

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042339.D
 Acq On : 19 Aug 2019 23:05
 Operator : HP/JU
 Sample : K4331-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:25:49 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	64944	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	256447	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	189664	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	425150	20.00	ng	0.00
76) Chrysene-d12	21.69	240	433098	20.00	ng	0.00
87) Perylene-d12	24.93	264	515158	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	369719	115.34	ng	0.00
7) Phenol-d6	7.18	99	510146	117.19	ng	0.01
23) Nitrobenzene-d5	9.17	82	282373	77.44	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	278525	107.82	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	844407	75.34	ng	0.00
79) Terphenyl-d14	20.03	244	1385350	70.06	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	448	0.324	ng	# 77
3) Pyridine	3.57	79	57	0.016	ng	# 1
4) n-Nitrosodimethylamine	3.76	42	74	0.061	ng	# 1
6) Aniline	7.54	93	579	0.101	ng	# 1
9) Benzaldehyde	7.16	77	330	0.135	ng	# 1
10) Phenol	7.20	94	4545	1.027	ng	# 51
11) bis(2-Chloroethyl)ether	7.54	93	579	0.166	ng	# 1
15) Benzyl Alcohol	8.33	79	4338	1.449	ng	# 43
19) n-Nitroso-di-n-propylamine	9.17	70	36315	12.969	ng	# 74
24) Nitrobenzene	9.17	77	935	0.252	ng	# 26
25) Isophorone	9.44	82	288	0.040	ng	# 59
46) 1,1'-Biphenyl	13.50	154	1120	0.091	ng	# 89
48) 2-Nitroaniline	14.11	65	956	0.383	ng	# 1
50) Dimethylphthalate	14.11	163	144735	10.739	ng	# 99
51) 2,6-Dinitrotoluene	14.11	165	1545	0.490	ng	# 7
52) Acenaphthene	14.66	154	554	0.057	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	24377	5.528	ng	# 36
58) Fluorene	16.15	166	10374	0.809	ng	# 91
60) Diethylphthalate	15.48	149	112	0.009	ng	# 55
63) Azobenzene	16.16	77	863	0.095	ng	# 11
65) 4,6-Dinitro-2-methylphenol	16.16	198	608	0.234	ng	# 1
66) n-Nitrosodiphenylamine	16.15	169	7796	0.655	ng	# 49
67) 4-Bromophenyl-phenylether	16.15	248	19035	3.518	ng	# 1
71) Phenanthrene	17.46	178	483	0.023	ng	# 58
72) Anthracene	17.55	178	288	0.014	ng	# 59
74) Di-n-butylphthalate	18.38	149	793	0.036	ng	# 76
75) Fluoranthene	19.47	202	1009	0.040	ng	# 86
77) Benzidine	20.03	184	17919	1.560	ng	# 92
78) Pyrene	19.47	202	1009	0.038	ng	# 95
80) Butylbenzylphthalate	20.70	149	53	0.005	ng	# 29
81) Benzo(a)anthracene	21.69	228	2102	0.079	ng	# 66
83) Chrysene	21.73	228	1258	0.049	ng	# 81
84) Bis(2-ethylhexyl)phthalate	21.58	149	1511	0.103	ng	# 84
85) Di-n-octyl phthalate	22.81	149	209	0.008	ng	# 83

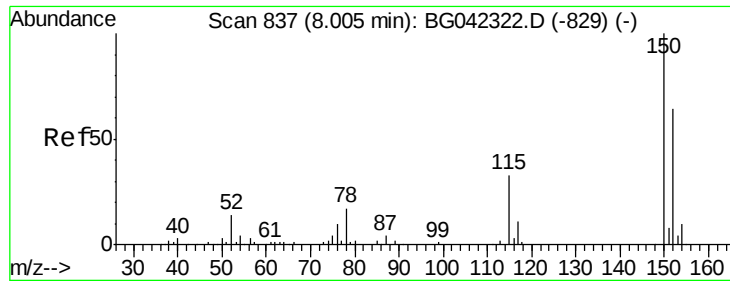
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
Data File : BG042339.D
Acq On : 19 Aug 2019 23:05
Operator : HP/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Indeno(1,2,3-cd)pyrene	28.64	276	184	0.005	ng	# 53
88) Benzo(b)fluoranthene	23.90	252	1252	0.044	ng	# 64
89) Benzo(k)fluoranthene	23.97	252	743	0.027	ng	# 42
90) Benzo(a)pyrene	24.78	252	845	0.031	ng	# 33
91) Dibenzo(a,h)anthracene	28.71	278	284	0.010	ng	# 57
92) Benzo(a,h,i)perylene	29.80	276	368	0.014	ng	# 55

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

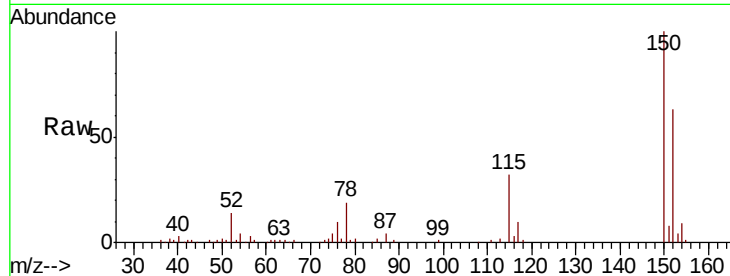


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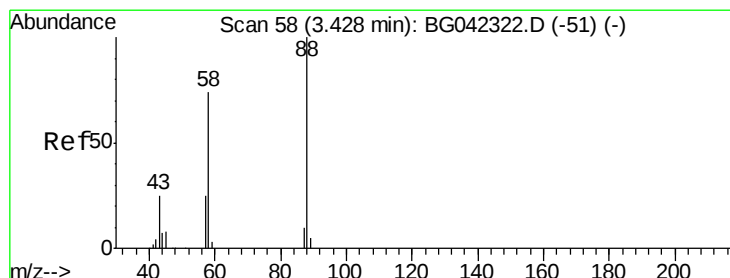
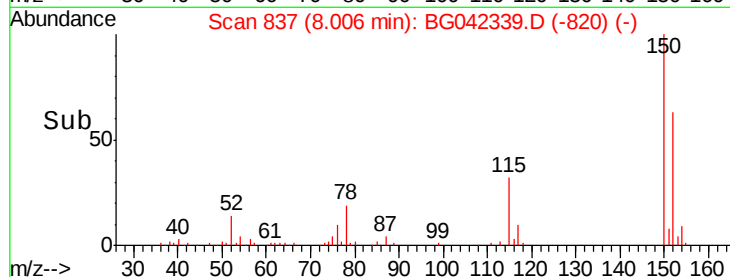
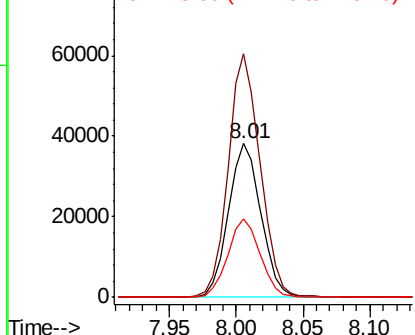
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 64944
Ion Ratio Lower Upper
152 100
150 158.4 124.3 186.5
115 50.9 40.5 60.7



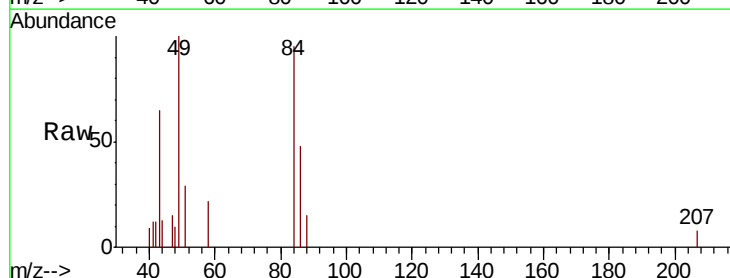
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



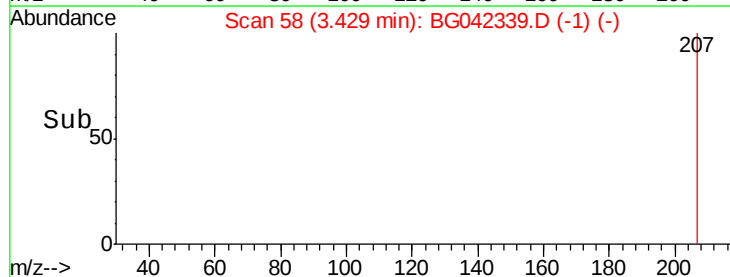
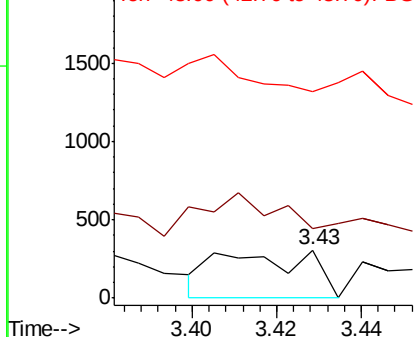
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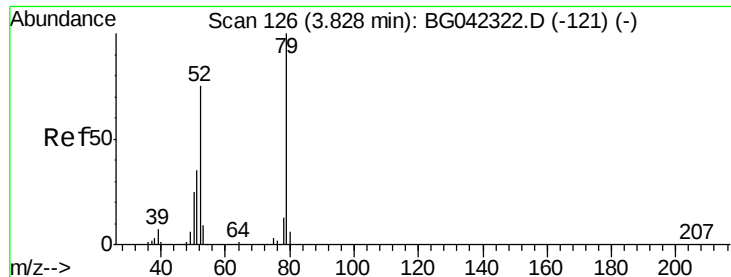
1,4-Dioxane
Concen: 0.324 ng
RT: 3.43 min Scan# 58
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion: 88 Resp: 448
Ion Ratio Lower Upper
88 100
58 85.5 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

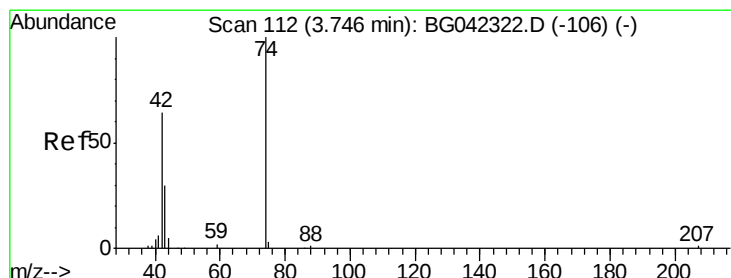
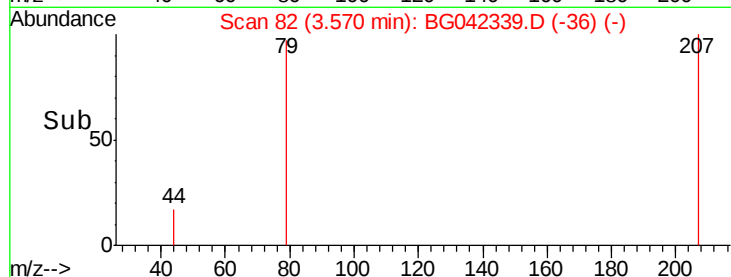
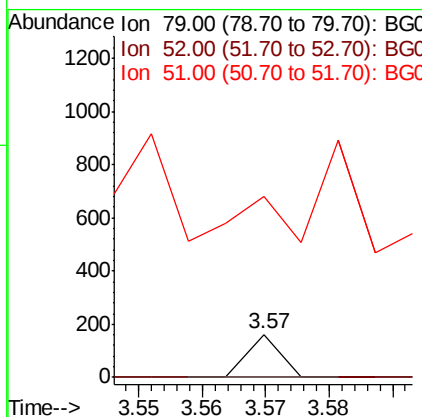
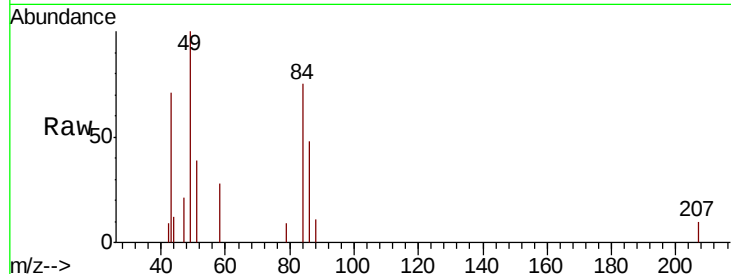




#3
 Pvridine
 Concen: 0.016 ng
 RT: 3.57 min Scan# 82
 Delta R.T. -0.26 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

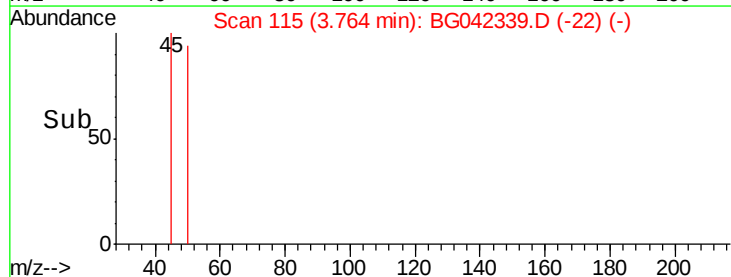
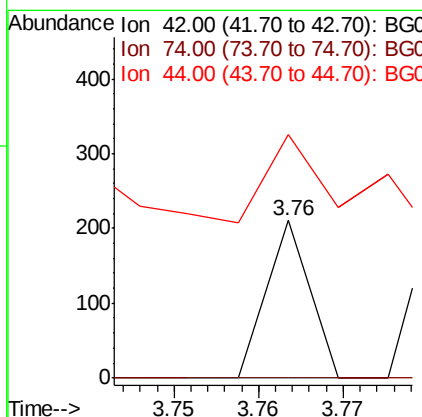
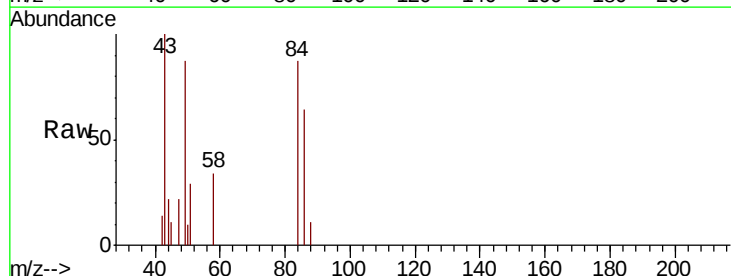
Instrument :
 BNA_G
 ClientSampleId :

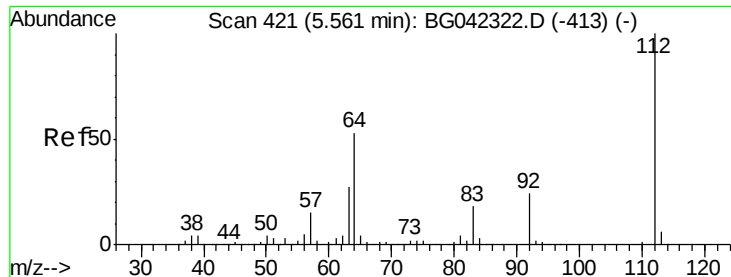
Tot Ion: 79 Resp: 57
 Ion Ratio Lower Upper
 79 100
 52 0.0 60.0 90.0#
 51 416.6 28.6 42.8#



#4
 n-Nitrosodimethylamine
 Concen: 0.061 ng
 RT: 3.76 min Scan# 115
 Delta R.T. 0.02 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Tgt Ion: 42 Resp: 74
 Ion Ratio Lower Upper
 42 100
 74 0.0 124.2 186.2#
 44 154.5 6.5 9.7#





#5

2-Fluorophenol

Concen: 115.343 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

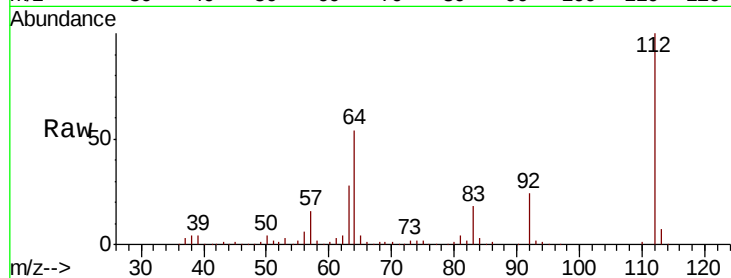
Tot Ion:112 Resp: 369719

Ion Ratio Lower Upper

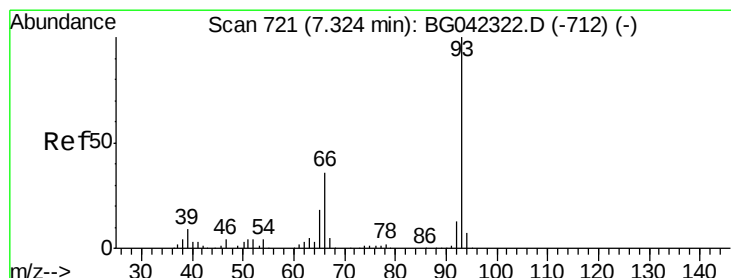
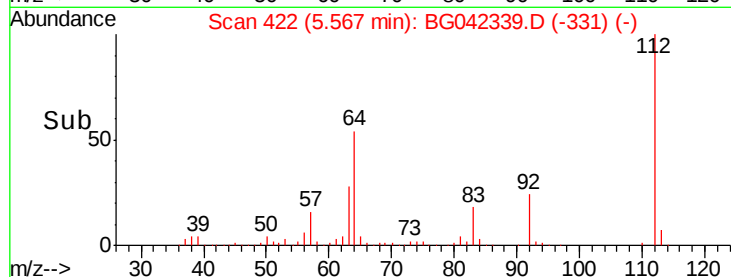
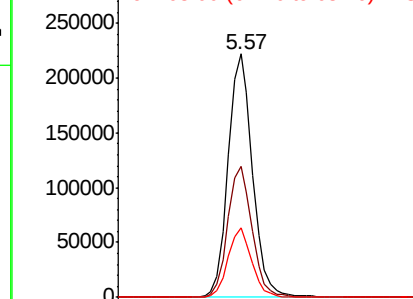
112 100

