

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042330.D
 Acq On : 19 Aug 2019 17:18
 Operator : HP/JU
 Sample : K4277-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:22:28 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	60931	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	231370	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	169673	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	382675	20.00	ng	0.00
76) Chrysene-d12	21.69	240	397576	20.00	ng	0.00
87) Perylene-d12	24.93	264	463824	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	225306	74.92	ng	0.00
7) Phenol-d6	7.17	99	303020	74.19	ng	0.00
23) Nitrobenzene-d5	9.17	82	171056	52.00	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	168174	72.77	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	491470	49.01	ng	0.00
79) Terphenyl-d14	20.03	244	809539	44.60	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	252	0.194	ng	# 41
4) n-Nitrosodimethylamine	3.73	42	126	0.110	ng	# 1
6) Aniline	7.55	93	202	0.037	ng	# 1
9) Benzaldehyde	7.17	77	499	0.217	ng	# 1
10) Phenol	7.19	94	2924	0.704	ng	# 66
11) bis(2-Chloroethyl)ether	7.55	93	202	0.062	ng	# 1
15) Benzyl Alcohol	8.33	79	2714	0.966	ng	# 54
18) Hexachloroethane	9.12	117	72	0.045	ng	# 1
19) n-Nitroso-di-n-propylamine	9.17	70	22065	8.399	ng	# 68
22) Acetophenone	8.83	105	557	0.113	ng	# 55
24) Nitrobenzene	9.17	77	550	0.164	ng	# 33
25) Isophorone	9.74	82	179	0.027	ng	# 59
31) Naphthalene	10.88	128	921	0.086	ng	# 69
35) Caprolactam	12.26	113	64	0.052	ng	# 1
37) 2-Methylnaphthalene	12.51	142	463	0.054	ng	# 77
38) 1-Methylnaphthalene	12.72	142	681	0.083	ng	# 62
46) 1,1'-Biphenyl	13.50	154	819	0.074	ng	# 92
48) 2-Nitroaniline	14.10	65	655	0.294	ng	# 1
49) Acenaphthylene	14.40	152	277	0.020	ng	# 59
50) Dimethylphthalate	14.12	163	117412	9.738	ng	# 99
51) 2,6-Dinitrotoluene	14.12	165	1192	0.422	ng	# 27
52) Acenaphthene	14.73	154	825	0.095	ng	# 88
55) Dibenzofuran	15.08	168	523	0.037	ng	# 47
57) 2,4-Dinitrotoluene	14.66	165	22321	5.658	ng	# 36
58) Fluorene	15.73	166	840	0.073	ng	# 76
63) Azobenzene	16.16	77	533	0.066	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.16	198	158	0.068	ng	# 1
66) n-Nitrosodiphenylamine	16.16	169	5045	0.471	ng	# 49
67) 4-Bromophenyl-phenylether	16.16	248	11537	2.369	ng	# 1
71) Phenanthrene	17.46	178	27157	1.425	ng	# 100
72) Anthracene	17.46	178	27157	1.429	ng	# 99
73) Carbazole	17.83	167	1275	0.076	ng	# 70
74) Di-n-butylphthalate	18.38	149	1564	0.079	ng	# 76
75) Fluoranthene	19.47	202	52049	2.265	ng	# 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

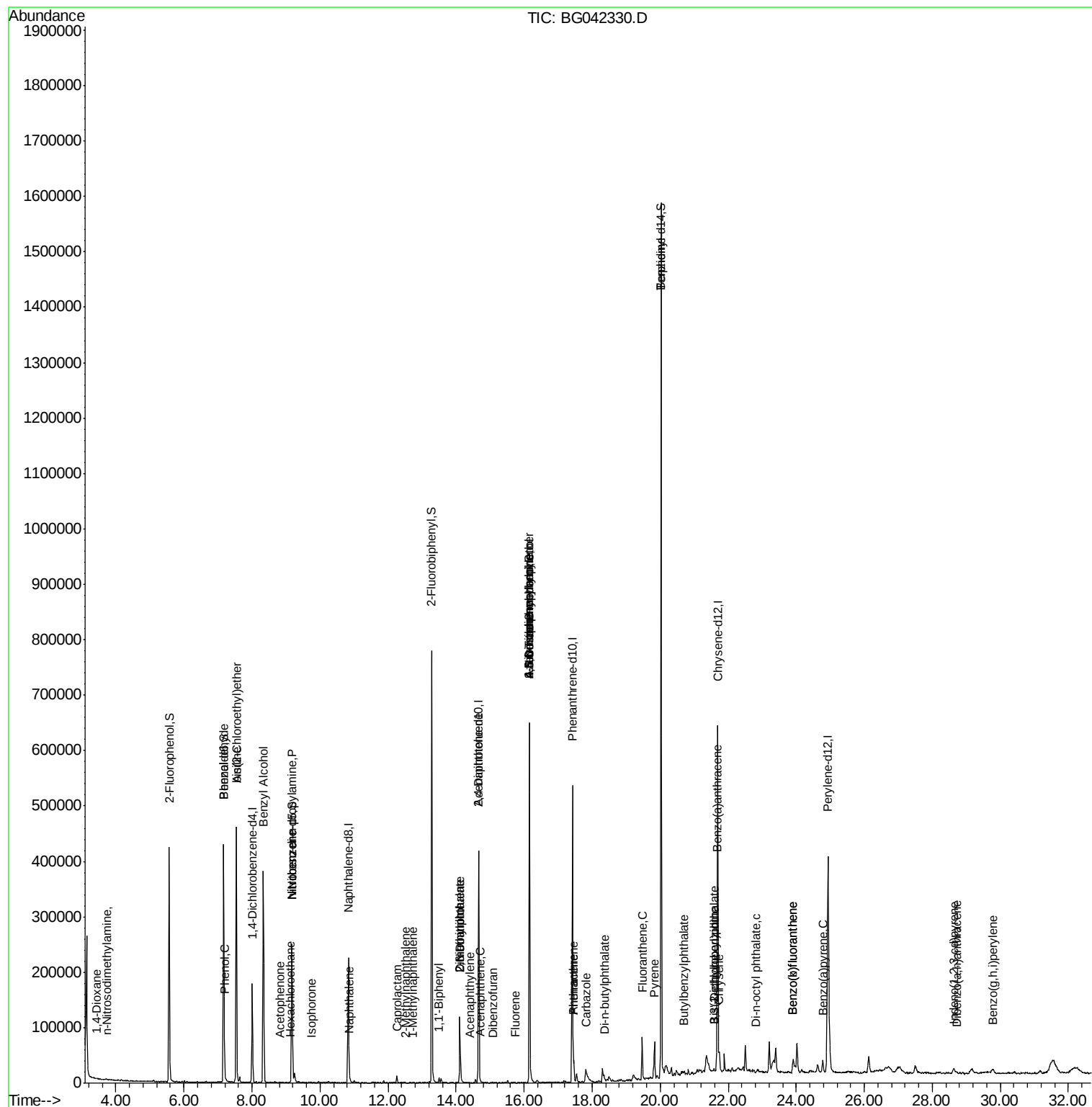
77) Benzidine	20.03	184	9842	0.934	nq	95
78) Pyrene	19.83	202	46593	1.905	nq	99
80) Butylbenzylphthalate	20.71	149	342	0.035	nq #	66
81) Benzo(a)anthracene	21.67	228	29619	1.213	nq	99
82) 3,3'-Dichlorobenzidine	21.59	252	340	0.035	nq #	23
83) Chrysene	21.74	228	25963	1.112	nq	96
84) Bis(2-ethylhexyl)phthalate	21.58	149	3860	0.286	nq #	78
85) Di-n-octyl phthalate	22.81	149	573	0.025	nq #	80
86) Indeno(1,2,3-cd)pyrene	28.63	276	16129	0.517	nq #	68
88) Benzo(b)fluoranthene	23.91	252	33634	1.319	nq	98
89) Benzo(k)fluoranthene	23.91	252	33634	1.350	nq	98
90) Benzo(a)pyrene	24.78	252	26469	1.084	nq	98
91) Dibenzo(a,h)anthracene	28.72	278	1089	0.045	nq #	57
92) Benzo(q,h,i)perylene	29.79	276	14668	0.604	nq	94

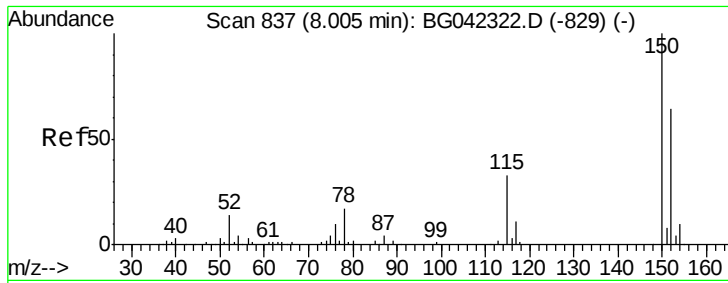
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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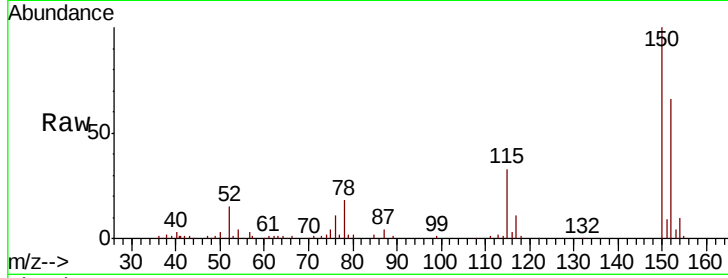


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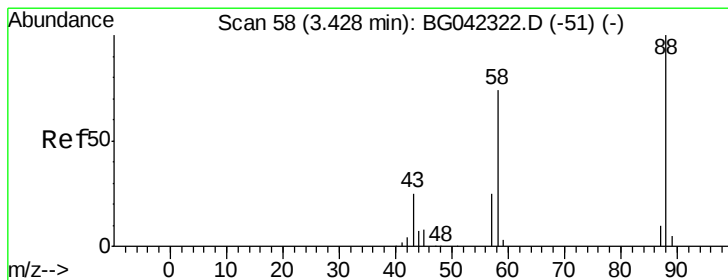
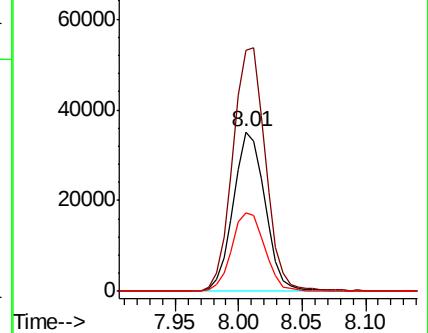
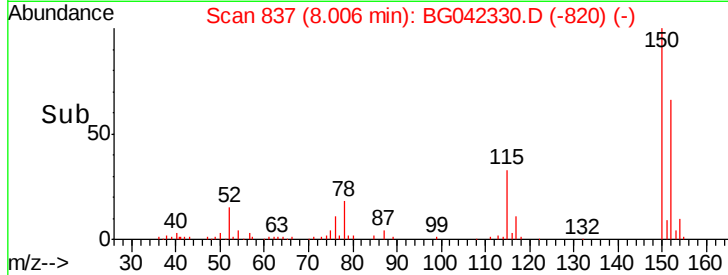
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60931
Ion Ratio Lower Upper
152 100
150 151.4 124.3 186.5
115 49.6 40.5 60.7



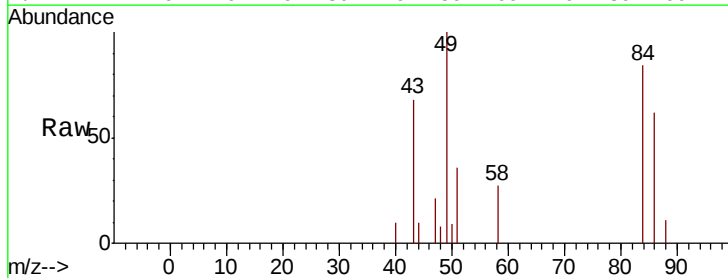
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



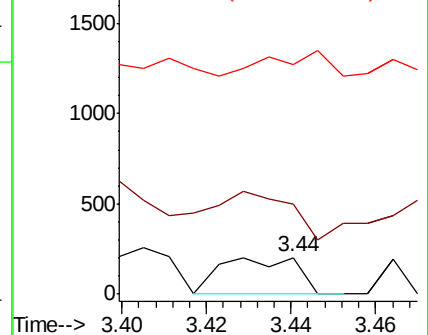
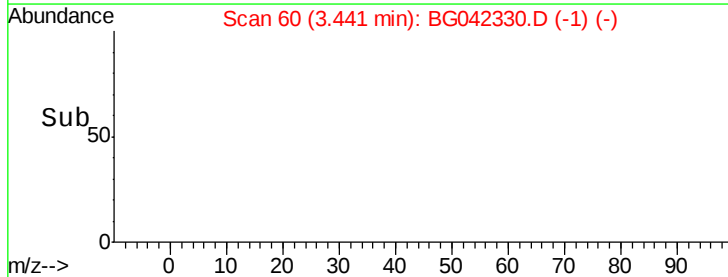
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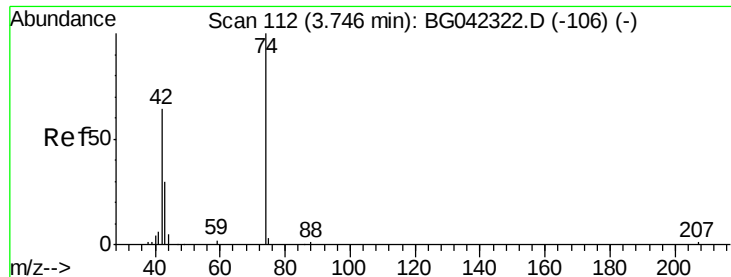
1,4-Dioxane
Concen: 0.194 ng
RT: 3.44 min Scan# 60
Delta R.T. 0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
58 125.8 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: 0.110 ng

RT: 3.73 min Scan# 109

Delta R.T. -0.02 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

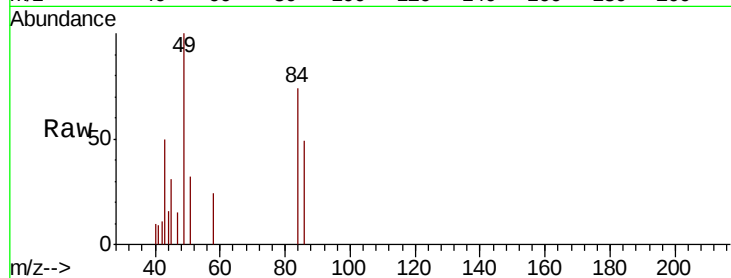
Tot Ion: 42 Resp: 126

Ion Ratio Lower Upper

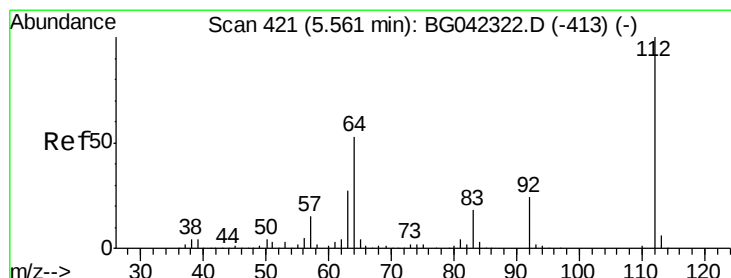
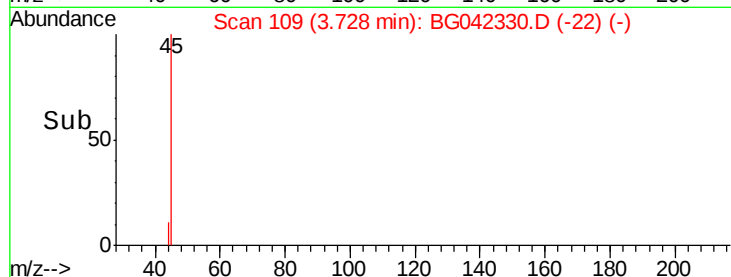
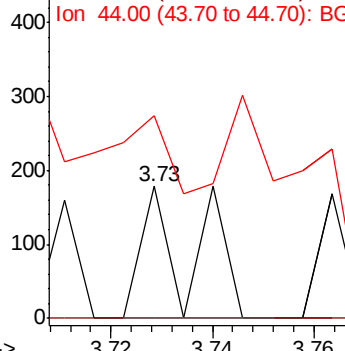
42 100

74 0.0 124.2 186.2#

44 153.9 6.5 9.7#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 74.919 ng

RT: 5.56 min Scan# 421

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

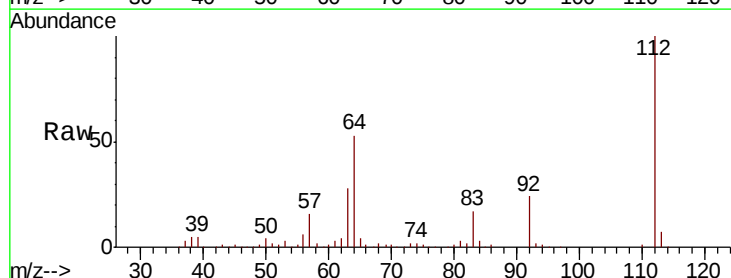
Tgt Ion: 112 Resp: 225306

Ion Ratio Lower Upper

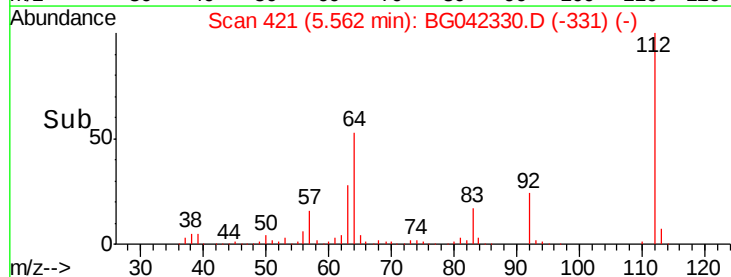
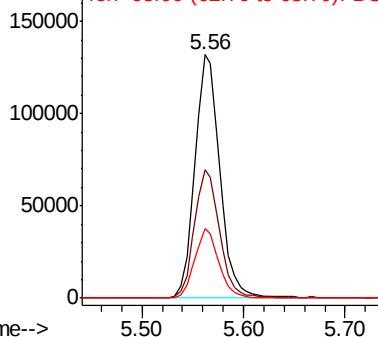
112 100

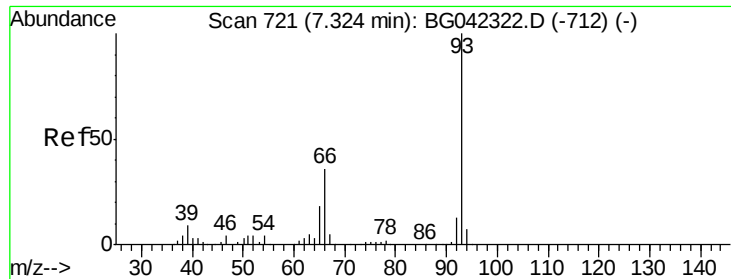
64 52.9 42.5 63.7

63 28.5 21.7 32.5



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





#6

Aniline

Concen: 0.037 ng

RT: 7.55 min Scan# 759

Delta R.T. 0.22 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

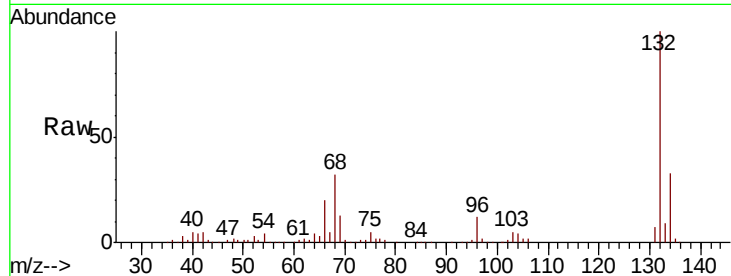
Tot Ion: 93 Resp: 202

Ion Ratio Lower Upper

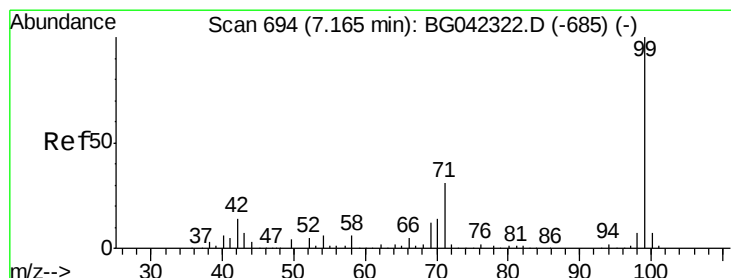
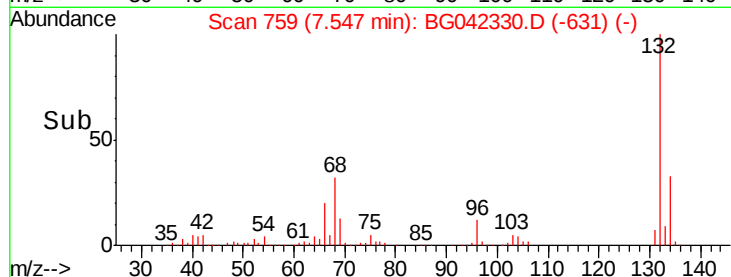
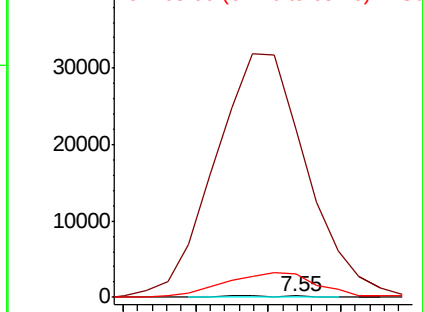
93 100

