

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032619\
 Data File : BG040162.D
 Acq On : 27 Mar 2019 00:59
 Operator : JU/SJ
 Sample : K2099-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-C05-SETTLED-2H-A

Quant Time: Mar 27 03:00:24 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	8.14	152	41184	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	166016	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	114065	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	268596	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	272146	20.00	ng	-0.04
87) Perylene-d12	25.15	264	275340	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.69	112	118701	49.17	ng	-0.02
7) Phenol-d6	7.28	99	113375	31.50	ng	-0.03
23) Nitrobenzene-d5	9.31	82	308922	100.64	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	138368	104.07	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	723321	90.29	ng	-0.03
79) Terphenyl-d14	20.10	244	993612	80.39	ng	-0.02

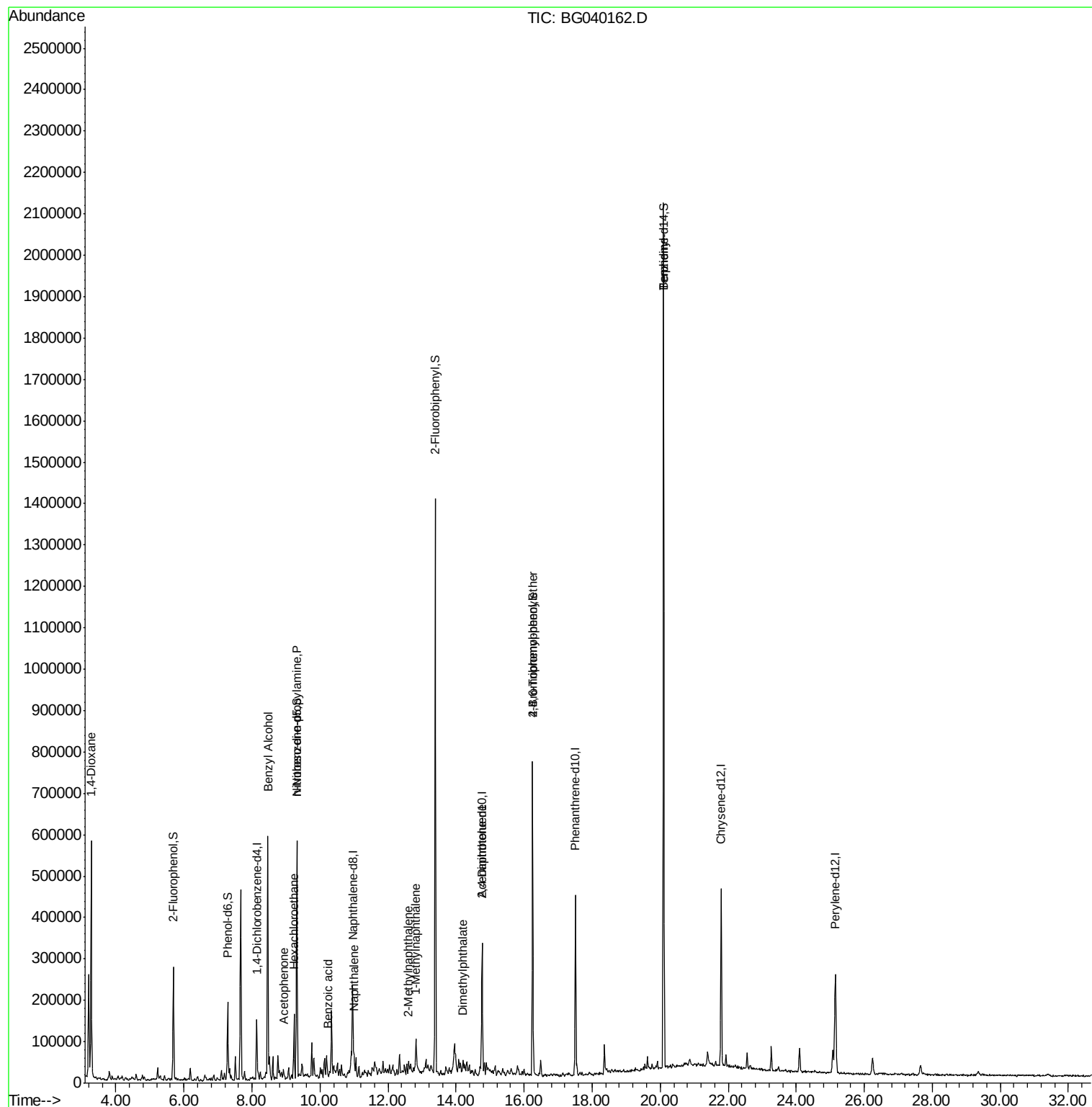
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	4801	4.308	ng	# 1
15) Benzyl Alcohol	8.46	79	5905	2.068	ng	# 60
18) Hexachloroethane	9.24	117	15614	12.898	ng	# 1
19) n-Nitroso-di-n-propylamine	9.32	70	42179	16.280	ng	# 66
22) Acetophenone	8.93	105	17459	3.918	ng	# 48
31) Naphthalene	11.01	128	17732	2.017	ng	# 83
32) Benzoic acid	10.23	122	314	6.761	ng	# 71
37) 2-Methylnaphthalene	12.60	142	18523	2.819	ng	# 93
38) 1-Methylnaphthalene	12.82	142	21878	3.426	ng	# 96
50) Dimethylphthalate	14.20	163	19418	2.036	ng	# 95
57) 2,4-Dinitrotoluene	14.76	165	15655	5.510	ng	# 22
67) 4-Bromophenyl-phenylether	16.25	248	10808	3.595	ng	# 1
77) Benzidine	20.10	184	17756	2.056	ng	# 90

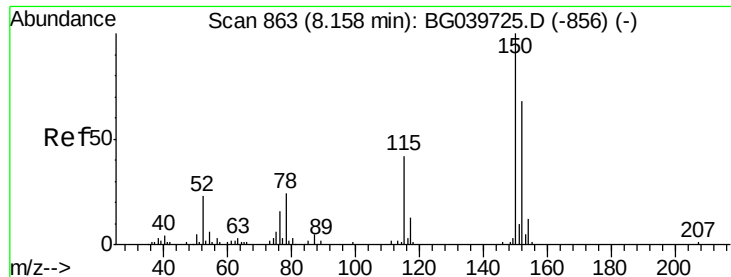
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

ClientSampleId :

MH-C05-SETTLED-2H-A

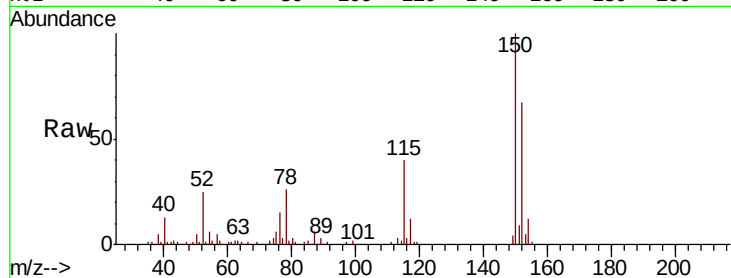
Tgt Ion:152 Resp: 41184

Ion Ratio Lower Upper

152 100

150 148.4 123.7 185.5

115 59.9 45.9 68.9

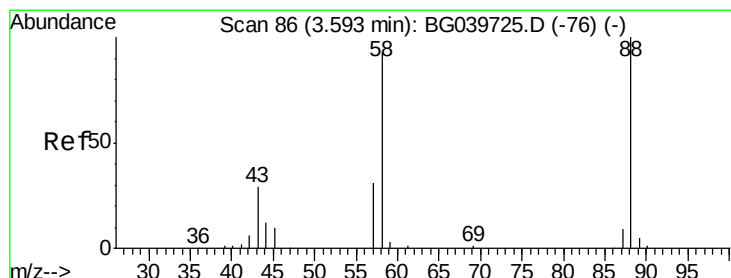
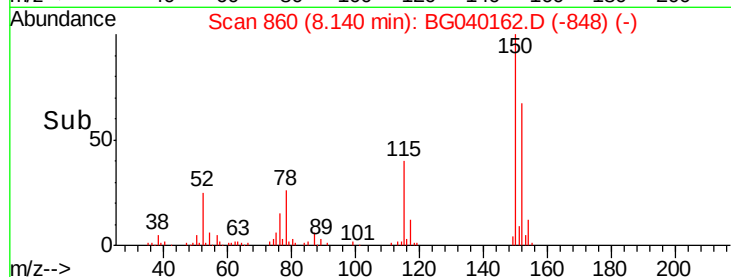
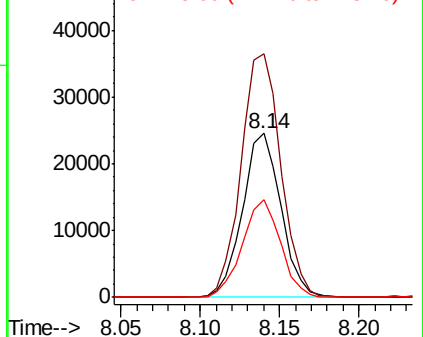


