

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042338.D
 Acq On : 19 Aug 2019 22:26
 Operator : HP/JU
 Sample : K4330-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:25:32 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	59536	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	230628	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	170140	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	384544	20.00	ng	0.00
76) Chrysene-d12	21.69	240	399761	20.00	ng	0.00
87) Perylene-d12	24.94	264	476803	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	307620	104.69	ng	0.00
7) Phenol-d6	7.18	99	420364	105.33	ng	0.01
23) Nitrobenzene-d5	9.17	82	231224	70.51	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	211660	91.34	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	701650	69.78	ng	0.00
79) Terphenyl-d14	20.03	244	1176583	64.46	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.43	88	322	0.254	ng	# 70
4) n-Nitrosodimethylamine	3.73	42	291	0.260	ng	# 1
6) Aniline	7.54	93	415	0.079	ng	# 1
9) Benzaldehyde	7.18	77	579	0.258	ng	# 1
10) Phenol	7.20	94	3667	0.904	ng	# 41
11) bis(2-Chloroethyl)ether	7.54	93	415	0.129	ng	# 1
15) Benzyl Alcohol	8.33	79	3477	1.267	ng	# 39
19) n-Nitroso-di-n-propylamine	9.17	70	29211	11.380	ng	# 70
24) Nitrobenzene	9.17	77	732	0.219	ng	# 33
25) Isophorone	9.59	82	62	0.009	ng	# 59
46) 1,1'-Biphenyl	13.50	154	888	0.080	ng	# 85
48) 2-Nitroaniline	14.10	65	729	0.326	ng	# 1
50) Dimethylphthalate	14.11	163	108916	9.009	ng	# 99
51) 2,6-Dinitrotoluene	14.11	165	1133	0.400	ng	# 40
52) Acenaphthene	14.66	154	490	0.056	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	21671	5.478	ng	# 38
58) Fluorene	16.15	166	7953	0.692	ng	# 87
63) Azobenzene	16.15	77	539	0.066	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.15	198	402	0.171	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	6049	0.562	ng	# 47
67) 4-Bromophenyl-phenylether	16.15	248	14956	3.056	ng	# 1
71) Phenanthrene	17.46	178	300	0.016	ng	# 58
72) Anthracene	17.46	178	300	0.016	ng	# 59
74) Di-n-butylphthalate	18.38	149	956	0.048	ng	# 76
75) Fluoranthene	19.48	202	993	0.043	ng	# 70
77) Benzidine	20.03	184	14889	1.405	ng	# 94
78) Pyrene	19.83	202	1208	0.049	ng	# 99
80) Butylbenzylphthalate	20.72	149	285	0.029	ng	# 29
81) Benzo(a)anthracene	21.69	228	1711	0.070	ng	# 60
82) 3,3'-Dichlorobenzidine	21.34	252	79	0.008	ng	# 1
83) Chrysene	21.74	228	503	0.021	ng	# 43
84) Bis(2-ethylhexyl)phthalate	21.58	149	1509	0.111	ng	# 83
85) Di-n-octyl phthalate	22.80	149	221	0.010	ng	# 70
86) Indeno(1,2,3-cd)pyrene	28.64	276	63	0.002	ng	# 53

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QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

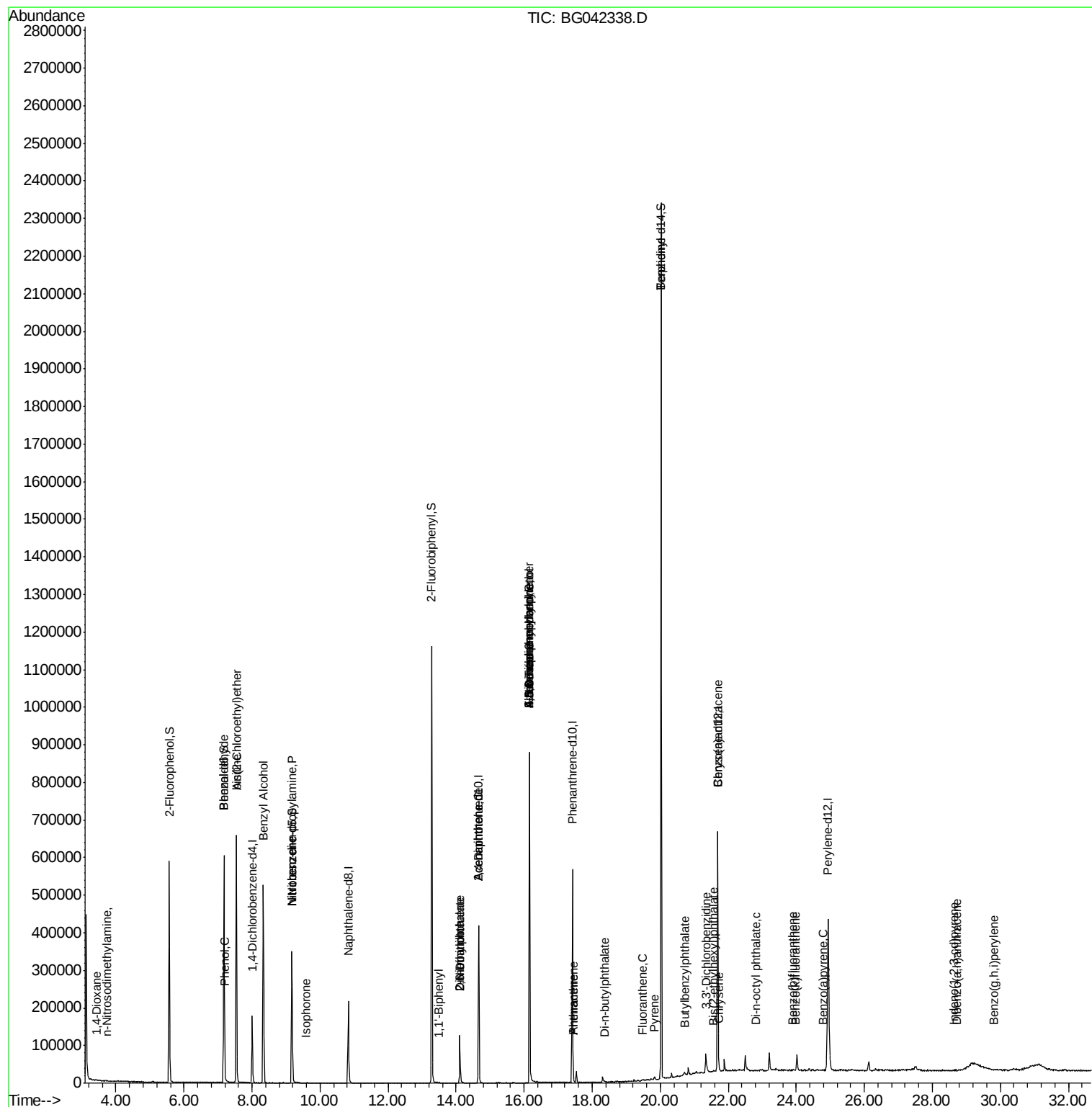
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	23.90	252	431	0.016	ng	# 1
89) Benzo(k)fluoranthene	23.97	252	259	0.010	ng	# 20
90) Benzo(a)pyrene	24.79	252	591	0.024	ng	# 1
91) Dibenzo(a,h)anthracene	28.72	278	77	0.003	ng	# 57
92) Benzo(g,h,i)perylene	29.81	276	125	0.005	ng	# 55

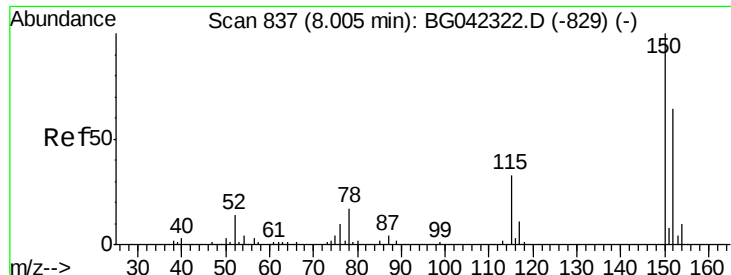
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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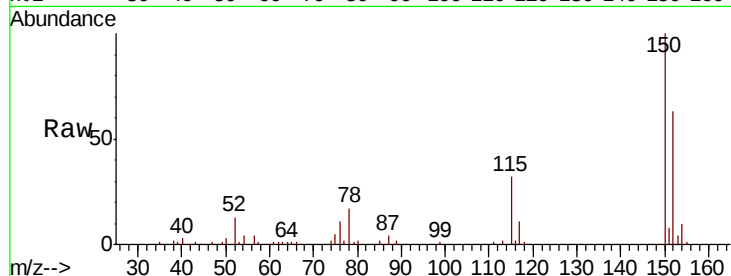


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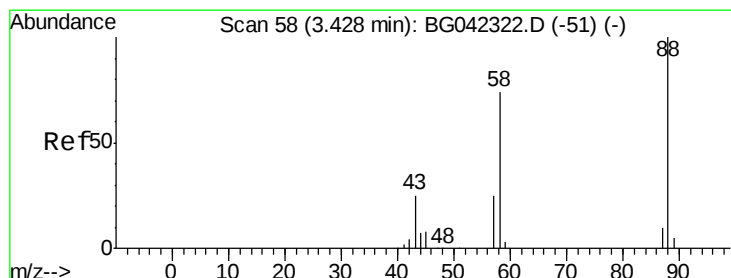
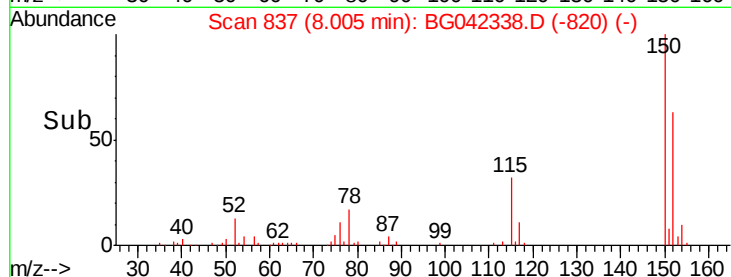
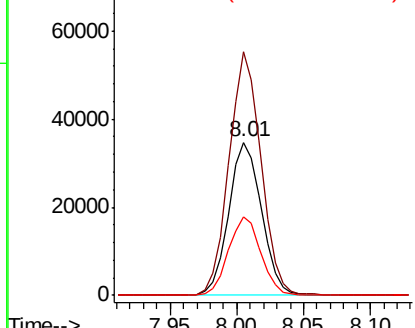
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59536
Ion Ratio Lower Upper
152 100
150 159.2 124.3 186.5
115 50.9 40.5 60.7



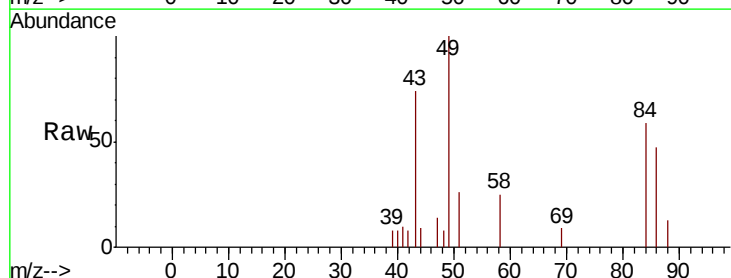
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



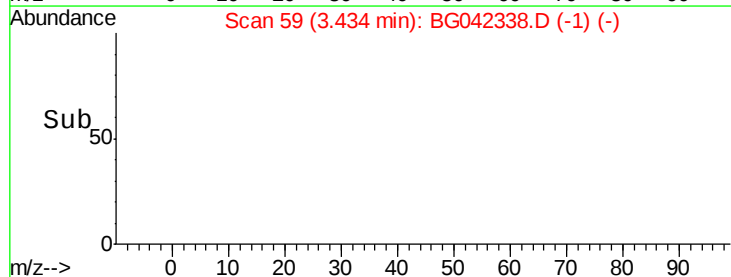
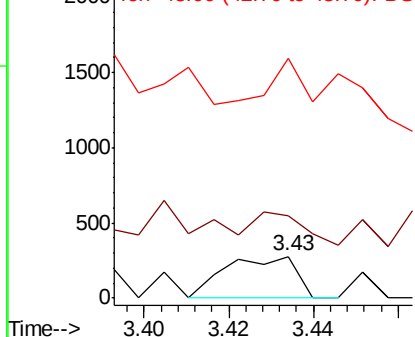
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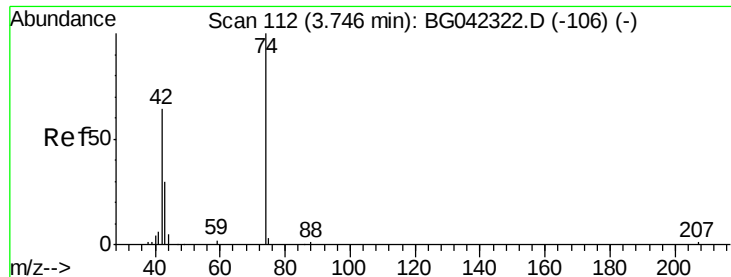
1,4-Dioxane
Concen: 0.254 ng
RT: 3.43 min Scan# 59
Delta R.T. 0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion: 88 Resp: 322
Ion Ratio Lower Upper
88 100
58 53.4 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



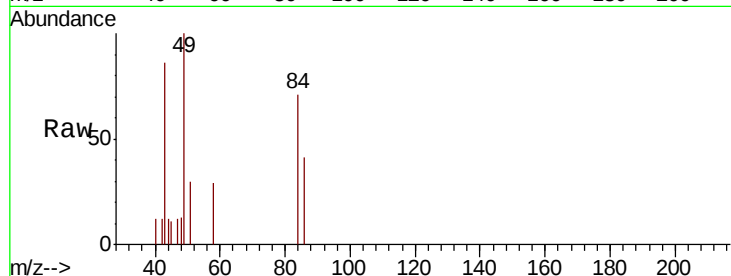


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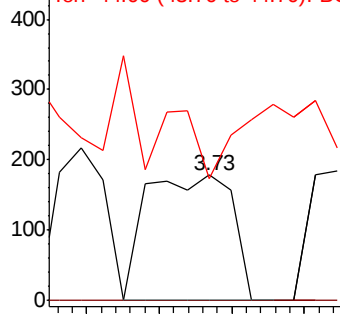
n-Nitrosodimethylamine
 Concen: 0.260 ng
 RT: 3.73 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Instrument :
 BNA_G
 ClientSampled :

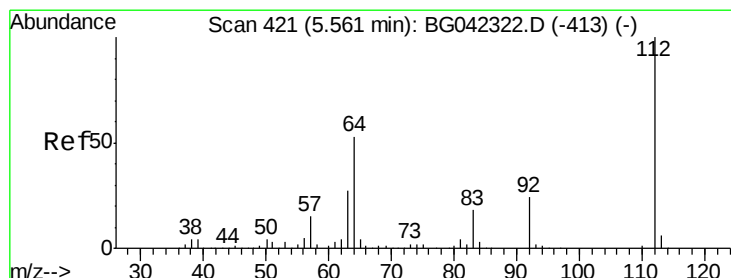
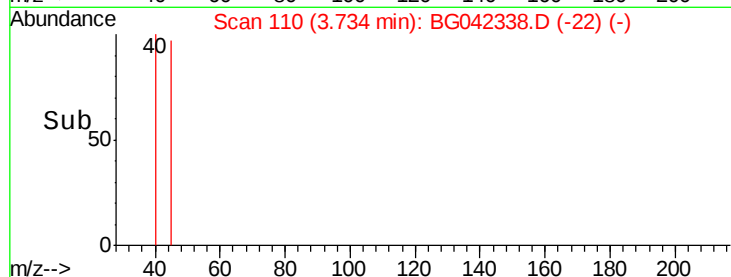
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	124.2	186.2#
44	97.2	6.5	9.7#



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



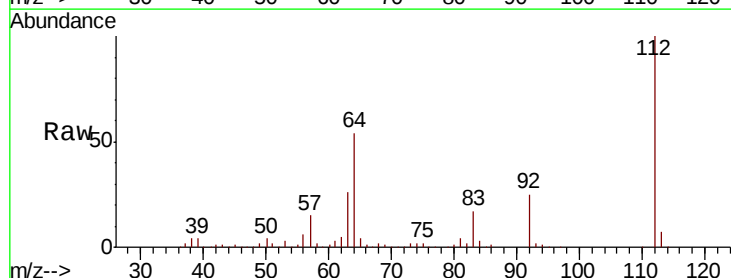
Time-->



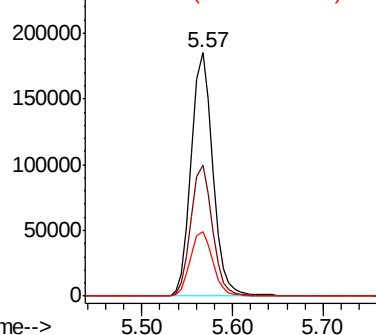
#5

2-Fluorophenol
 Concen: 104.687 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

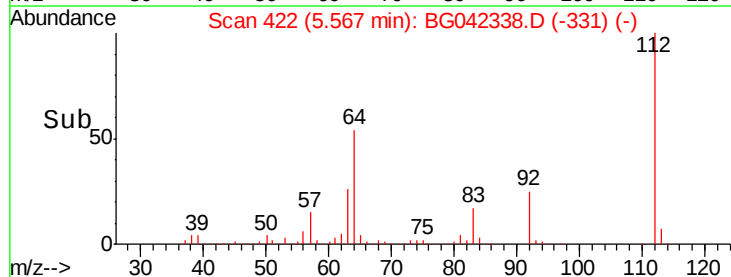
Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	42.5	63.7
63	26.2	21.7	32.5

