

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042332.D
 Acq On : 19 Aug 2019 18:35
 Operator : HP/JU
 Sample : K4290-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:23:04 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	59405	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	235162	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	168743	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	386880	20.00	ng	0.00
76) Chrysene-d12	21.69	240	403702	20.00	ng	0.00
87) Perylene-d12	24.93	264	466934	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	339753	115.88	ng	0.00
7) Phenol-d6	7.17	99	467726	117.46	ng	0.00
23) Nitrobenzene-d5	9.17	82	267251	79.93	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	262156	114.07	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	767802	77.00	ng	0.00
79) Terphenyl-d14	20.03	244	1306021	70.86	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	221	0.175	ng	# 85
4) n-Nitrosodimethylamine	3.74	42	151	0.135	ng	# 1
6) Aniline	7.54	93	524	0.100	ng	# 1
9) Benzaldehyde	7.17	77	495	0.221	ng	# 1
10) Phenol	7.20	94	5335	1.318	ng	# 54
11) bis(2-Chloroethyl)ether	7.54	93	524	0.164	ng	# 1
15) Benzyl Alcohol	8.33	79	3963	1.447	ng	# 40
19) n-Nitroso-di-n-propylamine	9.17	70	33336	13.016	ng	# 72
24) Nitrobenzene	9.18	77	702	0.206	ng	# 29
25) Isophorone	9.51	82	127	0.019	ng	# 59
46) 1,1'-Biphenyl	13.50	154	1005	0.091	ng	# 92
48) 2-Nitroaniline	14.10	65	1134	0.511	ng	# 1
50) Dimethylphthalate	14.11	163	187343	15.624	ng	# 98
51) 2,6-Dinitrotoluene	14.11	165	2033	0.724	ng	# 3
52) Acenaphthene	14.67	154	553	0.064	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	22011	5.610	ng	# 38
58) Fluorene	16.16	166	9935	0.871	ng	# 92
60) Diethylphthalate	15.49	149	262	0.023	ng	# 55
63) Azobenzene	16.15	77	727	0.090	ng	# 3
65) 4,6-Dinitro-2-methylphenol	16.15	198	420	0.178	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	7995	0.739	ng	# 45
67) 4-Bromophenyl-phenylether	16.16	248	18199	3.696	ng	# 1
71) Phenanthrene	17.46	178	2980	0.155	ng	# 96
72) Anthracene	17.57	178	204	0.011	ng	# 59
73) Carbazole	17.85	167	75	0.004	ng	# 57
74) Di-n-butylphthalate	18.38	149	1478	0.074	ng	# 76
75) Fluoranthene	19.47	202	5517	0.237	ng	# 95
77) Benzidine	20.03	184	16641	1.555	ng	# 94
78) Pyrene	19.83	202	6074	0.245	ng	# 97
80) Butylbenzylphthalate	20.71	149	218	0.022	ng	# 68
81) Benzo(a)anthracene	21.67	228	4514	0.182	ng	# 94
82) 3,3'-Dichlorobenzidine	21.62	252	59	0.006	ng	# 23
83) Chrysene	21.74	228	3291	0.139	ng	# 89
84) Bis(2-ethylhexyl)phthalate	21.58	149	5686	0.414	ng	# 91

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ALS Vial : 5 Sample Multiplier: 1

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BNA_G
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
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QLast Update : Mon Aug 19 13:40:37 2019
Response via : Initial Calibration

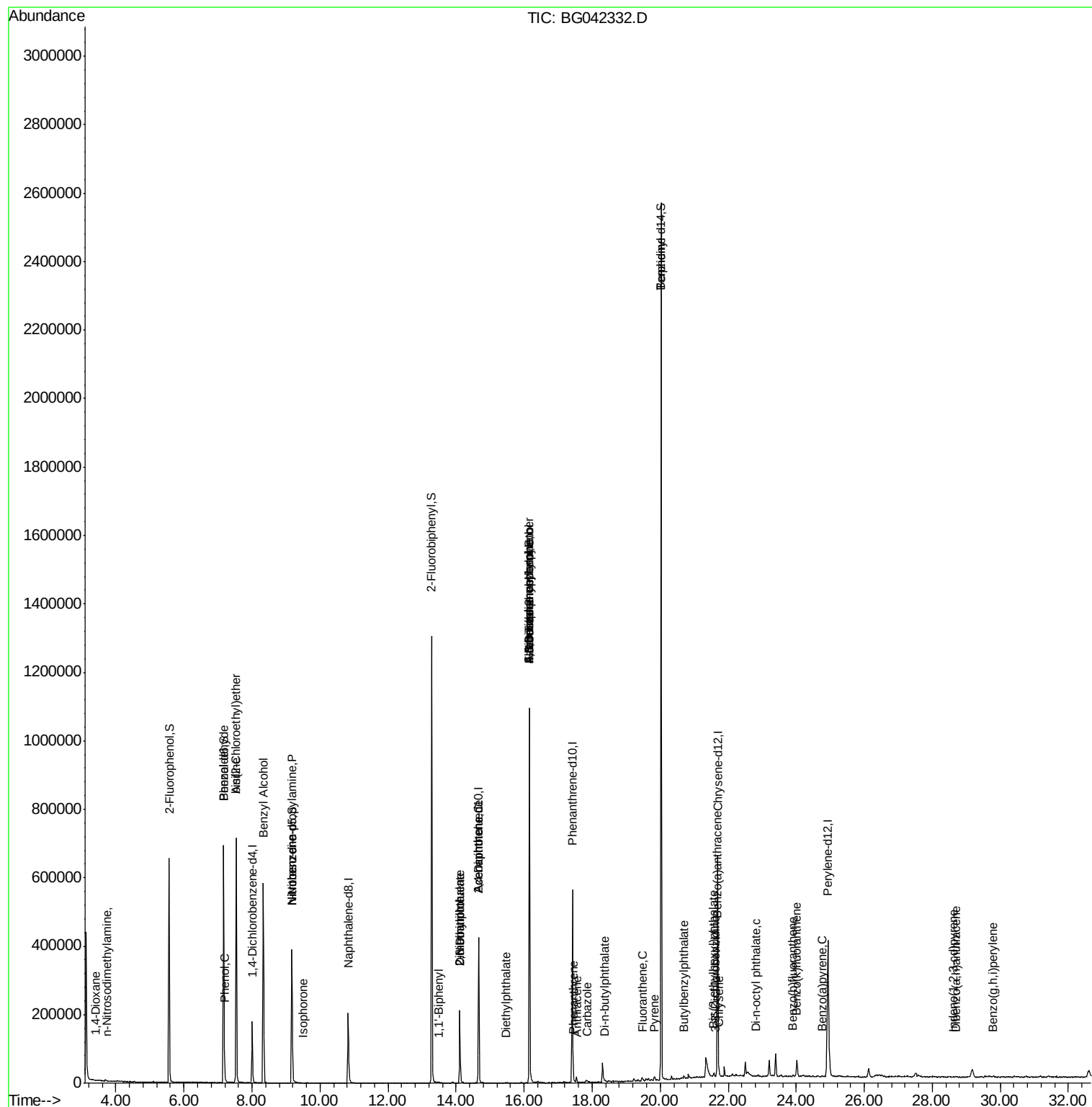
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	22.82	149	313	0.013	nq	# 75
86) Indeno(1,2,3-cd)pyrene	28.62	276	1711	0.054	nq	# 56
88) Benzo(b)fluoranthene	23.92	252	4229	0.165	nq	# 98
89) Benzo(k)fluoranthene	24.02	252	127	0.005	nq	# 1
90) Benzo(a)pyrene	24.77	252	3573	0.145	nq	# 77
91) Dibenzo(a,h)anthracene	28.69	278	198	0.008	nq	# 57
92) Benzo(a,h,i)perylene	29.80	276	1704	0.070	nq	# 55

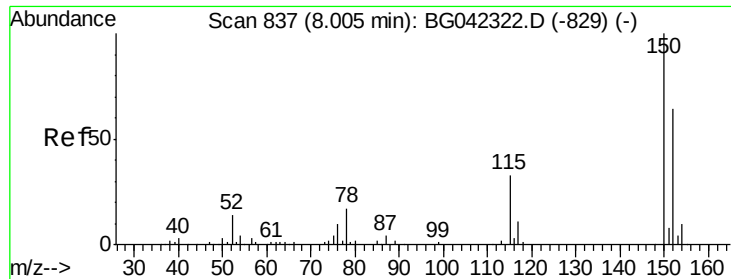
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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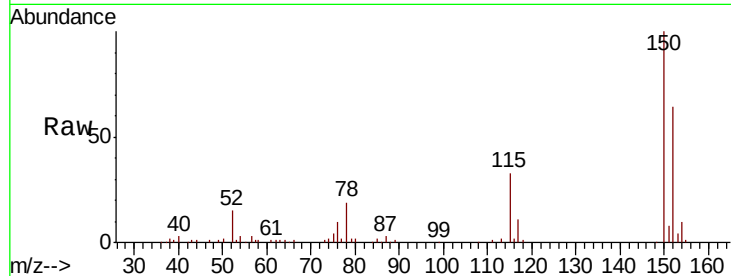


#1

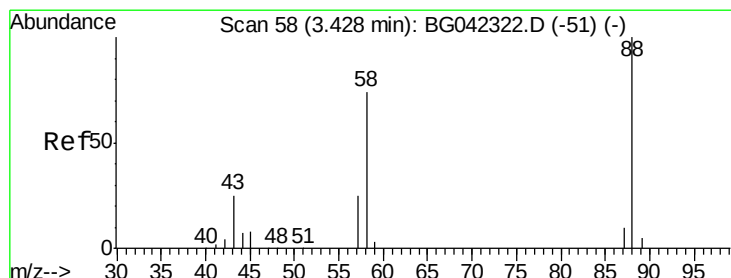
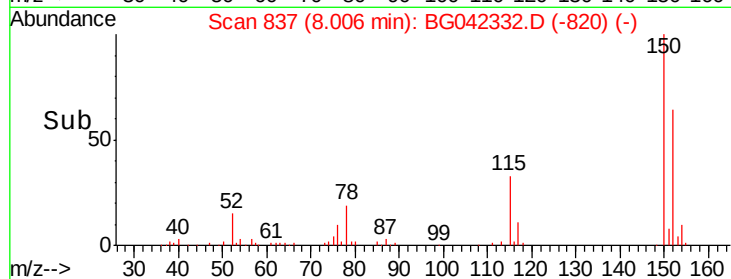
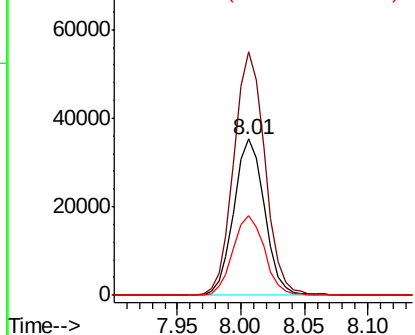
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.3	186.5
115	51.2	40.5	60.7



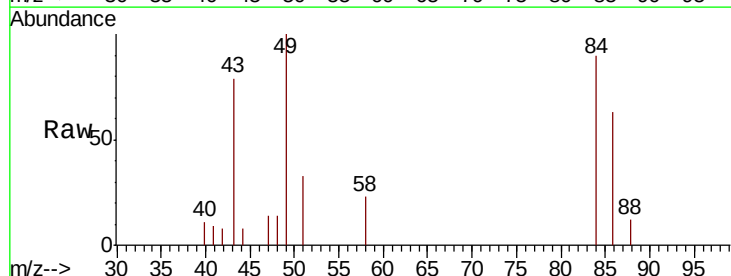
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



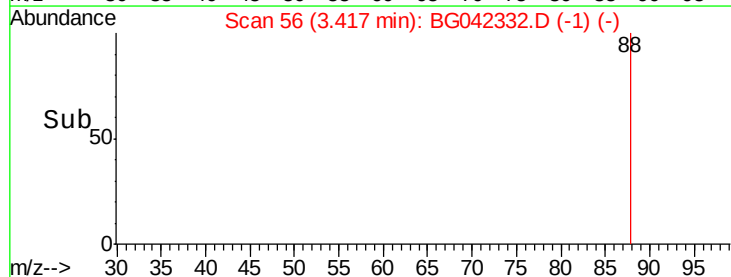
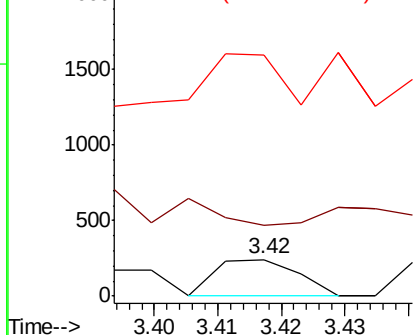
#2

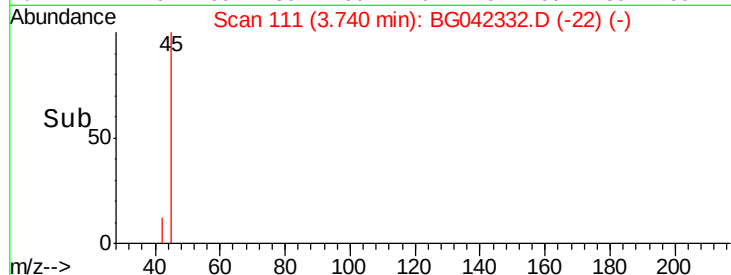
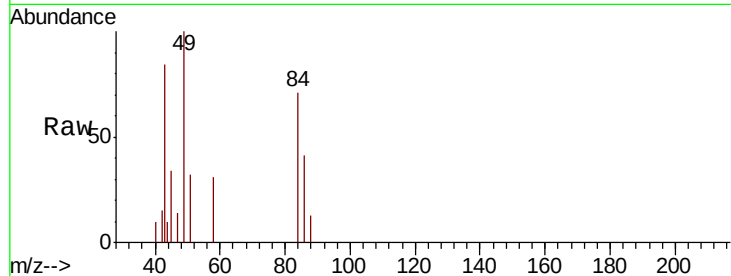
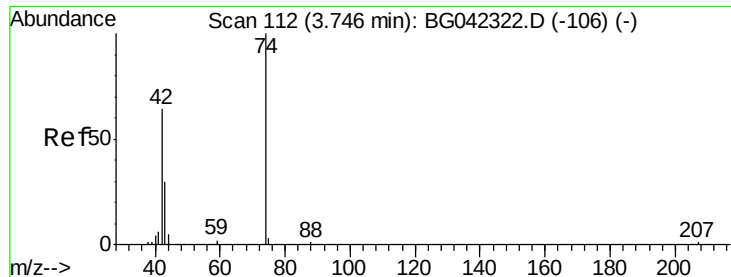
1,4-Dioxane
Concen: 0.175 ng
RT: 3.42 min Scan# 56
Delta R.T. -0.01 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.1	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



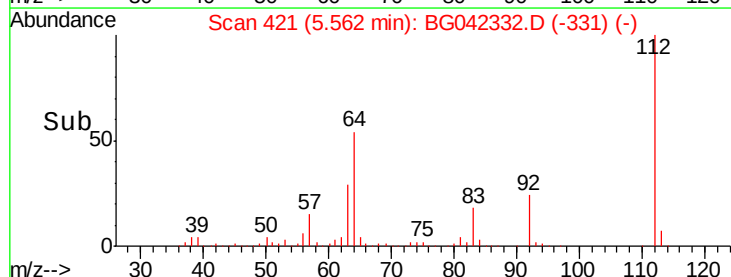
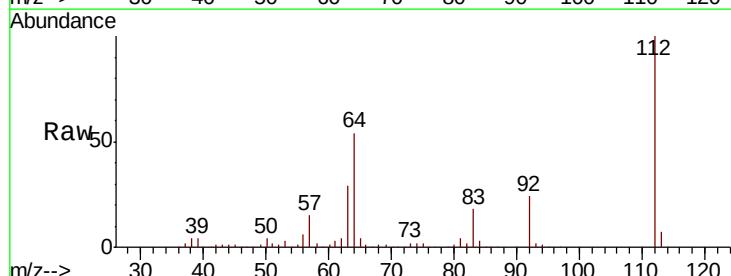
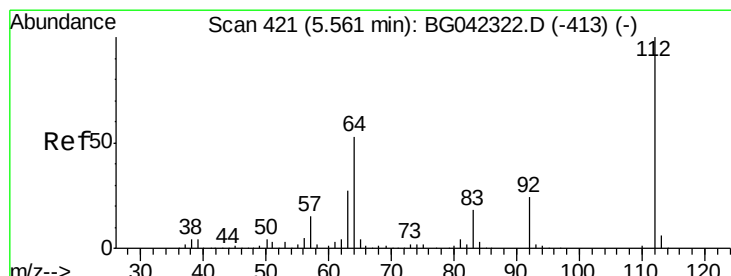
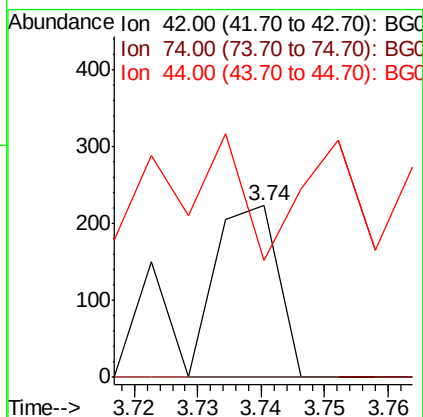


#4

n-Nitrosodimethylamine
Concen: 0.135 ng
RT: 3.74 min Scan# 111
Delta R.T. -0.01 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :

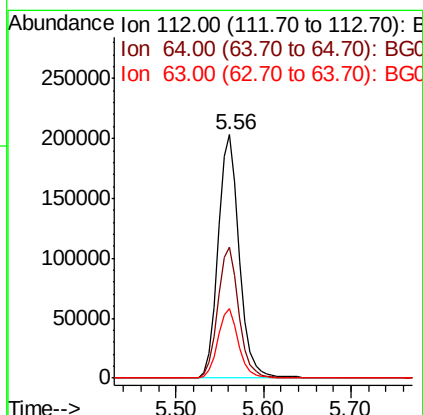
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	124.2	186.2#
44	68.2	6.5	9.7#

