

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
 Data File : BG019123.D
 Acq On : 10 Oct 2015 18:43
 Operator : UM/NP
 Sample : G3929-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 06:36:14 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 06:30:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	16385	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	71256	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	53137	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	135685	20.00	ng	0.00
75) Chrysene-d12	21.68	240	166649	20.00	ng	0.00
86) Perylene-d12	24.90	264	159900	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	51690	64.23	ng	0.00
7) Phenol-d6	7.19	99	48198	38.99	ng	0.00
23) Nitrobenzene-d5	9.19	82	146526	113.62	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	120459	166.36	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	382653	110.73	ng	0.00
78) Terphenyl-d14	20.02	244	665053	105.42	ng	0.00

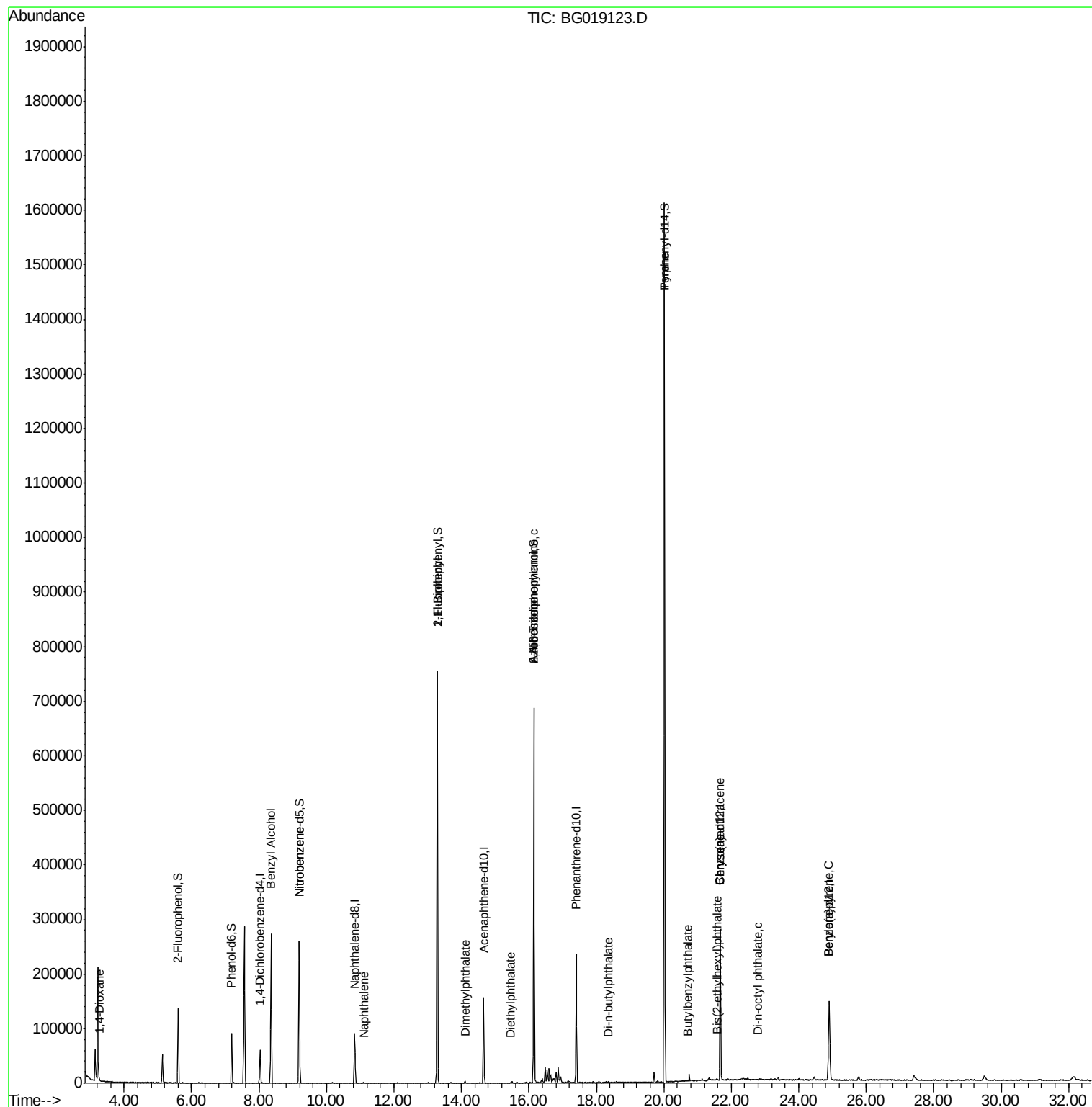
Target Compounds						Qvalue
2) 1,4-Dioxane	3.27	88	54	0.16	ng	# 1
15) Benzyl Alcohol	8.36	79	2185	1.98	ng	# 49
24) Nitrobenzene	9.19	77	509	0.37	ng	# 43
31) Naphthalene	11.12	128	66	0.02	ng	# 1
45) 1,1'-Biphenyl	13.29	154	824	0.21	ng	# 1
49) Dimethylphthalate	14.11	163	2922	0.70	ng	# 88
59) Diethylphthalate	15.47	149	477	0.11	ng	# 59
62) Azobenzene	16.15	77	579	0.14	ng	# 10
65) n-Nitrosodiphenylamine	16.15	169	4458	1.19	ng	# 48
73) Di-n-butylphthalate	18.37	149	1663	0.21	ng	# 77
77) Pyrene	20.02	202	2767	0.30	ng	# 62
79) Butylbenzylphthalate	20.70	149	334	0.09	ng	# 88
80) Benzo(a)anthracene	21.67	228	415	0.05	ng	# 51
82) Chrysene	21.67	228	415	0.05	ng	# 48
83) Bis(2-ethylhexyl)phthalate	21.57	149	1135	0.21	ng	# 93
84) Di-n-octyl phthalate	22.79	149	209	0.02	ng	# 1
89) Benzo(a)pyrene	24.90	252	520	0.06	ng	# 61

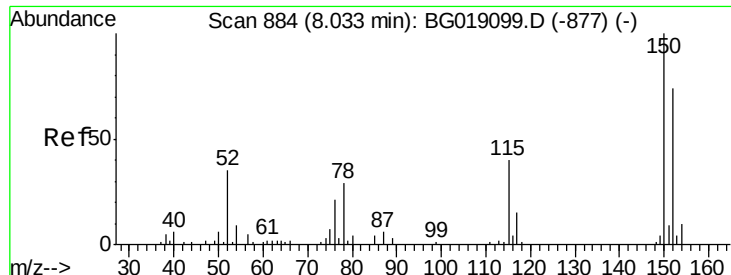
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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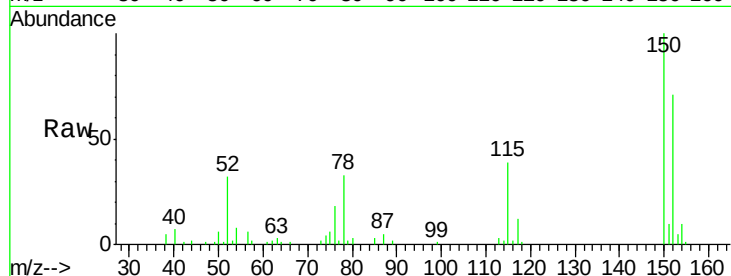


#1

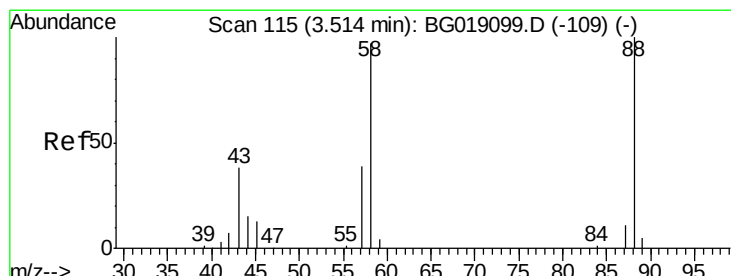
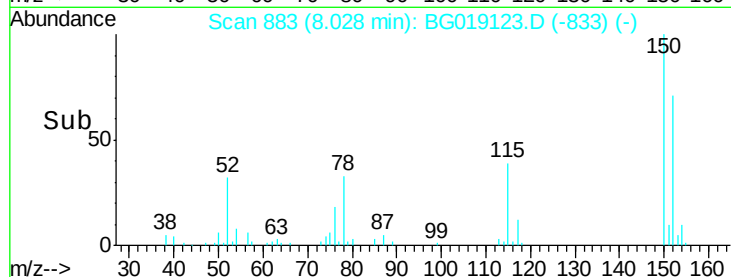
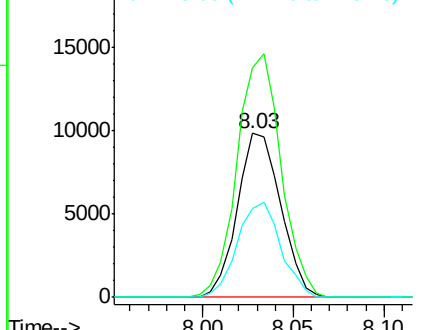
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 883
Delta R.T. -0.01 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 16385
Ion Ratio Lower Upper
152 100
150 139.9 108.2 162.2
115 54.2 43.2 64.8



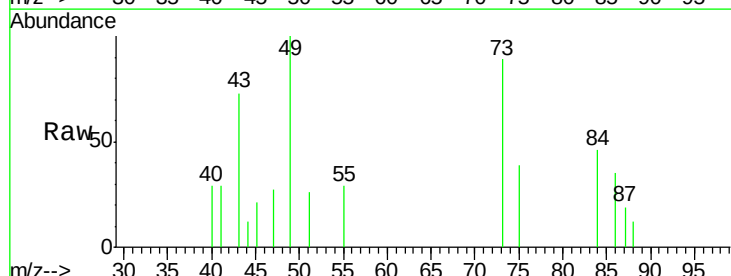
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



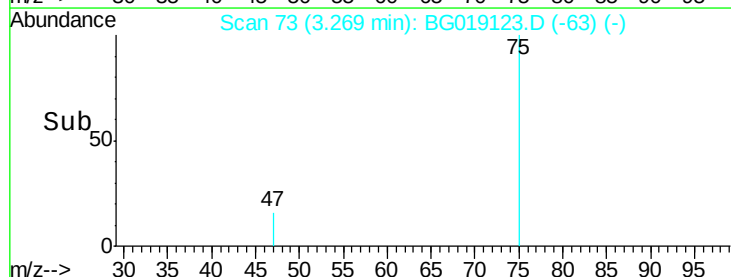
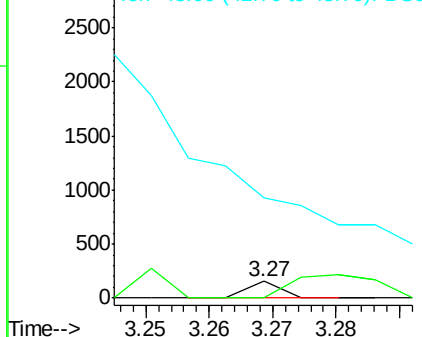
#2