64 53.8 42.5 63.7

63 28.5 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: 0.101 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.21 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

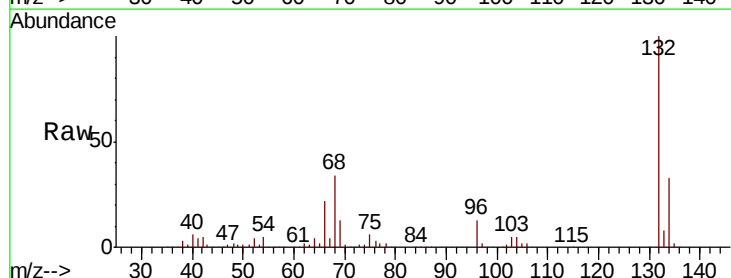
Tgt Ion: 93 Resp: 579

Ion Ratio Lower Upper

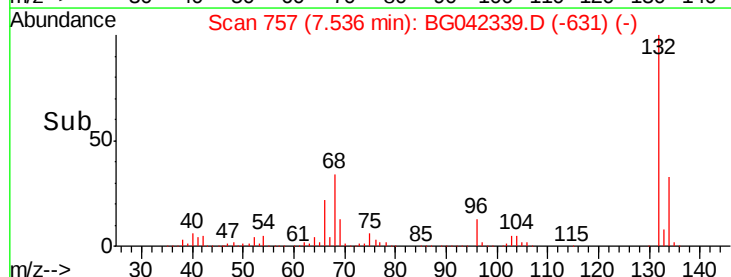
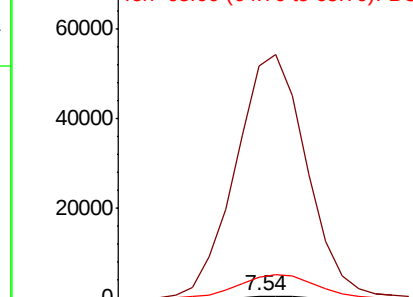
93 100

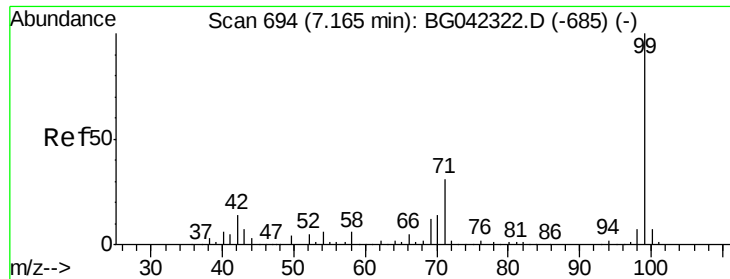
66 13314.7 29.1 43.7#

65 1209.3 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: 117.186 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

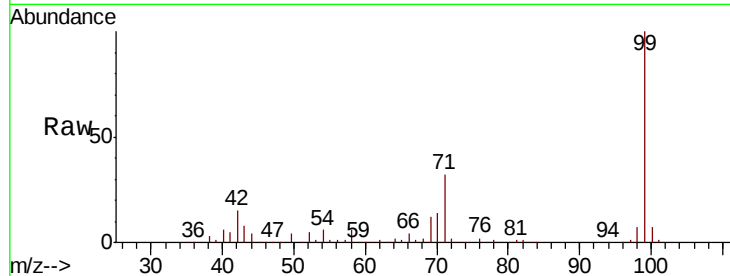
Tot Ion: 99 Resp: 510146

Ion Ratio Lower Upper

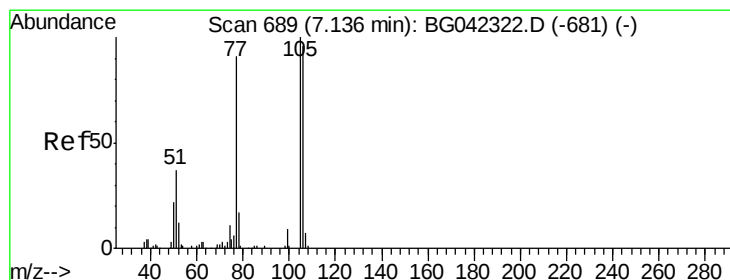
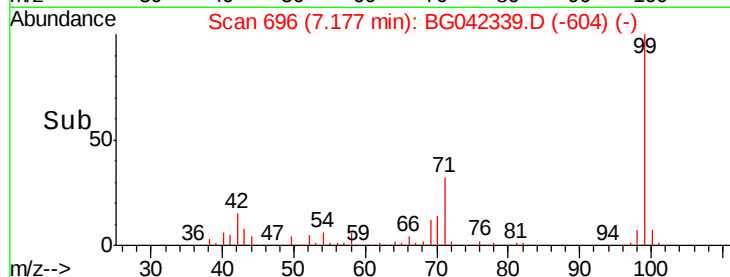
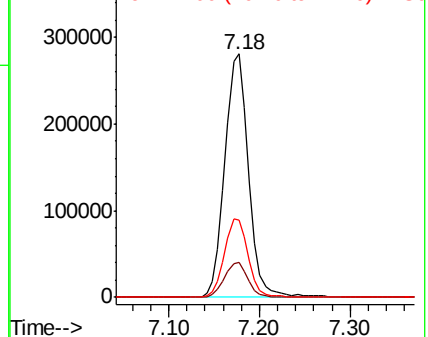
99 100

42 14.5 11.4 17.0

71 31.5 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: 0.135 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.02 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

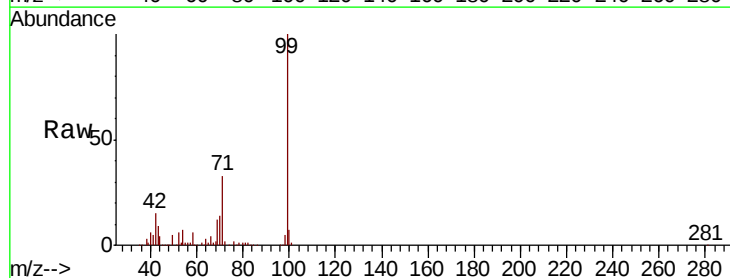
Tgt Ion: 77 Resp: 330

Ion Ratio Lower Upper

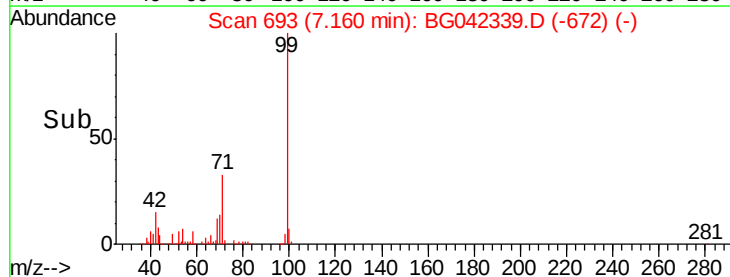
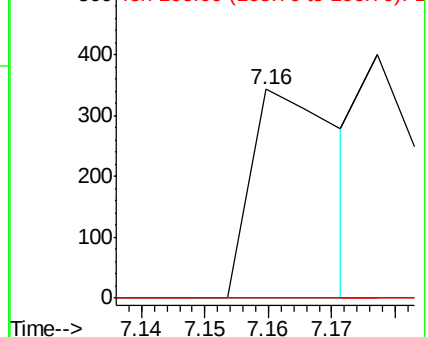
77 100

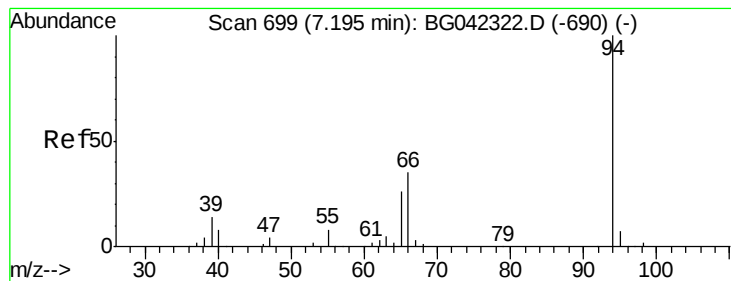
105 0.0 89.8 129.8#

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: 1.027 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

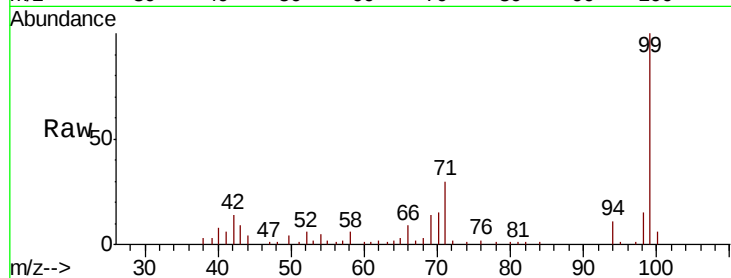
Tot Ion: 94 Resp: 4545

Ion Ratio Lower Upper

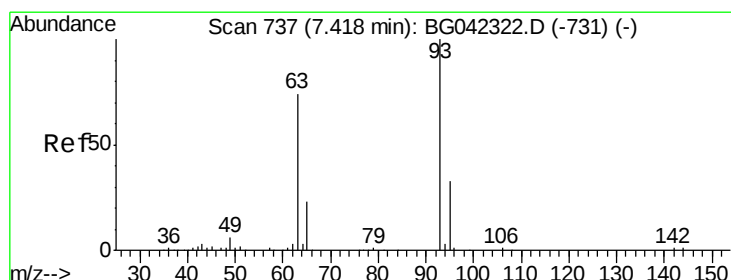
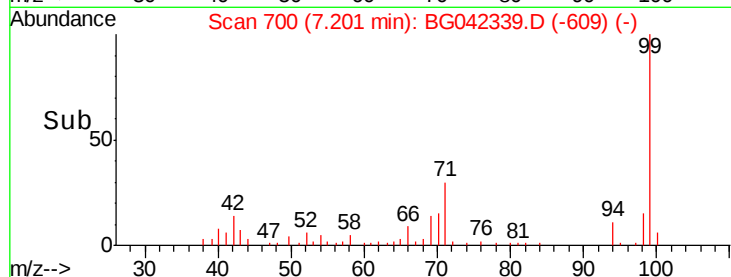
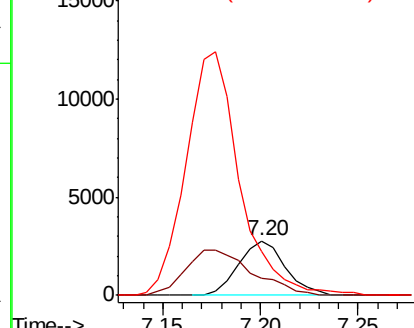
94 100

65 30.6 6.1 46.1

66 81.3 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: 0.166 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.12 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

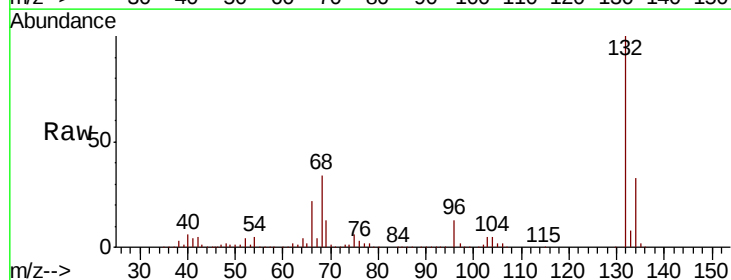
Tgt Ion: 93 Resp: 579

Ion Ratio Lower Upper

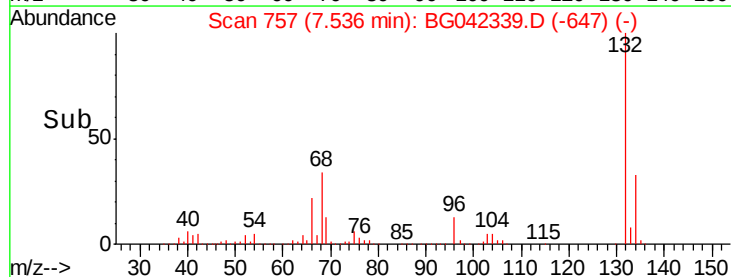
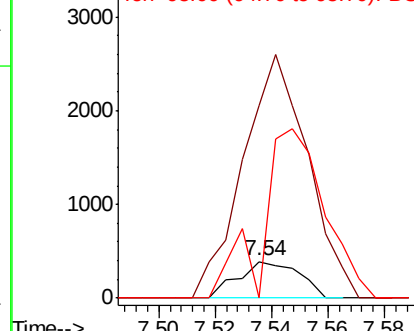
93 100

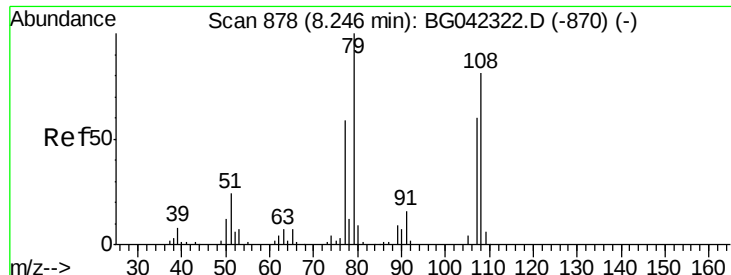
63 531.3 53.0 93.0#

95 0.0 13.0 53.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

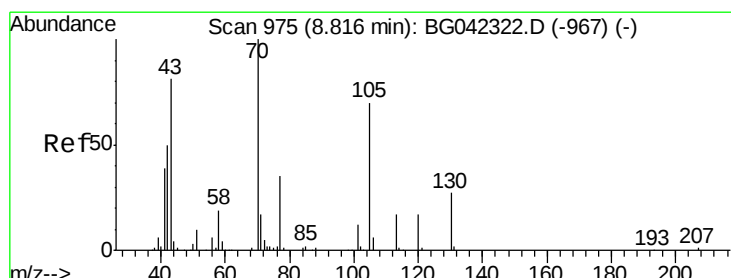
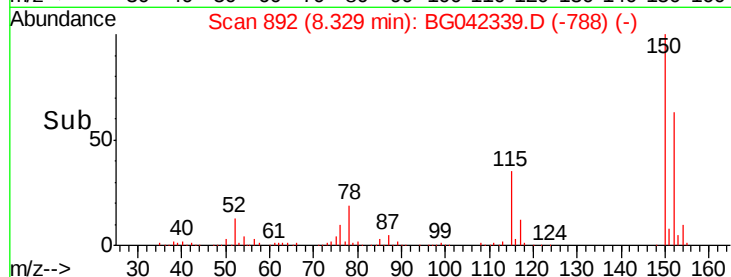
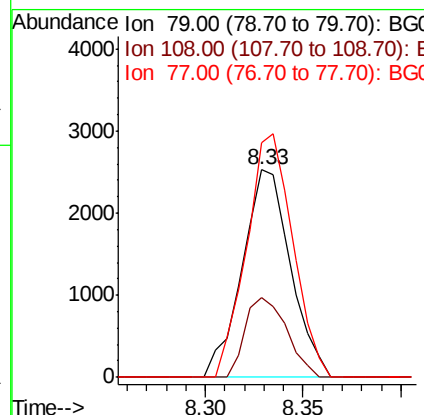
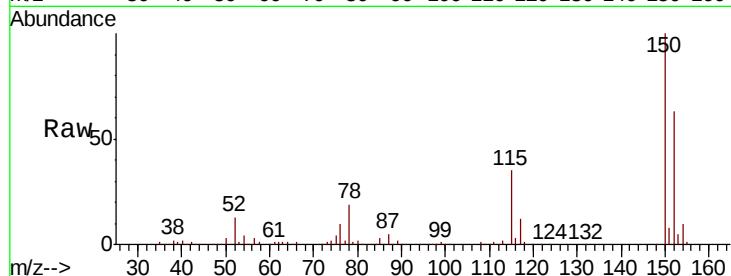




#15
Benzyl Alcohol
Concen: 1.449 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

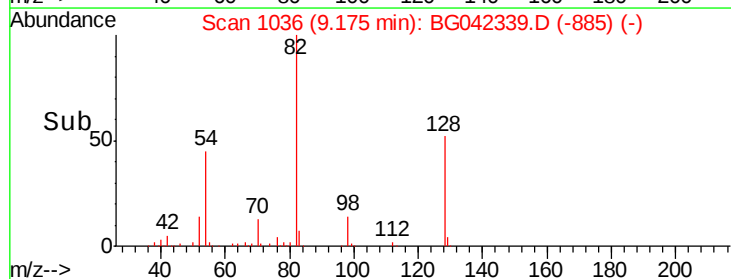
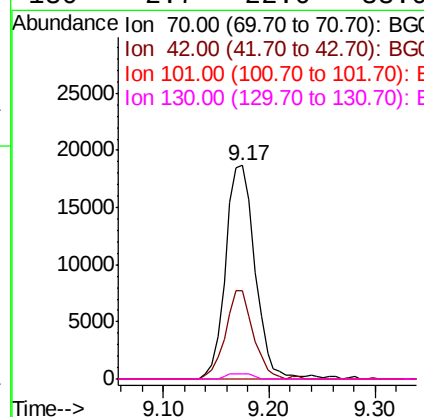
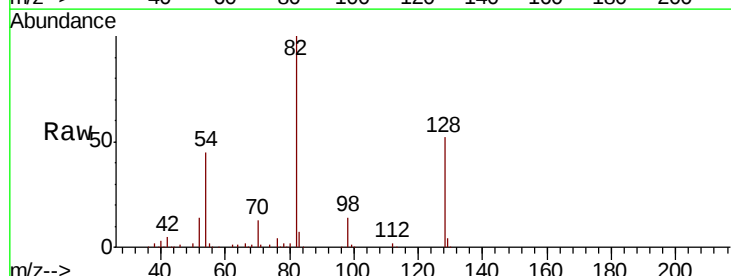
Instrument :
BNA_G
ClientSampleId :