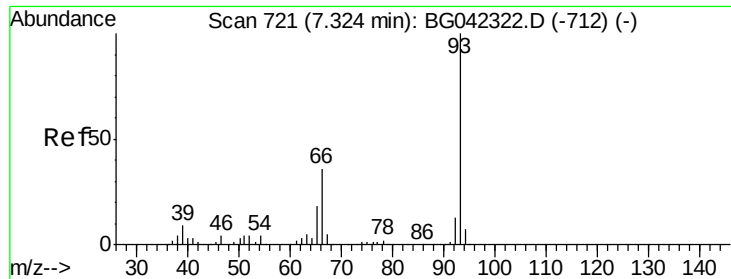


#5

2-Fluorophenol
Concen: 115.878 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	42.5	63.7
63	28.8	21.7	32.5





#6

Aniline

Concen: 0.100 ng

RT: 7.54 min Scan# 758

Delta R.T. 0.22 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

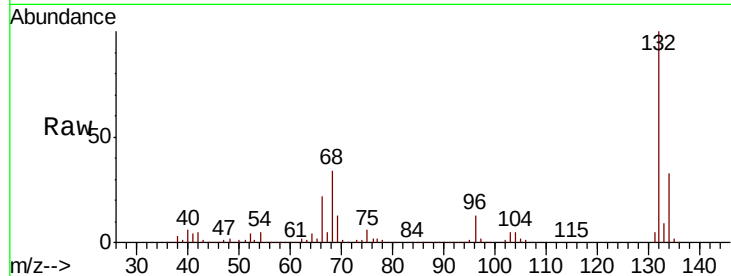
Tot Ion: 93 Resp: 524

Ion Ratio Lower Upper

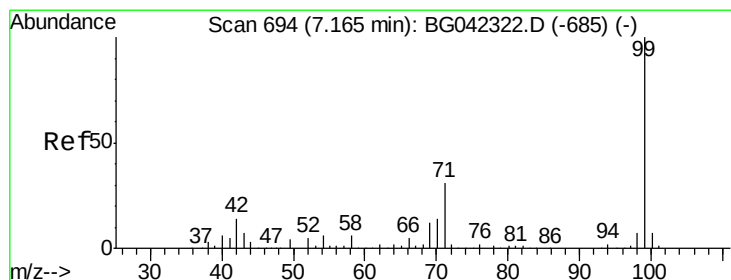
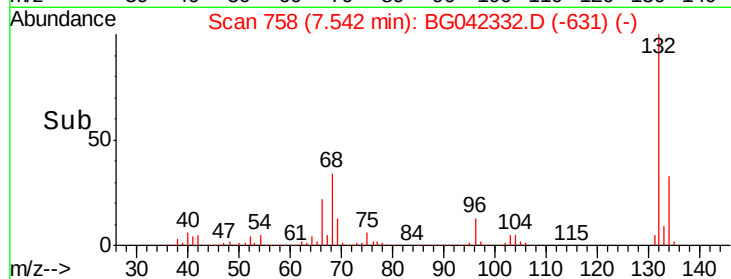
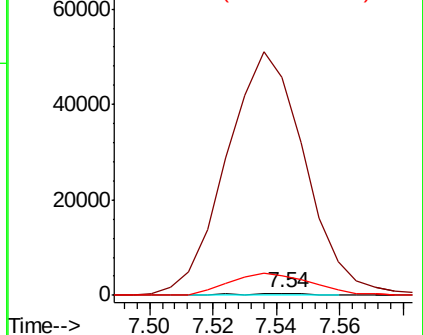
93 100

66 10532.7 29.1 43.7#

65 945.9 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: 117.460 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

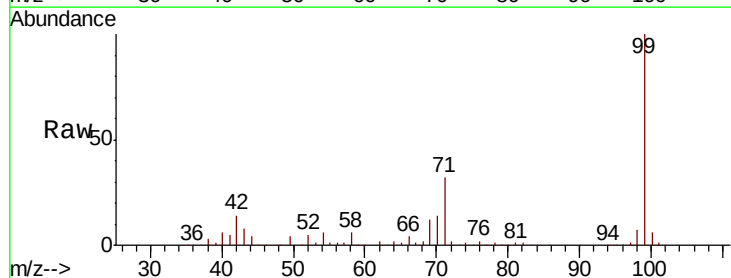
Tgt Ion: 99 Resp: 467726

Ion Ratio Lower Upper

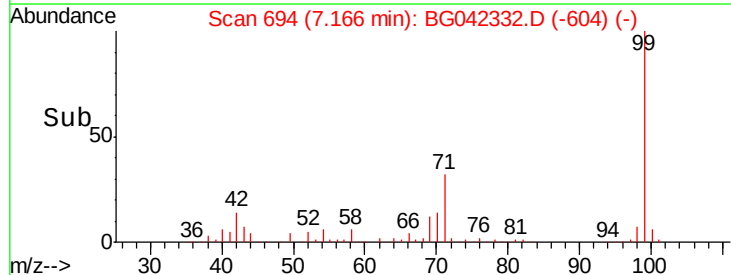
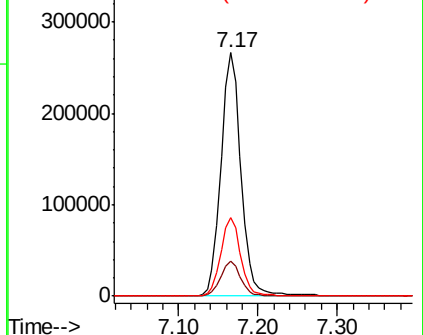
99 100

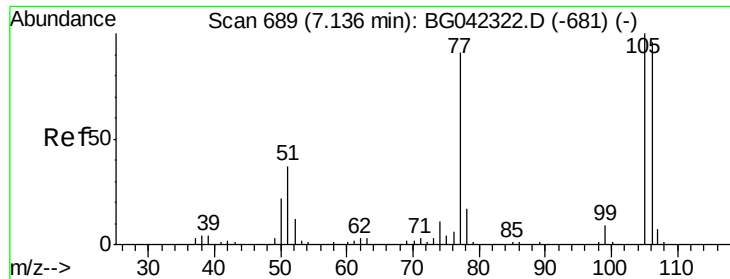
42 14.4 11.4 17.0

71 32.3 25.1 37.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 0.221 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.04 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

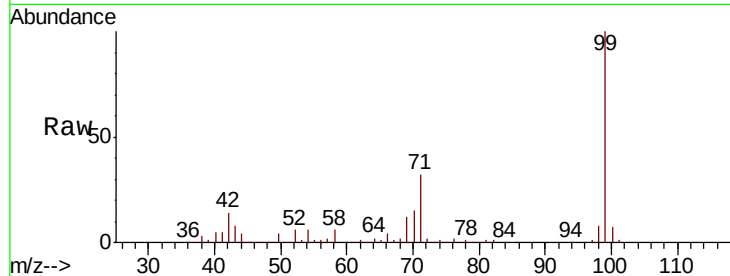
Tot Ion: 77 Resp: 495

Ion Ratio Lower Upper

77 100

105 0.0 89.8 129.8#

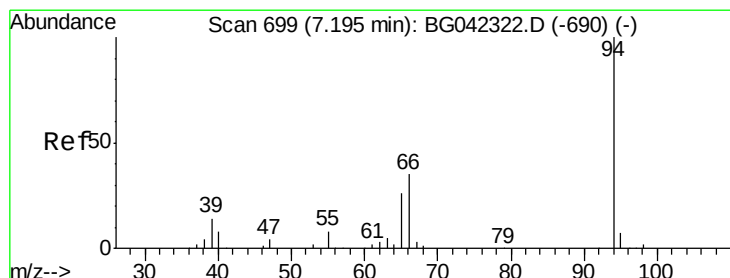
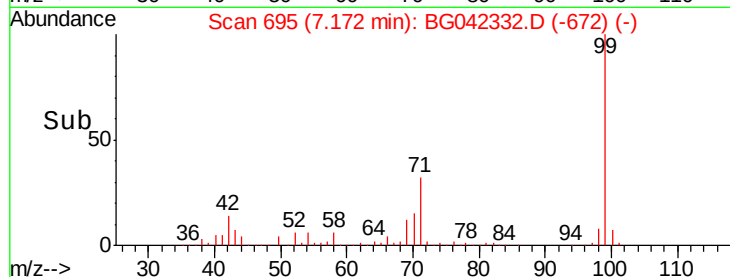
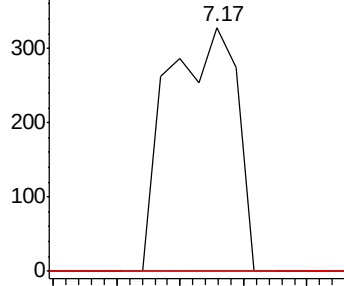
106 0.0 85.1 125.1#



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: 1.318 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

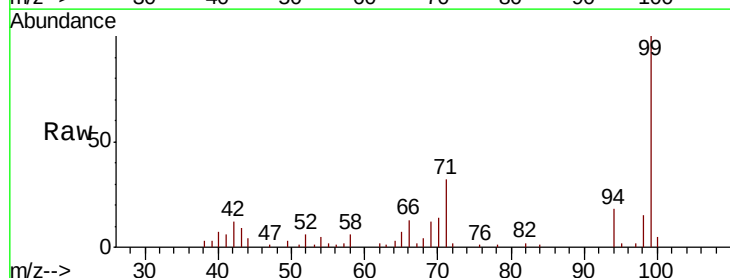
Tgt Ion: 94 Resp: 5335

Ion Ratio Lower Upper

94 100

65 37.1 6.1 46.1

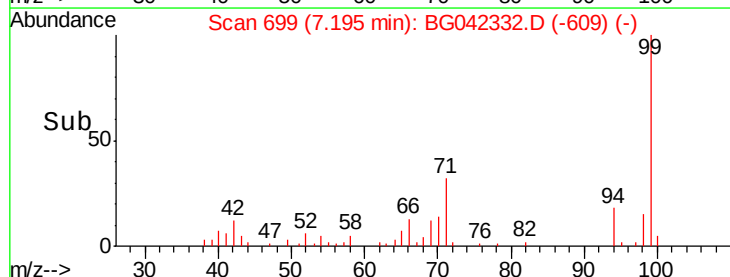
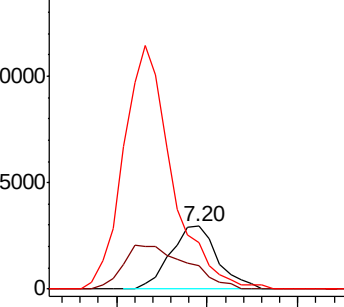
66 73.0 15.7 55.7#

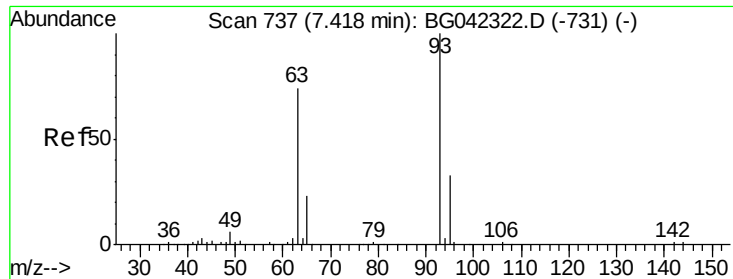


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

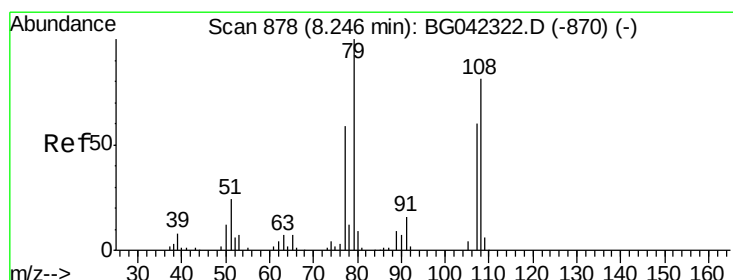
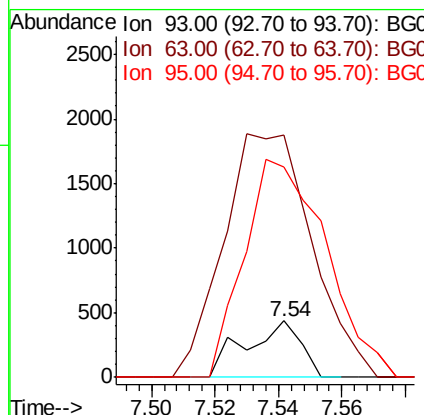
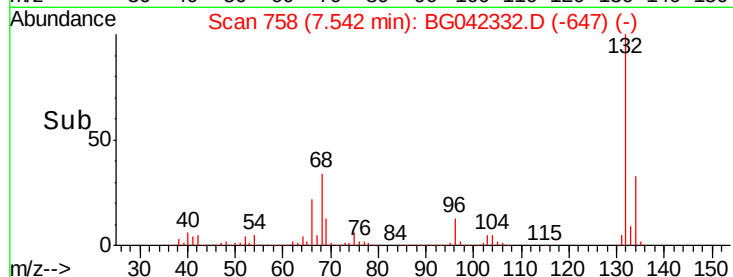
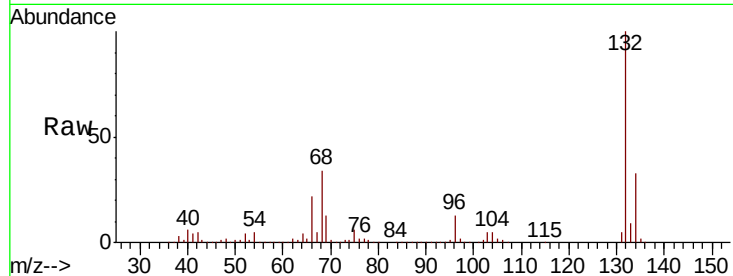




#11
 bis(2-Chloroethyl)ether
 Concen: 0.164 ng
 RT: 7.54 min Scan# 758
 Delta R.T. 0.12 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

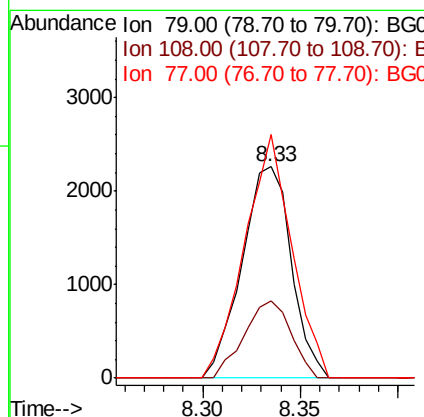
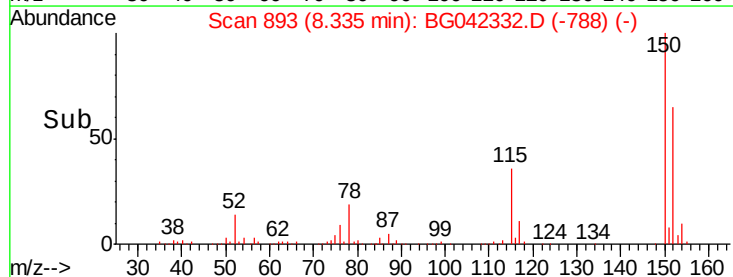
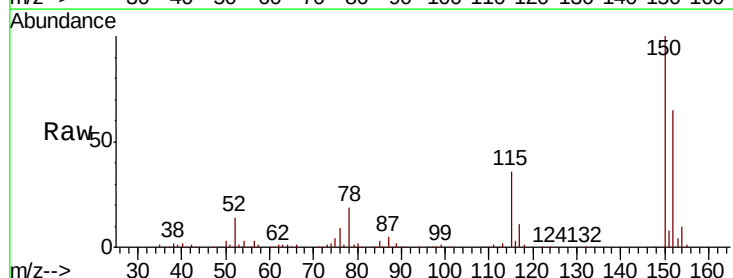
Instrument :
 BNA_G
 ClientSampled :

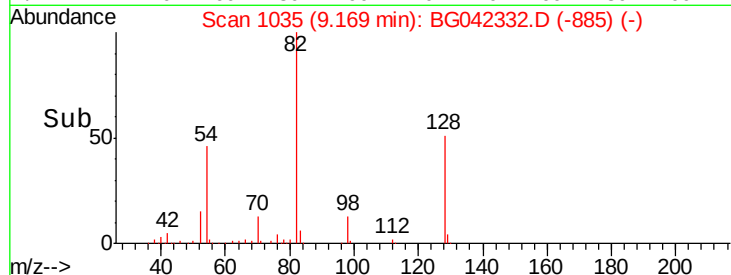
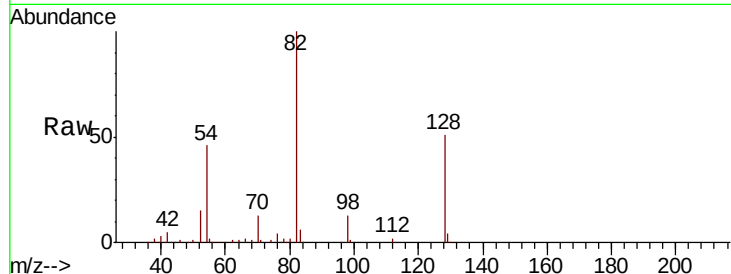
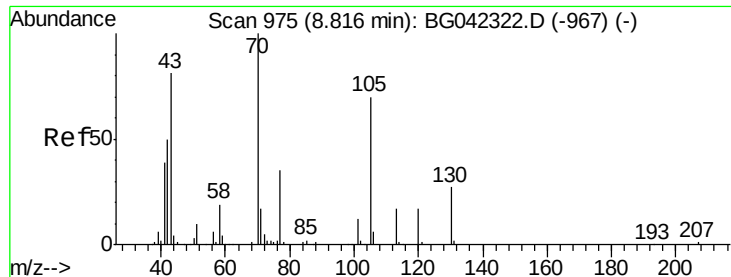
Tot Ion	Ratio	Lower	Upper
93	100		
63	431.8	53.0	93.0#
95	375.1	13.0	53.0#



#15
 Benzyl Alcohol
 Concen: 1.447 ng
 RT: 8.33 min Scan# 893
 Delta R.T. 0.09 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
79	100		
108	36.6	64.8	97.2#
77	115.1	47.6	71.4#