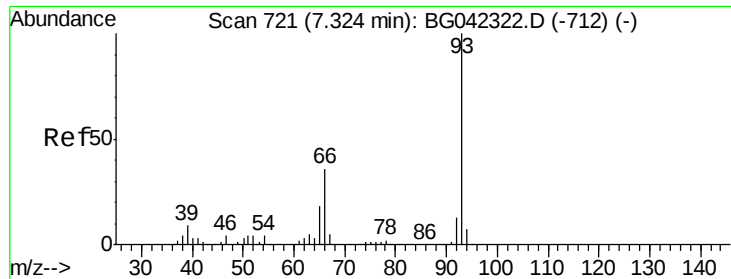


Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC



Time-->

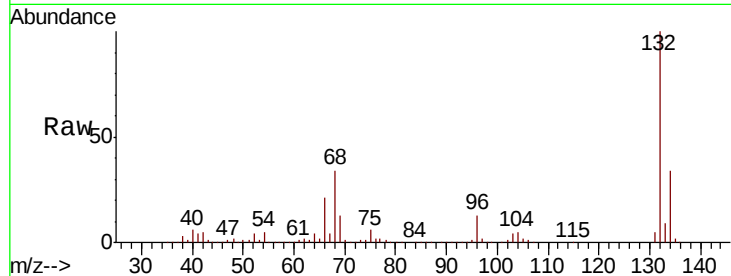




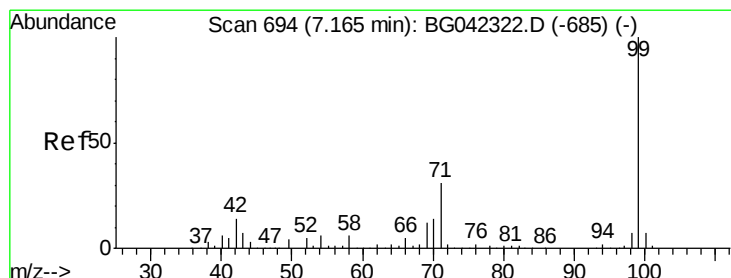
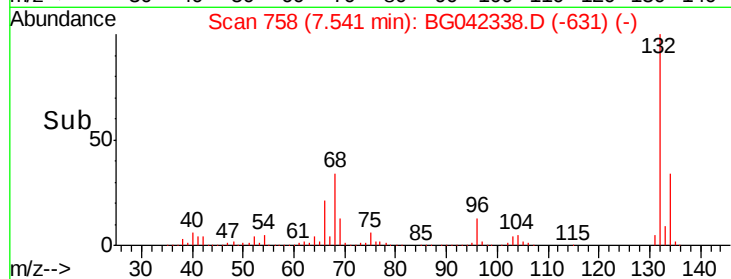
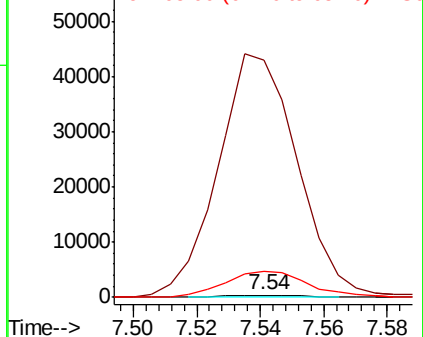
#6
Aniline
Concen: 0.079 ng
RT: 7.54 min Scan# 758
Delta R.T. 0.22 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 93 Resp: 415
Ion Ratio Lower Upper
93 100
66 13712.1 29.1 43.7#
65 1479.0 14.7 22.1#

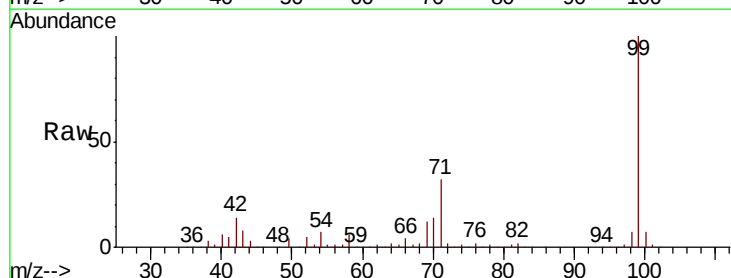


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

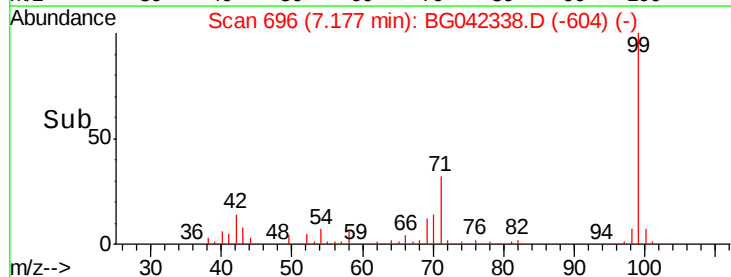
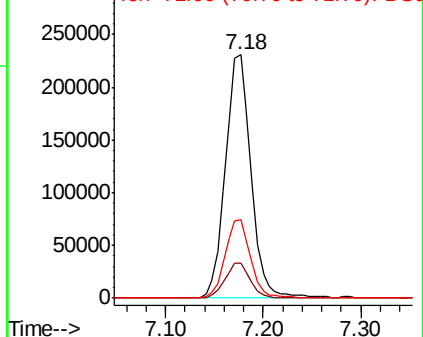


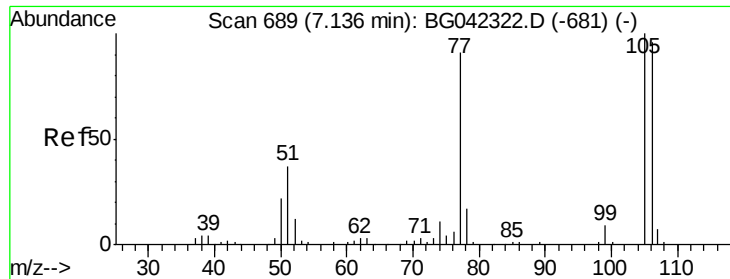
#7
Phenol-d6
Concen: 105.334 ng
RT: 7.18 min Scan# 696
Delta R.T. 0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion: 99 Resp: 420364
Ion Ratio Lower Upper
99 100
42 14.3 11.4 17.0
71 32.3 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: 0.258 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.04 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampleId :

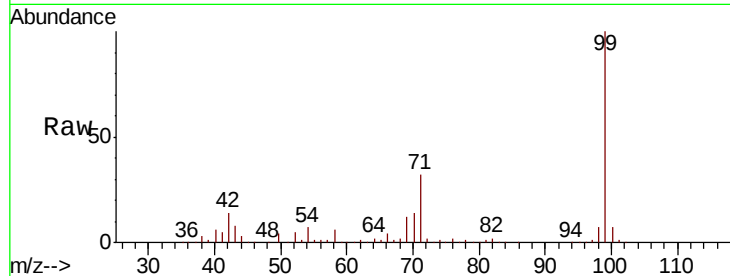
Tot Ion: 77 Resp: 579

Ion Ratio Lower Upper

77 100

105 0.0 89.8 129.8#

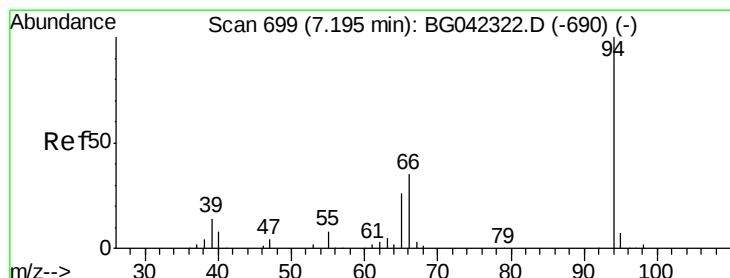
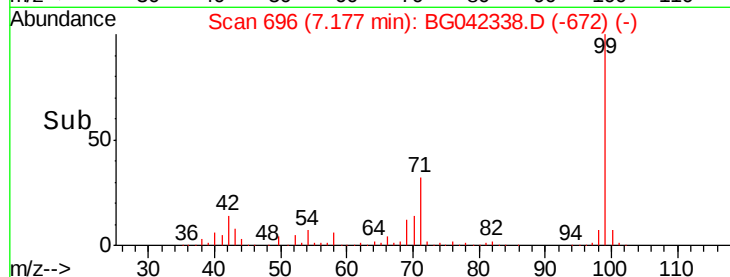
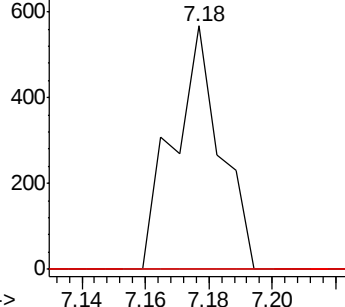
106 0.0 85.1 125.1#



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: 0.904 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

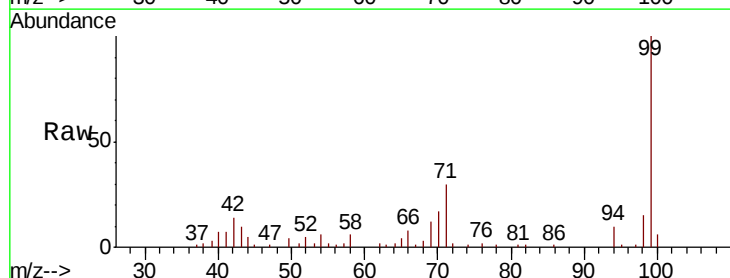
Tgt Ion: 94 Resp: 3667

Ion Ratio Lower Upper

94 100

65 40.7 6.1 46.1

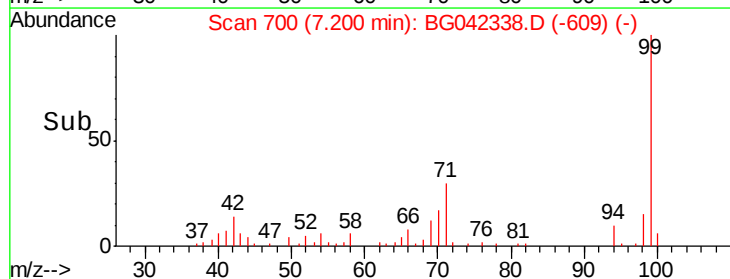
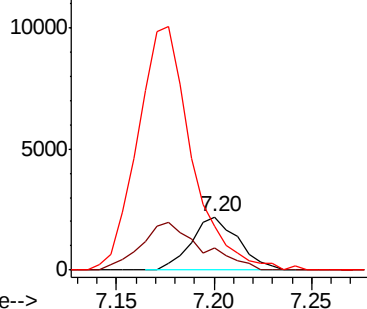
66 83.2 15.7 55.7#

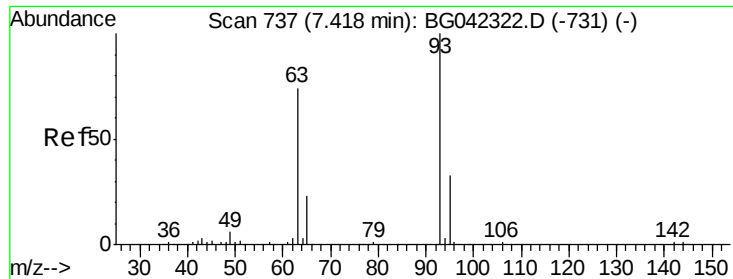


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

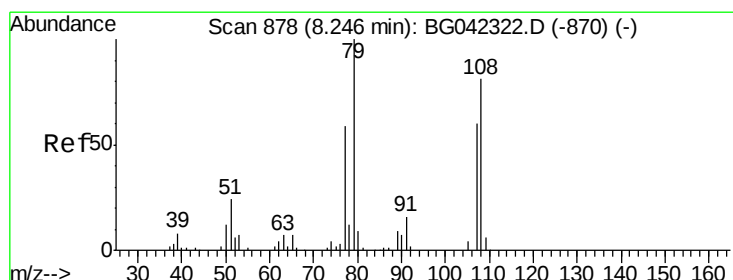
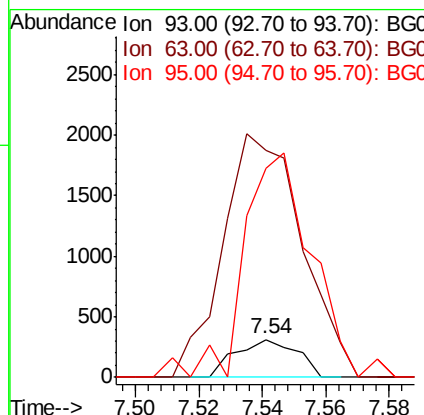
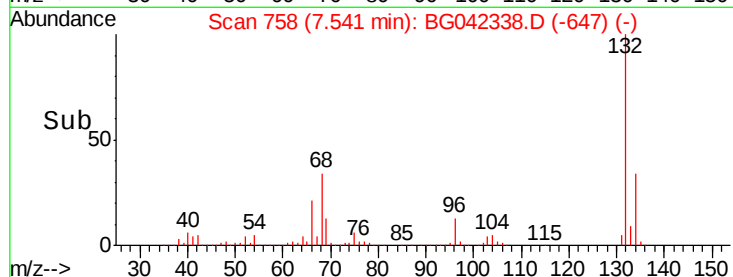
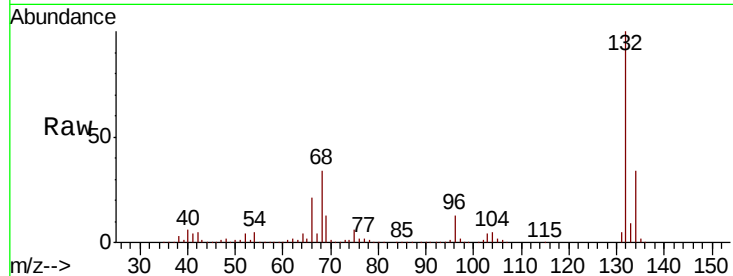




#11
bis(2-Chloroethyl)ether
Concen: 0.129 ng
RT: 7.54 min Scan# 758
Delta R.T. 0.12 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

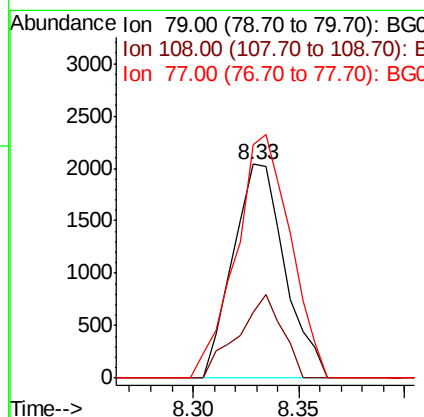
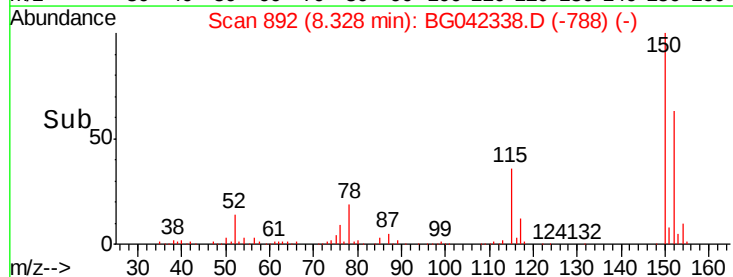
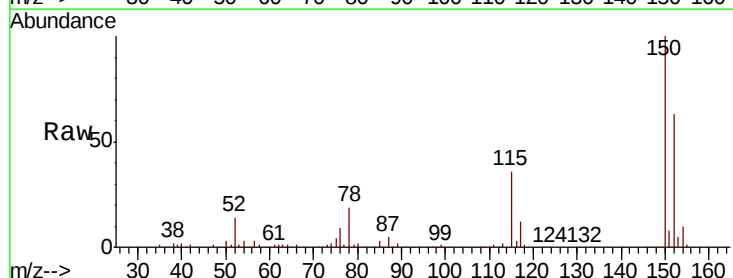
Instrument :
BNA_G
ClientSampleId :

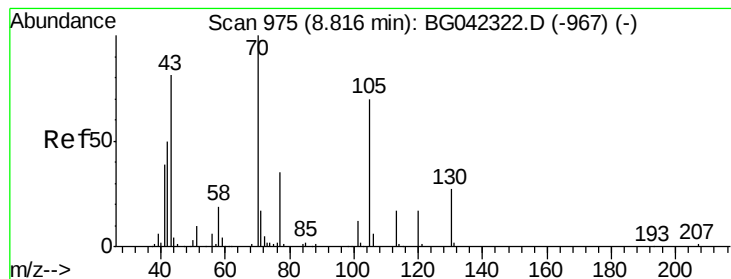
Tot Ion: 93 Resp: 415
Ion Ratio Lower Upper
93 100
63 597.8 53.0 93.0#
95 548.4 13.0 53.0#



#15
Benzyl Alcohol
Concen: 1.267 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion: 79 Resp: 3477
Ion Ratio Lower Upper
79 100
108 30.7 64.8 97.2#
77 109.2 47.6 71.4#





