

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032119\
 Data File : BG040071.D
 Acq On : 21 Mar 2019 18:31
 Operator : JU/SJ
 Sample : K1690-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-032019

Quant Time: Mar 22 01:34:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	40250	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	172516	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	124662	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	312744	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	314115	20.00	ng	-0.03
87) Perylene-d12	25.16	264	310738	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.69	112	295338	125.18	ng	-0.02
7) Phenol-d6	7.29	99	385883	109.69	ng	-0.02
23) Nitrobenzene-d5	9.32	82	292931	91.83	ng	-0.03
42) 2,4,6-Tribromophenol	16.26	330	195096	134.27	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	732710	83.69	ng	-0.03
79) Terphenyl-d14	20.11	244	1236868	86.70	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.28	88	4072	3.738	ng	# 1
4) n-Nitrosodimethylamine	3.92	42	298	0.215	ng	# 1
6) Aniline	7.68	93	414	0.090	ng	# 1
8) 2-Chlorophenol	7.68	128	72	0.025	ng	# 1
9) Benzaldehyde	7.29	77	647	0.285	ng	# 4
10) Phenol	7.67	94	879	0.231	ng	# 1
11) bis(2-Chloroethyl)ether	7.68	93	414	0.139	ng	# 1
12) 1,3-Dichlorobenzene	8.17	146	570	0.176	ng	# 65
13) 1,4-Dichlorobenzene	8.17	146	570	0.173	ng	# 66
14) 1,2-Dichlorobenzene	8.49	146	907	0.285	ng	# 76
15) Benzyl Alcohol	8.47	79	4497	1.612	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	8.65	45	527	0.089	ng	# 75
18) Hexachloroethane	9.32	117	117	0.099	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	37773	14.918	ng	# 73
22) Acetophenone	8.97	105	340	0.073	ng	# 34
24) Nitrobenzene	9.33	77	824	0.246	ng	# 41
27) 2,4-Dimethylphenol	10.38	122	53	0.021	ng	# 3
30) 1,2,4-Trichlorobenzene	10.81	180	238	0.075	ng	# 12
31) Naphthalene	11.01	128	1486	0.163	ng	# 69
32) Benzoic acid	10.38	122	53	6.625	ng	# 1
37) 2-Methylnaphthalene	12.62	142	971	0.142	ng	# 89
38) 1-Methylnaphthalene	12.83	142	527	0.079	ng	# 68
46) 1,1'-Biphenyl	13.61	154	1231	0.120	ng	# 92
48) 2-Nitroaniline	13.39	65	1371	0.553	ng	# 1
49) Acenaphthylene	14.84	152	238	0.019	ng	# 1
50) Dimethylphthalate	14.39	163	60	0.006	ng	# 76
51) 2,6-Dinitrotoluene	14.77	165	15653	7.083	ng	# 25
52) Acenaphthene	14.82	154	312	0.041	ng	# 59
55) Dibenzofuran	15.17	168	57	0.005	ng	# 45
57) 2,4-Dinitrotoluene	14.77	165	15653	5.041	ng	# 20
58) Fluorene	15.82	166	389	0.040	ng	# 54
63) Azobenzene	16.25	77	959	0.103	ng	# 40
65) 4,6-Dinitro-2-methylphenol	16.26	198	655	0.354	ng	# 1
66) n-Nitrosodiphenylamine	16.26	169	8321	0.919	ng	# 51

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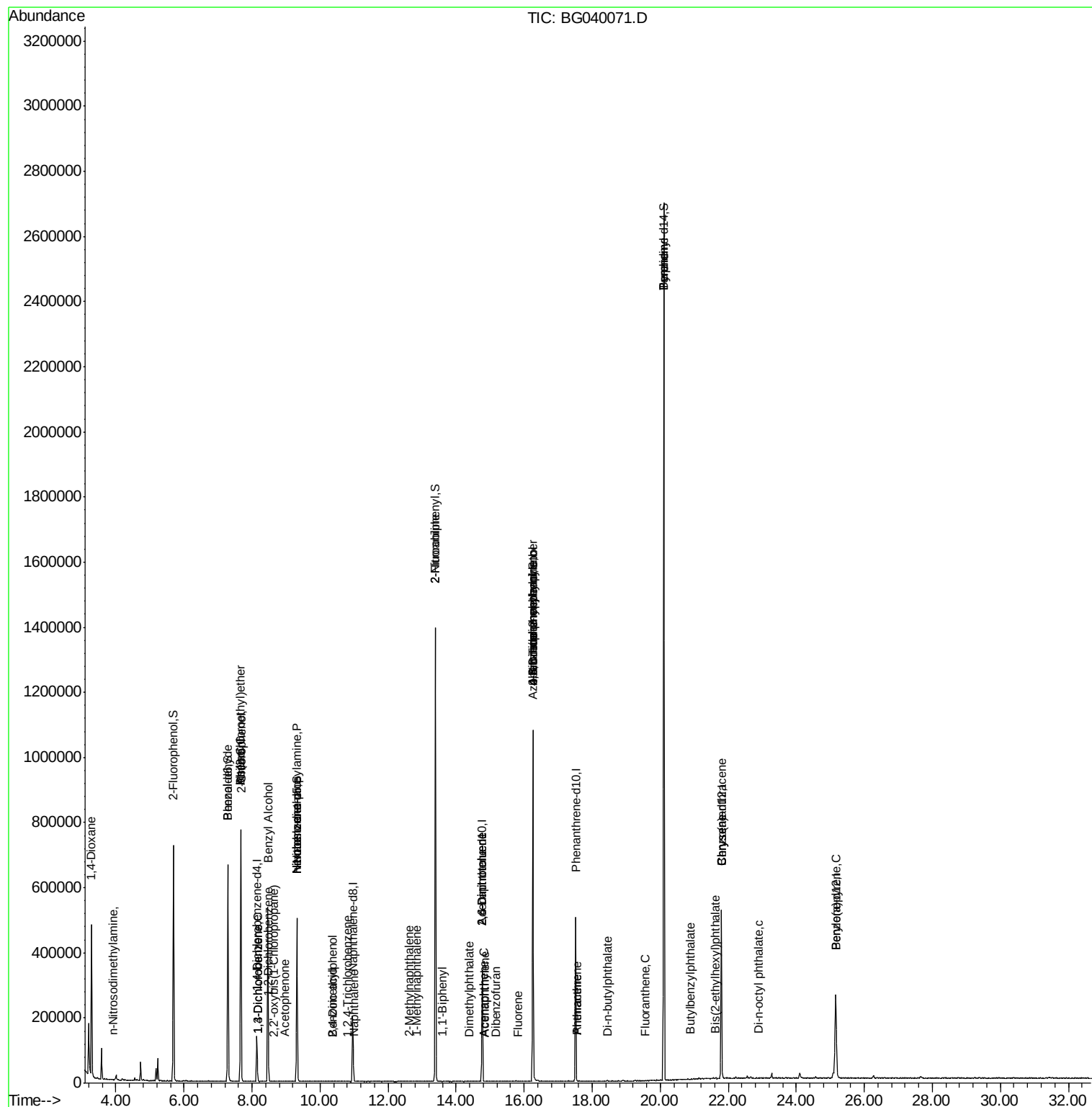
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
67) 4-Bromophenyl-phenylether	16.26	248	15450	4.413	ng	#	1
71) Phenanthrene	17.55	178	1242	0.072	ng	#	82
72) Anthracene	17.55	178	1242	0.074	ng	#	83
74) Di-n-butylphthalate	18.44	149	1666	0.094	ng	#	77
75) Fluoranthene	19.56	202	136	0.007	ng		63
77) Benzidine	20.11	184	22595	2.267	ng	#	93
78) Pyrene	20.11	202	5240	0.257	ng	#	68
80) Butylbenzylphthalate	20.88	149	54	0.007	ng	#	22
81) Benzo(a)anthracene	21.80	228	927	0.047	ng	#	65
83) Chrysene	21.80	228	927	0.049	ng	#	62
84) Bis(2-ethylhexyl)phthalate	21.64	149	559	0.050	ng	#	52
85) Di-n-octyl phthalate	22.91	149	109	0.006	ng	#	1
90) Benzo(a)pyrene	25.16	252	1266	0.074	ng	#	66

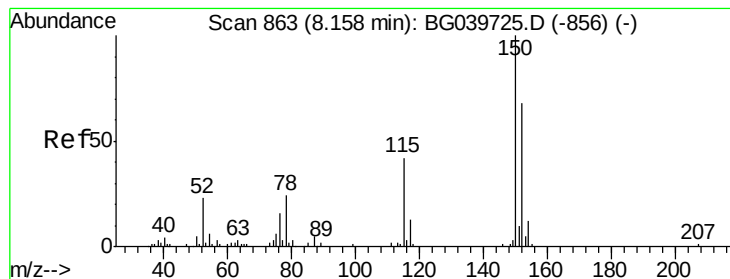
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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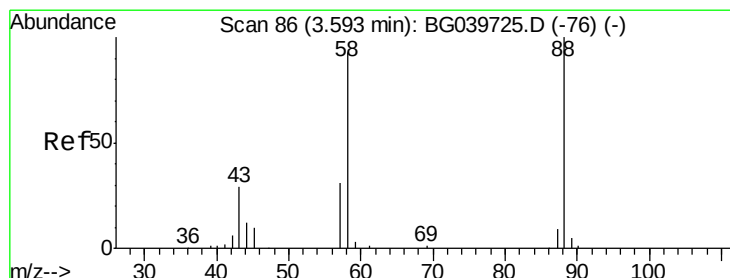
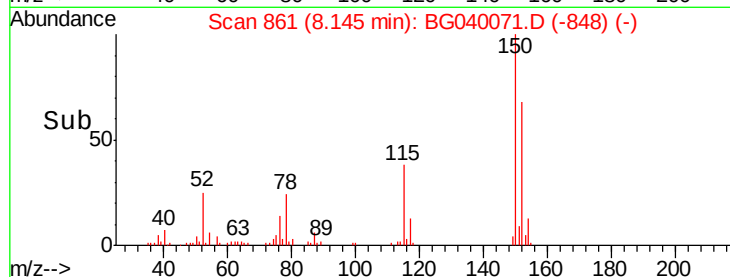
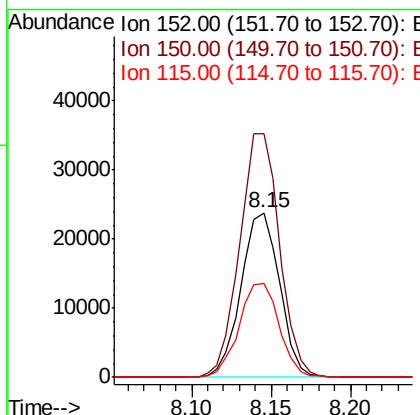
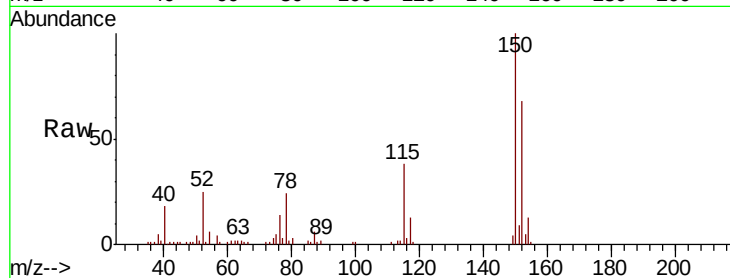


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Instrument :
BNA_G
ClientSampleId :
HD-02-032019

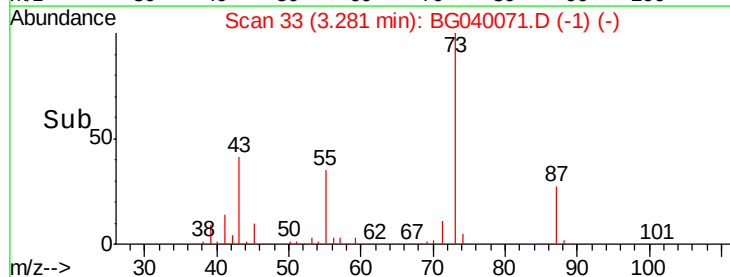
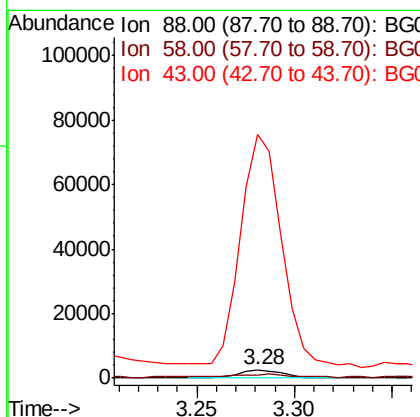
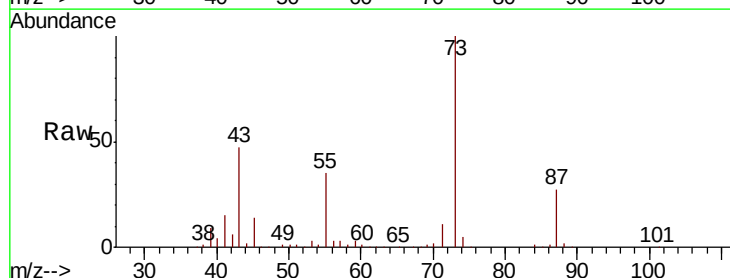
Tgt Ion:152 Resp: 40250
Ion Ratio Lower Upper
152 100
150 147.8 123.7 185.5
115 56.6 45.9 68.9

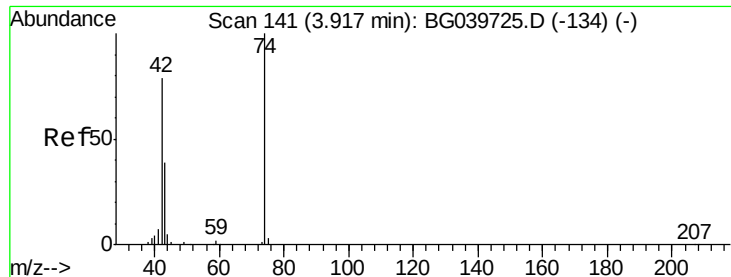


#2

1,4-Dioxane
Concen: 3.738 ng
RT: 3.28 min Scan# 33
Delta R.T. -0.32 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion: 88 Resp: 4072
Ion Ratio Lower Upper
88 100
58 41.3 81.1 121.7#
43 2621.5 31.4 47.0#





#4

n-Nitrosodimethylamine

Concen: 0.215 ng

RT: 3.92 min Scan# 142

Delta R.T. -0.01 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

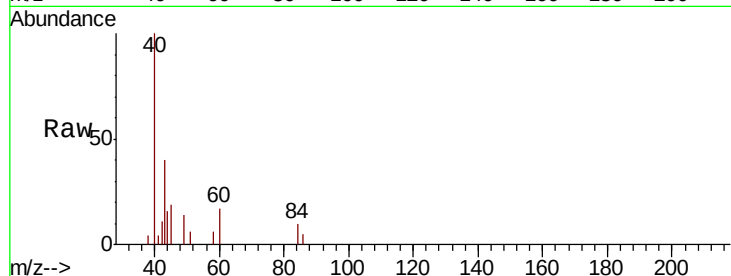
Tgt Ion: 42 Resp: 298

Ion Ratio Lower Upper

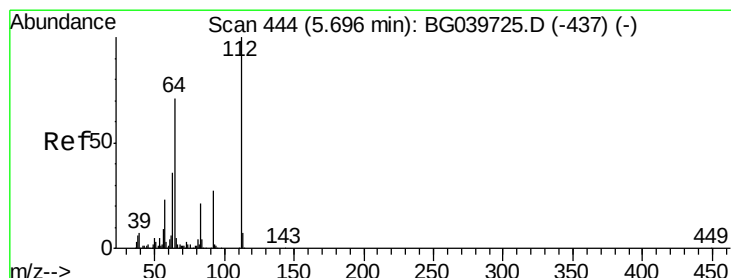
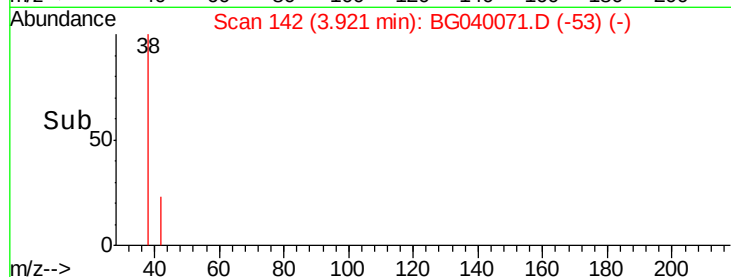
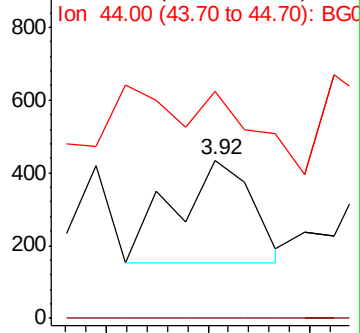
42 100

74 0.0 83.6 125.4#

44 143.8 6.9 10.3#



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: 125.180 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

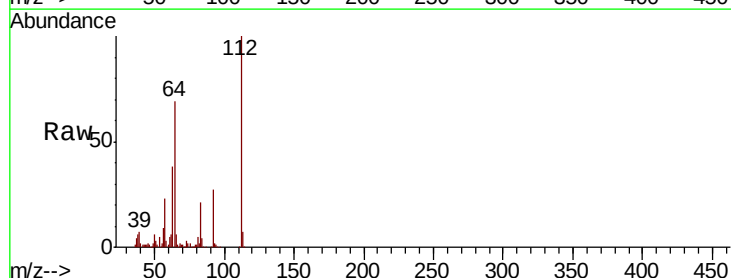
Tgt Ion: 112 Resp: 295338

Ion Ratio Lower Upper

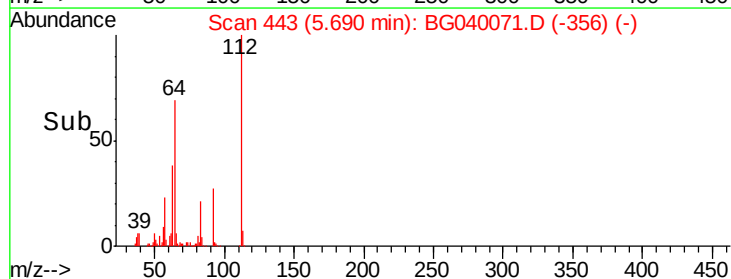
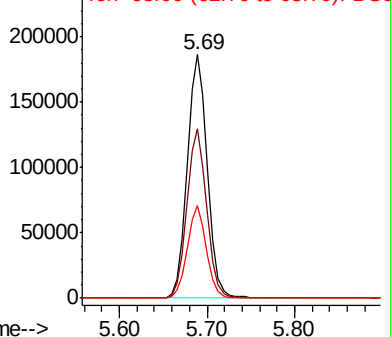
112 100

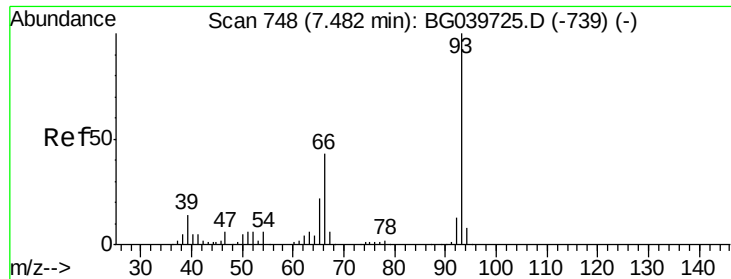
64 69.3 57.8 86.8

63 37.8 29.8 44.6



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: 0.090 ng

RT: 7.68 min Scan# 781

Delta R.T. 0.18 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

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ClientSampleId :

HD-02-032019

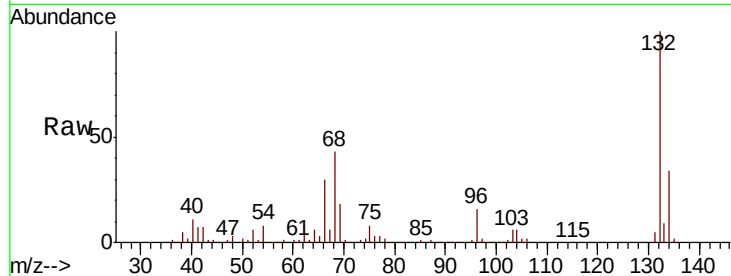
Tgt Ion: 93 Resp: 414

Ion Ratio Lower Upper

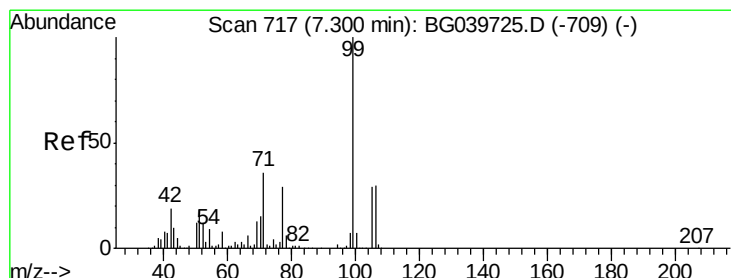
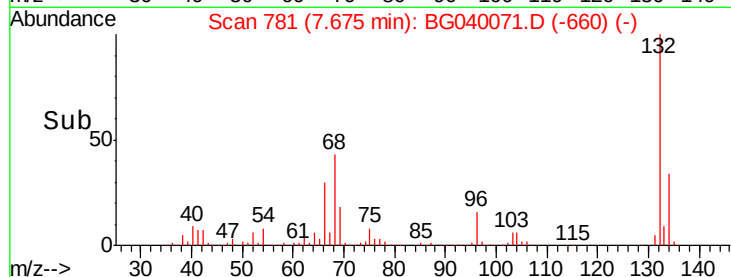
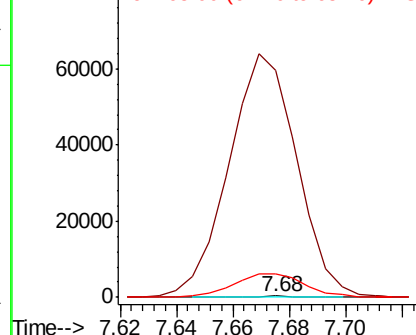
93 100