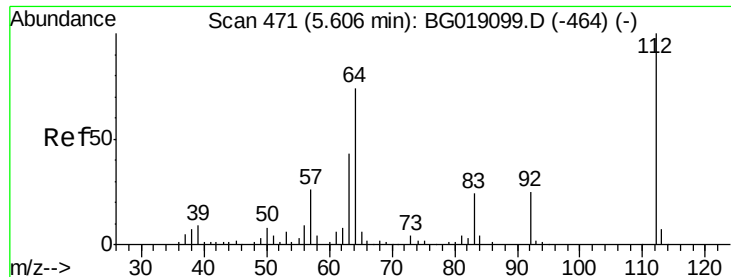
1,4-Dioxane
Concen: 0.16 ng
RT: 3.27 min Scan# 73
Delta R.T. -0.24 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
58 381.5 81.1 121.7#
43 0.0 31.0 46.6#



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: 64.23 ng

RT: 5.61 min Scan# 471

Delta R.T. 0.00 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Instrument :

BNA_G

ClientSampled :

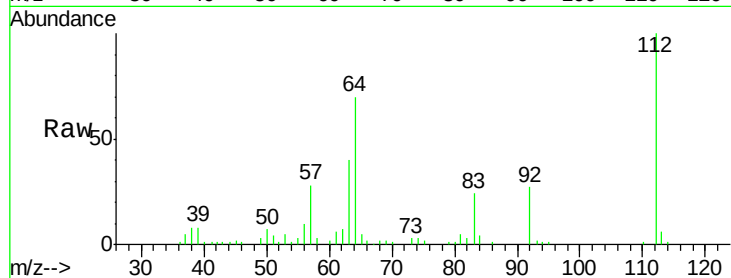
Tot Ion: 112 Resp: 51690

Ion Ratio Lower Upper

112 100

64 70.1 59.0 88.4

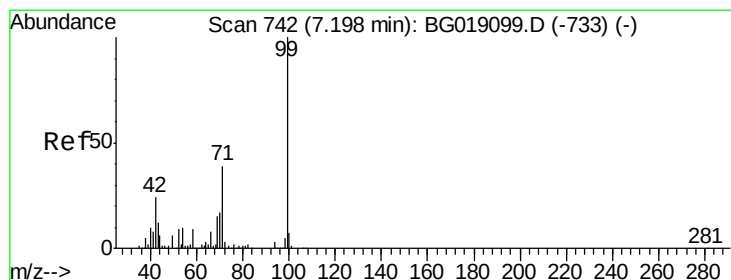
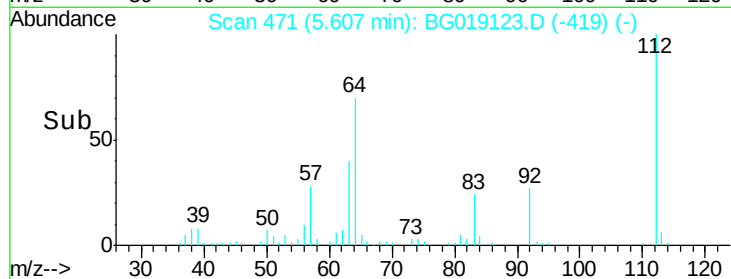
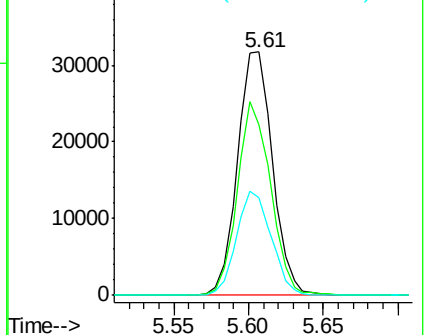
63 39.9 34.7 52.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 38.99 ng

RT: 7.19 min Scan# 740

Delta R.T. -0.01 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

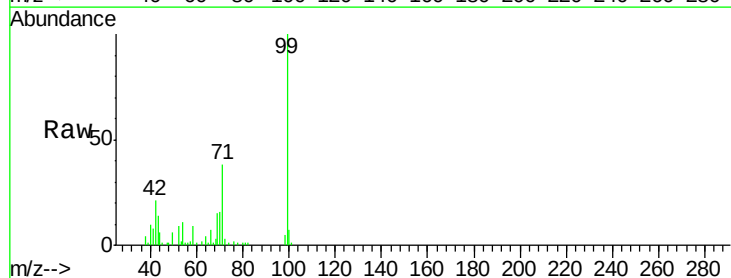
Tgt Ion: 99 Resp: 48198

Ion Ratio Lower Upper

99 100

42 21.3 19.5 29.3

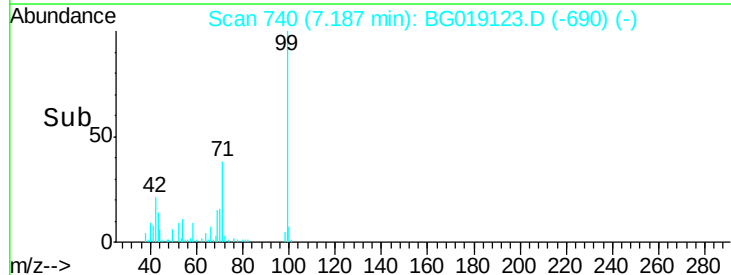
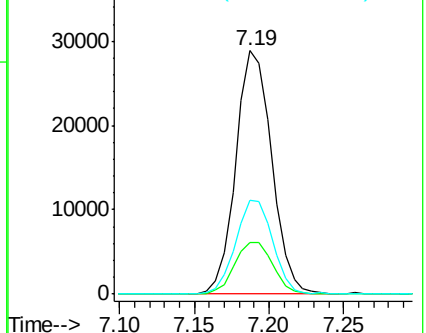
71 38.4 31.4 47.0

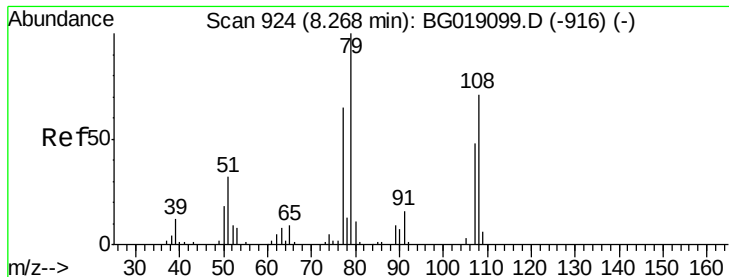


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 1.98 ng

RT: 8.36 min Scan# 939

Delta R.T. 0.09 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Instrument :

BNA_G

ClientSampleId :

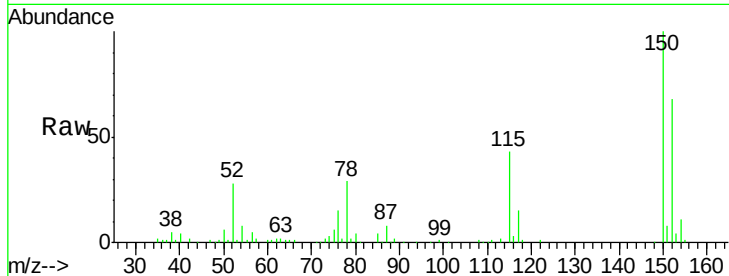
Tot Ion: 79 Resp: 2185

Ion Ratio Lower Upper

79 100

108 33.7 56.6 84.8#

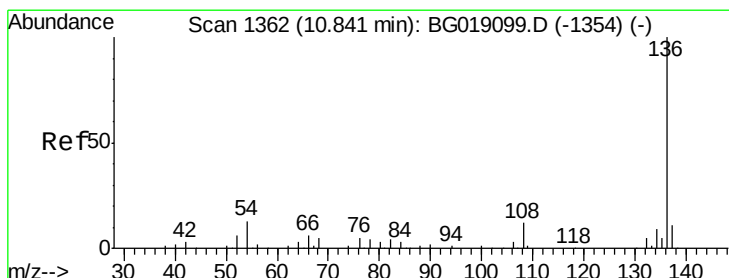
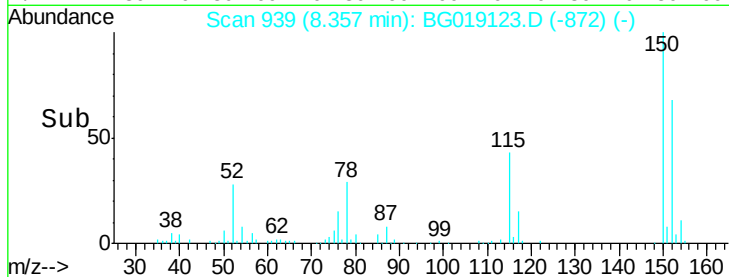
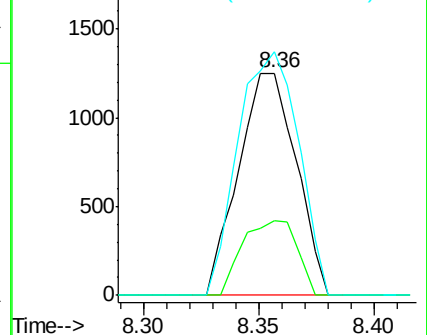
77 109.6 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Tgt Ion: 136 Resp: 71256

Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 12.7 10.1 15.1

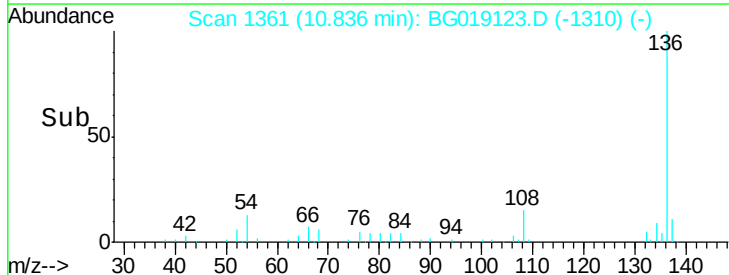
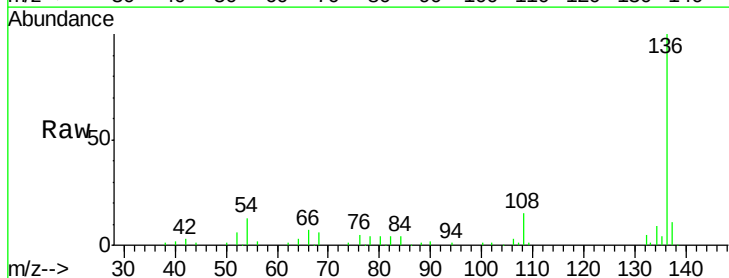
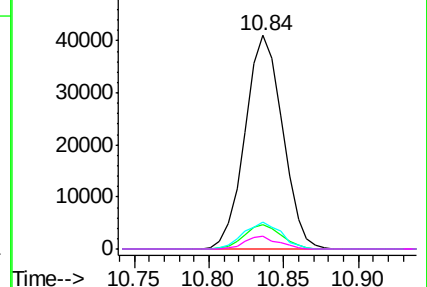
68 5.7 4.4 6.6

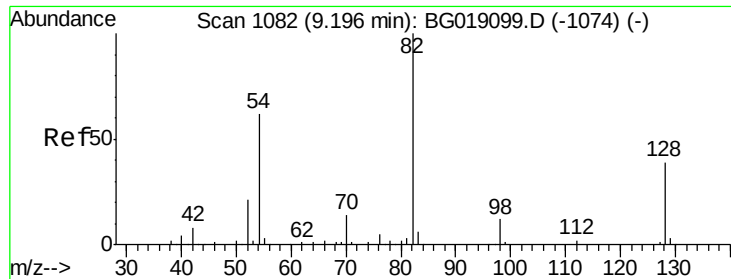
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

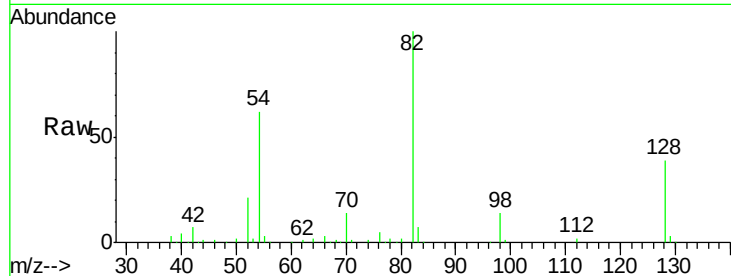




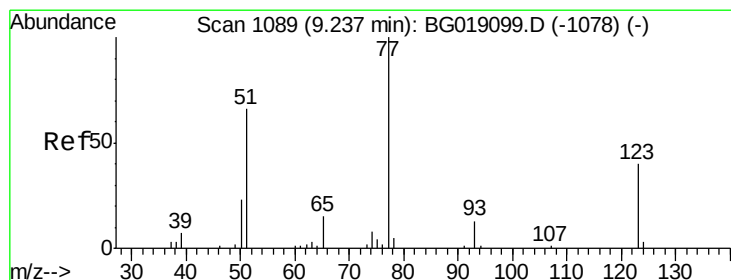
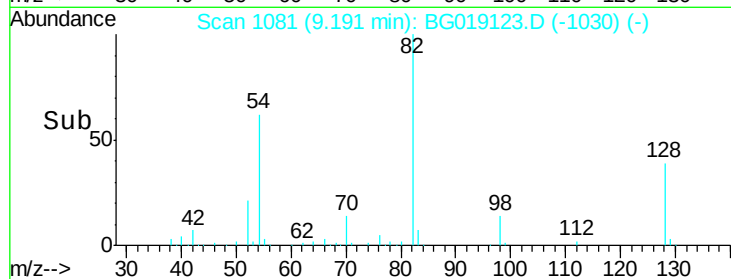
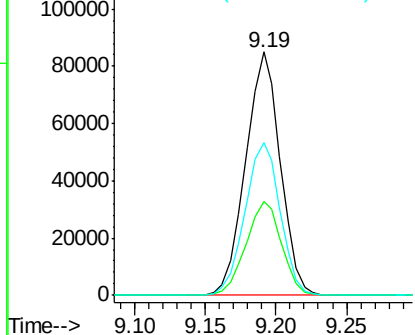
#23
 Nitrobenzene-d5
 Concen: 113.62 ng
 RT: 9.19 min Scan# 1081
 Delta R.T. -0.00 min
 Lab File: BG019123.D
 Acq: 10 Oct 2015 18:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 82 Resp: 146526
 Ion Ratio Lower Upper
 82 100
 128 38.5 31.4 47.2
 54 62.5 50.0 75.0

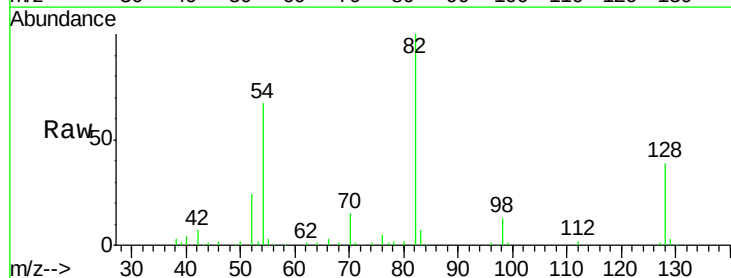


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

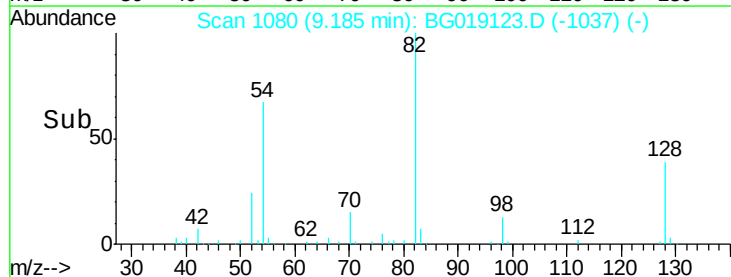
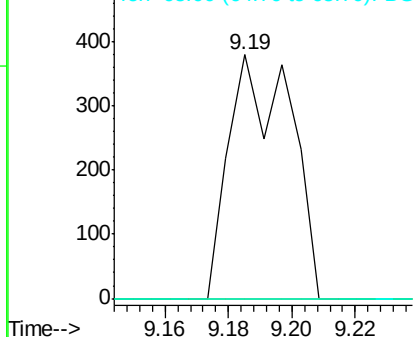


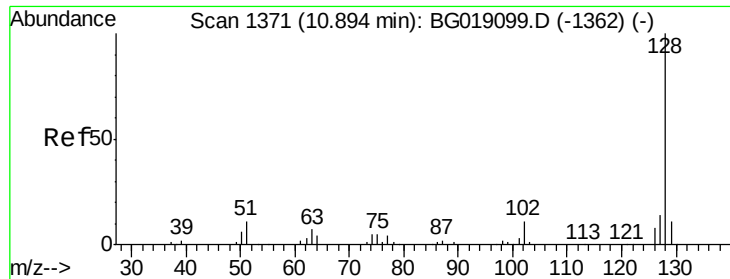
#24
 Nitrobenzene
 Concen: 0.37 ng
 RT: 9.19 min Scan# 1080
 Delta R.T. -0.05 min
 Lab File: BG019123.D
 Acq: 10 Oct 2015 18:43

Tgt Ion: 77 Resp: 509
 Ion Ratio Lower Upper
 77 100
 123 0.0 31.8 47.6#
 65 0.0 11.8 17.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

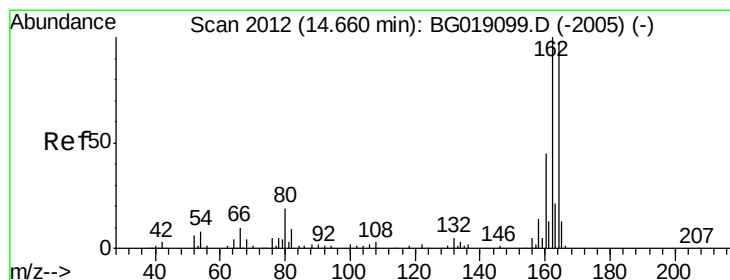
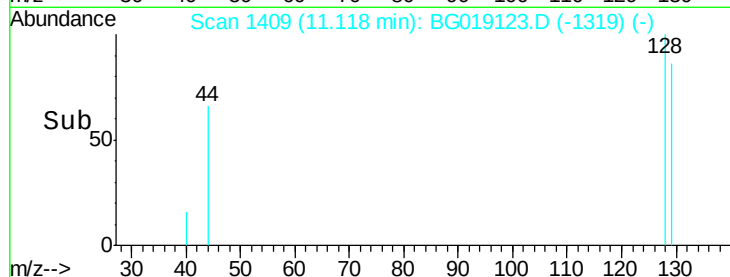
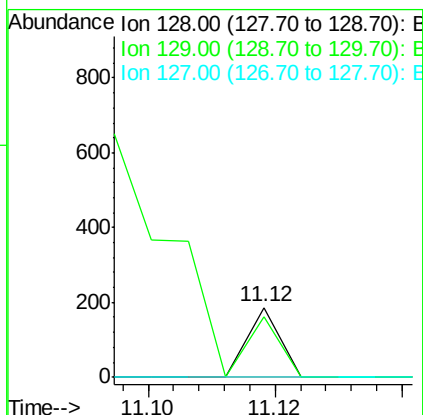
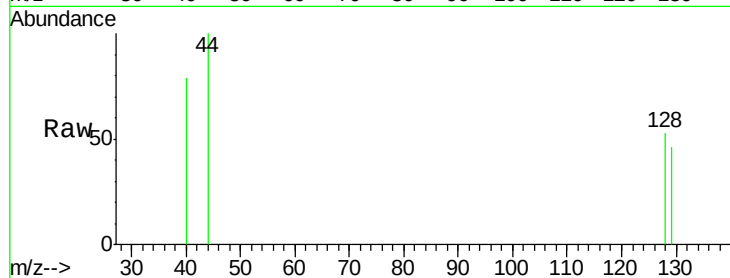




#31
Naphthalene
Concen: 0.02 ng
RT: 11.12 min Scan# 1409
Delta R.T. 0.23 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