66 11044.0 29.1 43.7#

65 1527.0 14.7 22.1#



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



#7

Phenol-d6

Concen: 74.192 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

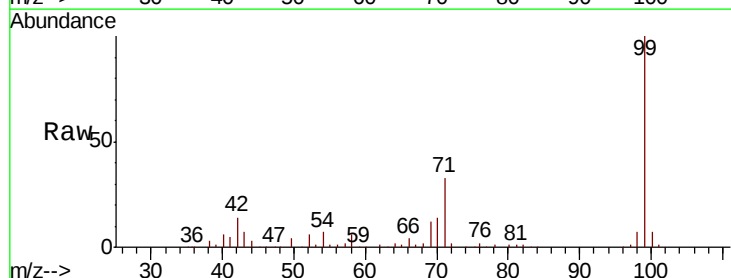
Tgt Ion: 99 Resp: 303020

Ion Ratio Lower Upper

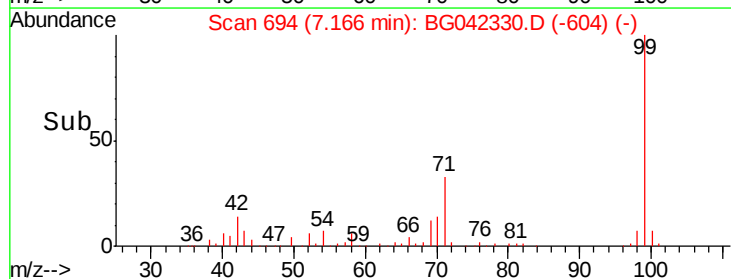
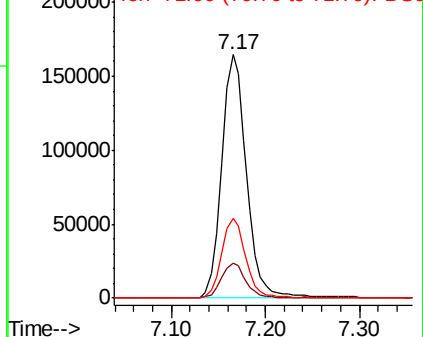
99 100

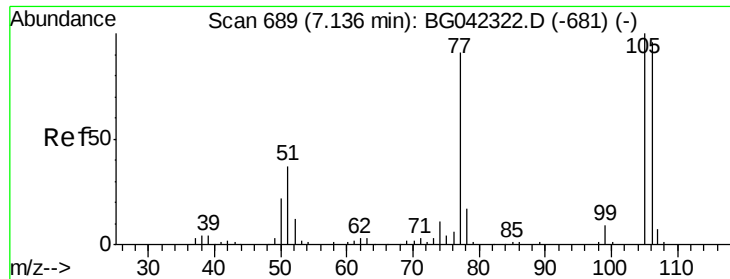
42 14.2 11.4 17.0

71 32.8 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

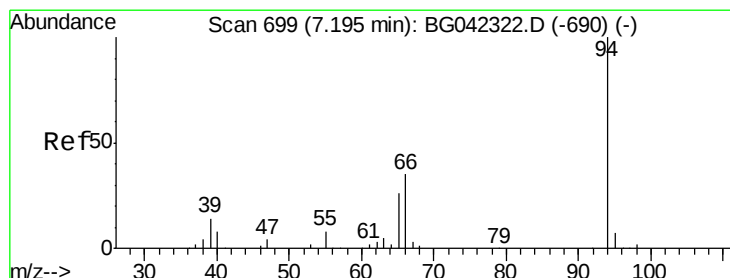
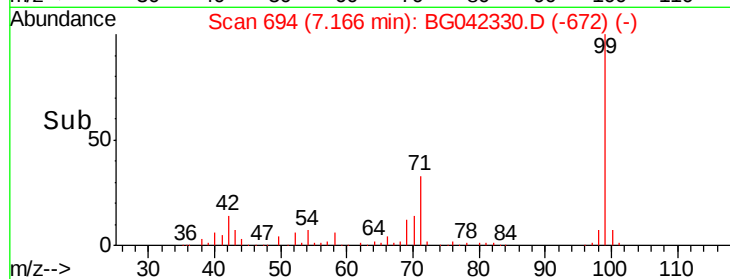
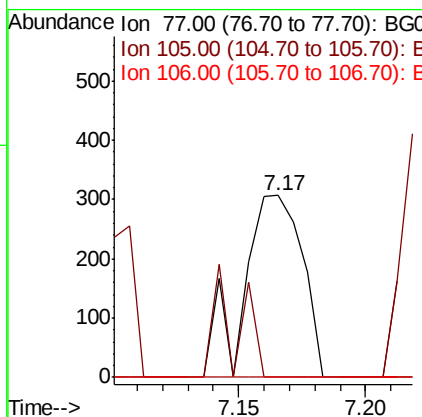
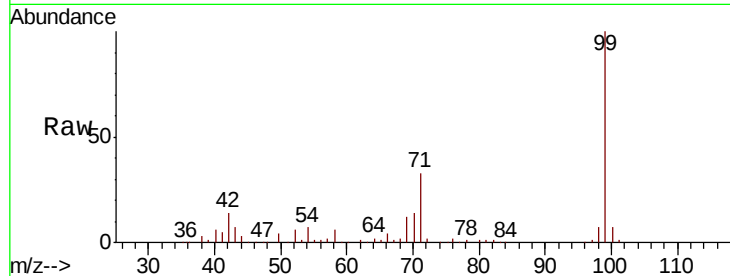




#9
Benzaldehyde
Concen: 0.217 ng
RT: 7.17 min Scan# 694
Delta R.T. 0.03 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

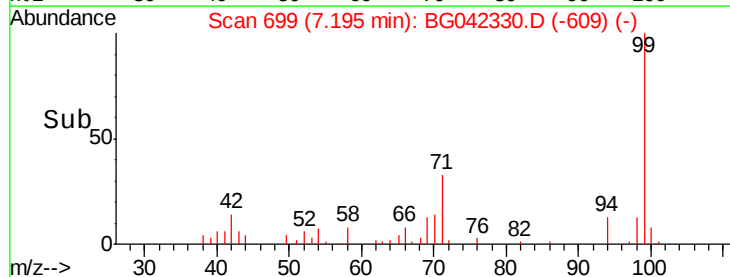
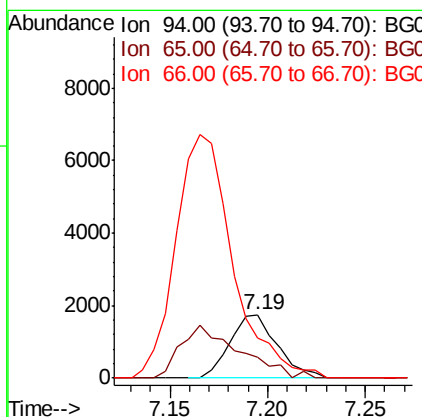
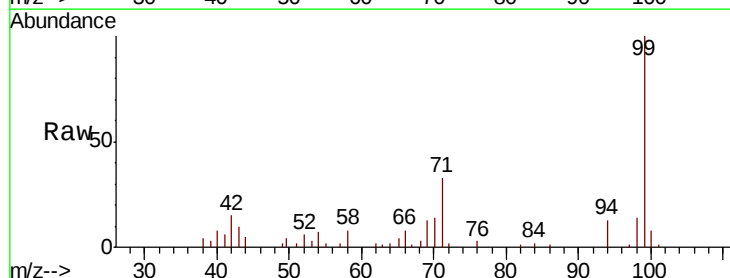
Instrument :
BNA_G
ClientSampled :

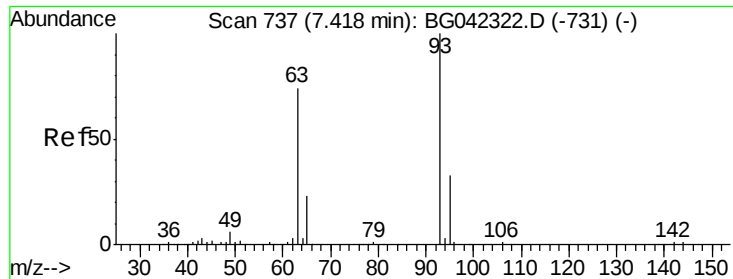
Tot Ion: 77 Resp: 499
Ion Ratio Lower Upper
77 100
105 0.0 89.8 129.8#
106 0.0 85.1 125.1#



#10
Phenol
Concen: 0.704 ng
RT: 7.19 min Scan# 699
Delta R.T. 0.00 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion: 94 Resp: 2924
Ion Ratio Lower Upper
94 100
65 33.9 6.1 46.1
66 63.9 15.7 55.7#

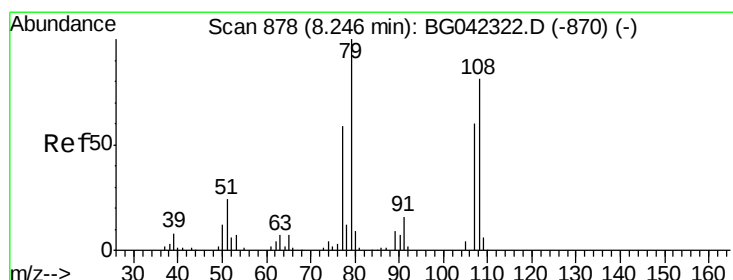
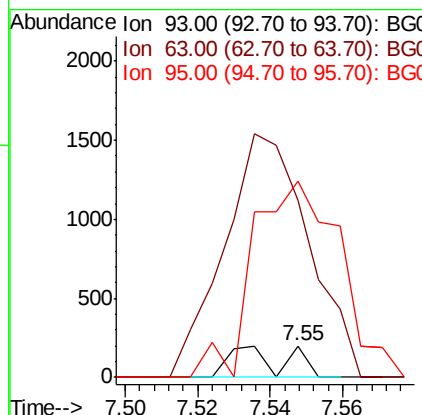
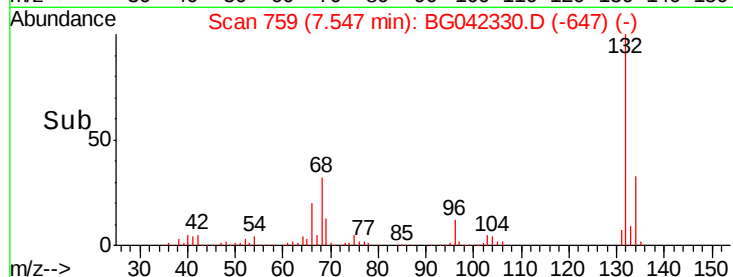
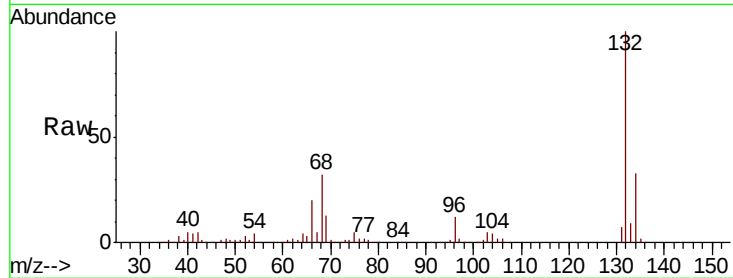




#11
bis(2-Chloroethyl)ether
Concen: 0.062 ng
RT: 7.55 min Scan# 759
Delta R.T. 0.13 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

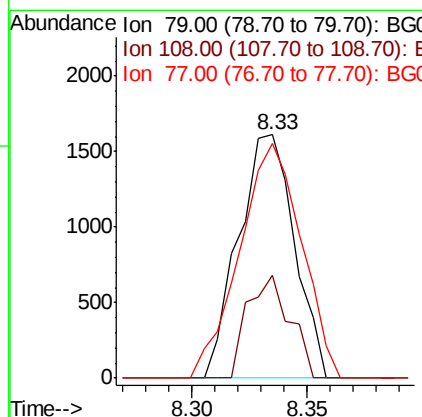
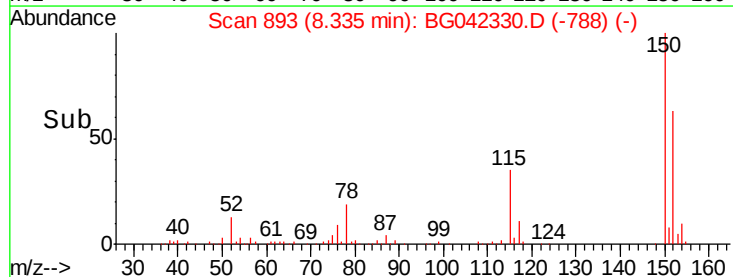
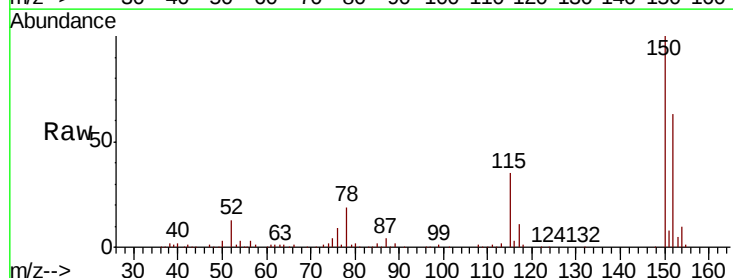
Instrument :
BNA_G
ClientSampleId :

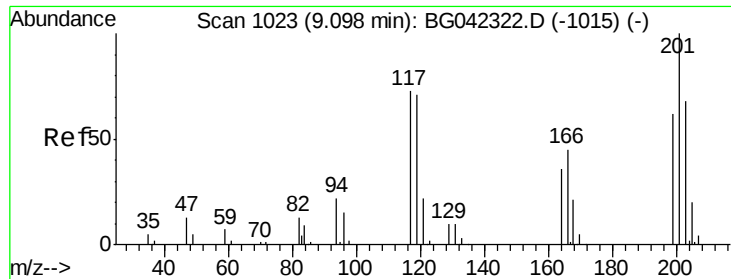
Tot Ion: 93 Resp: 202
Ion Ratio Lower Upper
93 100
63 562.0 53.0 93.0#
95 622.0 13.0 53.0#



#15
Benzyl Alcohol
Concen: 0.966 ng
RT: 8.33 min Scan# 893
Delta R.T. 0.09 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion: 79 Resp: 2714
Ion Ratio Lower Upper
79 100
108 42.0 64.8 97.2#
77 96.5 47.6 71.4#

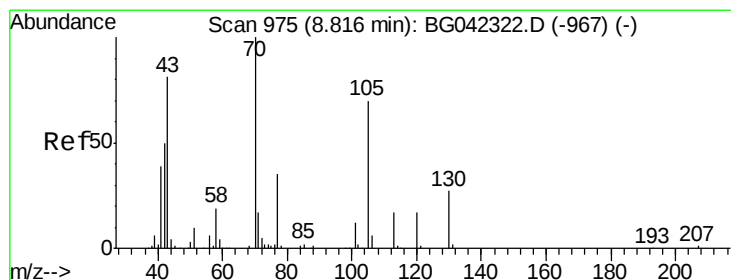
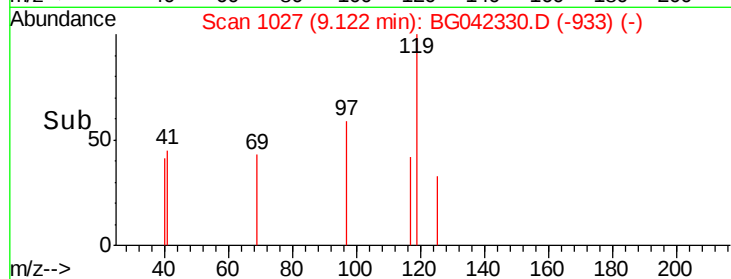
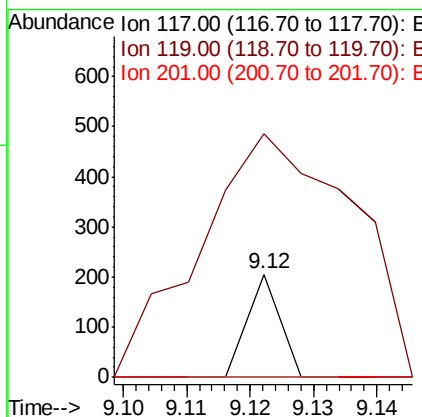
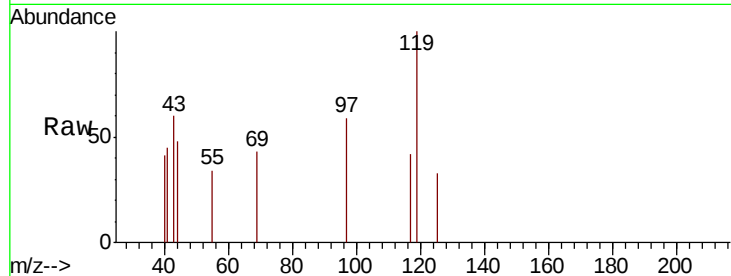




#18
Hexachloroethane
Concen: 0.045 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.02 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

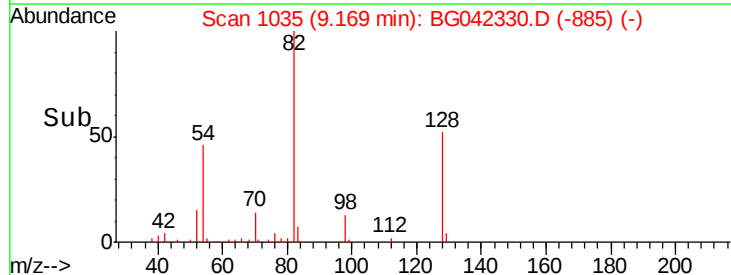
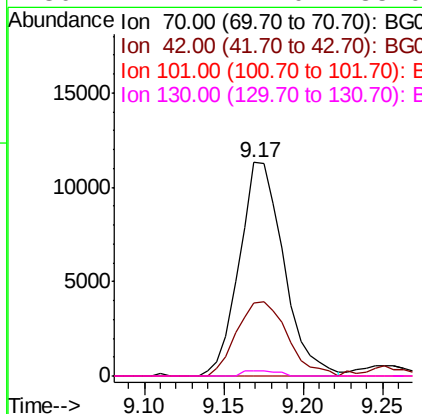
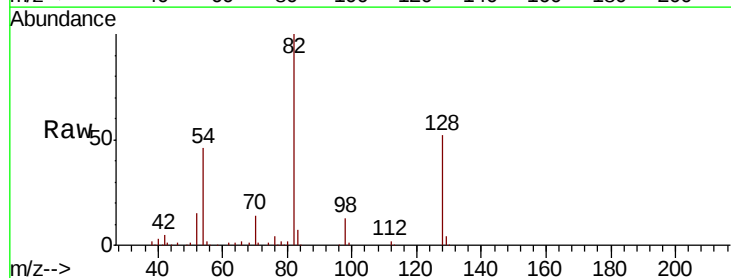
Instrument :
BNA_G
ClientSampled :

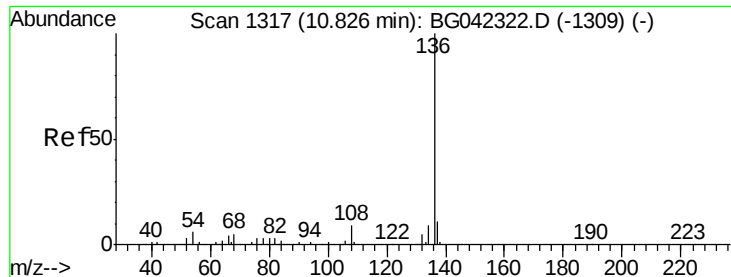
Tot Ion:117 Resp: 72
Ion Ratio Lower Upper
117 100
119 237.1 77.6 116.4#
201 0.0 109.4 164.2#



#19
n-Nitroso-di-n-propylamine
Concen: 8.399 ng
RT: 9.17 min Scan# 1035
Delta R.T. 0.35 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion: 70 Resp: 22065
Ion Ratio Lower Upper
70 100
42 34.1 40.5 60.7#
101 0.0 9.3 13.9#
130 2.4 22.0 33.0#