66 15885.1 34.2 51.4#

65 1595.7 17.7 26.5#



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: 109.692 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

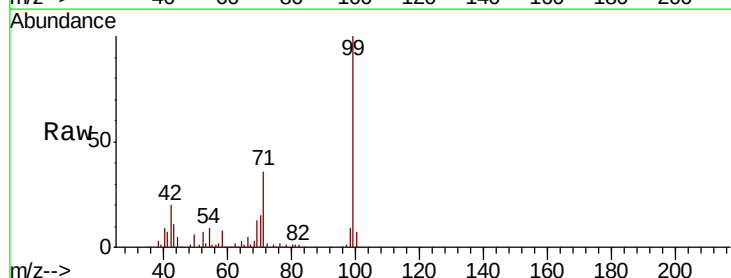
Tgt Ion: 99 Resp: 385883

Ion Ratio Lower Upper

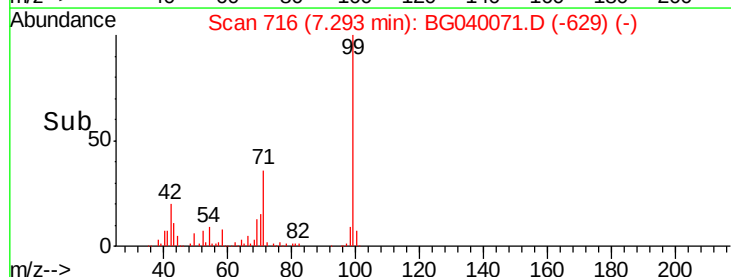
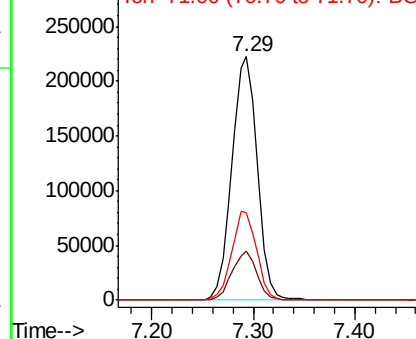
99 100

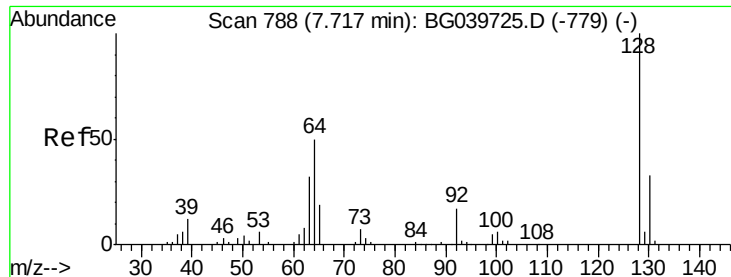
42 20.1 18.2 27.2

71 36.2 28.0 42.0



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





#8

2-Chlorophenol

Concen: 0.025 ng

RT: 7.68 min Scan# 782

Delta R.T. -0.04 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

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ClientSampleId :

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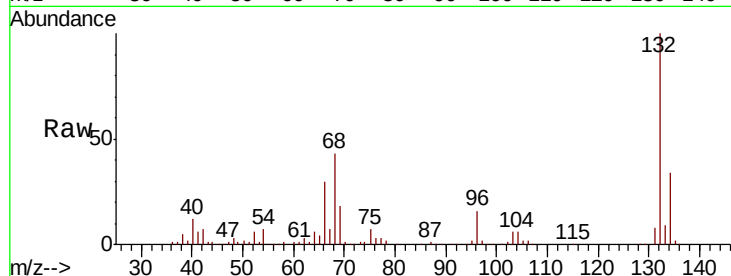
Tgt Ion:128 Resp: 72

Ion Ratio Lower Upper

128 100

130 0.0 12.9 52.9#

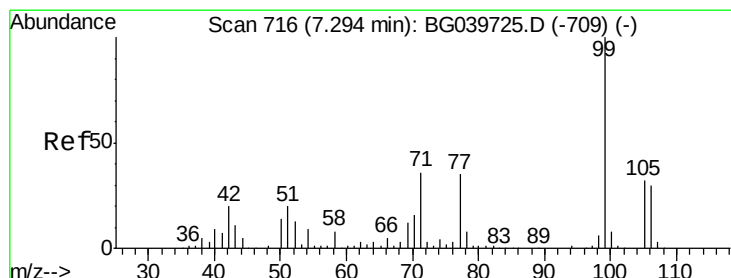
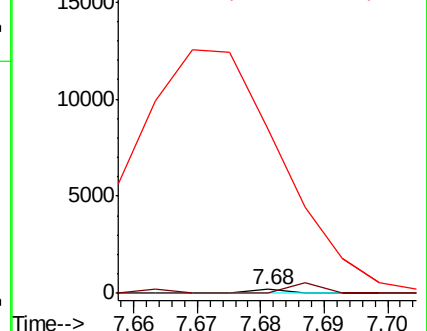
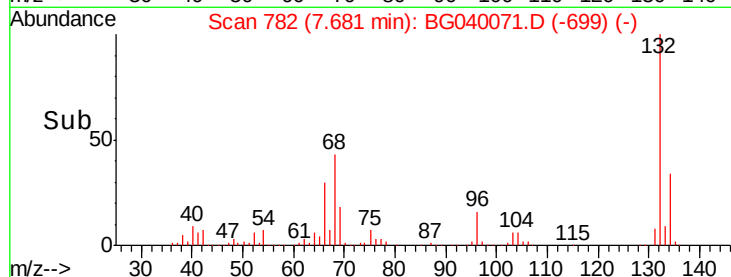
64 4142.6 38.7 78.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BG



#9

Benzaldehyde

Concen: 0.285 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.01 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

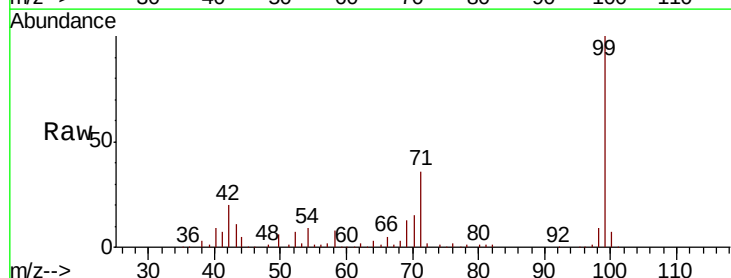
Tgt Ion: 77 Resp: 647

Ion Ratio Lower Upper

77 100

105 0.0 74.5 114.5#

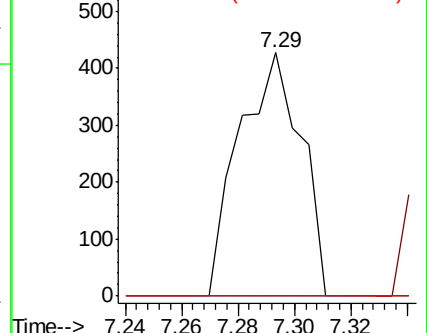
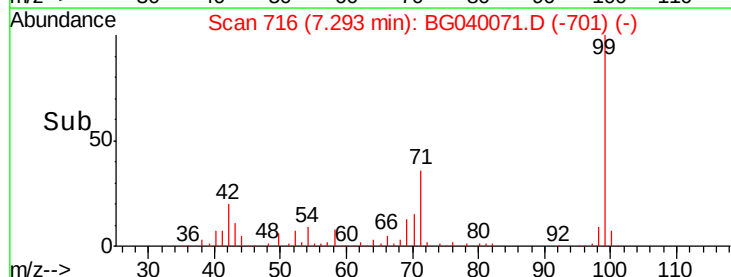
106 0.0 68.0 108.0#

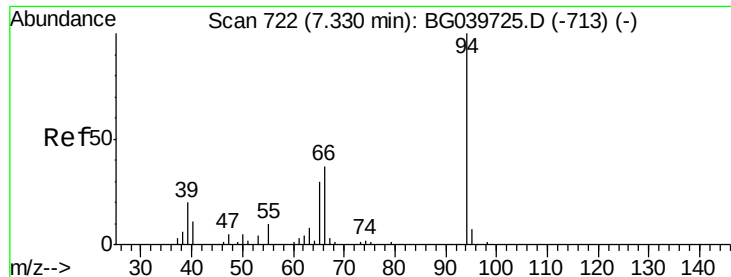


Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.231 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.33 min

Lab File: BG040071.D

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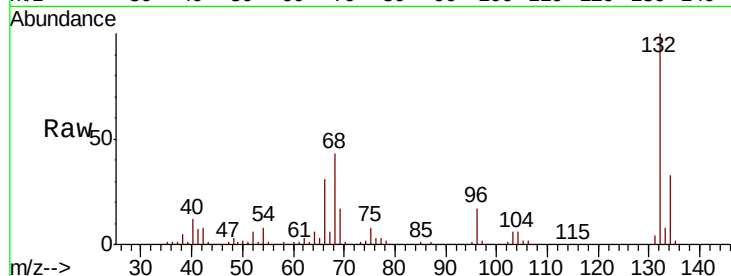
Tgt Ion: 94 Resp: 879

Ion Ratio Lower Upper

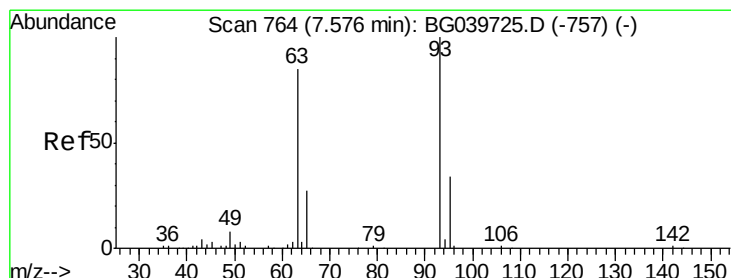
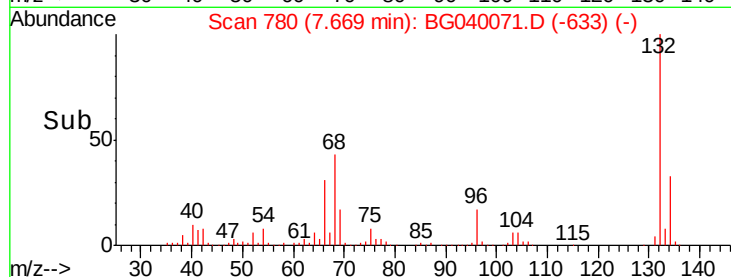
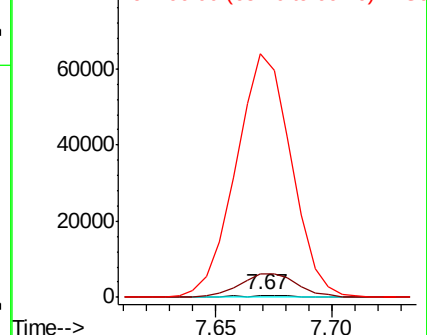
94 100

65 1193.0 11.7 51.7#

66 12132.1 23.7 63.7#



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: 0.139 ng

RT: 7.68 min Scan# 781

Delta R.T. 0.09 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

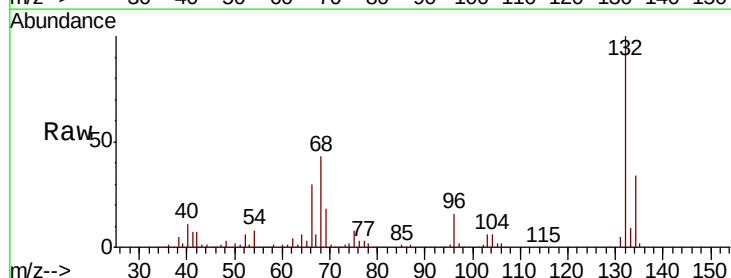
Tgt Ion: 93 Resp: 414

Ion Ratio Lower Upper

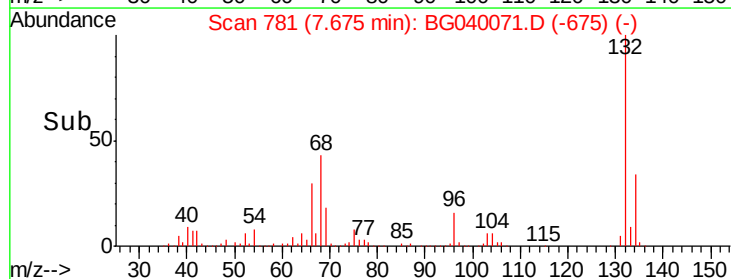
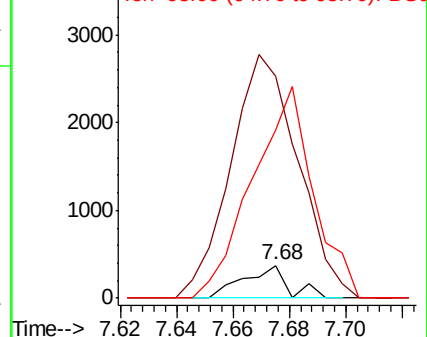
93 100

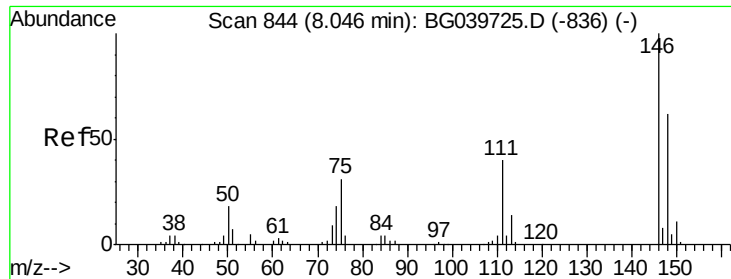
63 670.7 69.5 109.5#

95 508.8 12.7 52.7#



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





#12

1,3-Dichlorobenzene

Concen: 0.176 ng

RT: 8.17 min Scan# 866

Delta R.T. 0.12 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

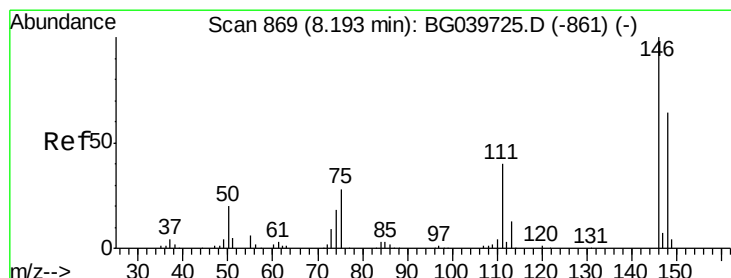
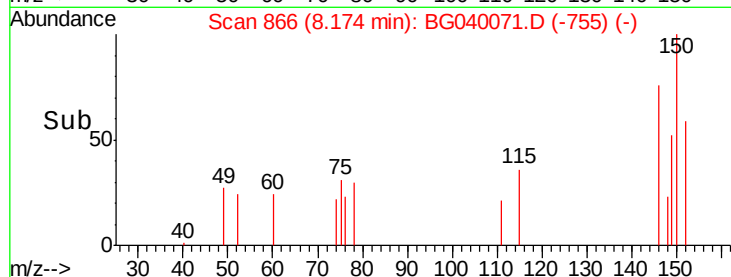
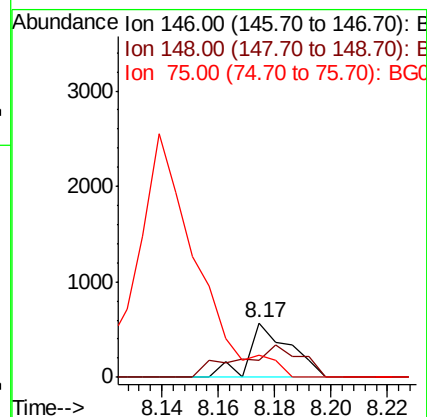
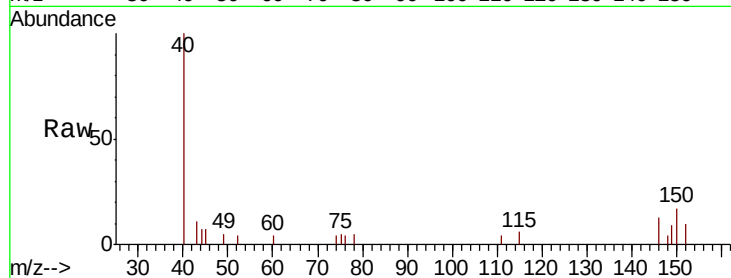
Tgt Ion:146 Resp: 570

Ion Ratio Lower Upper

146 100

148 30.6 52.6 79.0#

75 40.4 25.8 38.6#



#13

1,4-Dichlorobenzene

Concen: 0.173 ng

RT: 8.17 min Scan# 866

Delta R.T. -0.03 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

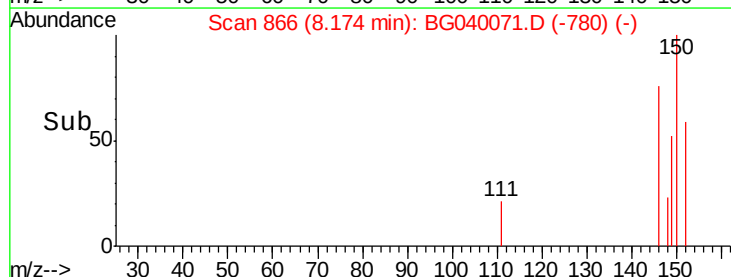
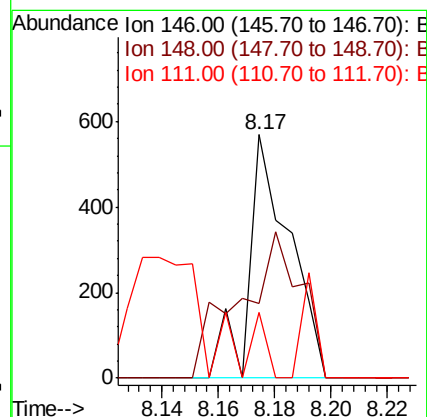
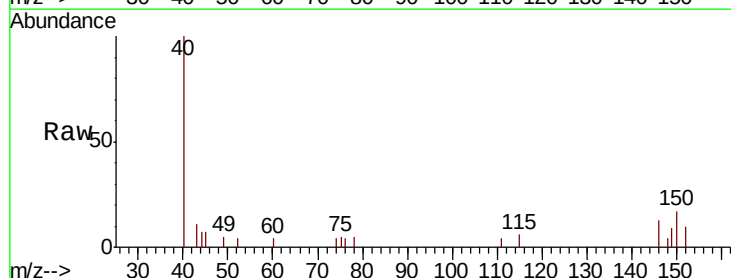
Tgt Ion:146 Resp: 570

