

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042346.D
 Acq On : 20 Aug 2019 3:33
 Operator : HP/JU
 Sample : K4277-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:28:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	64753	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	253746	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	185974	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	417198	20.00	ng	0.00
76) Chrysene-d12	21.69	240	430679	20.00	ng	0.00
87) Perylene-d12	24.93	264	501811	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	265893	83.20	ng	0.00
7) Phenol-d6	7.17	99	248833	57.33	ng	0.00
23) Nitrobenzene-d5	9.18	82	377499	104.63	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	379385	149.78	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1171250	106.57	ng	0.00
79) Terphenyl-d14	20.03	244	1948124	99.07	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.33	88	483	0.350	ng	# 77
4) n-Nitrosodimethylamine	3.70	42	133	0.109	ng	# 1
6) Aniline	7.31	93	2618	0.457	ng	# 52
9) Benzaldehyde	7.18	77	443	0.181	ng	# 1
10) Phenol	7.19	94	18973	4.300	ng	# 91
11) bis(2-Chloroethyl)ether	7.47	93	828	0.238	ng	# 22
15) Benzyl Alcohol	8.33	79	5858	1.962	ng	# 36
16) 2,2'-oxybis(1-Chloropropan	8.73	45	56	0.012	ng	# 67
19) n-Nitroso-di-n-propylamine	9.18	70	47304	16.944	ng	# 73
24) Nitrobenzene	9.18	77	1029	0.280	ng	# 31
25) Isophorone	9.63	82	125	0.017	ng	# 59
31) Naphthalene	10.88	128	64	0.005	ng	# 69
37) 2-Methylnaphthalene	12.71	142	61	0.006	ng	# 14
38) 1-Methylnaphthalene	12.71	142	61	0.007	ng	# 6
46) 1,1'-Biphenyl	13.50	154	1763	0.145	ng	# 84
48) 2-Nitroaniline	13.29	65	1356	0.555	ng	# 1
50) Dimethylphthalate	14.12	163	17422	1.318	ng	# 94
51) 2,6-Dinitrotoluene	14.66	165	23954	7.745	ng	# 39
52) Acenaphthene	14.72	154	68	0.007	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	23954	5.540	ng	# 38
58) Fluorene	16.16	166	15513	1.234	ng	# 92
60) Diethylphthalate	15.48	149	3992	0.312	ng	# 95
63) Azobenzene	16.02	77	63	0.007	ng	# 44
65) 4,6-Dinitro-2-methylphenol	16.16	198	887	0.348	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	11624	0.996	ng	# 39
67) 4-Bromophenyl-phenylether	16.16	248	27242	5.131	ng	# 1
71) Phenanthrene	17.46	178	1789	0.086	ng	# 66
72) Anthracene	17.56	178	141	0.007	ng	# 59
73) Carbazole	17.69	167	283	0.015	ng	# 57
74) Di-n-butylphthalate	18.38	149	19288	0.898	ng	# 98
75) Fluoranthene	19.47	202	951	0.038	ng	# 82
77) Benzidine	20.03	184	27491	2.407	ng	# 94
78) Pvrene	19.83	202	762	0.029	ng	# 44
80) Butylbenzylphthalate	20.72	149	375	0.036	ng	# 73

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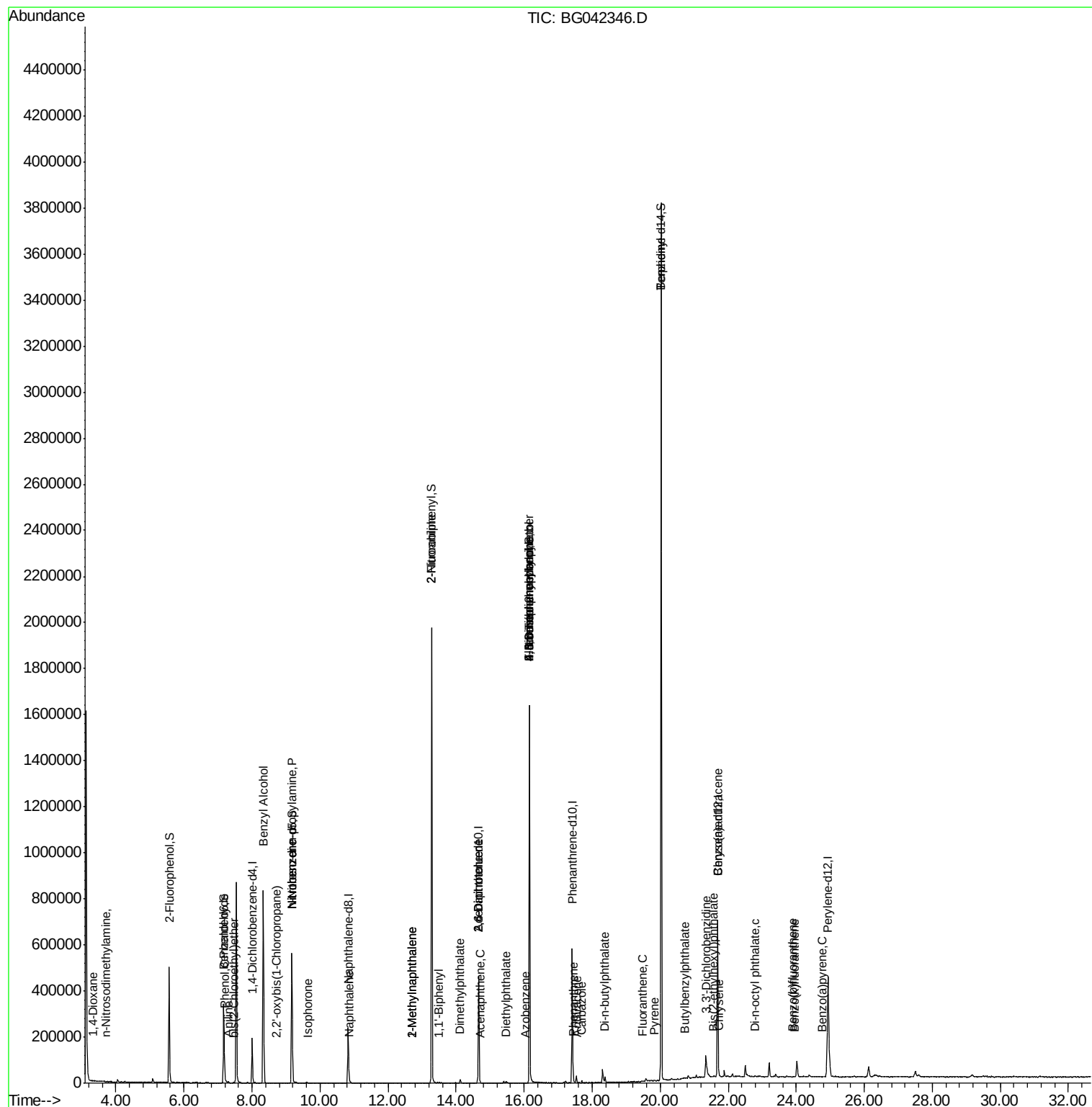
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.69	228	1437	0.054	ng	# 45
82) 3,3'-Dichlorobenzidine	21.33	252	134	0.013	ng	# 1
83) Chrysene	21.74	228	153	0.006	ng	# 47
84) Bis(2-ethylhexyl)phthalate	21.58	149	2226	0.152	ng	# 83
85) Di-n-octyl phthalate	22.78	149	639	0.026	ng	# 83
88) Benzo(b)fluoranthene	23.91	252	345	0.013	ng	# 11
89) Benzo(k)fluoranthene	23.96	252	54	0.002	ng	# 58
90) Benzo(a)pyrene	24.77	252	123	0.005	ng	# 60

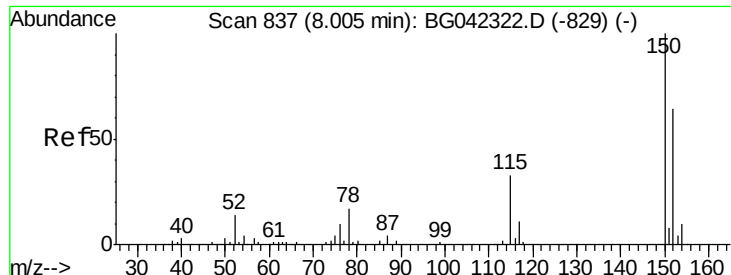
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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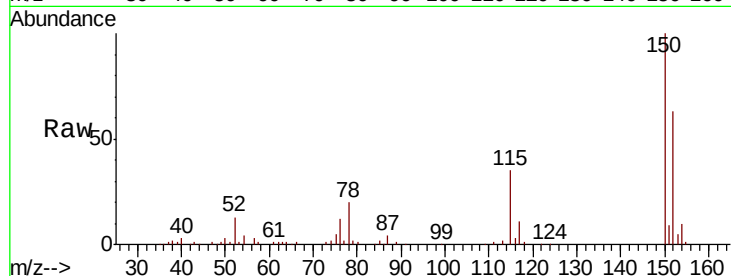


#1

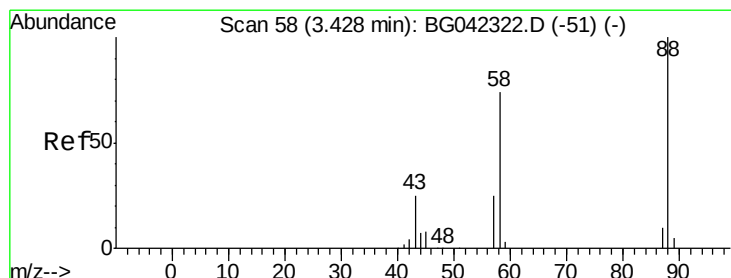
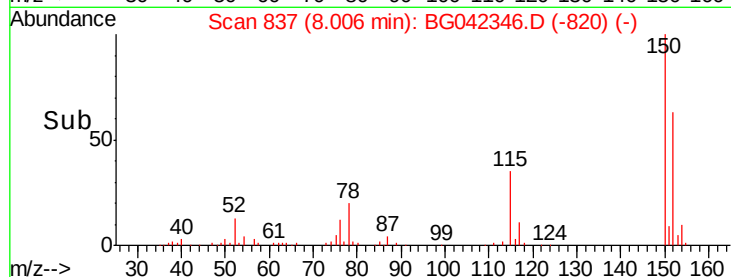
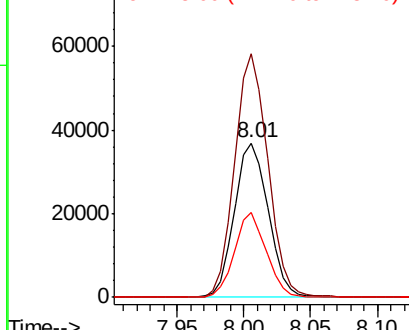
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 64753
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.3 186.5
 115 54.9 40.5 60.7



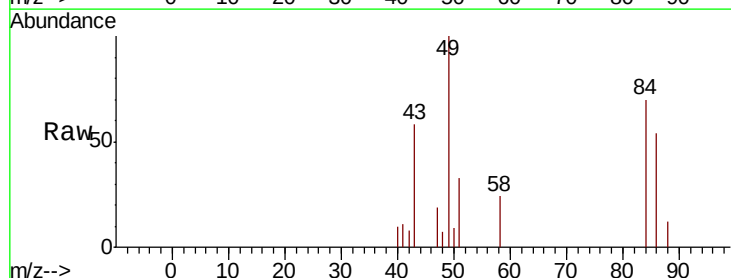
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



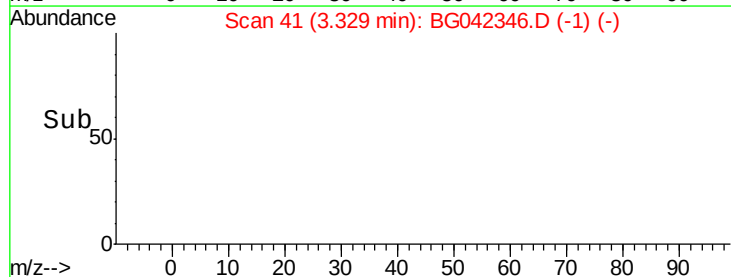
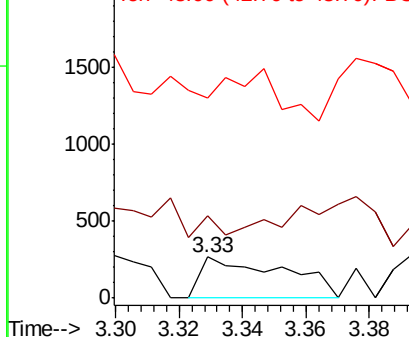
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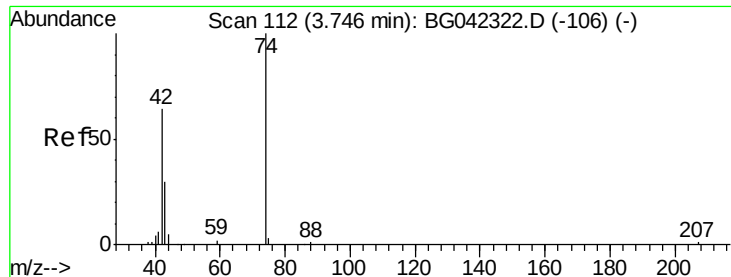
1,4-Dioxane
 Concen: 0.350 ng
 RT: 3.33 min Scan# 41
 Delta R.T. -0.10 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Tgt Ion: 88 Resp: 483
 Ion Ratio Lower Upper
 88 100
 58 61.7 58.6 88.0
 43 0.0 19.4 29.0#



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





#4

n-Nitrosodimethylamine

Concen: 0.109 ng

RT: 3.70 min Scan# 105

Delta R.T. -0.04 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampled :

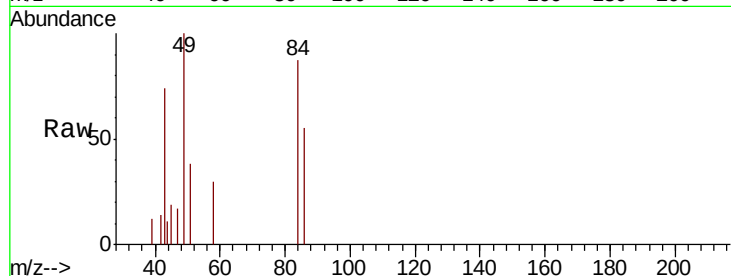
Tot Ion: 42 Resp: 133

Ion Ratio Lower Upper

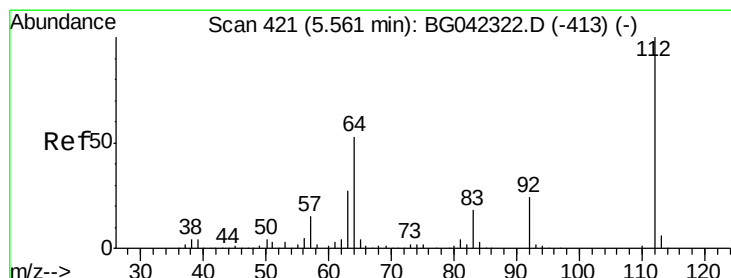
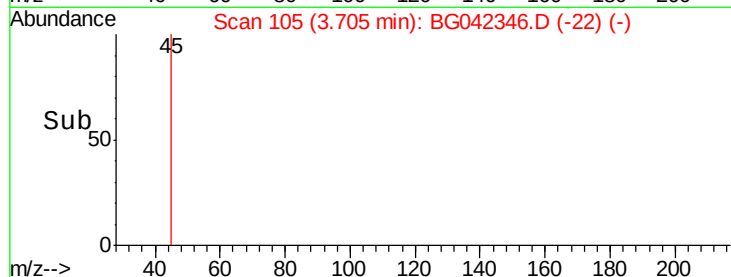
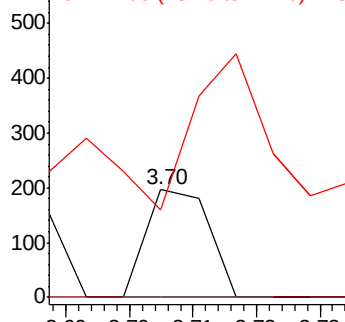
42 100

74 0.0 124.2 186.2#

44 81.2 6.5 9.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 83.197 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

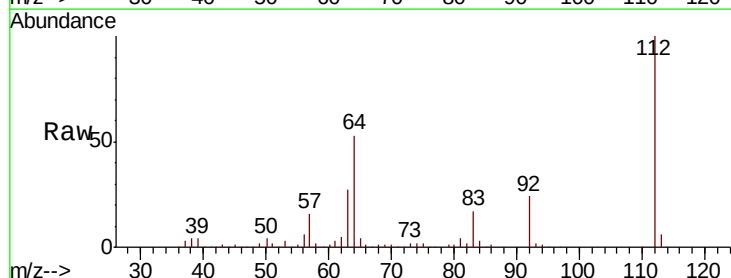
Tgt Ion: 112 Resp: 265893

Ion Ratio Lower Upper

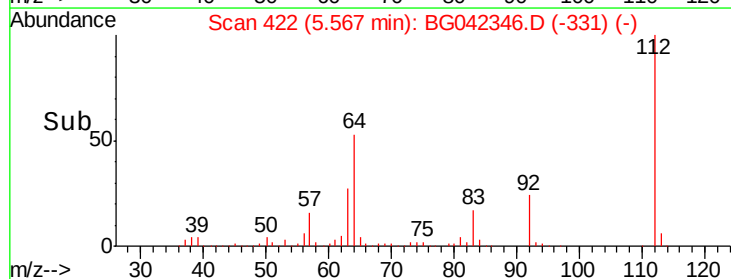
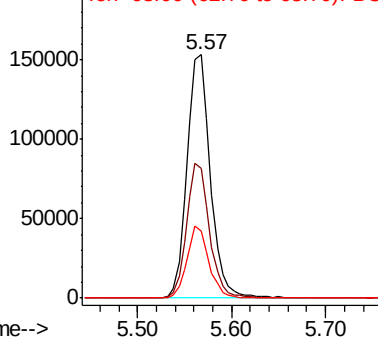
112 100

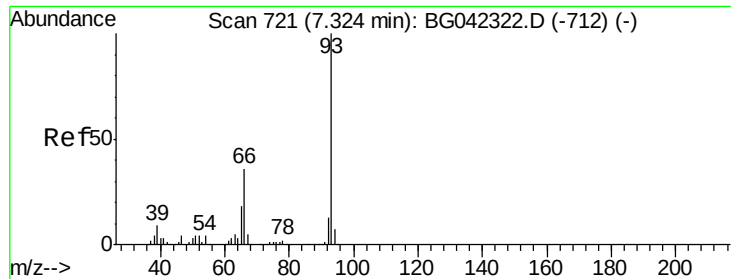
64 53.1 42.5 63.7

63 27.5 21.7 32.5



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





#6

Aniline

Concen: 0.457 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampleId :

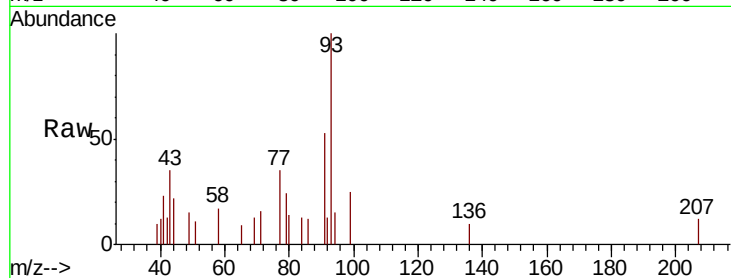
Tot Ion: 93 Resp: 2618

Ion Ratio Lower Upper

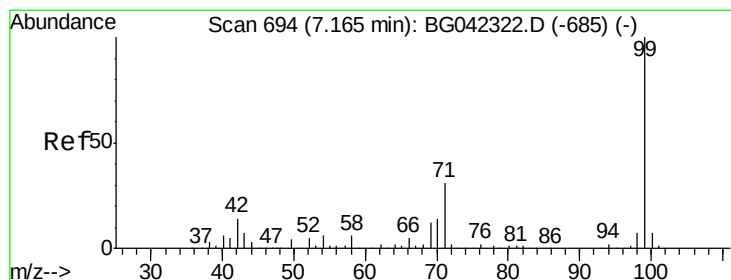
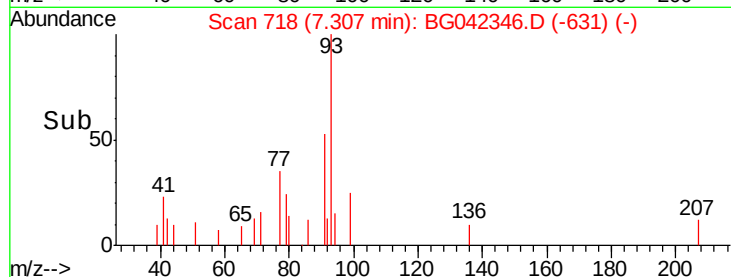
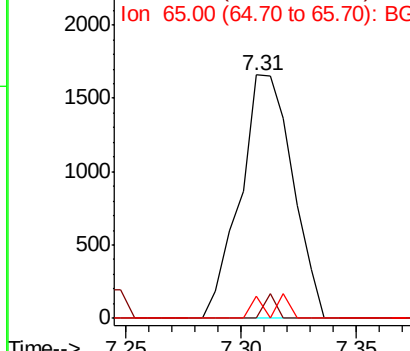
93 100

66 0.0 29.1 43.7#

65 9.2 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 57.328 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

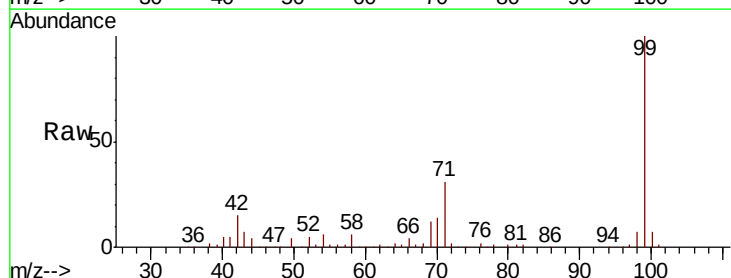
Tgt Ion: 99 Resp: 248833

Ion Ratio Lower Upper

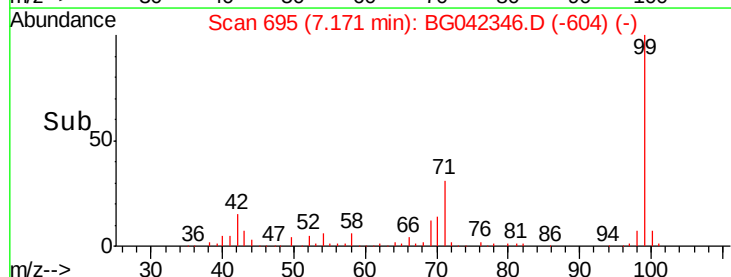
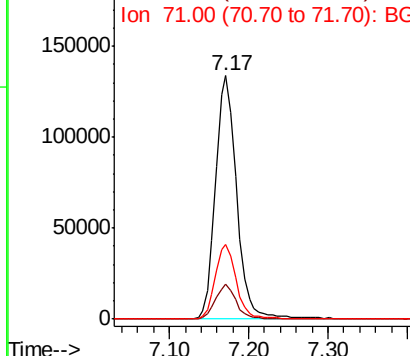
99 100

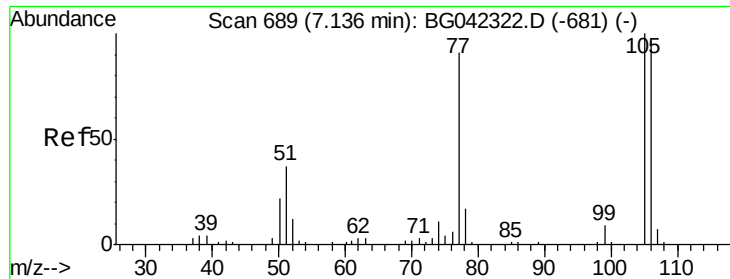
42 14.6 11.4 17.0

71 30.8 25.1 37.7



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

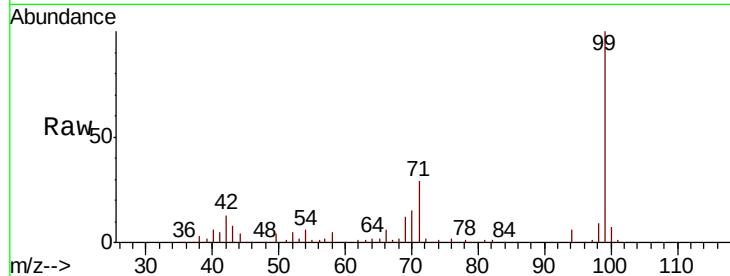




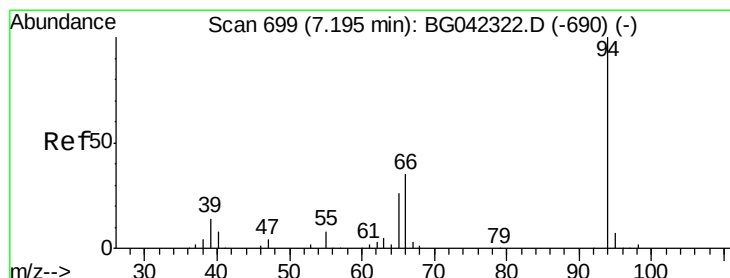
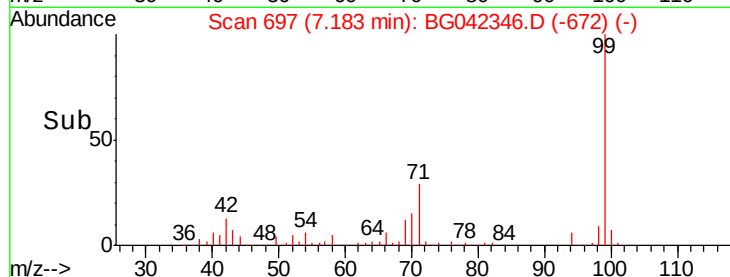
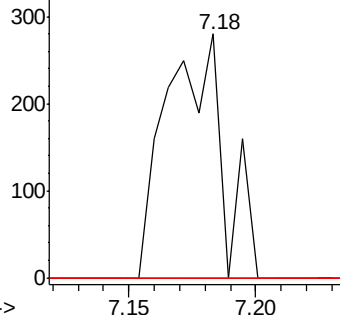
#9
Benzaldehyde
Concen: 0.181 ng
RT: 7.18 min Scan# 697
Delta R.T. 0.05 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 443
Ion Ratio Lower Upper
77 100
105 0.0 89.8 129.8#
106 0.0 85.1 125.1#

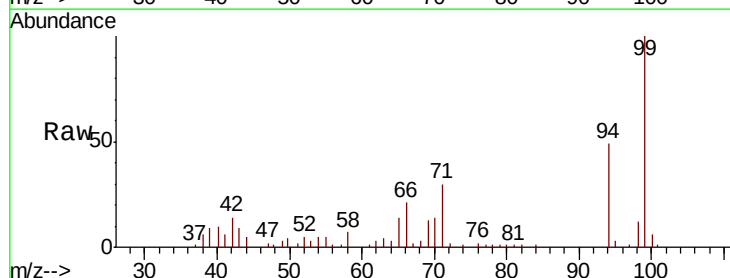


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

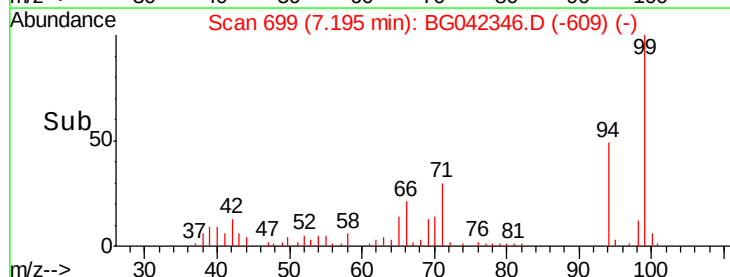
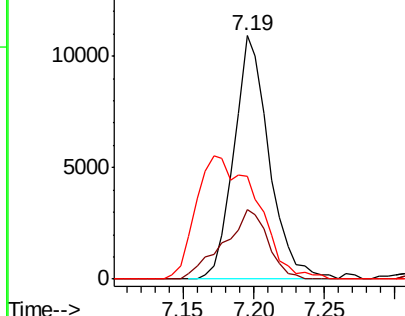


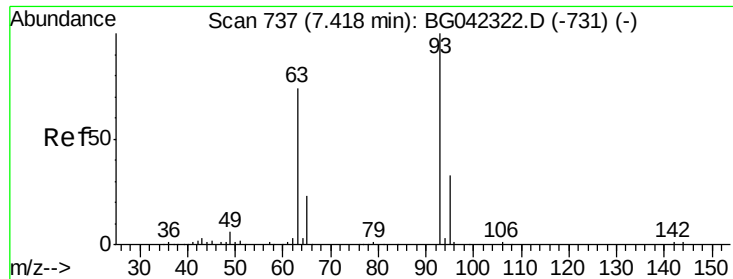
#10
Phenol
Concen: 4.300 ng
RT: 7.19 min Scan# 699
Delta R.T. 0.00 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion: 94 Resp: 18973
Ion Ratio Lower Upper
94 100
65 28.5 6.1 46.1
66 42.4 15.7 55.7



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

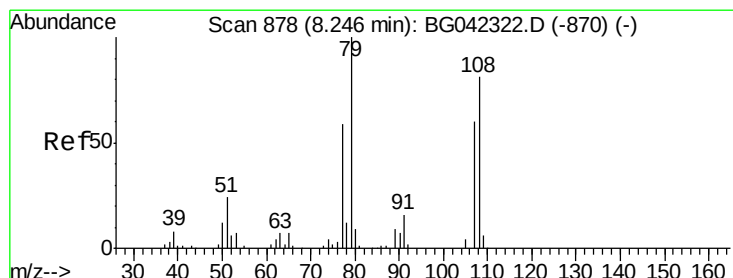
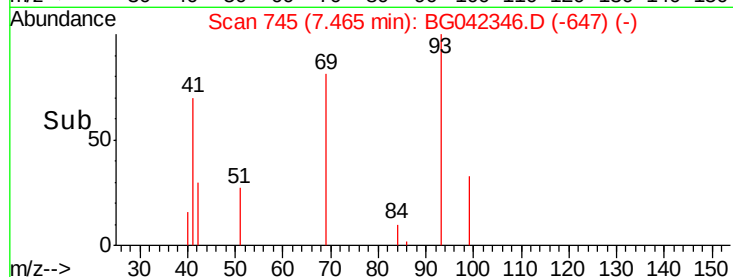
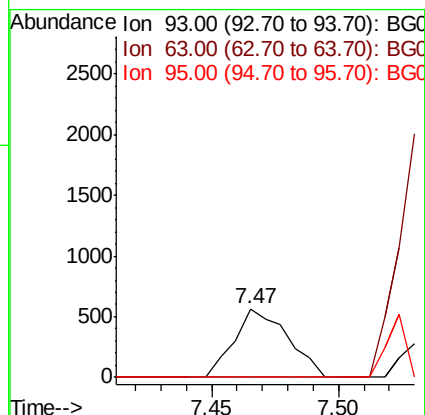
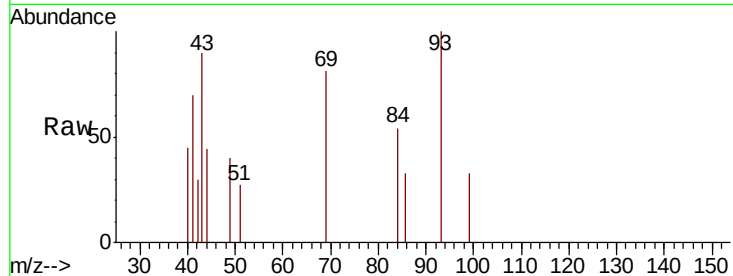




#11
bis(2-Chloroethyl)ether
Concen: 0.238 ng
RT: 7.47 min Scan# 745
Delta R.T. 0.05 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

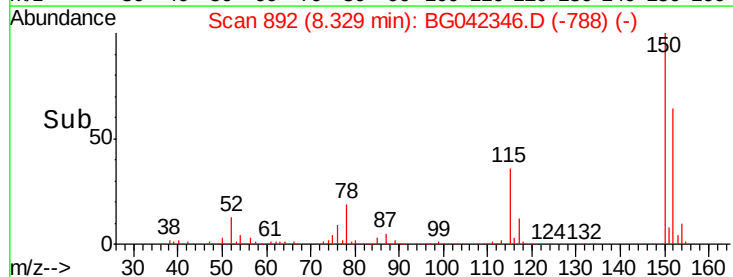
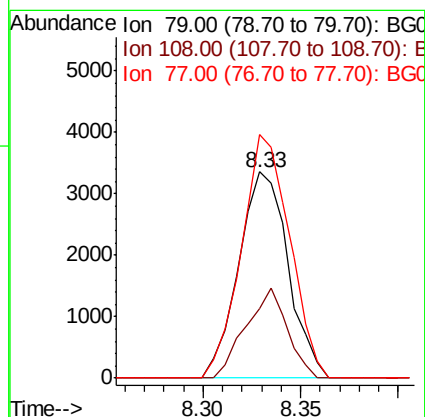
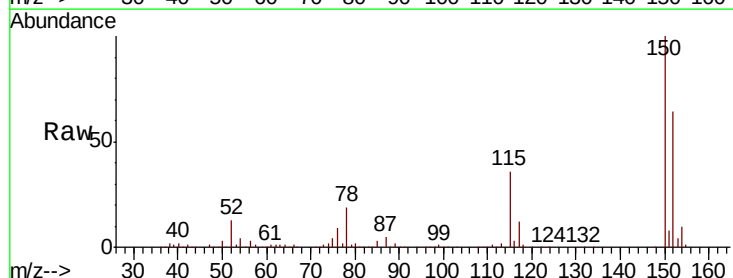
Instrument :
BNA_G
ClientSampled :

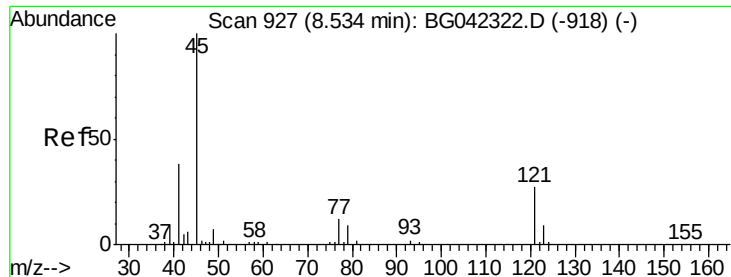
Tot Ion: 93 Resp: 828
Ion Ratio Lower Upper
93 100
63 0.0 53.0 93.0#
95 0.0 13.0 53.0#



#15
Benzyl Alcohol
Concen: 1.962 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion: 79 Resp: 5858
Ion Ratio Lower Upper
79 100
108 33.9 64.8 97.2#
77 118.1 47.6 71.4#

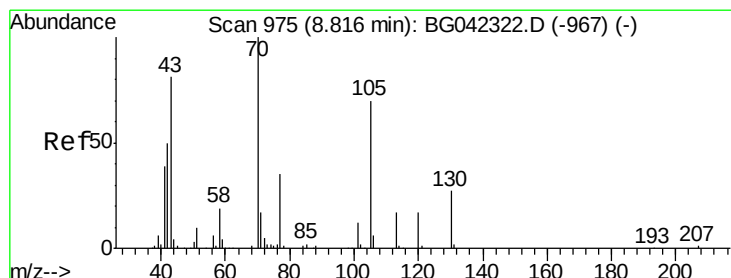
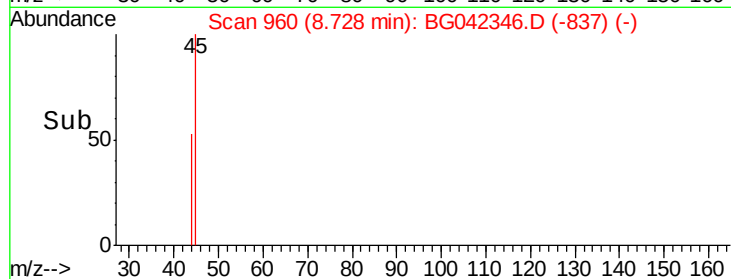
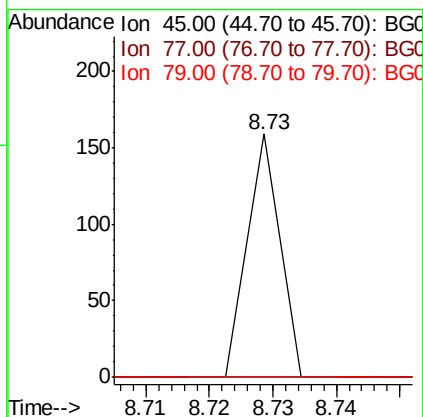
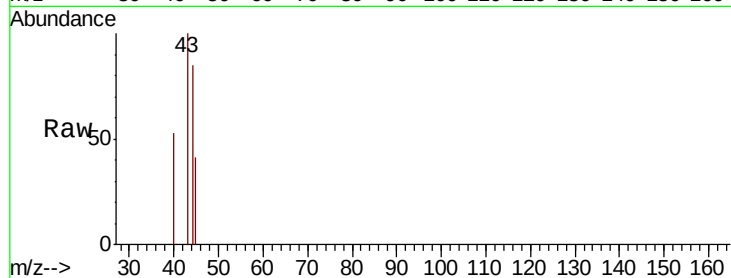




