

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030419\
 Data File : BG039736.D
 Acq On : 4 Mar 2019 18:11
 Operator : JU/SJ
 Sample : PB117567BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB117567BL

Quant Time: Mar 05 00:11:38 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	8.16	152	38539	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	161028	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	108597	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	290251	20.00	ng	0.00
76) Chrysene-d12	21.82	240	325209	20.00	ng	-0.01
87) Perylene-d12	25.19	264	317542	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	304401	134.75	ng	0.00
7) Phenol-d6	7.30	99	435047	129.16	ng	-0.01
23) Nitrobenzene-d5	9.33	82	245978	82.62	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	166373	131.44	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	647674	84.92	ng	-0.01
79) Terphenyl-d14	20.12	244	1206457	81.68	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.59	88	66	0.063	ng	# 1
3) Pyridine	3.81	79	65	0.023	ng	# 1
4) n-Nitrosodimethylamine	3.92	42	167	0.126	ng	# 1
6) Aniline	7.68	93	616	0.140	ng	# 1
8) 2-Chlorophenol	7.70	128	56	0.020	ng	# 1
9) Benzaldehyde	7.31	77	579	0.266	ng	# 4
10) Phenol	7.69	94	675	0.185	ng	# 1
11) bis(2-Chloroethyl)ether	7.68	93	616	0.217	ng	# 1
12) 1,3-Dichlorobenzene	8.48	146	59	0.019	ng	# 1
13) 1,4-Dichlorobenzene	8.48	146	59	0.019	ng	# 1
14) 1,2-Dichlorobenzene	8.48	146	59	0.019	ng	# 1
15) Benzyl Alcohol	8.48	79	3736	1.398	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	8.59	45	63	0.011	ng	# 75
19) n-Nitroso-di-n-propylamine	9.34	70	32325	13.333	ng	# 64
22) Acetophenone	8.48	105	58	0.013	ng	# 1
24) Nitrobenzene	9.33	77	549	0.176	ng	# 26
29) 2,4-Dichlorophenol	10.85	162	57	0.022	ng	# 23
46) 1,1'-Biphenyl	13.62	154	881	0.099	ng	# 84
48) 2-Nitroaniline	13.40	65	1194	0.553	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	13603	7.066	ng	# 23
52) Acenaphthene	14.78	154	227	0.034	ng	# 5
55) Dibenzofuran	15.58	168	54	0.005	ng	# 45
57) 2,4-Dinitrotoluene	14.78	165	13603	5.029	ng	# 18
58) Fluorene	16.27	166	6667	0.779	ng	# 94
63) Azobenzene	16.26	77	887	0.109	ng	# 12
65) 4,6-Dinitro-2-methylphenol	16.26	198	576	0.336	ng	# 1
66) n-Nitrosodiphenylamine	16.26	169	7240	0.862	ng	# 47
67) 4-Bromophenyl-phenylether	16.27	248	13056	4.019	ng	# 1
71) Phenanthrene	17.53	178	56	0.004	ng	# 1
72) Anthracene	17.53	178	56	0.004	ng	# 1
74) Di-n-butylphthalate	18.47	149	69	0.004	ng	# 77
77) Benzidine	20.12	184	20558	1.992	ng	# 92
78) Pyrene	20.12	202	4939	0.234	ng	# 74
80) Butylbenzylphthalate	20.79	149	55	0.007	ng	# 22

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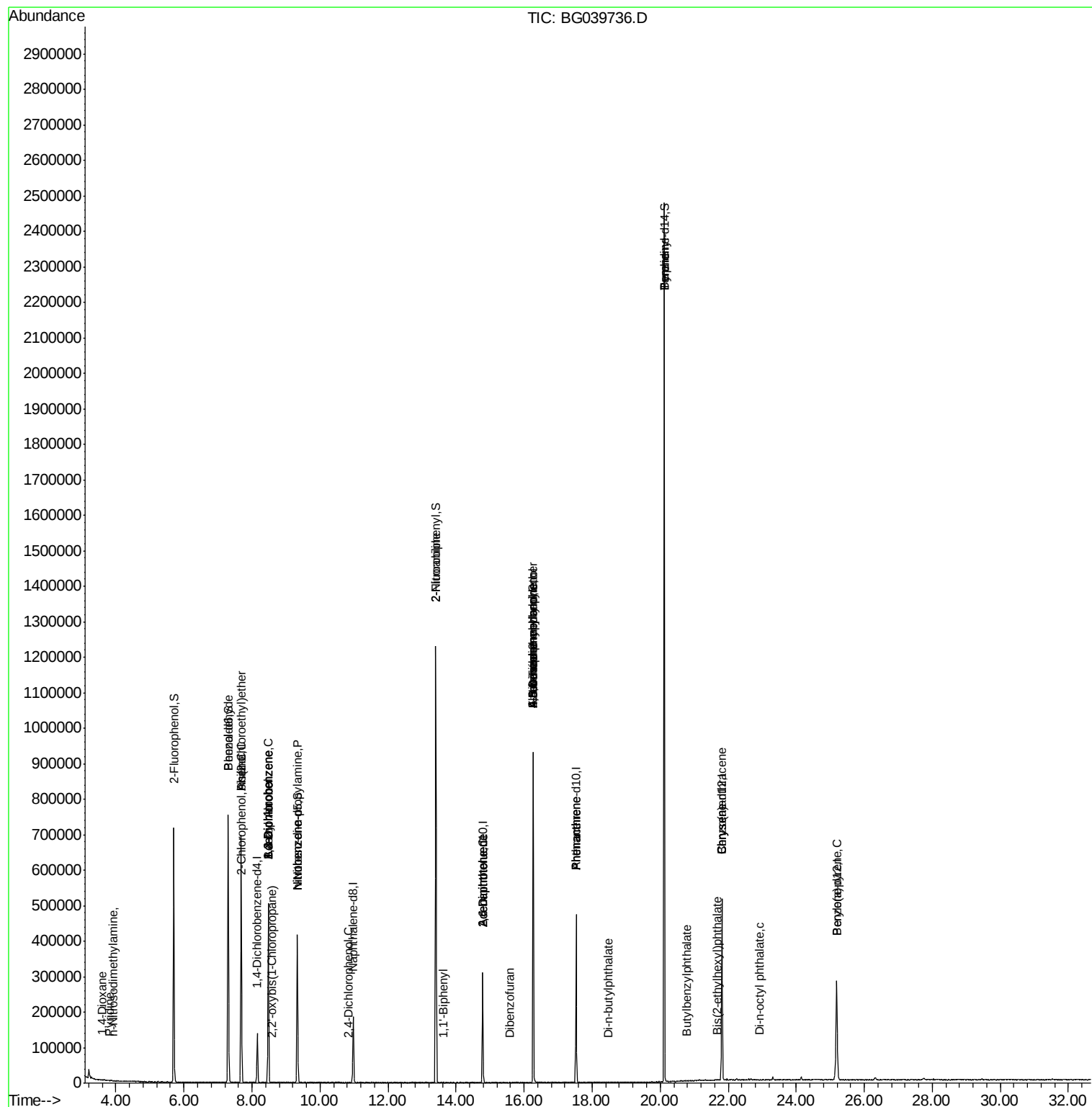
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.82	228	855	0.042	ng	# 38
83) Chrysene	21.82	228	855	0.043	ng	# 36
84) Bis(2-ethylhexyl)phthalate	21.66	149	110	0.010	ng	# 52
85) Di-n-octyl phthalate	22.91	149	59	0.003	ng	# 71
90) Benzo(a)pyrene	25.19	252	983	0.056	ng	# 67

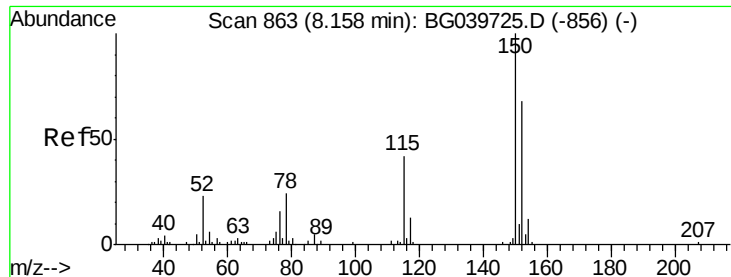
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

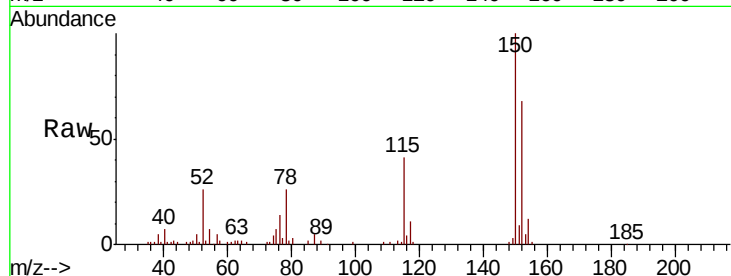
Tgt Ion:152 Resp: 38539

Ion Ratio Lower Upper

152 100

150 148.0 123.7 185.5

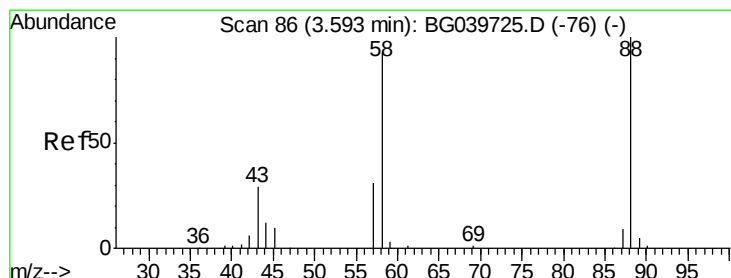
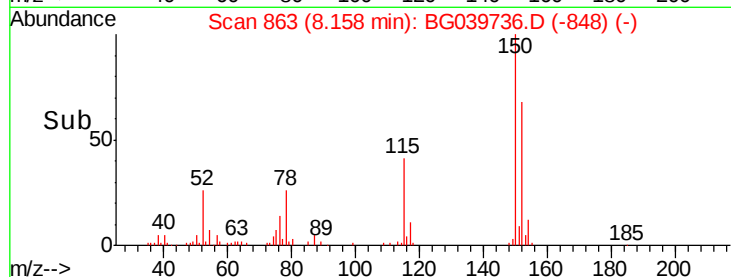
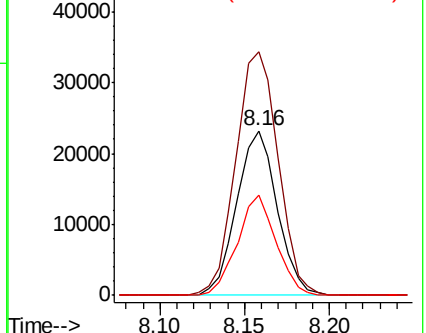
115 60.6 45.9 68.9



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: 0.063 ng

RT: 3.59 min Scan# 86

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

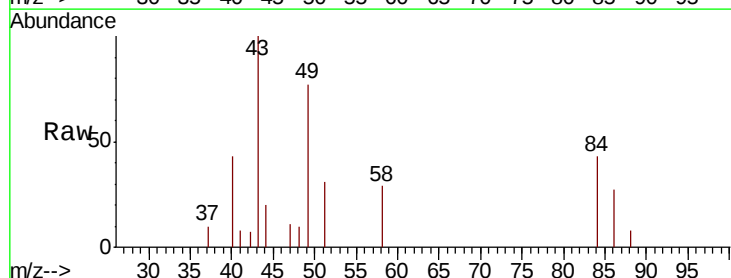
Tgt Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

58 350.0 81.1 121.7#

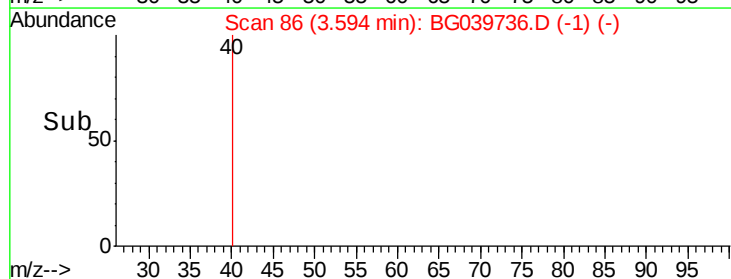
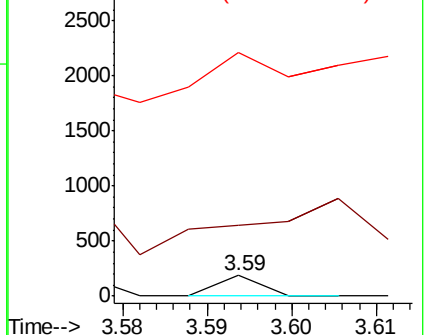
43 910.6 31.4 47.0#