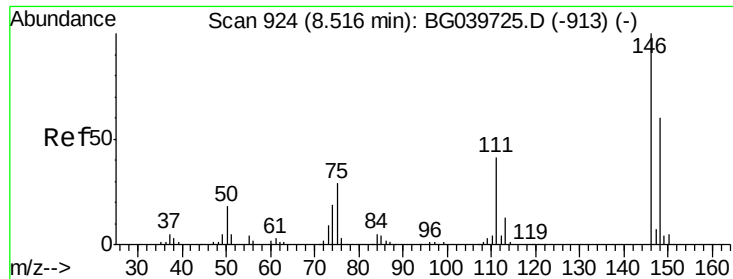
Ion Ratio Lower Upper

146 100

148 30.6 51.1 76.7#

111 27.2 32.6 48.8#

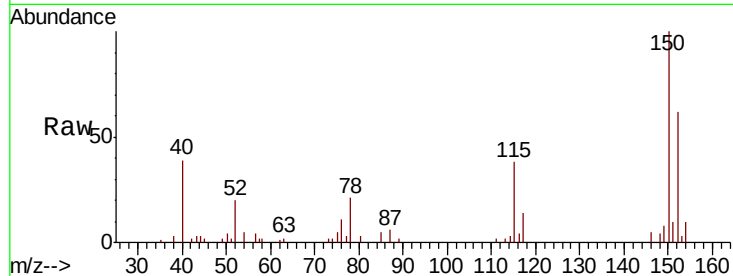




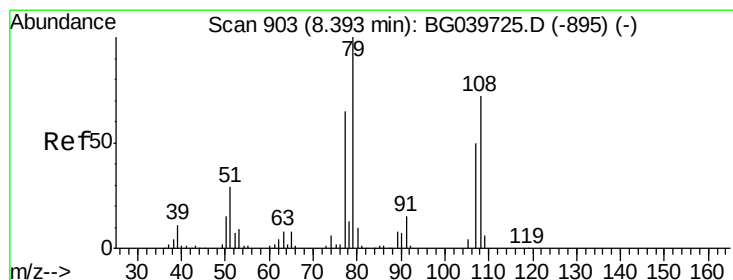
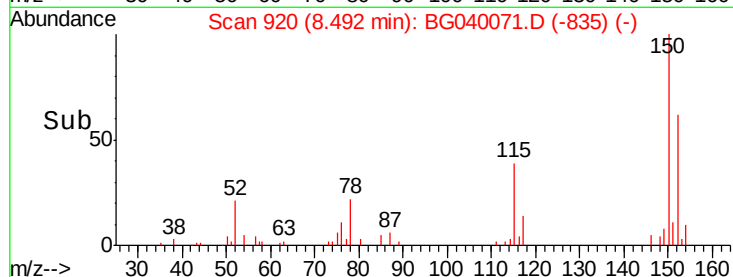
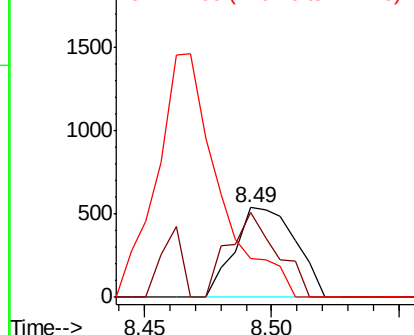
#14
 1,2-Dichlorobenzene
 Concen: 0.285 ng
 RT: 8.49 min Scan# 920
 Delta R.T. -0.03 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-032019

Tgt Ion: 146 Resp: 907
 Ion Ratio Lower Upper
 146 100
 148 94.1 51.5 77.3#
 111 43.3 33.8 50.6

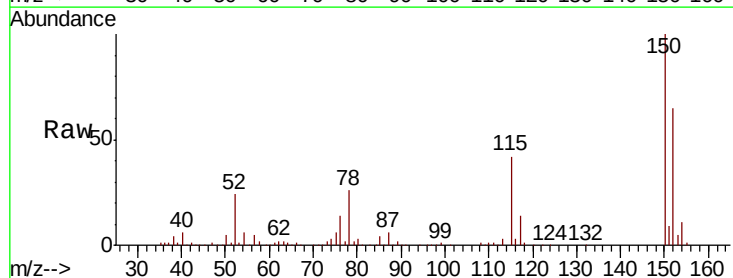


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

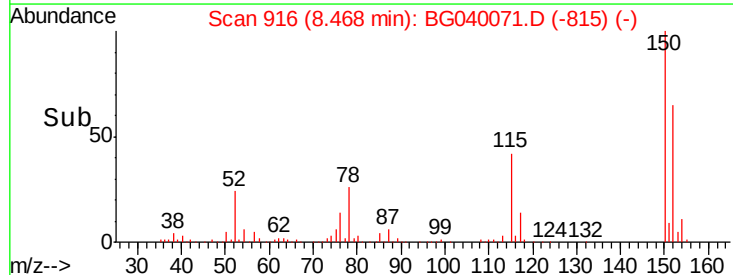
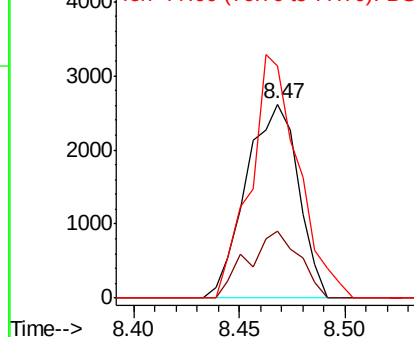


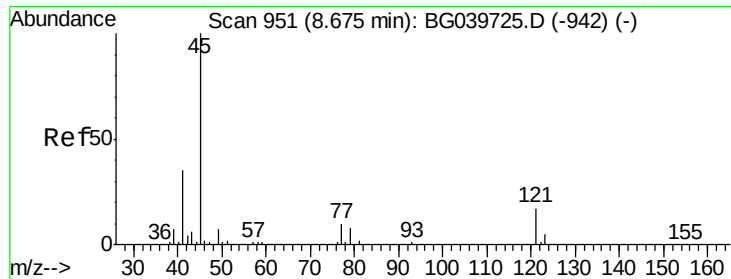
#15
 Benzyl Alcohol
 Concen: 1.612 ng
 RT: 8.47 min Scan# 916
 Delta R.T. 0.06 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Tgt Ion: 79 Resp: 4497
 Ion Ratio Lower Upper
 79 100
 108 34.6 57.8 86.6#
 77 119.6 51.1 76.7#



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

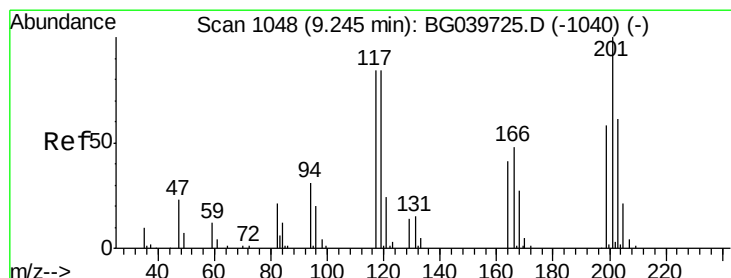
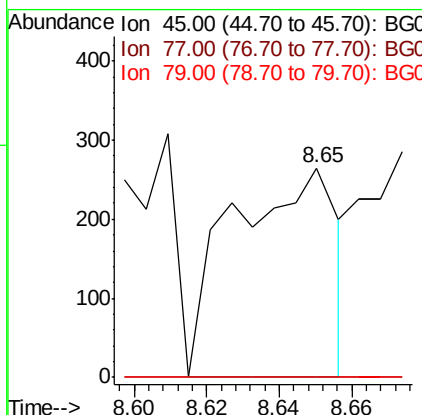
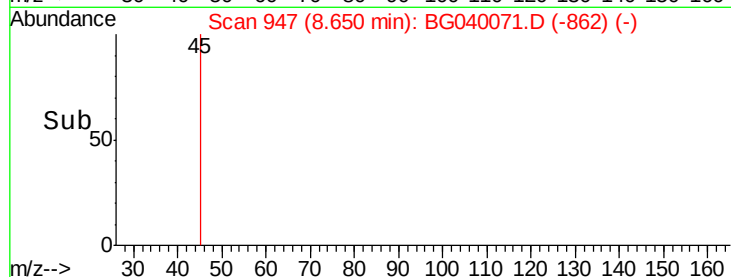
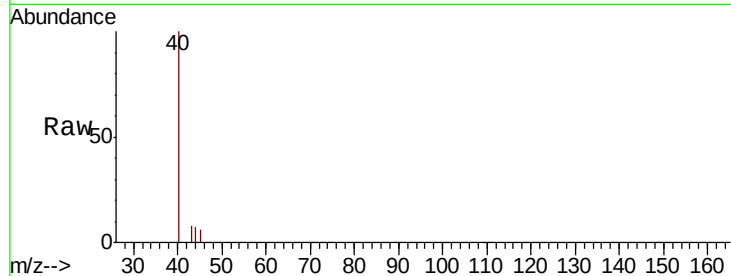




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.089 ng
RT: 8.65 min Scan# 947
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

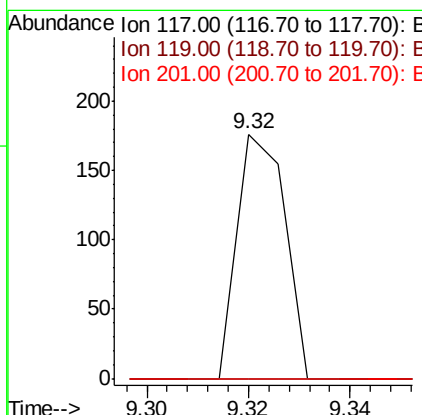
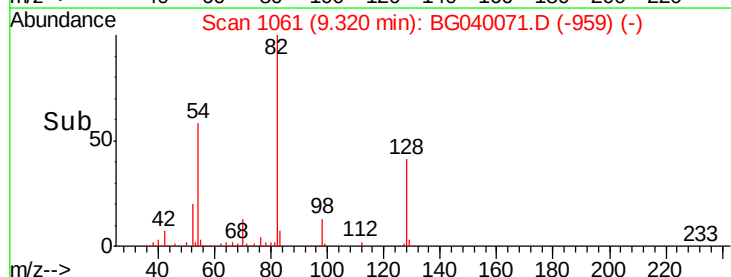
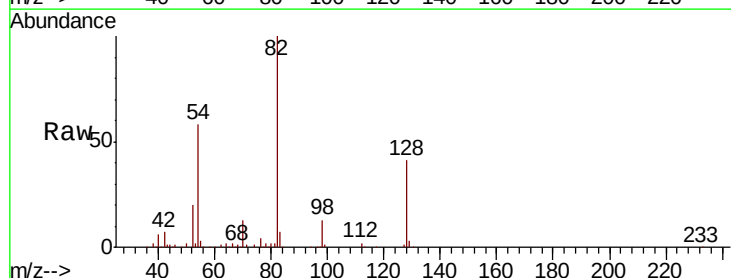
Instrument :
BNA_G
ClientSampleId :
HD-02-032019

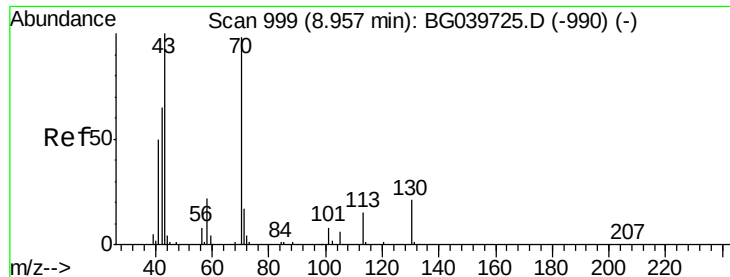
Tgt Ion: 45 Resp: 527
Ion Ratio Lower Upper
45 100
77 0.0 0.0 30.0
79 0.0 0.0 27.5



#18
Hexachloroethane
Concen: 0.099 ng
RT: 9.32 min Scan# 1061
Delta R.T. 0.07 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion: 117 Resp: 117
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
201 0.0 91.1 136.7#





#19

n-Nitroso-di-n-propylamine

Concen: 14.918 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

Tgt Ion: 70 Resp: 37773

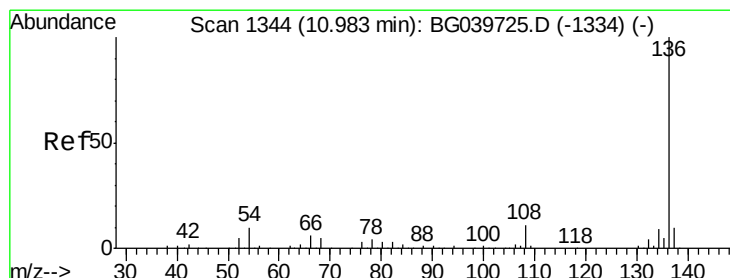
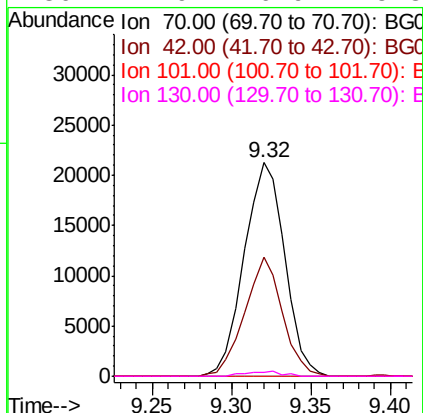
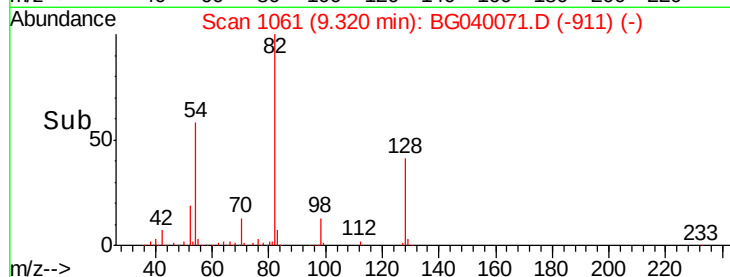
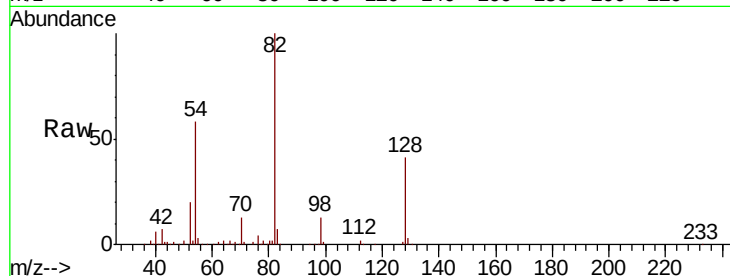
Ion Ratio Lower Upper

70 100

42 55.9 60.4 90.6#

101 0.0 7.5 11.3#

130 1.9 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Tgt Ion: 136 Resp: 172516

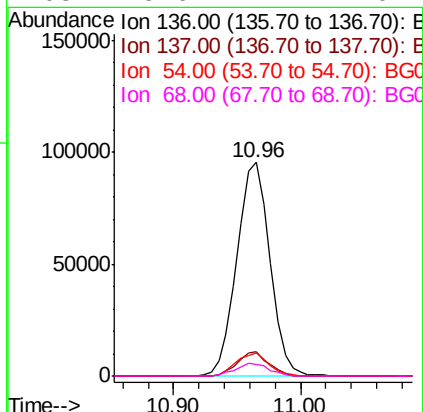
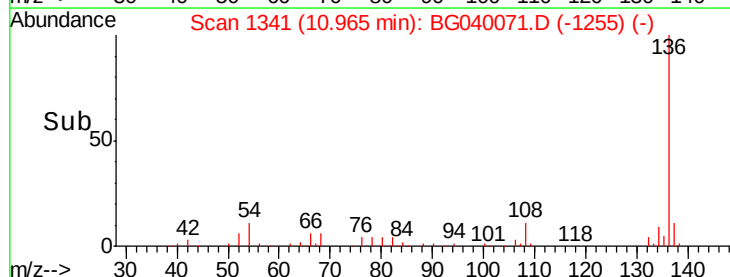
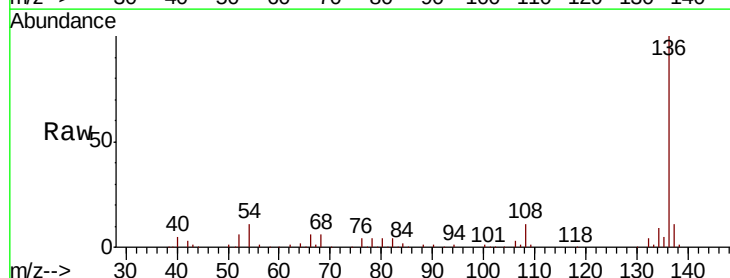
Ion Ratio Lower Upper

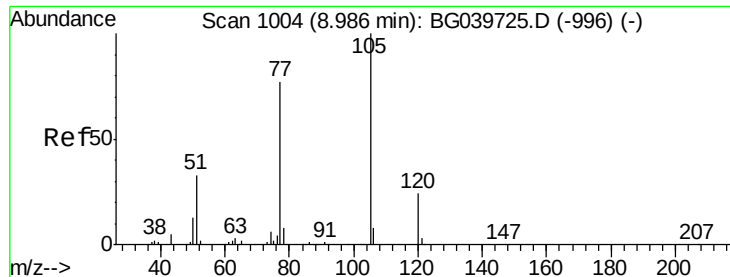
136 100

137 11.2 9.1 13.7

54 10.8 9.4 14.2

68 5.6 4.2 6.4

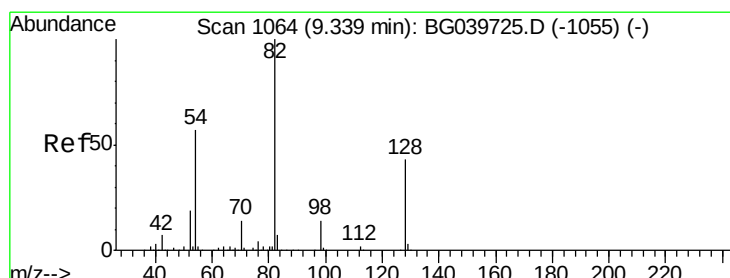
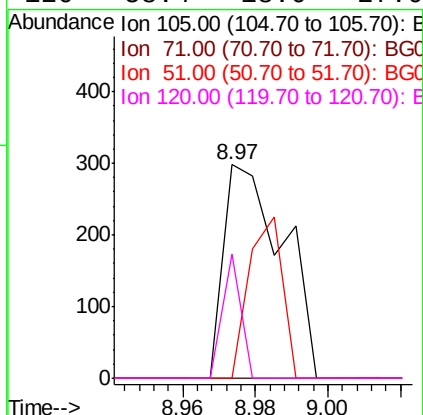
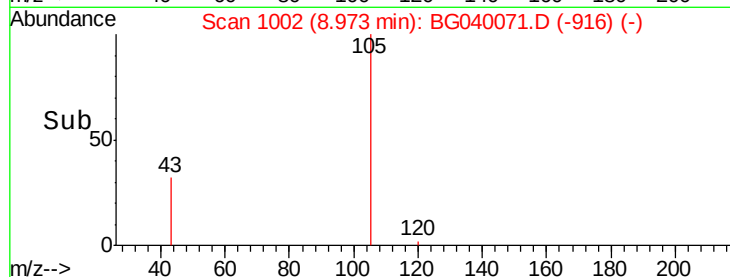
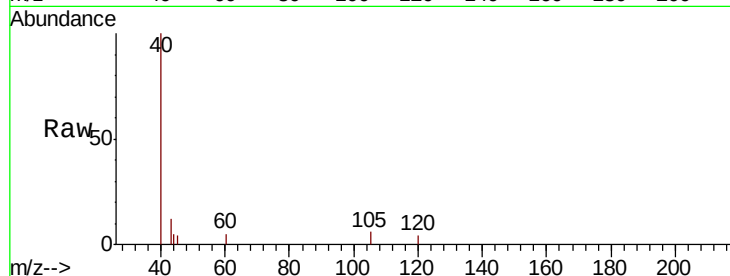




#22
Acetophenone
Concen: 0.073 ng
RT: 8.97 min Scan# 1002
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

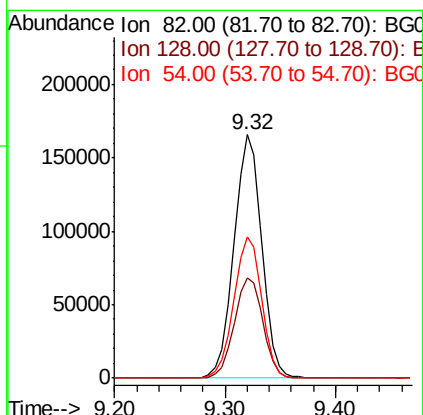
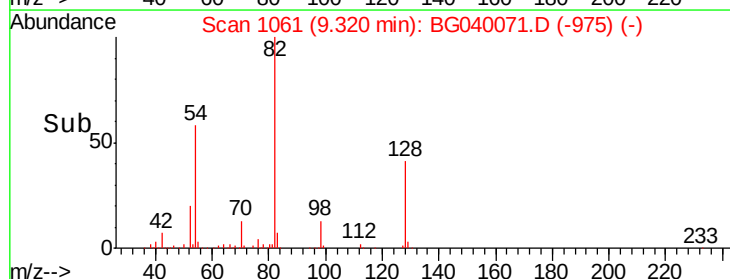
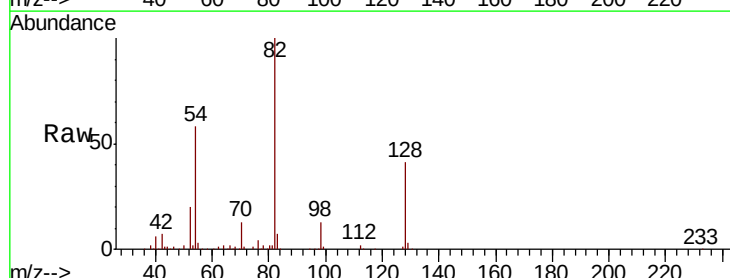
Instrument :
BNA_G
ClientSampleId :
HD-02-032019