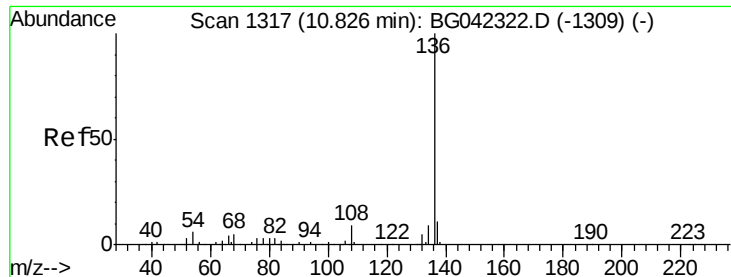
Tot Ion	Ratio	Lower	Upper
79	100		
108	38.7	64.8	97.2#
77	112.9	47.6	71.4#



#19
n-Nitroso-di-n-propylamine
Concen: 12.969 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
70	100		
42	41.3	40.5	60.7
101	0.0	9.3	13.9#
130	2.7	22.0	33.0#

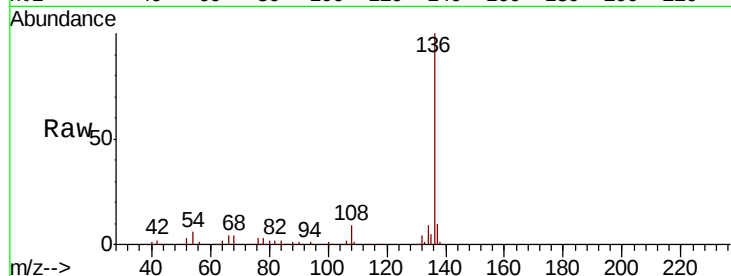




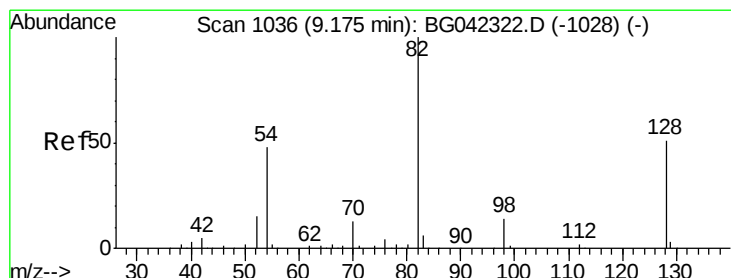
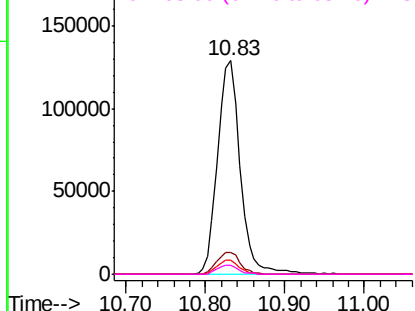
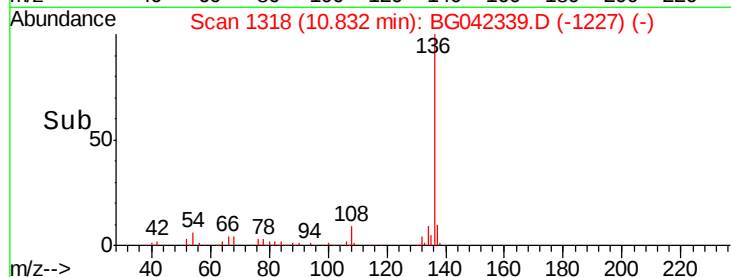
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	256447	
Ion Ratio	Lower	Upper	
136 100			
137 10.4	8.4	12.6	
54 6.3	5.0	7.4	
68 4.3	3.8	5.8	

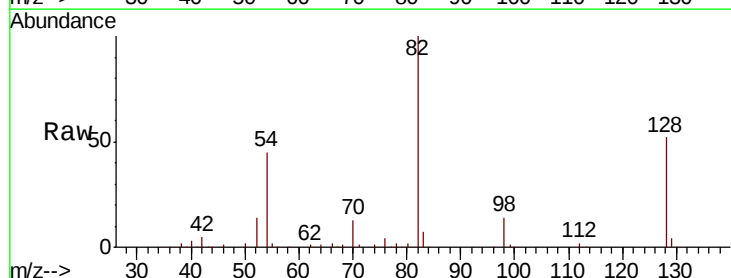


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

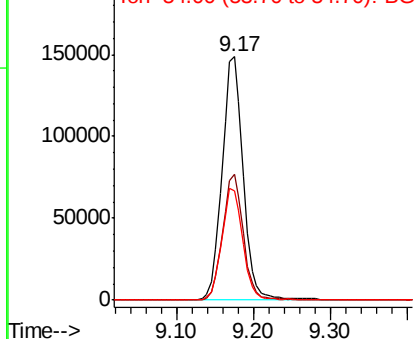
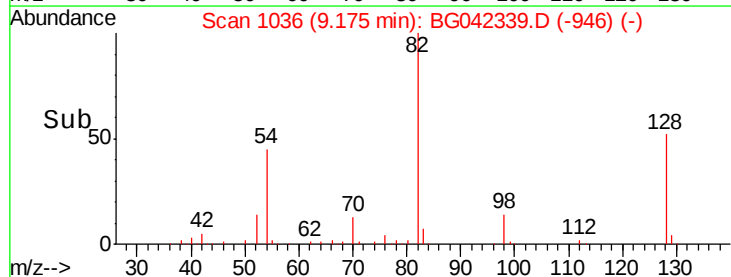


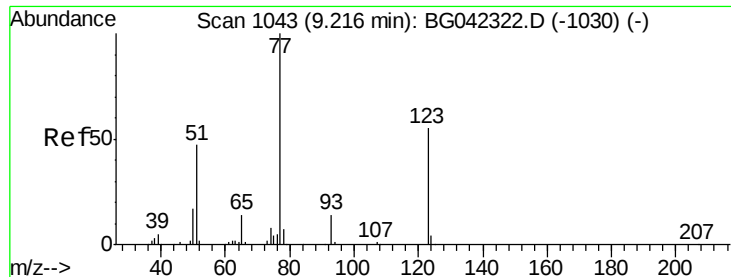
#23
Nitrobenzene-d5
Concen: 77.443 ng
RT: 9.17 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt	Ion: 82	Resp:	282373
Ion	Ratio	Lower	Upper
82	100		
128	51.9	41.0	61.4
54	44.8	38.0	57.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
200000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

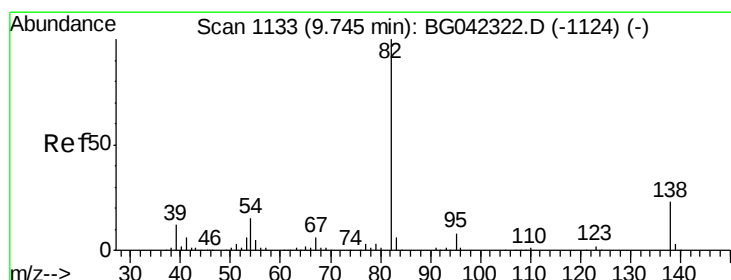
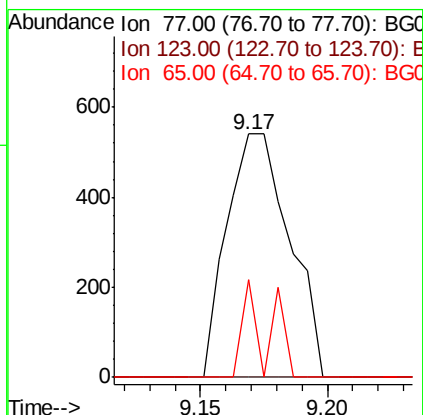
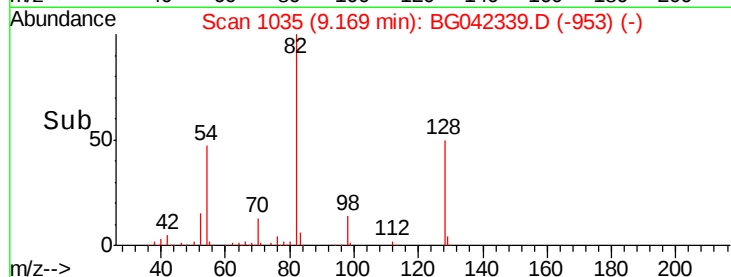
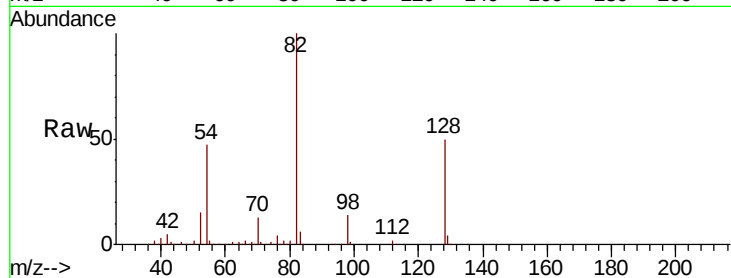




#24
Nitrobenzene
Concen: 0.252 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

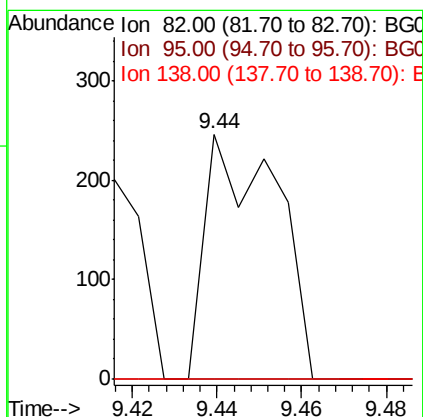
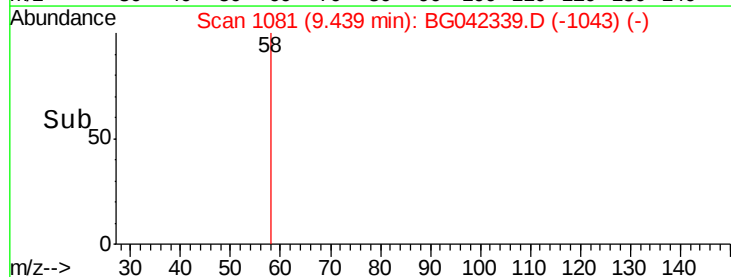
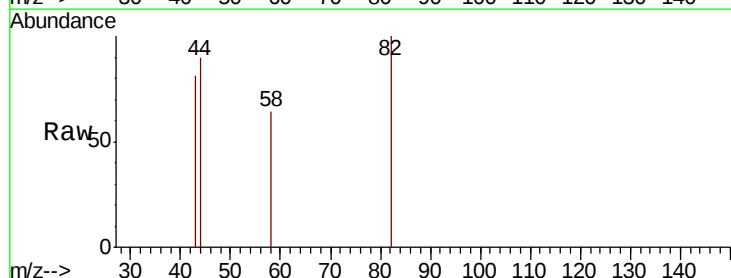
Instrument :
BNA_G
ClientSampled :

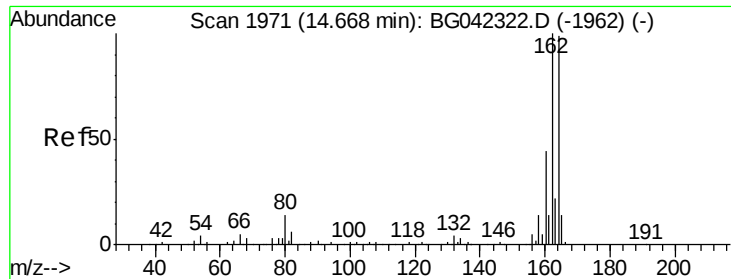
Tot Ion: 77 Resp: 935
Ion Ratio Lower Upper
77 100
123 0.0 43.7 65.5#
65 39.9 10.9 16.3#



#25
Isophorone
Concen: 0.040 ng
RT: 9.44 min Scan# 1081
Delta R.T. -0.31 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion: 82 Resp: 288
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 18.2 27.2#

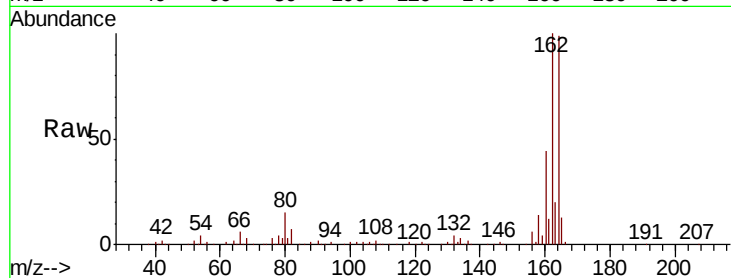




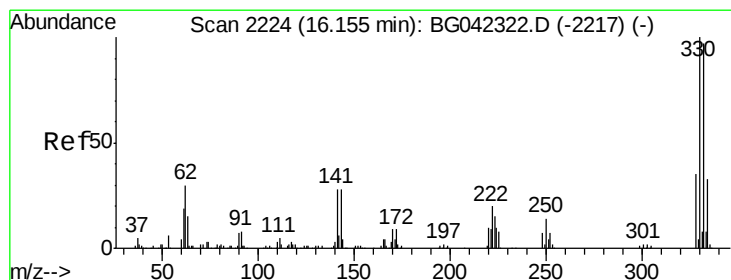
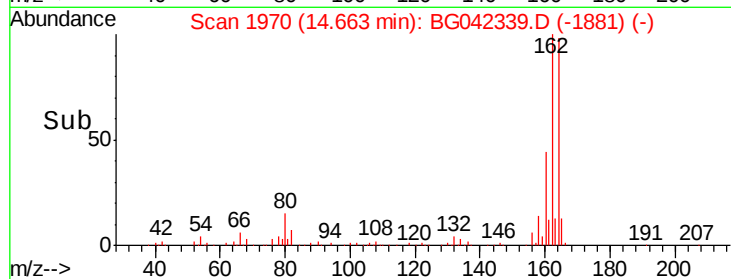
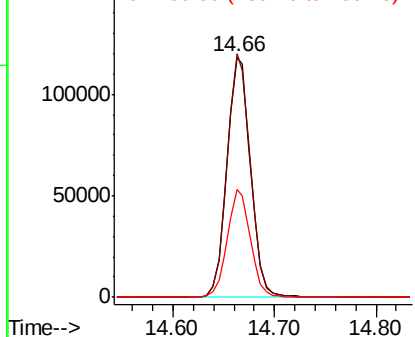
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 189664
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 44.7 35.7 53.5

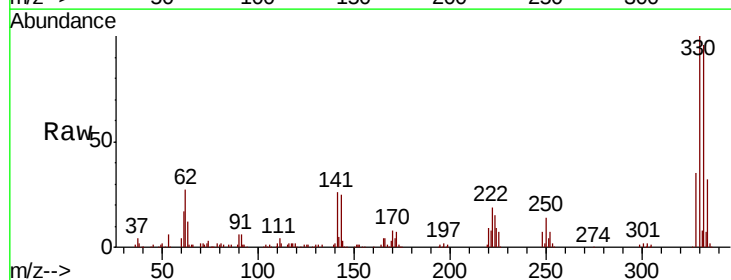


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

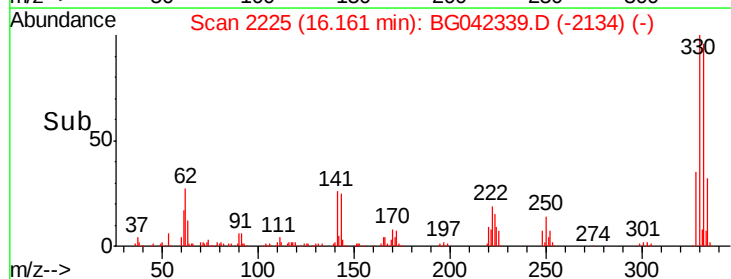
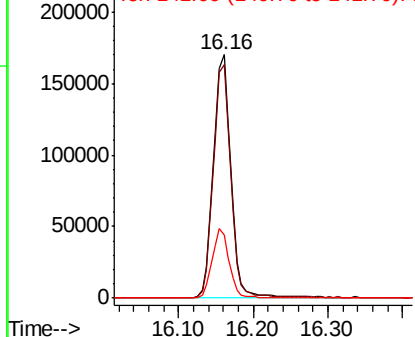


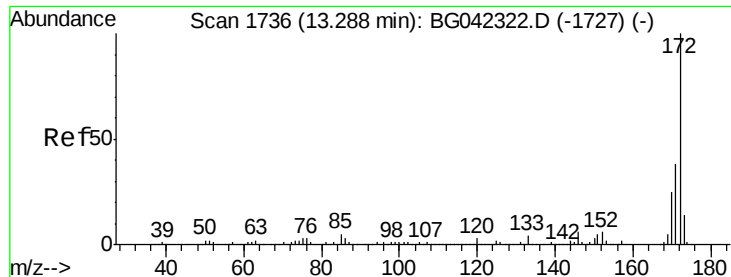
#42
2,4,6-Tribromophenol
Concen: 107.822 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion:330 Resp: 278525
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 27.6 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