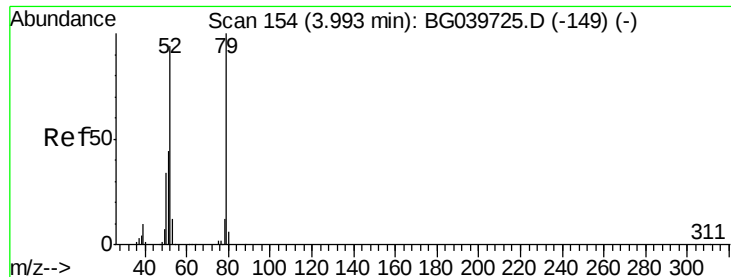


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 0.023 ng

RT: 3.81 min Scan# 122

Delta R.T. -0.20 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

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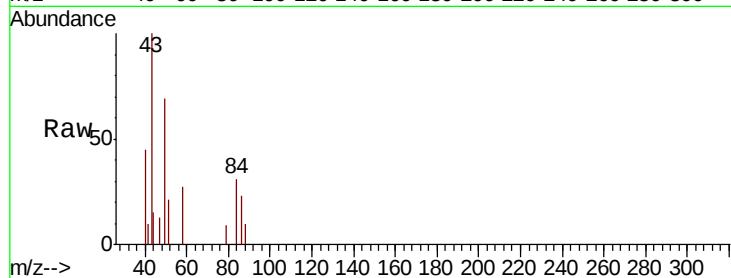
Tgt Ion: 79 Resp: 65

Ion Ratio Lower Upper

79 100

52 0.0 82.6 124.0#

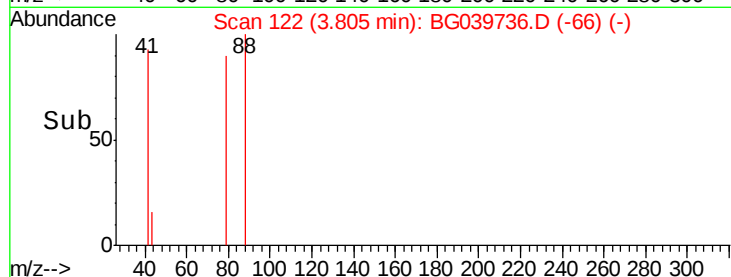
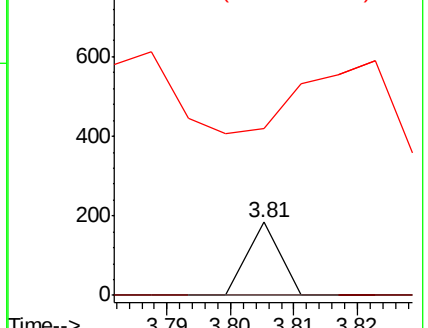
51 227.7 37.5 56.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.126 ng

RT: 3.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

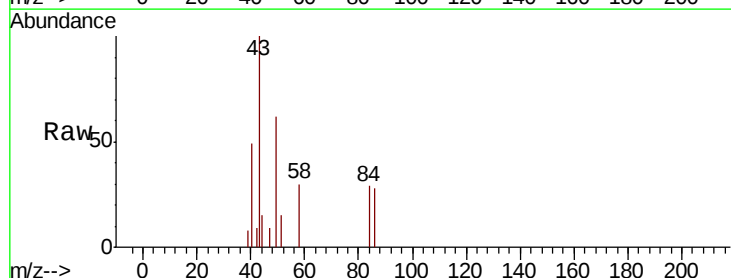
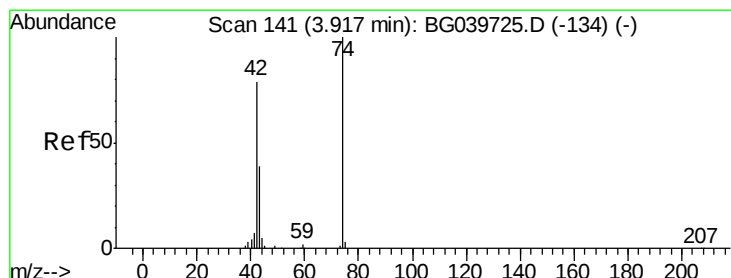
Tgt Ion: 42 Resp: 167

Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

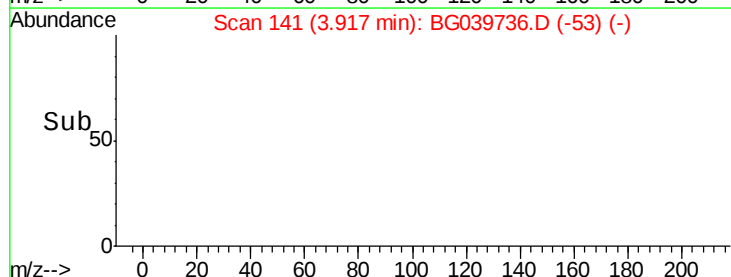
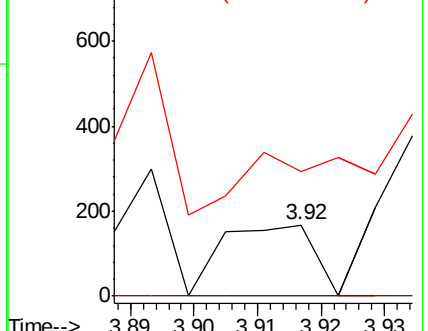
44 175.4 6.9 10.3#

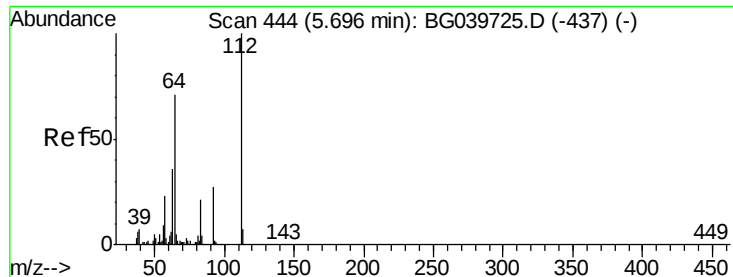


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 134.749 ng

RT: 5.70 min Scan# 445

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

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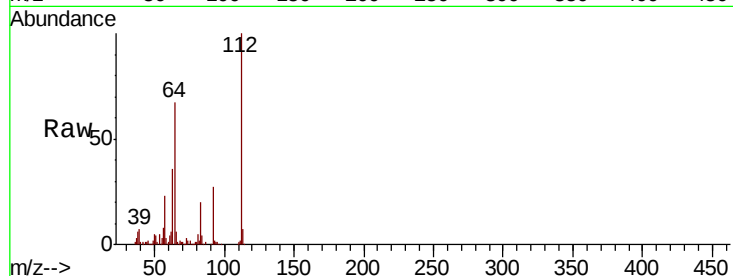
Tgt Ion:112 Resp: 304401

Ion Ratio Lower Upper

112 100

64 67.1 57.8 86.8

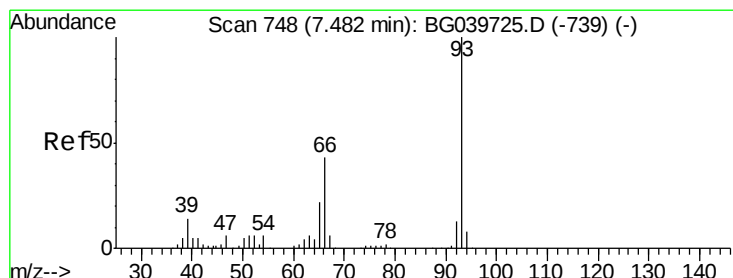
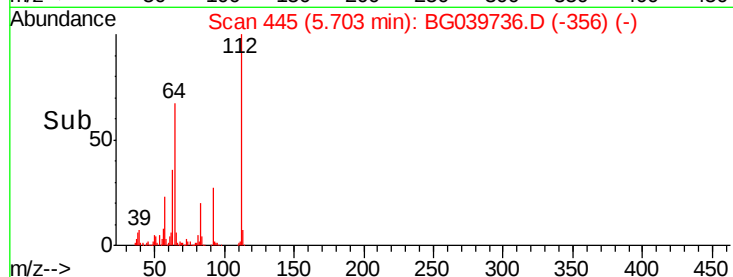
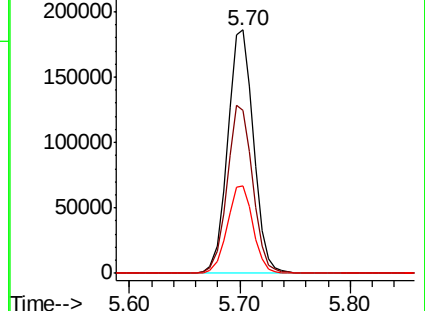
63 36.0 29.8 44.6



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: 0.140 ng

RT: 7.68 min Scan# 781

Delta R.T. 0.18 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

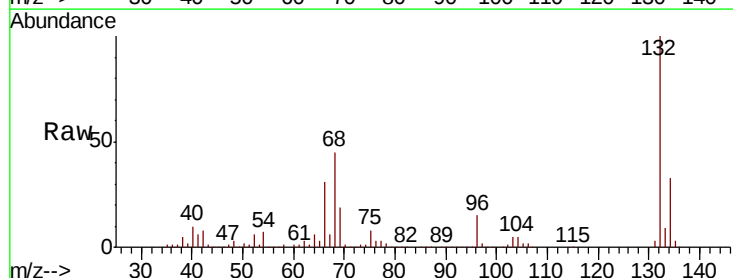
Tgt Ion: 93 Resp: 616

Ion Ratio Lower Upper

93 100

66 12014.0 34.2 51.4#

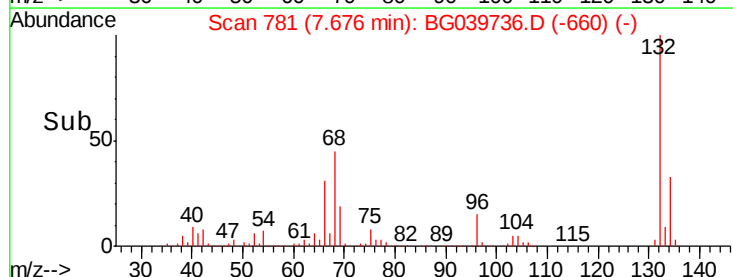
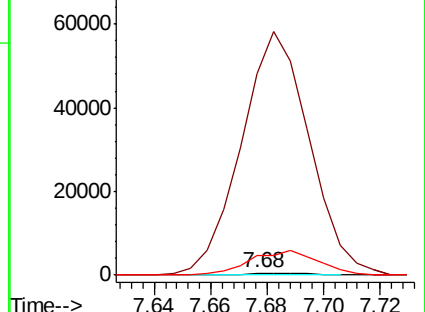
65 1153.6 17.7 26.5#

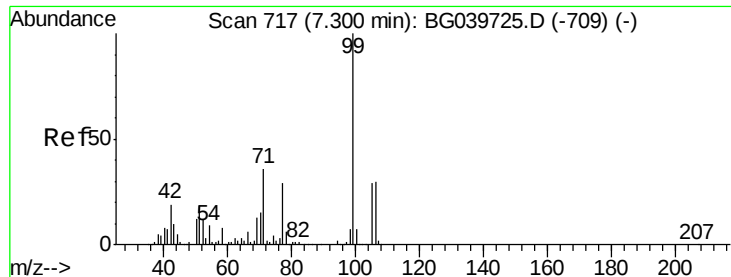


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.158 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039736.D

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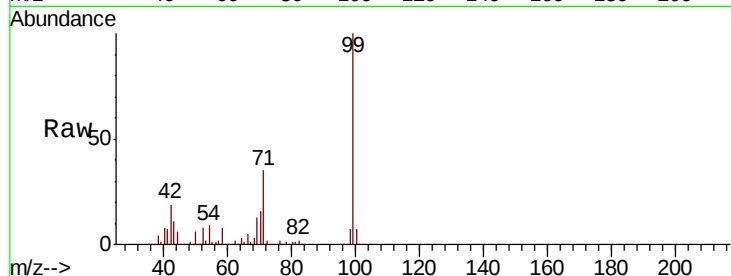
Tgt Ion: 99 Resp: 435047

Ion Ratio Lower Upper

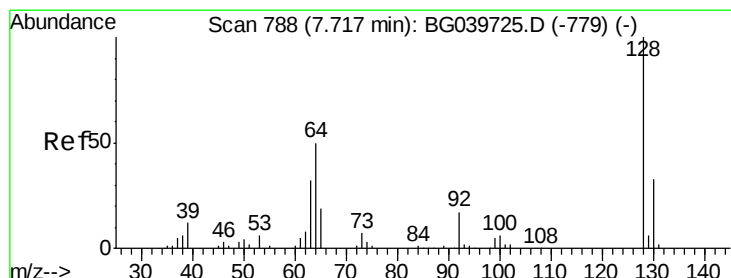
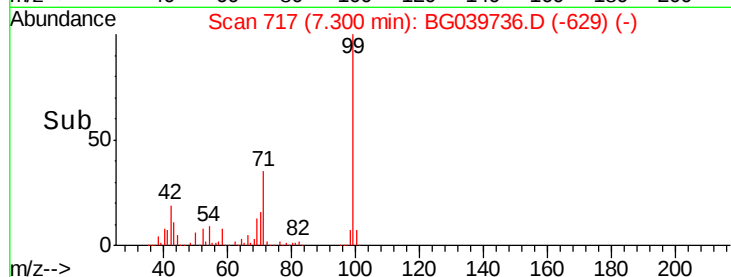
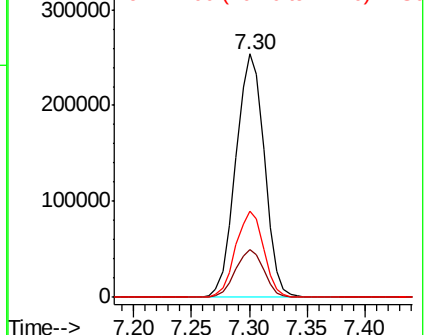
99 100

