

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042331.D
 Acq On : 19 Aug 2019 17:57
 Operator : HP/JU
 Sample : K4290-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:22:47 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	63145	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	245943	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	180087	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	414227	20.00	ng	0.00
76) Chrysene-d12	21.69	240	442110	20.00	ng	0.00
87) Perylene-d12	24.93	264	517602	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	317834	101.98	ng	0.00
7) Phenol-d6	7.17	99	445279	105.20	ng	0.00
23) Nitrobenzene-d5	9.17	82	250760	71.71	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	255662	104.24	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	813089	76.40	ng	0.00
79) Terphenyl-d14	20.03	244	1442973	71.49	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.42	88	305	0.227	ng	# 70
4) n-Nitrosodimethylamine	3.73	42	57	0.048	ng	# 1
6) Aniline	7.19	93	181	0.032	ng	# 1
9) Benzaldehyde	7.16	77	694	0.291	ng	# 1
10) Phenol	7.20	94	4859	1.129	ng	# 83
11) bis(2-Chloroethyl)ether	7.54	93	491	0.144	ng	# 1
15) Benzyl Alcohol	8.33	79	3817	1.311	ng	# 38
17) 2-Methylphenol	8.33	107	57	0.018	ng	# 1
19) n-Nitroso-di-n-propylamine	9.18	70	31539	11.585	ng	# 71
20) 3+4-Methylphenols	8.33	107	57	0.013	ng	# 1
24) Nitrobenzene	9.18	77	578	0.162	ng	# 26
25) Isophorone	9.54	82	112	0.016	ng	# 59
46) 1,1'-Biphenyl	13.51	154	970	0.083	ng	# 87
48) 2-Nitroaniline	14.11	65	980	0.414	ng	# 1
50) Dimethylphthalate	14.11	163	173827	13.584	ng	# 100
51) 2,6-Dinitrotoluene	14.11	165	1713	0.572	ng	# 31
52) Acenaphthene	14.66	154	595	0.065	ng	# 5
57) 2,4-Dinitrotoluene	14.66	165	23338	5.574	ng	# 39
58) Fluorene	16.16	166	9656	0.793	ng	# 89
60) Diethylphthalate	15.49	149	118	0.010	ng	# 55
63) Azobenzene	16.15	77	807	0.094	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.16	198	529	0.209	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	7408	0.639	ng	# 47
67) 4-Bromophenyl-phenylether	16.16	248	17756	3.368	ng	# 1
71) Phenanthrene	17.47	178	609	0.030	ng	# 58
72) Anthracene	17.57	178	56	0.003	ng	# 59
74) Di-n-butylphthalate	18.38	149	1200	0.056	ng	# 76
75) Fluoranthene	19.48	202	1231	0.049	ng	# 64
77) Benzidine	20.03	184	18523	1.580	ng	# 92
78) Pyrene	19.83	202	1289	0.047	ng	# 87
80) Butylbenzylphthalate	20.71	149	78	0.007	ng	# 29
81) Benzo(a)anthracene	21.69	228	2221	0.082	ng	# 64
82) 3,3'-Dichlorobenzidine	21.60	252	194	0.018	ng	# 94
83) Chrysene	21.73	228	933	0.036	ng	# 47

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Misc :
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Instrument :
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ClientSampleId :

Quant Time: Aug 20 04:22:47 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 13:40:37 2019
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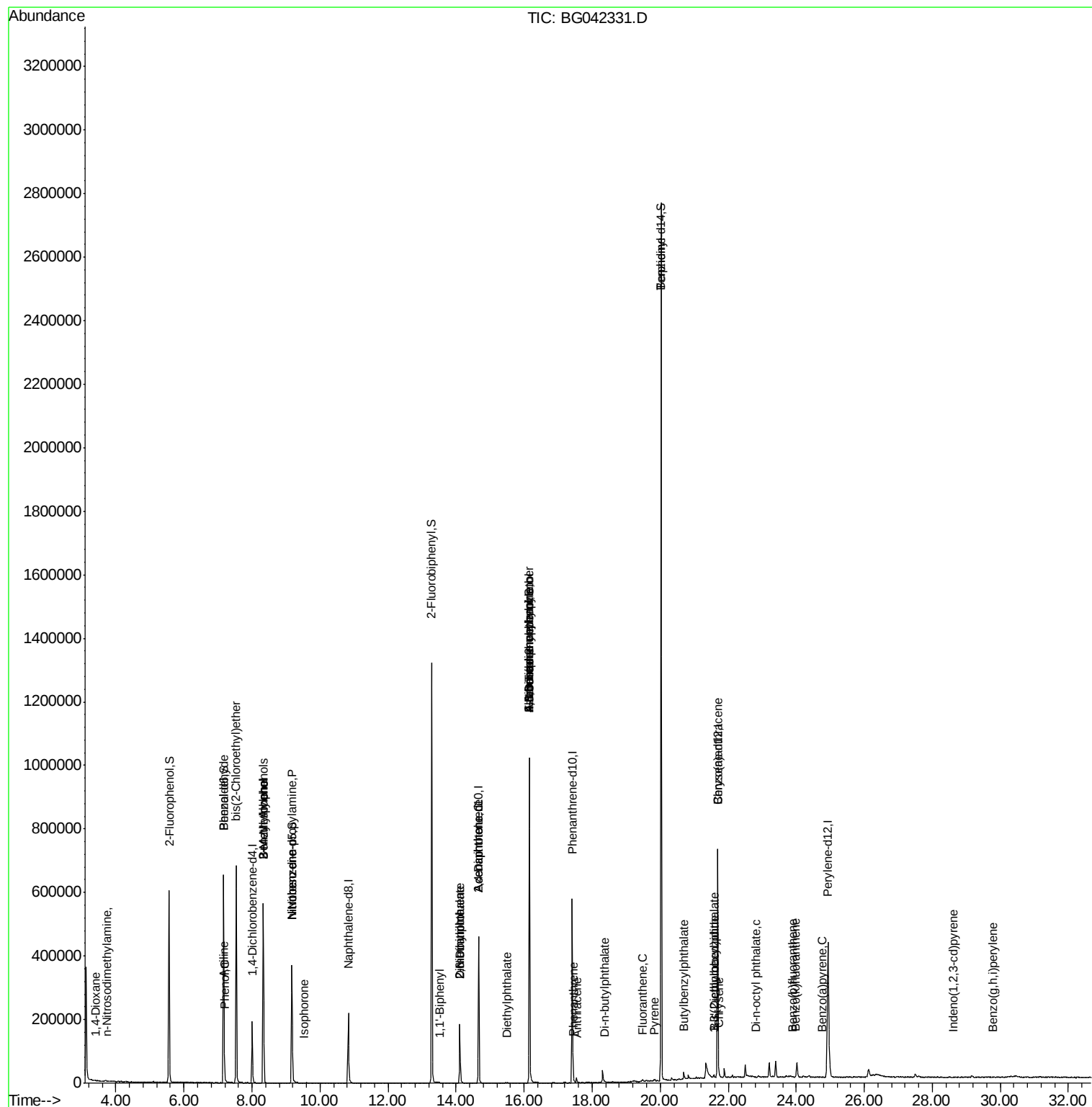
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	21.58	149	3903	0.260	nq	# 86
85) Di-n-octyl phthalate	22.80	149	293	0.011	nq	# 83
86) Indeno(1,2,3-cd)pyrene	28.62	276	241	0.007	nq	# 53
88) Benzo(b)fluoranthene	23.90	252	680	0.024	nq	# 58
89) Benzo(k)fluoranthene	23.98	252	369	0.013	nq	# 58
90) Benzo(a)pyrene	24.78	252	970	0.036	nq	# 60
92) Benzo(a,h,i)perylene	29.79	276	392	0.014	nq	# 55

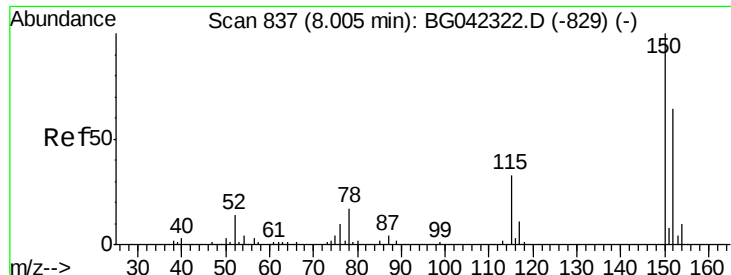
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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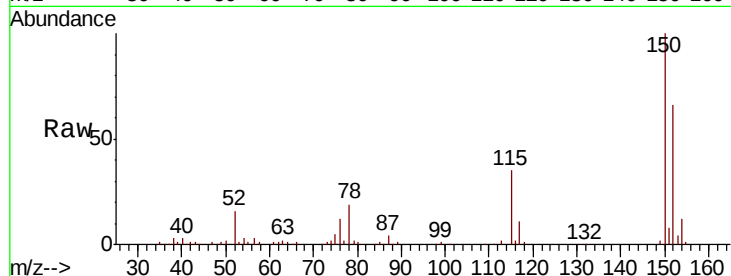




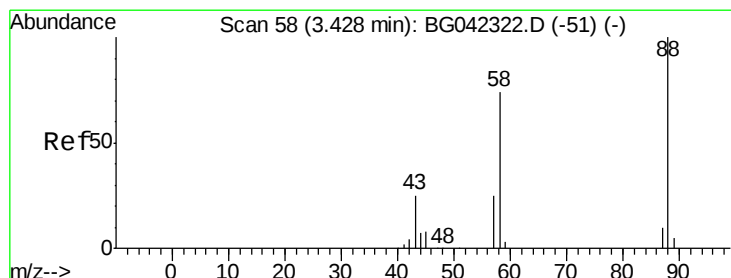
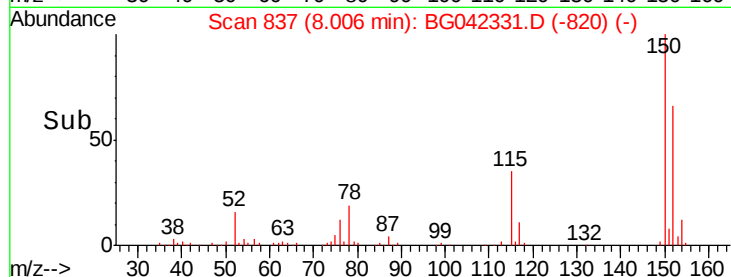
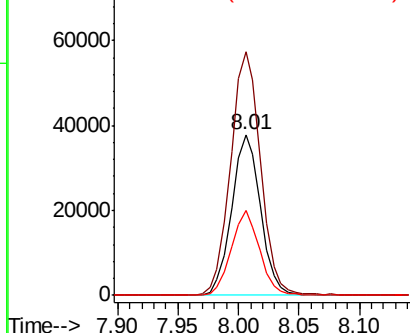
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 63145
 Ion Ratio Lower Upper
 152 100
 150 151.5 124.3 186.5
 115 52.9 40.5 60.7

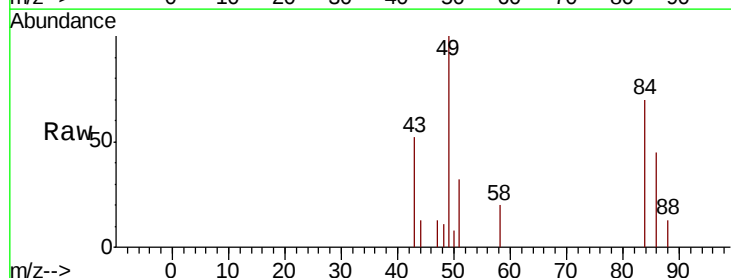


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

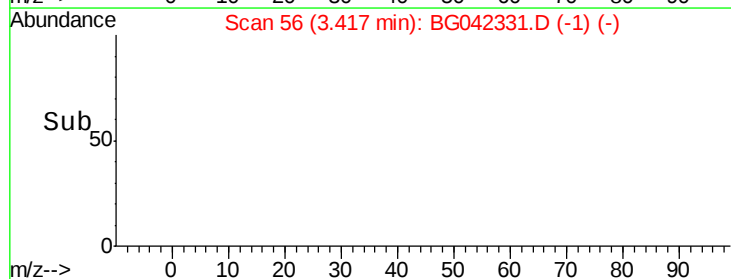
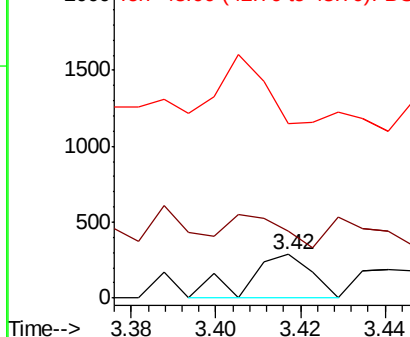


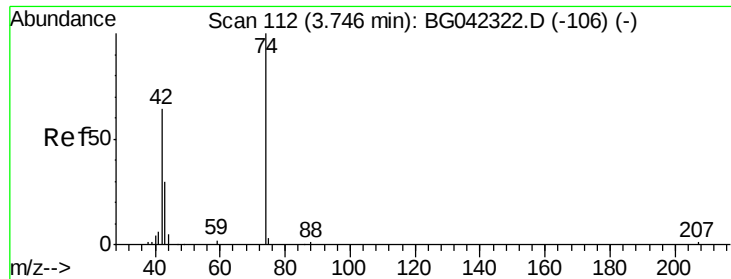
#2
 1,4-Dioxane
 Concen: 0.227 ng
 RT: 3.42 min Scan# 56
 Delta R.T. -0.01 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Tgt Ion: 88 Resp: 305
 Ion Ratio Lower Upper
 88 100
 58 53.4 58.6 88.0#
 43 0.0 19.4 29.0#



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



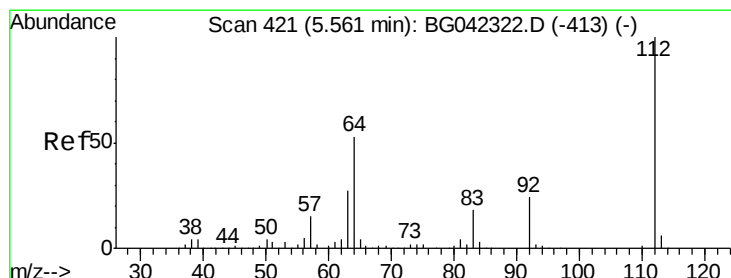
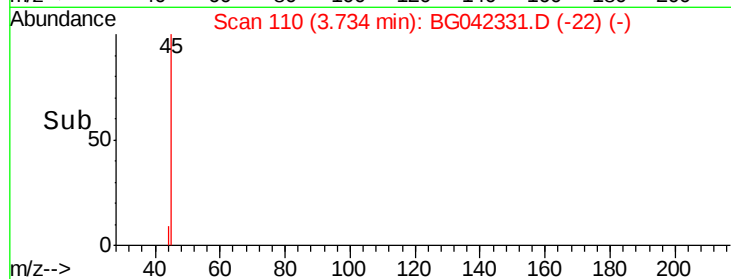
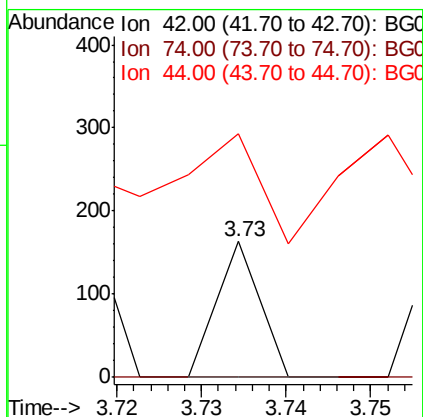
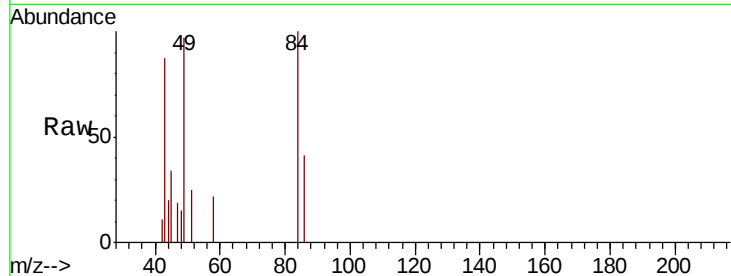


#4

n-Nitrosodimethylamine
 Concen: 0.048 ng
 RT: 3.73 min Scan# 110
 Delta R.T. -0.01 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Instrument :
 BNA_G
 ClientSampleId :

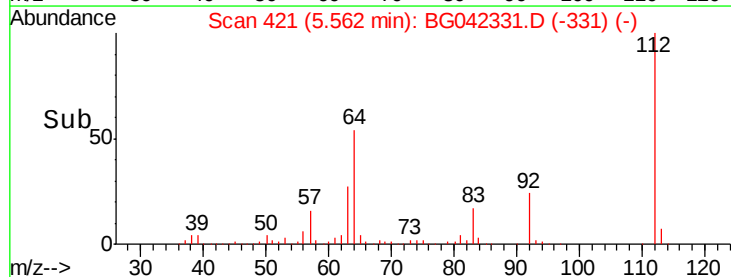
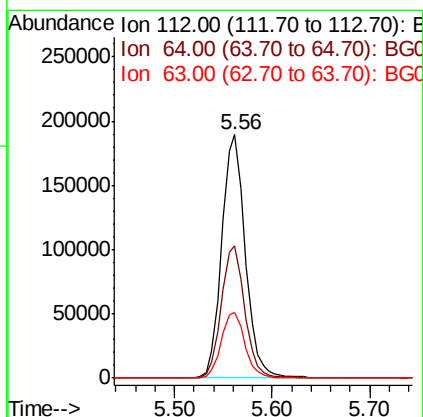
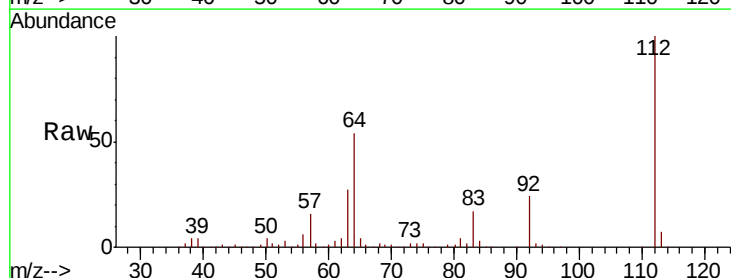
Tot Ion: 42 Resp: 57
 Ion Ratio Lower Upper
 42 100
 74 0.0 124.2 186.2#
 44 179.8 6.5 9.7#

