

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032619\
 Data File : BG040163.D
 Acq On : 27 Mar 2019 1:40
 Operator : JU/SJ
 Sample : K2103-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-C02-SETTLED-2H-B

Quant Time: Mar 27 03:00:39 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

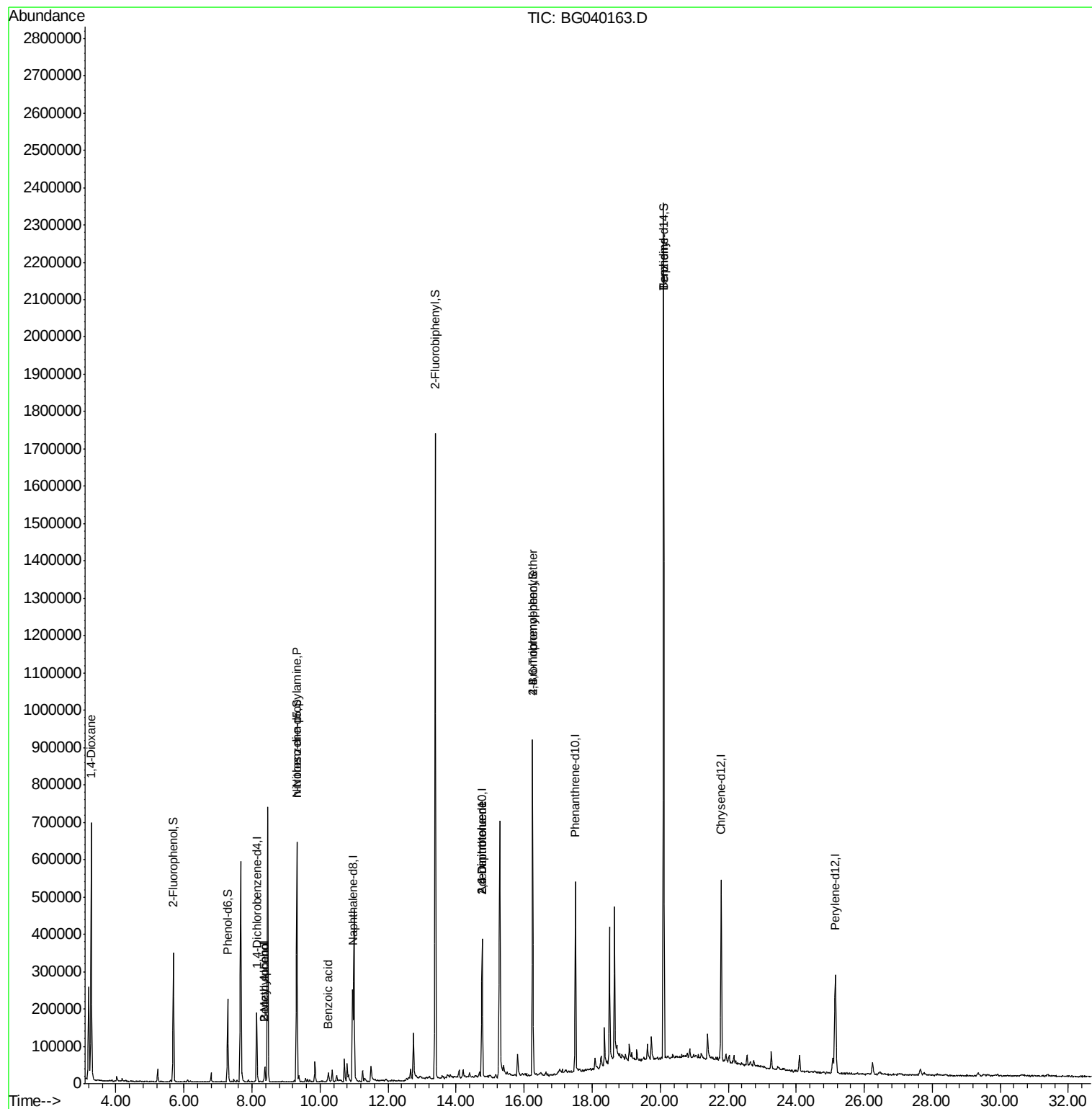
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	49810	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	222291	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	132367	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	294053	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	295687	20.00	ng	-0.04
87) Perylene-d12	25.15	264	304280	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	143697	49.22	ng	-0.02
7) Phenol-d6	7.28	99	131319	30.16	ng	-0.03
23) Nitrobenzene-d5	9.32	82	392529	95.50	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	158025	102.43	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	889755	95.71	ng	-0.03
79) Terphenyl-d14	20.11	244	1103629	82.18	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.27	88	6234	4.625	ng	Qvalue
15) Benzyl Alcohol	8.38	79	15821	4.581	ng	# 1
17) 2-Methylphenol	8.38	107	7861	2.614	ng	# 24
19) n-Nitroso-di-n-propylamine	9.32	70	53226	16.986	ng	# 66
32) Benzoic acid	10.23	122	1055	7.008	ng	# 76
51) 2,6-Dinitrotoluene	14.76	165	16986	7.239	ng	# 25
57) 2,4-Dinitrotoluene	14.76	165	16986	5.152	ng	# 20
67) 4-Bromophenyl-phenylether	16.25	248	12728	3.867	ng	# 1
77) Benzidine	20.10	184	20571	2.192	ng	# 94

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

Instrument :

BNA_G

ClientSampleId :

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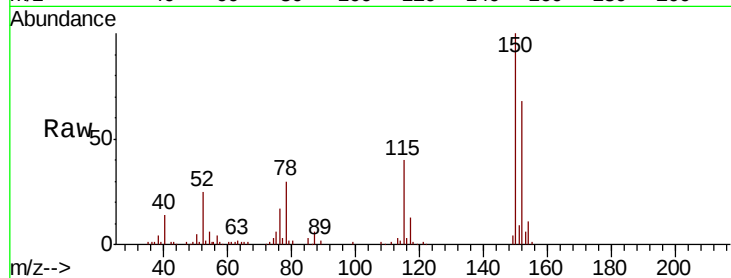
Tgt Ion:152 Resp: 49810

Ion Ratio Lower Upper

152 100

150 147.4 123.7 185.5

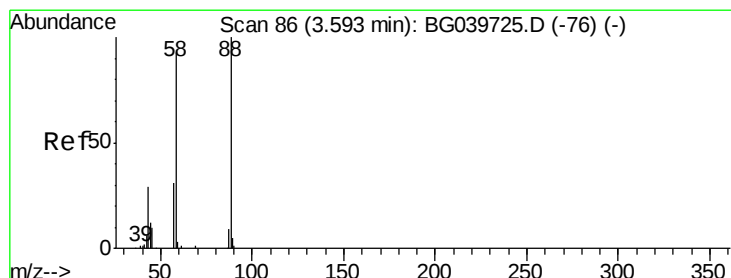
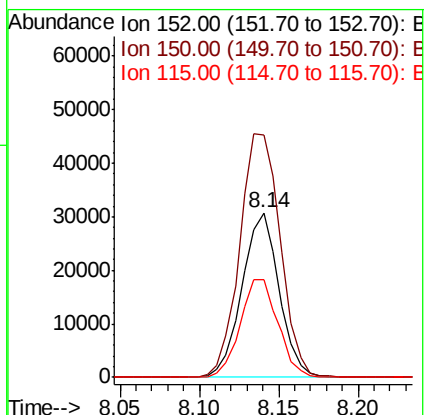
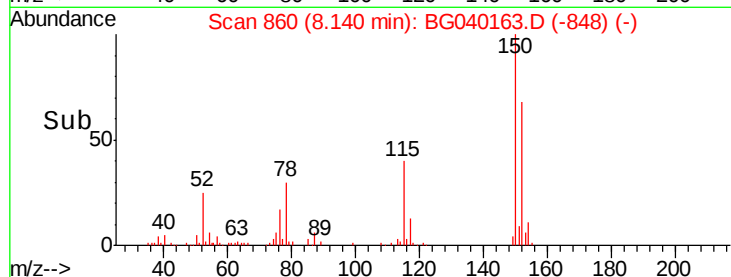
115 59.5 45.9 68.9