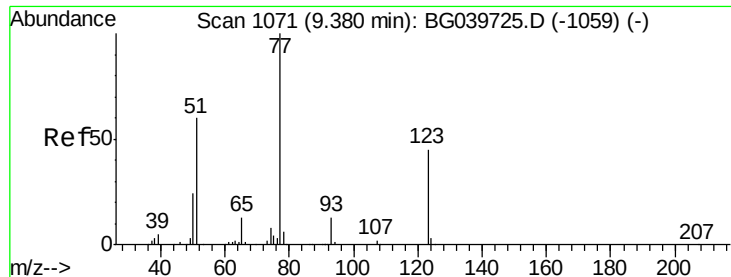
Tgt Ion: 105 Resp: 340
Ion Ratio Lower Upper
105 100
71 0.0 0.8 1.2#
51 0.0 30.2 45.2#
120 58.4 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 91.834 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion: 82 Resp: 292931
Ion Ratio Lower Upper
82 100
128 41.0 31.3 46.9
54 58.1 50.9 76.3

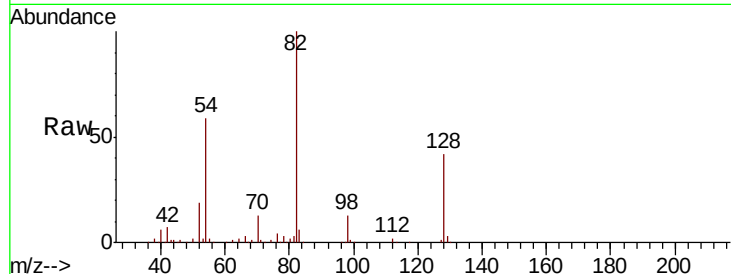




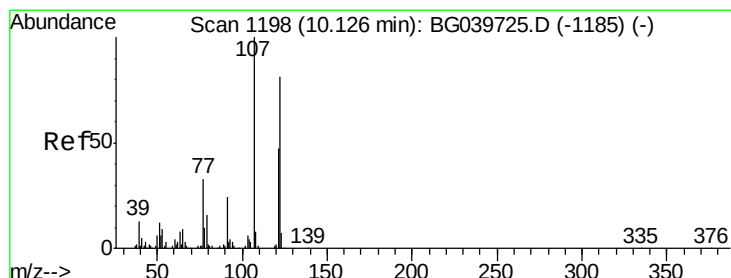
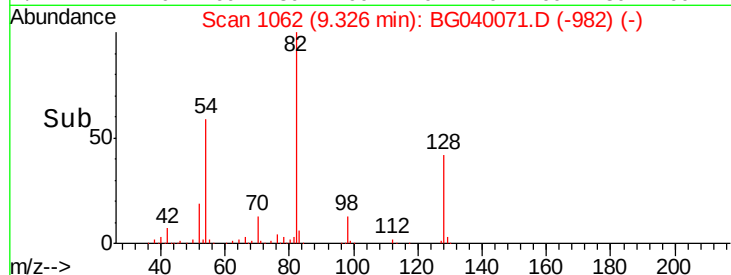
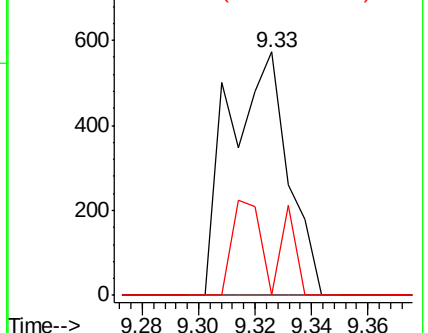
#24
 Nitrobenzene
 Concen: 0.246 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. -0.06 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-032019

Tgt Ion: 77 Resp: 824
 Ion Ratio Lower Upper
 77 100
 123 0.0 34.1 51.1#
 65 0.0 12.3 18.5#

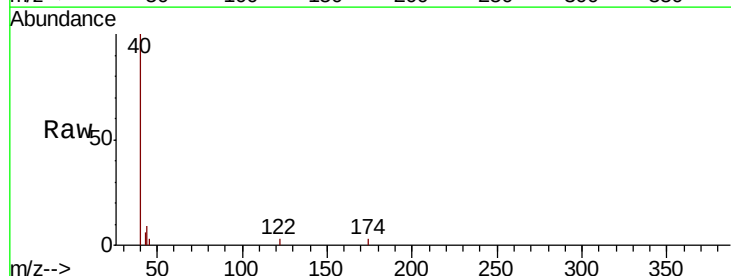


Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC

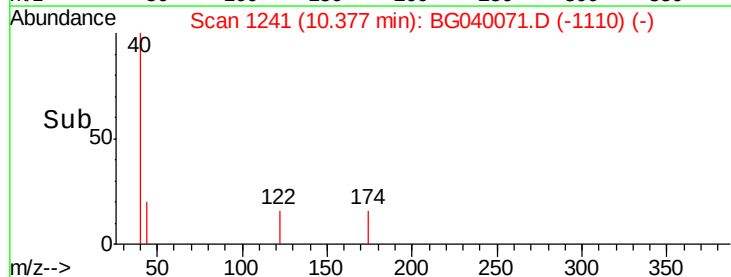
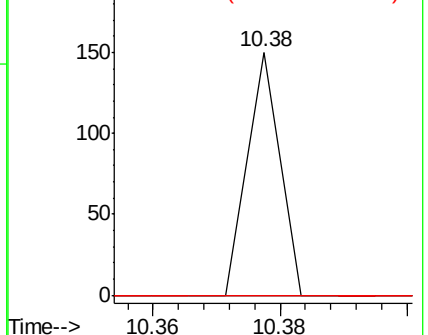


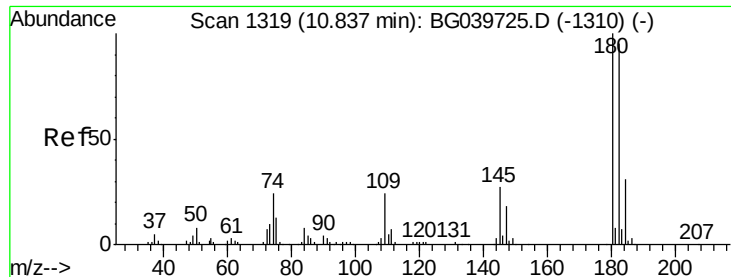
#27
 2,4-Dimethylphenol
 Concen: 0.021 ng
 RT: 10.38 min Scan# 1241
 Delta R.T. 0.24 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Tgt Ion: 122 Resp: 53
 Ion Ratio Lower Upper
 122 100
 107 0.0 91.7 137.5#
 121 0.0 46.4 69.6#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 107.00 (106.70 to 107.70): BGC
 Ion 121.00 (120.70 to 121.70): BGC





#30

1,2,4-Trichlorobenzene

Concen: 0.075 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.03 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

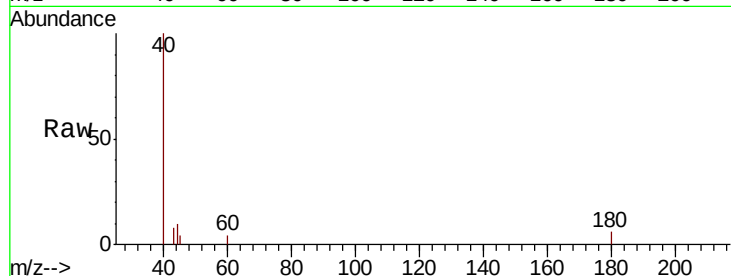
Tgt Ion:180 Resp: 238

Ion Ratio Lower Upper

180 100

182 0.0 76.0 114.0#

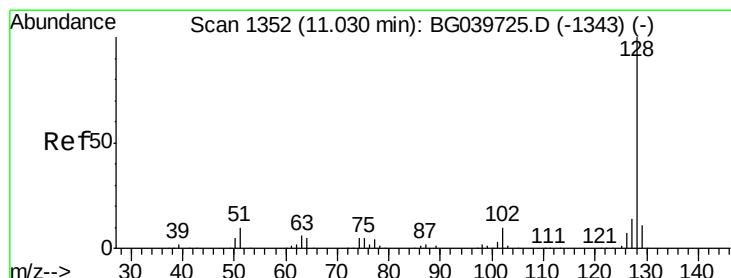
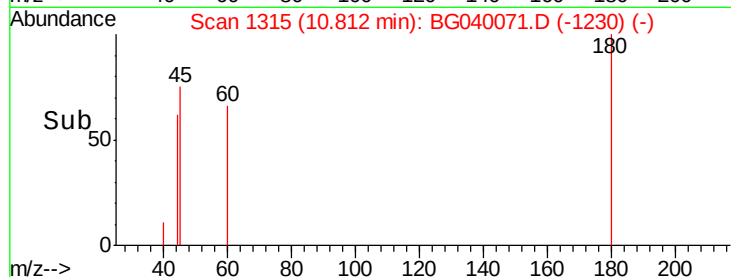
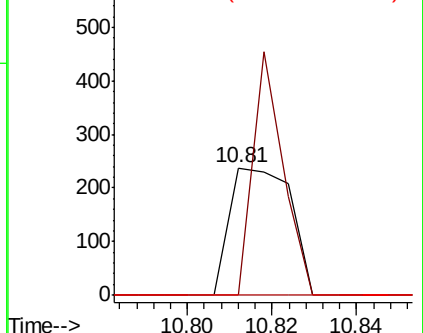
145 0.0 22.7 34.1#



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 0.163 ng

RT: 11.01 min Scan# 1348

Delta R.T. -0.03 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

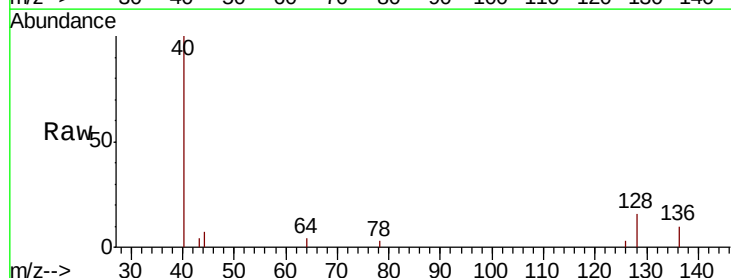
Tgt Ion:128 Resp: 1486

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

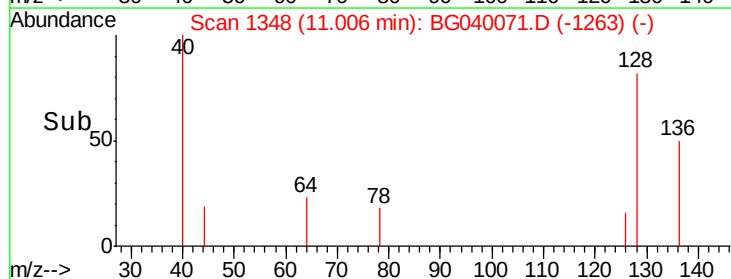
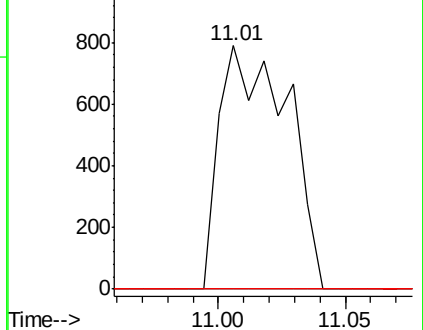
127 0.0 10.8 16.2#

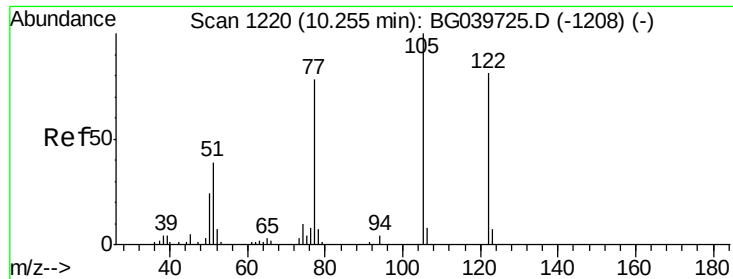


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

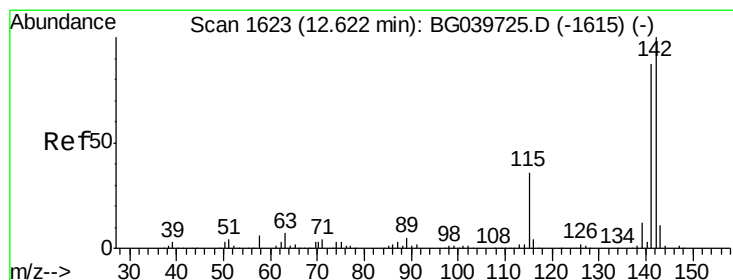
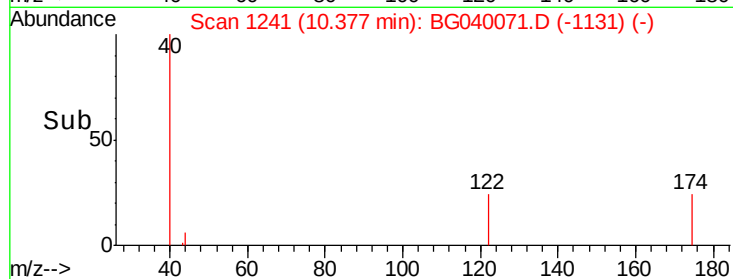
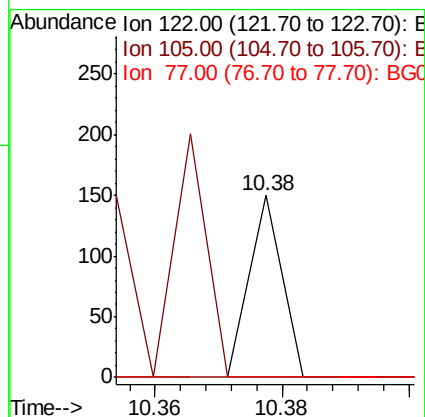
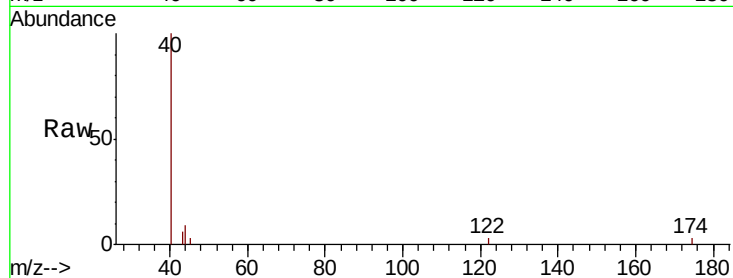




#32
Benzoic acid
Concen: 6.625 ng
RT: 10.38 min Scan# 1241
Delta R.T. 0.12 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

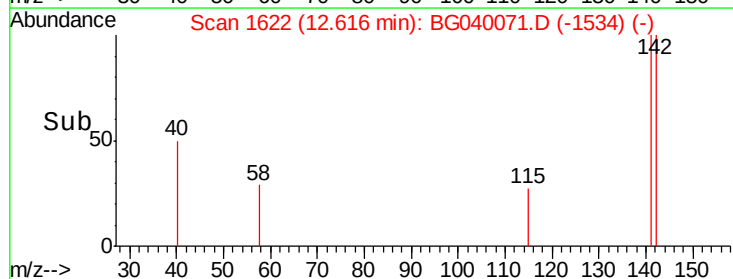
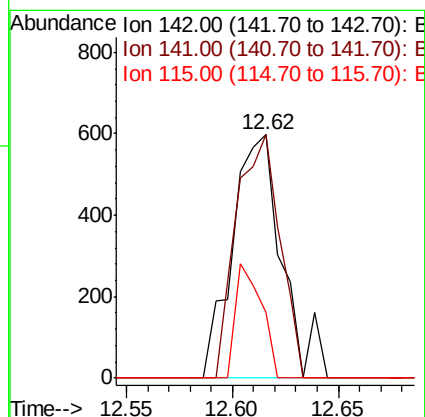
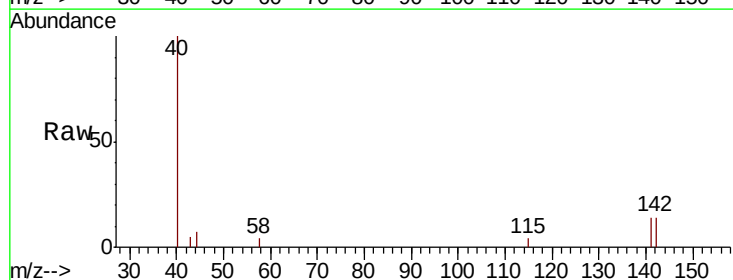
Instrument :
BNA_G
ClientSampleId :
HD-02-032019

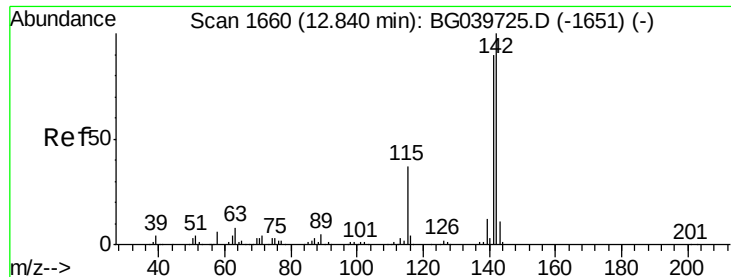
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#37
2-Methylnaphthalene
Concen: 0.142 ng
RT: 12.62 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.8	73.5	110.3
115	27.1	30.8	46.2#

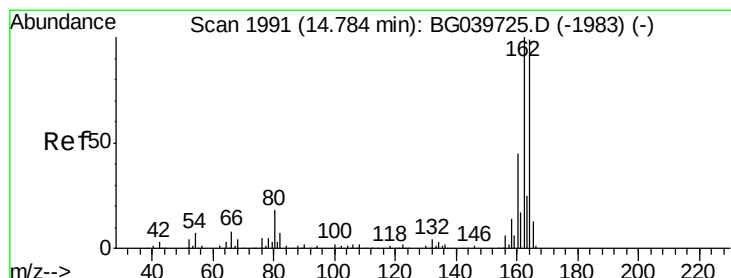
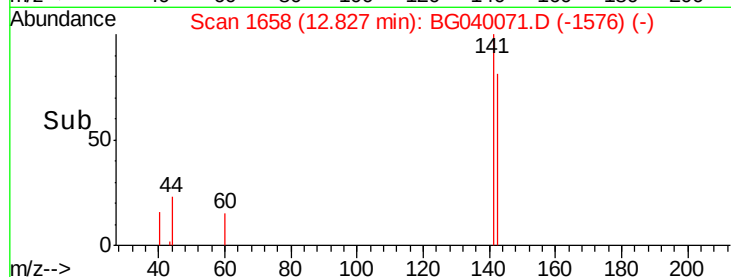
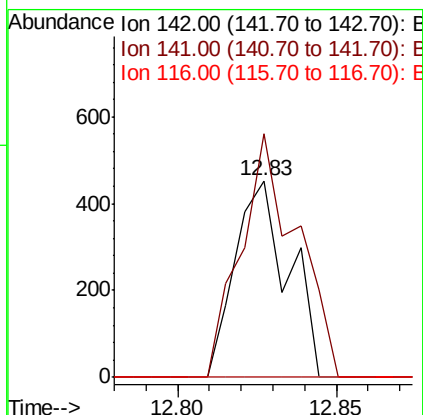
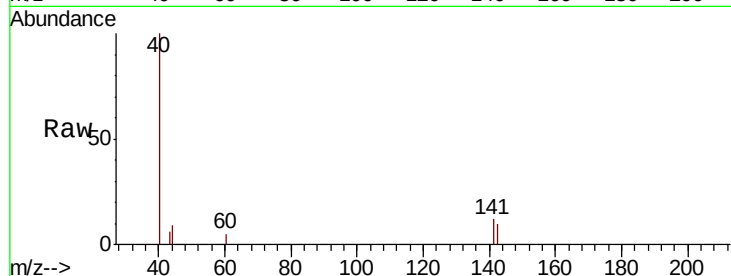




#38
1-Methylnaphthalene
Concen: 0.079 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.02 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

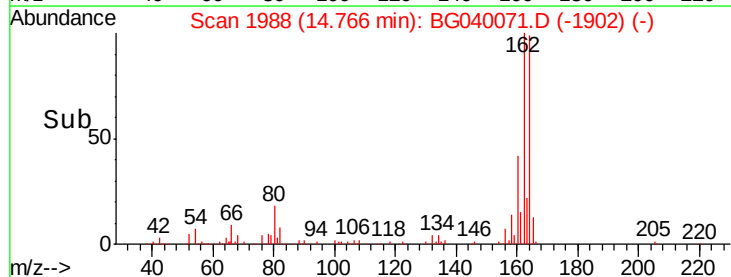
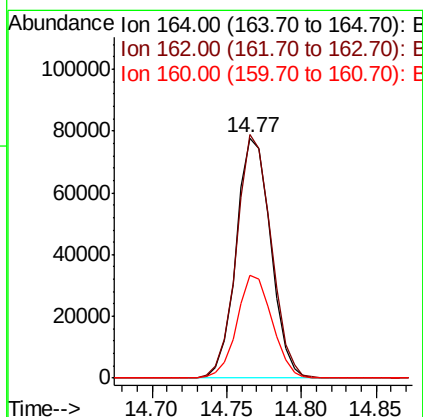
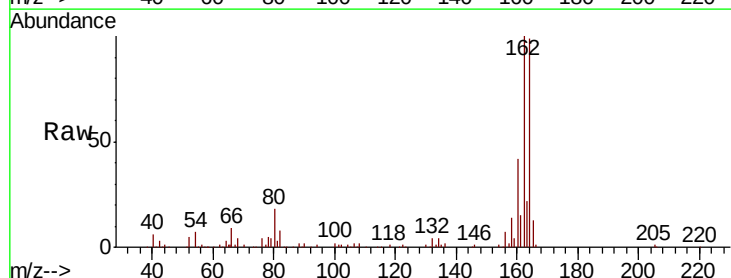
Instrument :
BNA_G
ClientSampleId :
HD-02-032019

