

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010719\
 Data File : BG038971.D
 Acq On : 7 Jan 2019 17:54
 Operator : JU/SJ
 Sample : K1061-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 03:09:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	28003	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	104357	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	70146	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	171310	20.00	ng	-0.01
76) Chrysene-d12	21.71	240	176244	20.00	ng	-0.02
87) Perylene-d12	25.00	264	190224	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	87582	55.47	ng	0.00
7) Phenol-d6	7.21	99	74242	34.25	ng	0.00
23) Nitrobenzene-d5	9.22	82	150085	73.47	ng	-0.02
42) 2,4,6-Tribromophenol	16.18	330	130196	134.68	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	395128	77.28	ng	-0.02
79) Terphenyl-d14	20.03	244	685924	84.70	ng	-0.01

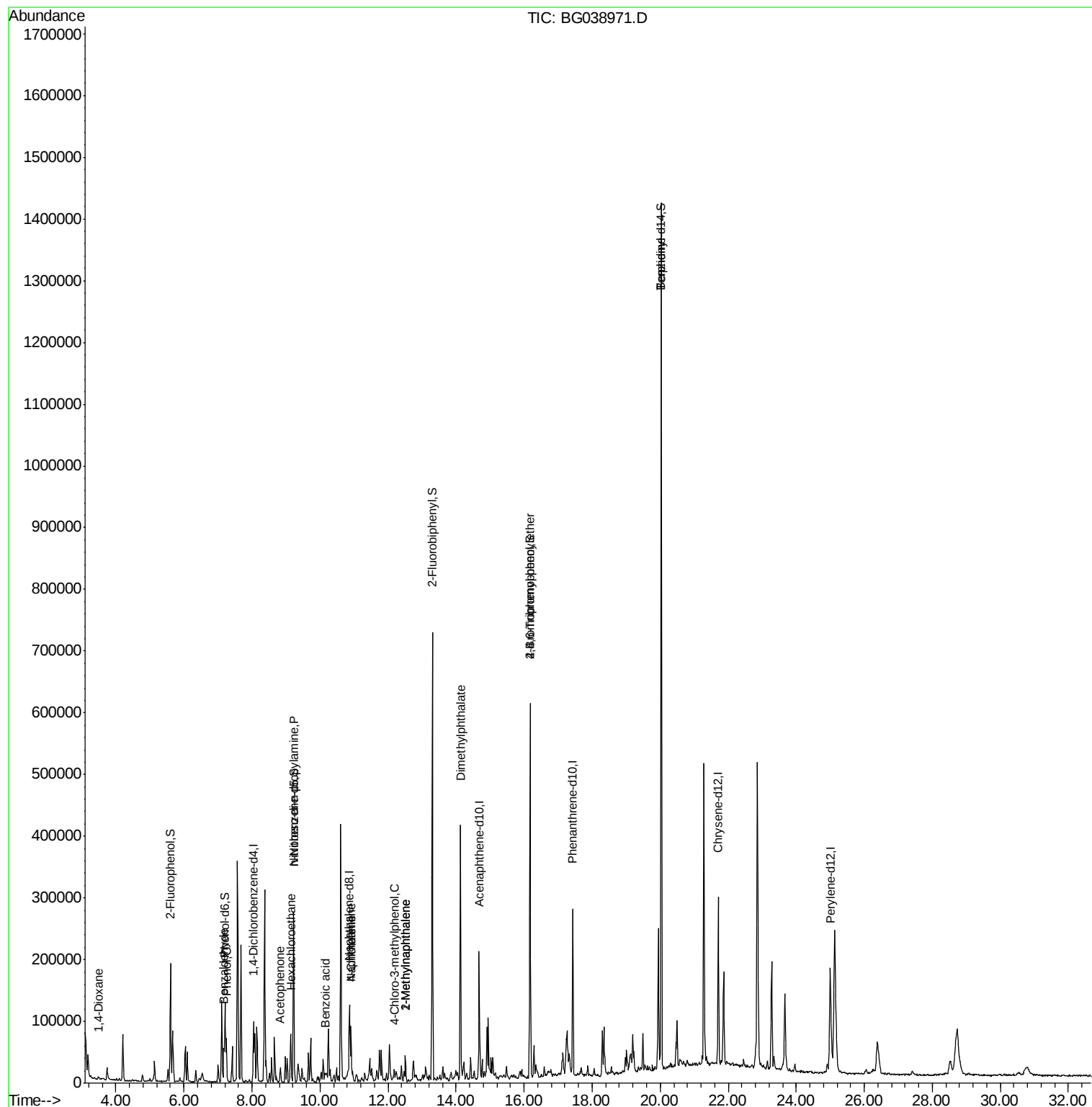
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	1667	2.269	ng	# 18
9) Benzaldehyde	7.17	77	4010	2.852	ng	# 1
10) Phenol	7.24	94	4659	2.023	ng	# 72
18) Hexachloroethane	9.15	117	7504	9.282	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	21091	13.855	ng	# 71
22) Acetophenone	8.83	105	15455	5.929	ng	# 50
31) Naphthalene	10.91	128	67319	13.093	ng	98
32) Benzoic acid	10.15	122	7319	16.156	ng	95
33) 4-Chloroaniline	10.91	127	9634	4.316	ng	# 40
36) 4-Chloro-3-methylphenol	12.19	107	4560	2.370	ng	# 22
37) 2-Methylnaphthalene	12.51	142	22494	6.132	ng	95
38) 1-Methylnaphthalene	12.51	142	22494	6.319	ng	91
50) Dimethylphthalate	14.13	163	274833	47.978	ng	99
67) 4-Bromophenyl-phenylether	16.17	248	8723	4.169	ng	# 1
77) Benzidine	20.03	184	11089	2.127	ng	# 92

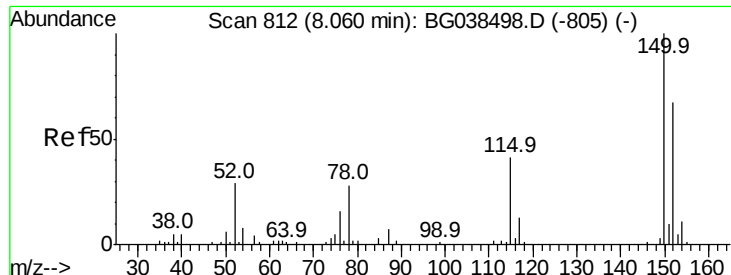
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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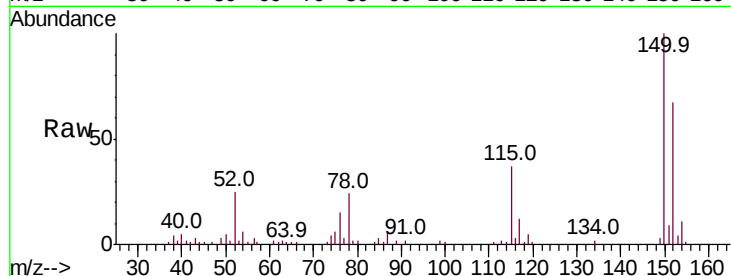


#1

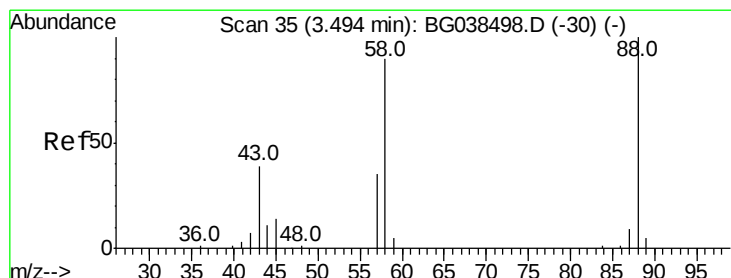
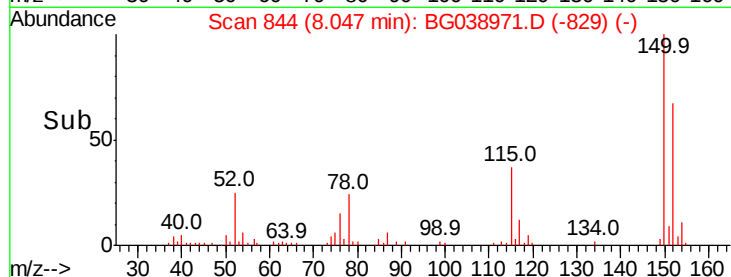
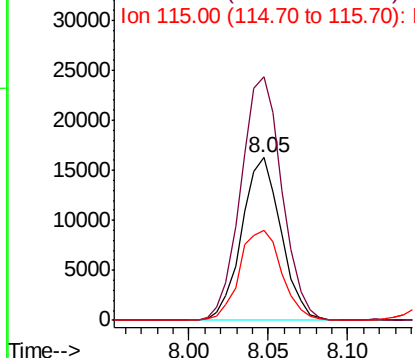
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 28003
Ion Ratio Lower Upper
152 100
150 149.7 119.5 179.3
115 55.5 49.6 74.4



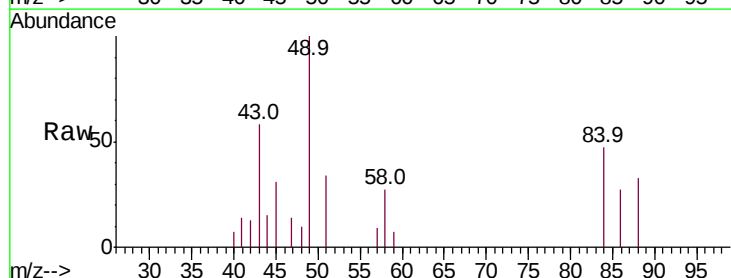
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



