

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081919\
 Data File : BG042335.D
 Acq On : 19 Aug 2019 20:31
 Operator : HP/JU
 Sample : K4237-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 20 04:24:26 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	58916	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	236640	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	175162	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	391464	20.00	ng	0.00
76) Chrysene-d12	21.69	240	401947	20.00	ng	0.00
87) Perylene-d12	24.93	264	480624	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	286769	98.62	ng	0.00
7) Phenol-d6	7.18	99	405789	102.75	ng	0.01
23) Nitrobenzene-d5	9.17	82	221902	65.95	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	211450	88.63	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	706949	68.30	ng	0.00
79) Terphenyl-d14	20.03	244	1169322	63.72	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.45	88	460	0.367	ng	# 22
3) Pyridine	3.73	79	55	0.017	ng	# 1
4) n-Nitrosodimethylamine	3.74	42	218	0.197	ng	# 1
6) Aniline	7.22	93	54	0.010	ng	# 1
9) Benzaldehyde	7.18	77	620	0.279	ng	# 1
10) Phenol	7.20	94	4778	1.190	ng	# 5
11) bis(2-Chloroethyl)ether	7.54	93	363	0.114	ng	# 1
15) Benzyl Alcohol	8.33	79	3355	1.235	ng	# 40
16) 2,2'-oxybis(1-Chloropropan	8.67	45	55	0.013	ng	# 67
19) n-Nitroso-di-n-propylamine	9.17	70	27710	10.909	ng	# 74
24) Nitrobenzene	9.17	77	643	0.188	ng	# 33
25) Isophorone	9.62	82	56	0.008	ng	# 59
46) 1,1'-Biphenyl	13.50	154	1078	0.094	ng	# 84
48) 2-Nitroaniline	14.10	65	711	0.309	ng	# 1
50) Dimethylphthalate	14.11	163	116528	9.362	ng	# 100
51) 2,6-Dinitrotoluene	14.11	165	1338	0.459	ng	# 30
52) Acenaphthene	14.66	154	597	0.067	ng	# 5
53) 3-Nitroaniline	15.02	138	57	0.020	ng	# 7
57) 2,4-Dinitrotoluene	14.67	165	23450	5.758	ng	# 36
58) Fluorene	16.15	166	7773	0.657	ng	# 88
60) Diethylphthalate	15.47	149	335	0.028	ng	# 55
63) Azobenzene	16.16	77	643	0.077	ng	# 36
65) 4,6-Dinitro-2-methylphenol	16.15	198	461	0.193	ng	# 1
66) n-Nitrosodiphenylamine	15.76	169	208	0.019	ng	# 23
67) 4-Bromophenyl-phenylether	16.16	248	13946	2.799	ng	# 1
71) Phenanthrene	17.46	178	430	0.022	ng	# 58
72) Anthracene	17.46	178	430	0.022	ng	# 59
73) Carbazole	17.83	167	59	0.003	ng	# 57
74) Di-n-butylphthalate	18.38	149	1731	0.086	ng	# 76
75) Fluoranthene	19.47	202	1479	0.063	ng	# 82
77) Benzidine	20.03	184	15263	1.432	ng	# 91
78) Pyrene	19.84	202	1460	0.059	ng	# 98
80) Butylbenzylphthalate	20.72	149	832	0.085	ng	# 83
81) Benzo(a)anthracene	21.68	228	1952	0.079	ng	# 58

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 QLast Update : Mon Aug 19 13:40:37 2019
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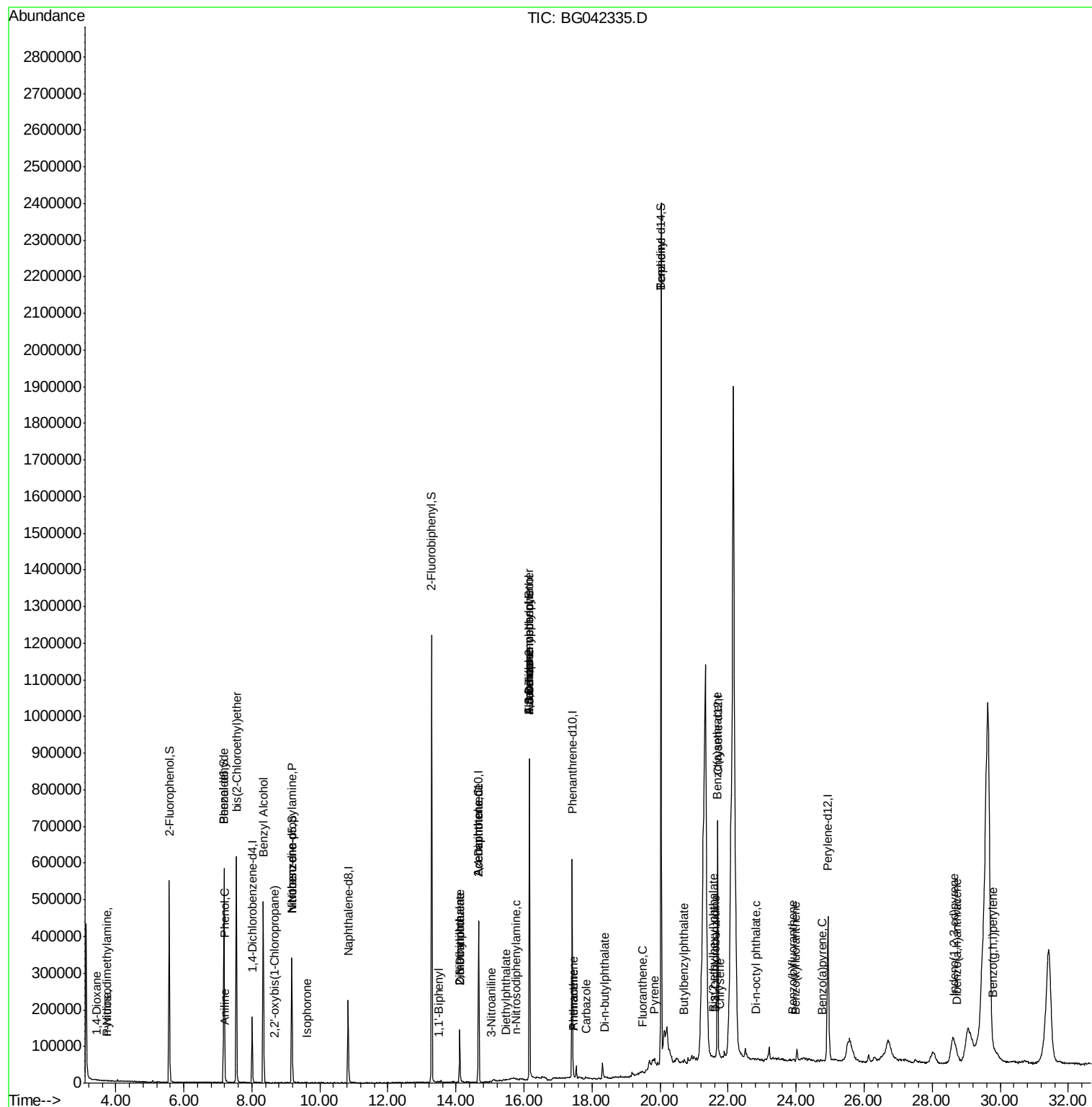
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
82) 3,3'-Dichlorobenzidine	21.61	252	162	0.016	ng	#	1
83) Chrysene	21.75	228	969	0.041	ng	#	68
84) Bis(2-ethylhexyl)phthalate	21.58	149	1482	0.108	ng	#	70
85) Di-n-octyl phthalate	22.81	149	225	0.010	ng	#	70
86) Indeno(1,2,3-cd)pyrene	28.65	276	246	0.008	ng	#	53
88) Benzo(b)fluoranthene	23.92	252	1610	0.061	ng	#	1
89) Benzo(k)fluoranthene	23.98	252	510	0.020	ng	#	1
90) Benzo(a)pyrene	24.77	252	608	0.024	ng	#	1
91) Dibenzo(a,h)anthracene	28.72	278	60	0.002	ng	#	1
92) Benzo(a,h,i)perylene	29.78	276	56	0.002	ng	#	1

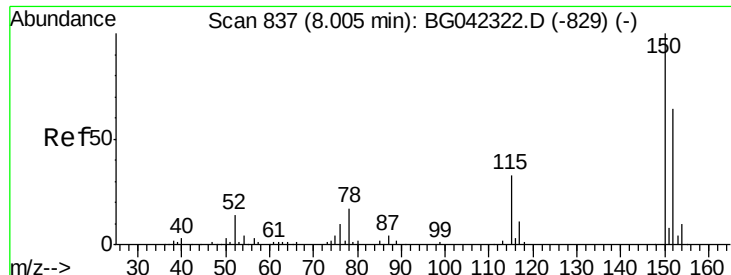
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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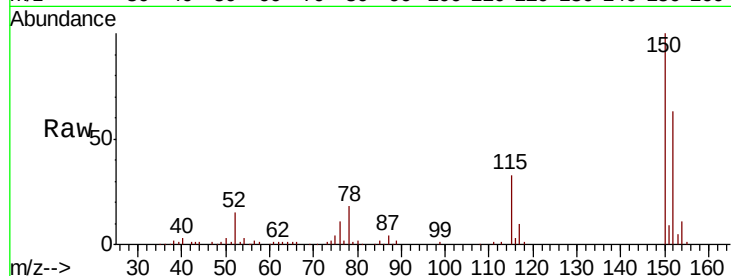


#1

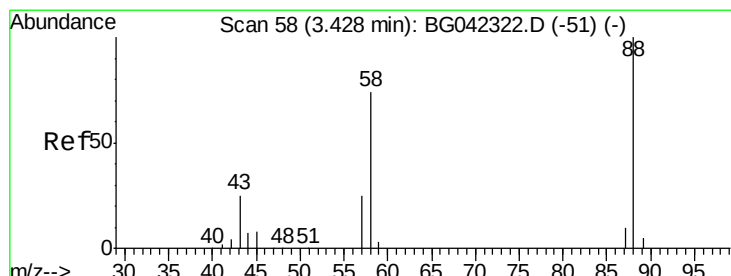
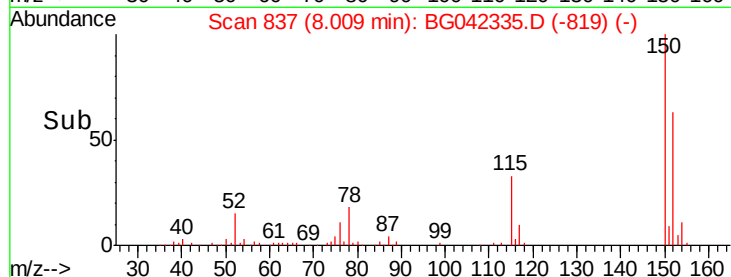
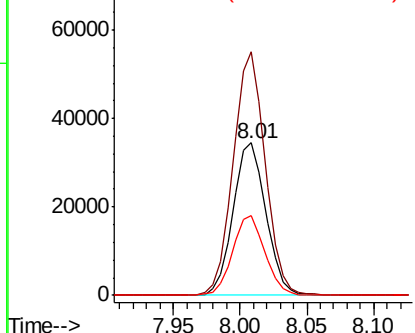
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58916
Ion Ratio Lower Upper
152 100
150 159.8 124.3 186.5
115 52.3 40.5 60.7



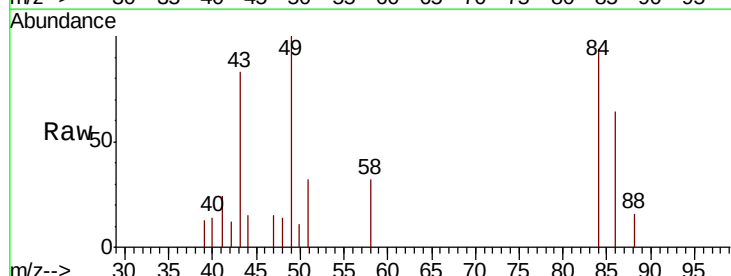
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



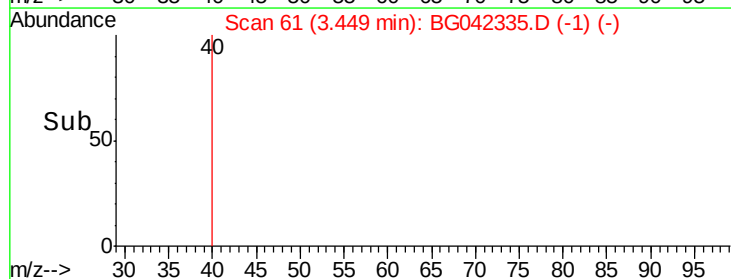
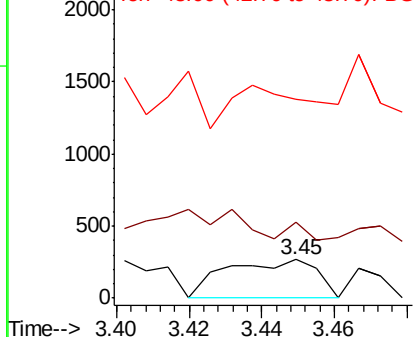
#2

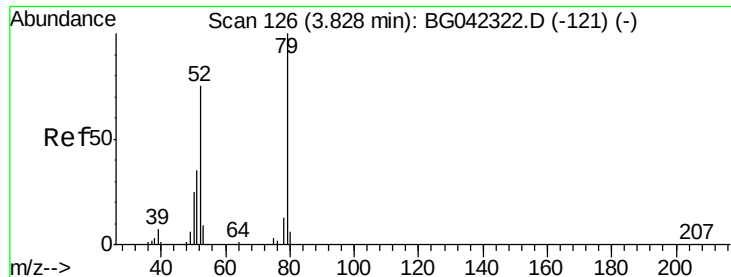
1,4-Dioxane
Concen: 0.367 ng
RT: 3.45 min Scan# 61
Delta R.T. 0.02 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

Tgt Ion: 88 Resp: 460
Ion Ratio Lower Upper
88 100
58 0.0 58.6 88.0#
43 0.0 19.4 29.0#



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





#3

Pvridine

Concen: 0.017 ng

RT: 3.73 min Scan# 109

Delta R.T. -0.10 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

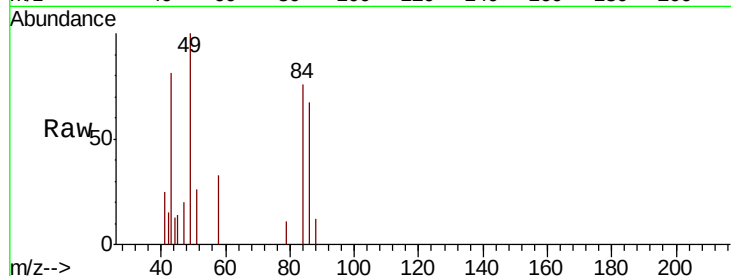
Tot Ion: 79 Resp: 55

Ion Ratio Lower Upper

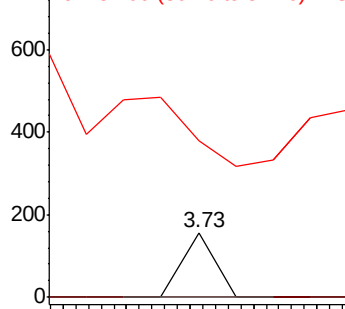
79 100

52 0.0 60.0 90.0#

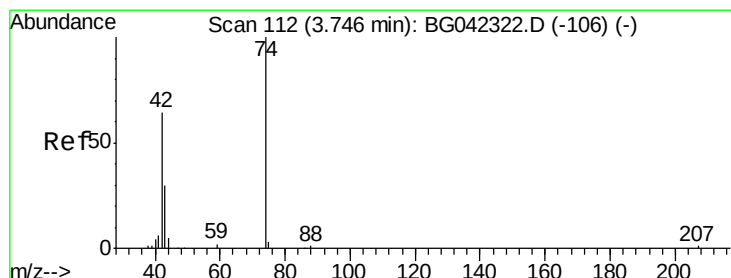
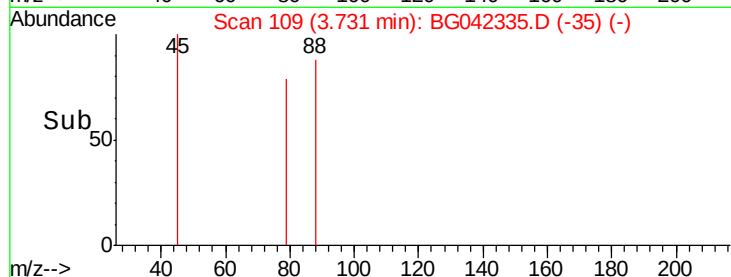
51 242.3 28.6 42.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



Time-->



#4

n-Nitrosodimethylamine

Concen: 0.197 ng

RT: 3.74 min Scan# 110

Delta R.T. -0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

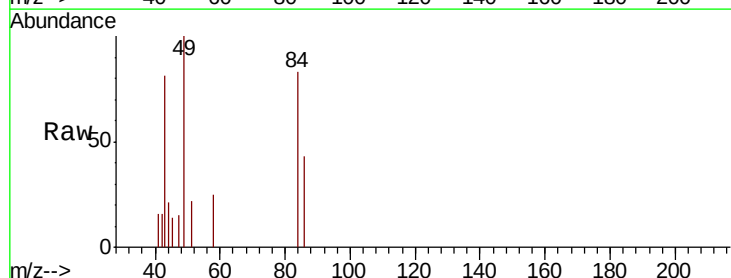
Tgt Ion: 42 Resp: 218

Ion Ratio Lower Upper

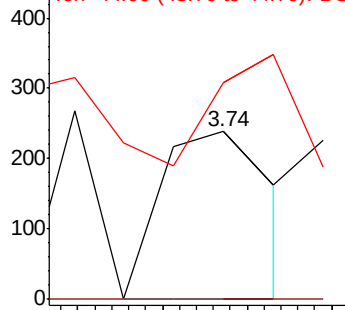
42 100

74 0.0 124.2 186.2#

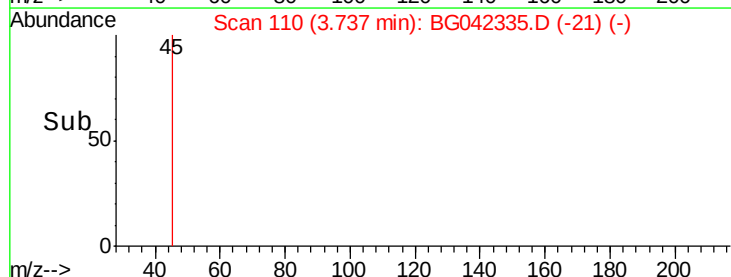
44 129.4 6.5 9.7#

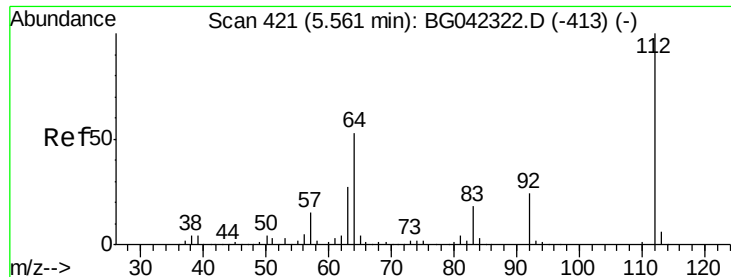


Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



Time-->





#5

2-Fluorophenol

Concen: 98.619 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

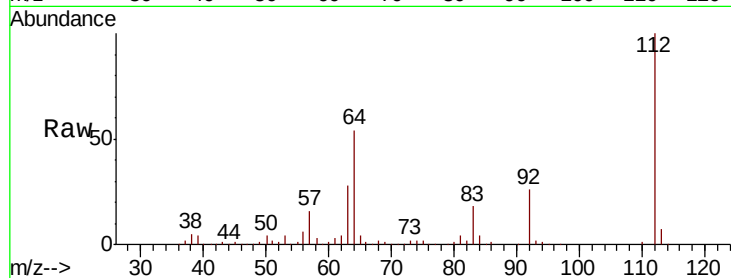
Tot Ion:112 Resp: 286769

Ion Ratio Lower Upper

112 100

64 53.8 42.5 63.7

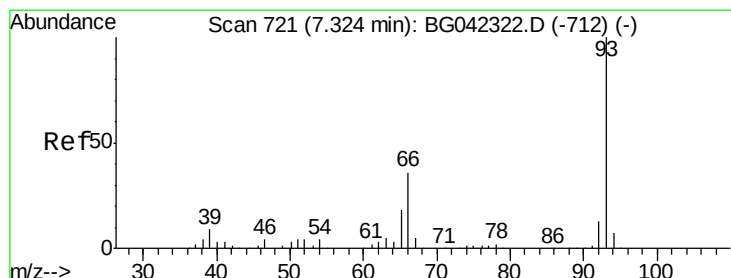
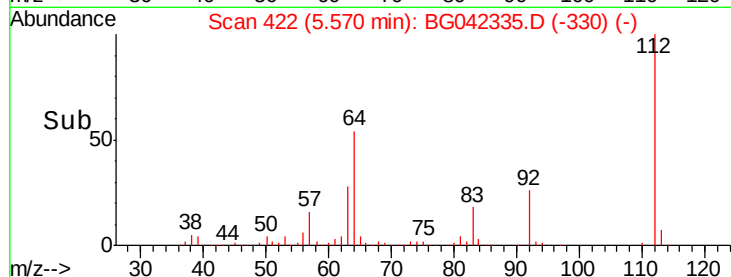
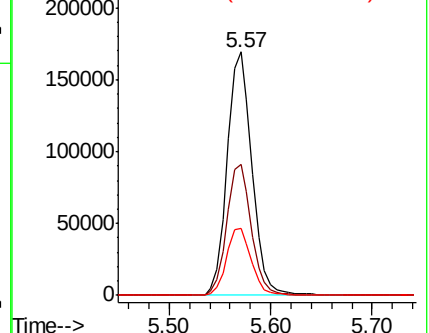
63 27.7 21.7 32.5