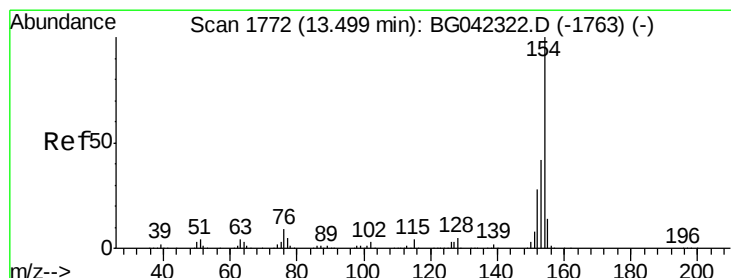
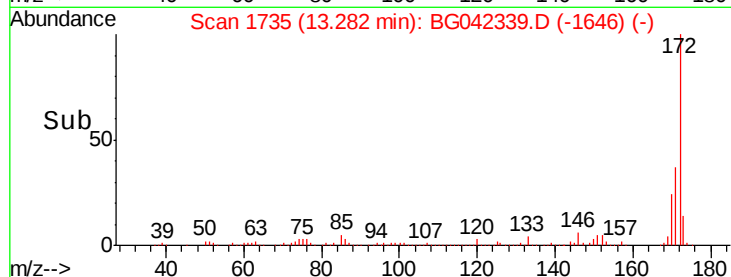
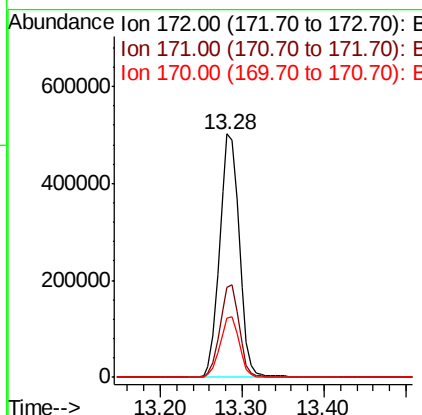
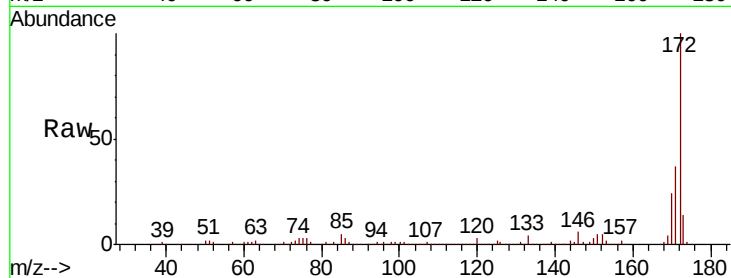




#45
 2-Fluorobiphenyl
 Concen: 75.337 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.01 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

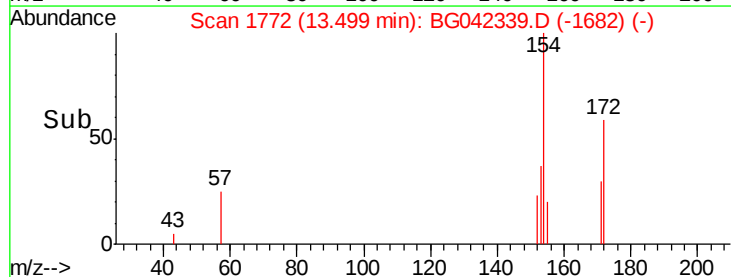
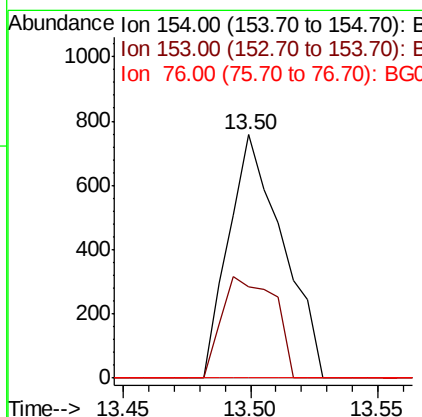
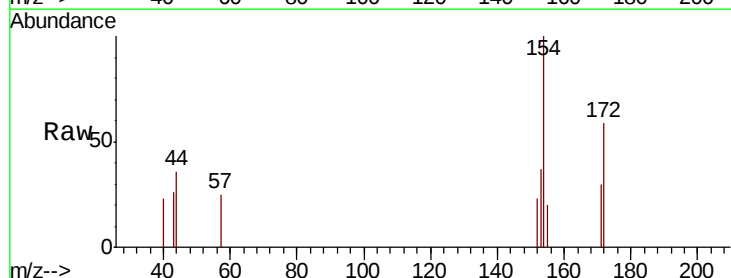
Instrument :
 BNA_G
 ClientSampleId :

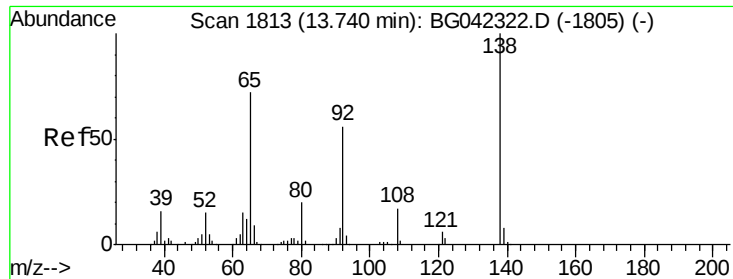
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.3	45.5
170	24.4	20.0	30.0



#46
 1,1'-Biphenyl
 Concen: 0.091 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.2	21.9	61.9
76	0.0	0.0	29.3

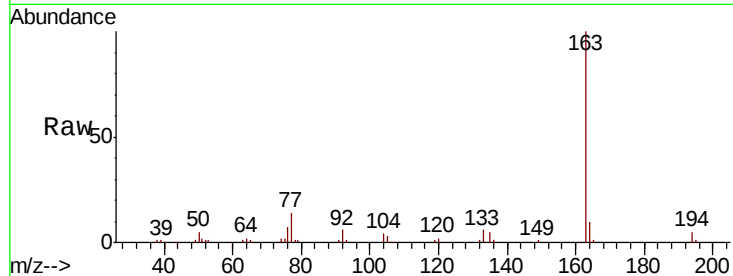




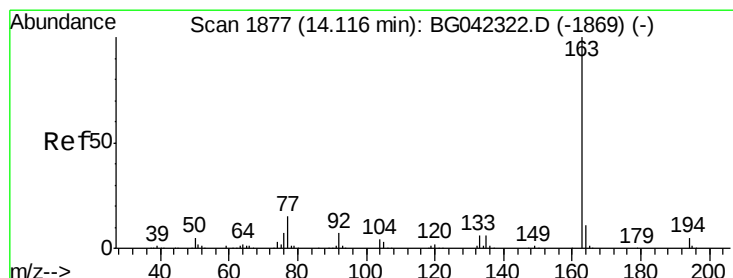
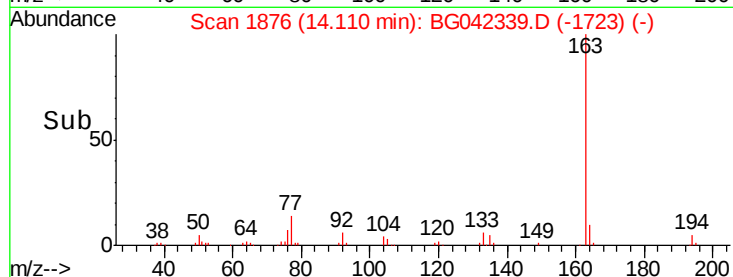
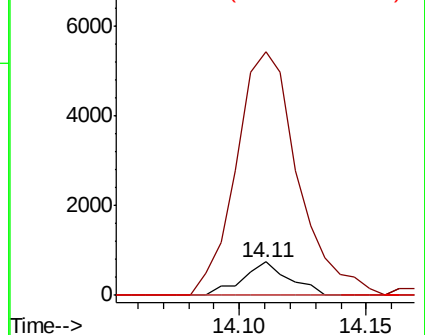
#48
2-Nitroaniline
Concen: 0.383 ng
RT: 14.11 min Scan# 1876
Delta R.T. 0.37 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 956
Ion Ratio Lower Upper
65 100
92 728.9 62.6 94.0#
138 0.0 111.5 167.3#

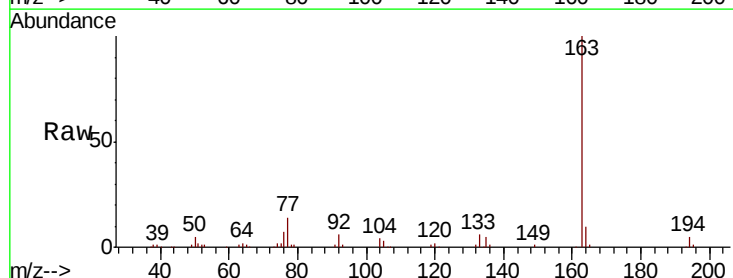


Abundance Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG
Ion 138.00 (137.70 to 138.70): E

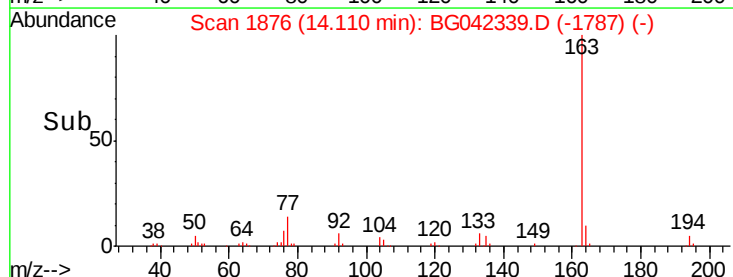
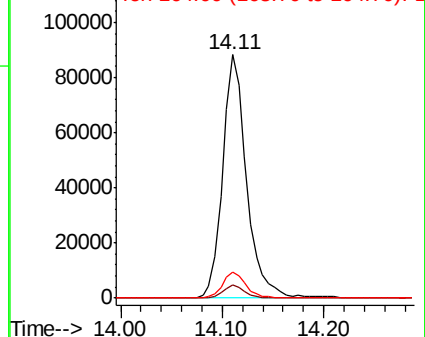


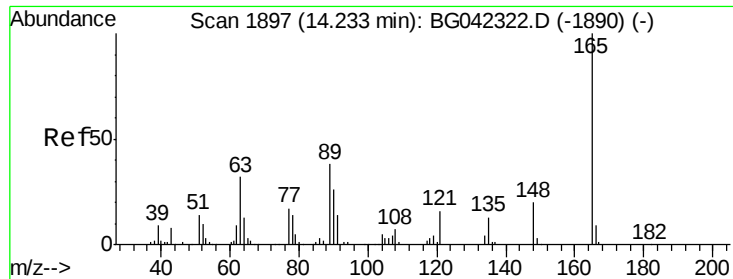
#50
Dimethylphthalate
Concen: 10.739 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion:163 Resp: 144735
Ion Ratio Lower Upper
163 100
194 5.2 4.2 6.2
164 10.5 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

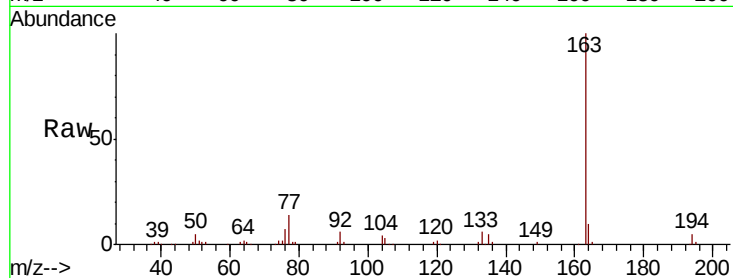




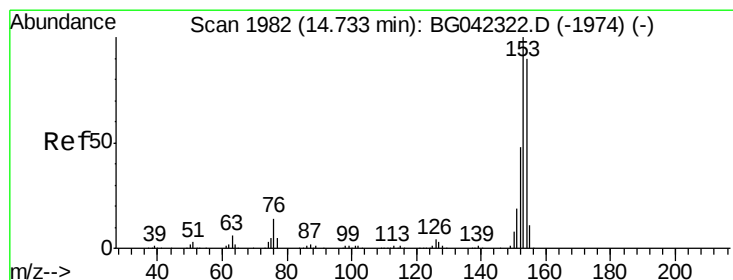
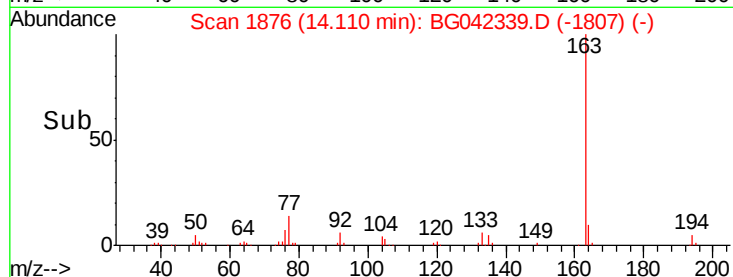
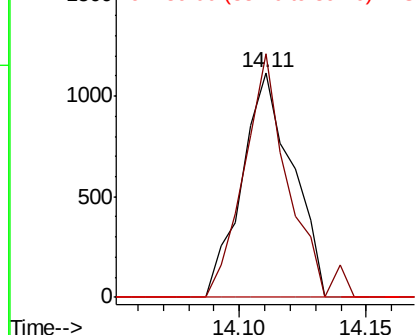
#51
 2,6-Dinitrotoluene
 Concen: 0.490 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. -0.12 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 1545
 Ion Ratio Lower Upper
 165 100
 63 108.3 28.2 42.2#
 89 0.0 30.0 45.0#

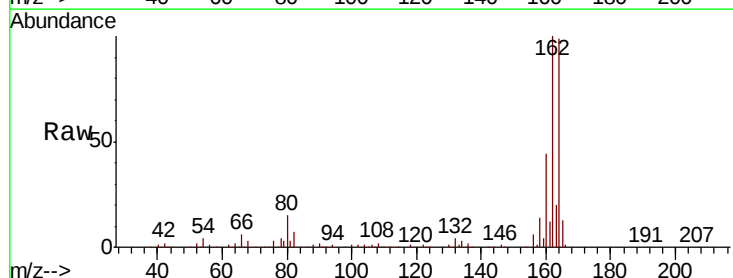


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

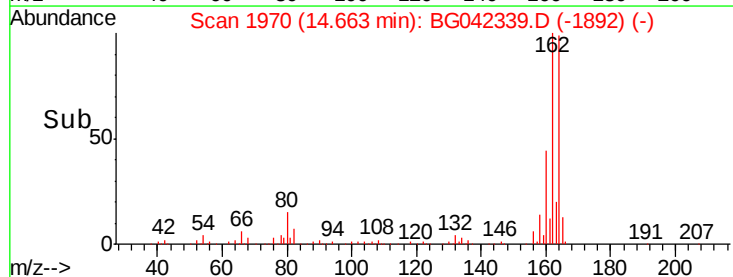
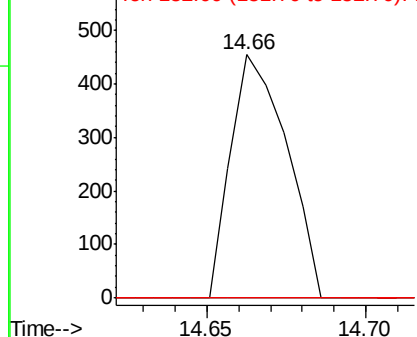


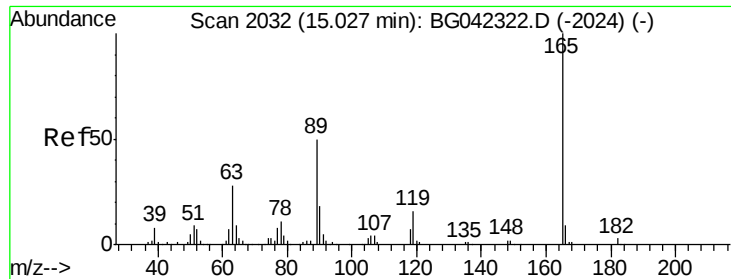
#52
 Acenaphthene
 Concen: 0.057 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.07 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Tgt Ion:154 Resp: 554
 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

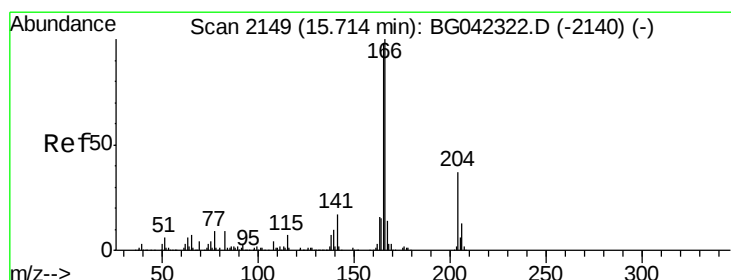
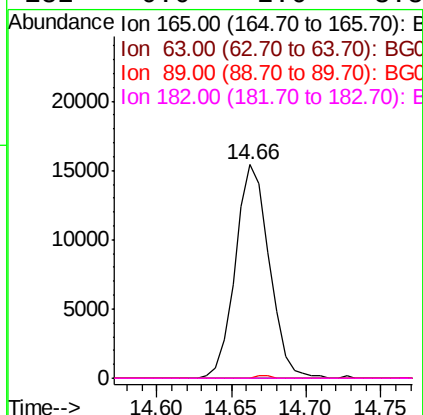
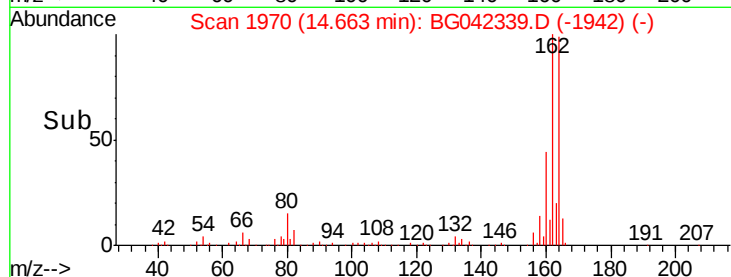
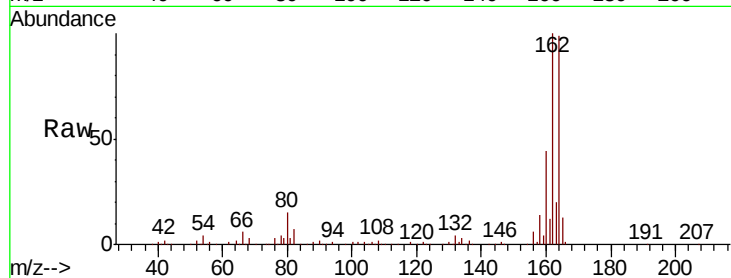