Abundance

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: 4.308 ng

RT: 3.27 min Scan# 31

Delta R.T. -0.34 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

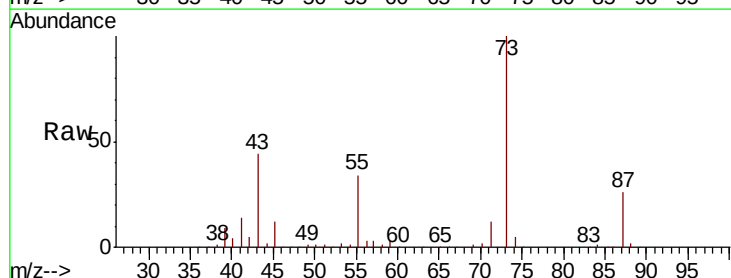
Tgt Ion: 88 Resp: 4801

Ion Ratio Lower Upper

88 100

58 53.6 81.1 121.7#

43 2718.8 31.4 47.0#

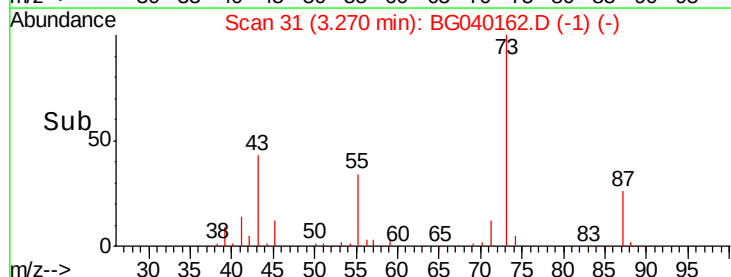
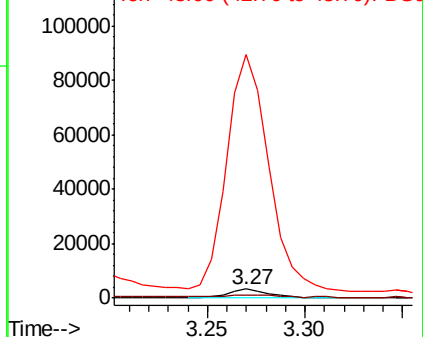


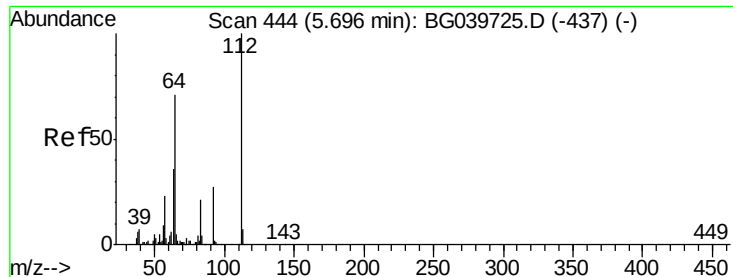
Abundance

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





#5

2-Fluorophenol

Concen: 49.171 ng

RT: 5.69 min Scan# 443

Delta R.T. -0.02 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

ClientSampleId :

MH-C05-SETTLED-2H-A

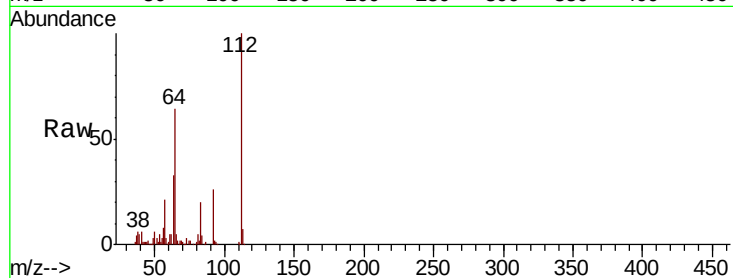
Tgt Ion: 112 Resp: 118701

Ion Ratio Lower Upper

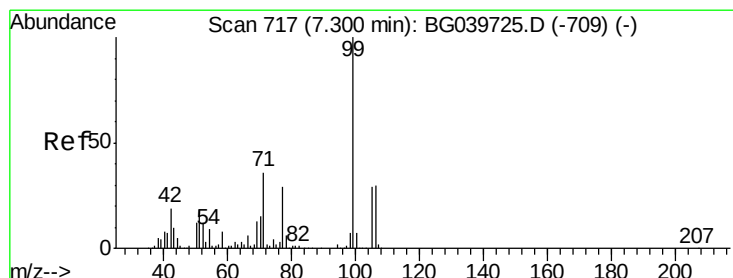
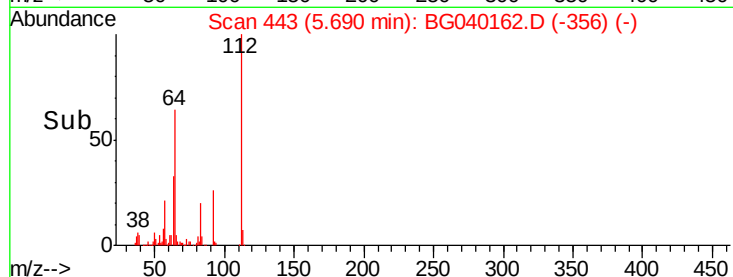
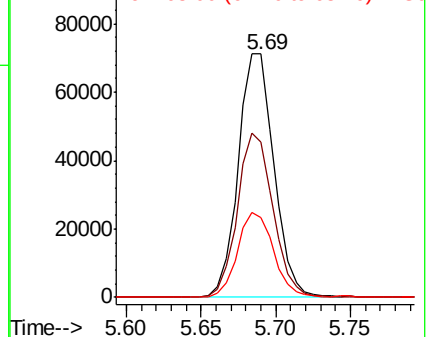
112 100

64 63.7 57.8 86.8

63 32.8 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



#7

Phenol-d6

Concen: 31.497 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.03 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

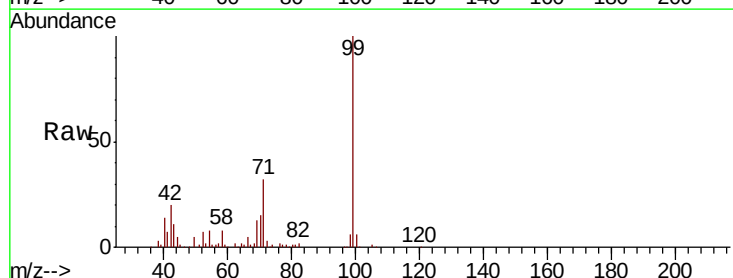
Tgt Ion: 99 Resp: 113375

Ion Ratio Lower Upper

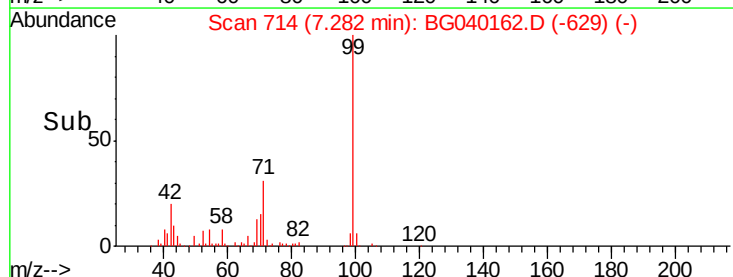
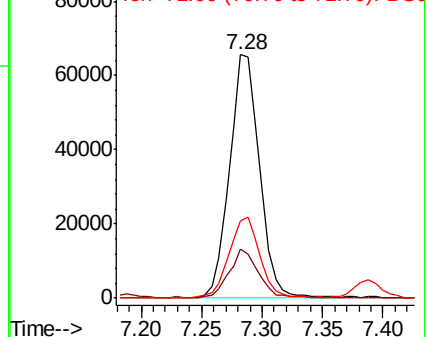
99 100

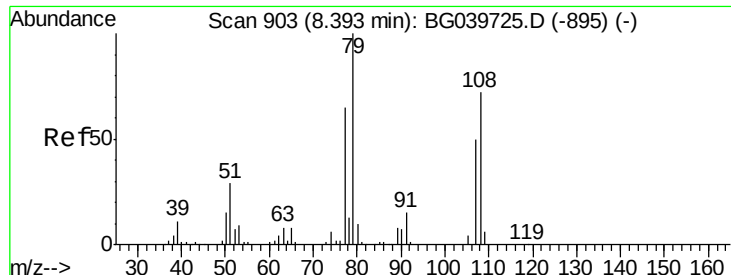
42 20.1 18.2 27.2

71 31.7 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





#15

Benzyl Alcohol

Concen: 2.068 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.05 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