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: 0.010 ng

RT: 7.22 min Scan# 702

Delta R.T. -0.11 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

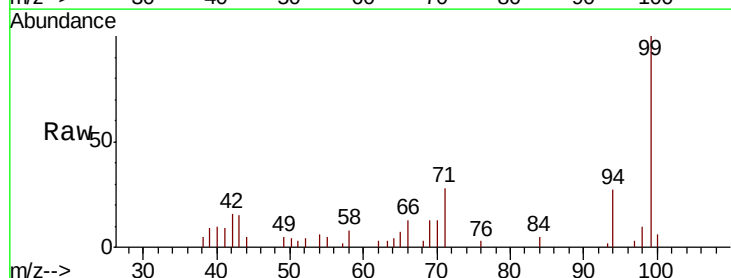
Tgt Ion: 93 Resp: 54

Ion Ratio Lower Upper

93 100

66 535.1 29.1 43.7#

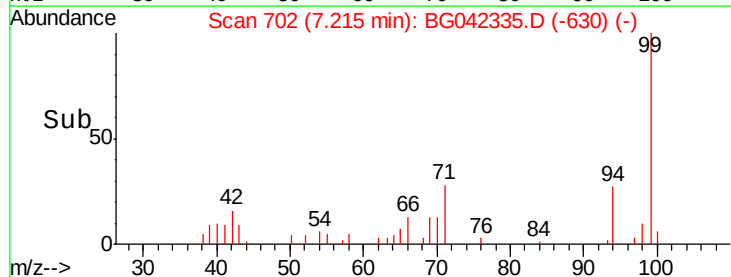
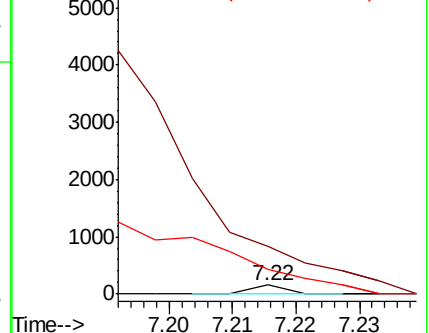
65 281.8 14.7 22.1#

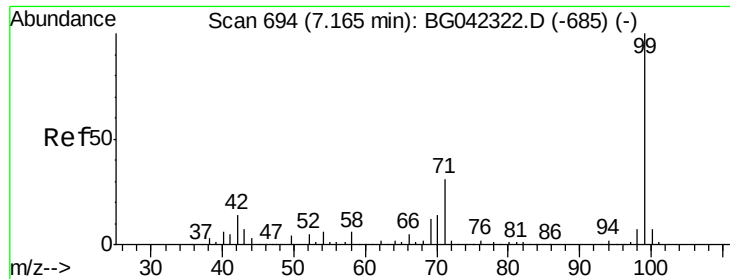


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 102.752 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

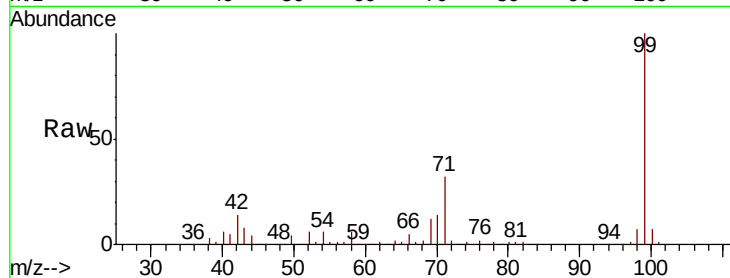
Tot Ion: 99 Resp: 405789

Ion Ratio Lower Upper

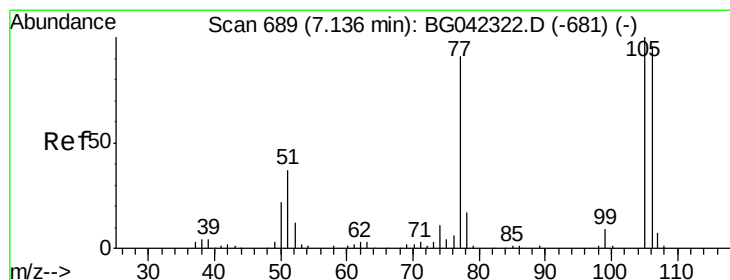
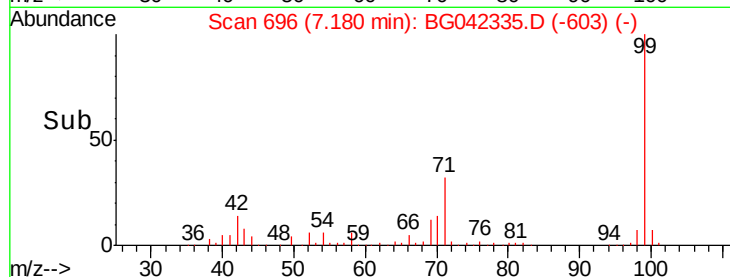
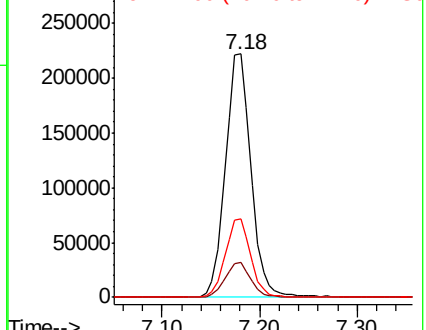
99 100

42 14.2 11.4 17.0

71 32.4 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: 0.279 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.05 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

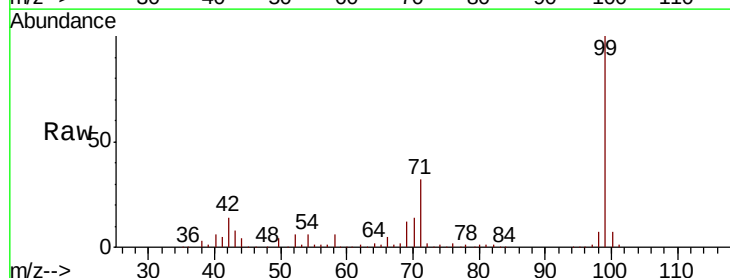
Tgt Ion: 77 Resp: 620

Ion Ratio Lower Upper

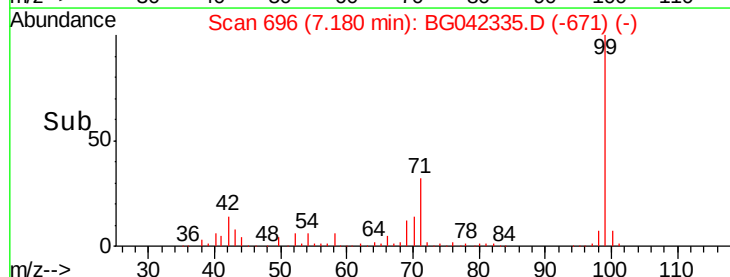
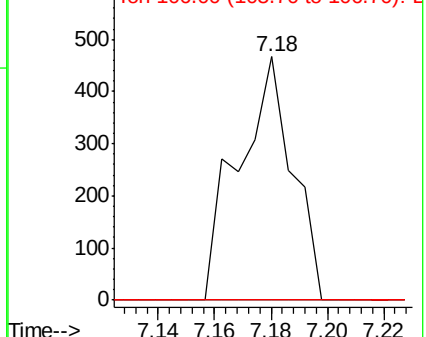
77 100

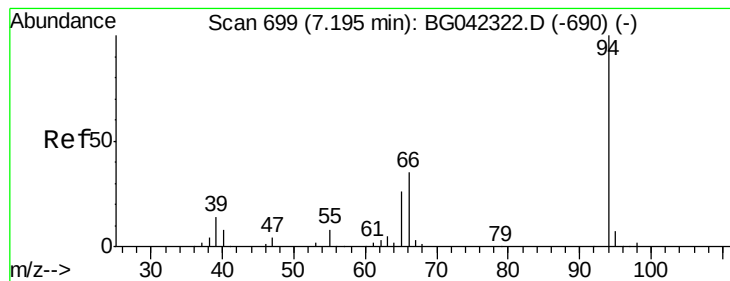
105 0.0 89.8 129.8#

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: 1.190 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

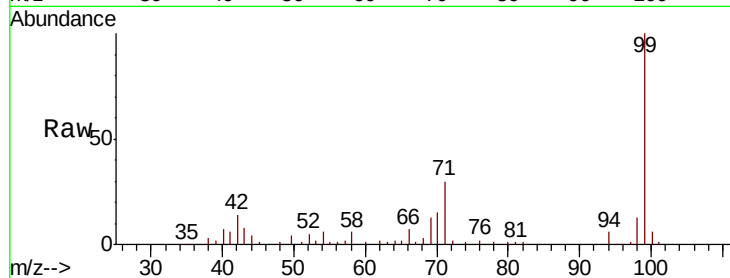
Tot Ion: 94 Resp: 4778

Ion Ratio Lower Upper

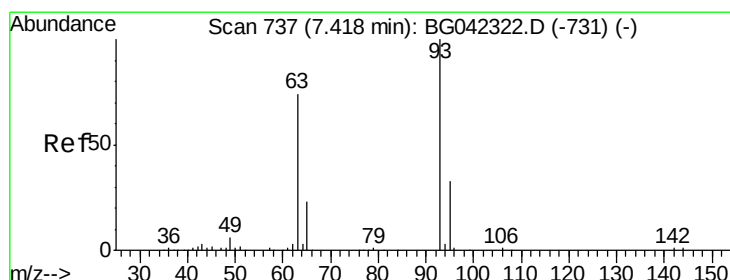
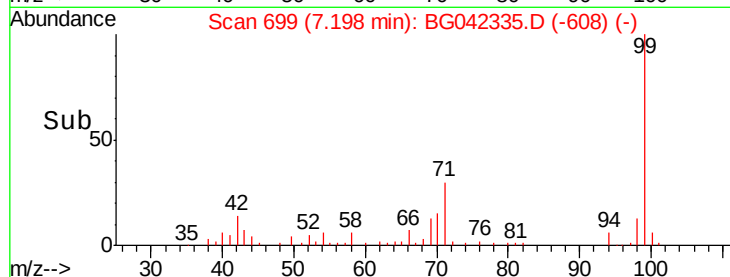
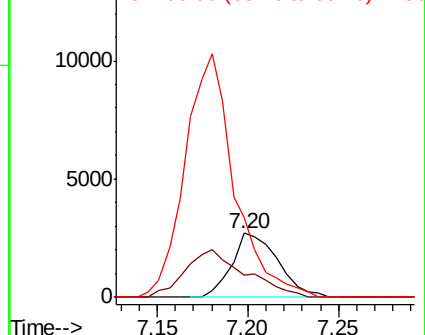
94 100

65 34.9 6.1 46.1

66 124.4 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: 0.114 ng

RT: 7.54 min Scan# 757

Delta R.T. 0.12 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

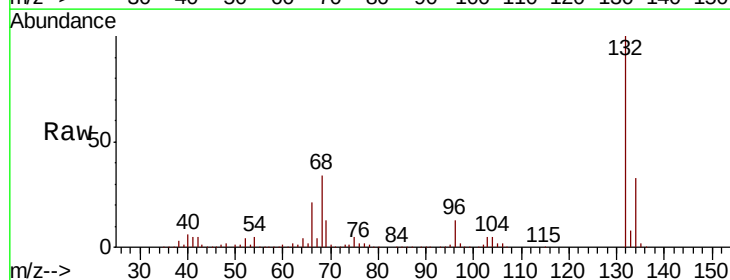
Tgt Ion: 93 Resp: 363

Ion Ratio Lower Upper

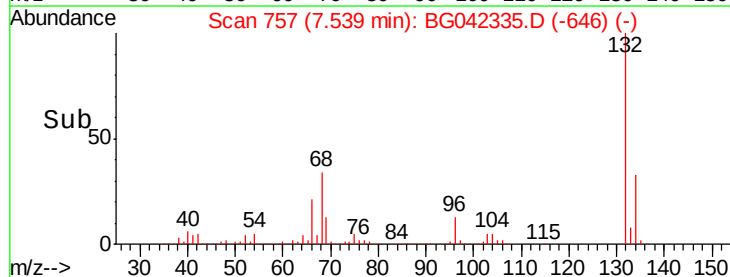
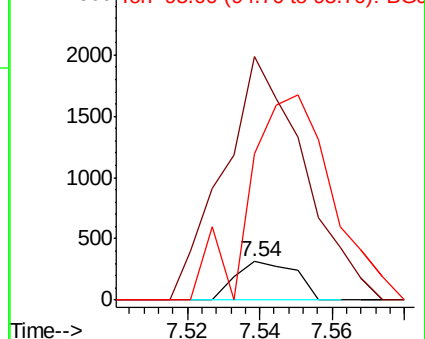
93 100

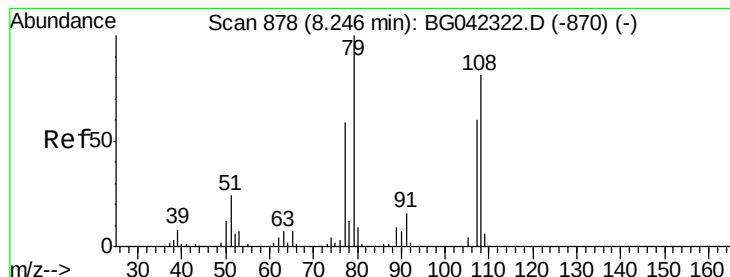
63 632.8 53.0 93.0#

95 381.2 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: 1.235 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.09 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

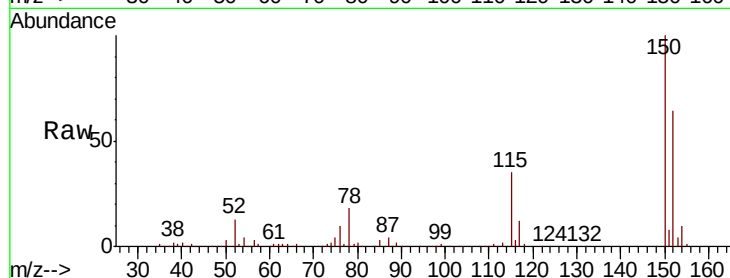
Tot Ion: 79 Resp: 3355

Ion Ratio Lower Upper

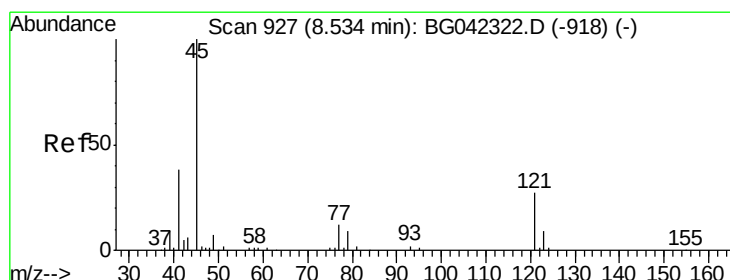
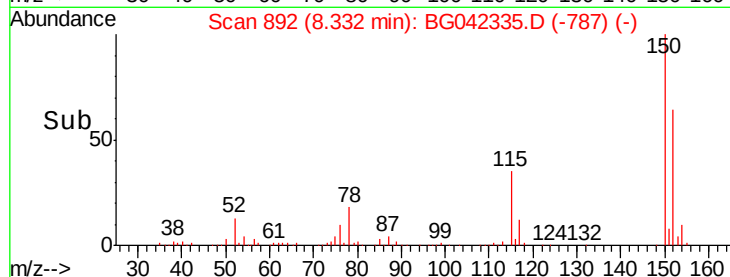
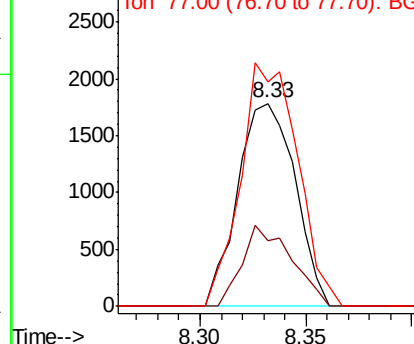
79 100

108 32.6 64.8 97.2#

77 110.6 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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.013 ng

RT: 8.67 min Scan# 949

Delta R.T. 0.13 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

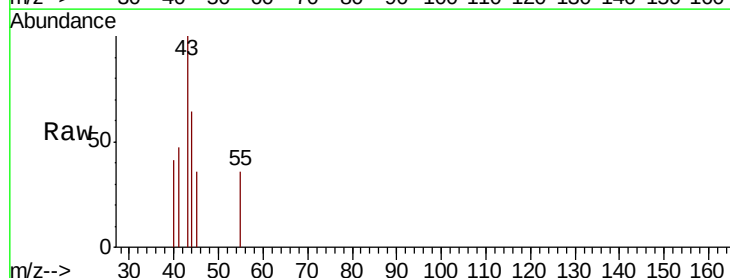
Tgt Ion: 45 Resp: 55

Ion Ratio Lower Upper

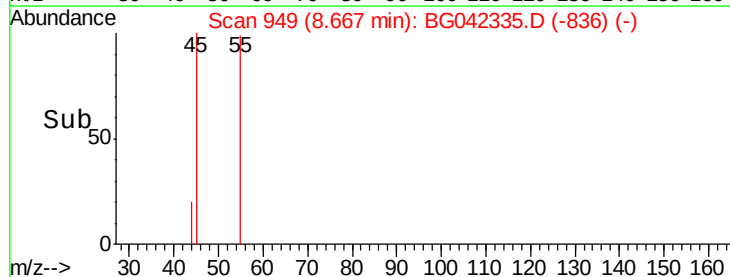
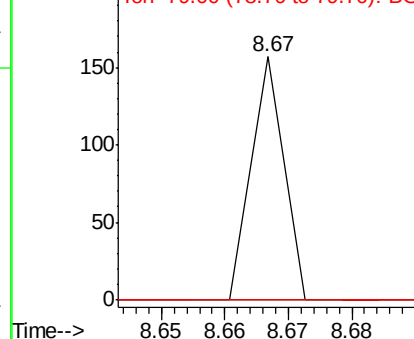
45 100