#57
 2,4-Dinitrotoluene
 Concen: 5.528 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

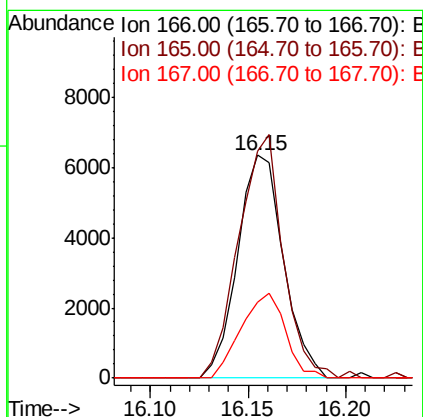
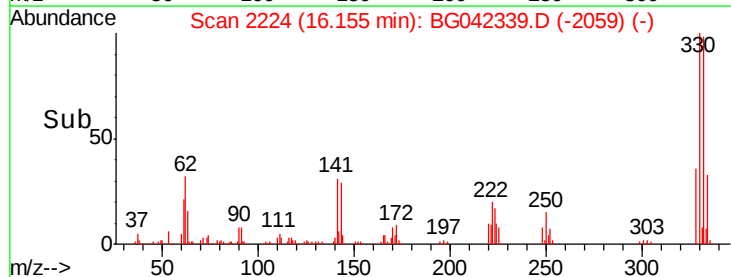
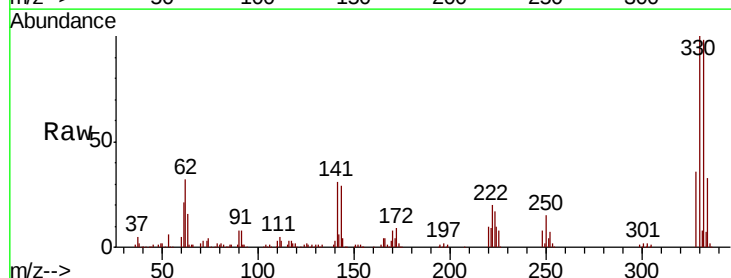
Instrument :
 BNA_G
 ClientSampleId :

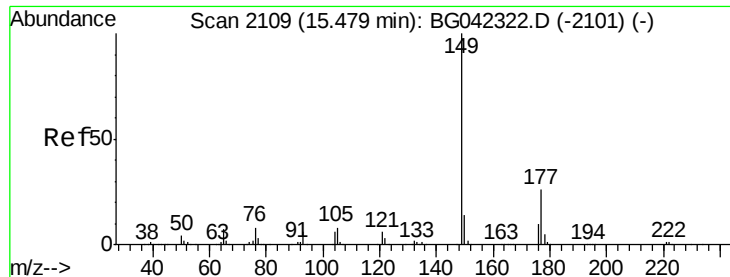
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.4	33.6#
89	0.0	40.2	60.2#
182	0.0	2.6	3.8#



#58
 Fluorene
 Concen: 0.809 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.44 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	78.7	118.1
167	34.1	11.1	16.7#

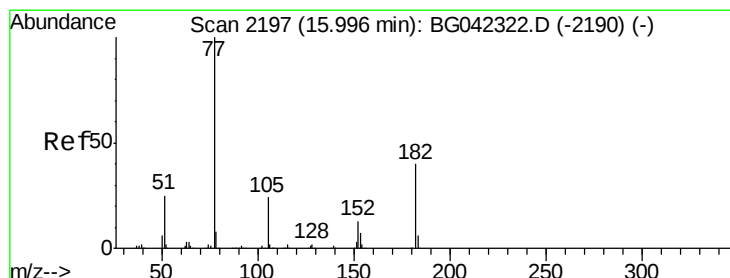
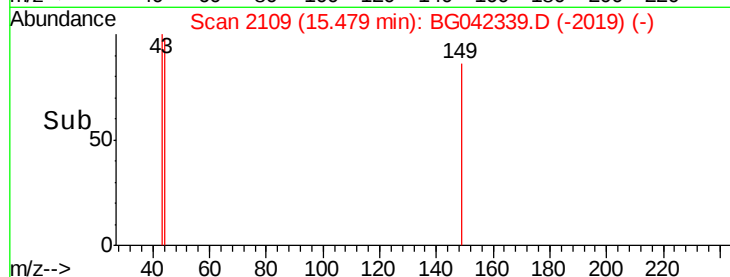
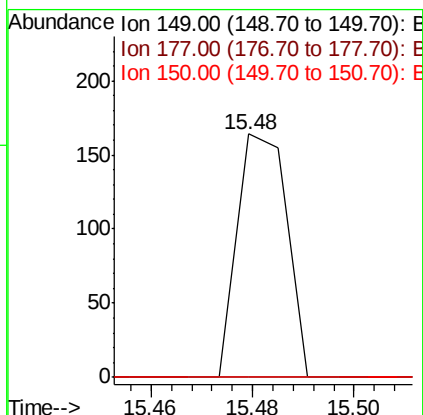
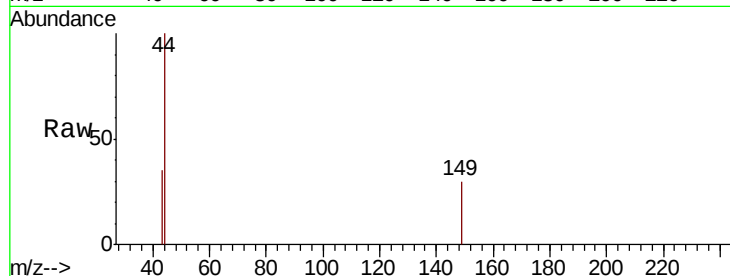




#60
Diethylphthalate
Concen: 0.009 ng
RT: 15.48 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

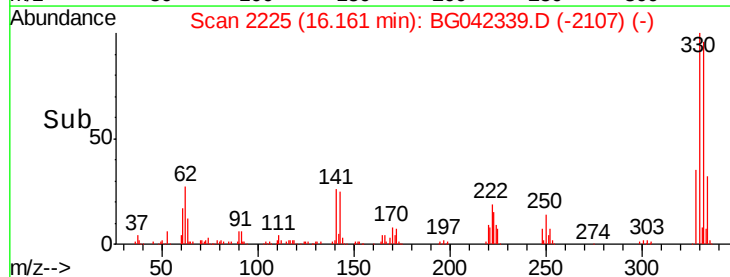
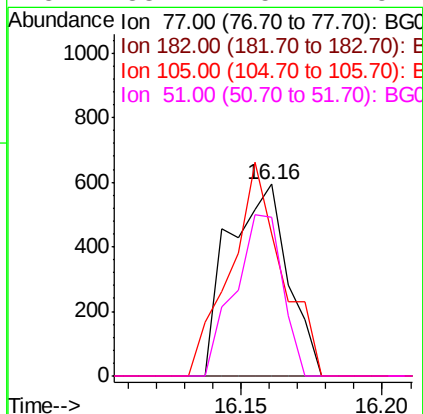
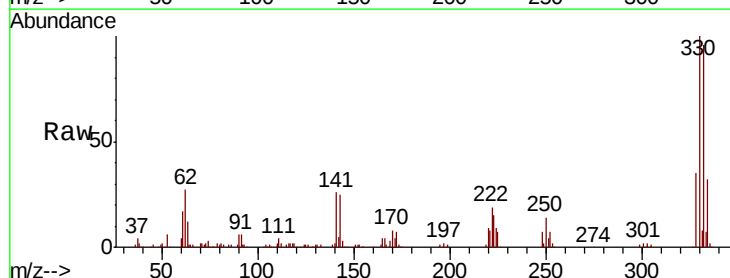
Instrument :
BNA_G
ClientSampleId :

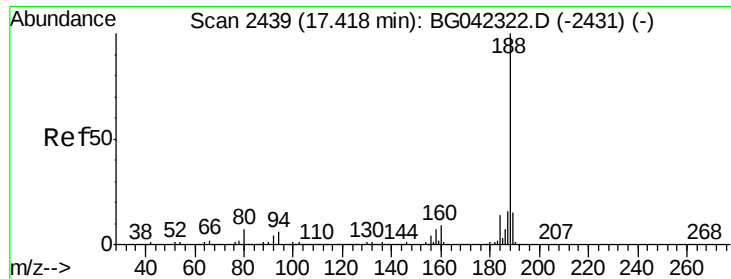
Tot Ion:149 Resp: 112
Ion Ratio Lower Upper
149 100
177 0.0 20.7 31.1#
150 0.0 11.0 16.4#



#63
Azobenzene
Concen: 0.095 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.16 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion: 77 Resp: 863
Ion Ratio Lower Upper
77 100
182 0.0 19.7 59.7#
105 73.9 3.5 43.5#
51 83.1 5.4 45.4#

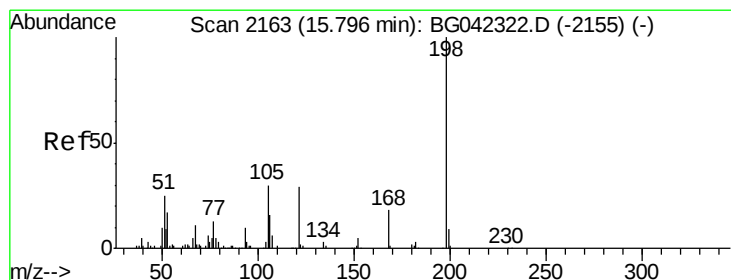
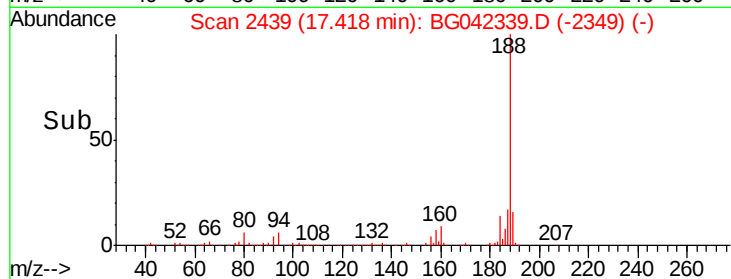
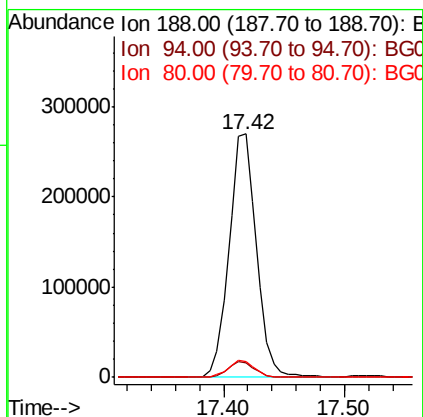
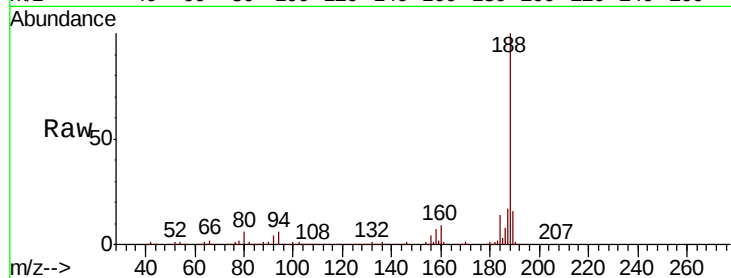




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

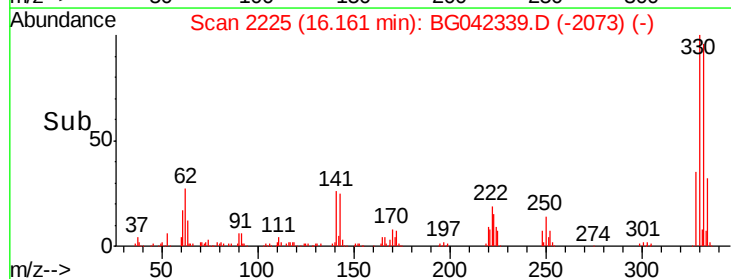
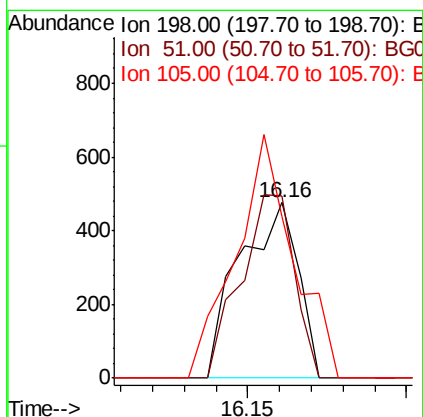
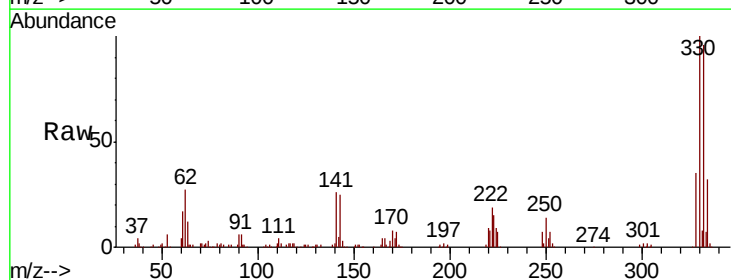
Instrument :
BNA_G
ClientSampleId :

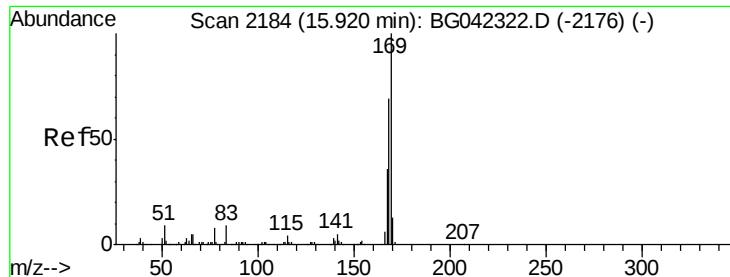
Tot Ion:188 Resp: 425150
Ion Ratio Lower Upper
188 100
94 6.0 4.9 7.3
80 6.4 5.4 8.0



#65
4,6-Dinitro-2-methylphenol
Concen: 0.234 ng
RT: 16.16 min Scan# 2225
Delta R.T. 0.36 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion:198 Resp: 608
Ion Ratio Lower Upper
198 100
51 103.6 6.4 46.4#
105 92.0 10.0 50.0#

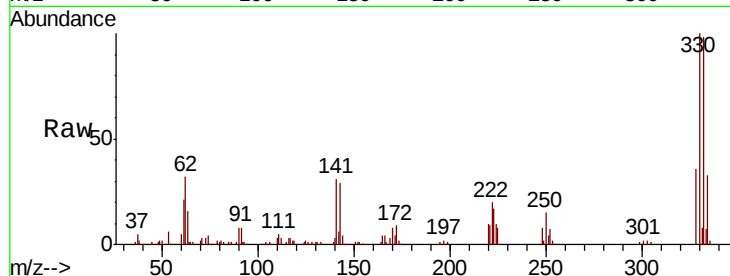




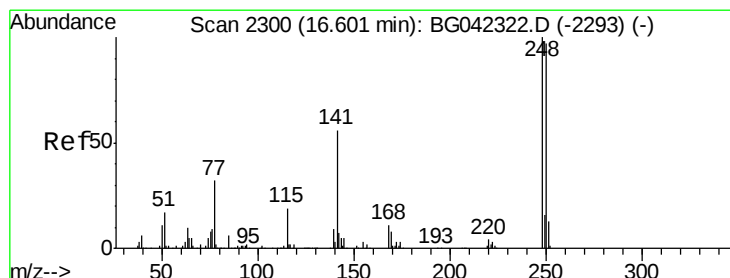
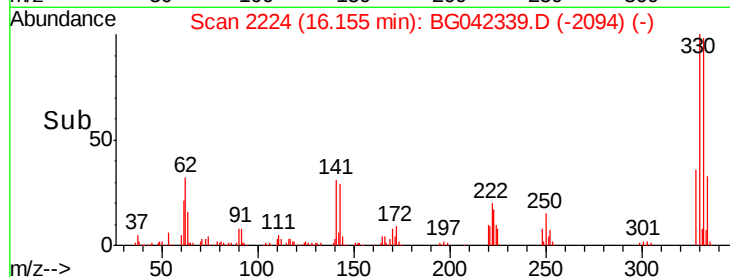
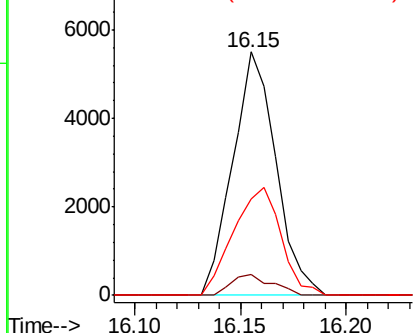
#66
 n-Nitrosodiphenylamine
 Concen: 0.655 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. 0.24 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 7796
 Ion Ratio Lower Upper
 169 100
 168 8.5 55.5 83.3#
 167 39.4 28.9 43.3