#19

n-Nitroso-di-n-propylamine

Concen: 11.380 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 29211

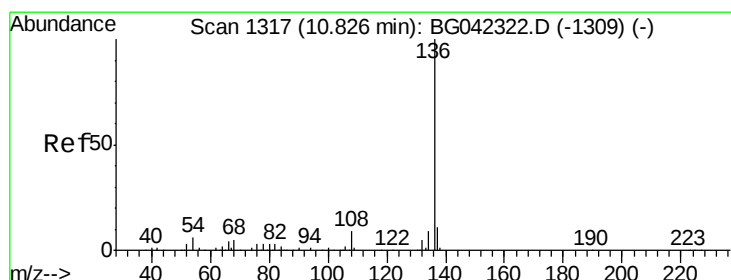
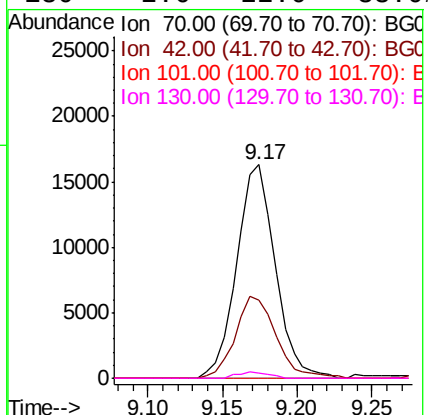
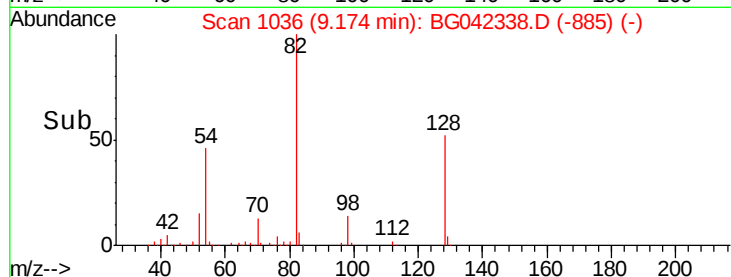
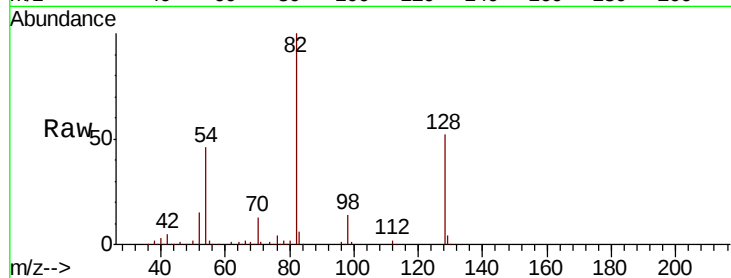
Ion Ratio Lower Upper

70 100

42 36.4 40.5 60.7#

101 0.0 9.3 13.9#

130 2.6 22.0 33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Tgt Ion: 136 Resp: 230628

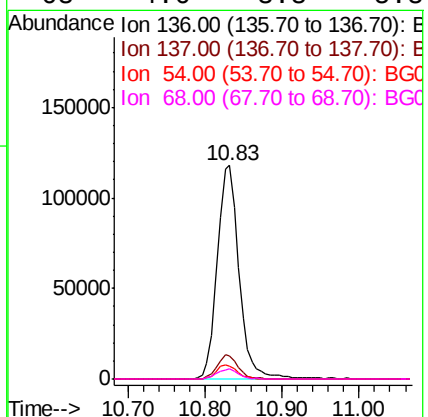
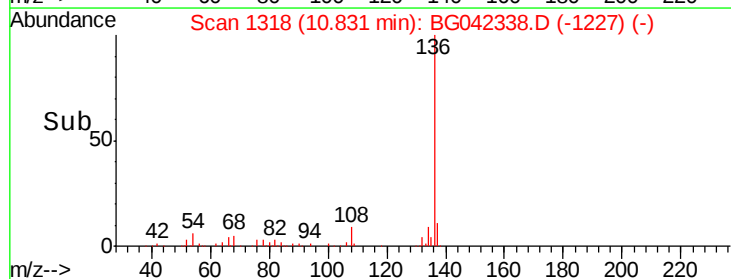
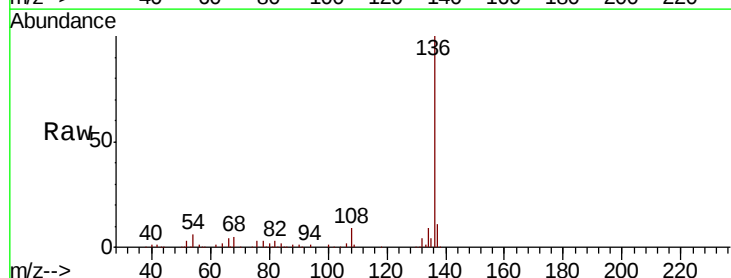
Ion Ratio Lower Upper

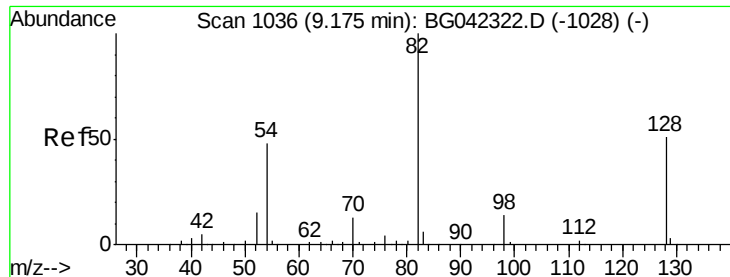
136 100

137 10.6 8.4 12.6

54 6.3 5.0 7.4

68 4.6 3.8 5.8

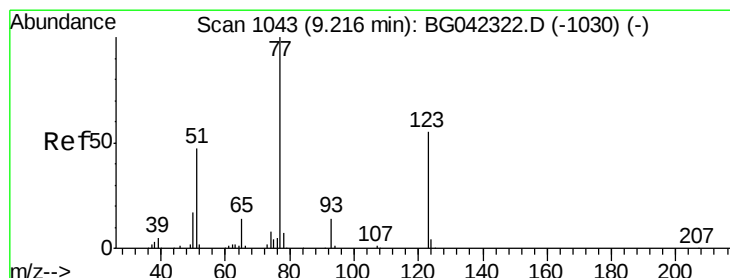
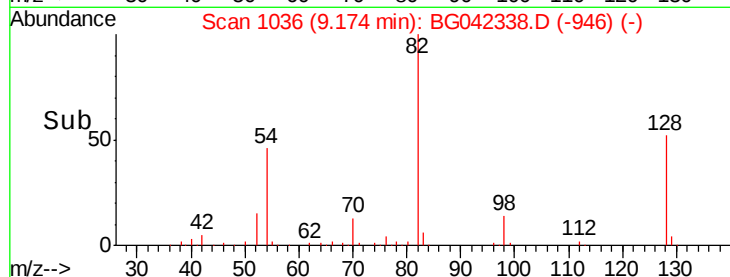
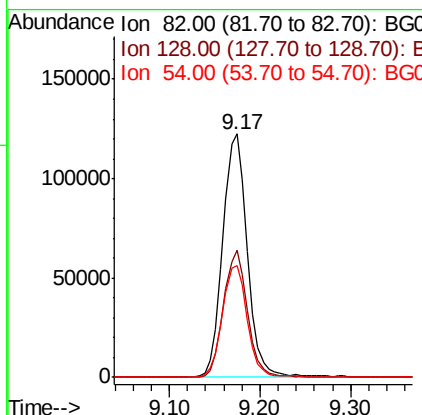
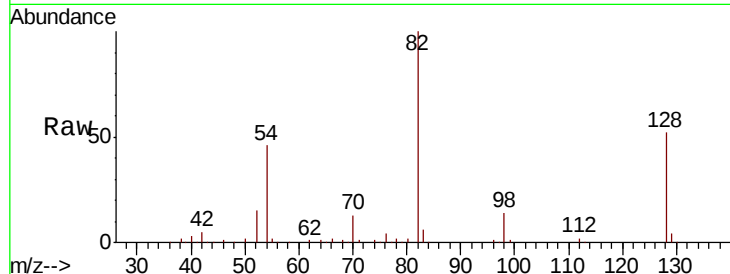




#23
 Nitrobenzene-d5
 Concen: 70.515 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

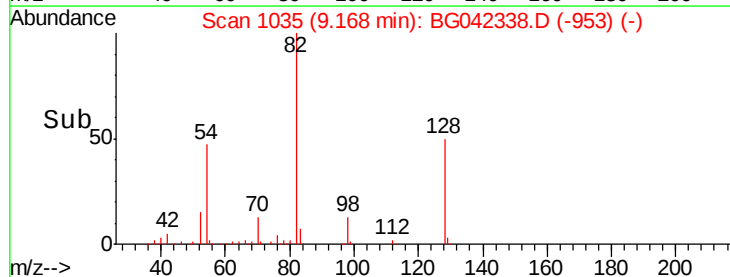
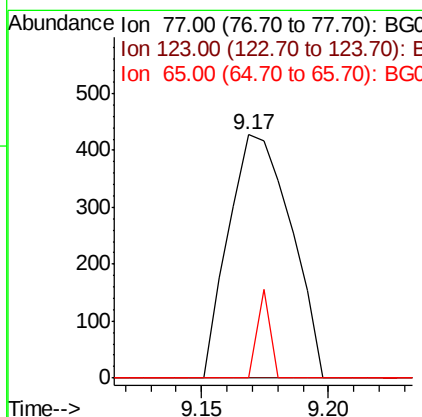
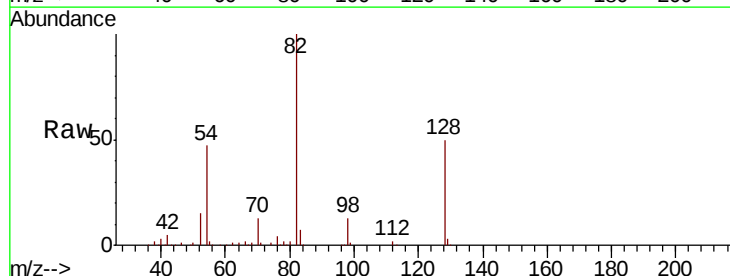
Instrument :
 BNA_G
 ClientSampleId :

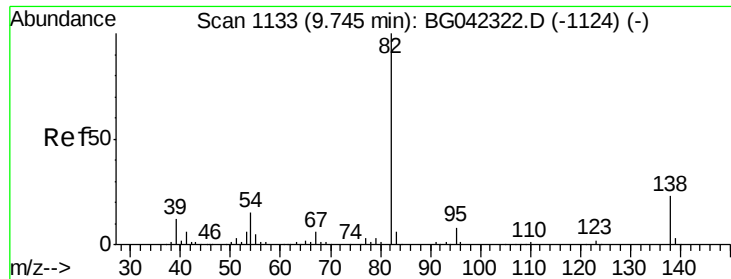
Tot Ion	82	Resp	231224
Ion Ratio	Lower	Upper	
82	100		
128	52.2	41.0	61.4
54	45.9	38.0	57.0



#24
 Nitrobenzene
 Concen: 0.219 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.05 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Tgt Ion	77	Resp	732
Ion Ratio	Lower	Upper	
77	100		
123	0.0	43.7	65.5#
65	0.0	10.9	16.3#

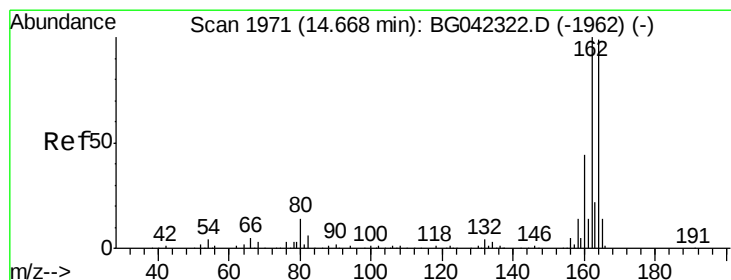
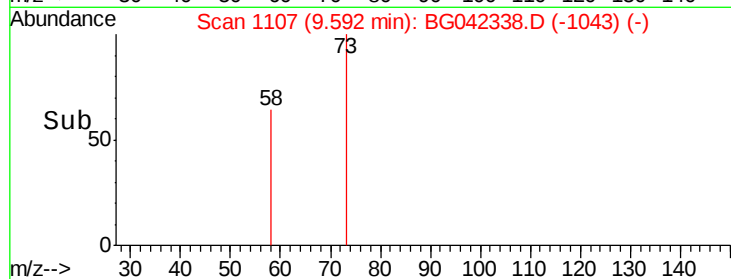
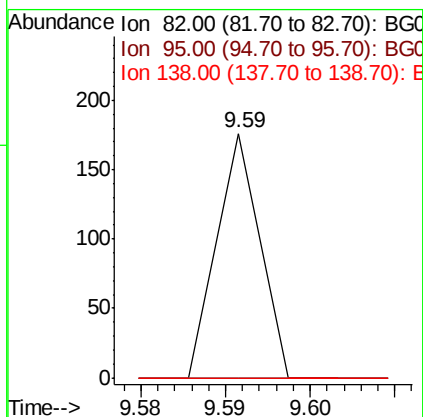
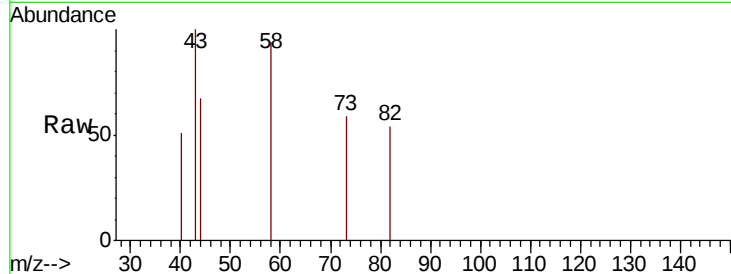




#25
Isophorone
Concen: 0.009 ng
RT: 9.59 min Scan# 1107
Delta R.T. -0.15 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

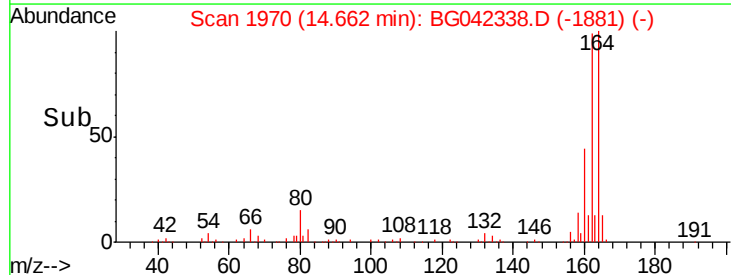
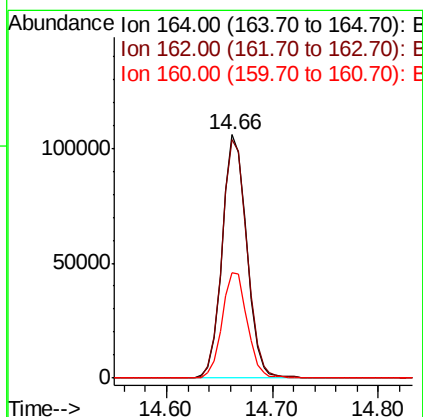
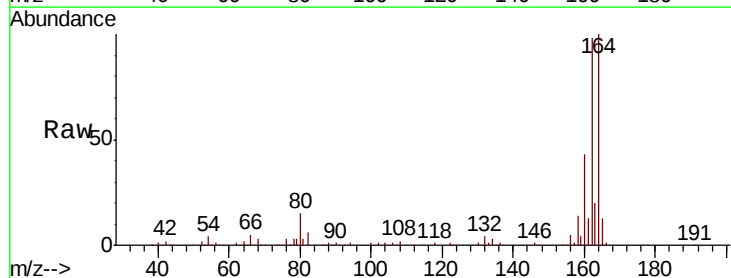
Instrument :
BNA_G
ClientSampleId :

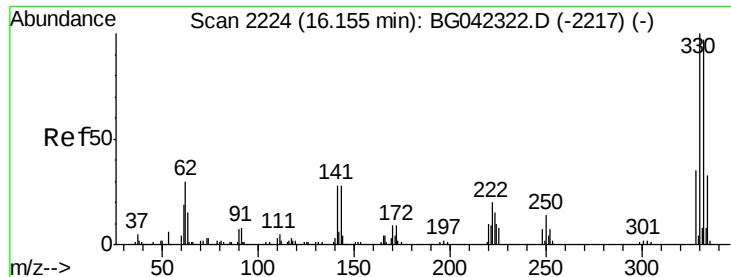
Tot Ion: 82 Resp: 62
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 18.2 27.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion:164 Resp: 170140
Ion Ratio Lower Upper
164 100
162 97.9 80.6 120.8
160 43.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 91.340 ng

RT: 16.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampleId :