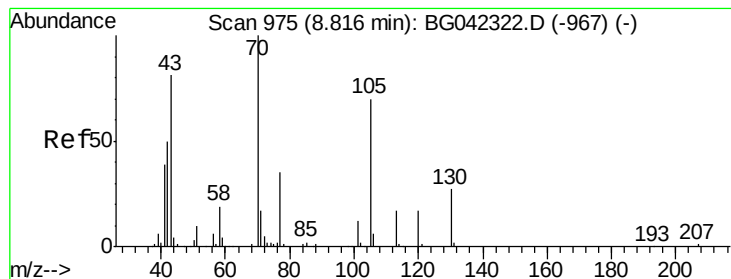
77 0.0 0.0 34.6

79 0.0 0.0 31.4



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 10.909 ng

RT: 9.17 min Scan# 1035

Delta R.T. 0.36 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 27710

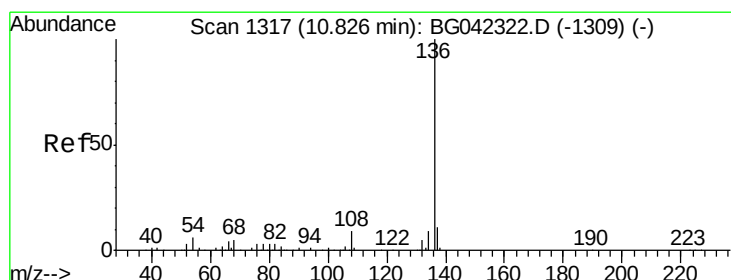
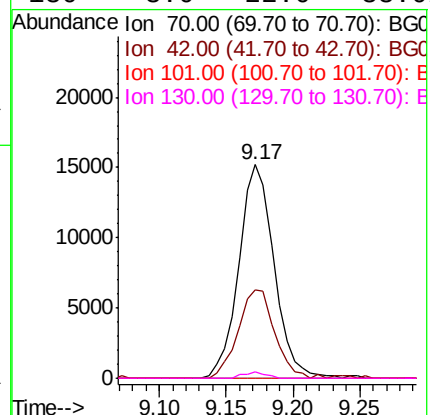
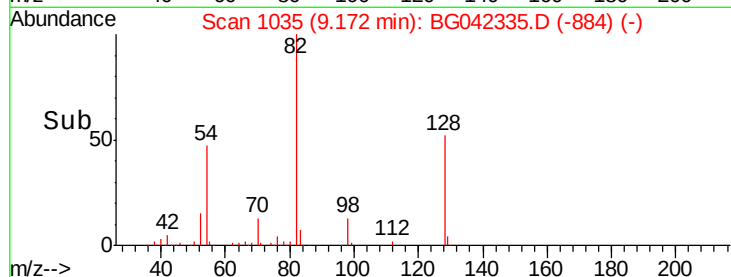
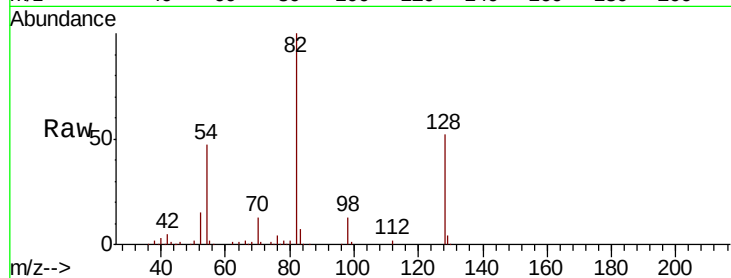
Ion Ratio Lower Upper

70 100

42 41.3 40.5 60.7

101 0.0 9.3 13.9#

130 3.0 22.0 33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Tgt Ion: 136 Resp: 236640

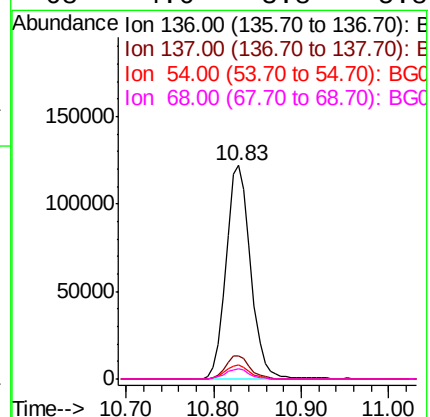
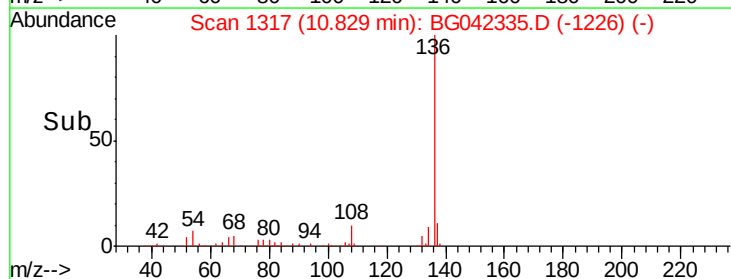
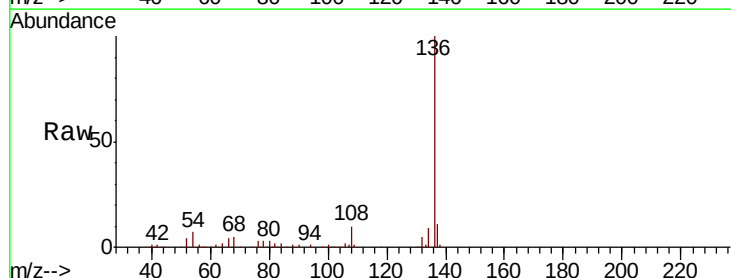
Ion Ratio Lower Upper

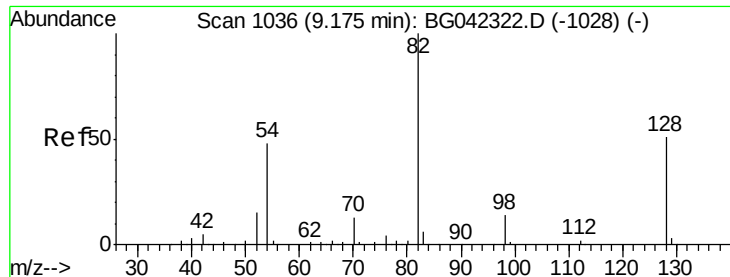
136 100

137 10.8 8.4 12.6

54 6.5 5.0 7.4

68 4.6 3.8 5.8

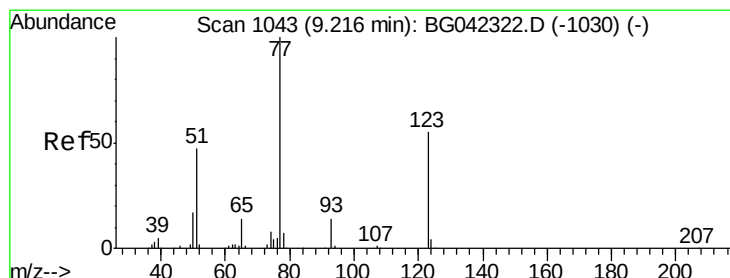
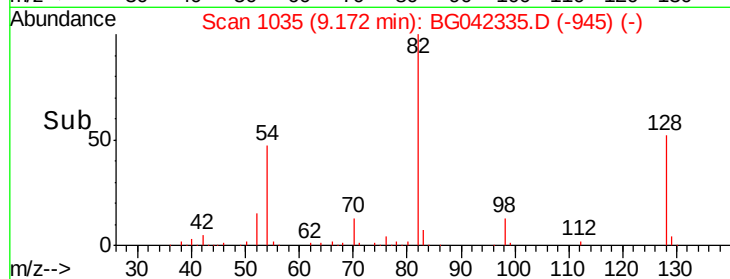
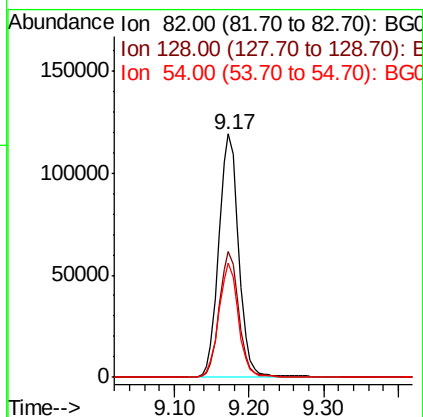
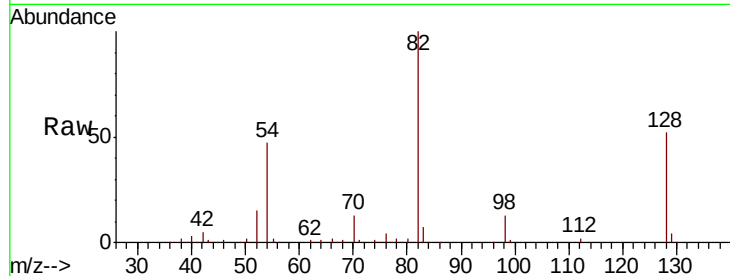




#23
 Nitrobenzene-d5
 Concen: 65.953 ng
 RT: 9.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG042335.D
 Acq: 19 Aug 2019 20:31

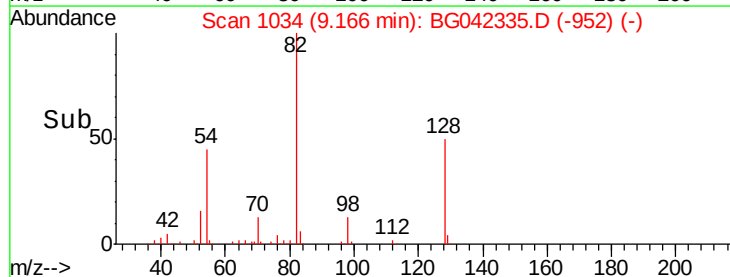
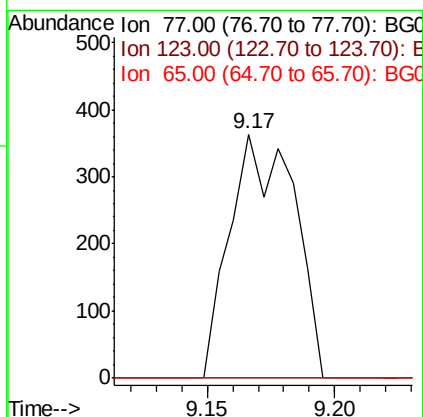
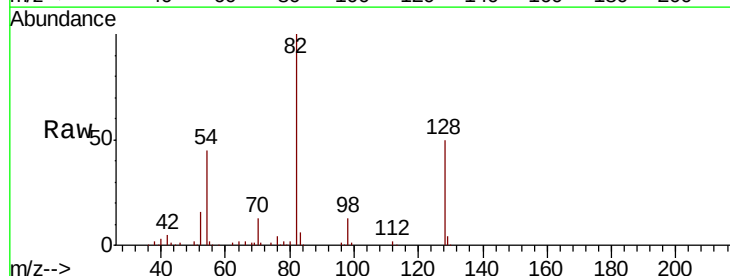
Instrument :
 BNA_G
 ClientSampleId :

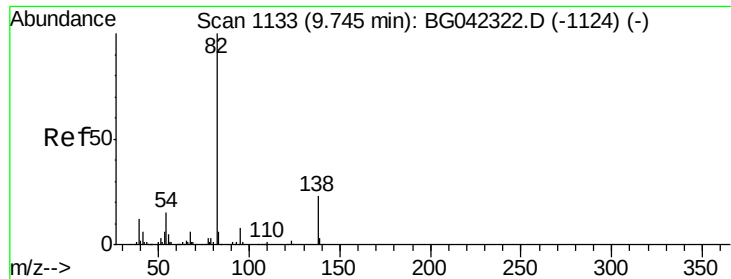
Tot Ion: 82 Resp: 221902
 Ion Ratio Lower Upper
 82 100
 128 51.7 41.0 61.4
 54 46.9 38.0 57.0



#24
 Nitrobenzene
 Concen: 0.188 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BG042335.D
 Acq: 19 Aug 2019 20:31

Tgt Ion: 77 Resp: 643
 Ion Ratio Lower Upper
 77 100
 123 0.0 43.7 65.5#
 65 0.0 10.9 16.3#





#25

Isophorone

Concen: 0.008 ng

RT: 9.62 min Scan# 1111

Delta R.T. -0.13 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

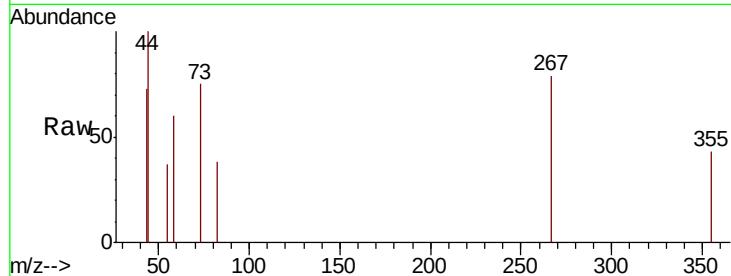
Tot Ion: 82 Resp: 56

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): BG042335.D (-1042) (-)

Ion 95.00 (94.70 to 95.70): BG042335.D (-1042) (-)

Ion 138.00 (137.70 to 138.70): BG042335.D (-1042) (-)

9.62

150

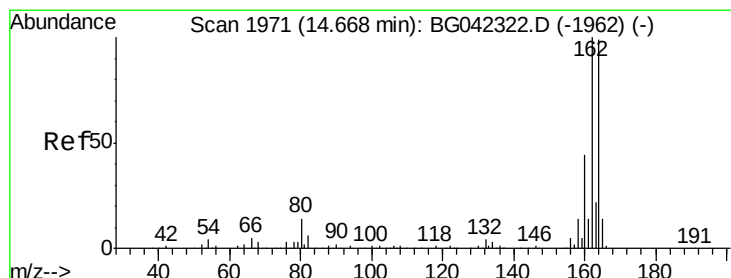
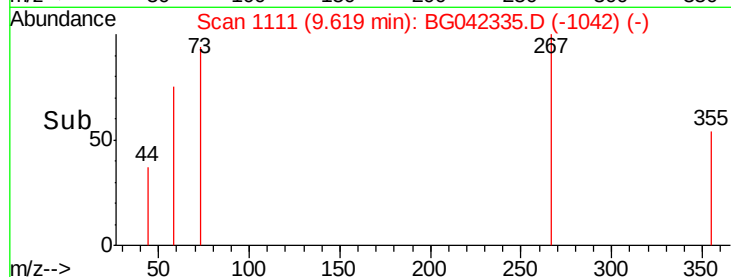
100

50

0

9.60 9.61 9.62 9.63

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

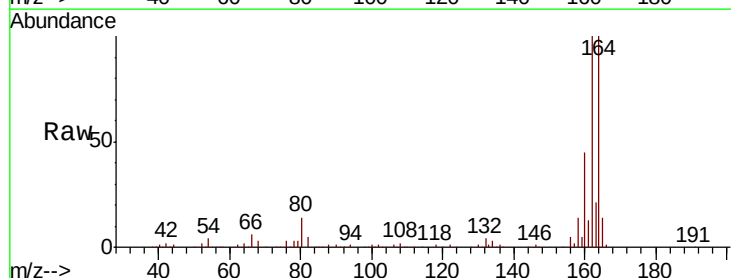
Tgt Ion: 164 Resp: 175162

Ion Ratio Lower Upper

164 100

162 100.5 80.6 120.8

160 44.8 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BG042335.D (-1880) (-)

Ion 162.00 (161.70 to 162.70): BG042335.D (-1880) (-)

Ion 160.00 (159.70 to 160.70): BG042335.D (-1880) (-)

14.67

150000

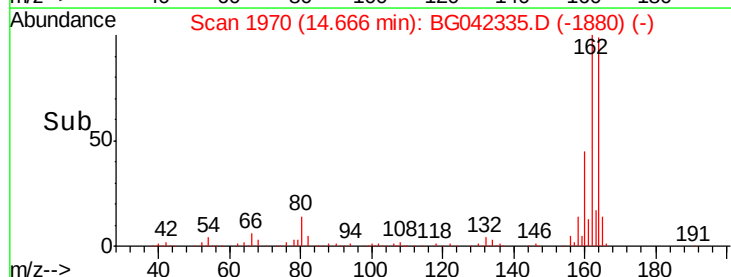
100000

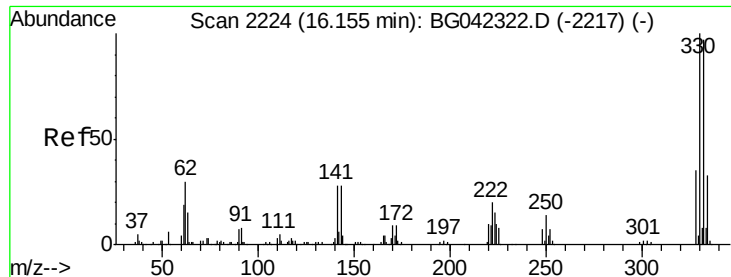
50000

0

14.60 14.67 14.80

Time-->





#42

2,4,6-Tribromophenol

Concen: 88.633 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

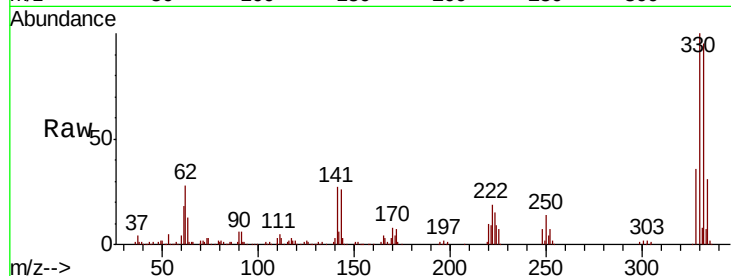
Tot Ion:330 Resp: 211450

Ion Ratio Lower Upper

330 100

332 94.4 76.9 115.3

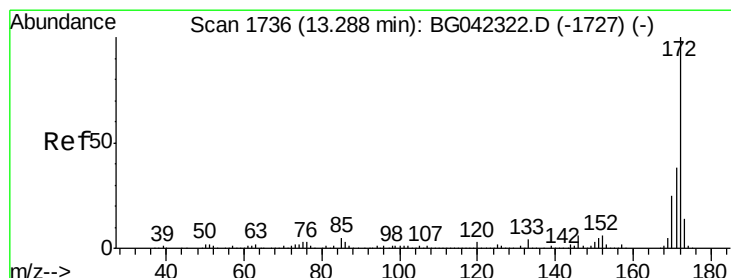
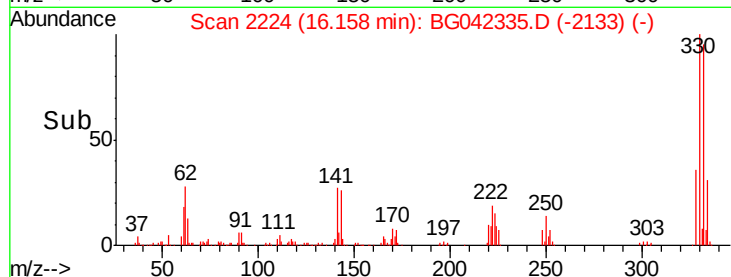
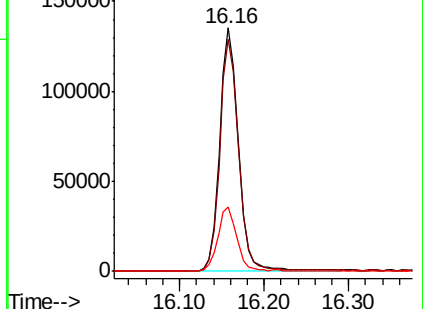
141 26.7 21.8 32.6