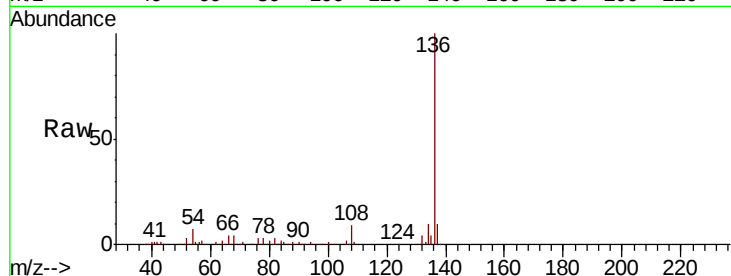




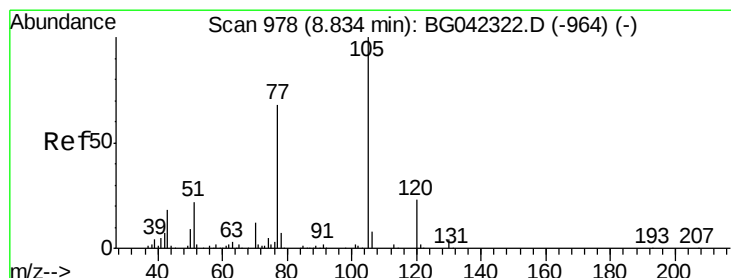
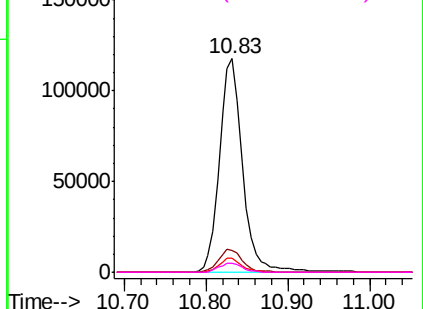
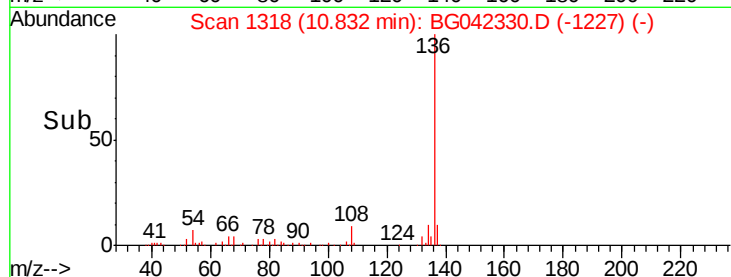
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	231370
Ion Ratio	Lower	Upper
136 100		
137 10.1	8.4	12.6
54 6.6	5.0	7.4
68 4.4	3.8	5.8

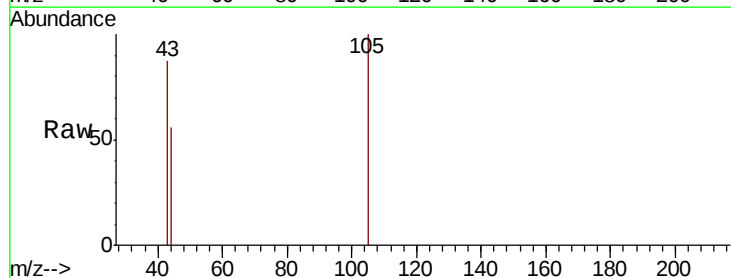


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

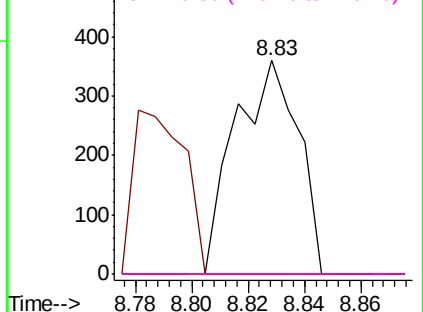
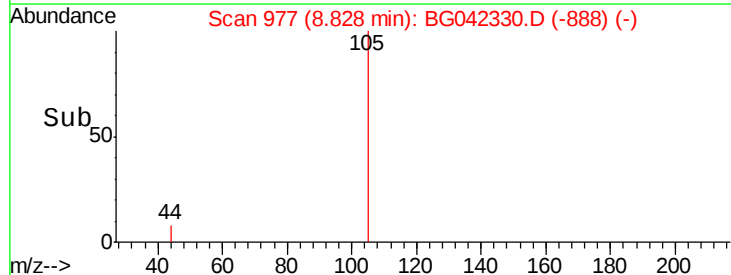


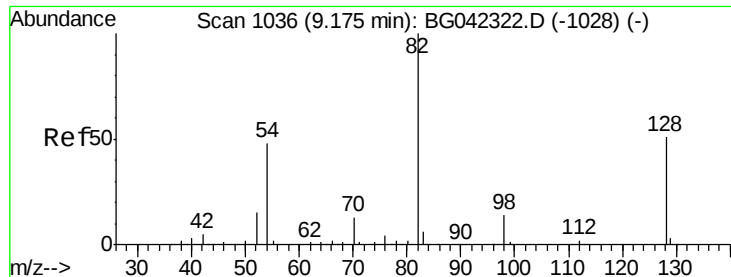
#22
Acetophenone
Concen: 0.113 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt	Ion:105	Resp:	557
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.8	2.8#
51	0.0	17.5	26.3#
120	0.0	18.4	27.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

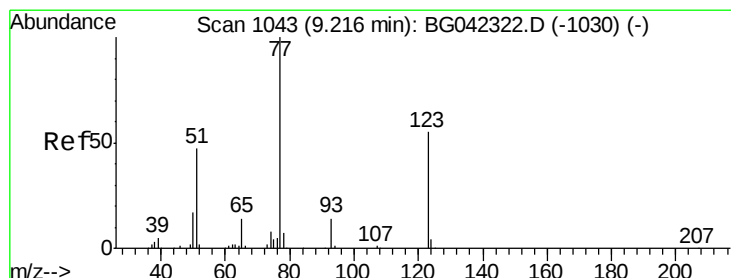
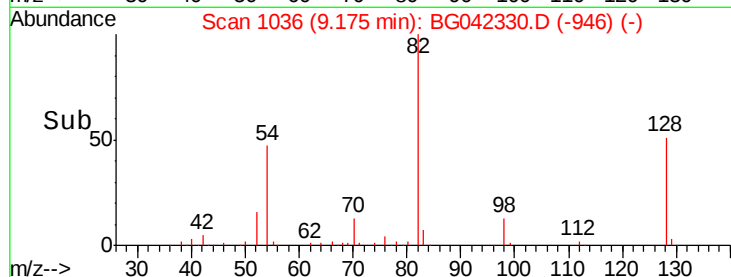
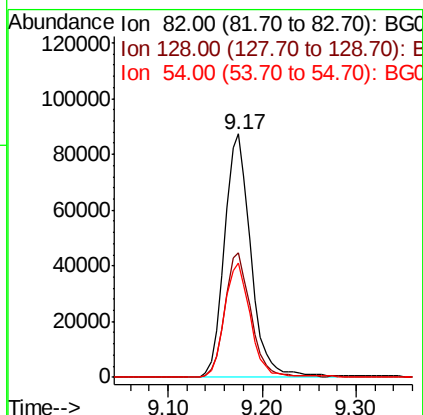
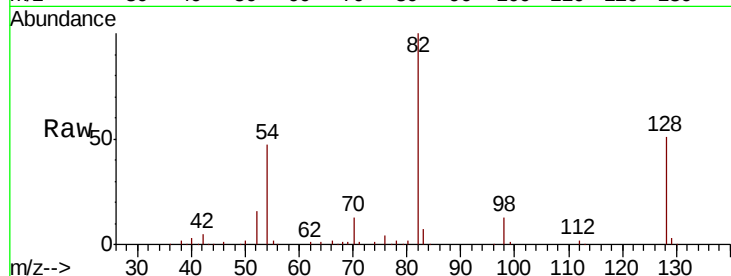




#23
 Nitrobenzene-d5
 Concen: 51.998 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

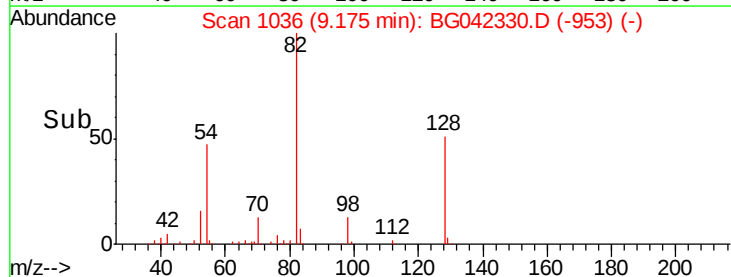
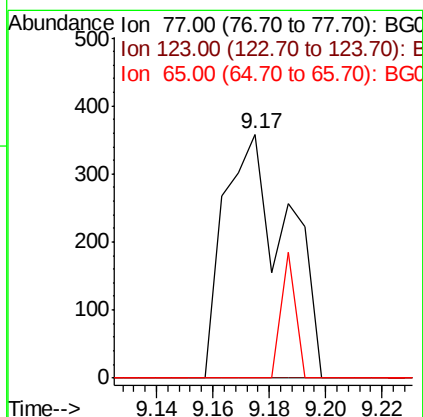
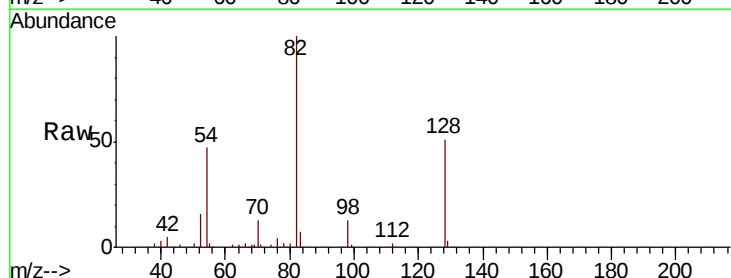
Instrument :
 BNA_G
 ClientSampled :

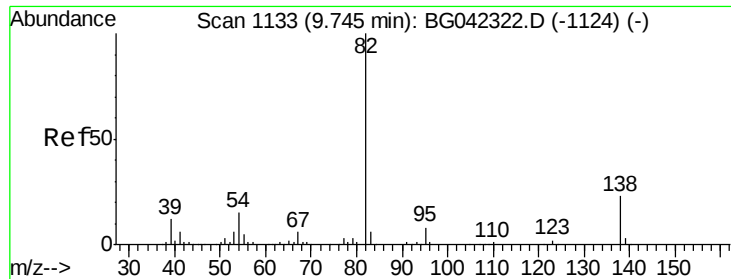
Tot Ion: 82 Resp: 171056
 Ion Ratio Lower Upper
 82 100
 128 51.3 41.0 61.4
 54 47.1 38.0 57.0



#24
 Nitrobenzene
 Concen: 0.164 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.04 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Tgt Ion: 77 Resp: 550
 Ion Ratio Lower Upper
 77 100
 123 0.0 43.7 65.5#
 65 0.0 10.9 16.3#





#25

Isophorone

Concen: 0.027 ng

RT: 9.74 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampled :

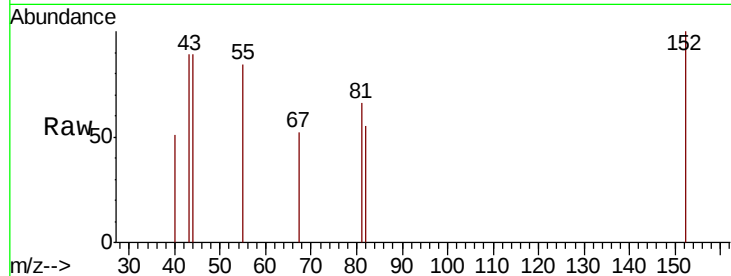
Tot Ion: 82 Resp: 179

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 18.2 27.2#

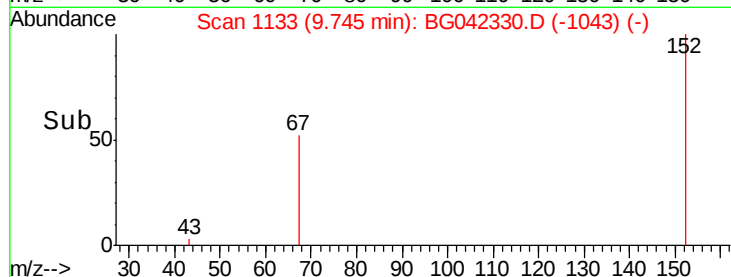


Abundance Ion 82.00 (81.70 to 82.70): BG042330.D (-1043) (-)

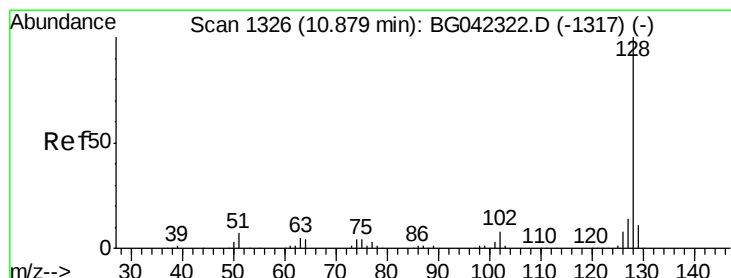
Ion 95.00 (94.70 to 95.70): BG042330.D (-1043) (-)

Ion 138.00 (137.70 to 138.70): BG042330.D (-1043) (-)

Time-->



Time-->



#31

Naphthalene

Concen: 0.086 ng

RT: 10.88 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

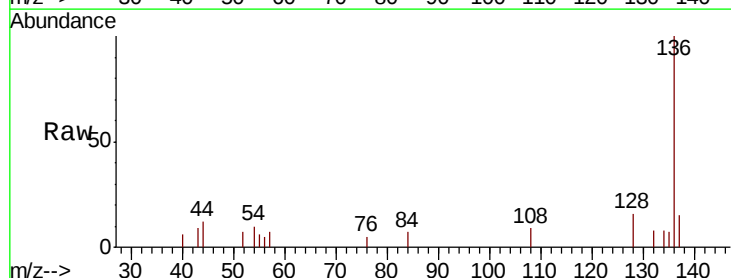
Tgt Ion: 128 Resp: 921

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.8 16.2#

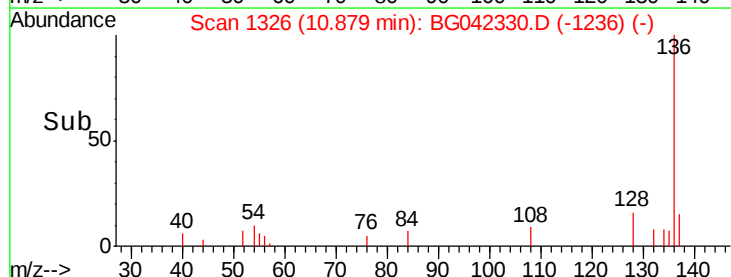


Abundance Ion 128.00 (127.70 to 128.70): BG042330.D (-1236) (-)

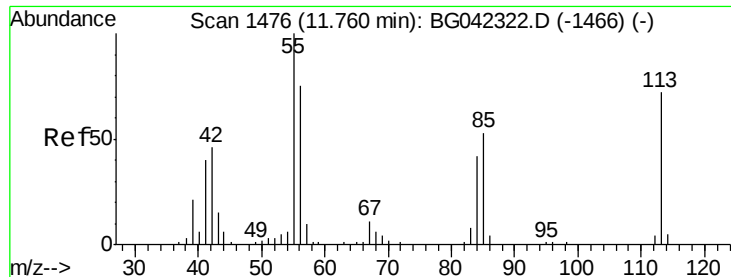
Ion 129.00 (128.70 to 129.70): BG042330.D (-1236) (-)

Ion 127.00 (126.70 to 127.70): BG042330.D (-1236) (-)

Time-->



Time-->



#35

Caprolactam

Concen: 0.052 ng

RT: 12.26 min Scan# 1561

Delta R.T. 0.50 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

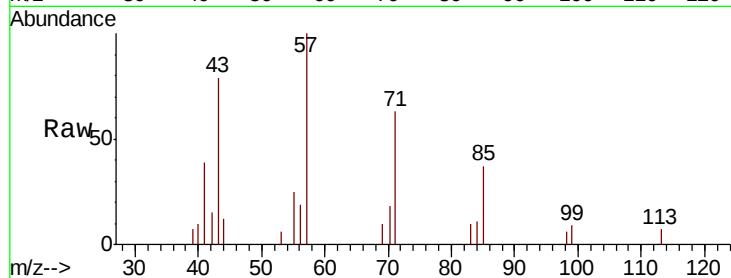
Tot Ion:113 Resp: 64

Ion Ratio Lower Upper

113 100

55 357.4 119.4 159.4#

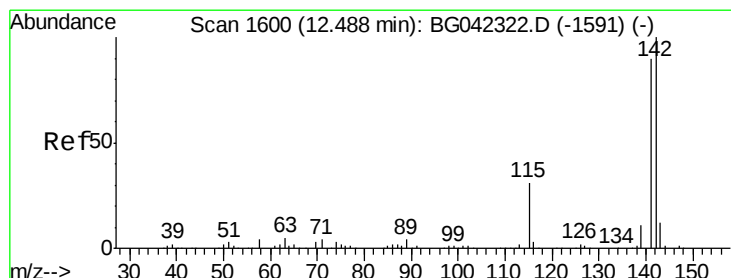
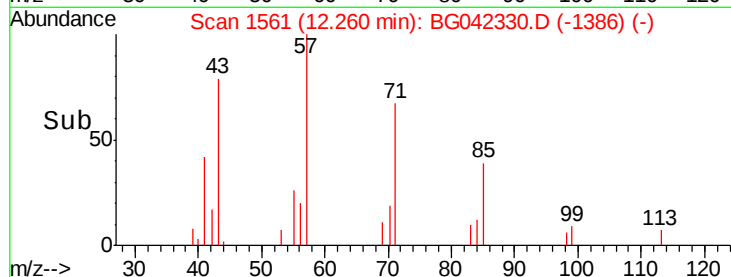
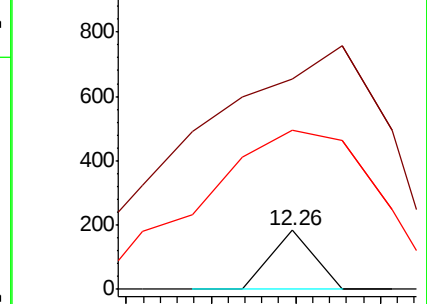
56 270.5 83.9 123.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#37

2-Methylnaphthalene

Concen: 0.054 ng

RT: 12.51 min Scan# 1604

Delta R.T. 0.02 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

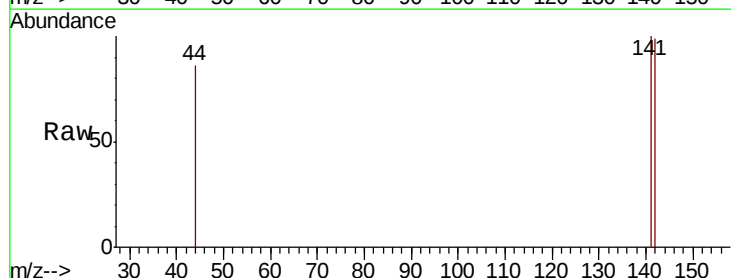
Tgt Ion:142 Resp: 463

Ion Ratio Lower Upper

142 100

141 100.8 72.1 108.1

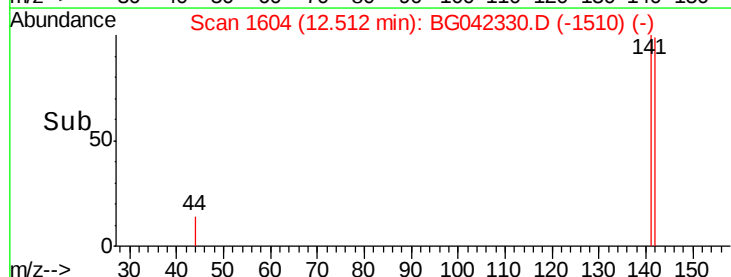
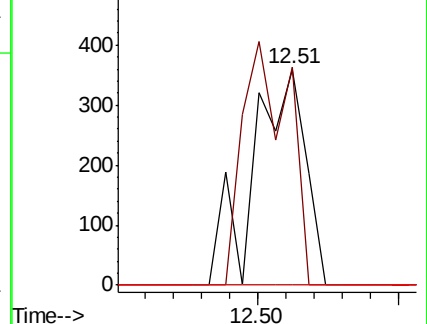
115 0.0 24.4 36.6#