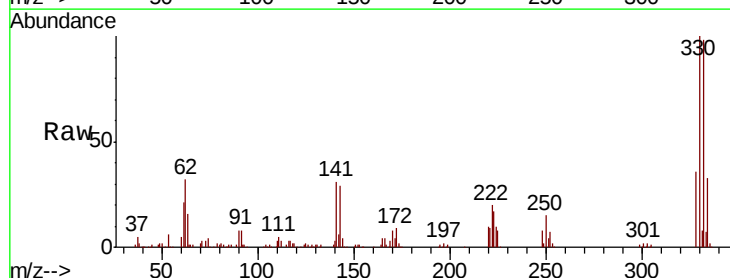


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

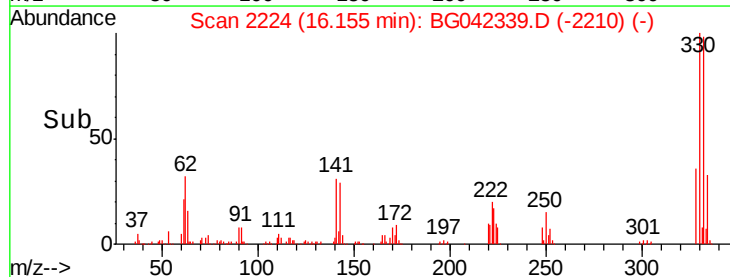
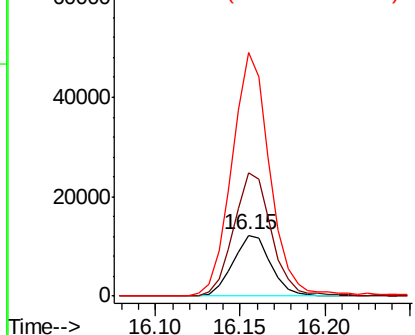


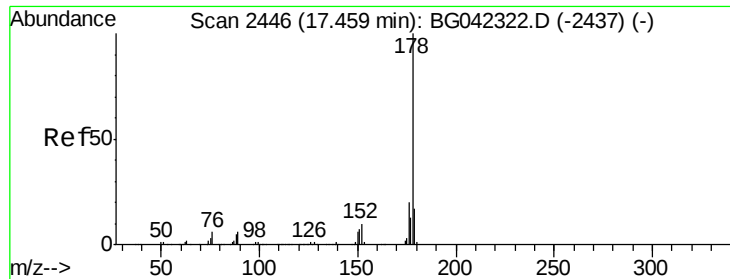
#67
 4-Bromophenyl-phenylether
 Concen: 3.518 ng
 RT: 16.15 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Tgt Ion:248 Resp: 19035
 Ion Ratio Lower Upper
 248 100
 250 202.7 78.0 117.0#
 141 401.0 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

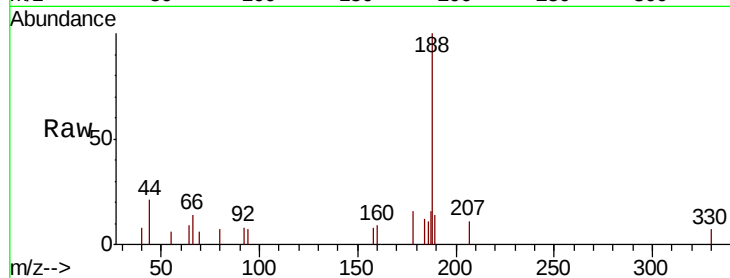




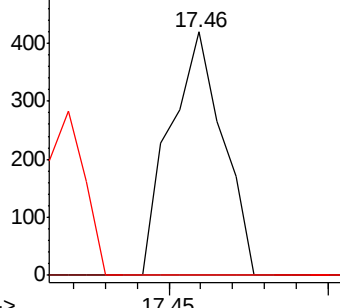
#71
Phenanthrene
Concen: 0.023 ng
RT: 17.46 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampled :

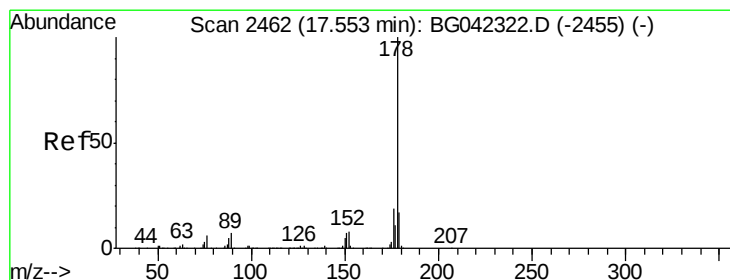
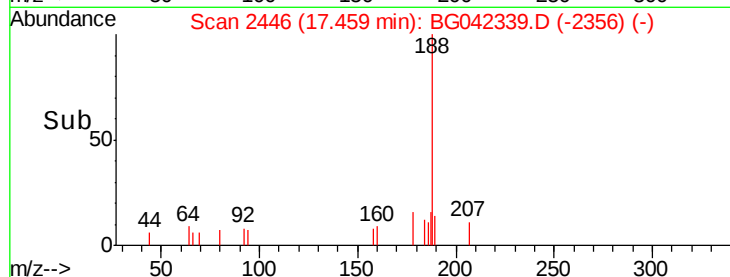
Tot Ion:178 Resp: 483
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 13.7 20.5#



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

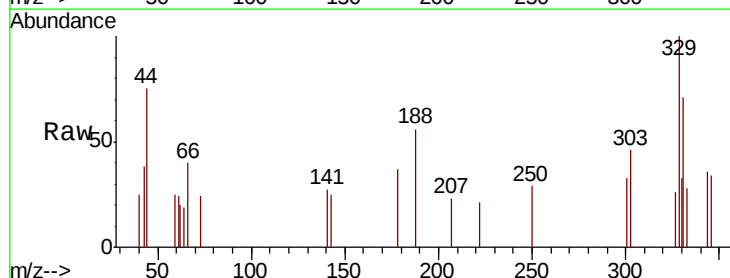


Time-->

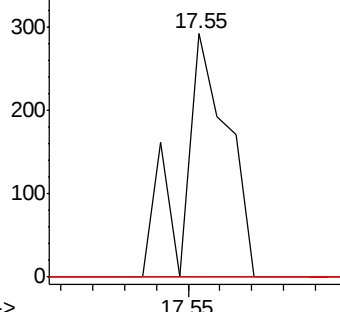


#72
Anthracene
Concen: 0.014 ng
RT: 17.55 min Scan# 2462
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

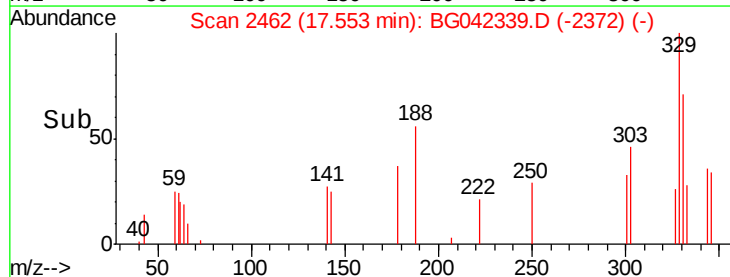
Tgt Ion:178 Resp: 288
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 13.6 20.4#

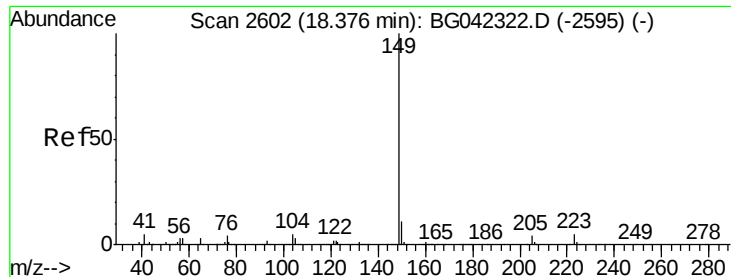


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Di-n-butylphthalate

Concen: 0.036 ng

RT: 18.38 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

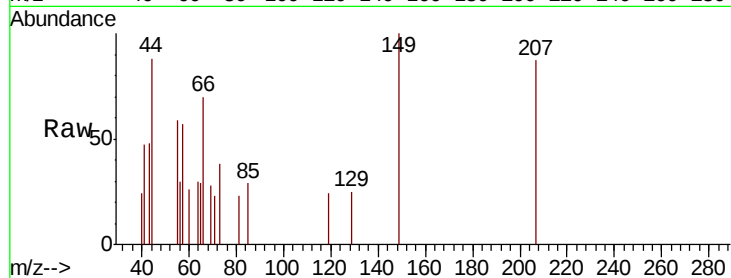
Tot Ion:149 Resp: 793

Ion Ratio Lower Upper

149 100

150 0.0 8.4 12.6#

104 0.0 3.7 5.5#



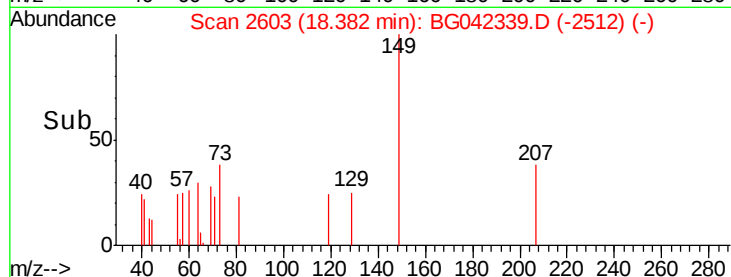
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

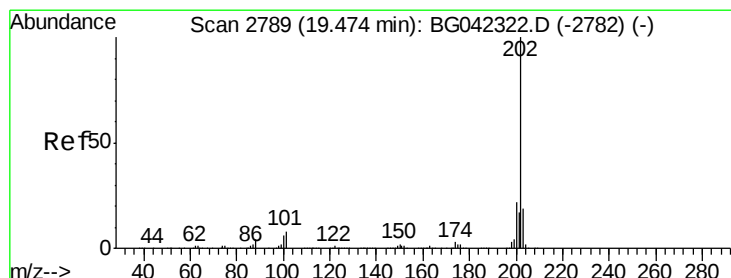
Ion 104.00 (103.70 to 104.70): E

18.38

Time-->



Time-->



#75

Fluoranthene

Concen: 0.040 ng

RT: 19.47 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

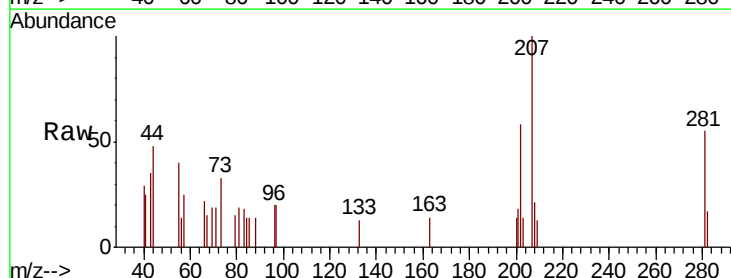
Tgt Ion:202 Resp: 1009

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.0

203 23.6 0.0 39.1



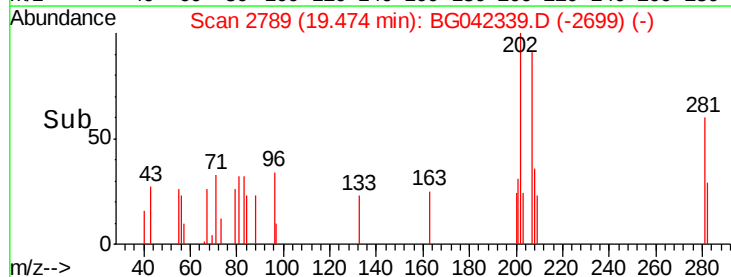
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

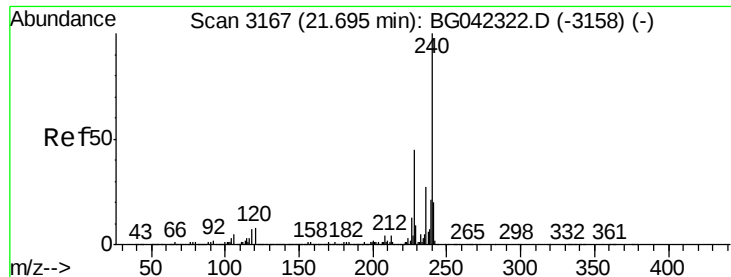
Ion 203.00 (202.70 to 203.70): E

19.47

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

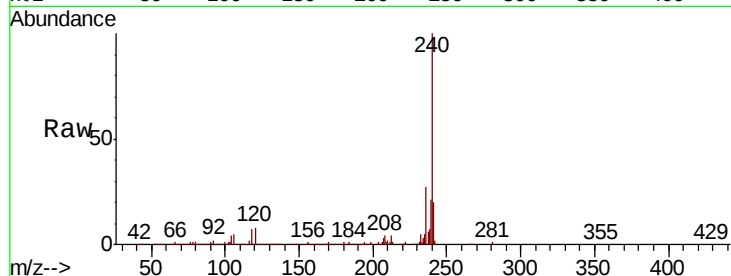
Tot Ion:240 Resp: 433098

Ion Ratio Lower Upper

240 100

120 7.6 6.0 9.0

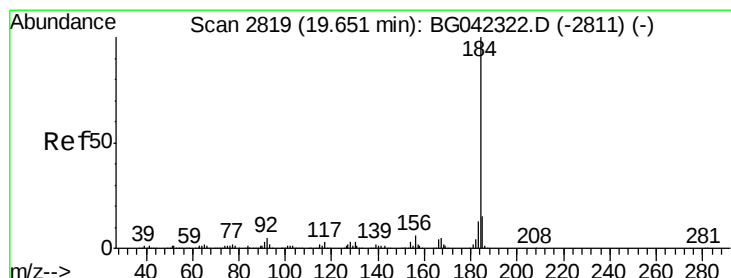
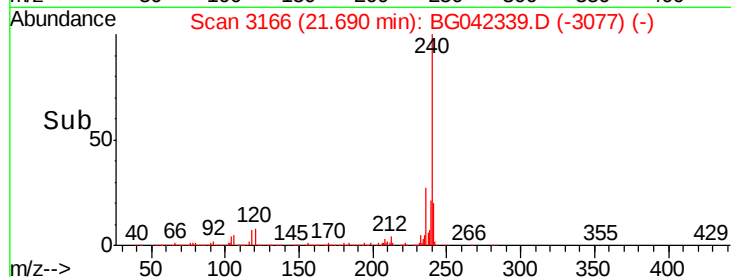
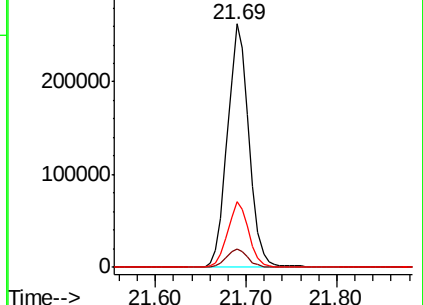
236 26.8 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: 1.560 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

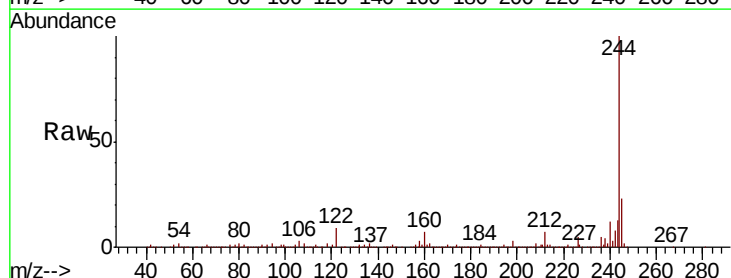
Tgt Ion:184 Resp: 17919

Ion Ratio Lower Upper

184 100

185 16.9 11.8 17.6

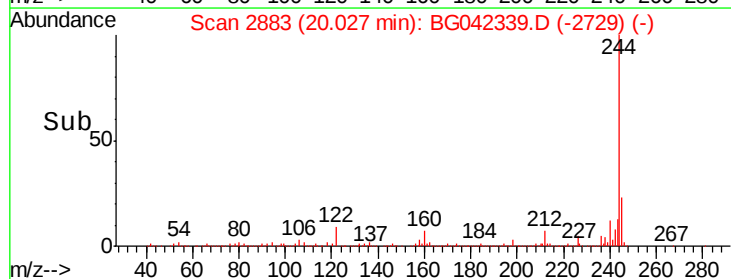
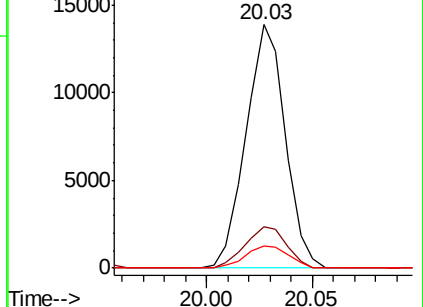
183 9.2 10.6 15.8#

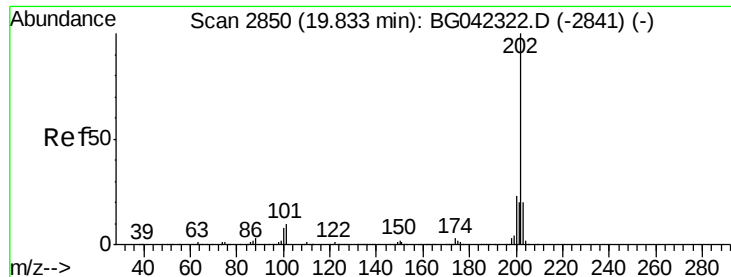


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 0.038 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.36 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