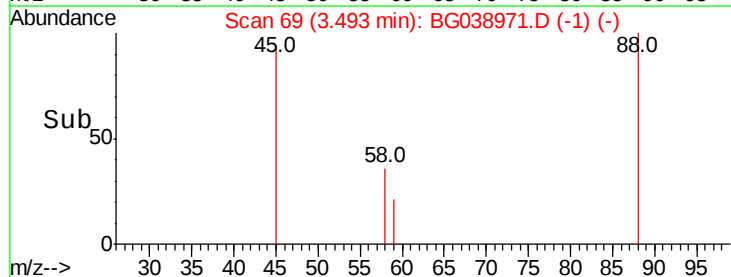
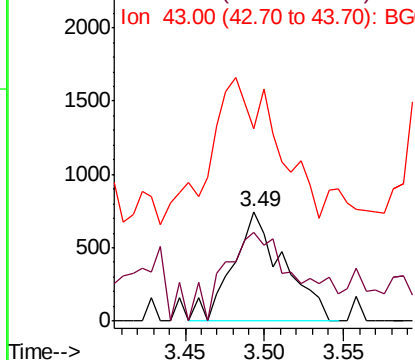
#2

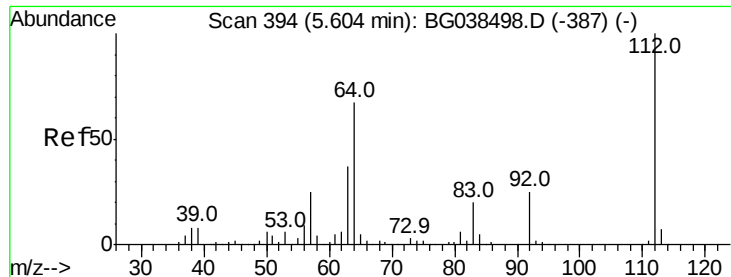
1,4-Dioxane
Concen: 2.269 ng
RT: 3.49 min Scan# 69
Delta R.T. -0.00 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Tgt Ion: 88 Resp: 1667
Ion Ratio Lower Upper
88 100
58 118.0 75.7 113.5#
43 174.6 31.6 47.4#



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: 55.473 ng

RT: 5.60 min Scan# 428

Delta R.T. -0.00 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

Instrument :

BNA_G

ClientSampleId :

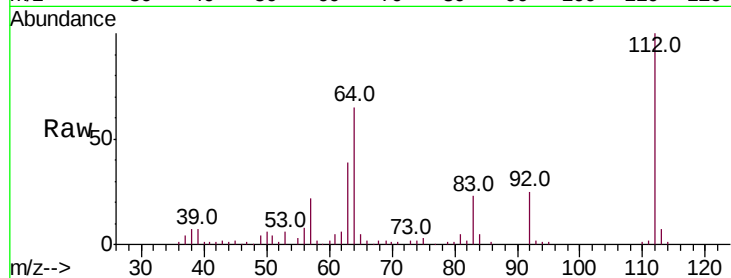
Tot Ion:112 Resp: 87582

Ion Ratio Lower Upper

112 100

64 65.1 53.4 80.2

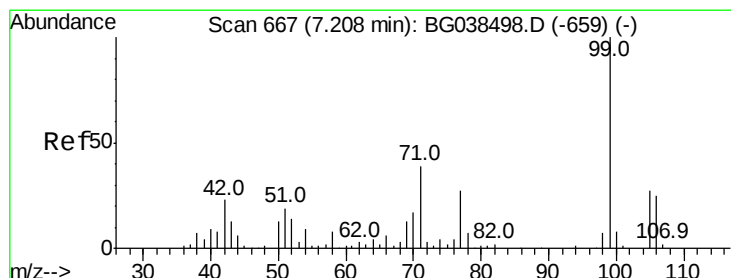
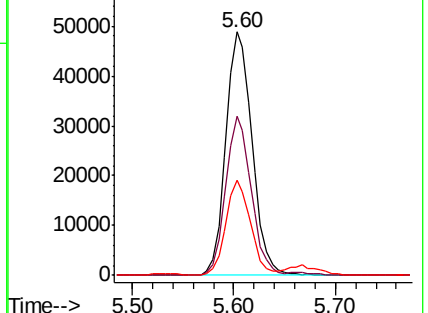
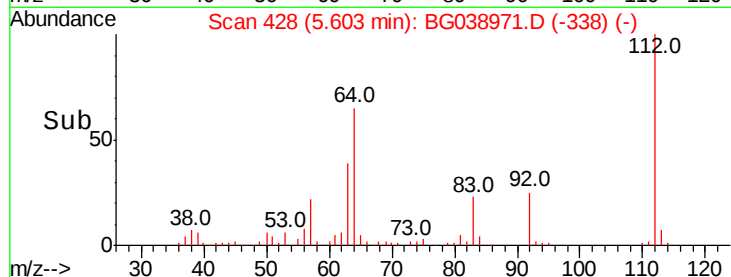
63 39.1 29.3 43.9



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: 34.253 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

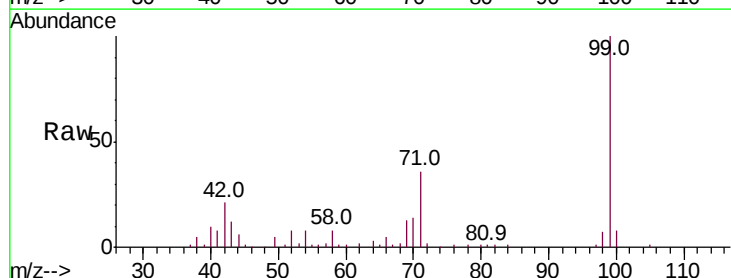
Tgt Ion: 99 Resp: 74242

Ion Ratio Lower Upper

99 100

42 21.0 18.5 27.7

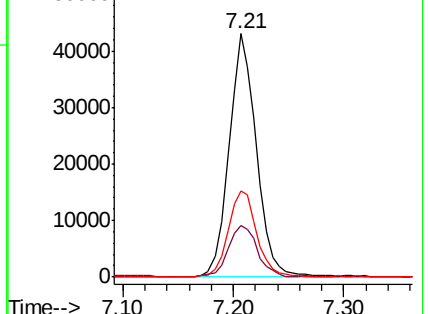
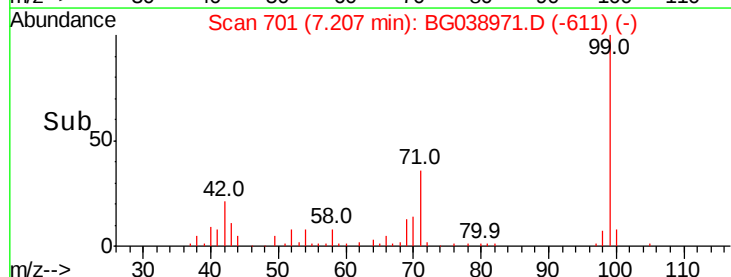
71 35.6 31.1 46.7

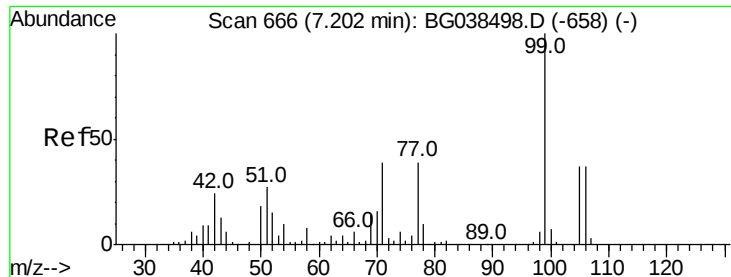


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyd

Concen: 2.852 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.03 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

Instrument :

BNA_G

ClientSampled :

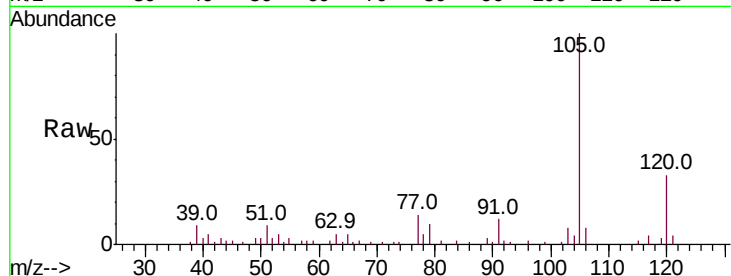
Tot Ion: 77 Resp: 4010

Ion Ratio Lower Upper

77 100

105 739.8 74.0 114.0#

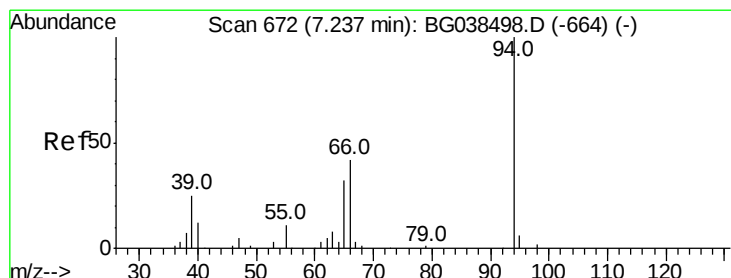
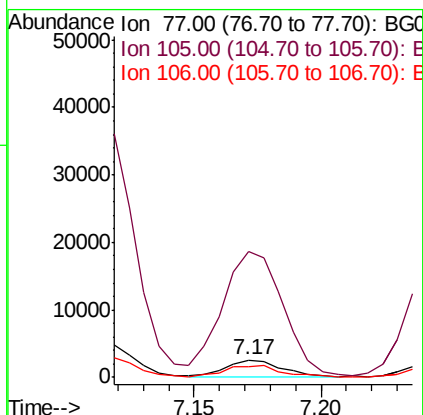
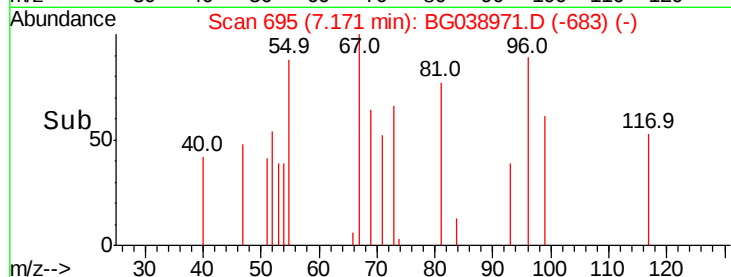
106 60.5 73.9 113.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 2.023 ng