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.012 ng
RT: 8.73 min Scan# 960
Delta R.T. 0.19 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

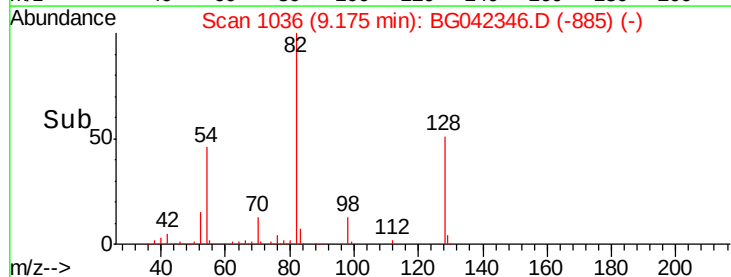
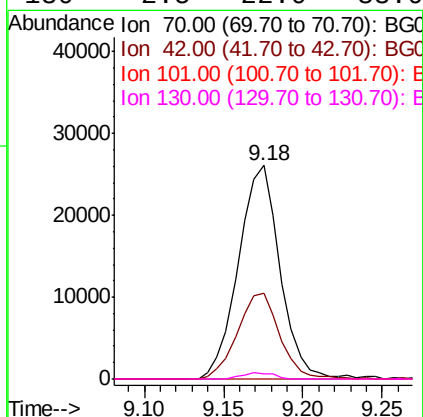
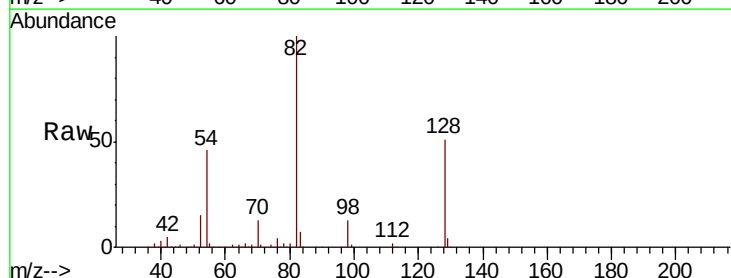
Instrument :
BNA_G
ClientSampleId :

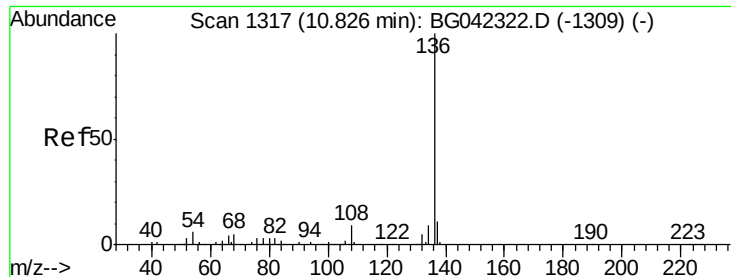
Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	34.6
79	0.0	0.0	31.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.944 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion	Ratio	Lower	Upper
70	100		
42	39.9	40.5	60.7#
101	0.0	9.3	13.9#
130	2.5	22.0	33.0#

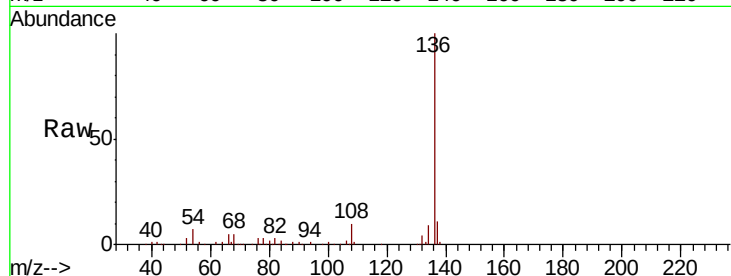




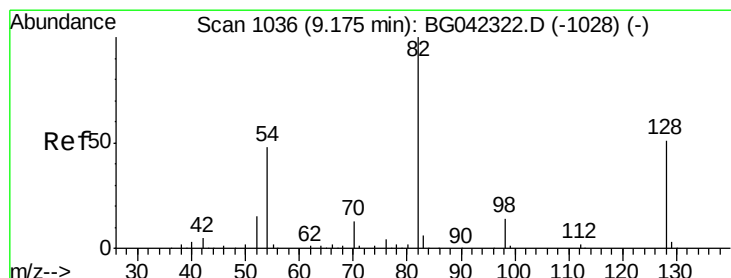
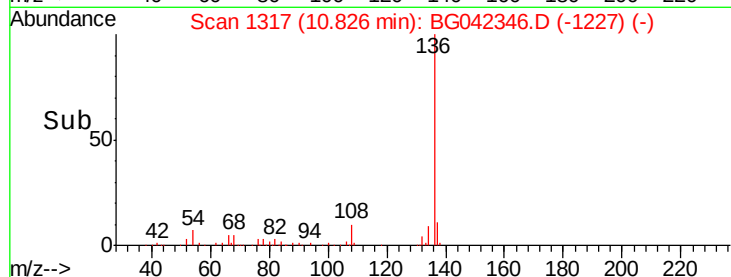
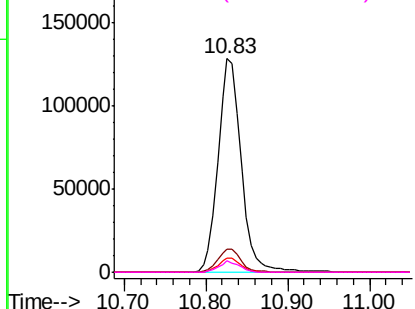
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	253746
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.4	12.6
54 6.7	5.0	7.4
68 5.2	3.8	5.8

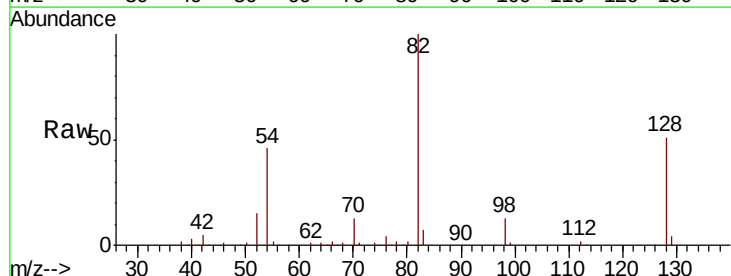


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

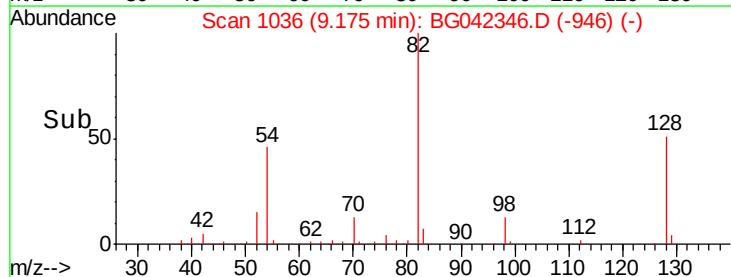
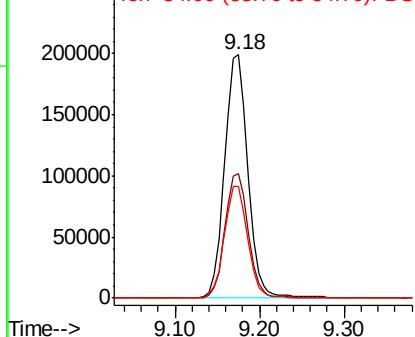


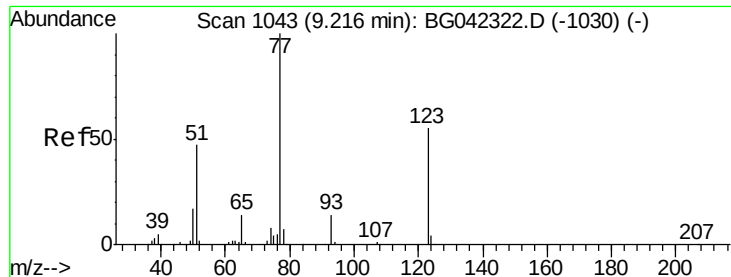
#23
Nitrobenzene-d5
Concen: 104.635 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion: 82	Resp: 377499
Ion Ratio	Lower Upper
82 100	
128 51.3	41.0 61.4
54 45.7	38.0 57.0



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

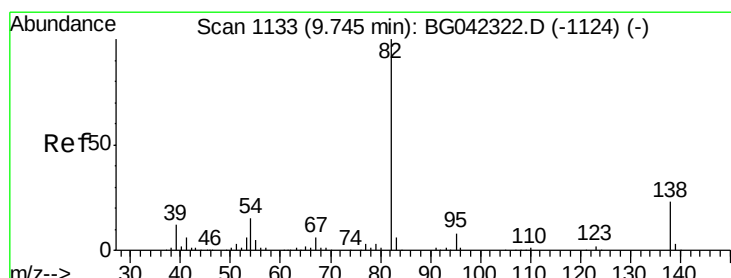
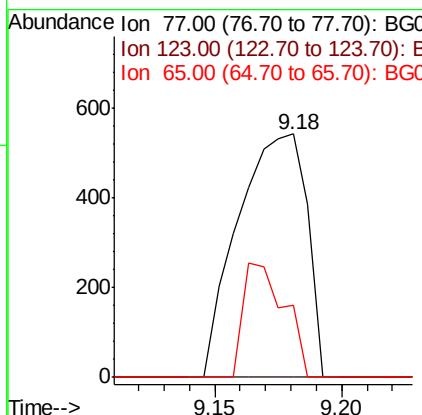
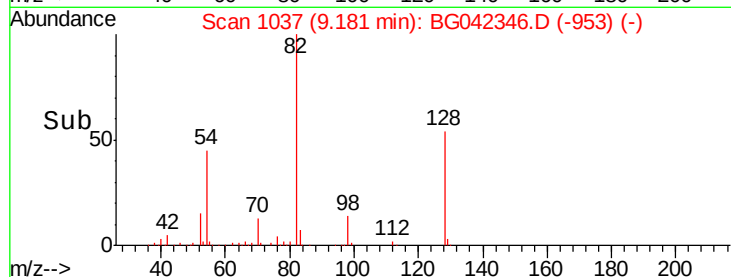
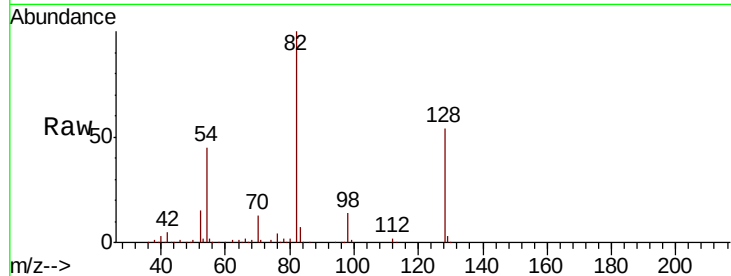




#24
 Nitrobenzene
 Concen: 0.280 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

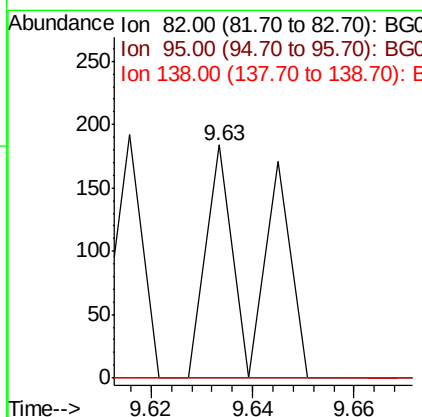
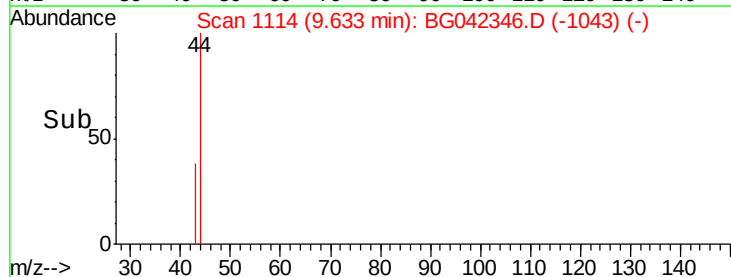
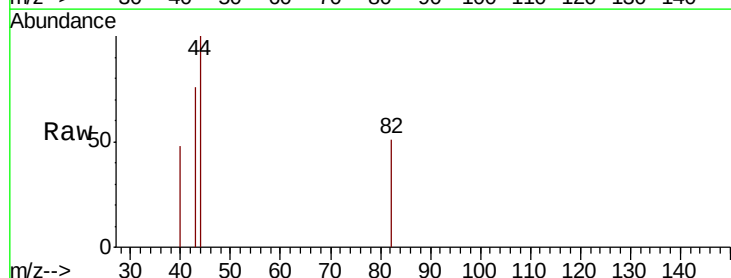
Instrument :
 BNA_G
 ClientSampled :

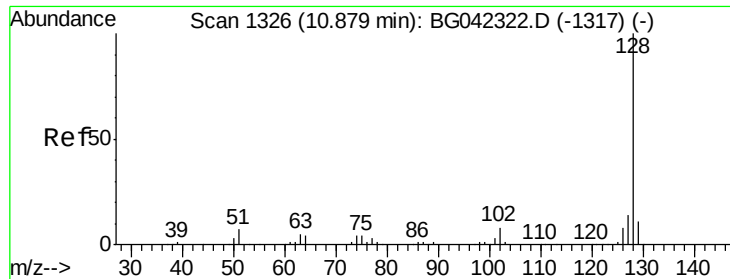
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	43.7	65.5#
65	29.7	10.9	16.3#



#25
 Isophorone
 Concen: 0.017 ng
 RT: 9.63 min Scan# 1114
 Delta R.T. -0.11 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.1	9.1#
138	0.0	18.2	27.2#

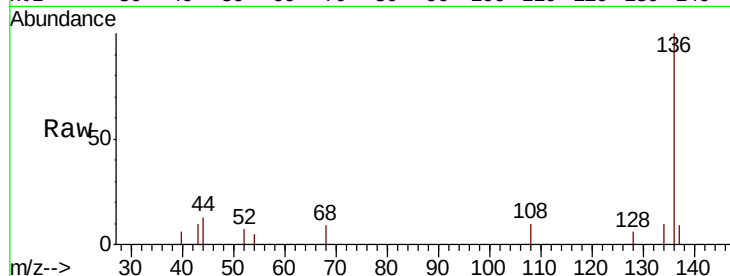




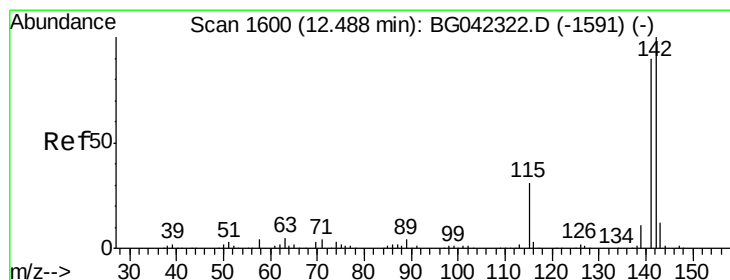
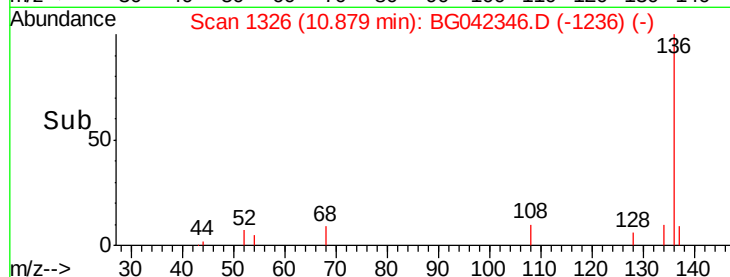
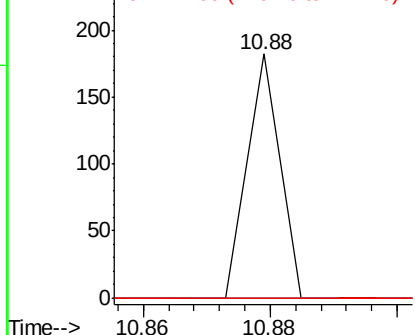
#31
Naphthalene
Concen: 0.005 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.6	13.0#
127	0.0	10.8	16.2#

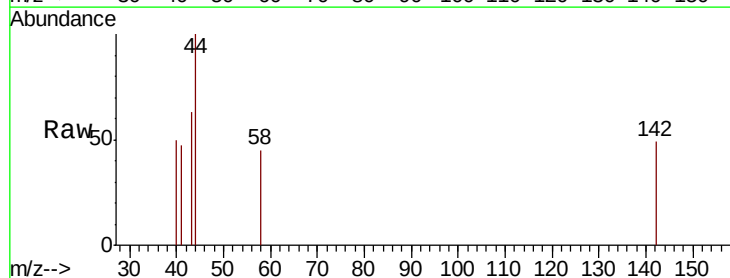


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

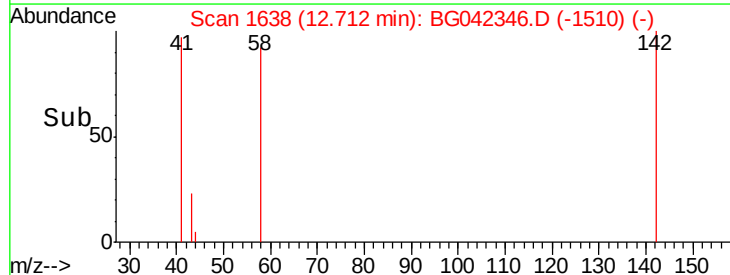
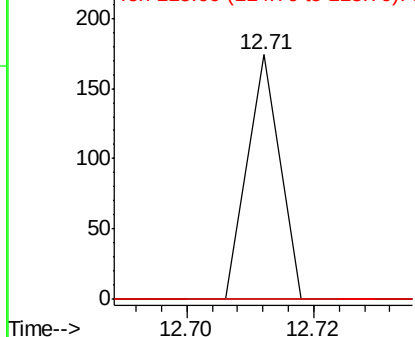


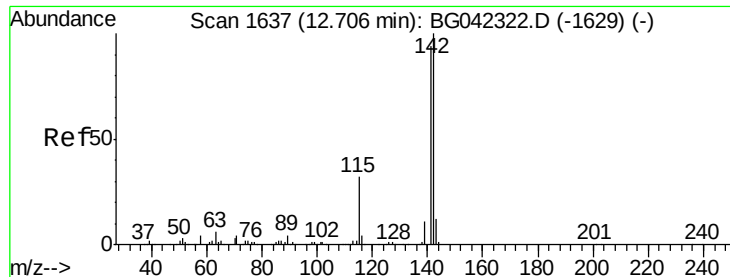
#37
2-Methylnaphthalene
Concen: 0.006 ng
RT: 12.71 min Scan# 1638
Delta R.T. 0.22 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	0.0	72.1	108.1#
115	0.0	24.4	36.6#



