

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042342.D
 Acq On : 20 Aug 2019 1:00
 Operator : HP/JU
 Sample : K4238-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:26:53 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	65752	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	254592	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	185009	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	407607	20.00	ng	0.00
76) Chrysene-d12	21.69	240	428854	20.00	ng	0.00
87) Perylene-d12	24.93	264	504236	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	224775	69.26	ng	0.00
7) Phenol-d6	7.17	99	206102	46.76	ng	0.00
23) Nitrobenzene-d5	9.18	82	341758	94.41	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	333532	132.37	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1033870	94.56	ng	0.00
79) Terphenyl-d14	20.03	244	1783291	91.08	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	454	0.324	ng	# 72
4) n-Nitrosodimethylamine	3.74	42	122	0.099	ng	# 1
6) Aniline	7.20	93	163	0.028	ng	# 1
9) Benzaldehyde	7.18	77	234	0.094	ng	# 1
10) Phenol	7.20	94	21006	4.688	ng	# 98
11) bis(2-Chloroethyl)ether	7.54	93	553	0.156	ng	# 1
15) Benzyl Alcohol	8.33	79	5088	1.679	ng	# 41
19) n-Nitroso-di-n-propylamine	9.17	70	43355	15.293	ng	# 73
22) Acetophenone	8.84	105	183	0.034	ng	# 55
24) Nitrobenzene	9.17	77	1025	0.278	ng	# 27
25) Isophorone	9.75	82	203	0.028	ng	# 59
46) 1,1'-Biphenyl	13.50	154	1311	0.109	ng	# 86
48) 2-Nitroaniline	13.28	65	1253	0.515	ng	# 1
50) Dimethylphthalate	14.12	163	15552	1.183	ng	# 95
51) 2,6-Dinitrotoluene	14.66	165	23582	7.664	ng	# 38
52) Acenaphthene	14.66	154	507	0.054	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	23582	5.482	ng	# 36
58) Fluorene	16.16	166	12900	1.032	ng	# 93
60) Diethylphthalate	15.48	149	3286	0.258	ng	# 86
62) 4-Nitroaniline	16.16	138	63	0.020	ng	# 1
63) Azobenzene	16.16	77	1086	0.123	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.16	198	734	0.295	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	9966	0.874	ng	# 45
67) 4-Bromophenyl-phenylether	16.16	248	23857	4.599	ng	# 1
71) Phenanthrene	17.45	178	770	0.038	ng	# 64
72) Anthracene	17.45	178	770	0.038	ng	# 65
73) Carbazole	17.81	167	73	0.004	ng	# 57
74) Di-n-butylphthalate	18.38	149	4236	0.202	ng	# 98
75) Fluoranthene	19.48	202	658	0.027	ng	# 64
77) Benzidine	20.03	184	25018	2.200	ng	# 93
78) Pyrene	19.83	202	979	0.037	ng	# 91
80) Butylbenzylphthalate	20.72	149	610	0.058	ng	# 75
81) Benzo(a)anthracene	21.69	228	2479	0.094	ng	# 79
82) 3,3'-Dichlorobenzidine	21.52	252	57	0.005	ng	# 23

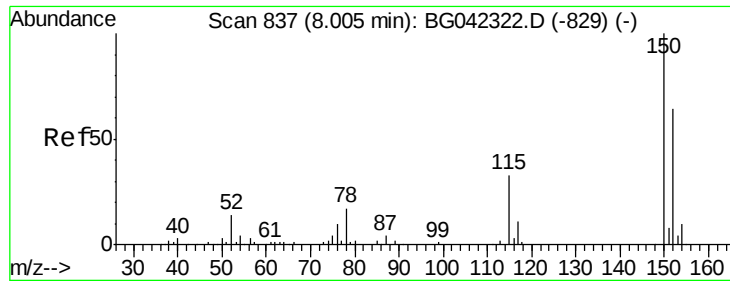
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
Data File : BG042342.D
Acq On : 20 Aug 2019 1:00
Operator : HP/JU
Sample : K4238-09
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QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	21.69	228	2479	0.098	nq	# 77
84) Bis(2-ethylhexyl)phthalate	21.57	149	2452	0.168	nq	# 96
85) Di-n-octyl phthalate	22.80	149	478	0.019	nq	# 83
86) Indeno(1,2,3-cd)pyrene	28.63	276	415	0.012	nq	# 66
88) Benzo(b)fluoranthene	23.91	252	848	0.031	nq	# 64
89) Benzo(k)fluoranthene	23.98	252	286	0.011	nq	# 58
90) Benzo(a)pyrene	24.79	252	936	0.035	nq	# 22
91) Dibenzo(a,h)anthracene	28.72	278	59	0.002	nq	# 57
92) Benzo(a,h,i)perylene	29.80	276	977	0.037	nq	# 55

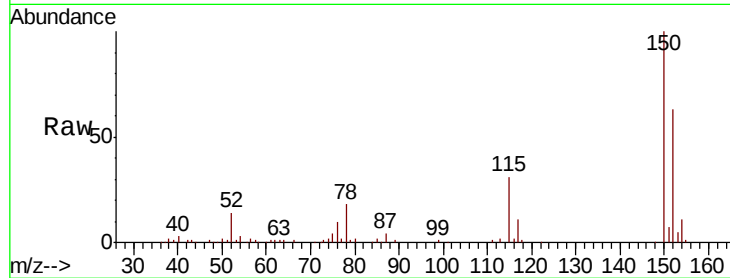
(#) = qualifier out of range (m) = manual integration (+) = signals summed



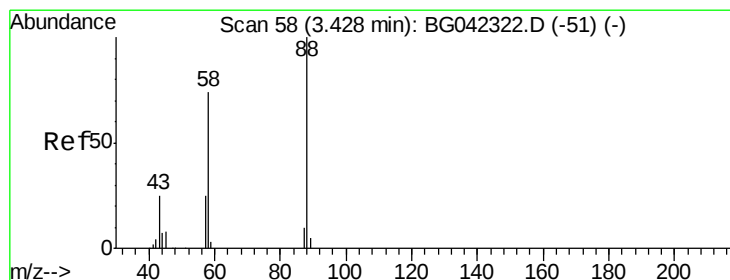
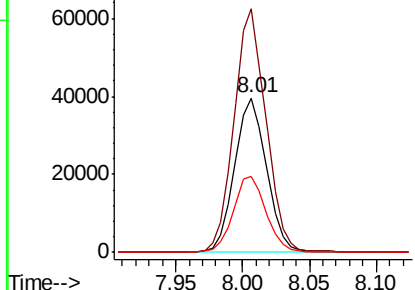
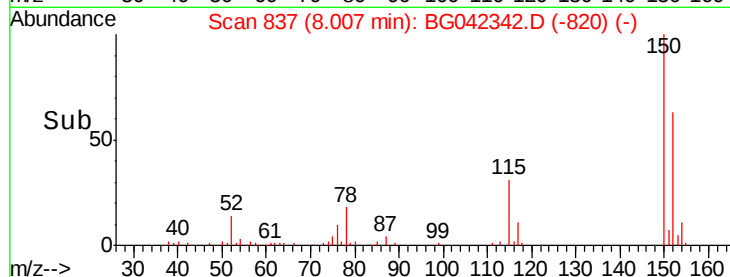
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:152 Resp: 65752
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.3 186.5
 115 48.9 40.5 60.7

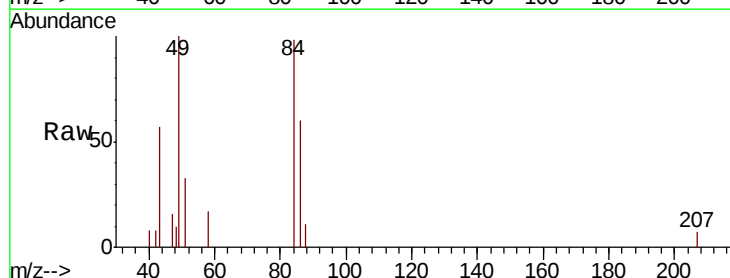


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

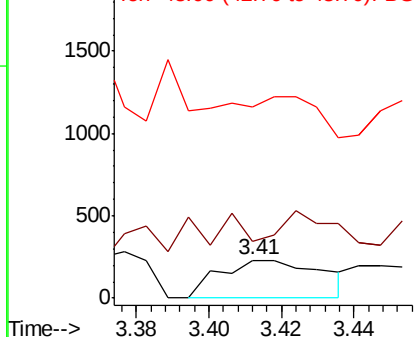
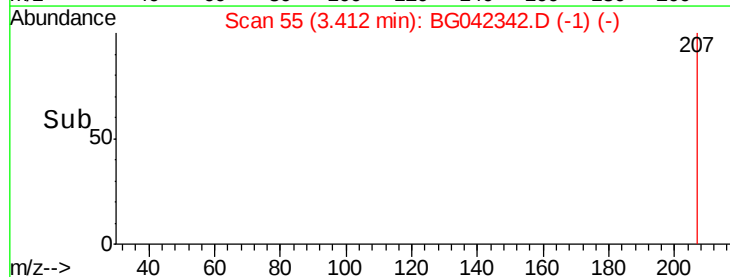


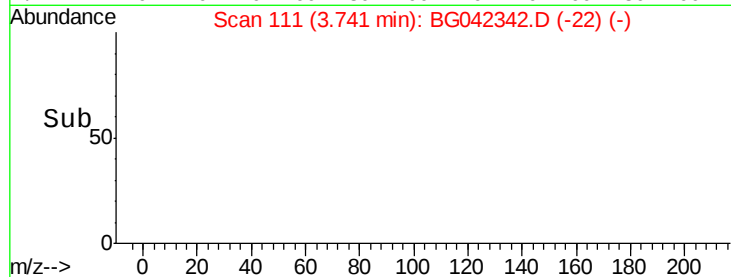
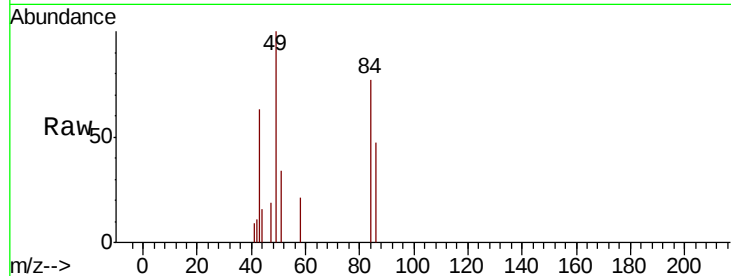
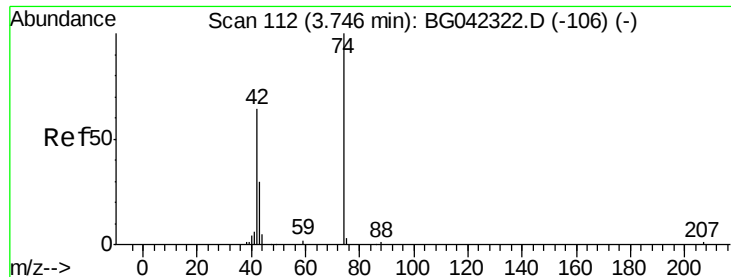
#2
 1,4-Dioxane
 Concen: 0.324 ng
 RT: 3.41 min Scan# 55
 Delta R.T. -0.02 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion: 88 Resp: 454
 Ion Ratio Lower Upper
 88 100
 58 55.7 58.6 88.0#
 43 0.0 19.4 29.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
 Ion 58.00 (57.70 to 58.70): BGC
 Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.099 ng

RT: 3.74 min Scan# 111

Delta R.T. -0.00 min

Lab File: BG042342.D

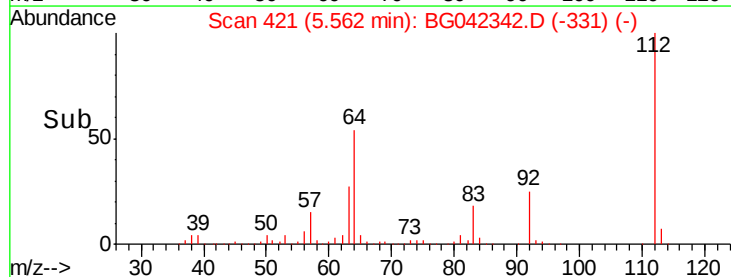
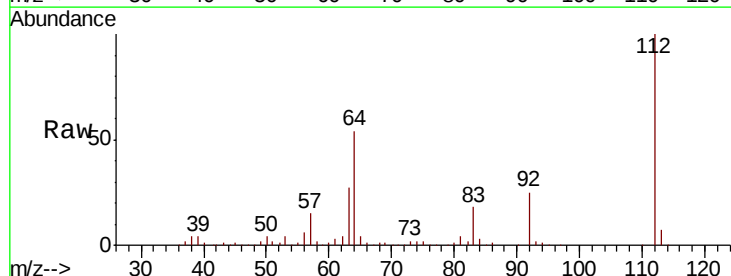
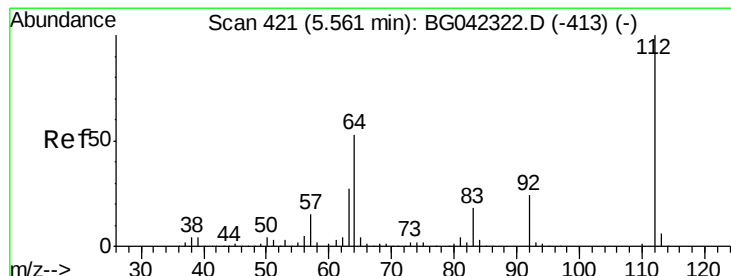
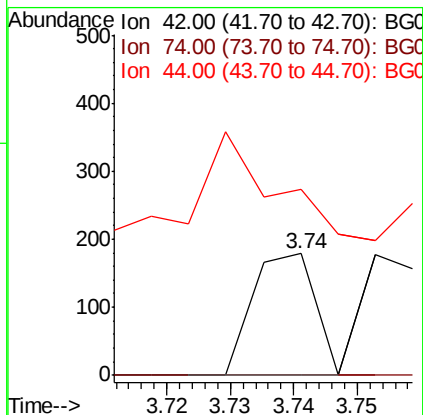
Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampled :

Tot Ion:	42	Resp:	122
Ion	Ratio	Lower	Upper
42	100		
74	0.0	124.2	186.2#
44	152.5	6.5	9.7#



#5

2-Fluorophenol

Concen: 69.263 ng

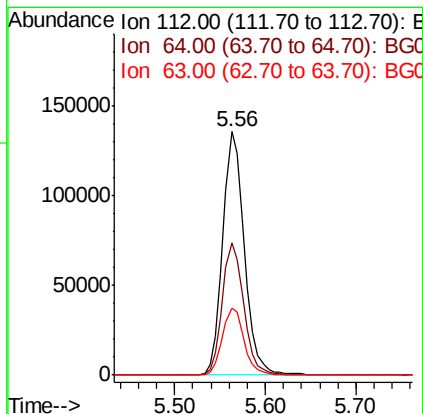
RT: 5.56 min Scan# 421

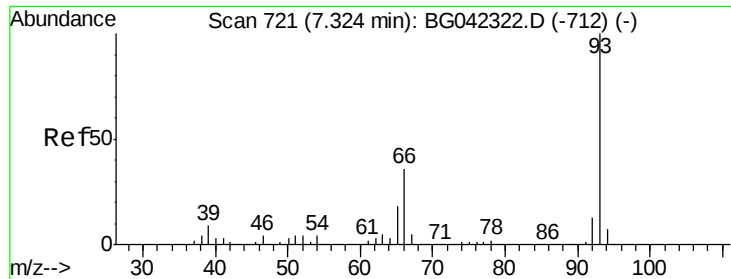
Delta R.T. 0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Tgt Ion:	112	Resp:	224775
Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.5	63.7
63	27.4	21.7	32.5





#6

Aniline

Concen: 0.028 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.12 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampleId :

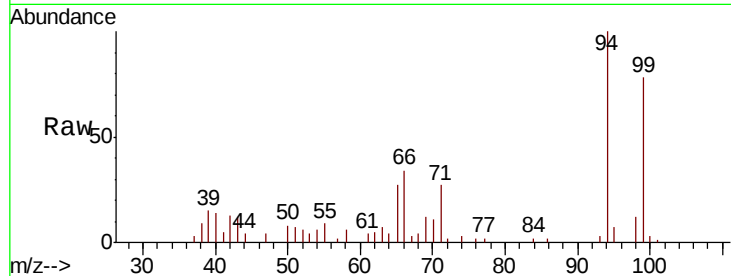
Tot Ion: 93 Resp: 163

Ion Ratio Lower Upper

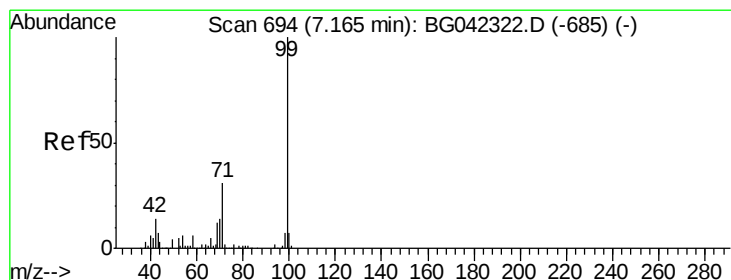
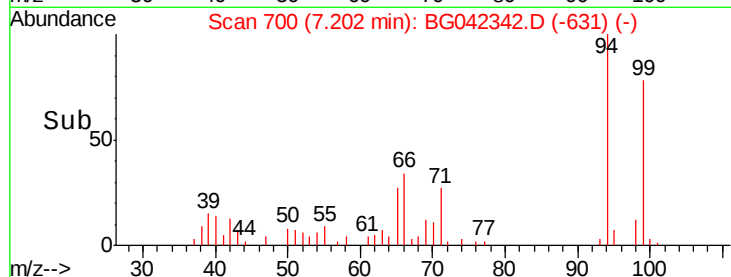
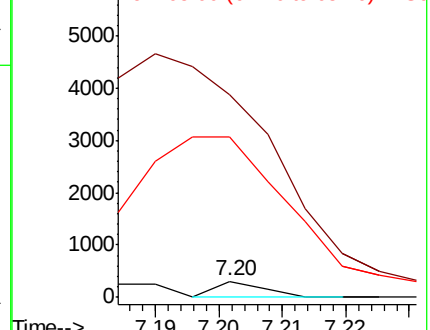
93 100

66 1252.6 29.1 43.7#

65 989.0 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: 46.762 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