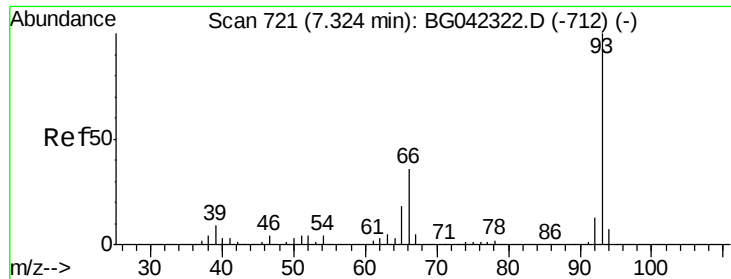


#5

2-Fluorophenol
 Concen: 101.981 ng
 RT: 5.56 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Tgt Ion: 112 Resp: 317834
 Ion Ratio Lower Upper
 112 100
 64 54.2 42.5 63.7
 63 27.2 21.7 32.5





#6

Aniline

Concen: 0.032 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.13 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampled :

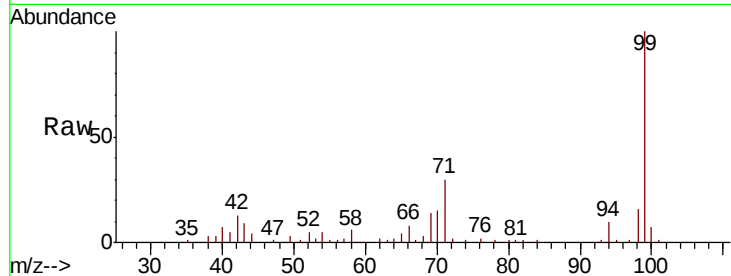
Tot Ion: 93 Resp: 181

Ion Ratio Lower Upper

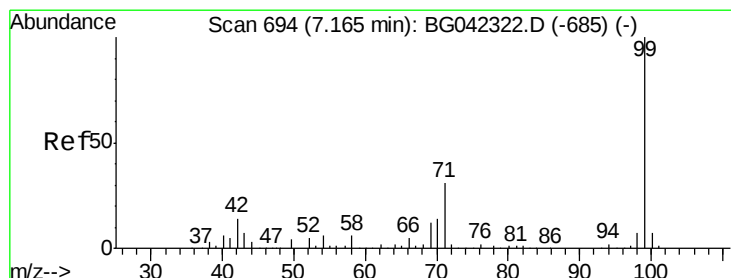
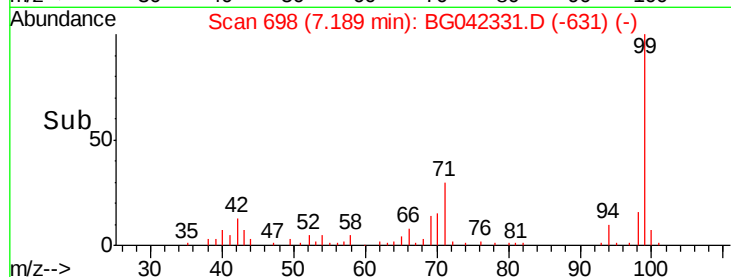
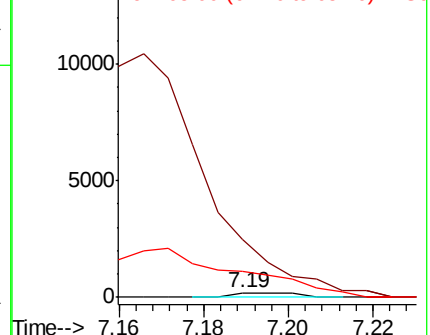
93 100

66 1388.4 29.1 43.7#

65 618.8 14.7 22.1#



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



#7

Phenol-d6

Concen: 105.200 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

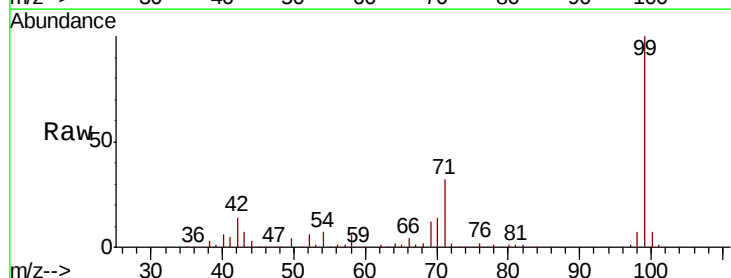
Tgt Ion: 99 Resp: 445279

Ion Ratio Lower Upper

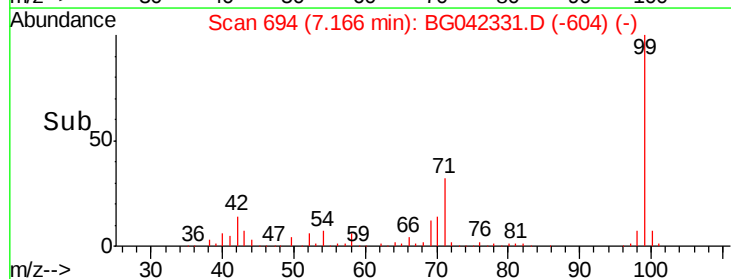
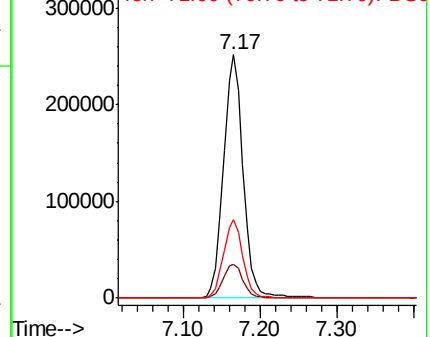
99 100

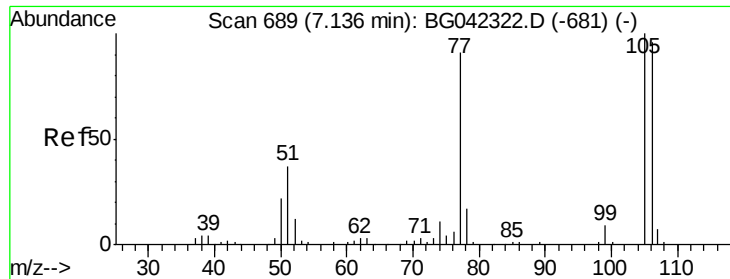
42 13.8 11.4 17.0

71 32.1 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

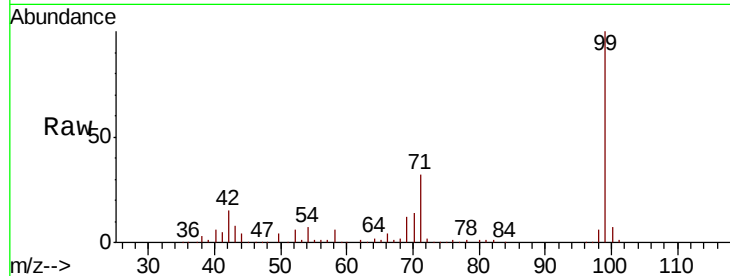




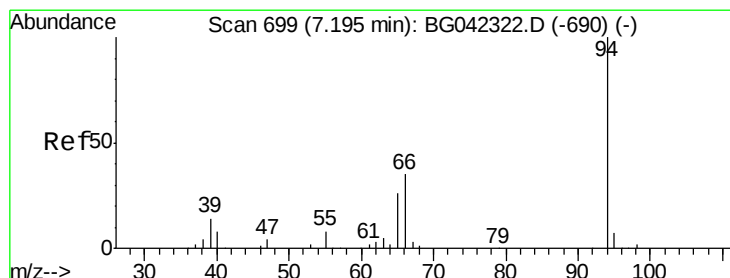
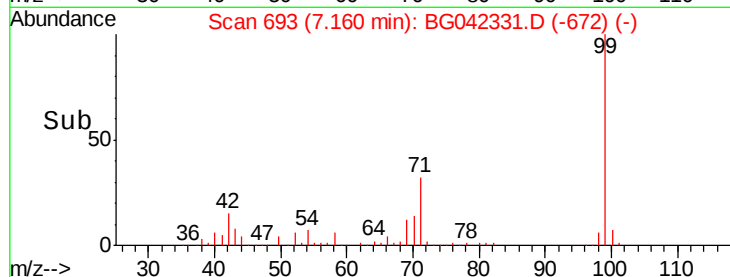
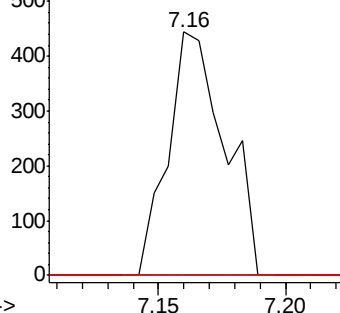
#9
Benzaldehyde
Concen: 0.291 ng
RT: 7.16 min Scan# 693
Delta R.T. 0.02 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 694
Ion Ratio Lower Upper
77 100
105 0.0 89.8 129.8#
106 0.0 85.1 125.1#

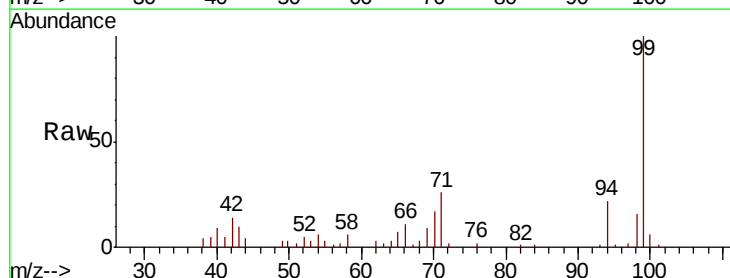


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

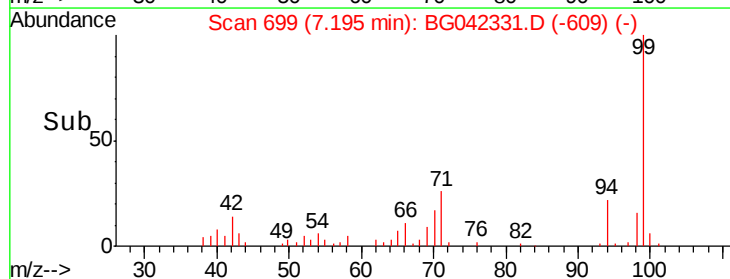
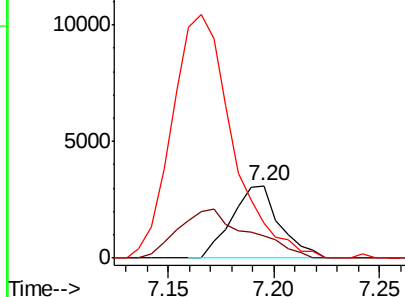


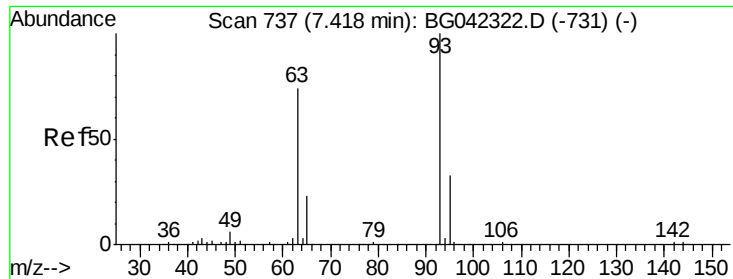
#10
Phenol
Concen: 1.129 ng
RT: 7.20 min Scan# 699
Delta R.T. 0.00 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion: 94 Resp: 4859
Ion Ratio Lower Upper
94 100
65 30.5 6.1 46.1
66 48.7 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

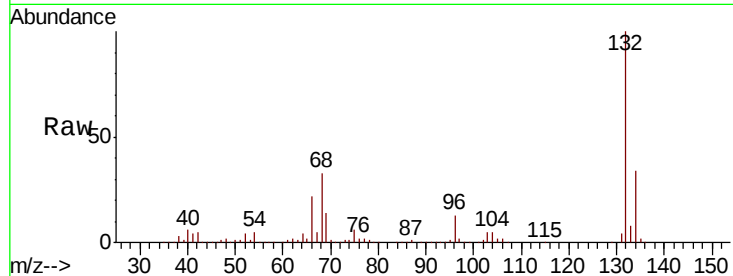




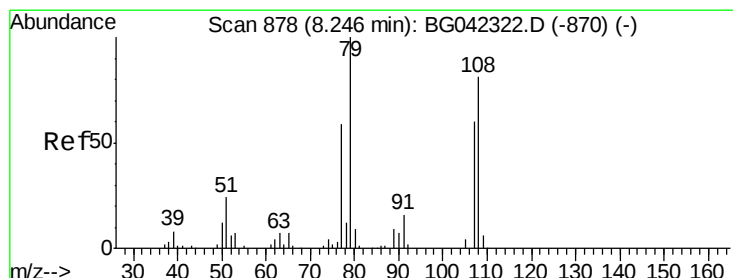
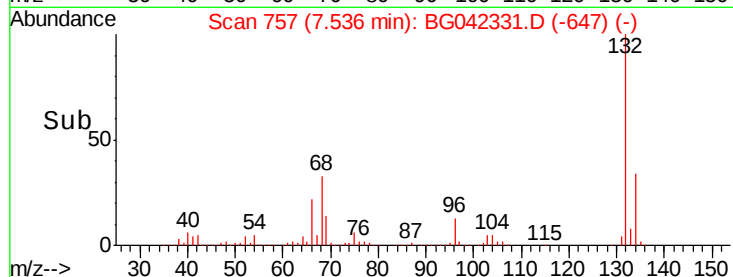
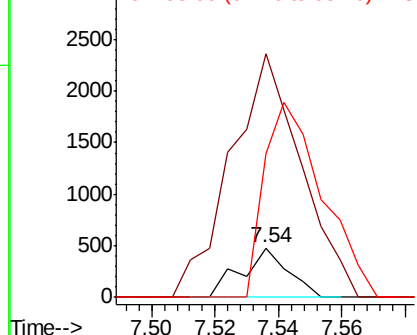
#11
bis(2-Chloroethyl)ether
Concen: 0.144 ng
RT: 7.54 min Scan# 757
Delta R.T. 0.12 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 93 Resp: 491
Ion Ratio Lower Upper
93 100
63 496.0 53.0 93.0#
95 293.3 13.0 53.0#

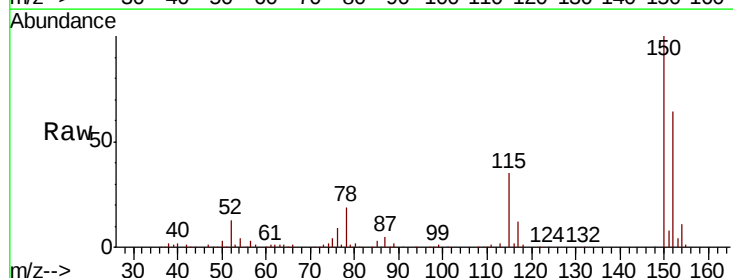


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

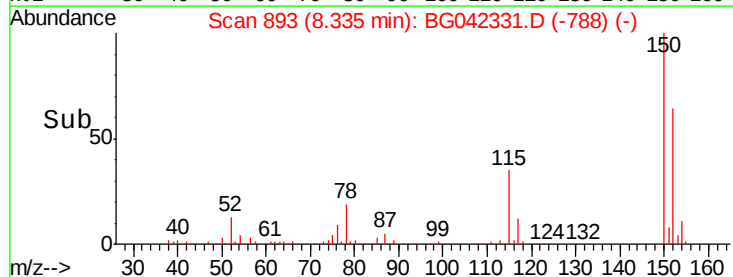
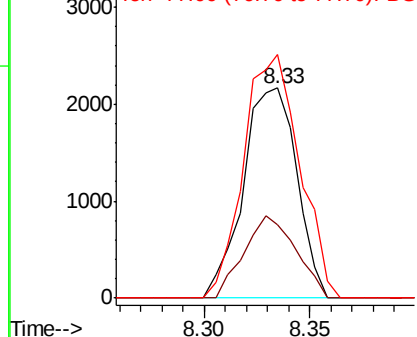


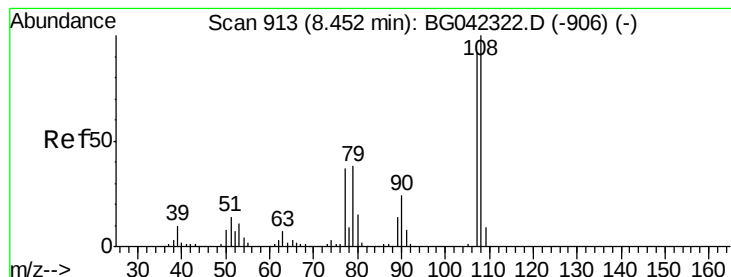
#15
Benzyl Alcohol
Concen: 1.311 ng
RT: 8.33 min Scan# 893
Delta R.T. 0.09 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion: 79 Resp: 3817
Ion Ratio Lower Upper
79 100
108 34.7 64.8 97.2#
77 116.0 47.6 71.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

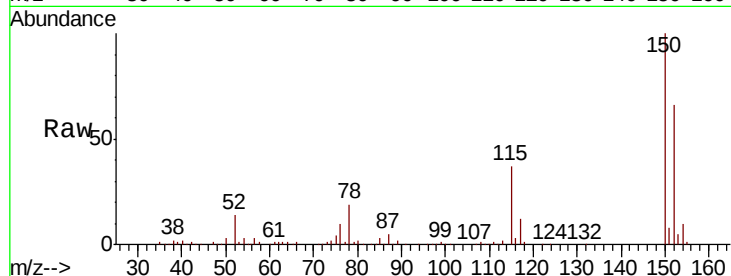




#17
2-Methylphenol
Concen: 0.018 ng
RT: 8.33 min Scan# 892
Delta R.T. -0.12 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	519.0	87.0	130.6#
77	1446.6	32.3	48.5#
79	1300.0	33.5	50.3#