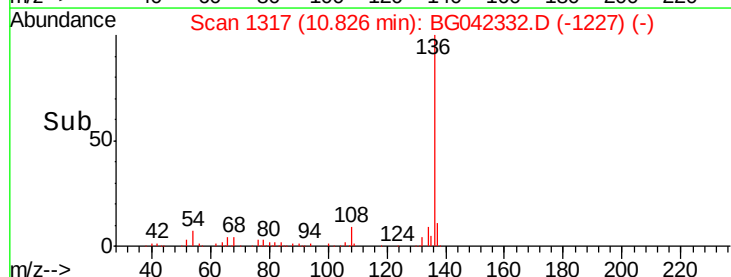
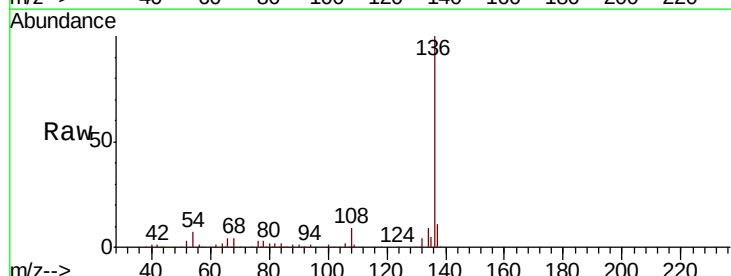
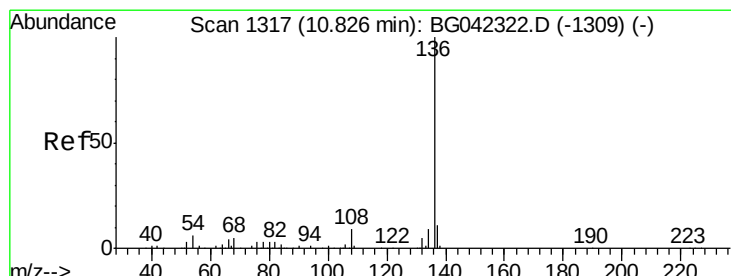
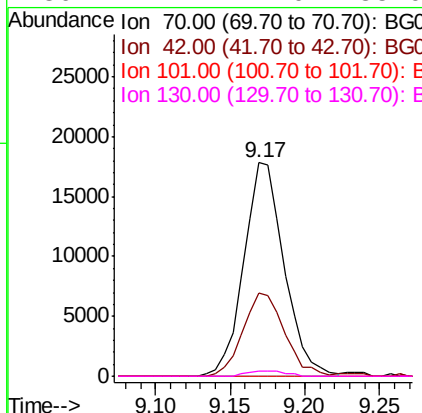




#19
n-Nitroso-di-n-propylamine
Concen: 13.016 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

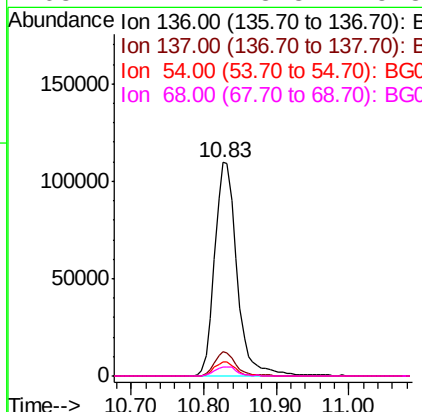
Instrument :
BNA_G
ClientSampleId :

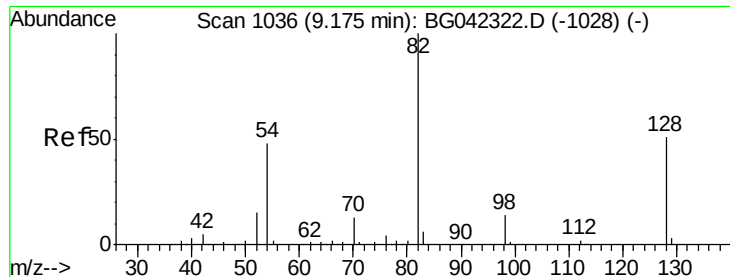
Tot Ion: 70 Resp: 33336
Ion Ratio Lower Upper
70 100
42 38.9 40.5 60.7#
101 0.0 9.3 13.9#
130 2.4 22.0 33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion: 136 Resp: 235162
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.7 5.0 7.4
68 4.4 3.8 5.8

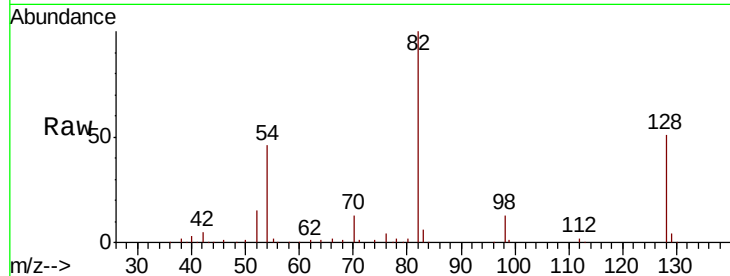




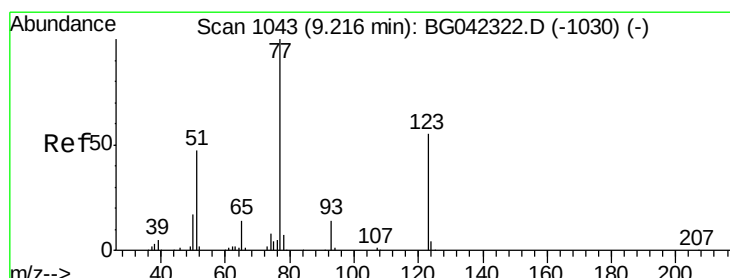
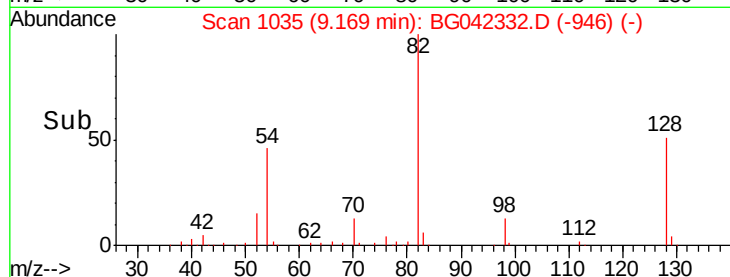
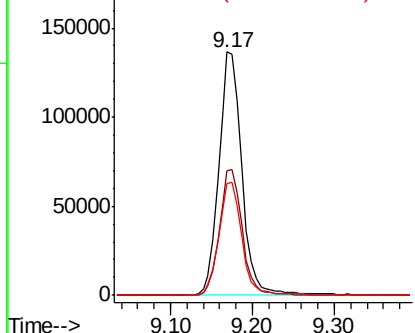
#23
 Nitrobenzene-d5
 Concen: 79.930 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	267251
Ion Ratio	100	Lower	Upper
128	51.0	41.0	61.4
54	45.8	38.0	57.0

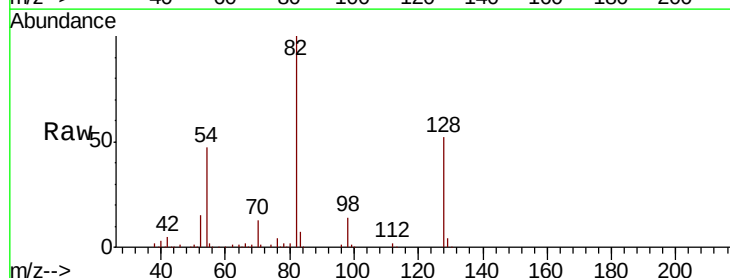


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

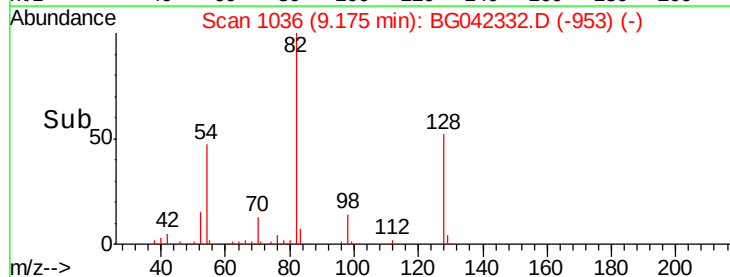
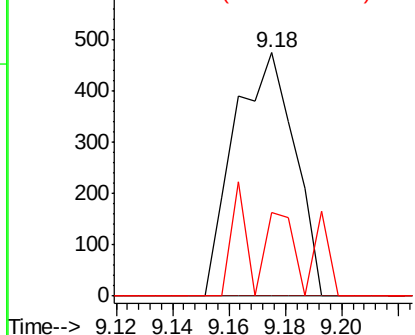


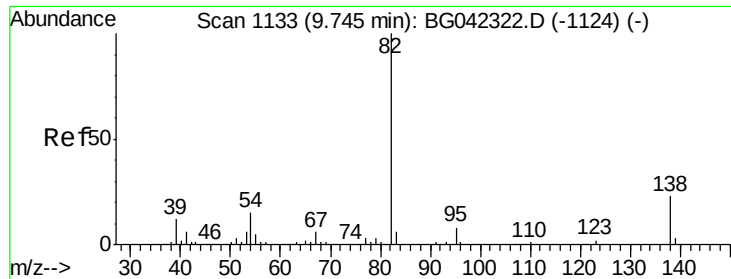
#24
 Nitrobenzene
 Concen: 0.206 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Tgt Ion	77	Resp	702
Ion Ratio	100	Lower	Upper
123	0.0	43.7	65.5#
65	34.4	10.9	16.3#



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 0.019 ng

RT: 9.51 min Scan# 1093

Delta R.T. -0.23 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

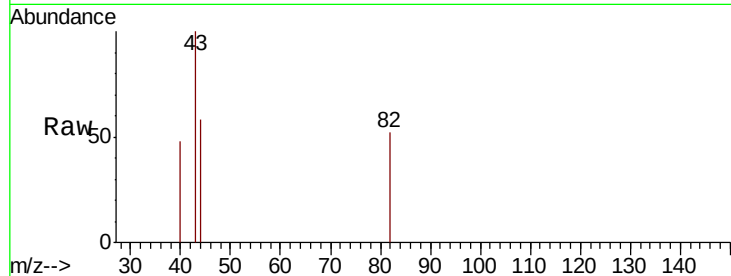
Tot Ion: 82 Resp: 127

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

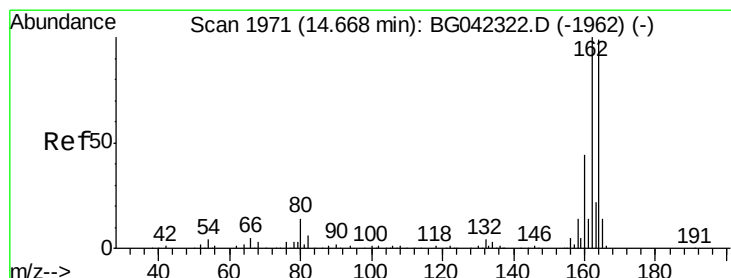
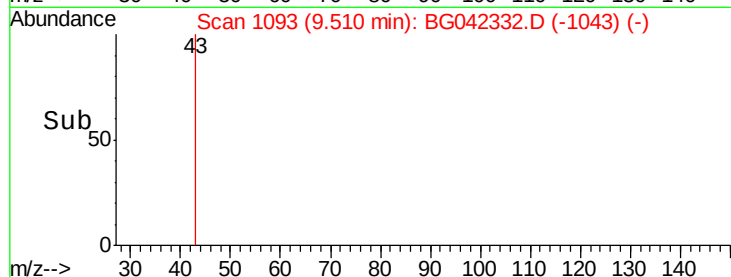
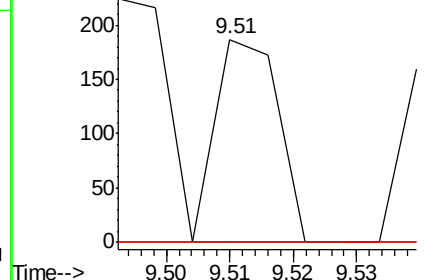
138 0.0 18.2 27.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

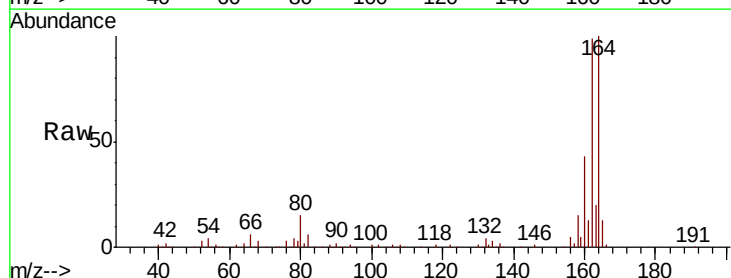
Tgt Ion:164 Resp: 168743

Ion Ratio Lower Upper

164 100

162 99.0 80.6 120.8

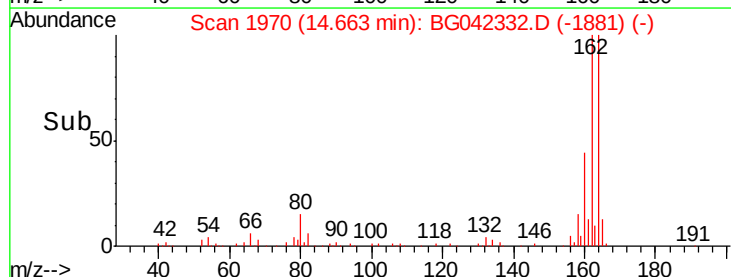
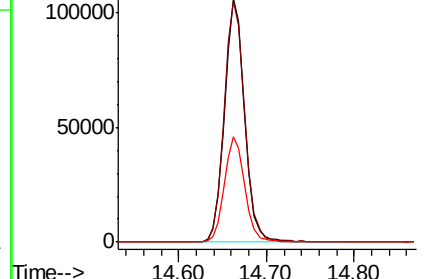
160 43.3 35.7 53.5

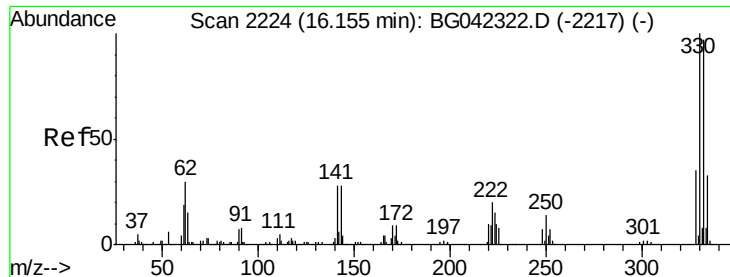


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 114.068 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042332.D

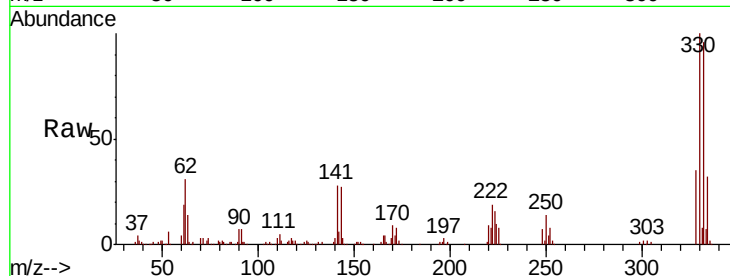
Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	330	Resp:	262156
Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	28.2	21.8	32.6

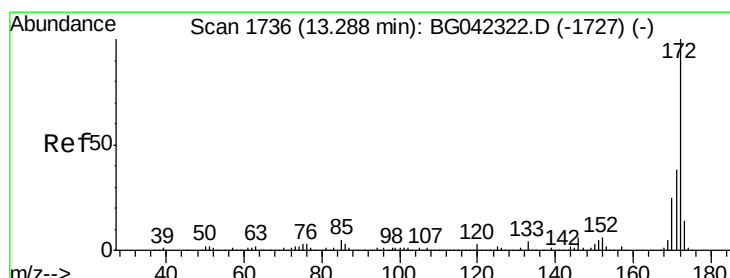
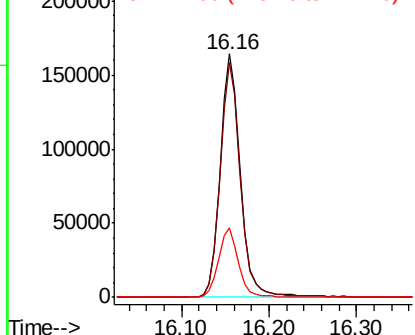
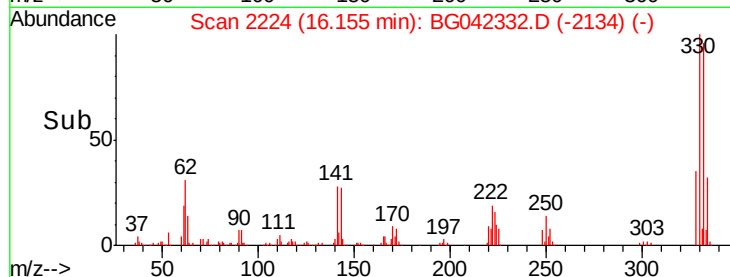


Abundance

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: 76.995 ng

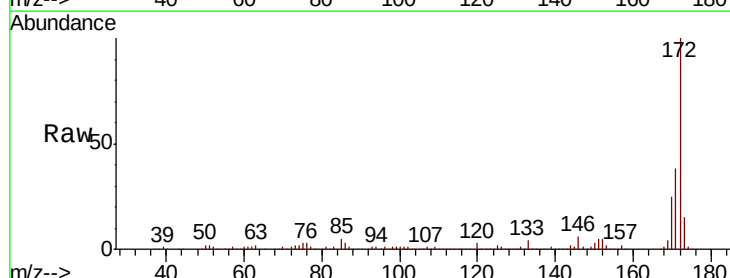
RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Tgt Ion:	172	Resp:	767802
Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.3	45.5
170	24.9	20.0	30.0

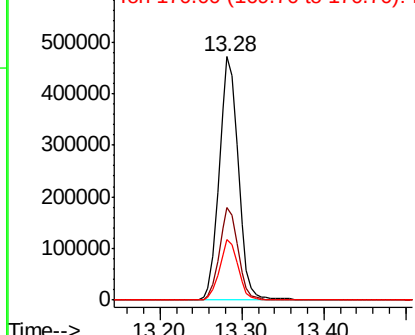
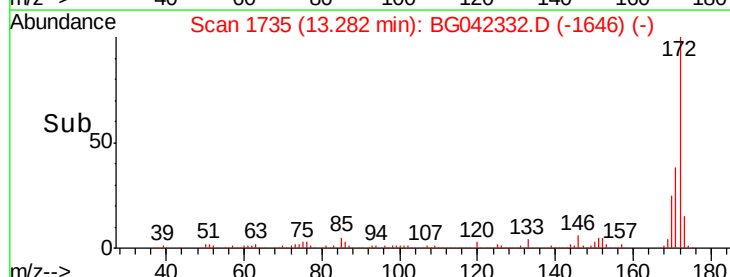