RT: 7.24 min Scan# 706

Delta R.T. -0.00 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

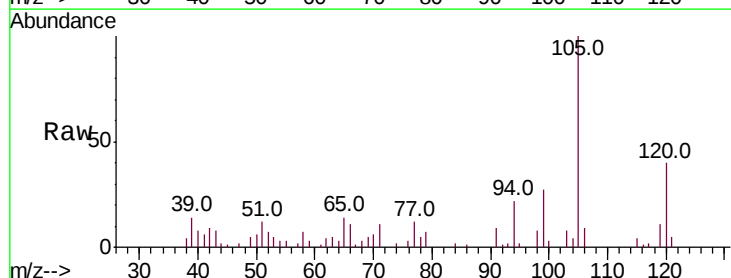
Tgt Ion: 94 Resp: 4659

Ion Ratio Lower Upper

94 100

65 63.5 12.6 52.6#

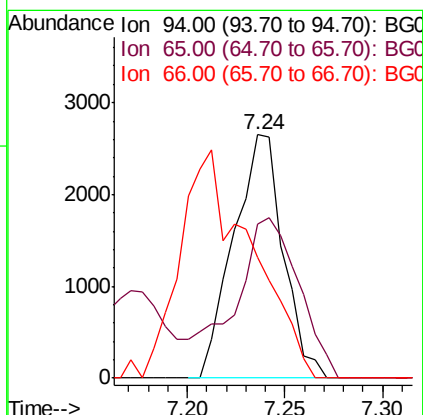
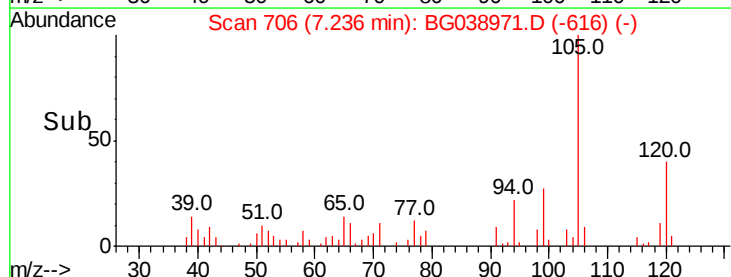
66 49.4 24.1 64.1

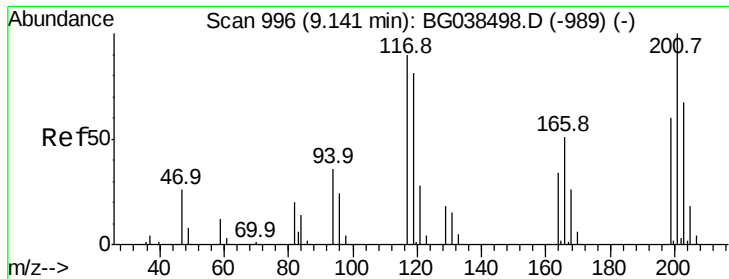


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

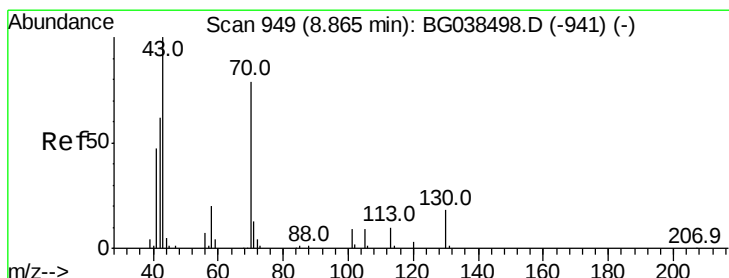
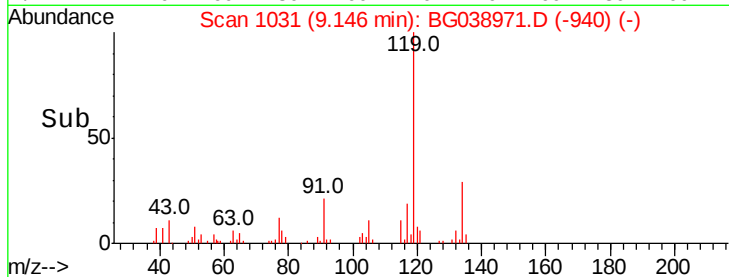
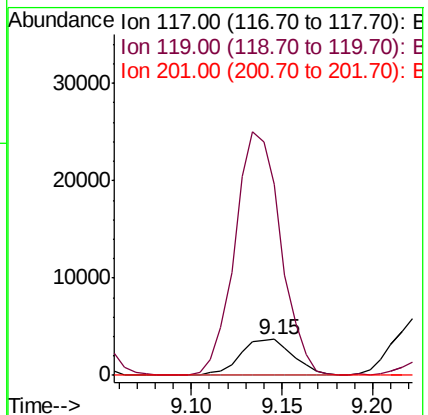
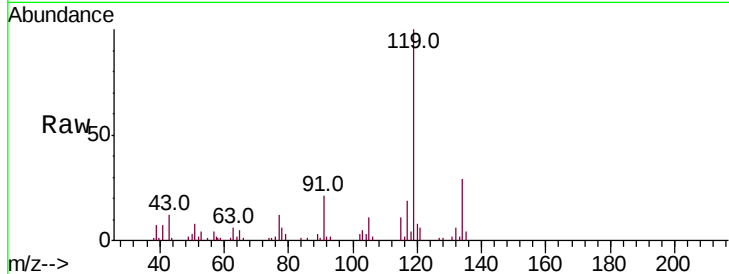




#18
Hexachloroethane
Concen: 9.282 ng
RT: 9.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

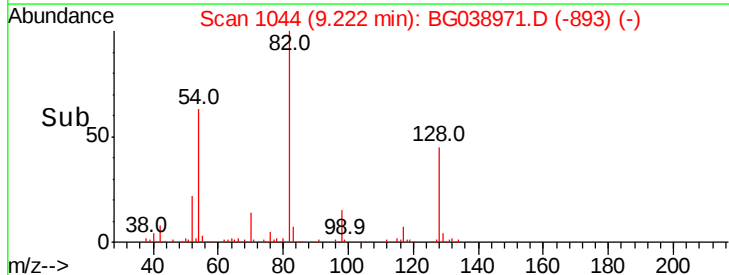
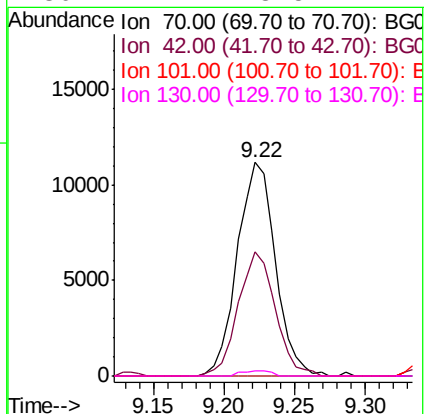
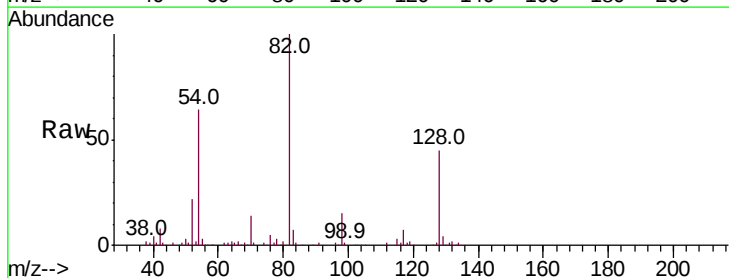
Instrument :
BNA_G
ClientSampleId :

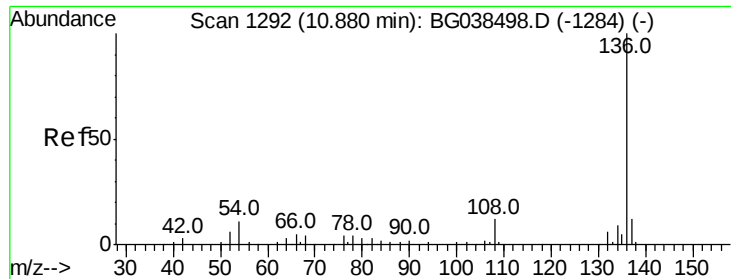
Tot Ion:117 Resp: 7504
Ion Ratio Lower Upper
117 100
119 534.6 73.8 110.8#
201 0.0 89.4 134.0#



#19
n-Nitroso-di-n-propylamine
Concen: 13.855 ng
RT: 9.22 min Scan# 1044
Delta R.T. 0.36 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Tgt Ion: 70 Resp: 21091
Ion Ratio Lower Upper
70 100
42 58.1 63.6 95.4#
101 0.0 9.2 13.8#
130 2.2 18.5 27.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

Instrument :

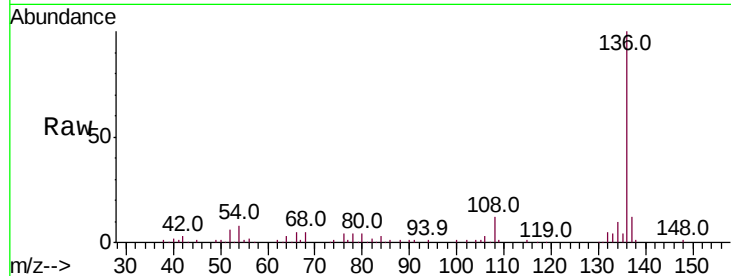
BNA_G

ClientSampleId :