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MH-C05-SETTLED-2H-A

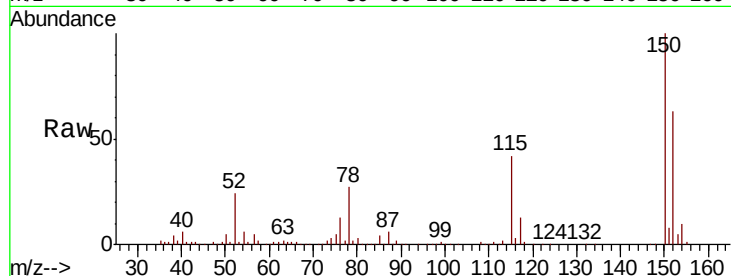
Tgt Ion: 79 Resp: 5905

Ion Ratio Lower Upper

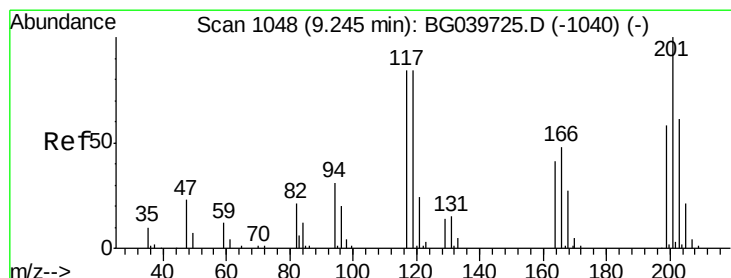
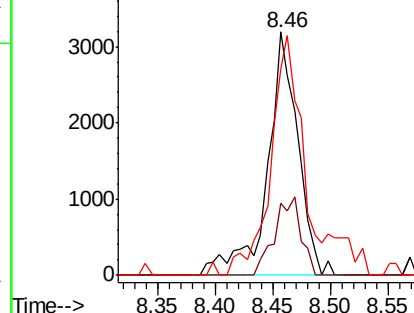
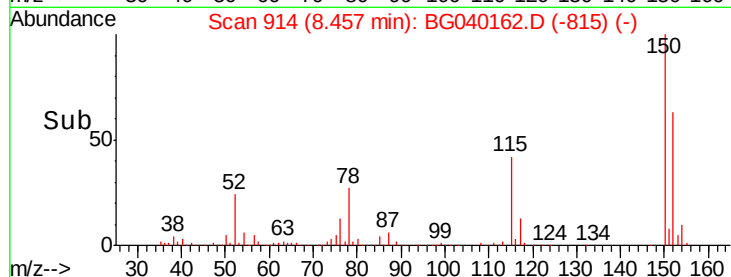
79 100

108 29.6 57.8 86.6#

77 84.8 51.1 76.7#



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



#18

Hexachloroethane

Concen: 12.898 ng

RT: 9.24 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

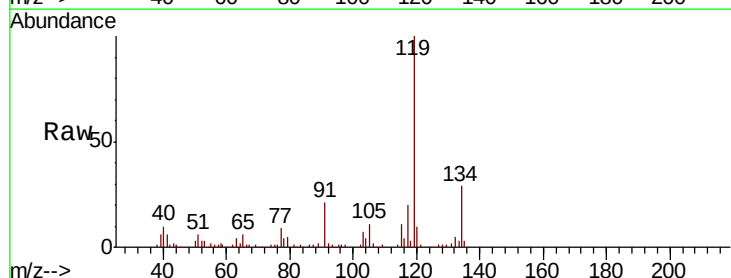
Tgt Ion: 117 Resp: 15614

Ion Ratio Lower Upper

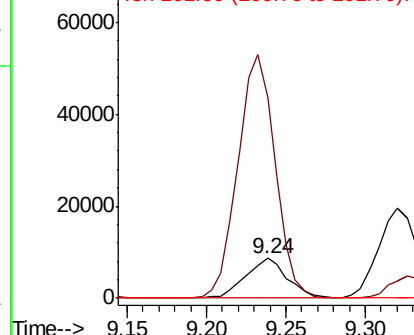
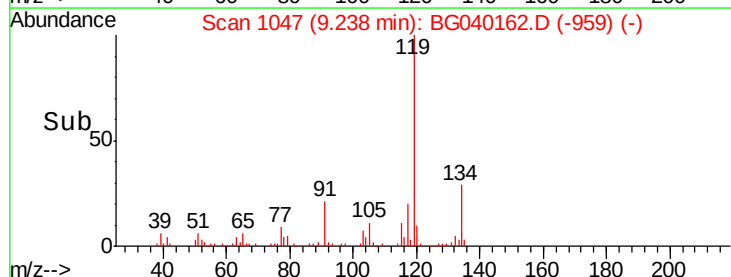
117 100

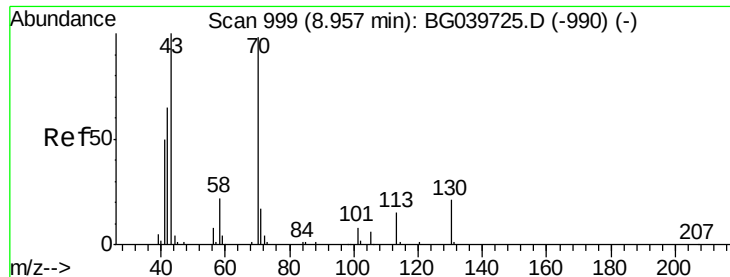
119 500.9 76.3 114.5#

201 0.0 91.1 136.7#



Abundance Ion 117.00 (116.70 to 117.70): BGC
Ion 119.00 (118.70 to 119.70): BGC
Ion 201.00 (200.70 to 201.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.280 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

ClientSampleId :

MH-C05-SETTLED-2H-A

Tgt Ion: 70 Resp: 42179

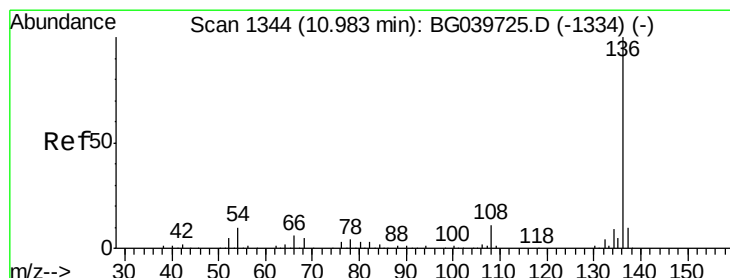
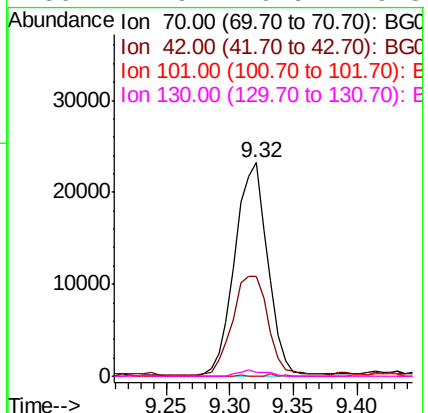
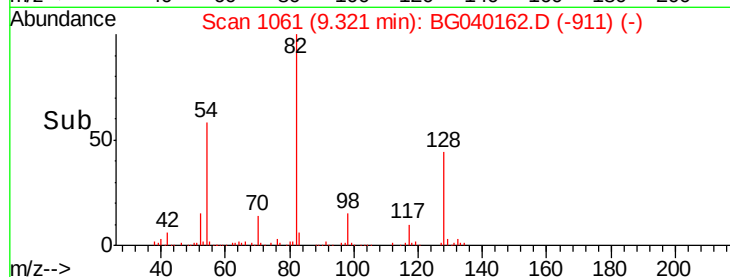
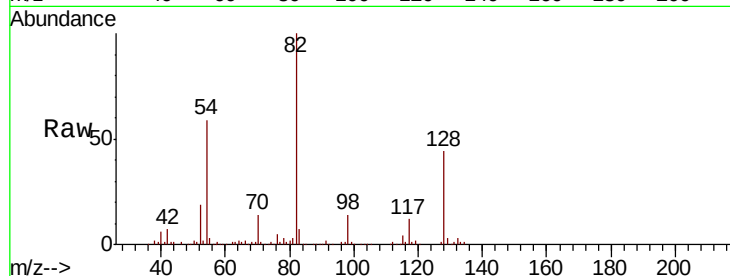
Ion Ratio Lower Upper

70 100

42 46.9 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# 1340

Delta R.T. -0.03 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Tgt Ion: 136 Resp: 166016

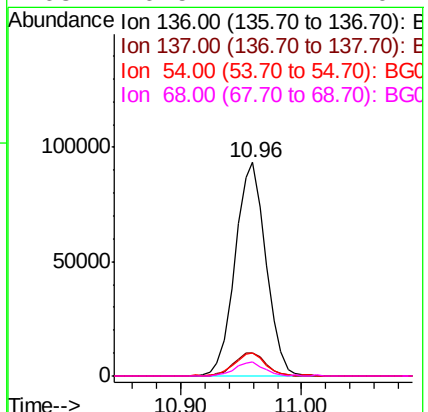
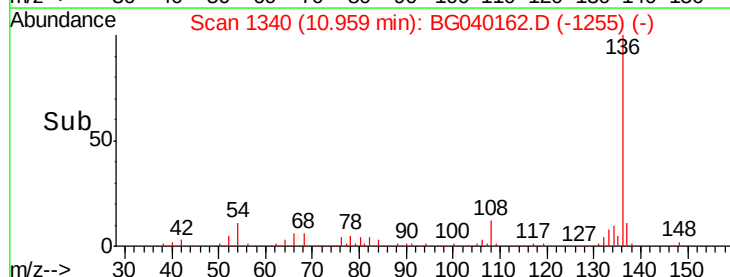
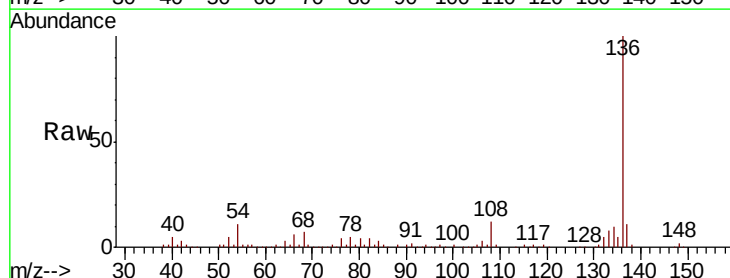
Ion Ratio Lower Upper