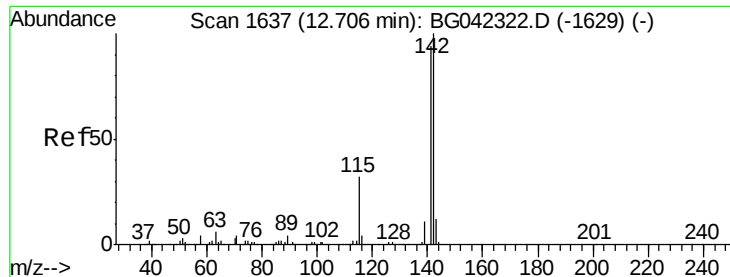


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

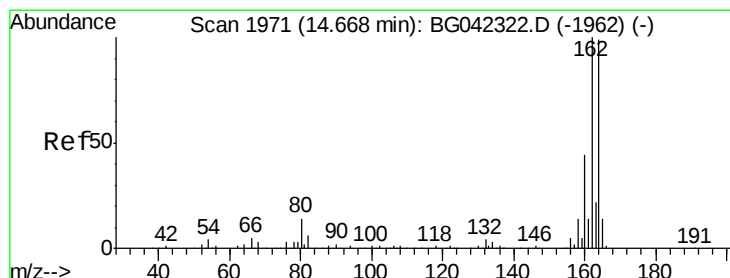
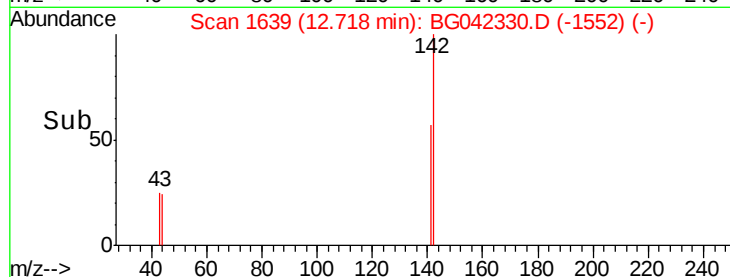
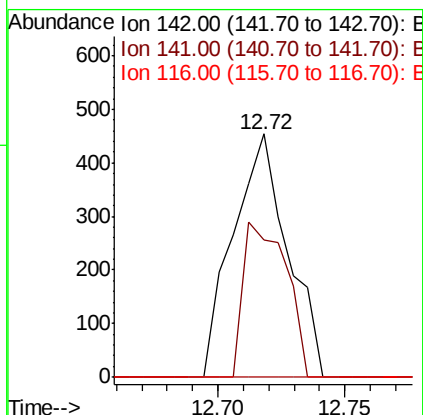
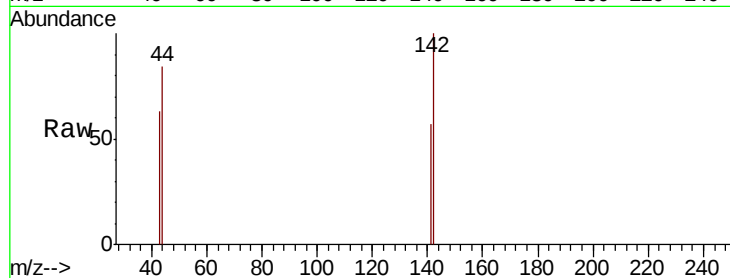




#38
1-Methylnaphthalene
Concen: 0.083 ng
RT: 12.72 min Scan# 1639
Delta R.T. 0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

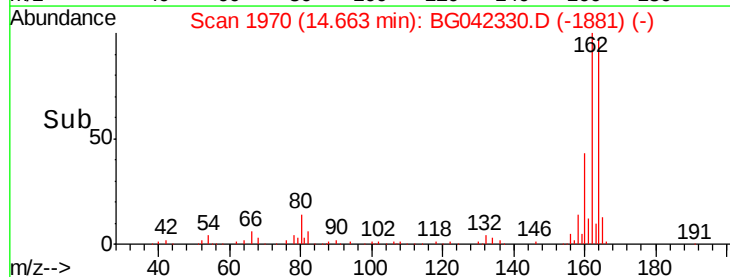
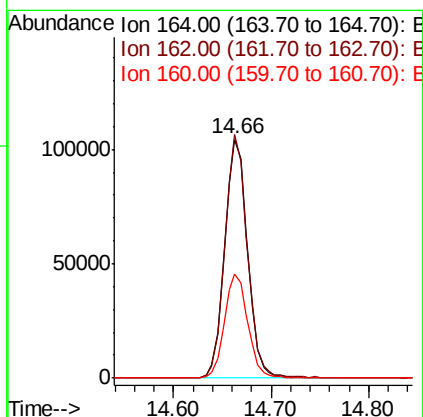
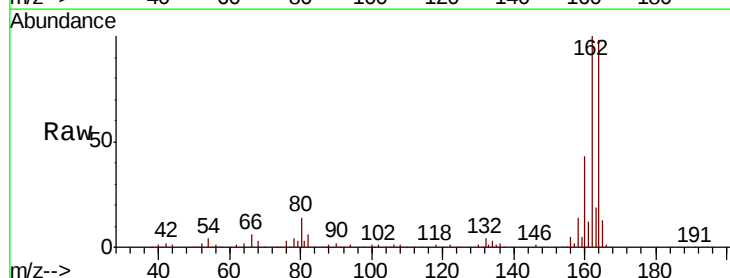
Instrument :
BNA_G
ClientSampleId :

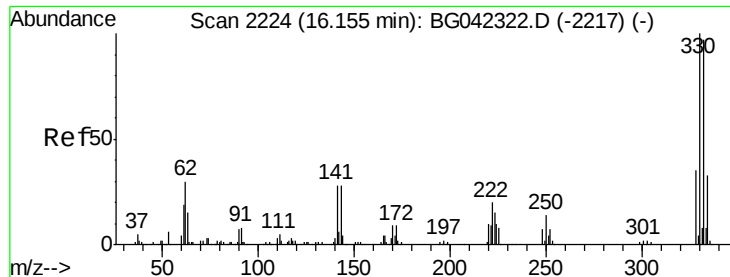
Tot Ion:142 Resp: 681
Ion Ratio Lower Upper
142 100
141 56.6 75.1 112.7#
116 0.0 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion:164 Resp: 169673
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 43.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 72.774 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

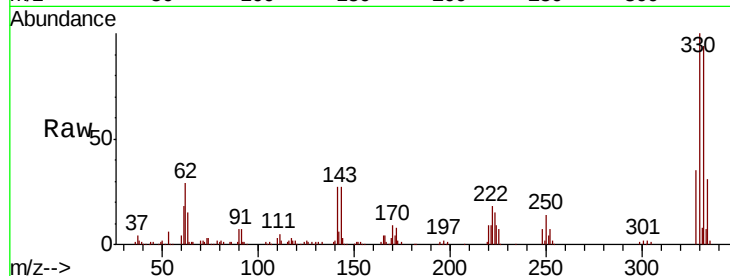
Tot Ion:330 Resp: 168174

Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

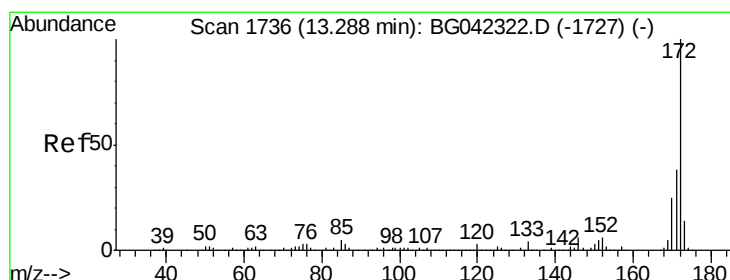
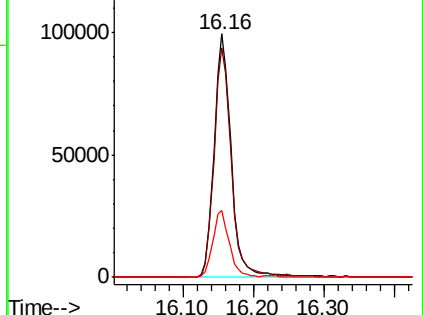
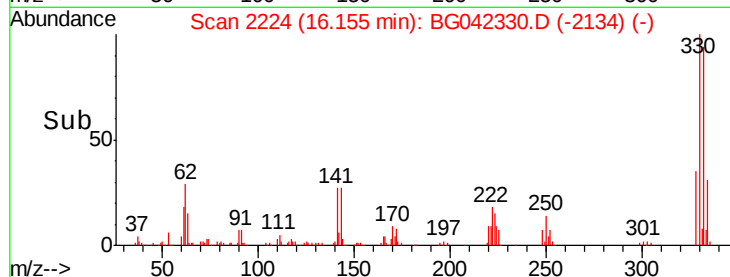
141 27.2 21.8 32.6



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: 49.015 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.01 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

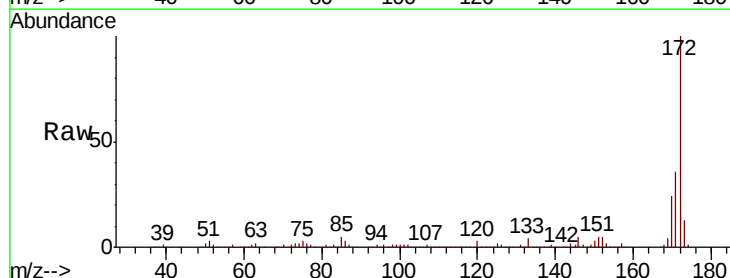
Tgt Ion:172 Resp: 491470

Ion Ratio Lower Upper

172 100

171 36.0 30.3 45.5

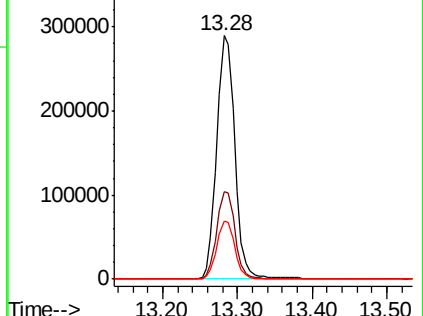
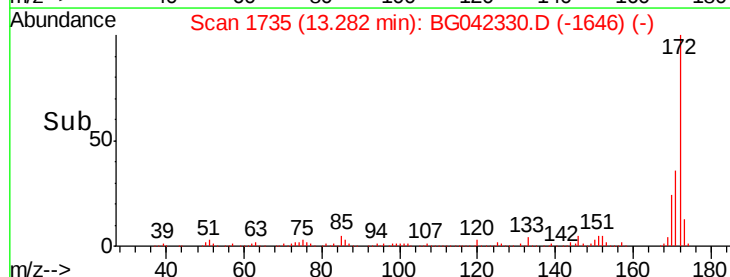
170 23.6 20.0 30.0

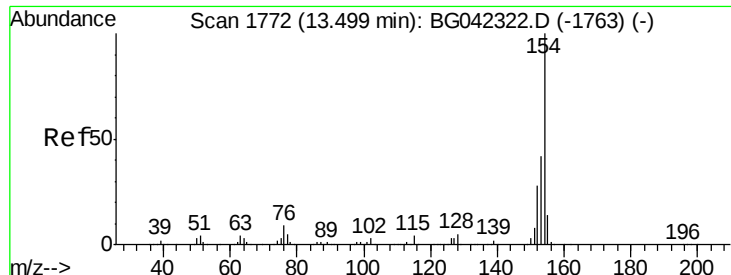


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

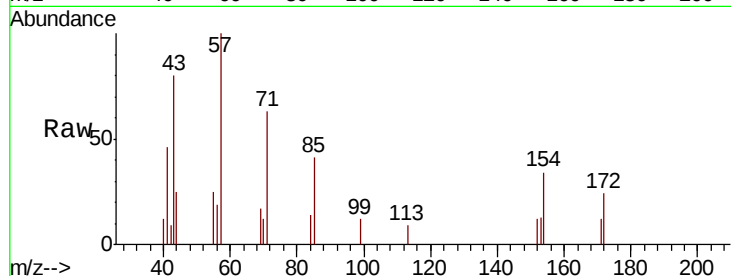




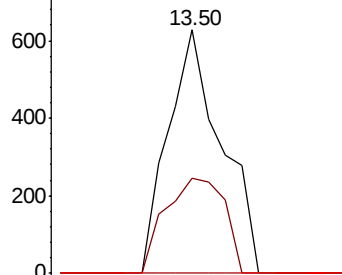
#46
 1,1'-Biphenyl
 Concen: 0.074 ng
 RT: 13.50 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Instrument :
 BNA_G
 ClientSampleId :

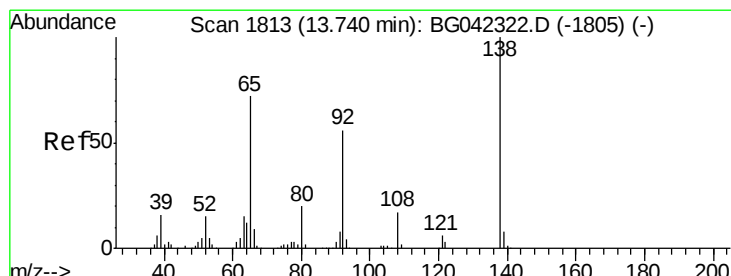
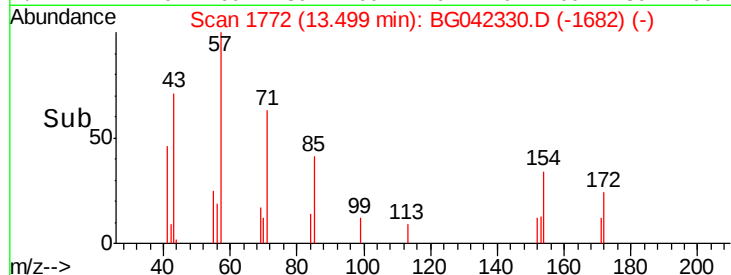
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.9	61.9
76	0.0	0.0	29.3



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

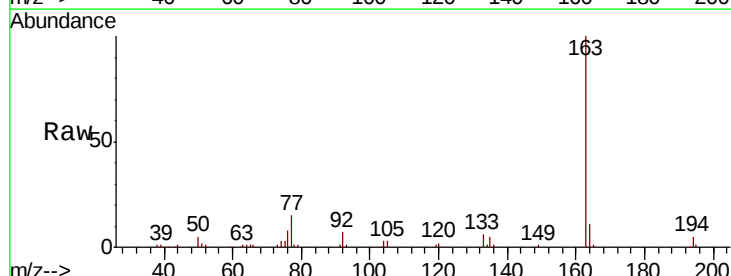


Time--> 13.45 13.50

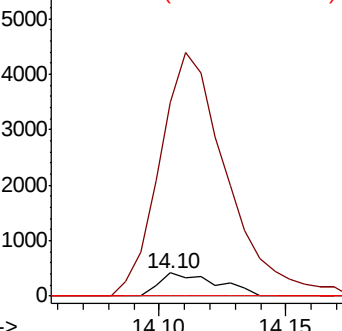


#48
 2-Nitroaniline
 Concen: 0.294 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. 0.36 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

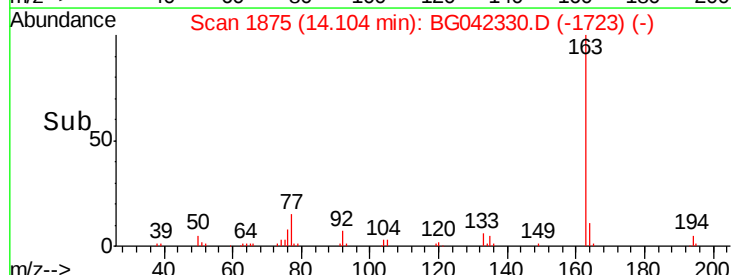
Tgt Ion	Ratio	Lower	Upper
65	100		
92	843.6	62.6	94.0#
138	0.0	111.5	167.3#

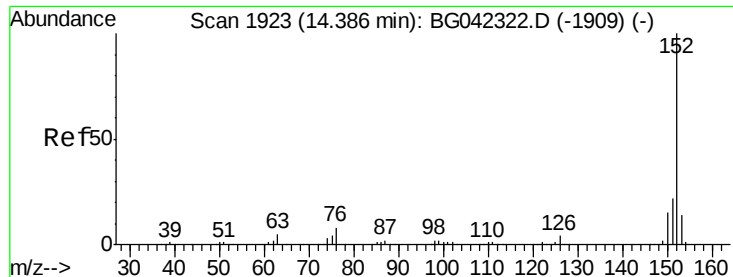


Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E



Time--> 14.10 14.15





#49

Acenaphthylene

Concen: 0.020 ng

RT: 14.40 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

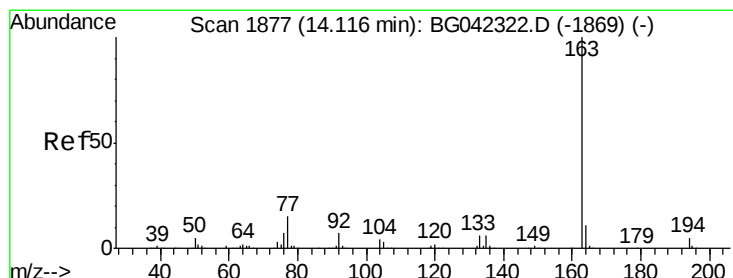
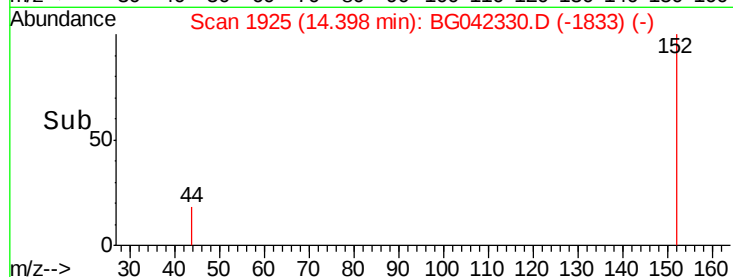
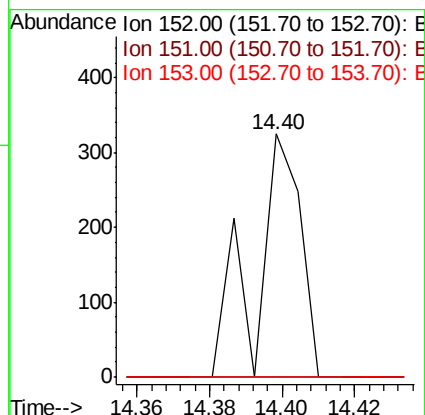
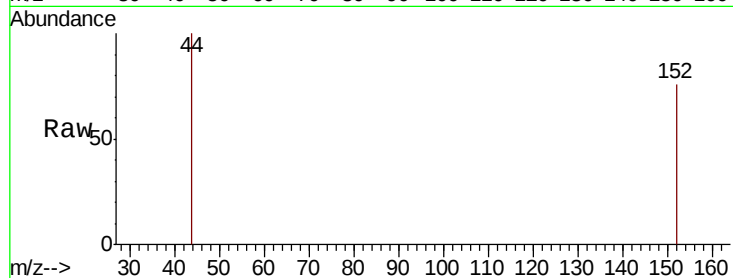
Tot Ion:152 Resp: 277

Ion Ratio Lower Upper

152 100

151 0.0 17.3 25.9#

153 0.0 11.5 17.3#



#50

Dimethylphthalate

Concen: 9.738 ng

RT: 14.12 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

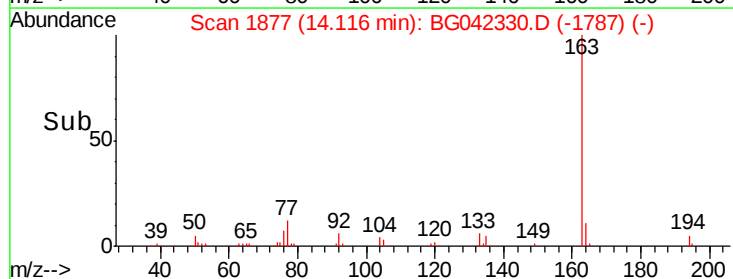
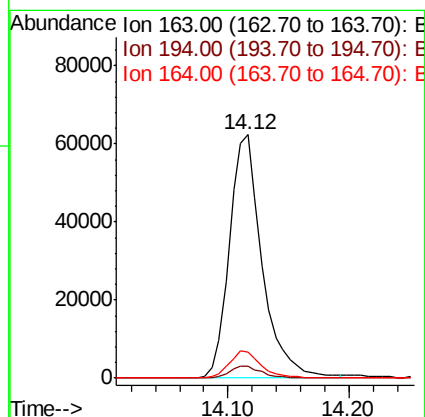
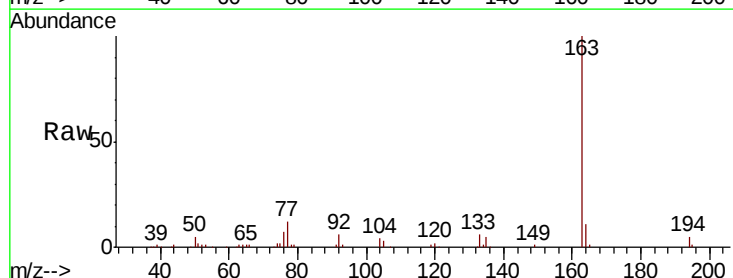
Tgt Ion:163 Resp: 117412