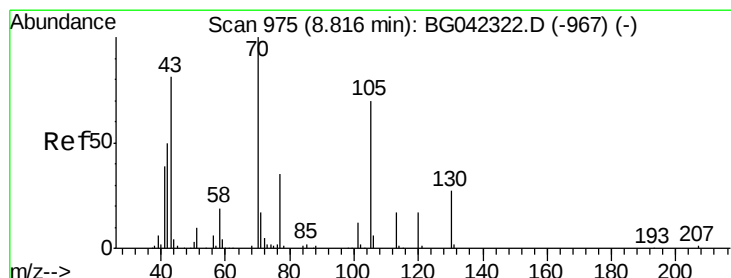
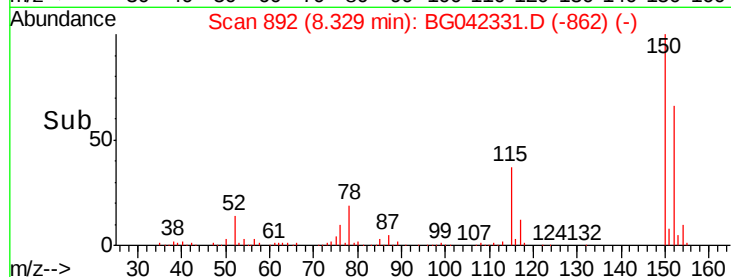
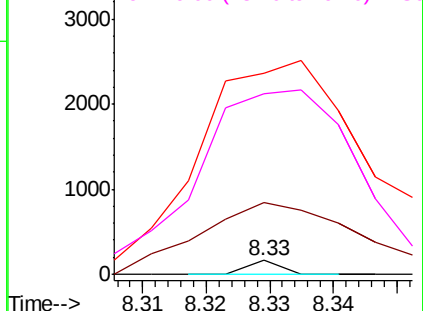
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#19
n-Nitroso-di-n-propylamine
Concen: 11.585 ng
RT: 9.18 min Scan# 1036
Delta R.T. 0.36 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion	Ratio	Lower	Upper
70	100		
42	37.6	40.5	60.7#
101	0.0	9.3	13.9#
130	2.3	22.0	33.0#

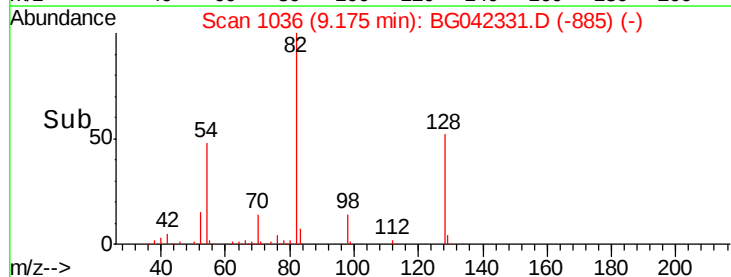
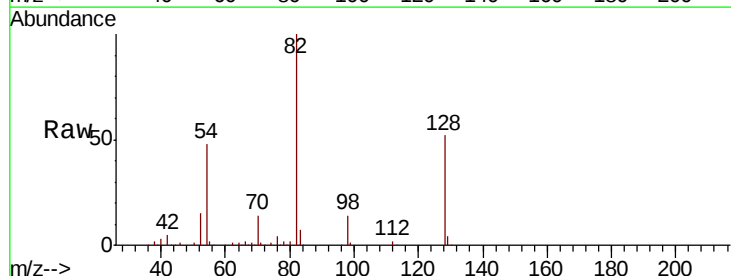
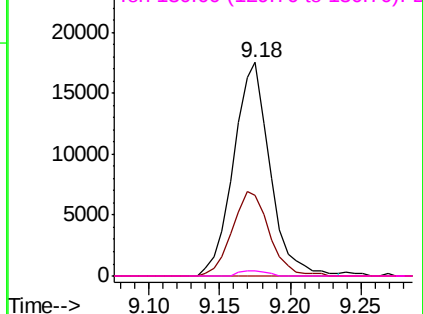
Abundance

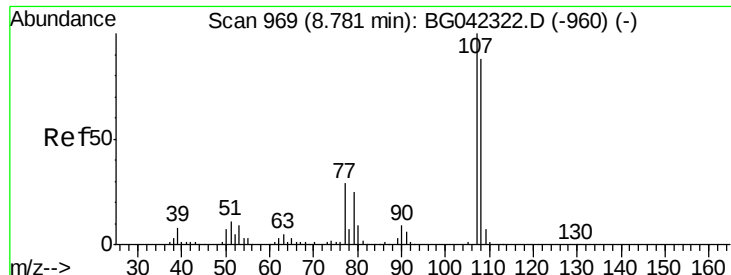
Ion 70.00 (69.70 to 70.70): BG

Ion 42.00 (41.70 to 42.70): BG

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 0.013 ng

RT: 8.33 min Scan# 892

Delta R.T. -0.45 min

Lab File: BG042331.D

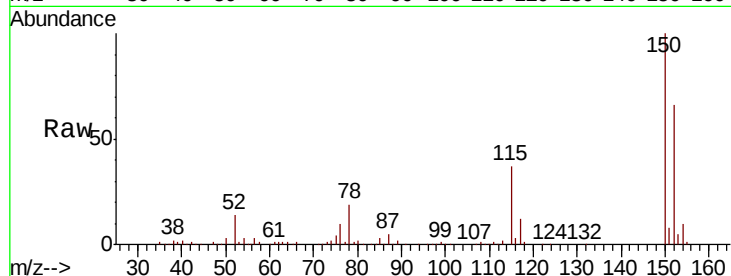
Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107	Resp:	57
Ion Ratio	Lower	Upper
107	100	
108	519.0	67.8 107.8#
77	1446.6	9.1 49.1#
79	1300.0	5.3 45.3#

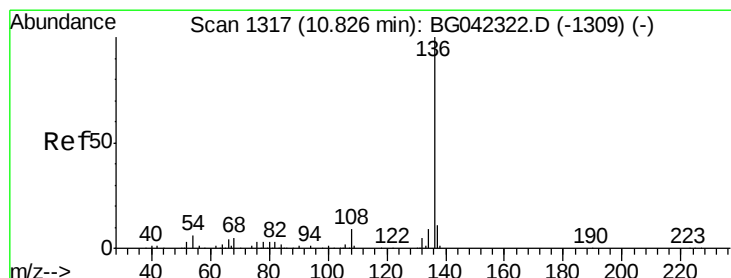
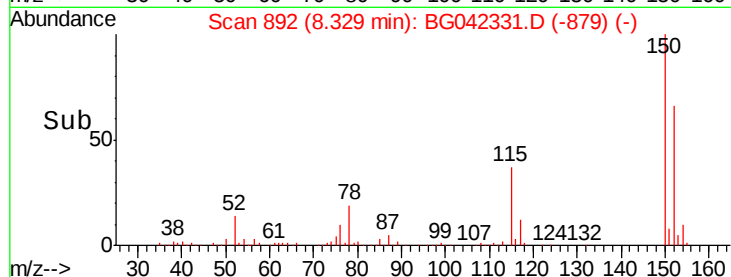
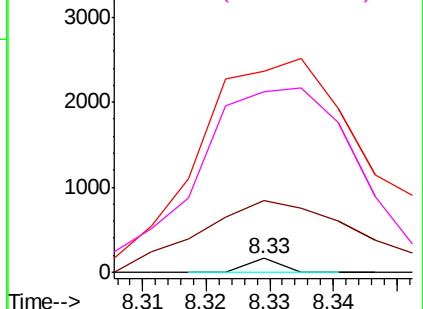


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

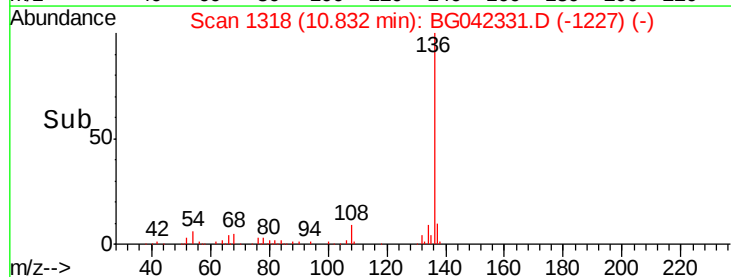
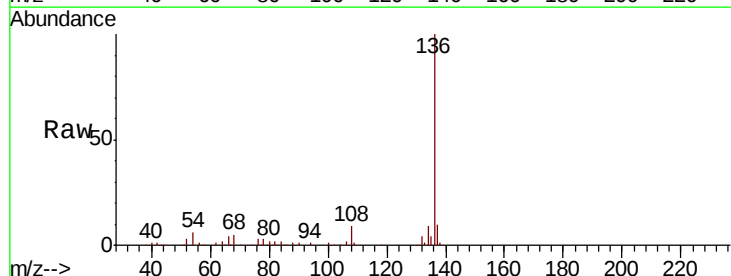
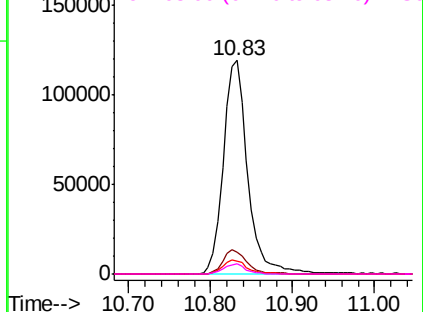
Tgt Ion:136	Resp:	245943
Ion Ratio	Lower	Upper
136	100	
137	9.9	8.4 12.6
54	6.1	5.0 7.4
68	4.7	3.8 5.8

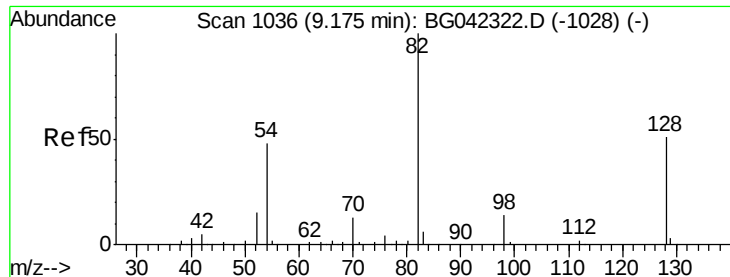
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

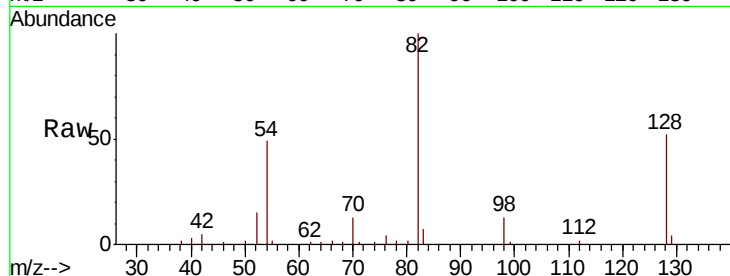




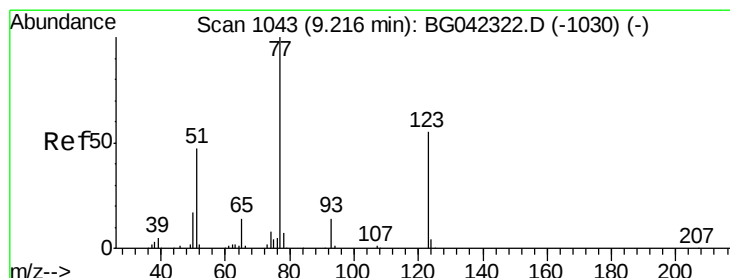
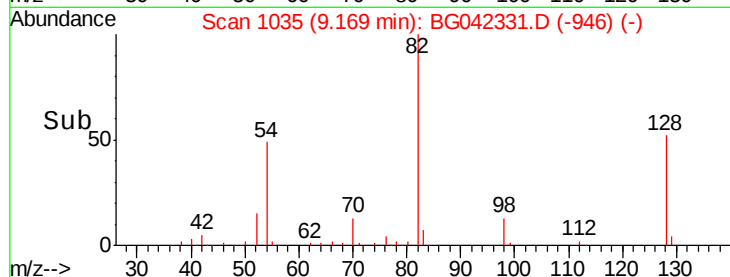
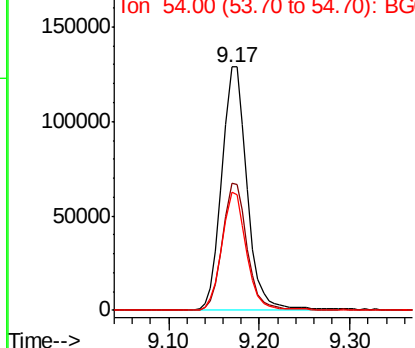
#23
Nitrobenzene-d5
Concen: 71.710 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 250760
Ion Ratio Lower Upper
82 100
128 52.3 41.0 61.4
54 48.5 38.0 57.0

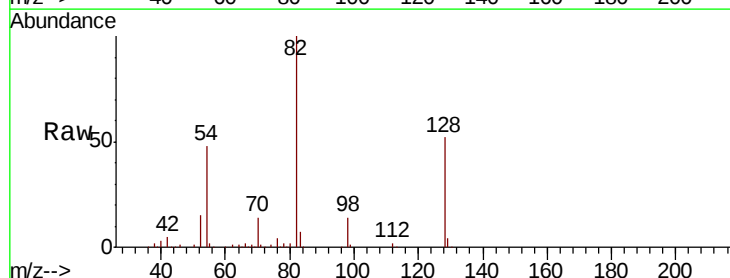


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

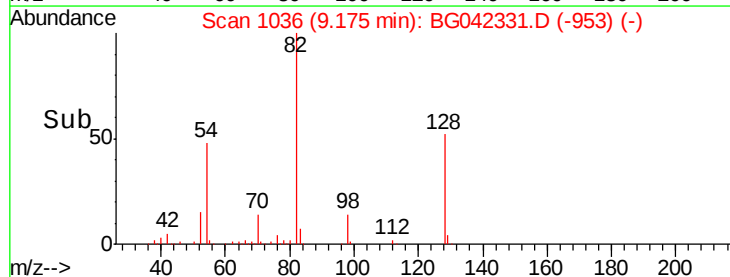
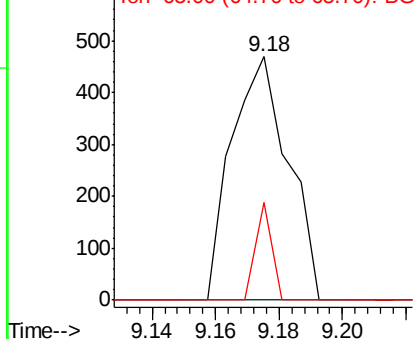


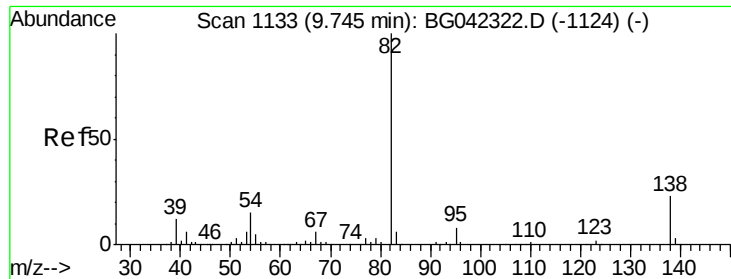
#24
Nitrobenzene
Concen: 0.162 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.04 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion: 77 Resp: 578
Ion Ratio Lower Upper
77 100
123 0.0 43.7 65.5#
65 40.3 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

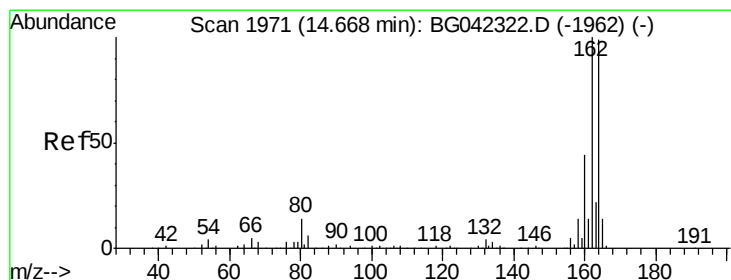
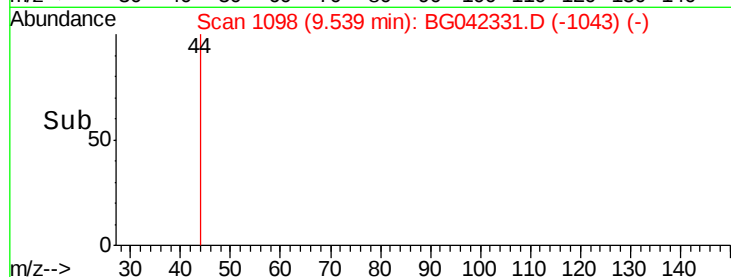
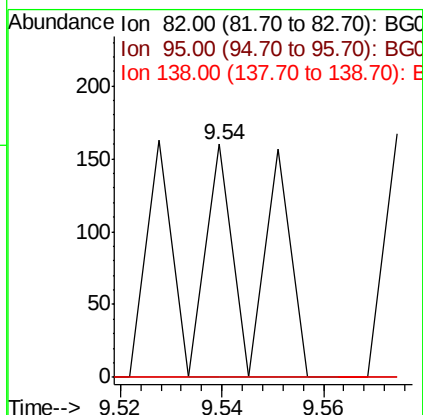
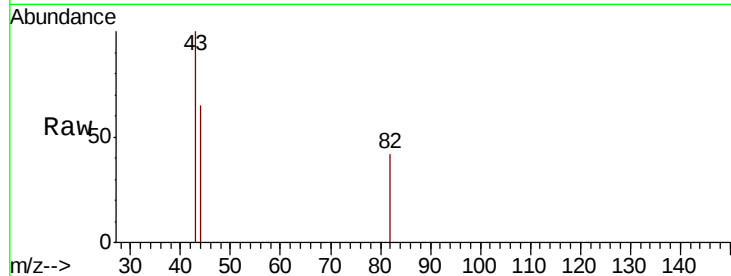




#25
Isophorone
Concen: 0.016 ng
RT: 9.54 min Scan# 1098
Delta R.T. -0.21 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