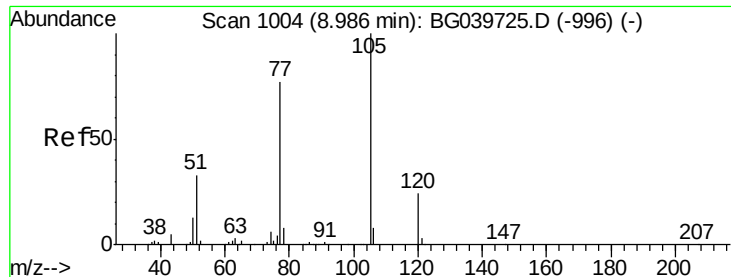
136 100

137 11.0 9.1 13.7

54 10.8 9.4 14.2

68 6.5 4.2 6.4#

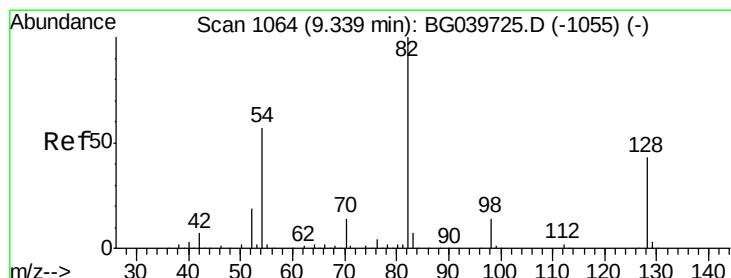
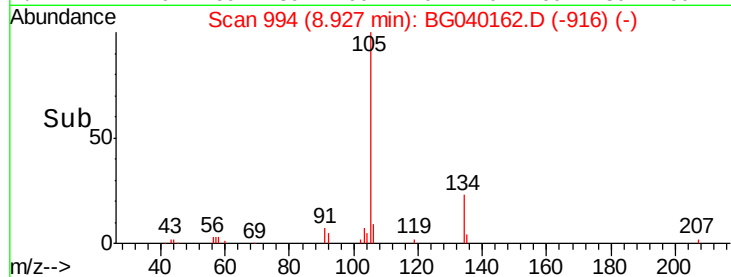
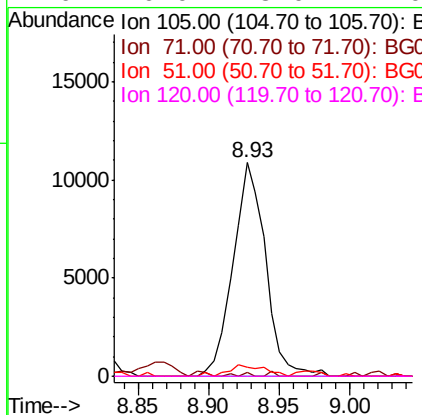
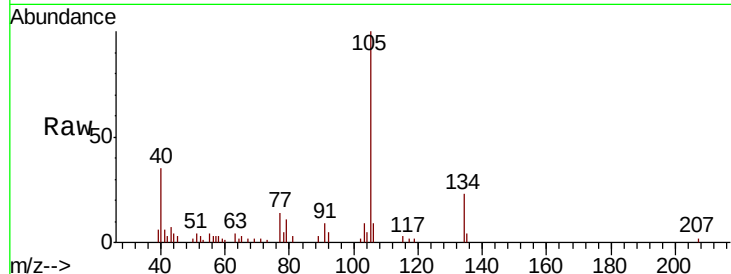




#22
 Acetophenone
 Concen: 3.918 ng
 RT: 8.93 min Scan# 994
 Delta R.T. -0.07 min
 Lab File: BG040162.D
 Acq: 27 Mar 2019 00:59

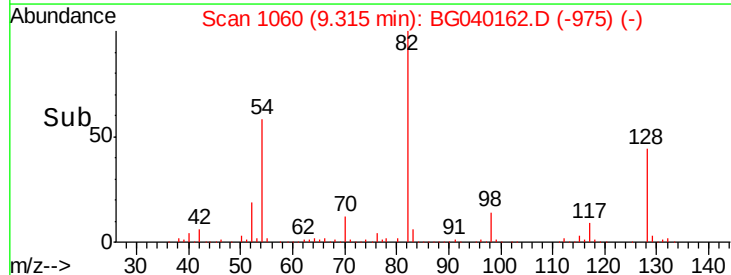
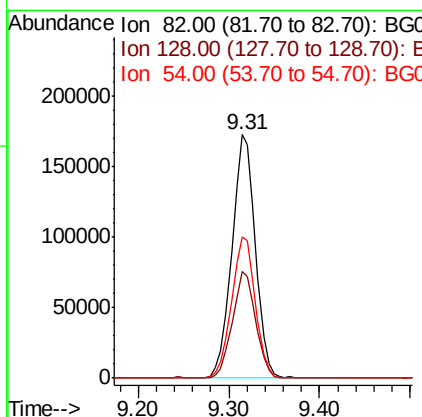
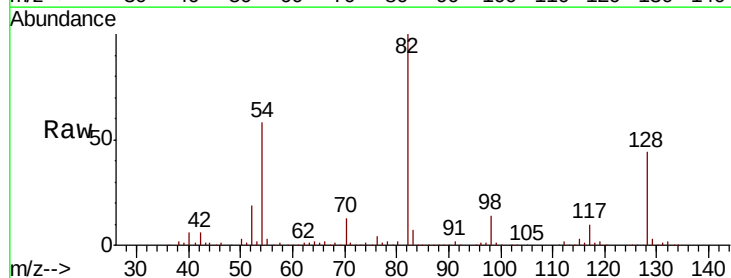
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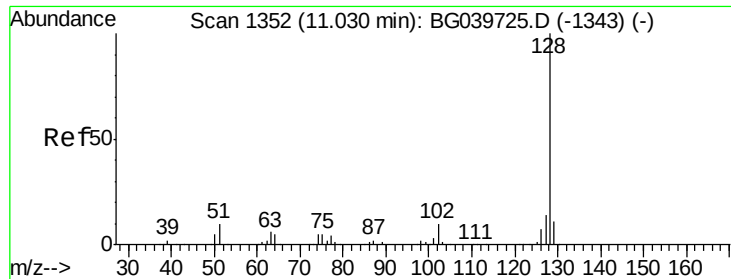
Tgt Ion: 105 Resp: 17459
 Ion Ratio Lower Upper
 105 100
 71 2.0 0.8 1.2#
 51 4.0 30.2 45.2#
 120 0.0 18.0 27.0#



#23
 Nitrobenzene-d5
 Concen: 100.639 ng
 RT: 9.31 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040162.D
 Acq: 27 Mar 2019 00:59

Tgt Ion: 82 Resp: 308922
 Ion Ratio Lower Upper
 82 100
 128 43.9 31.3 46.9
 54 58.3 50.9 76.3

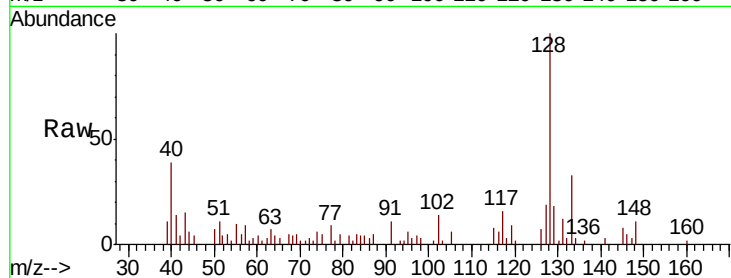




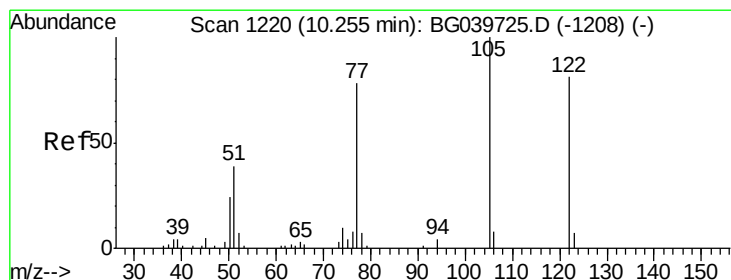
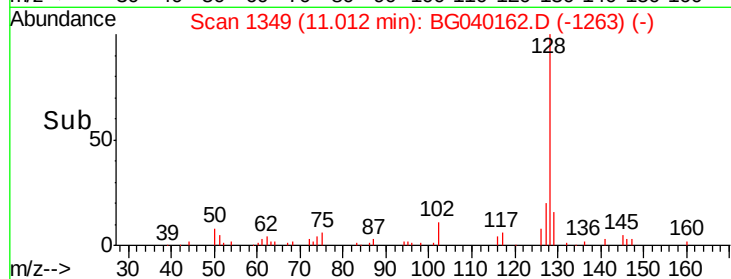
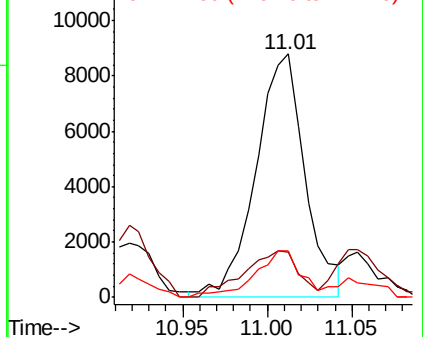
#31
Naphthalene
Concen: 2.017 ng
RT: 11.01 min Scan# 1349
Delta R.T. -0.02 min
Lab File: BG040162.D
Acq: 27 Mar 2019 00:59