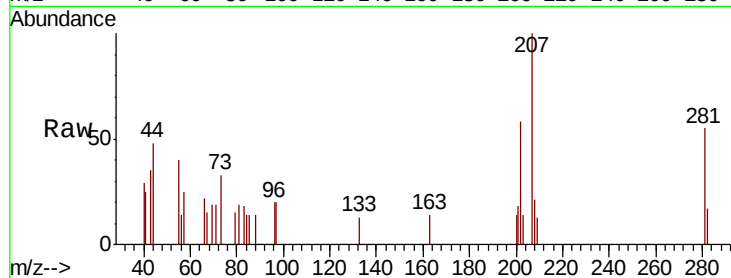
Tot Ion:202 Resp: 1009

Ion Ratio Lower Upper

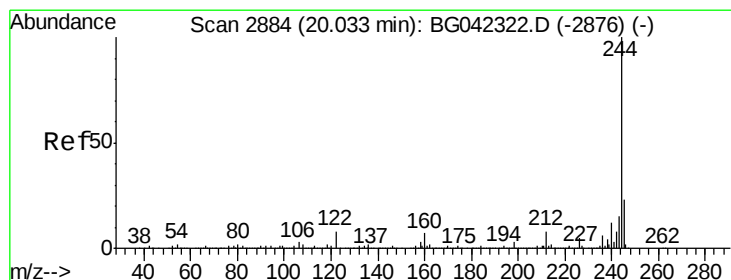
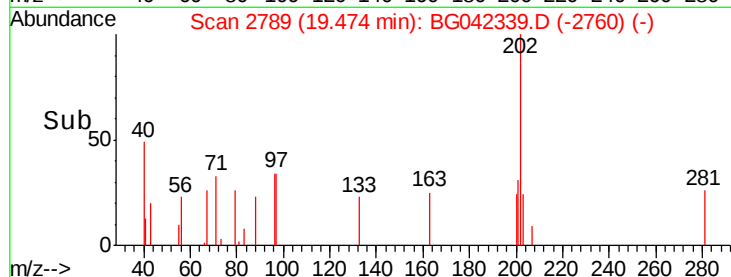
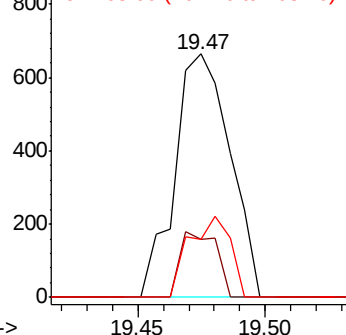
202 100

200 23.9 18.1 27.1

203 23.6 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: 70.061 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

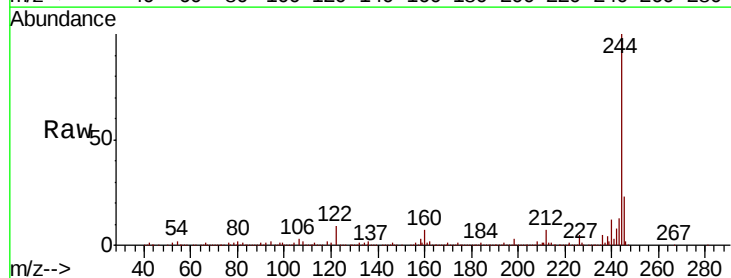
Tgt Ion:244 Resp: 1385350

Ion Ratio Lower Upper

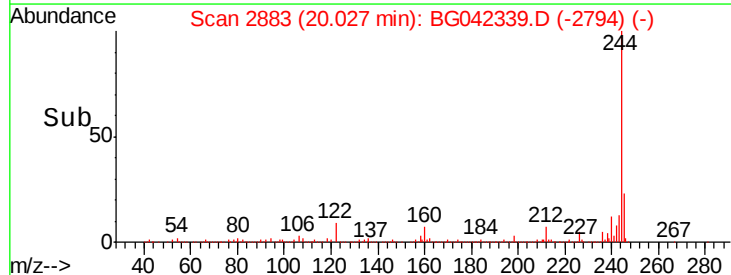
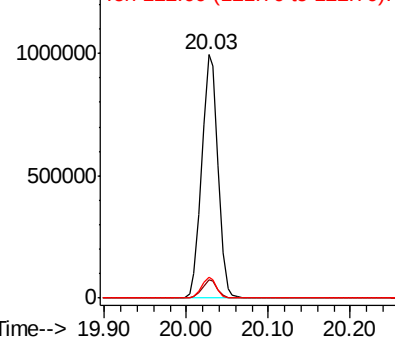
244 100

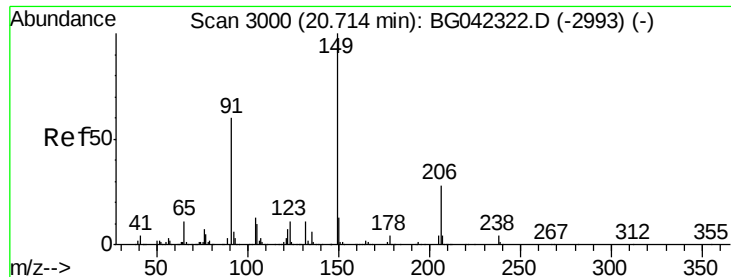
212 7.4 6.4 9.6

122 8.5 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

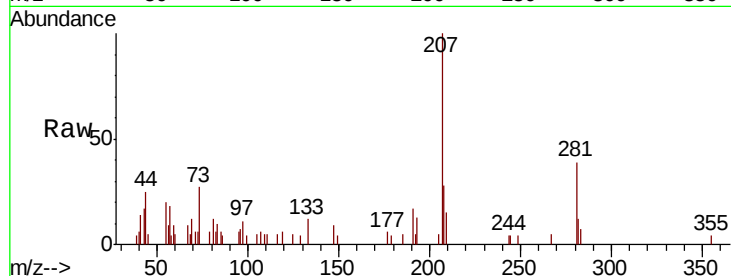




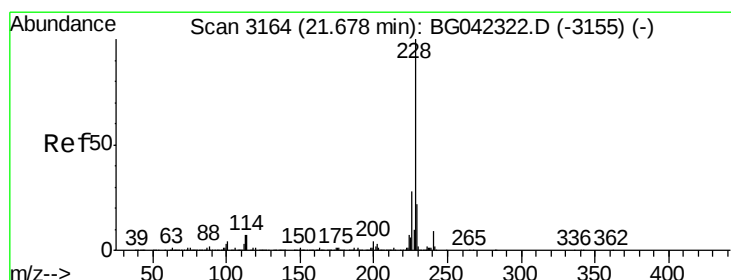
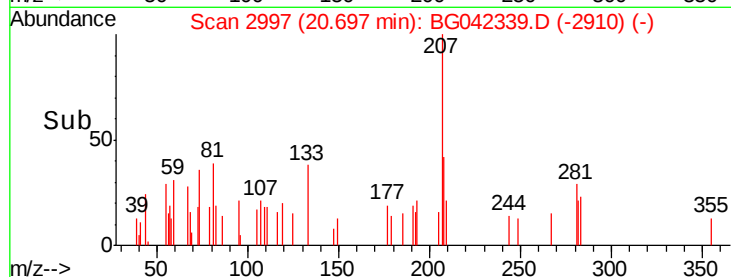
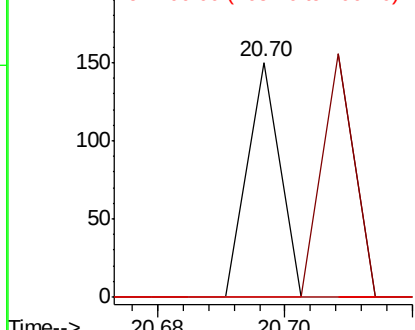
#80
Butylbenzylphthalate
Concen: 0.005 ng
RT: 20.70 min Scan# 2997
Delta R.T. -0.02 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :

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

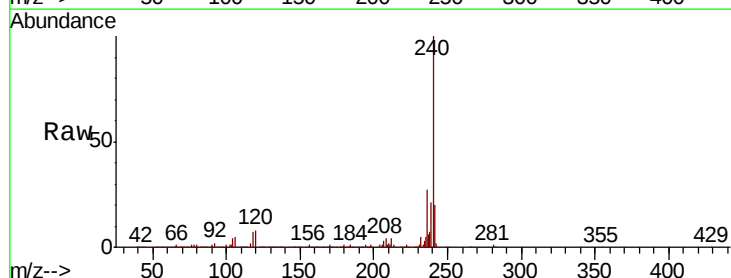


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

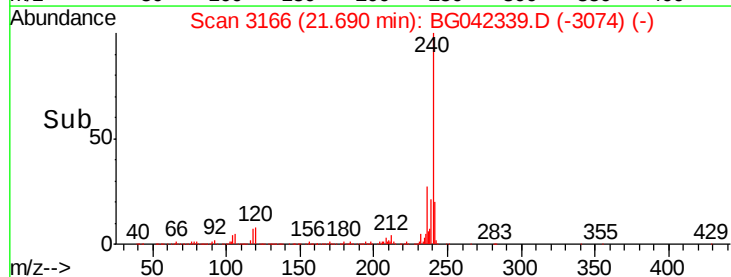
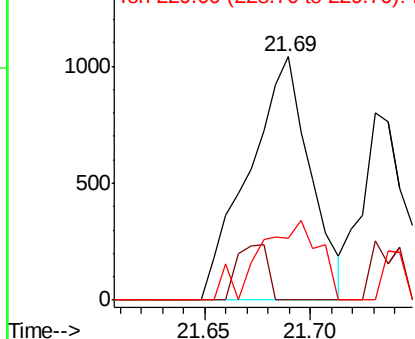


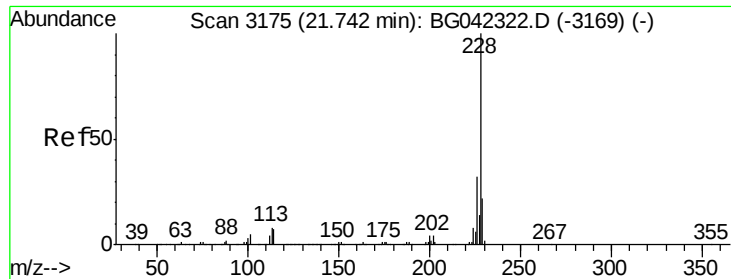
#81
Benzo(a)anthracene
Concen: 0.079 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.7	34.1#
229	25.3	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

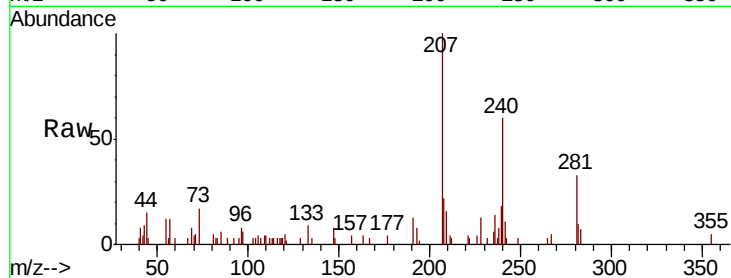




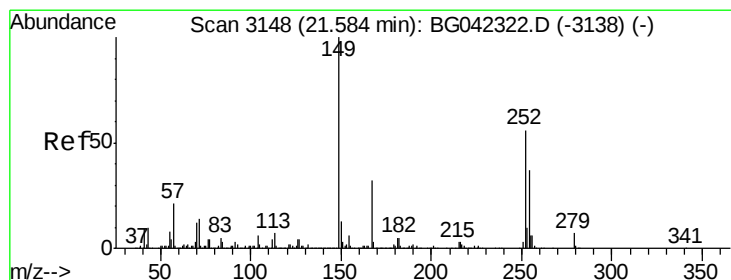
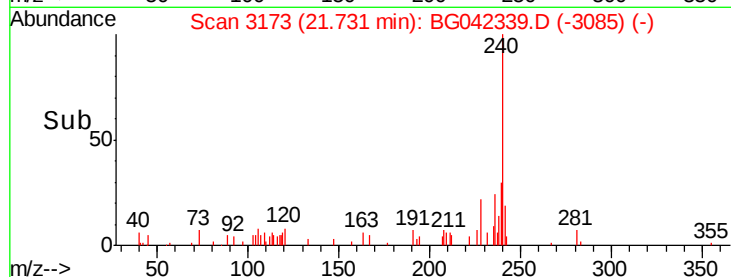
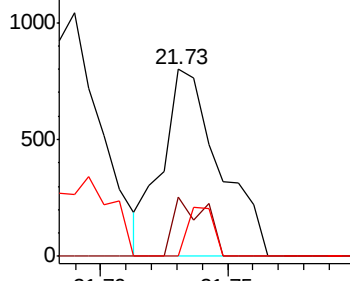
#83
 Chrysene
 Concen: 0.049 ng
 RT: 21.73 min Scan# 3173
 Delta R.T. -0.01 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.6	38.4
229	0.0	17.8	26.6#

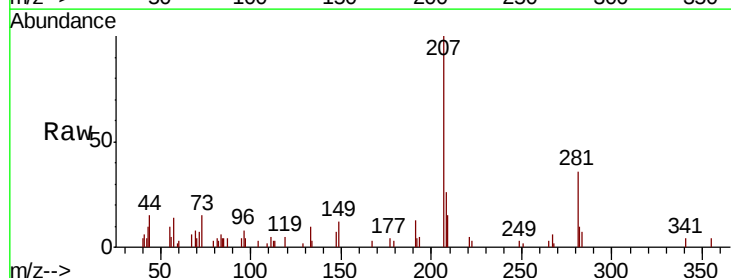


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

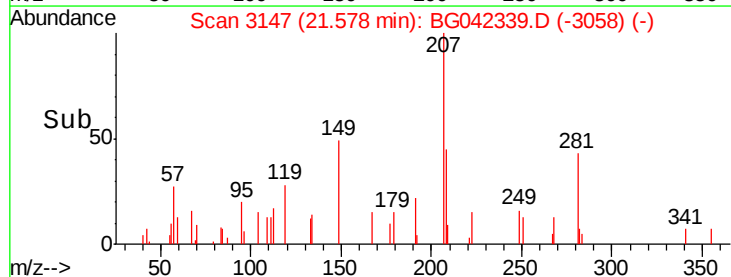
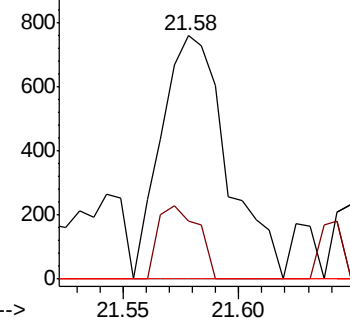


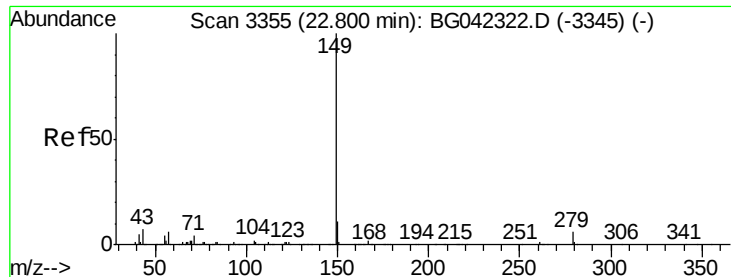
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.103 ng
 RT: 21.58 min Scan# 3147
 Delta R.T. -0.01 min
 Lab File: BG042339.D
 Acq: 19 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.7	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

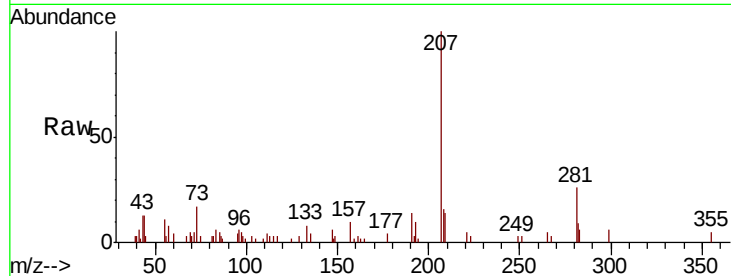




#85
Di-n-octyl phthalate
Concen: 0.008 ng
RT: 22.81 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :

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

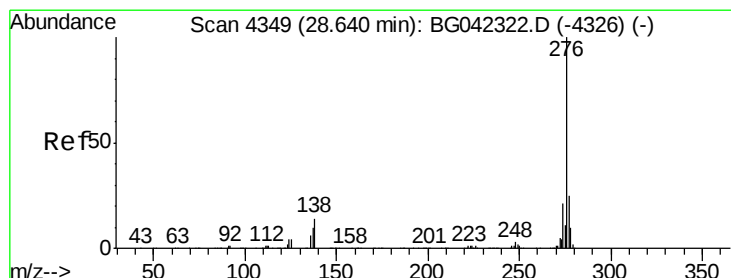
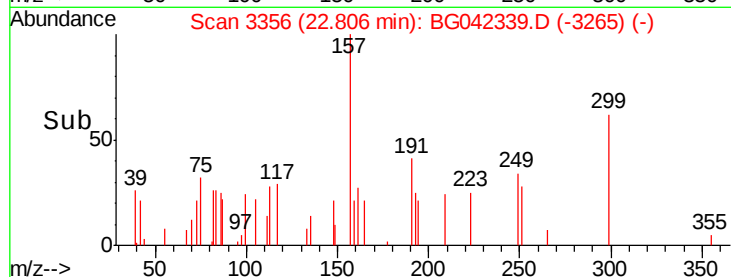
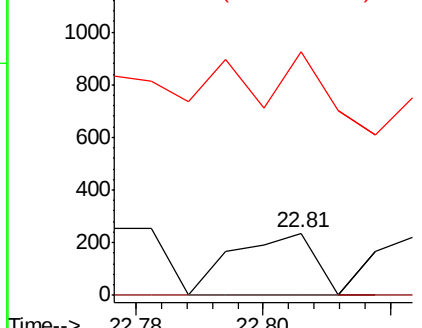