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: 0.007 ng

RT: 12.71 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BG042346.D

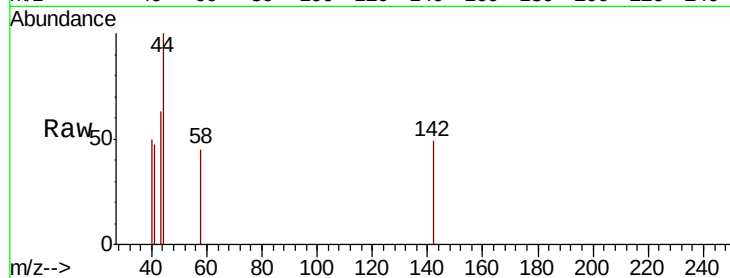
Acq: 20 Aug 2019 3:33

Instrument :

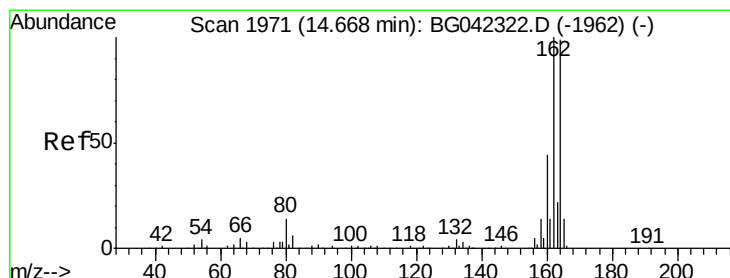
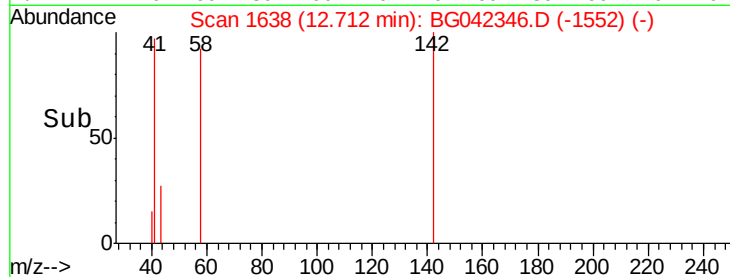
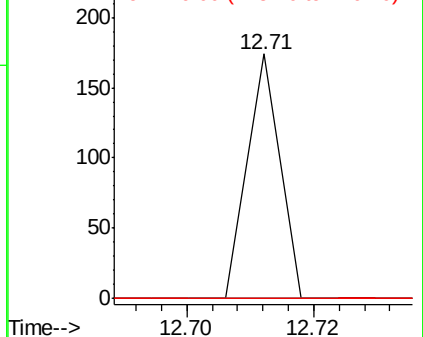
BNA_G

ClientSampleId :

Tot Ion:	142	Resp:	61
Ion	Ratio	Lower	Upper
142	100		
141	0.0	75.1	112.7#
116	0.0	3.0	4.6#



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

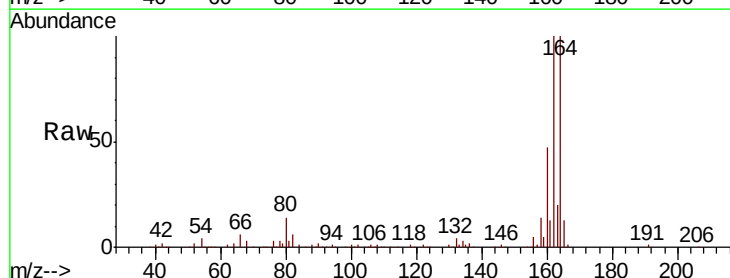
RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

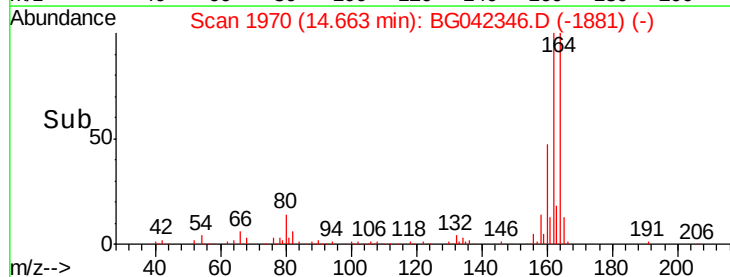
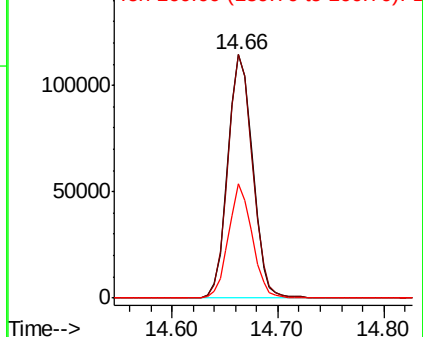
Lab File: BG042346.D

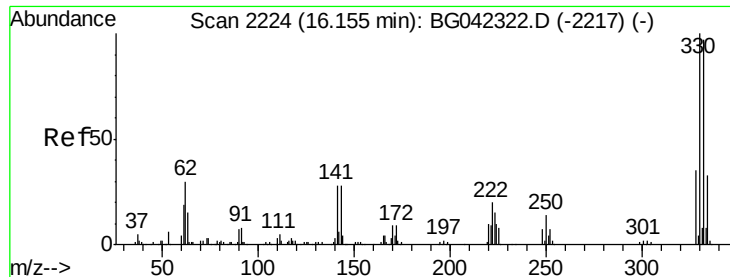
Acq: 20 Aug 2019 3:33

Tgt Ion:	164	Resp:	185974
Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	46.9	35.7	53.5



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

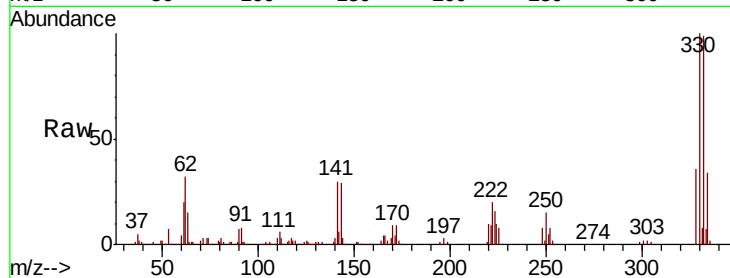




#42
 2,4,6-Tribromophenol
 Concen: 149.781 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

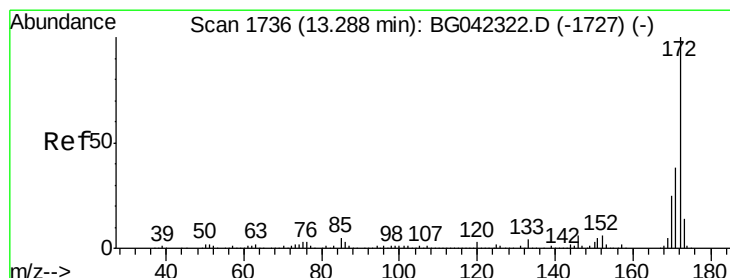
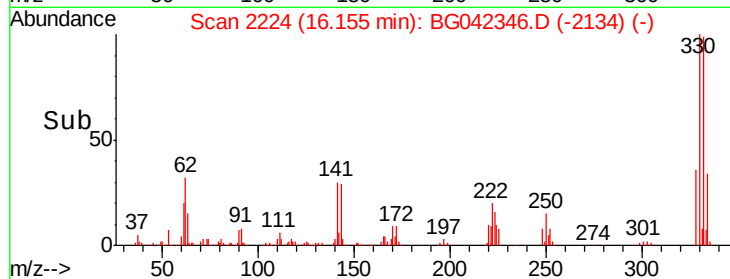
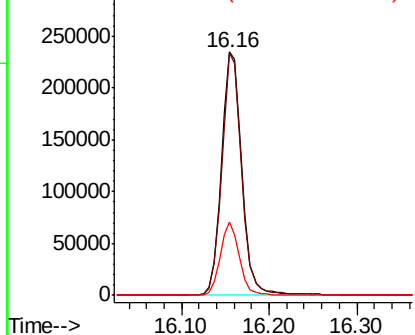
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	28.5	21.8	32.6



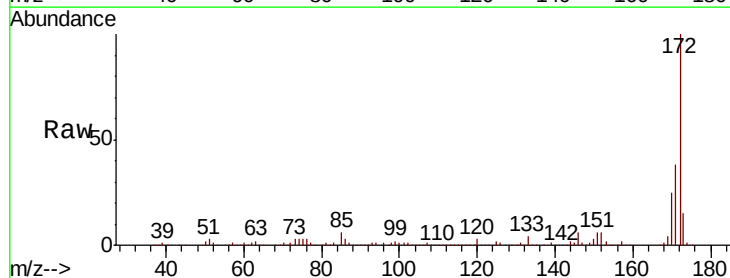
Abundance

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



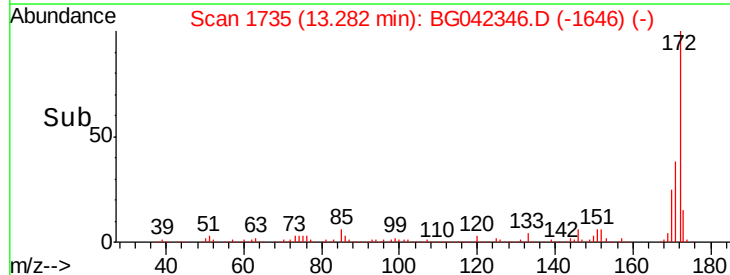
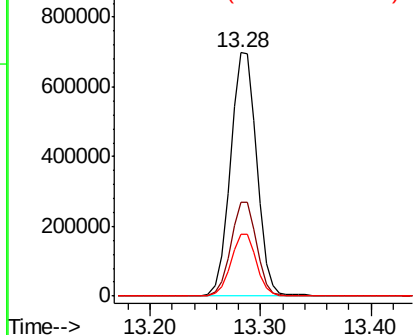
#45
 2-Fluorobiphenyl
 Concen: 106.571 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

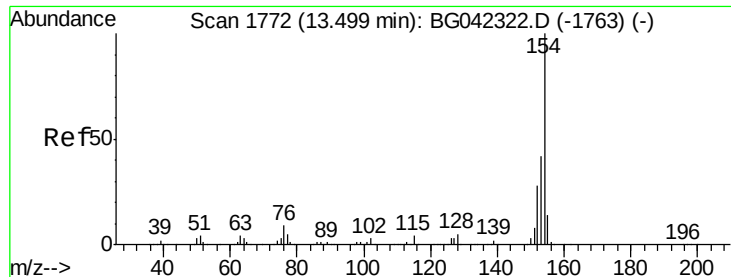
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.3	45.5
170	25.2	20.0	30.0



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

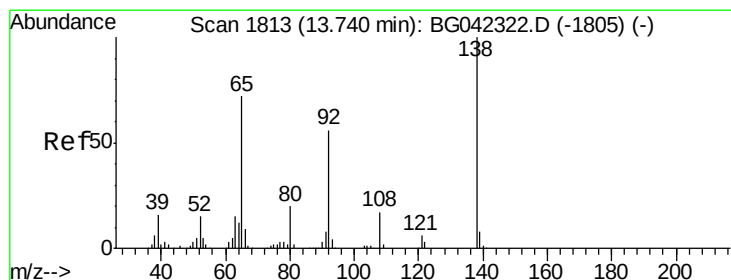
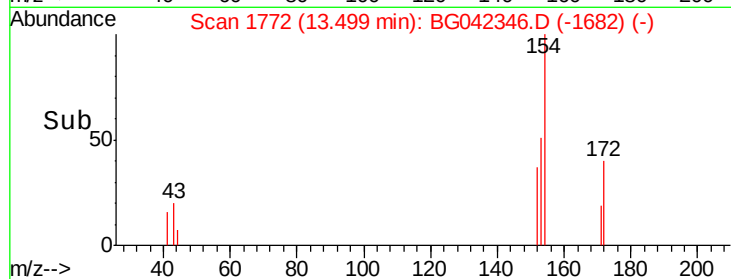
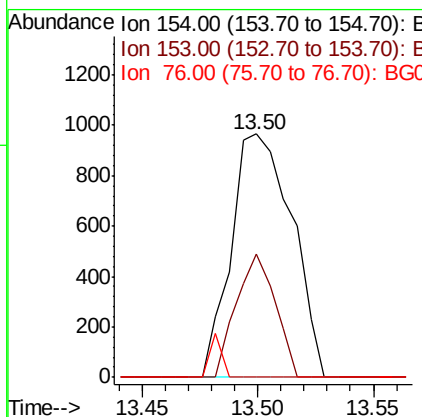
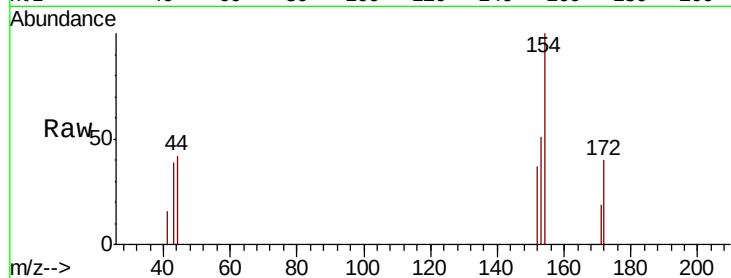




#46
 1,1'-Biphenyl
 Concen: 0.145 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

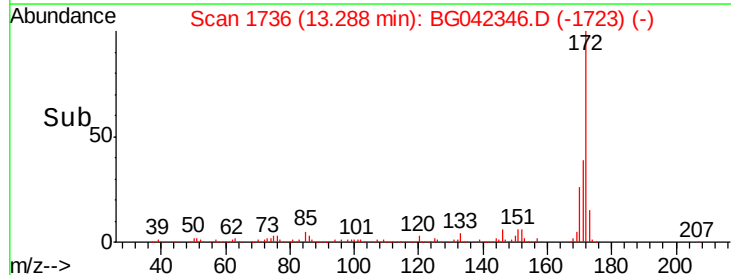
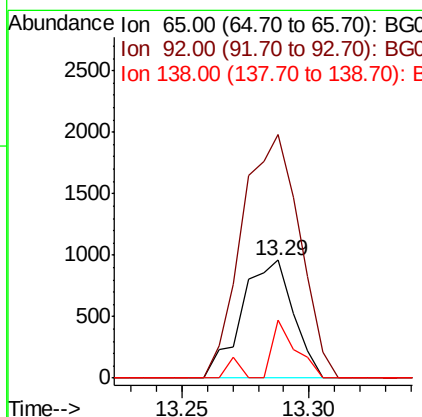
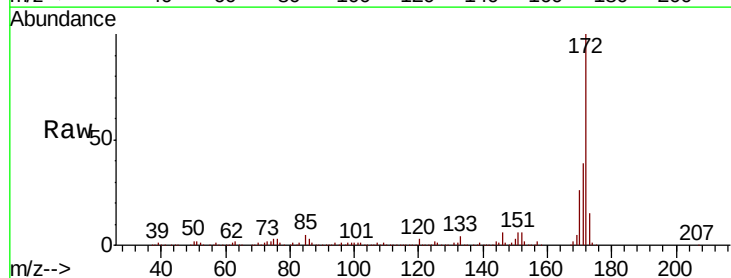
Instrument :
 BNA_G
 ClientSampleId :

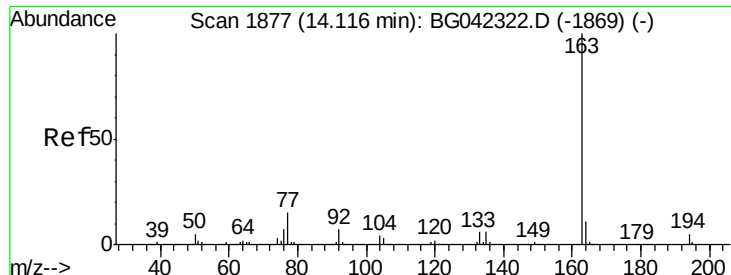
Tot Ion:154 Resp: 1763
 Ion Ratio Lower Upper
 154 100
 153 50.8 21.9 61.9
 76 0.0 0.0 29.3



#48
 2-Nitroaniline
 Concen: 0.555 ng
 RT: 13.29 min Scan# 1736
 Delta R.T. -0.45 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Tgt Ion: 65 Resp: 1356
 Ion Ratio Lower Upper
 65 100
 92 207.0 62.6 94.0#
 138 49.4 111.5 167.3#





#50

Dimethylphthalate

Concen: 1.318 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampleId :

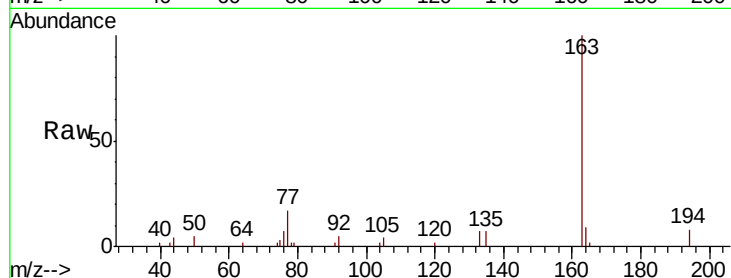
Tot Ion:163 Resp: 17422

Ion Ratio Lower Upper

163 100

194 8.3 4.2 6.2#

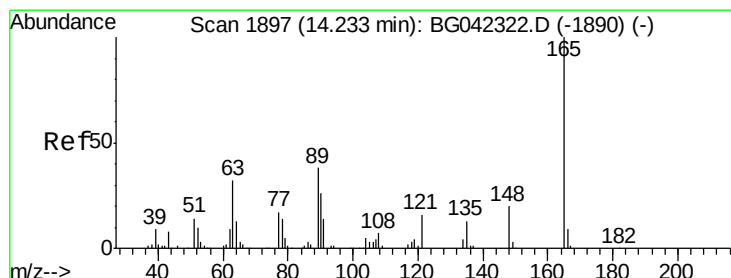
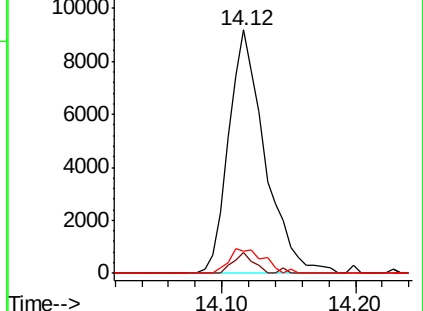
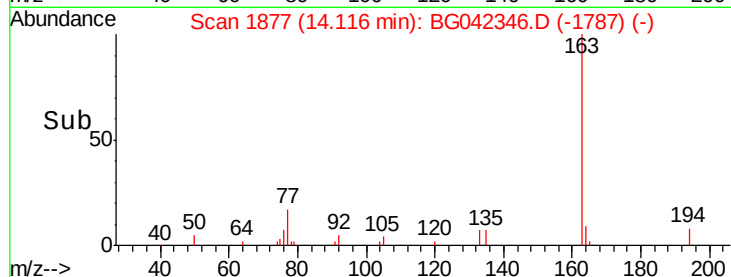
164 9.1 8.8 13.2



