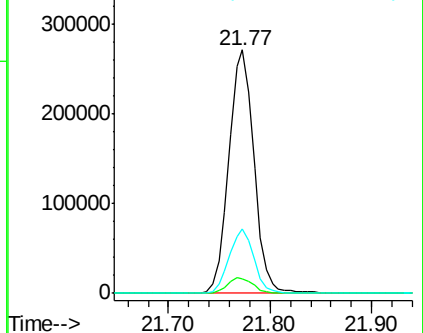
236 26.6 20.9 31.3



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: 90.654 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG030961.D

Acq: 12 Nov 2017 2:29

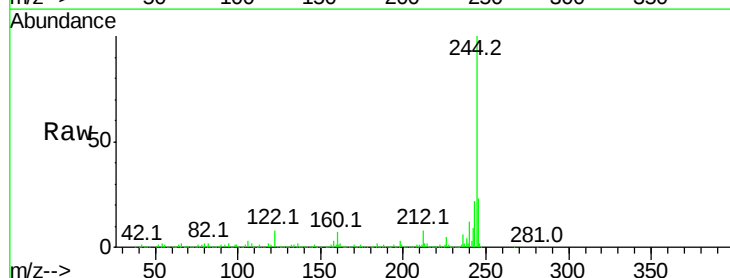
Tgt Ion:244 Resp: 1914654

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

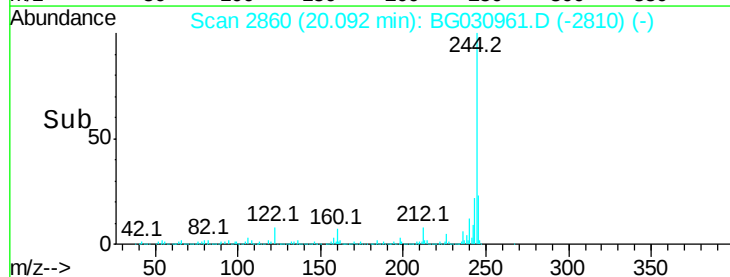
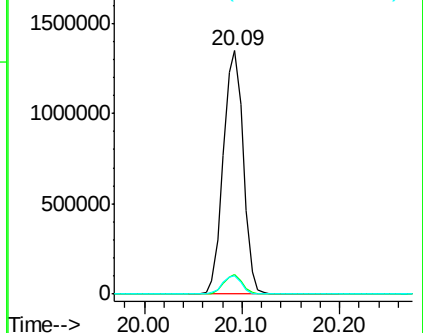
122 7.6 7.0 10.4

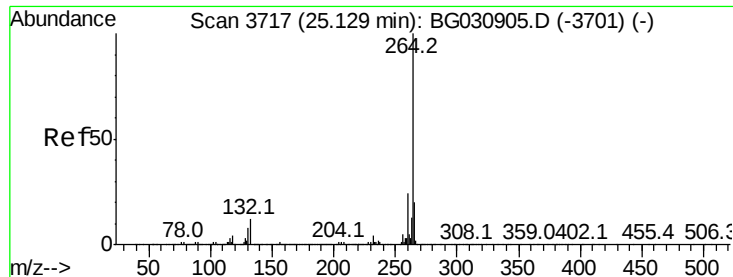


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

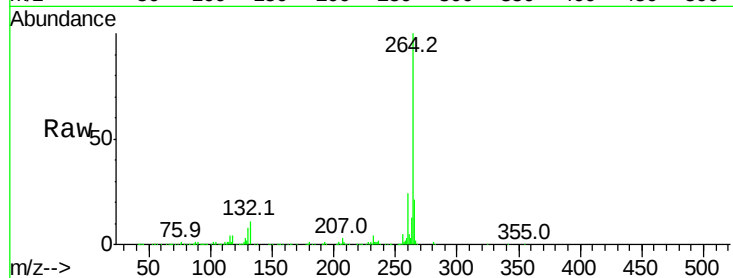




#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3708
Delta R.T. -0.02 min
Lab File: BG030961.D
Acq: 12 Nov 2017 2:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.4	26.0
265	21.3	17.7	26.5



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