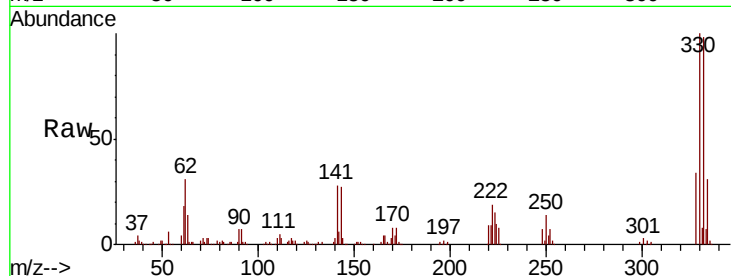
Tot Ion:330 Resp: 211660

Ion Ratio Lower Upper

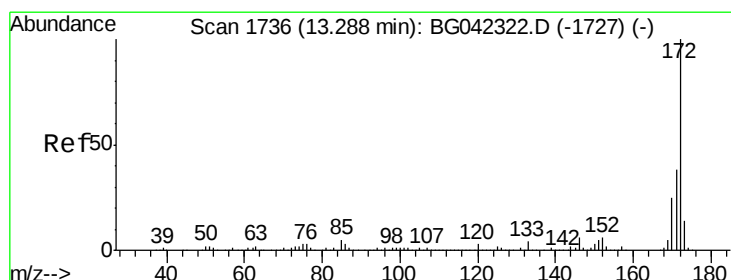
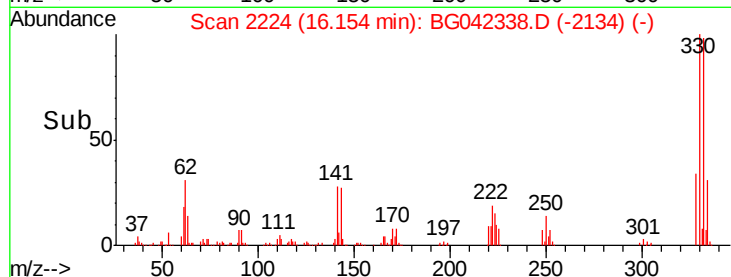
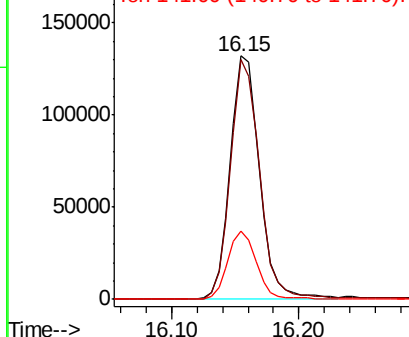
330 100

332 97.4 76.9 115.3

141 28.0 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: 69.784 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

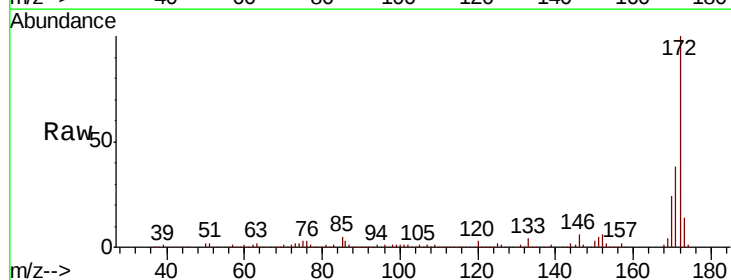
Tgt Ion:172 Resp: 701650

Ion Ratio Lower Upper

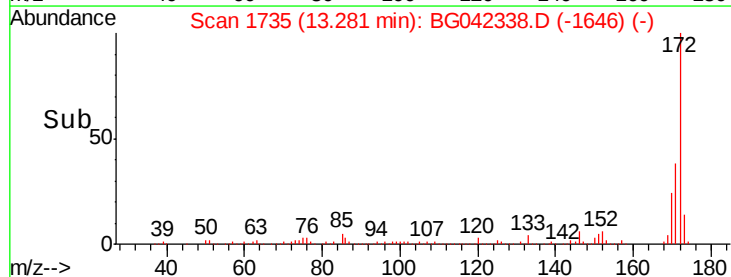
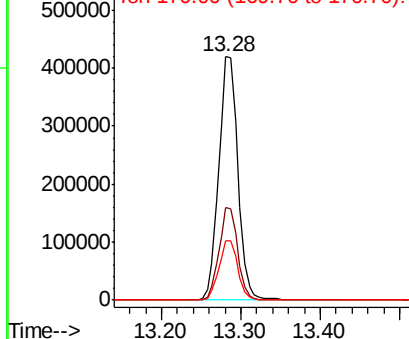
172 100

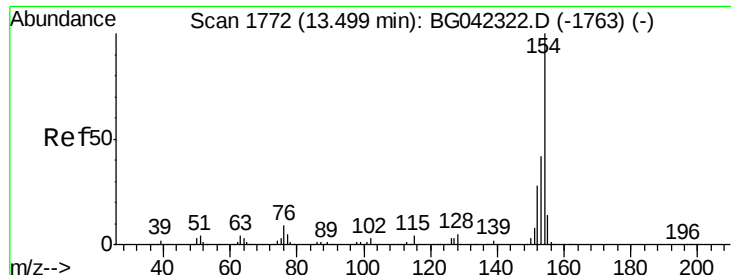
171 38.0 30.3 45.5

170 24.4 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

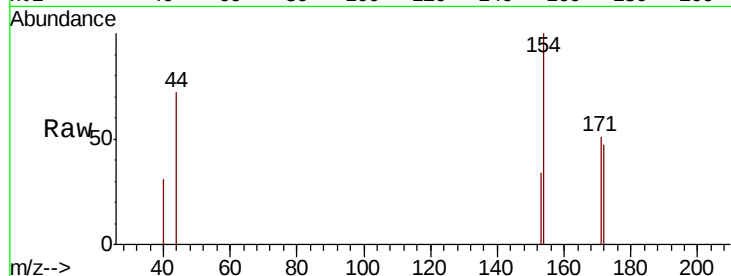




#46
 1,1'-Biphenyl
 Concen: 0.080 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	34.2	21.9	61.9
76	0.0	0.0	29.3

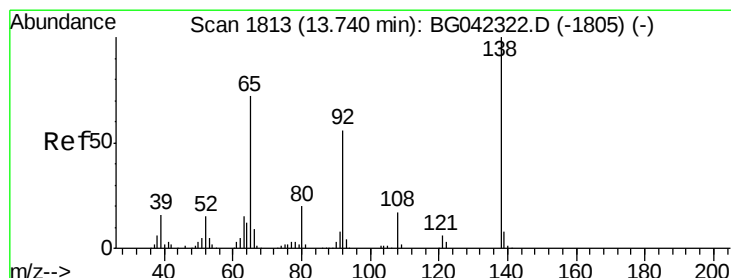
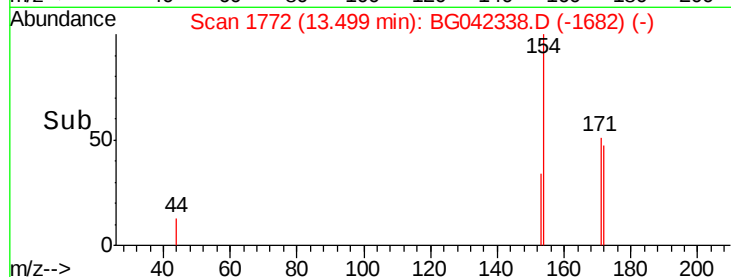
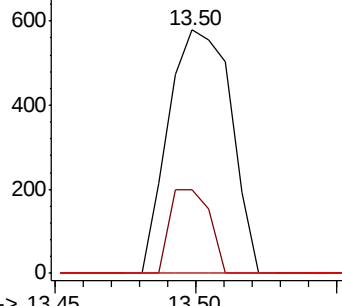


Abundance

Ion 154.00 (153.70 to 154.70): E

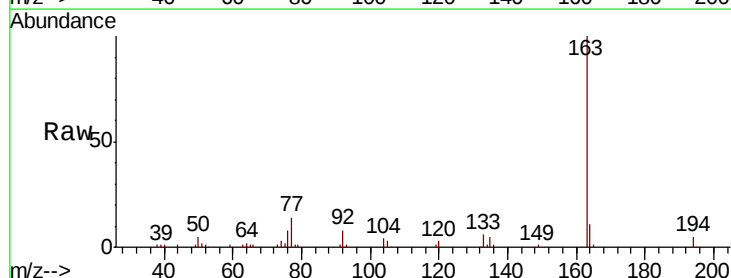
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#48
 2-Nitroaniline
 Concen: 0.326 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. 0.36 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	664.0	62.6	94.0#
138	0.0	111.5	167.3#

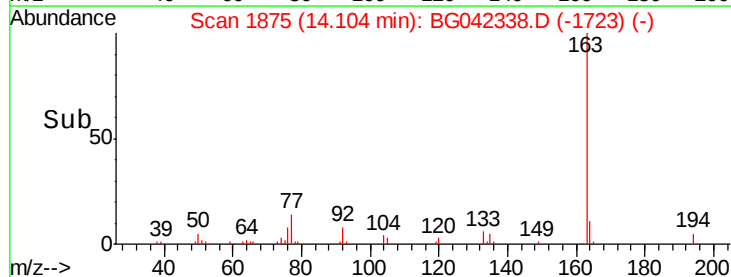
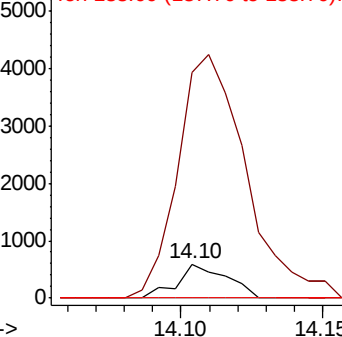


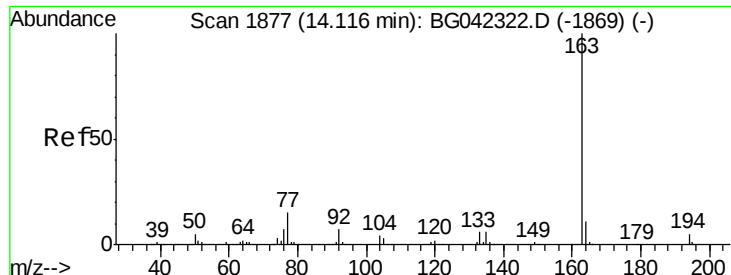
Abundance

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 9.009 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampled :

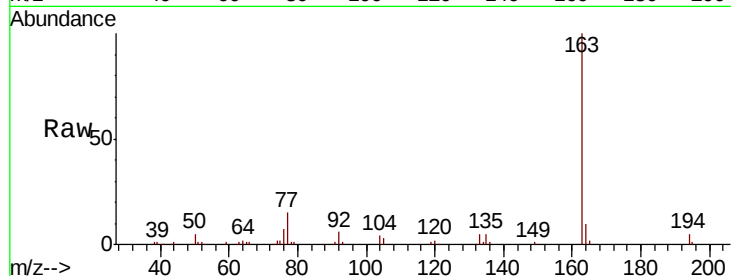
Tot Ion:163 Resp: 108916

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

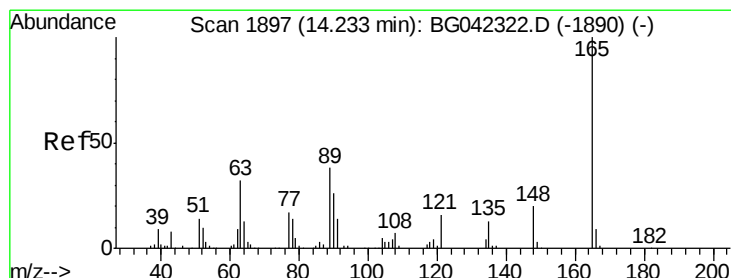
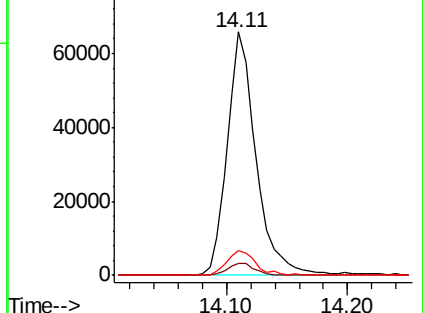
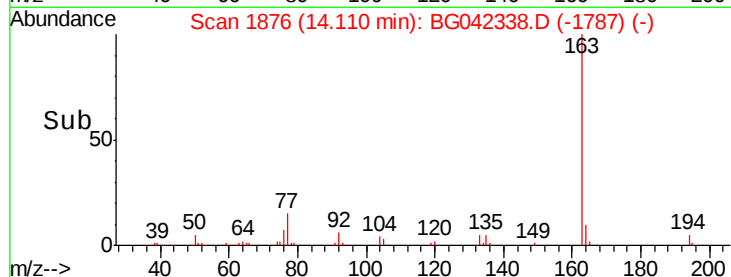
164 10.2 8.8 13.2



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: 0.400 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

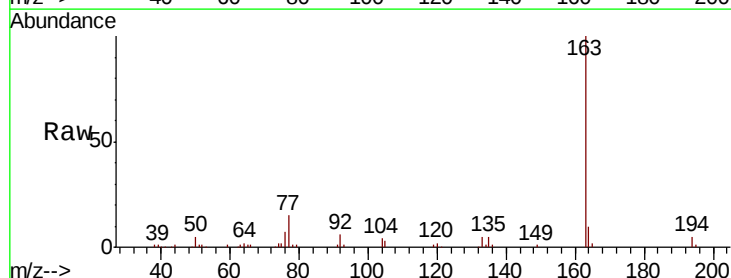
Tgt Ion:165 Resp: 1133

Ion Ratio Lower Upper

165 100

63 67.9 28.2 42.2#

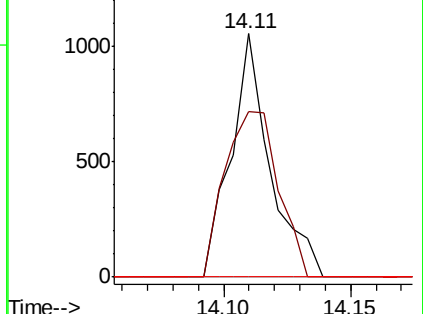
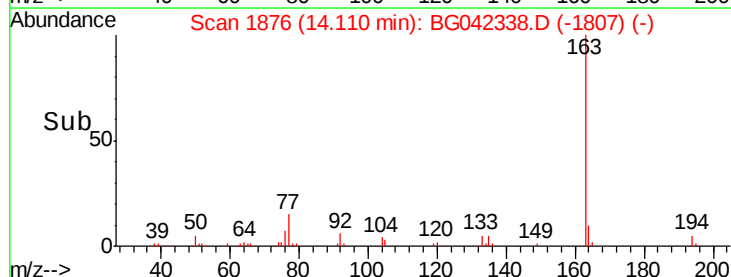
89 0.0 30.0 45.0#

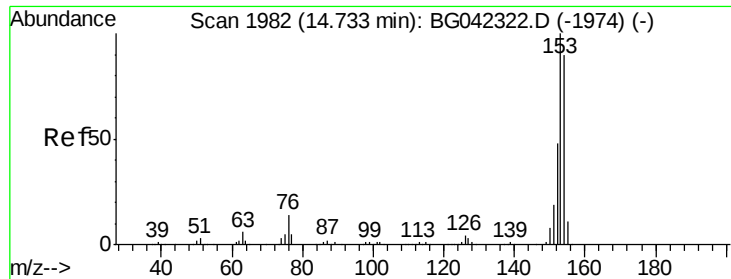


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.056 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.07 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampled :

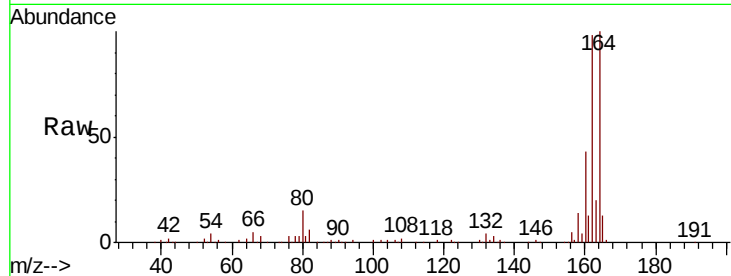
Tot Ion:154 Resp: 490

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

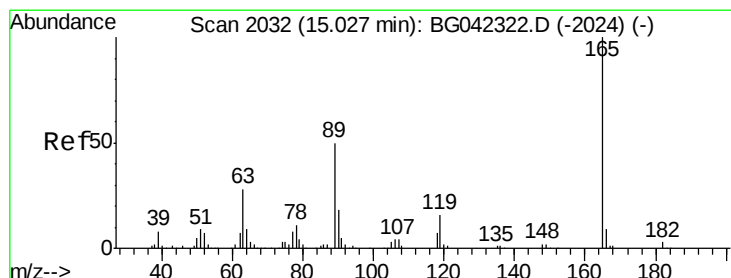
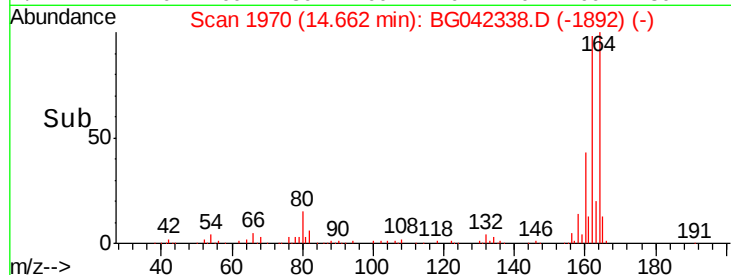
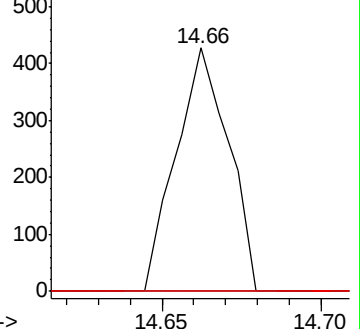
152 0.0 43.1 64.7#