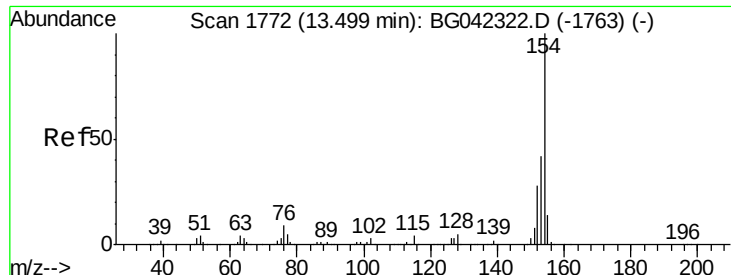
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

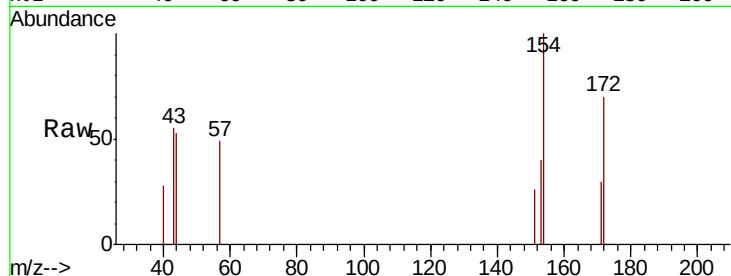




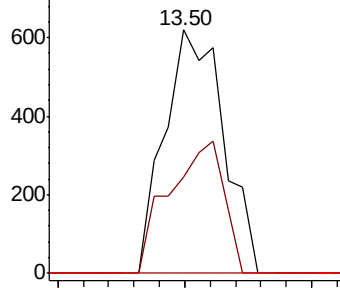
#46
 1,1'-Biphenyl
 Concen: 0.091 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :

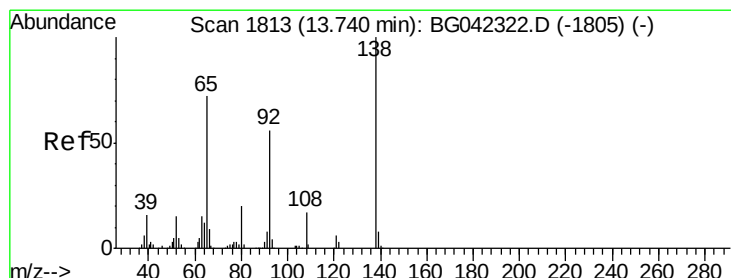
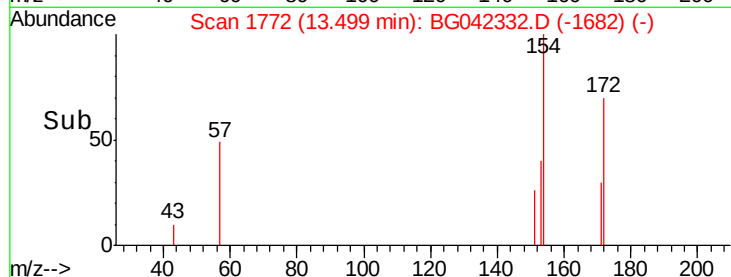
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.9	61.9
76	0.0	0.0	29.3



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

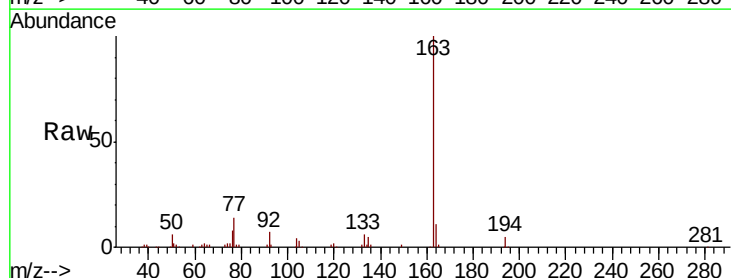


Time--> 13.45 13.50 13.55

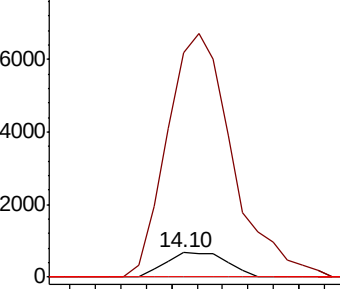


#48
 2-Nitroaniline
 Concen: 0.511 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. 0.36 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

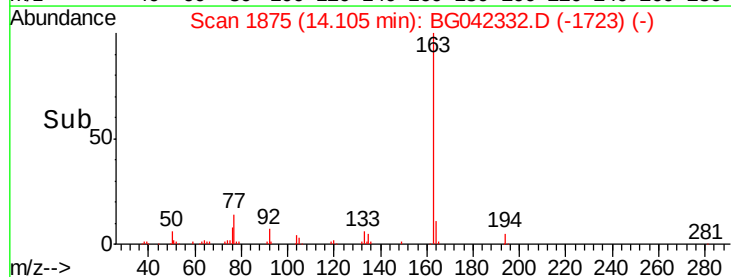
Tgt Ion	Ratio	Lower	Upper
65	100		
92	924.7	62.6	94.0#
138	0.0	111.5	167.3#

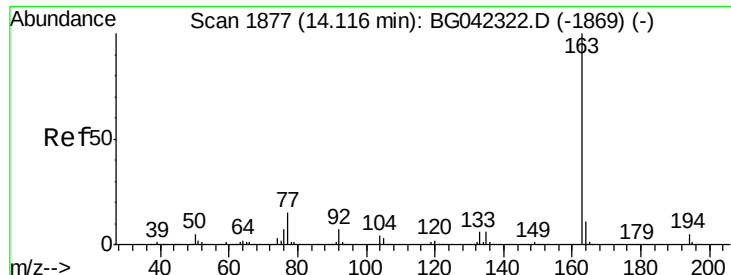


Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E



Time--> 14.10 14.15





#50

Dimethylphthalate

Concen: 15.624 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampled :

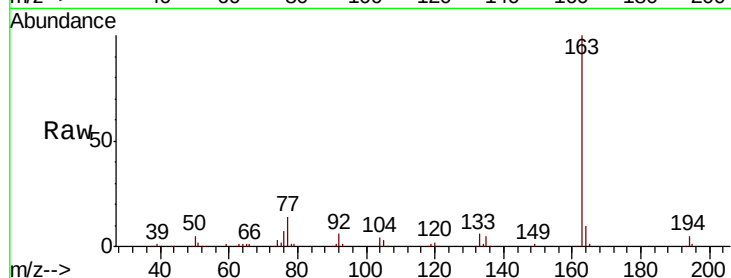
Tot Ion:163 Resp: 187343

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

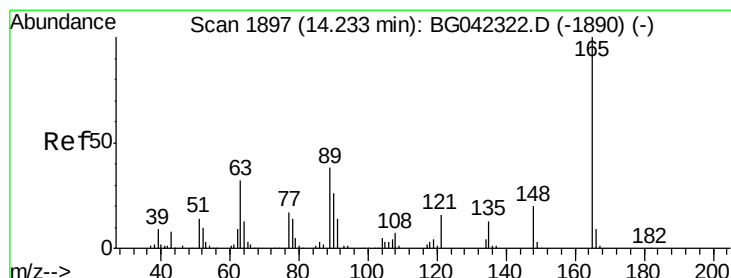
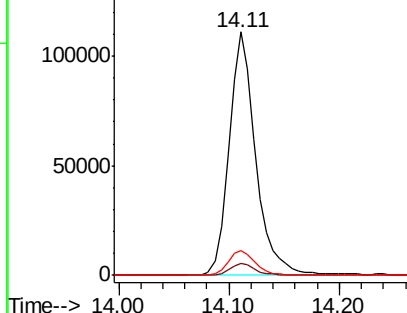
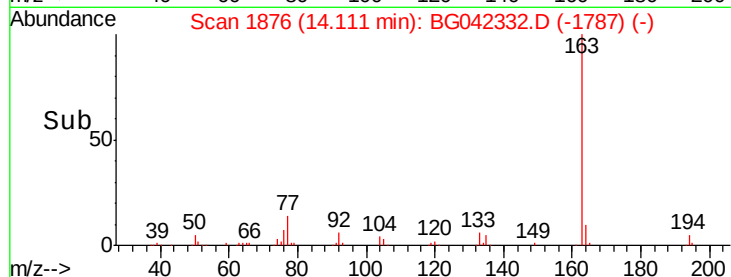
164 10.2 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 0.724 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

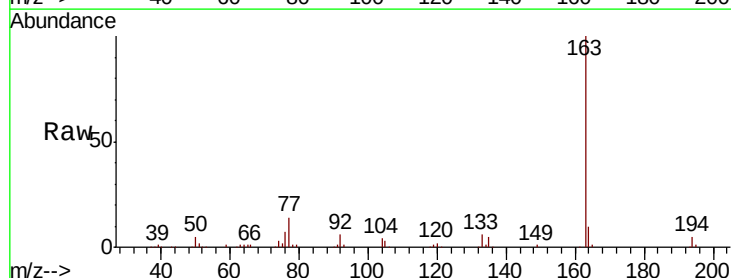
Tgt Ion:165 Resp: 2033

Ion Ratio Lower Upper

165 100

63 113.4 28.2 42.2#

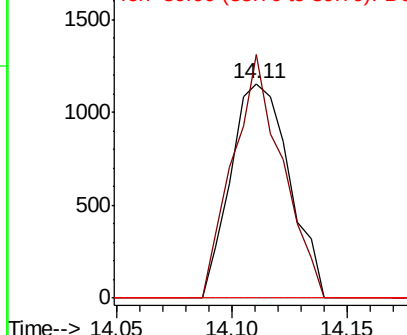
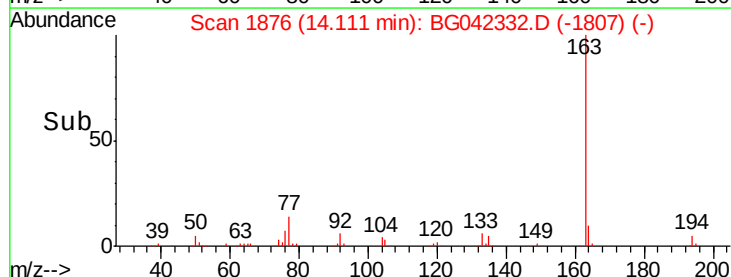
89 0.0 30.0 45.0#

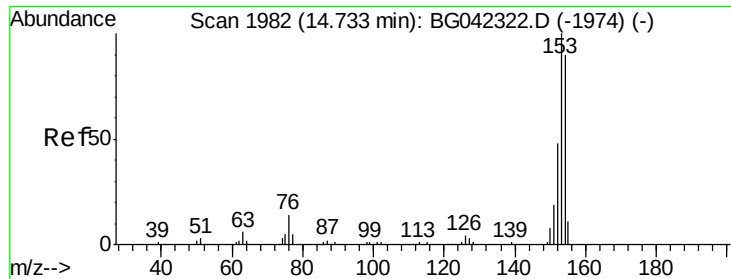


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.064 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.06 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

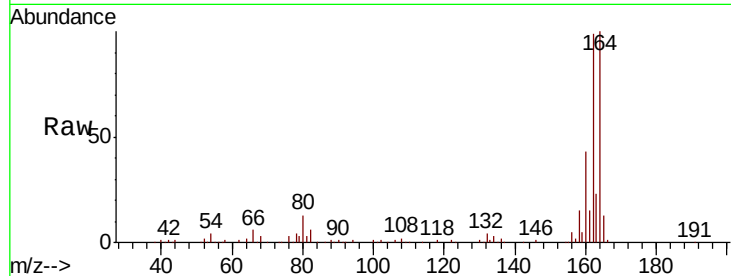
Tot Ion:154 Resp: 553

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

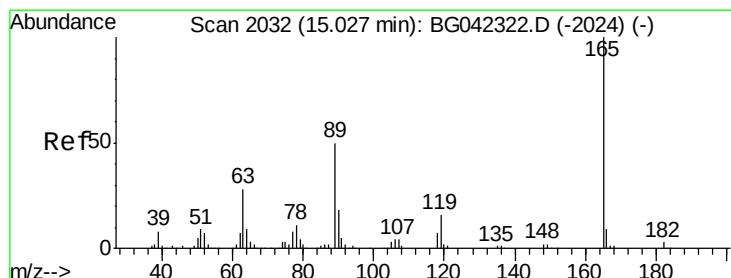
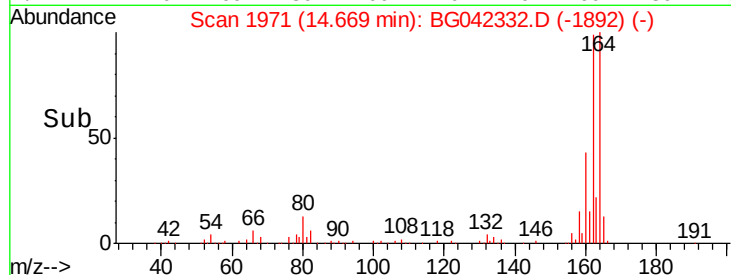
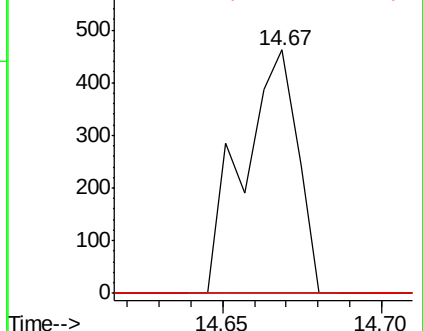
152 0.0 43.1 64.7#



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: 5.610 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Tgt Ion:165 Resp: 22011

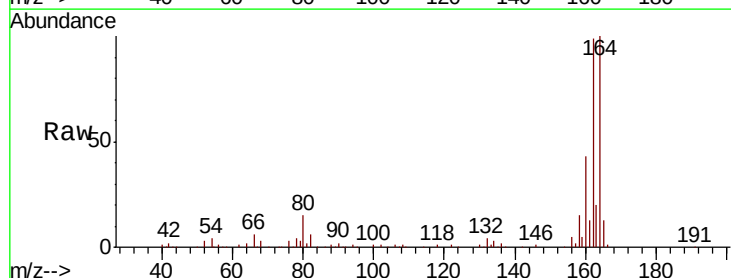
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 1.4 40.2 60.2#

182 0.0 2.6 3.8#

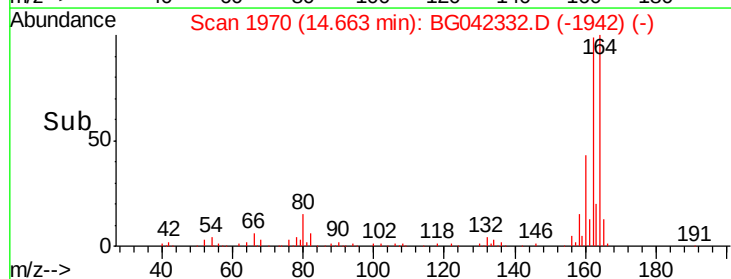
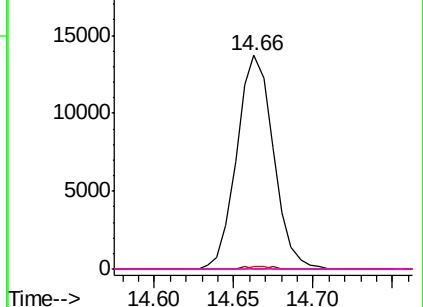


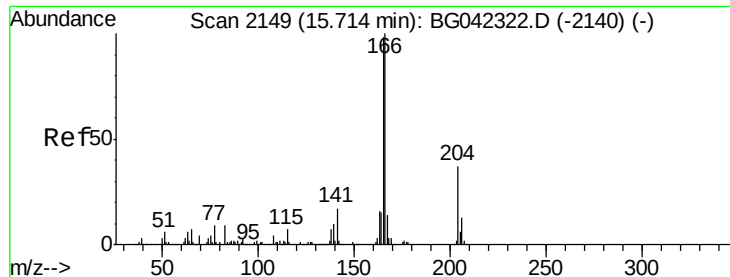
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.871 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

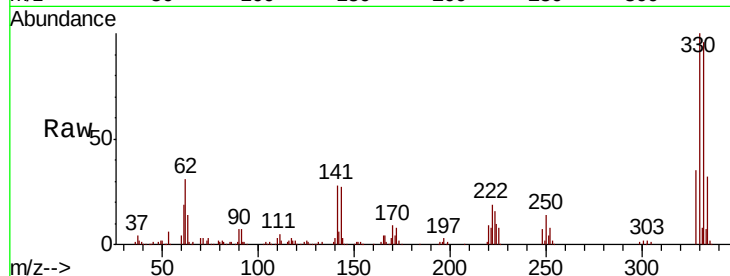
Tot Ion:166 Resp: 9935

Ion Ratio Lower Upper

166 100

165 96.5 78.7 118.1

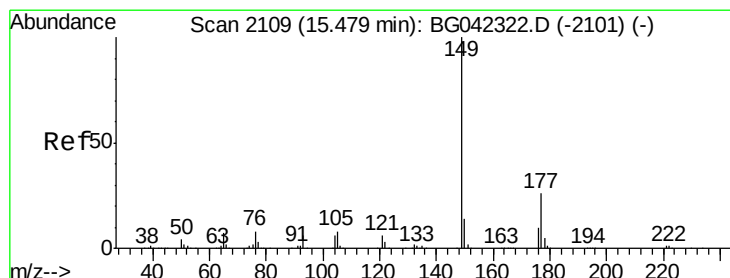
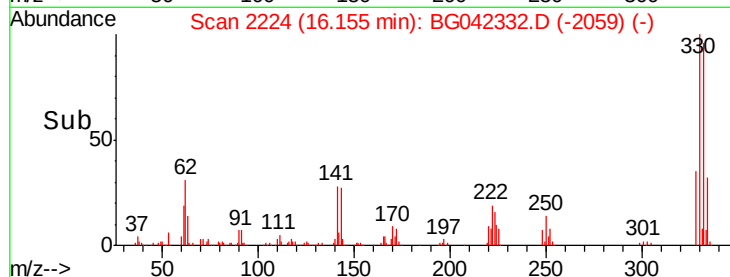
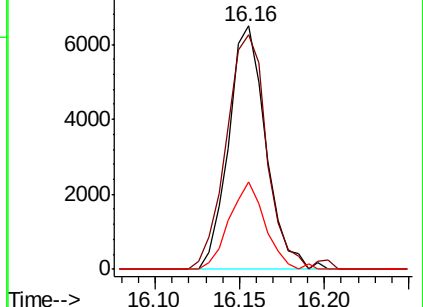
167 36.2 11.1 16.7#