42 19.4 18.2 27.2

71 35.4 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: 0.020 ng

RT: 7.70 min Scan# 785

Delta R.T. -0.02 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

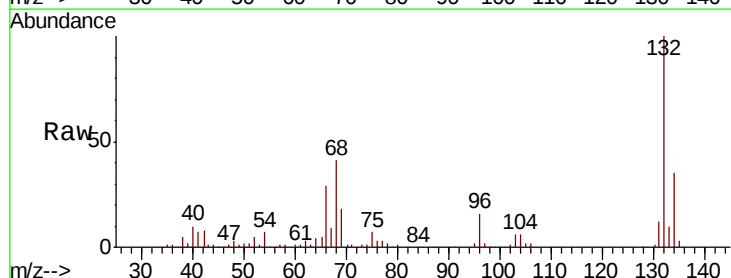
Tgt Ion: 128 Resp: 56

Ion Ratio Lower Upper

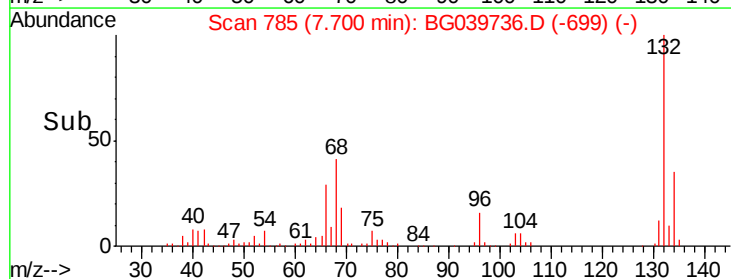
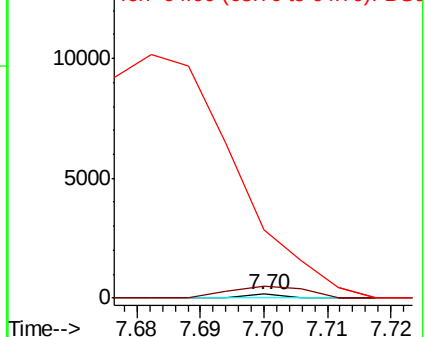
128 100

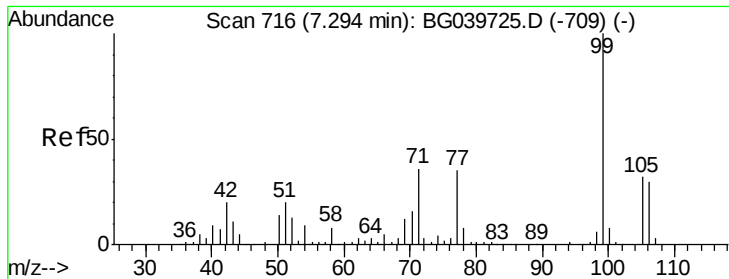
130 317.7 12.9 52.9#

64 1806.3 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): BGC





#9

Benzaldehyde

Concen: 0.266 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BG039736.D

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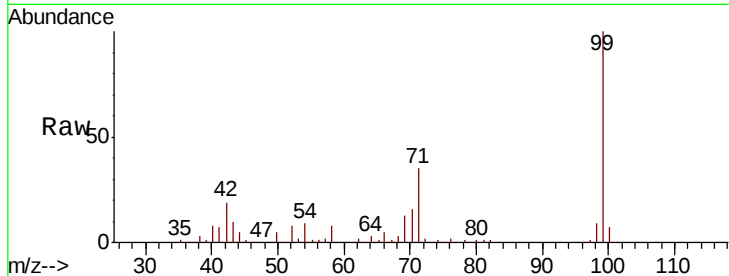
Tgt Ion: 77 Resp: 579

Ion Ratio Lower Upper

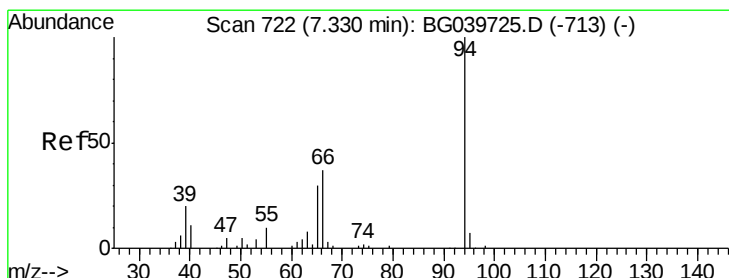
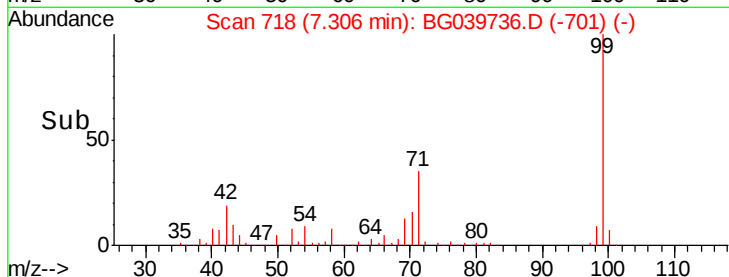
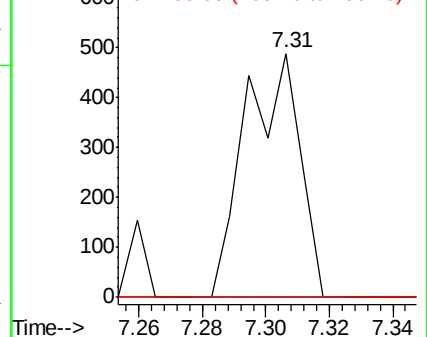
77 100

105 0.0 74.5 114.5#

106 0.0 68.0 108.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 0.185 ng

RT: 7.69 min Scan# 783

Delta R.T. 0.35 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

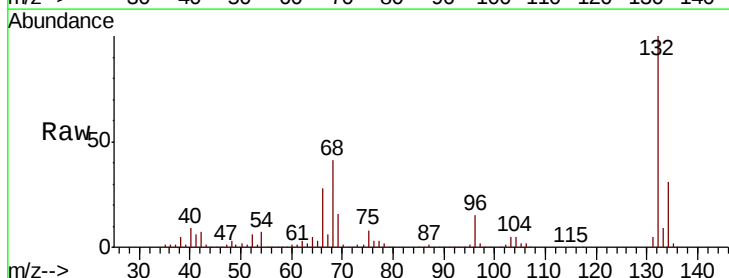
Tgt Ion: 94 Resp: 675

Ion Ratio Lower Upper

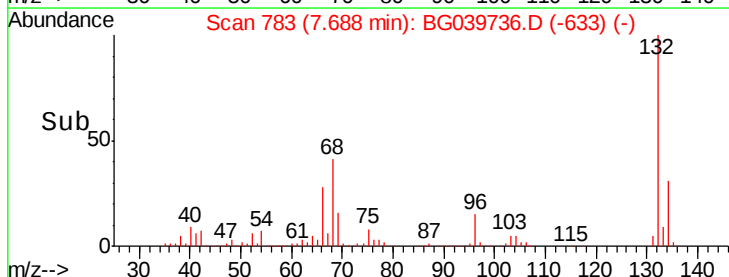
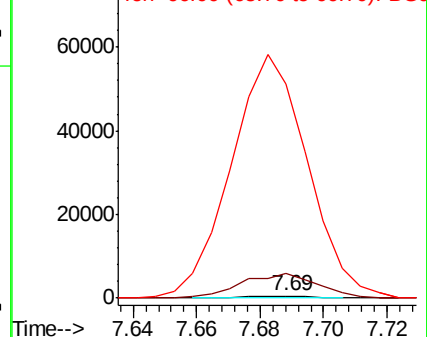
94 100

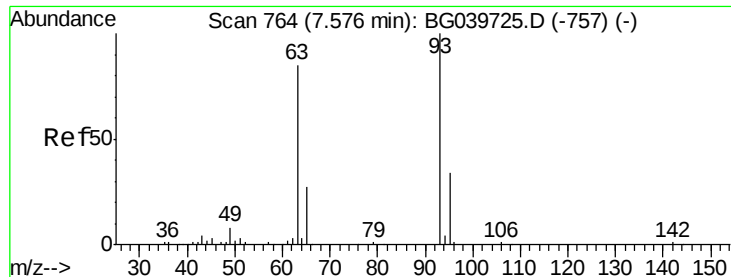
65 1128.6 11.7 51.7#

66 10019.6 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

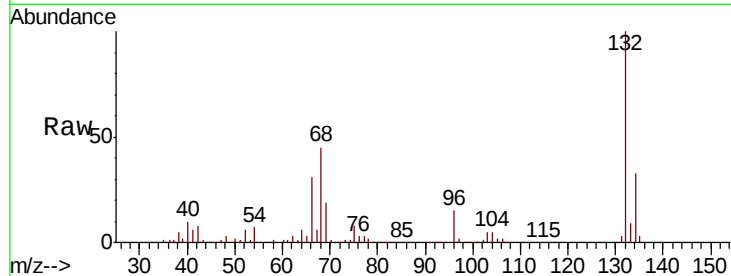




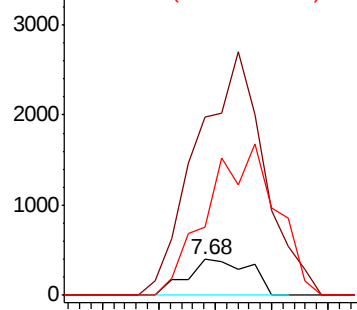
#11
 bis(2-Chloroethyl)ether
 Concen: 0.217 ng
 RT: 7.68 min Scan# 781
 Delta R.T. 0.09 min
 Lab File: BG039736.D
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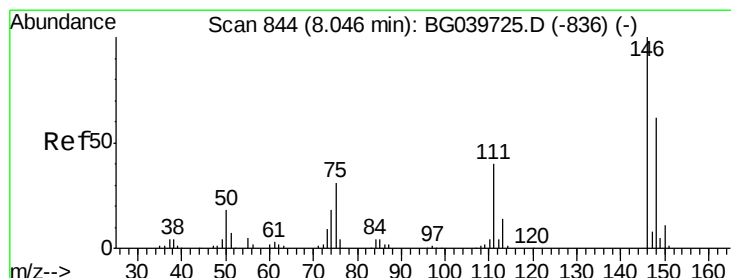
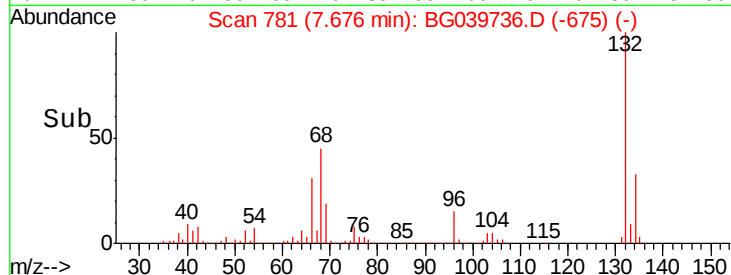
Tgt Ion: 93 Resp: 616
 Ion Ratio Lower Upper
 93 100
 63 494.8 69.5 109.5#
 95 189.0 12.7 52.7#



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

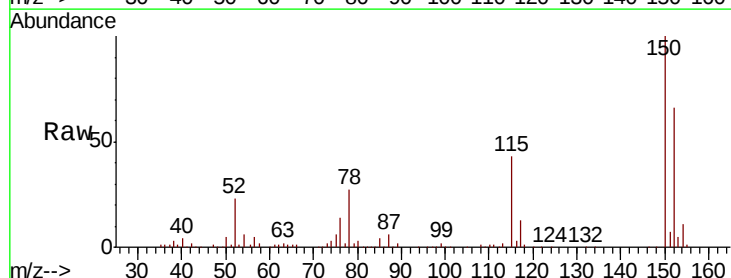


Time-->

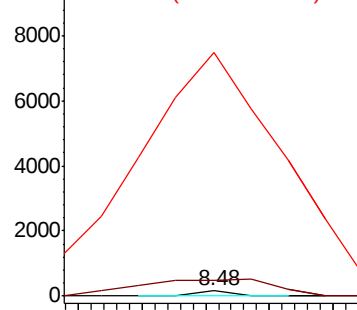


#12
 1,3-Dichlorobenzene
 Concen: 0.019 ng
 RT: 8.48 min Scan# 918
 Delta R.T. 0.43 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

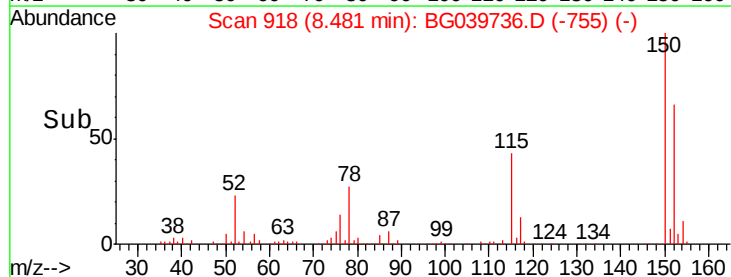
Tgt Ion: 146 Resp: 59
 Ion Ratio Lower Upper
 146 100
 148 280.2 52.6 79.0#
 75 4478.4 25.8 38.6#