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: 4.625 ng

RT: 3.27 min Scan# 31

Delta R.T. -0.34 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

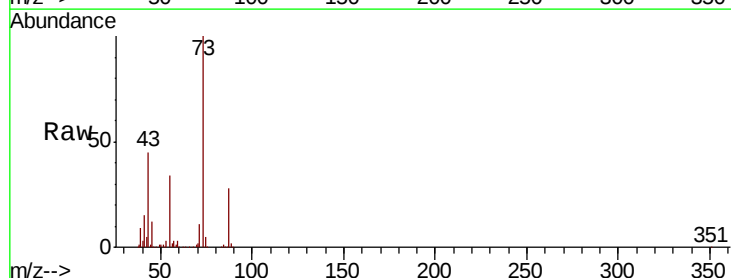
Tgt Ion: 88 Resp: 6234

Ion Ratio Lower Upper

88 100

58 37.4 81.1 121.7#

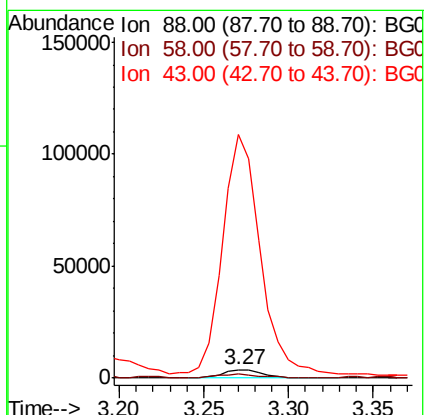
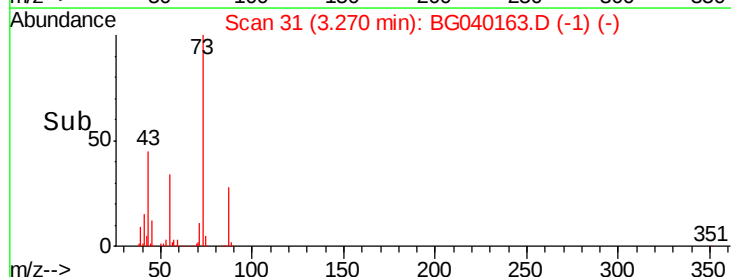
43 2768.1 31.4 47.0#

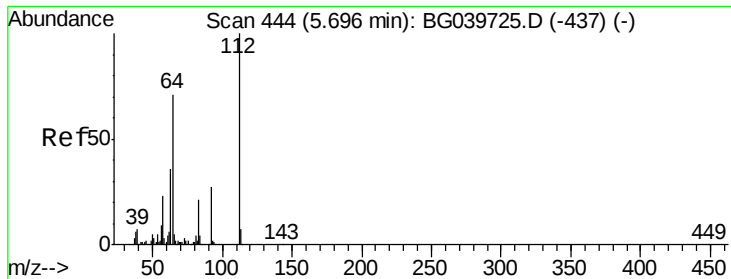


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 49.217 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

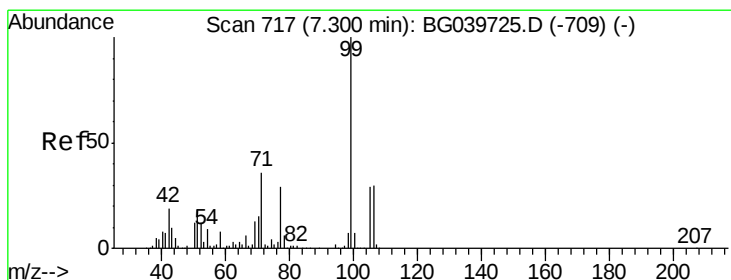
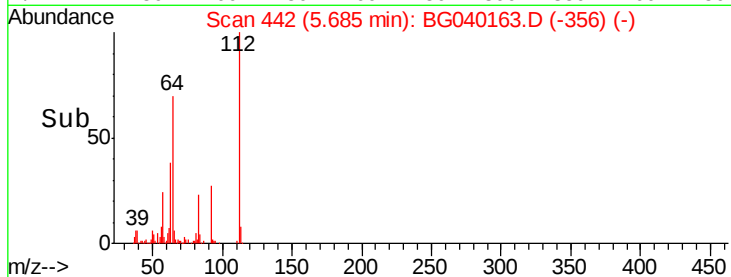
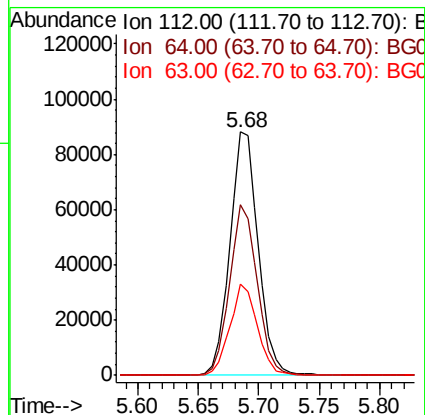
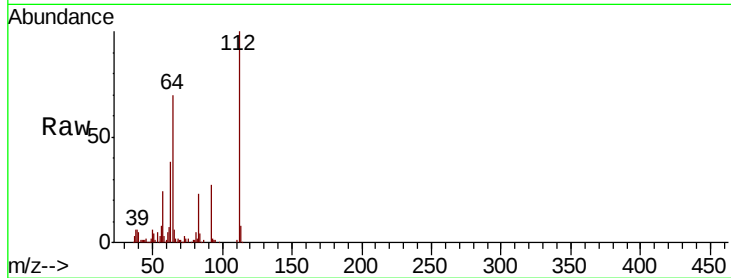
Instrument :

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Tgt Ion:	112	Resp:	143697
Ion	Ratio	Lower	Upper
112	100		
64	70.3	57.8	86.8
63	37.7	29.8	44.6



#7

Phenol-d6

Concen: 30.165 ng

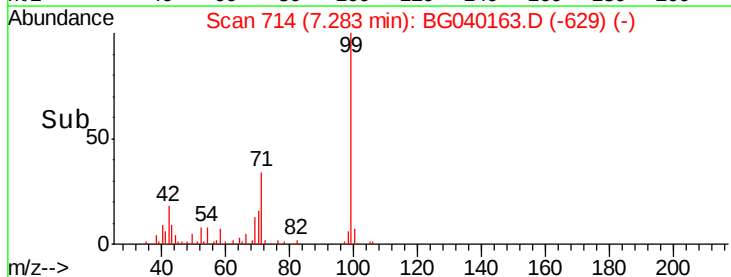
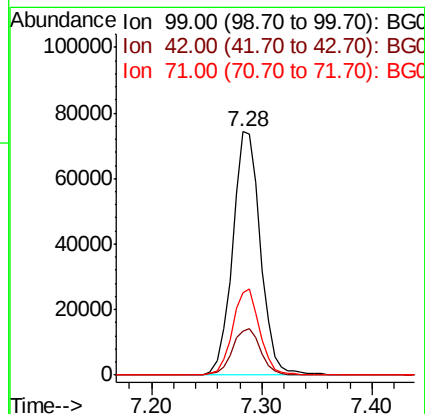
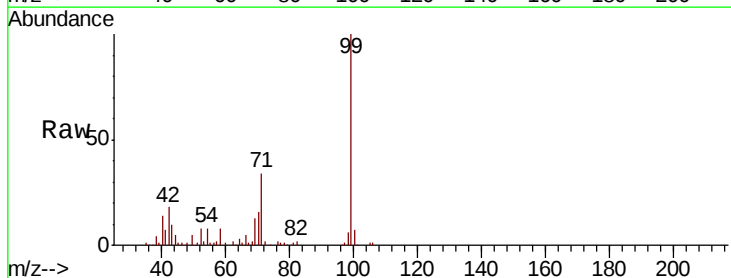
RT: 7.28 min Scan# 714