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: 5.478 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Tgt Ion:165 Resp: 21671

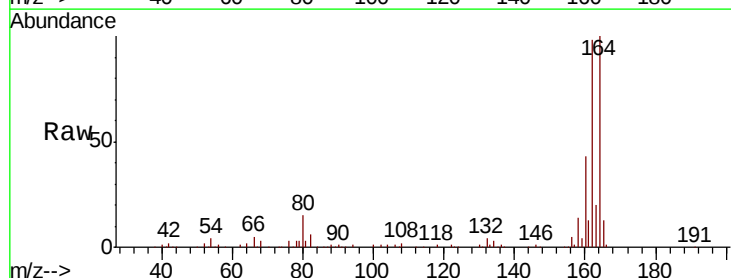
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 1.4 40.2 60.2#

182 0.0 2.6 3.8#

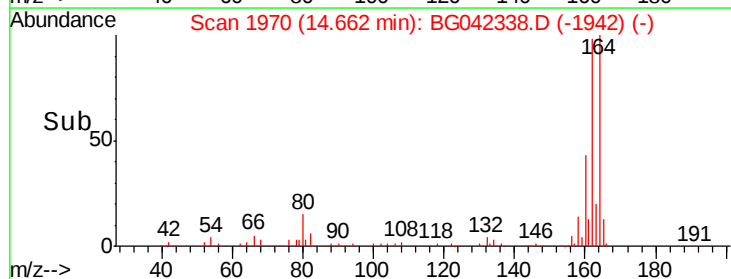
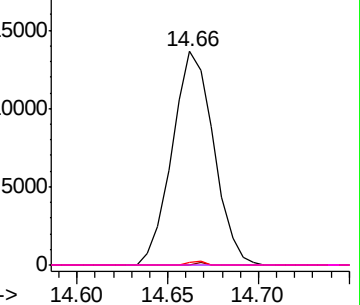


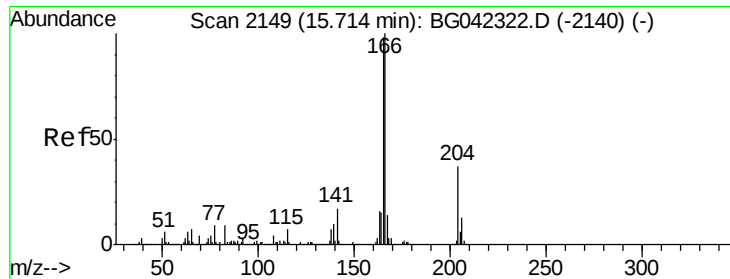
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.692 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampleId :

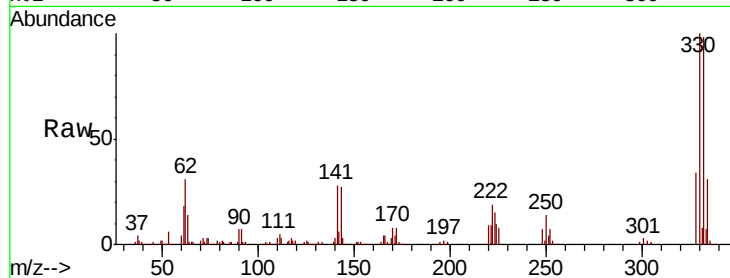
Tot Ion:166 Resp: 7953

Ion Ratio Lower Upper

166 100

165 105.2 78.7 118.1

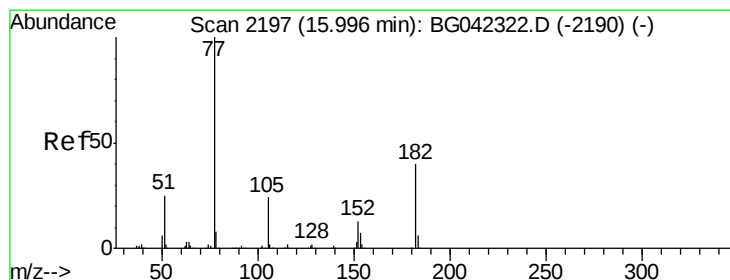
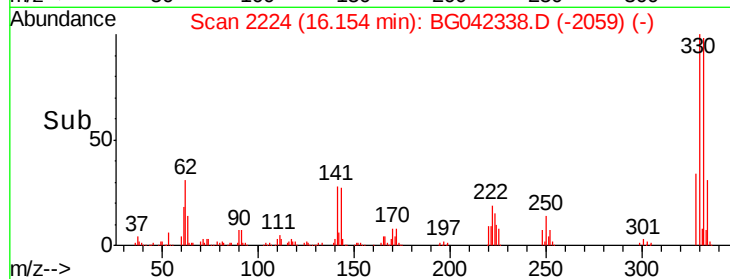
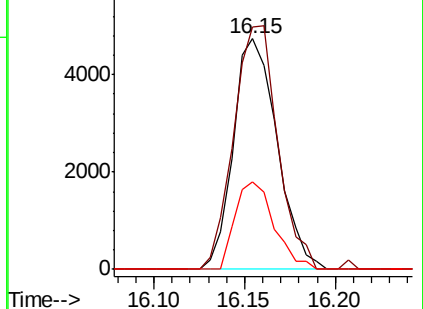
167 38.1 11.1 16.7#



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



#63

Azobenzene

Concen: 0.066 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.16 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Tgt Ion: 77 Resp: 539

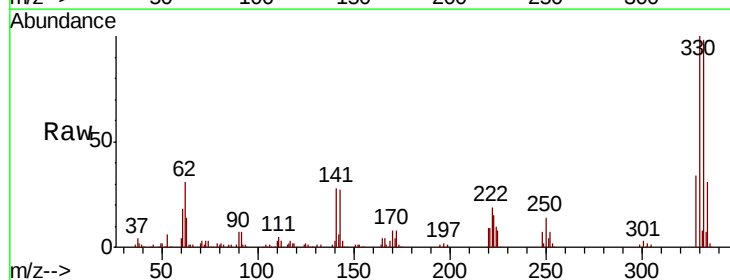
Ion Ratio Lower Upper

77 100

182 0.0 19.7 59.7#

105 105.2 3.5 43.5#

51 78.9 5.4 45.4#

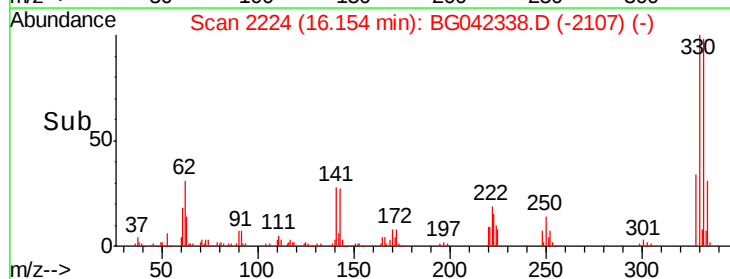
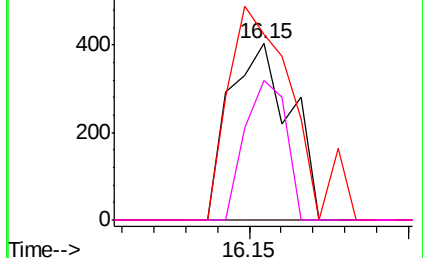


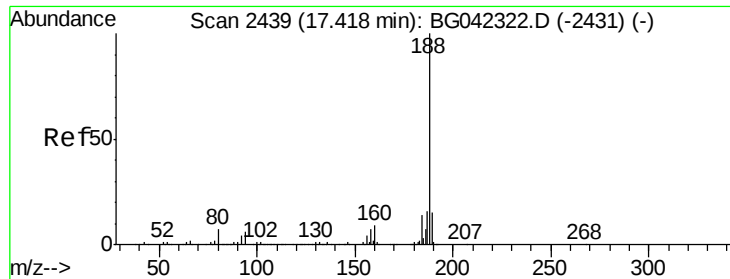
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampleId :

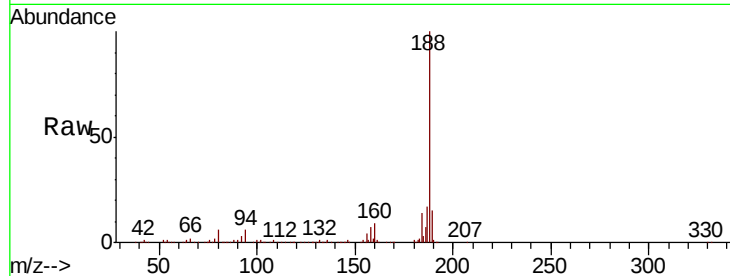
Tot Ion:188 Resp: 384544

Ion Ratio Lower Upper

188 100

94 6.1 4.9 7.3

80 6.2 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

300000

200000

100000

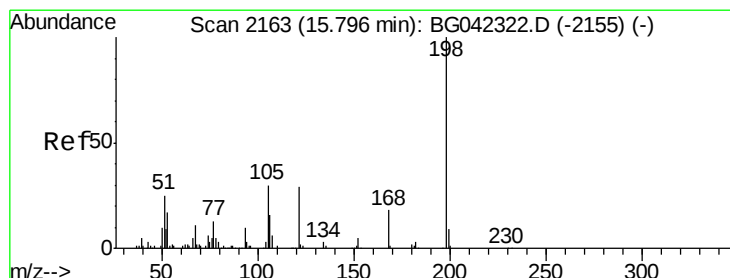
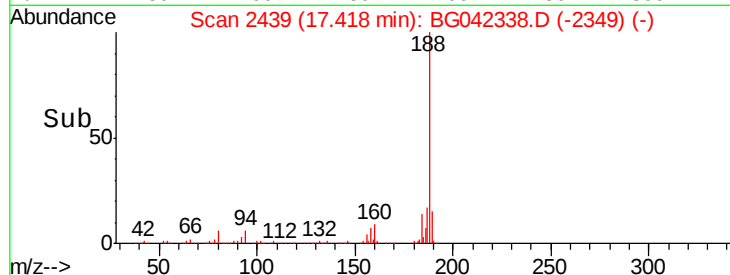
0

17.42

17.40

17.50

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 0.171 ng

RT: 16.15 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

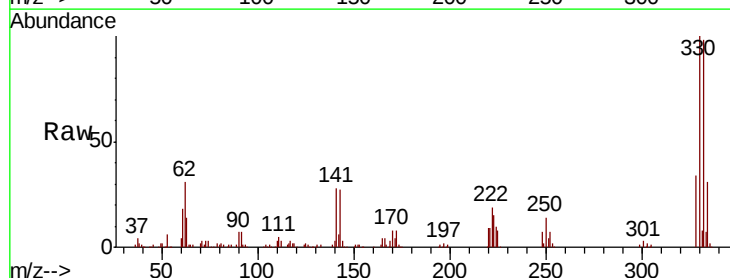
Tgt Ion:198 Resp: 402

Ion Ratio Lower Upper

198 100

51 92.4 6.4 46.4#

105 123.3 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

600

400

200

0

16.15

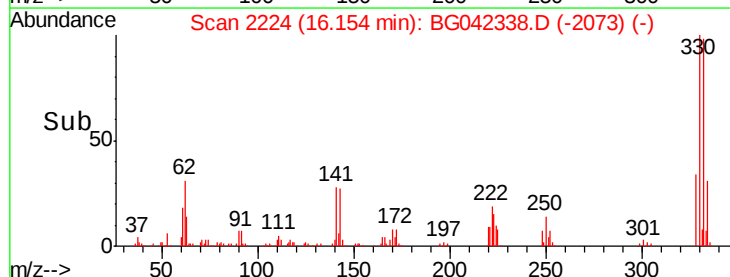
16.12

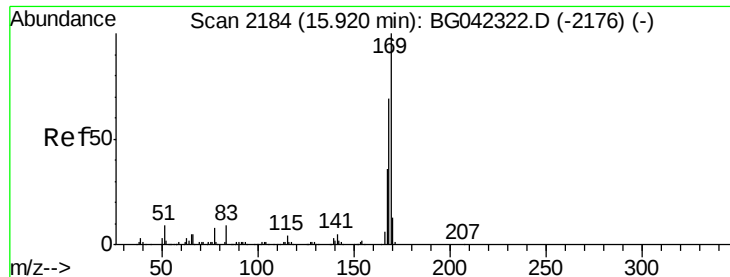
16.14

16.16

16.18

Time-->

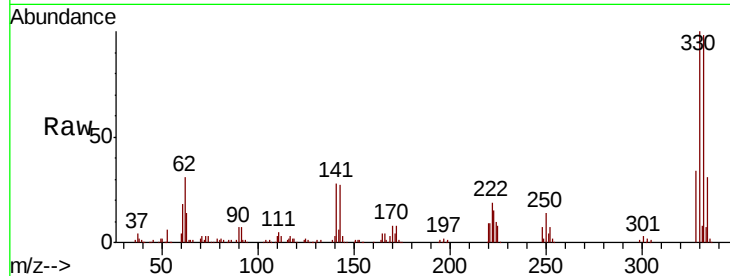




#66
 n-Nitrosodiphenylamine
 Concen: 0.562 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.23 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
169	100		
168	10.6	55.5	83.3#
167	46.4	28.9	43.3#

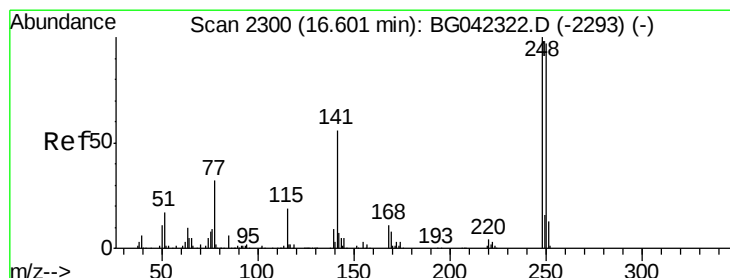
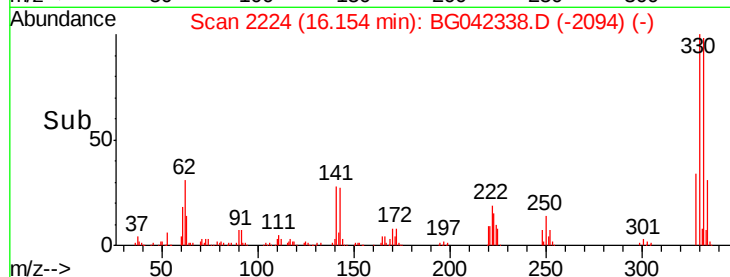
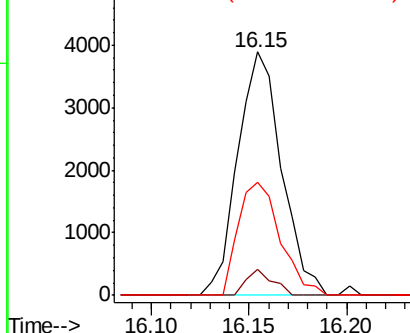


Abundance

Ion 169.00 (168.70 to 169.70): E

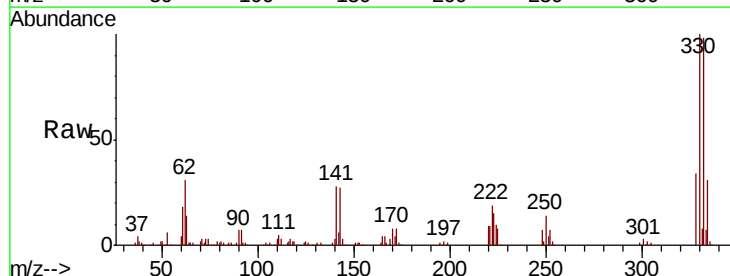
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67
 4-Bromophenyl-phenylether
 Concen: 3.056 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	185.7	78.0	117.0#
141	378.5	44.9	67.3#

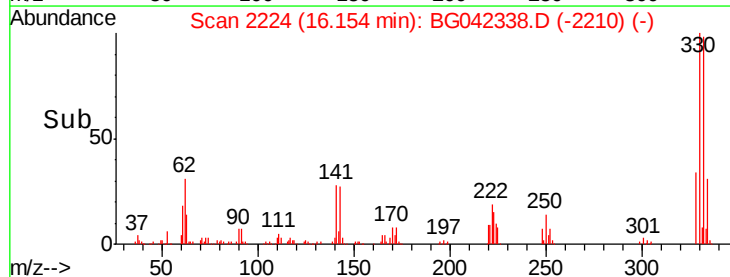
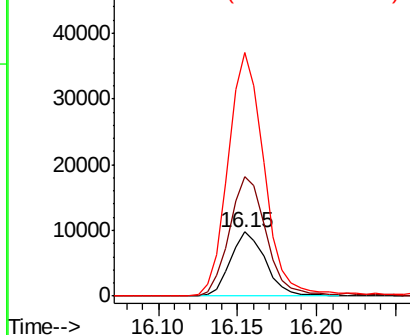