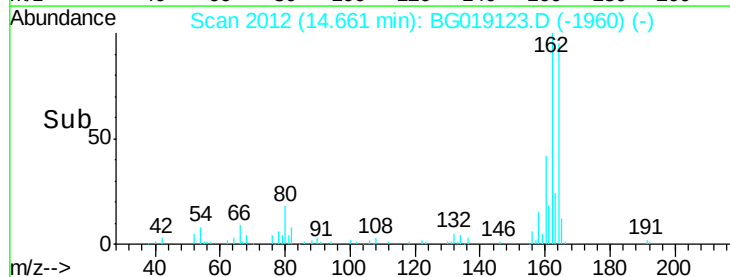
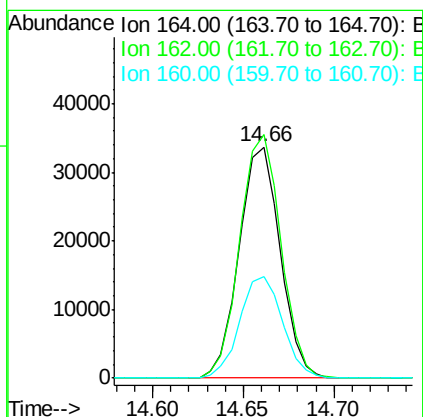
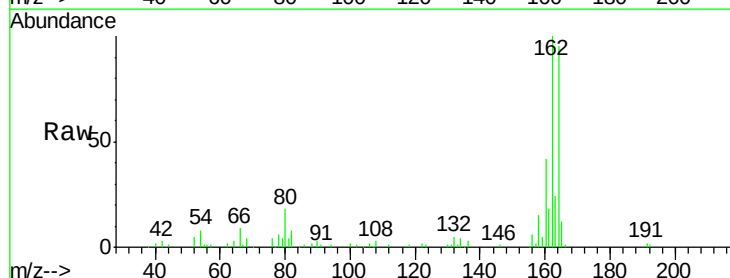
Instrument :
BNA_G
ClientSampled :

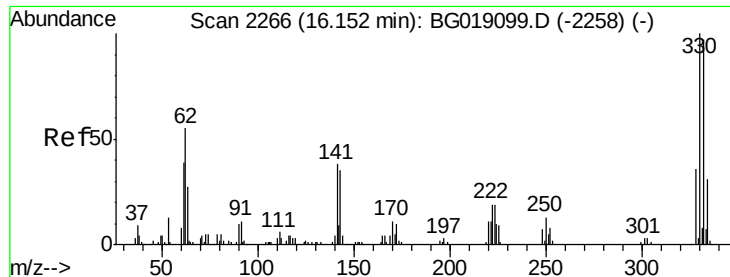
Tot Ion:128 Resp: 66
Ion Ratio Lower Upper
128 100
129 85.6 8.6 12.8#
127 0.0 11.4 17.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:164 Resp: 53137
Ion Ratio Lower Upper
164 100
162 105.3 82.6 124.0
160 43.9 36.9 55.3

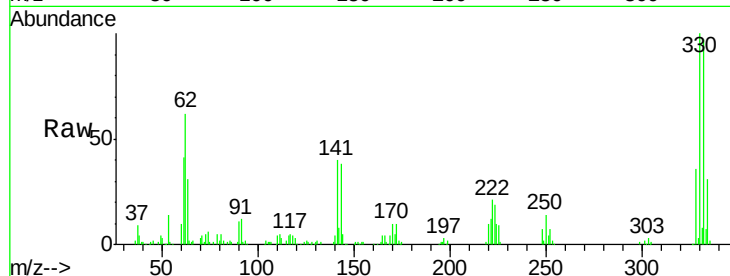




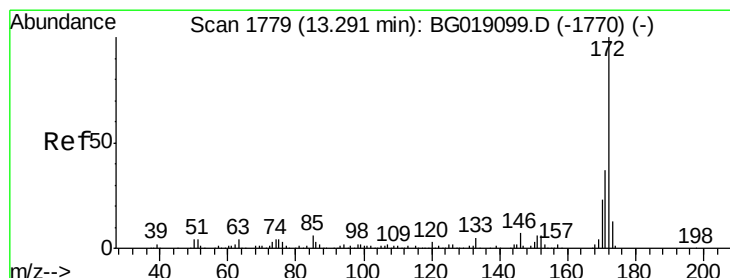
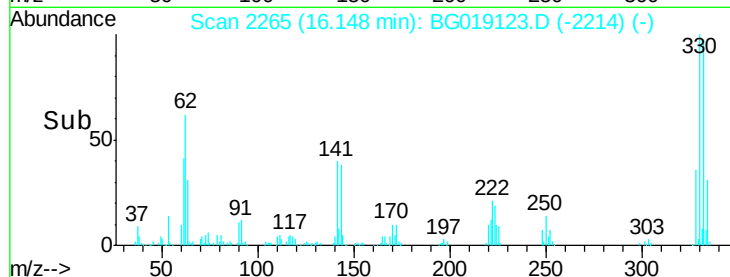
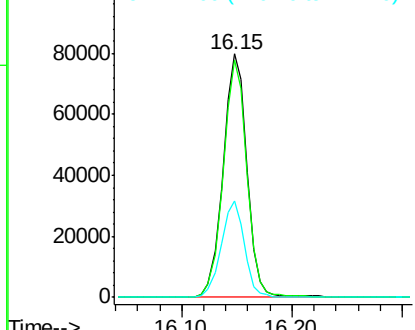
#41
 2,4,6-Tribromophenol
 Concen: 166.36 ng
 RT: 16.15 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: BG019123.D
 Acq: 10 Oct 2015 18:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 120459
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 38.5 30.7 46.1

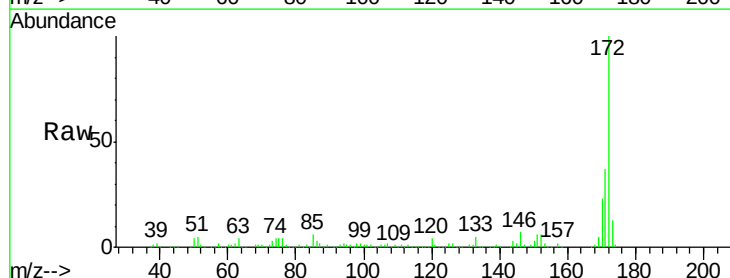


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

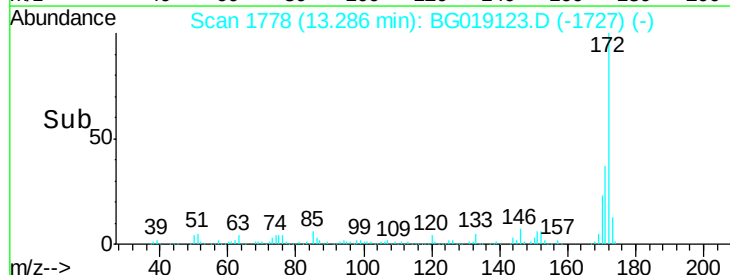
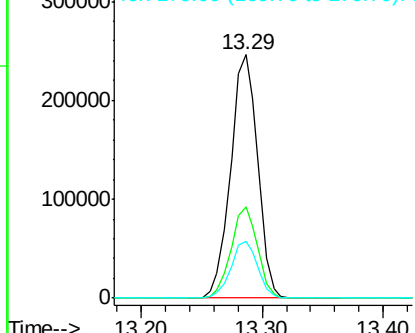


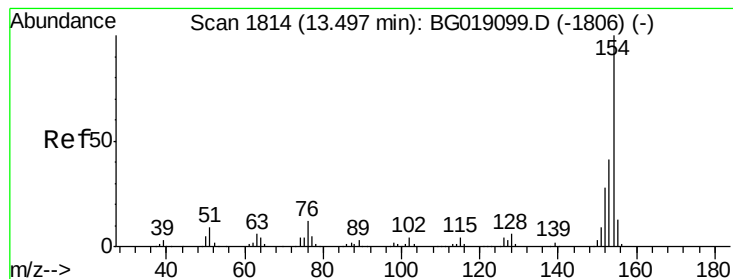
#44
 2-Fluorobiphenyl
 Concen: 110.73 ng
 RT: 13.29 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BG019123.D
 Acq: 10 Oct 2015 18:43

Tgt Ion:172 Resp: 382653
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.9 44.9
 170 23.3 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: 0.21 ng

RT: 13.29 min Scan# 1778

Delta R.T. -0.21 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

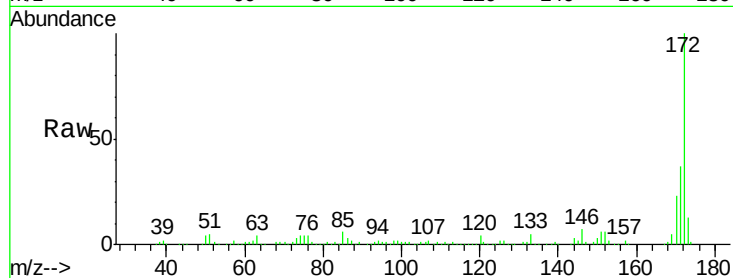
Instrument :

BNA_G

ClientSampleId :

Tot Ion:154 Resp: 824

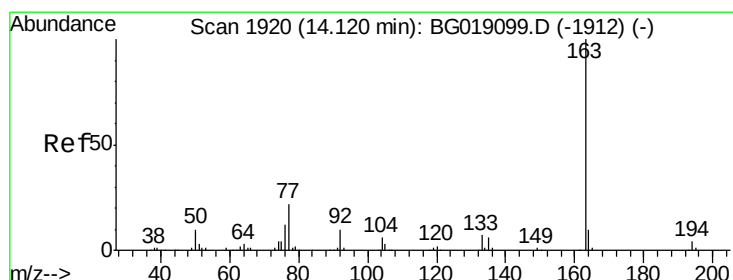
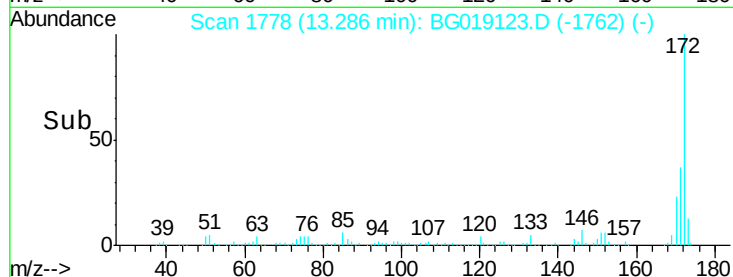
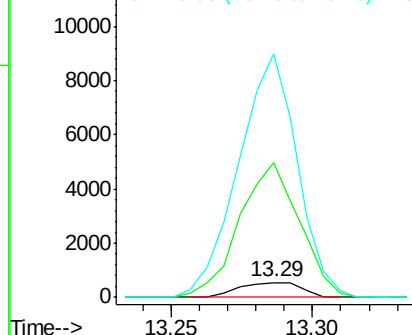
Ion	Ratio	Lower	Upper
154	100		
153	926.5	20.6	60.6#
76	1676.3	0.0	32.2#