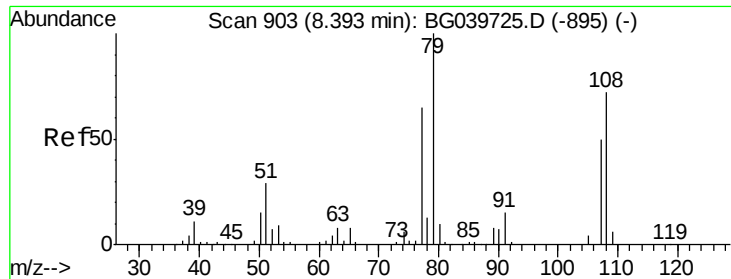
Delta R.T. -0.03 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

Tgt Ion:	99	Resp:	131319
Ion	Ratio	Lower	Upper
99	100		
42	17.9	18.2	27.2#
71	33.8	28.0	42.0





#15

Benzyl Alcohol

Concen: 4.581 ng

RT: 8.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-2H-B

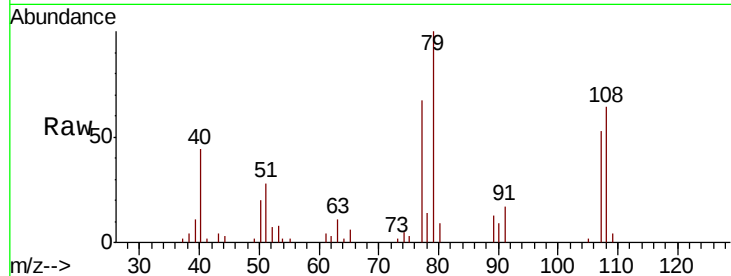
Tgt Ion: 79 Resp: 15821

Ion Ratio Lower Upper

79 100

108 63.6 57.8 86.6

77 67.1 51.1 76.7

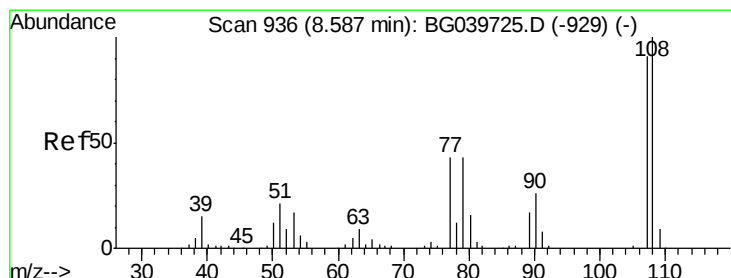
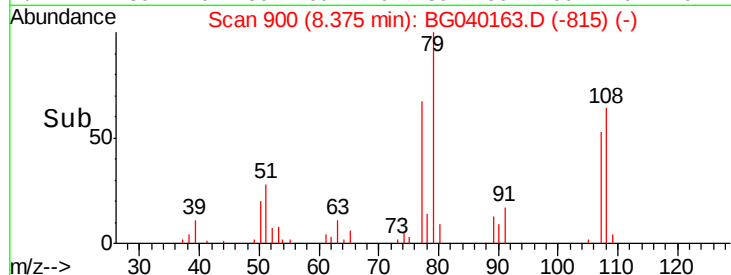
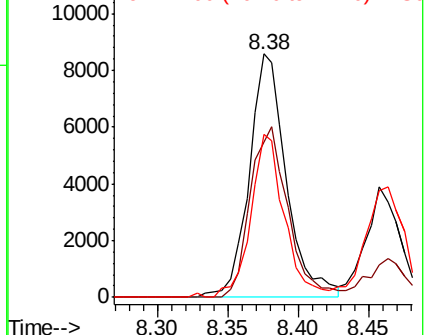


Abundance

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



#17

2-Methylphenol

Concen: 2.614 ng

RT: 8.38 min Scan# 900

Delta R.T. -0.22 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

Tgt Ion: 107 Resp: 7861

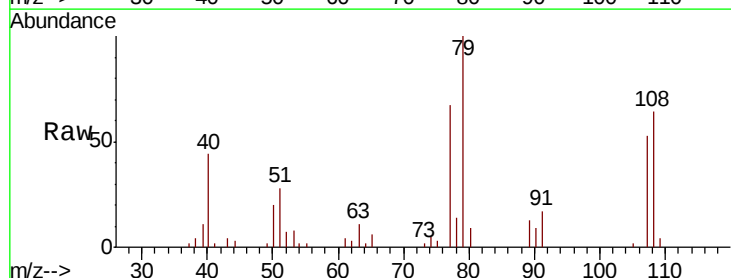
Ion Ratio Lower Upper

107 100

108 120.3 90.8 136.2

77 127.0 40.7 61.1#

79 189.3 40.6 60.8#



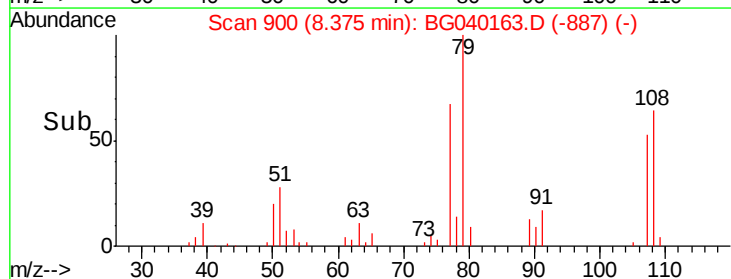
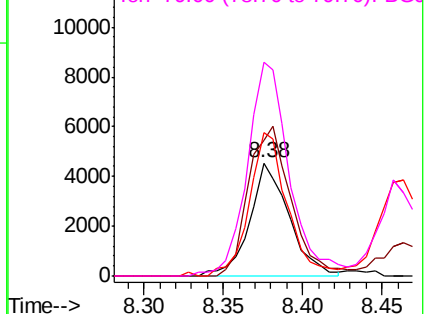
Abundance

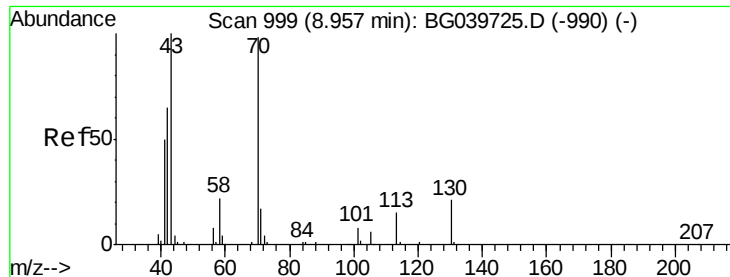
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