Tot Ion:136 Resp: 104357

Ion Ratio Lower Upper

136	100		
137	11.7	9.3	13.9
54	8.1	8.5	12.7#
68	4.9	3.5	5.3

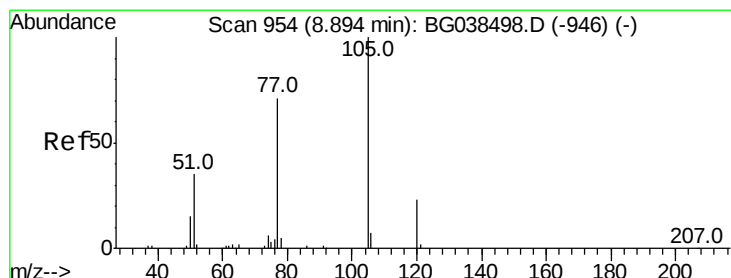
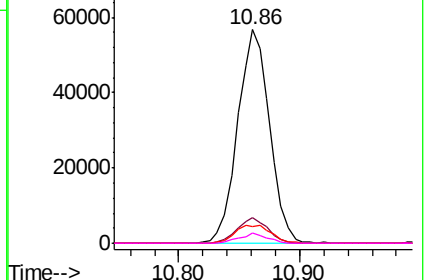
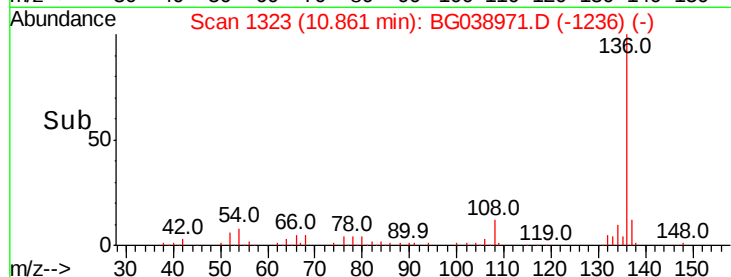


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 5.929 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.07 min

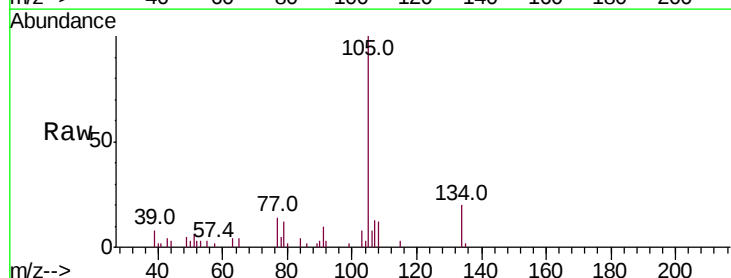
Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

Tgt Ion:105 Resp: 15455

Ion Ratio Lower Upper

105	100		
71	0.0	0.4	0.6#
51	6.4	30.6	46.0#
120	0.0	18.6	28.0#

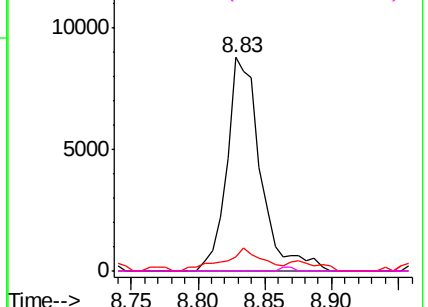
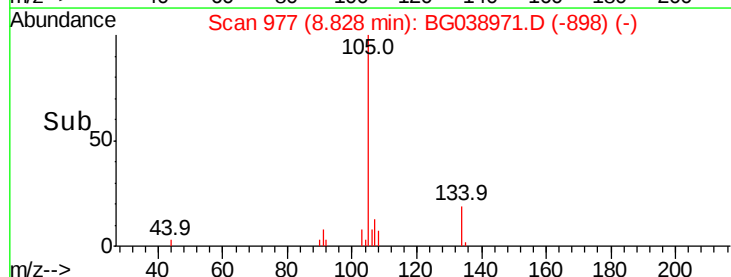


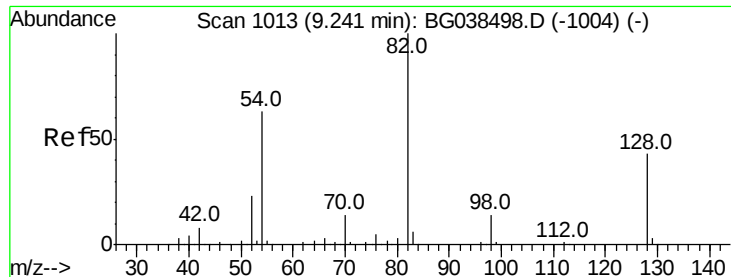
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

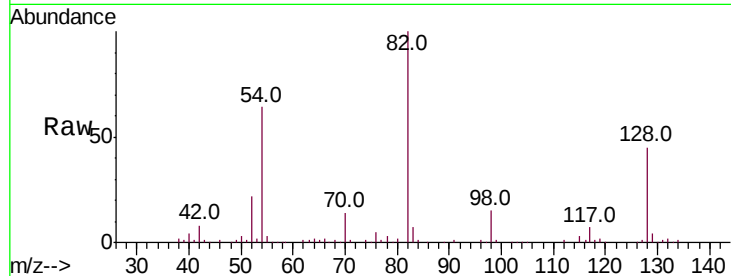




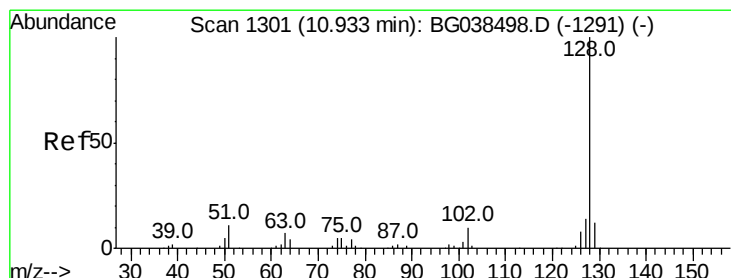
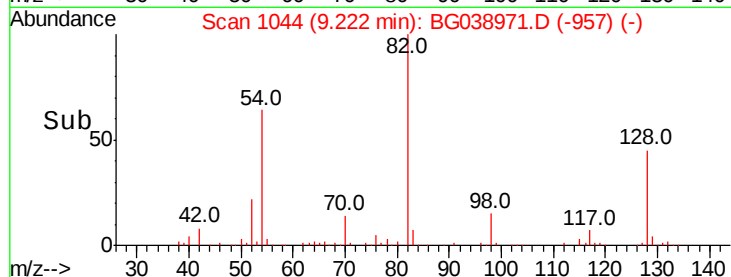
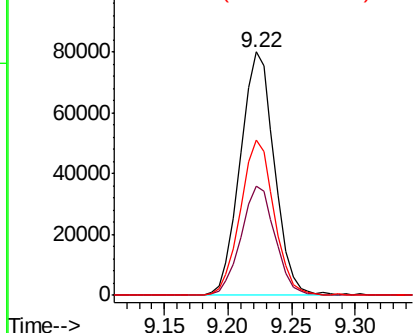
#23
Nitrobenzene-d5
Concen: 73.473 ng
RT: 9.22 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Instrument :
BNA_G
ClientSampled :

Tot Ion: 82 Resp: 150085
Ion Ratio Lower Upper
82 100
128 44.8 34.6 52.0
54 63.8 50.6 76.0

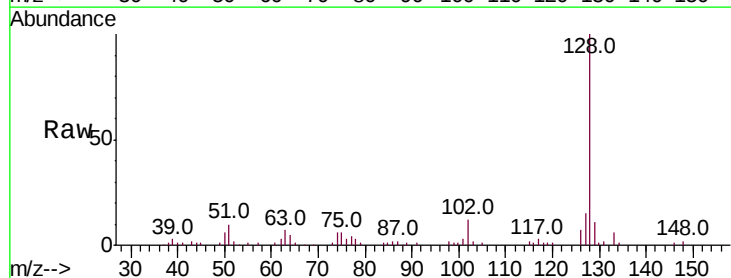


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

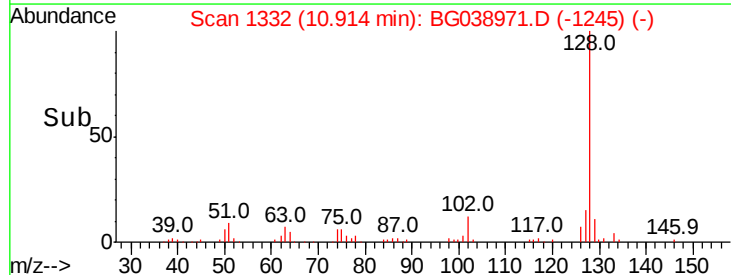
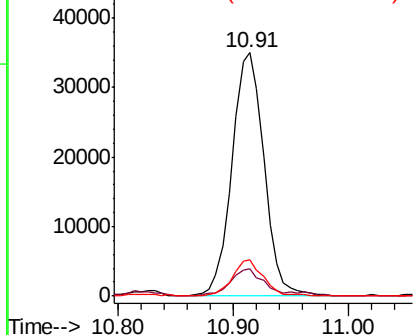


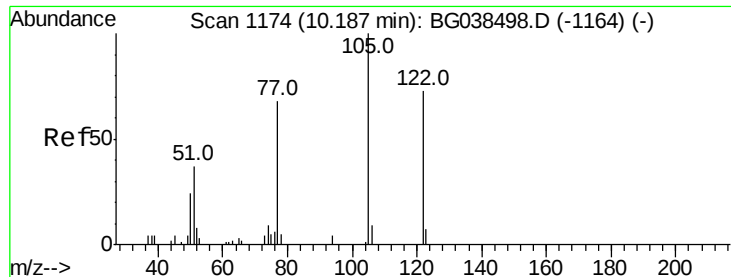
#31
Naphthalene
Concen: 13.093 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Tgt Ion: 128 Resp: 67319
Ion Ratio Lower Upper
128 100
129 11.1 9.5 14.3
127 14.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