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: 68.295 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

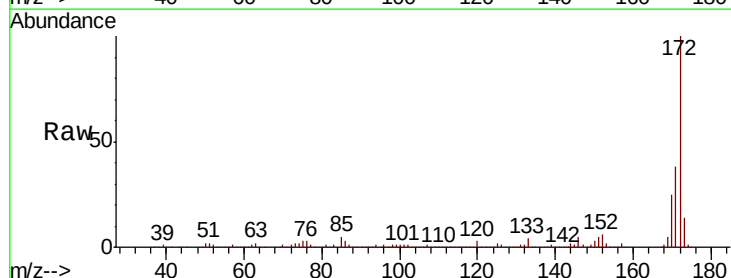
Tgt Ion:172 Resp: 706949

Ion Ratio Lower Upper

172 100

171 37.5 30.3 45.5

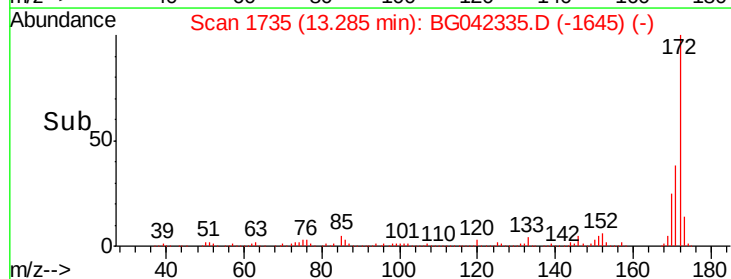
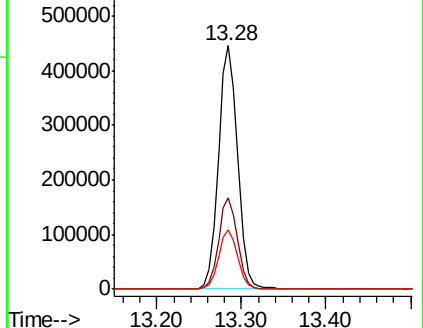
170 24.5 20.0 30.0

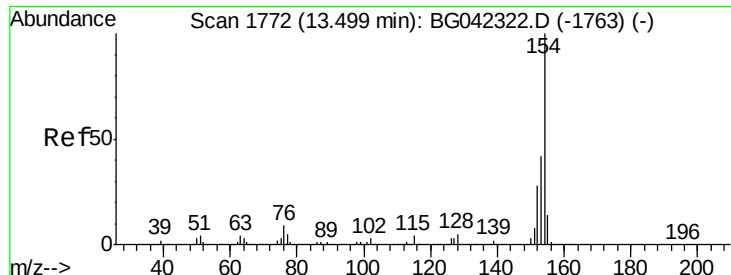


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 0.094 ng

RT: 13.50 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

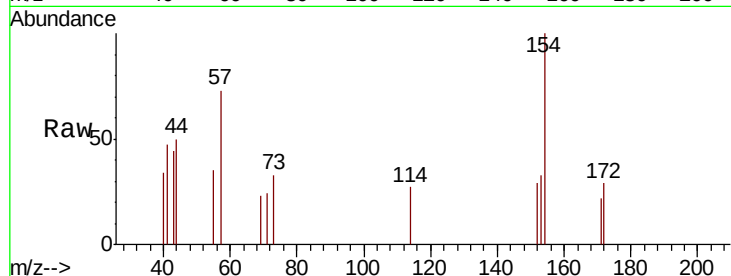
Tot Ion:154 Resp: 1078

Ion Ratio Lower Upper

154 100

153 33.3 21.9 61.9

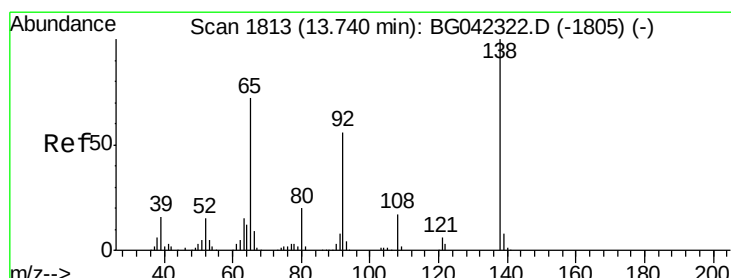
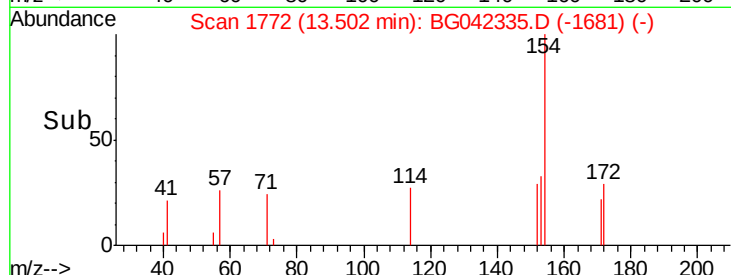
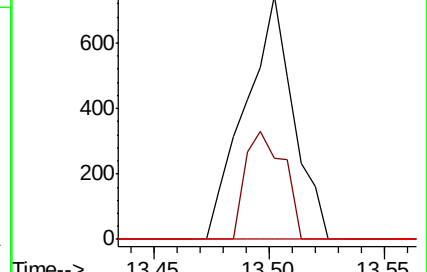
76 0.0 0.0 29.3



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



#48

2-Nitroaniline

Concen: 0.309 ng

RT: 14.10 min Scan# 1874

Delta R.T. 0.36 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

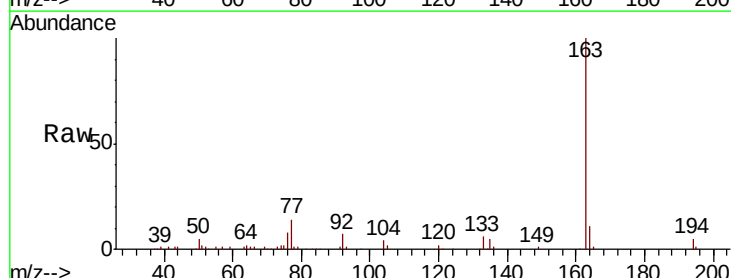
Tgt Ion: 65 Resp: 711

Ion Ratio Lower Upper

65 100

92 634.5 62.6 94.0#

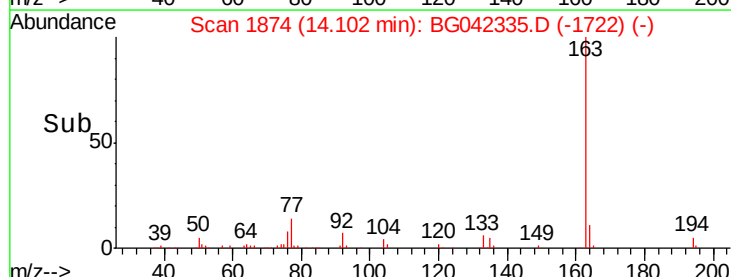
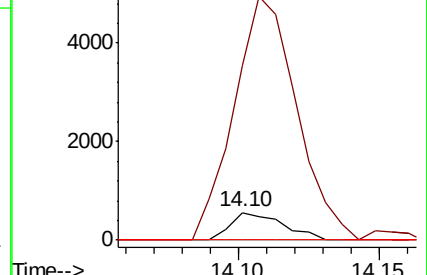
138 0.0 111.5 167.3#

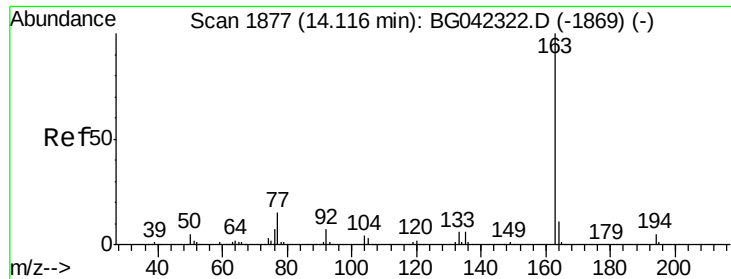


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 9.362 ng

RT: 14.11 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

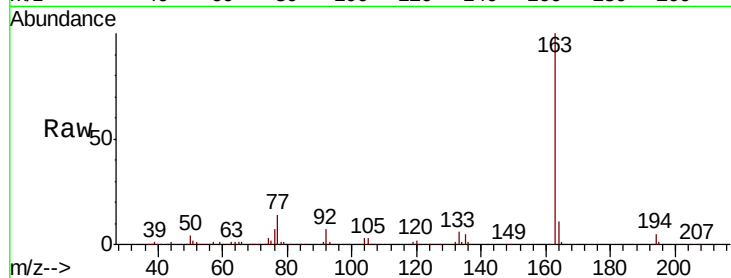
Tot Ion:163 Resp: 116528

Ion Ratio Lower Upper

163 100

194 5.1 4.2 6.2

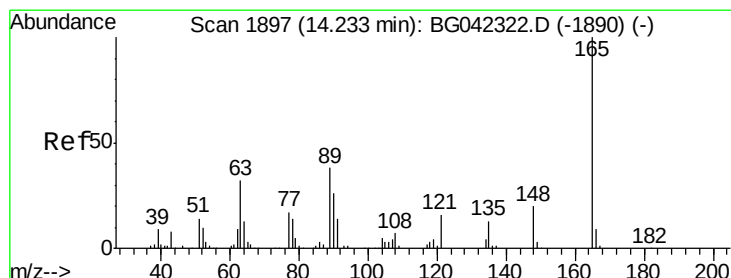
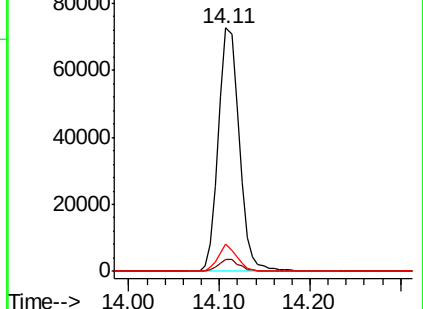
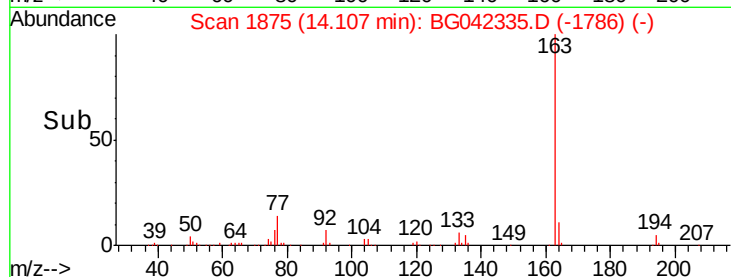
164 11.1 8.8 13.2



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: 0.459 ng

RT: 14.11 min Scan# 1876

Delta R.T. -0.12 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

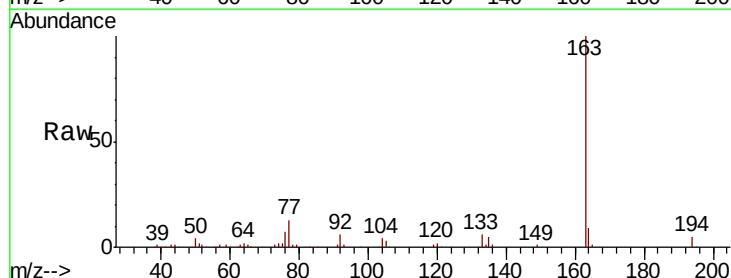
Tgt Ion:165 Resp: 1338

Ion Ratio Lower Upper

165 100

63 80.6 28.2 42.2#

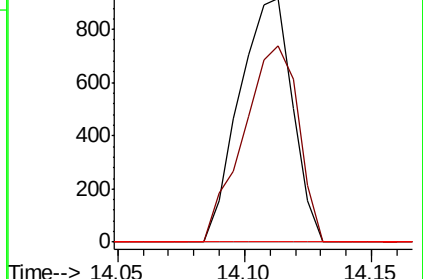
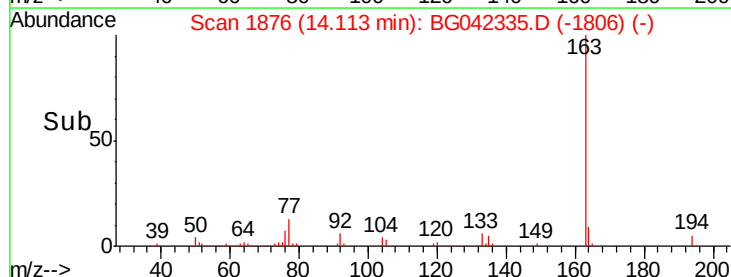
89 0.0 30.0 45.0#

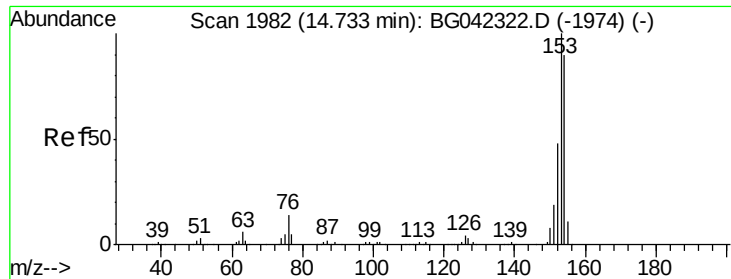


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.067 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.07 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

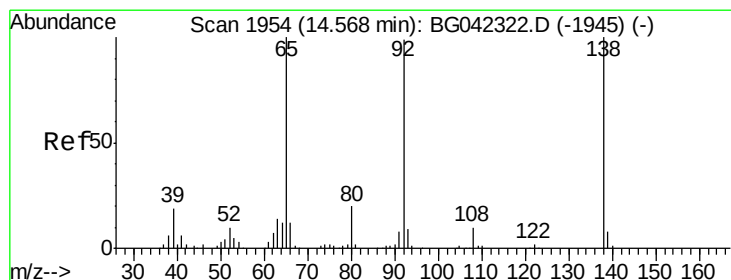
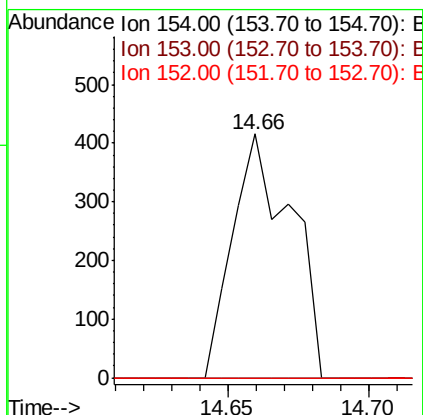
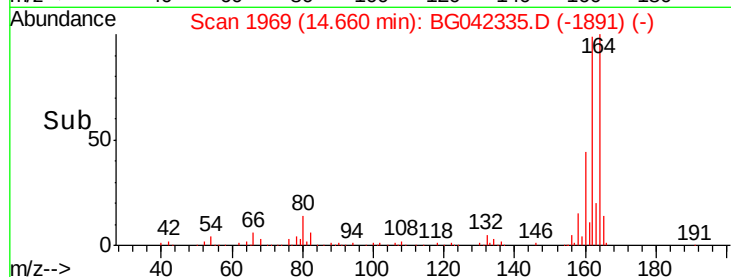
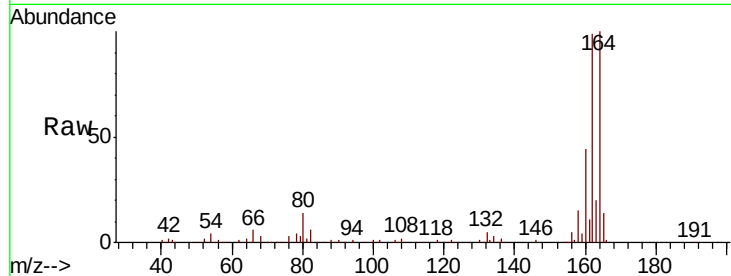
Tot Ion:154 Resp: 597

Ion Ratio Lower Upper

154 100

153 0.0 89.4 134.0#

152 0.0 43.1 64.7#



#53

3-Nitroaniline

Concen: 0.020 ng

RT: 15.02 min Scan# 2031

Delta R.T. 0.46 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

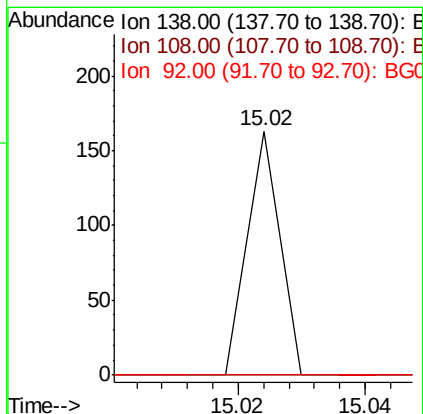
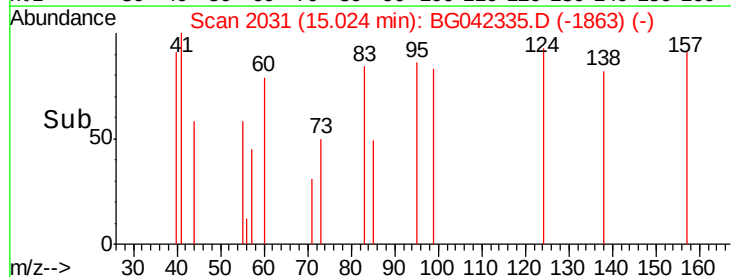
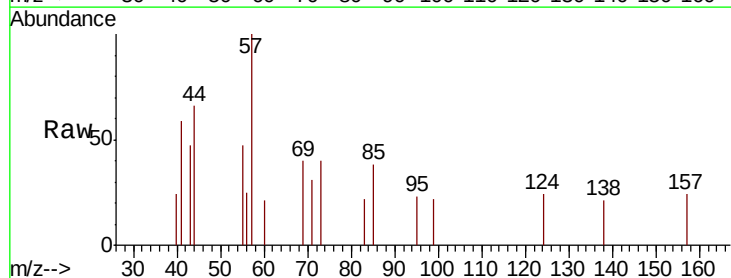
Tgt Ion:138 Resp: 57