Instrument :
BNA_G
ClientSampleId :
MH-C05-SETTLED-2H-A

Tgt Ion:128 Resp: 17732
Ion Ratio Lower Upper
128 100
129 18.4 8.7 13.1#
127 19.2 10.8 16.2#

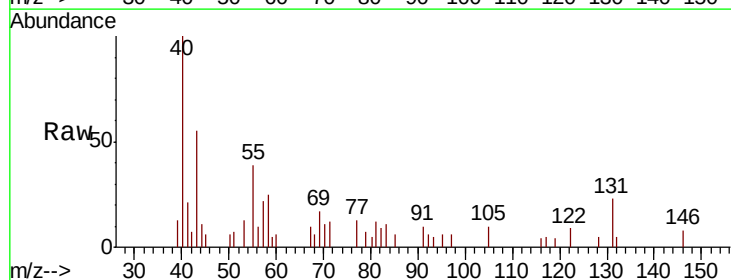


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

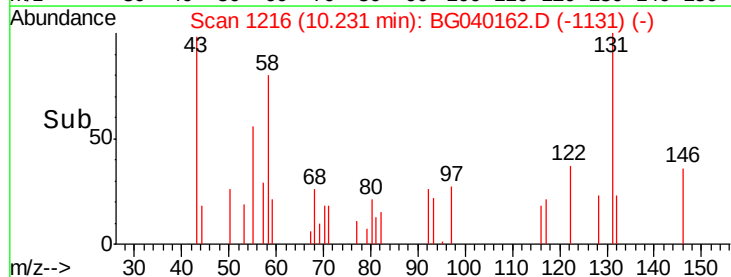
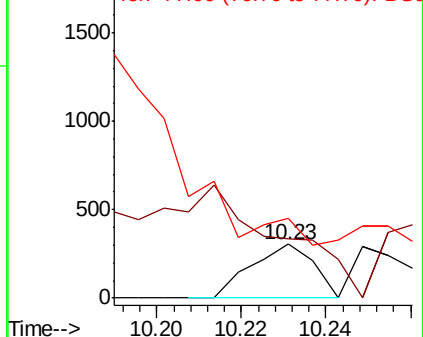


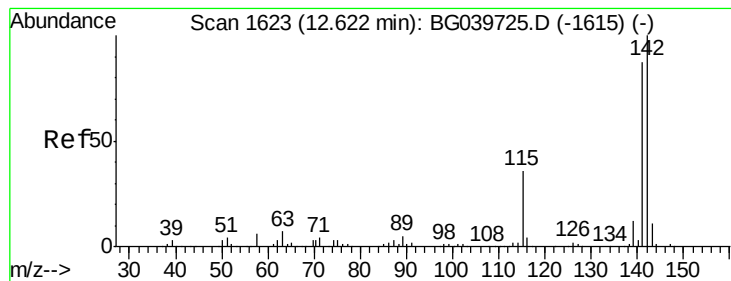
#32
Benzoic acid
Concen: 6.761 ng
RT: 10.23 min Scan# 1216
Delta R.T. -0.03 min
Lab File: BG040162.D
Acq: 27 Mar 2019 00:59

Tgt Ion:122 Resp: 314
Ion Ratio Lower Upper
122 100
105 110.5 101.8 141.8
77 148.2 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO





#37

2-Methylnaphthalene

Concen: 2.819 ng

RT: 12.60 min Scan# 1619

Delta R.T. -0.03 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

ClientSampleId :

MH-C05-SETTLED-2H-A

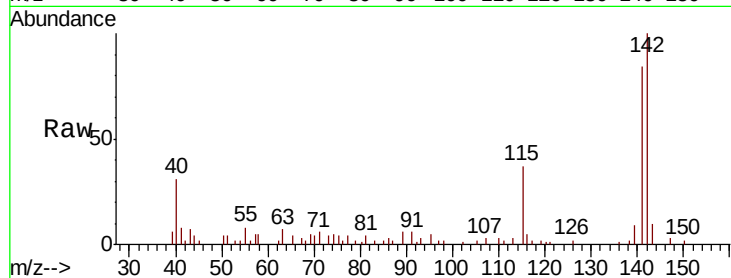
Tgt Ion:142 Resp: 18523

Ion Ratio Lower Upper

142 100

141 83.9 73.5 110.3

115 37.1 30.8 46.2

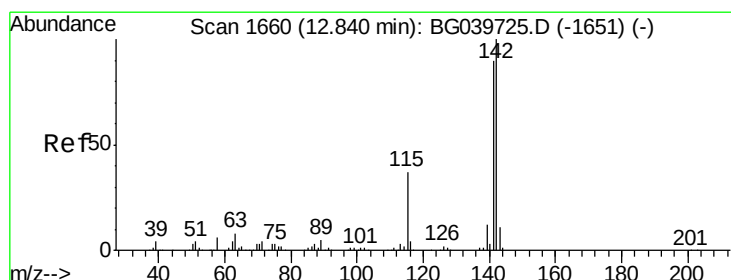
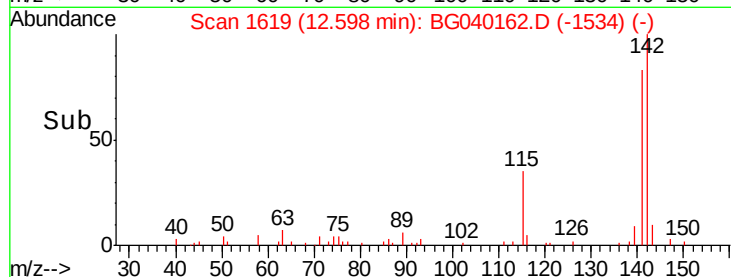
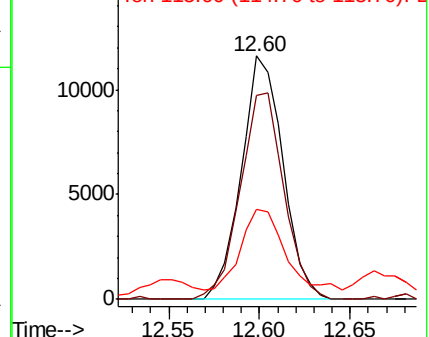


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 3.426 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.02 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

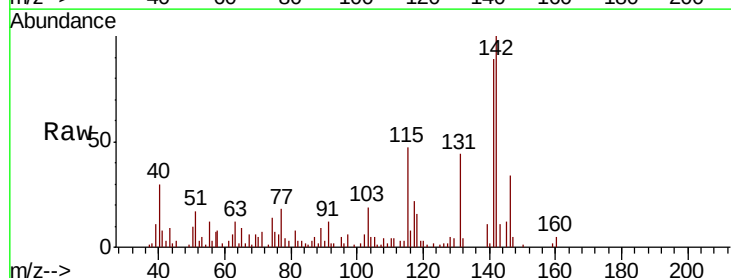
Tgt Ion:142 Resp: 21878

Ion Ratio Lower Upper

142 100

141 89.4 74.2 111.4

116 8.4 3.0 4.6#

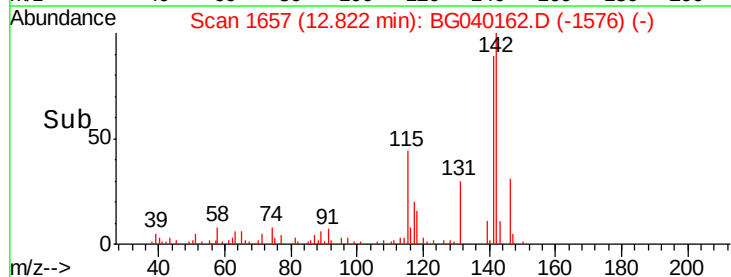
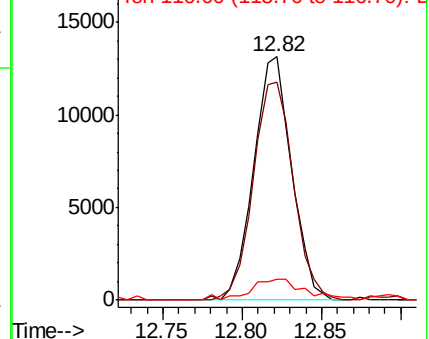


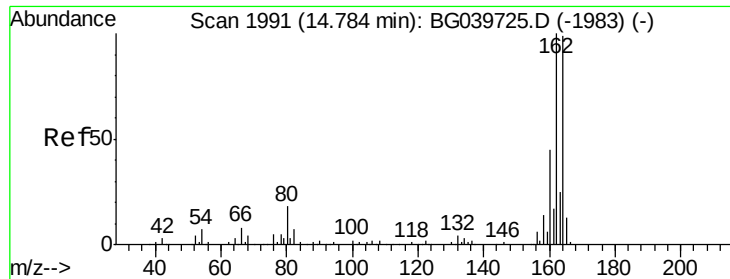
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

ClientSampleId :