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



#51

2,6-Dinitrotoluene

Concen: 7.745 ng

RT: 14.66 min Scan# 1970

Delta R.T. 0.43 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

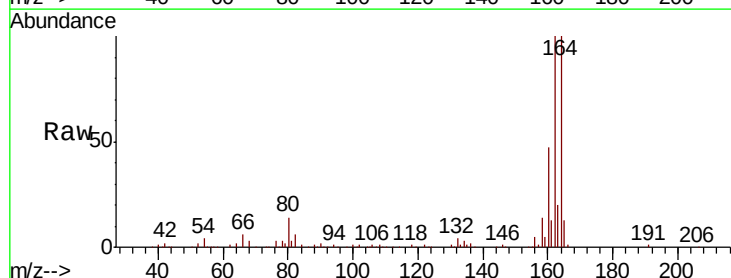
Tgt Ion:165 Resp: 23954

Ion Ratio Lower Upper

165 100

63 0.0 28.2 42.2#

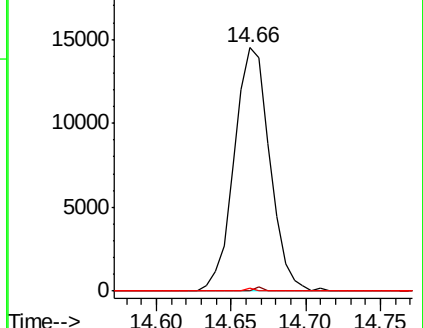
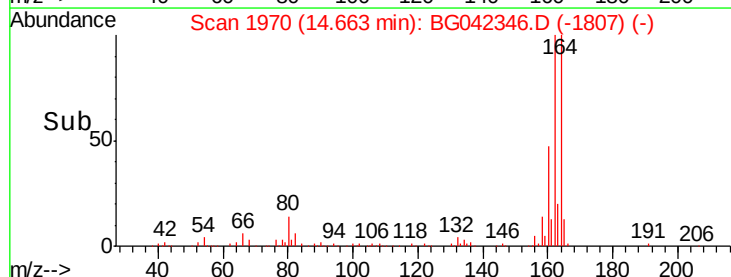
89 1.2 30.0 45.0#

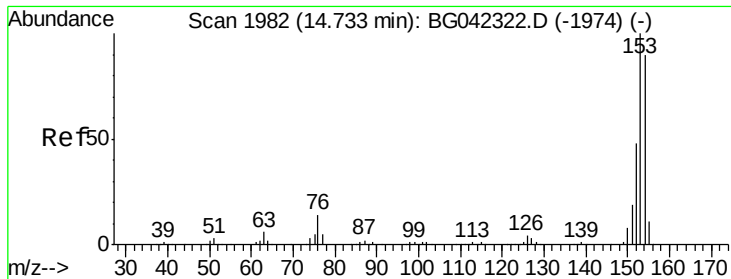


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#52

Acenaphthene

Concen: 0.007 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampled :

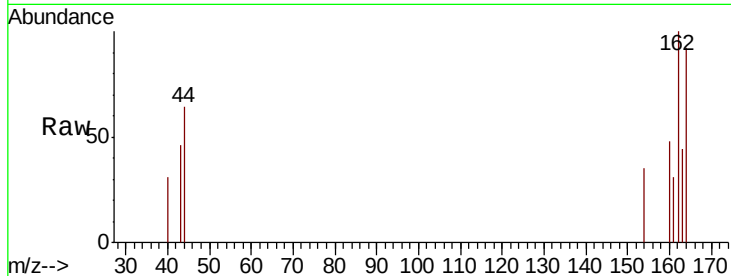
Tot Ion:154 Resp: 68

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

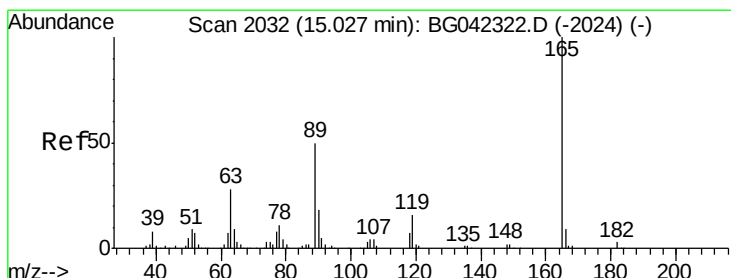
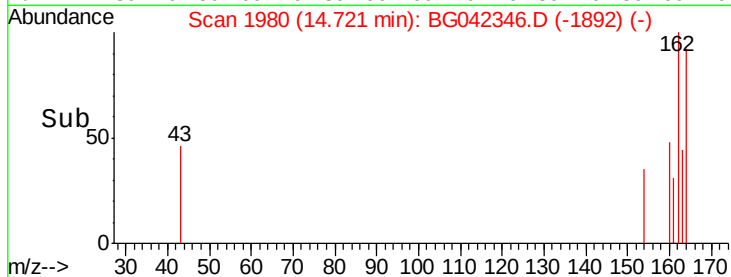
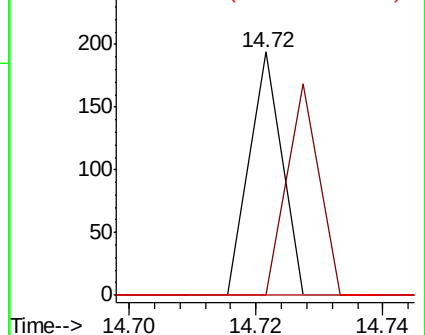
152 0.0 43.1 64.7#



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



#57

2,4-Dinitrotoluene

Concen: 5.540 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Tgt Ion:165 Resp: 23954

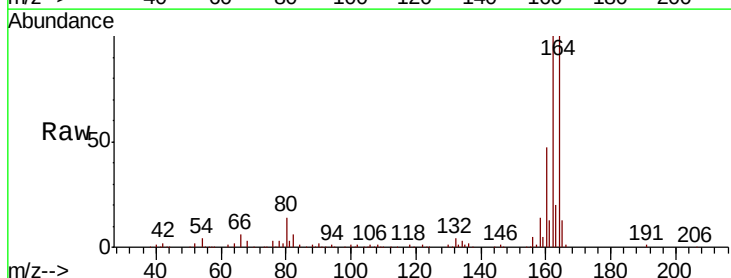
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 1.2 40.2 60.2#

182 0.0 2.6 3.8#

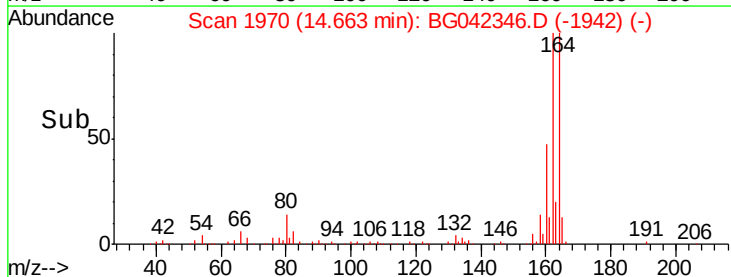
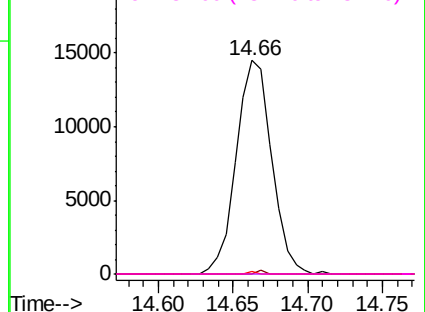


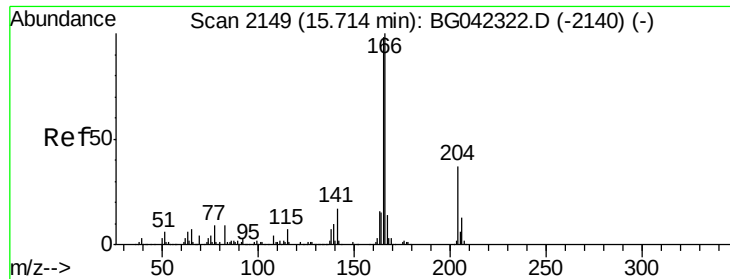
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

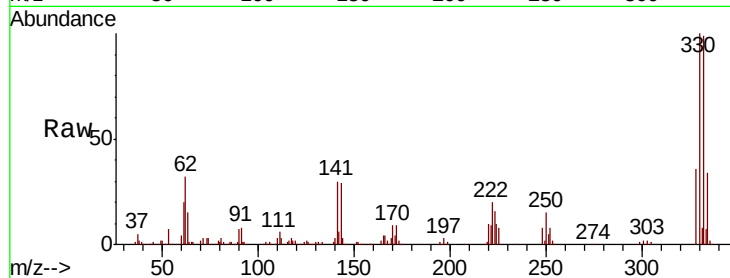




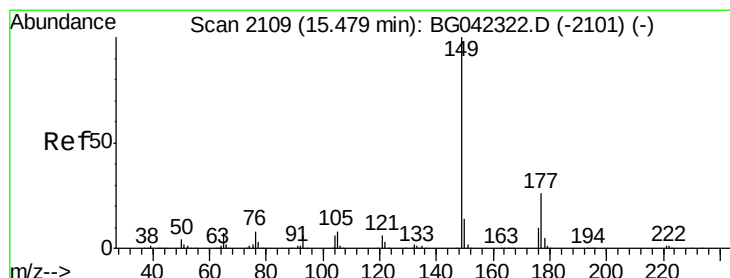
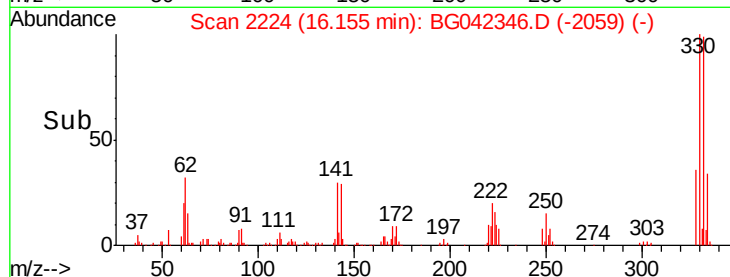
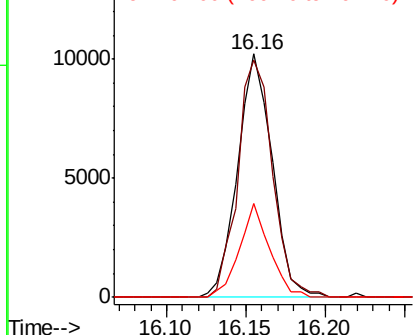
#58
 Fluorene
 Concen: 1.234 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.44 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:166 Resp: 15513
 Ion Ratio Lower Upper
 166 100
 165 97.4 78.7 118.1
 167 38.7 11.1 16.7#

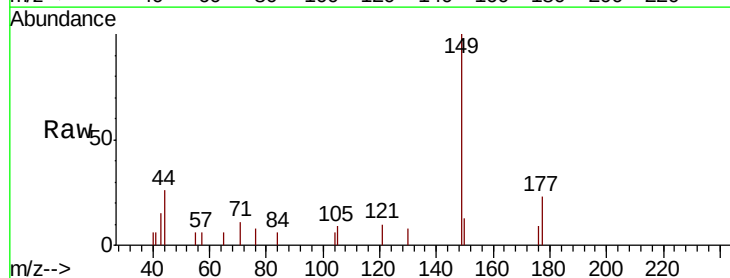


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

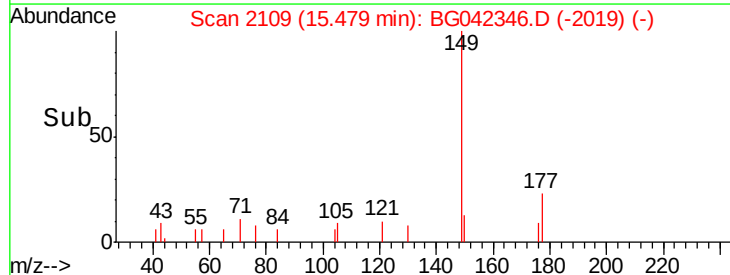
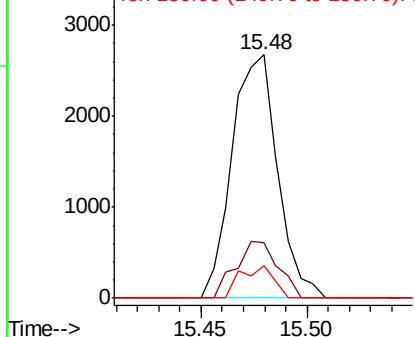


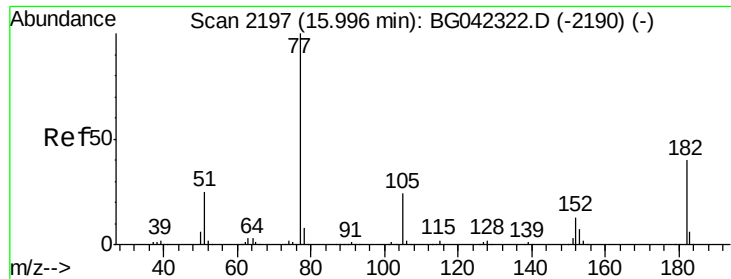
#60
 Diethylphthalate
 Concen: 0.312 ng
 RT: 15.48 min Scan# 2109
 Delta R.T. 0.00 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Tgt Ion:149 Resp: 3992
 Ion Ratio Lower Upper
 149 100
 177 22.6 20.7 31.1
 150 13.4 11.0 16.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

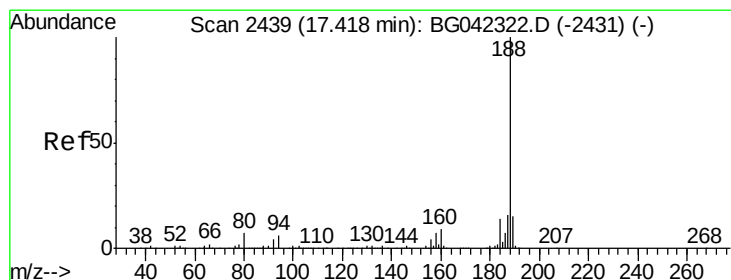
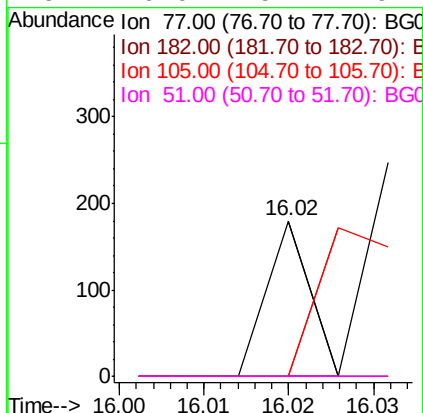
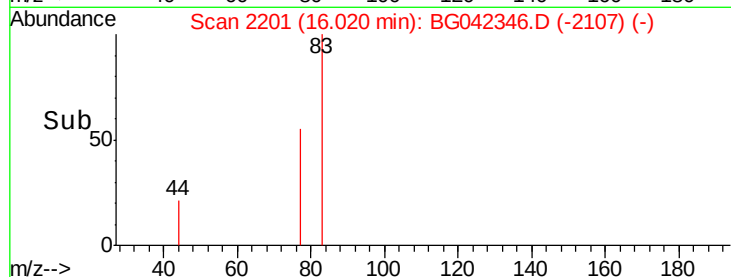
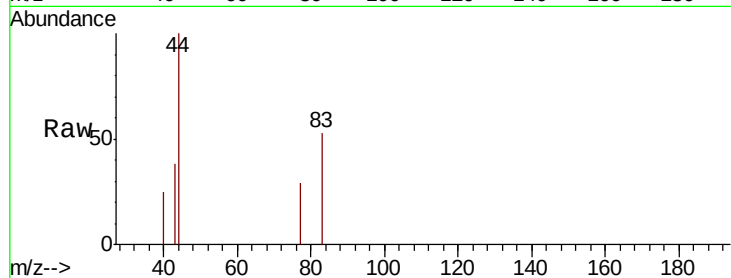




#63
Azobenzene
Concen: 0.007 ng
RT: 16.02 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

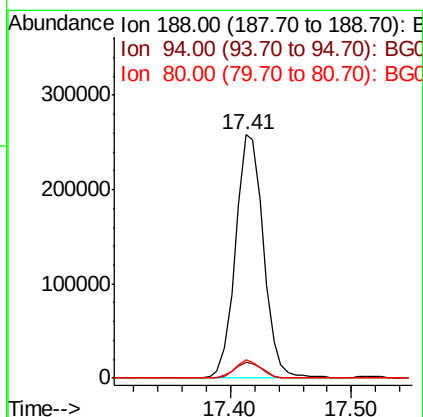
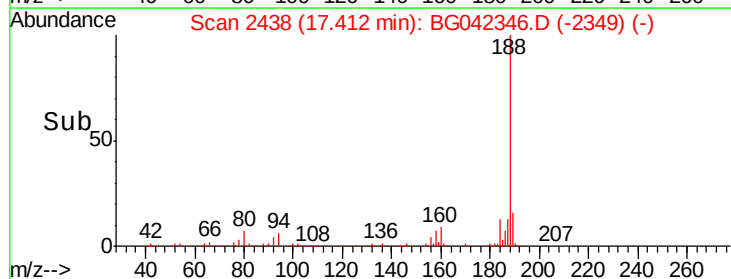
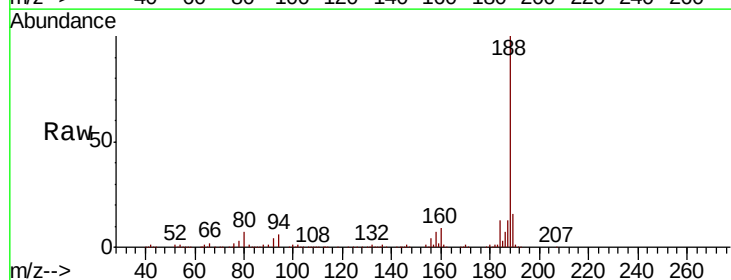
Instrument :
BNA_G
ClientSampleId :

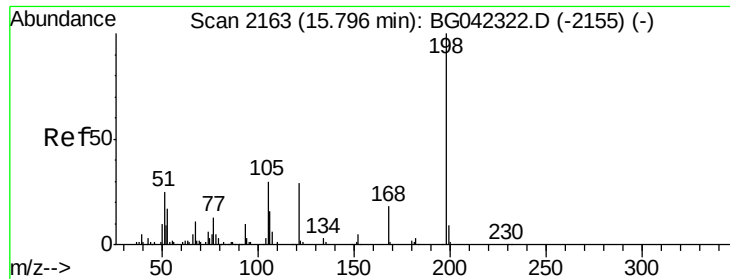
Tot Ion: 77 Resp: 63
Ion Ratio Lower Upper
77 100
182 0.0 19.7 59.7#
105 0.0 3.5 43.5#
51 0.0 5.4 45.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion: 188 Resp: 417198
Ion Ratio Lower Upper
188 100
94 6.3 4.9 7.3
80 7.5 5.4 8.0