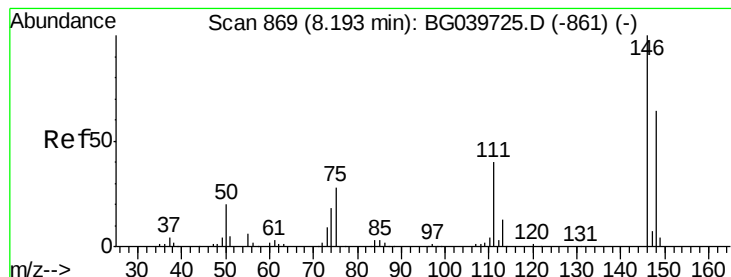


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC



Time-->





#13

1,4-Dichlorobenzene

Concen: 0.019 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.28 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

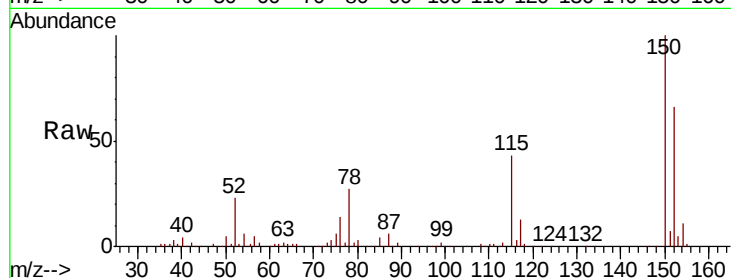
Tgt Ion:146 Resp: 59

Ion Ratio Lower Upper

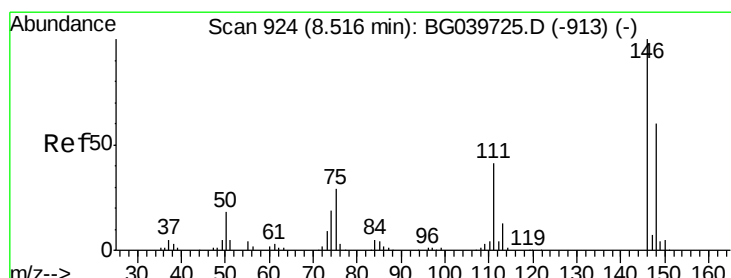
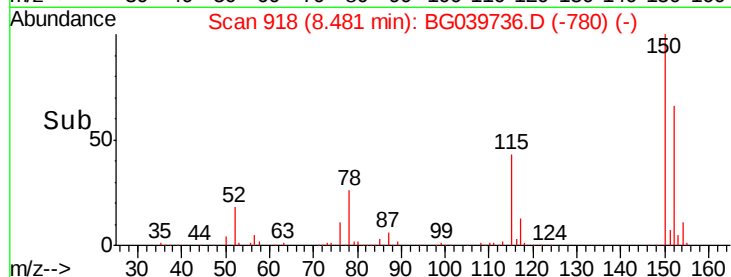
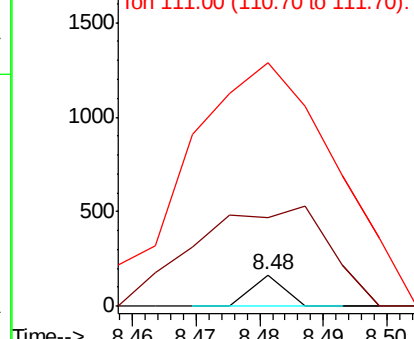
146 100

148 280.2 51.1 76.7#

111 770.7 32.6 48.8#



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



#14

1,2-Dichlorobenzene

Concen: 0.019 ng

RT: 8.48 min Scan# 918

Delta R.T. -0.04 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

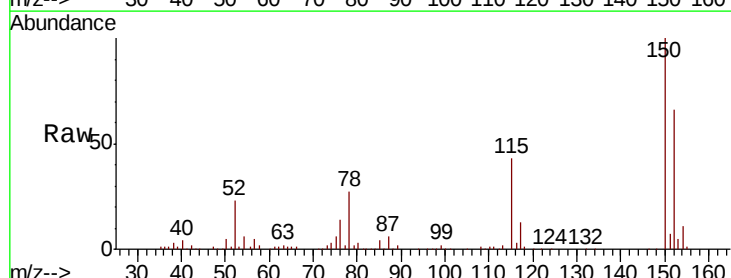
Tgt Ion:146 Resp: 59

Ion Ratio Lower Upper

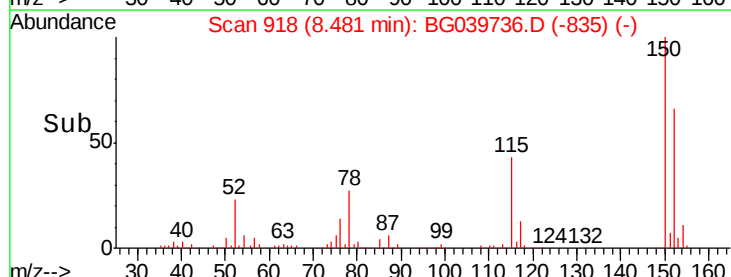
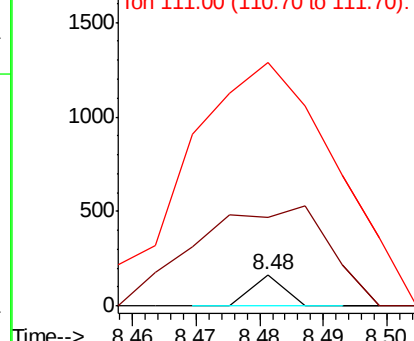
146 100

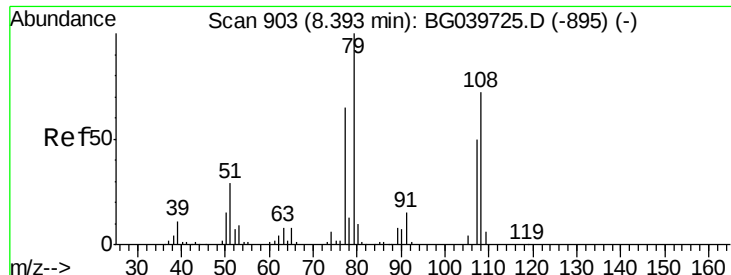
148 280.2 51.5 77.3#

111 770.7 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: 1.398 ng

RT: 8.48 min Scan# 918

Delta R.T. 0.08 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

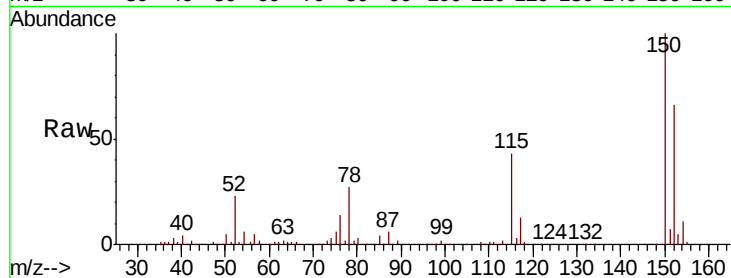
Tgt Ion: 79 Resp: 3736

Ion Ratio Lower Upper

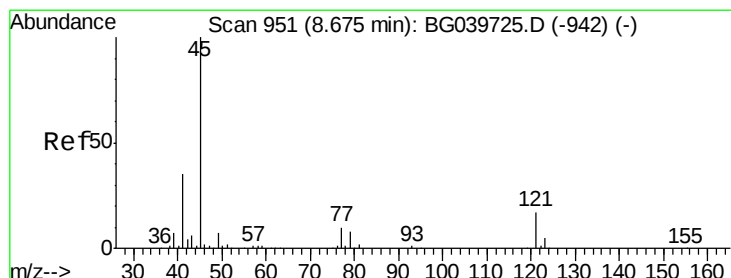
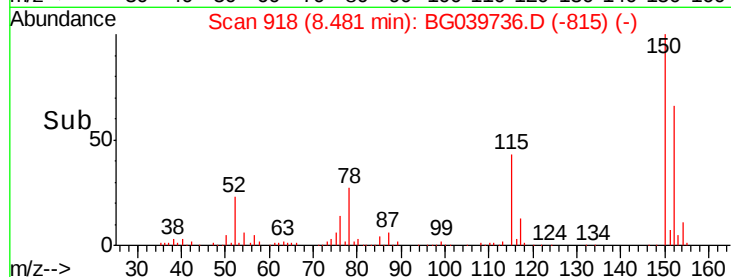
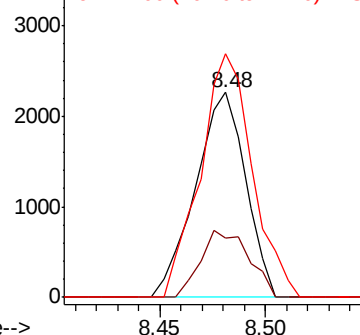
79 100

108 28.8 57.8 86.6#

77 119.0 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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.011 ng

RT: 8.59 min Scan# 936

Delta R.T. -0.09 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

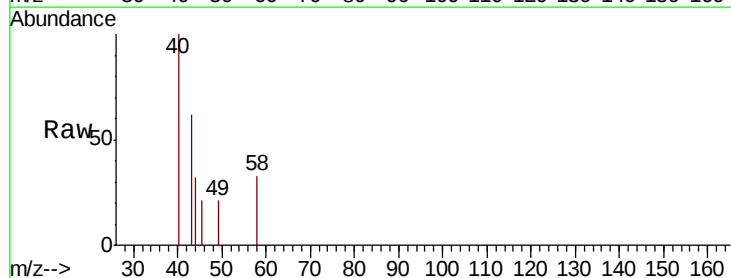
Tgt Ion: 45 Resp: 63

Ion Ratio Lower Upper

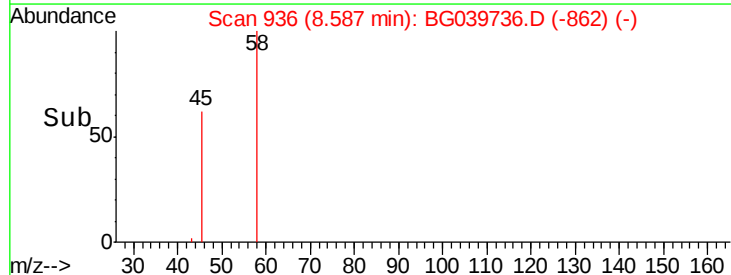
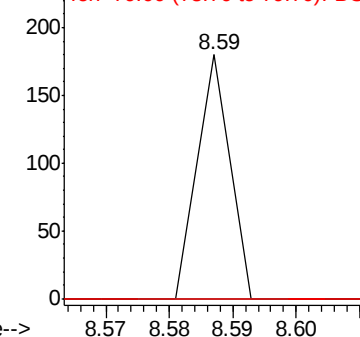
45 100

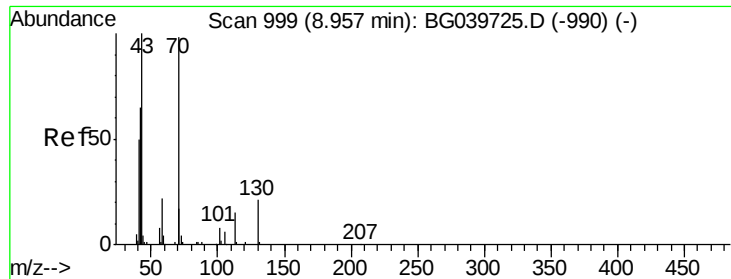
77 0.0 0.0 30.0

79 0.0 0.0 27.5



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

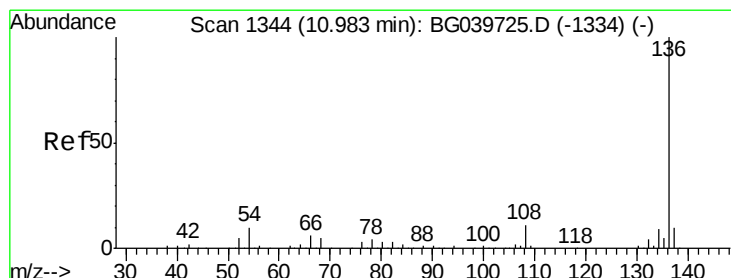
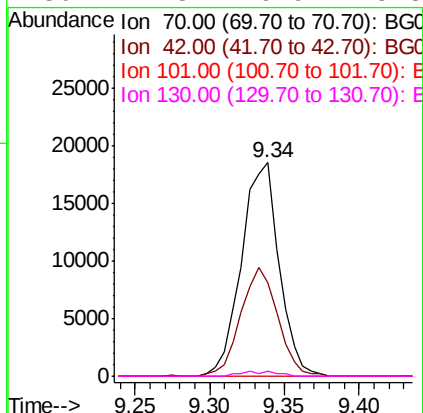
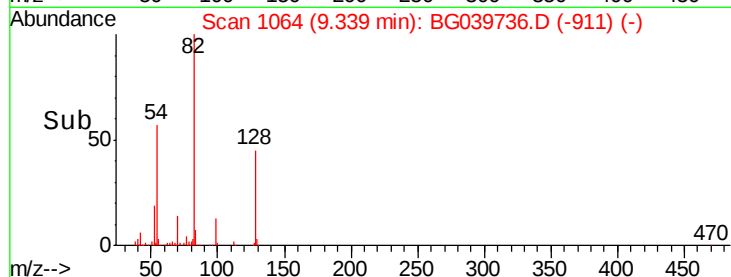
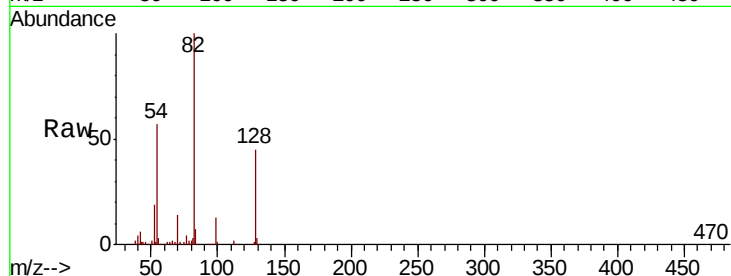