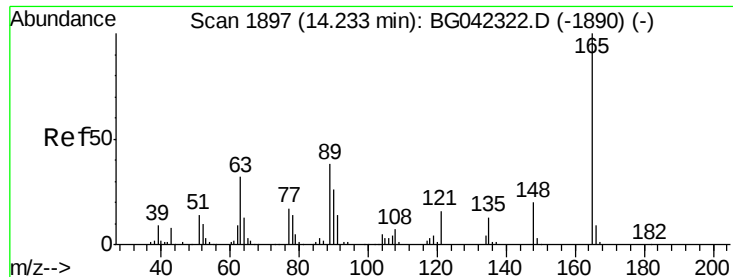
Ion Ratio Lower Upper

163 100

194 5.0 4.2 6.2

164 10.8 8.8 13.2

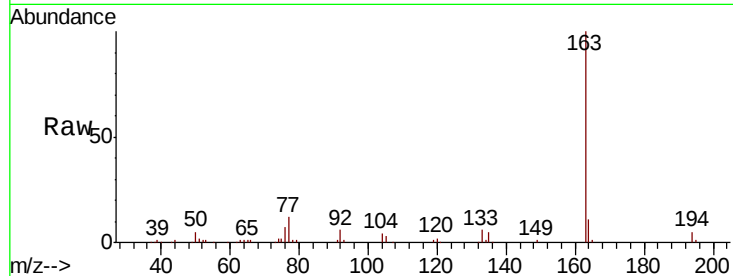




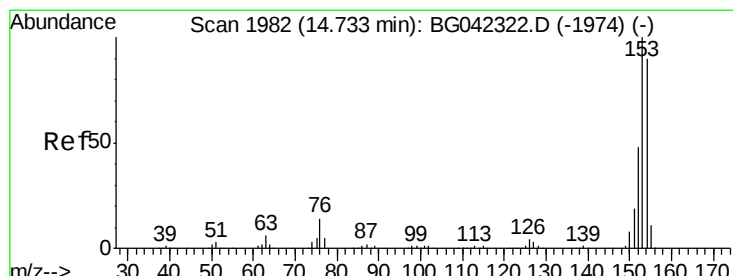
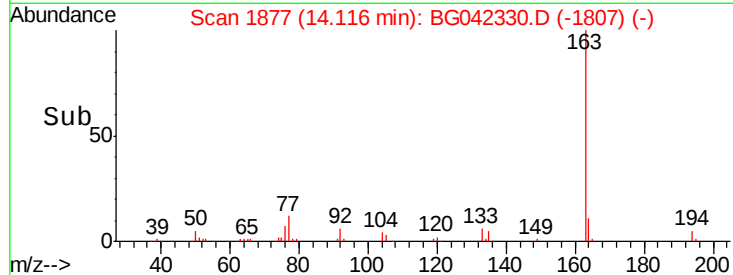
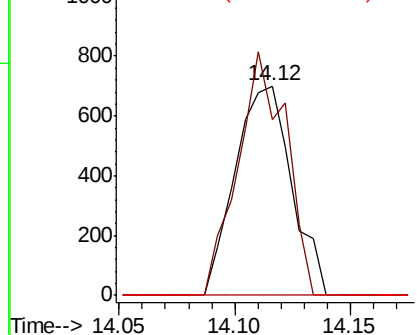
#51
 2,6-Dinitrotoluene
 Concen: 0.422 ng
 RT: 14.12 min Scan# 1877
 Delta R.T. -0.12 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 1192
 Ion Ratio Lower Upper
 165 100
 63 83.9 28.2 42.2#
 89 0.0 30.0 45.0#

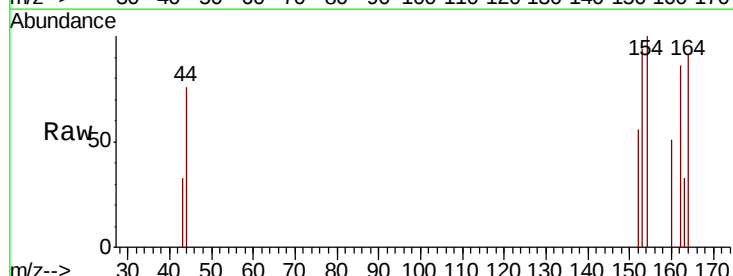


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG

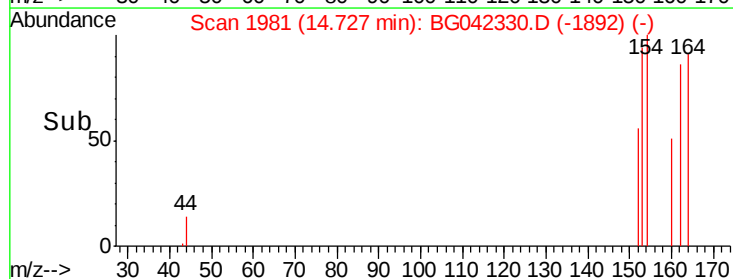
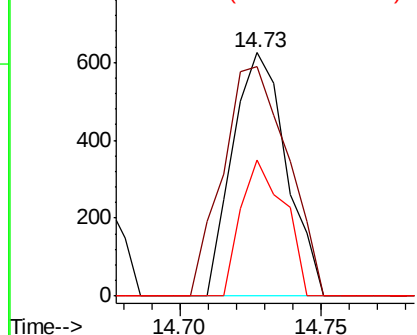


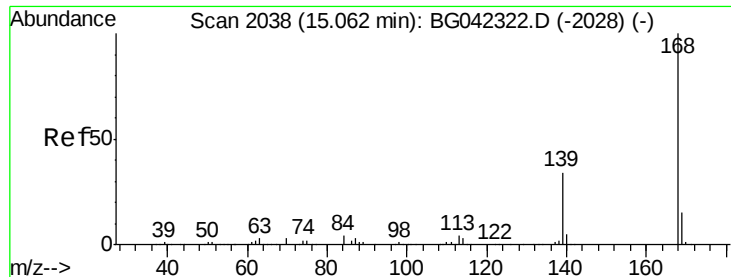
#52
 Acenaphthene
 Concen: 0.095 ng
 RT: 14.73 min Scan# 1981
 Delta R.T. -0.01 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Tgt Ion:154 Resp: 825
 Ion Ratio Lower Upper
 154 100
 153 94.2 89.4 134.0
 152 55.7 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





#55

Dibenzofuran

Concen: 0.037 ng

RT: 15.08 min Scan# 2041

Delta R.T. 0.02 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

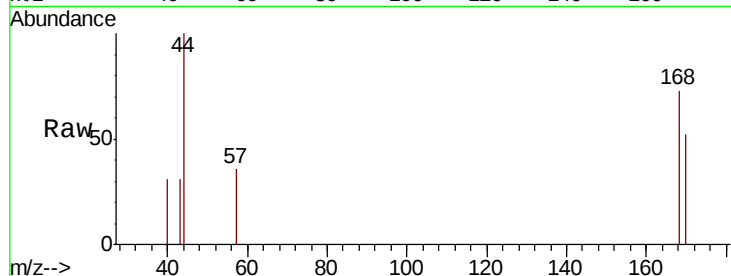
Tot Ion:168 Resp: 523

Ion Ratio Lower Upper

168 100

139 0.0 27.6 41.4#

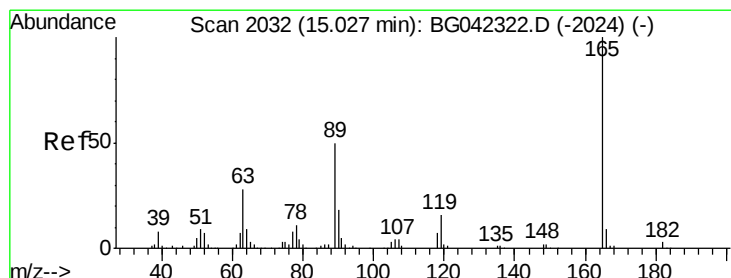
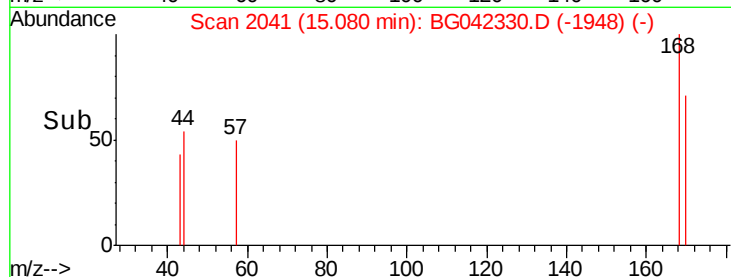
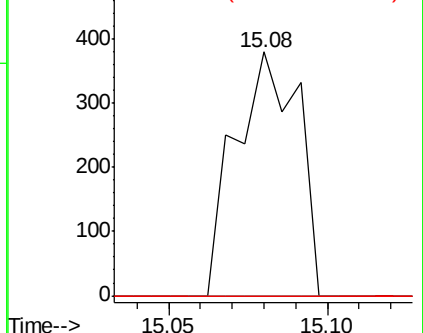
169 0.0 11.7 17.5#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

2,4-Dinitrotoluene

Concen: 5.658 ng

RT: 14.66 min Scan# 1970

Delta R.T. -0.36 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Tgt Ion:165 Resp: 22321

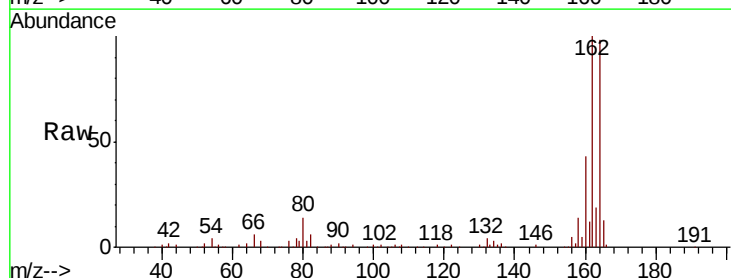
Ion Ratio Lower Upper

165 100

63 0.0 22.4 33.6#

89 0.0 40.2 60.2#

182 0.0 2.6 3.8#

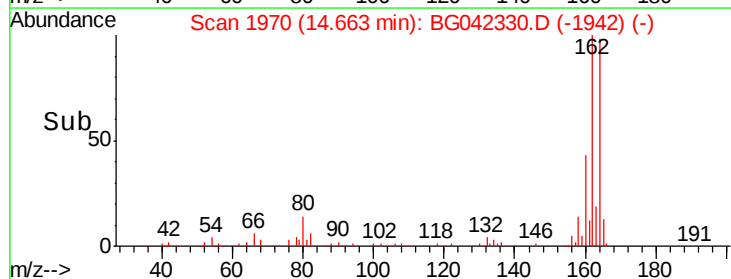
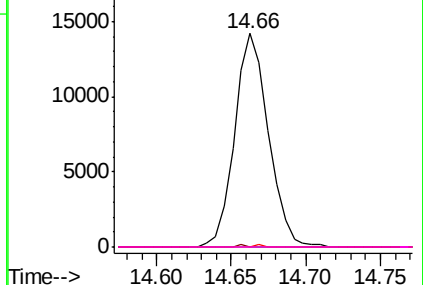


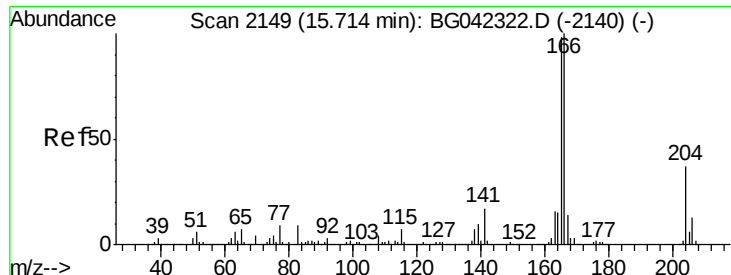
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.073 ng

RT: 15.73 min Scan# 2151

Delta R.T. 0.01 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampled :

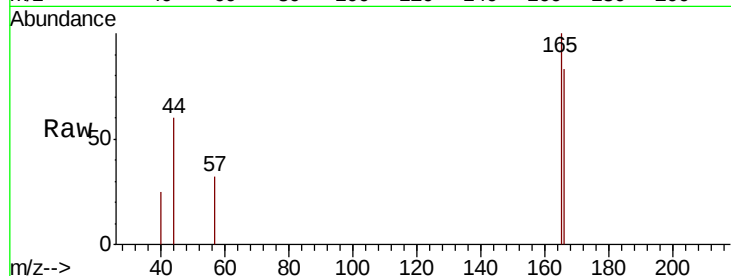
Tot Ion:166 Resp: 840

Ion Ratio Lower Upper

166 100

165 120.5 78.7 118.1#

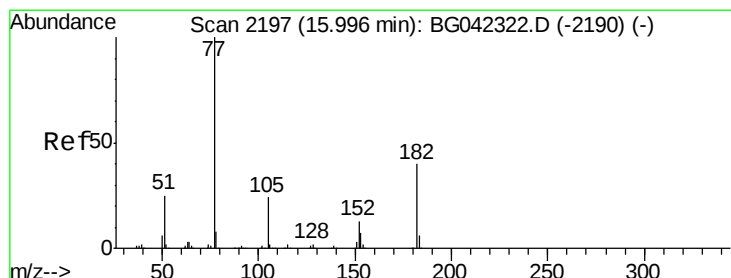
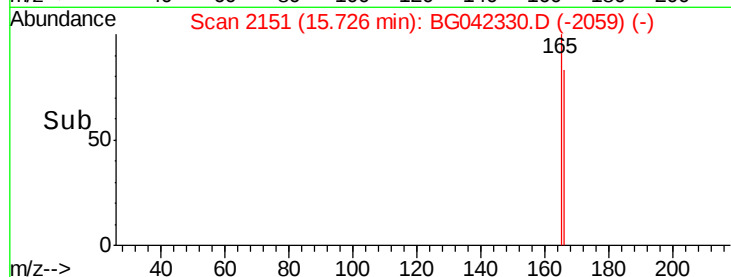
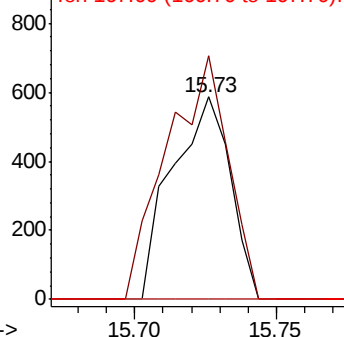
167 0.0 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Azobenzene

Concen: 0.066 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.16 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Tgt Ion: 77 Resp: 533

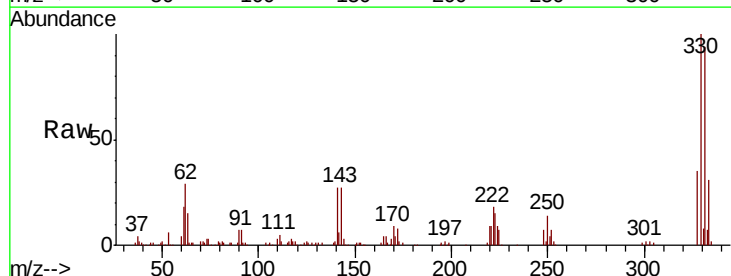
Ion Ratio Lower Upper

77 100

182 117.4 19.7 59.7#

105 137.1 3.5 43.5#

51 60.2 5.4 45.4#

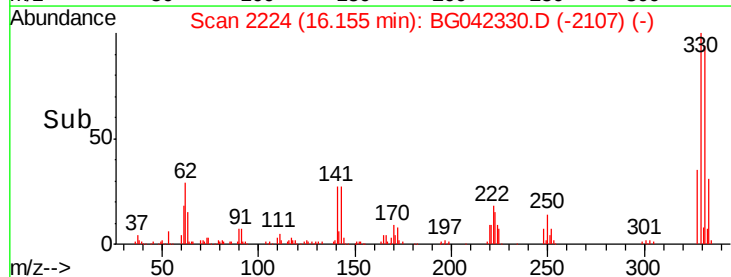
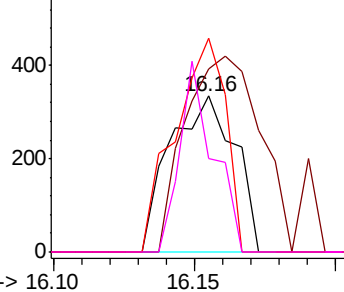


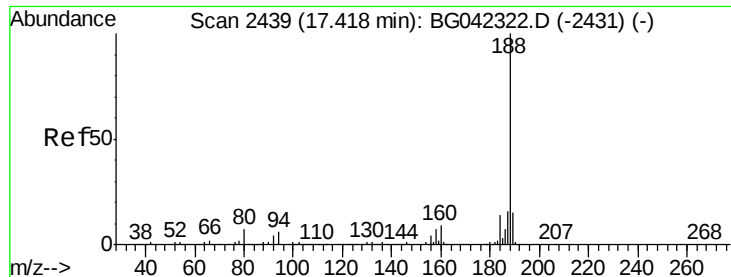
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

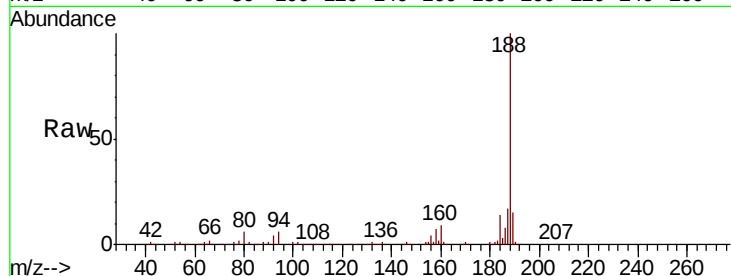
Tot Ion:188 Resp: 382675

Ion Ratio Lower Upper

188 100

94 5.6 4.9 7.3

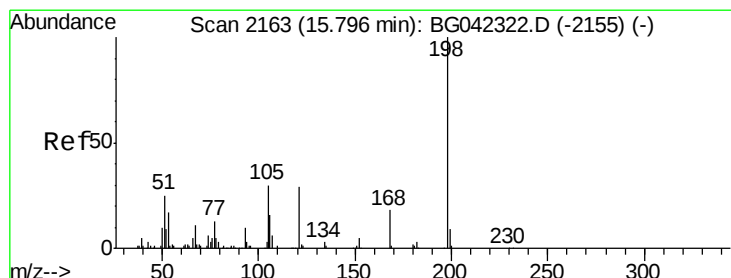
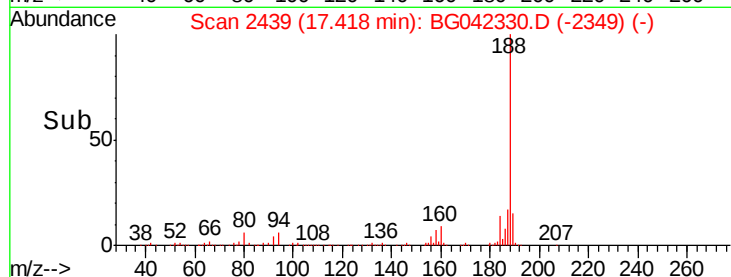
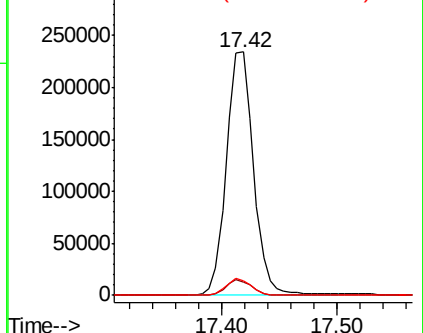
80 6.1 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

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: 0.068 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.36 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

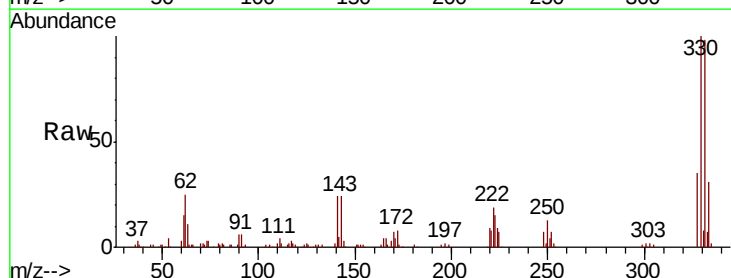
Tgt Ion:198 Resp: 158

Ion Ratio Lower Upper

198 100

51 85.4 6.4 46.4#

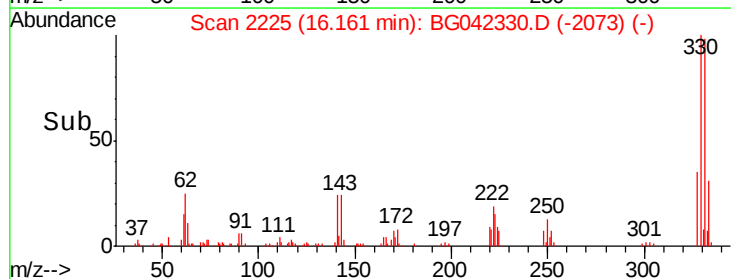
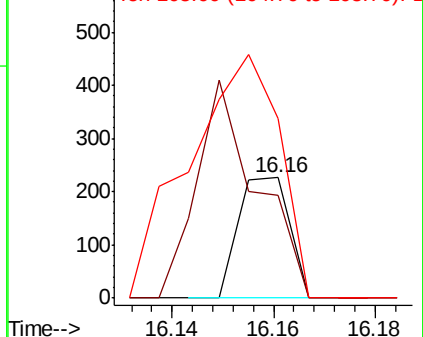
105 149.1 10.0 50.0#