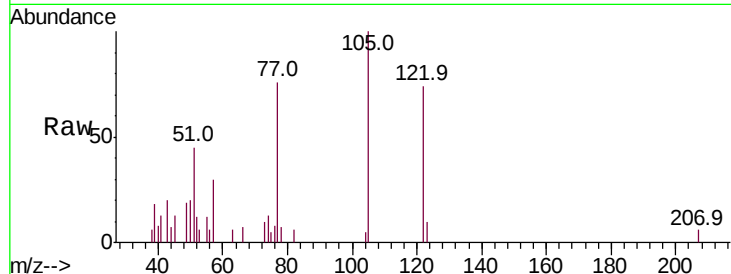




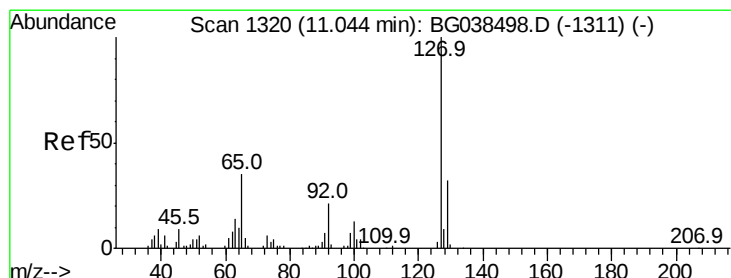
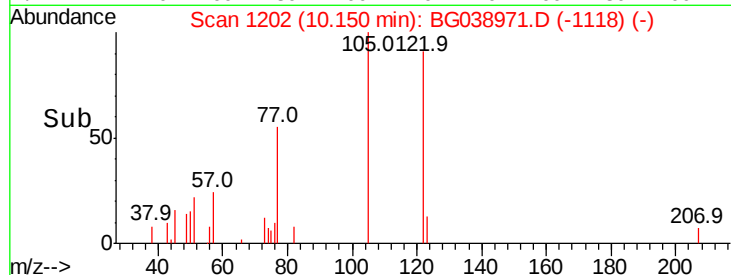
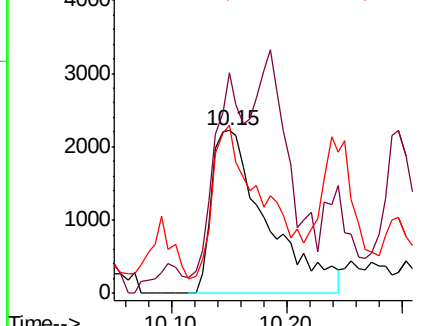
#32
Benzoic acid
Concen: 16.156 ng
RT: 10.15 min Scan# 1202
Delta R.T. -0.04 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:122 Resp: 7319
Ion Ratio Lower Upper
122 100
105 135.4 116.7 156.7
77 103.6 72.5 112.5

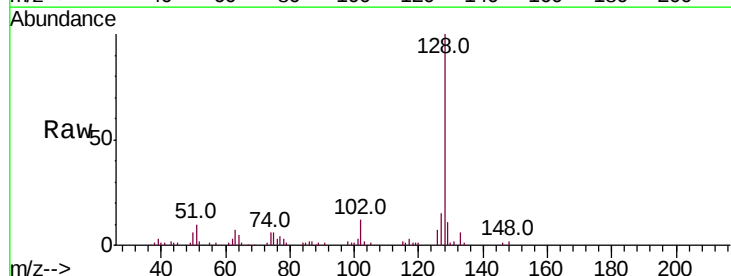


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

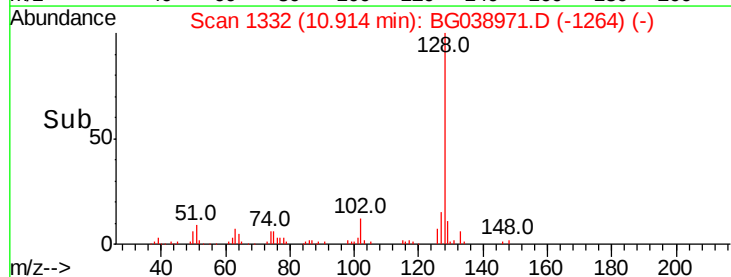
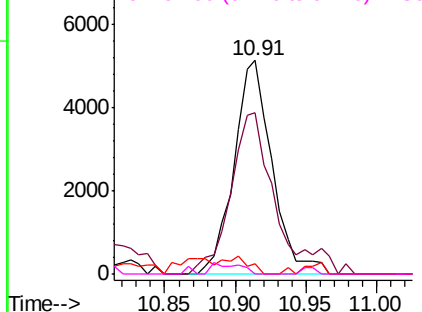


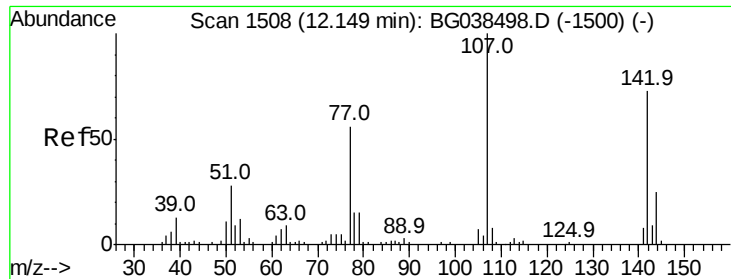
#33
4-Chloroaniline
Concen: 4.316 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.13 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Tgt Ion:127 Resp: 9634
Ion Ratio Lower Upper
127 100
129 75.7 25.8 38.8#
65 4.6 27.8 41.6#
92 0.0 17.0 25.6#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

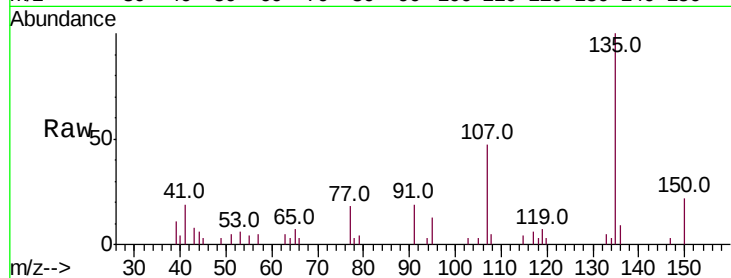




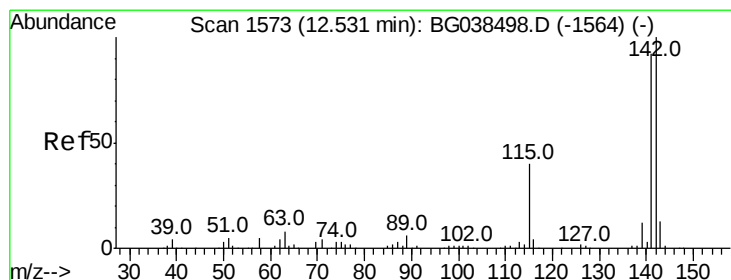
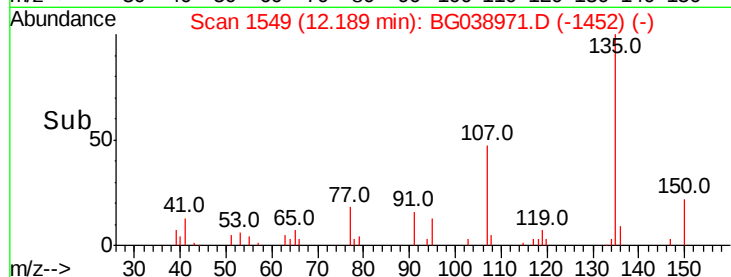
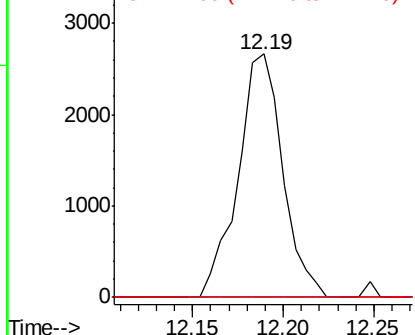
#36
 4-Chloro-3-methylphenol
 Concen: 2.370 ng
 RT: 12.19 min Scan# 1549
 Delta R.T. 0.04 min
 Lab File: BG038971.D
 Acq: 7 Jan 2019 17:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:107 Resp: 4560
 Ion Ratio Lower Upper
 107 100
 144 0.0 20.1 30.1#
 142 0.0 58.7 88.1#

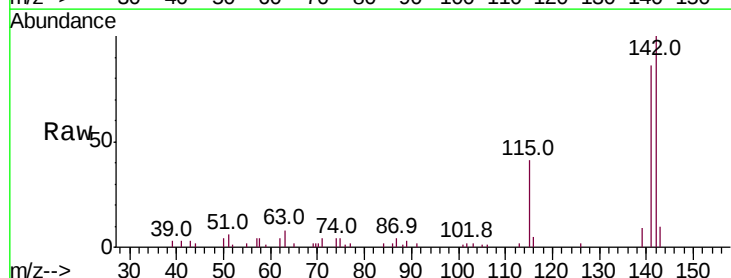


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

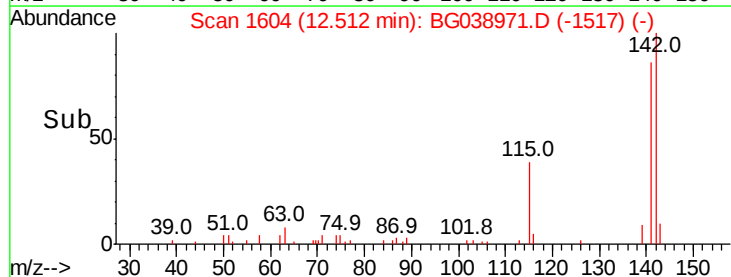
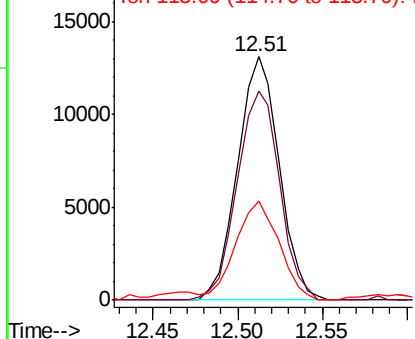