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): BGC



#49

Dimethylphthalate

Concen: 0.70 ng

RT: 14.11 min Scan# 1918

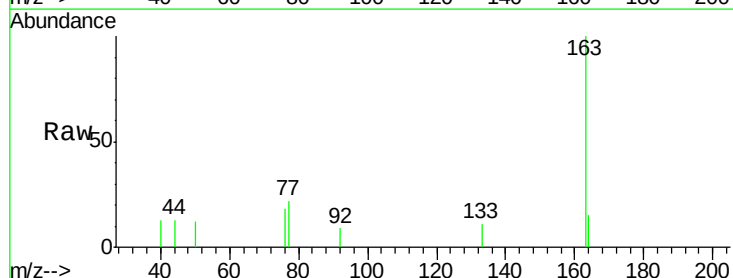
Delta R.T. -0.01 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Tgt Ion:163 Resp: 2922

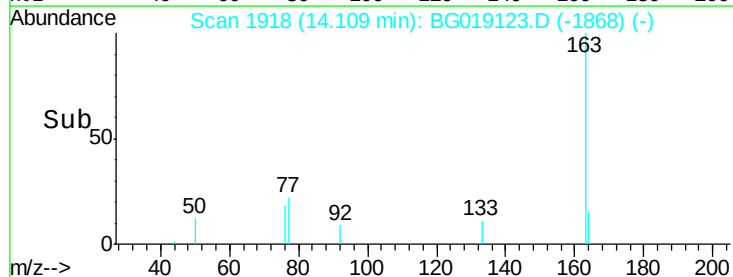
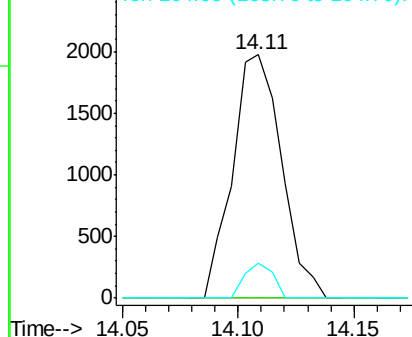
Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.2	4.8#
164	14.6	8.1	12.1#

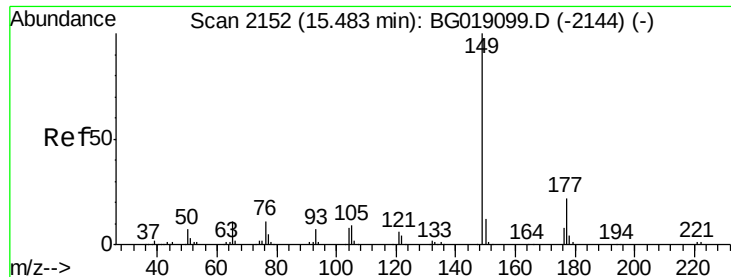


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

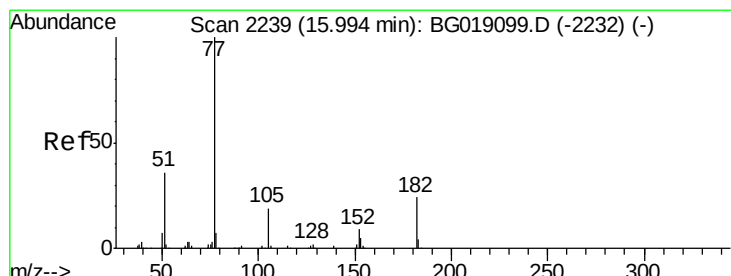
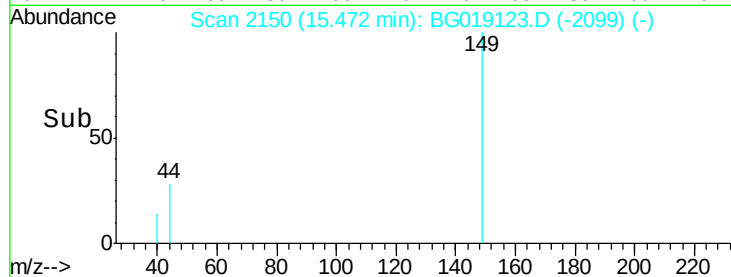
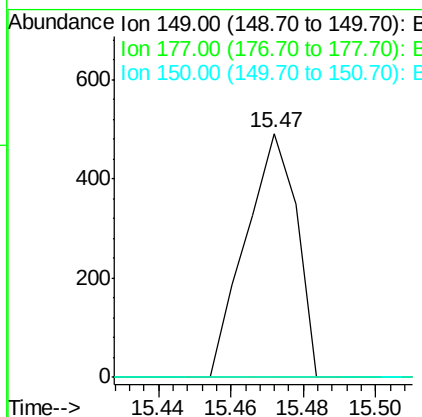
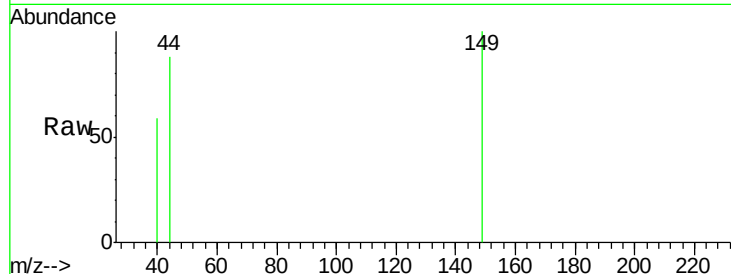




#59
Diethylphthalate
Concen: 0.11 ng
RT: 15.47 min Scan# 2150
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

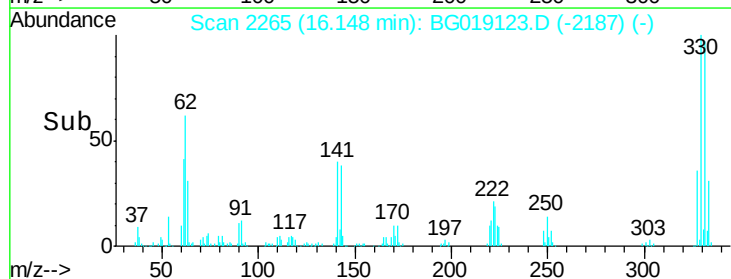
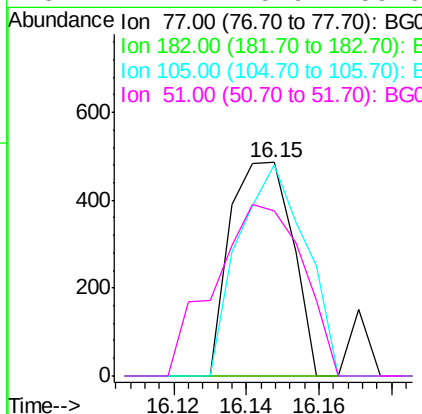
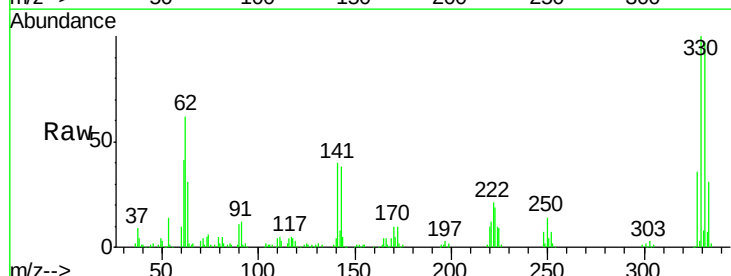
Instrument :
BNA_G
ClientSampleId :

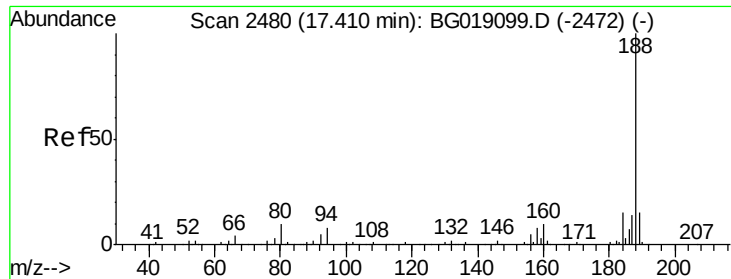
Tot Ion: 149 Resp: 477
Ion Ratio Lower Upper
149 100
177 0.0 17.7 26.5#
150 0.0 9.4 14.2#



#62
Azobenzene
Concen: 0.14 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.16 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion: 77 Resp: 579
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 99.2 0.0 39.1#
51 77.4 15.9 55.9#

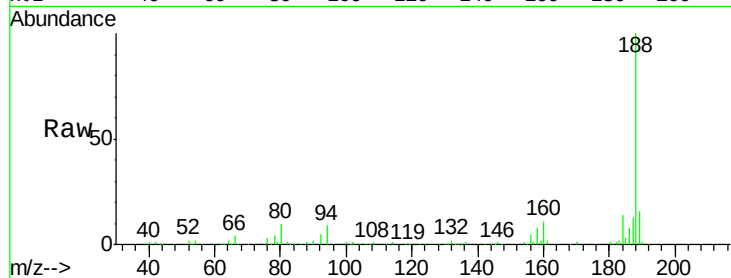




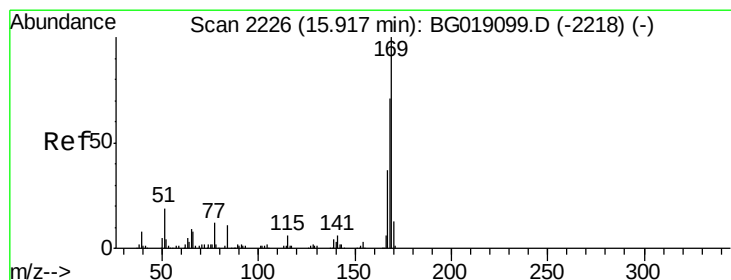
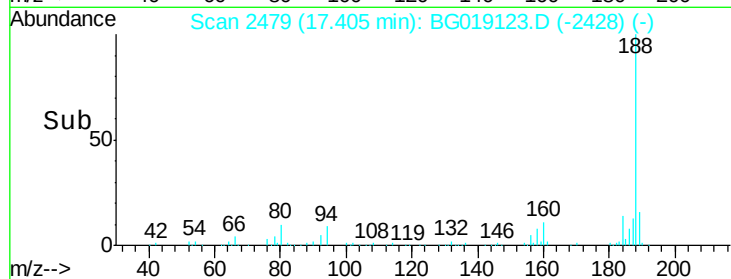
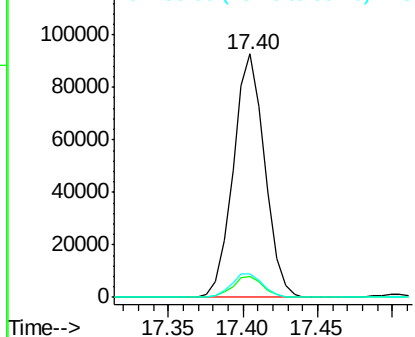
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 135685
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 9.7 7.6 11.4