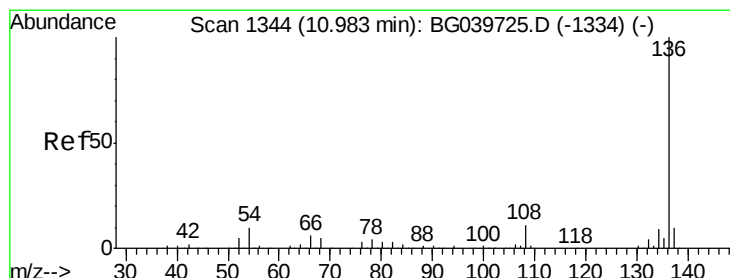
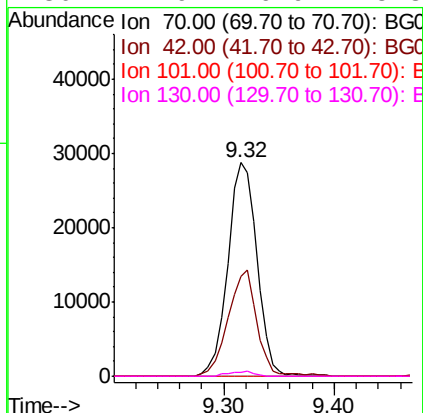
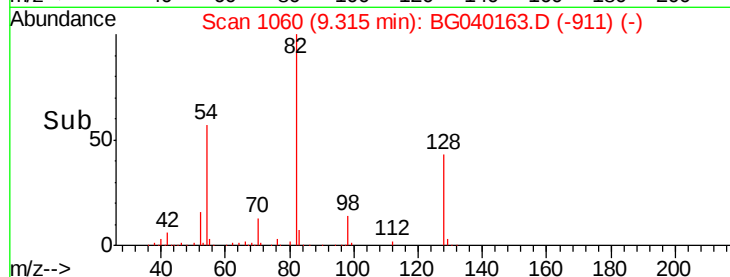
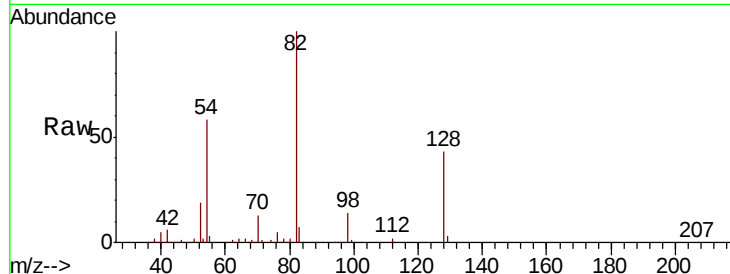




#19
n-Nitroso-di-n-propylamine
Concen: 16.986 ng
RT: 9.32 min Scan# 1060
Delta R.T. 0.35 min
Lab File: BG040163.D
Acq: 27 Mar 2019 1:40

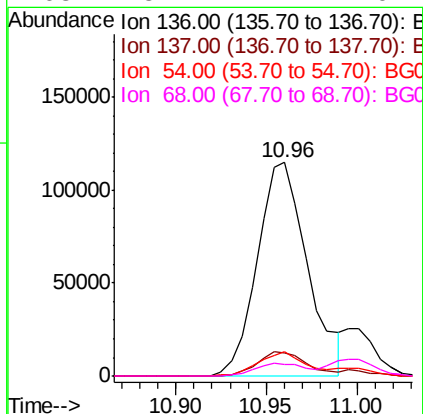
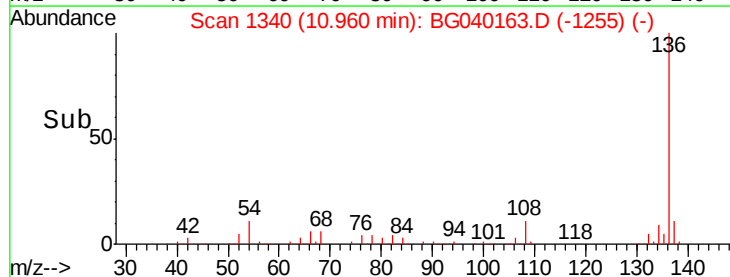
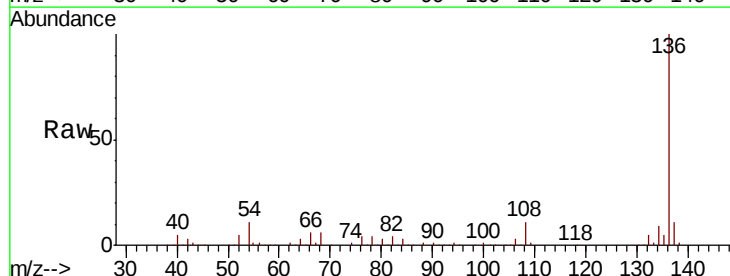
Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-2H-B

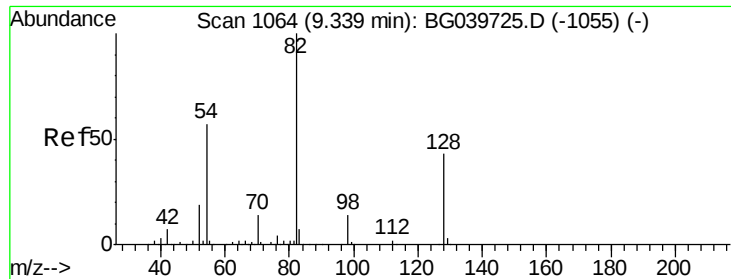
Tgt Ion: 70 Resp: 53226
Ion Ratio Lower Upper
70 100
42 46.9 60.4 90.6#
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040163.D
Acq: 27 Mar 2019 1:40

Tgt Ion: 136 Resp: 222291
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 11.3 9.4 14.2
68 5.7 4.2 6.4

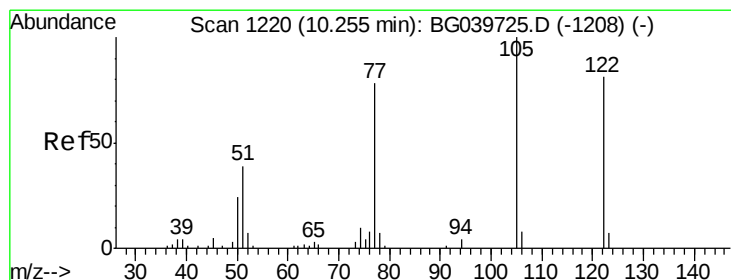
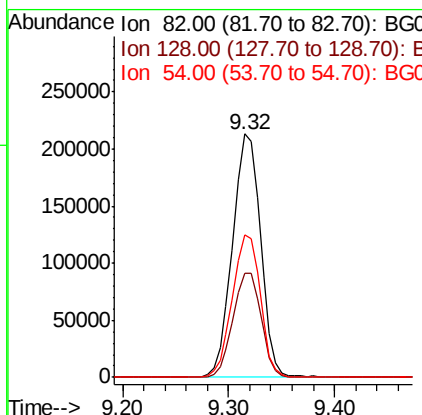
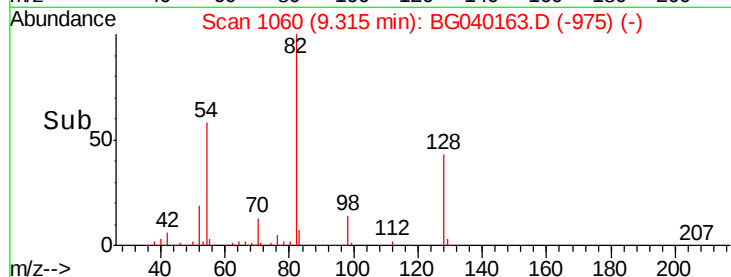
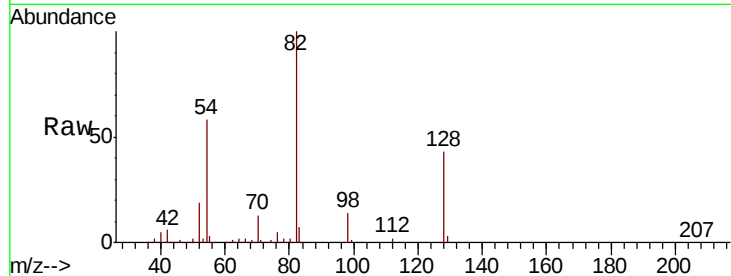




#23
 Nitrobenzene-d5
 Concen: 95.503 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040163.D
 Acq: 27 Mar 2019 1:40