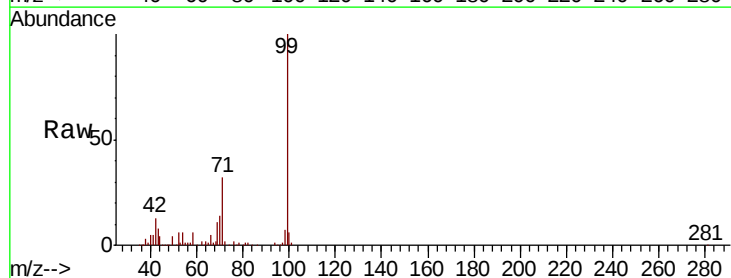
Tgt Ion: 99 Resp: 206102

Ion Ratio Lower Upper

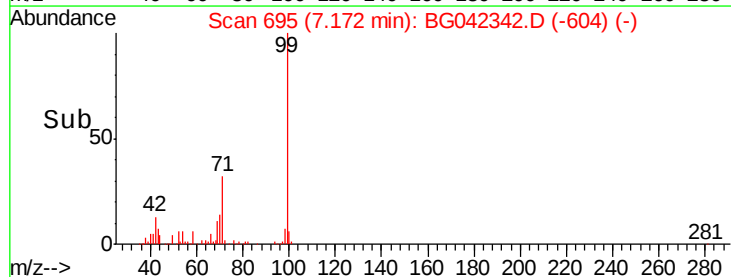
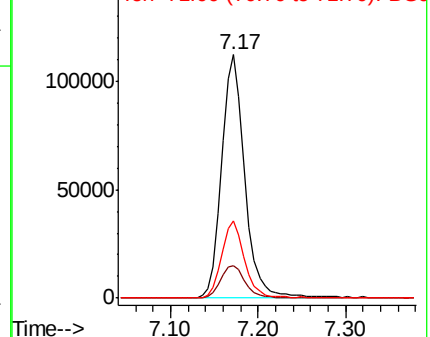
99 100

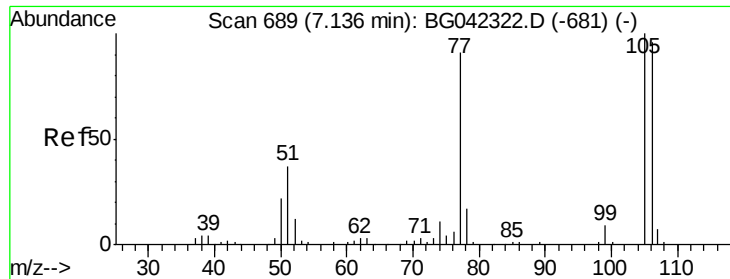
42 13.4 11.4 17.0

71 31.7 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: 0.094 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.04 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampled :

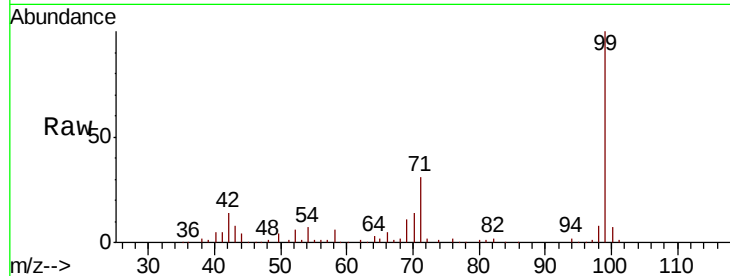
Tot Ion: 77 Resp: 234

Ion Ratio Lower Upper

77 100

105 0.0 89.8 129.8#

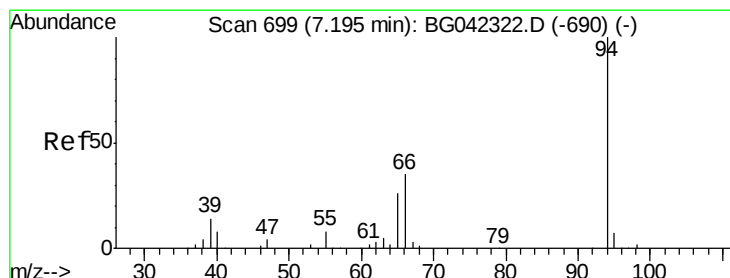
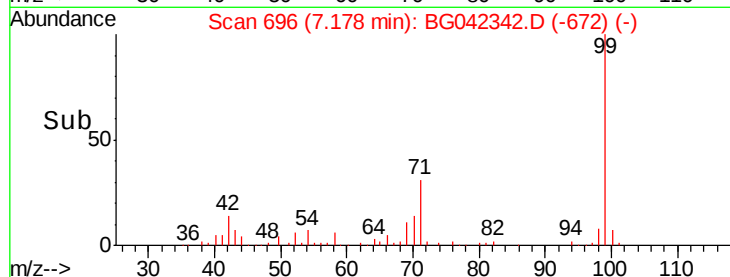
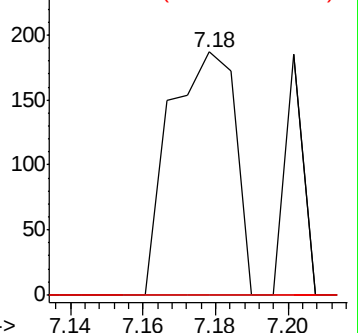
106 0.0 85.1 125.1#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 4.688 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

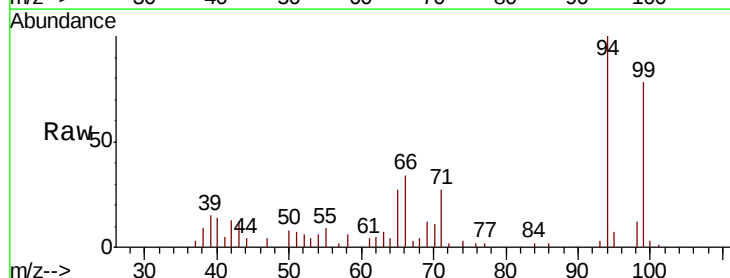
Tgt Ion: 94 Resp: 21006

Ion Ratio Lower Upper

94 100

65 26.7 6.1 46.1

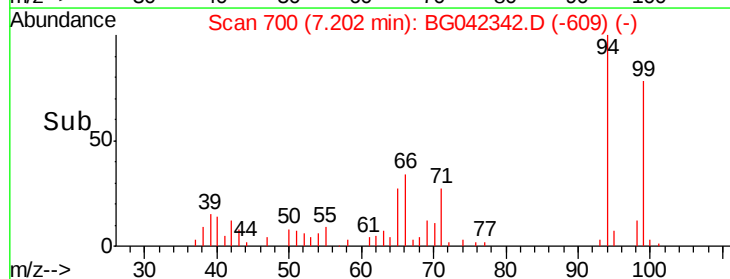
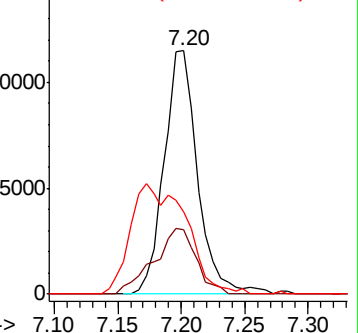
66 33.8 15.7 55.7

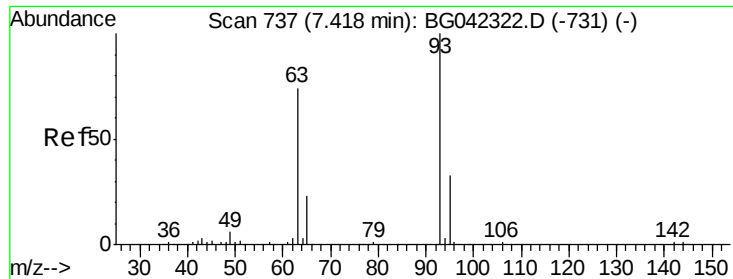


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

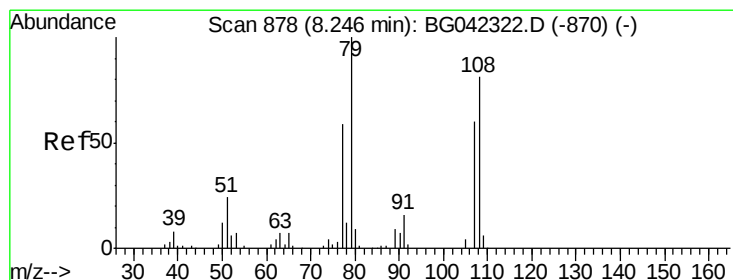
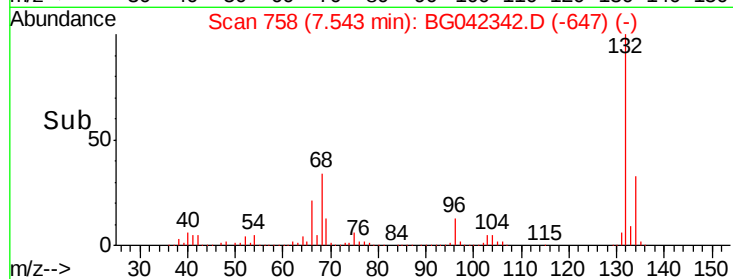
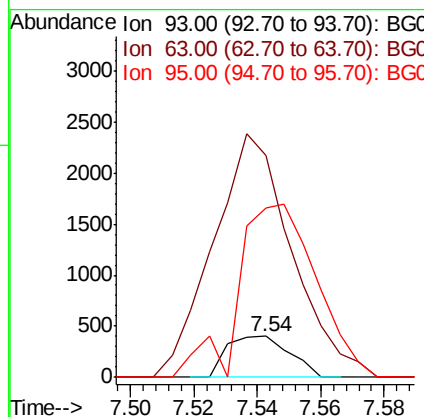
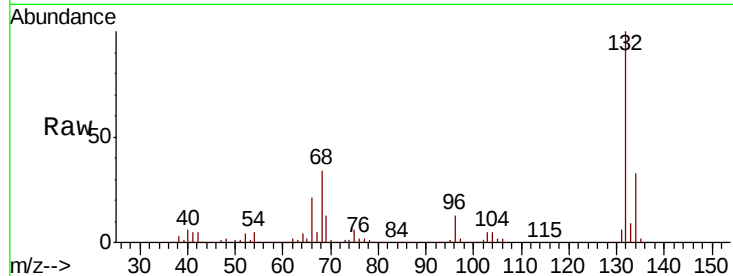




#11
bis(2-Chloroethyl)ether
Concen: 0.156 ng
RT: 7.54 min Scan# 758
Delta R.T. 0.12 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

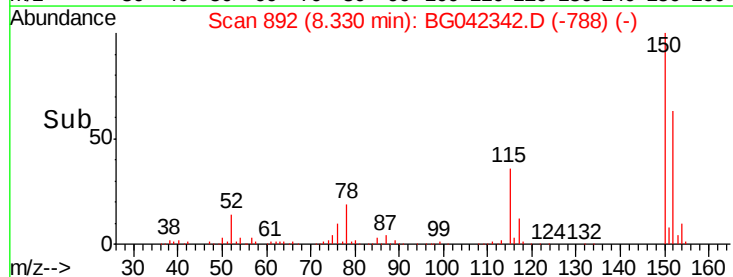
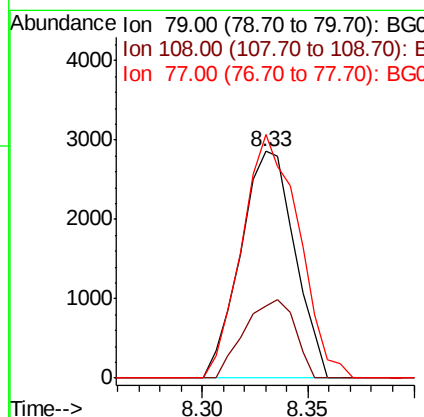
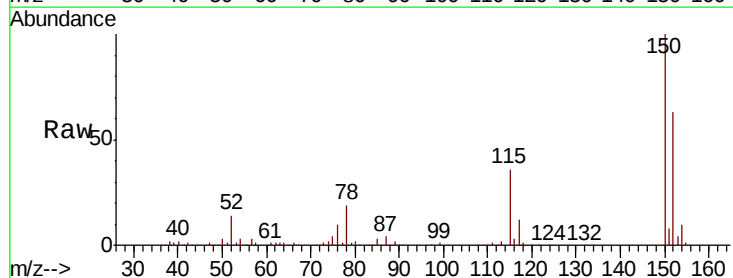
Instrument :
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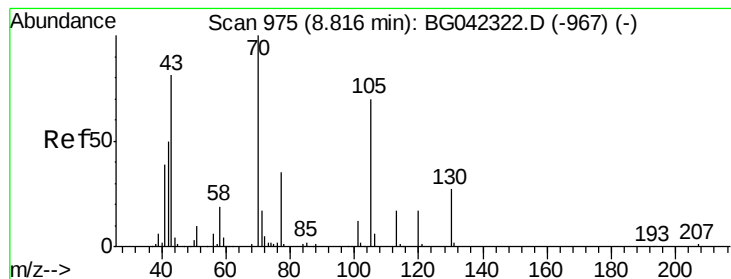
Tot Ion	Ratio	Lower	Upper
93	100		
63	542.8	53.0	93.0#
95	414.3	13.0	53.0#



#15
Benzyl Alcohol
Concen: 1.679 ng
RT: 8.33 min Scan# 892
Delta R.T. 0.08 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion	Ratio	Lower	Upper
79	100		
108	31.8	64.8	97.2#
77	107.6	47.6	71.4#





#19

n-Nitroso-di-n-propylamine

Concen: 15.293 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.35 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 43355

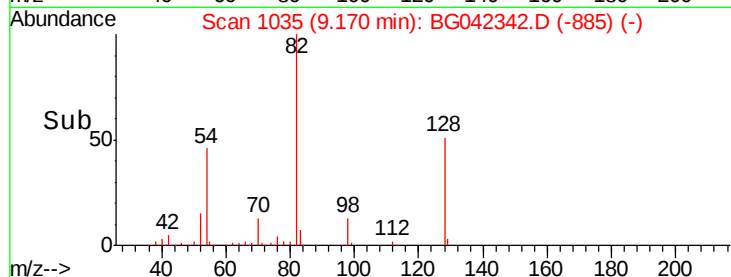
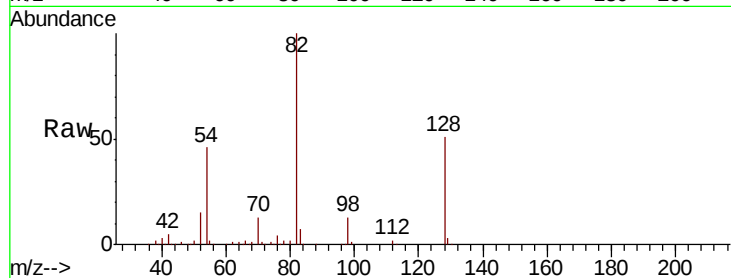
Ion Ratio Lower Upper

70 100

42 40.7 40.5 60.7

101 0.0 9.3 13.9#

130 2.3 22.0 33.0#

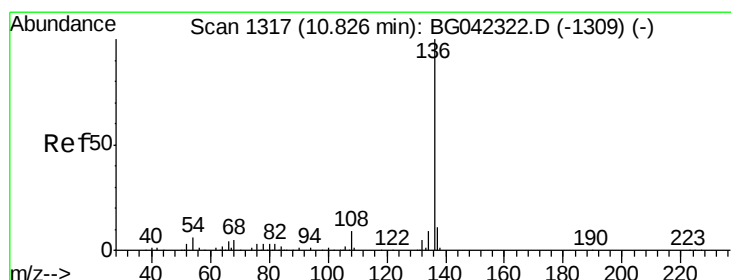
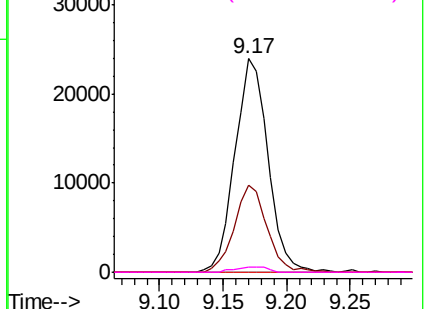


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Tgt Ion: 136 Resp: 254592

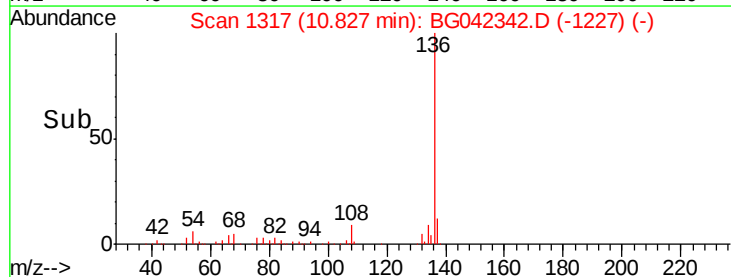
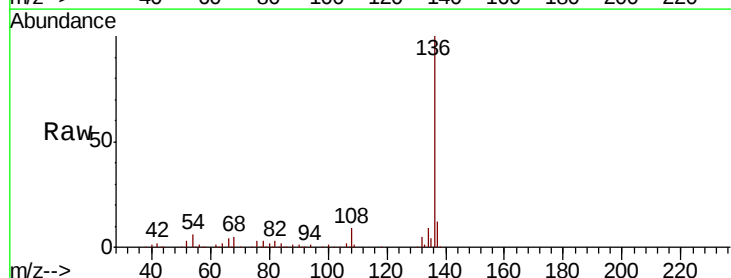
Ion Ratio Lower Upper

136 100

137 11.7 8.4 12.6

54 6.4 5.0 7.4

68 4.8 3.8 5.8

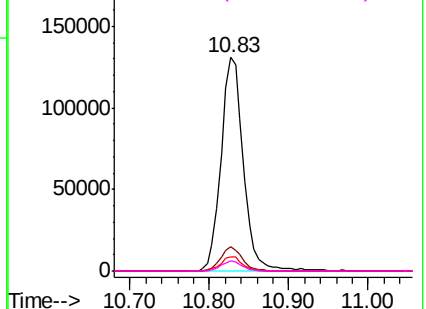


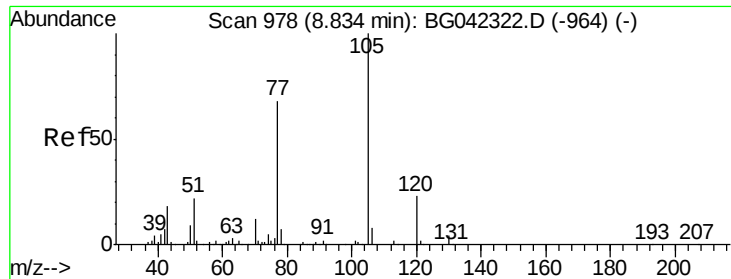
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