#19
n-Nitroso-di-n-propylamine
Concen: 13.333 ng
RT: 9.34 min Scan# 1064
Delta R.T. 0.37 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

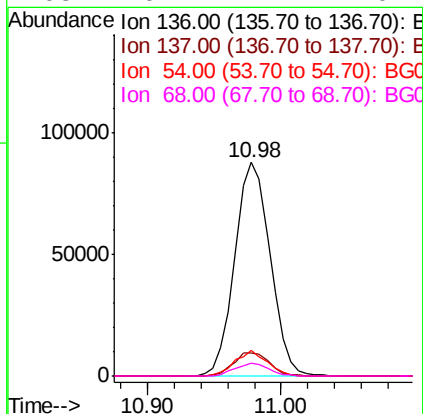
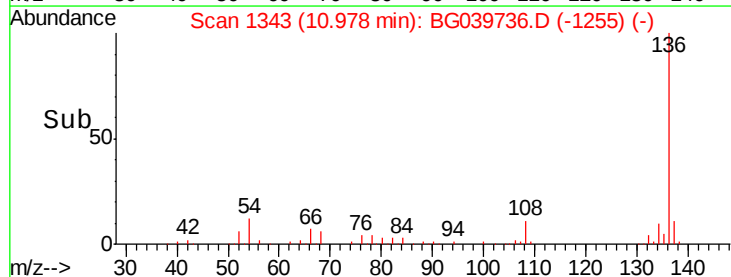
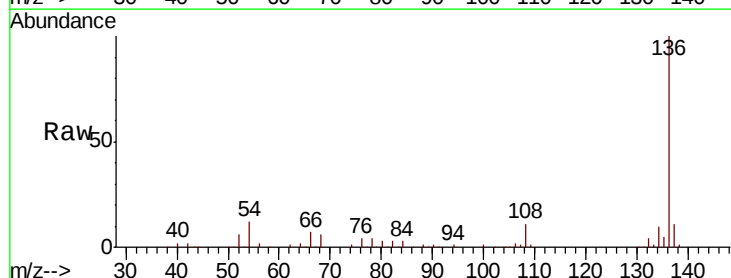
Instrument :
BNA_G
ClientSampleId :
PB117567BL

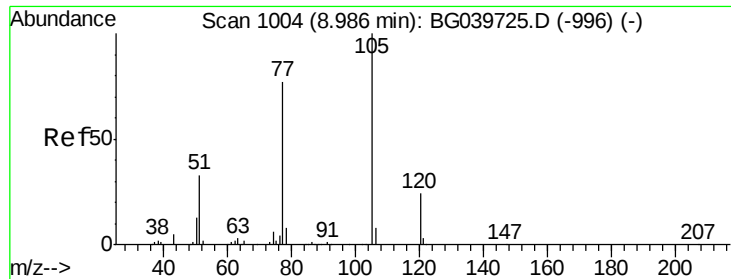
Tgt Ion:	70	Resp:	32325
Ion	Ratio	Lower	Upper
70	100		
42	44.0	60.4	90.6#
101	0.0	7.5	11.3#
130	2.3	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Tgt Ion:	136	Resp:	161028
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	11.9	9.4	14.2
68	6.2	4.2	6.4

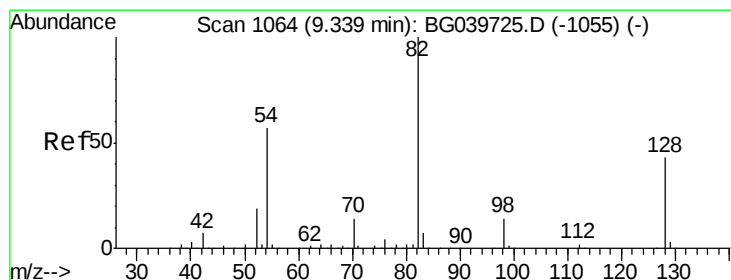
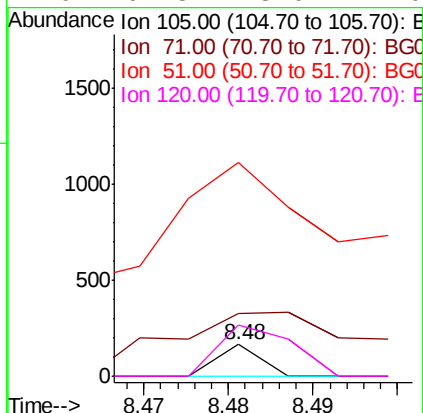
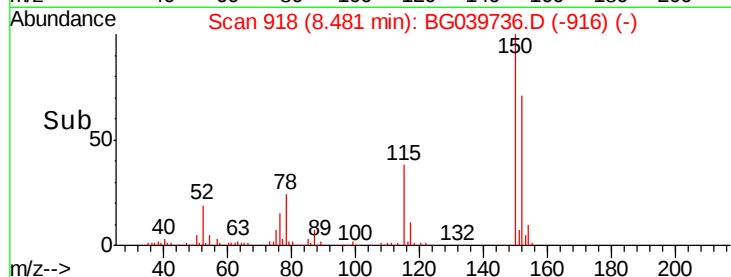
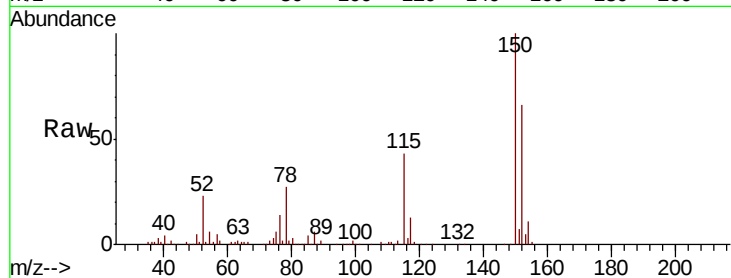




#22
Acetophenone
Concen: 0.013 ng
RT: 8.48 min Scan# 918
Delta R.T. -0.52 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

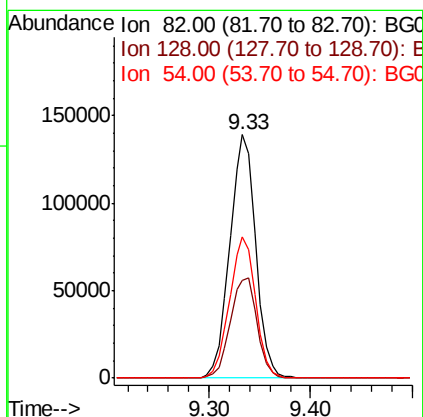
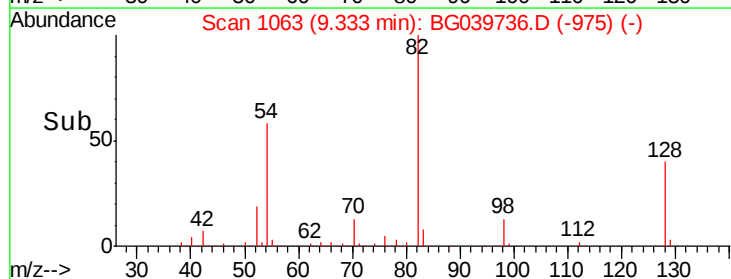
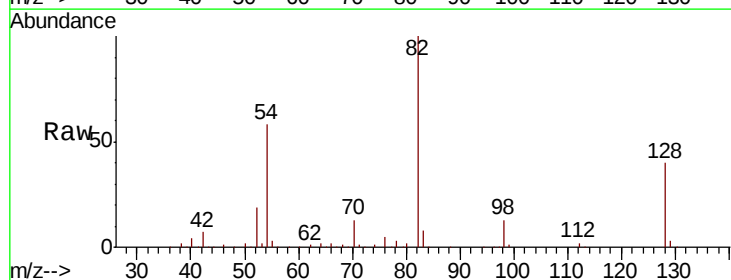
Instrument :
BNA_G
ClientSampleId :
PB117567BL

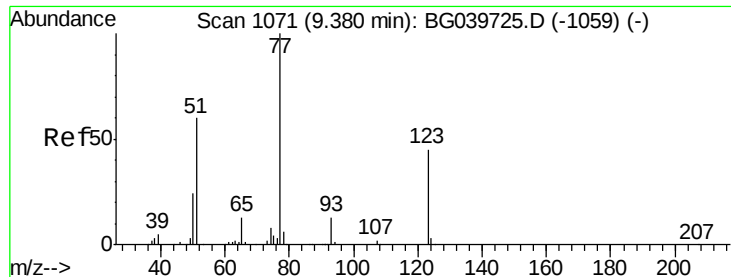
Tgt Ion: 105 Resp: 58
Ion Ratio Lower Upper
105 100
71 198.8 0.8 1.2#
51 675.2 30.2 45.2#
120 161.8 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 82.616 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Tgt Ion: 82 Resp: 245978
Ion Ratio Lower Upper
82 100
128 40.3 31.3 46.9
54 57.7 50.9 76.3





#24

Nitrobenzene

Concen: 0.176 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.05 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

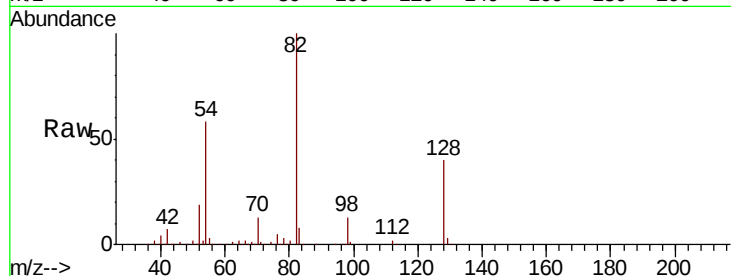
Tgt Ion: 77 Resp: 549

Ion Ratio Lower Upper

77 100

123 0.0 34.1 51.1#

65 54.8 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

9.33

300

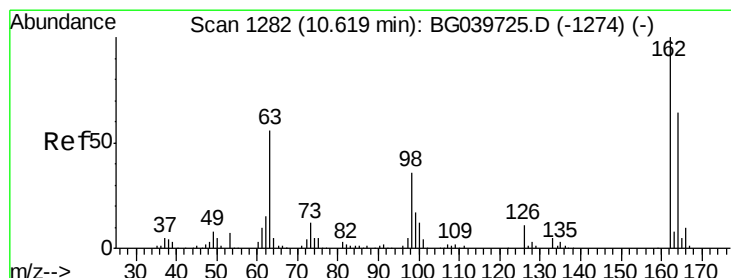
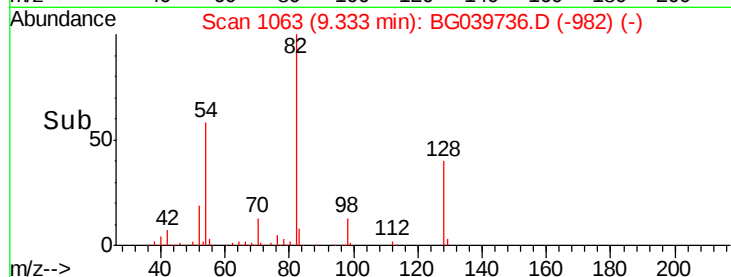
200