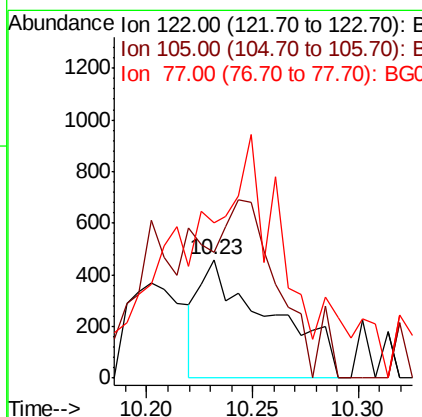
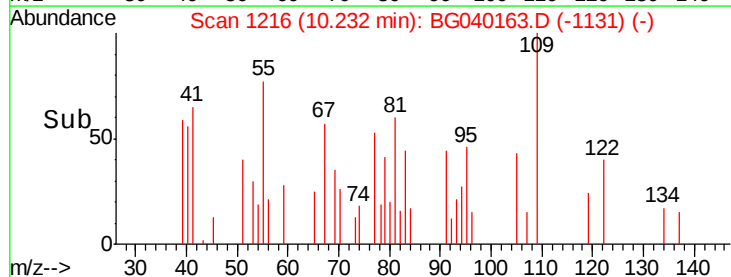
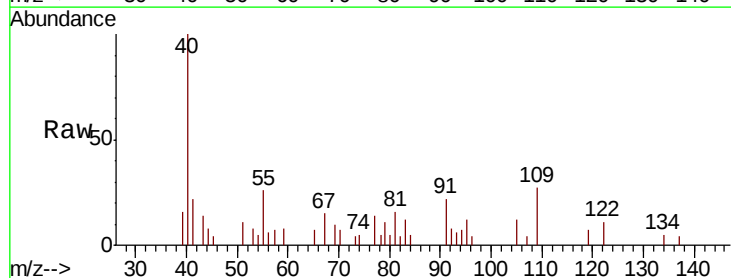
Instrument :
 BNA_G
 ClientSampleId :
 MH-C02-SETTLED-2H-B

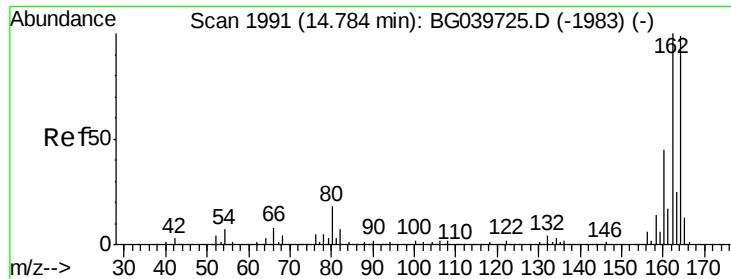
Tgt Ion: 82 Resp: 392529
 Ion Ratio Lower Upper
 82 100
 128 42.9 31.3 46.9
 54 58.3 50.9 76.3



#32
 Benzoic acid
 Concen: 7.008 ng
 RT: 10.23 min Scan# 1216
 Delta R.T. -0.03 min
 Lab File: BG040163.D
 Acq: 27 Mar 2019 1:40

Tgt Ion: 122 Resp: 1055
 Ion Ratio Lower Upper
 122 100
 105 105.7 101.8 141.8
 77 131.1 76.3 116.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.03 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-2H-B

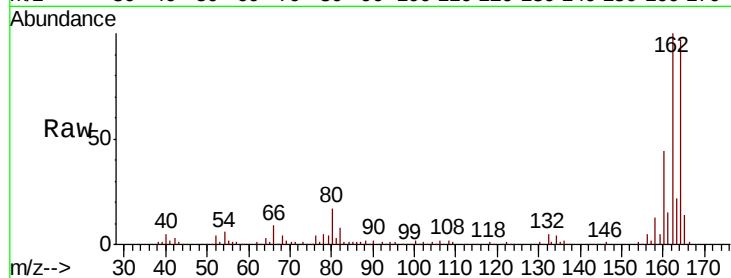
Tgt Ion:164 Resp: 132367

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

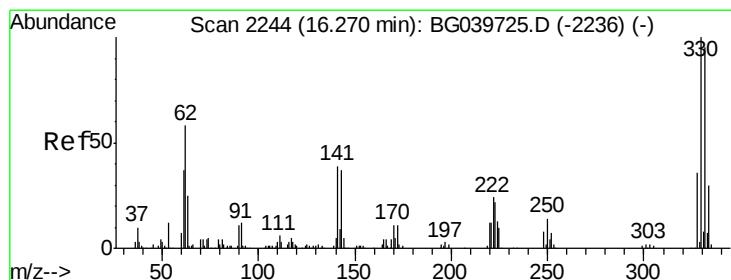
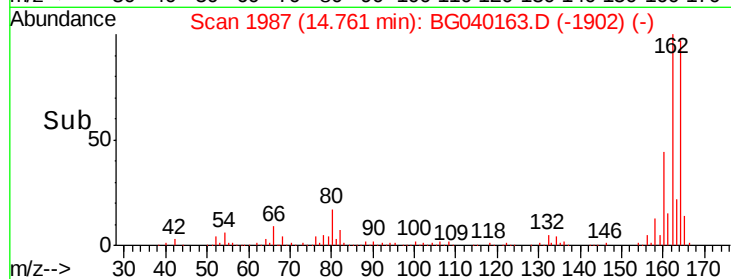
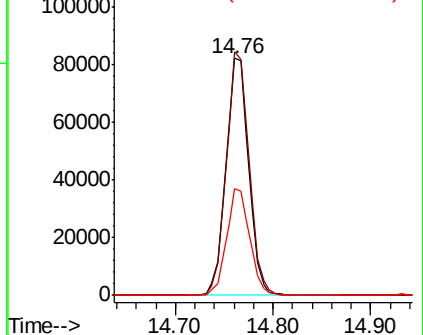
160 44.9 34.2 51.2



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: 102.425 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

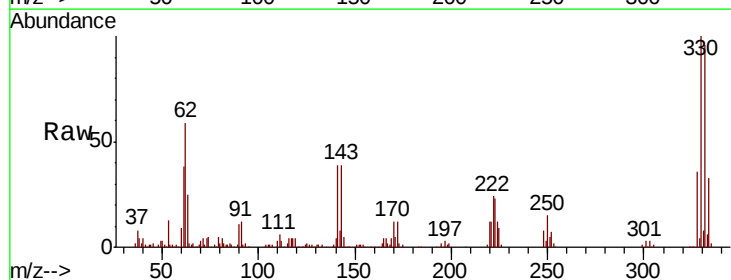
Tgt Ion:330 Resp: 158025

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

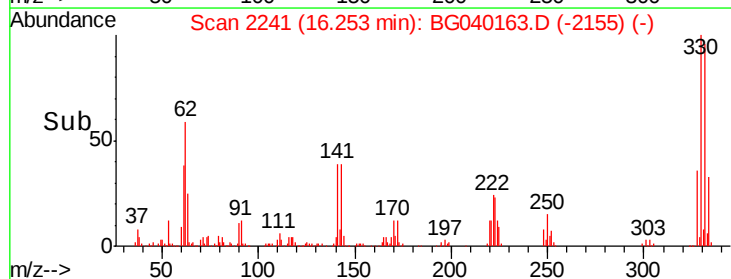
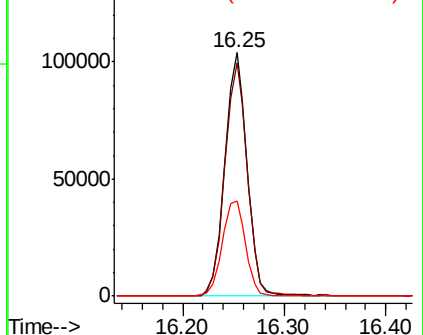
141 41.3 35.6 53.4