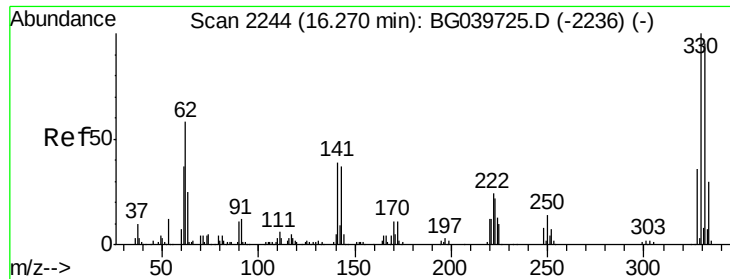
Tgt Ion:142 Resp: 527
Ion Ratio Lower Upper
142 100
141 123.8 74.2 111.4#
116 0.0 3.0 4.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion:164 Resp: 124662
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 42.7 34.2 51.2

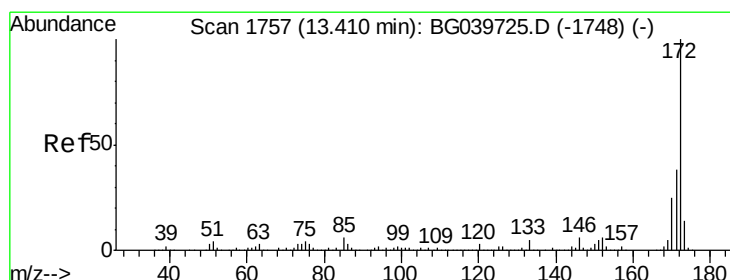
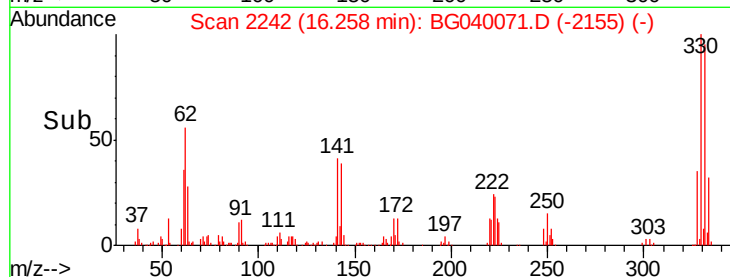
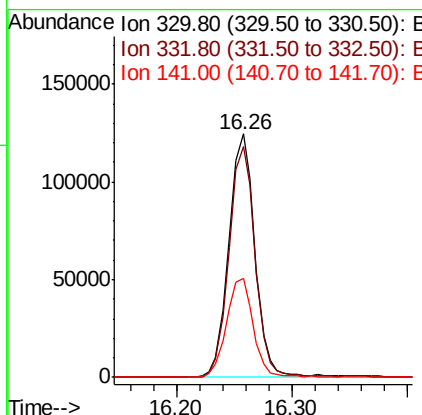
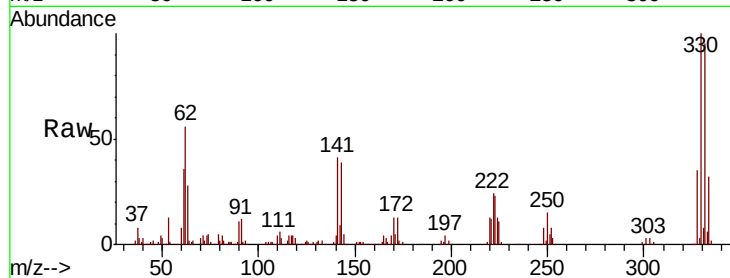




#42
 2,4,6-Tribromophenol
 Concen: 134.269 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.02 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

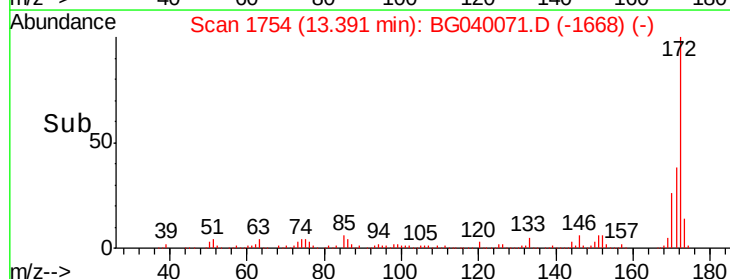
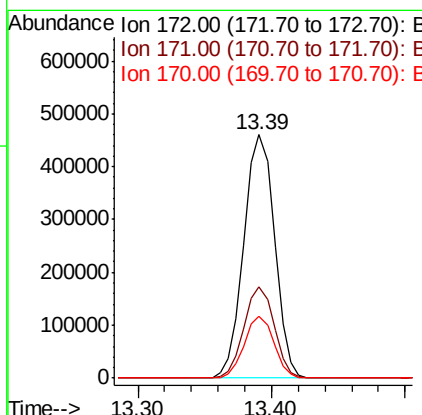
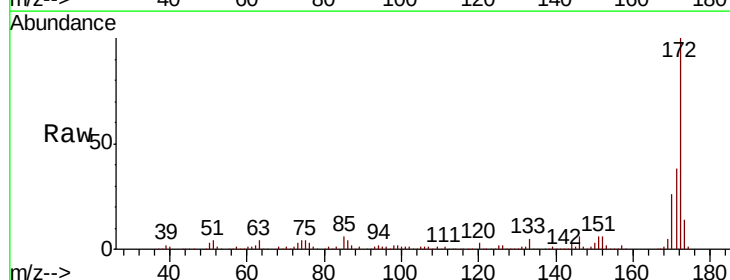
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-032019

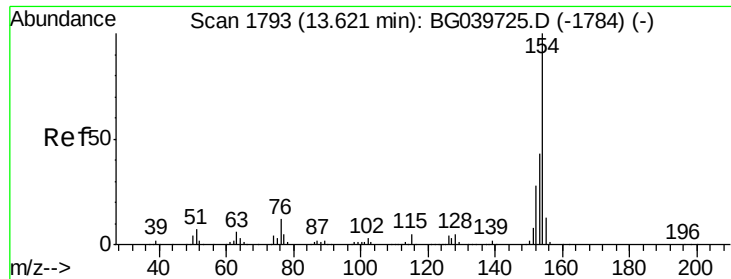
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.7	113.5
141	41.7	35.6	53.4



#45
 2-Fluorobiphenyl
 Concen: 83.687 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.03 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.8	46.2
170	25.6	20.2	30.4

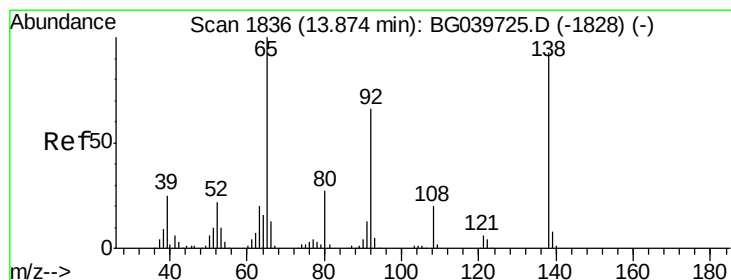
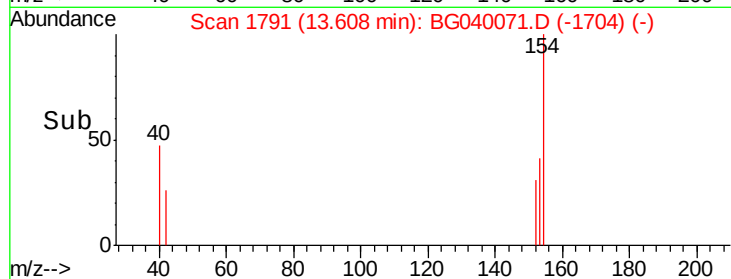
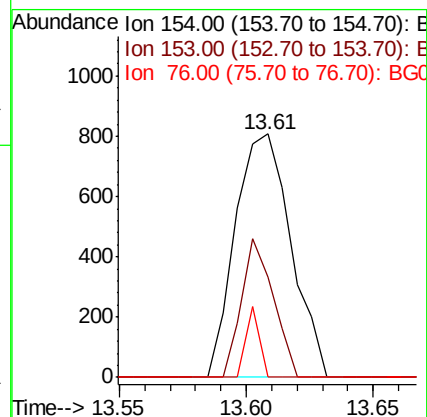
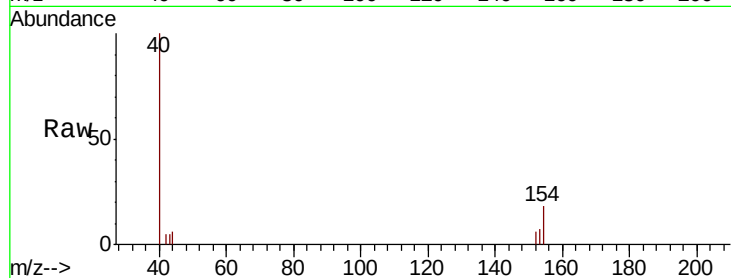




#46
1,1'-Biphenyl
Concen: 0.120 ng
RT: 13.61 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

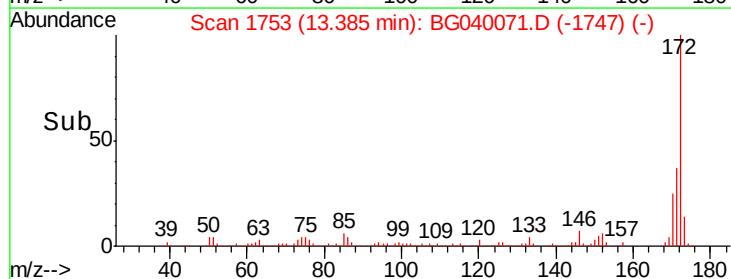
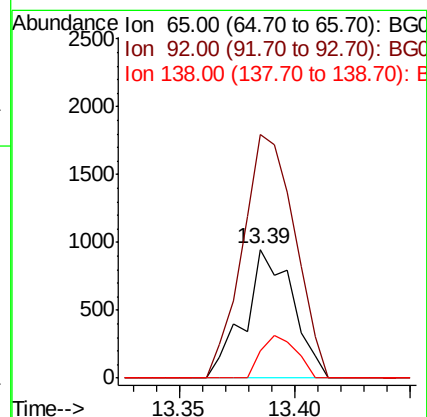
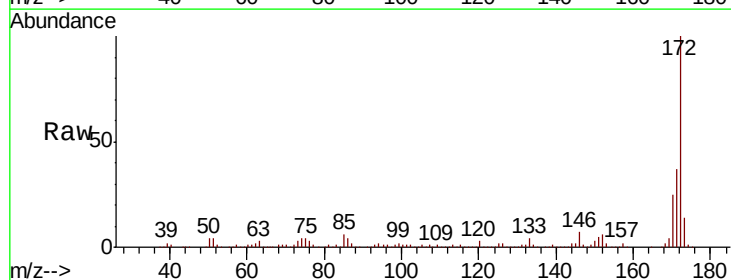
Instrument :
BNA_G
ClientSampled :
HD-02-032019

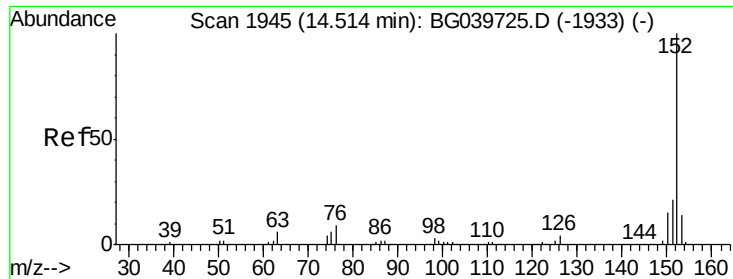
Tgt Ion: 154 Resp: 1231
Ion Ratio Lower Upper
154 100
153 41.1 22.1 62.1
76 0.0 0.0 32.4



#48
2-Nitroaniline
Concen: 0.553 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.50 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion: 65 Resp: 1371
Ion Ratio Lower Upper
65 100
92 189.3 51.4 77.2#
138 21.2 71.4 107.2#





#49

Acenaphthylene

Concen: 0.019 ng

RT: 14.84 min Scan# 2001

Delta R.T. 0.32 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

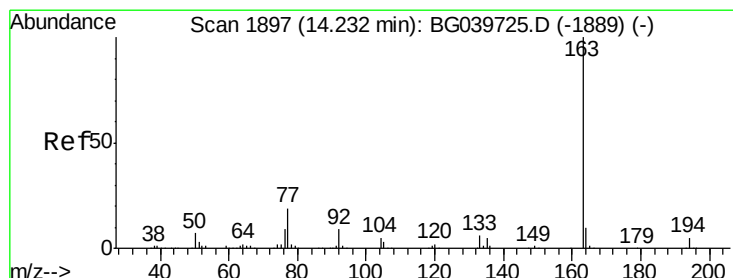
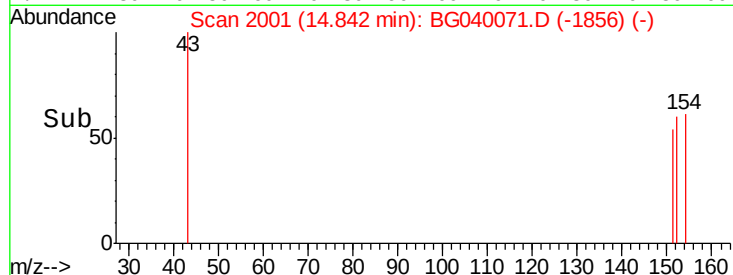
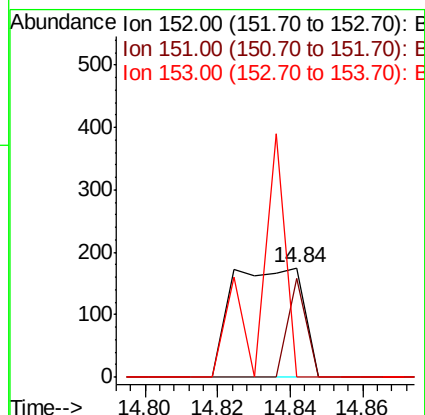
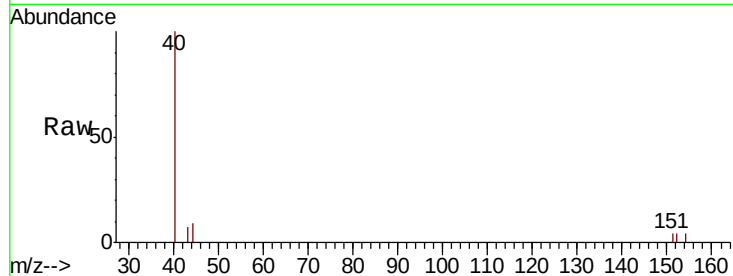
Tgt Ion:152 Resp: 238

Ion Ratio Lower Upper

152 100

151 90.9 16.8 25.2#

153 0.0 11.7 17.5#



#50

Dimethylphthalate

Concen: 0.006 ng

RT: 14.39 min Scan# 1924

Delta R.T. 0.15 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

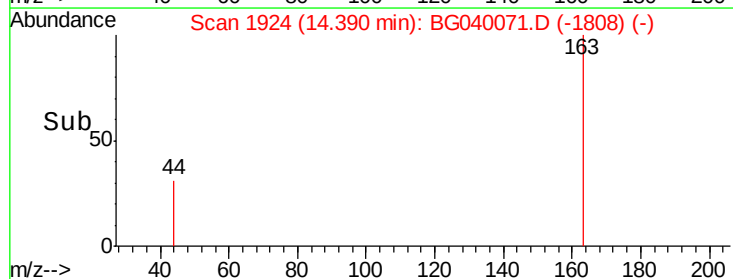
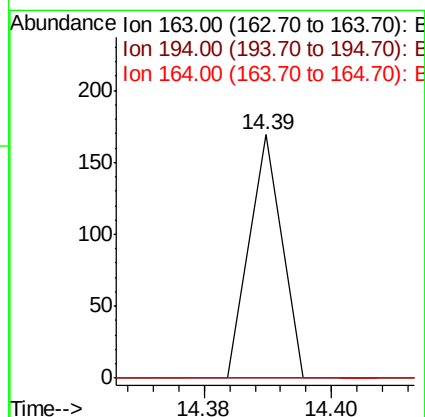
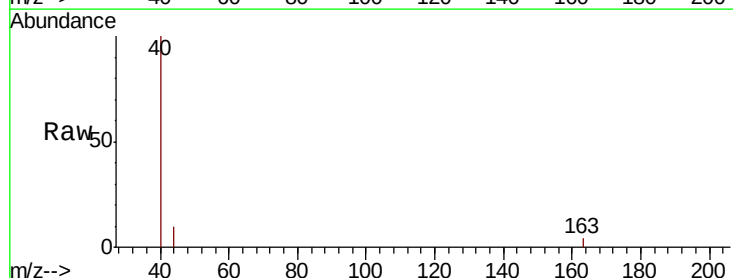
Tgt Ion:163 Resp: 60

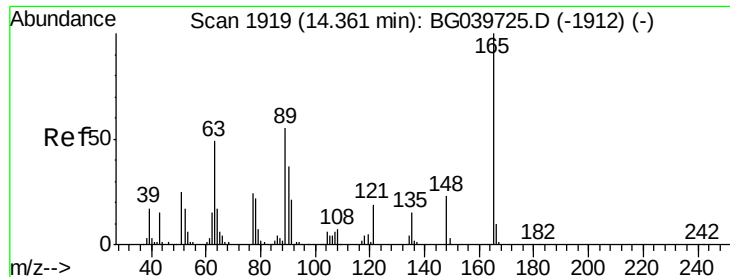
Ion Ratio Lower Upper

163 100

194 0.0 3.6 5.4#

164 0.0 8.4 12.6#

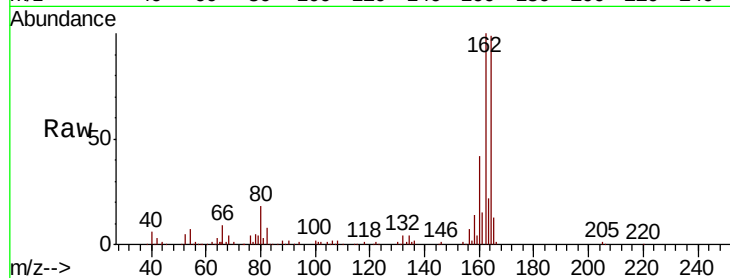




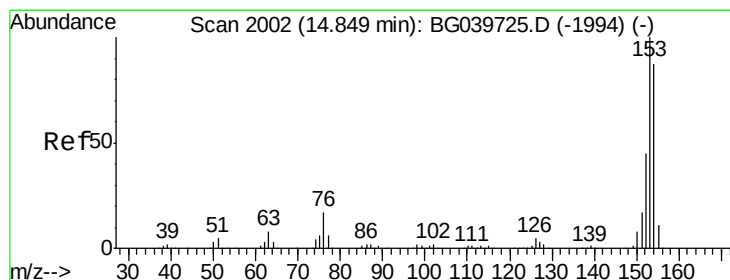
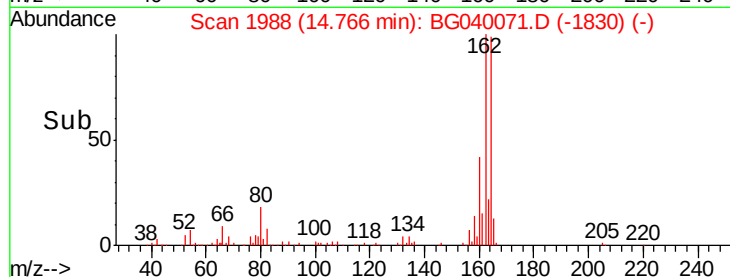
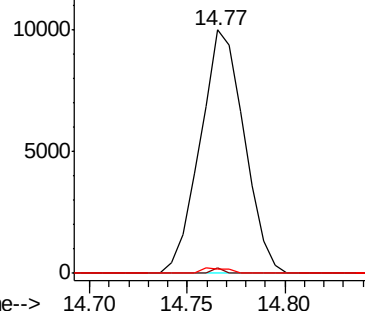
#51
2,6-Dinitrotoluene
Concen: 7.083 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Instrument :
BNA_G
ClientSampleId :
HD-02-032019