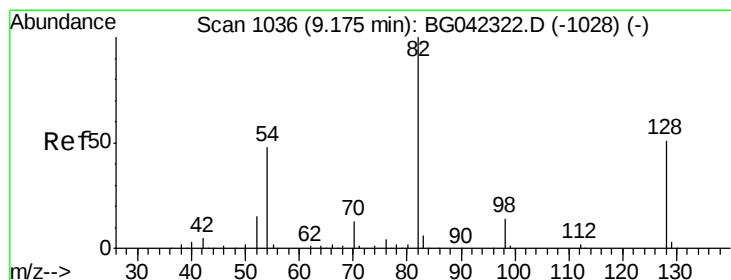
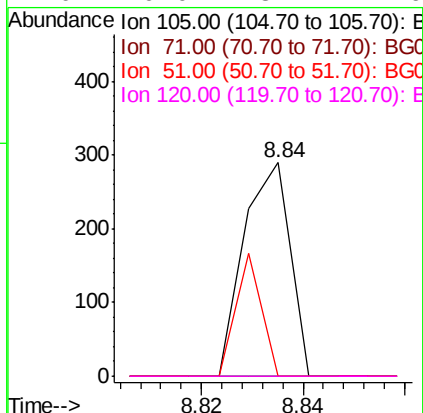
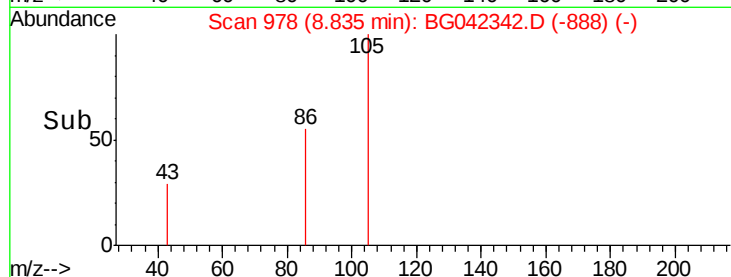
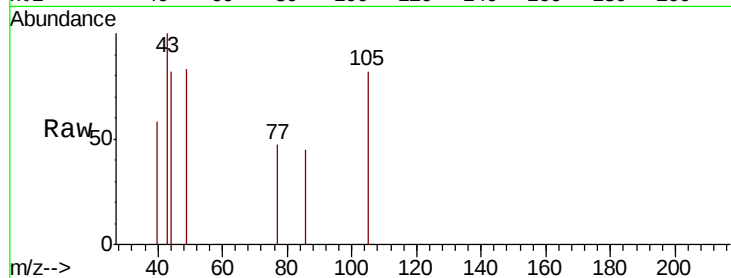




#22
Acetophenone
Concen: 0.034 ng
RT: 8.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

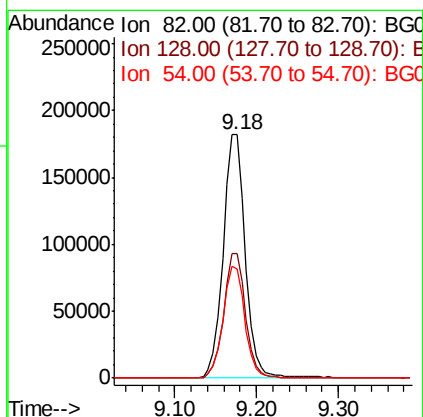
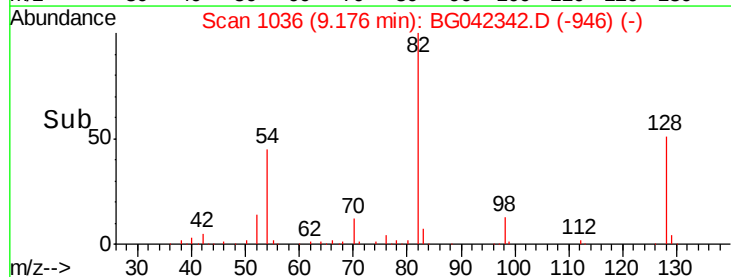
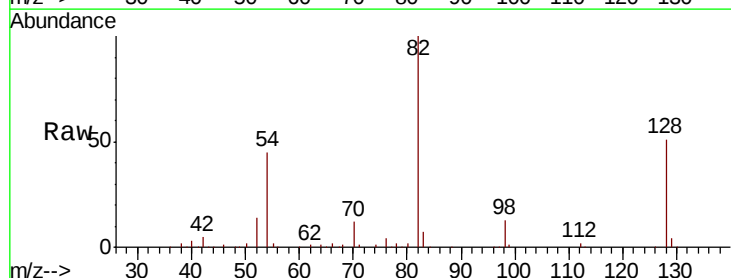
Instrument :
BNA_G
ClientSampleId :

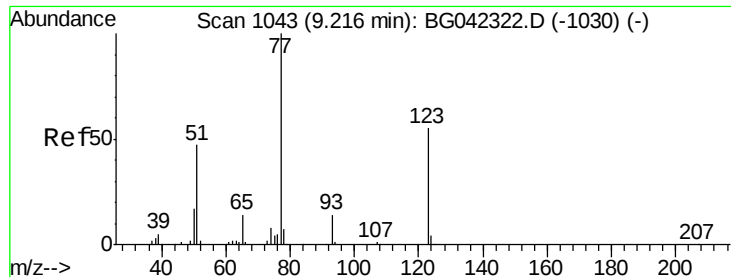
Tot Ion:	105	Resp:	183
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.8	2.8#
51	0.0	17.5	26.3#
120	0.0	18.4	27.6#



#23
Nitrobenzene-d5
Concen: 94.413 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:	82	Resp:	341758
Ion	Ratio	Lower	Upper
82	100		
128	51.0	41.0	61.4
54	45.0	38.0	57.0

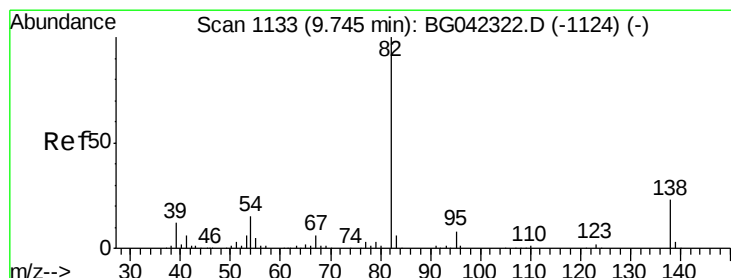
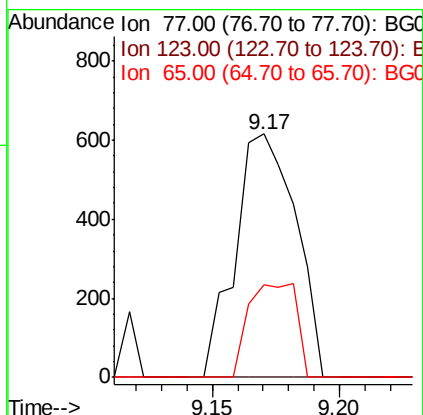
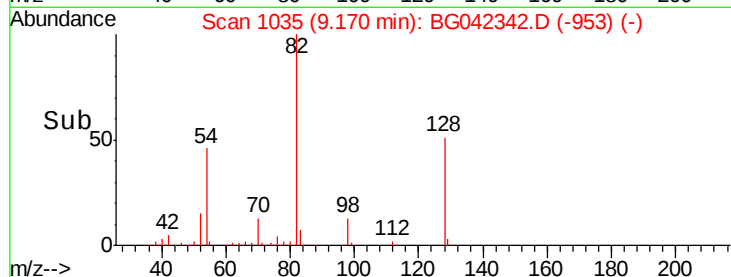
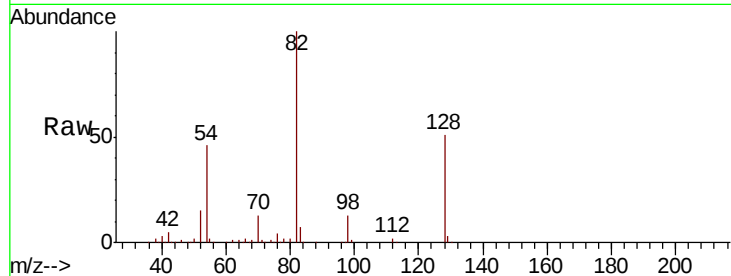




#24
Nitrobenzene
Concen: 0.278 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.05 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

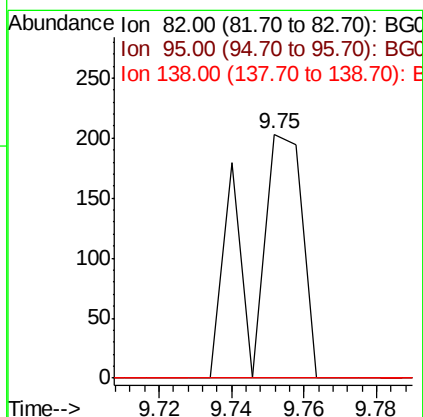
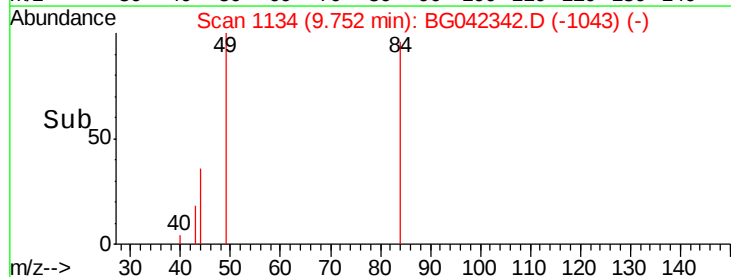
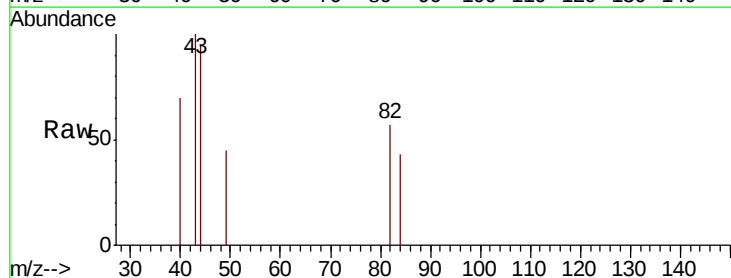
Instrument :
BNA_G
ClientSampled :

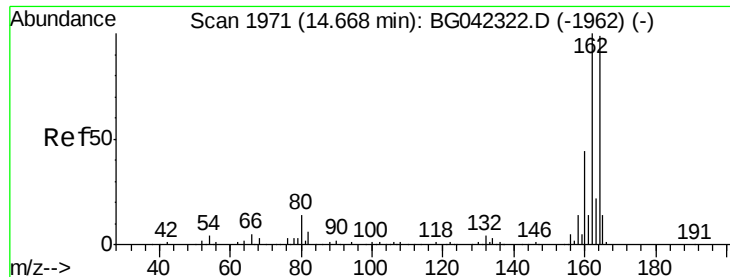
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	43.7	65.5#
65	38.3	10.9	16.3#



#25
Isophorone
Concen: 0.028 ng
RT: 9.75 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt 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. -0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampleId :

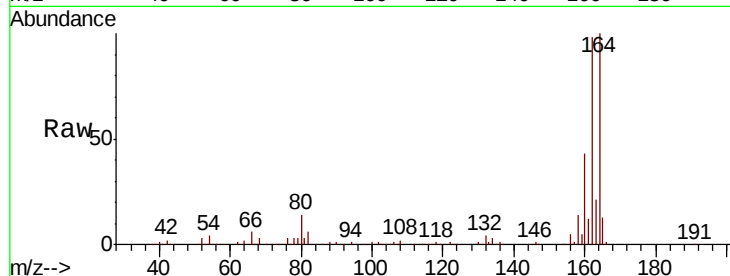
Tot Ion:164 Resp: 185009

Ion Ratio Lower Upper

164 100

162 98.3 80.6 120.8

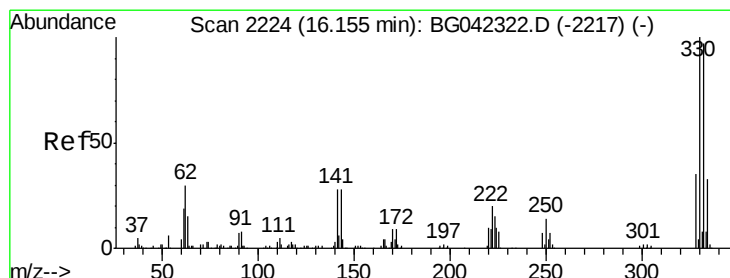
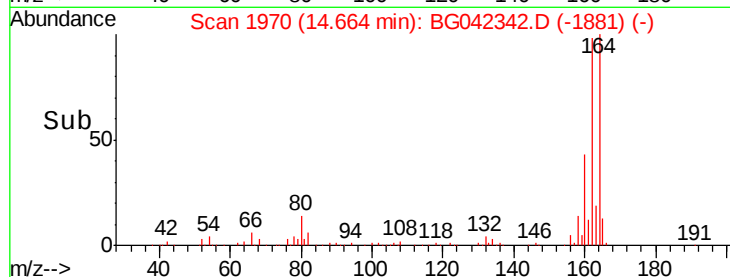
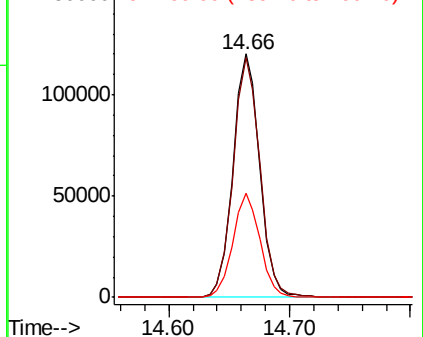
160 42.8 35.7 53.5



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: 132.365 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

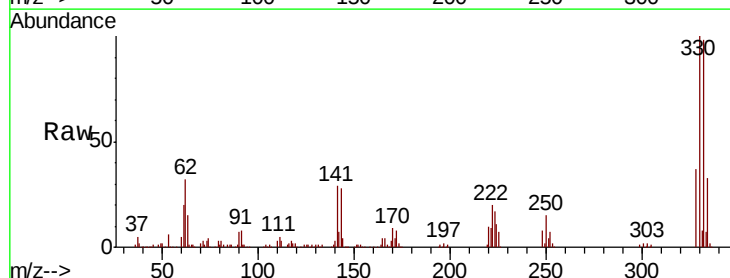
Tgt Ion:330 Resp: 333532

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

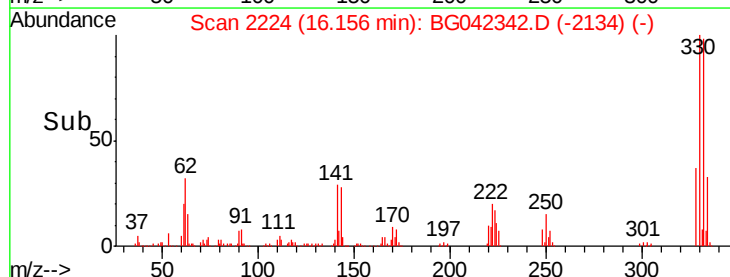
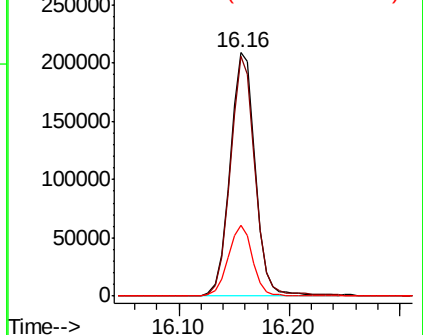
141 28.2 21.8 32.6

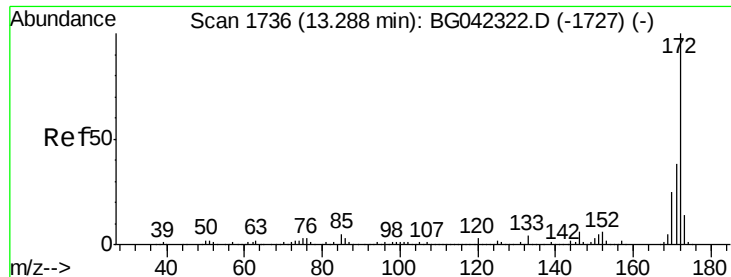


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



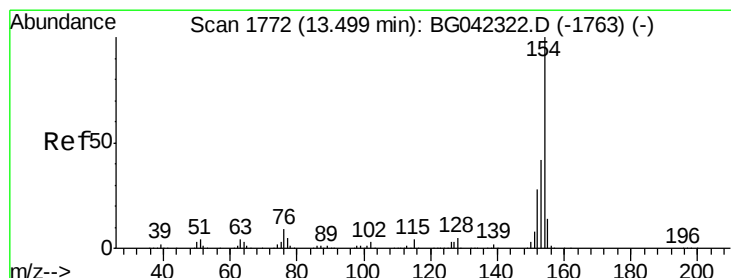
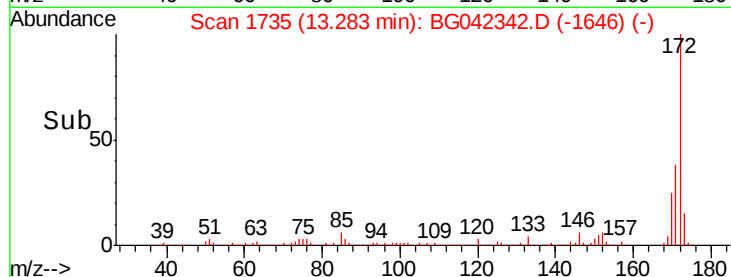
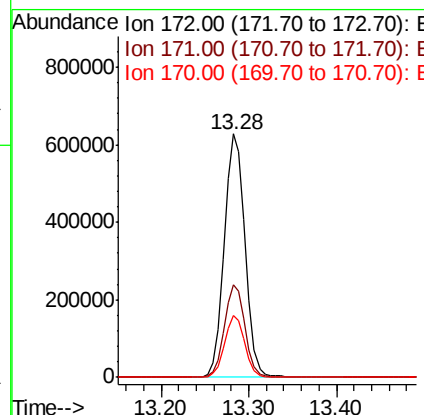
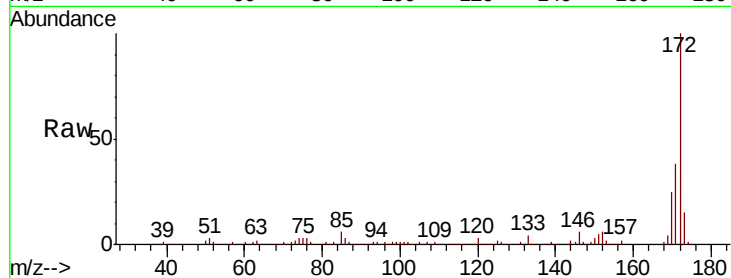


#45
 2-Fluorobiphenyl
 Concen: 94.561 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1033870