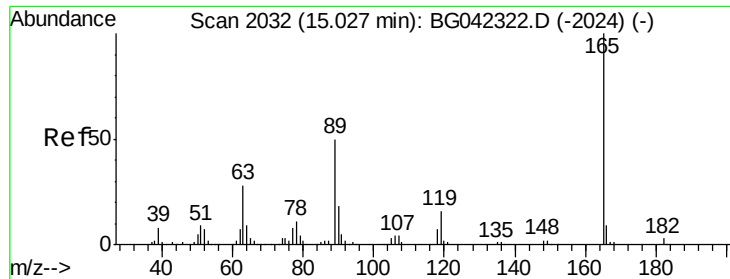
Ion Ratio Lower Upper

138 100

108 0.0 7.9 11.9#

92 0.0 79.8 119.8#

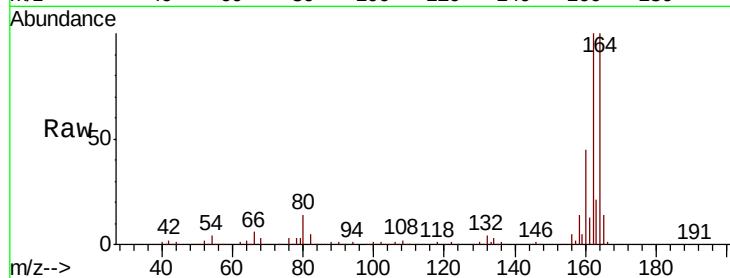




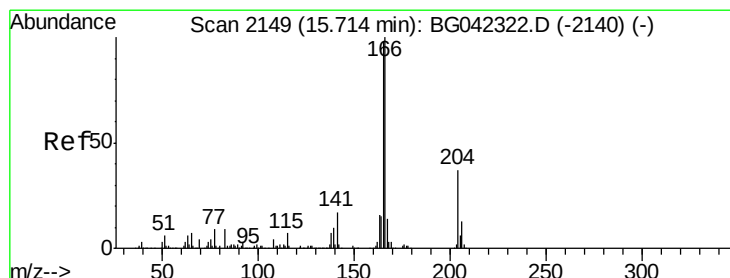
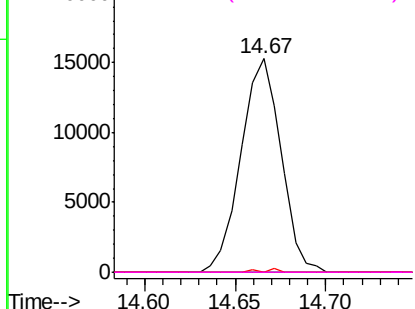
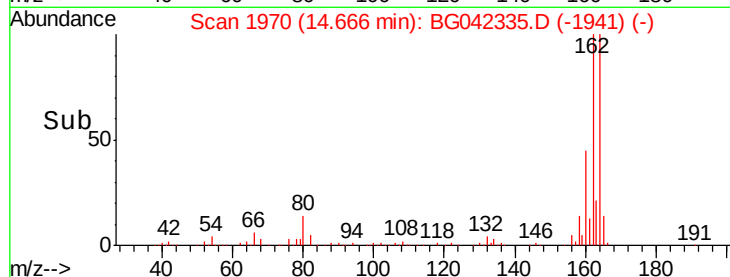
#57
 2,4-Dinitrotoluene
 Concen: 5.758 ng
 RT: 14.67 min Scan# 1970
 Delta R.T. -0.36 min
 Lab File: BG042335.D
 Acq: 19 Aug 2019 20:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	23450
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#

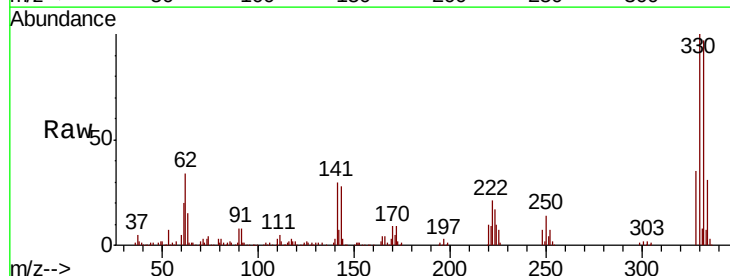


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

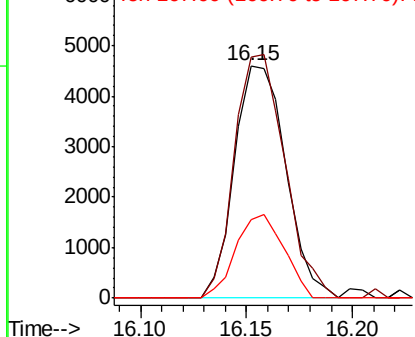
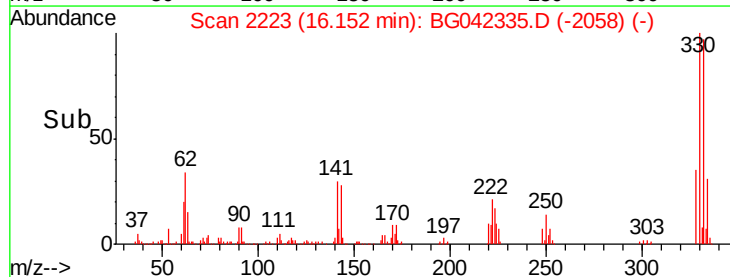


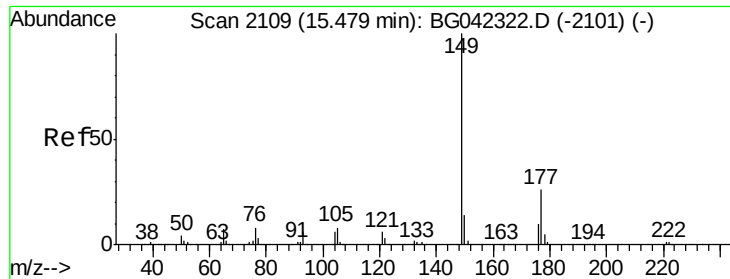
#58
 Fluorene
 Concen: 0.657 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.44 min
 Lab File: BG042335.D
 Acq: 19 Aug 2019 20:31

Tgt Ion:166	Resp:	7773
Ion Ratio	Lower	Upper
166	100	
165	103.8	78.7 118.1
167	39.1	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: 0.028 ng

RT: 15.47 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

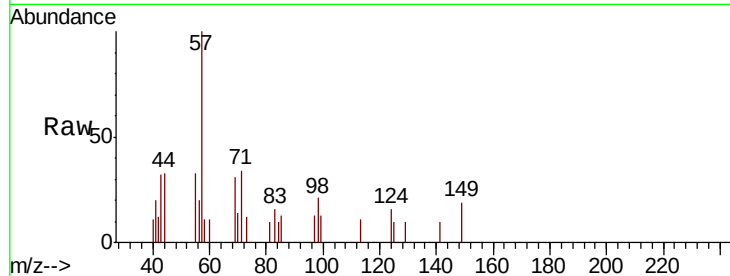
Tot Ion:149 Resp: 335

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

15.47

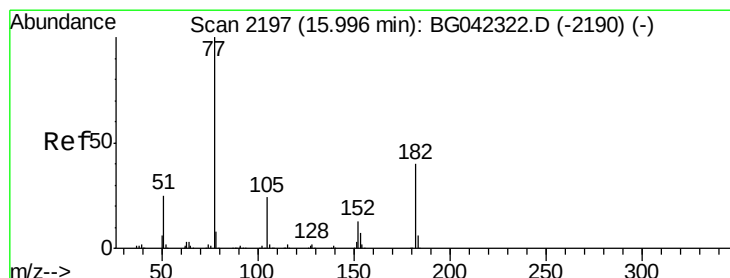
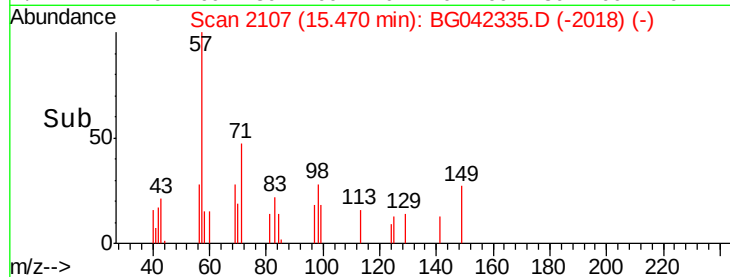
300

200

100

0

Time--> 15.44 15.46 15.48 15.50



#63

Azobenzene

Concen: 0.077 ng

RT: 16.16 min Scan# 2225

Delta R.T. 0.17 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Tgt Ion: 77 Resp: 643

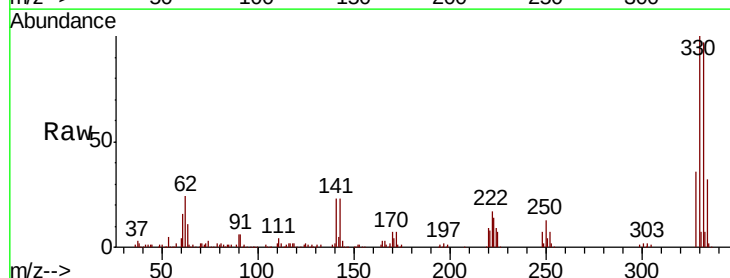
Ion Ratio Lower Upper

77 100

182 0.0 19.7 59.7#

105 73.6 3.5 43.5#

51 39.8 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

16.16

800

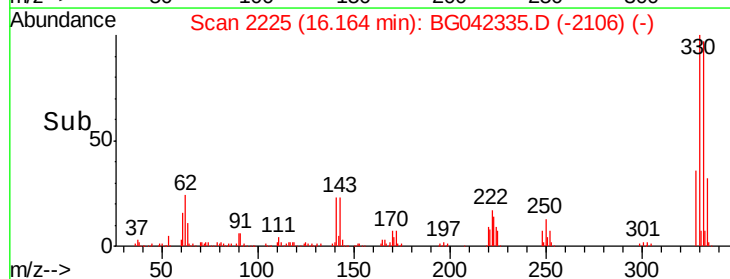
600

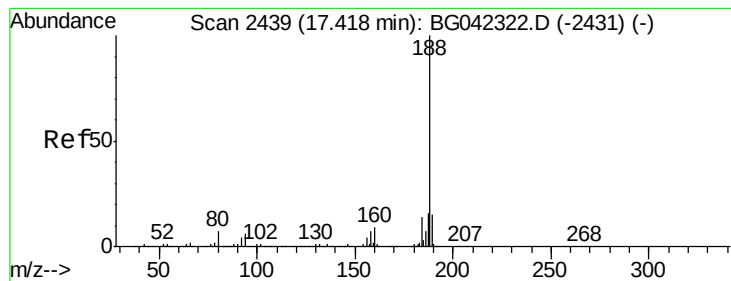
400

200

0

Time--> 16.10 16.15





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

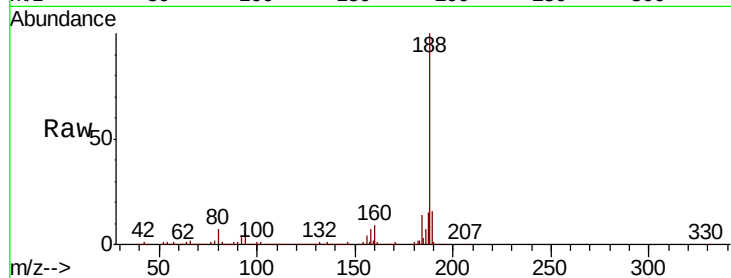
Tot Ion:188 Resp: 391464

Ion Ratio Lower Upper

188 100

94 5.8 4.9 7.3

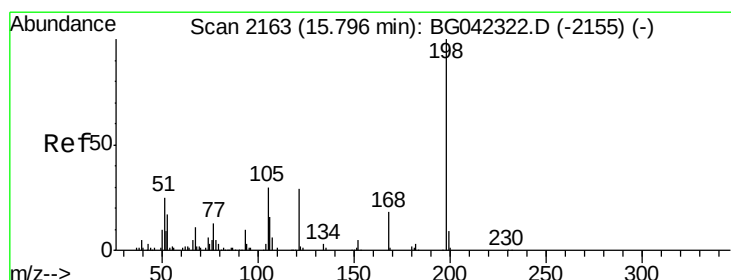
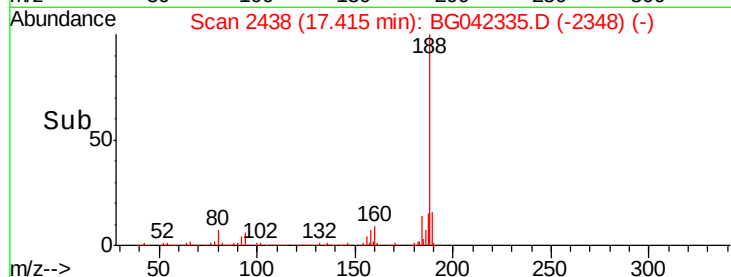
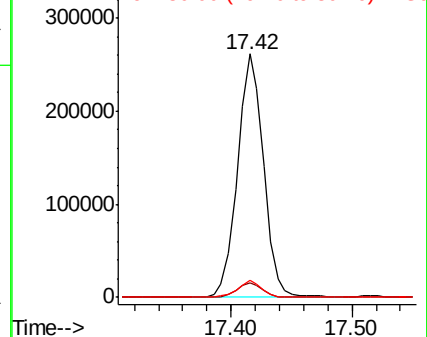
80 6.8 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 0.193 ng

RT: 16.15 min Scan# 2223

Delta R.T. 0.36 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

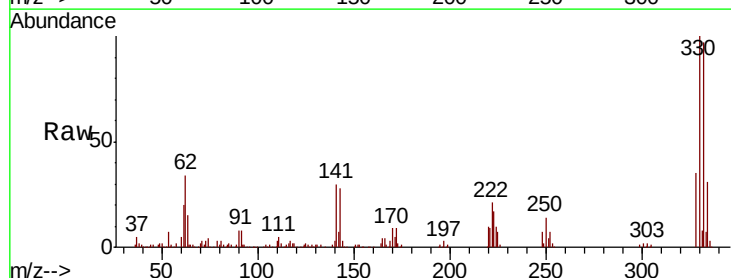
Tgt Ion:198 Resp: 461

Ion Ratio Lower Upper

198 100

51 86.9 6.4 46.4#

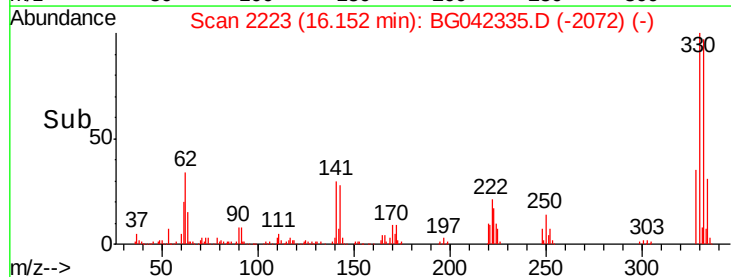
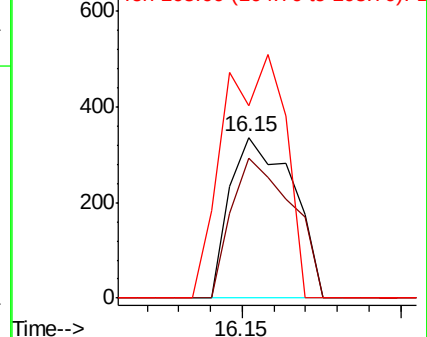
105 119.3 10.0 50.0#

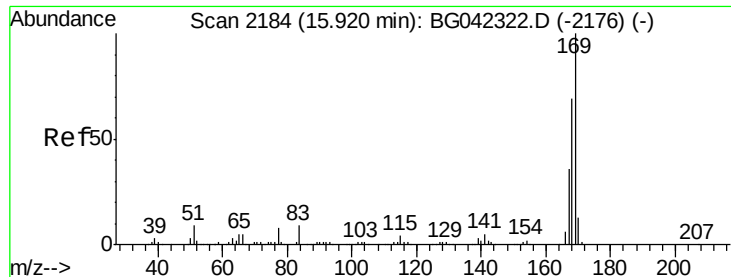


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

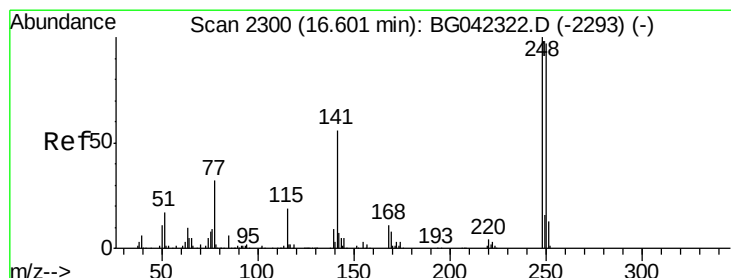
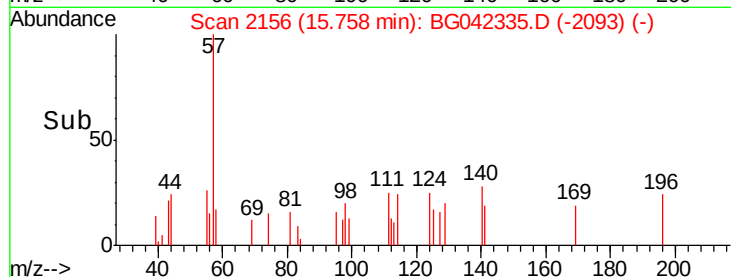
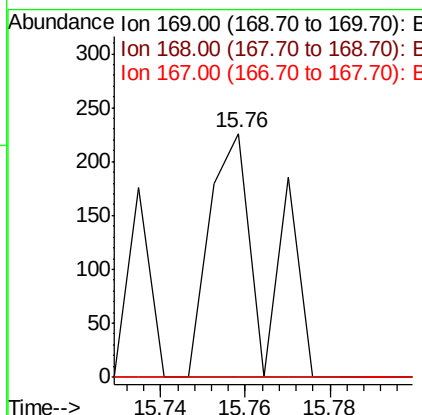
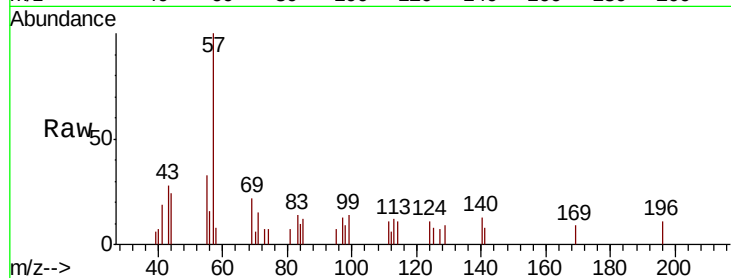




#66
 n-Nitrosodiphenylamine
 Concen: 0.019 ng
 RT: 15.76 min Scan# 2156
 Delta R.T. -0.16 min
 Lab File: BG042335.D
 Acq: 19 Aug 2019 20:31

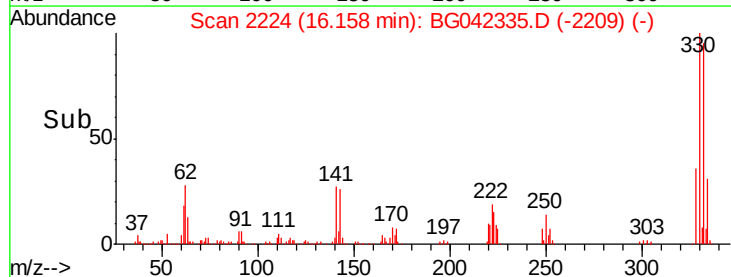
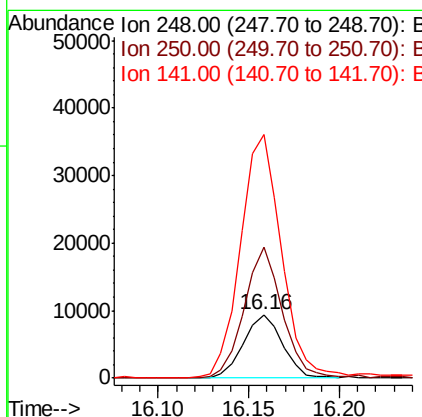
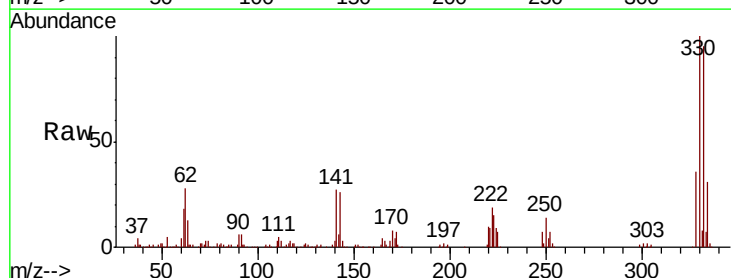
Instrument :
 BNA_G
 ClientSampleId :