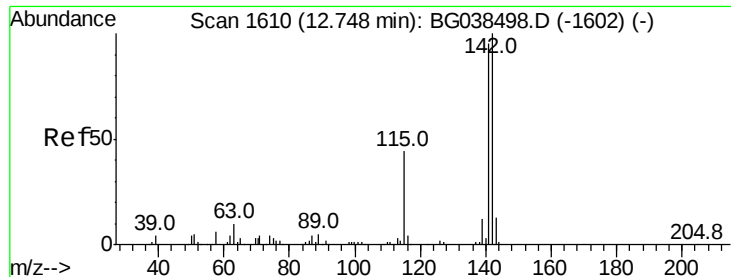
#37
 2-Methylnaphthalene
 Concen: 6.132 ng
 RT: 12.51 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BG038971.D
 Acq: 7 Jan 2019 17:54

Tgt Ion:142 Resp: 22494
 Ion Ratio Lower Upper
 142 100
 141 85.9 73.5 110.3
 115 40.6 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

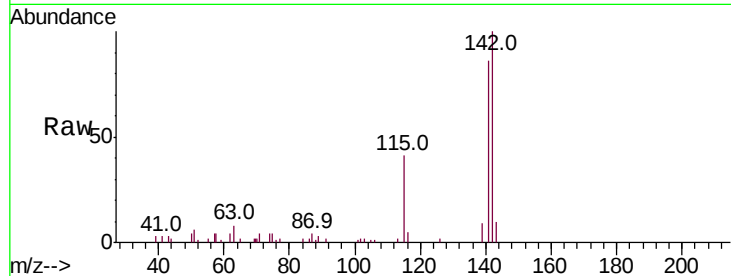




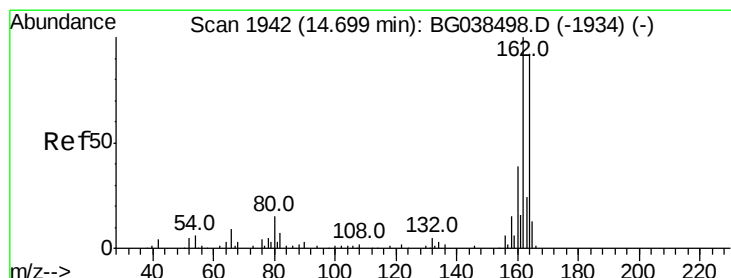
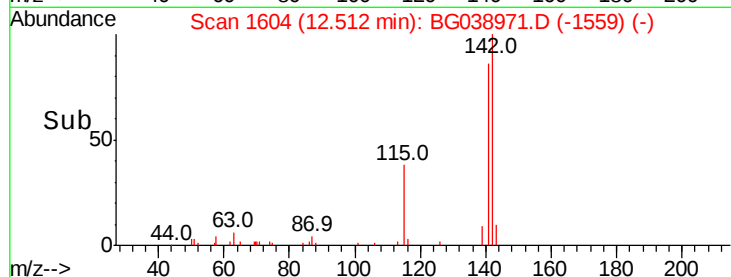
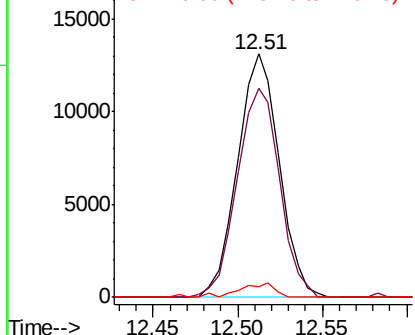
#38
 1-Methylnaphthalene
 Concen: 6.319 ng
 RT: 12.51 min Scan# 1604
 Delta R.T. -0.24 min
 Lab File: BG038971.D
 Acq: 7 Jan 2019 17:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:142 Resp: 22494
 Ion Ratio Lower Upper
 142 100
 141 85.9 75.8 113.8
 116 4.6 3.6 5.4

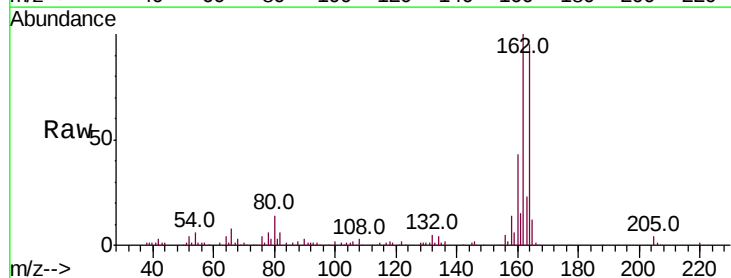


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

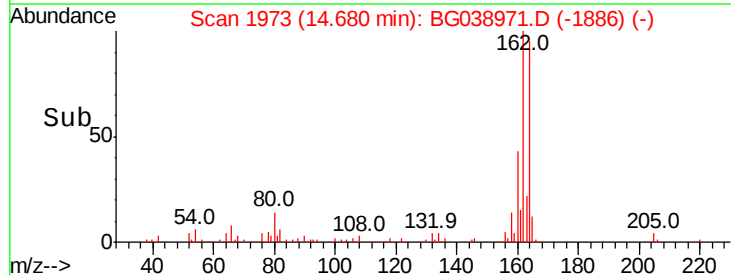
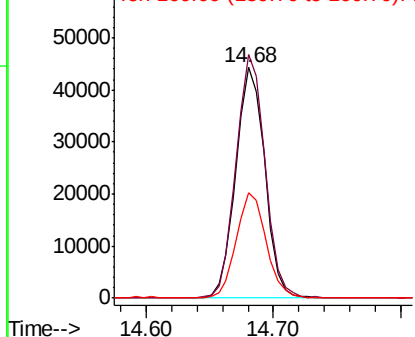


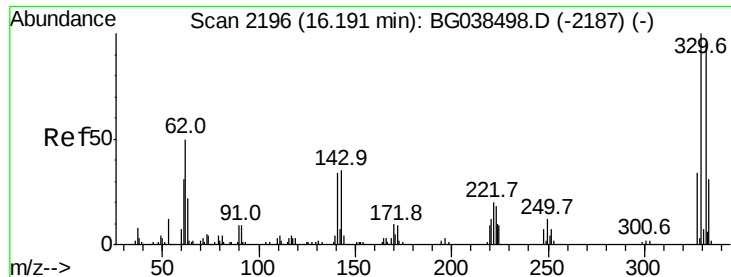
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BG038971.D
 Acq: 7 Jan 2019 17:54

Tgt Ion:164 Resp: 70146
 Ion Ratio Lower Upper
 164 100
 162 105.6 86.6 130.0
 160 45.9 34.2 51.2



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

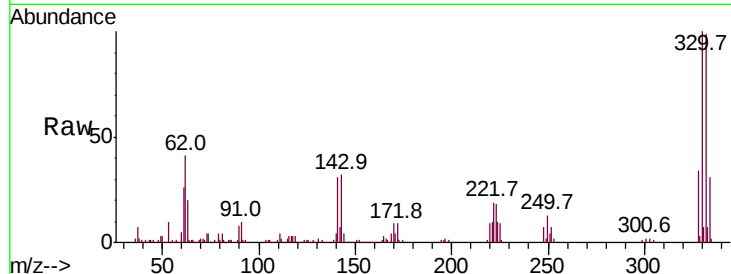




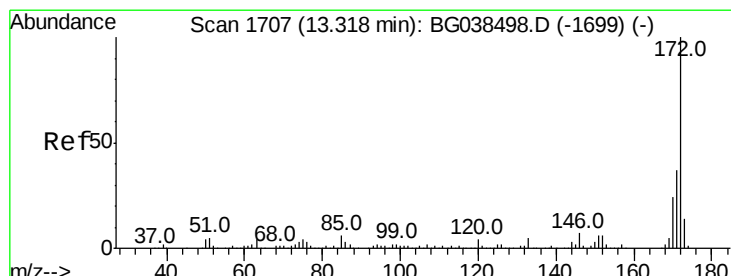
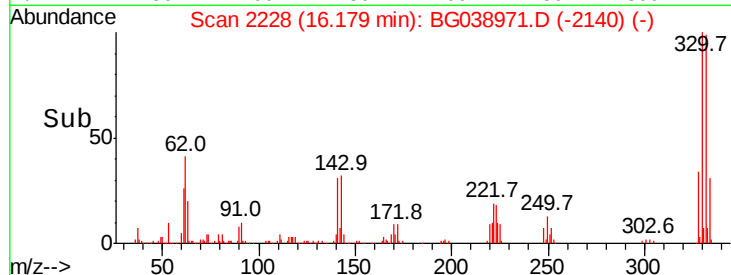
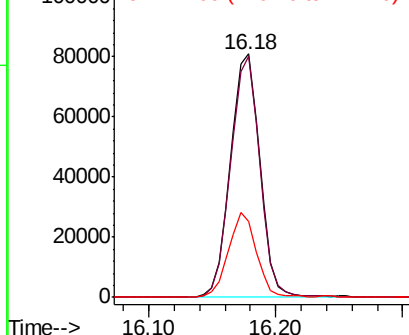
#42
 2,4,6-Tribromophenol
 Concen: 134.676 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038971.D
 Acq: 7 Jan 2019 17:54