MH-C05-SETTLED-2H-A

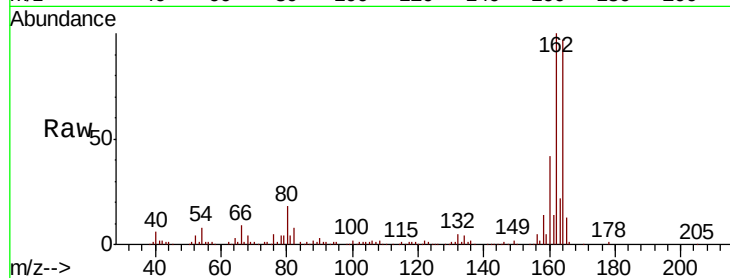
Tgt Ion:164 Resp: 114065

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

160 43.1 34.2 51.2

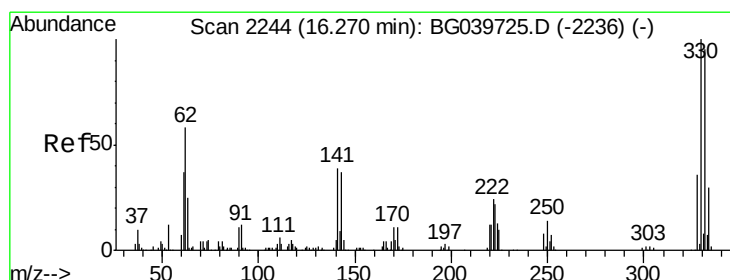
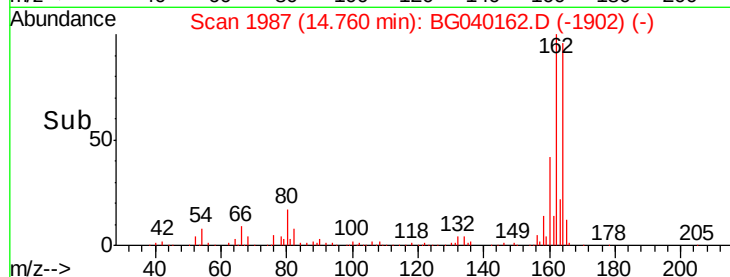
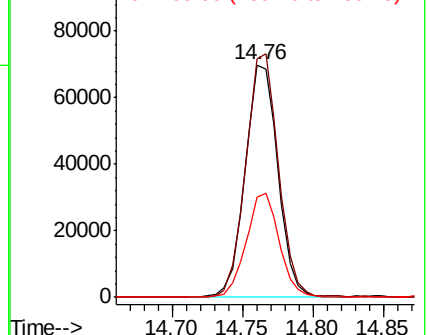


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 104.074 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

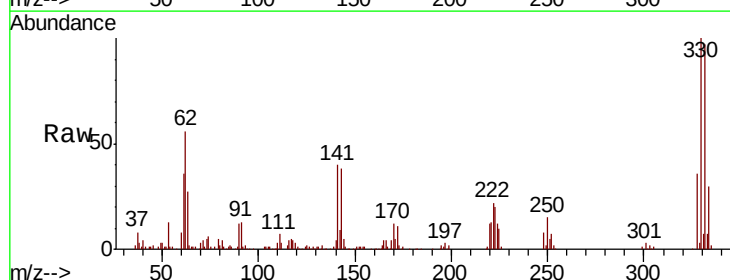
Tgt Ion:330 Resp: 138368

Ion Ratio Lower Upper

330 100

332 93.9 75.7 113.5

141 41.5 35.6 53.4

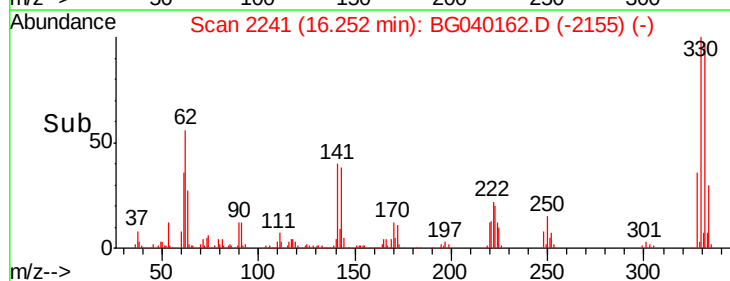
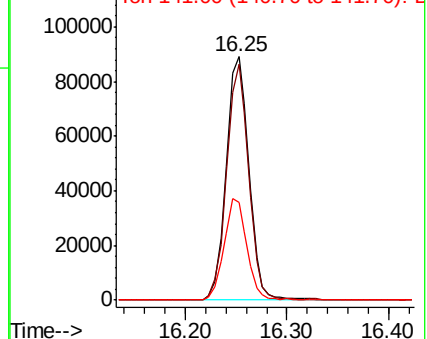


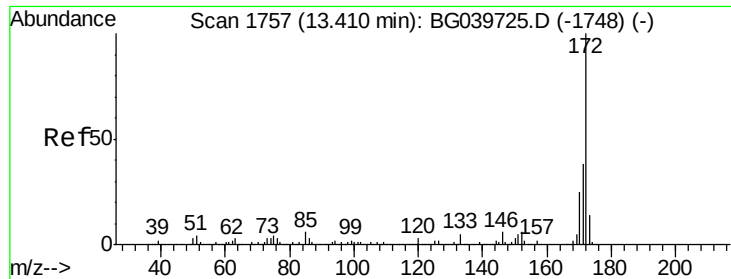
Abundance

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

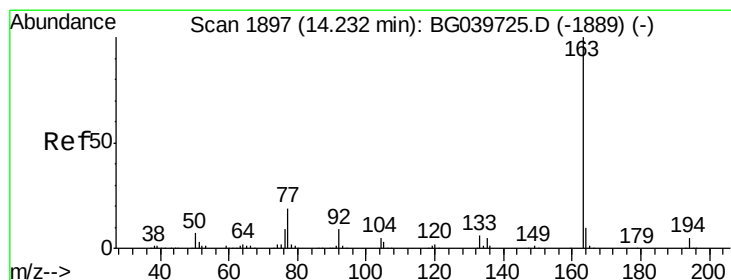
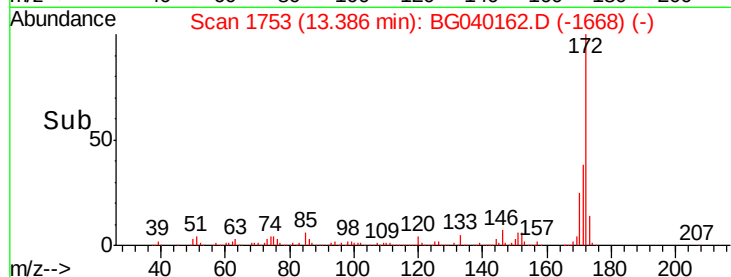
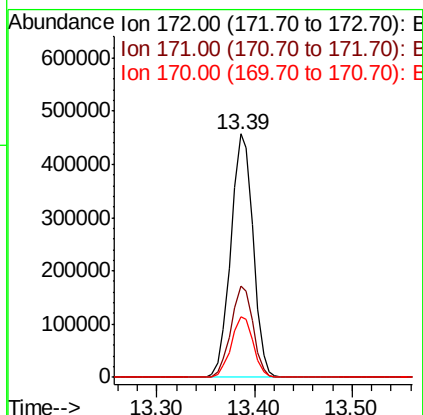
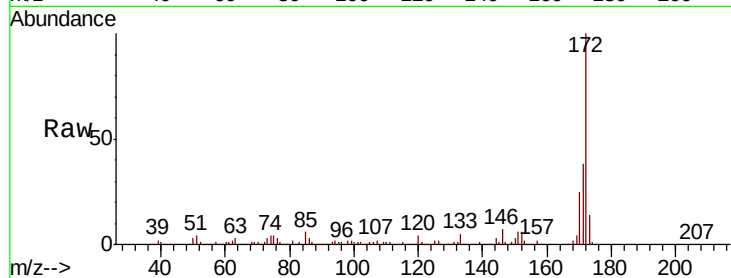




#45
2-Fluorobiphenyl
Concen: 90.289 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.03 min
Lab File: BG040162.D
Acq: 27 Mar 2019 00:59

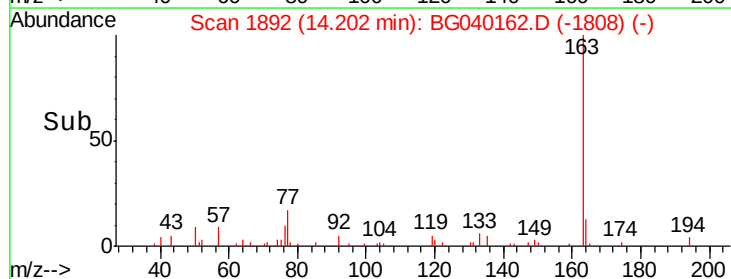
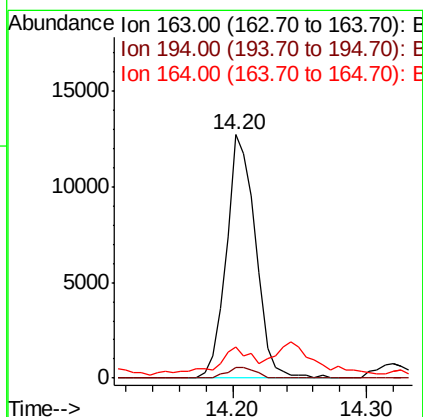
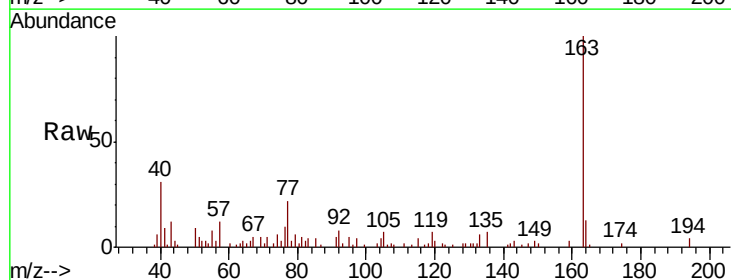
Instrument :
BNA_G
ClientSampleId :
MH-C05-SETTLED-2H-A