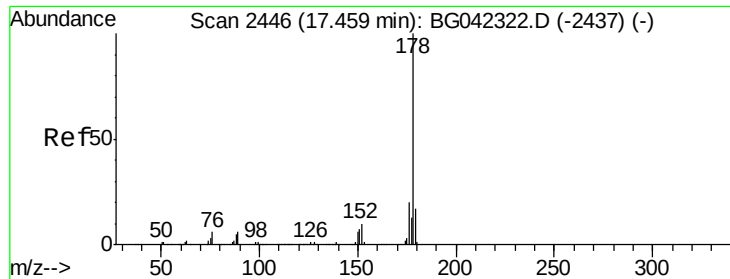
Tot Ion:169 Resp: 208
 Ion Ratio Lower Upper
 169 100
 168 0.0 55.5 83.3#
 167 0.0 28.9 43.3#



#67
 4-Bromophenyl-phenylether
 Concen: 2.799 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.44 min
 Lab File: BG042335.D
 Acq: 19 Aug 2019 20:31

Tgt Ion:248 Resp: 13946
 Ion Ratio Lower Upper
 248 100
 250 206.2 78.0 117.0#
 141 384.2 44.9 67.3#

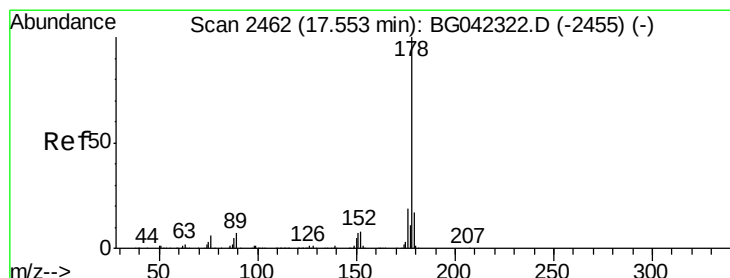
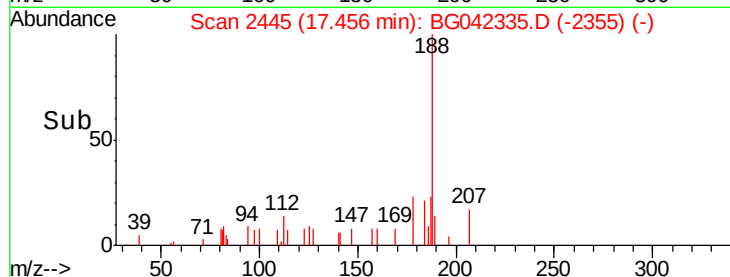
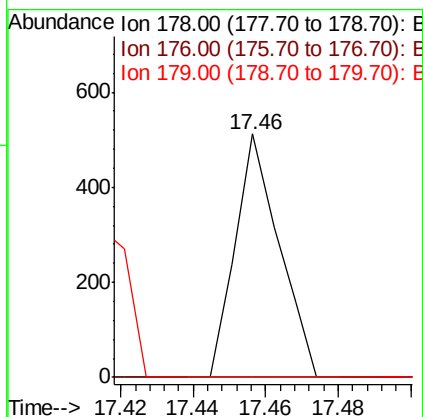
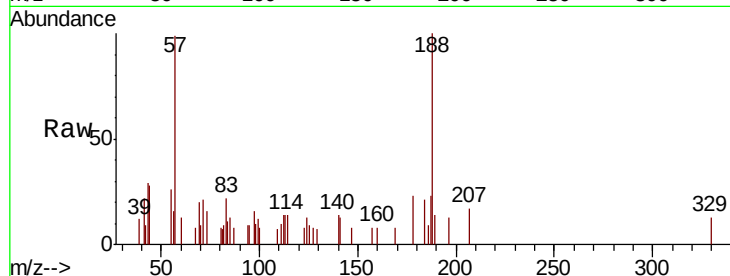




#71
Phenanthrene
Concen: 0.022 ng
RT: 17.46 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

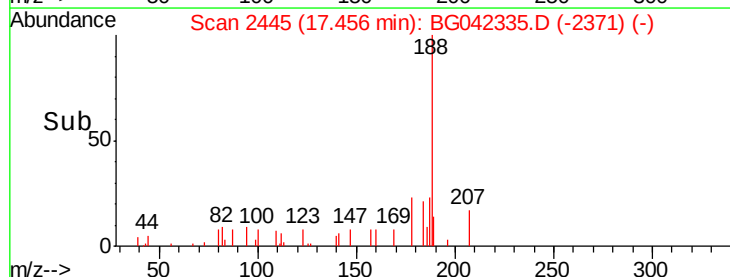
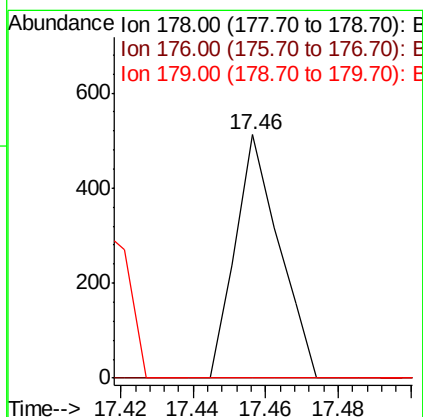
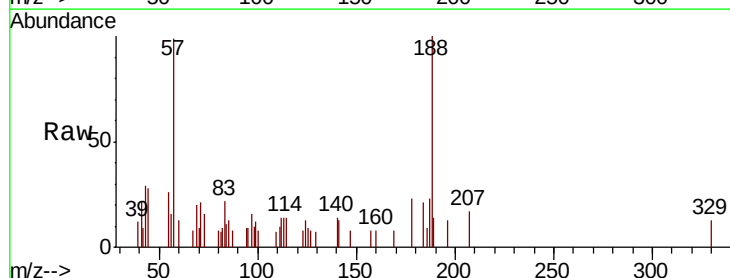
Instrument :
BNA_G
ClientSampleId :

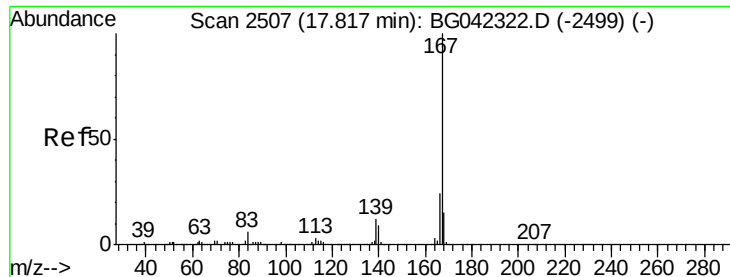
Tot Ion:178 Resp: 430
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 13.7 20.5#



#72
Anthracene
Concen: 0.022 ng
RT: 17.46 min Scan# 2445
Delta R.T. -0.10 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

Tgt Ion:178 Resp: 430
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 13.6 20.4#





#73

Carbazole

Concen: 0.003 ng

RT: 17.83 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

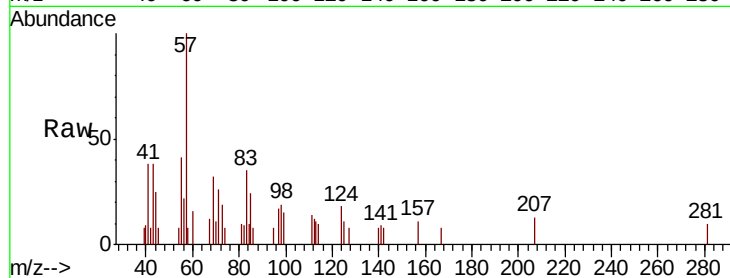
Tot Ion:167 Resp: 59

Ion Ratio Lower Upper

167 100

166 0.0 19.0 28.6#

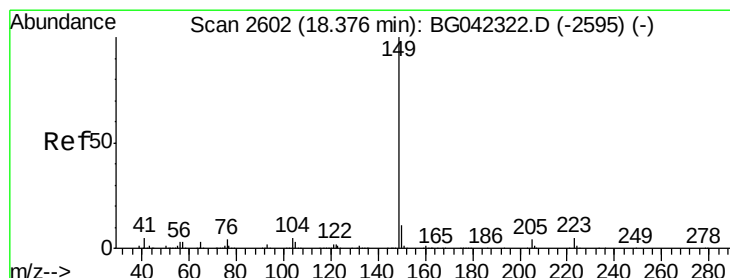
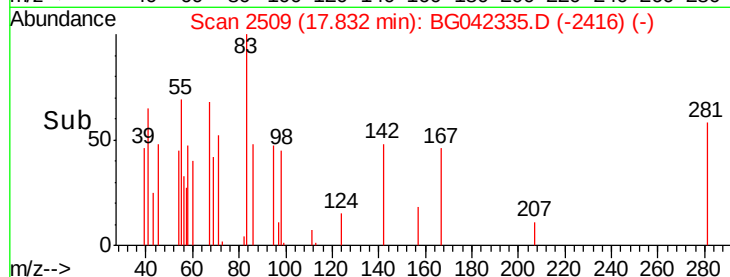
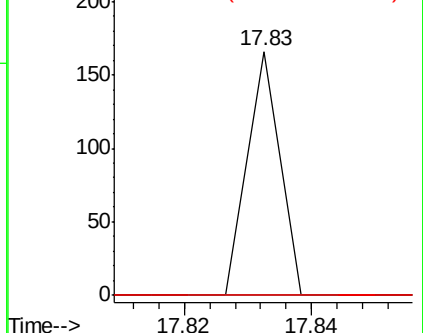
139 0.0 9.7 14.5#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 0.086 ng

RT: 18.38 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

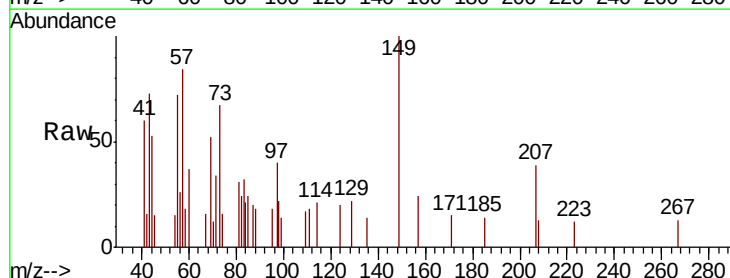
Tgt Ion:149 Resp: 1731

Ion Ratio Lower Upper

149 100

150 0.0 8.4 12.6#

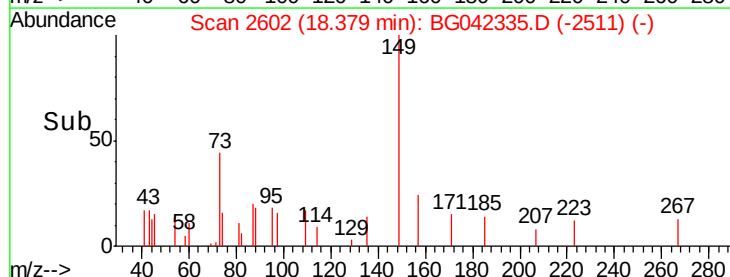
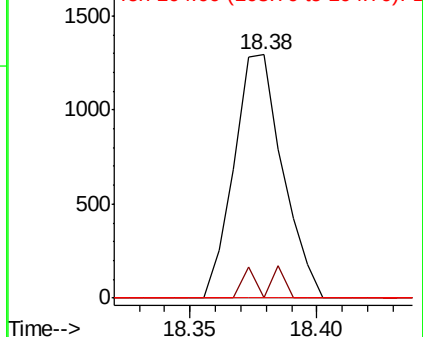
104 0.0 3.7 5.5#

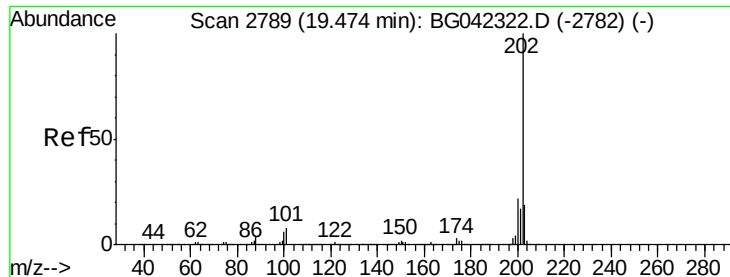


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.063 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

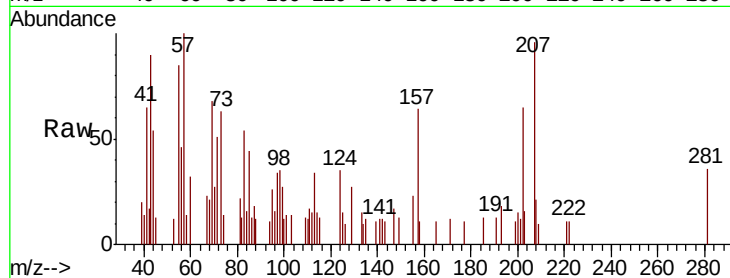
Tot Ion:202 Resp: 1479

Ion Ratio Lower Upper

202 100

101 21.5 0.0 28.0

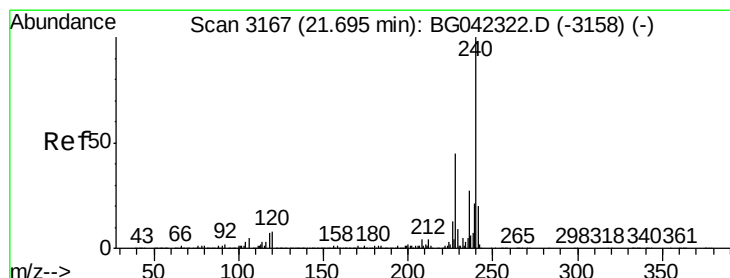
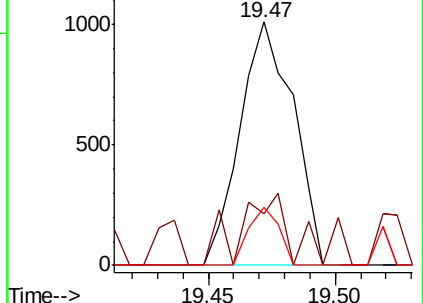
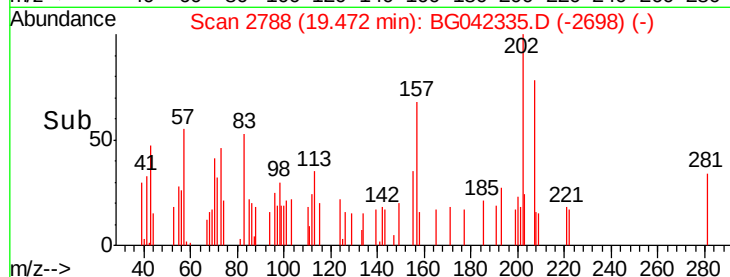
203 23.7 0.0 39.1



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. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

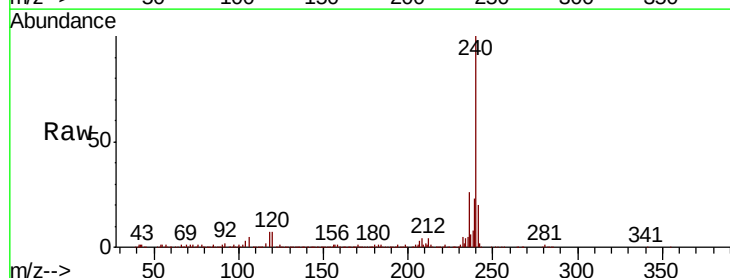
Tgt Ion:240 Resp: 401947

Ion Ratio Lower Upper

240 100

120 7.1 6.0 9.0

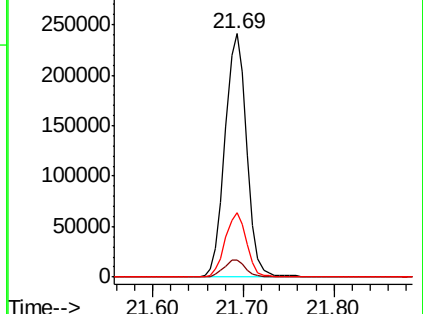
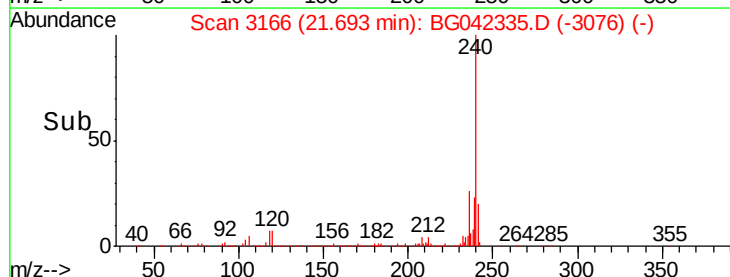
236 26.3 21.6 32.4

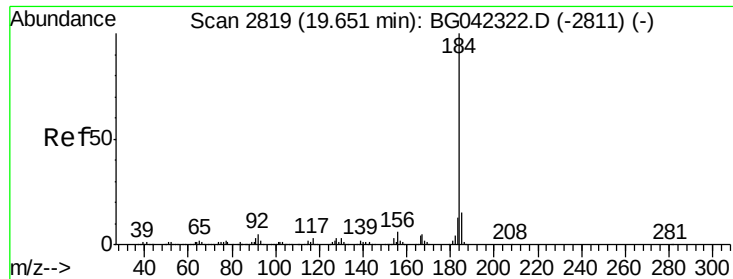


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 1.432 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.38 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

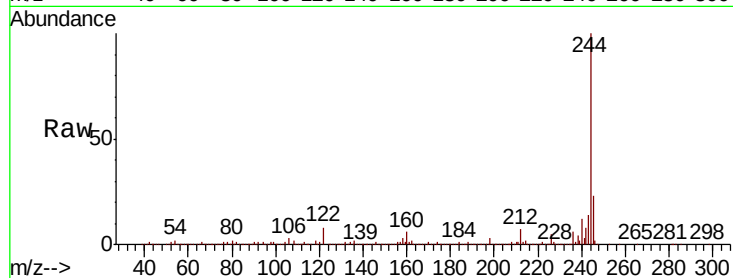
Tot Ion:184 Resp: 15263

Ion Ratio Lower Upper

184 100

185 18.5 11.8 17.6#

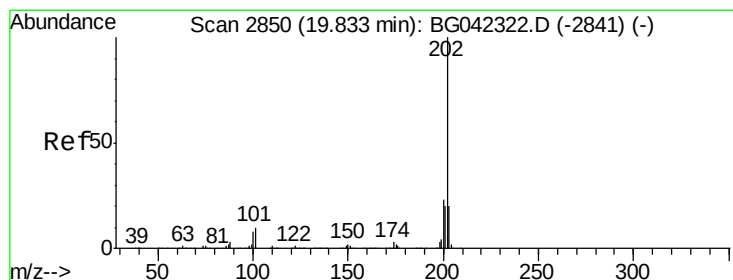
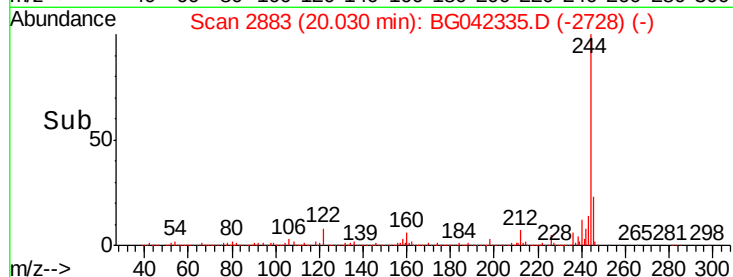
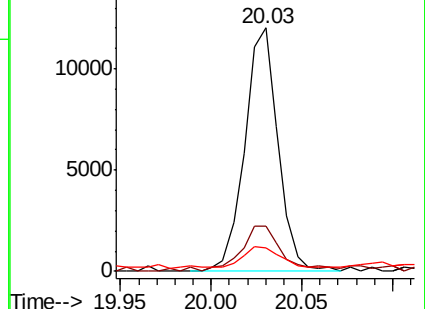
183 9.8 10.6 15.8#