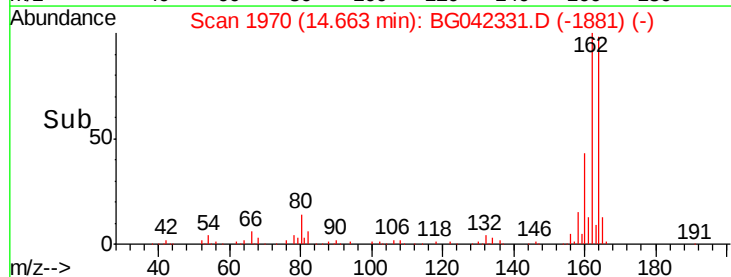
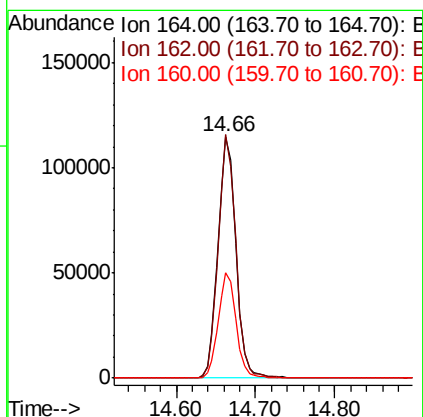
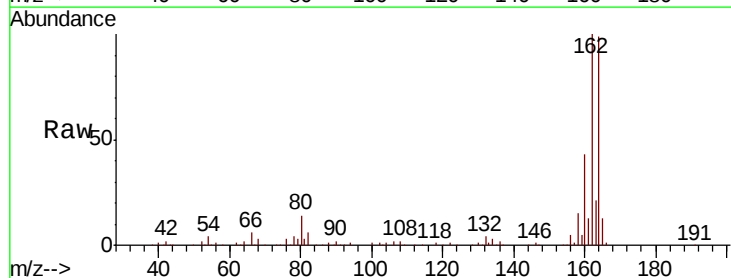
Instrument :
BNA_G
ClientSampleId :

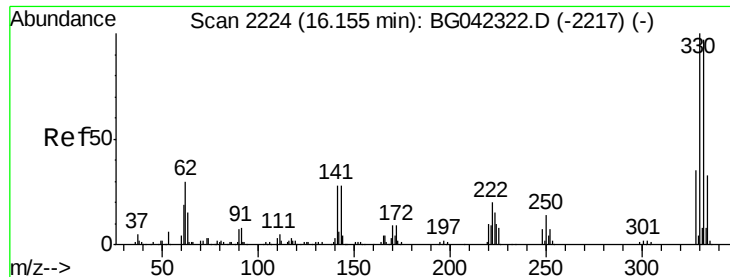
Tot Ion: 82 Resp: 112
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 18.2 27.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion:164 Resp: 180087
Ion Ratio Lower Upper
164 100
162 101.0 80.6 120.8
160 43.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 104.235 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

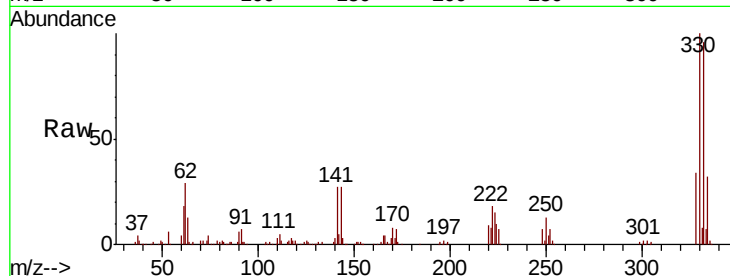
Tot Ion:330 Resp: 255662

Ion Ratio Lower Upper

330 100

332 97.5 76.9 115.3

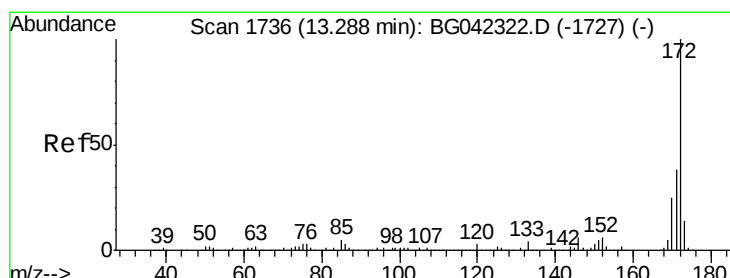
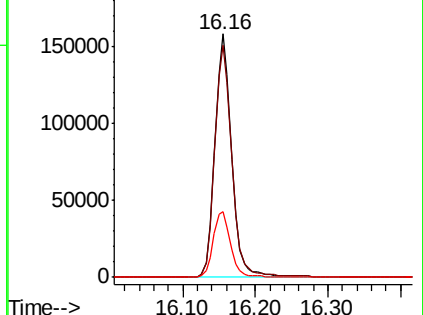
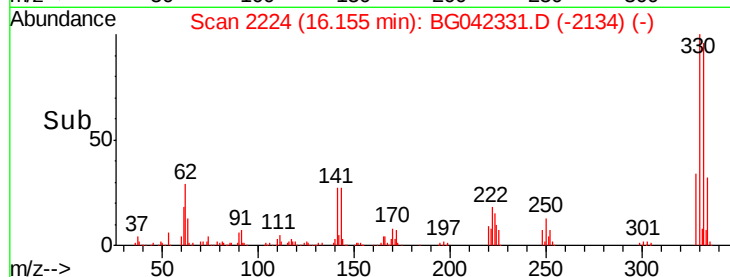
141 27.9 21.8 32.6



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: 76.401 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

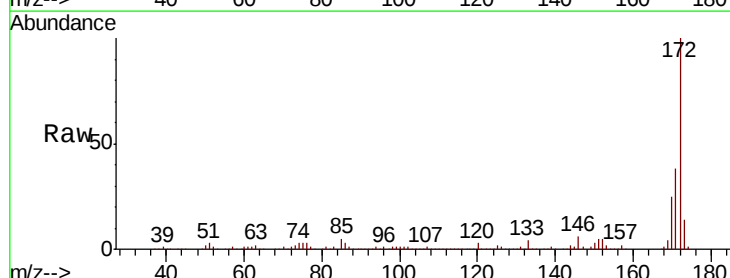
Tgt Ion:172 Resp: 813089

Ion Ratio Lower Upper

172 100

171 38.2 30.3 45.5

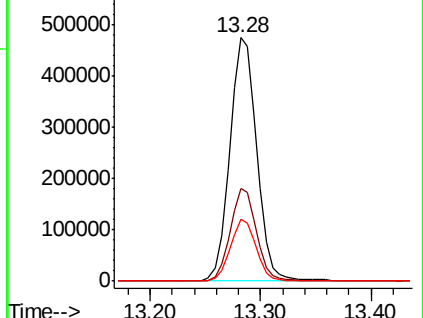
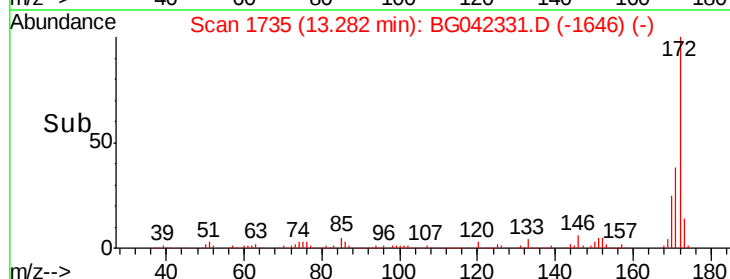
170 25.2 20.0 30.0

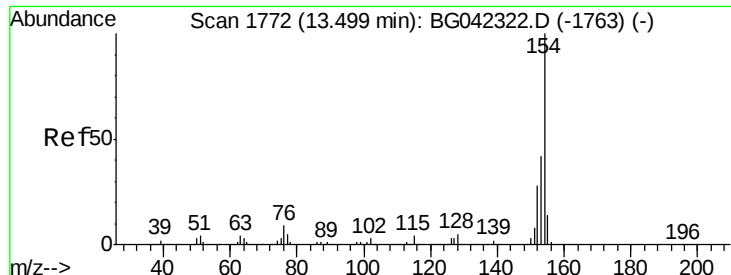


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

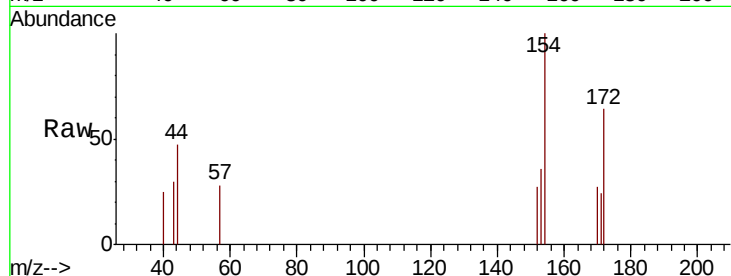




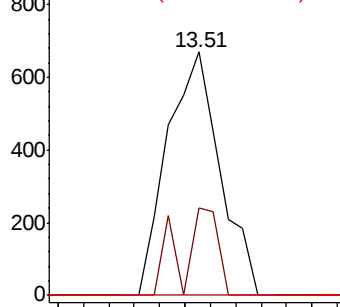
#46
 1,1'-Biphenyl
 Concen: 0.083 ng
 RT: 13.51 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Instrument :
 BNA_G
 ClientSampleId :

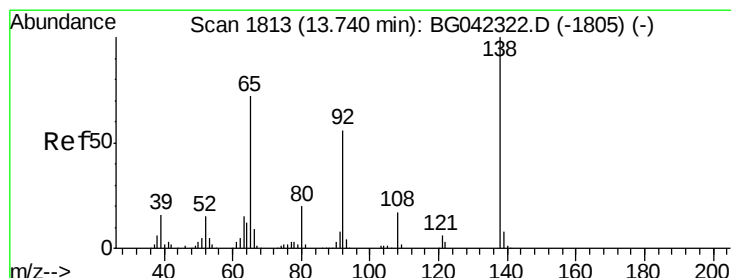
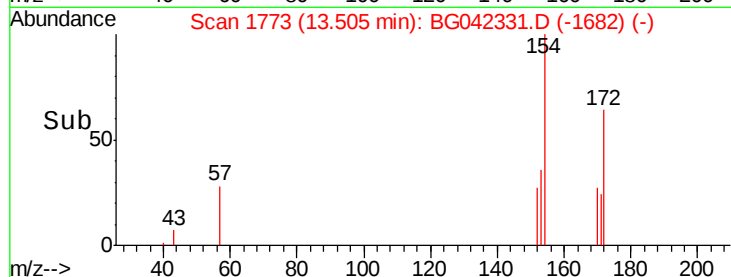
Tot Ion	Ratio	Lower	Upper
154	100		
153	35.8	21.9	61.9
76	0.0	0.0	29.3



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

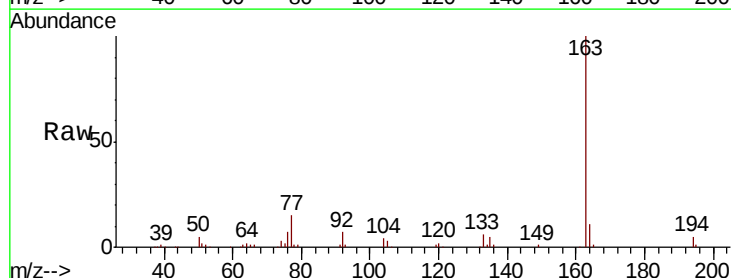


Time--> 13.45 13.50 13.55

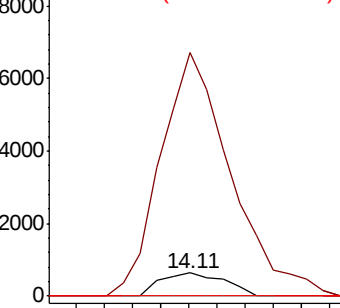


#48
 2-Nitroaniline
 Concen: 0.414 ng
 RT: 14.11 min Scan# 1876
 Delta R.T. 0.37 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

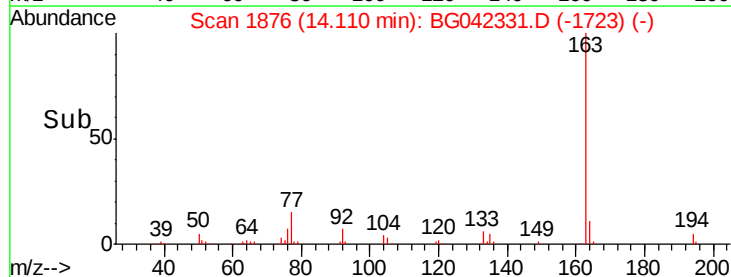
Tgt Ion	Ratio	Lower	Upper
65	100		
92	1055.3	62.6	94.0#
138	0.0	111.5	167.3#

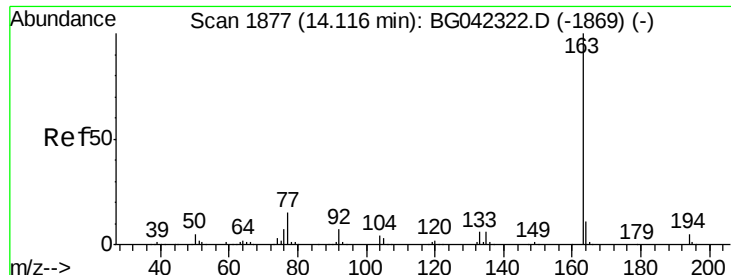


Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E



Time--> 14.10 14.15





#50

Dimethylphthalate

Concen: 13.584 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

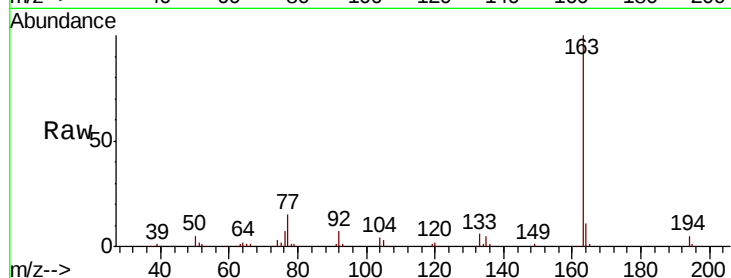
Tot Ion:163 Resp: 173827

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

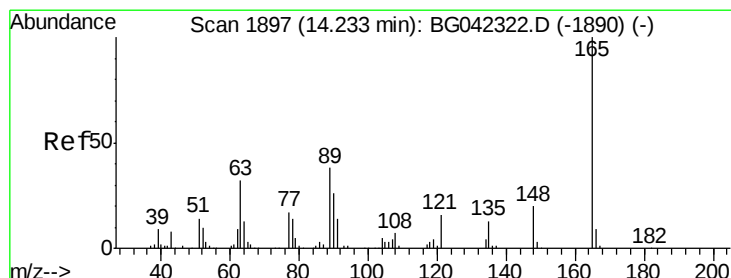
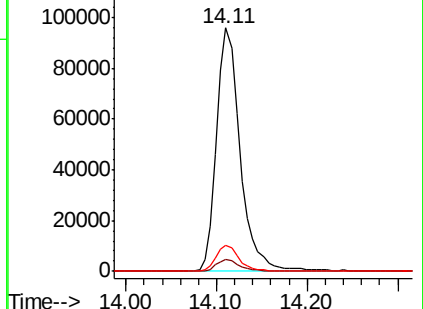
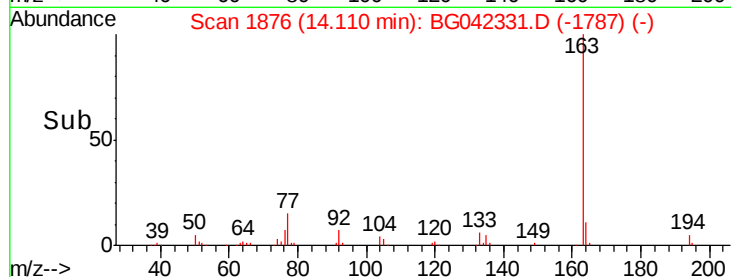
164 10.9 8.8 13.2



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: 0.572 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

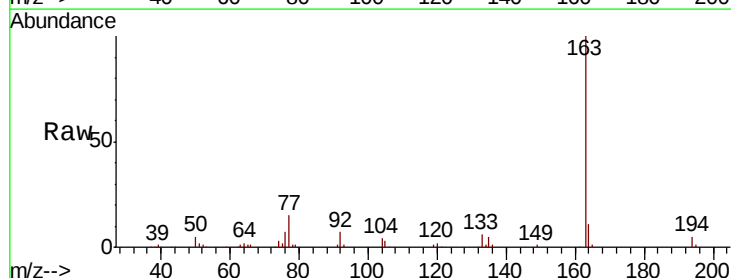
Tgt Ion:165 Resp: 1713

Ion Ratio Lower Upper

165 100

63 79.0 28.2 42.2#

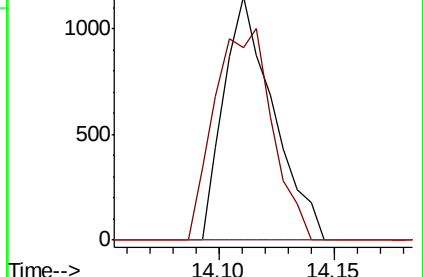
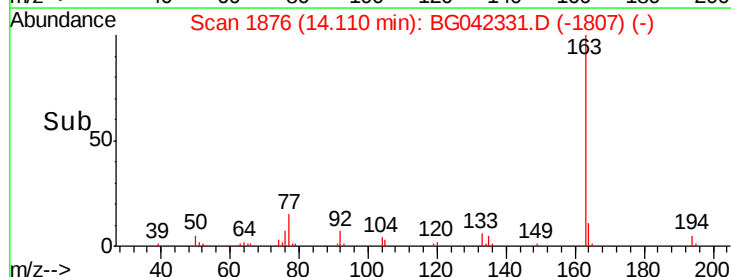
89 0.0 30.0 45.0#

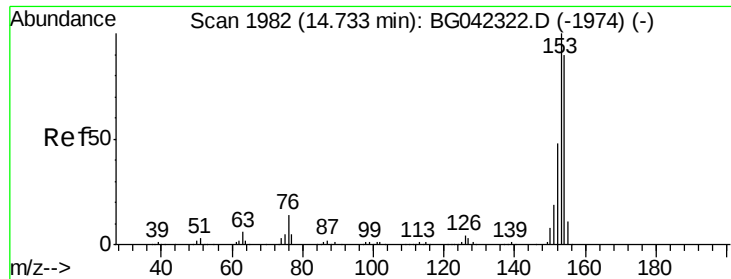


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG





#52

Acenaphthene

Concen: 0.065 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.07 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