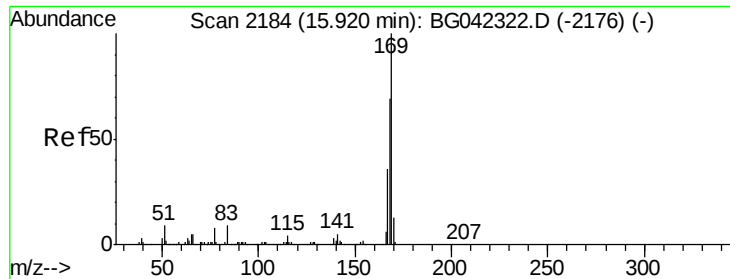


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

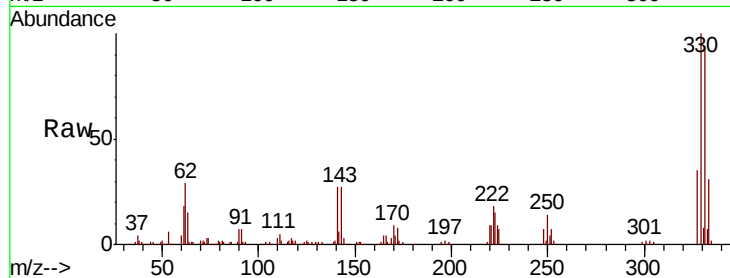




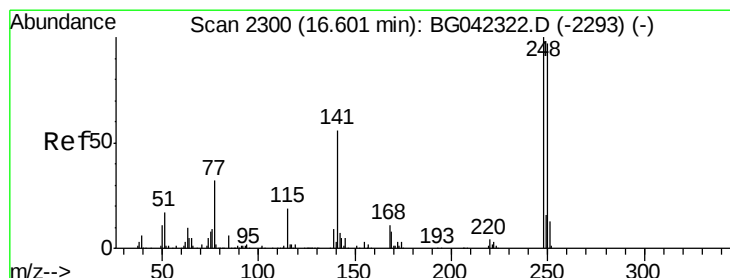
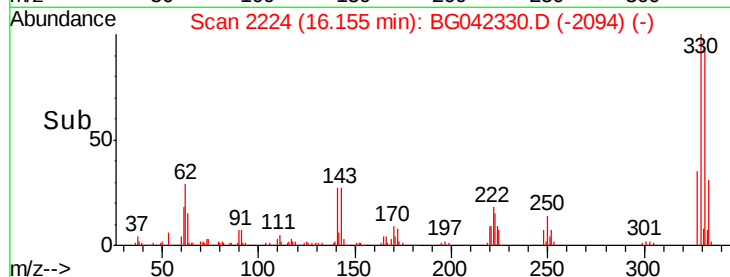
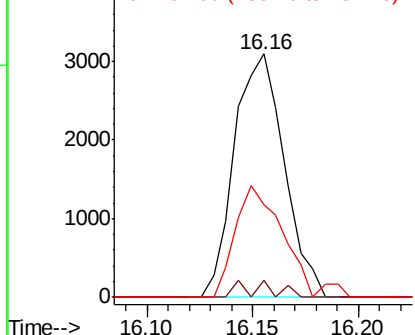
#66
 n-Nitrosodiphenylamine
 Concen: 0.471 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. 0.24 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 5045
 Ion Ratio Lower Upper
 169 100
 168 7.2 55.5 83.3#
 167 37.8 28.9 43.3

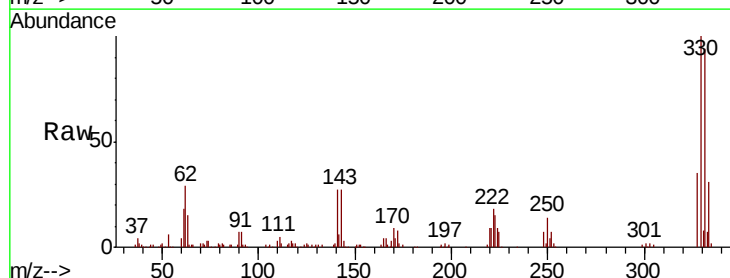


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

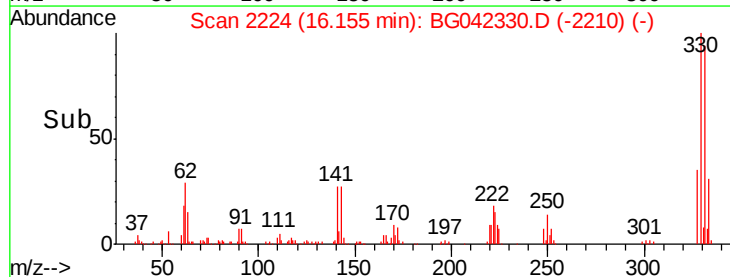
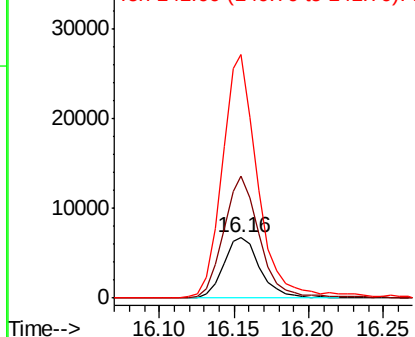


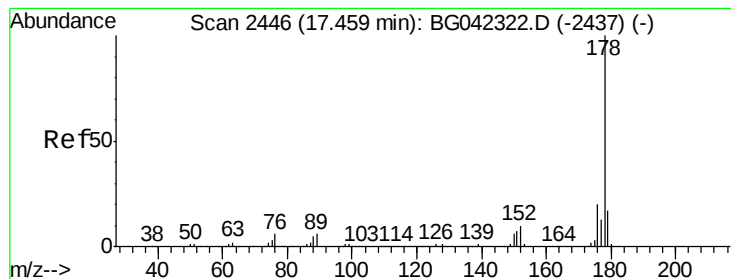
#67
 4-Bromophenyl-phenylether
 Concen: 2.369 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.45 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Tgt Ion:248 Resp: 11537
 Ion Ratio Lower Upper
 248 100
 250 204.0 78.0 117.0#
 141 405.4 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: 1.425 ng

RT: 17.46 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

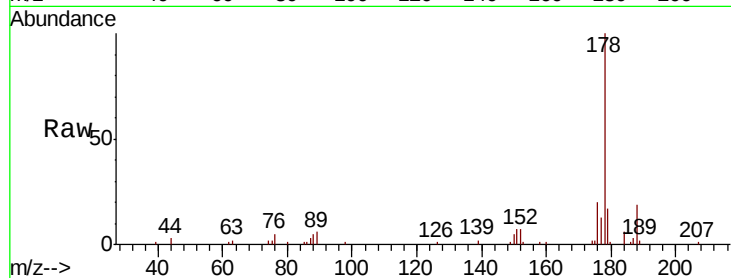
Tot Ion:178 Resp: 27157

Ion Ratio Lower Upper

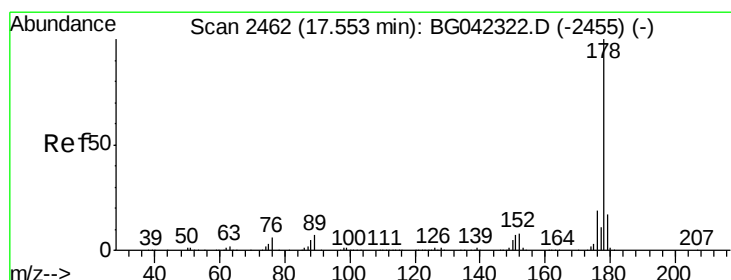
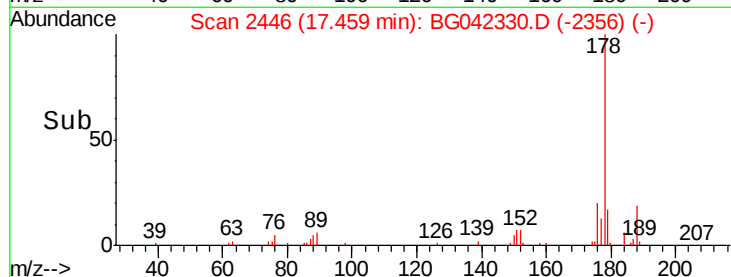
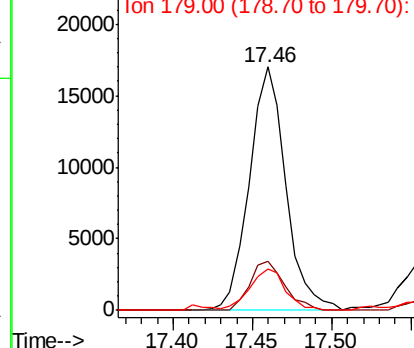
178 100

176 20.2 16.2 24.4

179 16.8 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: 1.429 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.09 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

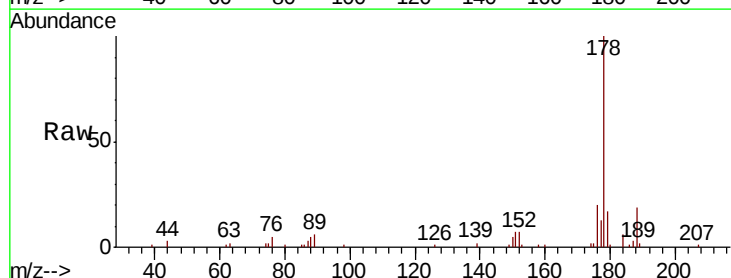
Tgt Ion:178 Resp: 27157

Ion Ratio Lower Upper

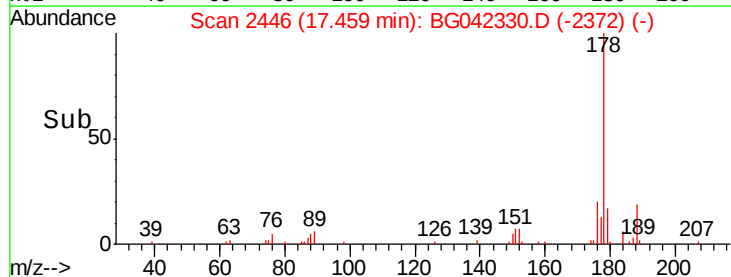
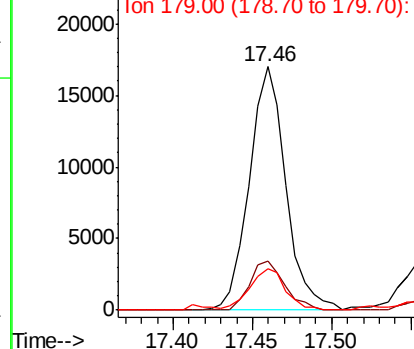
178 100

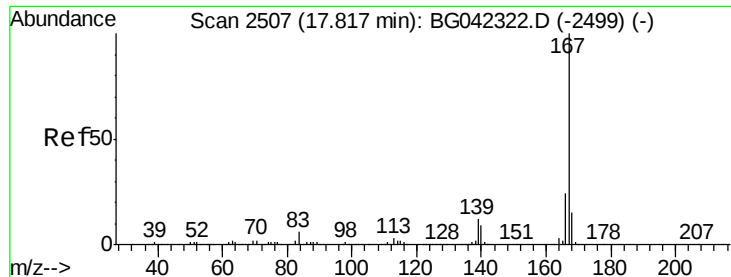
176 20.2 15.5 23.3

179 16.8 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

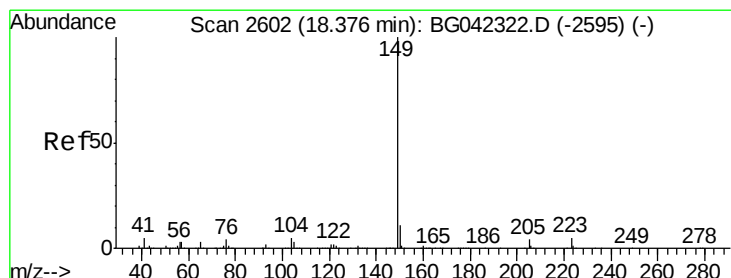
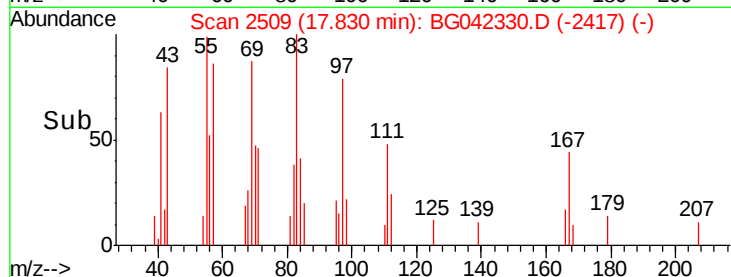
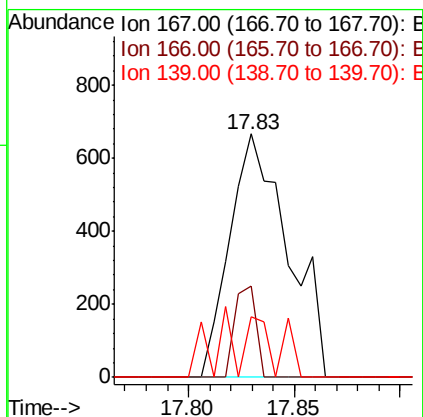
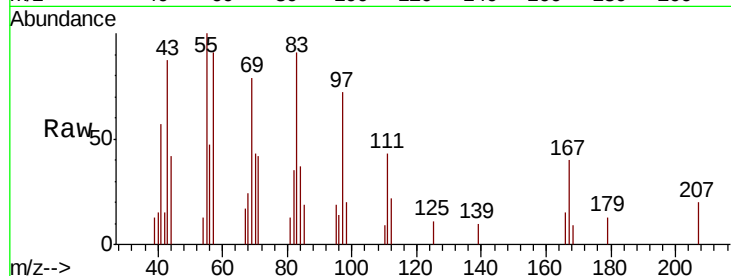




#73
 Carbazole
 Concen: 0.076 ng
 RT: 17.83 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

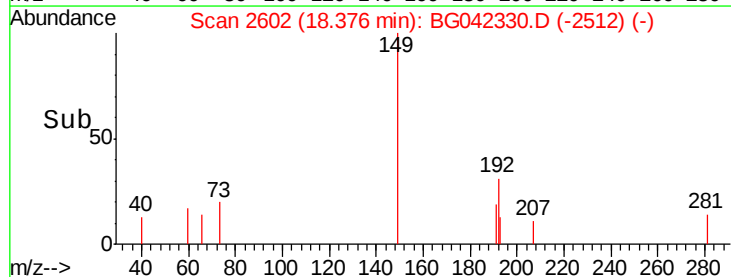
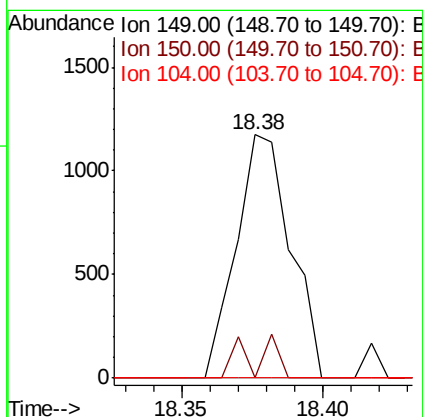
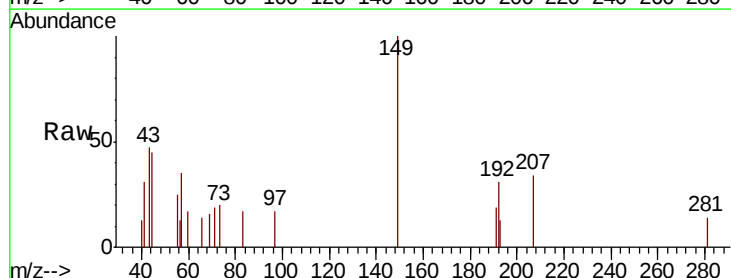
Instrument :
 BNA_G
 ClientSampleId :

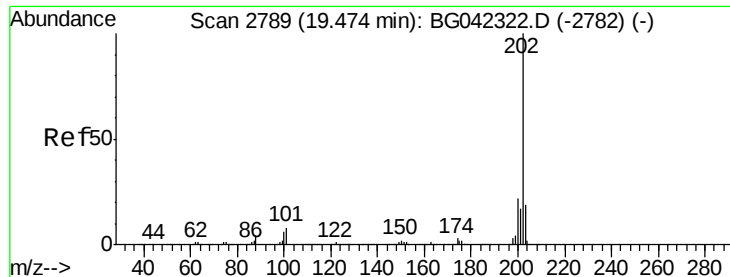
Tot Ion:167 Resp: 1275
 Ion Ratio Lower Upper
 167 100
 166 37.6 19.0 28.6#
 139 25.0 9.7 14.5#



#74
 Di-n-butylphthalate
 Concen: 0.079 ng
 RT: 18.38 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Tgt Ion:149 Resp: 1564
 Ion Ratio Lower Upper
 149 100
 150 0.0 8.4 12.6#
 104 0.0 3.7 5.5#





#75

Fluoranthene

Concen: 2.265 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

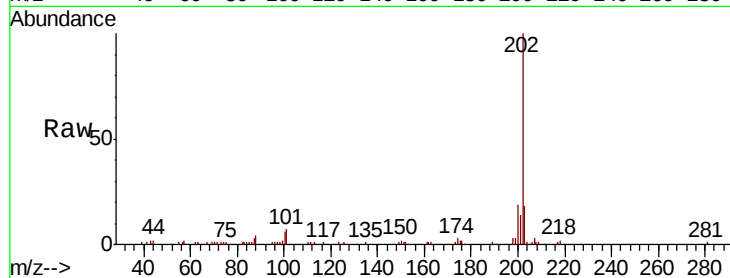
Tot Ion:202 Resp: 52049

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.0

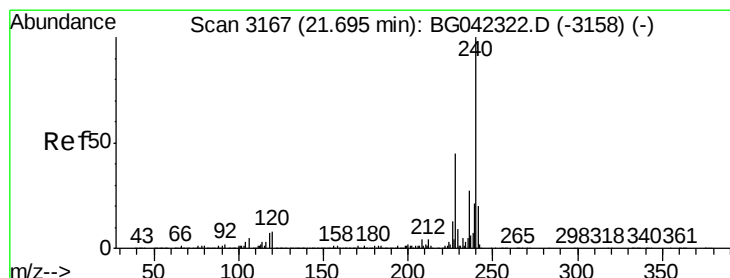
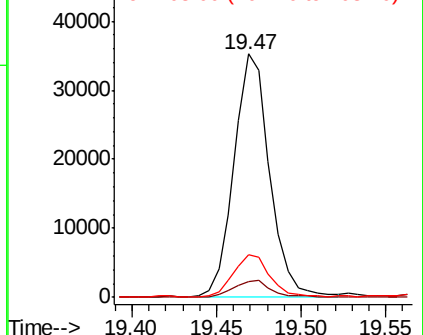
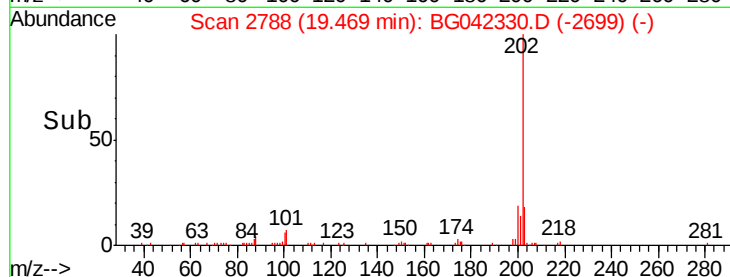
203 17.7 0.0 39.1



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: BG042330.D

Acq: 19 Aug 2019 17:18

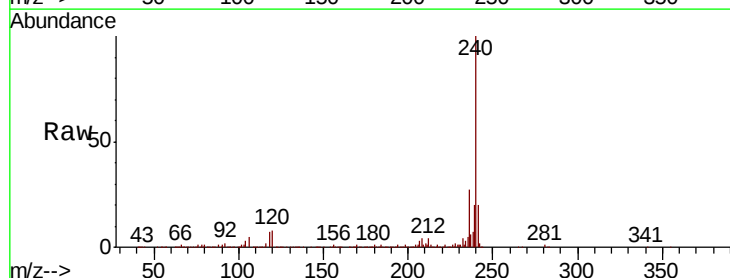
Tgt Ion:240 Resp: 397576

Ion Ratio Lower Upper

240 100

120 7.7 6.0 9.0

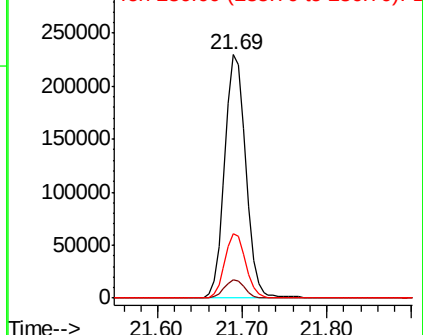
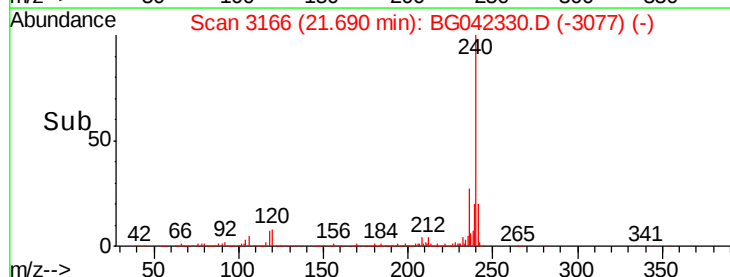
236 26.5 21.6 32.4