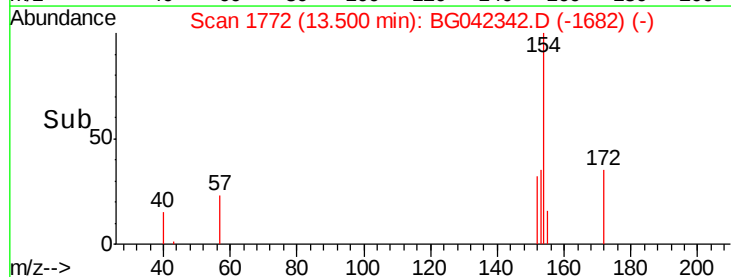
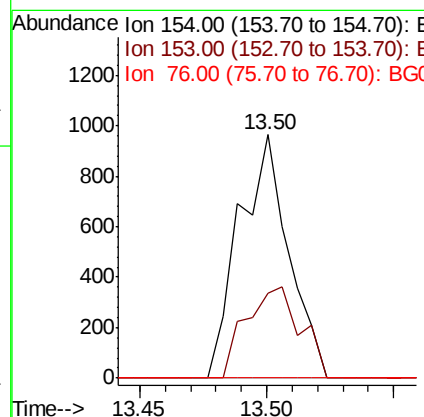
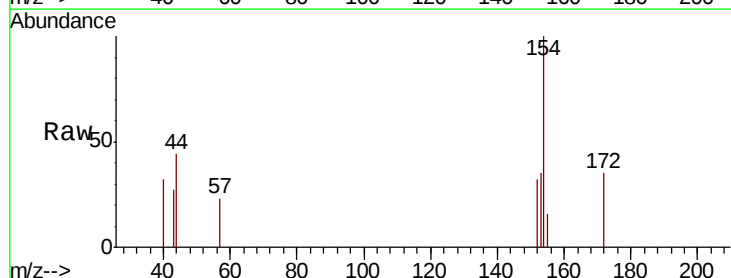
Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.3	45.5
170	25.4	20.0	30.0

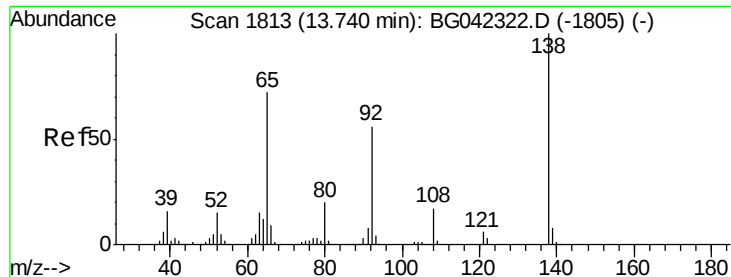


#46
 1,1'-Biphenyl
 Concen: 0.109 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion:154 Resp: 1311

Ion	Ratio	Lower	Upper
154	100		
153	34.6	21.9	61.9
76	0.0	0.0	29.3

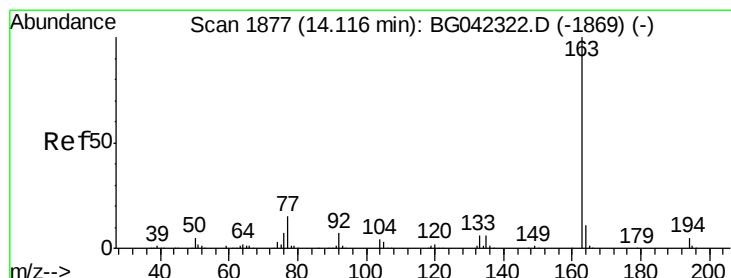
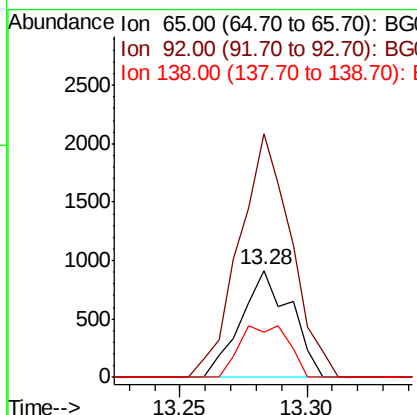
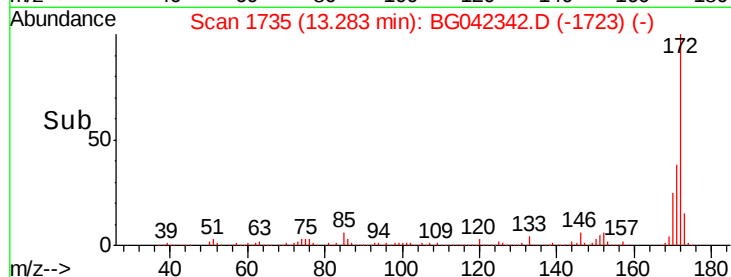
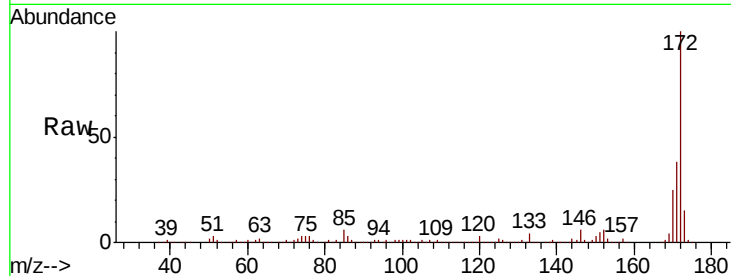




#48
 2-Nitroaniline
 Concen: 0.515 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.46 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

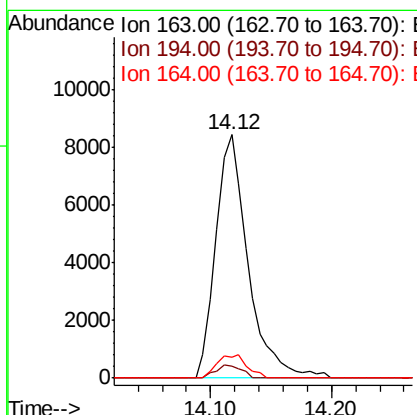
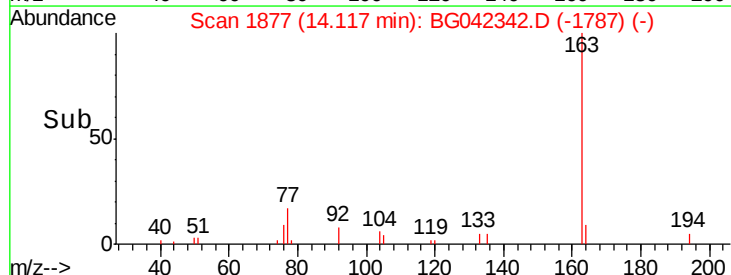
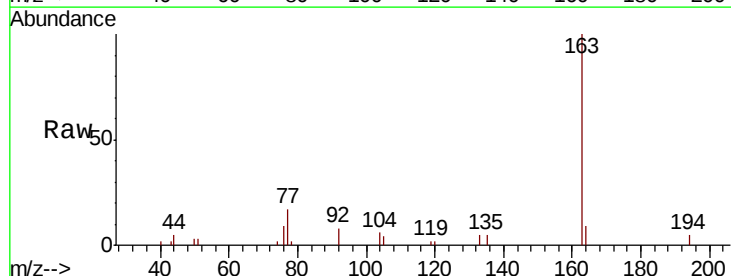
Instrument :
 BNA_G
 ClientSampleId :

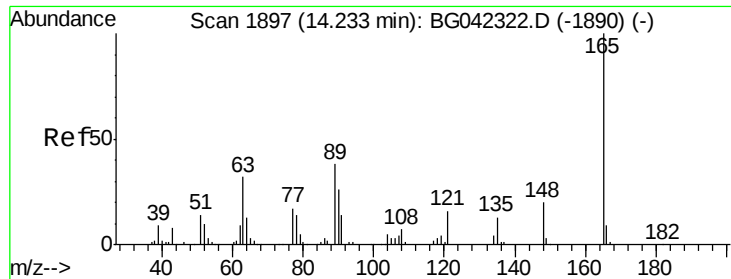
Tot Ion: 65 Resp: 1253
 Ion Ratio Lower Upper
 65 100
 92 227.9 62.6 94.0#
 138 42.7 111.5 167.3#



#50
 Dimethylphthalate
 Concen: 1.183 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion:163 Resp: 15552
 Ion Ratio Lower Upper
 163 100
 194 4.9 4.2 6.2
 164 8.6 8.8 13.2#

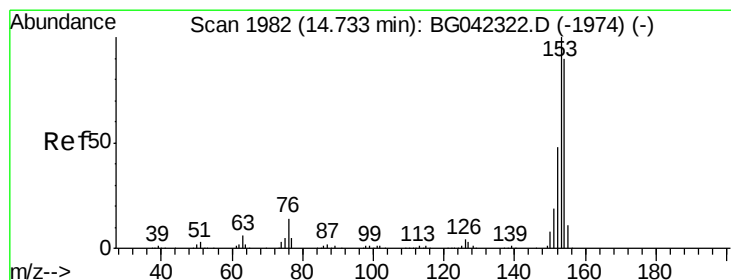
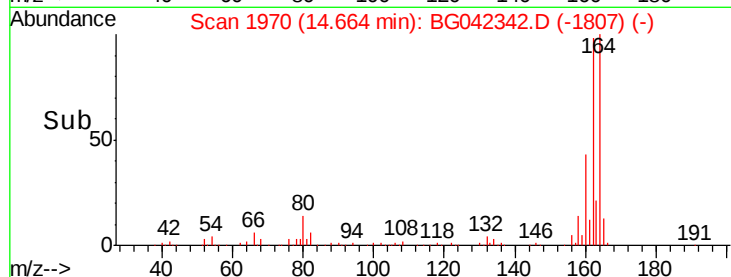
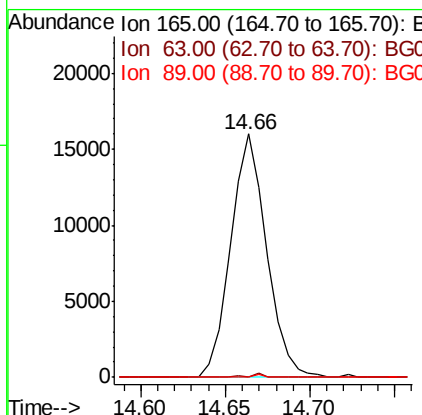
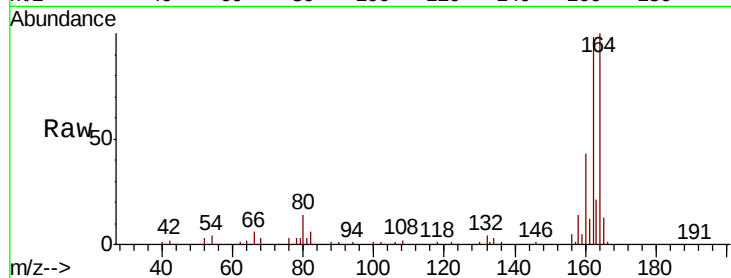




#51
 2,6-Dinitrotoluene
 Concen: 7.664 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. 0.43 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

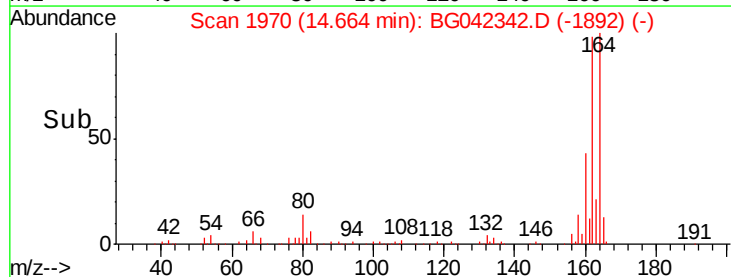
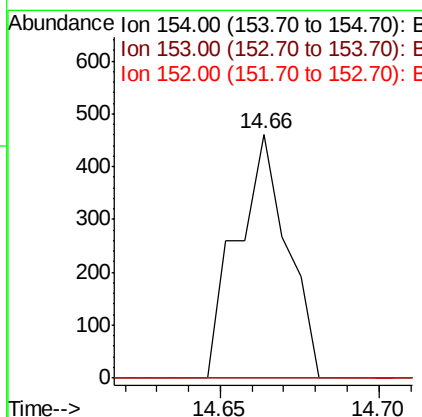
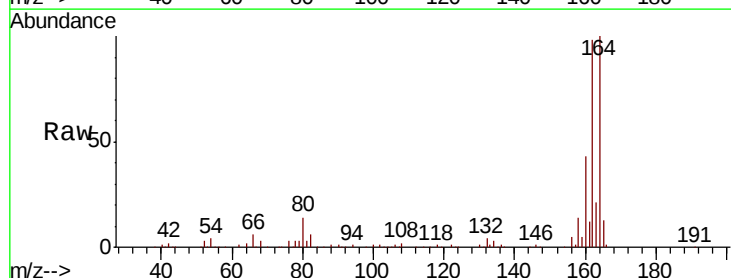
Instrument :
 BNA_G
 ClientSampleId :

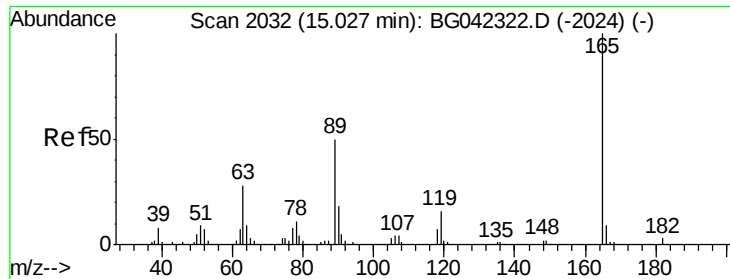
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.2	42.2#
89	0.0	30.0	45.0#



#52
 Acenaphthene
 Concen: 0.054 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.07 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	89.4	134.0#
152	0.0	43.1	64.7#

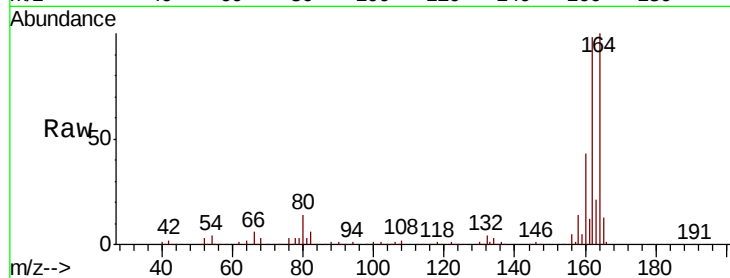




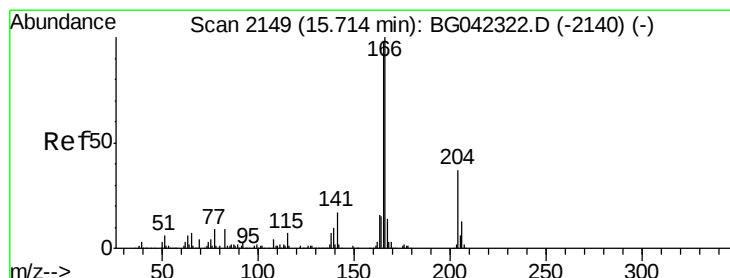
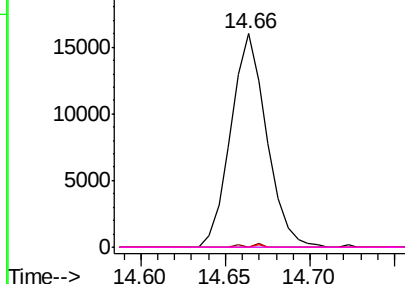
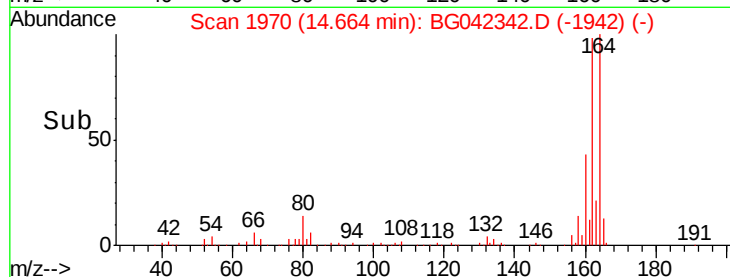
#57
 2,4-Dinitrotoluene
 Concen: 5.482 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

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#

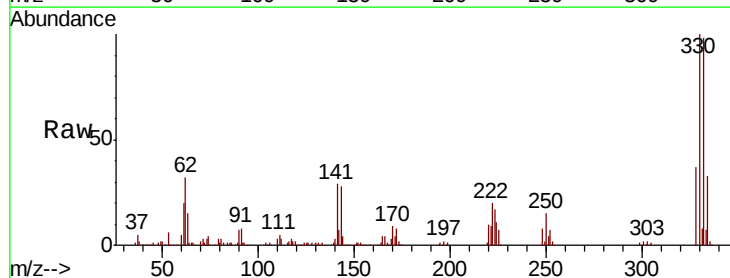


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

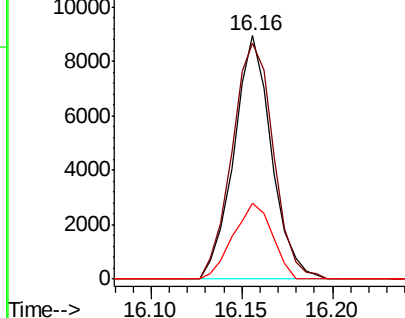
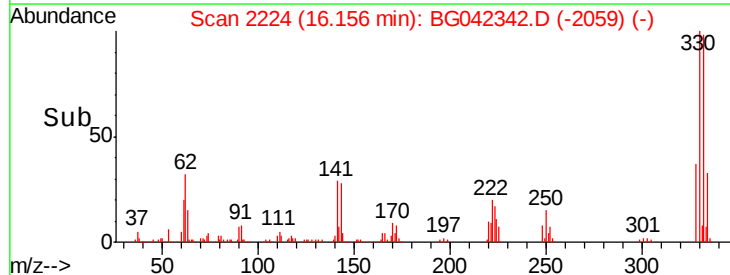


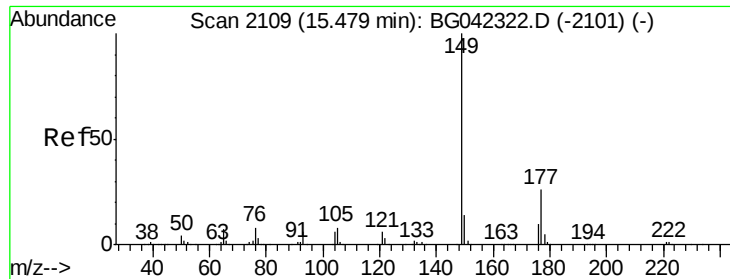
#58
 Fluorene
 Concen: 1.032 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.44 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.7	118.1
167	31.4	11.1	16.7#