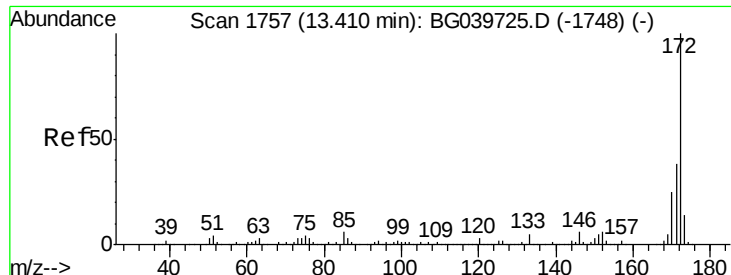


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

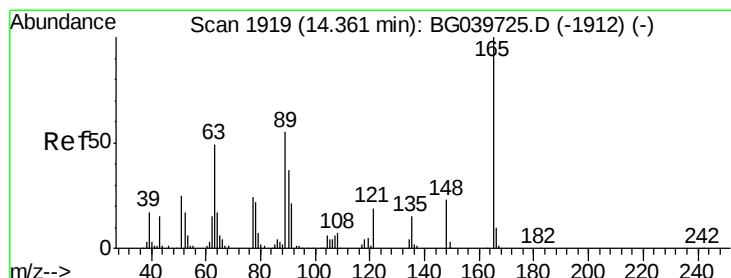
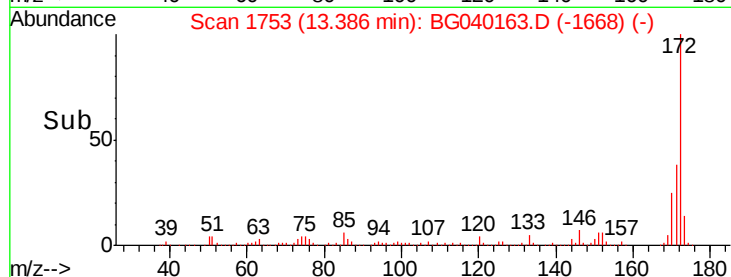
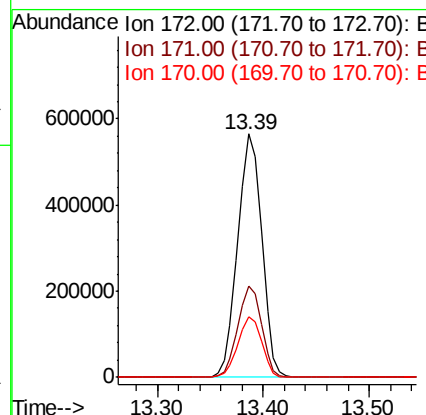
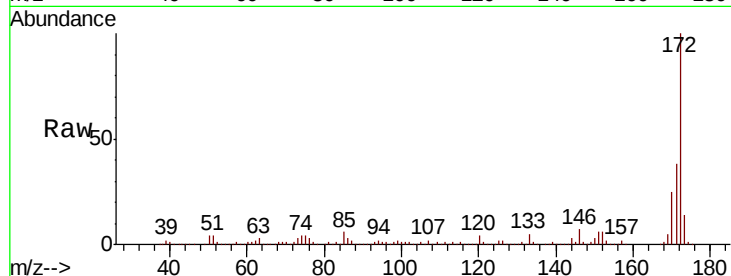




#45
 2-Fluorobiphenyl
 Concen: 95.708 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040163.D
 Acq: 27 Mar 2019 1:40

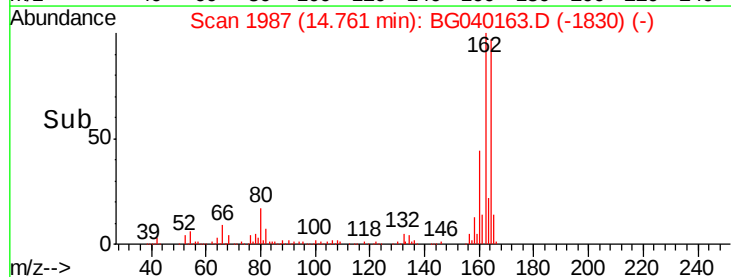
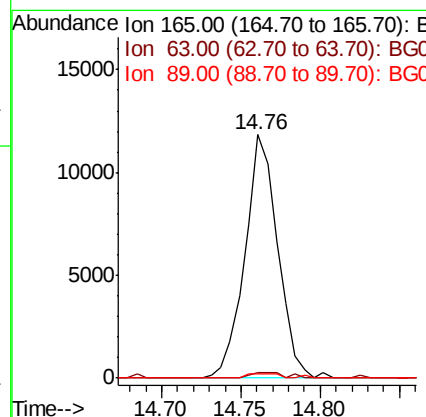
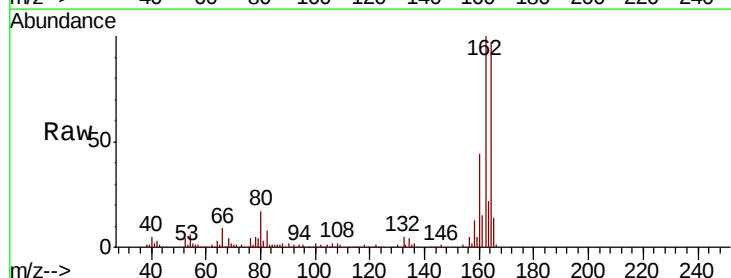
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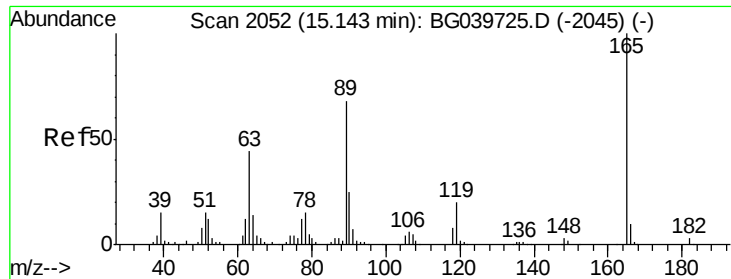
Tgt Ion:172 Resp: 889755
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.8 46.2
 170 24.9 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.239 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.39 min
 Lab File: BG040163.D
 Acq: 27 Mar 2019 1:40

Tgt Ion:165 Resp: 16986
 Ion Ratio Lower Upper
 165 100
 63 2.4 47.0 70.6#
 89 1.9 45.8 68.8#

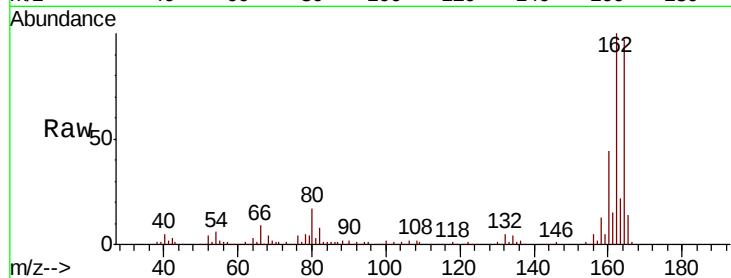




#57
2,4-Dinitrotoluene
Concen: 5.152 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.39 min
Lab File: BG040163.D
Acq: 27 Mar 2019 1:40

Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-2H-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	41.0	61.6#
89	1.9	64.6	96.8#
182	0.0	2.0	3.0#