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: 0.059 ng

RT: 19.84 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

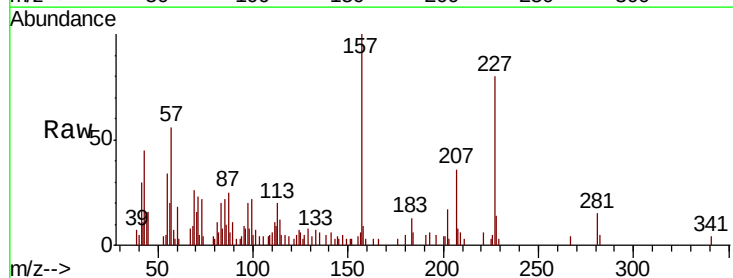
Tgt Ion:202 Resp: 1460

Ion Ratio Lower Upper

202 100

200 22.1 18.1 27.1

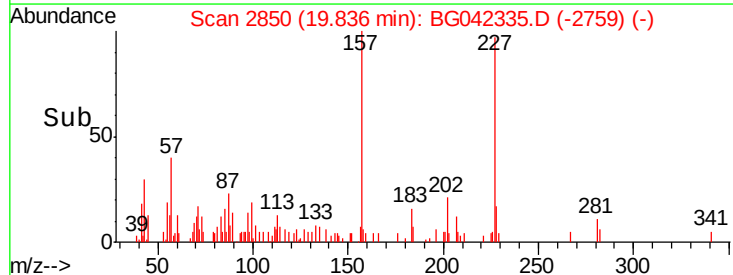
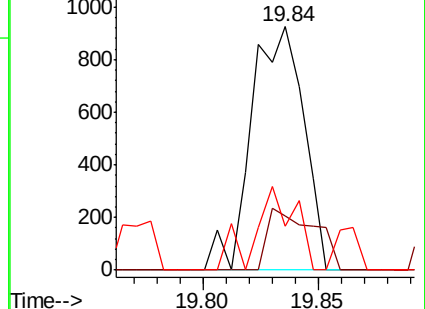
203 17.9 15.8 23.8

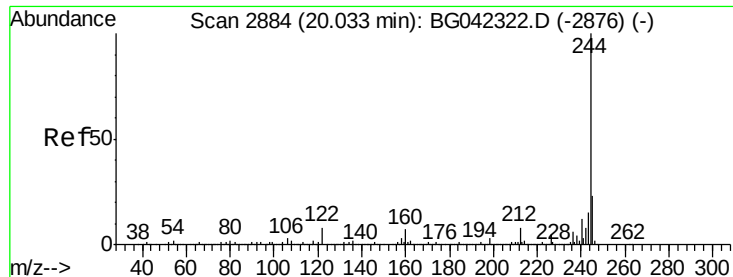


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.719 ng

RT: 20.03 min Scan# 2883

Delta R.T. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

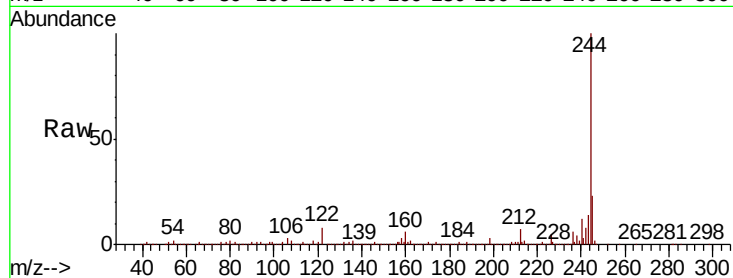
Tot Ion:244 Resp: 1169322

Ion Ratio Lower Upper

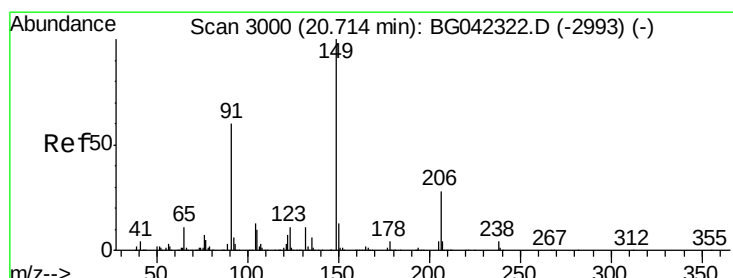
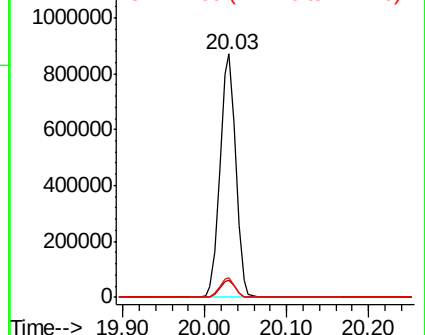
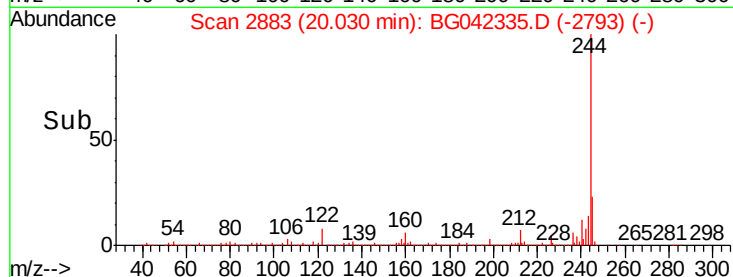
244 100

212 7.3 6.4 9.6

122 8.1 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: 0.085 ng

RT: 20.72 min Scan# 3000

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

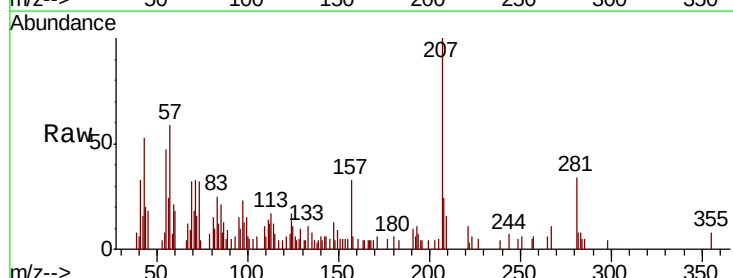
Tgt Ion:149 Resp: 832

Ion Ratio Lower Upper

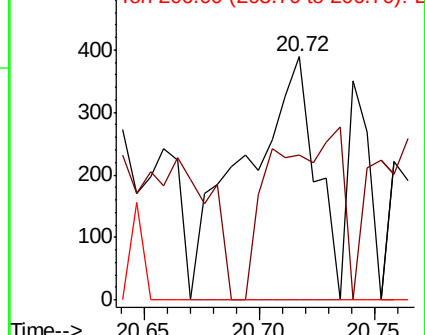
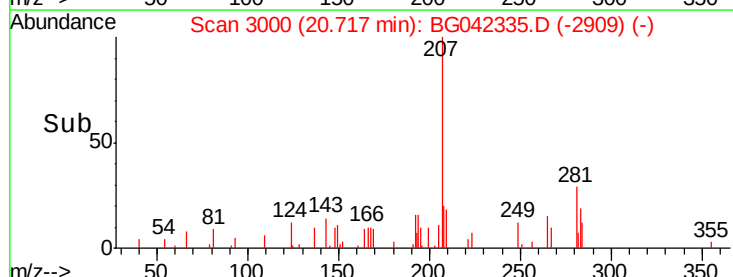
149 100

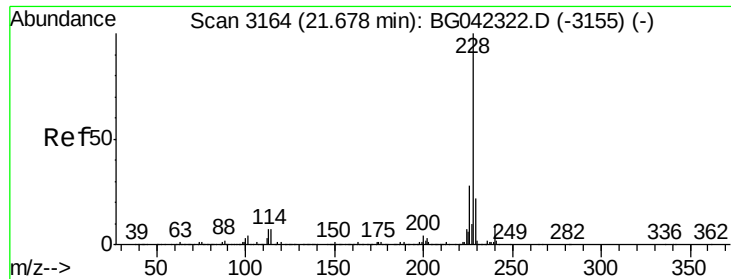
91 59.6 47.8 71.6

206 0.0 22.6 33.8#



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





#81

Benzo(a)anthracene

Concen: 0.079 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG042335.D

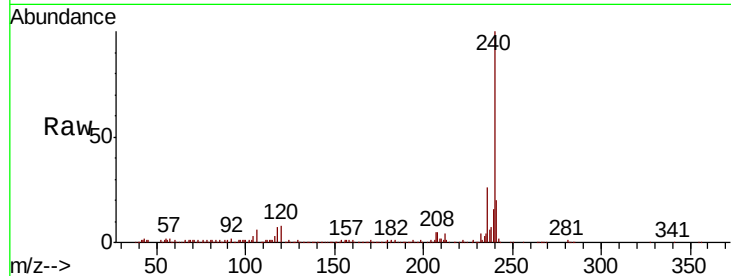
Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

Tot Ion:228	Resp:	1952	
Ion Ratio	Lower	Upper	
228	100		
226	0.0	22.7	34.1#
229	34.4	17.4	26.2#

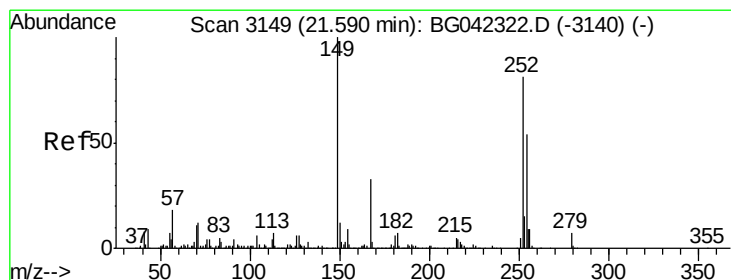
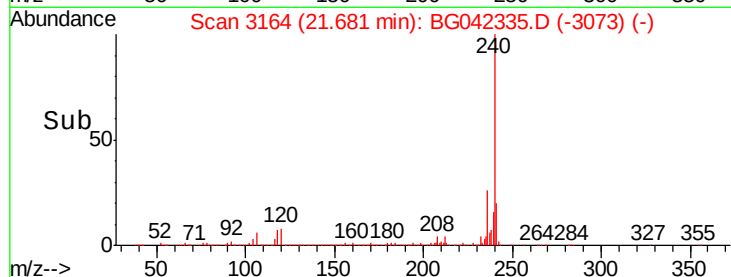
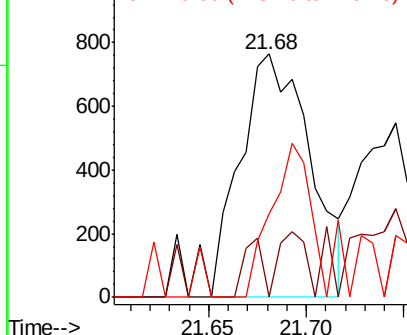


Abundance

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: 0.016 ng

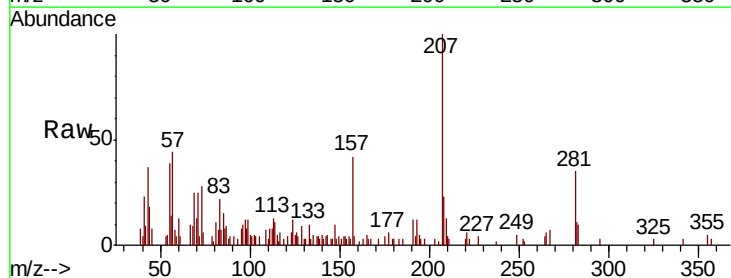
RT: 21.61 min Scan# 3152

Delta R.T. 0.02 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Tgt	Ion:252	Resp:	162
Ion	Ratio	Lower	Upper
252	100		
254	0.0	53.0	79.6#
126	233.1	6.2	9.2#

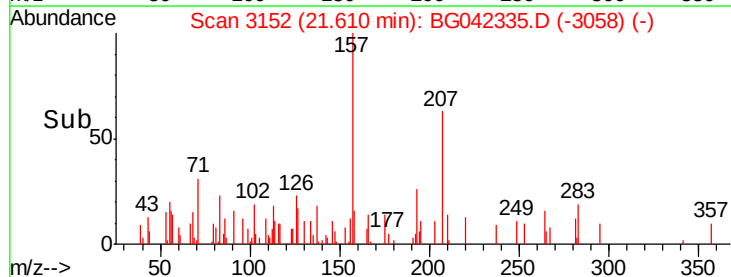
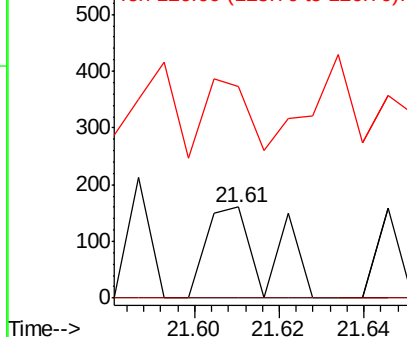


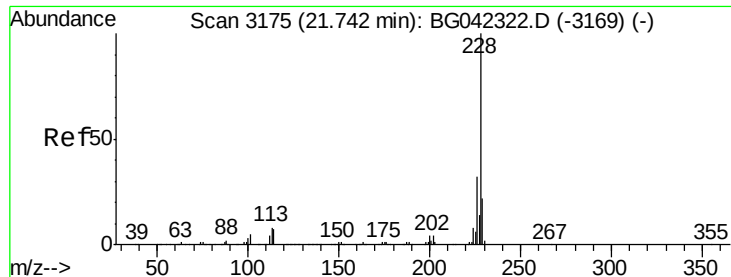
Abundance

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: 0.041 ng

RT: 21.75 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

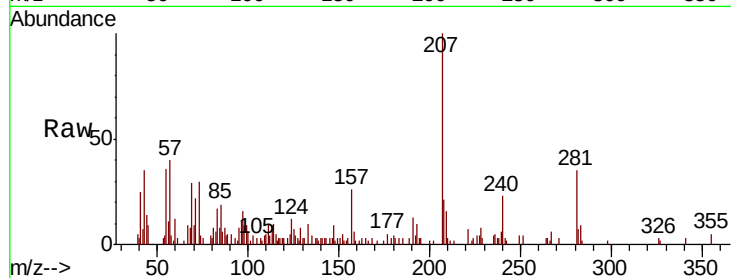
Instrument :

BNA_G

ClientSampled :

Tot Ion:228 Resp: 969

Ion	Ratio	Lower	Upper
228	100		
226	50.9	25.6	38.4#
229	35.6	17.8	26.6#

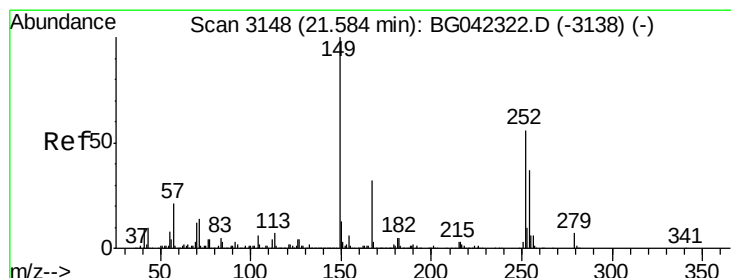
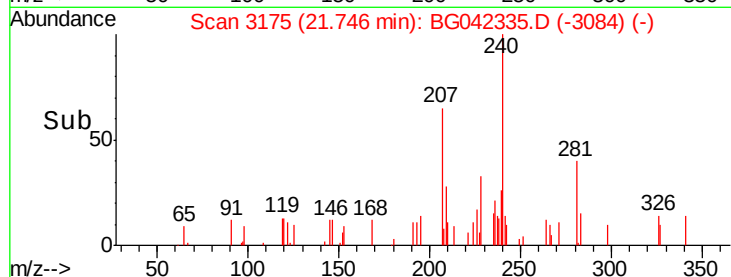
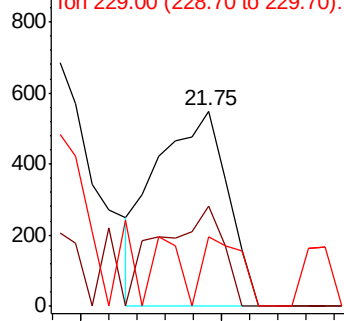


Abundance

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: 0.108 ng

RT: 21.58 min Scan# 3147

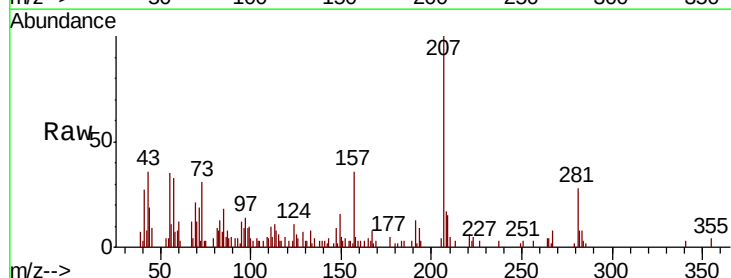
Delta R.T. -0.00 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Tgt Ion:149 Resp: 1482

Ion	Ratio	Lower	Upper
149	100		
167	49.5	25.4	38.0#
279	14.4	5.8	8.6#

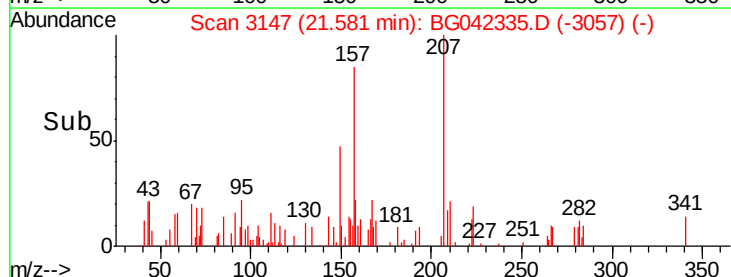
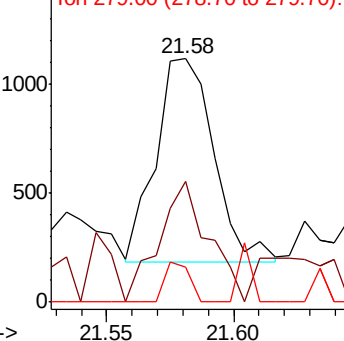