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

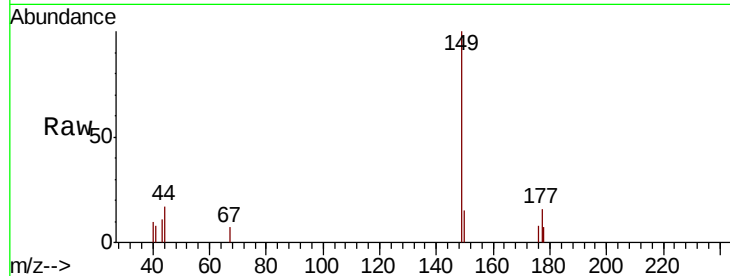




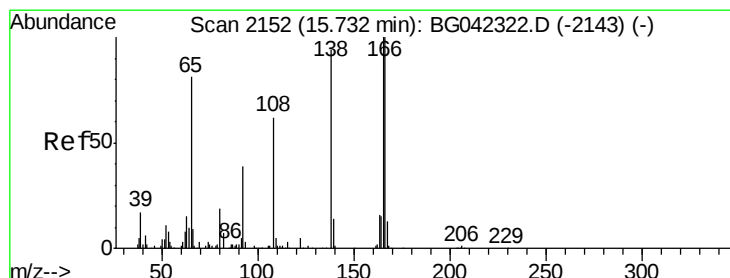
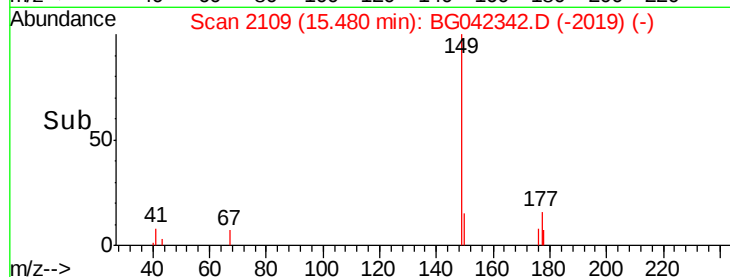
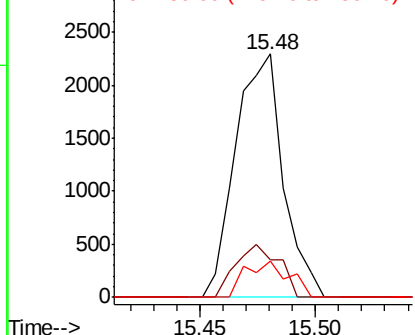
#60
Diethylphthalate
Concen: 0.258 ng
RT: 15.48 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 3286
Ion Ratio Lower Upper
149 100
177 15.5 20.7 31.1#
150 15.0 11.0 16.4

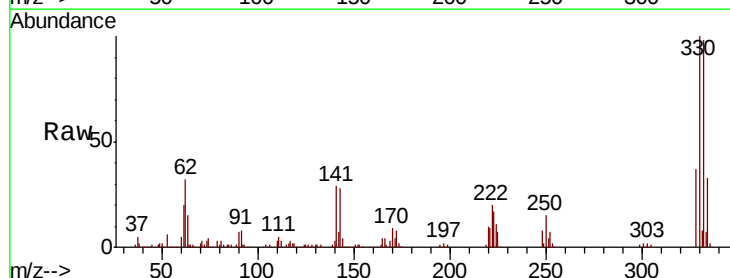


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

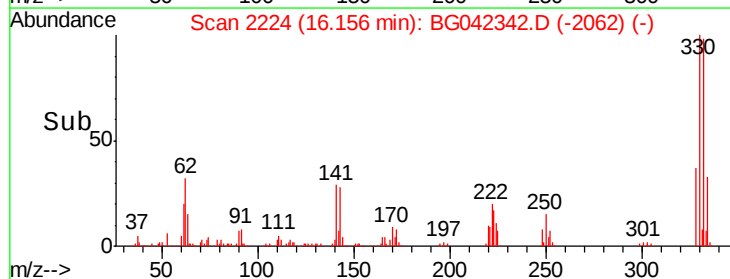
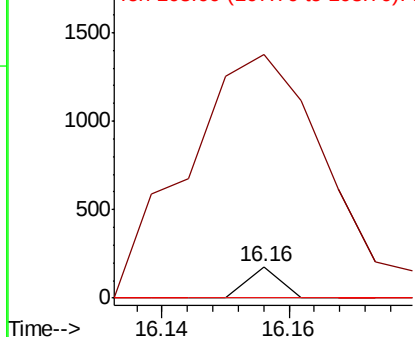


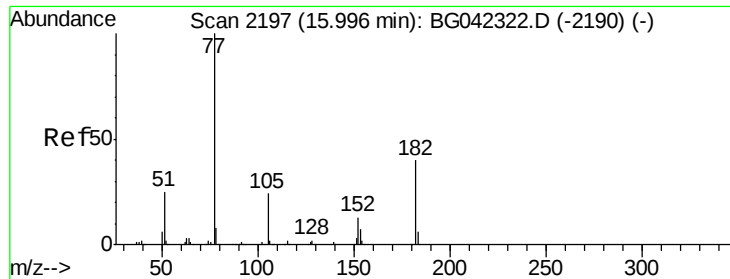
#62
4-Nitroaniline
Concen: 0.020 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.42 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:138 Resp: 63
Ion Ratio Lower Upper
138 100
92 768.2 21.5 61.5#
108 0.0 45.7 85.7#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

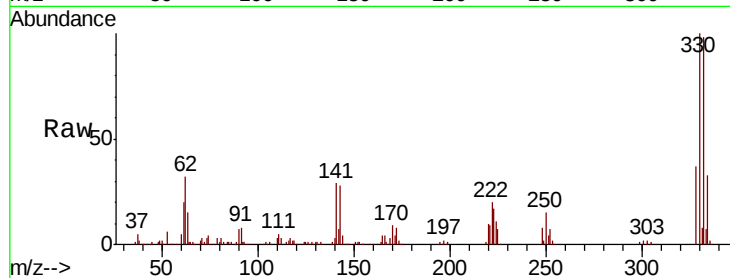




#63
Azobenzene
Concen: 0.123 ng
RT: 16.16 min Scan# 2224
Delta R.T. 0.16 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	0.0	19.7	59.7#	
105	113.7	3.5	43.5#	
51	73.9	5.4	45.4#	



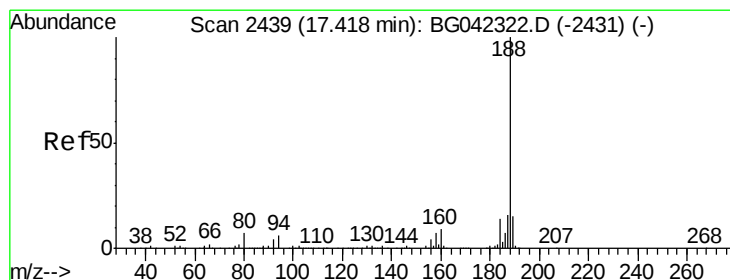
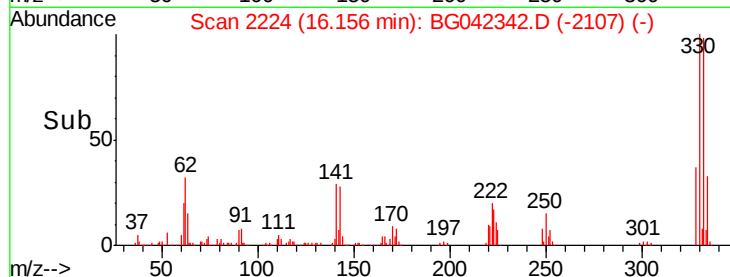
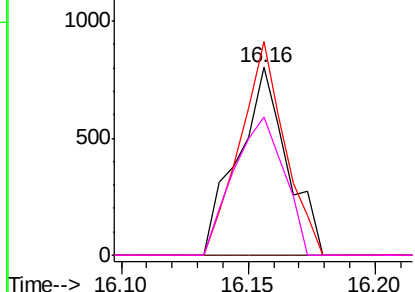
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

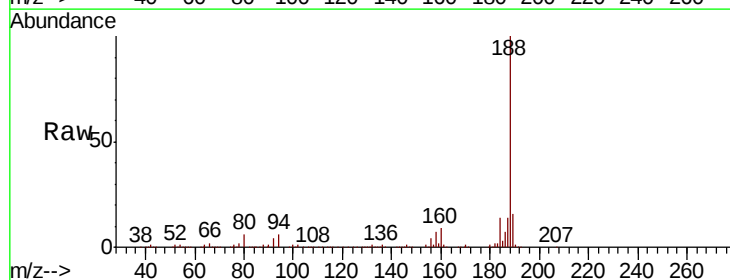
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.9	4.9	7.3	
80	6.4	5.4	8.0	

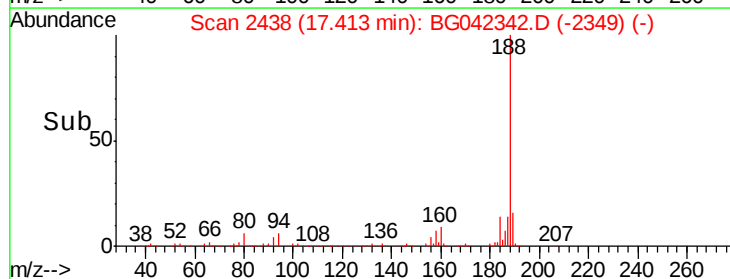
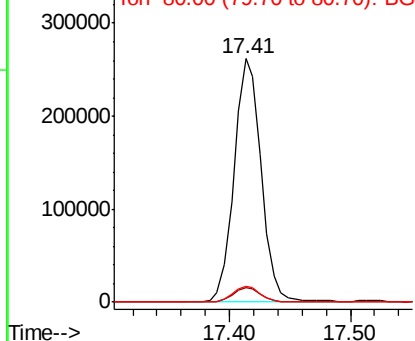


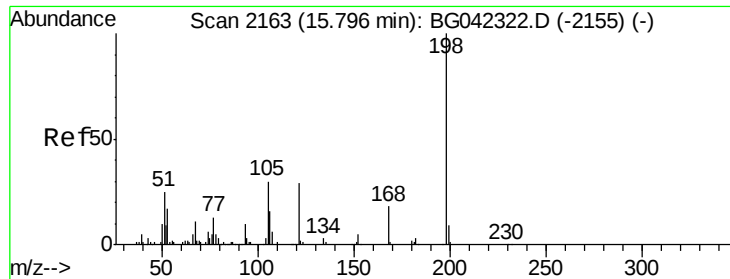
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 0.295 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampleId :

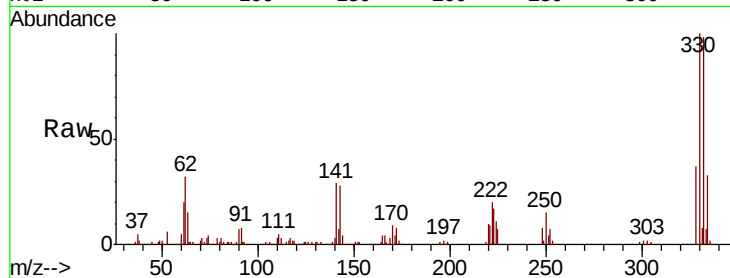
Tot Ion:198 Resp: 734

Ion Ratio Lower Upper

198 100

51 106.3 6.4 46.4#

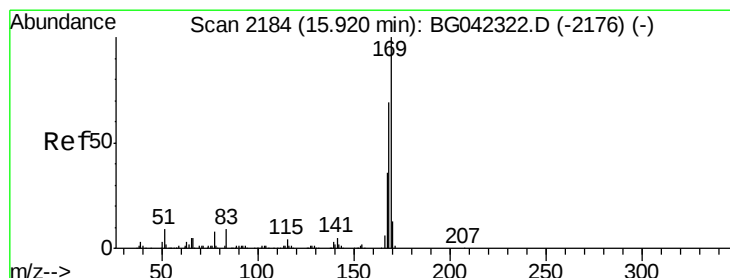
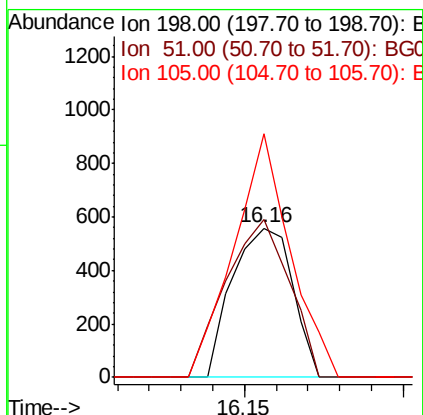
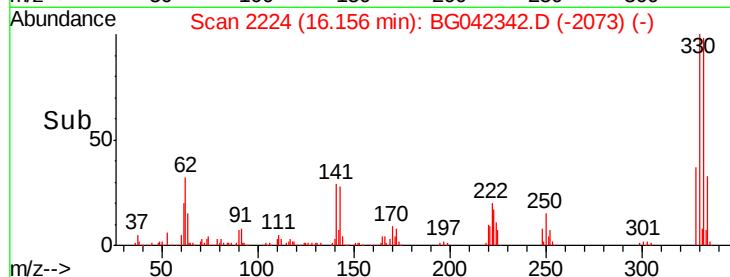
105 163.6 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG042342.D (-2155) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.874 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.24 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

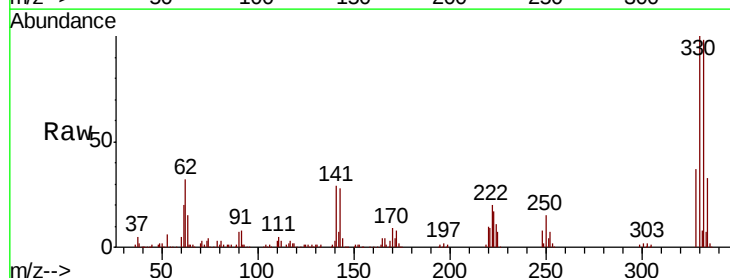
Tgt Ion:169 Resp: 9966

Ion Ratio Lower Upper

169 100

168 5.7 55.5 83.3#

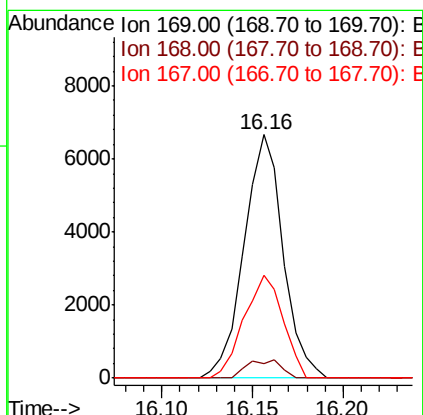
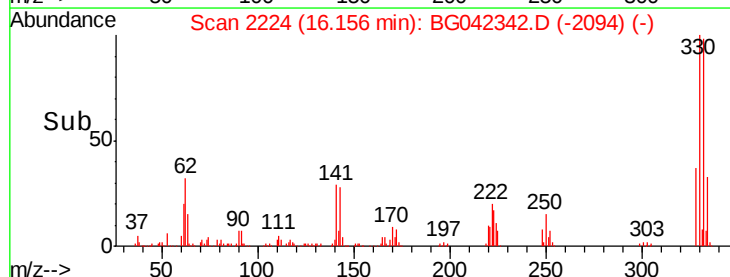
167 42.1 28.9 43.3

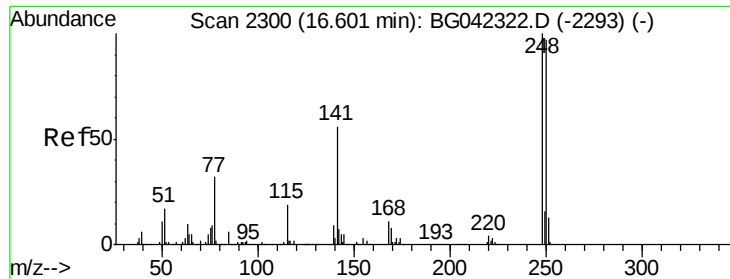


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

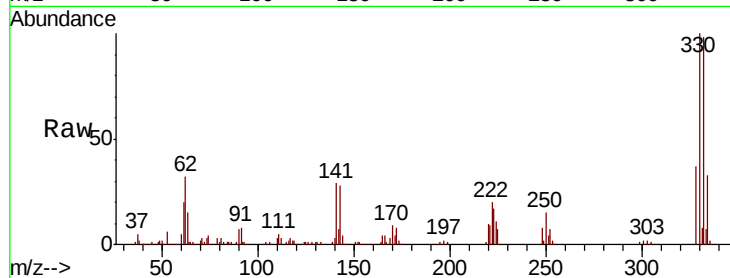




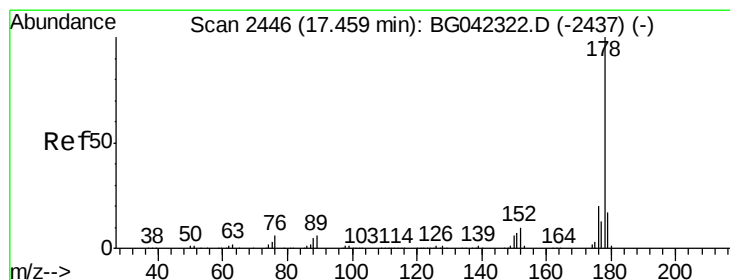
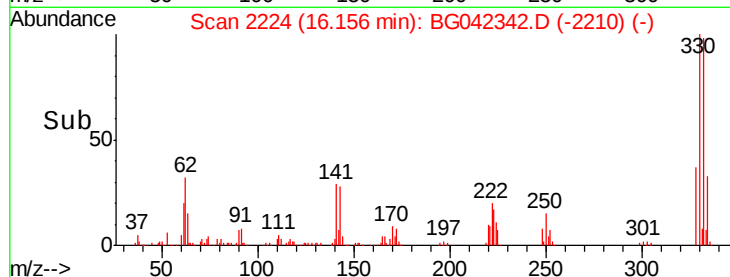
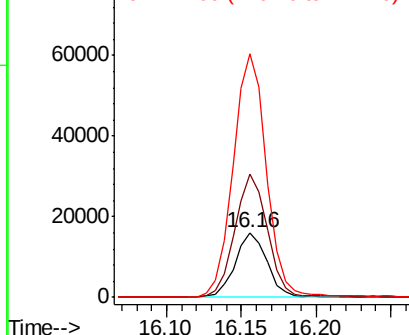
#67
 4-Bromophenyl-phenylether
 Concen: 4.599 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 23857
 Ion Ratio Lower Upper
 248 100
 250 190.6 78.0 117.0#
 141 378.1 44.9 67.3#