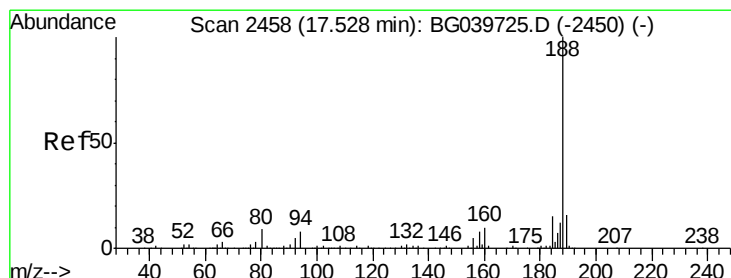
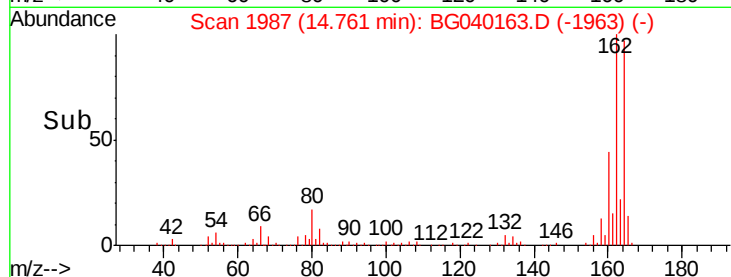
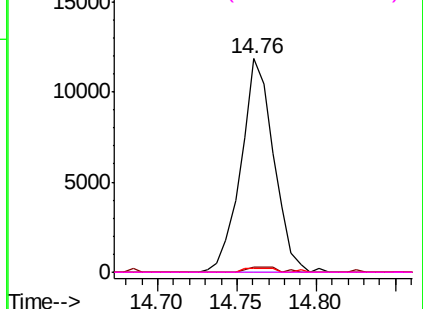


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

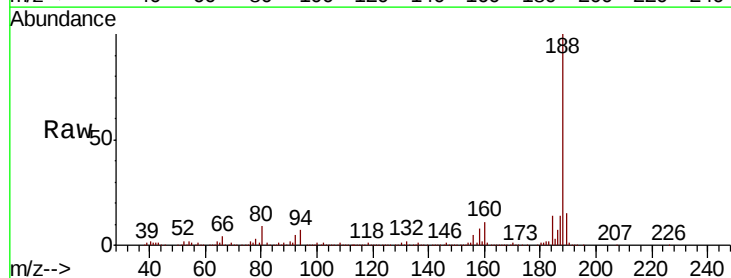
Ion 89.00 (88.70 to 89.70): BGC

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: BG040163.D
Acq: 27 Mar 2019 1:40

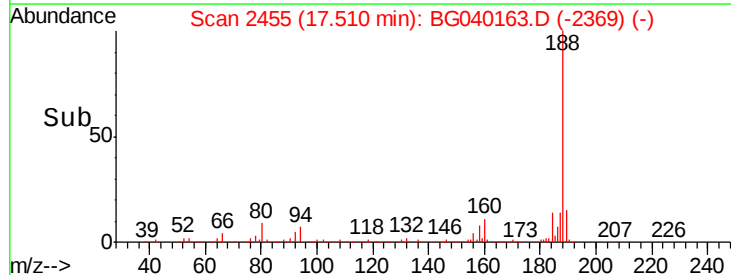
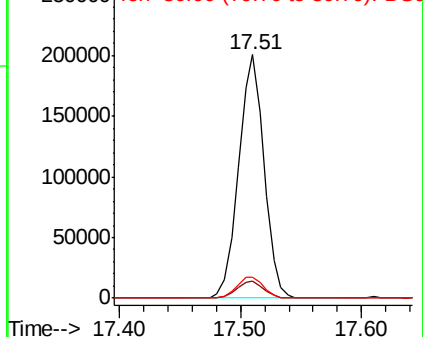
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	8.6	8.1	12.1

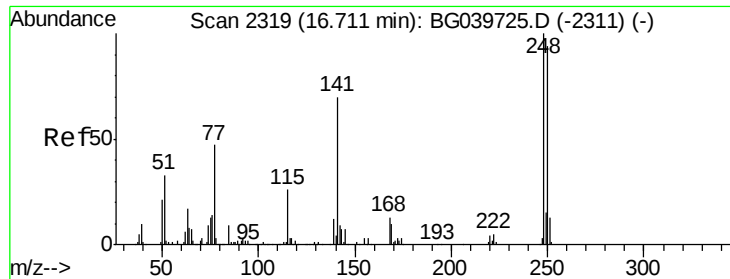


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

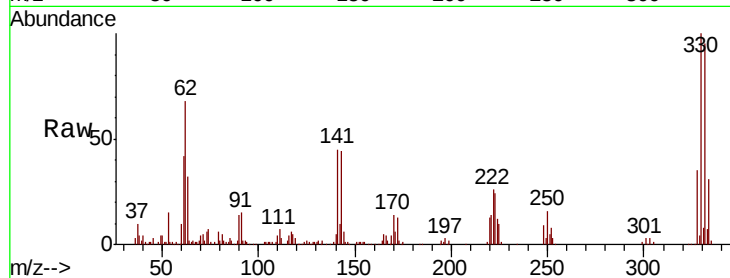




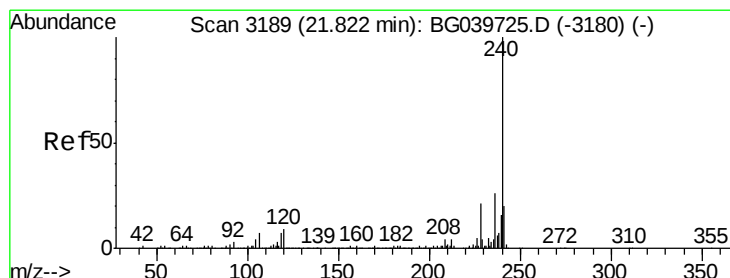
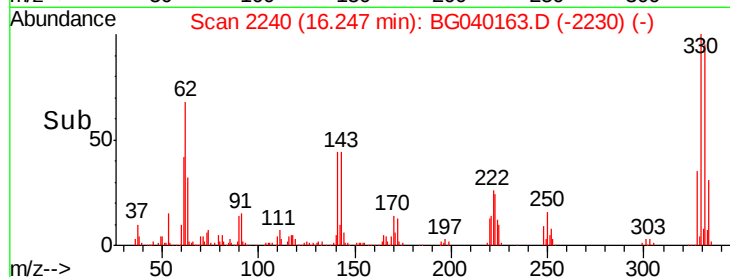
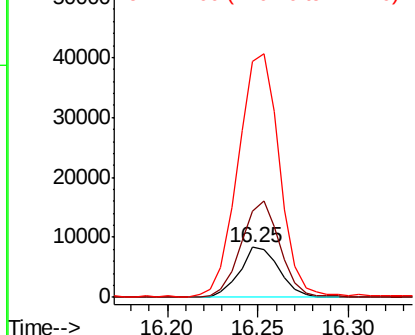
#67
4-Bromophenyl-phenylether
Concen: 3.867 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.47 min
Lab File: BG040163.D
Acq: 27 Mar 2019 1:40

Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-2H-B

Tgt Ion:248 Resp: 12728
Ion Ratio Lower Upper
248 100
250 173.7 77.6 116.4#
141 473.2 63.9 95.9#