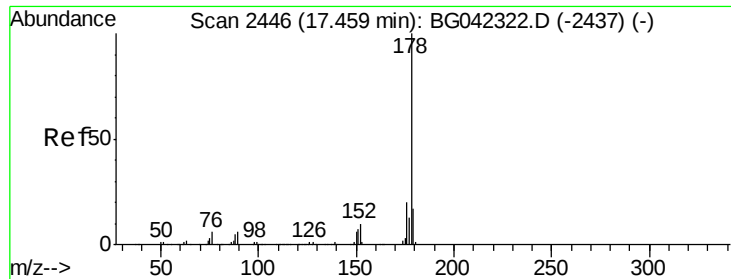
Abundance

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

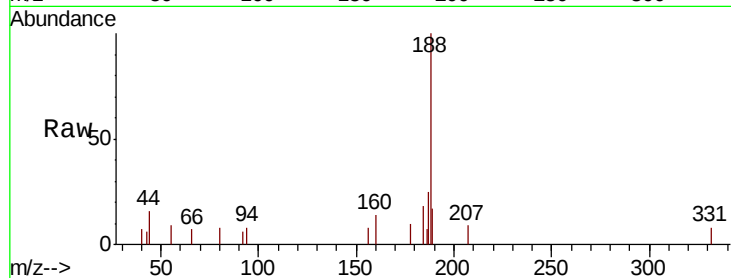




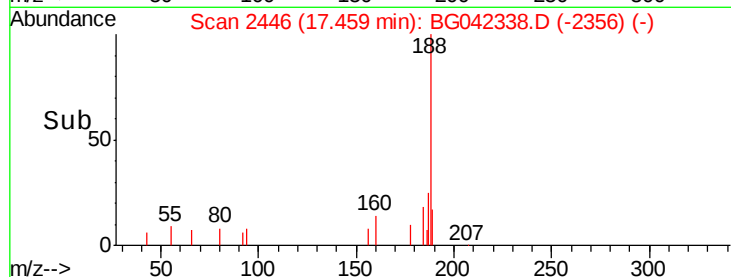
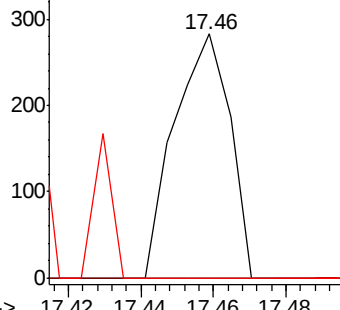
#71
Phenanthrene
Concen: 0.016 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 300
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 13.7 20.5#

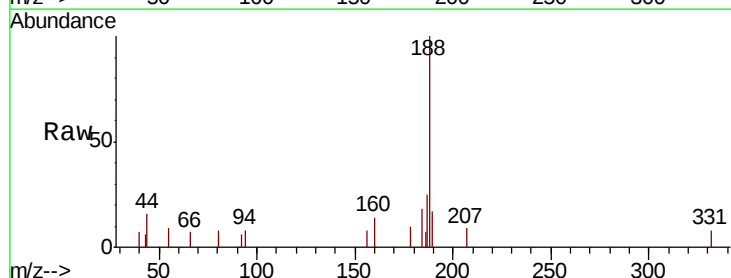
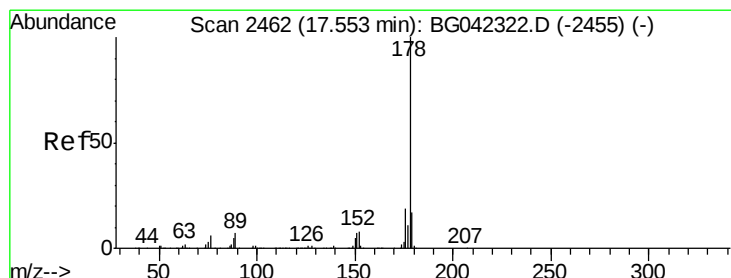


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

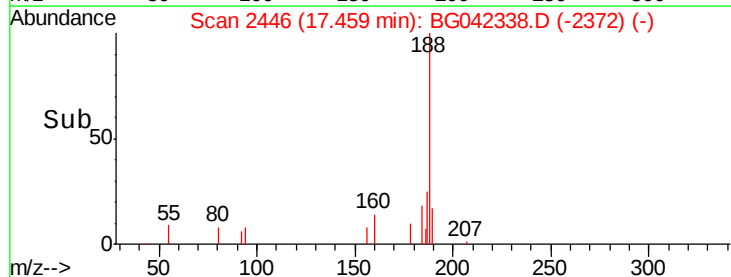
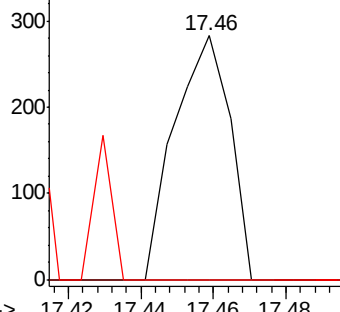


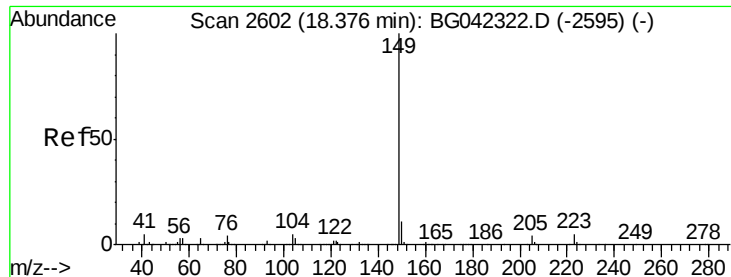
#72
Anthracene
Concen: 0.016 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.09 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion:178 Resp: 300
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





#74

Di-n-butylphthalate

Concen: 0.048 ng

RT: 18.38 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampled :

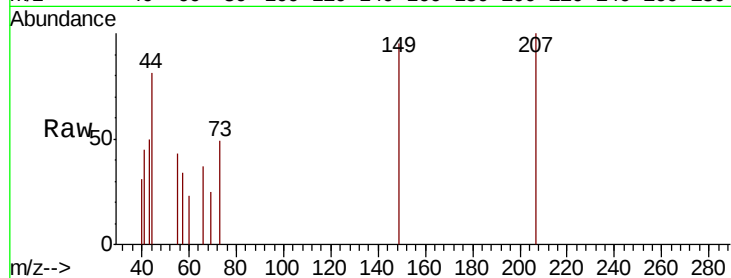
Tot Ion:149 Resp: 956

Ion Ratio Lower Upper

149 100

150 0.0 8.4 12.6#

104 0.0 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.38

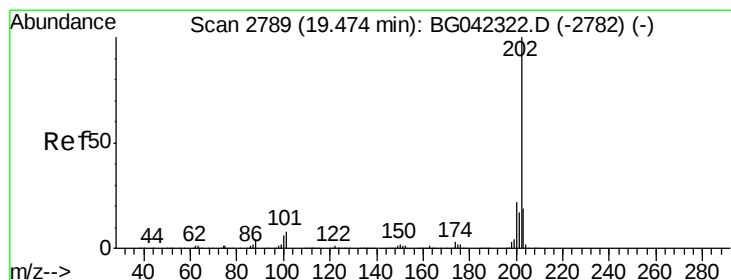
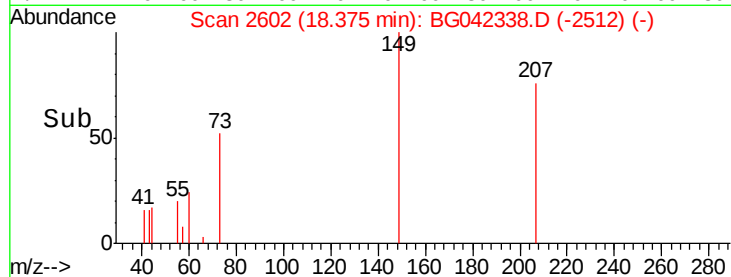
600

400

200

0

Time-->



#75

Fluoranthene

Concen: 0.043 ng

RT: 19.48 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

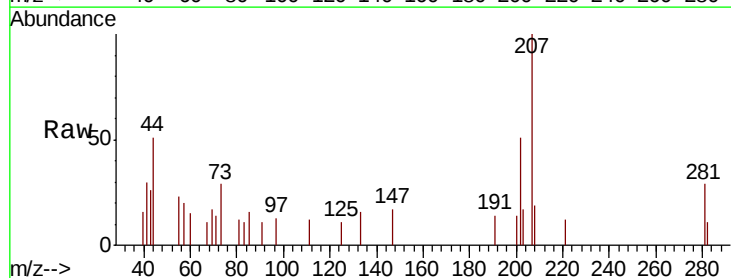
Tgt Ion:202 Resp: 993

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.0

203 33.8 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.48

1000

800

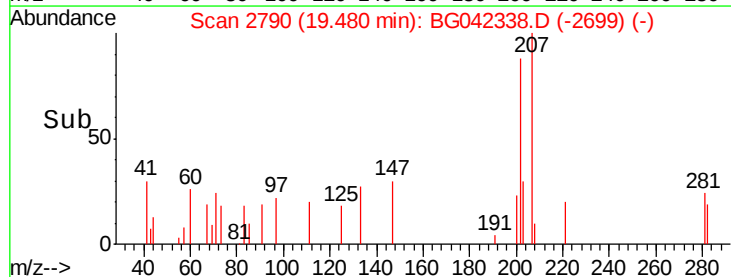
600

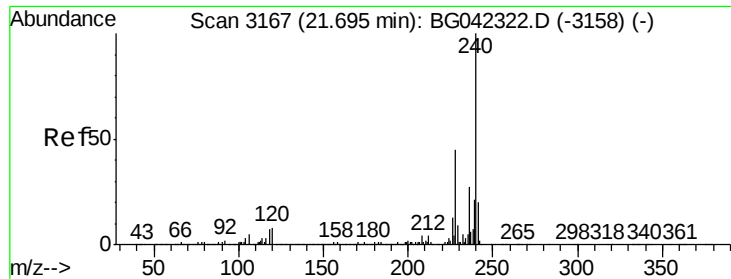
400

200

0

Time-->

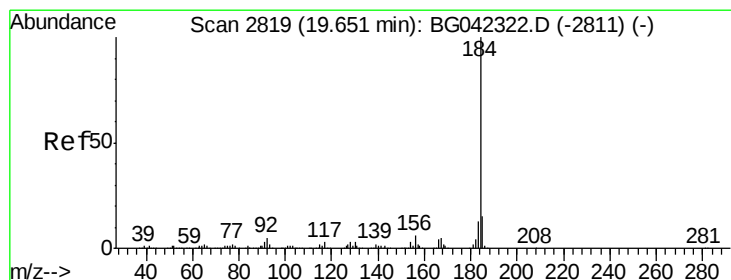
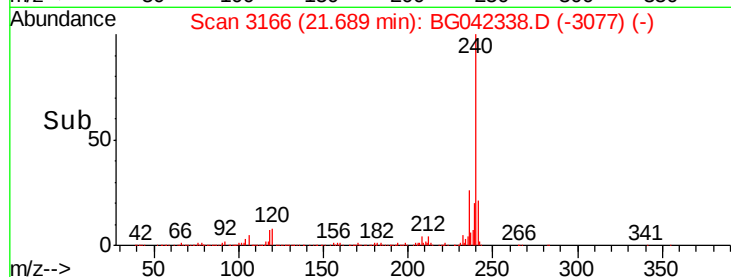
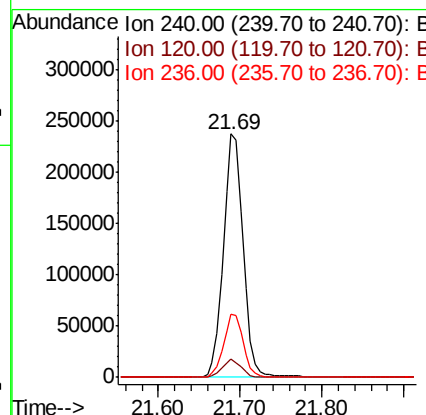
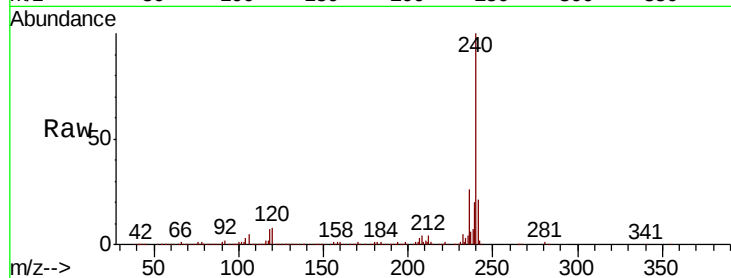




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

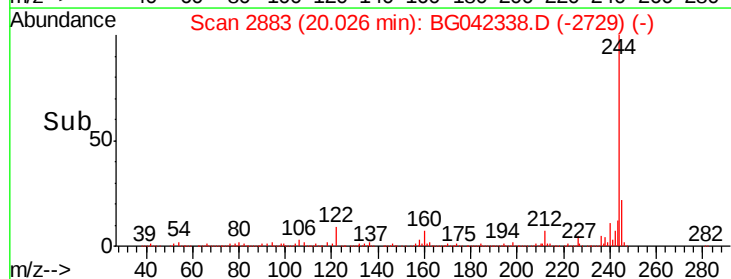
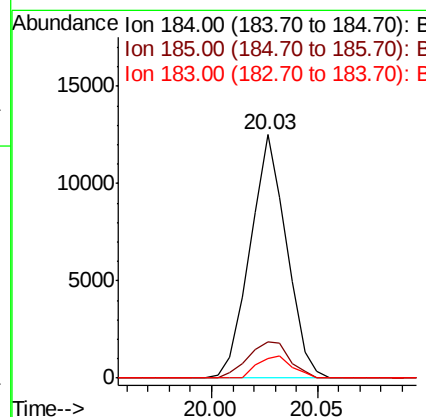
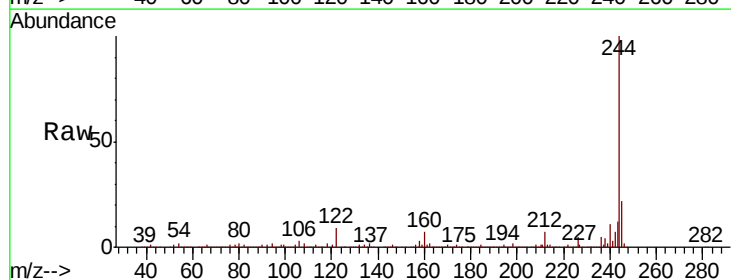
Instrument :
BNA_G
ClientSampleId :

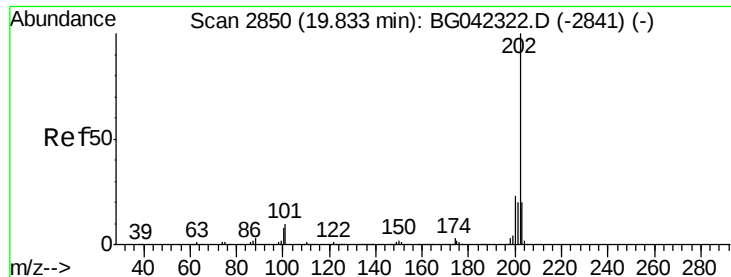
Tot Ion:240 Resp: 399761
Ion Ratio Lower Upper
240 100
120 7.6 6.0 9.0
236 25.9 21.6 32.4



#77
Benzidine
Concen: 1.405 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion:184 Resp: 14889
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.6
183 8.3 10.6 15.8#

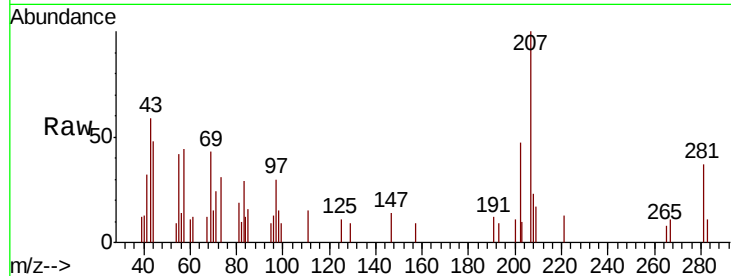




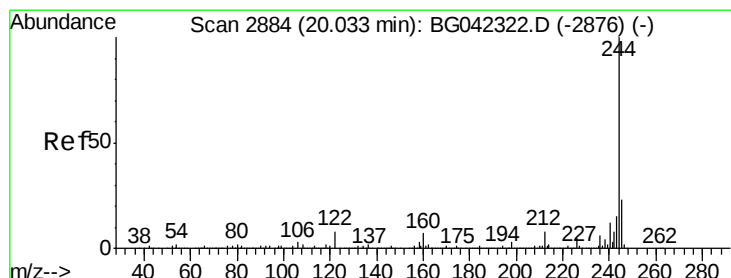
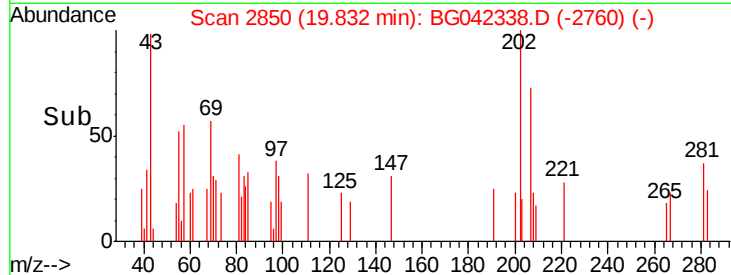
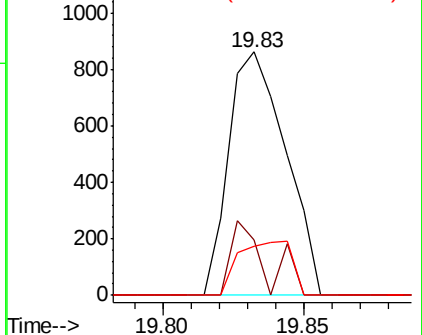
#78
Pvrene
Concen: 0.049 ng
RT: 19.83 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Instrument :
BNA_G
ClientSampled :