Tgt Ion:165 Resp: 15653
Ion Ratio Lower Upper
165 100
63 2.5 47.0 70.6#
89 1.8 45.8 68.8#

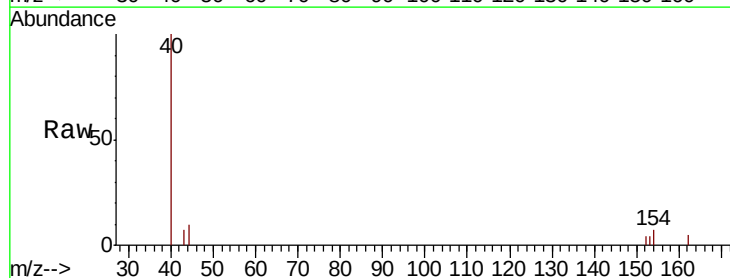


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

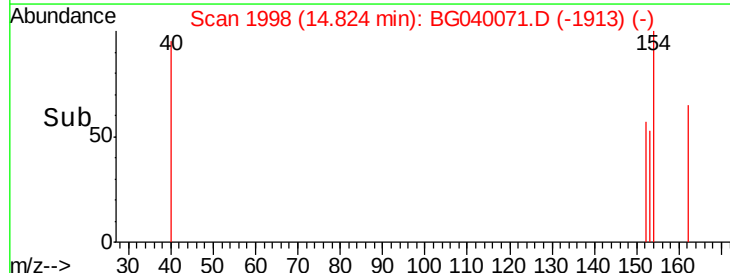
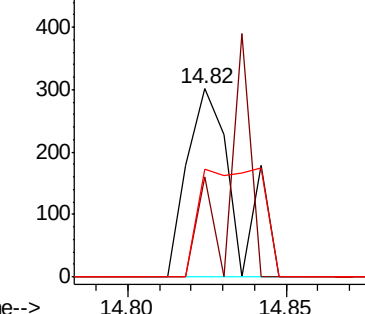


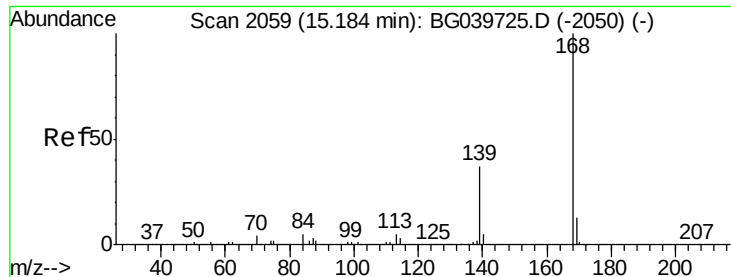
#52
Acenaphthene
Concen: 0.041 ng
RT: 14.82 min Scan# 1998
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion:154 Resp: 312
Ion Ratio Lower Upper
154 100
153 53.2 90.1 135.1#
152 57.1 40.9 61.3



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: 0.005 ng

RT: 15.17 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

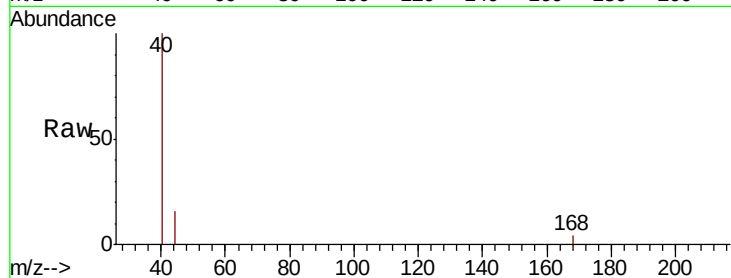
Tgt Ion:168 Resp: 57

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

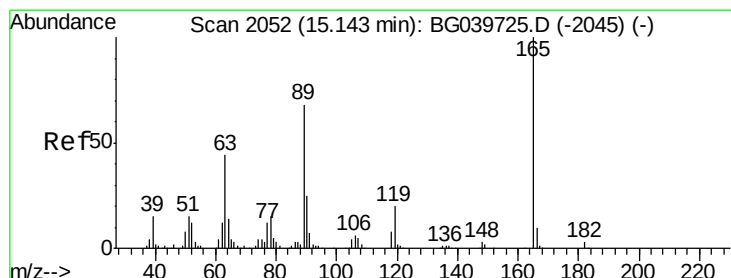
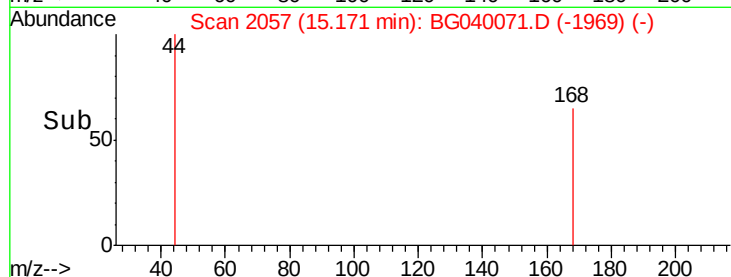
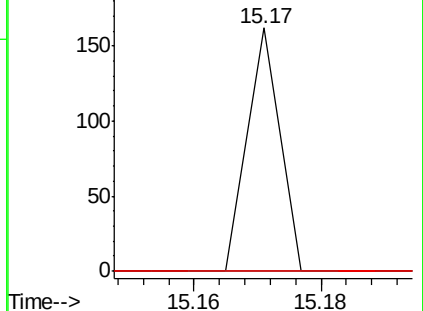
169 0.0 10.6 16.0#



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: 5.041 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.38 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Tgt Ion:165 Resp: 15653

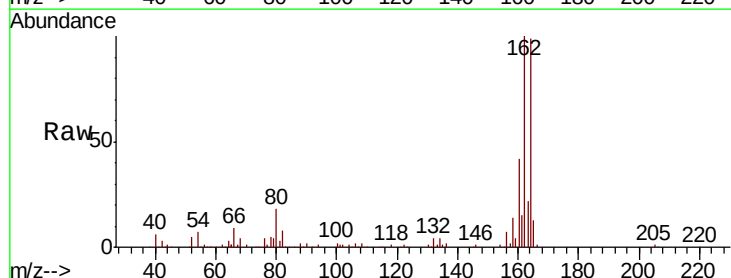
Ion Ratio Lower Upper

165 100

63 2.5 41.0 61.6#

89 1.8 64.6 96.8#

182 0.0 2.0 3.0#

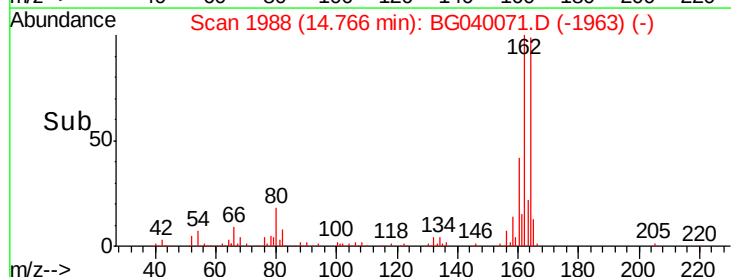
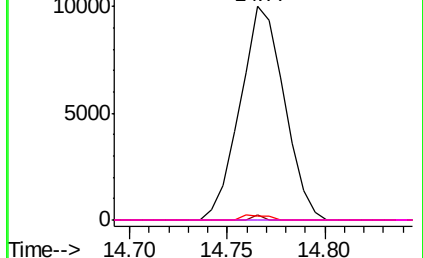


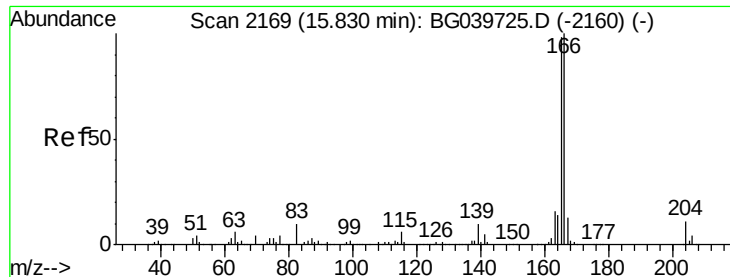
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 0.040 ng

RT: 15.82 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

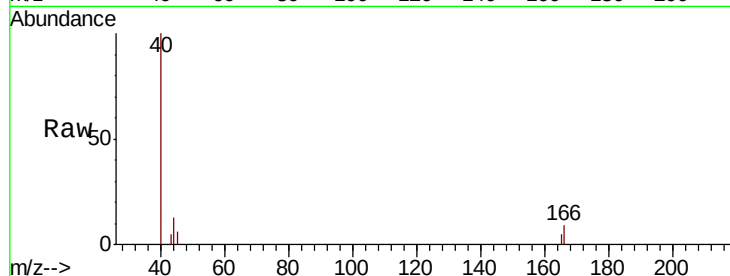
Tgt Ion: 166 Resp: 389

Ion Ratio Lower Upper

166 100

165 50.3 77.9 116.9#

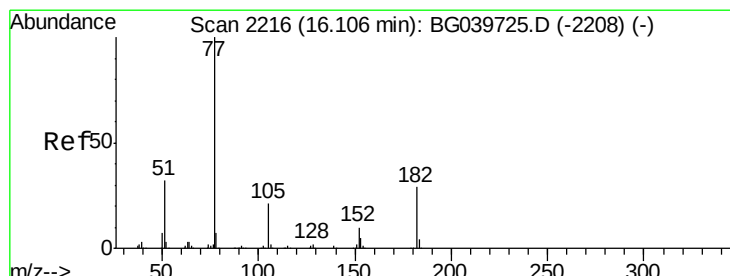
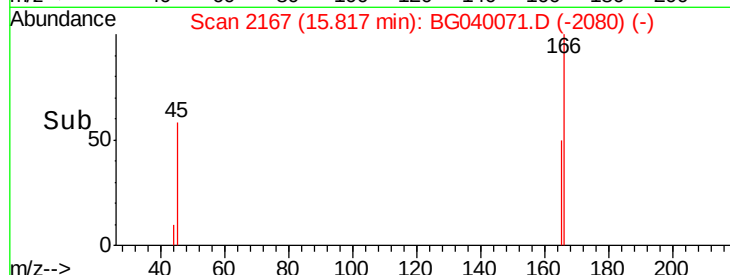
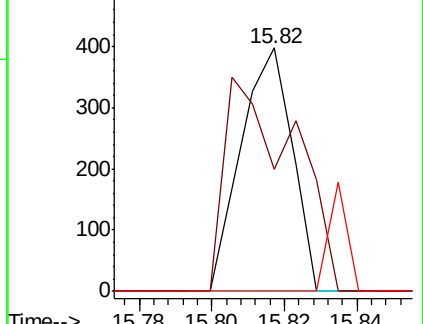
167 0.0 10.8 16.2#



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: 0.103 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.13 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Tgt Ion: 77 Resp: 959

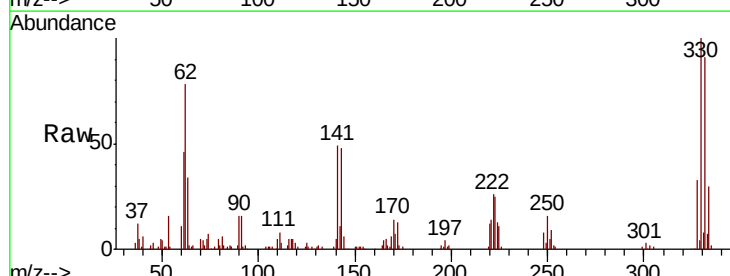
Ion Ratio Lower Upper

77 100

182 0.0 6.4 46.4#

105 76.3 0.0 39.8#

51 51.6 14.1 54.1

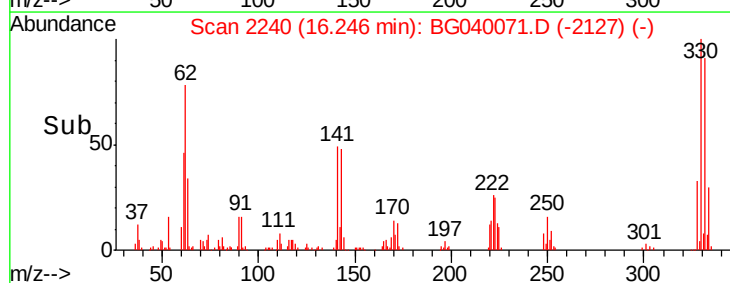
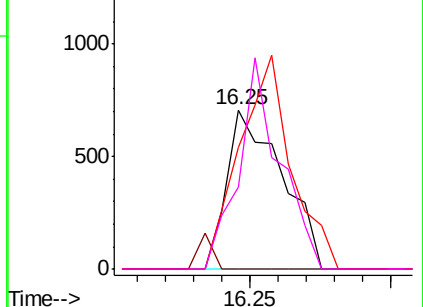


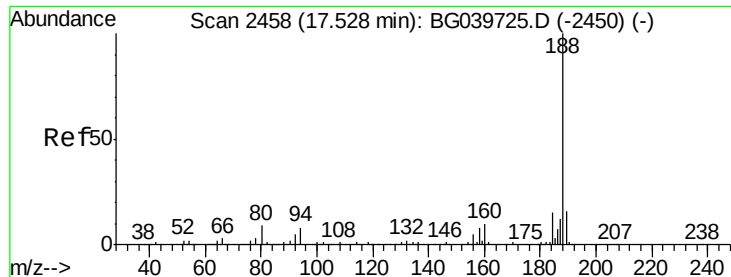
Abundance Ion 77.00 (76.70 to 77.70): BGC

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

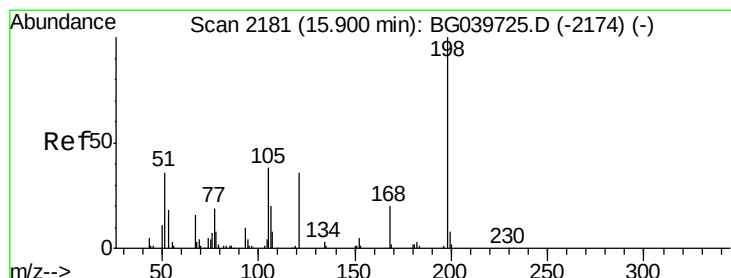
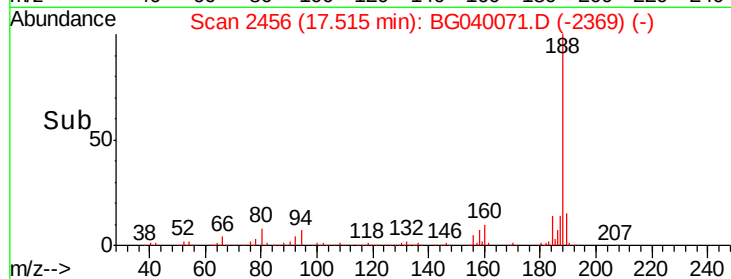
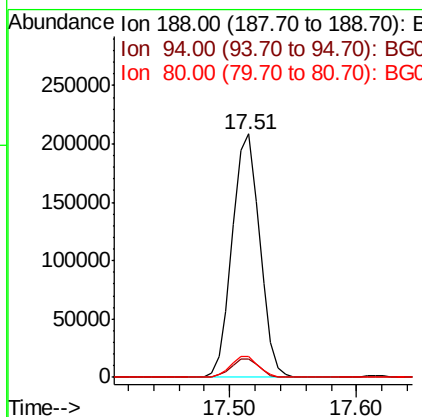
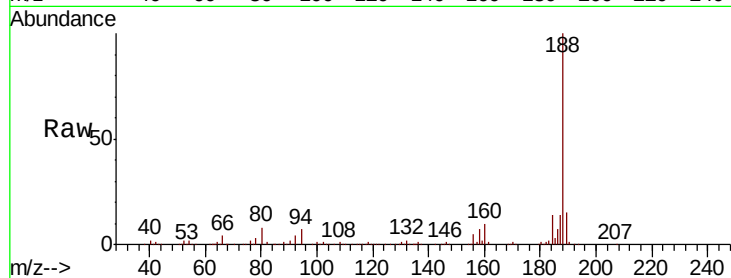




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

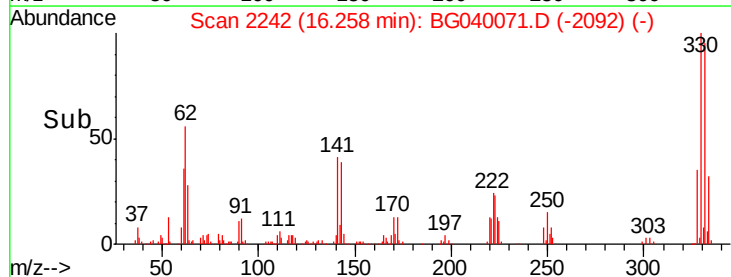
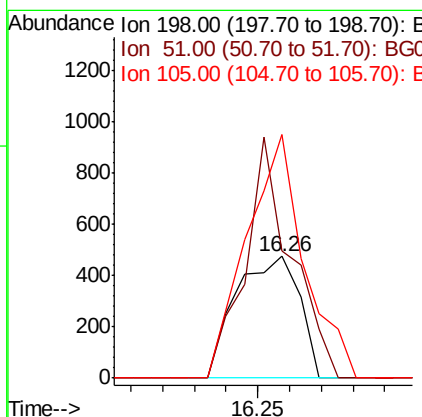
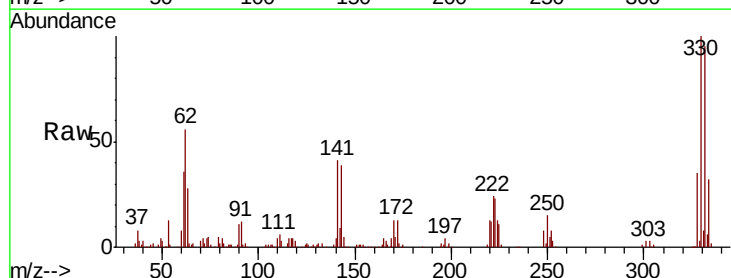
Instrument :
 BNA_G
 ClientSampled :
 HD-02-032019

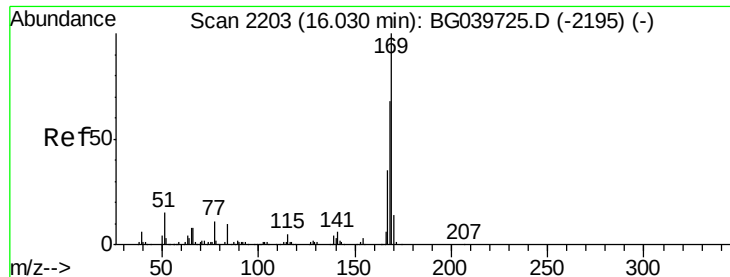
Tgt Ion:188 Resp: 312744
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.9 10.3
 80 8.3 8.1 12.1



#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.354 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. 0.35 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Tgt Ion:198 Resp: 655
 Ion Ratio Lower Upper
 198 100
 51 104.4 27.4 67.4#
 105 199.8 19.7 59.7#

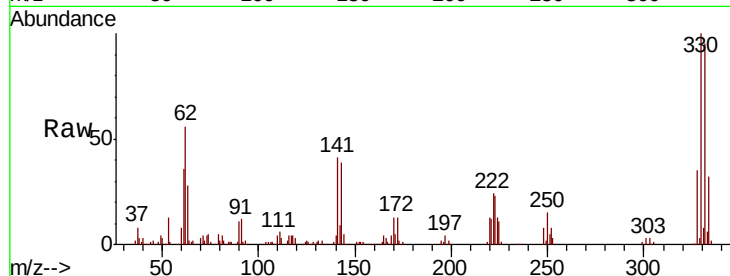




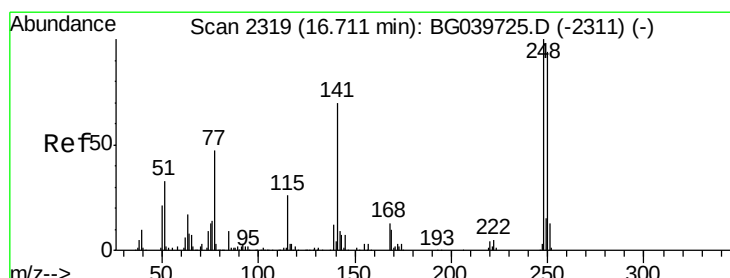
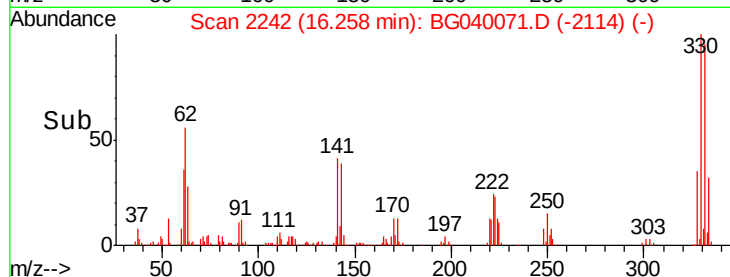
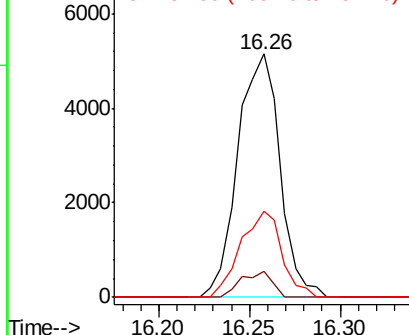
#66
 n-Nitrosodiphenylamine
 Concen: 0.919 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. 0.22 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-032019