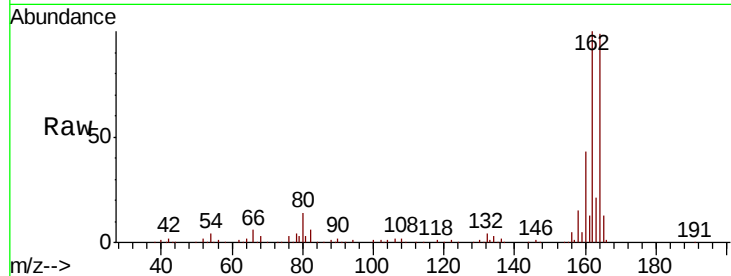
Tot Ion:154 Resp: 595

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

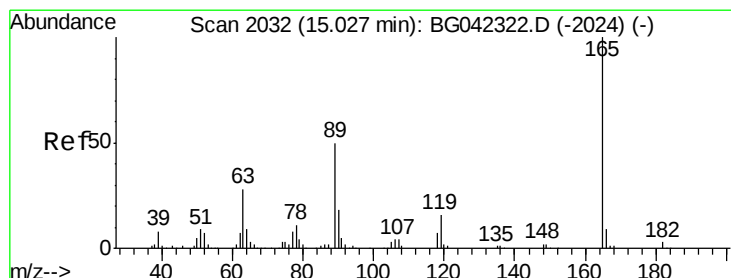
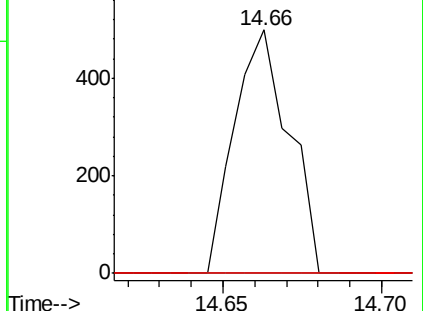
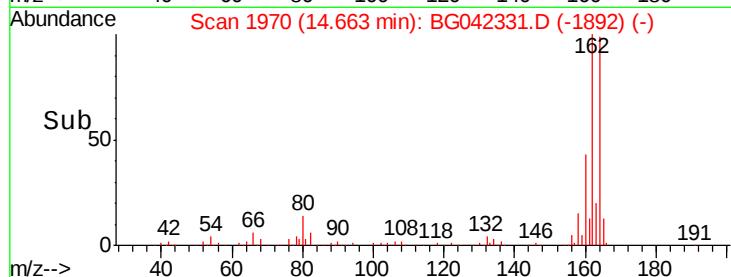
152 0.0 43.1 64.7#



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: 5.574 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Tgt Ion:165 Resp: 23338

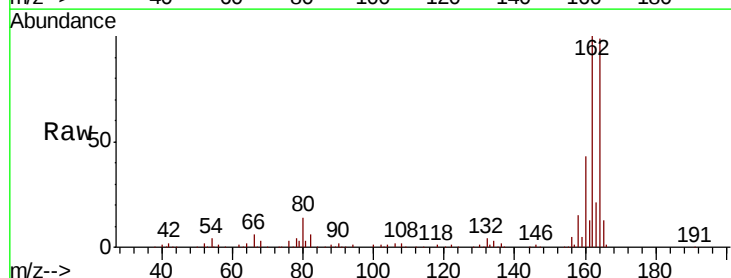
Ion Ratio Lower Upper

165 100

63 1.6 22.4 33.6#

89 1.4 40.2 60.2#

182 0.0 2.6 3.8#

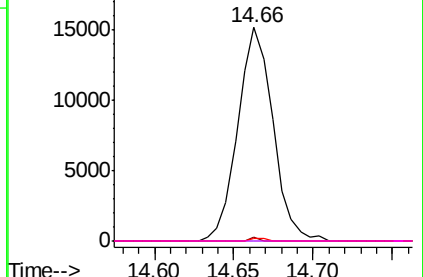
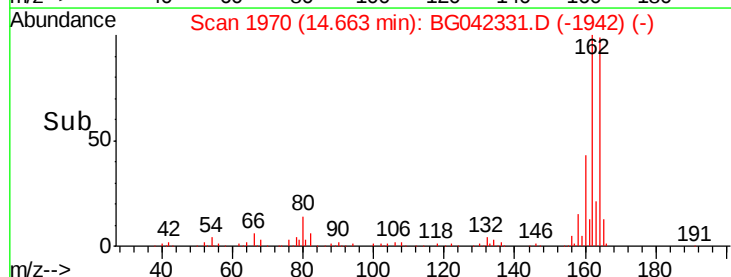


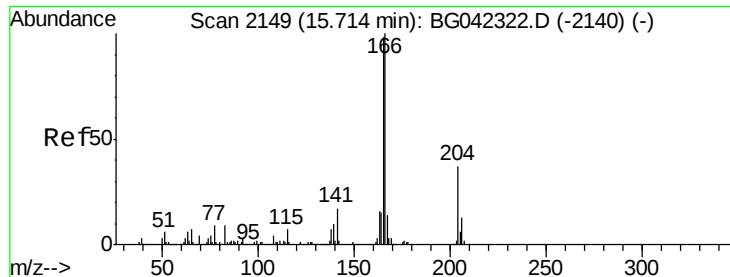
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.793 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.44 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

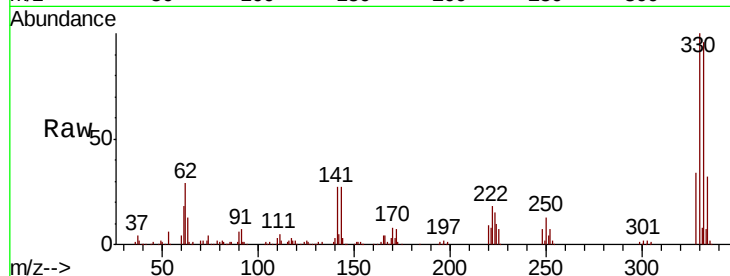
Tot Ion:166 Resp: 9656

Ion Ratio Lower Upper

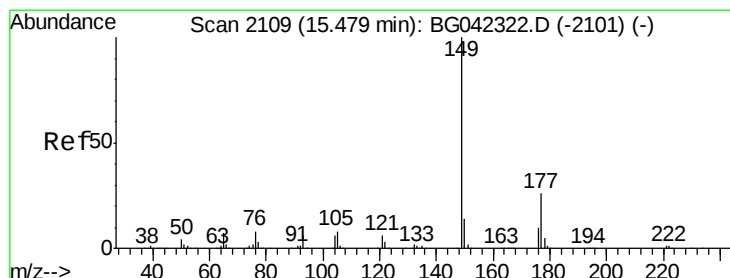
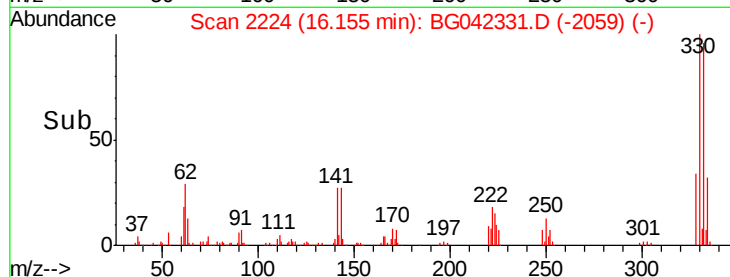
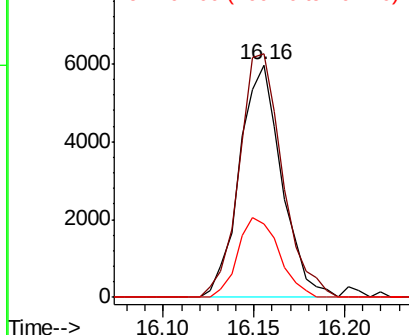
166 100

165 104.8 78.7 118.1

167 31.6 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: 0.010 ng

RT: 15.49 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

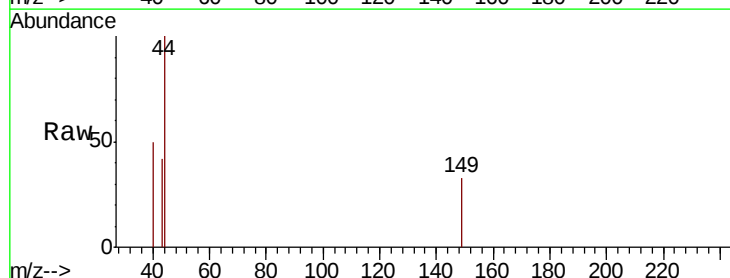
Tgt Ion:149 Resp: 118

Ion Ratio Lower Upper

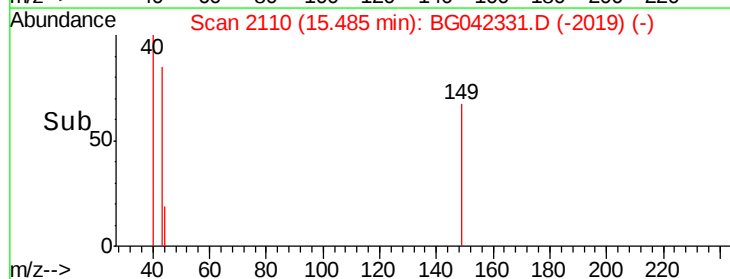
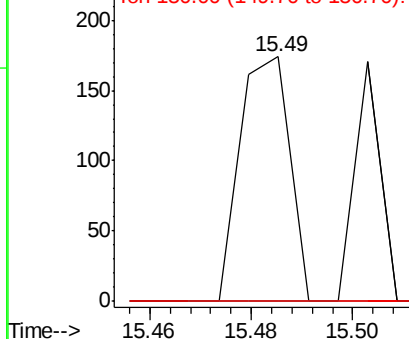
149 100

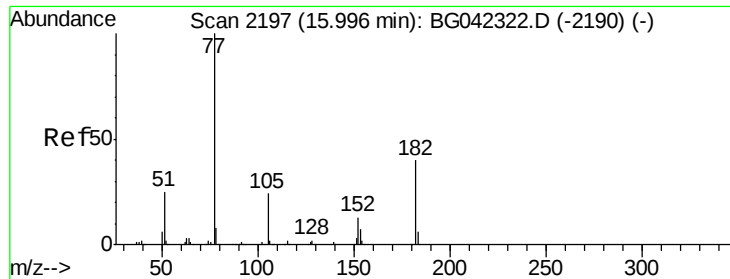
177 0.0 20.7 31.1#

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

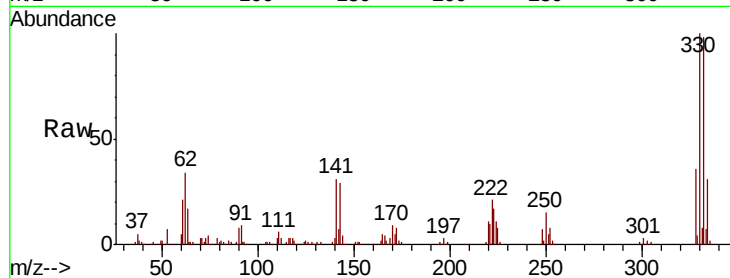




#63
Azobenzene
Concen: 0.094 ng
RT: 16.15 min Scan# 2223
Delta R.T. 0.15 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	0.0	19.7	59.7#	
105	146.1	3.5	43.5#	
51	115.7	5.4	45.4#	



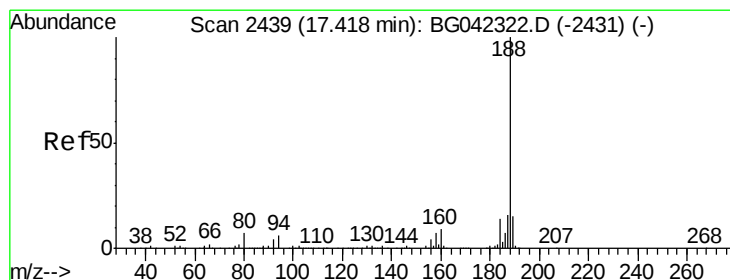
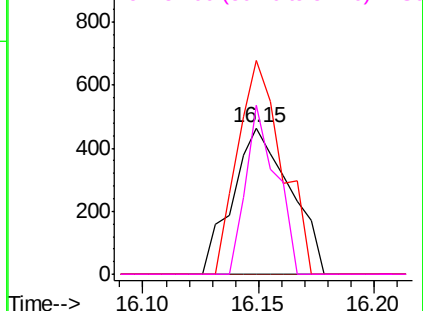
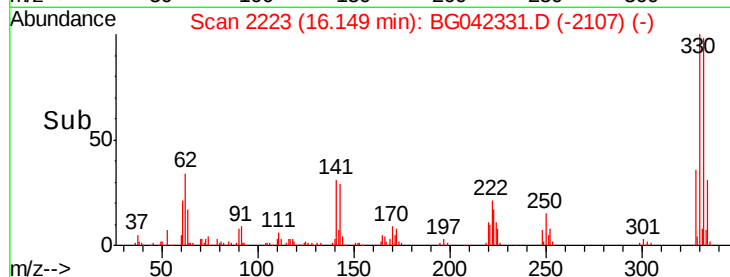
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

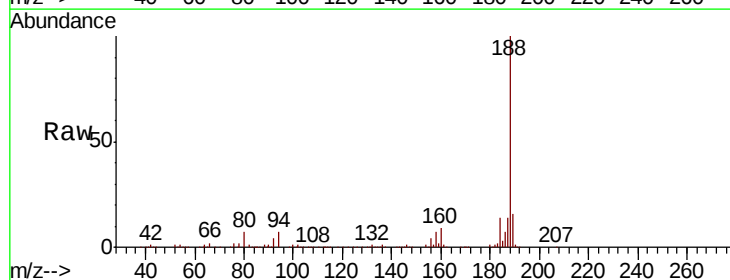
Ion 105.00 (104.70 to 105.70): BGC

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. -0.01 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	6.6	4.9	7.3	
80	6.8	5.4	8.0	

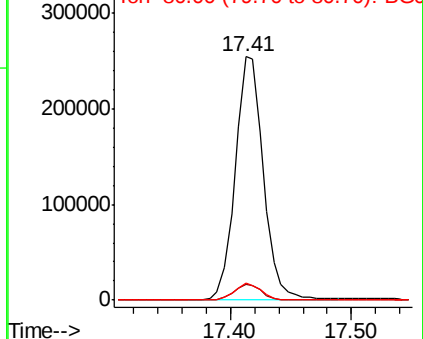
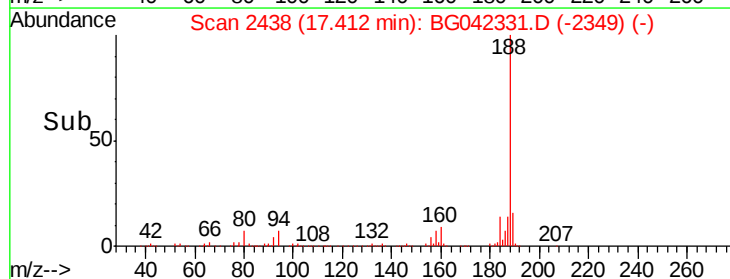


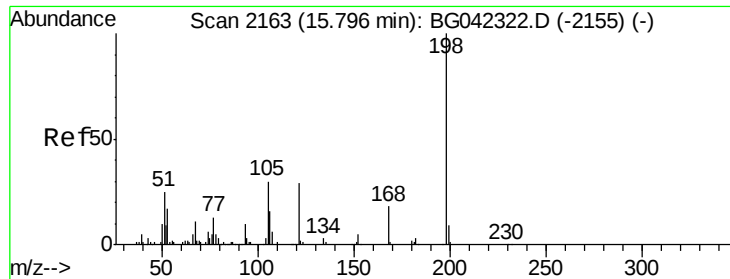
Abundance

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: 0.209 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.36 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

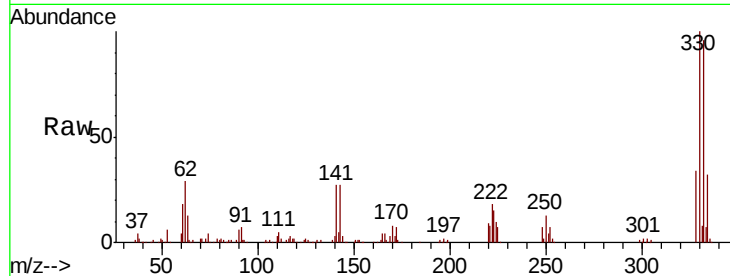
Tot Ion:198 Resp: 529

Ion Ratio Lower Upper

198 100

51 74.0 6.4 46.4#

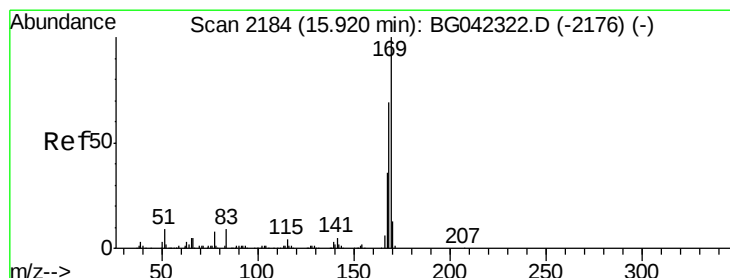
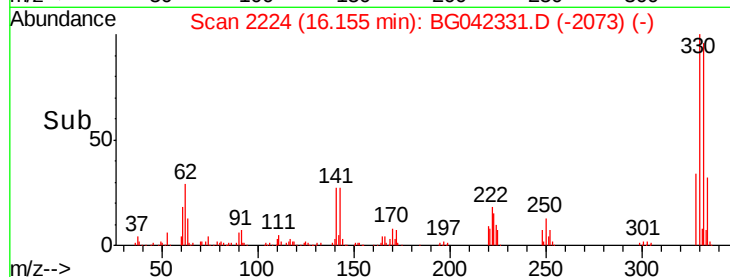
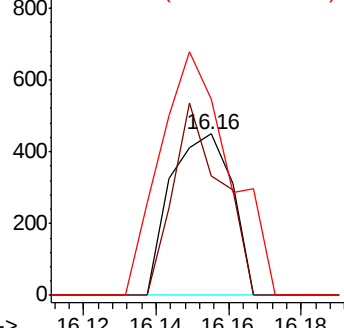
105 121.6 10.0 50.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.639 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.24 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