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	33.0	28.8	43.2

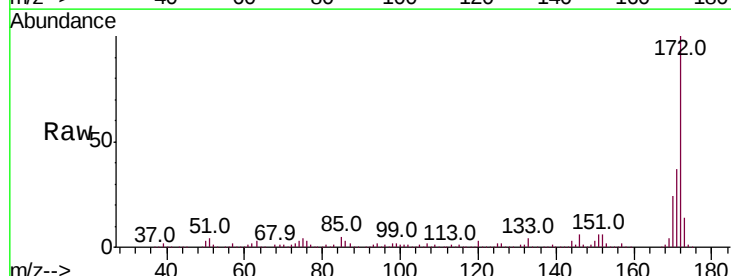


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

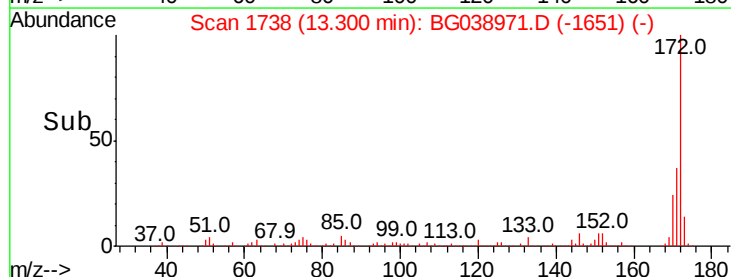
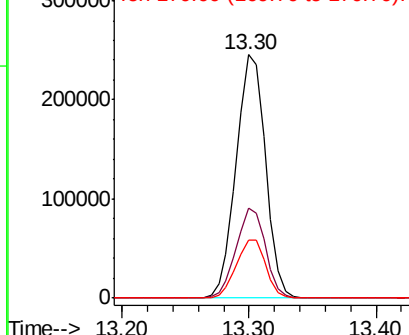


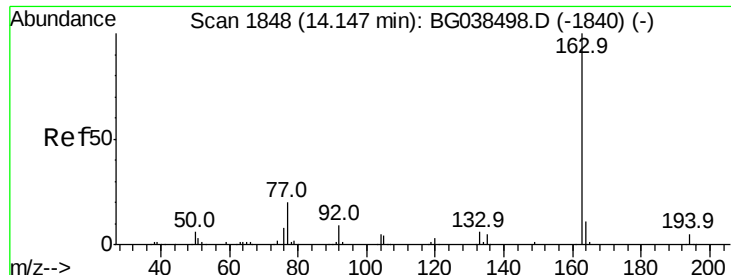
#45
 2-Fluorobiphenyl
 Concen: 77.275 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.02 min
 Lab File: BG038971.D
 Acq: 7 Jan 2019 17:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	24.1	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





#50

Dimethylphthalate

Concen: 47.978 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

Instrument :

BNA_G

ClientSampleId :

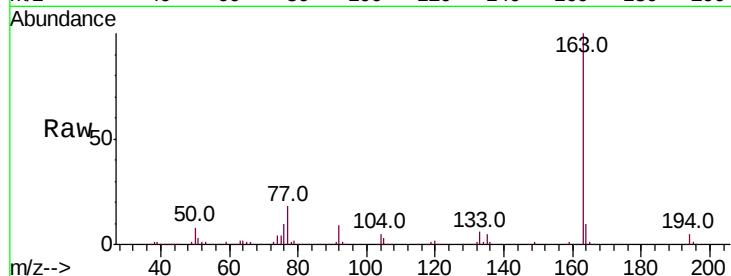
Tot Ion:163 Resp: 274833

Ion Ratio Lower Upper

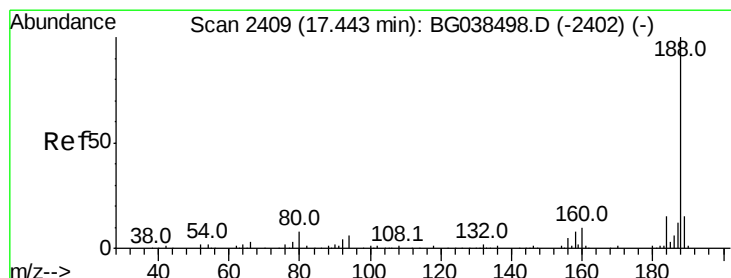
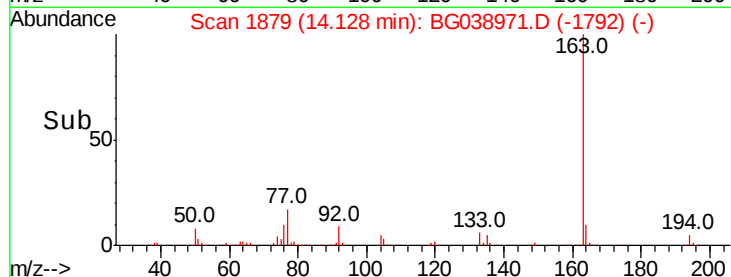
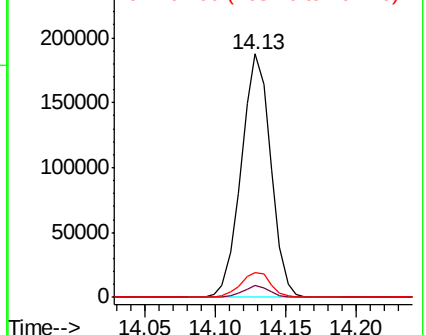
163 100

194 4.7 3.7 5.5

164 10.3 8.6 12.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

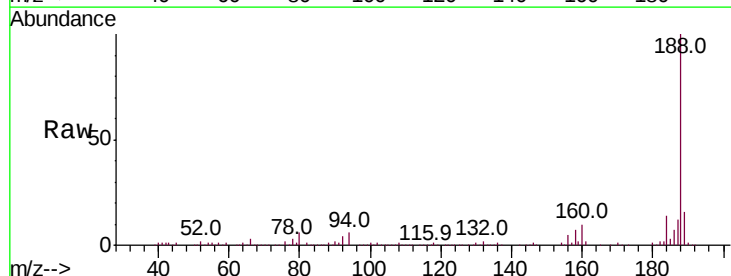
Tgt Ion:188 Resp: 171310

Ion Ratio Lower Upper

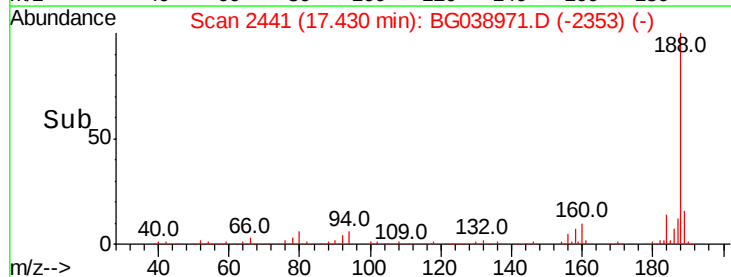
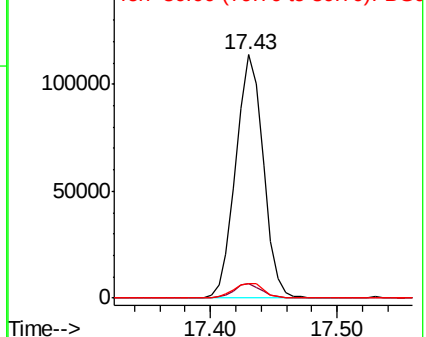
188 100

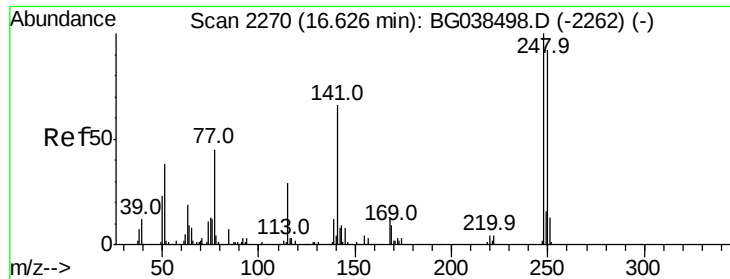
94 6.0 5.1 7.7

80 6.1 6.1 9.1



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

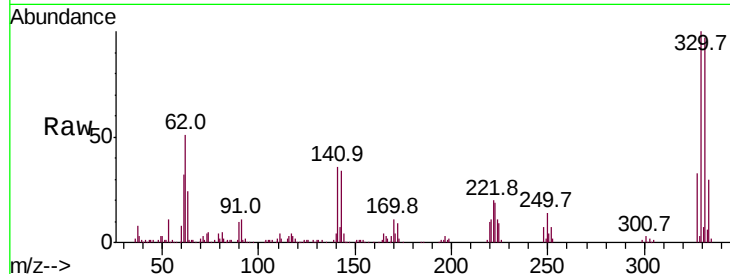




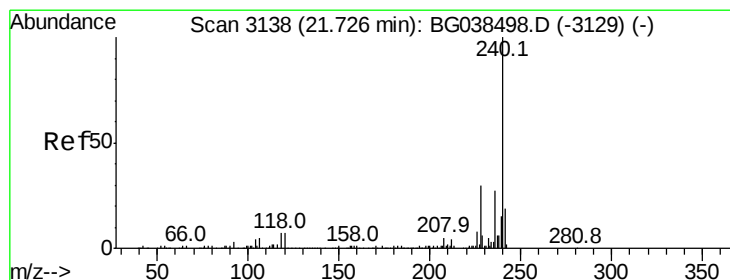
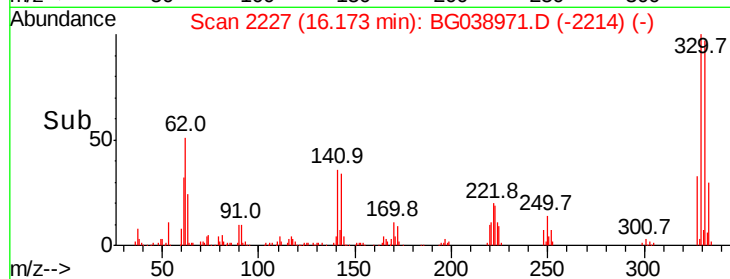
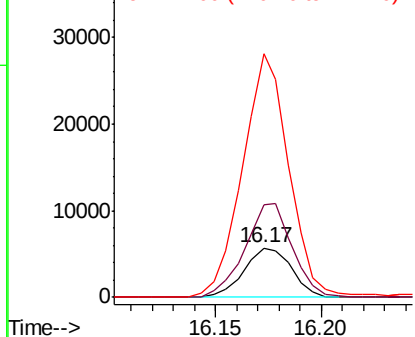
#67
4-Bromophenyl-phenylether
Concen: 4.169 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.45 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 8723
Ion Ratio Lower Upper
248 100
250 243.7 73.4 110.2#
141 496.6 52.9 79.3#