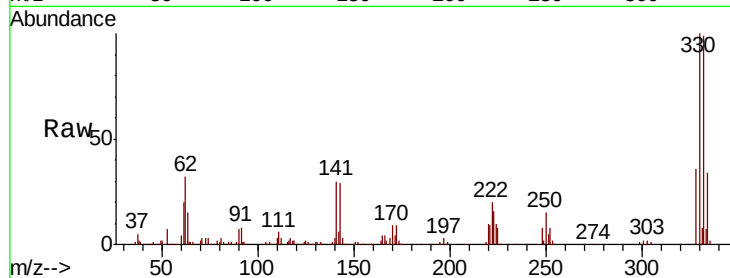




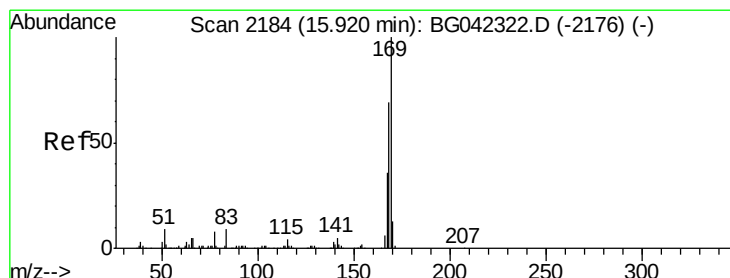
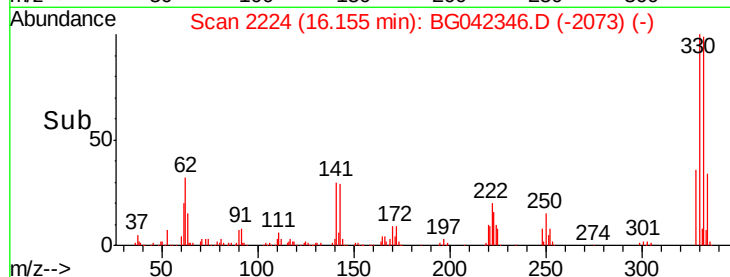
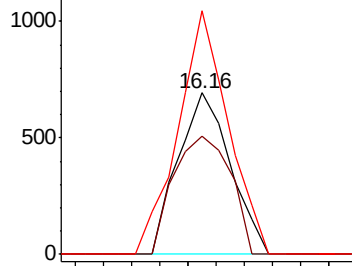
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.348 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.36 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 887
 Ion Ratio Lower Upper
 198 100
 51 73.4 6.4 46.4#
 105 150.8 10.0 50.0#

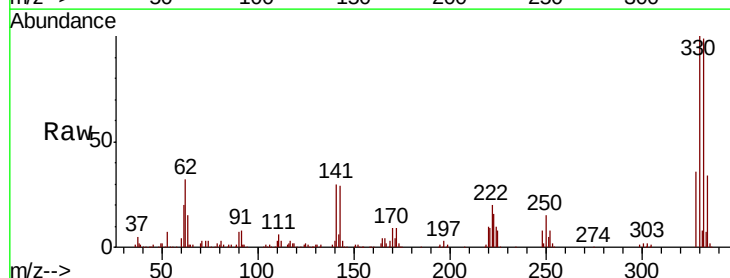


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

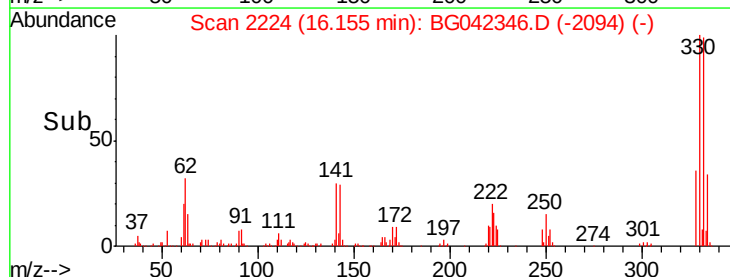
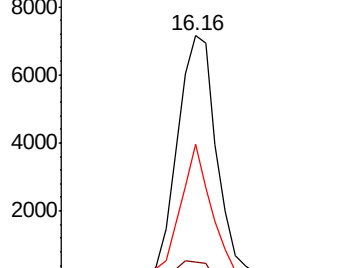


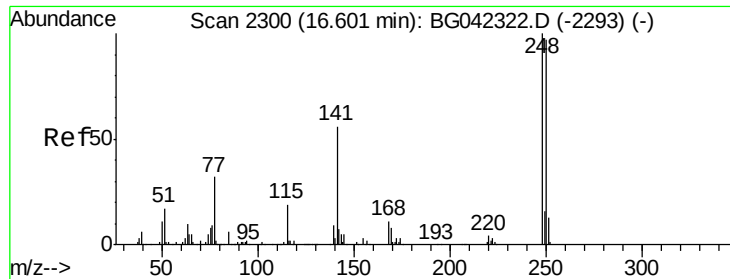
#66
 n-Nitrosodiphenylamine
 Concen: 0.996 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.24 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Tgt Ion:169 Resp: 11624
 Ion Ratio Lower Upper
 169 100
 168 7.0 55.5 83.3#
 167 55.3 28.9 43.3#



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

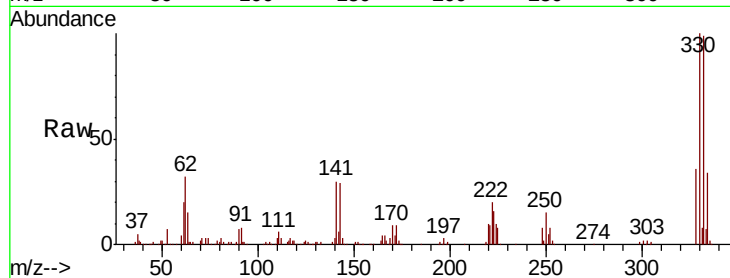




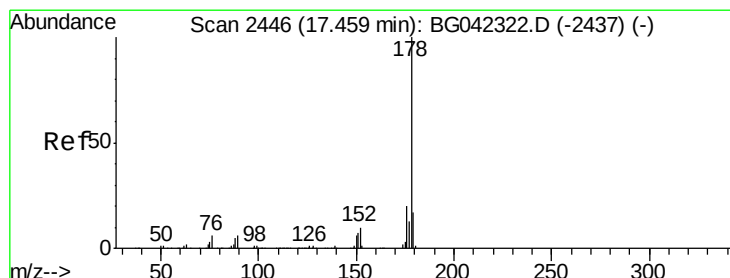
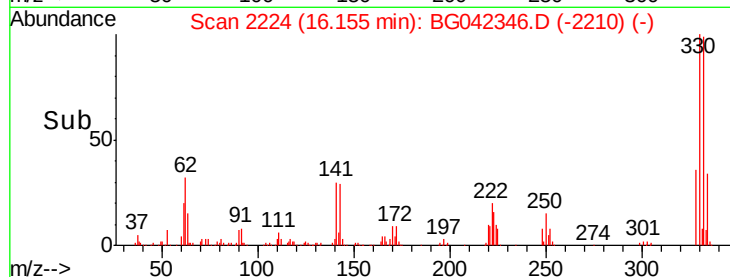
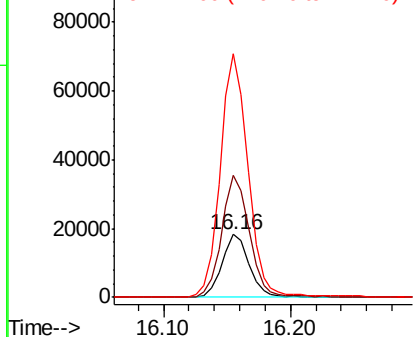
#67
 4-Bromophenyl-phenylether
 Concen: 5.131 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 27242
 Ion Ratio Lower Upper
 248 100
 250 193.4 78.0 117.0#
 141 386.5 44.9 67.3#

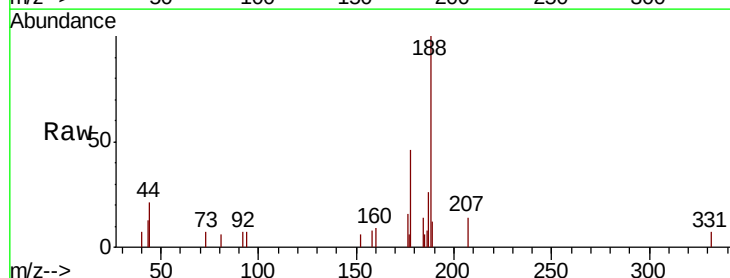


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

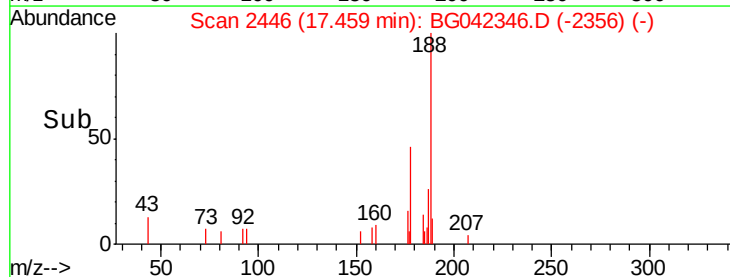
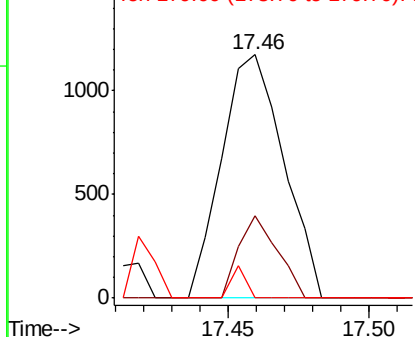


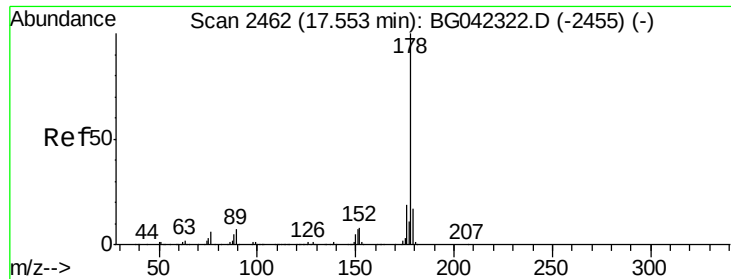
#71
 Phenanthrene
 Concen: 0.086 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG042346.D
 Acq: 20 Aug 2019 3:33

Tgt Ion:178 Resp: 1789
 Ion Ratio Lower Upper
 178 100
 176 34.1 16.2 24.4#
 179 0.0 13.7 20.5#



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





#72

Anthracene

Concen: 0.007 ng

RT: 17.56 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampleId :

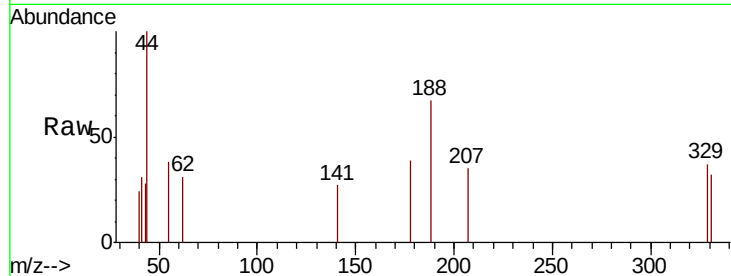
Tot Ion:178 Resp: 141

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

179 0.0 13.6 20.4#



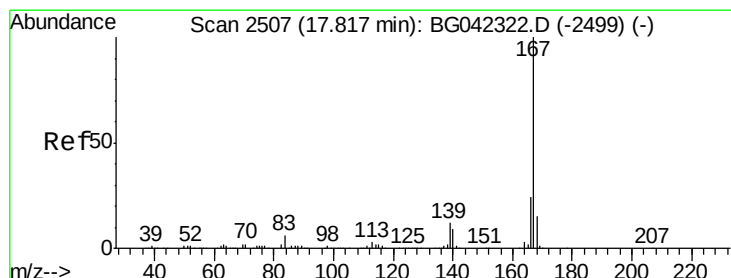
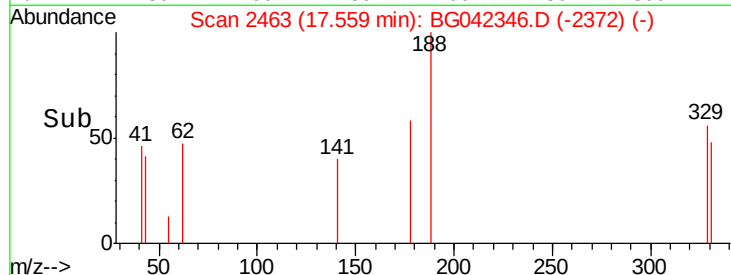
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.56

Time-->



#73

Carbazole

Concen: 0.015 ng

RT: 17.69 min Scan# 2486

Delta R.T. -0.12 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

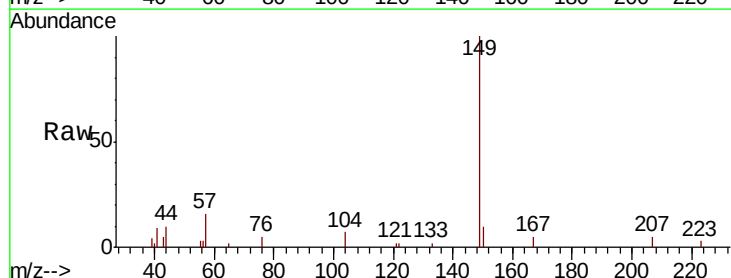
Tgt Ion:167 Resp: 283

Ion Ratio Lower Upper

167 100

166 0.0 19.0 28.6#

139 0.0 9.7 14.5#



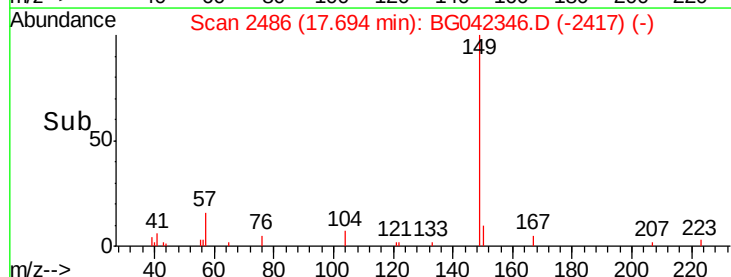
Abundance Ion 167.00 (166.70 to 167.70): E

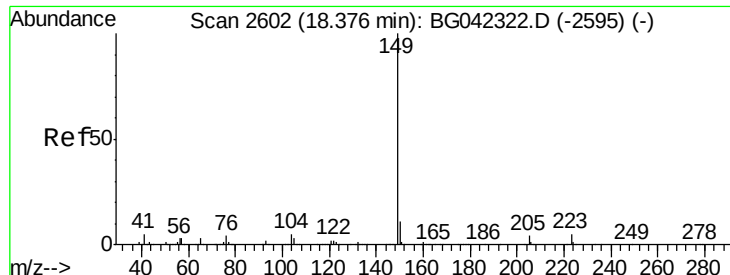
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.69

Time-->

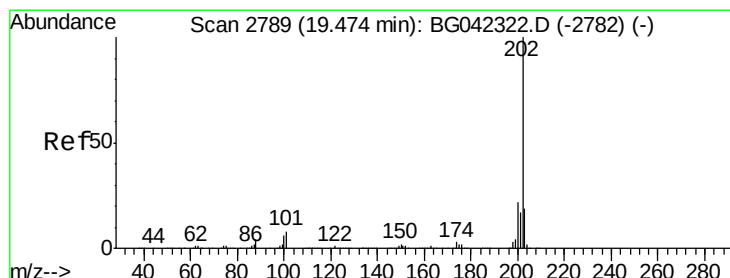
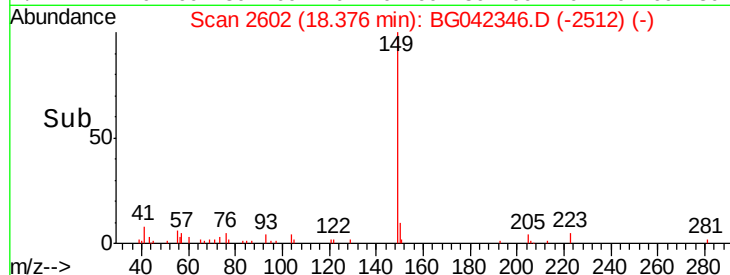
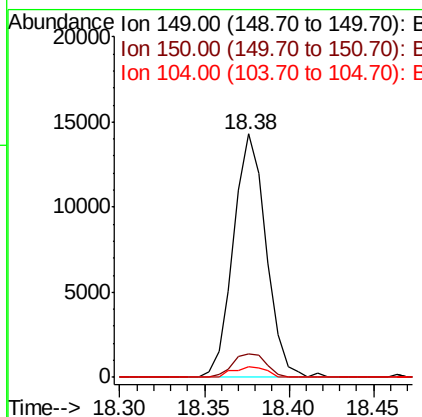
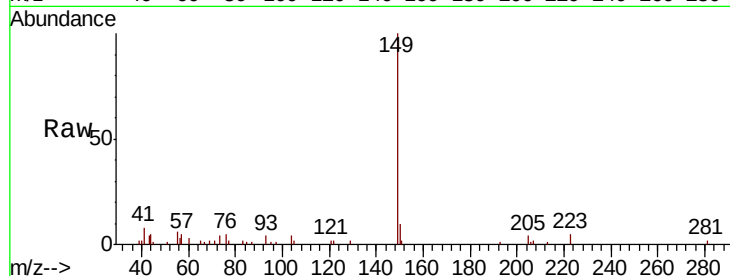




#74
Di-n-butylphthalate
Concen: 0.898 ng
RT: 18.38 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