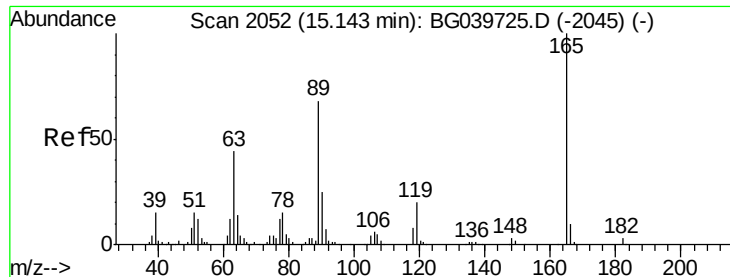
Tgt Ion:172 Resp: 723321
Ion Ratio Lower Upper
172 100
171 37.8 30.8 46.2
170 25.1 20.2 30.4



#50
Dimethylphthalate
Concen: 2.036 ng
RT: 14.20 min Scan# 1892
Delta R.T. -0.04 min
Lab File: BG040162.D
Acq: 27 Mar 2019 00:59

Tgt Ion:163 Resp: 19418
Ion Ratio Lower Upper
163 100
194 4.4 3.6 5.4
164 13.0 8.4 12.6#

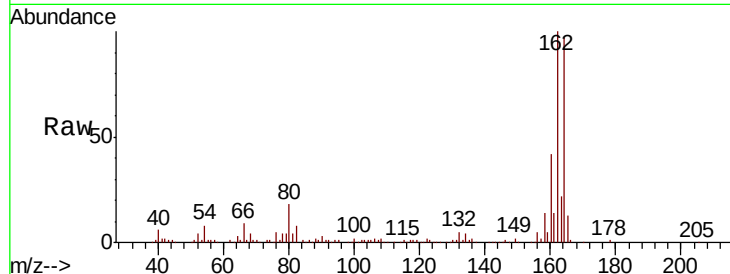




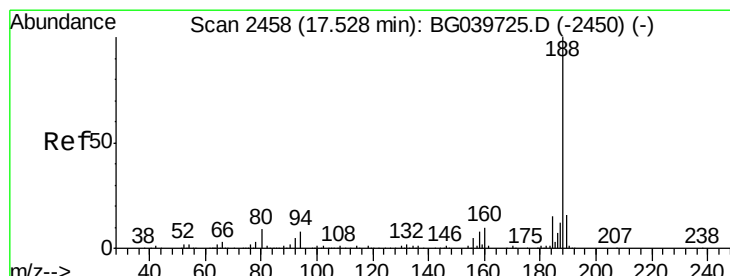
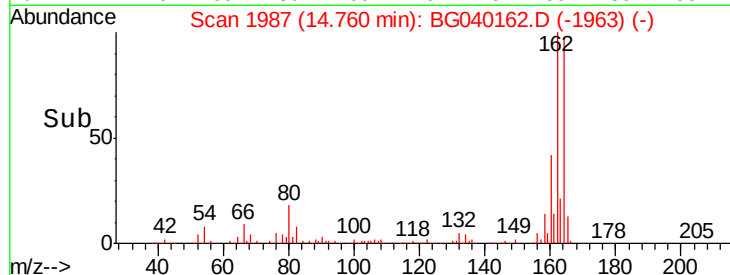
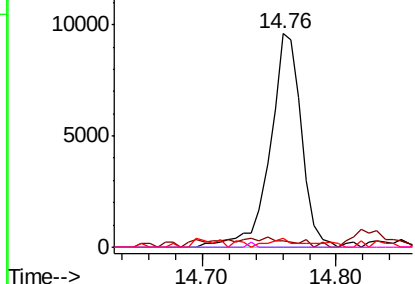
#57
 2,4-Dinitrotoluene
 Concen: 5.510 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.39 min
 Lab File: BG040162.D
 Acq: 27 Mar 2019 00:59

Instrument :
 BNA_G
 ClientSampleId :
 MH-C05-SETTLED-2H-A

Tgt Ion:	165	Resp:	15655
Ion	Ratio	Lower	Upper
165	100		
63	2.9	41.0	61.6#
89	4.1	64.6	96.8#
182	0.0	2.0	3.0#

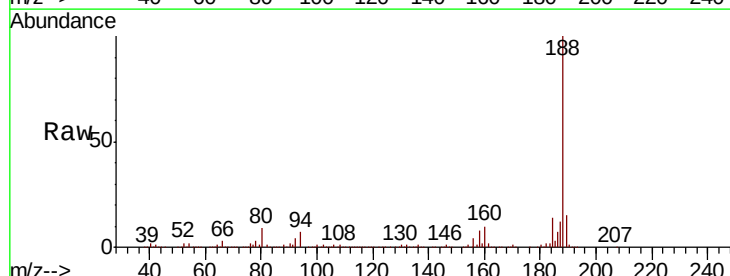


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

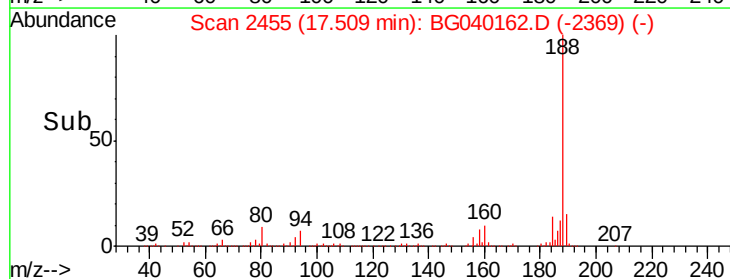
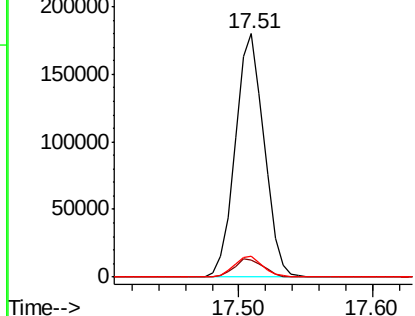


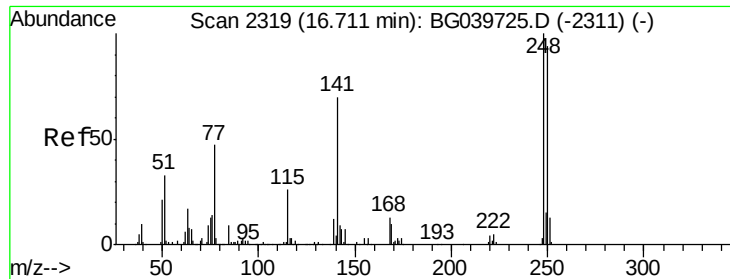
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040162.D
 Acq: 27 Mar 2019 00:59

Tgt Ion:	188	Resp:	268596
Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	8.7	8.1	12.1



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

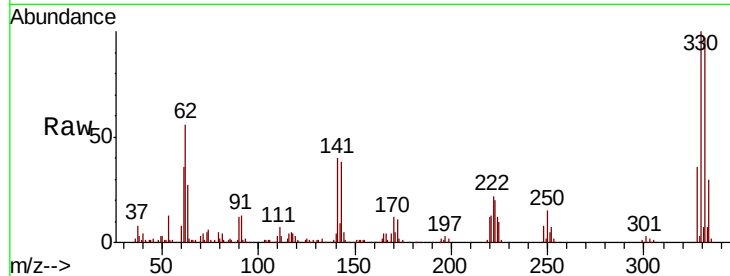




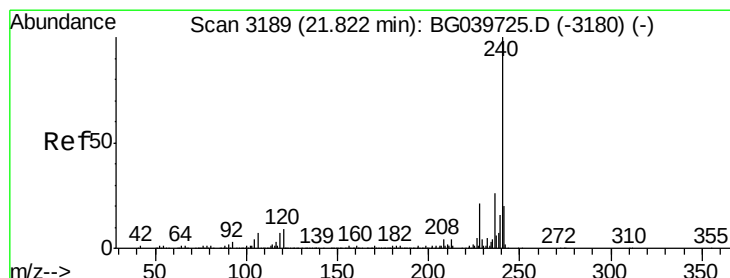
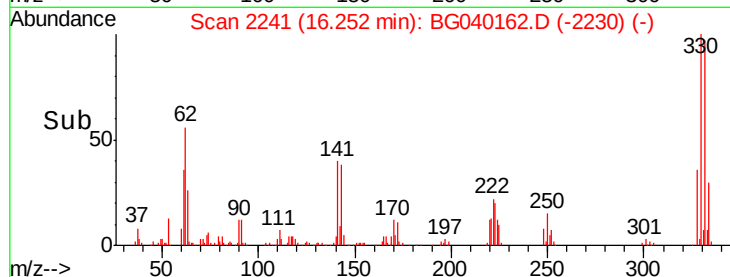
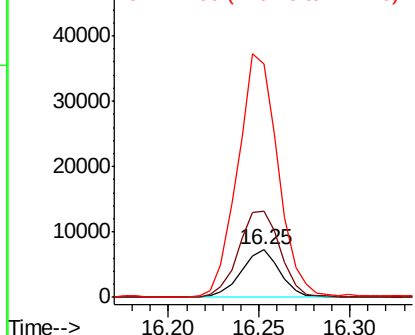
#67
 4-Bromophenyl-phenylether
 Concen: 3.595 ng
 RT: 16.25 min Scan# 2241
 Delta R.T. -0.47 min
 Lab File: BG040162.D
 Acq: 27 Mar 2019 00:59