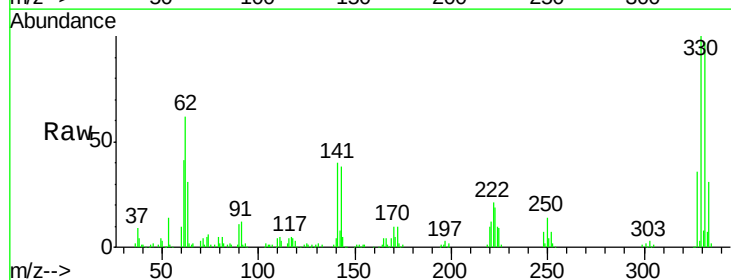


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

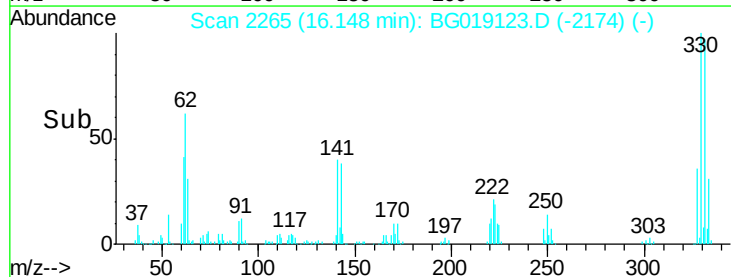
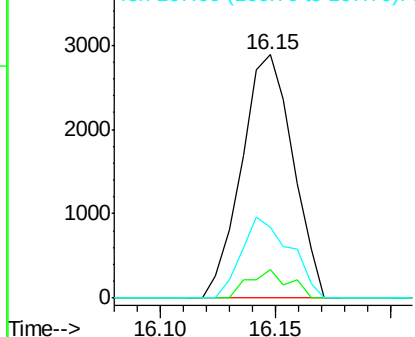


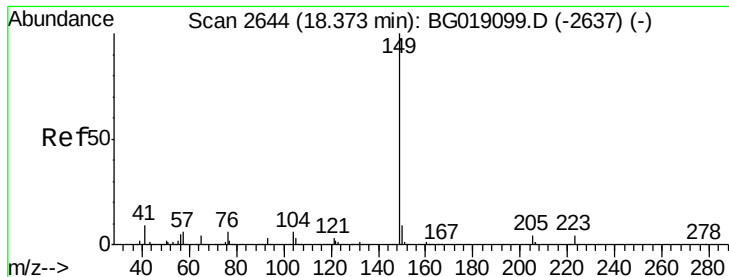
#65
n-Nitrosodiphenylamine
Concen: 1.19 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:169 Resp: 4458
Ion Ratio Lower Upper
169 100
168 11.8 56.6 84.8#
167 28.8 30.0 45.0#



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

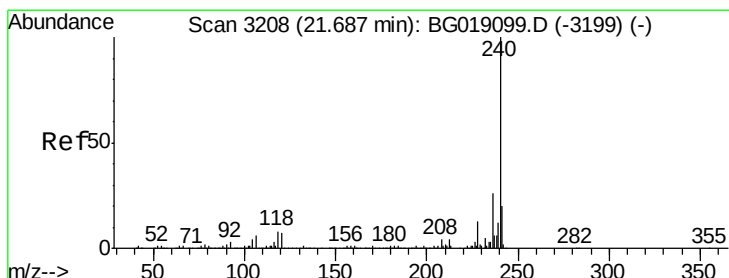
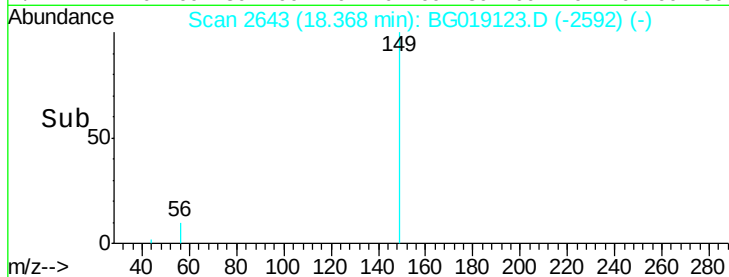
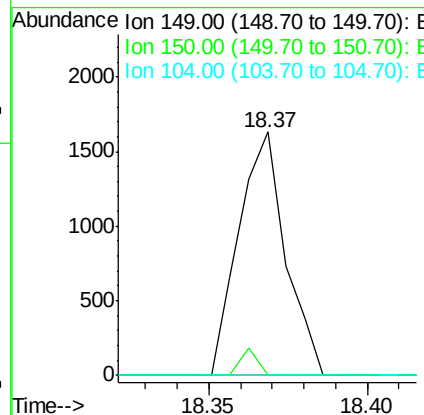
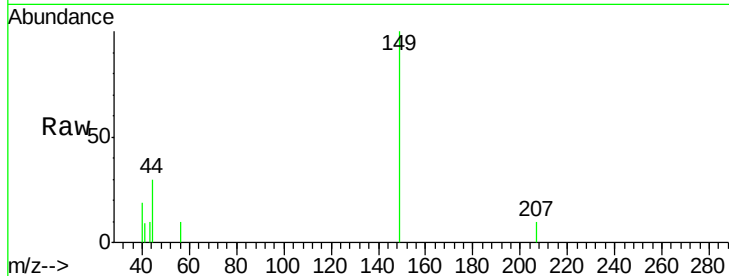




#73
Di-n-butylphthalate
Concen: 0.21 ng
RT: 18.37 min Scan# 2643
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

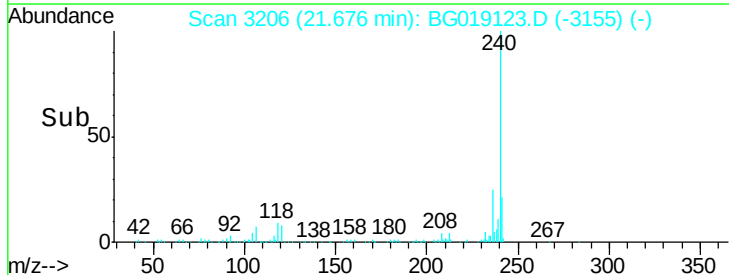
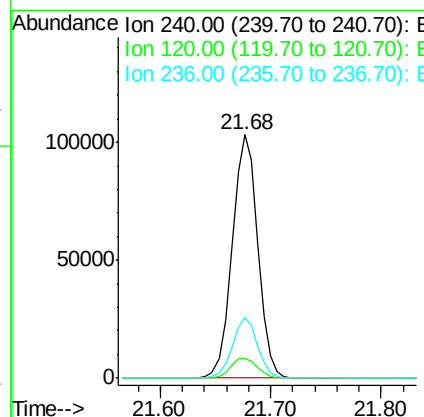
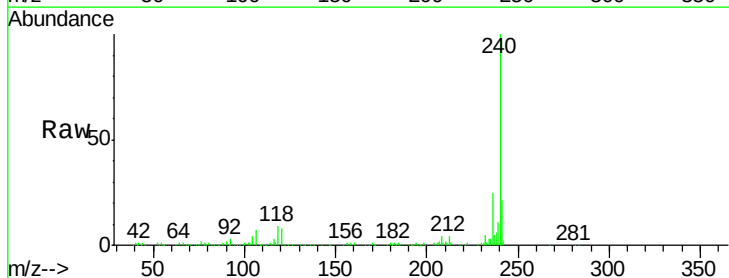
Instrument :
BNA_G
ClientSampleId :

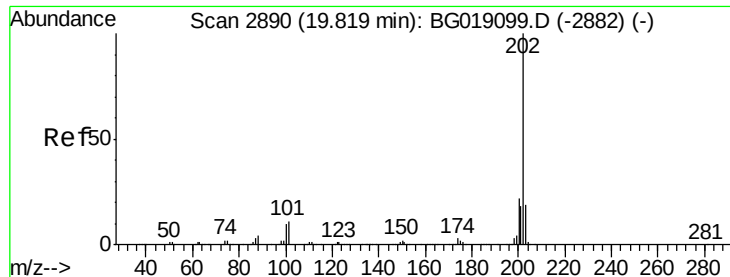
Tot Ion:149 Resp: 1663
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 5.0 7.6#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:240 Resp: 166649
Ion Ratio Lower Upper
240 100
120 8.0 5.8 8.6
236 25.0 21.2 31.8





#77

Pvrene

Concen: 0.30 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.20 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Instrument :

BNA_G

ClientSampleId :

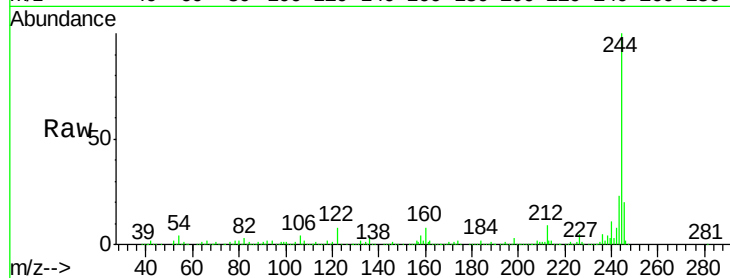
Tot Ion:202 Resp: 2767

Ion Ratio Lower Upper

202 100

200 52.3 17.4 26.2#

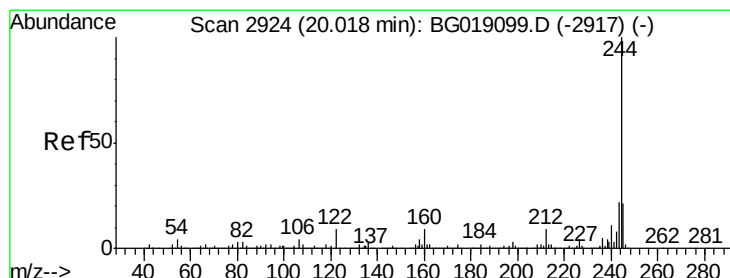
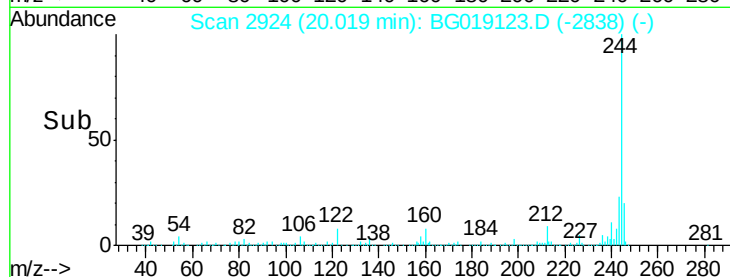
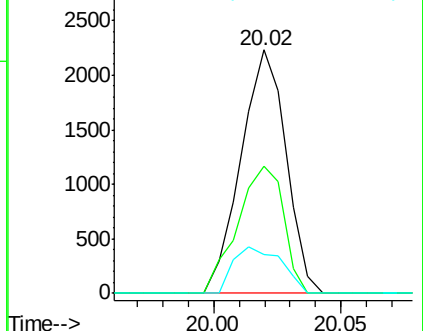
203 15.7 14.8 22.2