Tgt Ion:169 Resp: 8321
 Ion Ratio Lower Upper
 169 100
 168 10.4 56.6 85.0#
 167 35.6 28.8 43.2

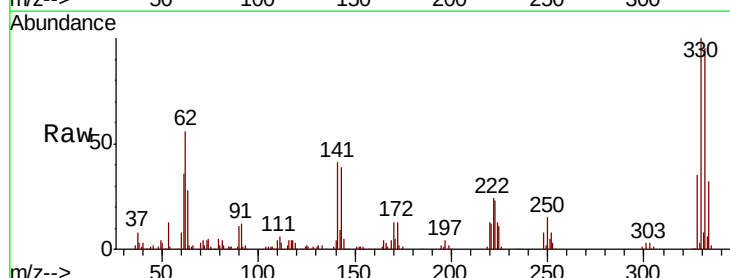


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

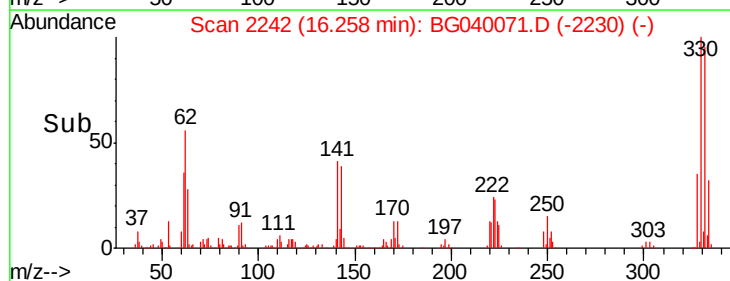
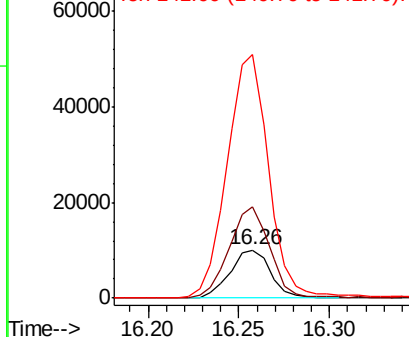


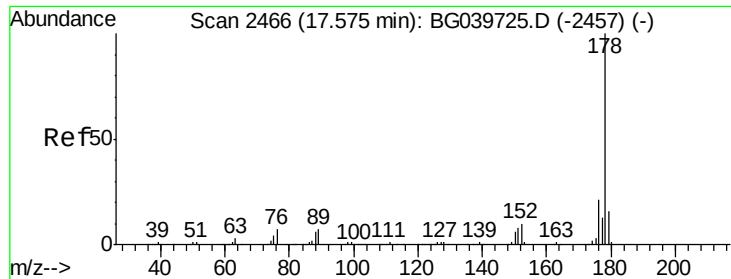
#67
 4-Bromophenyl-phenylether
 Concen: 4.413 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040071.D
 Acq: 21 Mar 2019 18:31

Tgt Ion:248 Resp: 15450
 Ion Ratio Lower Upper
 248 100
 250 192.4 77.6 116.4#
 141 509.9 63.9 95.9#



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

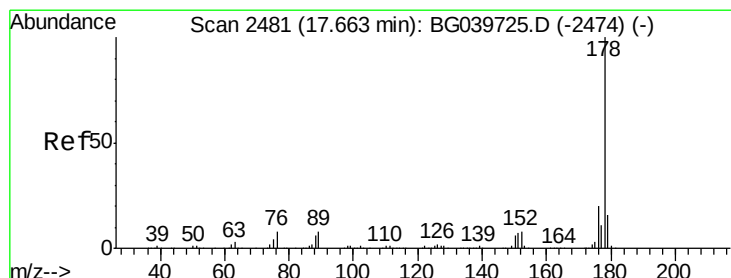
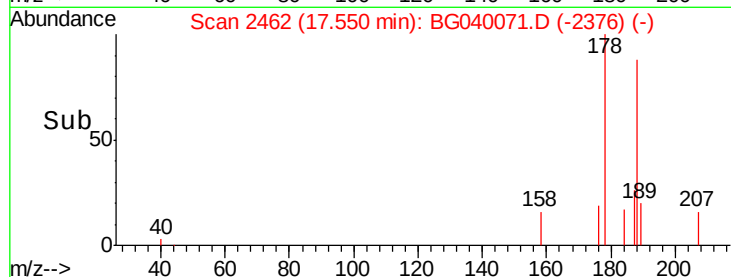
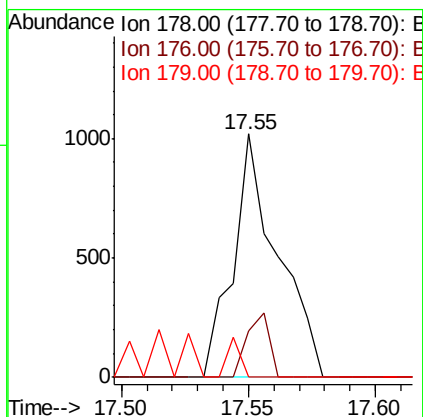
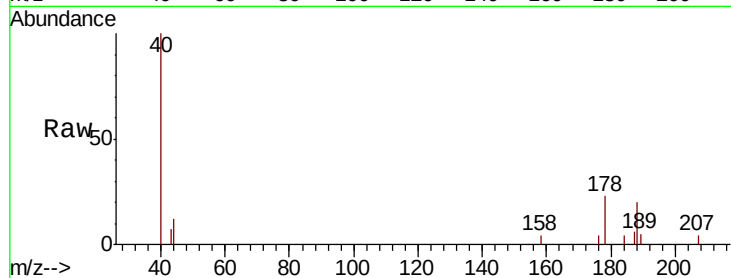




#71
Phenanthrene
Concen: 0.072 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

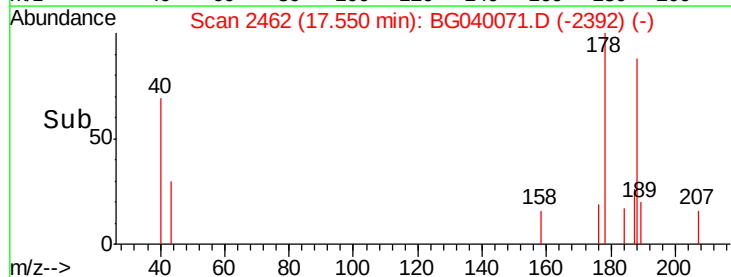
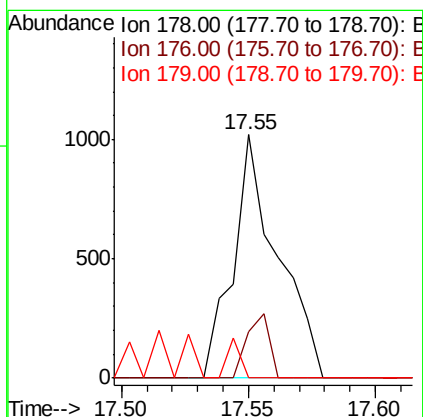
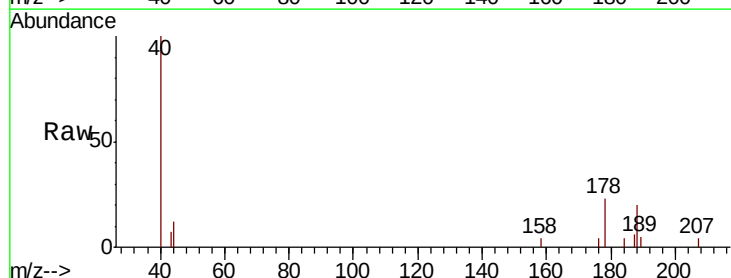
Instrument :
BNA_G
ClientSampleId :
HD-02-032019

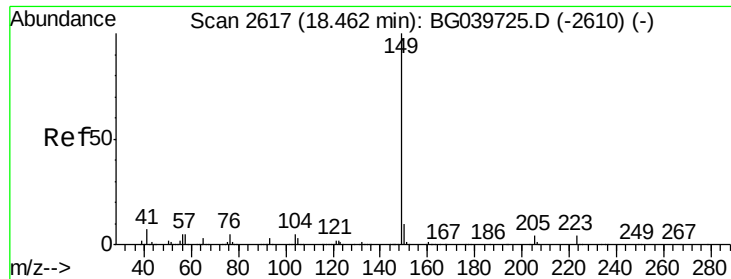
Tgt Ion:178 Resp: 1242
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 0.0 12.6 19.0#



#72
Anthracene
Concen: 0.074 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.12 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion:178 Resp: 1242
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 0.0 12.5 18.7#





#74

Di-n-butylphthalate

Concen: 0.094 ng

RT: 18.44 min Scan# 2614

Delta R.T. -0.03 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

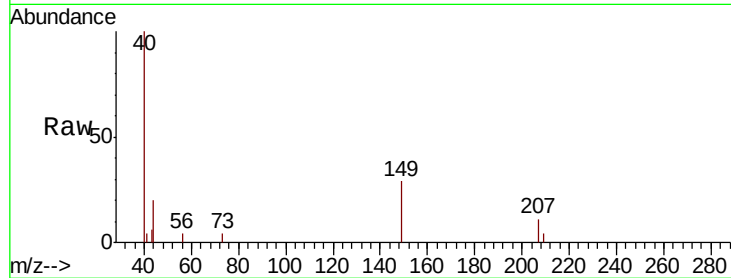
Tgt Ion:149 Resp: 1666

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

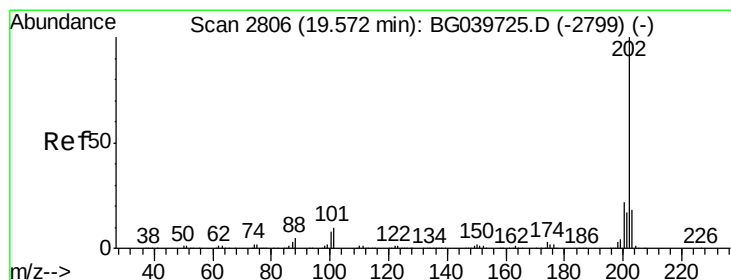
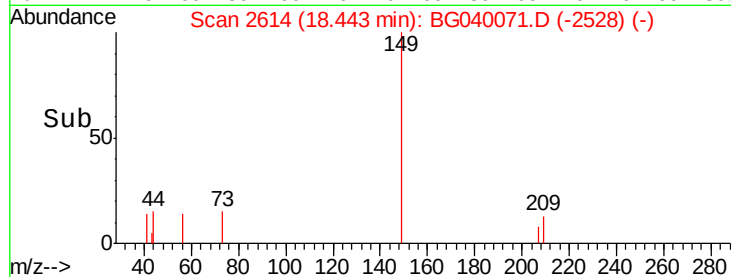
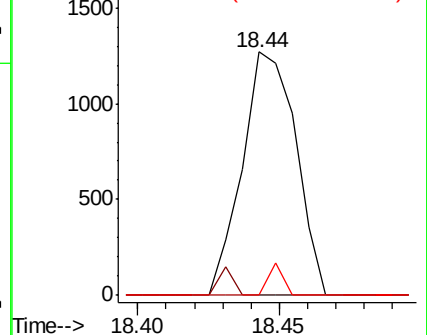
104 0.0 4.5 6.7#



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: 0.007 ng

RT: 19.56 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

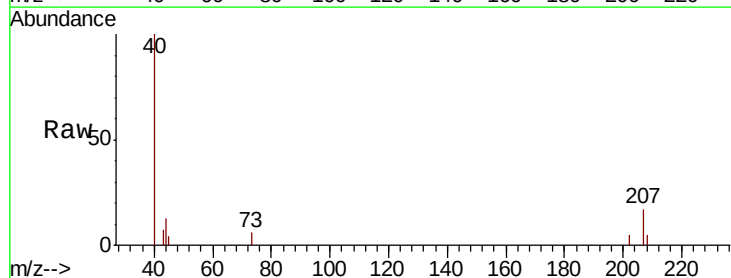
Tgt Ion:202 Resp: 136

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

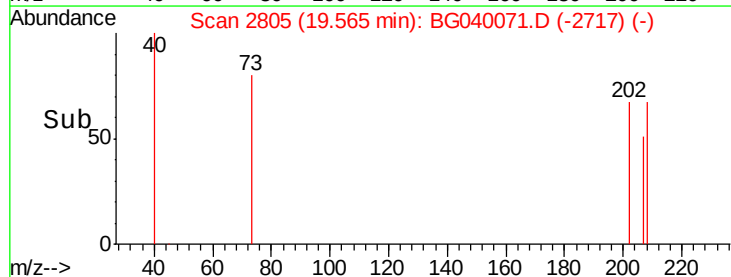
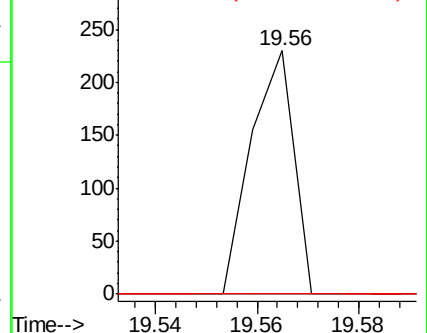
203 0.0 0.0 38.9

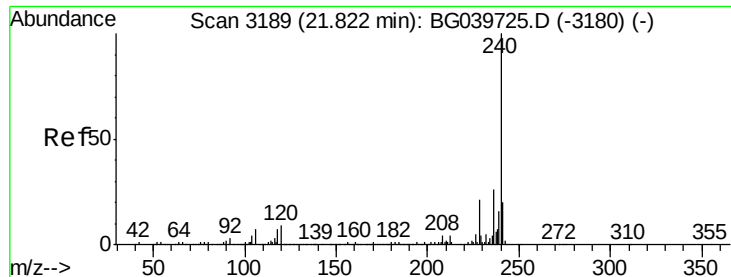


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

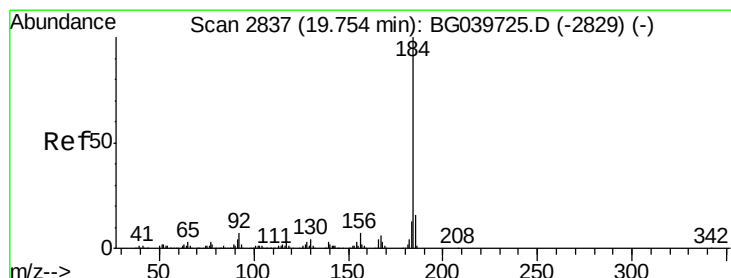
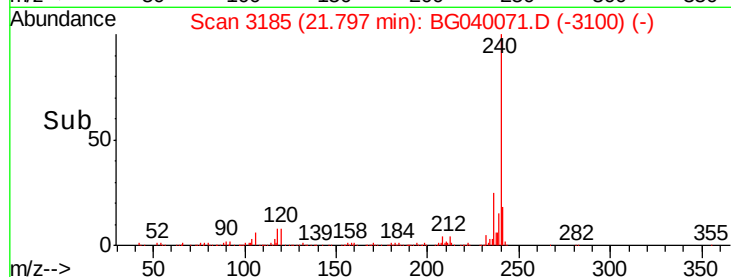
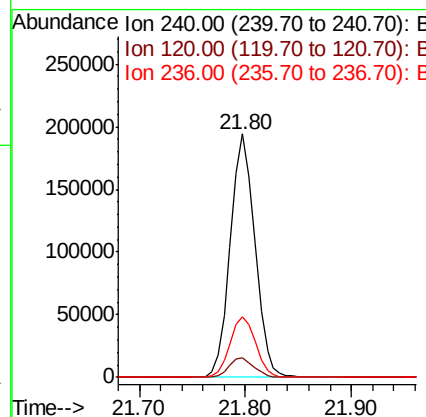
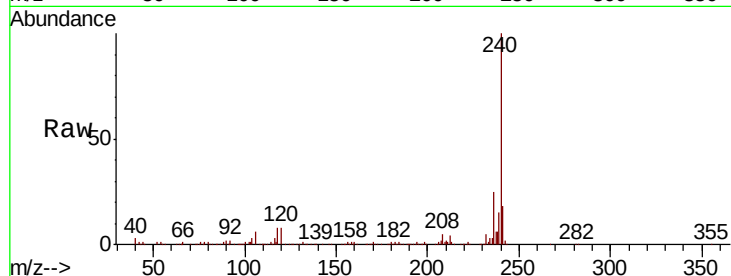




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

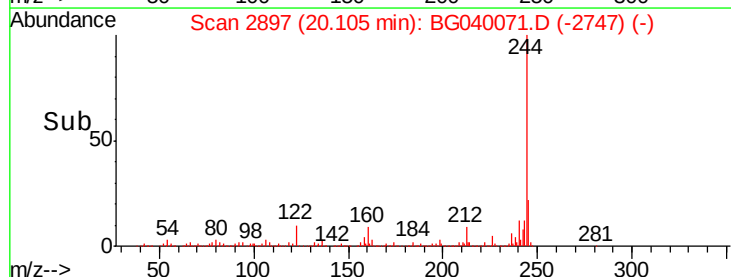
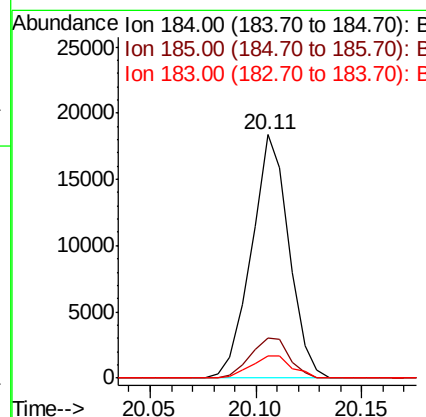
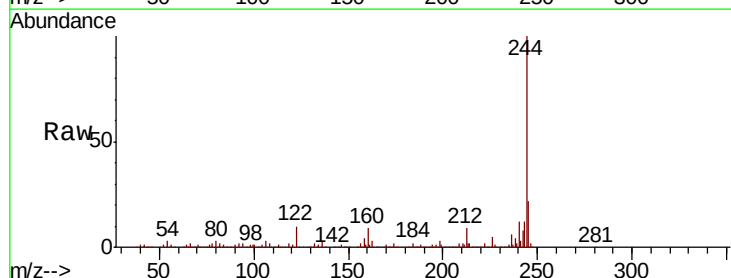
Instrument :
BNA_G
ClientSampleId :
HD-02-032019

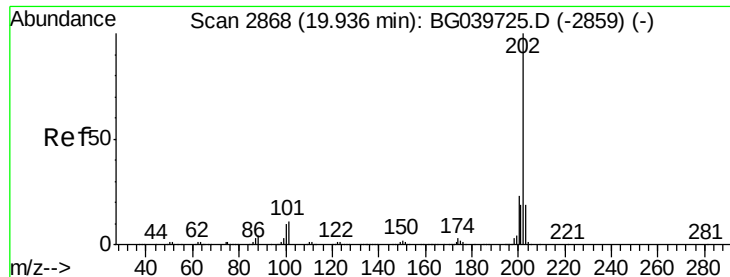
Tgt Ion:240 Resp: 314115
Ion Ratio Lower Upper
240 100
120 7.9 7.0 10.6
236 25.1 21.0 31.4



#77
Benzidine
Concen: 2.267 ng
RT: 20.11 min Scan# 2897
Delta R.T. 0.35 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion:184 Resp: 22595
Ion Ratio Lower Upper
184 100
185 16.5 12.2 18.2
183 8.9 10.6 15.8#





#78

Pyrene

Concen: 0.257 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.16 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