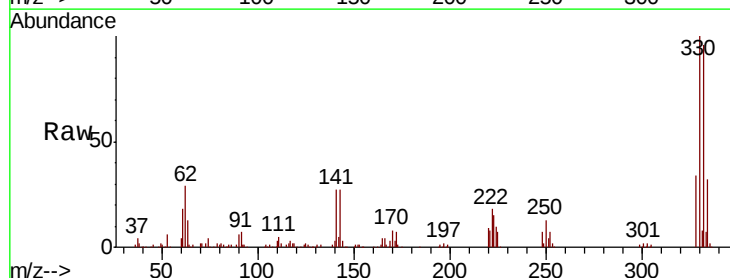
Tgt Ion:169 Resp: 7408

Ion Ratio Lower Upper

169 100

168 7.0 55.5 83.3#

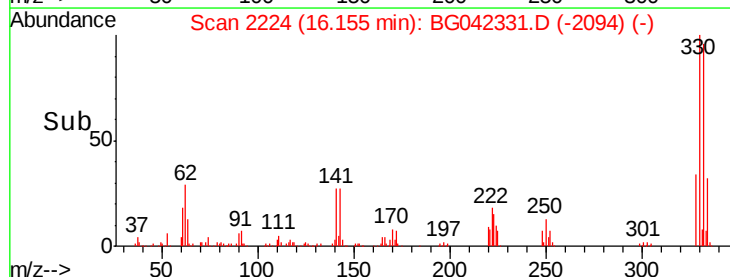
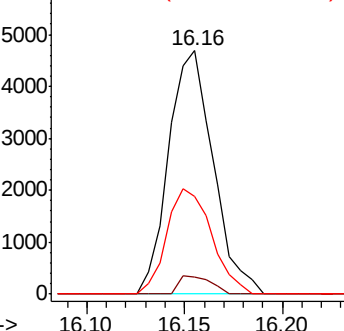
167 40.3 28.9 43.3

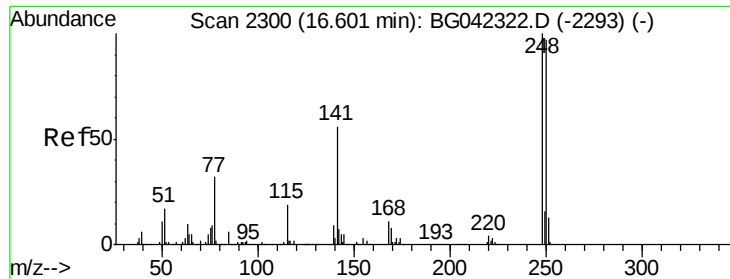


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

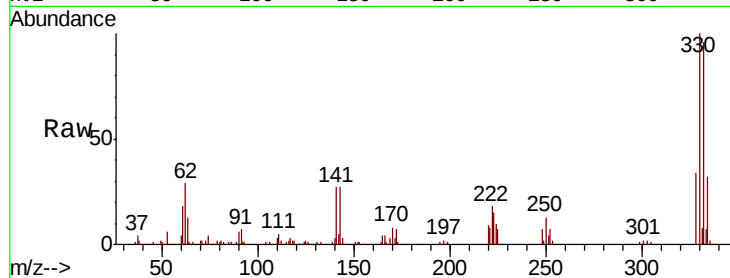




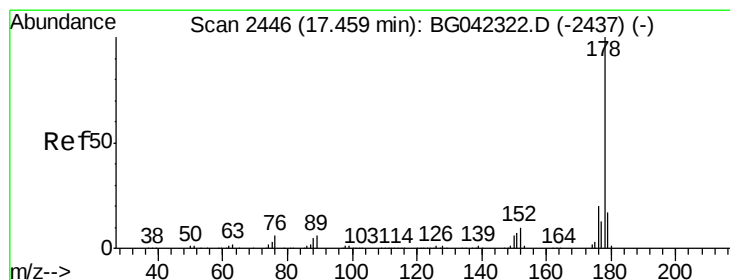
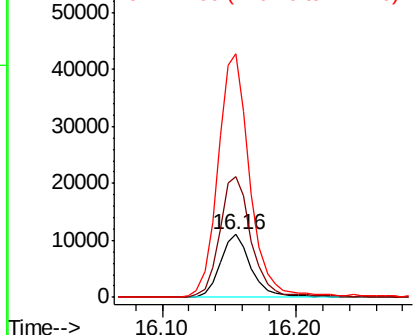
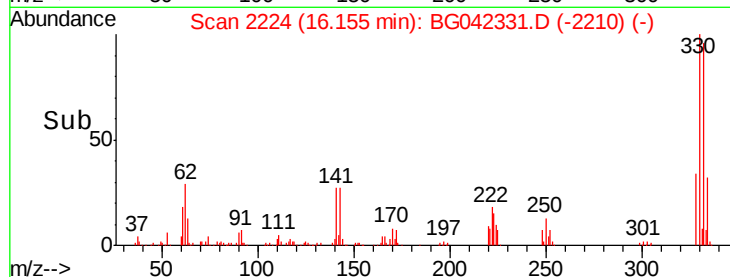
#67
 4-Bromophenyl-phenylether
 Concen: 3.368 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 17756
 Ion Ratio Lower Upper
 248 100
 250 191.7 78.0 117.0#
 141 386.5 44.9 67.3#

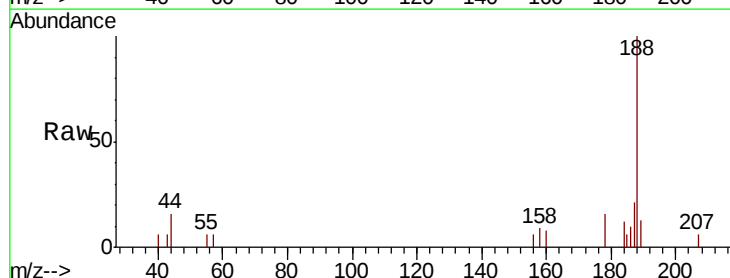


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

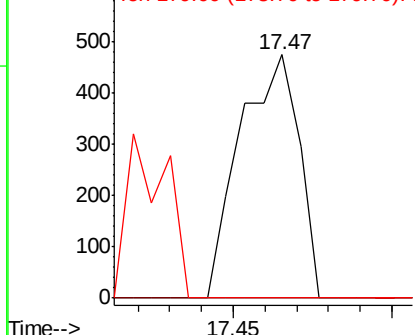
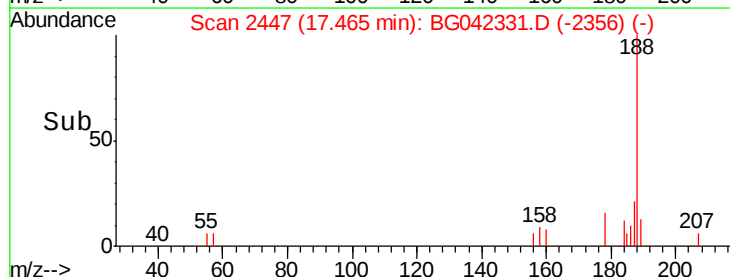


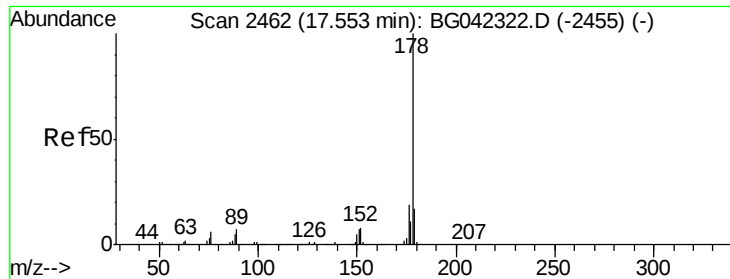
#71
 Phenanthrene
 Concen: 0.030 ng
 RT: 17.47 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Tgt Ion:178 Resp: 609
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.4#
 179 0.0 13.7 20.5#



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

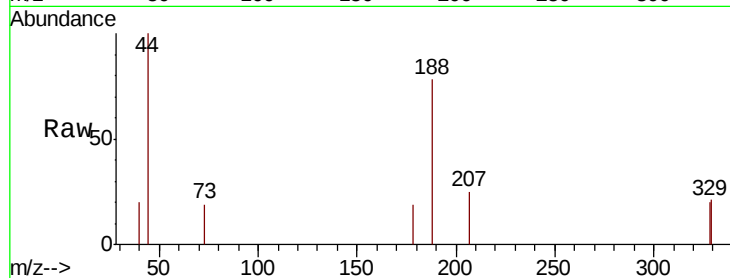




#72
 Anthracene
 Concen: 0.003 ng
 RT: 17.57 min Scan# 2464
 Delta R.T. 0.01 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.5	23.3#
179	0.0	13.6	20.4#

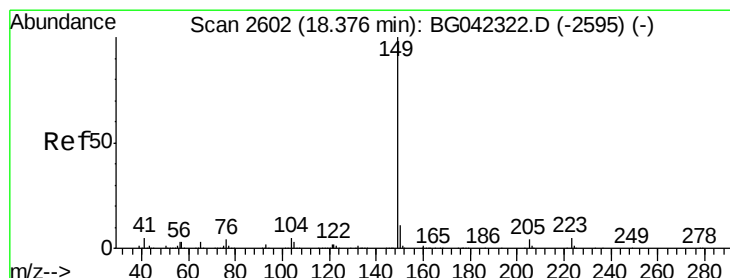
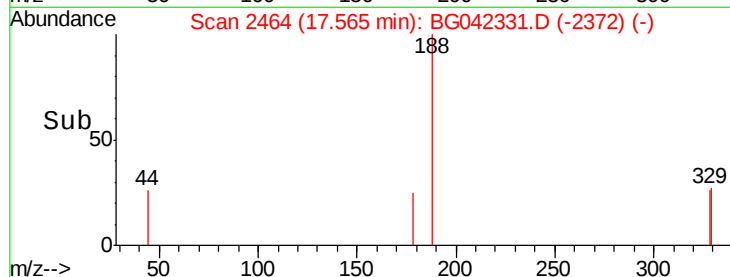
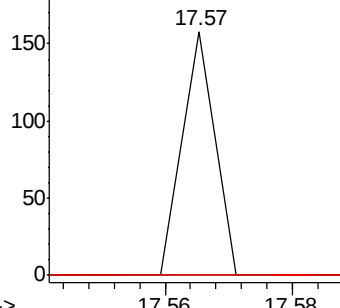


Abundance

Ion 178.00 (177.70 to 178.70): E

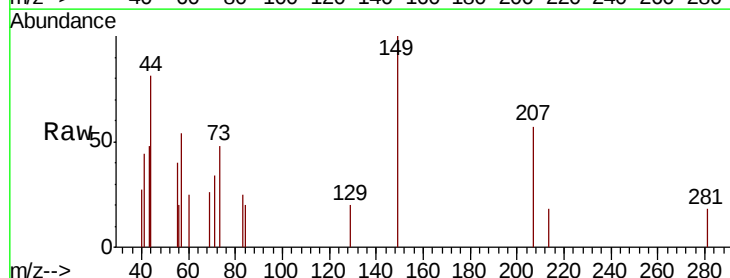
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Di-n-butylphthalate
 Concen: 0.056 ng
 RT: 18.38 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.4	12.6#
104	0.0	3.7	5.5#

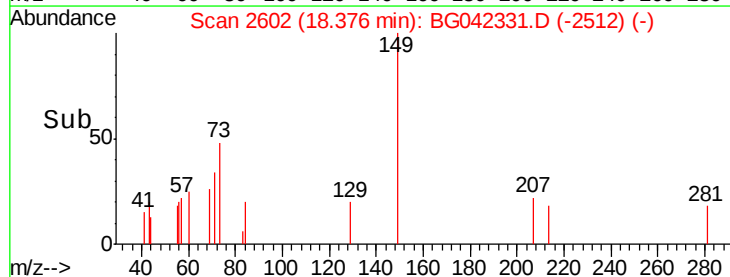
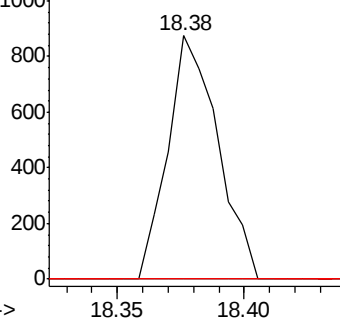


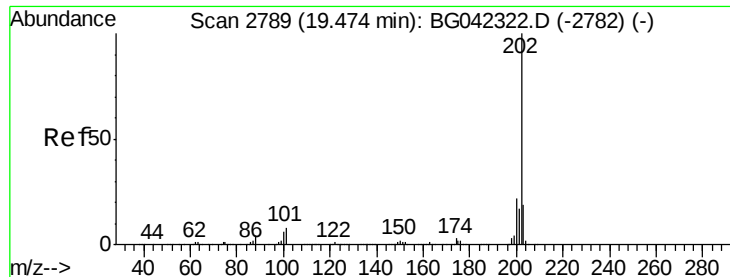
Abundance

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: 0.049 ng

RT: 19.48 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampled :

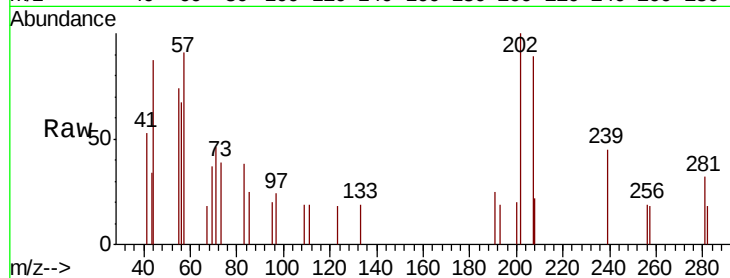
Tot Ion:202 Resp: 1231

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.0

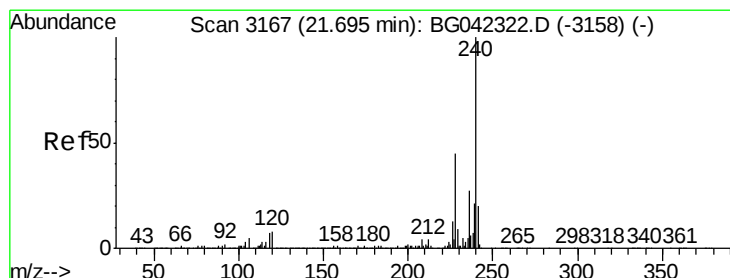
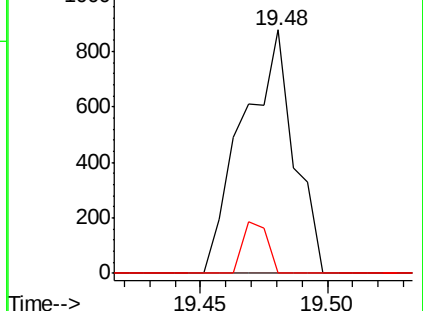
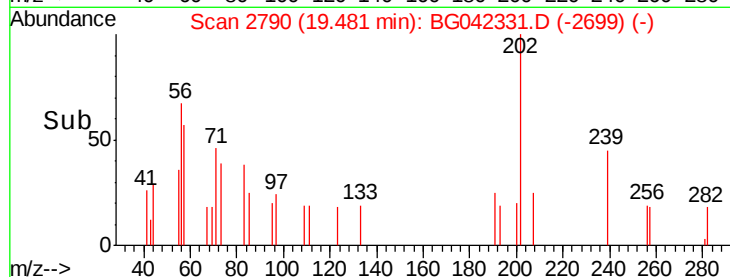
203 0.0 0.0 39.1



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. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

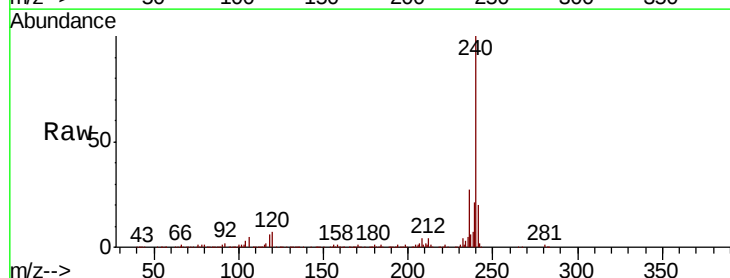
Tgt Ion:240 Resp: 442110

Ion Ratio Lower Upper

240 100

120 7.5 6.0 9.0

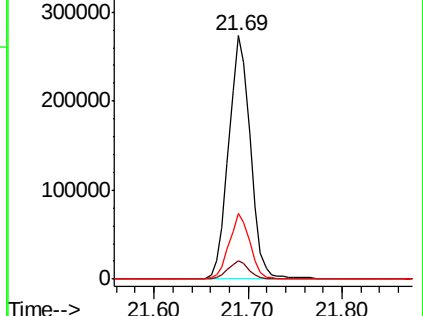
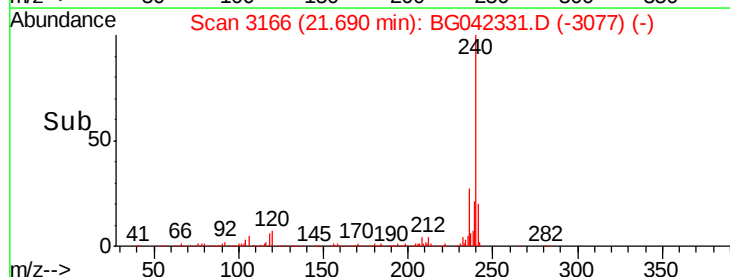
236 26.8 21.6 32.4

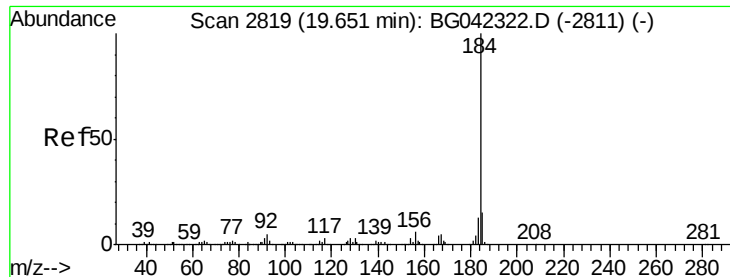


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.580 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