100

0

9.30 9.32 9.34 9.36 9.38

Time-->



#29

2,4-Dichlorophenol

Concen: 0.022 ng

RT: 10.85 min Scan# 1321

Delta R.T. 0.22 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

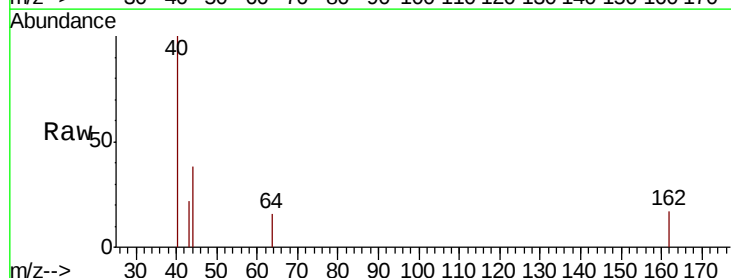
Tgt Ion: 162 Resp: 57

Ion Ratio Lower Upper

162 100

164 0.0 48.1 88.1#

98 0.0 18.1 58.1#



Abundance Ion 162.00 (161.70 to 162.70): BGC

Ion 164.00 (163.70 to 164.70): BGC

Ion 98.00 (97.70 to 98.70): BGC

10.85

200

150

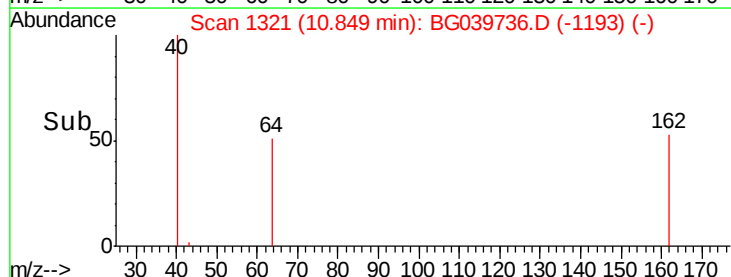
100

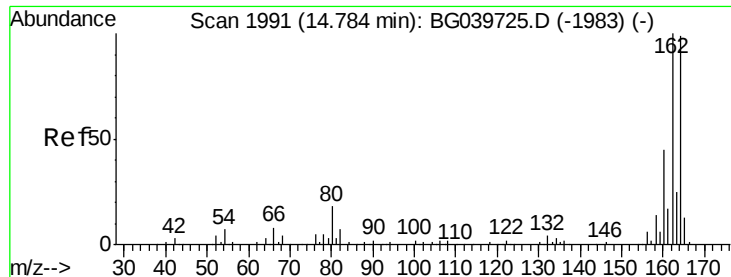
50

0

10.84 10.86

Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

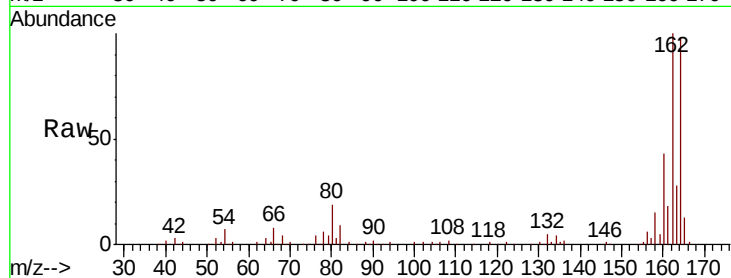
Tgt Ion:164 Resp: 108597

Ion Ratio Lower Upper

164 100

162 101.9 81.6 122.4

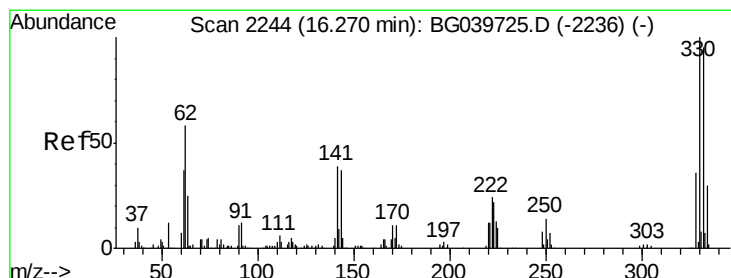
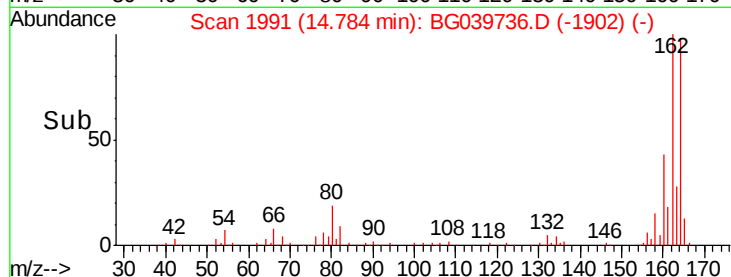
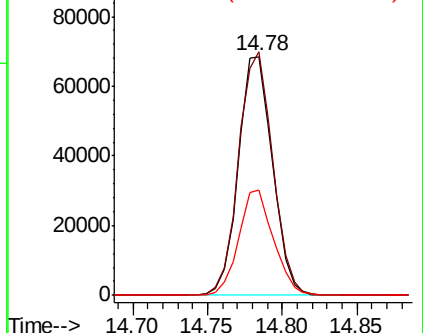
160 43.9 34.2 51.2



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: 131.439 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

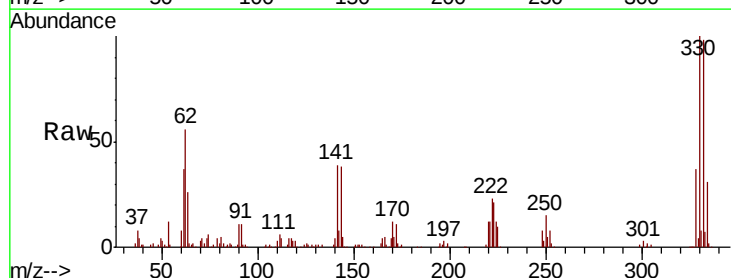
Tgt Ion:330 Resp: 166373

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

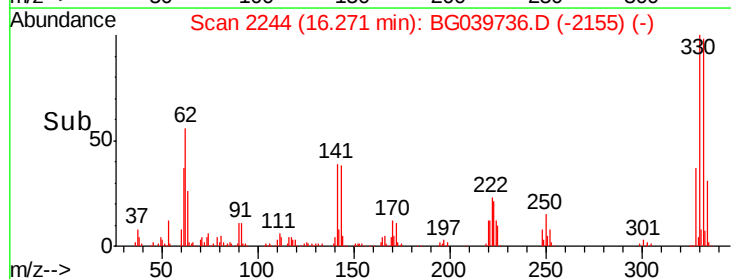
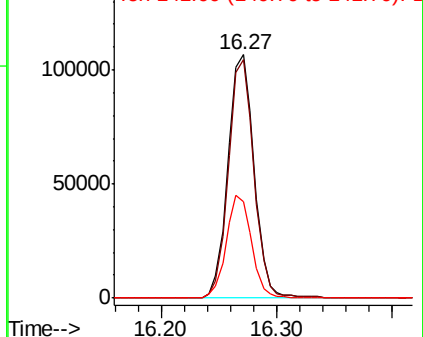
141 41.2 35.6 53.4

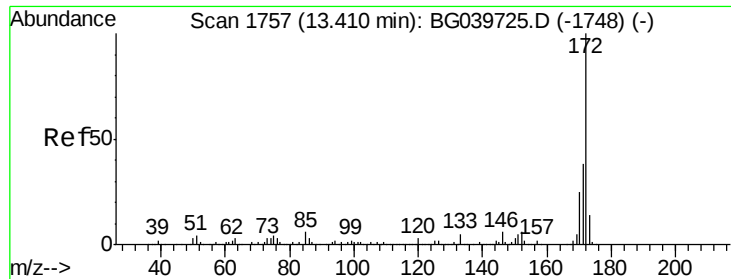


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

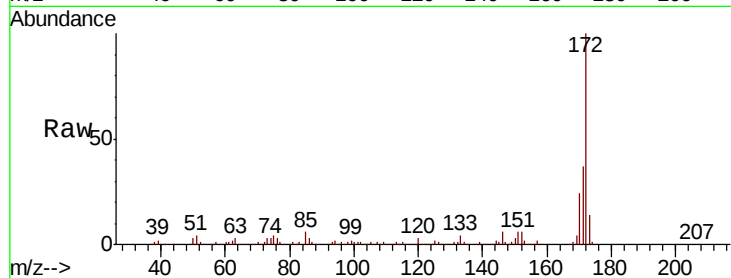




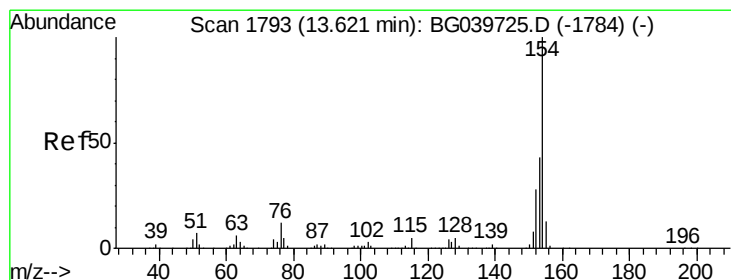
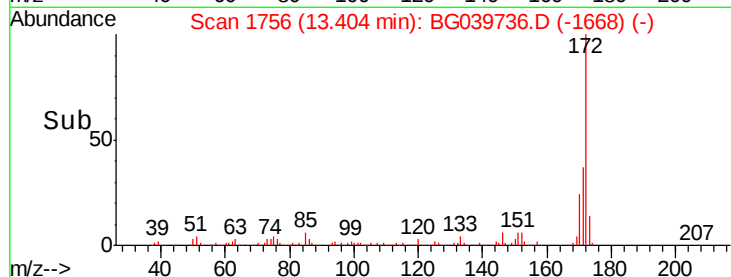
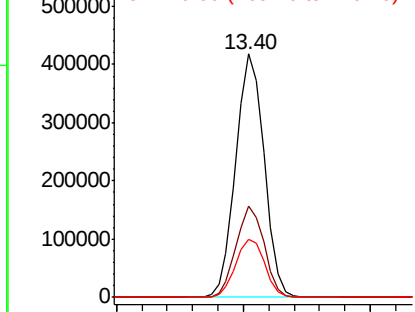
#45
 2-Fluorobiphenyl
 Concen: 84.917 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB117567BL

Tgt Ion:172 Resp: 647674
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.8 46.2
 170 23.7 20.2 30.4

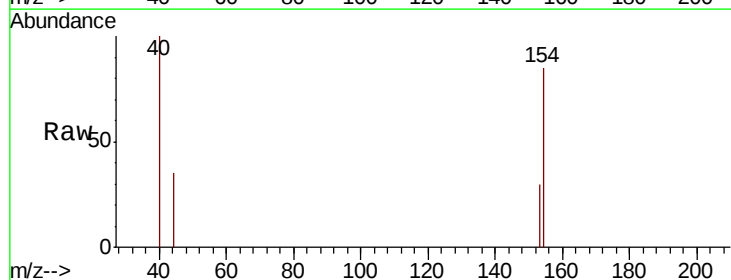


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

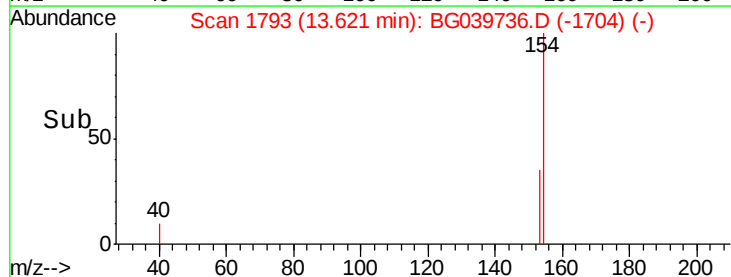
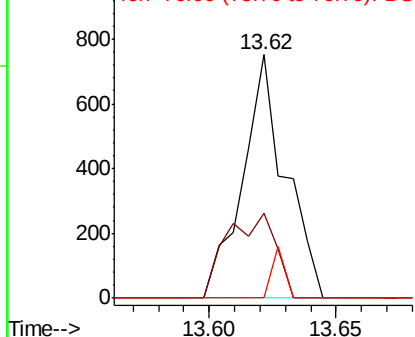


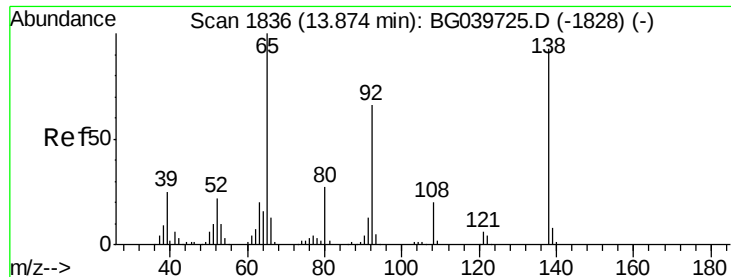
#46
 1,1'-Biphenyl
 Concen: 0.099 ng
 RT: 13.62 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Tgt Ion:154 Resp: 881
 Ion Ratio Lower Upper
 154 100
 153 34.8 22.1 62.1
 76 0.0 0.0 32.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#48