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: 0.023 ng

RT: 15.49 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

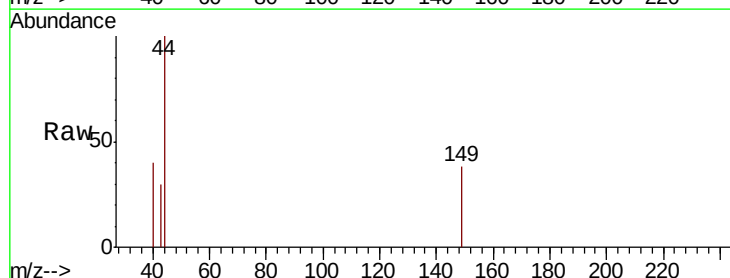
Tgt Ion:149 Resp: 262

Ion Ratio Lower Upper

149 100

177 0.0 20.7 31.1#

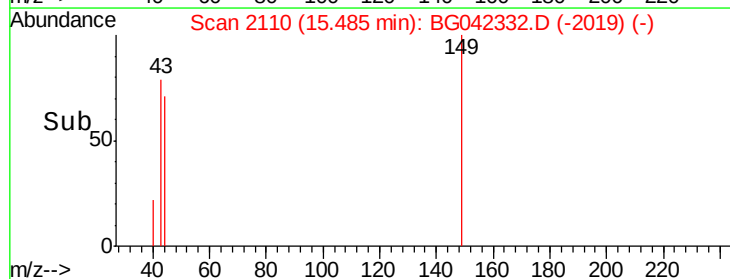
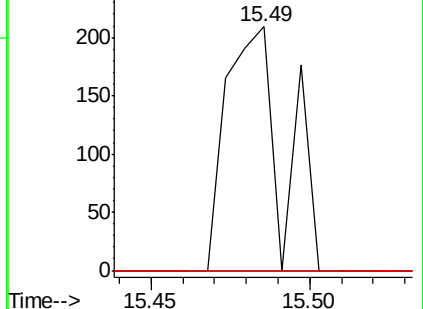
150 0.0 11.0 16.4#

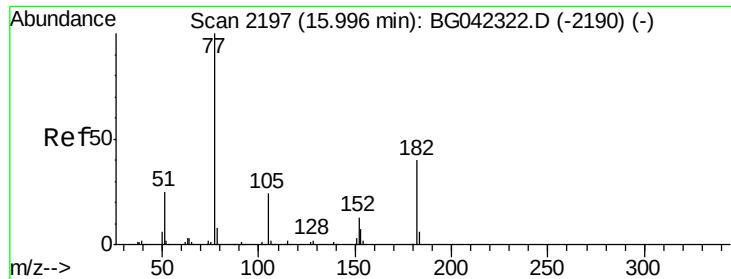


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

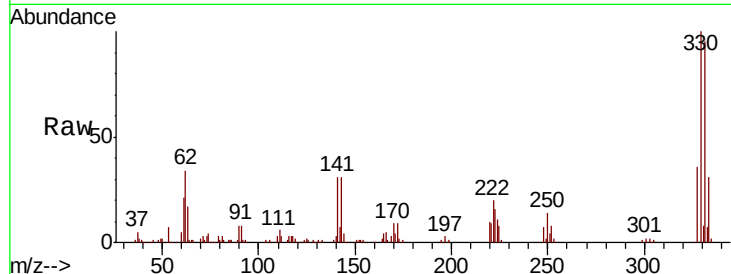




#63
Azobenzene
Concen: 0.090 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.15 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
77	100		
182	0.0	19.7	59.7#
105	103.4	3.5	43.5#
51	69.6	5.4	45.4#



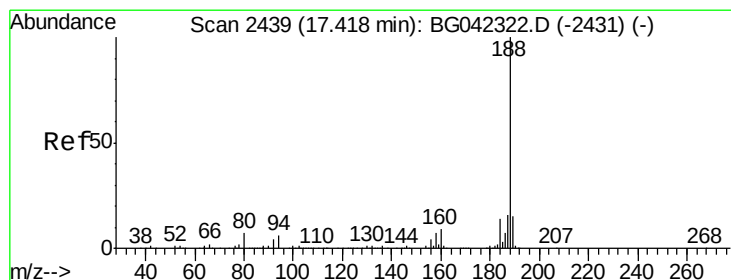
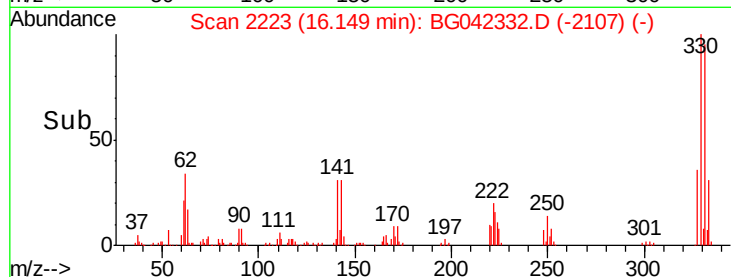
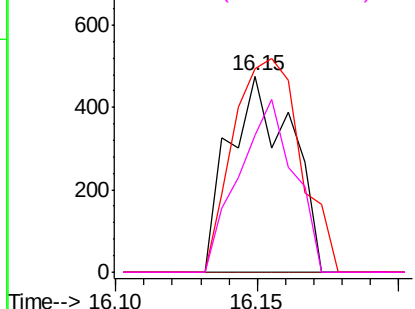
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

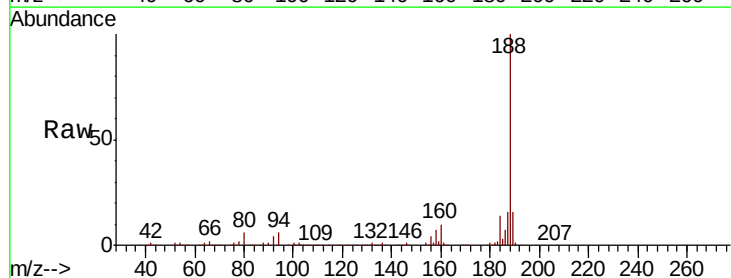
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	4.9	7.3
80	6.4	5.4	8.0

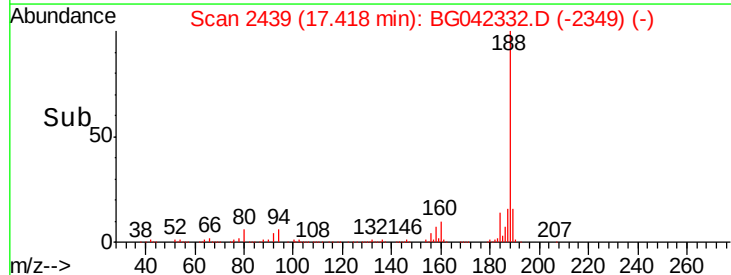
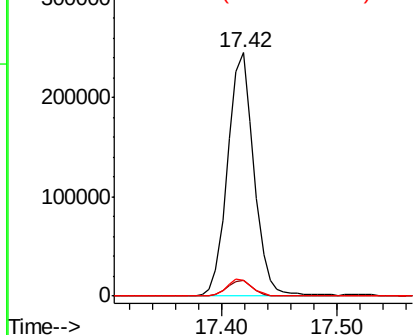


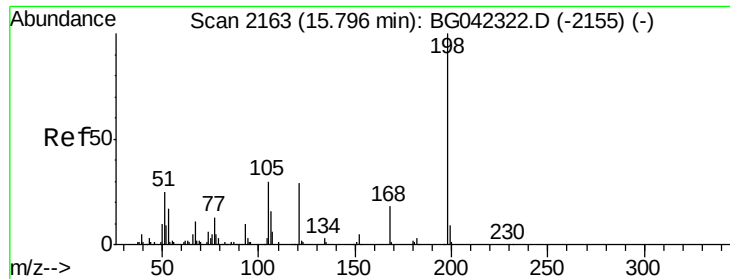
Abundance

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: 0.178 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.35 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

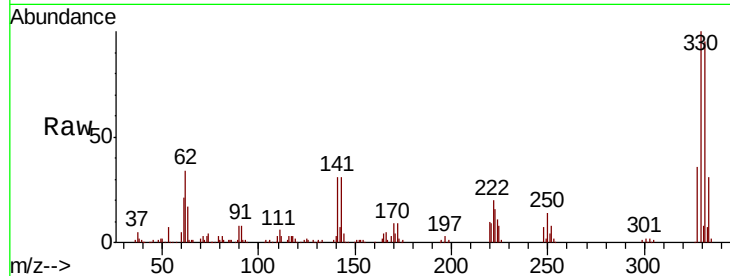
Tot Ion:198 Resp: 420

Ion Ratio Lower Upper

198 100

51 96.5 6.4 46.4#

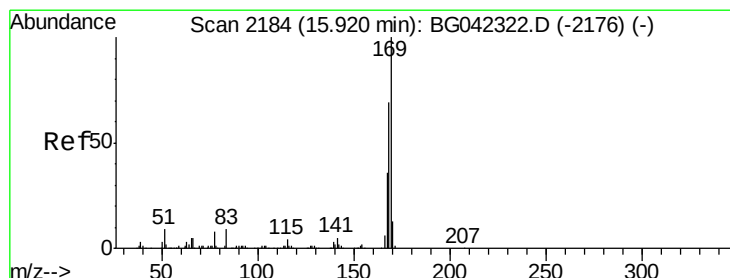
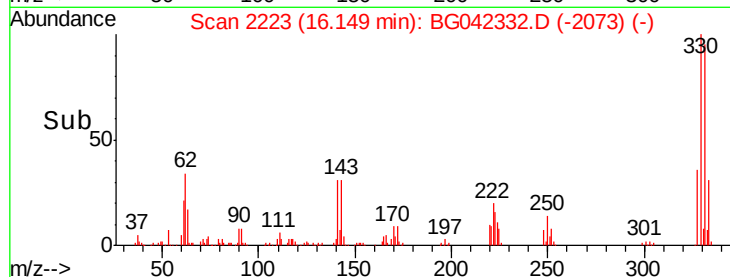
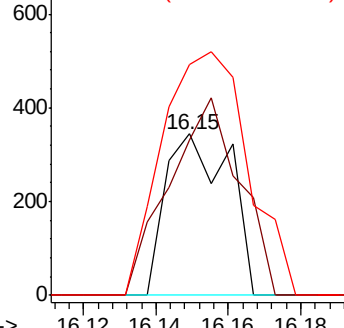
105 143.3 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.739 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.24 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

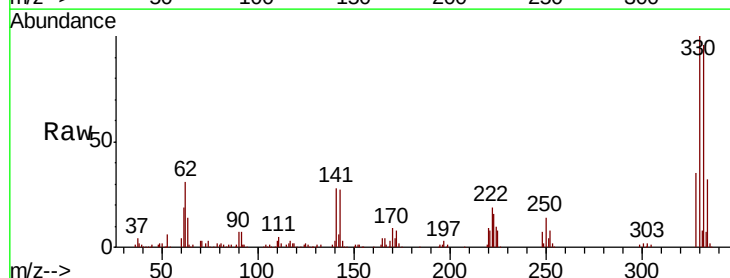
Tgt Ion:169 Resp: 7995

Ion Ratio Lower Upper

169 100

168 6.9 55.5 83.3#

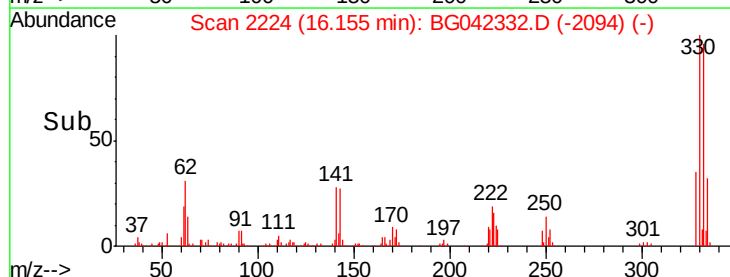
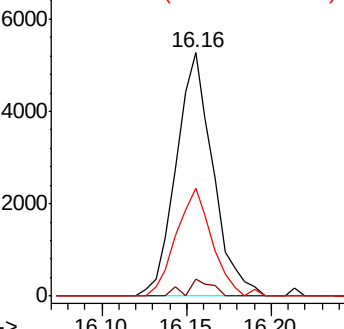
167 44.6 28.9 43.3#

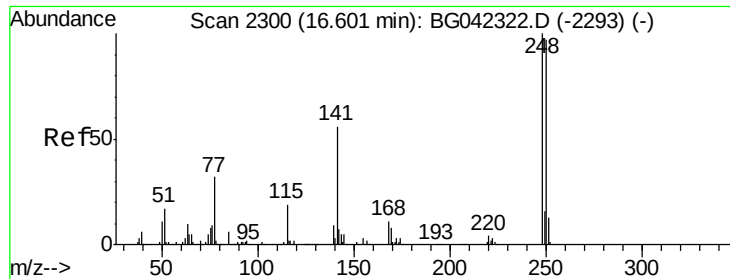


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

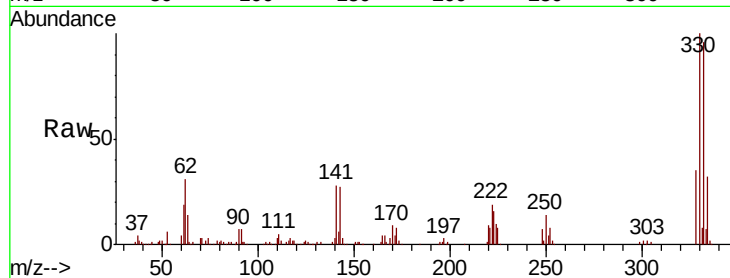




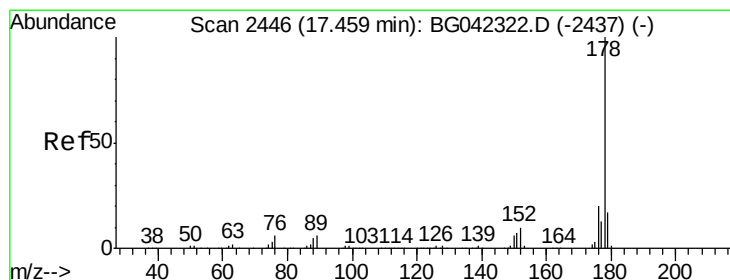
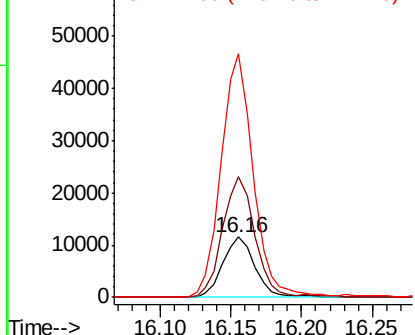
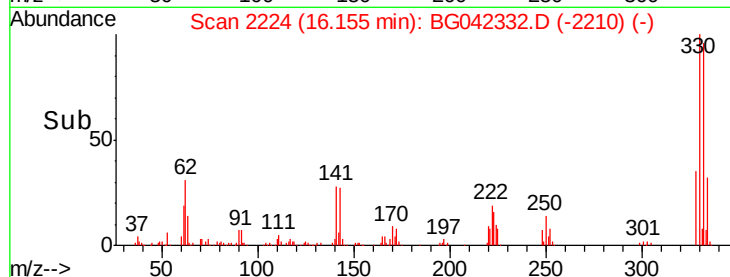
#67
 4-Bromophenyl-phenylether
 Concen: 3.696 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 18199
 Ion Ratio Lower Upper
 248 100
 250 201.8 78.0 117.0#
 141 406.1 44.9 67.3#

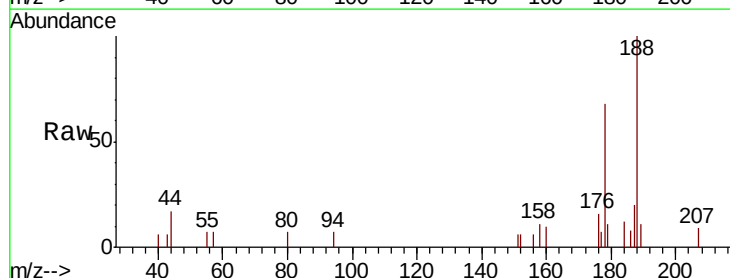


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

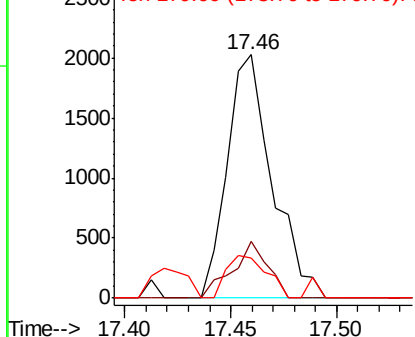
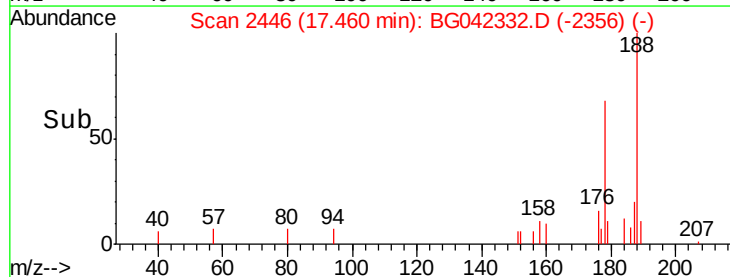


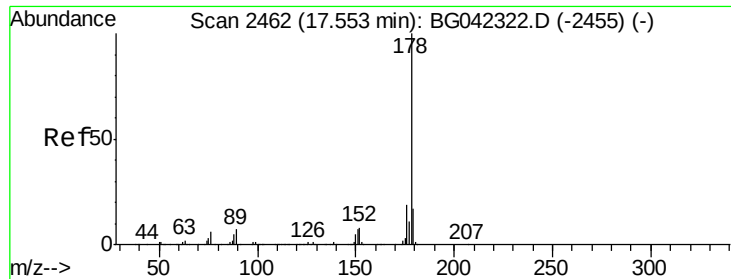
#71
 Phenanthrene
 Concen: 0.155 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Tgt Ion:178 Resp: 2980
 Ion Ratio Lower Upper
 178 100
 176 23.4 16.2 24.4
 179 16.5 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: 0.011 ng