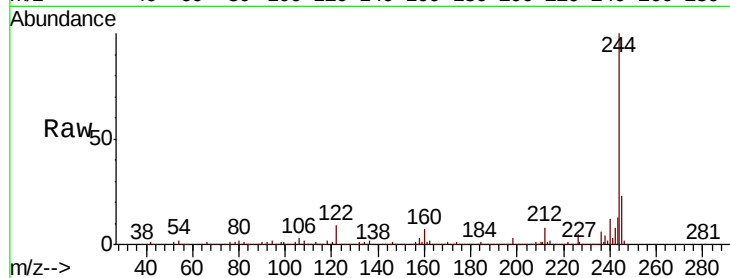
Tot Ion:184 Resp: 18523

Ion Ratio Lower Upper

184 100

185 17.7 11.8 17.6#

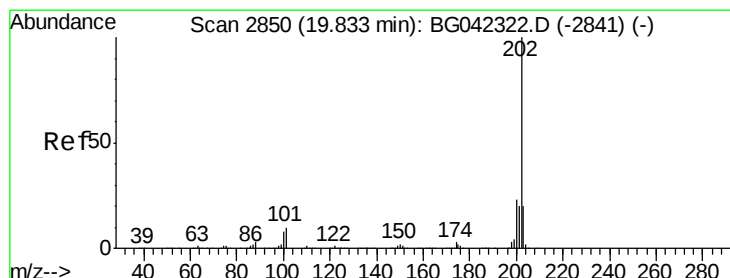
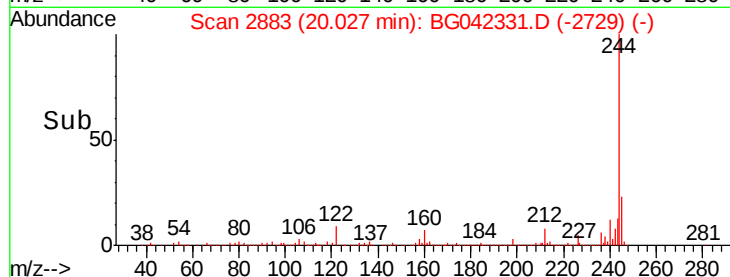
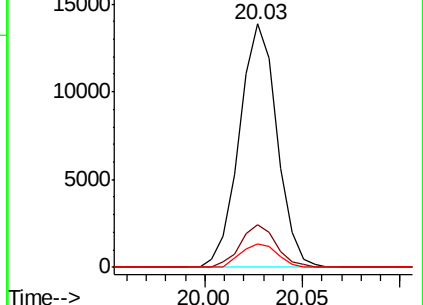
183 9.5 10.6 15.8#



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

Pyrene

Concen: 0.047 ng

RT: 19.83 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

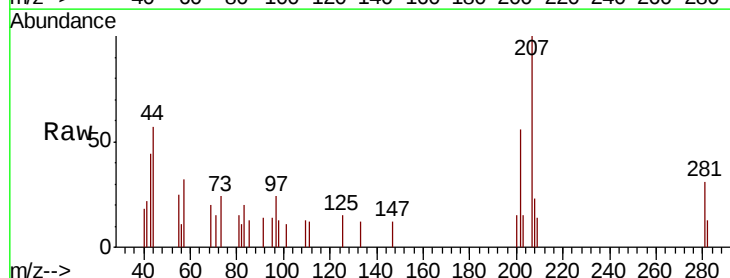
Tgt Ion:202 Resp: 1289

Ion Ratio Lower Upper

202 100

200 27.7 18.1 27.1#

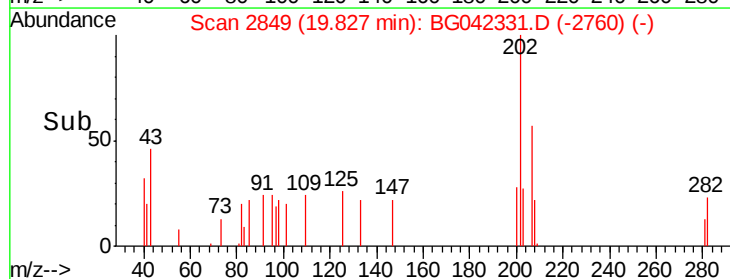
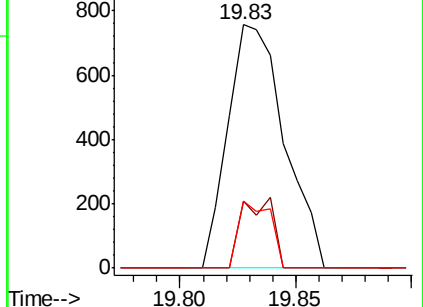
203 27.3 15.8 23.8#

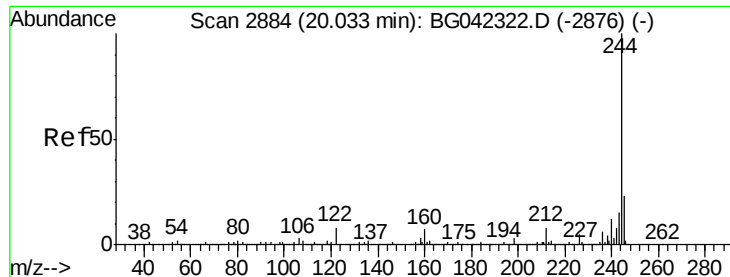


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.487 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampled :

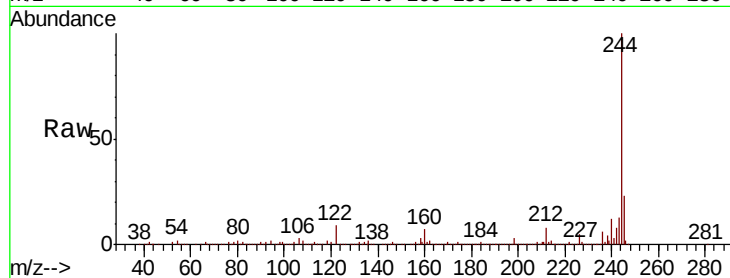
Tot Ion:244 Resp: 1442973

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

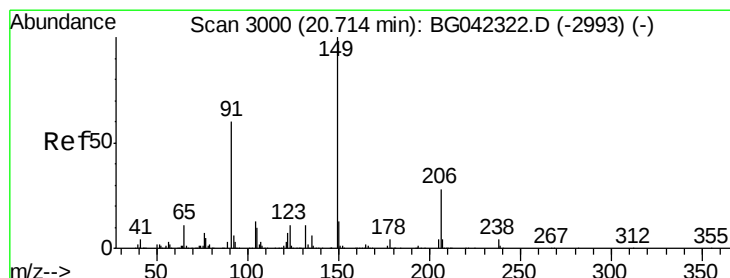
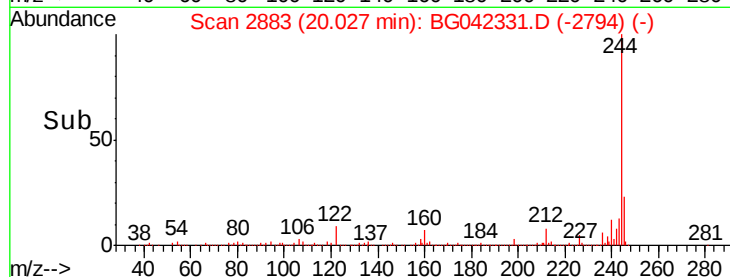
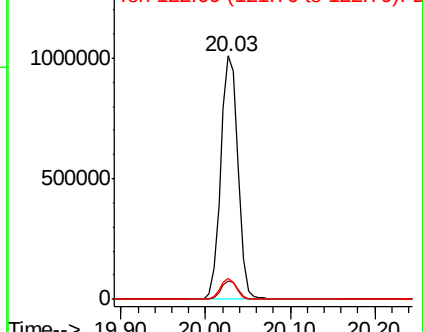
122 8.6 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.007 ng

RT: 20.71 min Scan# 2999

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

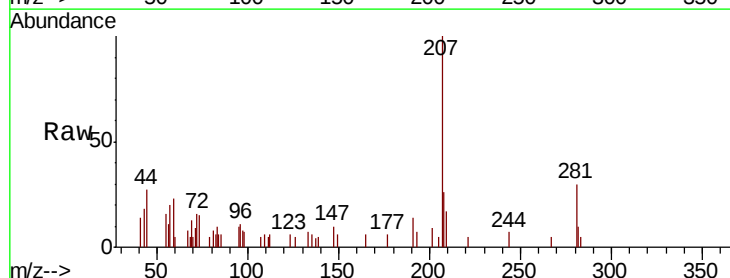
Tgt Ion:149 Resp: 78

Ion Ratio Lower Upper

149 100

91 0.0 47.8 71.6#

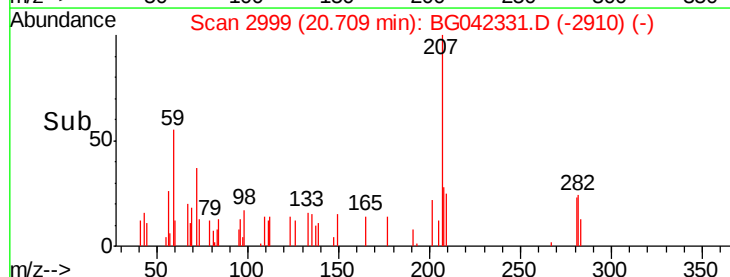
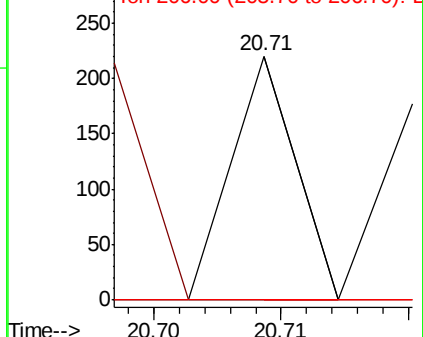
206 0.0 22.6 33.8#

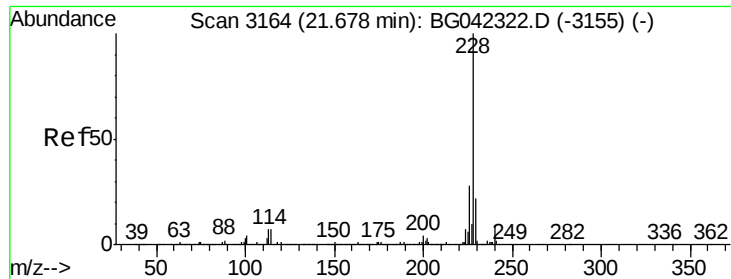


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

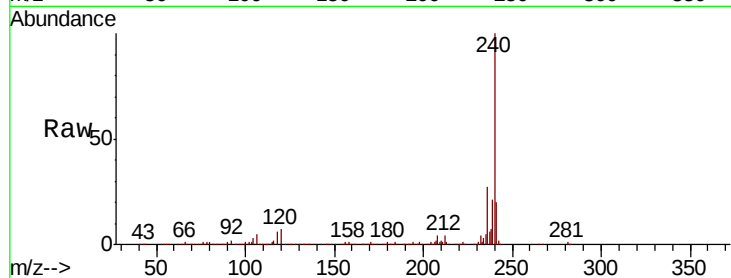




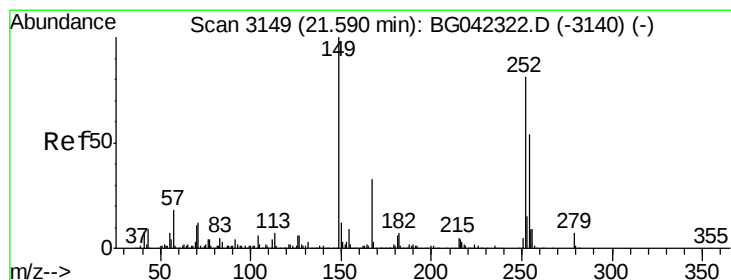
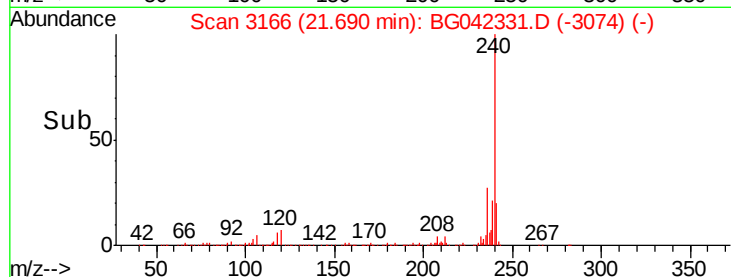
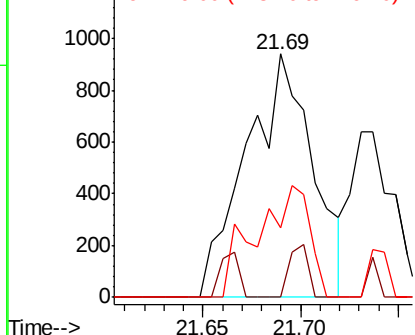
#81
Benzo(a)anthracene
Concen: 0.082 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:228 Resp: 2221
Ion Ratio Lower Upper
228 100
226 0.0 22.7 34.1#
229 28.4 17.4 26.2#

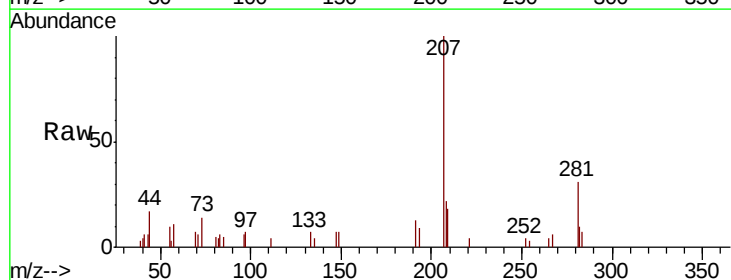


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

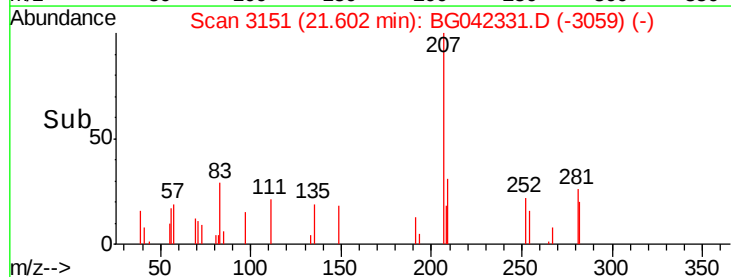
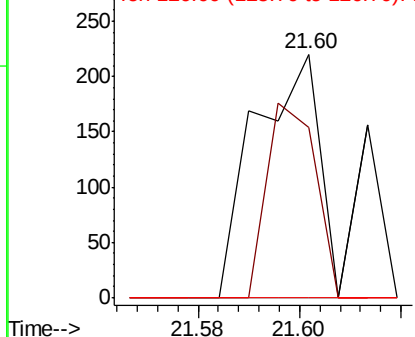


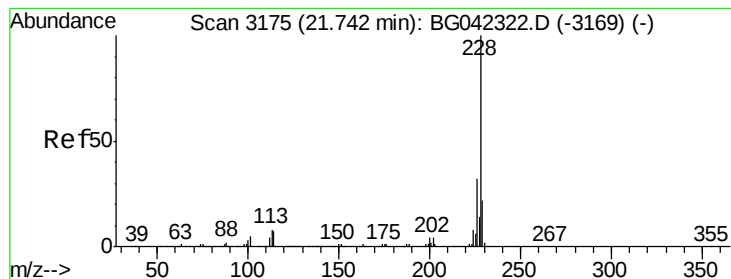
#82
3,3'-Dichlorobenzidine
Concen: 0.018 ng
RT: 21.60 min Scan# 3151
Delta R.T. 0.01 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

Tgt Ion:252 Resp: 194
Ion Ratio Lower Upper
252 100
254 70.0 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: 0.036 ng

RT: 21.73 min Scan# 3173

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampled :

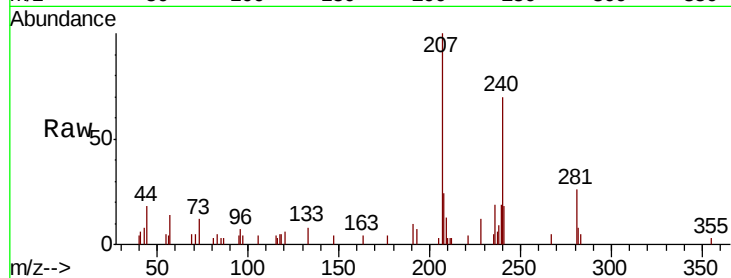
Tot Ion:228 Resp: 933

Ion Ratio Lower Upper

228 100

226 0.0 25.6 38.4#

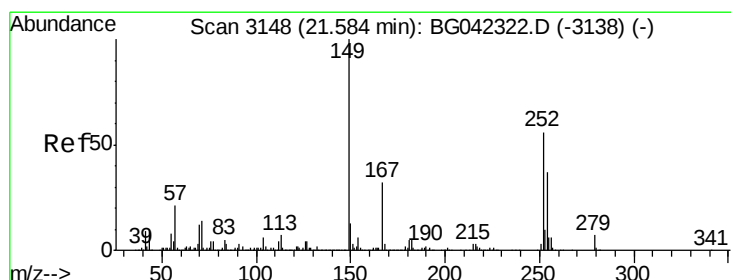
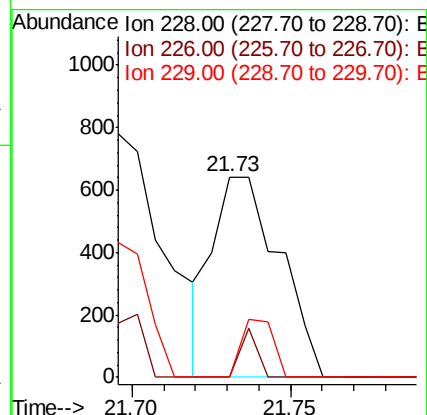
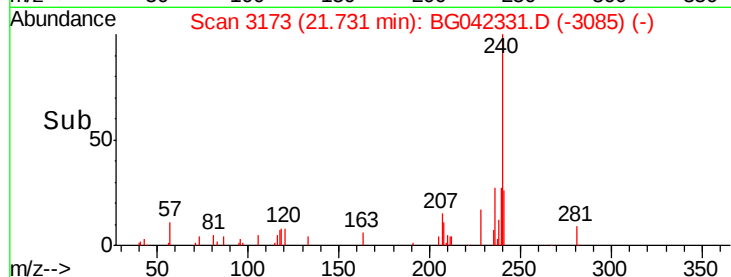
229 0.0 17.8 26.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.260 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