Abundance

Ion 149.00 (148.70 to 149.70): E

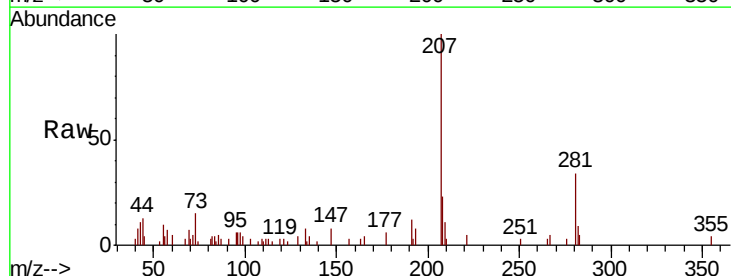
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.005 ng
RT: 28.64 min Scan# 4349
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

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

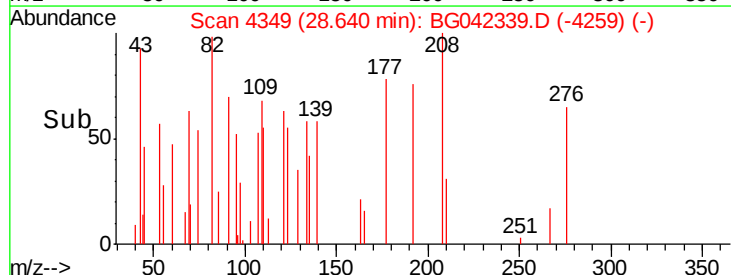
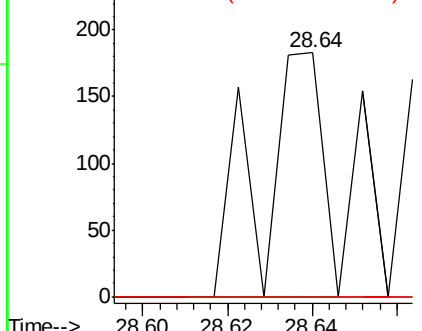


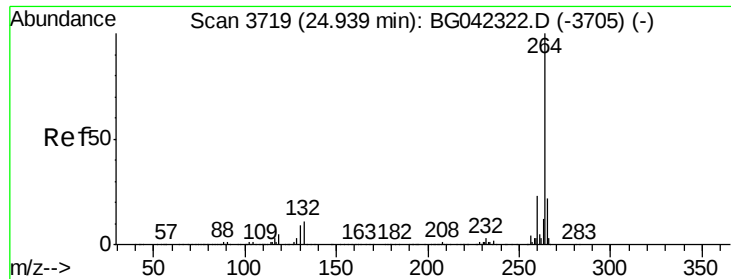
Abundance

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

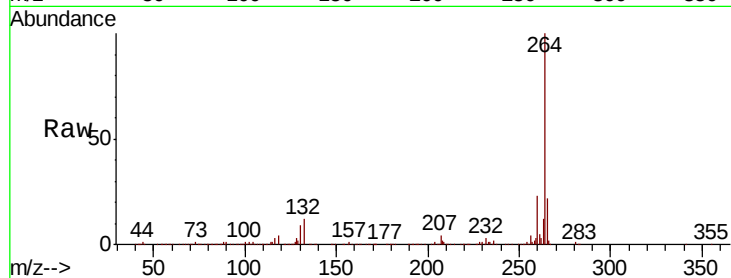
Tot Ion:264 Resp: 515158

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

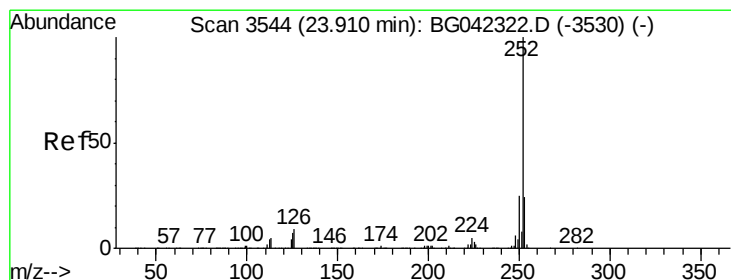
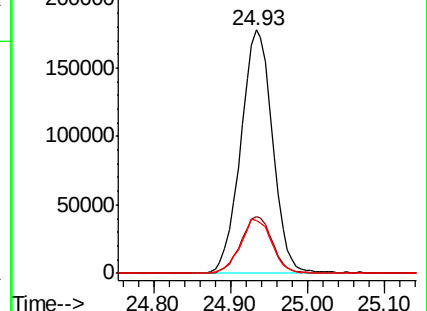
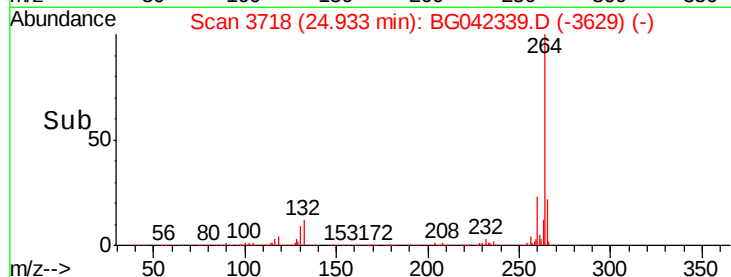
265 21.7 17.4 26.0



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: 0.044 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

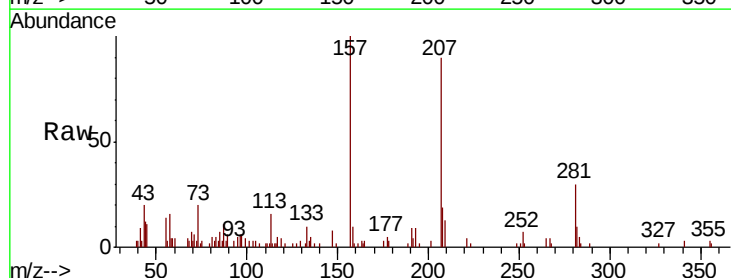
Tgt Ion:252 Resp: 1252

Ion Ratio Lower Upper

252 100

253 34.8 18.9 28.3#

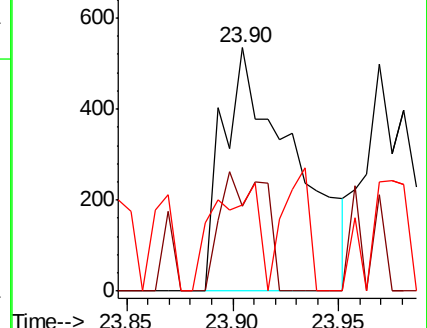
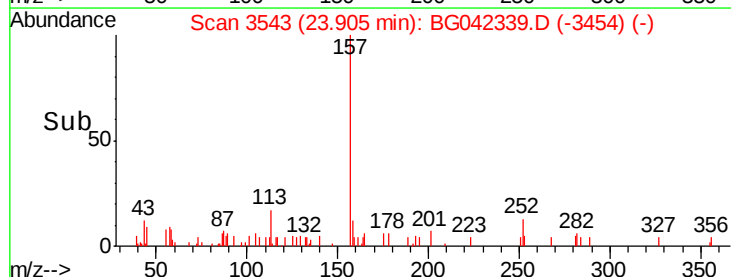
125 35.3 5.8 8.6#

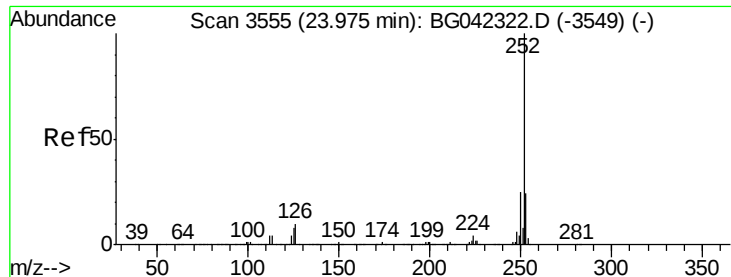


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 23.97 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

Instrument :

BNA_G

ClientSampled :

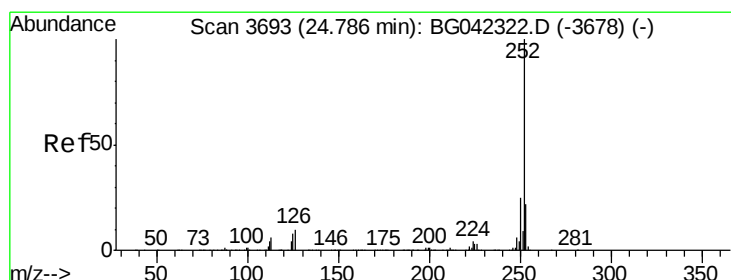
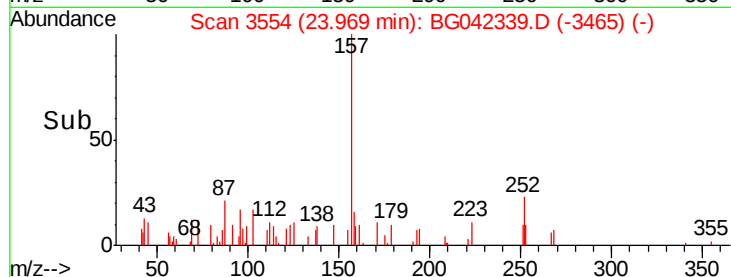
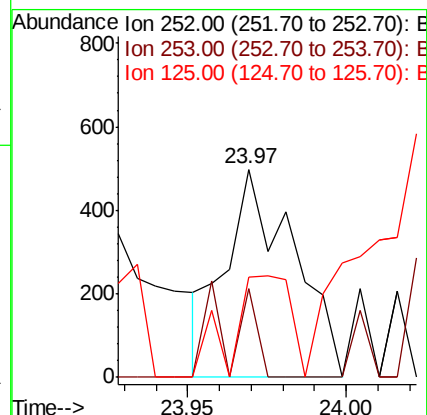
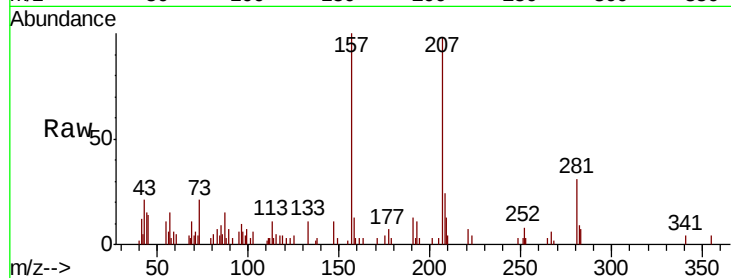
Tot Ion:252 Resp: 743

Ion Ratio Lower Upper

252 100

253 42.8 19.0 28.4#

125 48.2 6.0 9.0#



#90

Benzo(a)pyrene

Concen: 0.031 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG042339.D

Acq: 19 Aug 2019 23:05

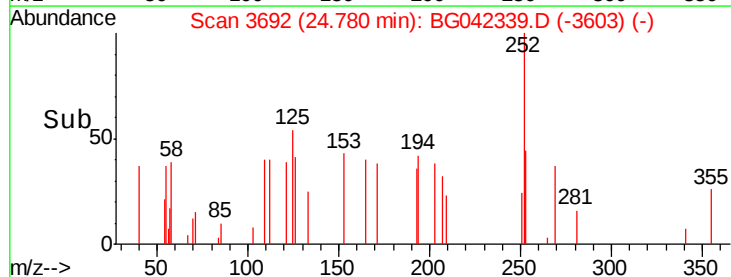
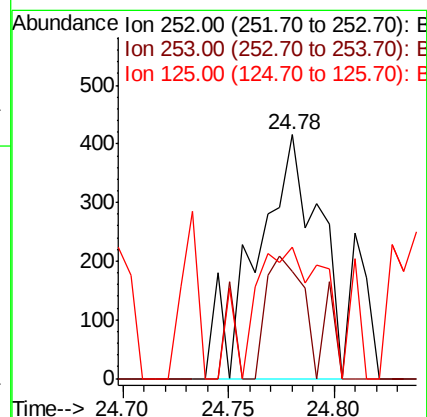
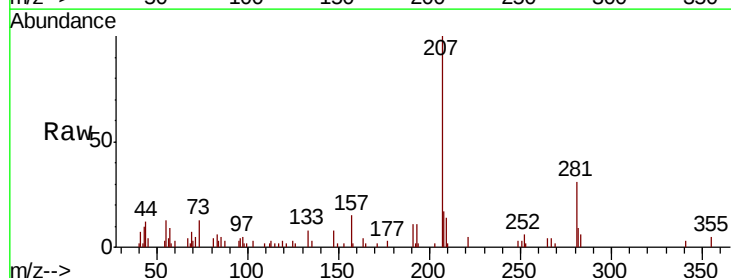
Tgt Ion:252 Resp: 845

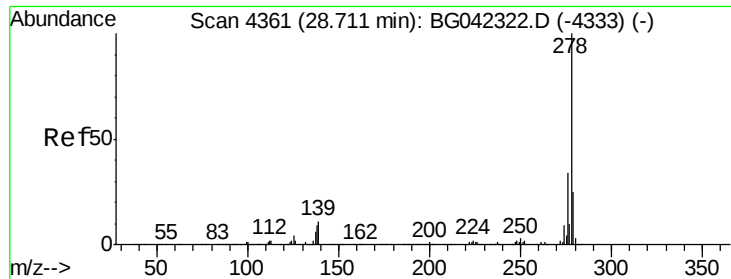
Ion Ratio Lower Upper

252 100

253 44.0 17.9 26.9#

125 53.6 6.7 10.1#

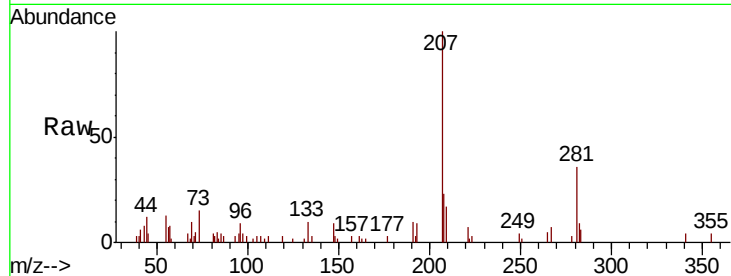




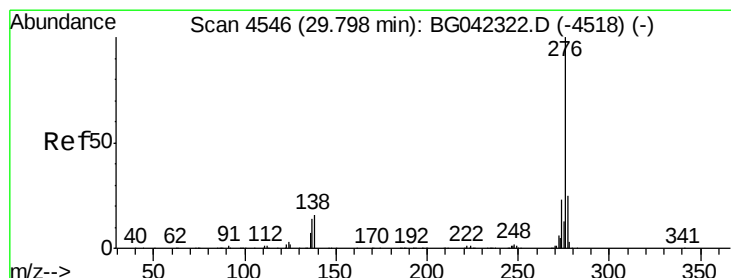
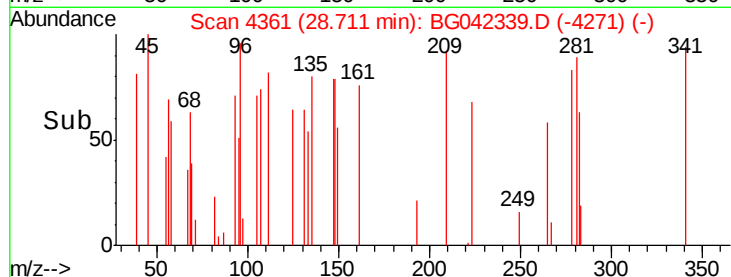
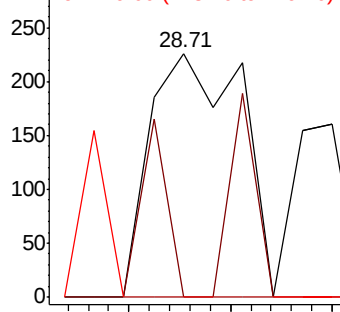
#91
Dibenzo(a,h)anthracene
Concen: 0.010 ng
RT: 28.71 min Scan# 4361
Delta R.T. 0.00 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:278 Resp: 284
Ion Ratio Lower Upper
278 100
139 0.0 8.5 12.7#
279 0.0 19.8 29.8#

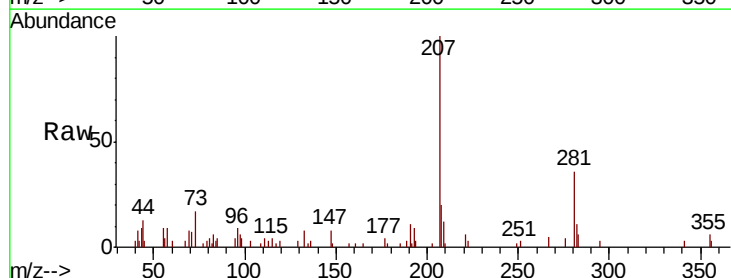


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 0.014 ng
RT: 29.80 min Scan# 4547
Delta R.T. 0.01 min
Lab File: BG042339.D
Acq: 19 Aug 2019 23:05

Tgt Ion:276 Resp: 368
Ion Ratio Lower Upper
276 100
277 0.0 19.8 29.8#
138 0.0 12.8 19.2#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