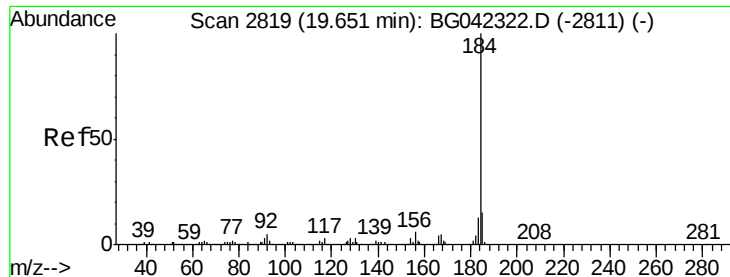


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.934 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

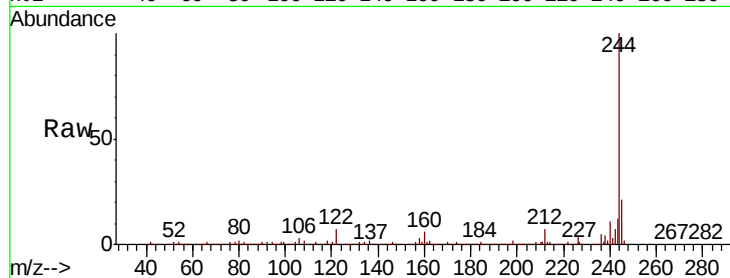
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 9842

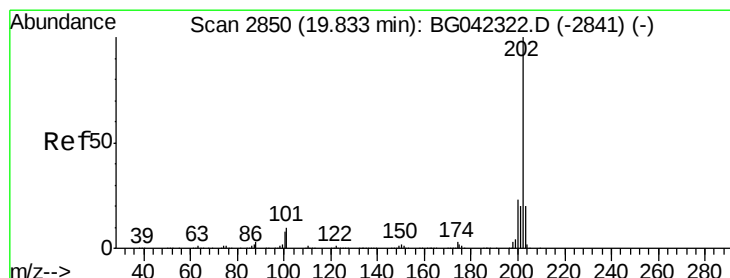
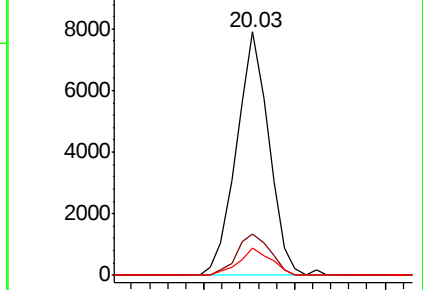
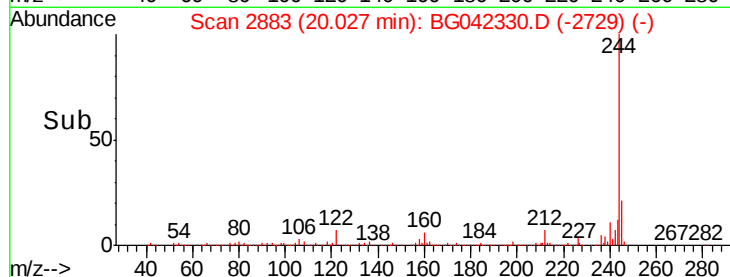
Ion	Ratio	Lower	Upper
184	100		
185	17.0	11.8	17.6
183	11.2	10.6	15.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 1.905 ng

RT: 19.83 min Scan# 2850

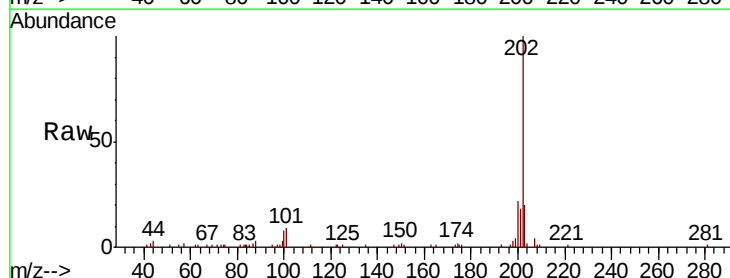
Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Tgt Ion:202 Resp: 46593

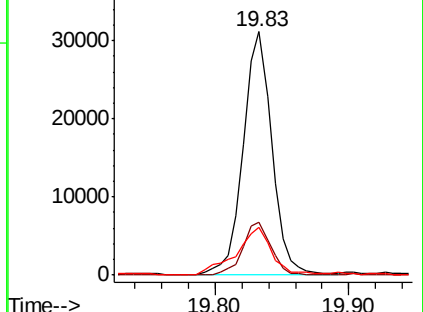
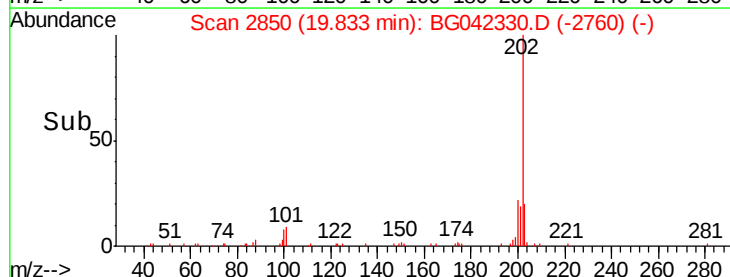
Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.1	27.1
203	19.8	15.8	23.8

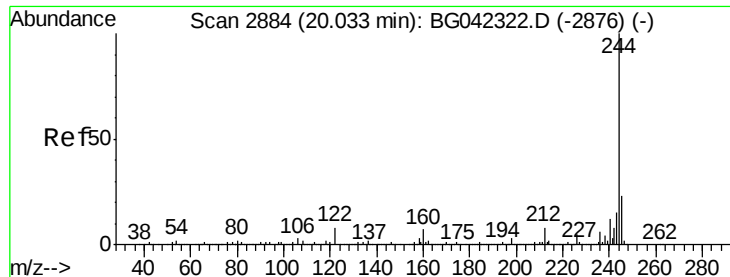


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 44.598 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampleId :

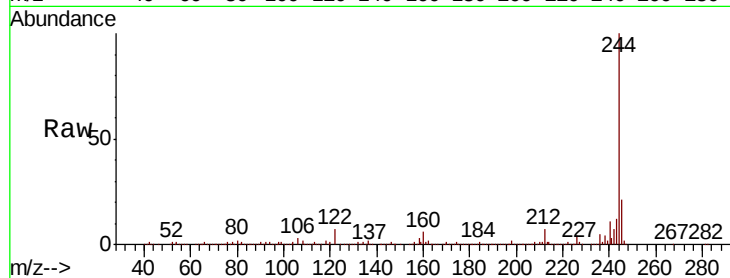
Tot Ion:244 Resp: 809539

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

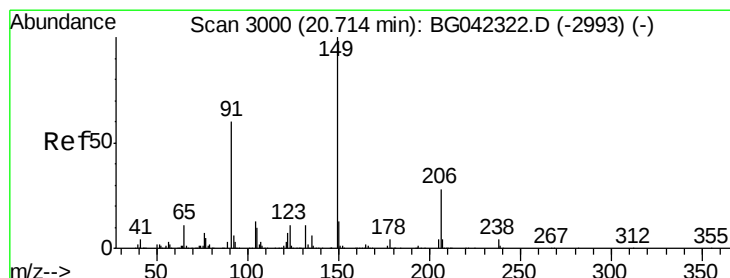
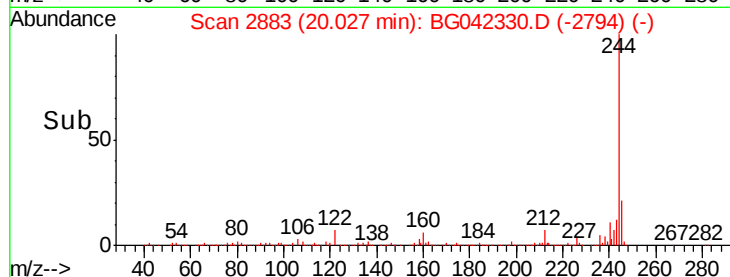
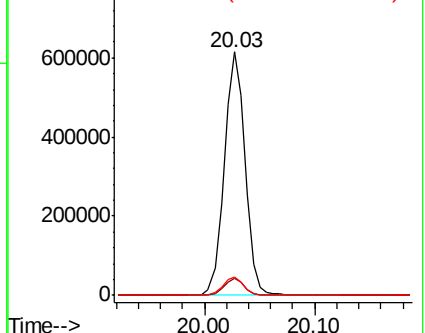
122 7.5 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.035 ng

RT: 20.71 min Scan# 3000

Delta R.T. 0.00 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

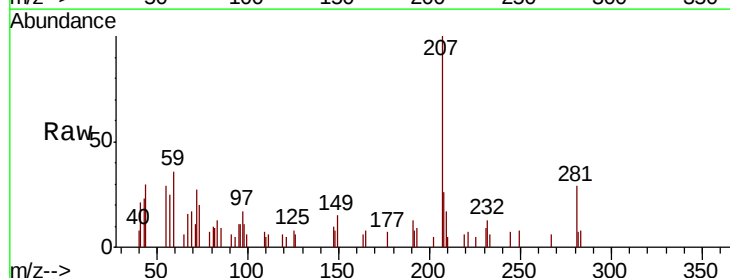
Tgt Ion:149 Resp: 342

Ion Ratio Lower Upper

149 100

91 41.2 47.8 71.6#

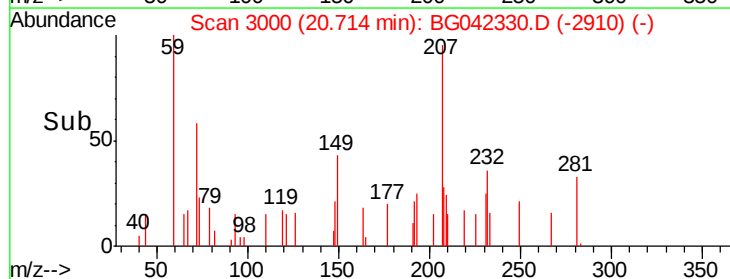
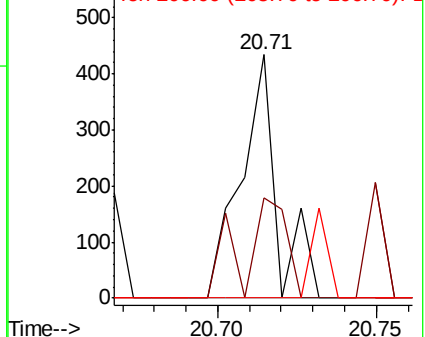
206 0.0 22.6 33.8#

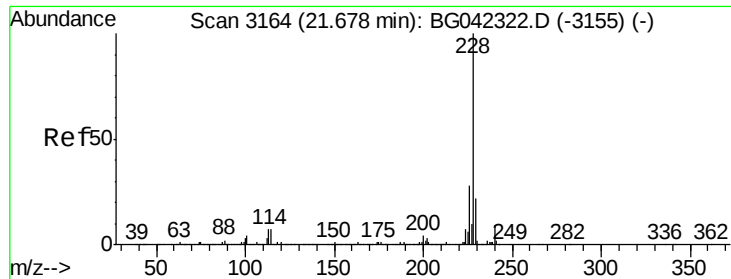


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

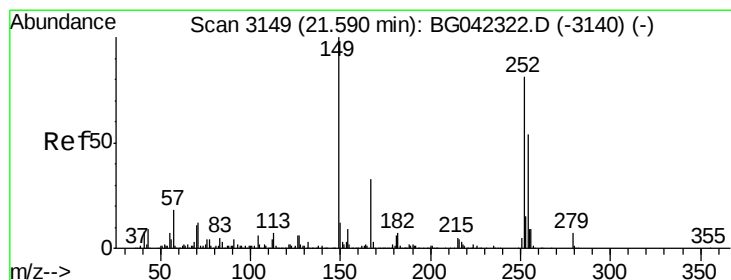
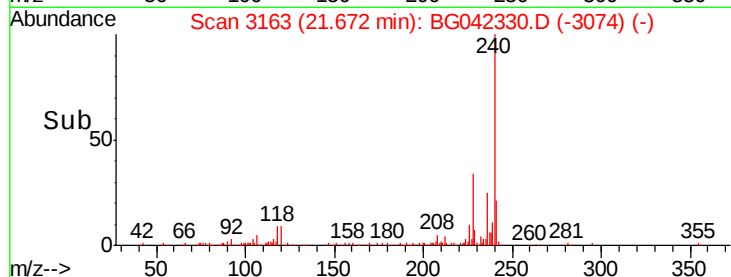
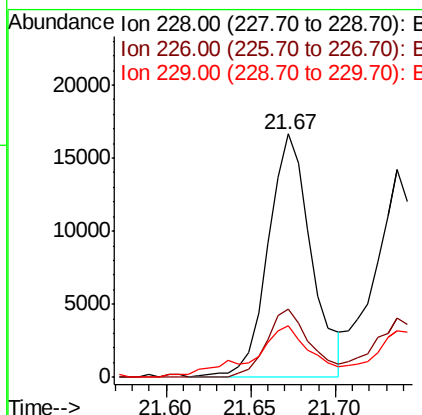
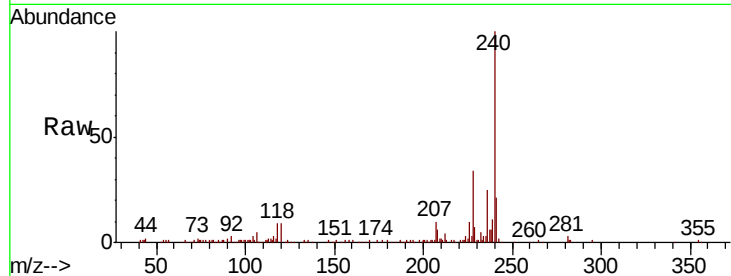




#81
Benzo(a)anthracene
Concen: 1.213 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

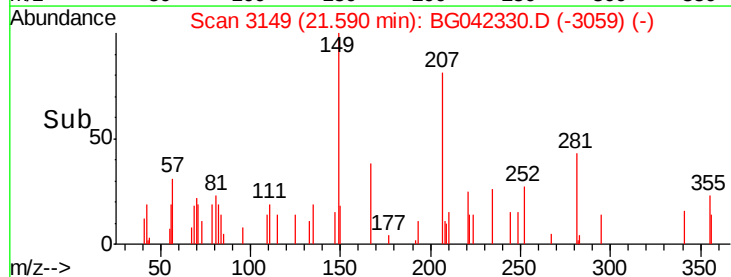
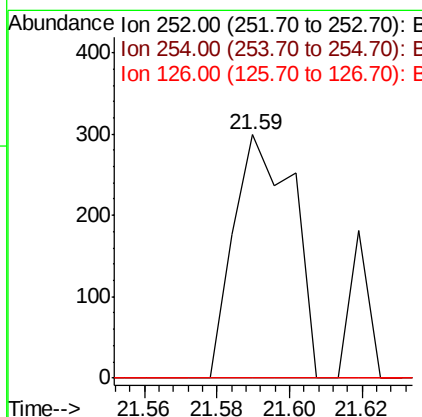
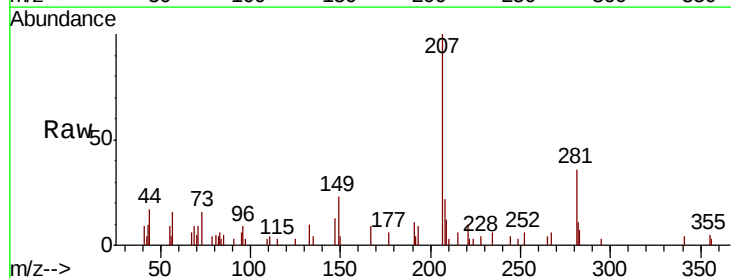
Instrument :
BNA_G
ClientSampleId :

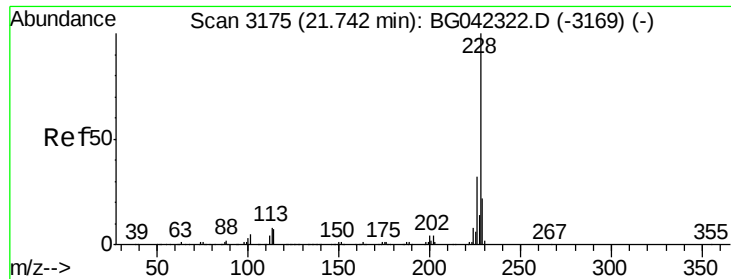
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	21.3	17.4	26.2



#82
3,3'-Dichlorobenzidine
Concen: 0.035 ng
RT: 21.59 min Scan# 3149
Delta R.T. 0.00 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
254	0.0	53.0	79.6#
126	0.0	6.2	9.2#

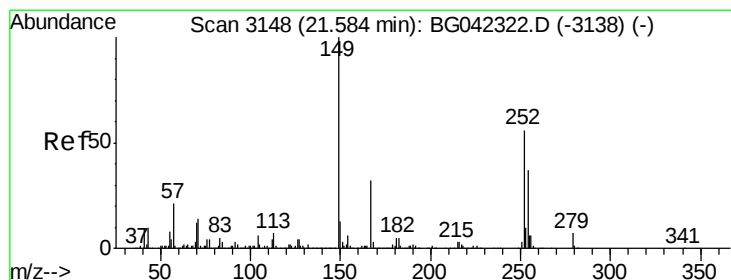
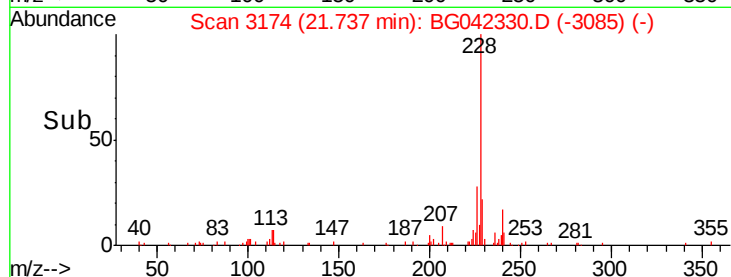
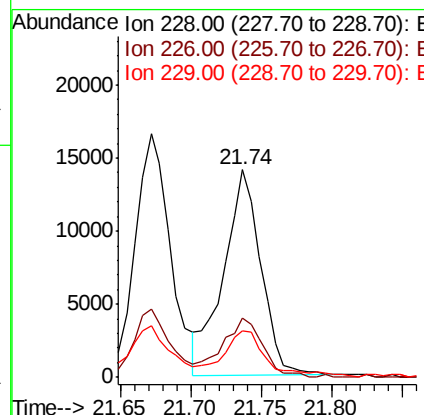
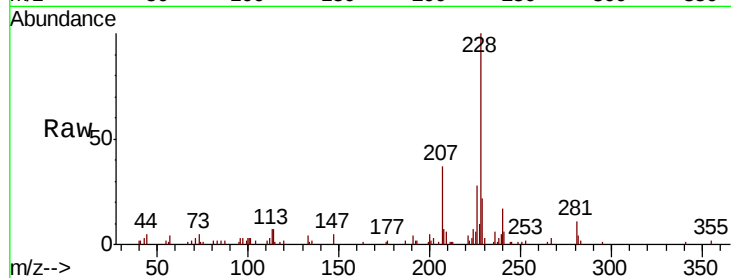




#83
Chrysene
Concen: 1.112 ng
RT: 21.74 min Scan# 3174
Delta R.T. -0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

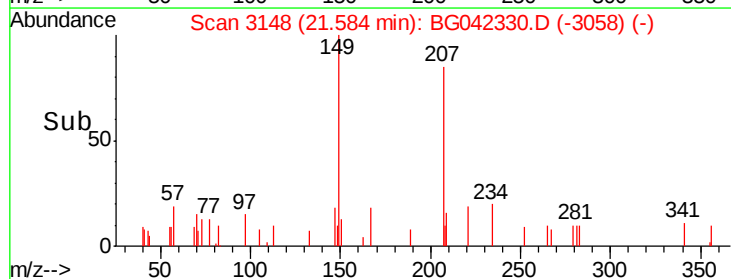
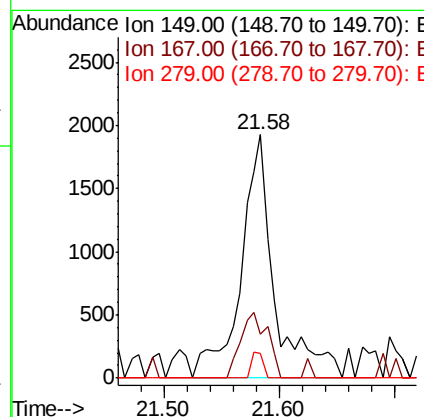
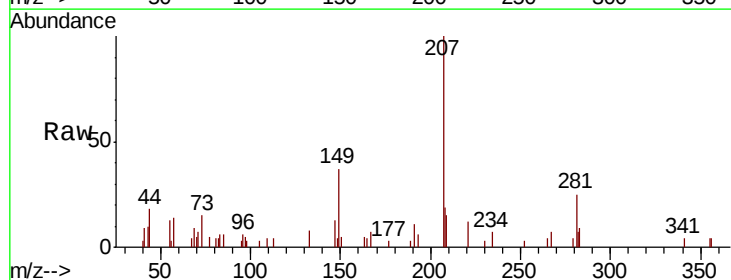
Instrument :
BNA_G
ClientSampleId :