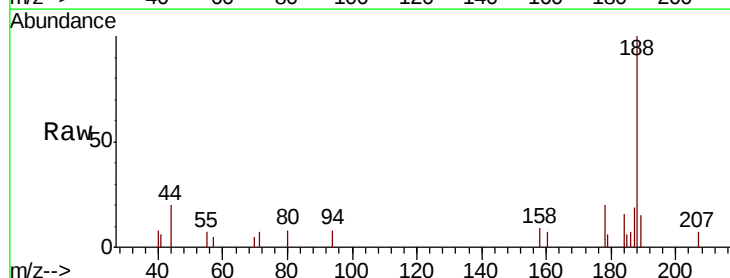


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

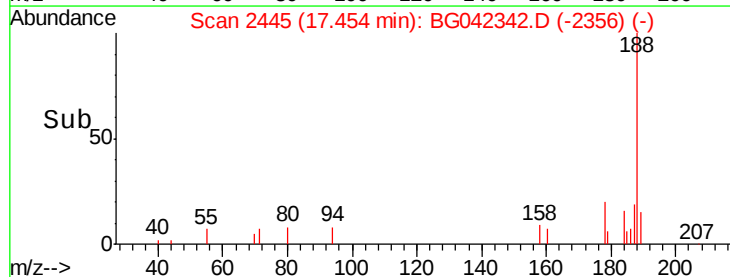
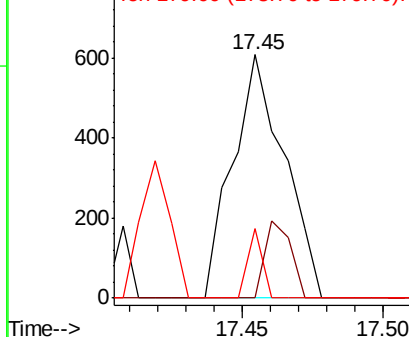


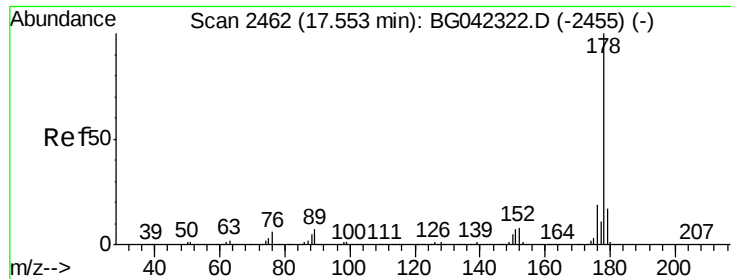
#71
 Phenanthrene
 Concen: 0.038 ng
 RT: 17.45 min Scan# 2445
 Delta R.T. -0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion:178 Resp: 770
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.4#
 179 28.5 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: 0.038 ng

RT: 17.45 min Scan# 2445

Delta R.T. -0.10 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampleId :

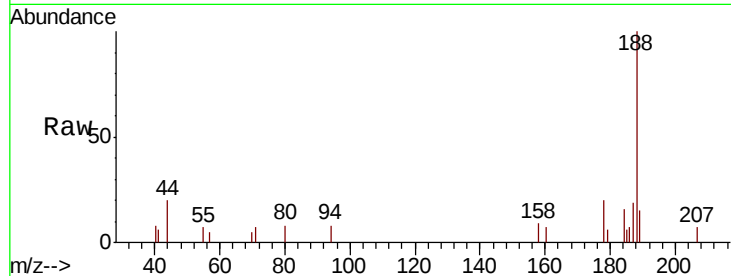
Tot Ion:178 Resp: 770

Ion Ratio Lower Upper

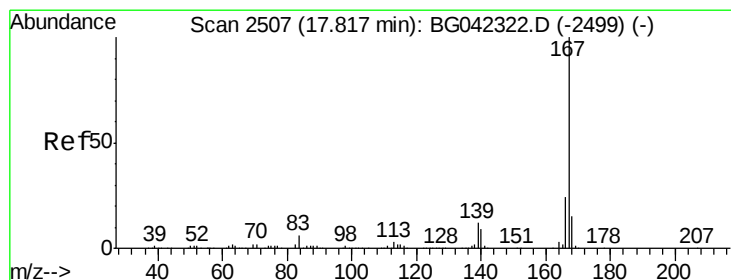
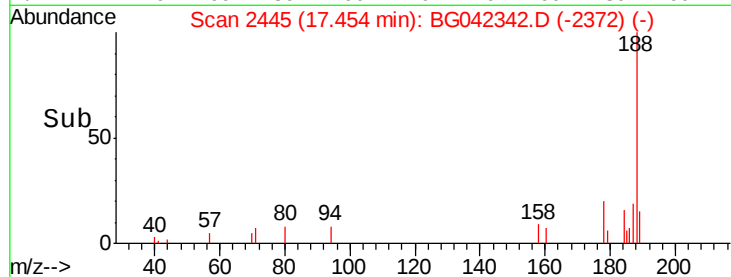
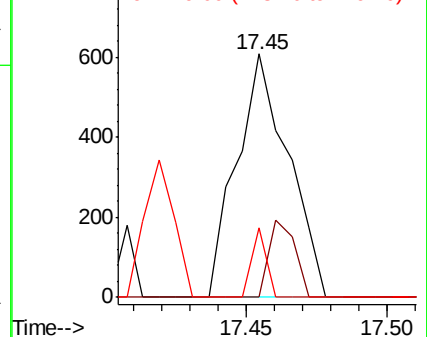
178 100

176 0.0 15.5 23.3#

179 28.5 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



#73

Carbazole

Concen: 0.004 ng

RT: 17.81 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

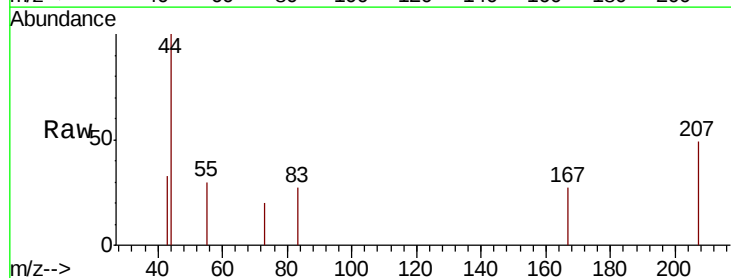
Tgt Ion:167 Resp: 73

Ion Ratio Lower Upper

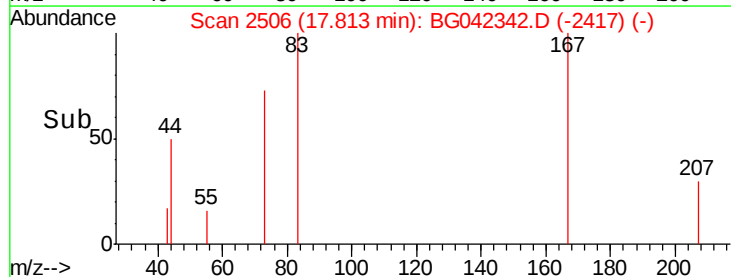
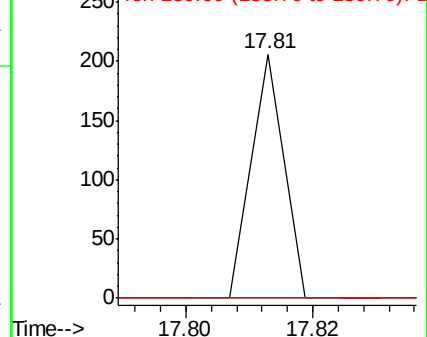
167 100

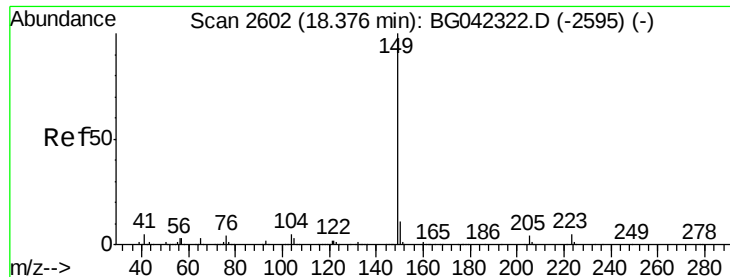
166 0.0 19.0 28.6#

139 0.0 9.7 14.5#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E

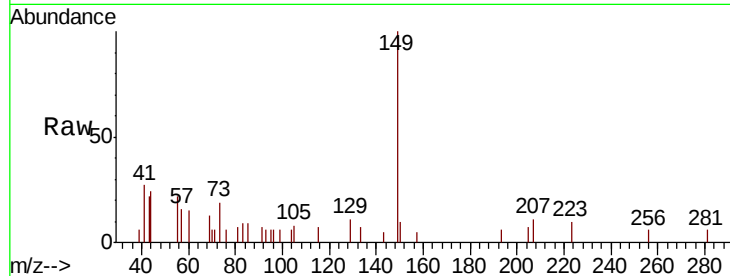




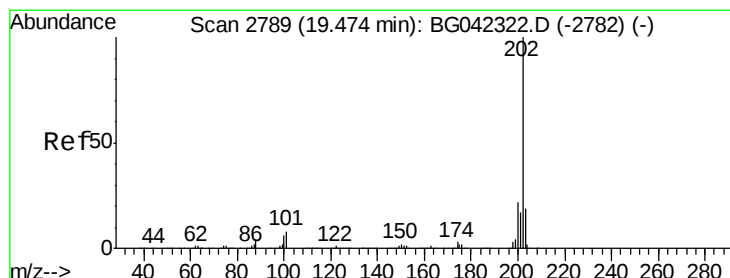
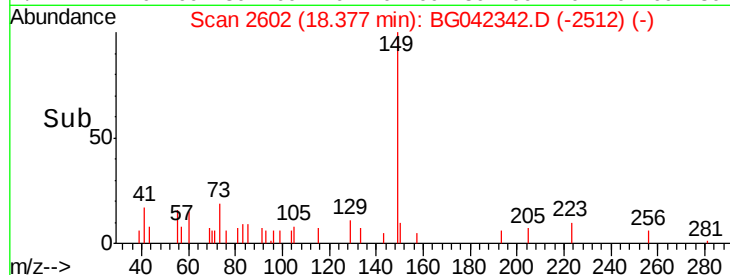
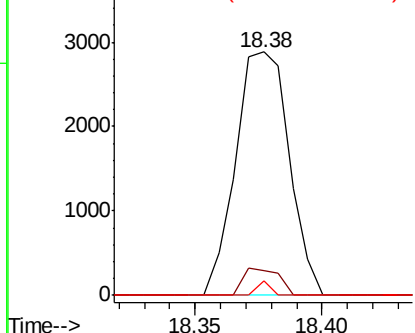
#74
Di-n-butylphthalate
Concen: 0.202 ng
RT: 18.38 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 4236
Ion Ratio Lower Upper
149 100
150 10.4 8.4 12.6
104 6.1 3.7 5.5#

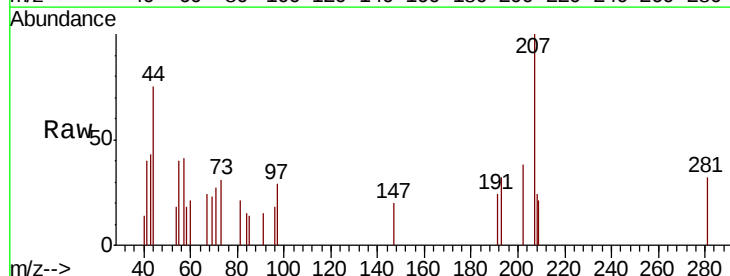


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

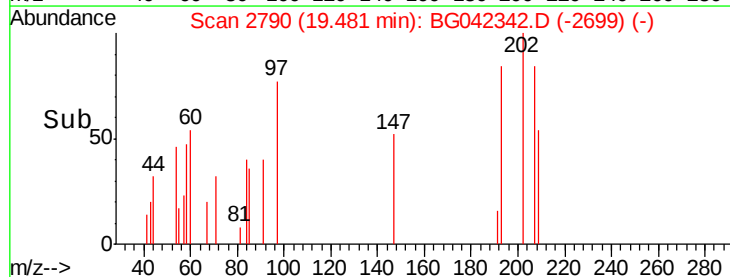
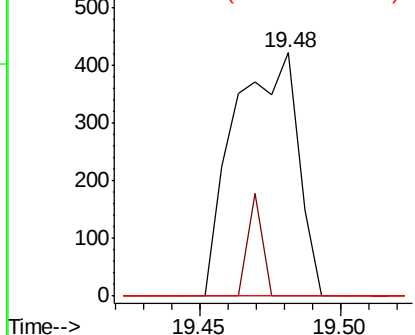


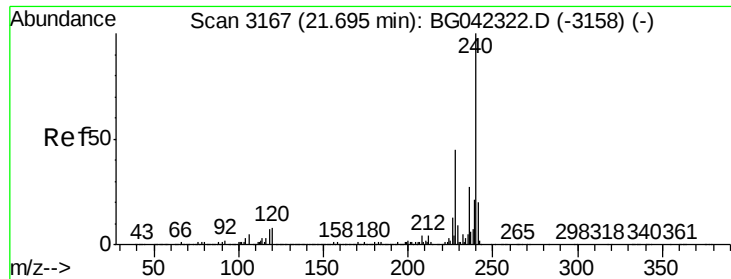
#75
Fluoranthene
Concen: 0.027 ng
RT: 19.48 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:202 Resp: 658
Ion Ratio Lower Upper
202 100
101 0.0 0.0 28.0
203 0.0 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

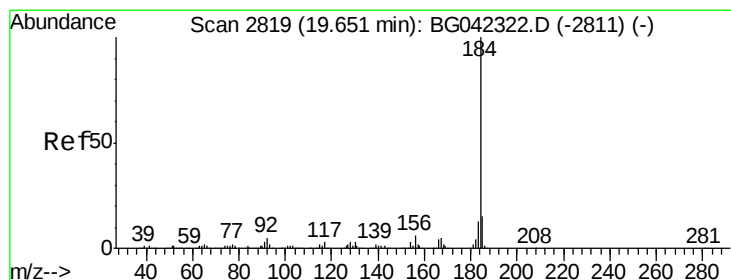
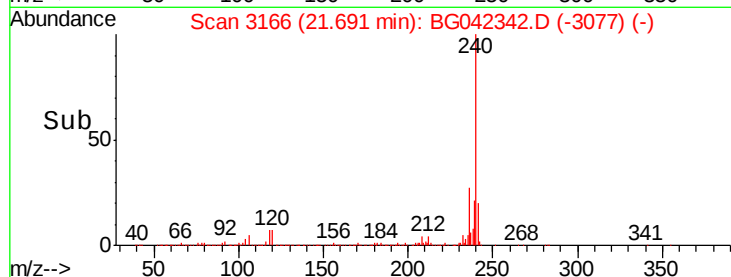
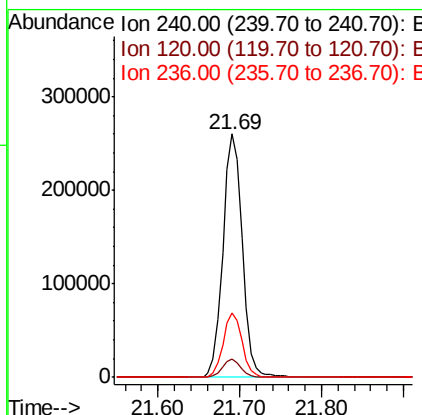
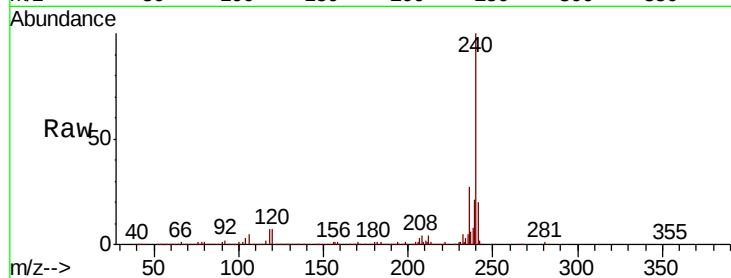




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

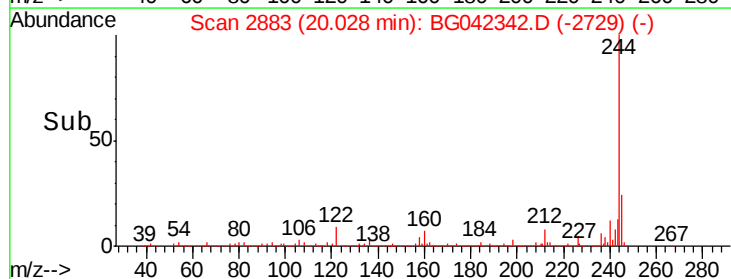
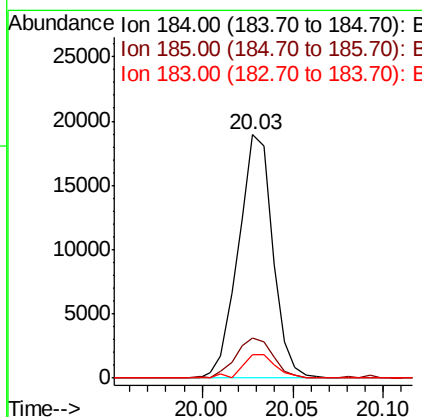
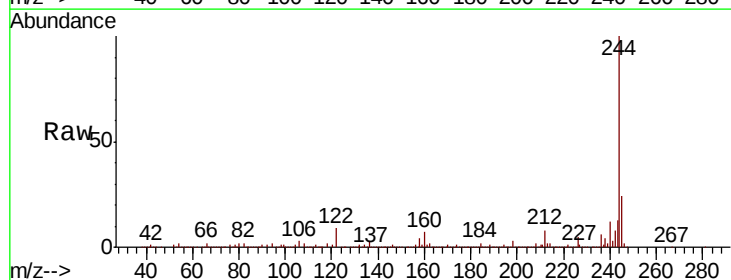
Instrument :
BNA_G
ClientSampleId :

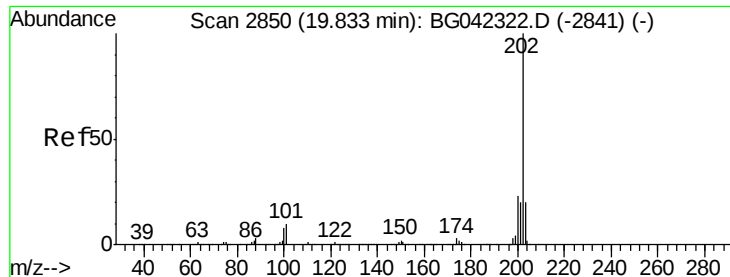
Tot Ion:240 Resp: 428854
Ion Ratio Lower Upper
240 100
120 7.4 6.0 9.0
236 26.7 21.6 32.4