Instrument :
 BNA_G
 ClientSampleId :
 MH-C05-SETTLED-2H-A

Tgt Ion:248 Resp: 10808
 Ion Ratio Lower Upper
 248 100
 250 181.5 77.6 116.4#
 141 493.9 63.9 95.9#

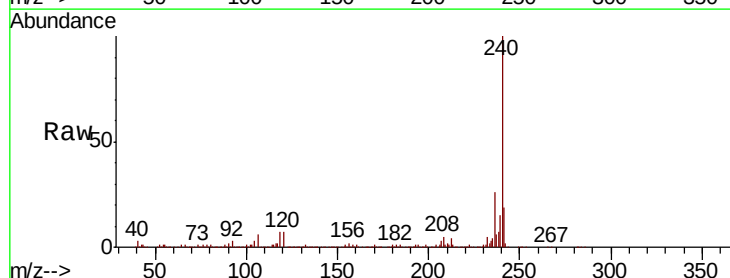


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

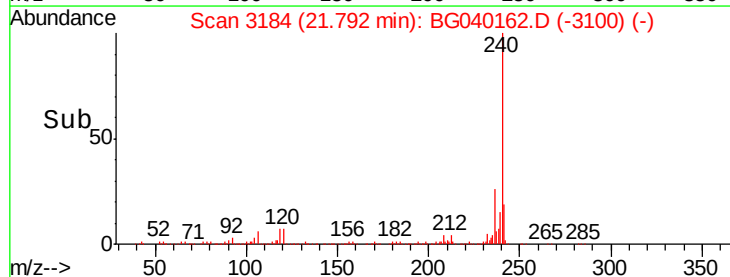
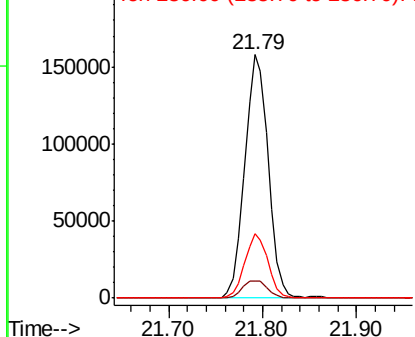


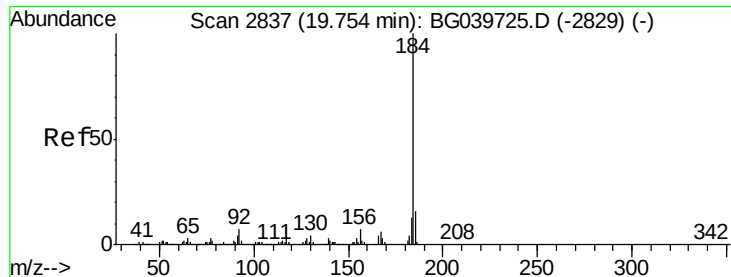
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.79 min Scan# 3184
 Delta R.T. -0.04 min
 Lab File: BG040162.D
 Acq: 27 Mar 2019 00:59

Tgt Ion:240 Resp: 272146
 Ion Ratio Lower Upper
 240 100
 120 7.2 7.0 10.6
 236 26.2 21.0 31.4



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: 2.056 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

Instrument :

BNA_G

ClientSampleId :

MH-C05-SETTLED-2H-A

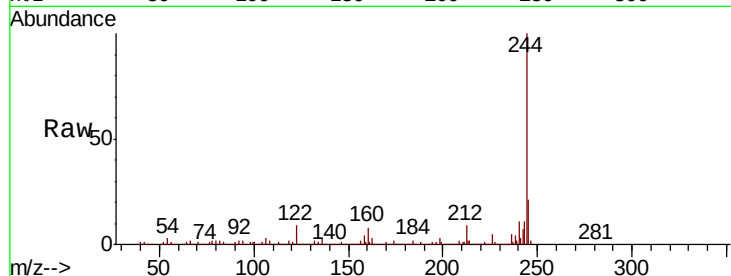
Tgt Ion:184 Resp: 17756

Ion Ratio Lower Upper

184 100

185 19.8 12.2 18.2#

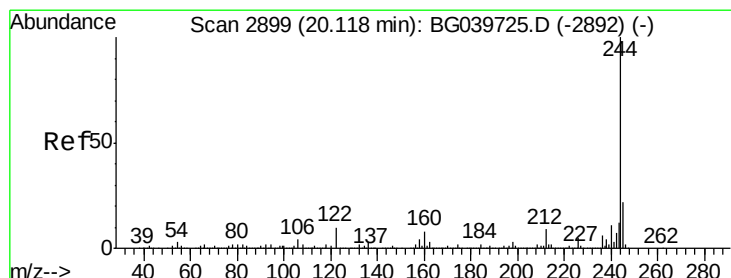
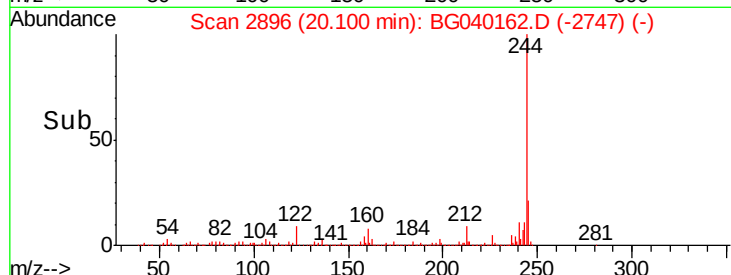
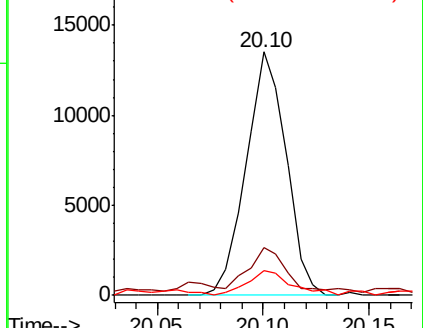
183 9.9 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 80.388 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040162.D

Acq: 27 Mar 2019 00:59

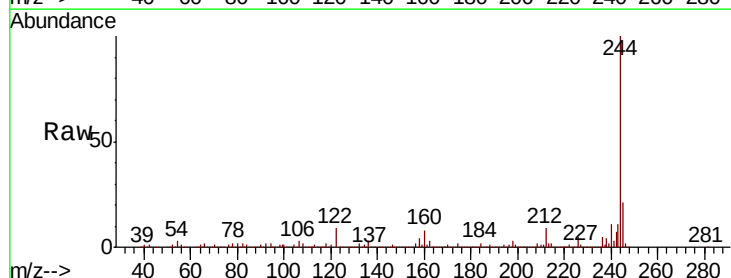
Tgt Ion:244 Resp: 993612

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

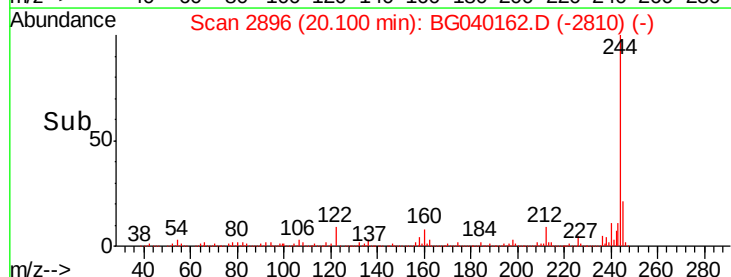
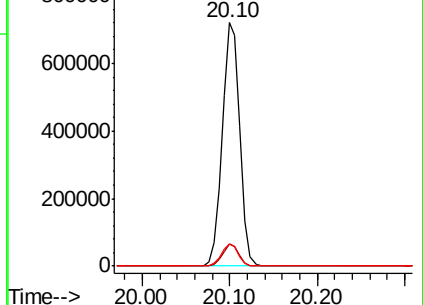
122 8.9 8.4 12.6

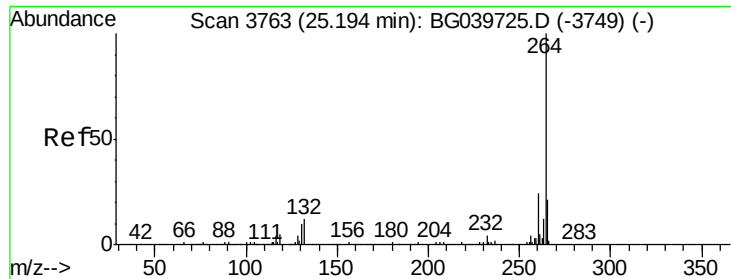


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040162.D
Acq: 27 Mar 2019 00:59

Instrument :
BNA_G
ClientSampleId :
MH-C05-SETTLED-2H-A

Tgt Ion: 264 Resp: 275340
Ion Ratio Lower Upper
264 100
260 22.4 18.2 27.4
265 21.1 18.5 27.7