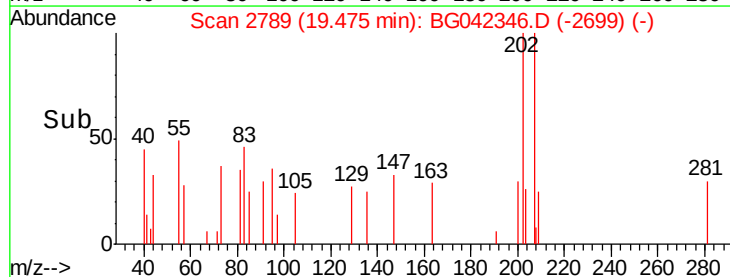
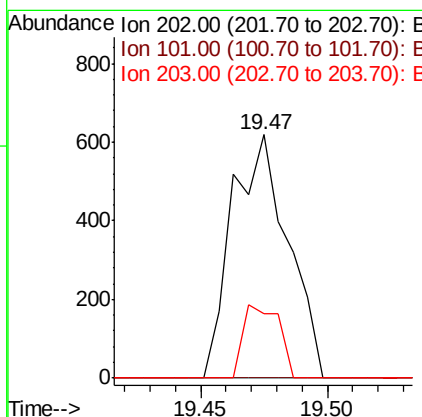
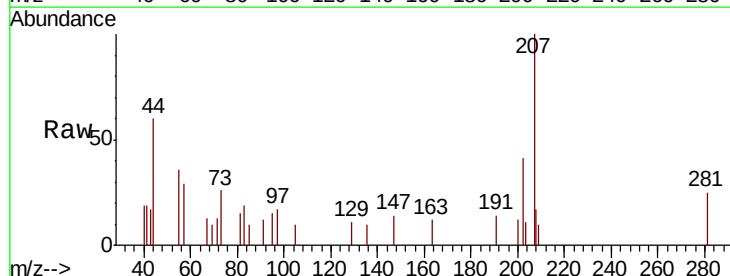
Instrument :
BNA_G
ClientSampleId :

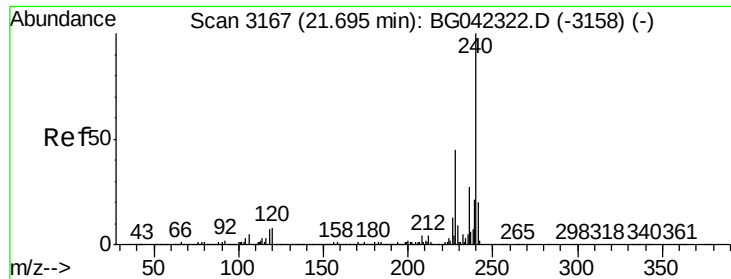
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.4	12.6
104	4.3	3.7	5.5



#75
Fluoranthene
Concen: 0.038 ng
RT: 19.47 min Scan# 2789
Delta R.T. 0.00 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.0
203	26.2	0.0	39.1

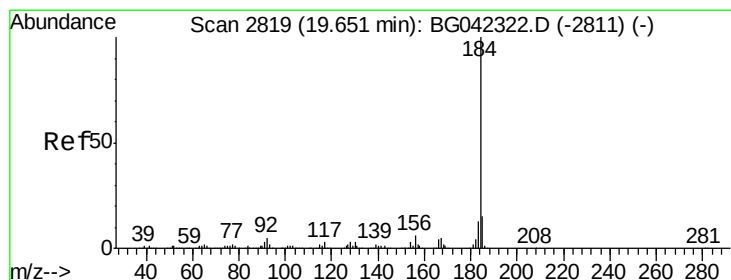
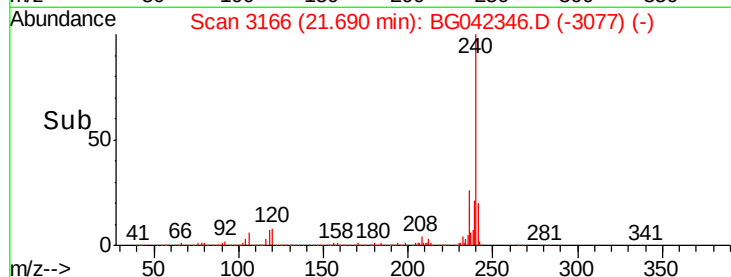
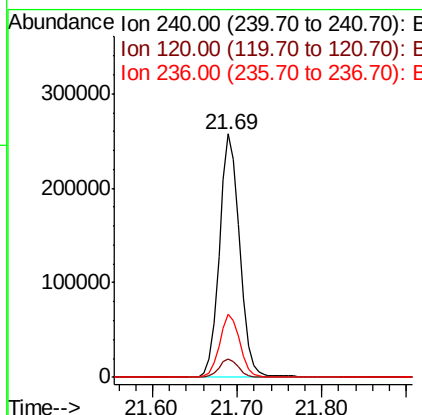
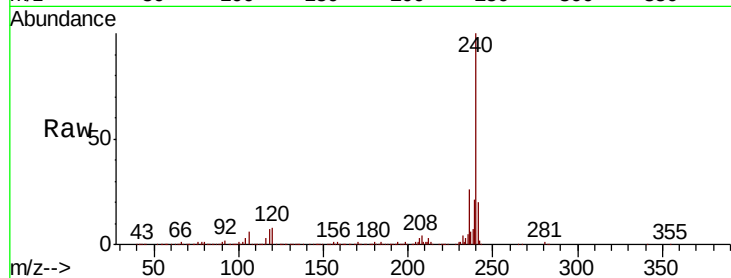




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

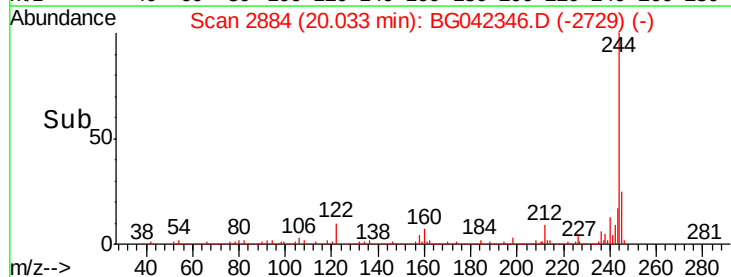
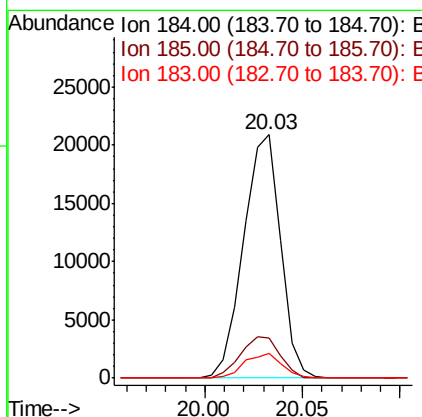
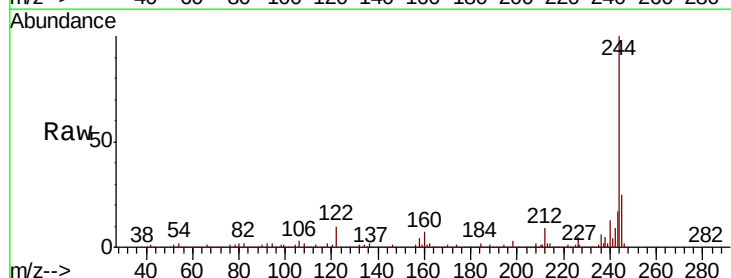
Instrument :
BNA_G
ClientSampleId :

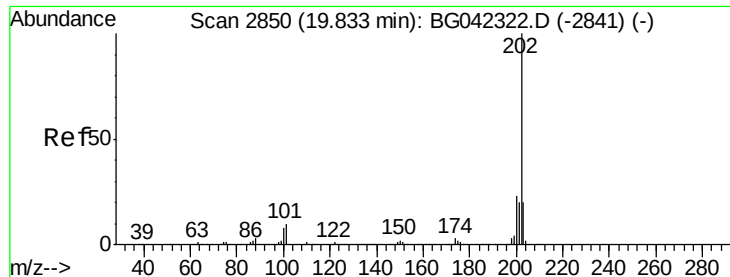
Tot Ion:240 Resp: 430679
Ion Ratio Lower Upper
240 100
120 7.7 6.0 9.0
236 25.7 21.6 32.4



#77
Benzidine
Concen: 2.407 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion:184 Resp: 27491
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.6
183 10.3 10.6 15.8#





#78

Pvrene

Concen: 0.029 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampleId :

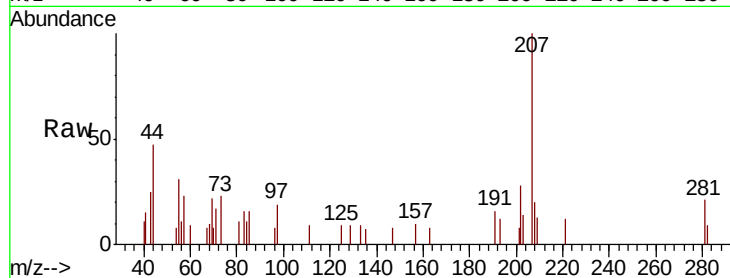
Tot Ion:202 Resp: 762

Ion Ratio Lower Upper

202 100

200 0.0 18.1 27.1#

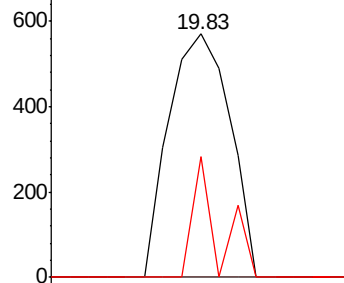
203 49.7 15.8 23.8#



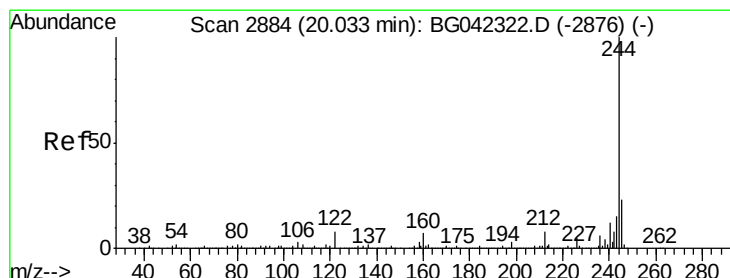
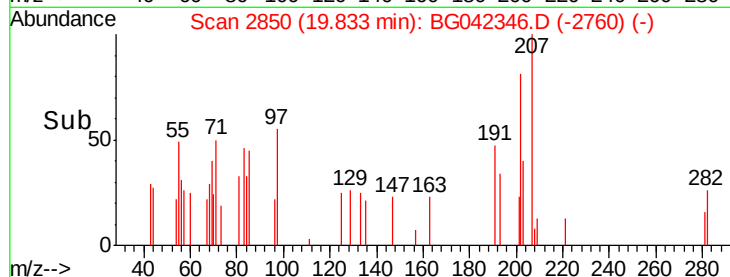
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 99.075 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.00 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

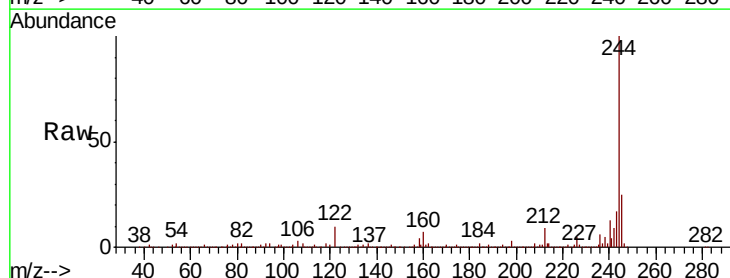
Tgt Ion:244 Resp: 1948124

Ion Ratio Lower Upper

244 100

212 8.8 6.4 9.6

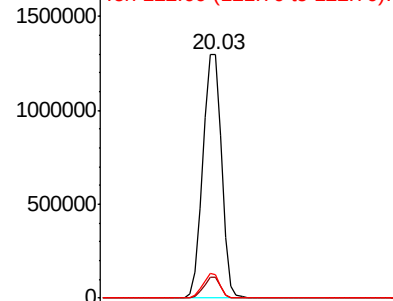
122 9.7 6.6 10.0



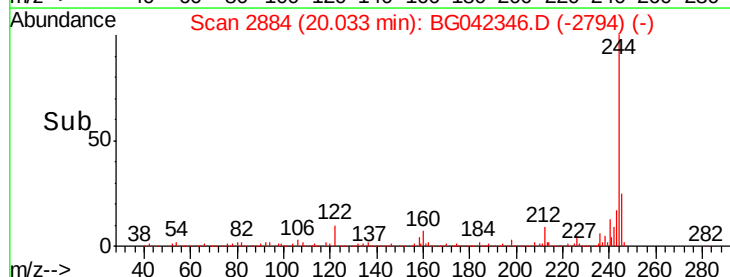
Abundance Ion 244.00 (243.70 to 244.70): E

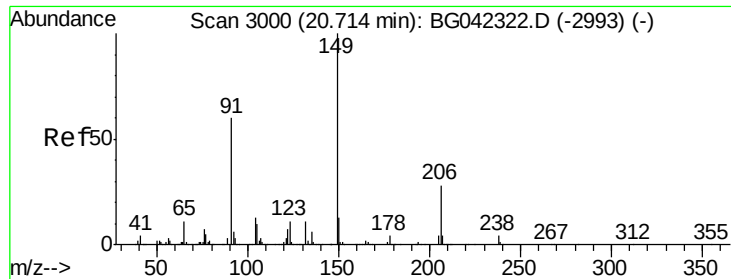
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

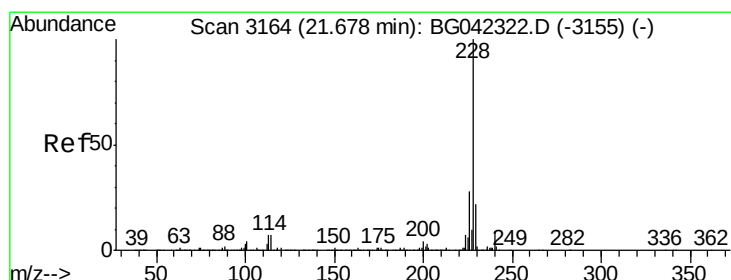
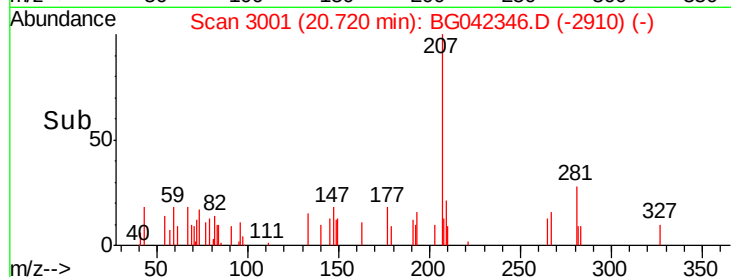
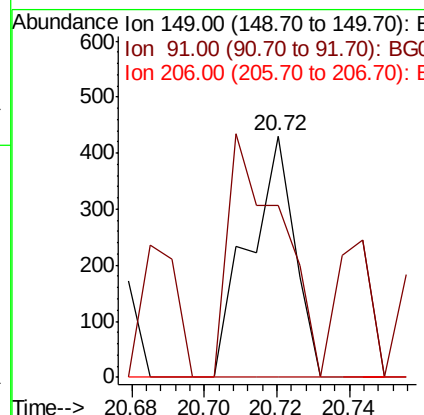
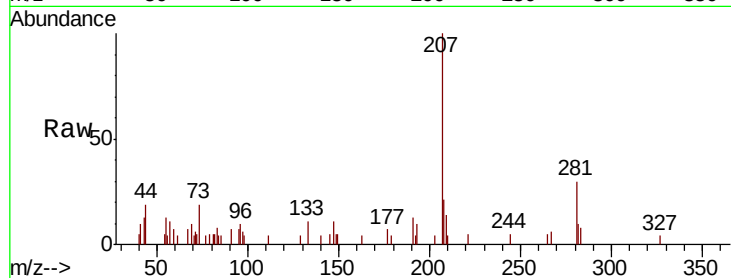




#80
Butylbenzylphthalate
Concen: 0.036 ng
RT: 20.72 min Scan# 3001
Delta R.T. 0.01 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

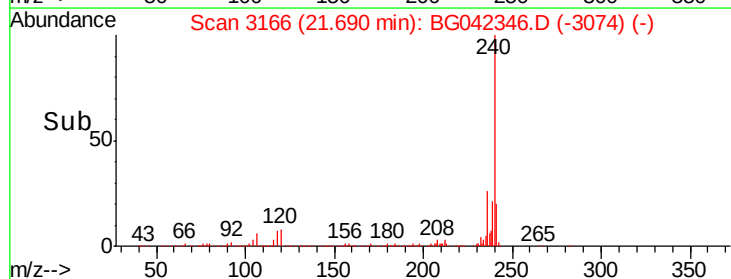
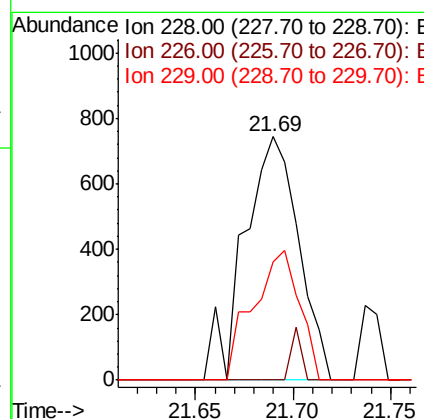
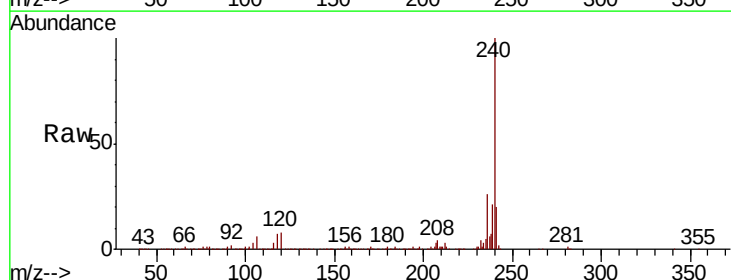
Instrument :
BNA_G
ClientSampled :

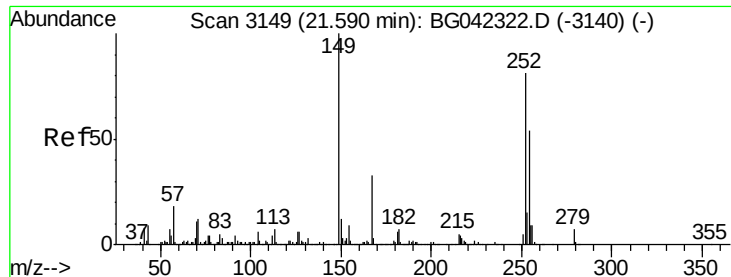
Tot Ion	Ratio	Lower	Upper
149	100		
91	71.2	47.8	71.6
206	0.0	22.6	33.8



#81
Benzo(a)anthracene
Concen: 0.054 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042346.D
Acq: 20 Aug 2019 3:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1
229	48.5	17.4	26.2





#82

3,3'-Dichlorobenzidine

Concen: 0.013 ng

RT: 21.33 min Scan# 3105

Delta R.T. -0.26 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampled :

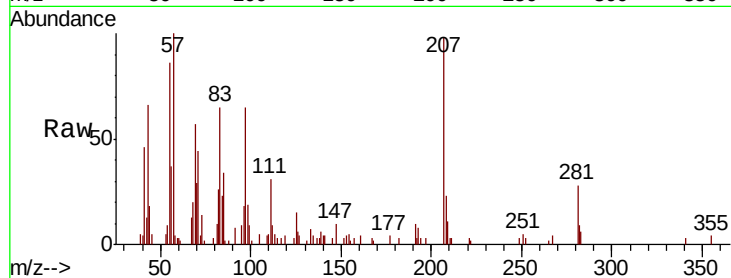
Tot Ion:252 Resp: 134

Ion Ratio Lower Upper

252 100

254 0.0 53.0 79.6#

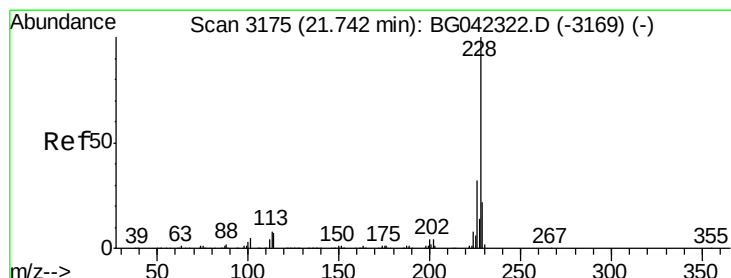
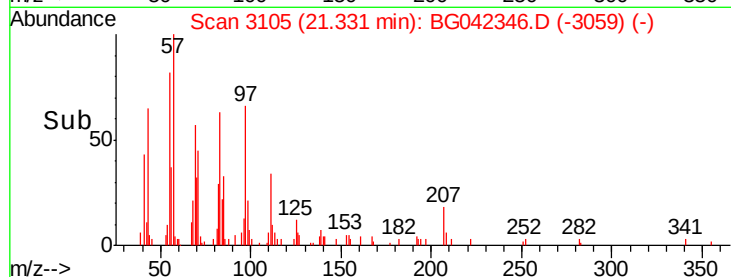
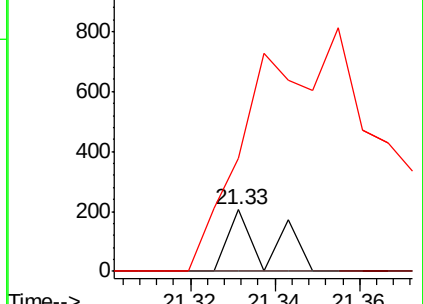
126 183.5 6.2 9.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 0.006 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

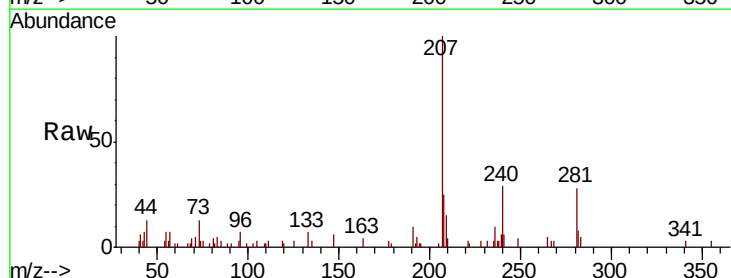
Tgt Ion:228 Resp: 153

Ion Ratio Lower Upper

228 100

226 0.0 25.6 38.4#

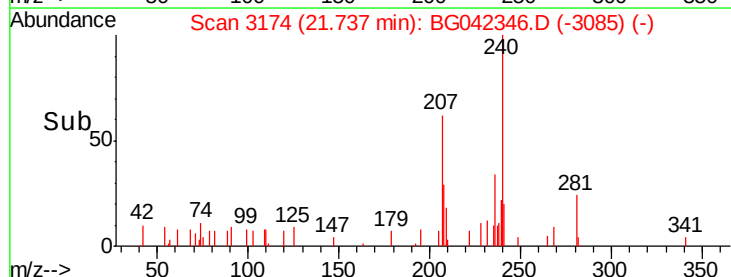
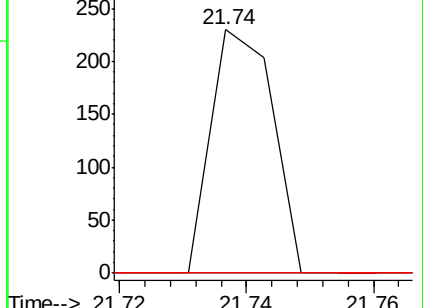
229 0.0 17.8 26.6#

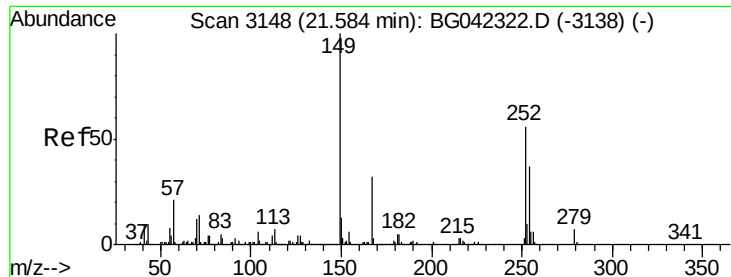


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.152 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampleId :

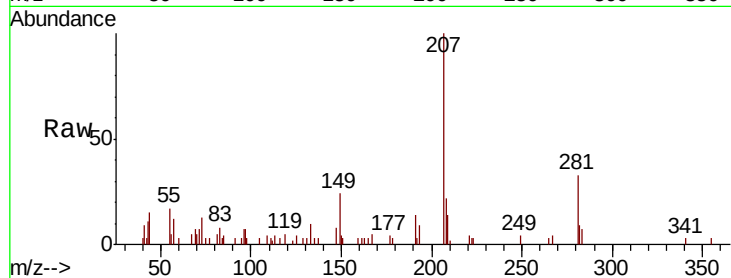
Tot Ion:149 Resp: 2226

Ion Ratio Lower Upper

149 100

167 22.6 25.4 38.0#

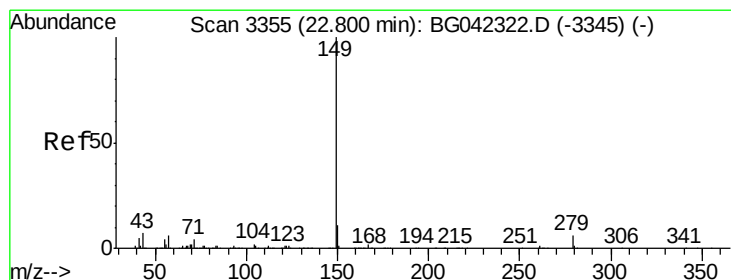
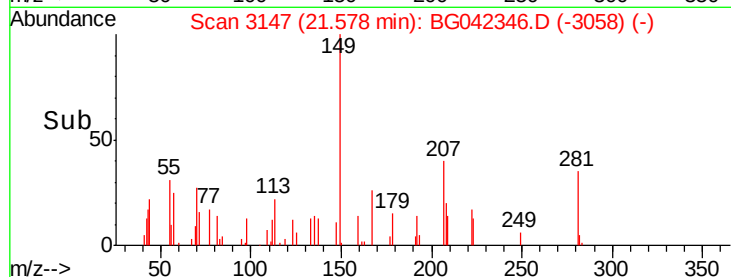
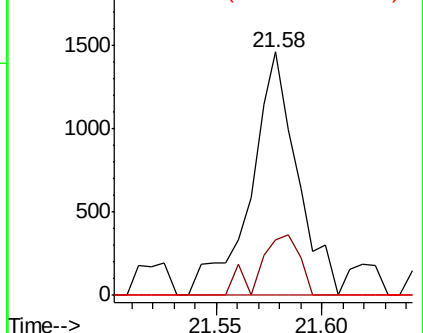
279 0.0 5.8 8.6#



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



#85

Di-n-octyl phthalate

Concen: 0.026 ng

RT: 22.78 min Scan# 3351

Delta R.T. -0.02 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

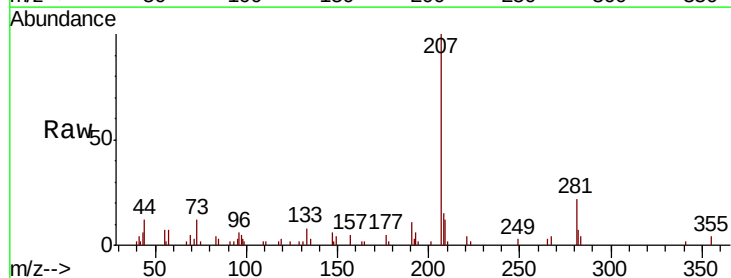
Tgt Ion:149 Resp: 639

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

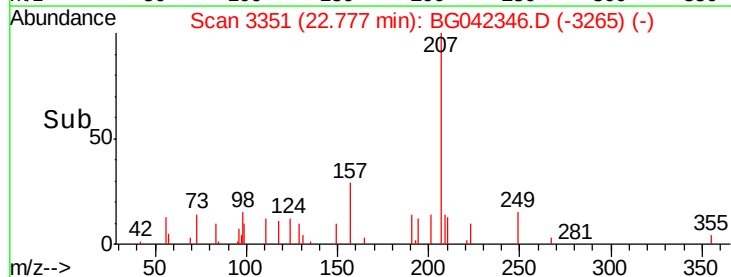
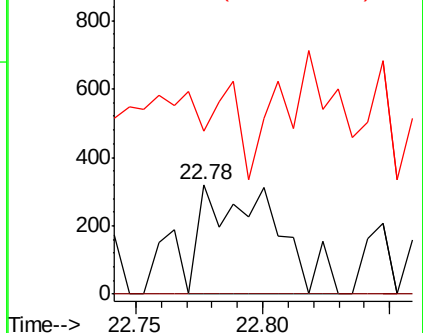
43 0.0 5.4 8.2#

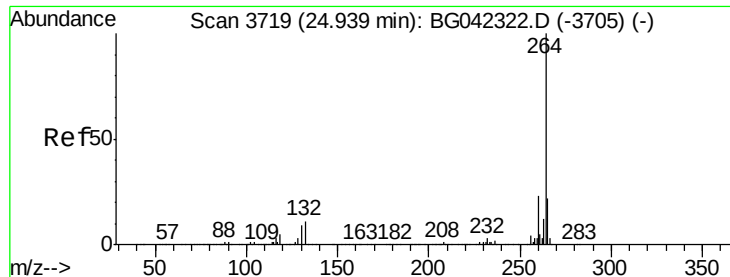


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampleId :

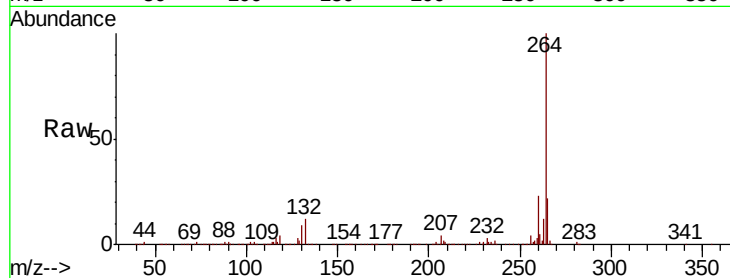
Tot Ion:264 Resp: 501811

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

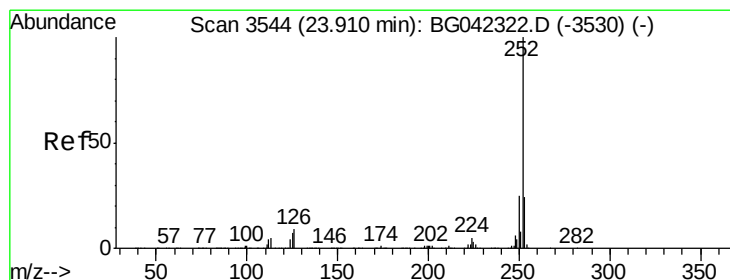
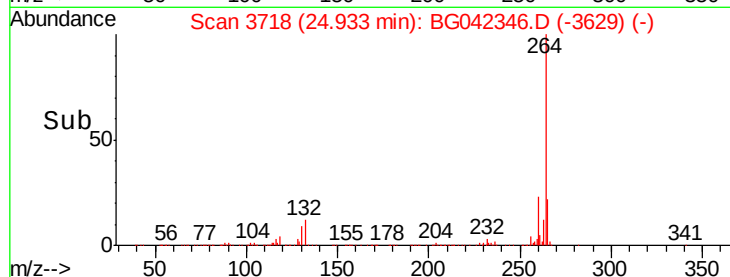
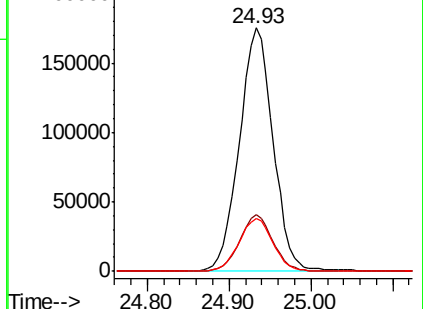
265 21.7 17.4 26.0



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



#88

Benzo(b)fluoranthene

Concen: 0.013 ng

RT: 23.91 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

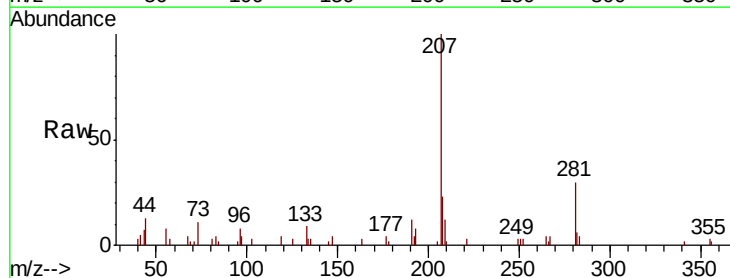
Tgt Ion:252 Resp: 345

Ion Ratio Lower Upper

252 100

253 0.0 18.9 28.3#

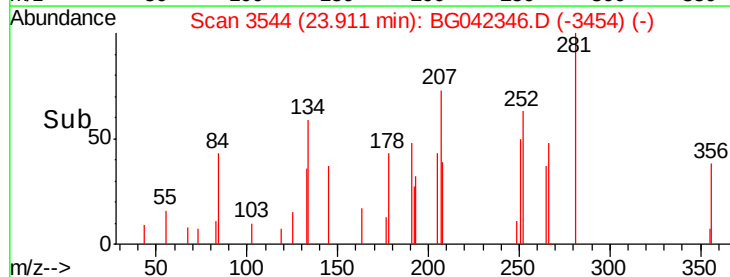
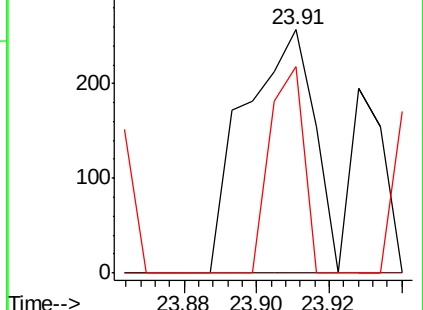
125 84.8 5.8 8.6#

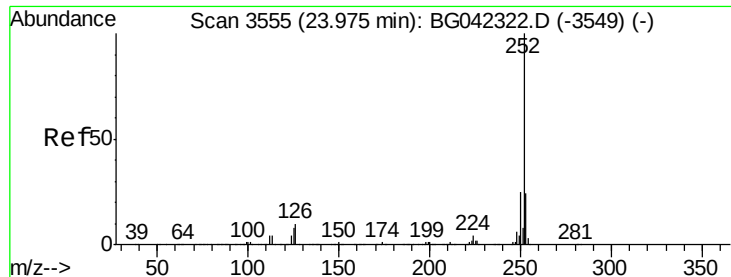


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.96 min Scan# 3552

Delta R.T. -0.02 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

Instrument :

BNA_G

ClientSampled :

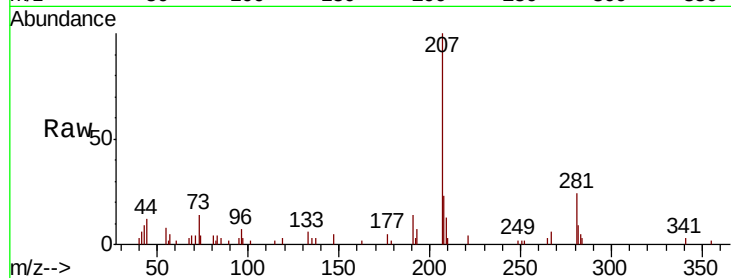
Tot Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

253 0.0 19.0 28.4#

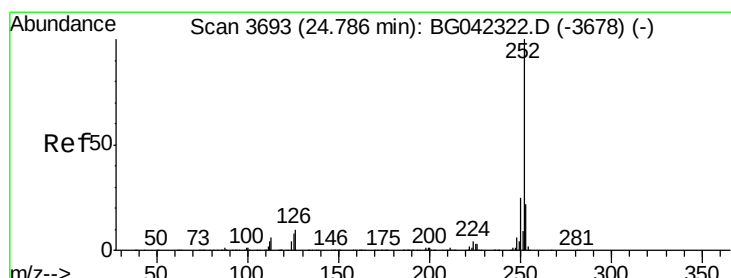
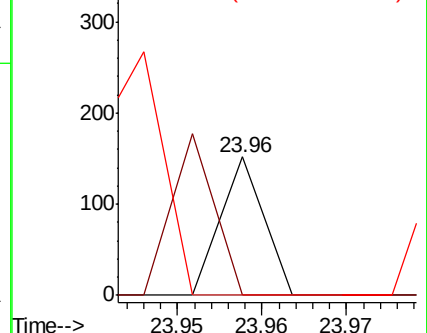
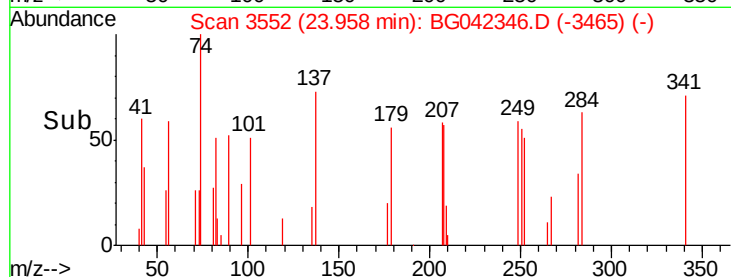
125 0.0 6.0 9.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 0.005 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG042346.D

Acq: 20 Aug 2019 3:33

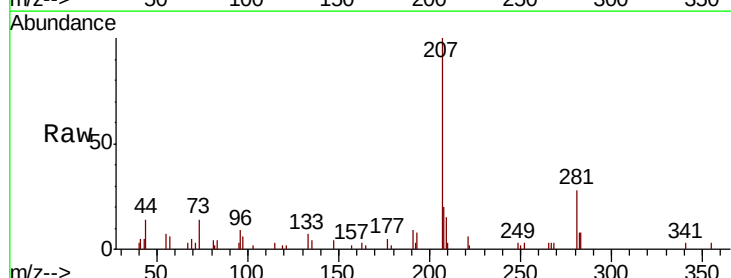
Tgt Ion:252 Resp: 123

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

125 0.0 6.7 10.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