RT: 17.57 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

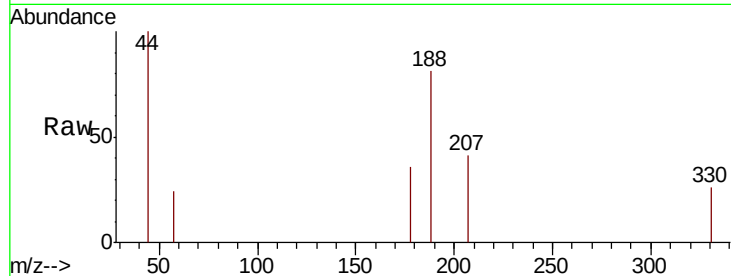
Tot Ion:178 Resp: 204

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

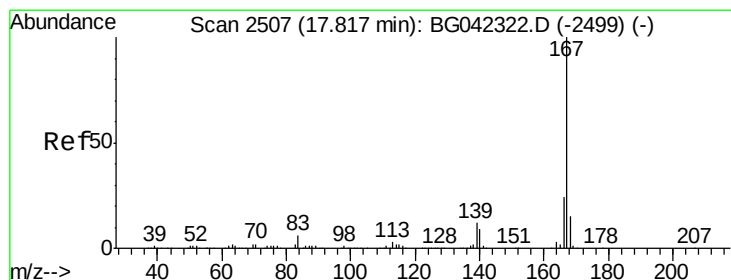
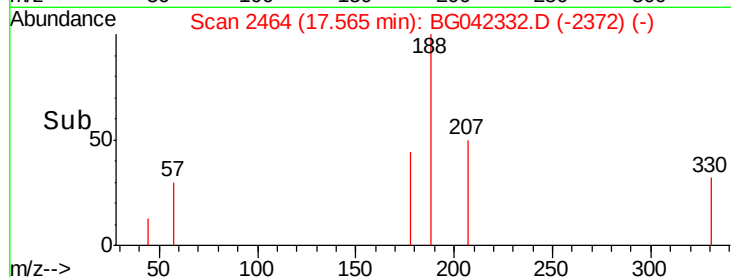
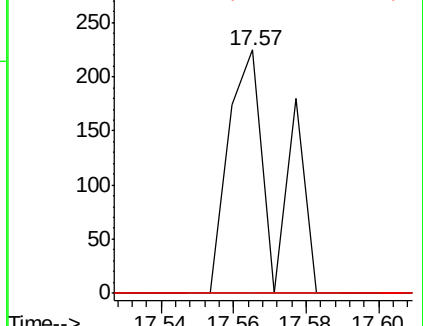
179 0.0 13.6 20.4#



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



#73

Carbazole

Concen: 0.004 ng

RT: 17.85 min Scan# 2512

Delta R.T. 0.03 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

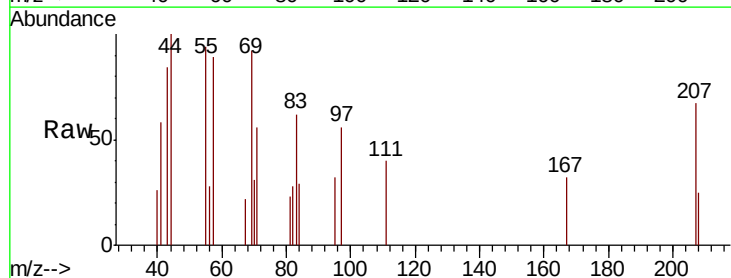
Tgt Ion:167 Resp: 75

Ion Ratio Lower Upper

167 100

166 0.0 19.0 28.6#

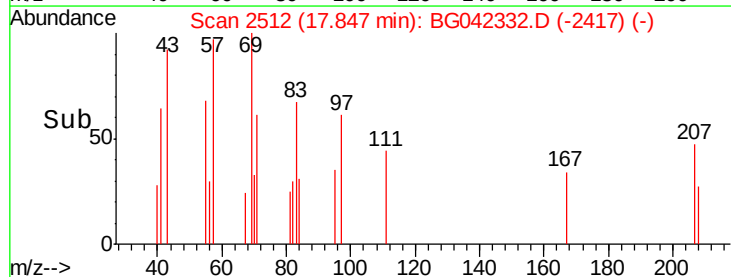
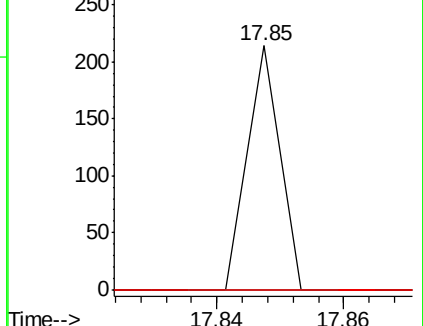
139 0.0 9.7 14.5#

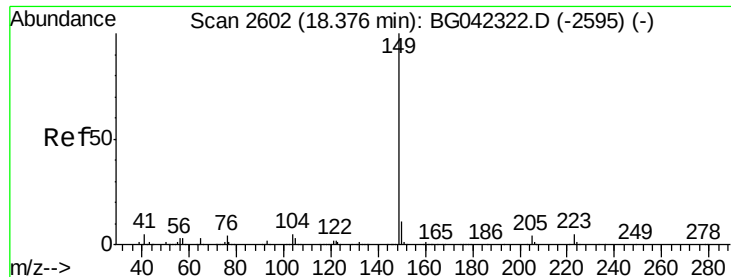


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

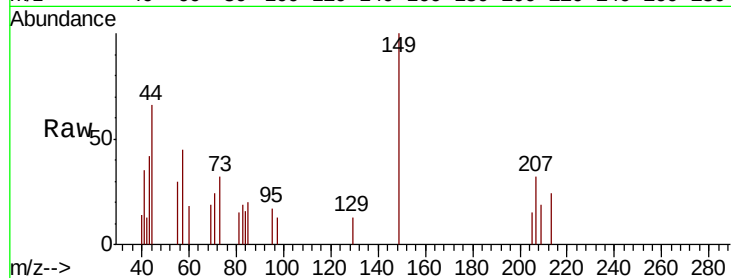




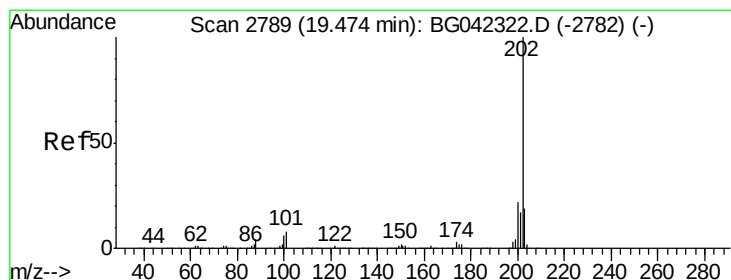
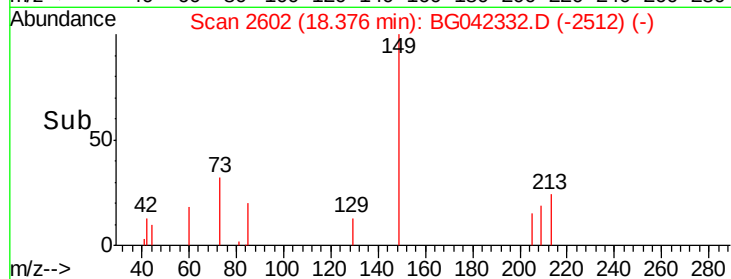
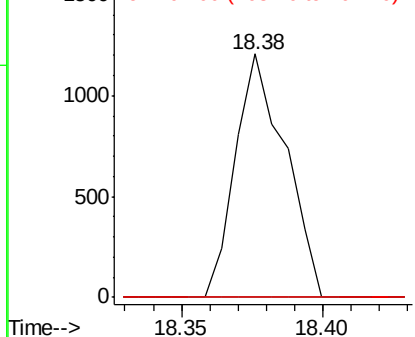
#74
Di-n-butylphthalate
Concen: 0.074 ng
RT: 18.38 min Scan# 2602
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 1478
Ion Ratio Lower Upper
149 100
150 0.0 8.4 12.6#
104 0.0 3.7 5.5#

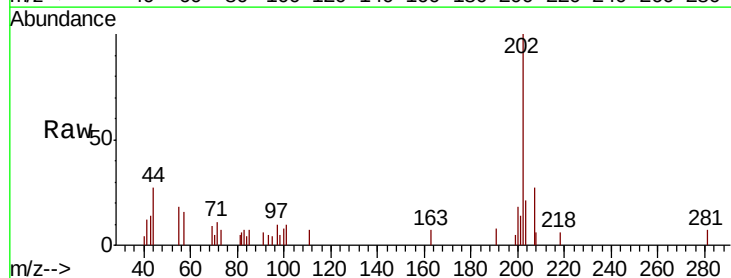


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

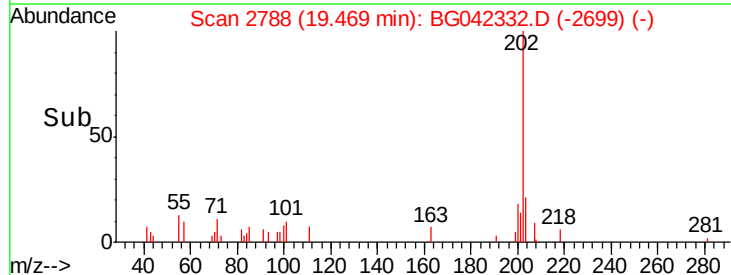
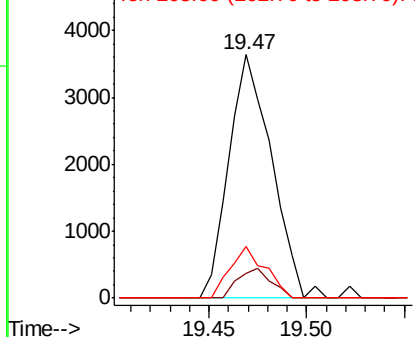


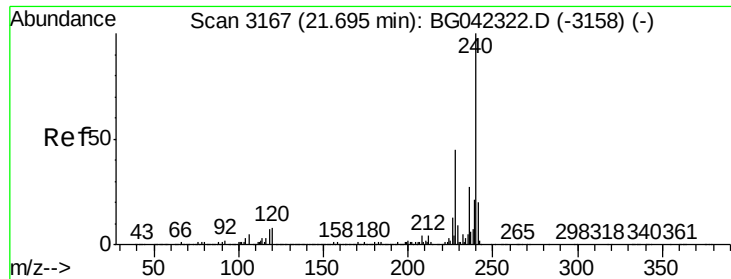
#75
Fluoranthene
Concen: 0.237 ng
RT: 19.47 min Scan# 2788
Delta R.T. -0.01 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion:202 Resp: 5517
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.0
203 21.3 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. -0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

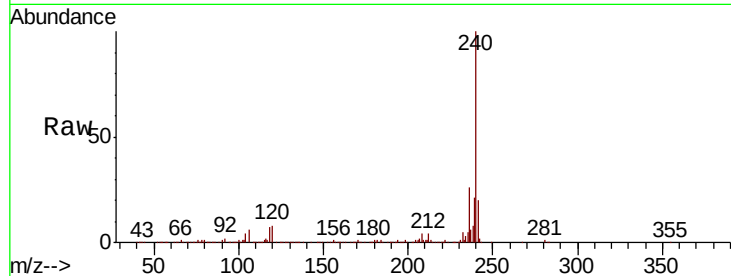
Tot Ion:240 Resp: 403702

Ion Ratio Lower Upper

240 100

120 8.0 6.0 9.0

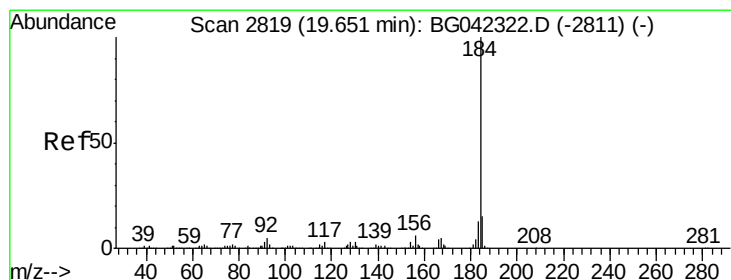
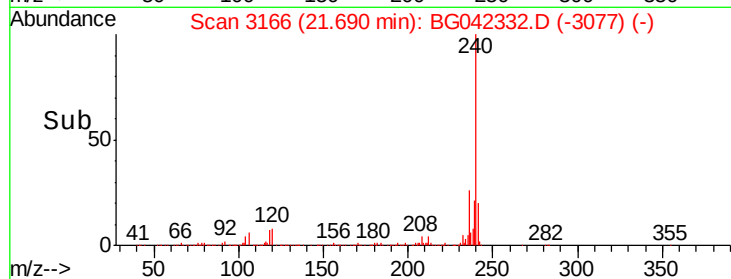
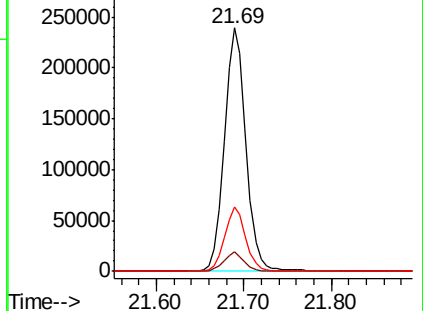
236 26.5 21.6 32.4



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: 1.555 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

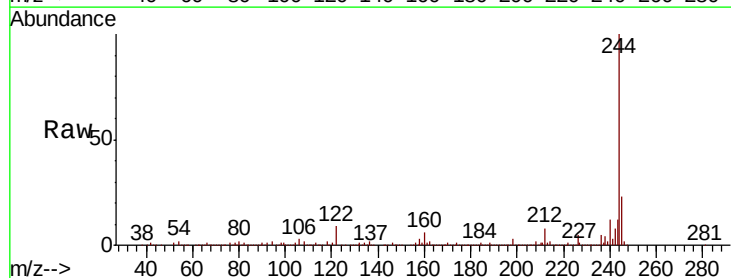
Tgt Ion:184 Resp: 16641

Ion Ratio Lower Upper

184 100

185 15.4 11.8 17.6

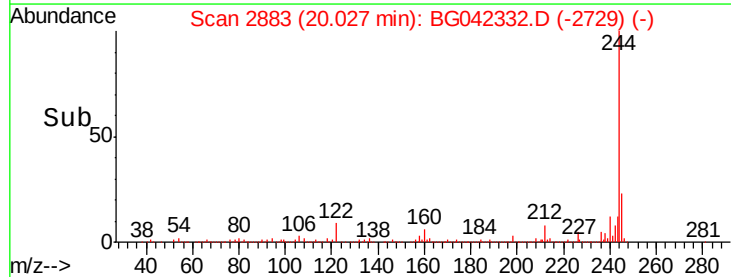
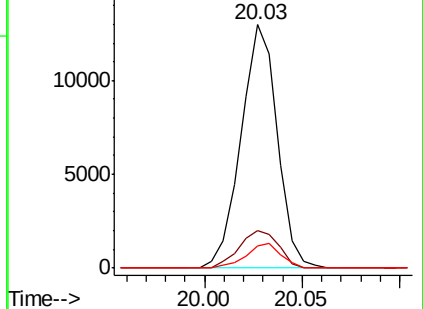
183 8.9 10.6 15.8#

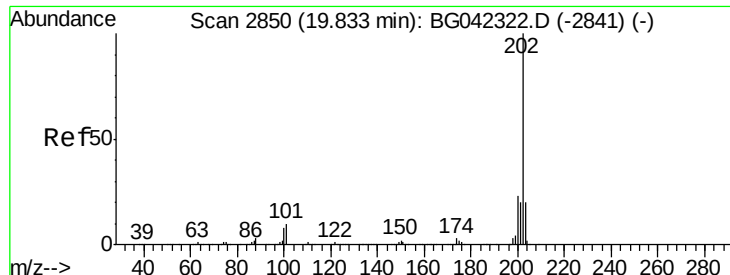


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

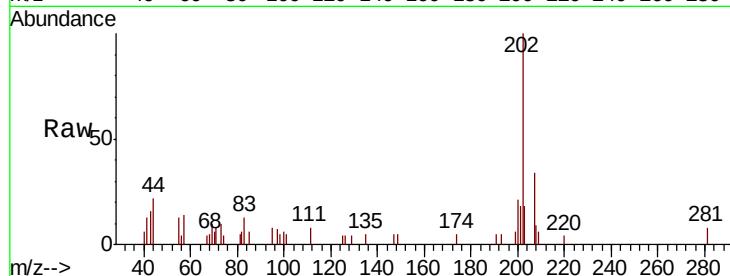




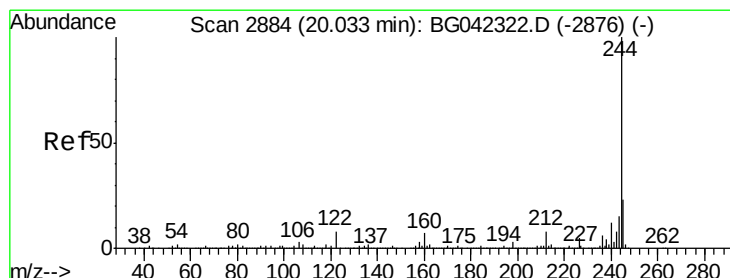
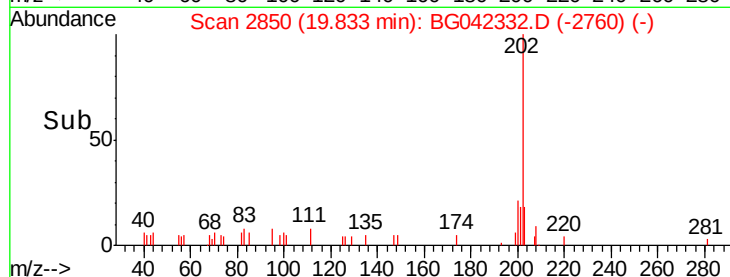
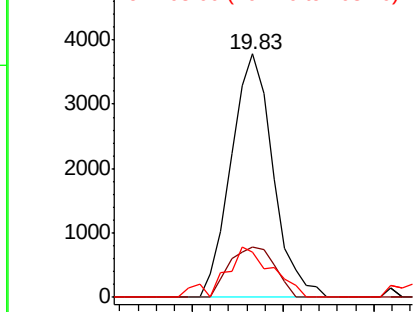
#78
Pvrene
Concen: 0.245 ng
RT: 19.83 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 6074
Ion Ratio Lower Upper
202 100
200 20.9 18.1 27.1
203 18.4 15.8 23.8