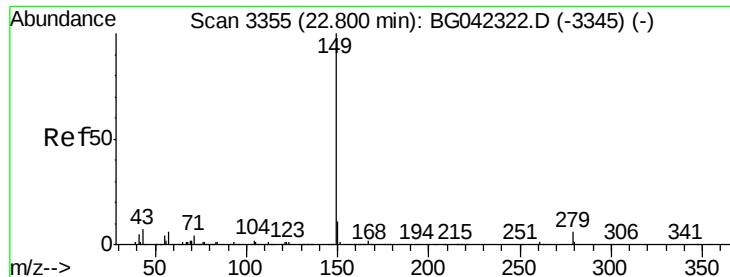
Tot Ion:228 Resp: 25963
Ion Ratio Lower Upper
228 100
226 28.5 25.6 38.4
229 22.5 17.8 26.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 21.58 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion:149 Resp: 3860
Ion Ratio Lower Upper
149 100
167 18.1 25.4 38.0#
279 10.3 5.8 8.6#

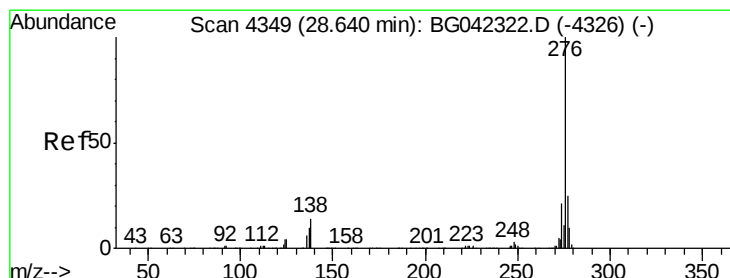
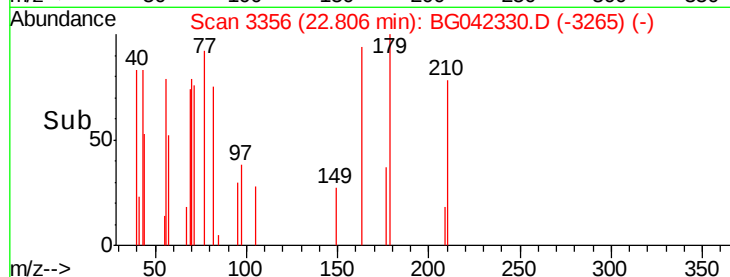
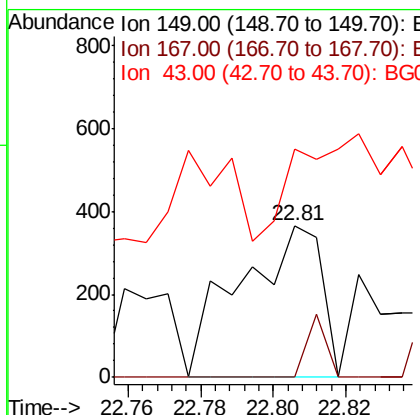
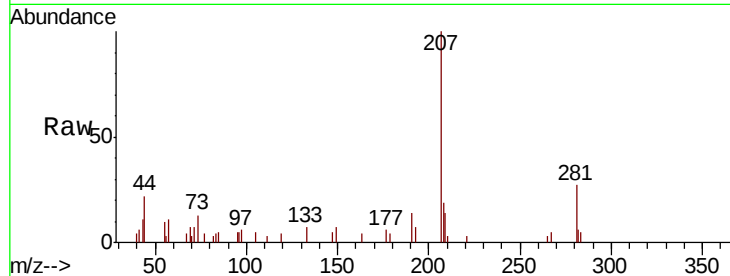




#85
Di-n-octyl phthalate
Concen: 0.025 ng
RT: 22.81 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

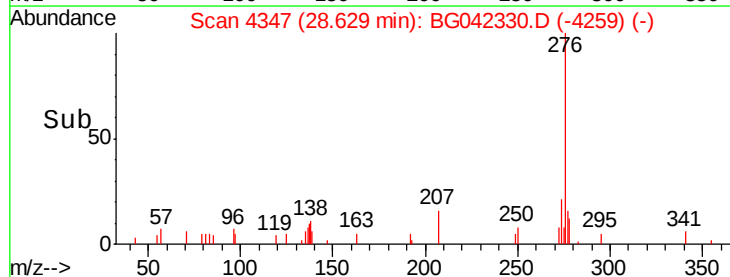
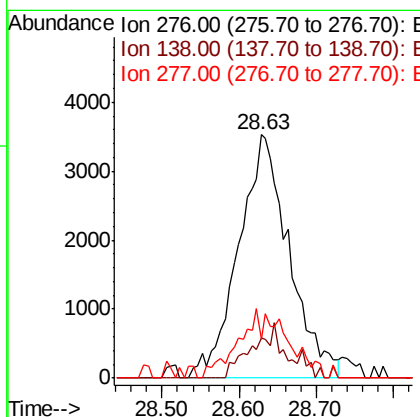
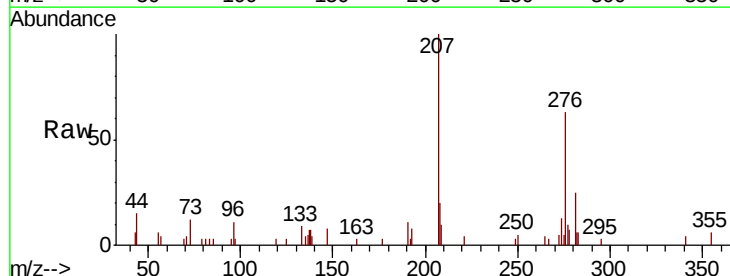
Instrument :
BNA_G
ClientSampleId :

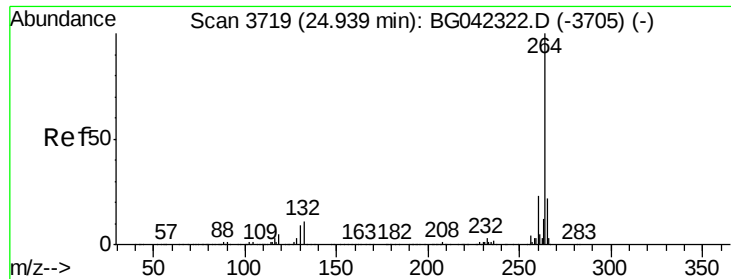
Tot Ion	Ratio	Lower	Upper
149	100		
167	9.4	1.4	2.2#
43	0.0	5.4	8.2#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.517 ng
RT: 28.63 min Scan# 4347
Delta R.T. -0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	14.5	21.7#
277	13.1	21.0	31.4#

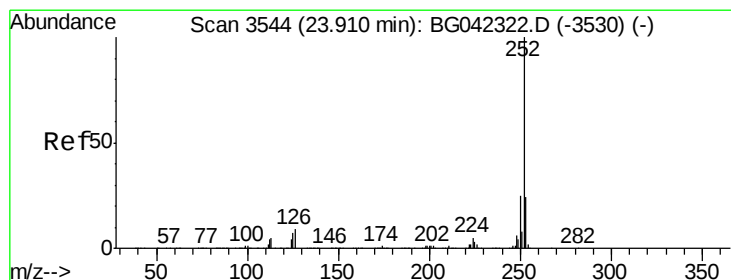
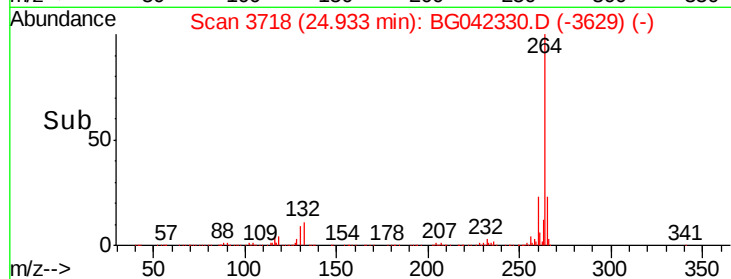
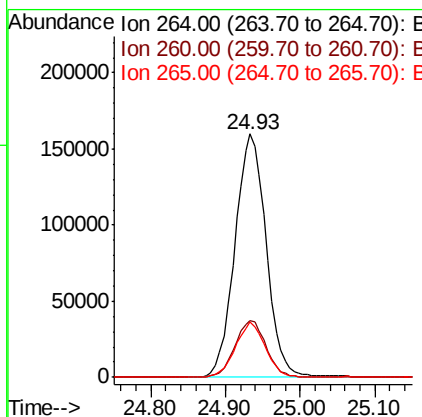
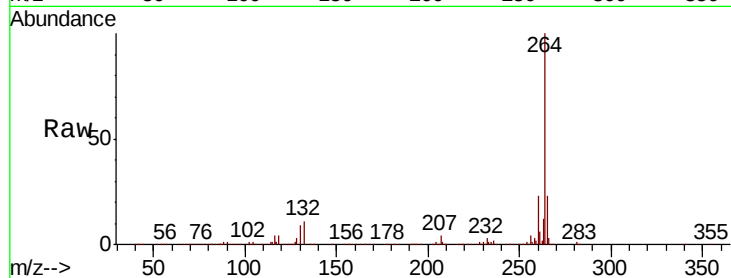




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

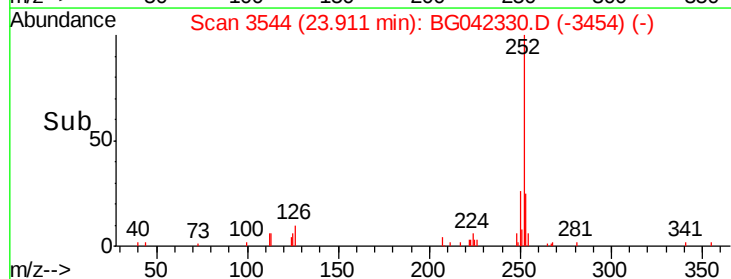
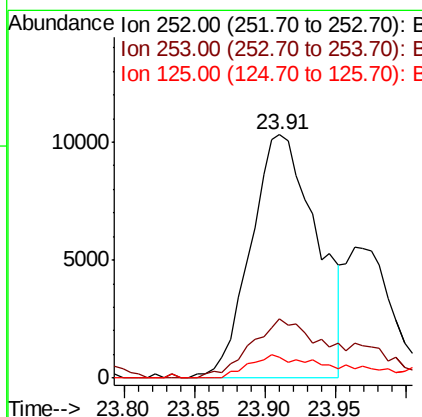
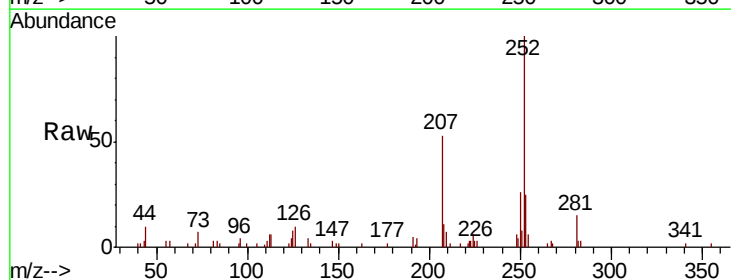
Instrument :
BNA_G
ClientSampleId :

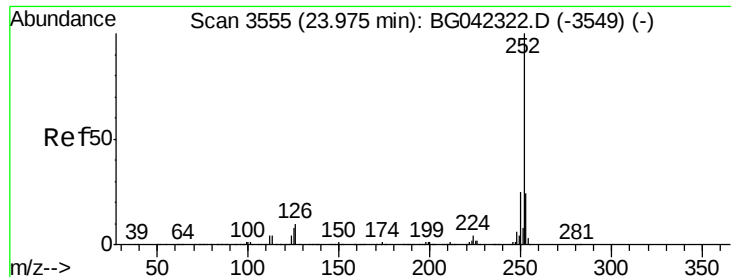
Tot Ion:264 Resp: 463824
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 22.9 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 1.319 ng
RT: 23.91 min Scan# 3544
Delta R.T. 0.00 min
Lab File: BG042330.D
Acq: 19 Aug 2019 17:18

Tgt Ion:252 Resp: 33634
Ion Ratio Lower Upper
252 100
253 24.6 18.9 28.3
125 8.5 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 1.350 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.06 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

Instrument :

BNA_G

ClientSampled :

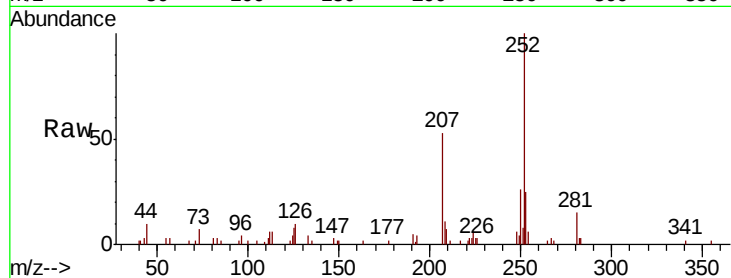
Tot Ion:252 Resp: 33634

Ion Ratio Lower Upper

252 100

253 24.6 19.0 28.4

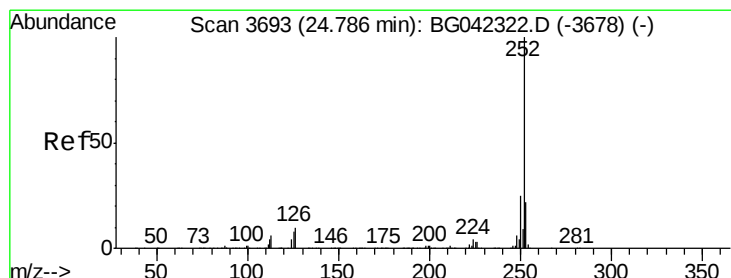
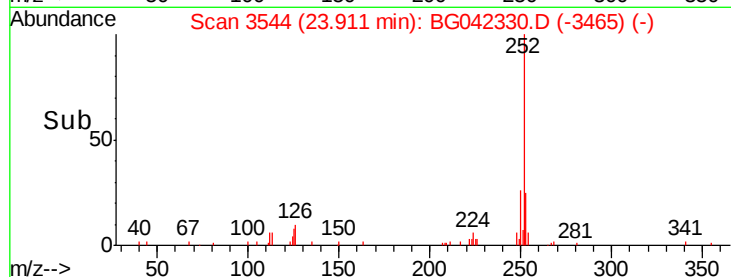
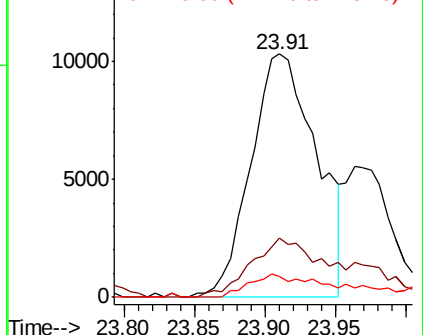
125 8.5 6.0 9.0



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: 1.084 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BG042330.D

Acq: 19 Aug 2019 17:18

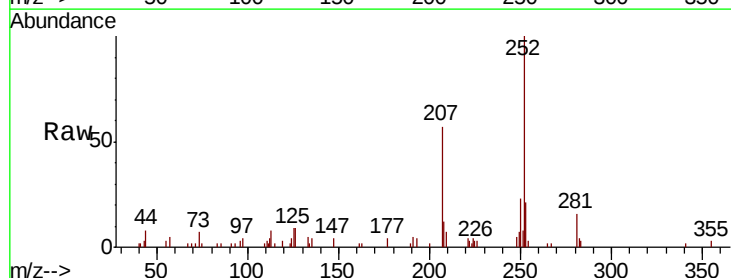
Tgt Ion:252 Resp: 26469

Ion Ratio Lower Upper

252 100

253 21.2 17.9 26.9

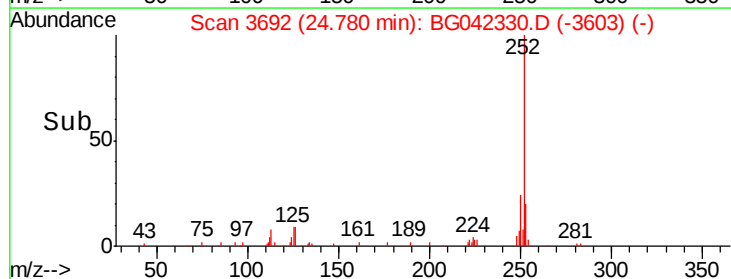
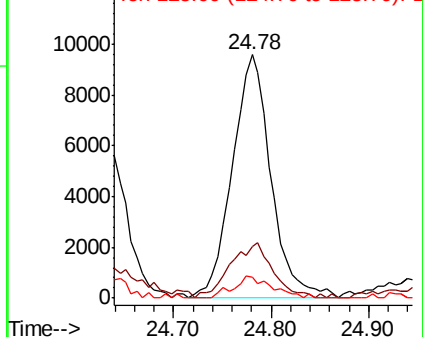
125 8.8 6.7 10.1

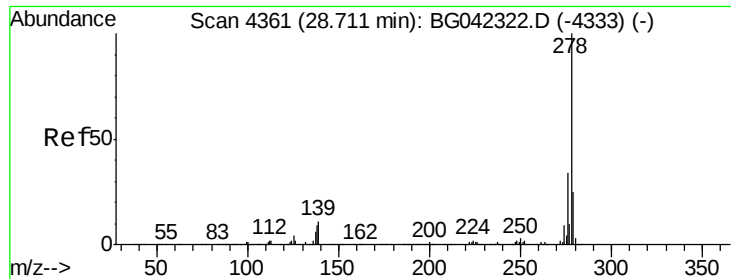


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

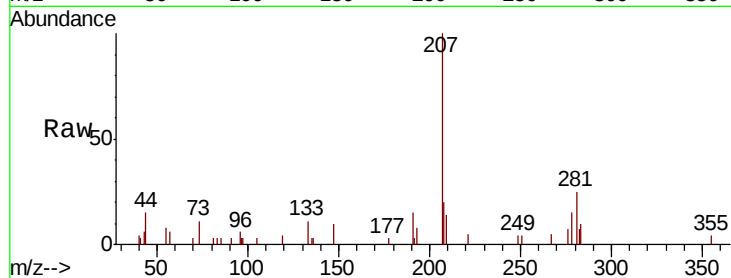




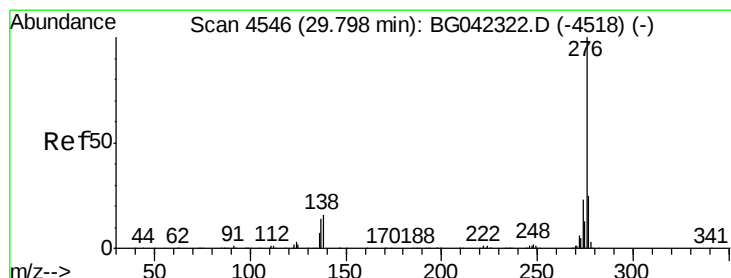
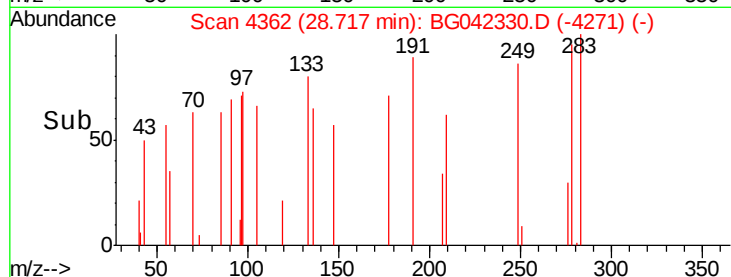
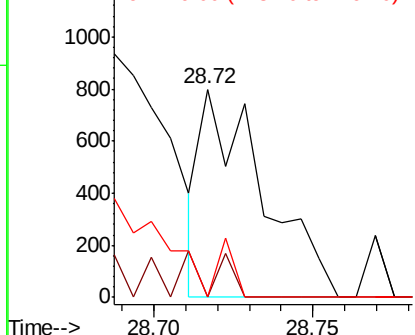
#91
 Dibenzo(a,h)anthracene
 Concen: 0.045 ng
 RT: 28.72 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:278 Resp: 1089
 Ion Ratio Lower Upper
 278 100
 139 0.0 8.5 12.7#
 279 0.0 19.8 29.8#

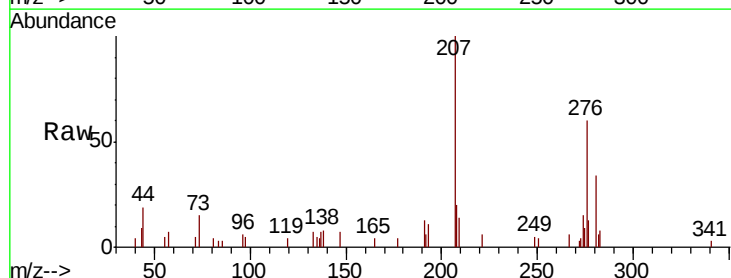


Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#92
 Benzo(g,h,i)perylene
 Concen: 0.604 ng
 RT: 29.79 min Scan# 4544
 Delta R.T. -0.01 min
 Lab File: BG042330.D
 Acq: 19 Aug 2019 17:18

Tgt Ion:276 Resp: 14668
 Ion Ratio Lower Upper
 276 100
 277 21.9 19.8 29.8
 138 13.1 12.8 19.2



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