Tot Ion:202 Resp: 1208
Ion Ratio Lower Upper
202 100
200 22.6 18.1 27.1
203 20.3 15.8 23.8

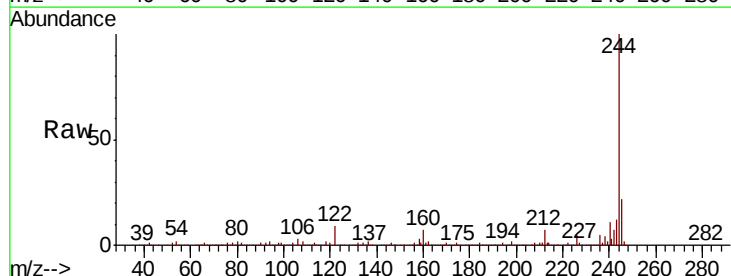


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

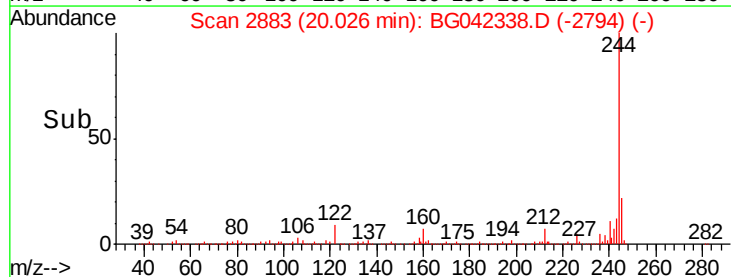
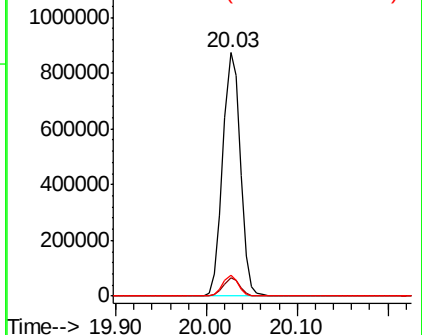


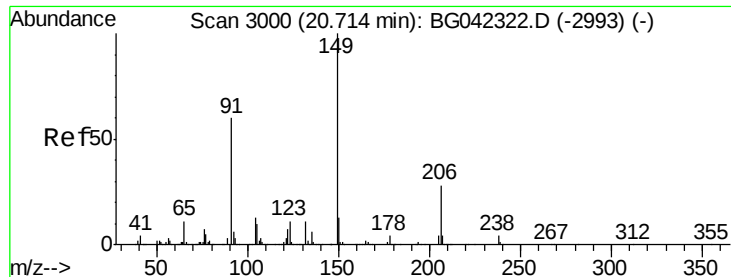
#79
Terphenyl-d14
Concen: 64.465 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion:244 Resp: 1176583
Ion Ratio Lower Upper
244 100
212 7.4 6.4 9.6
122 8.6 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

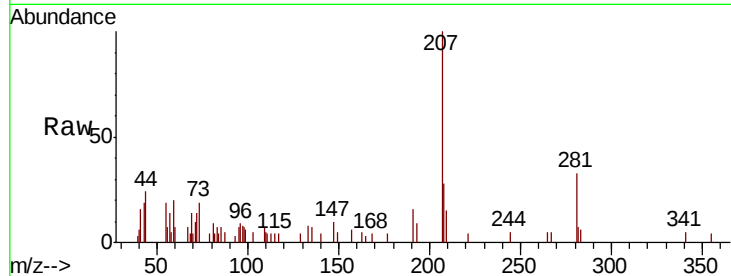




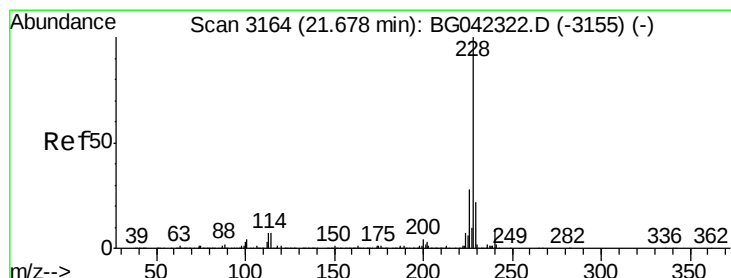
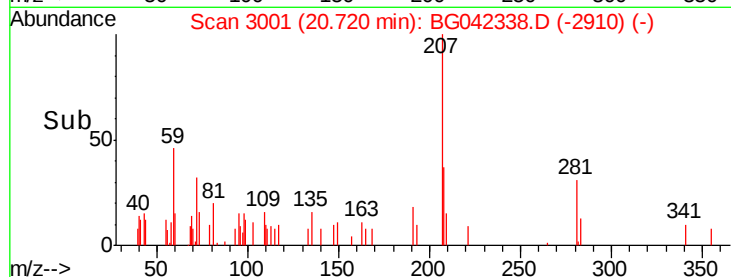
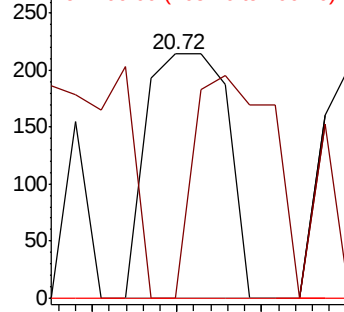
#80
Butylbenzylphthalate
Concen: 0.029 ng
RT: 20.72 min Scan# 3001
Delta R.T. 0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Instrument :
BNA_G
ClientSampled :

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

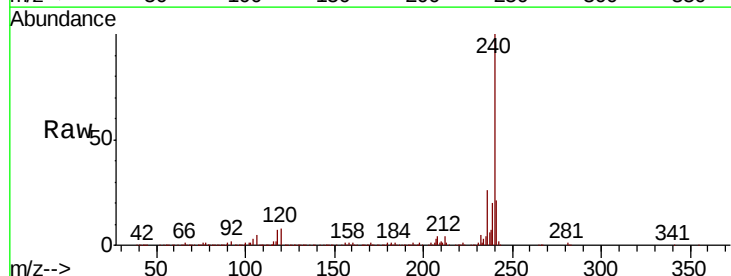


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG0
Ion 206.00 (205.70 to 206.70): E

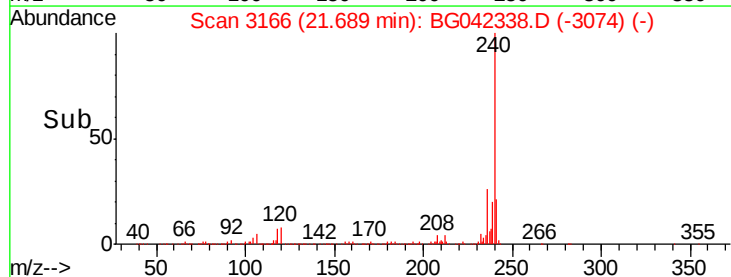
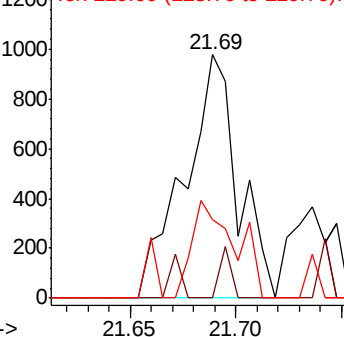


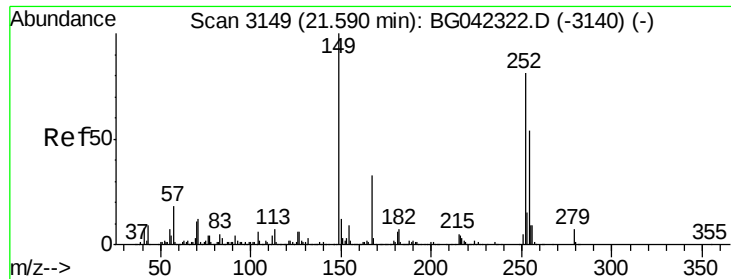
#81
Benzo(a)anthracene
Concen: 0.070 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	32.1	17.4	26.2#



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

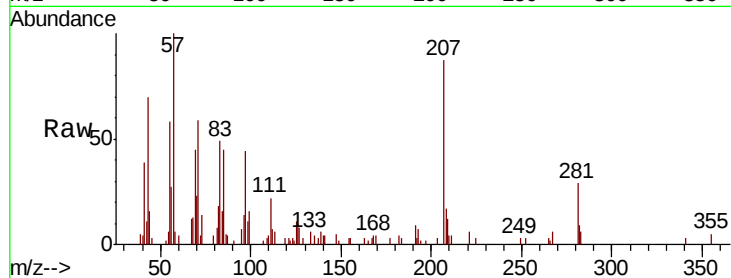




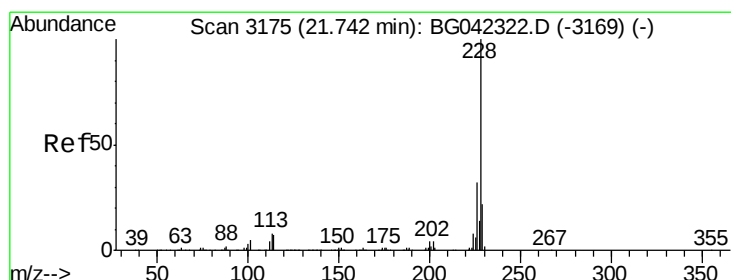
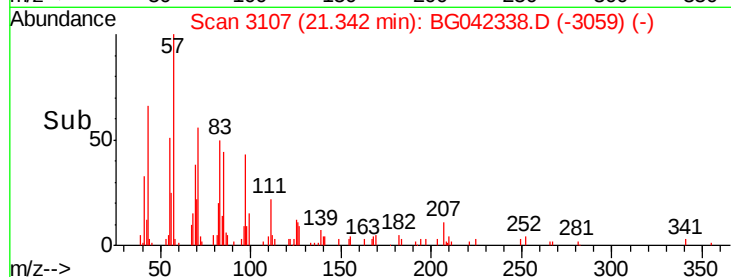
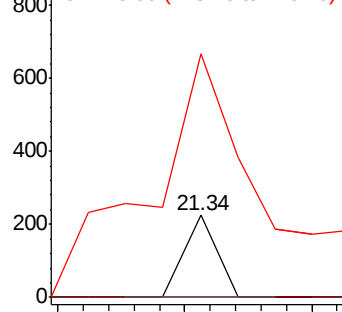
#82
 3,3'-Dichlorobenzidine
 Concen: 0.008 ng
 RT: 21.34 min Scan# 3107
 Delta R.T. -0.25 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:252 Resp: 79
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.0 79.6#
 126 296.4 6.2 9.2#

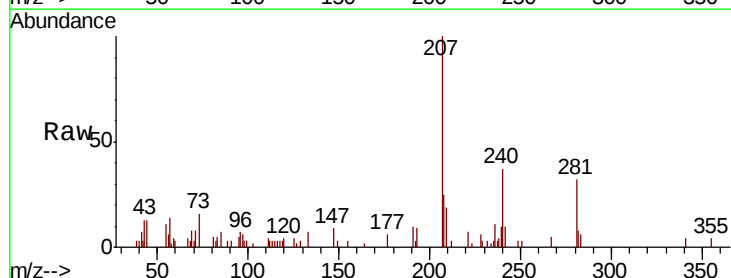


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

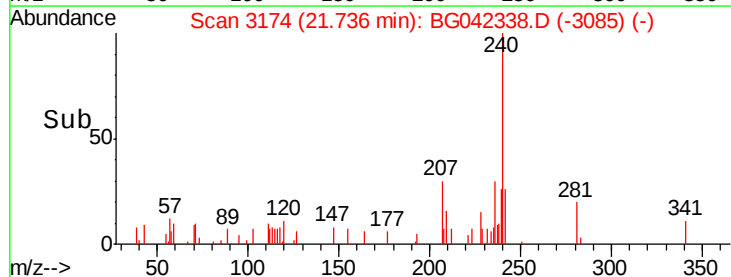
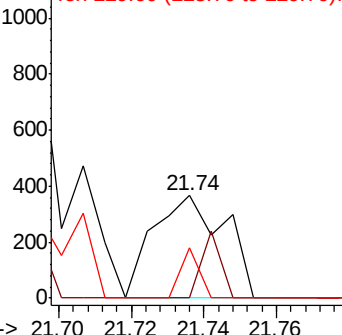


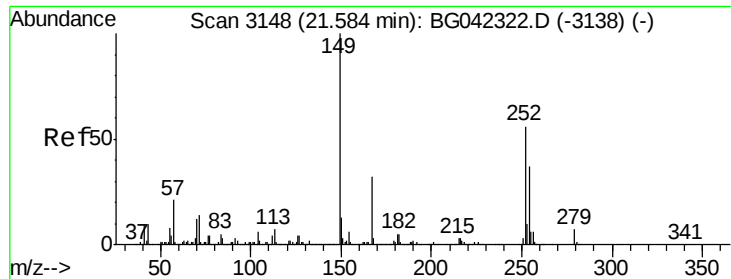
#83
 Chrysene
 Concen: 0.021 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.01 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Tgt Ion:228 Resp: 503
 Ion Ratio Lower Upper
 228 100
 226 0.0 25.6 38.4#
 229 48.9 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

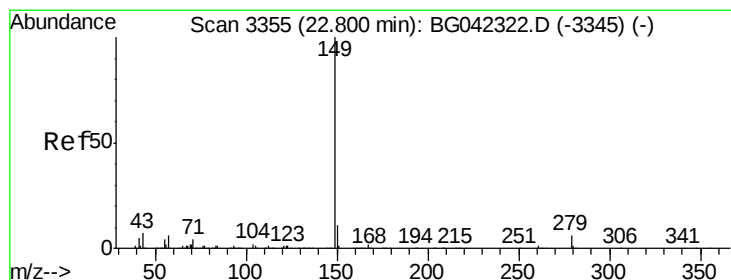
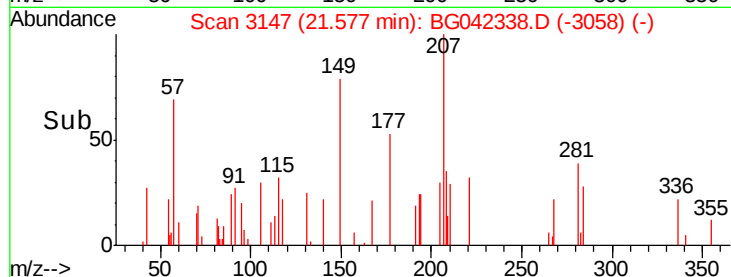
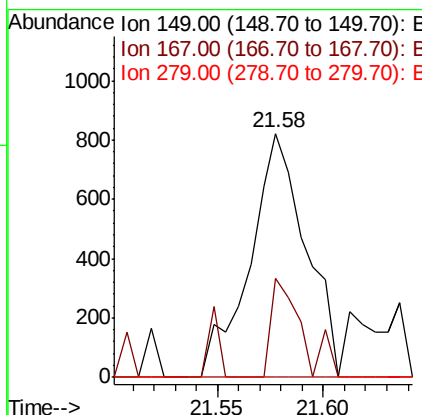
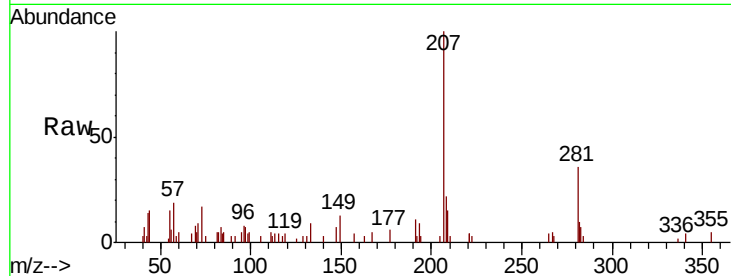




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.111 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. -0.01 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

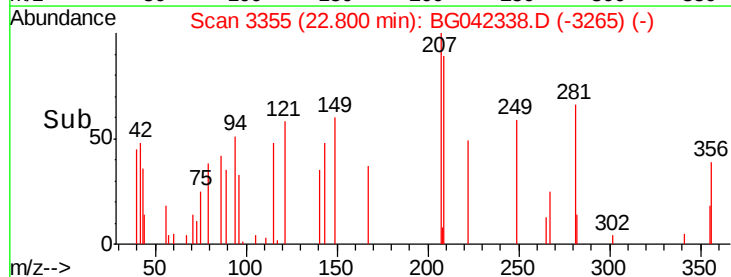
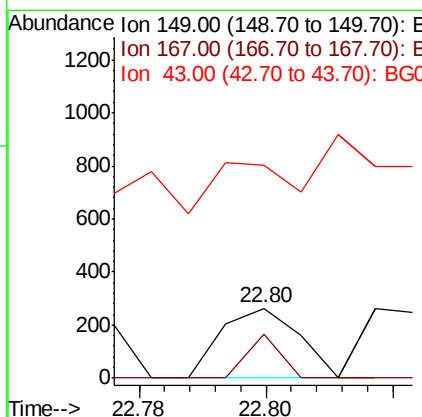
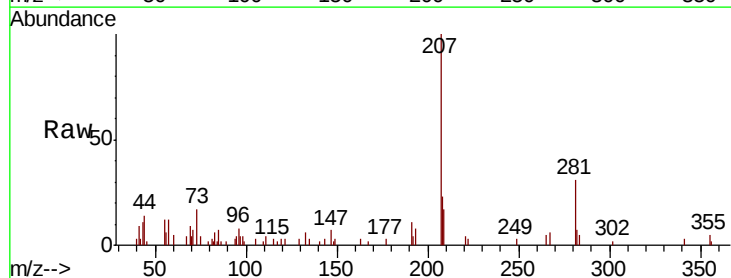
Instrument :
 BNA_G
 ClientSampleId :