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: 105.42 ng

RT: 20.02 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

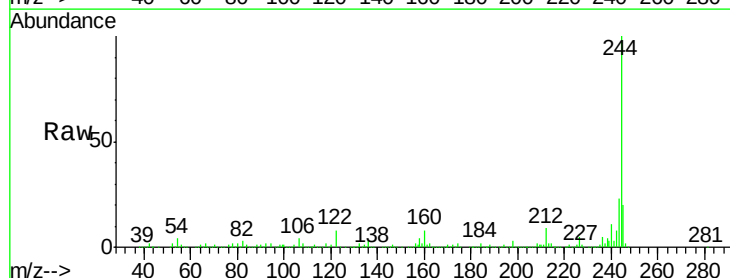
Tgt Ion:244 Resp: 665053

Ion Ratio Lower Upper

244 100

212 8.7 6.8 10.2

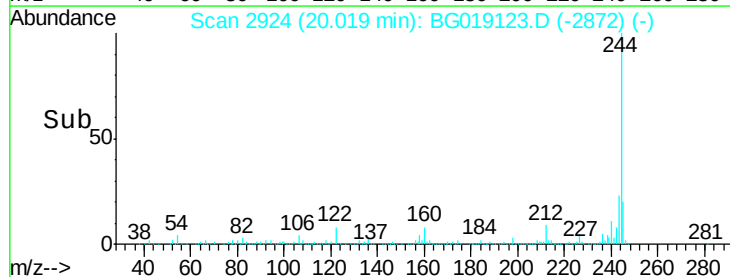
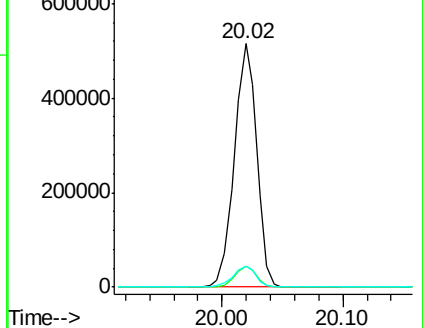
122 8.5 7.4 11.2

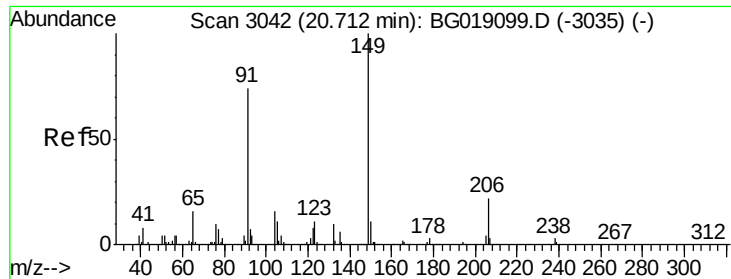


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

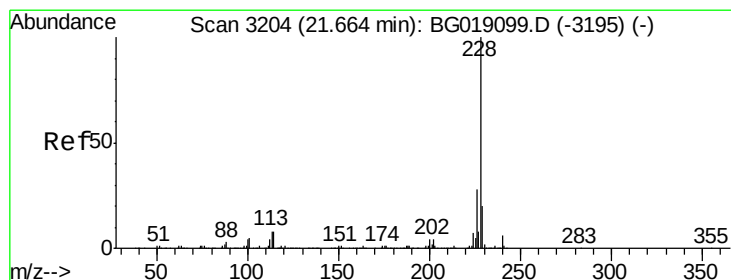
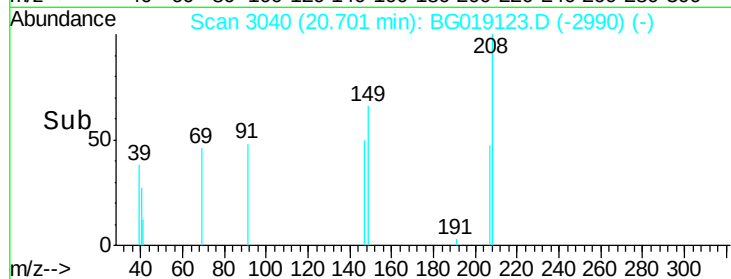
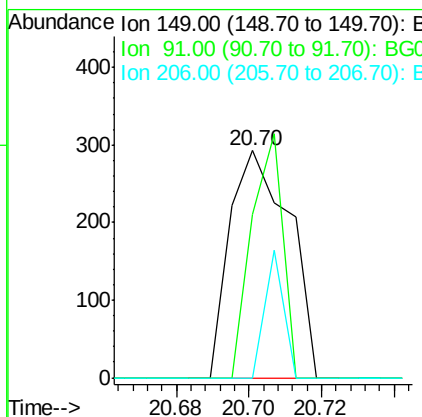
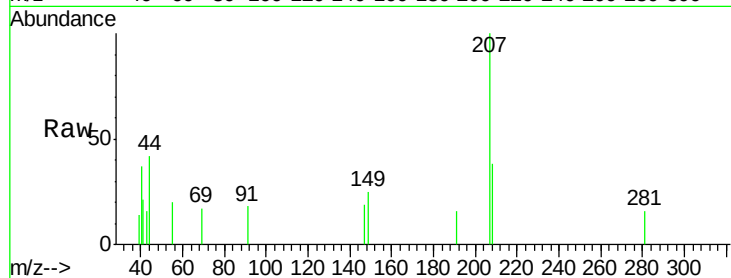




#79
 Butylbenzylphthalate
 Concen: 0.09 ng
 RT: 20.70 min Scan# 3040
 Delta R.T. -0.01 min
 Lab File: BG019123.D
 Acq: 10 Oct 2015 18:43

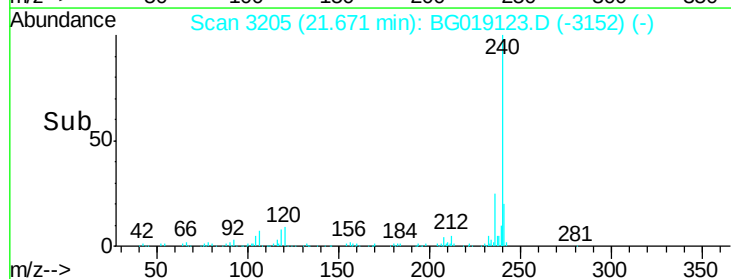
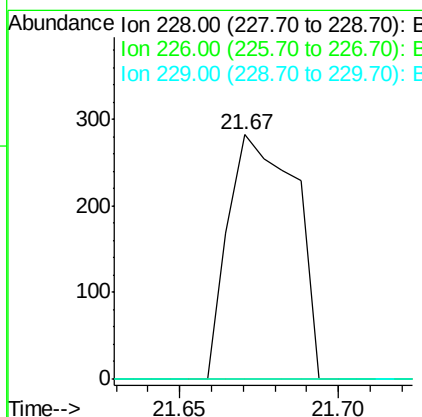
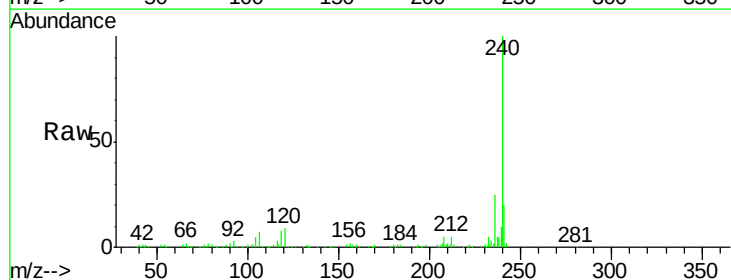
Instrument :
 BNA_G
 ClientSampled :

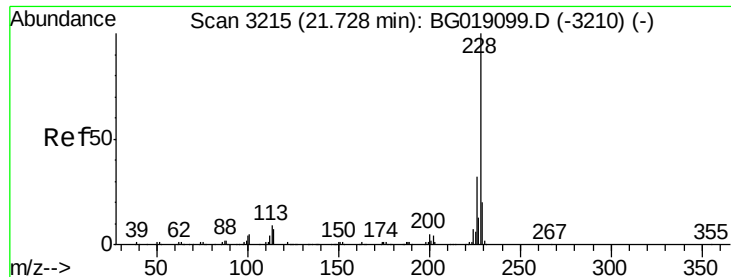
Tot Ion	Ratio	Lower	Upper
149	100		
91	72.0	59.2	88.8
206	0.0	17.5	26.3



#80
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.67 min Scan# 3205
 Delta R.T. 0.01 min
 Lab File: BG019123.D
 Acq: 10 Oct 2015 18:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.4	33.6
229	0.0	16.2	24.2





#82

Chrysene

Concen: 0.05 ng

RT: 21.67 min Scan# 3205

Delta R.T. -0.06 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Instrument :

BNA_G

ClientSampleId :