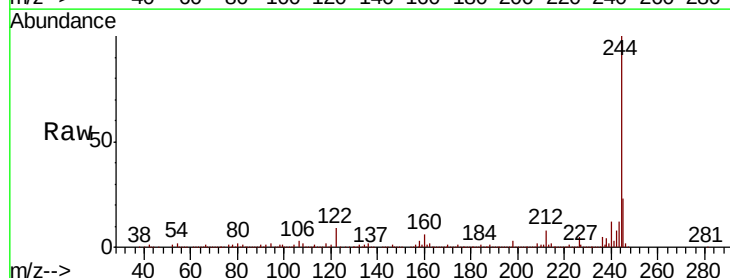


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

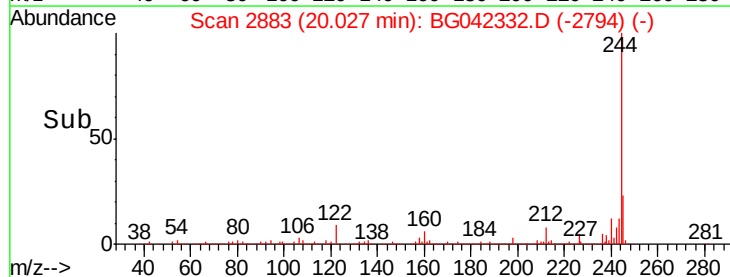
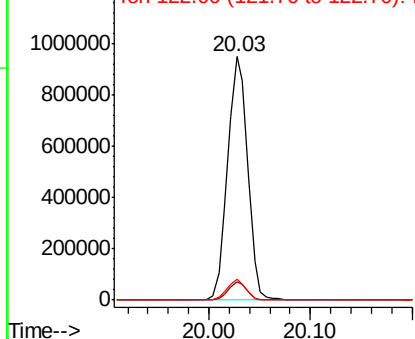


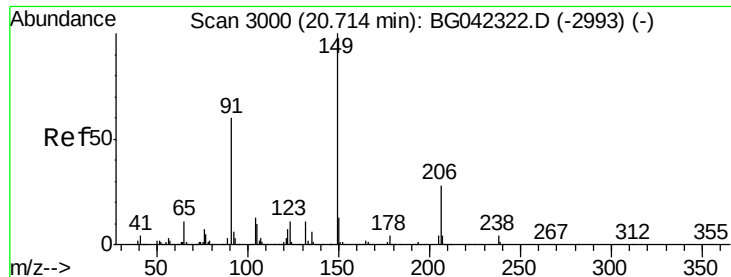
#79
Terphenyl-d14
Concen: 70.858 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.01 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion:244 Resp: 1306021
Ion Ratio Lower Upper
244 100
212 7.5 6.4 9.6
122 8.8 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

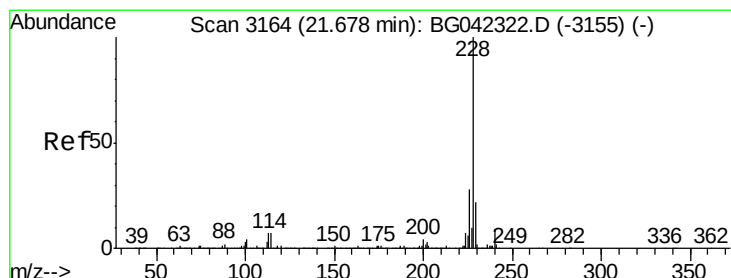
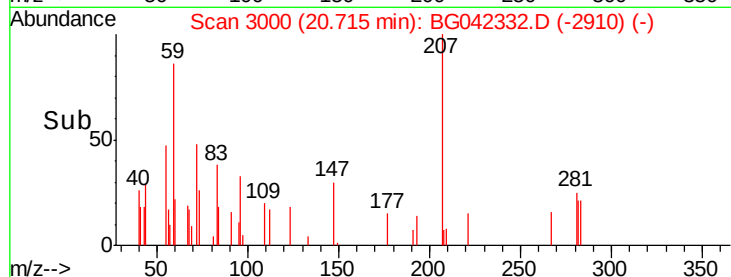
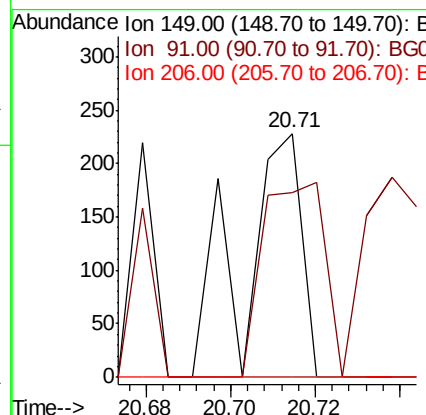
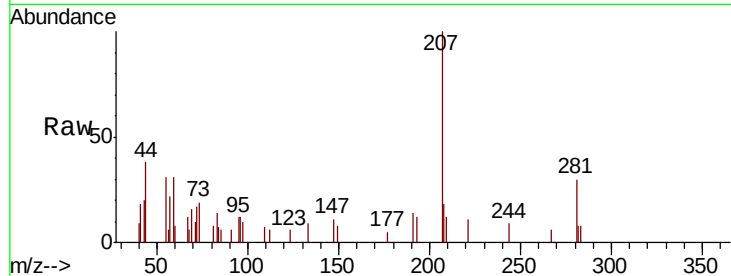




#80
Butylbenzylphthalate
Concen: 0.022 ng
RT: 20.71 min Scan# 3000
Delta R.T. 0.00 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

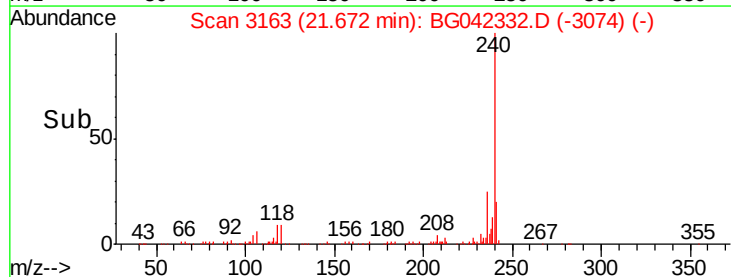
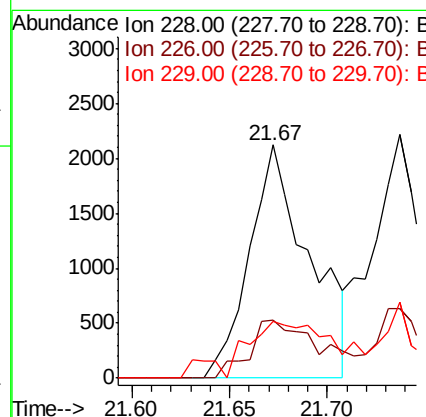
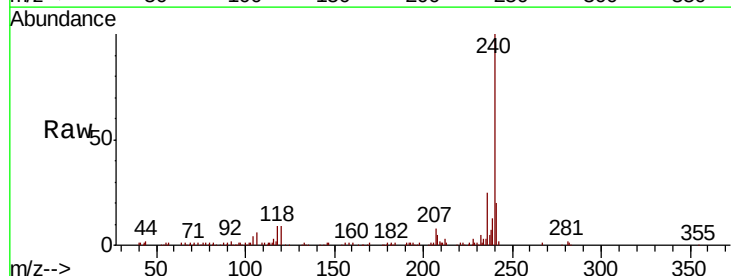
Instrument :
BNA_G
ClientSampleId :

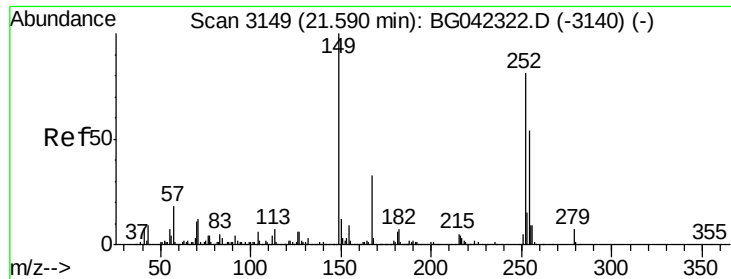
Tot Ion	Ratio	Lower	Upper
149	100		
91	75.9	47.8	71.6#
206	0.0	22.6	33.8#



#81
Benzo(a)anthracene
Concen: 0.182 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG042332.D
Acq: 19 Aug 2019 18:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.1	22.7	34.1
229	24.4	17.4	26.2

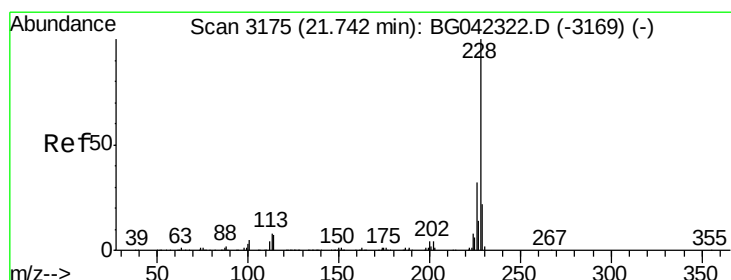
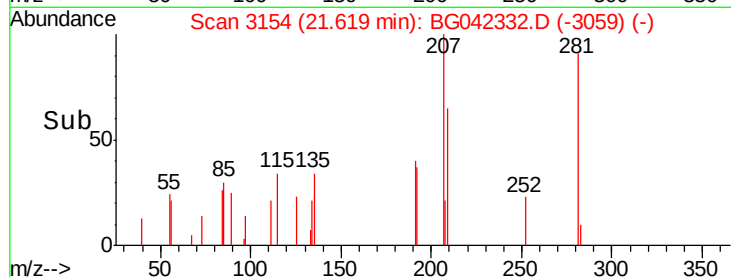
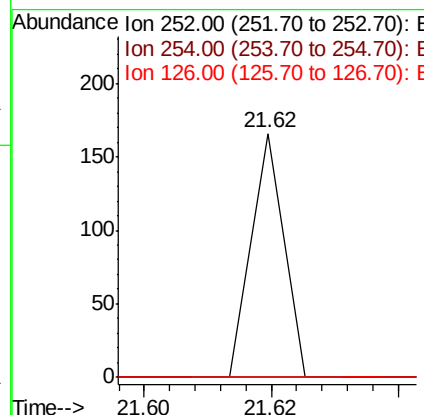
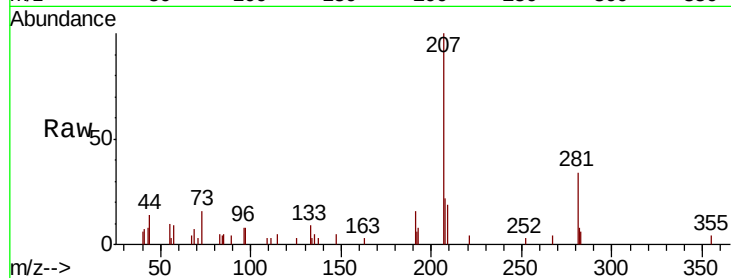




#82
 3,3'-Dichlorobenzidine
 Concen: 0.006 ng
 RT: 21.62 min Scan# 3154
 Delta R.T. 0.03 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

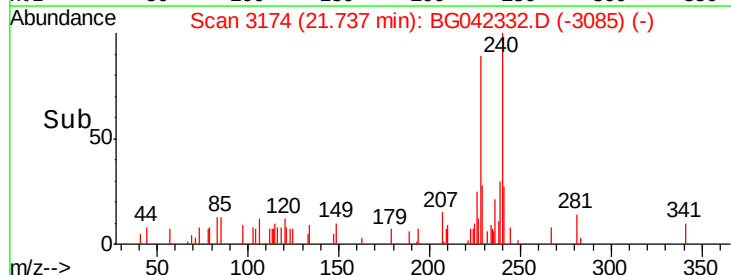
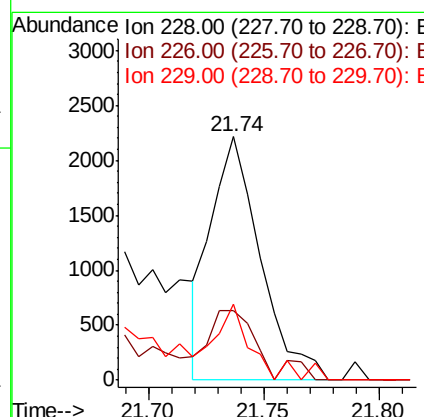
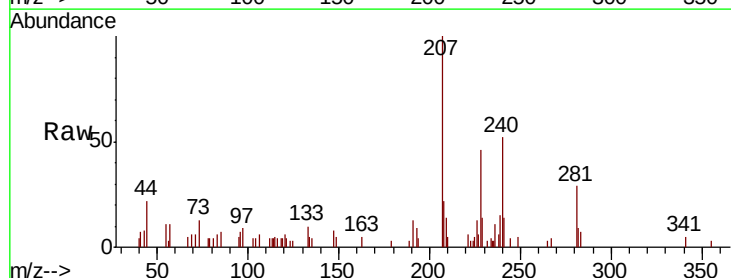
Instrument :
 BNA_G
 ClientSampleId :

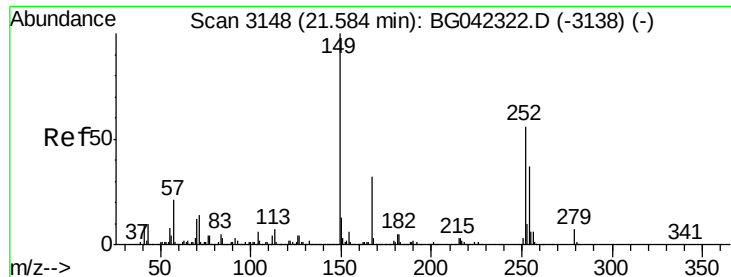
Tot Ion:252 Resp: 59
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.0 79.6#
 126 0.0 6.2 9.2#



#83
 Chrysene
 Concen: 0.139 ng
 RT: 21.74 min Scan# 3174
 Delta R.T. -0.01 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Tgt Ion:228 Resp: 3291
 Ion Ratio Lower Upper
 228 100
 226 28.5 25.6 38.4
 229 31.0 17.8 26.6#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.414 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

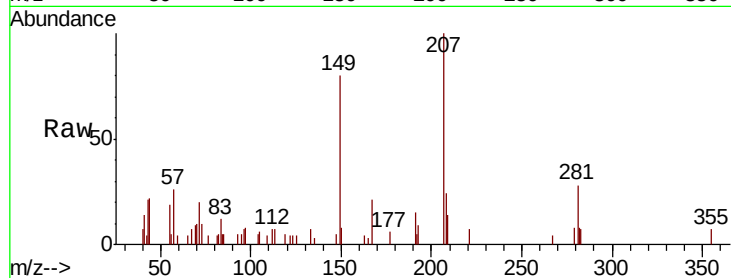
Tot Ion:149 Resp: 5686

Ion Ratio Lower Upper

149 100

167 26.5 25.4 38.0

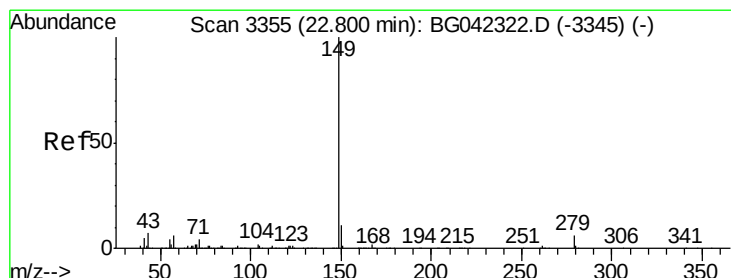
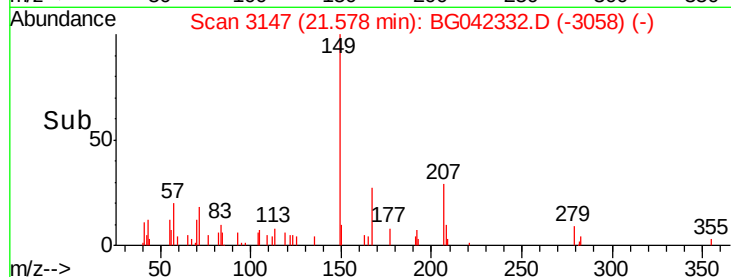
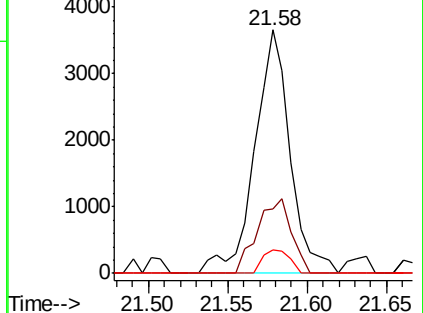
279 9.5 5.8 8.6#



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: 0.013 ng

RT: 22.82 min Scan# 3358

Delta R.T. 0.02 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

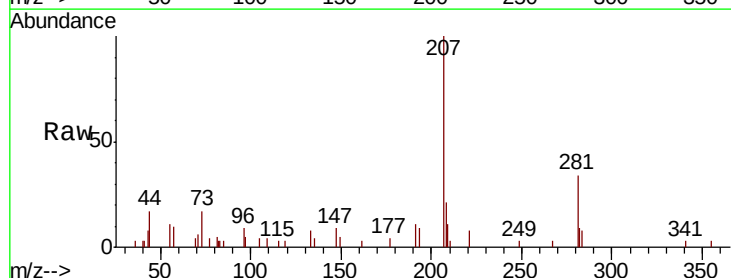
Tgt Ion:149 Resp: 313

Ion Ratio Lower Upper

149 100

167 17.3 1.4 2.2#

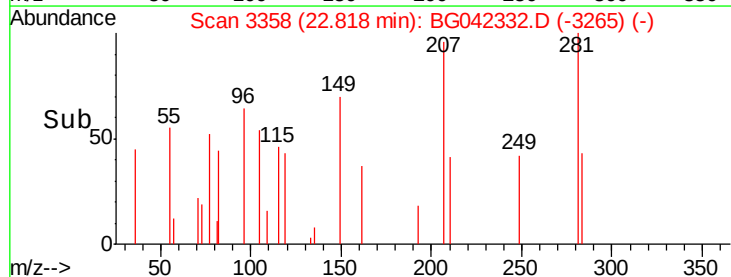
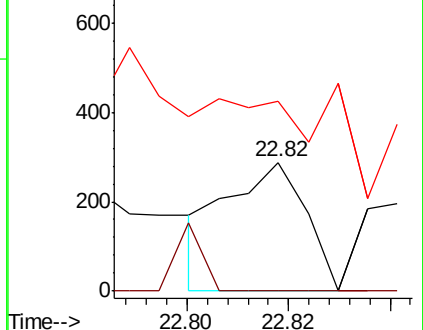
43 0.0 5.4 8.2#