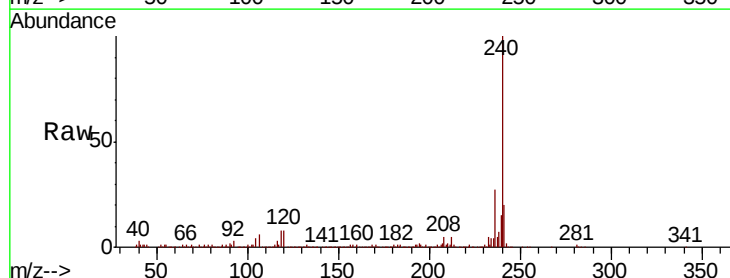


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

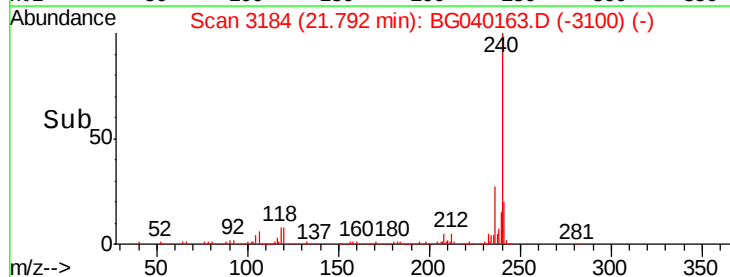
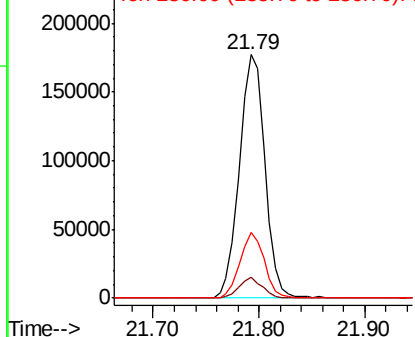


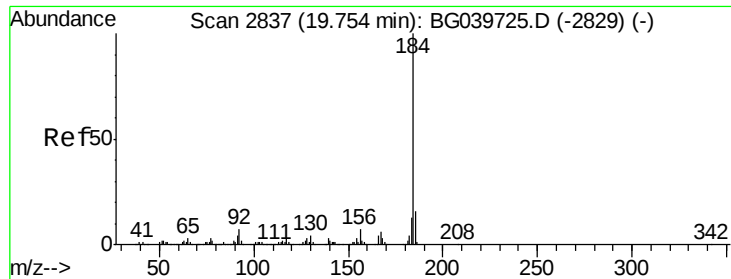
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG040163.D
Acq: 27 Mar 2019 1:40

Tgt Ion:240 Resp: 295687
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.7 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: 2.192 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

Instrument :

BNA_G

ClientSampleId :

MH-C02-SETTLED-2H-B

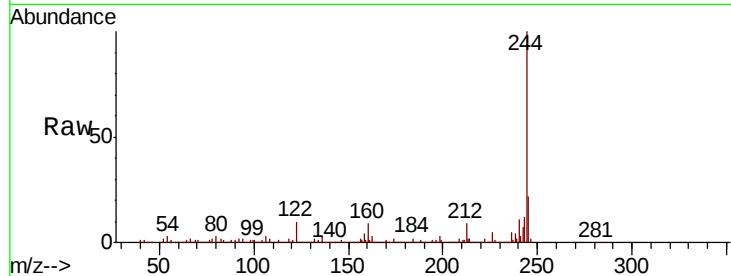
Tgt Ion:184 Resp: 20571

Ion Ratio Lower Upper

184 100

185 17.7 12.2 18.2

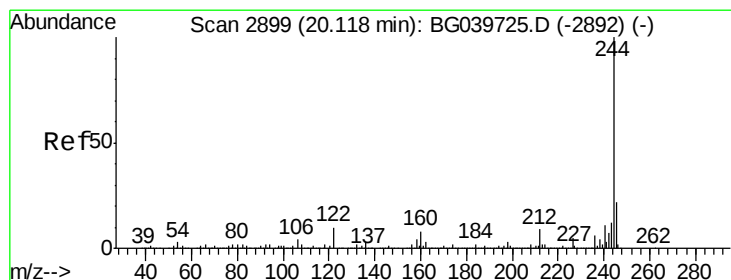
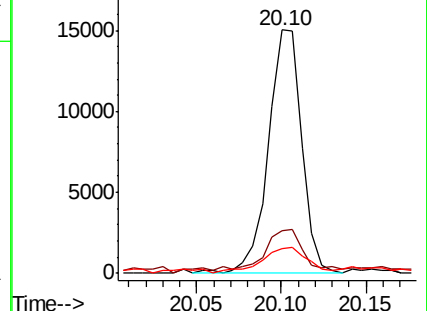
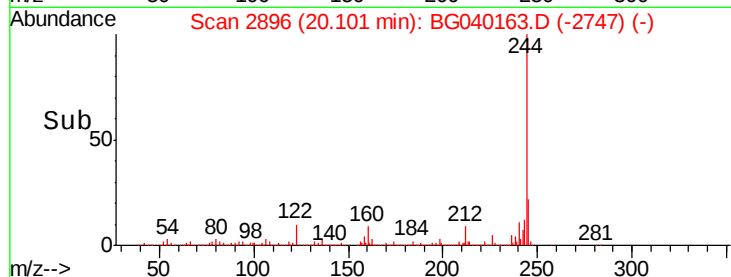
183 10.4 10.6 15.8#



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: 82.181 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040163.D

Acq: 27 Mar 2019 1:40

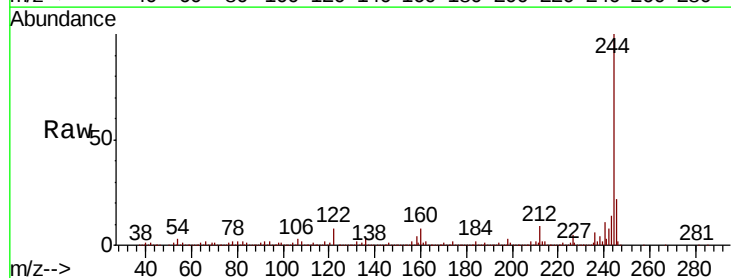
Tgt Ion:244 Resp: 1103629

Ion Ratio Lower Upper

244 100

212 9.0 7.3 10.9

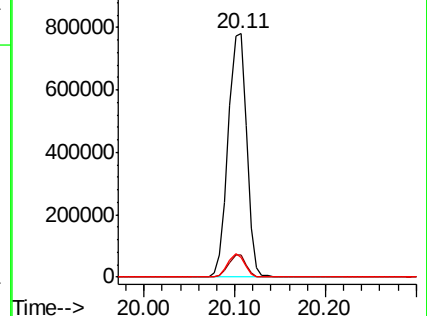
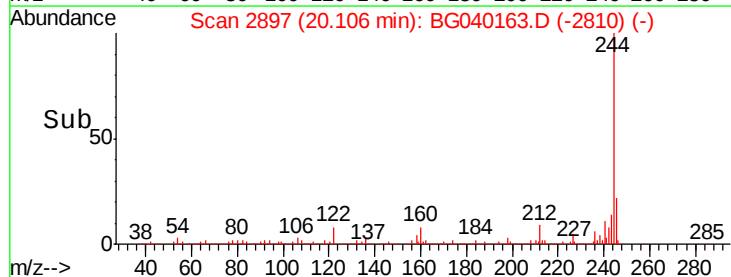
122 8.2 8.4 12.6#

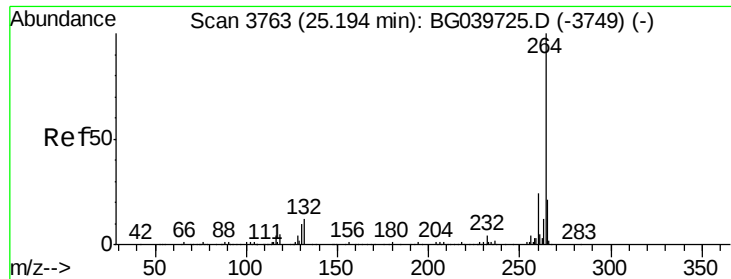


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3755
Delta R.T. -0.05 min
Lab File: BG040163.D
Acq: 27 Mar 2019 1:40

Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-2H-B

Tgt Ion: 264 Resp: 304280
Ion Ratio Lower Upper
264 100
260 22.7 18.2 27.4
265 22.1 18.5 27.7