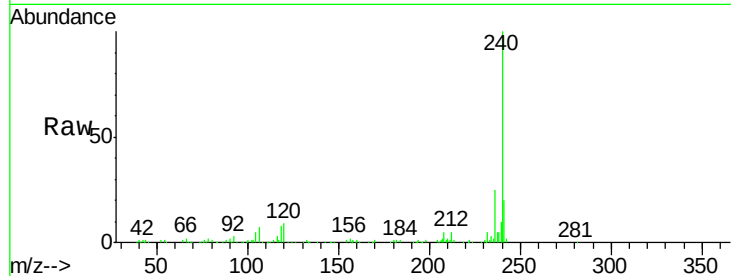
Tot Ion:228 Resp: 415

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

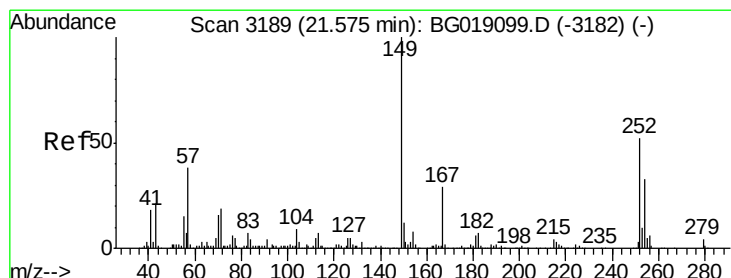
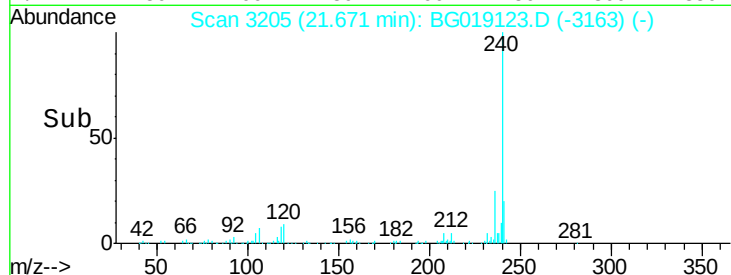
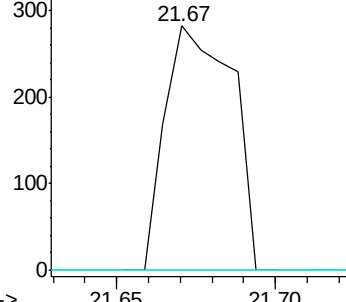
229 0.0 16.3 24.5#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.21 ng

RT: 21.57 min Scan# 3188

Delta R.T. -0.00 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

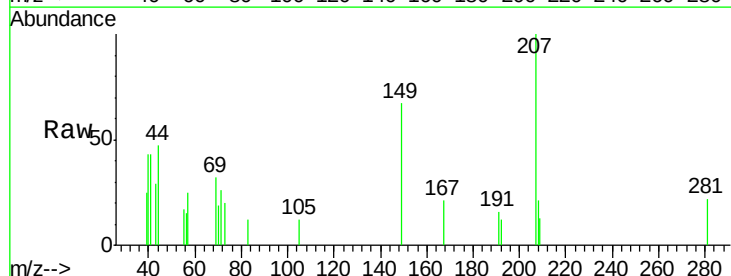
Tgt Ion:149 Resp: 1135

Ion Ratio Lower Upper

149 100

167 31.6 22.8 34.2

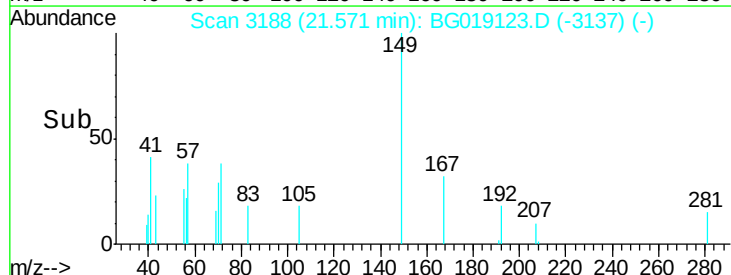
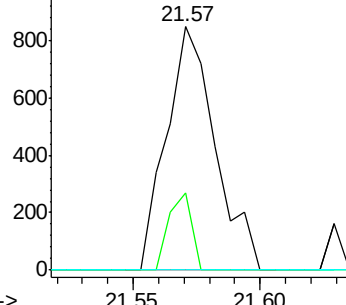
279 0.0 3.6 5.4#

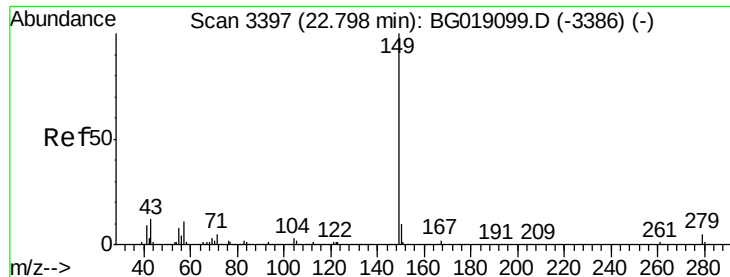


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.02 ng

RT: 22.79 min Scan# 3395

Delta R.T. -0.00 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Instrument :

BNA_G

ClientSampleId :

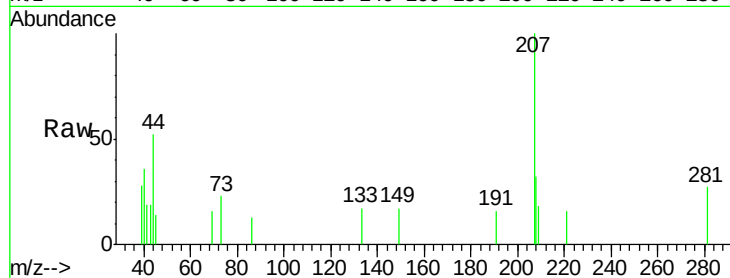
Tot Ion:149 Resp: 209

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

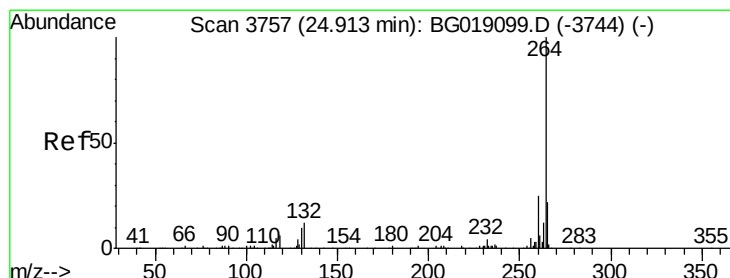
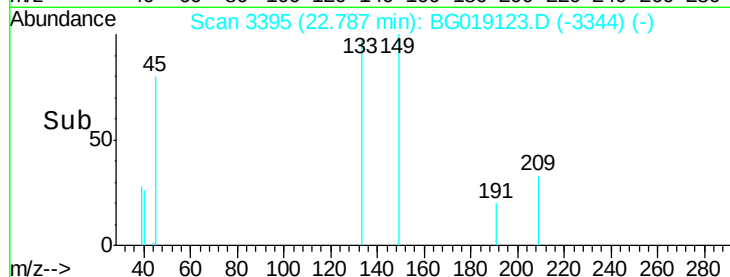
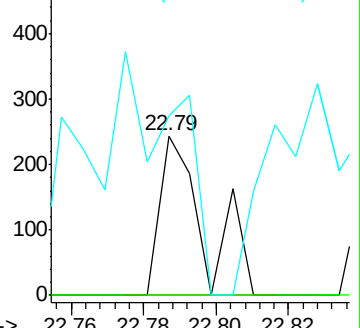
43 306.2 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.90 min Scan# 3755

Delta R.T. -0.00 min

Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

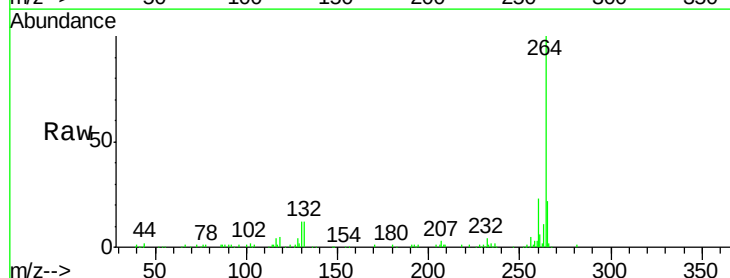
Tgt Ion:264 Resp: 159900

Ion Ratio Lower Upper

264 100

260 23.4 20.1 30.1

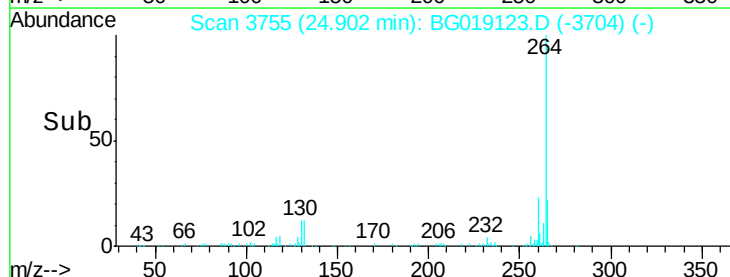
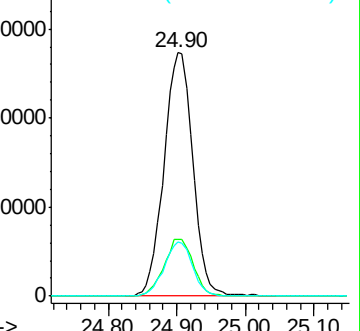
265 22.0 17.2 25.8

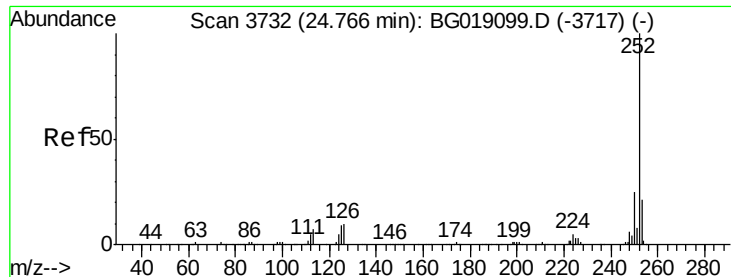


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.06 ng

RT: 24.90 min Scan# 3754

Delta R.T. 0.14 min

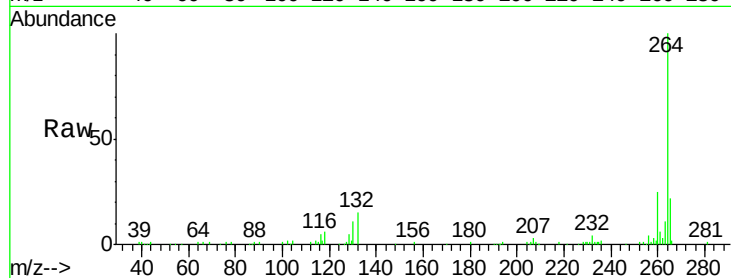
Lab File: BG019123.D

Acq: 10 Oct 2015 18:43

Instrument :

BNA_G

ClientSampleId :



Tot Ion:	252	Resp:	520
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.0	25.4#
125	0.0	7.2	10.8#