2-Nitroaniline

Concen: 0.553 ng

RT: 13.40 min Scan# 1755

Delta R.T. -0.48 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

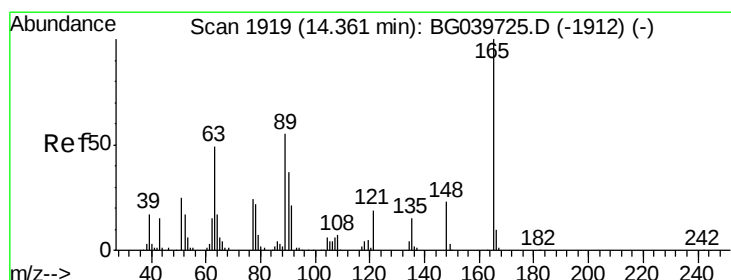
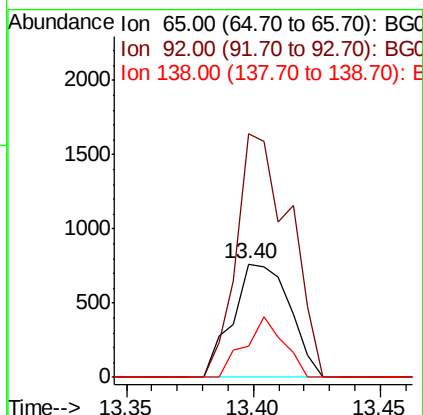
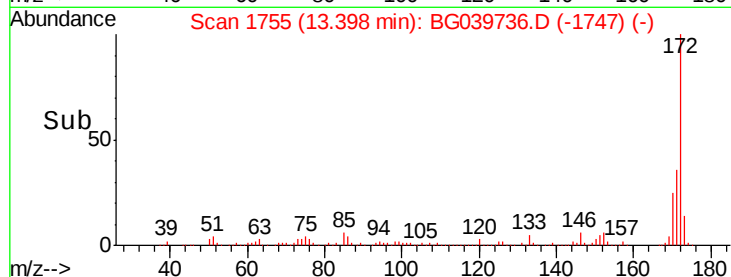
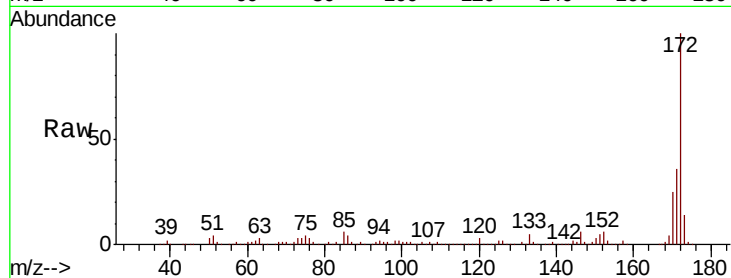
Tgt Ion: 65 Resp: 1194

Ion Ratio Lower Upper

65 100

92 214.4 51.4 77.2#

138 27.6 71.4 107.2#



#51

2,6-Dinitrotoluene

Concen: 7.066 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.42 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

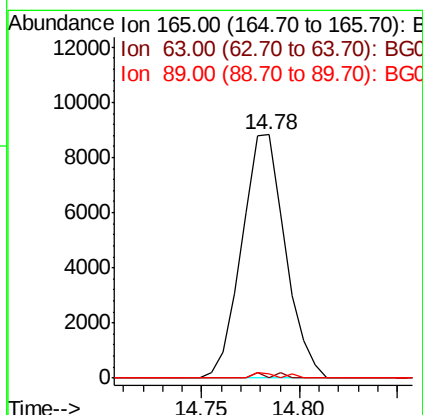
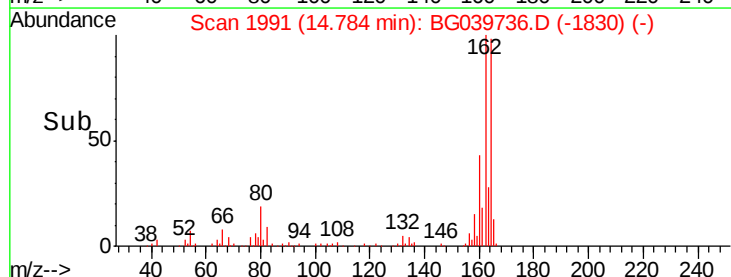
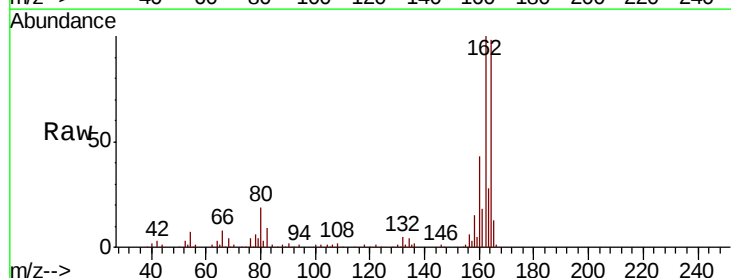
Tgt Ion: 165 Resp: 13603

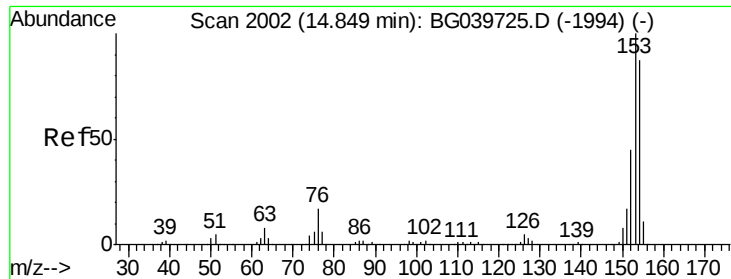
Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

89 1.8 45.8 68.8#





#52

Acenaphthene

Concen: 0.034 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.07 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

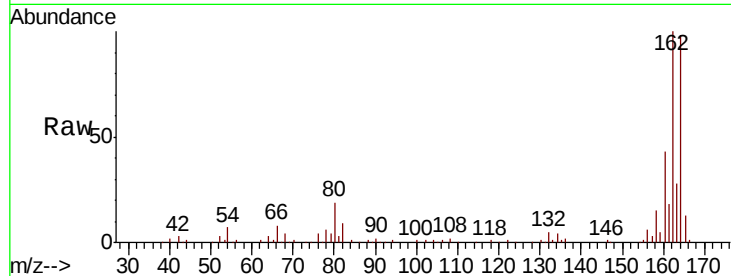
Tgt Ion:154 Resp: 227

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

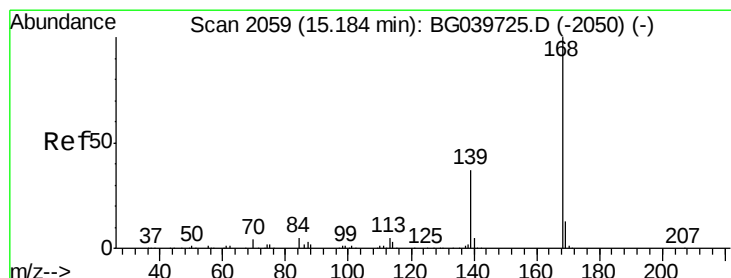
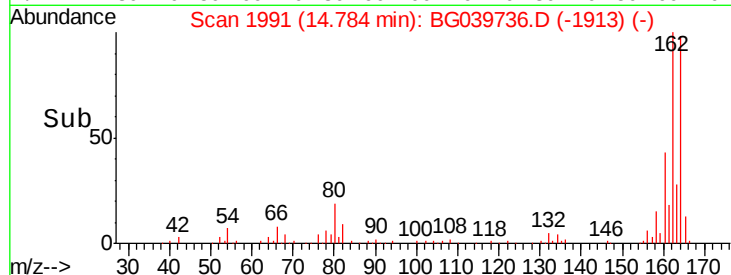
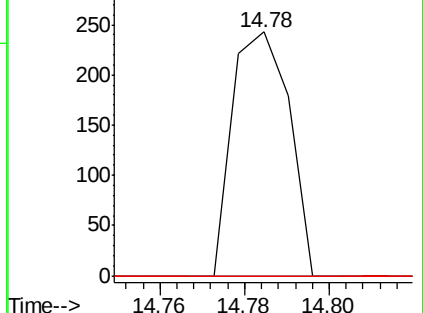
152 0.0 40.9 61.3#



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: 15.58 min Scan# 2126

Delta R.T. 0.39 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

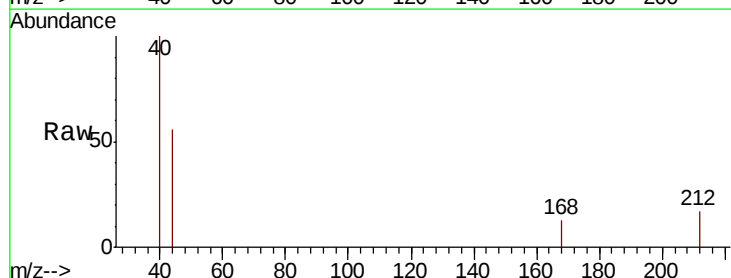
Tgt Ion:168 Resp: 54

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

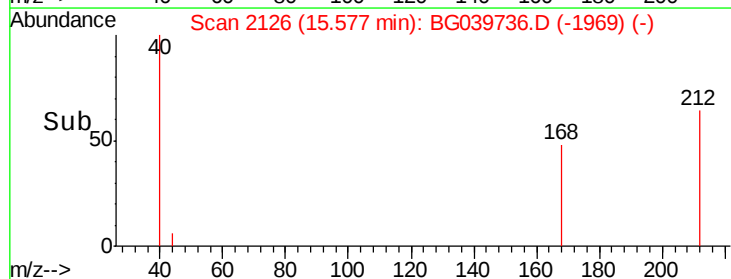
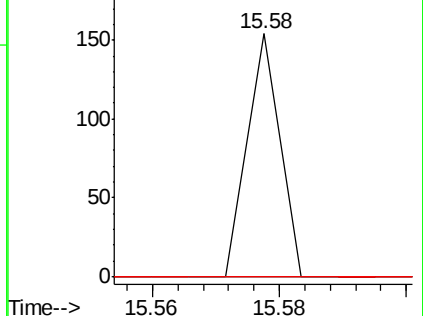
169 0.0 10.6 16.0#

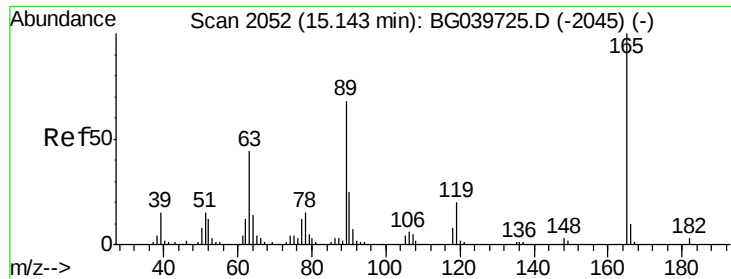


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

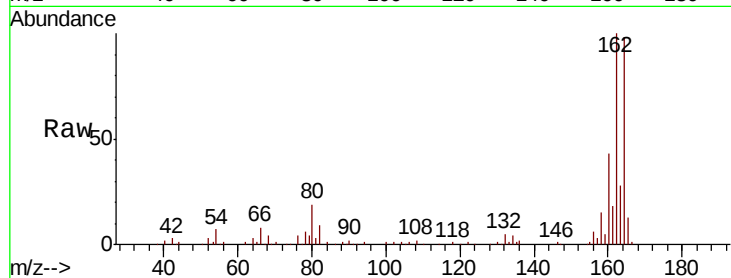




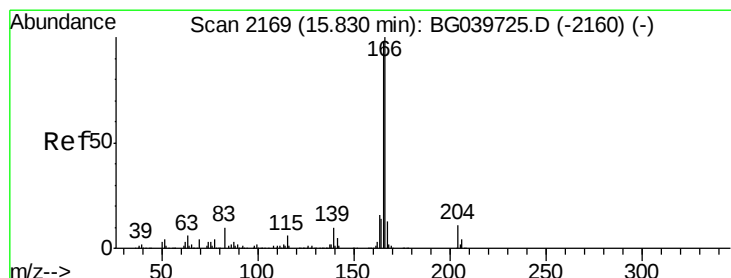
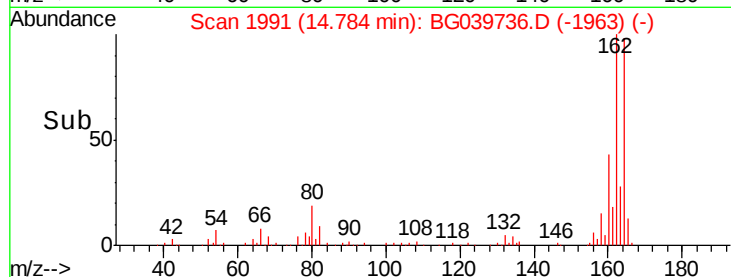
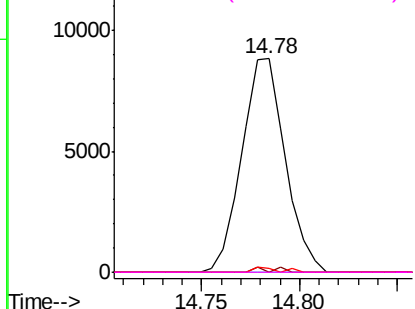
#57
 2,4-Dinitrotoluene
 Concen: 5.029 ng
 RT: 14.78 min Scan# 1991
 Delta R.T. -0.36 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB117567BL

Tgt Ion:	165	Resp:	13603
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	1.8	64.6	96.8#
182	0.0	2.0	3.0#