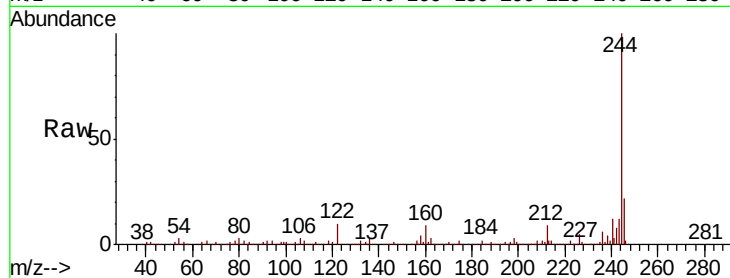
Tgt Ion:202 Resp: 5240

Ion Ratio Lower Upper

202 100

200 45.8 17.8 26.8#

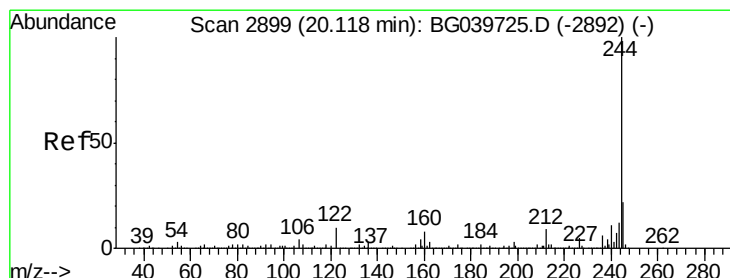
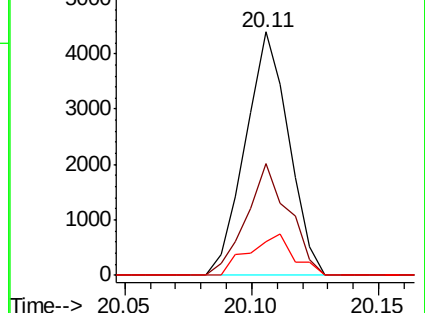
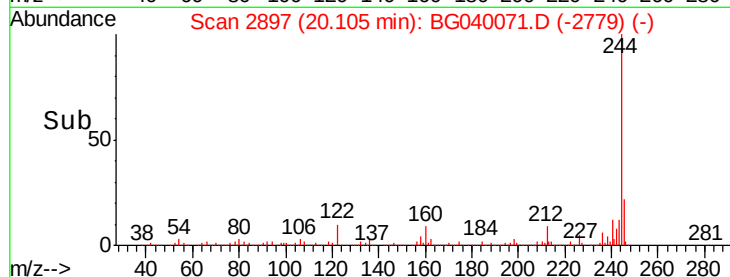
203 14.1 15.3 22.9#



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: 86.699 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

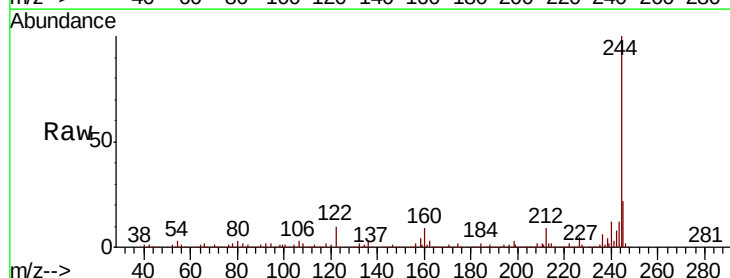
Tgt Ion:244 Resp: 1236868

Ion Ratio Lower Upper

244 100

212 9.3 7.3 10.9

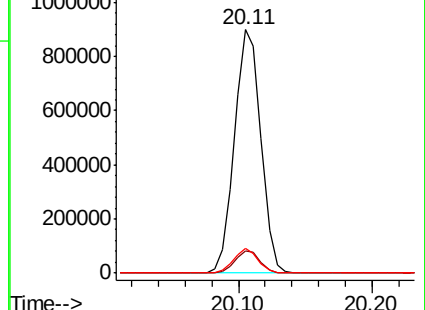
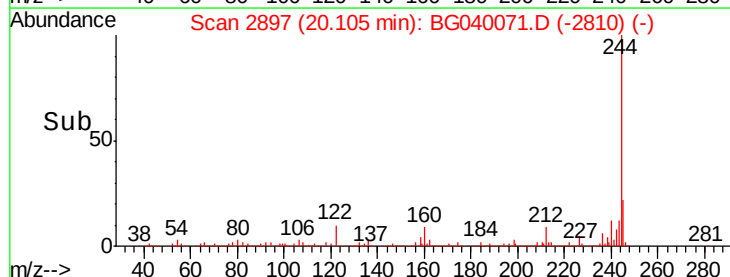
122 10.0 8.4 12.6

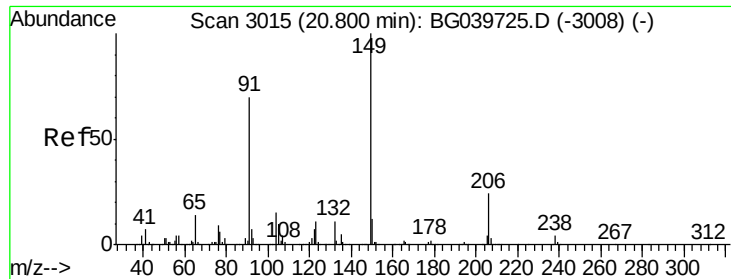


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

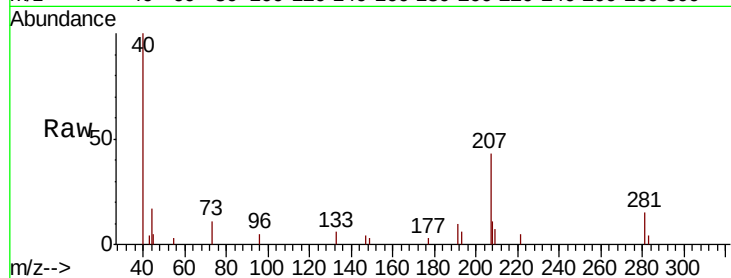




#80
Butylbenzylphthalate
Concen: 0.007 ng
RT: 20.88 min Scan# 3029
Delta R.T. 0.07 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Instrument :
BNA_G
ClientSampleId :
HD-02-032019

Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	59.5	89.3#
206	0.0	18.6	27.8#



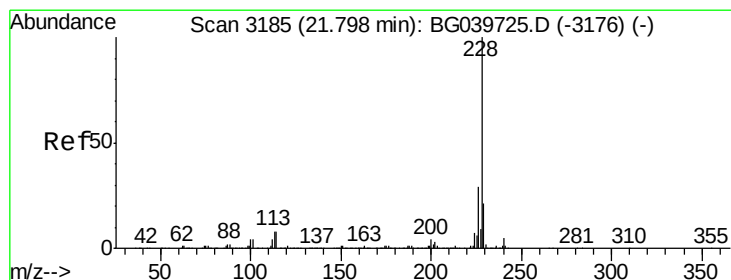
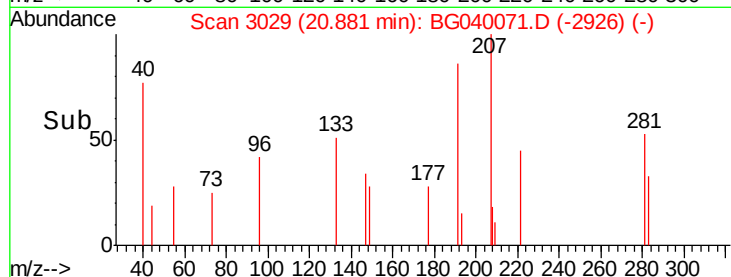
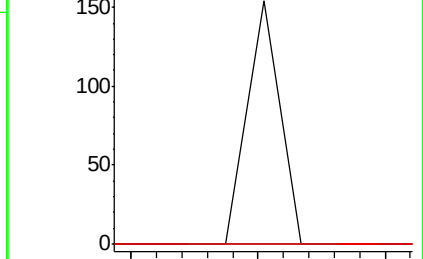
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

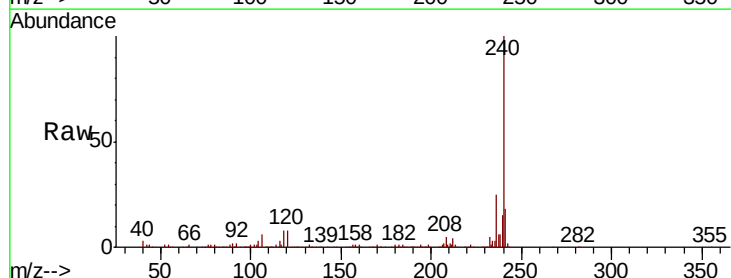
Ion 206.00 (205.70 to 206.70): E

20.88



#81
Benzo(a)anthracene
Concen: 0.047 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.01 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	24.9	16.9	25.3



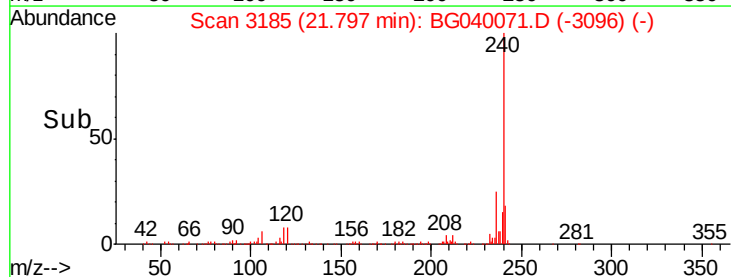
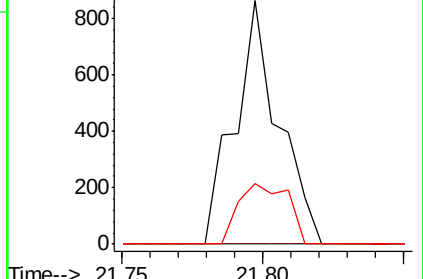
Abundance

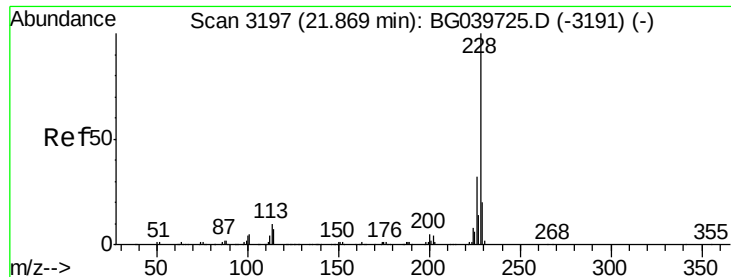
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.80





#83

Chrysene

Concen: 0.049 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.08 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019

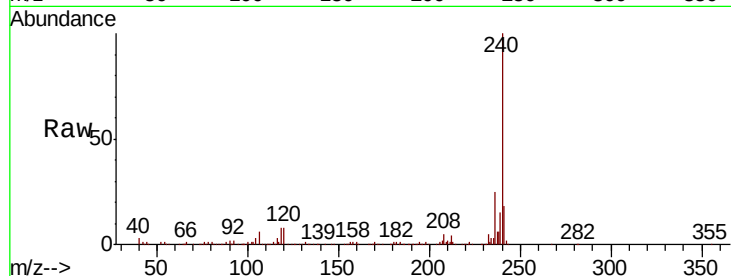
Tgt Ion:228 Resp: 927

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

229 24.9 16.6 25.0

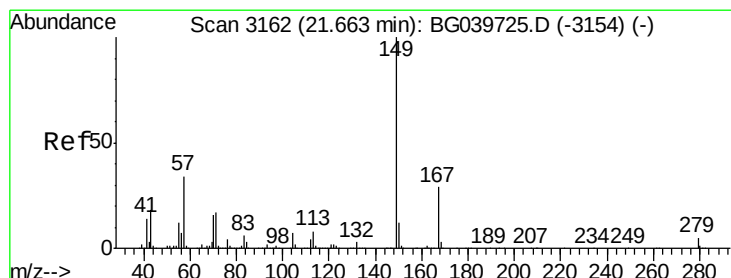
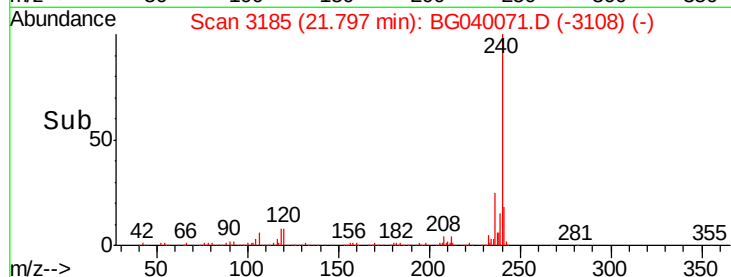
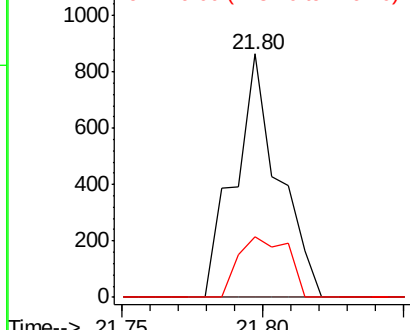


Abundance

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: 0.050 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.03 min

Lab File: BG040071.D

Acq: 21 Mar 2019 18:31

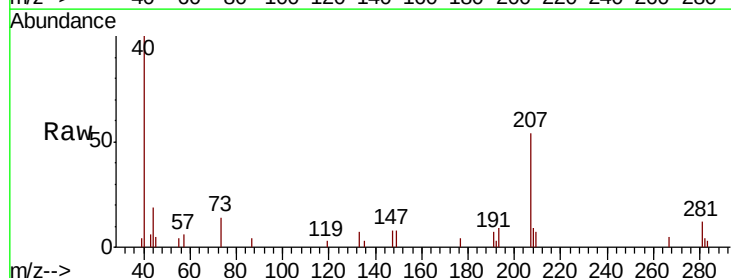
Tgt Ion:149 Resp: 559

Ion Ratio Lower Upper

149 100

167 0.0 22.6 34.0#

279 0.0 3.5 5.3#

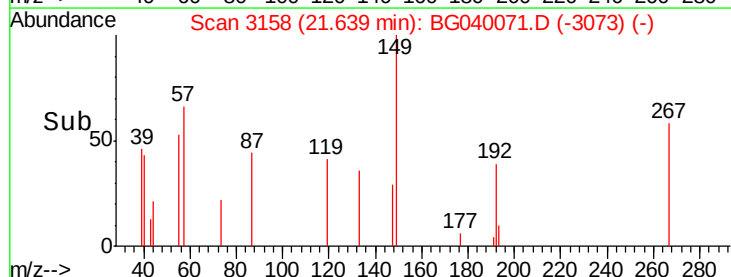
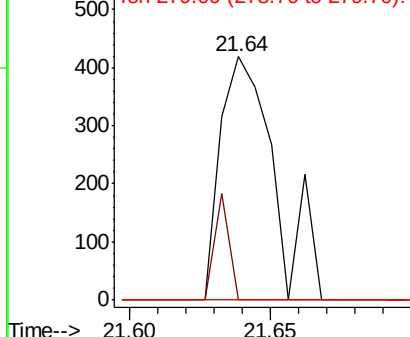


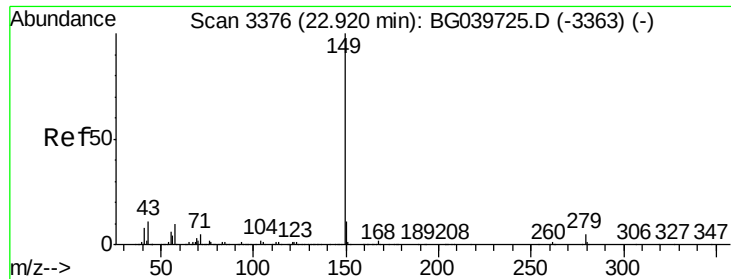
Abundance

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

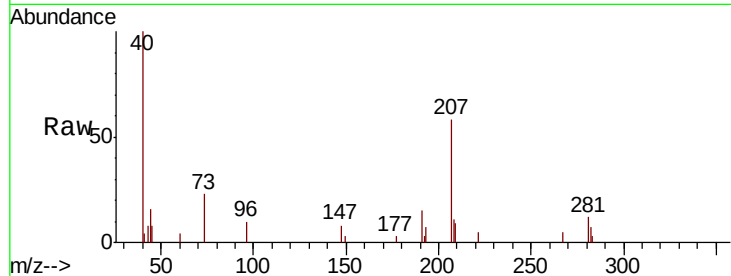




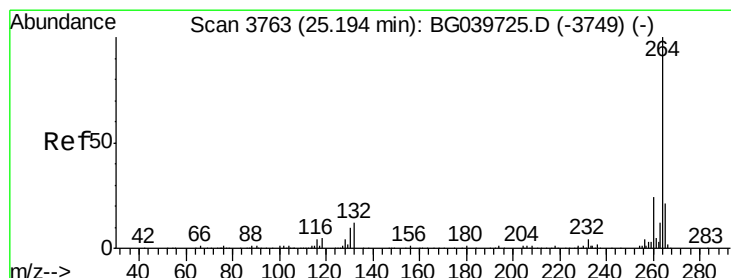
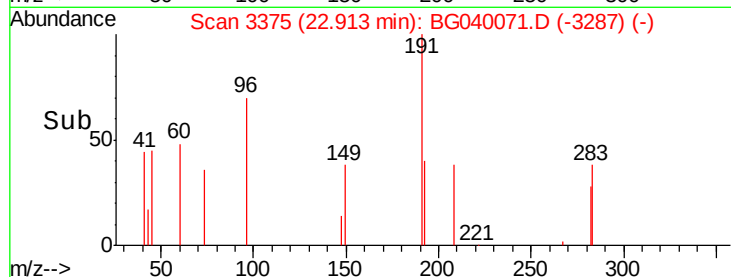
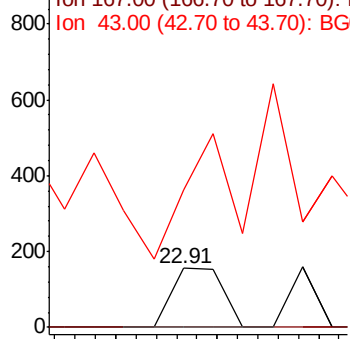
#85
Di-n-octyl phthalate
Concen: 0.006 ng
RT: 22.91 min Scan# 3375
Delta R.T. -0.01 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Instrument :
BNA_G
ClientSampleId :
HD-02-032019

Tgt Ion:149 Resp: 109
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 186.2 10.2 15.4#

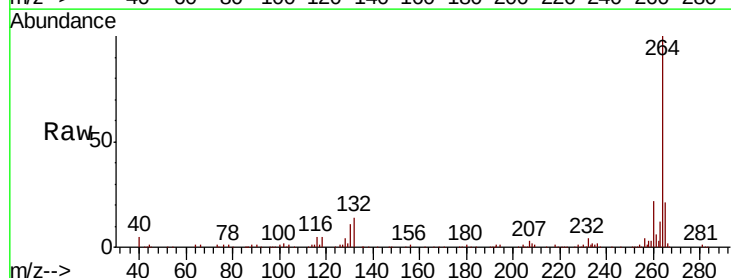


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

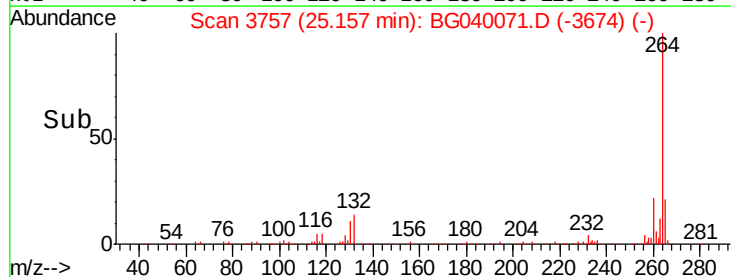
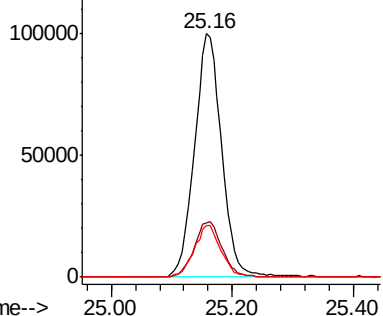


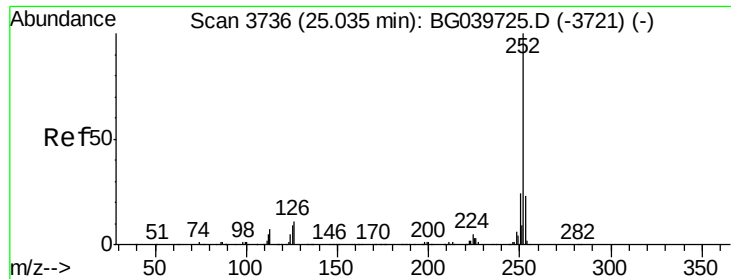
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.16 min Scan# 3757
Delta R.T. -0.04 min
Lab File: BG040071.D
Acq: 21 Mar 2019 18:31

Tgt Ion:264 Resp: 310738
Ion Ratio Lower Upper
264 100
260 22.3 18.2 27.4
265 21.4 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#90

Benzo(a)pyrene

Concen: 0.074 ng

RT: 25.16 min Scan# 3758

Delta R.T. 0.12 min

Lab File: BG040071.D

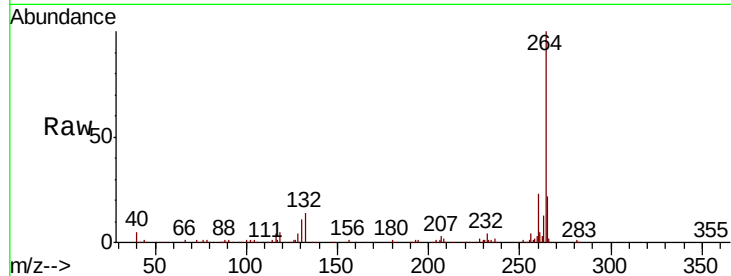
Acq: 21 Mar 2019 18:31

Instrument :

BNA_G

ClientSampleId :

HD-02-032019



Tgt Ion:	252	Resp:	1266
Ion	Ratio	Lower	Upper
252	100		
253	40.4	17.9	26.9#
125	0.0	8.3	12.5#