#77
Benzidine
Concen: 2.200 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.38 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:184 Resp: 25018
Ion Ratio Lower Upper
184 100
185 16.5 11.8 17.6
183 9.5 10.6 15.8#





#78

Pvrene

Concen: 0.037 ng

RT: 19.83 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

Instrument :

BNA_G

ClientSampled :

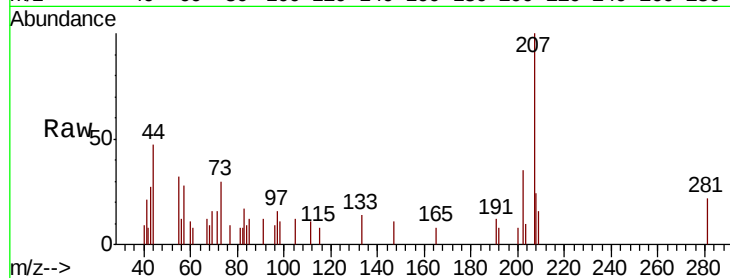
Tot Ion:202 Resp: 979

Ion Ratio Lower Upper

202 100

200 22.7 18.1 27.1

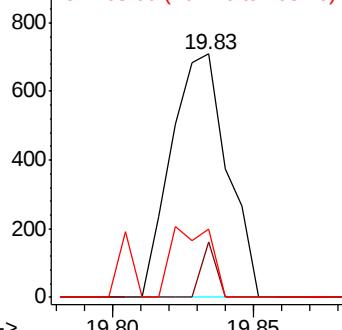
203 28.2 15.8 23.8#



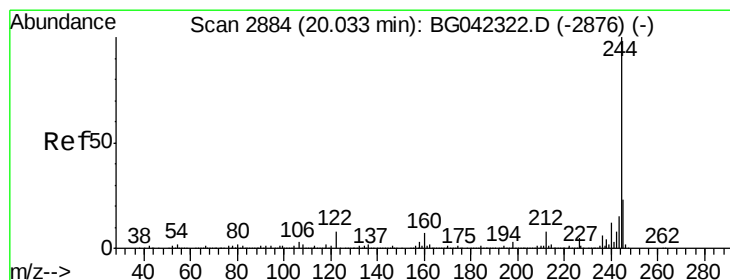
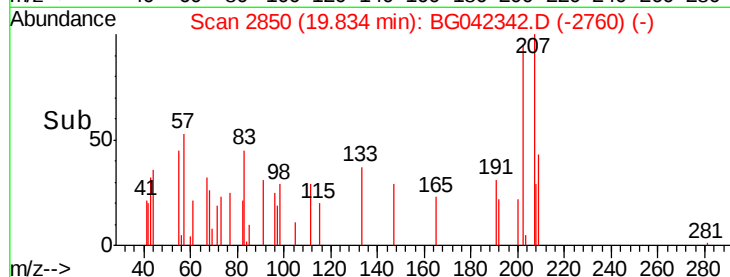
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#79

Terphenyl-d14

Concen: 91.078 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042342.D

Acq: 20 Aug 2019 1:00

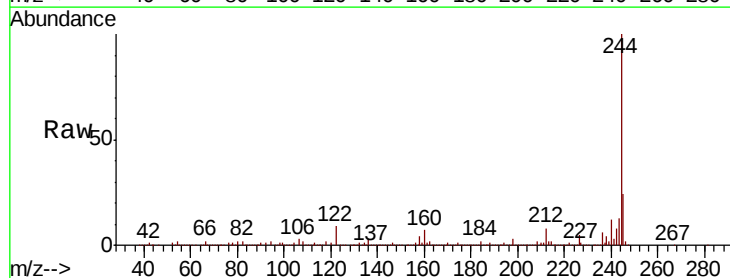
Tgt Ion:244 Resp: 1783291

Ion Ratio Lower Upper

244 100

212 8.3 6.4 9.6

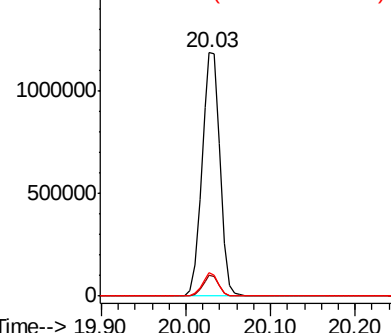
122 9.4 6.6 10.0



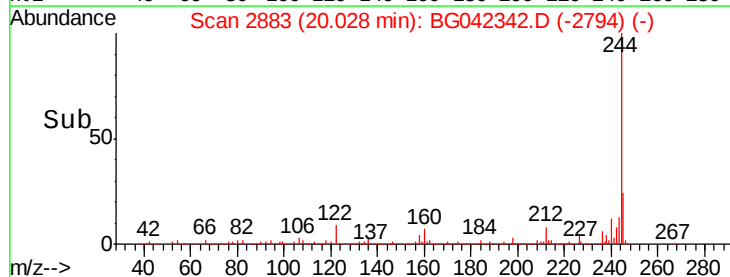
Abundance Ion 244.00 (243.70 to 244.70): E

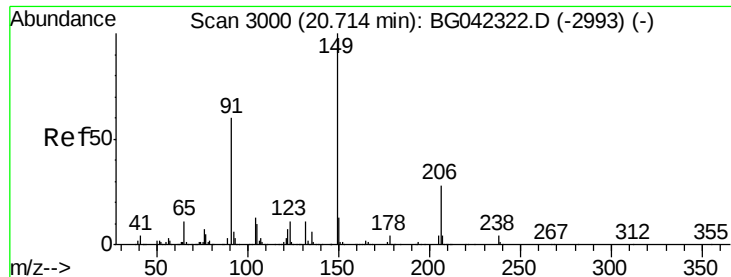
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

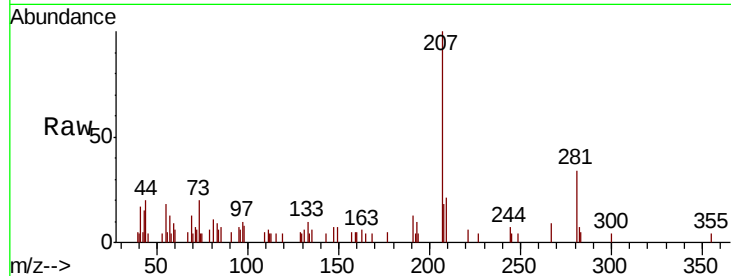




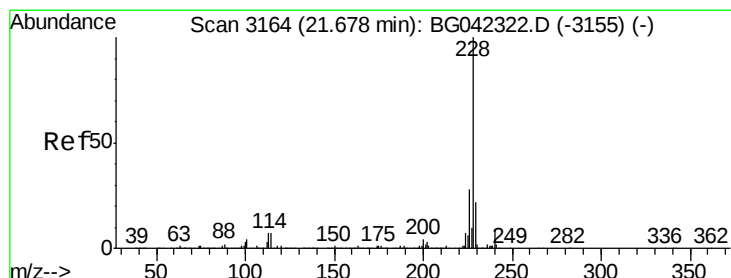
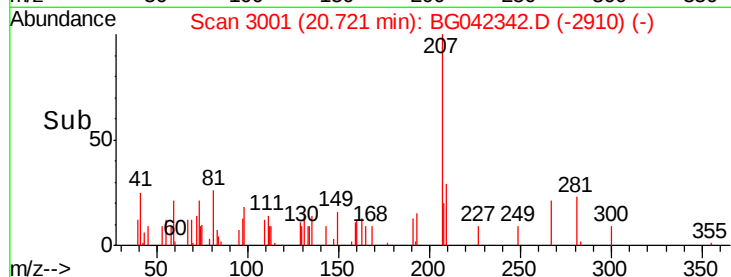
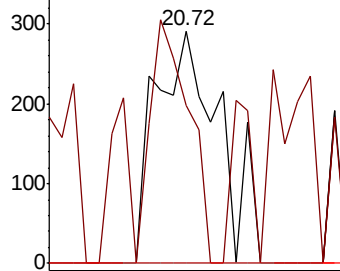
#80
Butylbenzylphthalate
Concen: 0.058 ng
RT: 20.72 min Scan# 3001
Delta R.T. 0.01 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 610
Ion Ratio Lower Upper
149 100
91 68.0 47.8 71.6
206 0.0 22.6 33.8#

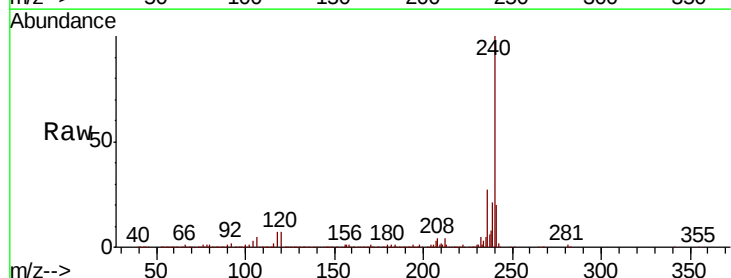


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

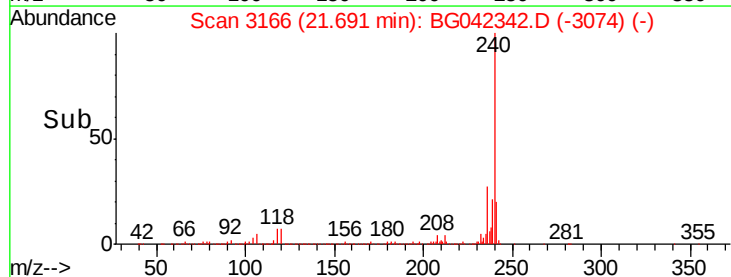
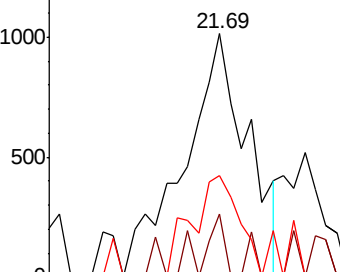


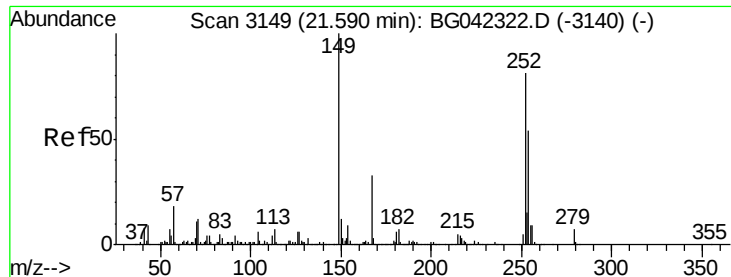
#81
Benzo(a)anthracene
Concen: 0.094 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:228 Resp: 2479
Ion Ratio Lower Upper
228 100
226 26.1 22.7 34.1
229 41.8 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

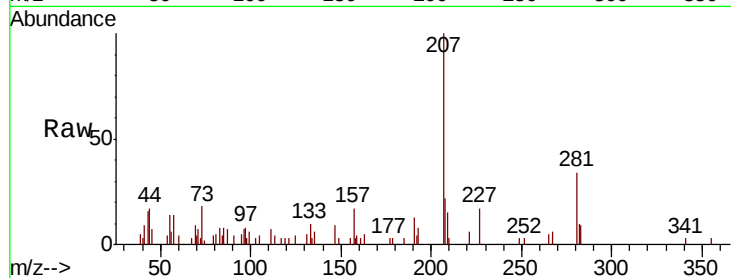




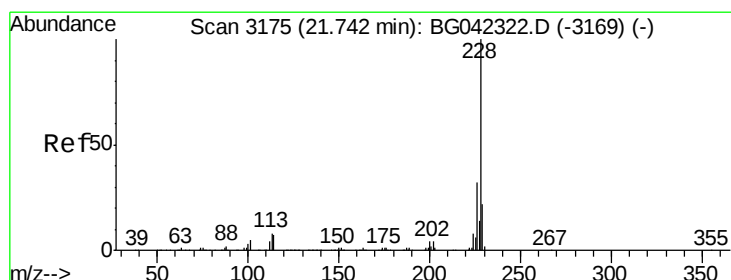
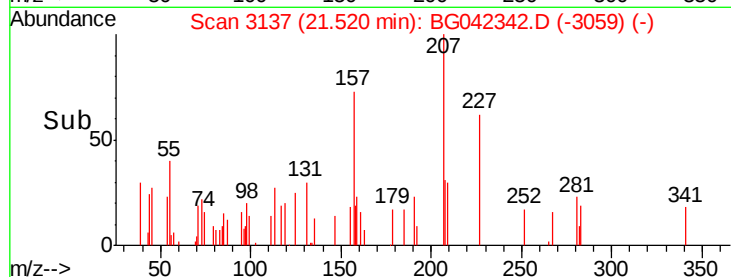
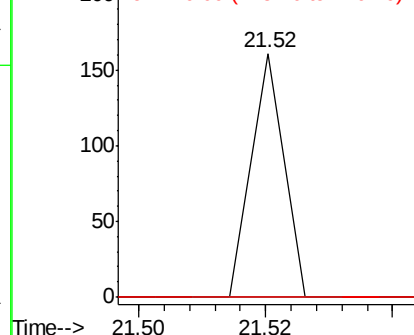
#82
 3,3'-Dichlorobenzidine
 Concen: 0.005 ng
 RT: 21.52 min Scan# 3137
 Delta R.T. -0.07 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:252 Resp: 57
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.0 79.6#
 126 0.0 6.2 9.2#

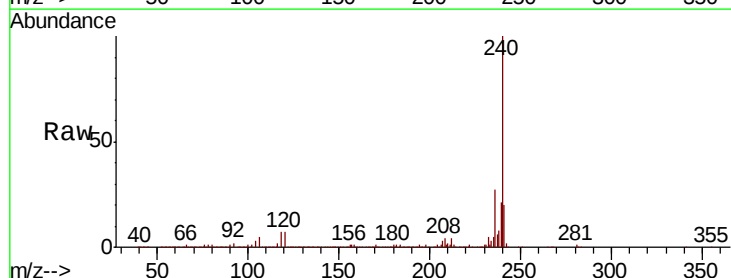


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

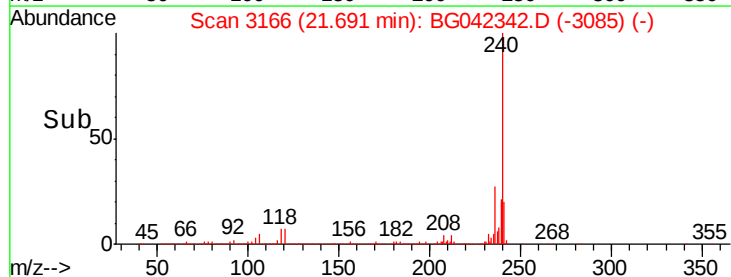
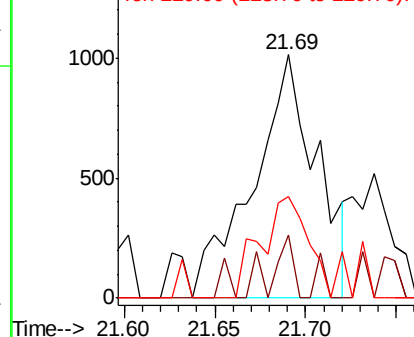


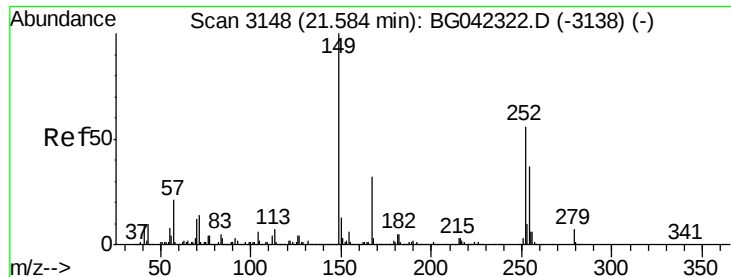
#83
 Chrysene
 Concen: 0.098 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.05 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion:228 Resp: 2479
 Ion Ratio Lower Upper
 228 100
 226 26.1 25.6 38.4
 229 41.8 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

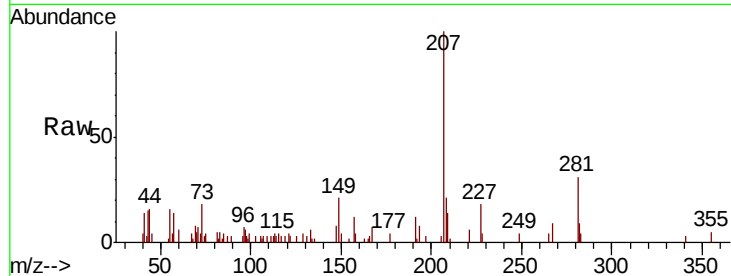




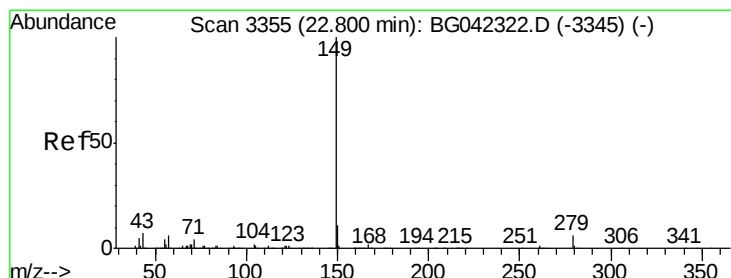
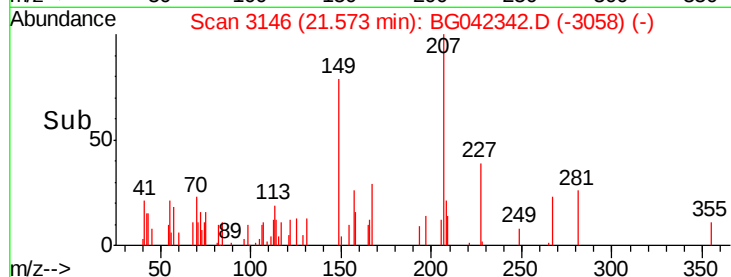
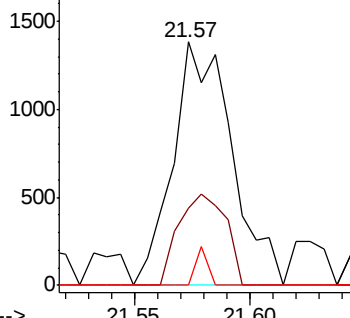
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.168 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.01 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:149 Resp: 2452
 Ion Ratio Lower Upper
 149 100
 167 31.9 25.4 38.0
 279 0.0 5.8 8.6#