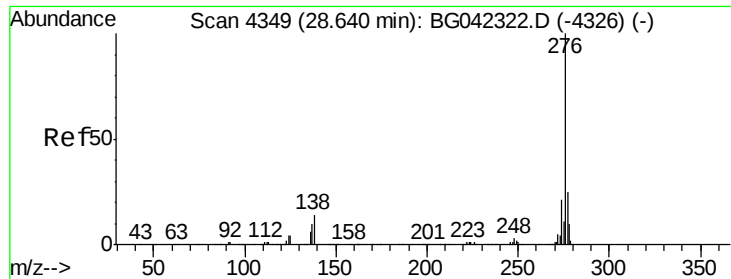
Tot Ion	Ratio	Lower	Upper
149	100		
167	40.4	25.4	38.0#
279	0.0	5.8	8.6#



#85
 Di-n-octyl phthalate
 Concen: 0.010 ng
 RT: 22.80 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.2	1.4	2.2#
43	0.0	5.4	8.2#

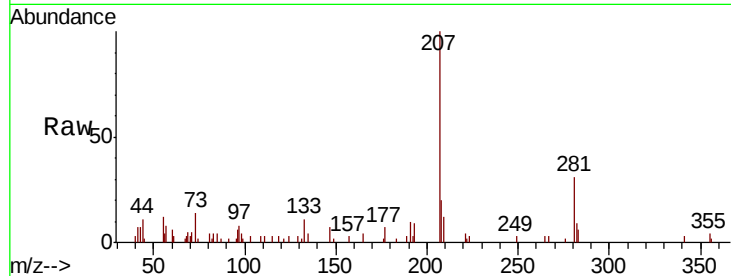




#86
Indeno(1,2,3-cd)pyrene
Concen: 0.002 ng
RT: 28.64 min Scan# 4349
Delta R.T. -0.00 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	14.5	21.7#
277	0.0	21.0	31.4#



Abundance

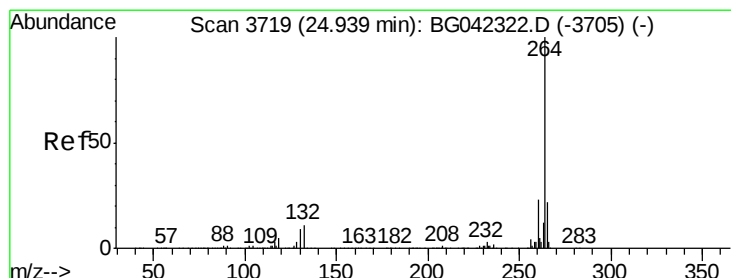
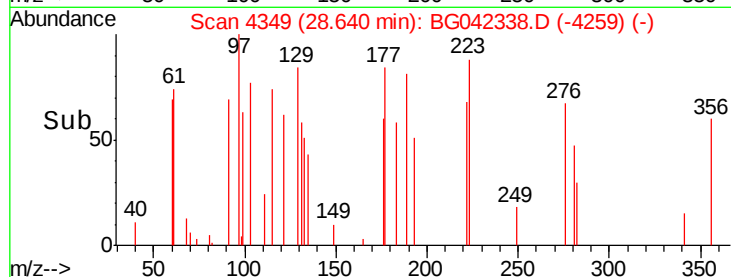
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

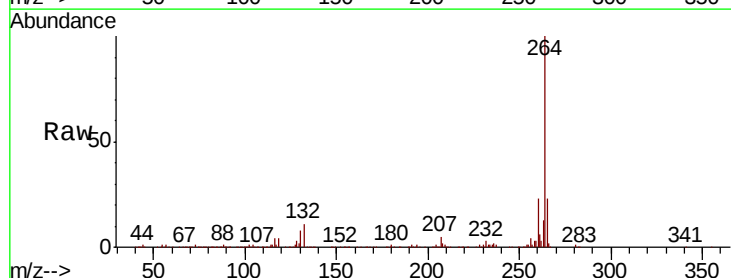
28.64

Time-->



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BG042338.D
Acq: 19 Aug 2019 22:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	22.8	17.4	26.0



Abundance

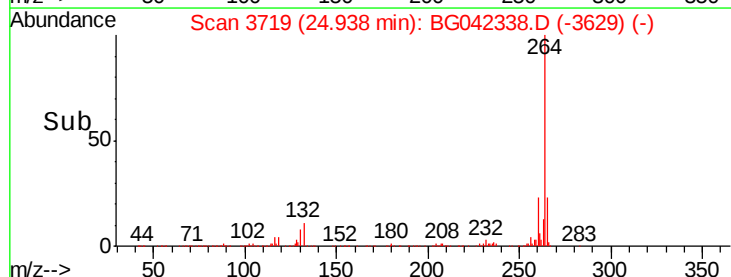
Ion 264.00 (263.70 to 264.70): E

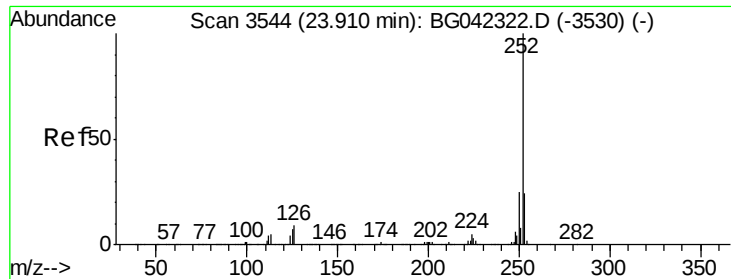
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

24.94

Time-->





#88

Benzo(b)fluoranthene

Concen: 0.016 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042338.D

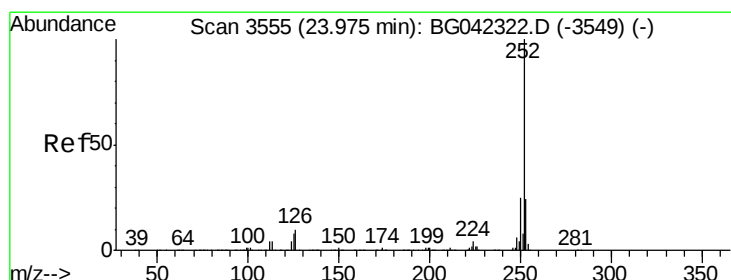
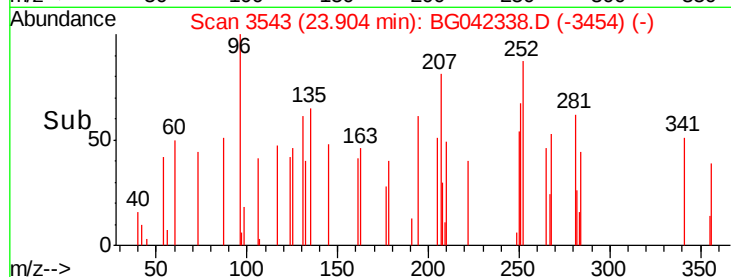
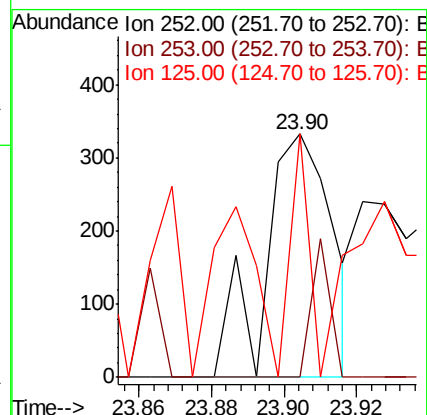
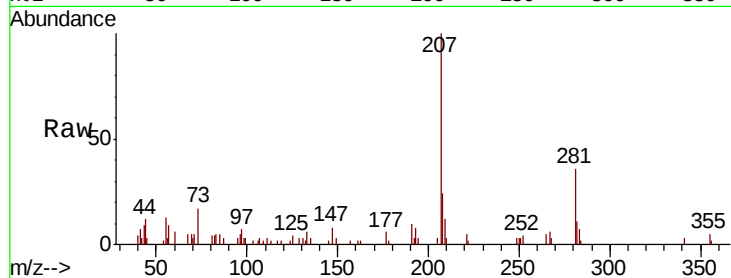
Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampled :

Tot Ion:	252	Resp:	431
Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.9	28.3#
125	100.0	5.8	8.6#



#89

Benzo(k)fluoranthene

Concen: 0.010 ng

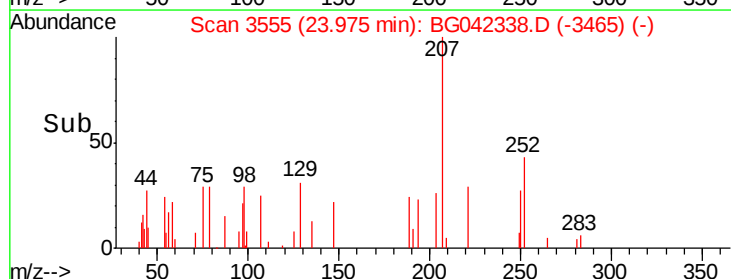
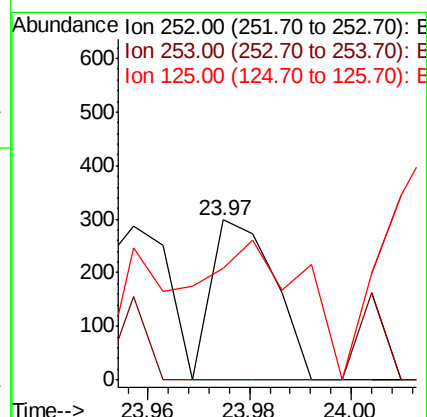
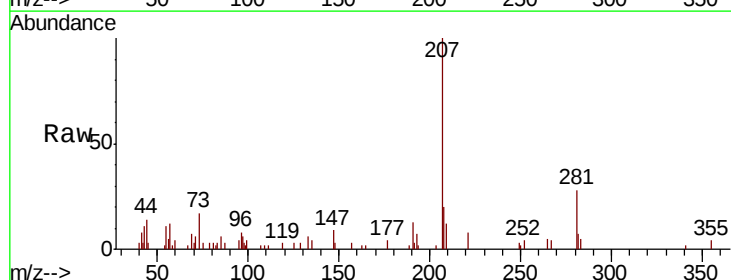
RT: 23.97 min Scan# 3555

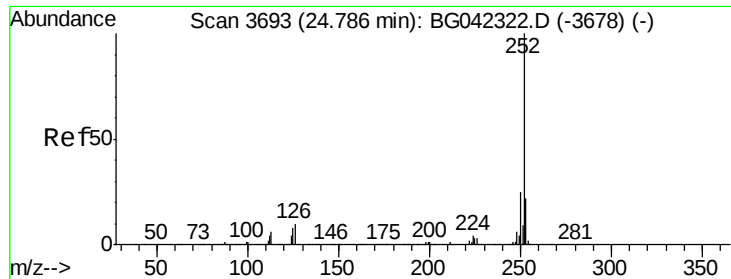
Delta R.T. -0.00 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Tgt Ion:	252	Resp:	259
Ion	Ratio	Lower	Upper
252	100		
253	0.0	19.0	28.4#
125	69.9	6.0	9.0#





#90

Benzo(a)pyrene

Concen: 0.024 ng

RT: 24.79 min Scan# 3693

Delta R.T. -0.00 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

Instrument :

BNA_G

ClientSampleId :

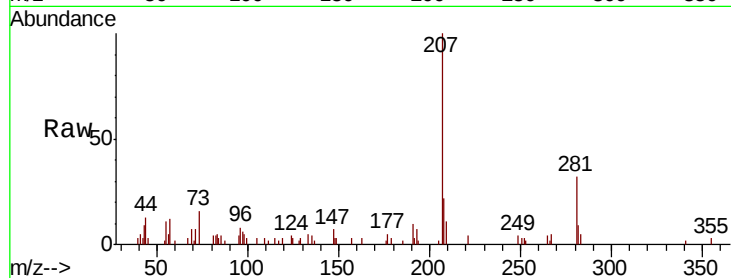
Tot Ion:252 Resp: 591

Ion Ratio Lower Upper

252 100

253 58.5 17.9 26.9#

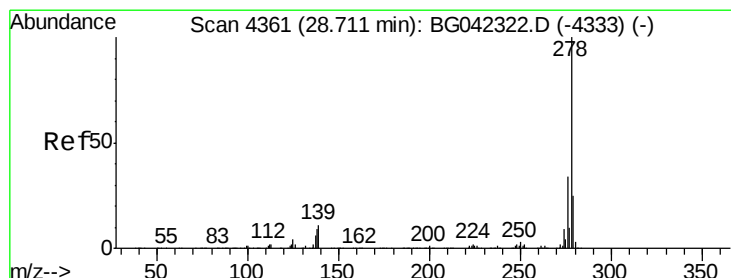
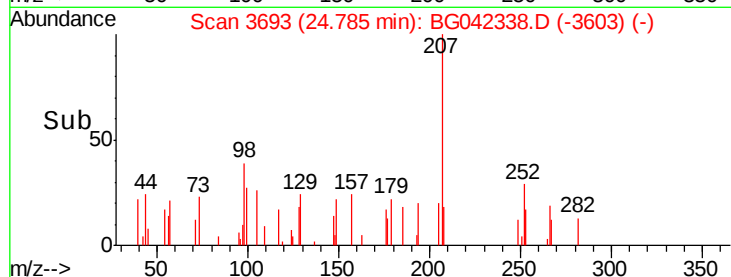
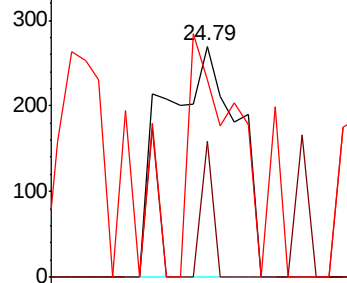
125 85.2 6.7 10.1#



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



#91

Dibenzo(a,h)anthracene

Concen: 0.003 ng

RT: 28.72 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BG042338.D

Acq: 19 Aug 2019 22:26

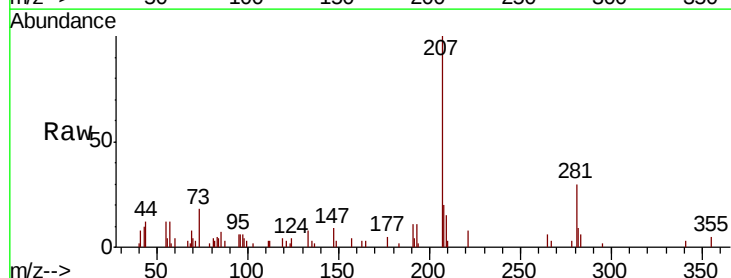
Tgt Ion:278 Resp: 77

Ion Ratio Lower Upper

278 100

139 0.0 8.5 12.7#

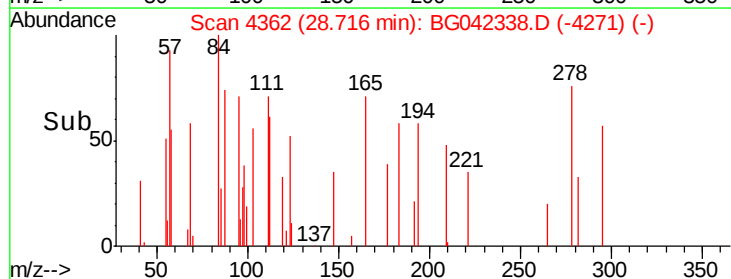
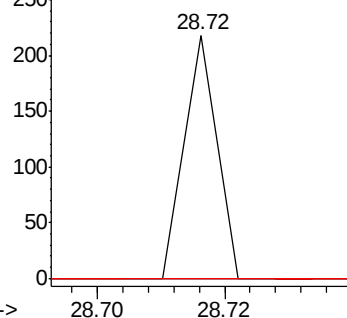
279 0.0 19.8 29.8#

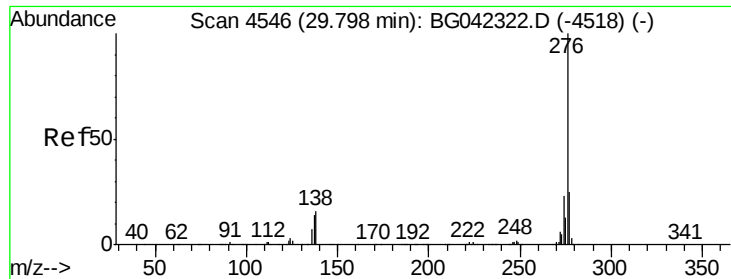


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 0.005 ng
 RT: 29.81 min Scan# 4549
 Delta R.T. 0.02 min
 Lab File: BG042338.D
 Acq: 19 Aug 2019 22:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.8	29.8#
138	0.0	12.8	19.2#