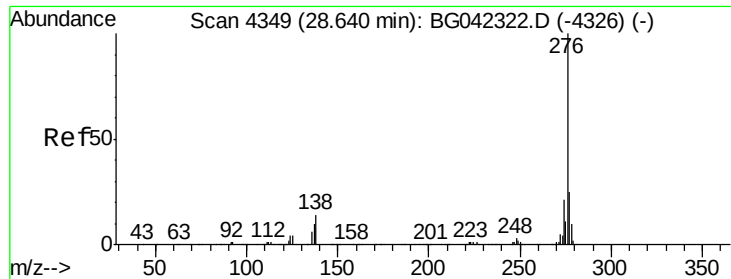


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

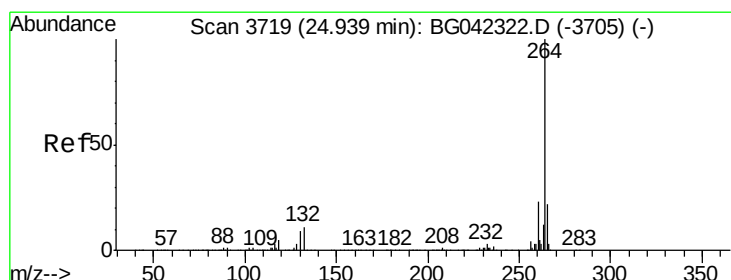
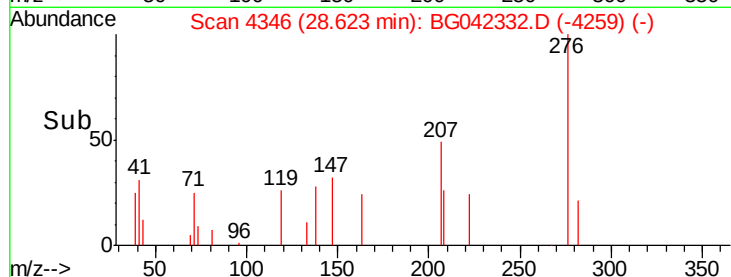
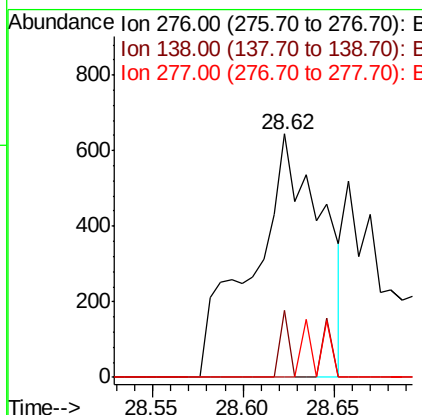
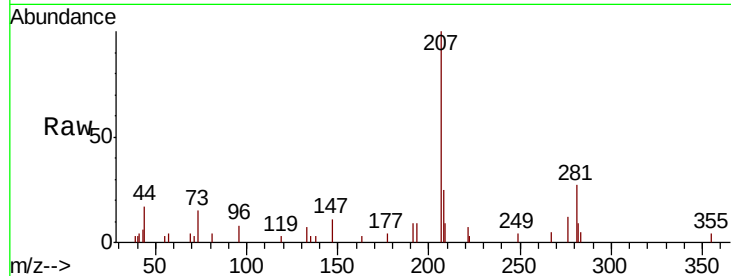




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.054 ng
 RT: 28.62 min Scan# 4346
 Delta R.T. -0.02 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

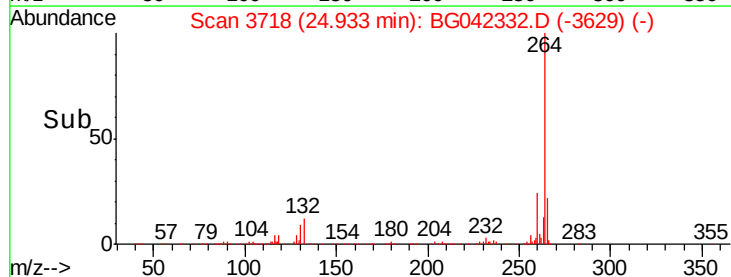
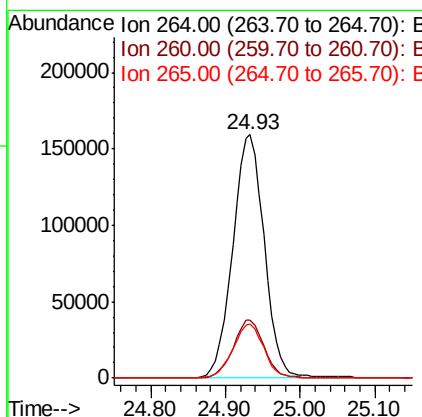
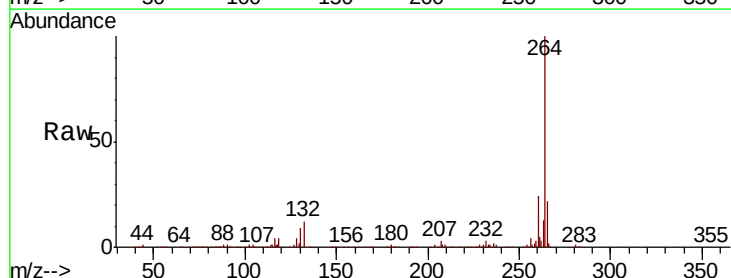
Instrument :
 BNA_G
 ClientSampleId :

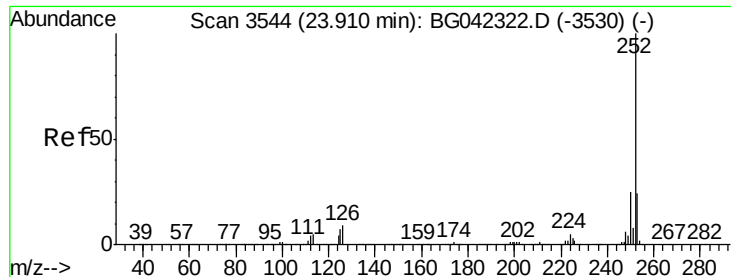
Tot Ion:276 Resp: 1711
 Ion Ratio Lower Upper
 276 100
 138 3.7 14.5 21.7#
 277 0.0 21.0 31.4#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3718
 Delta R.T. -0.01 min
 Lab File: BG042332.D
 Acq: 19 Aug 2019 18:35

Tgt Ion:264 Resp: 466934
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.4 27.6
 265 22.3 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 0.165 ng

RT: 23.92 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

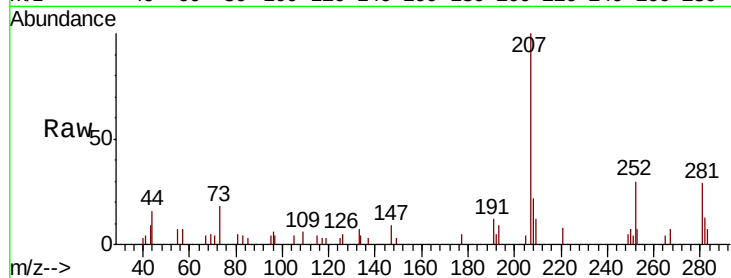
Tot Ion:252 Resp: 4229

Ion Ratio Lower Upper

252 100

253 23.5 18.9 28.3

125 10.6 5.8 8.6#

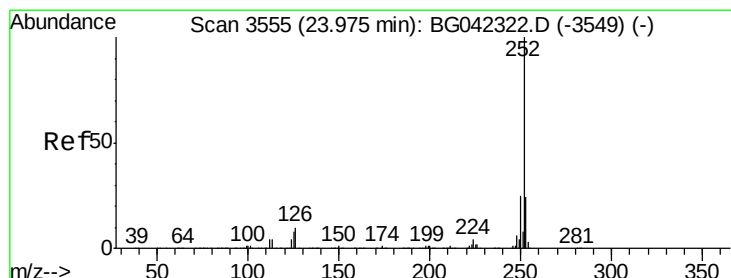
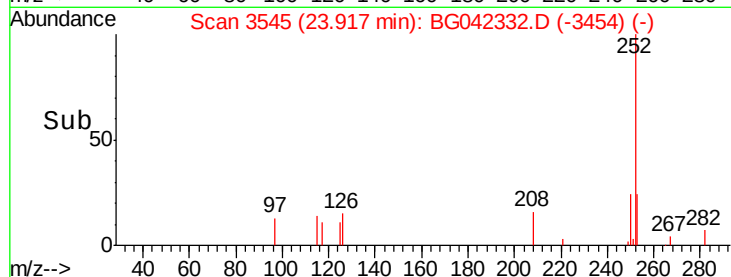
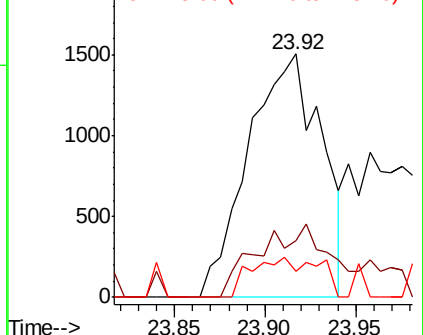


Abundance

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: 0.005 ng

RT: 24.02 min Scan# 3562

Delta R.T. 0.04 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

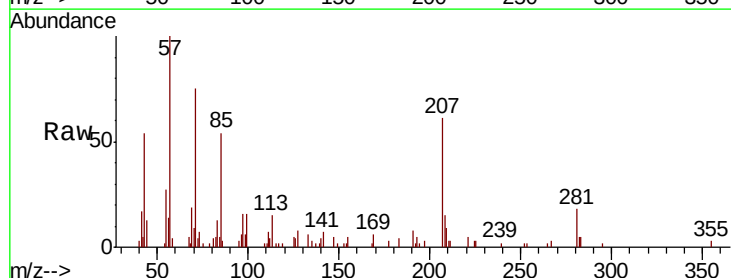
Tgt Ion:252 Resp: 127

Ion Ratio Lower Upper

252 100

253 101.9 19.0 28.4#

125 208.1 6.0 9.0#

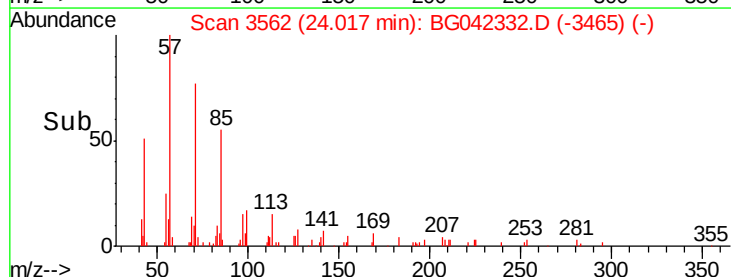
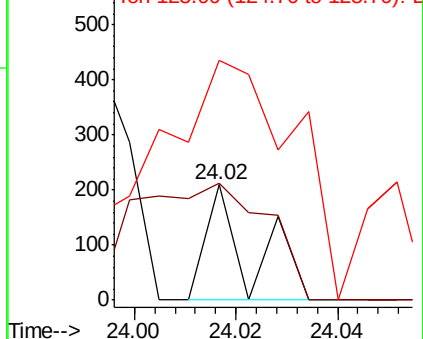


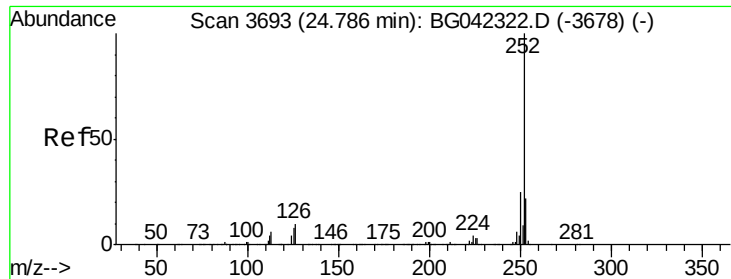
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.145 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

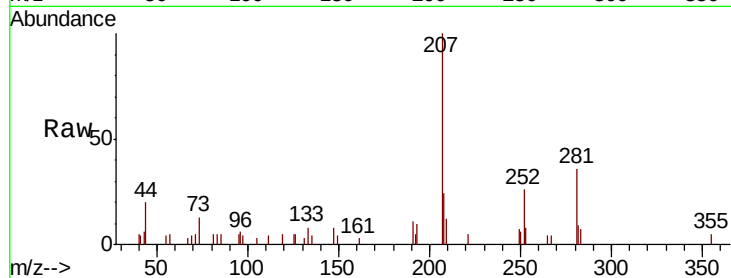
Tot Ion:252 Resp: 3573

Ion Ratio Lower Upper

252 100

253 31.0 17.9 26.9#

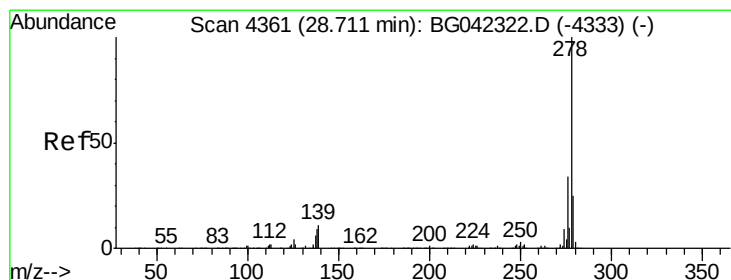
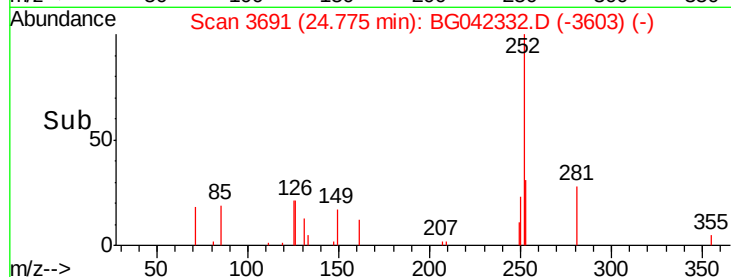
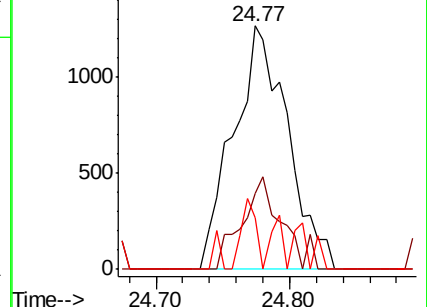
125 21.1 6.7 10.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.008 ng

RT: 28.69 min Scan# 4358

Delta R.T. -0.02 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

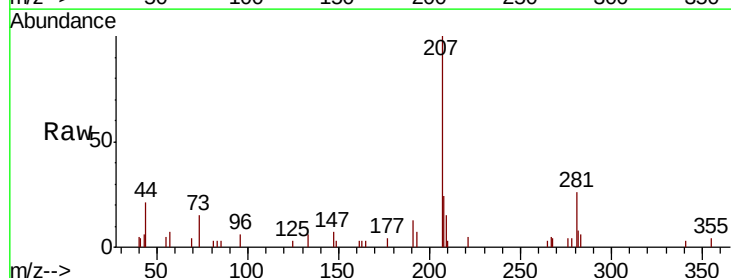
Tgt Ion:278 Resp: 198

Ion Ratio Lower Upper

278 100

139 0.0 8.5 12.7#

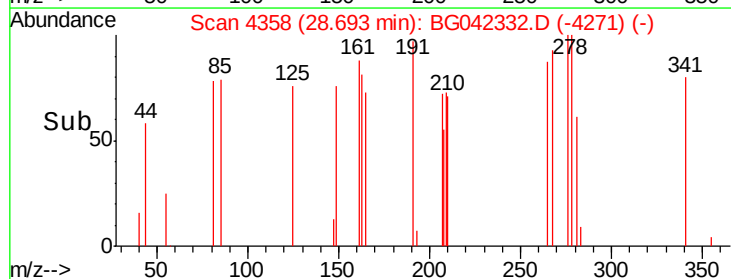
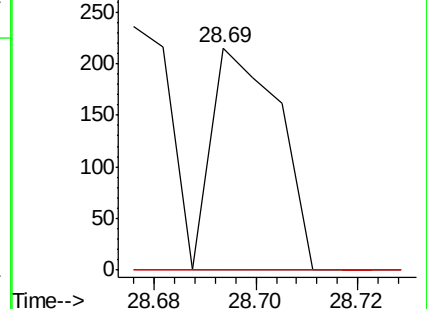
279 0.0 19.8 29.8#

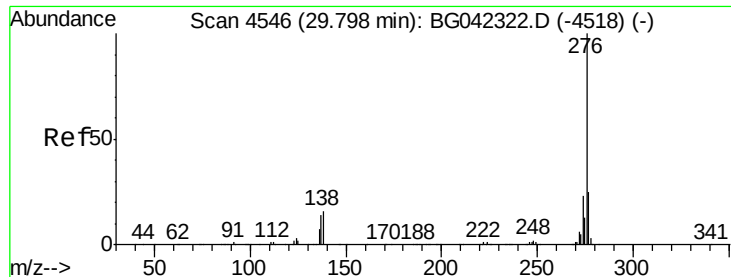


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 0.070 ng

RT: 29.80 min Scan# 4546

Delta R.T. 0.00 min

Lab File: BG042332.D

Acq: 19 Aug 2019 18:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 276 Resp: 1704

Ion Ratio Lower Upper

276 100

277 0.0 19.8 29.8#

138 0.0 12.8 19.2#