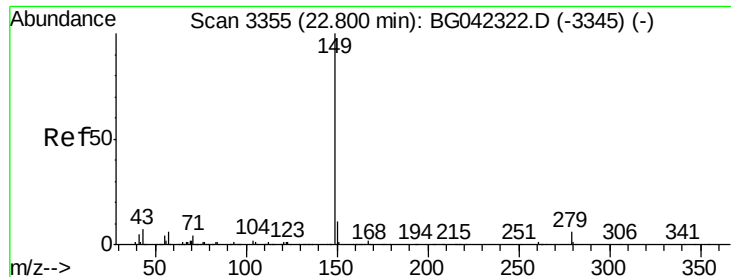
Abundance

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

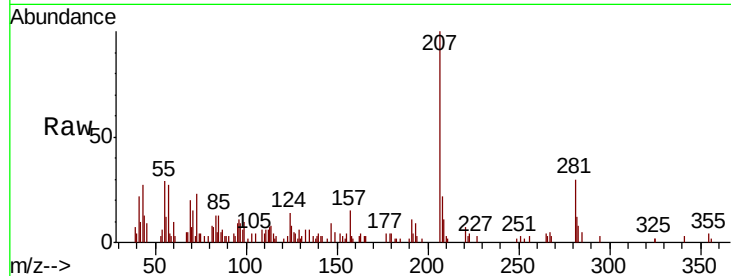




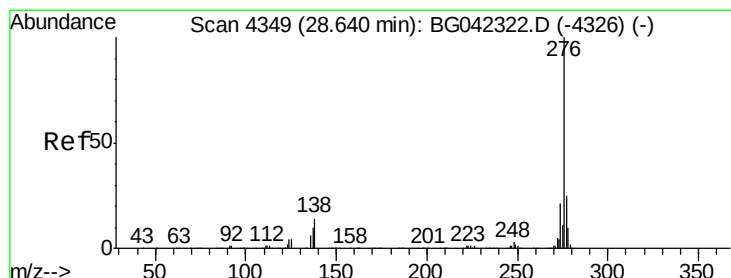
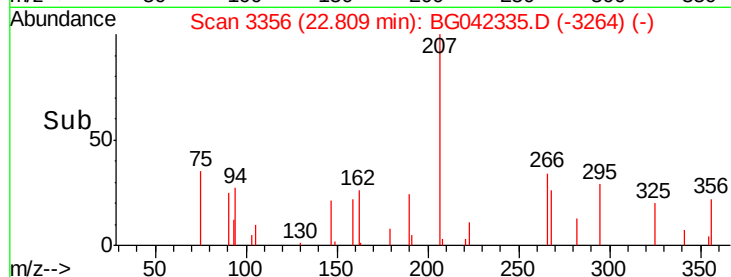
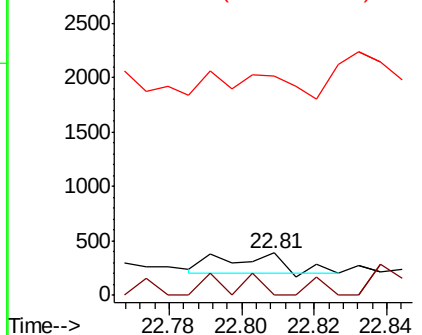
#85
Di-n-octyl phthalate
Concen: 0.010 ng
RT: 22.81 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	1.4	2.2#
43	0.0	5.4	8.2#

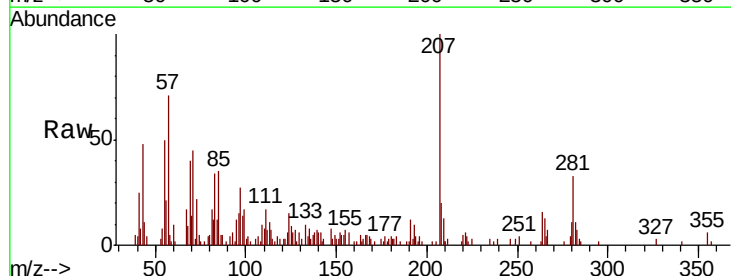


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

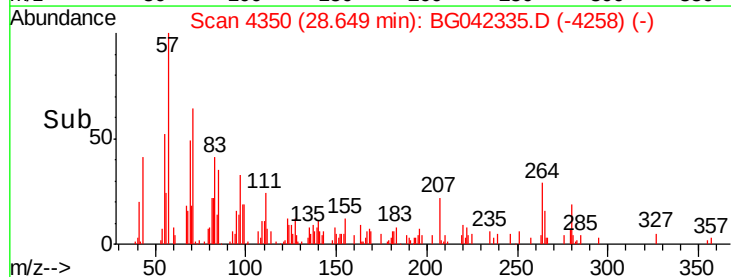
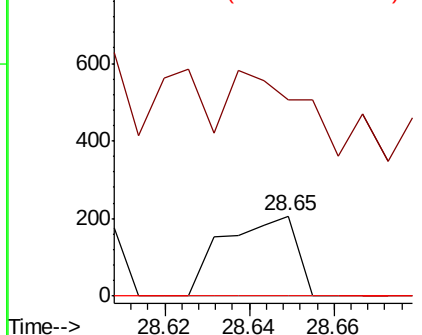


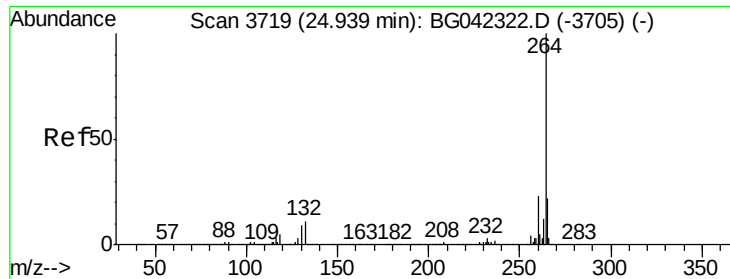
#86
Indeno(1,2,3-cd)pyrene
Concen: 0.008 ng
RT: 28.65 min Scan# 4350
Delta R.T. 0.01 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

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



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

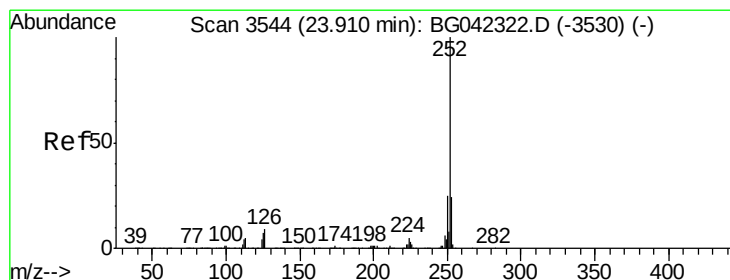
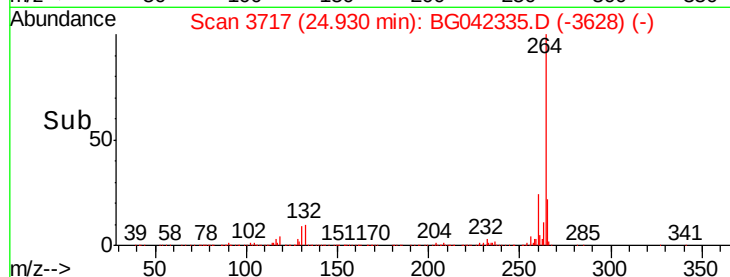
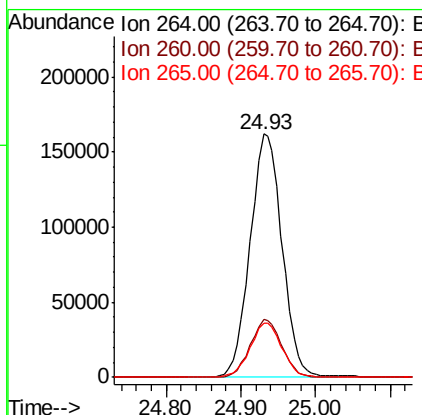
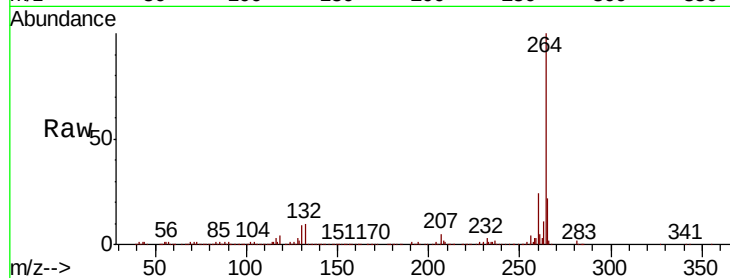




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3717
Delta R.T. -0.01 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

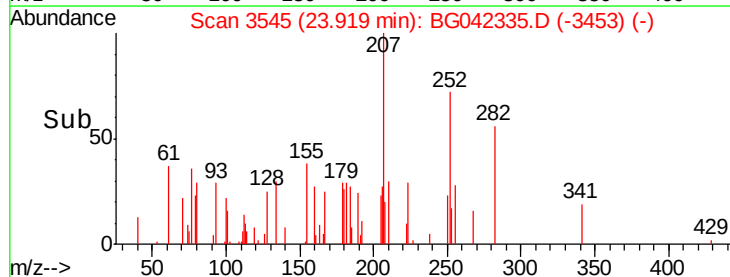
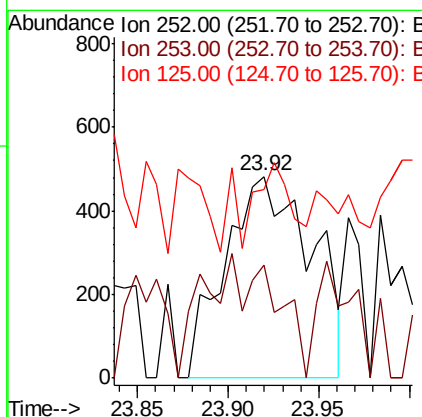
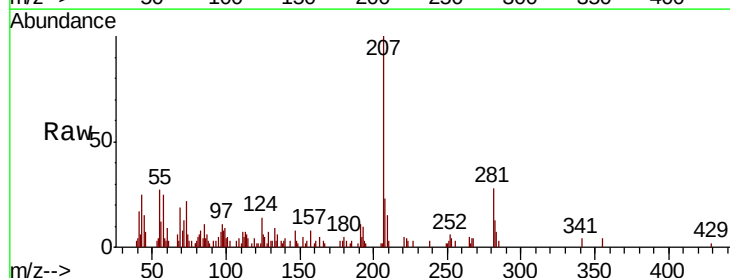
Instrument :
BNA_G
ClientSampleId :

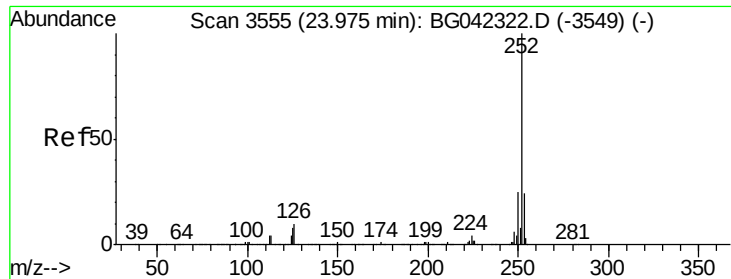
Tot Ion:264 Resp: 480624
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 22.4 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 0.061 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG042335.D
Acq: 19 Aug 2019 20:31

Tgt Ion:252 Resp: 1610
Ion Ratio Lower Upper
252 100
253 55.9 18.9 28.3#
125 93.2 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 0.020 ng

RT: 23.98 min Scan# 3556

Delta R.T. 0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampled :

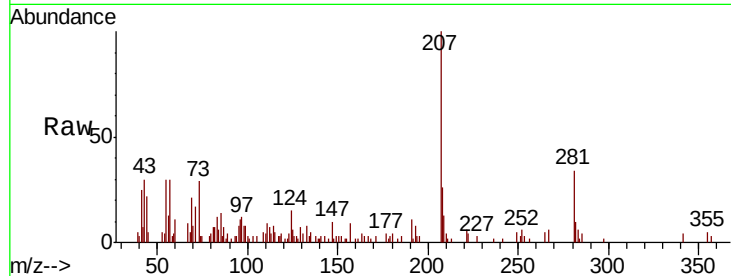
Tot Ion:252 Resp: 510

Ion Ratio Lower Upper

252 100

253 48.7 19.0 28.4#

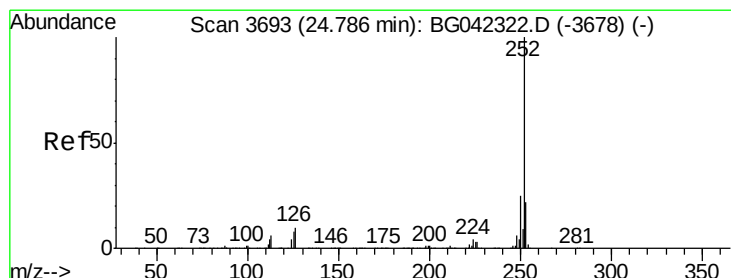
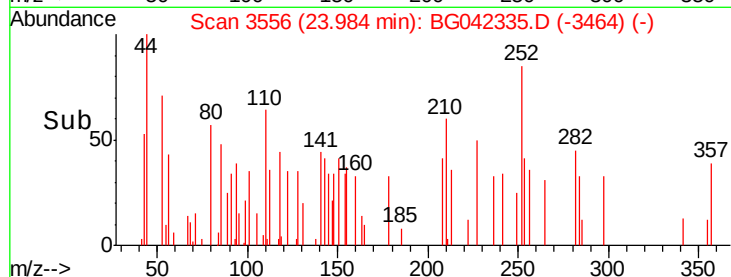
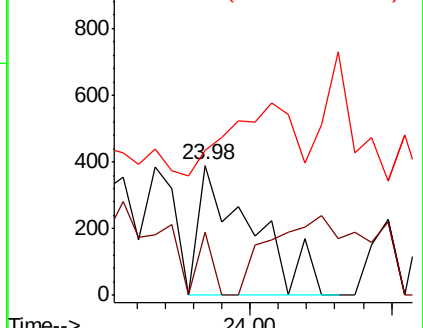
125 111.0 6.0 9.0#



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: 0.024 ng

RT: 24.77 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

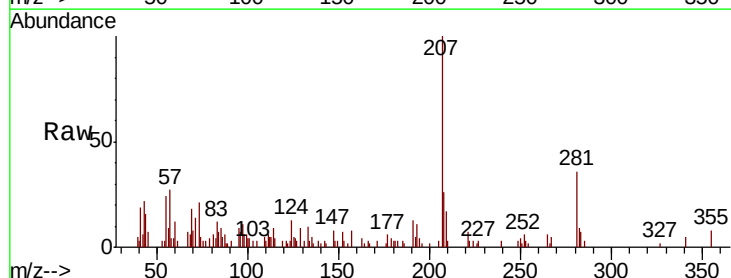
Tgt Ion:252 Resp: 608

Ion Ratio Lower Upper

252 100

253 54.7 17.9 26.9#

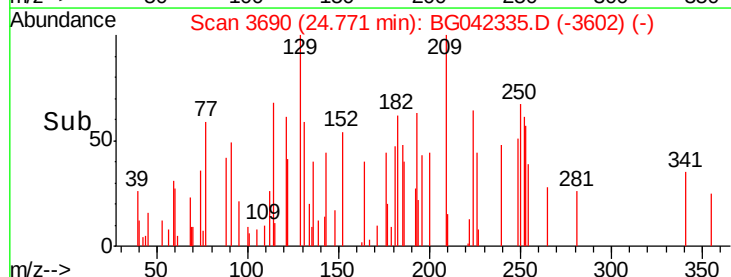
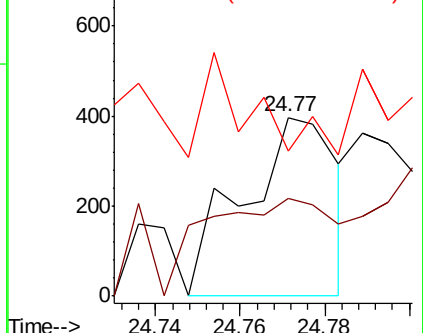
125 80.9 6.7 10.1#

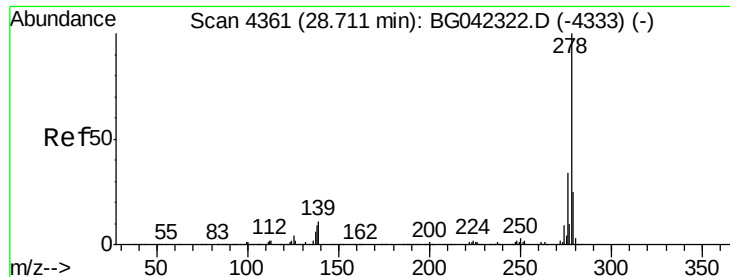


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 0.002 ng

RT: 28.72 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

Instrument :

BNA_G

ClientSampleId :

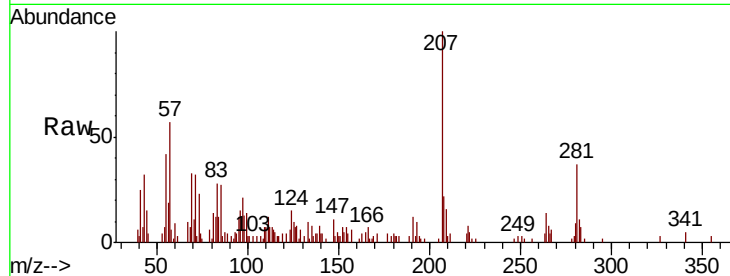
Tot Ion:278 Resp: 60

Ion Ratio Lower Upper

278 100

139 377.8 8.5 12.7#

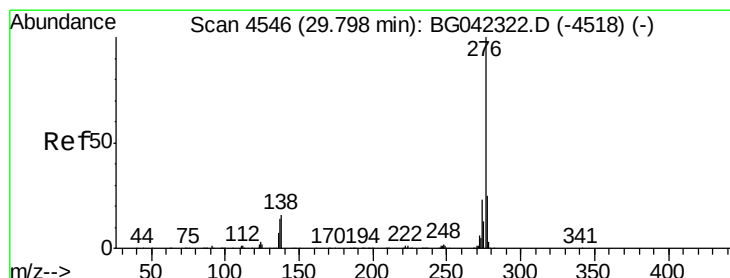
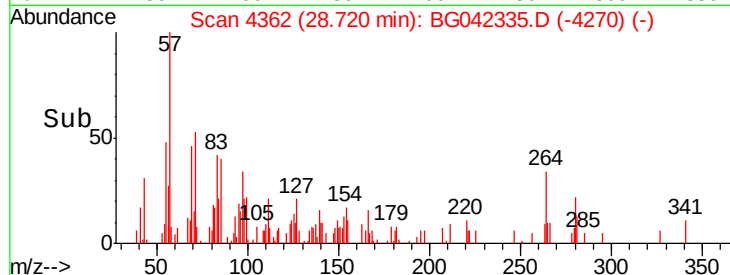
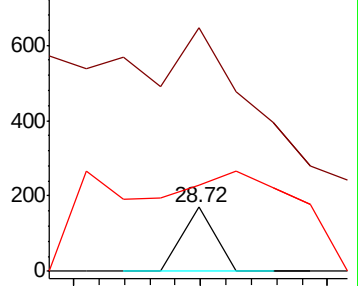
279 134.5 19.8 29.8#



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: 0.002 ng

RT: 29.78 min Scan# 4543

Delta R.T. -0.01 min

Lab File: BG042335.D

Acq: 19 Aug 2019 20:31

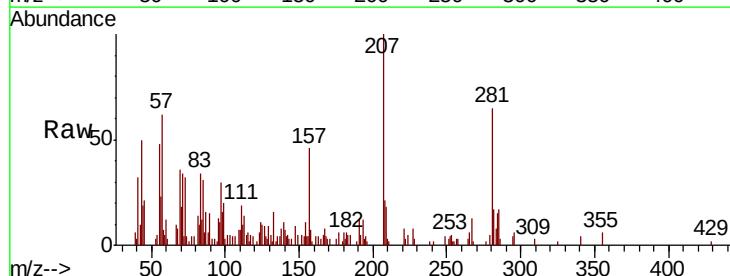
Tgt Ion:276 Resp: 56

Ion Ratio Lower Upper

276 100

277 0.0 19.8 29.8#

138 345.0 12.8 19.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