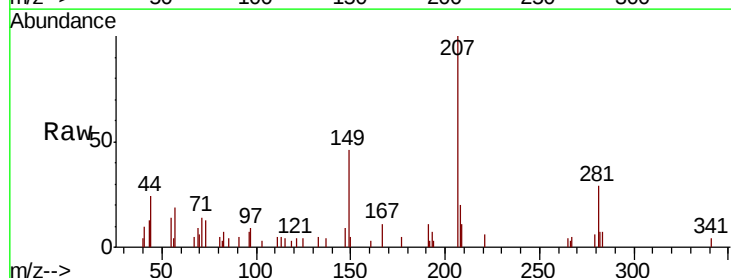
Tgt Ion:149 Resp: 3903

Ion Ratio Lower Upper

149 100

167 24.5 25.4 38.0#

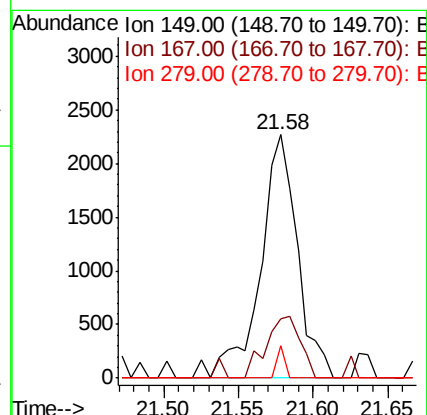
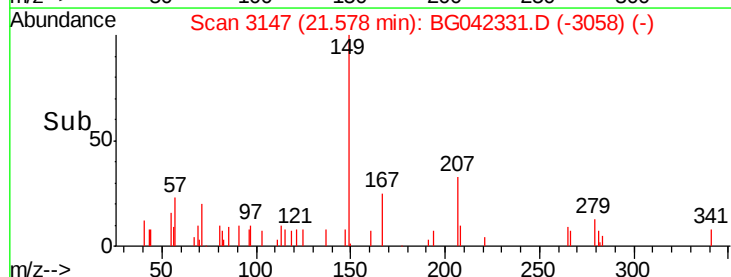
279 13.5 5.8 8.6#

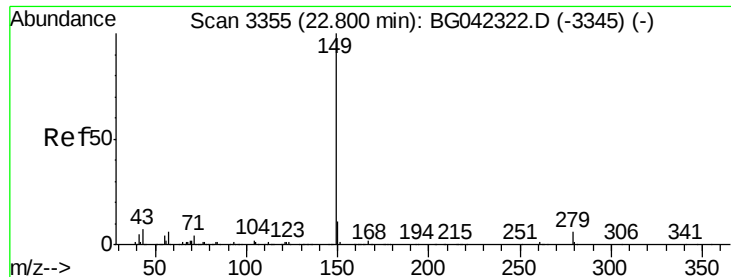


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

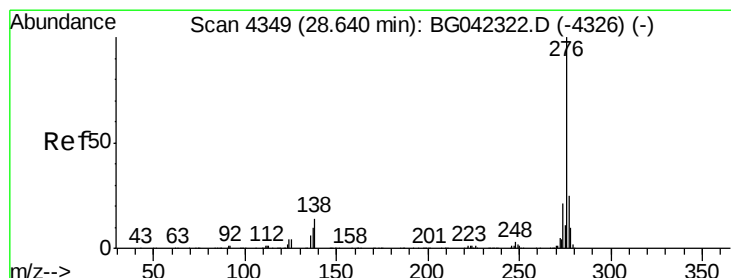
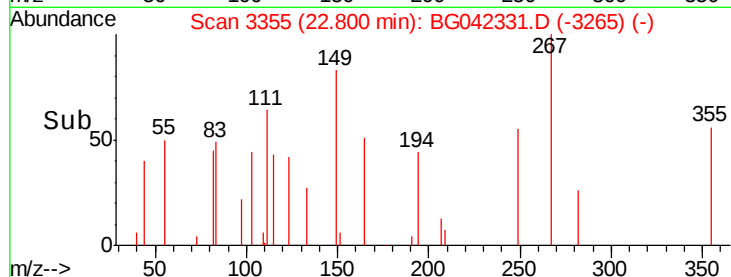
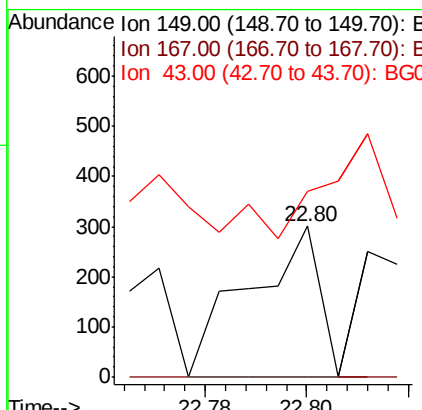
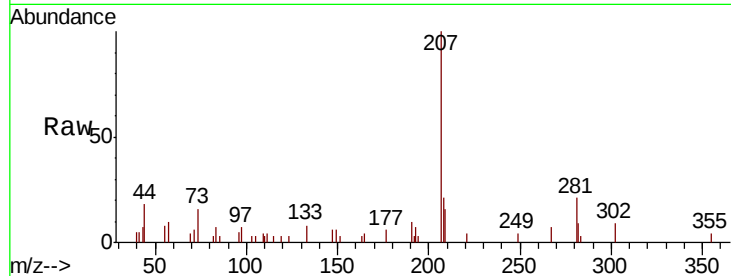




#85
Di-n-octyl phthalate
Concen: 0.011 ng
RT: 22.80 min Scan# 3355
Delta R.T. 0.00 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

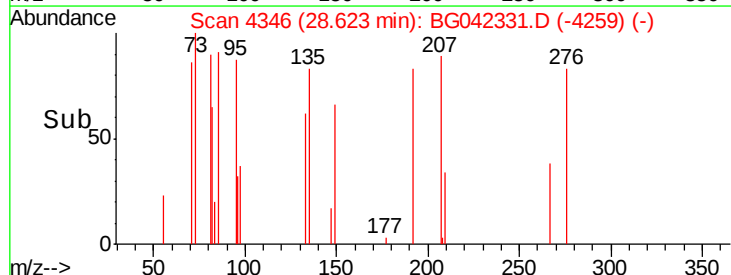
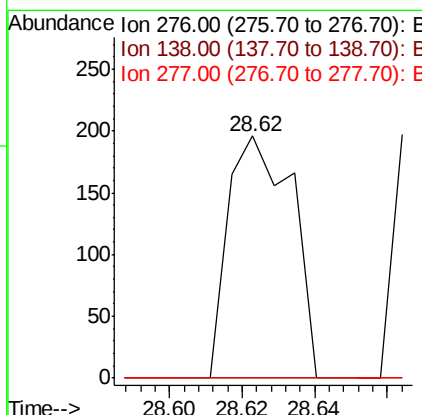
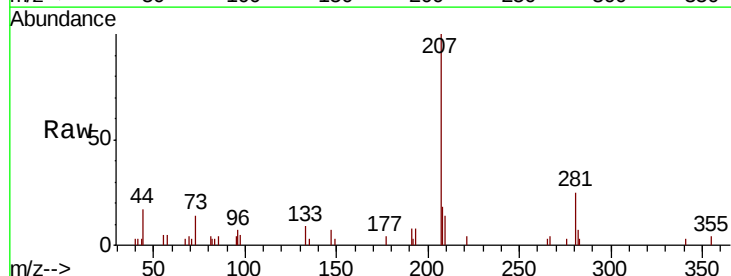
Instrument :
BNA_G
ClientSampled :

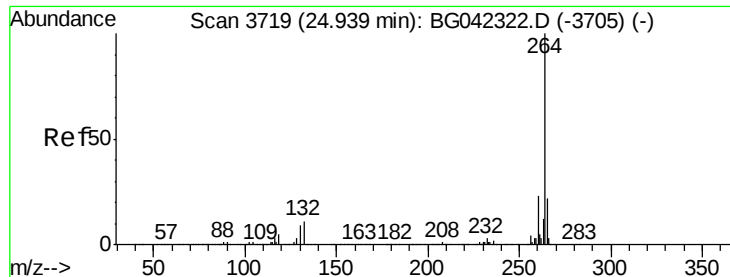
Tot Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.4	2.2#
43	0.0	5.4	8.2#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.007 ng
RT: 28.62 min Scan# 4346
Delta R.T. -0.02 min
Lab File: BG042331.D
Acq: 19 Aug 2019 17:57

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3718

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampleId :

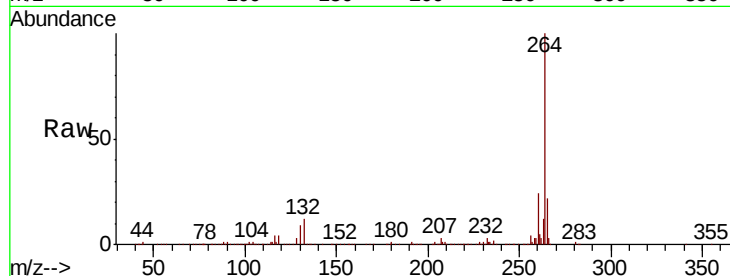
Tot Ion:264 Resp: 517602

Ion Ratio Lower Upper

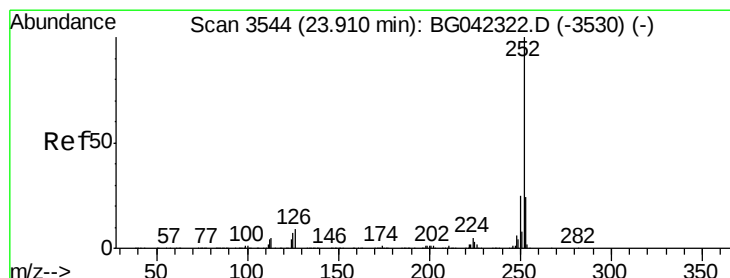
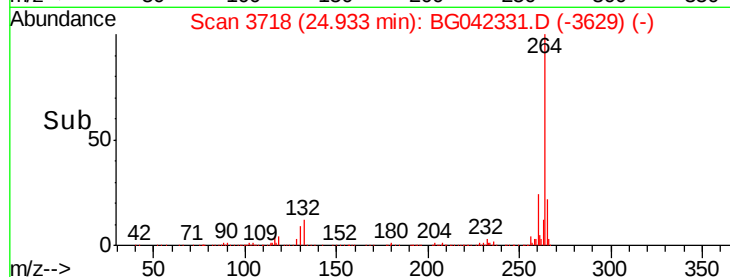
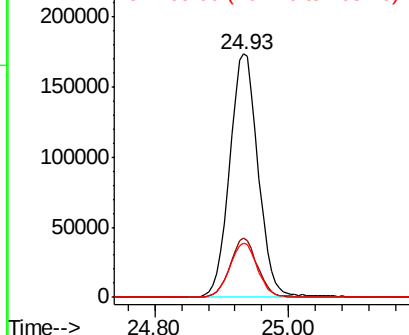
264 100

260 24.5 18.4 27.6

265 22.3 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: 0.024 ng

RT: 23.90 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

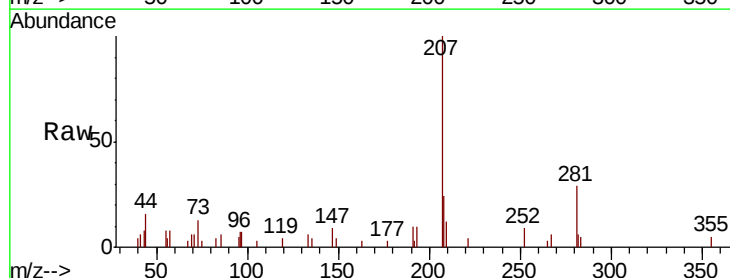
Tgt Ion:252 Resp: 680

Ion Ratio Lower Upper

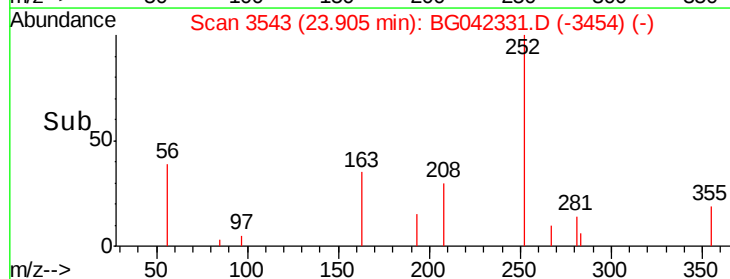
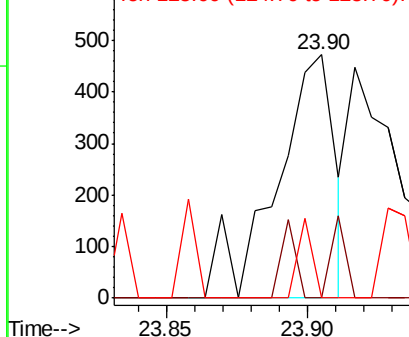
252 100

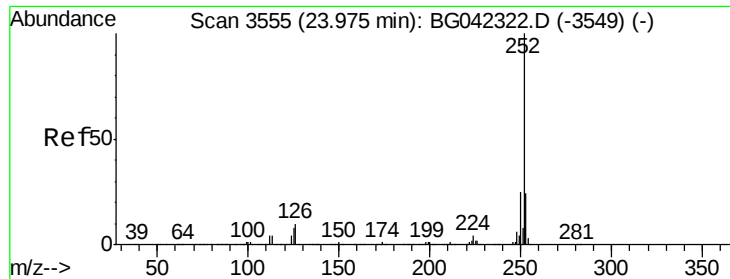
253 0.0 18.9 28.3#

125 0.0 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: 0.013 ng

RT: 23.98 min Scan# 3556

Delta R.T. 0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

Instrument :

BNA_G

ClientSampled :

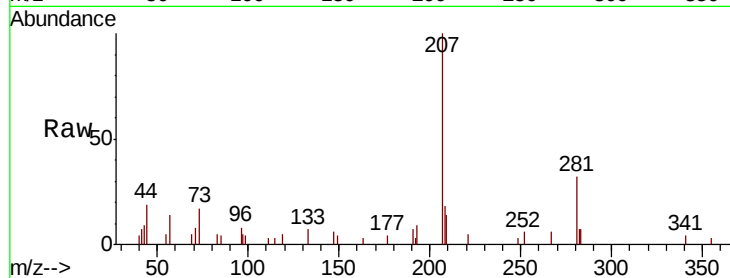
Tot Ion:252 Resp: 369

Ion Ratio Lower Upper

252 100

253 0.0 19.0 28.4#

125 0.0 6.0 9.0#

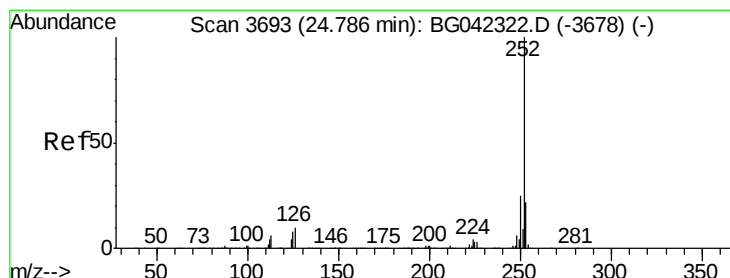
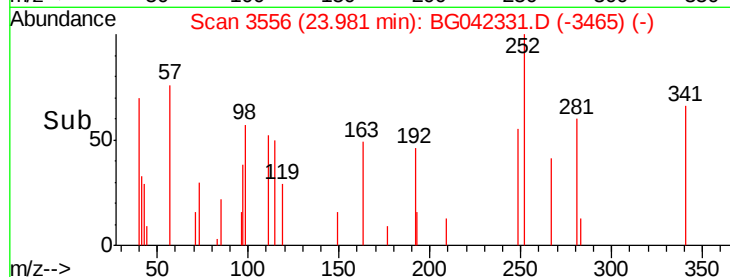
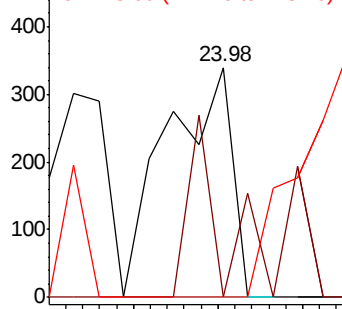


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 0.036 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG042331.D

Acq: 19 Aug 2019 17:57

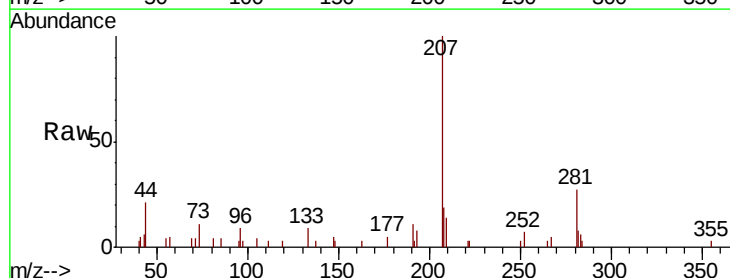
Tgt Ion:252 Resp: 970

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

125 0.0 6.7 10.1#

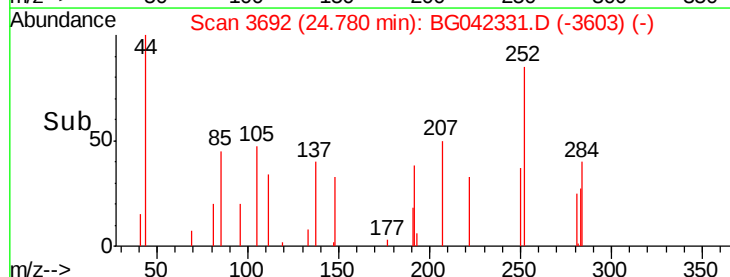
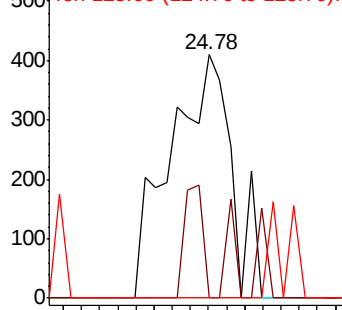


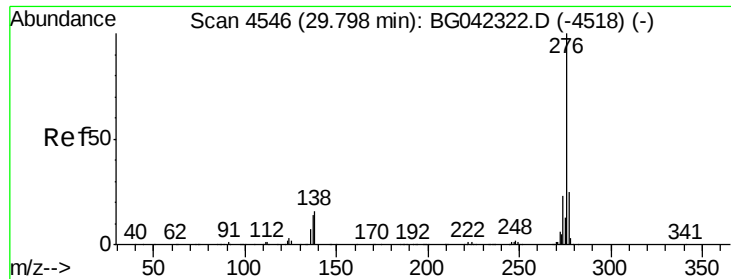
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 0.014 ng
 RT: 29.79 min Scan# 4545
 Delta R.T. -0.01 min
 Lab File: BG042331.D
 Acq: 19 Aug 2019 17:57

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#