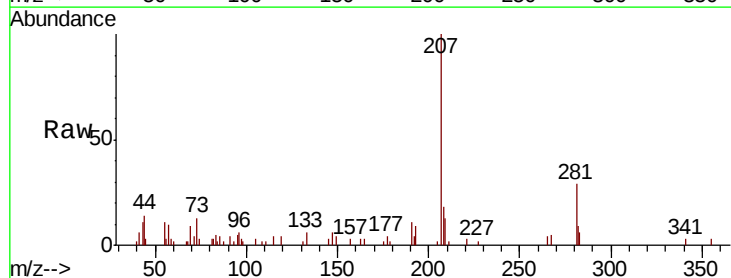


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

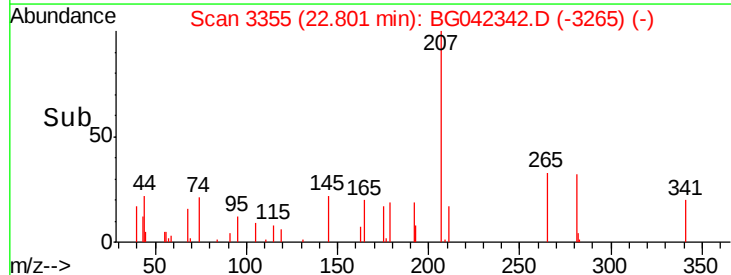
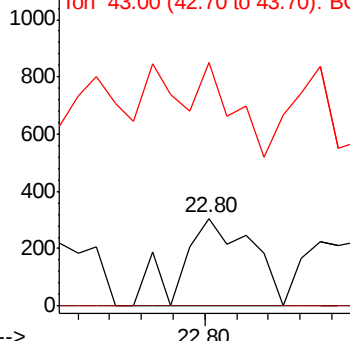


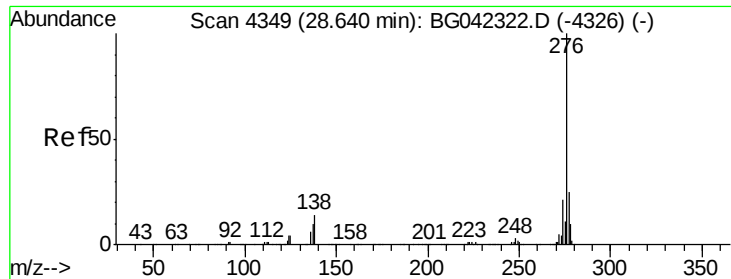
#85
 Di-n-octyl phthalate
 Concen: 0.019 ng
 RT: 22.80 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

Tgt Ion:149 Resp: 478
 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

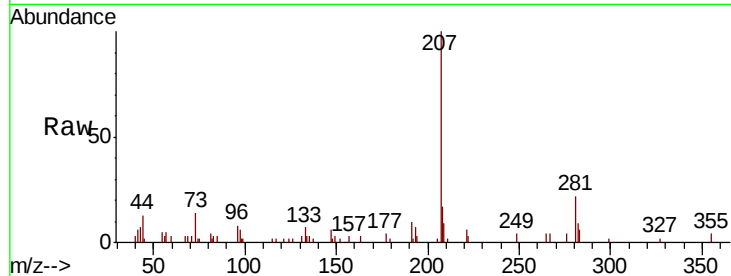




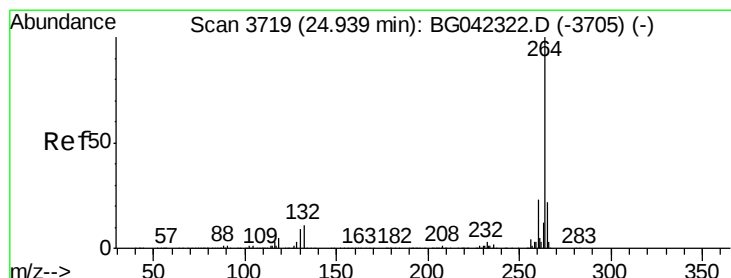
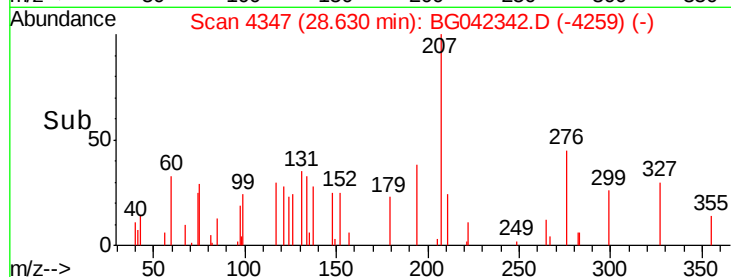
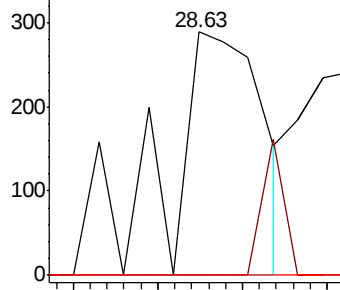
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.012 ng
RT: 28.63 min Scan# 4347
Delta R.T. -0.01 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Instrument :
BNA_G
ClientSampleId :

Tot Ion:276 Resp: 415
Ion Ratio Lower Upper
276 100
138 13.7 14.5 21.7#
277 0.0 21.0 31.4#

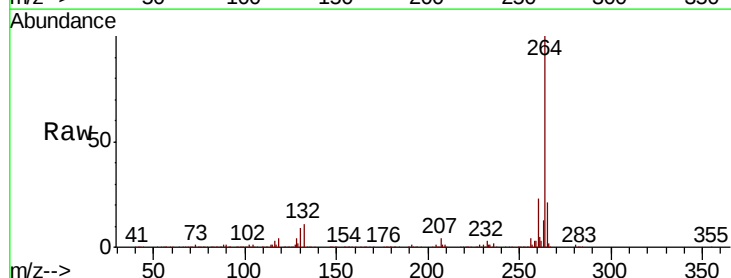


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

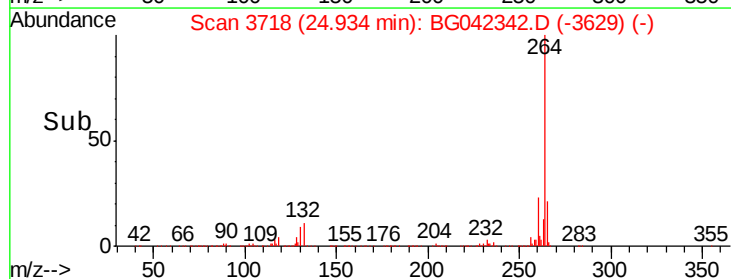
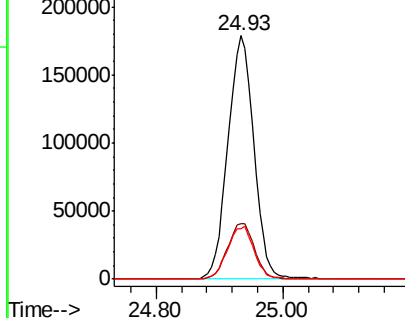


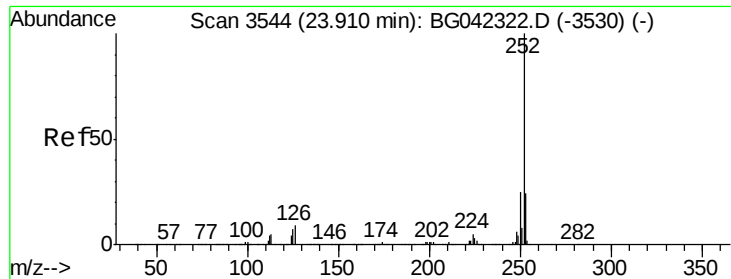
#87
Perylene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:264 Resp: 504236
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 20.9 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

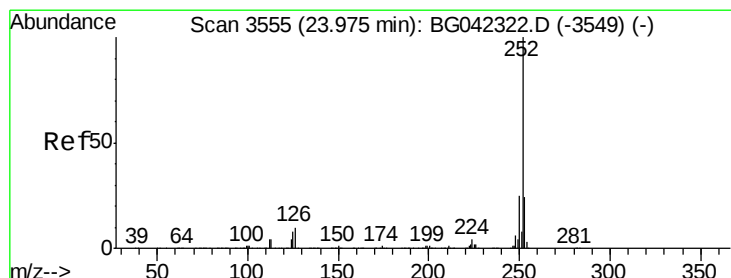
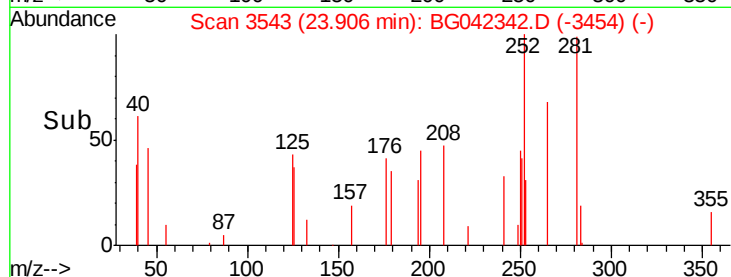
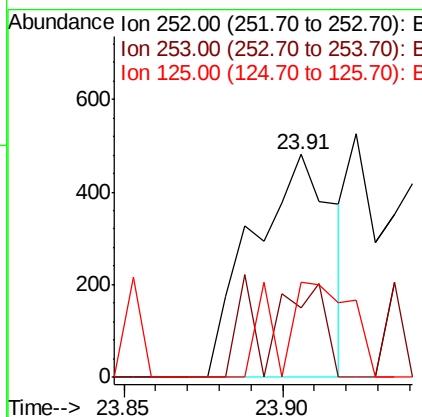
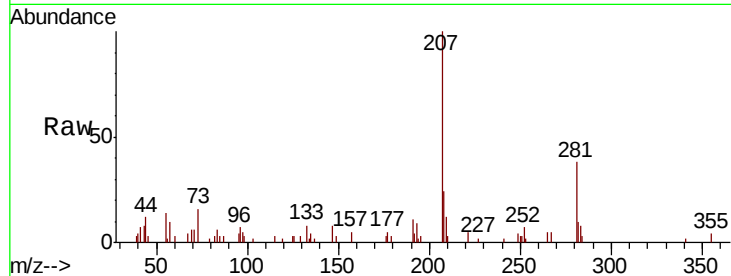




#88
Benzo(b)fluoranthene
Concen: 0.031 ng
RT: 23.91 min Scan# 3543
Delta R.T. -0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

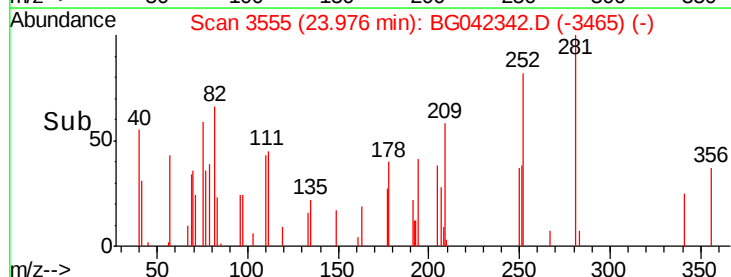
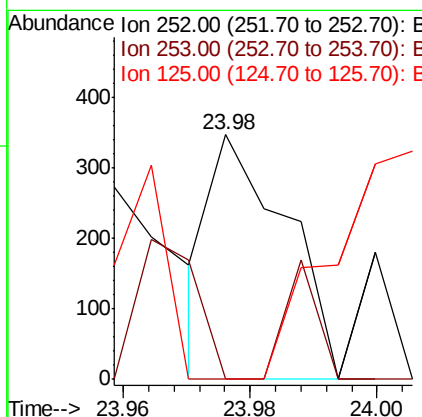
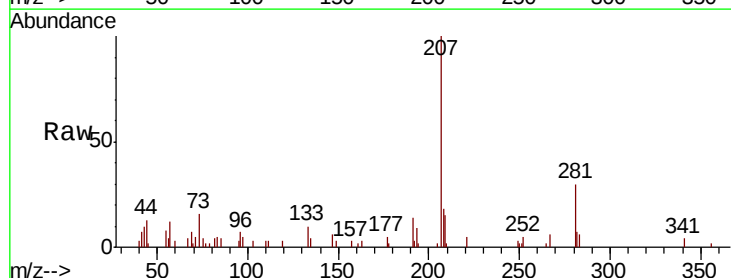
Instrument :
BNA_G
ClientSampleId :

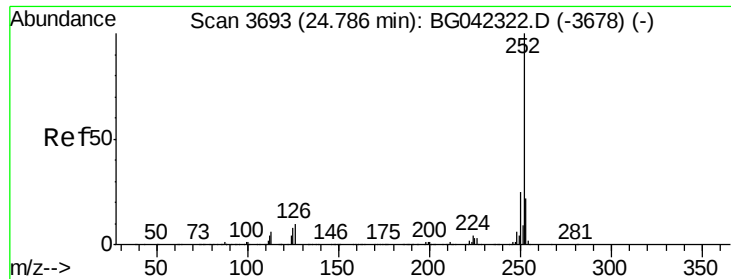
Tot Ion:252 Resp: 848
Ion Ratio Lower Upper
252 100
253 31.2 18.9 28.3#
125 42.8 5.8 8.6#



#89
Benzo(k)fluoranthene
Concen: 0.011 ng
RT: 23.98 min Scan# 3555
Delta R.T. 0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:252 Resp: 286
Ion Ratio Lower Upper
252 100
253 0.0 19.0 28.4#
125 0.0 6.0 9.0#

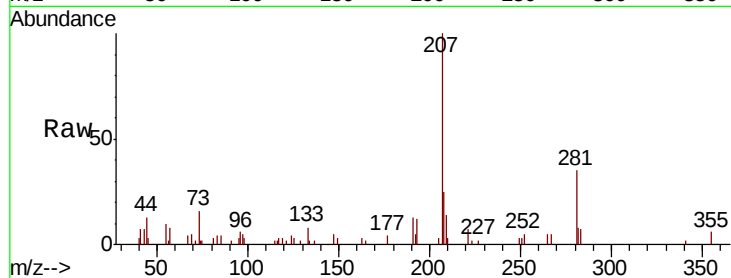




#90
Benzo(a)pyrene
Concen: 0.035 ng
RT: 24.79 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

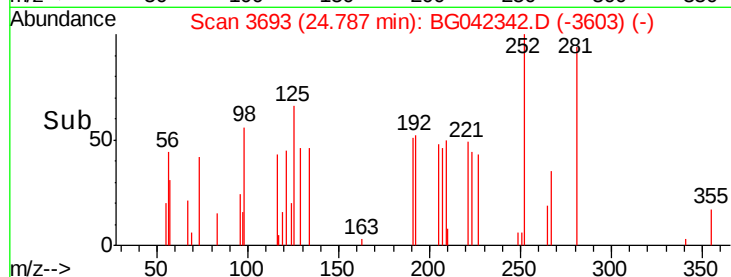
Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 936
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 66.3 6.7 10.1#

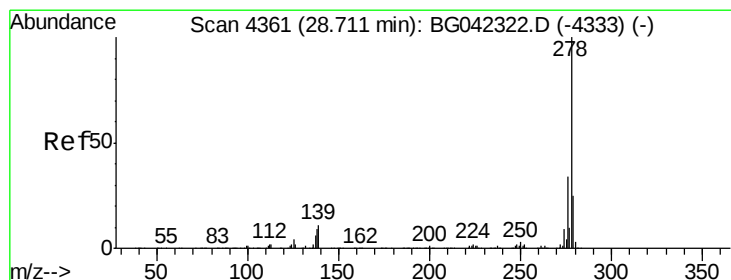


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

24.79

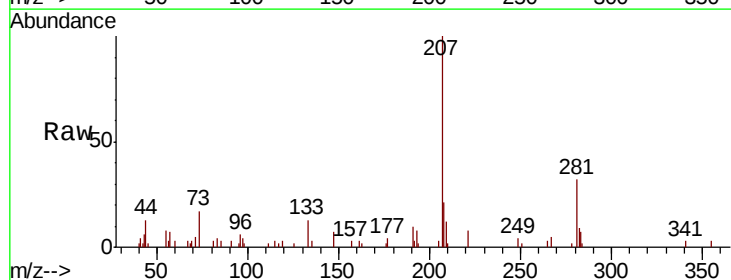


Time-->



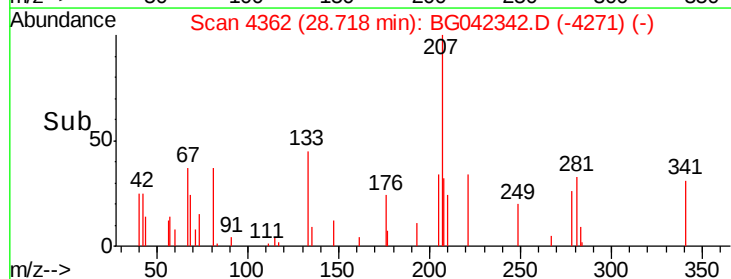
#91
Dibenzo(a,h)anthracene
Concen: 0.002 ng
RT: 28.72 min Scan# 4362
Delta R.T. 0.01 min
Lab File: BG042342.D
Acq: 20 Aug 2019 1:00

Tgt Ion:278 Resp: 59
Ion Ratio Lower Upper
278 100
139 0.0 8.5 12.7#
279 0.0 19.8 29.8#

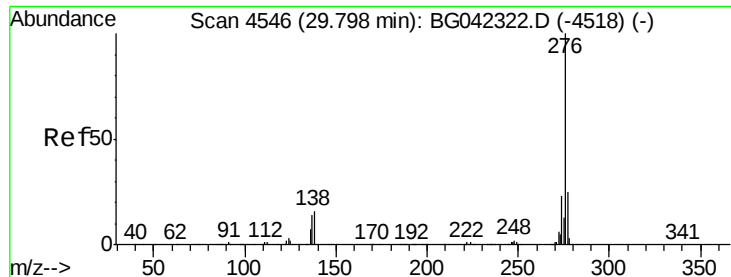


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

28.72



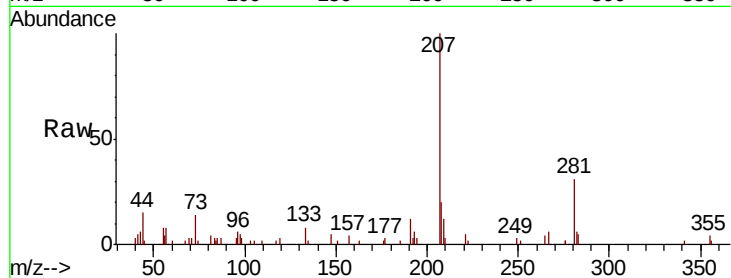
Time-->



#92
 Benzo(a,h,i)perylene
 Concen: 0.037 ng
 RT: 29.80 min Scan# 4546
 Delta R.T. 0.00 min
 Lab File: BG042342.D
 Acq: 20 Aug 2019 1:00

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#



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