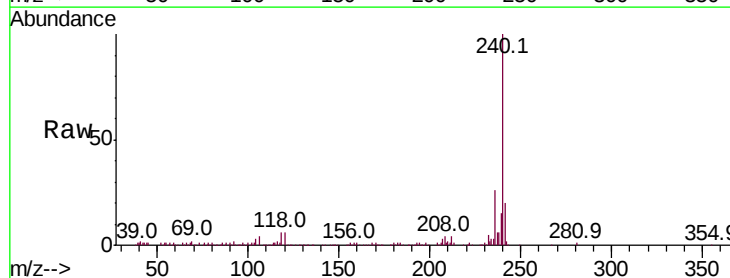


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

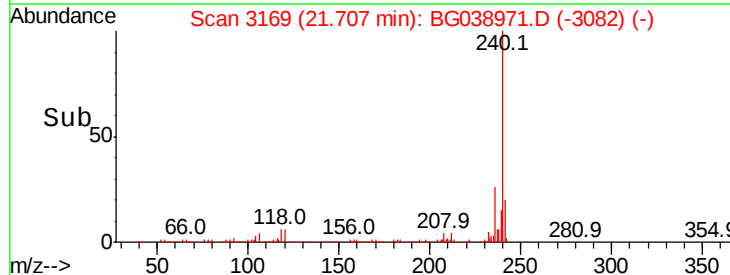
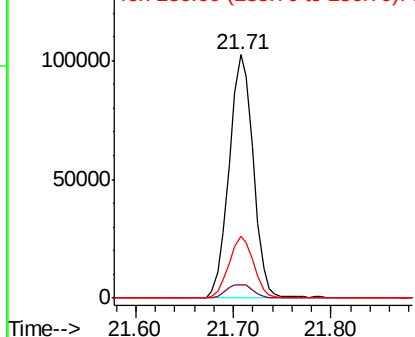


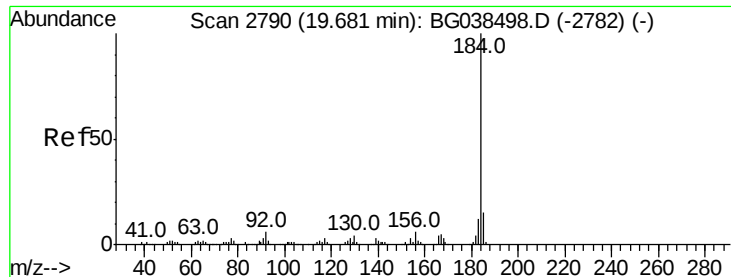
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.02 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Tgt Ion:240 Resp: 176244
Ion Ratio Lower Upper
240 100
120 5.7 5.3 7.9
236 25.5 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.127 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.35 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

Instrument :

BNA_G

ClientSampled :

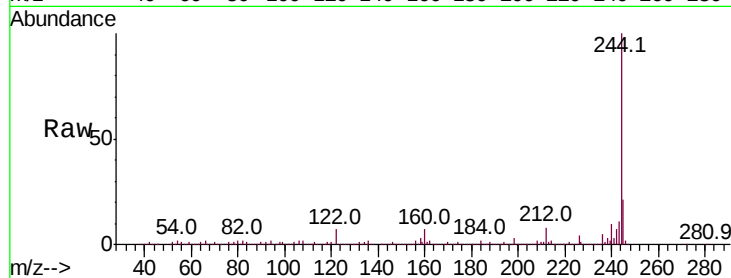
Tot Ion:184 Resp: 11089

Ion Ratio Lower Upper

184 100

185 19.6 12.2 18.2#

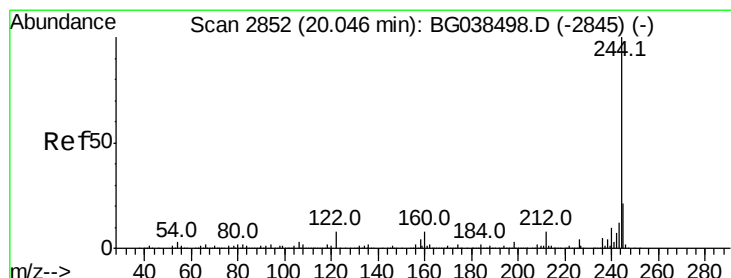
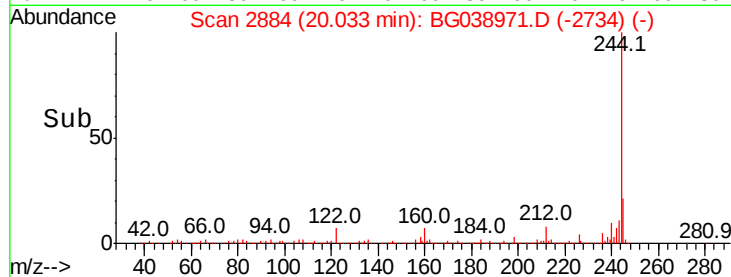
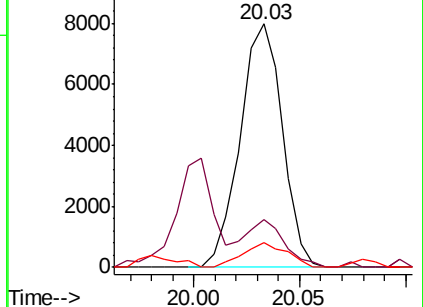
183 10.0 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 84.701 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG038971.D

Acq: 7 Jan 2019 17:54

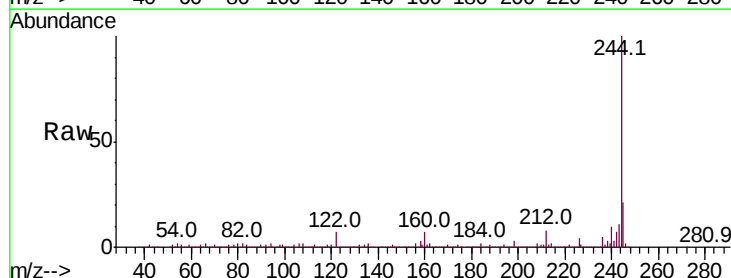
Tgt Ion:244 Resp: 685924

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

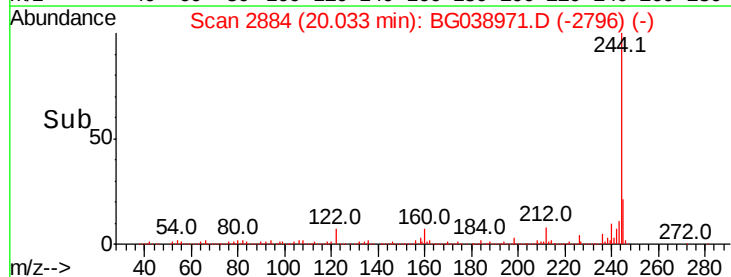
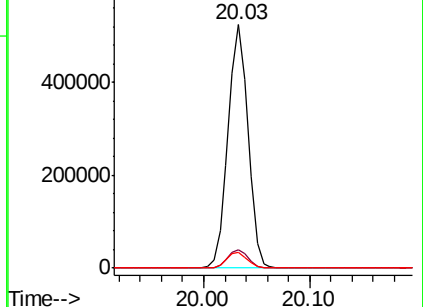
122 6.6 6.3 9.5

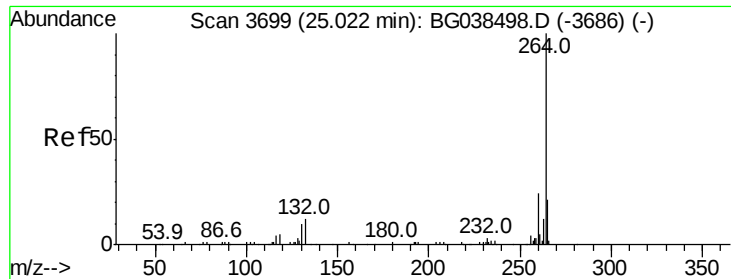


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

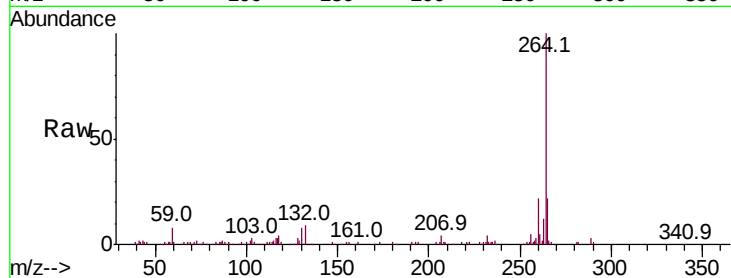




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.00 min Scan# 3729
Delta R.T. -0.02 min
Lab File: BG038971.D
Acq: 7 Jan 2019 17:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.9	28.3
265	22.2	17.0	25.4



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