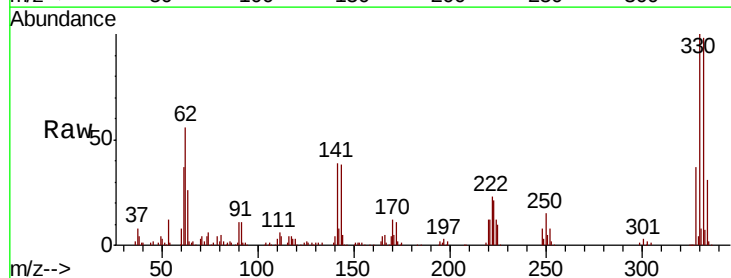


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

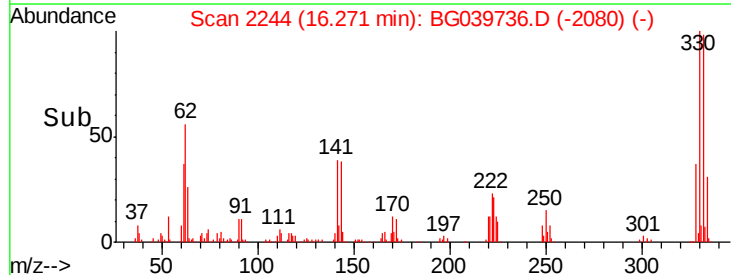
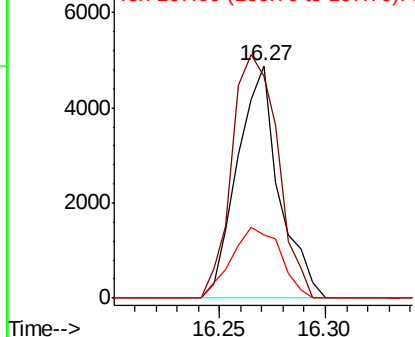


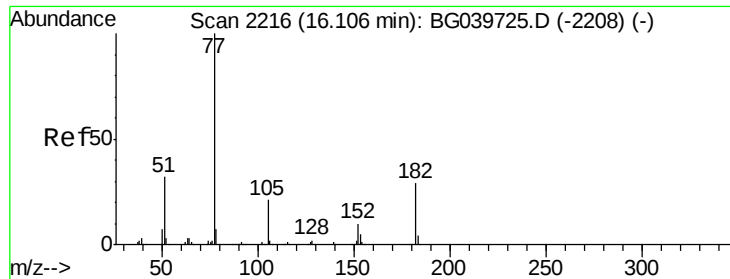
#58
 Fluorene
 Concen: 0.779 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.43 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Tgt Ion:	166	Resp:	6667
Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.9	116.9
167	27.2	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

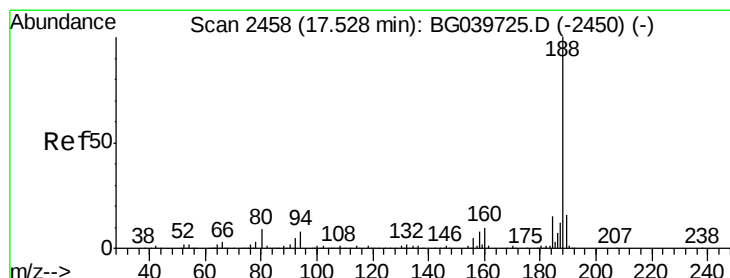
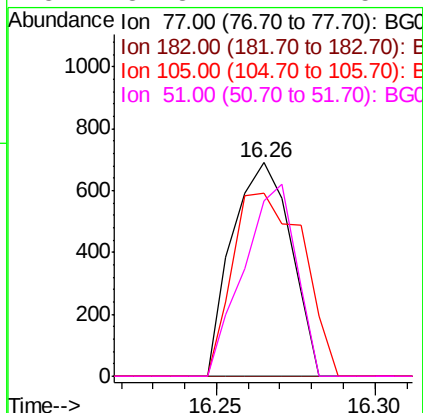
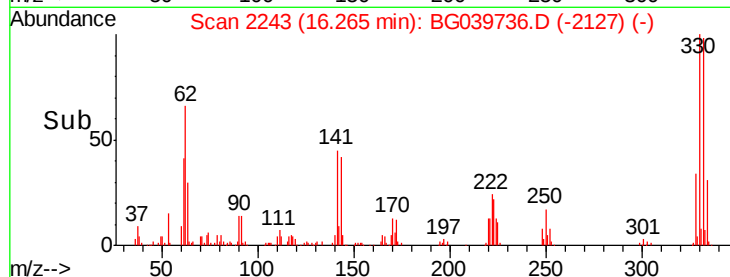
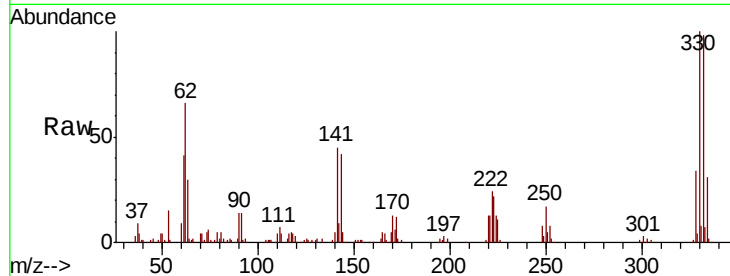




#63
Azobenzene
Concen: 0.109 ng
RT: 16.26 min Scan# 2243
Delta R.T. 0.15 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

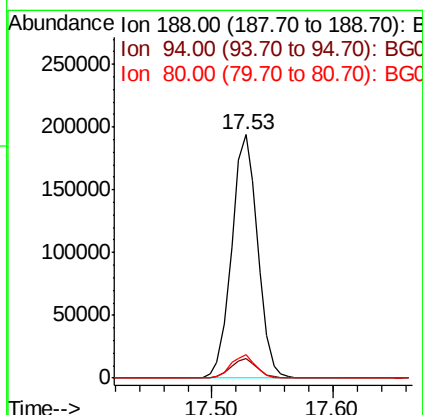
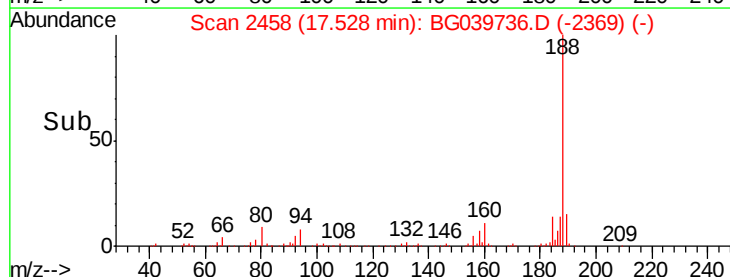
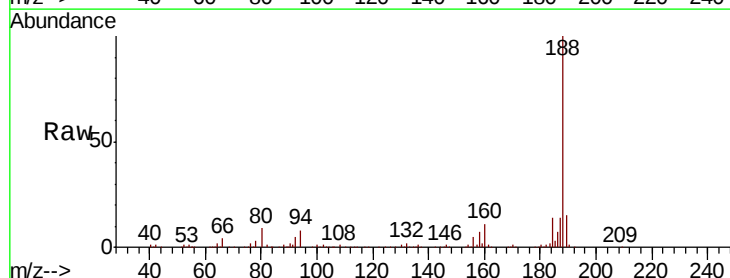
Instrument :
BNA_G
ClientSampleId :
PB117567BL

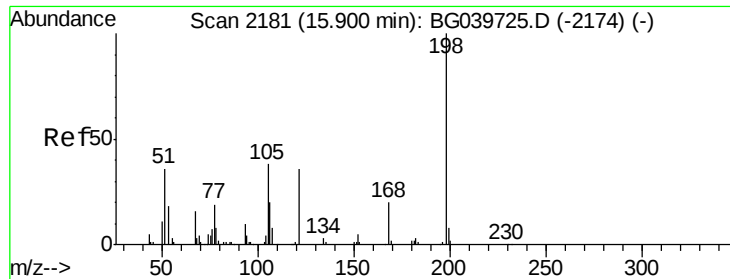
Tgt Ion: 77 Resp: 887
Ion Ratio Lower Upper
77 100
182 0.0 6.4 46.4#
105 85.8 0.0 39.8#
51 82.3 14.1 54.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Tgt Ion: 188 Resp: 290251
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 9.4 8.1 12.1

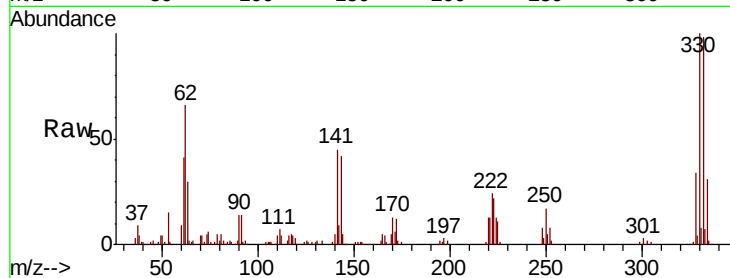




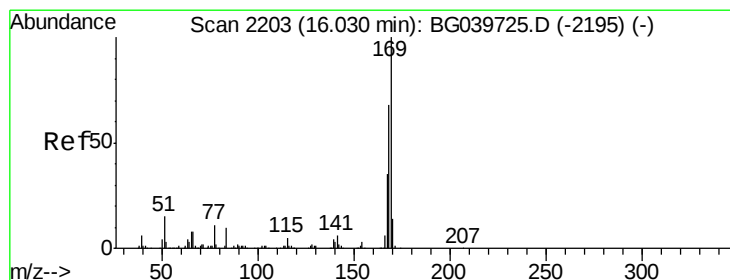
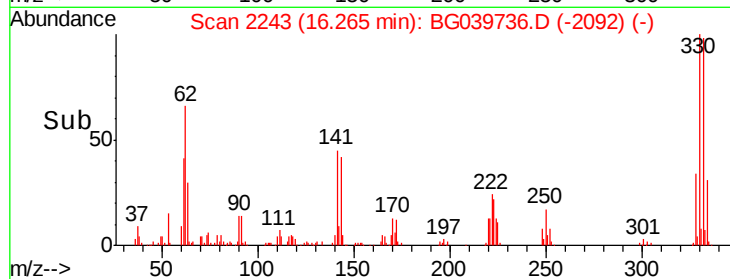
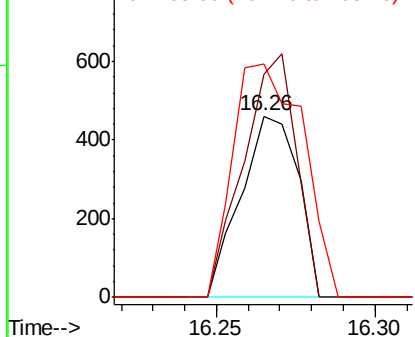
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.336 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. 0.36 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB117567BL

Tgt Ion:198 Resp: 576
 Ion Ratio Lower Upper
 198 100
 51 123.5 27.4 67.4#
 105 128.7 19.7 59.7#

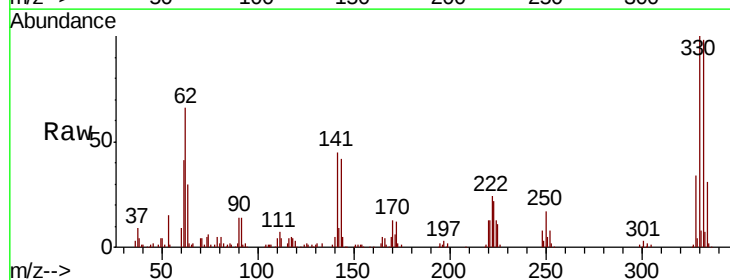


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

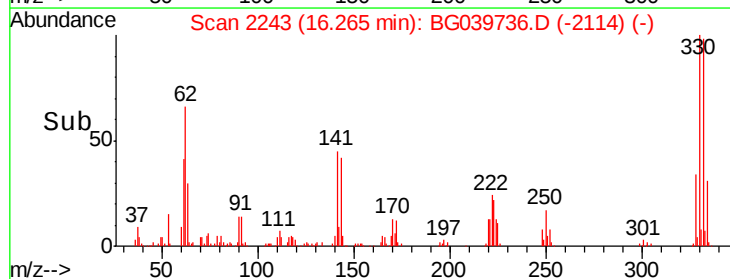
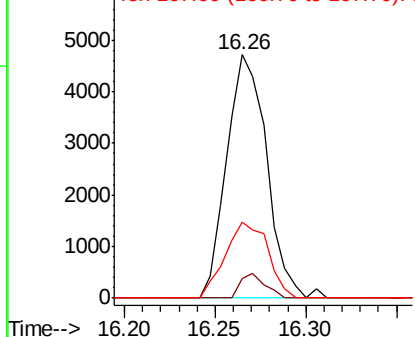


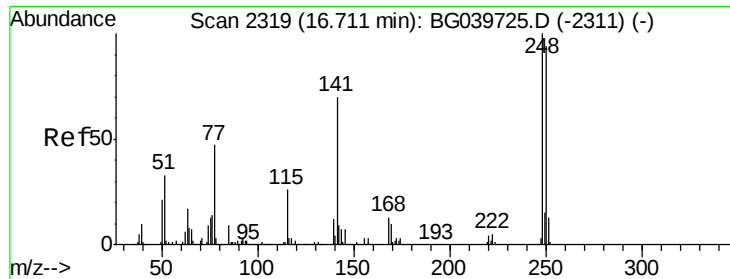
#66
 n-Nitrosodiphenylamine
 Concen: 0.862 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. 0.23 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Tgt Ion:169 Resp: 7240
 Ion Ratio Lower Upper
 169 100
 168 8.1 56.6 85.0#
 167 31.3 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

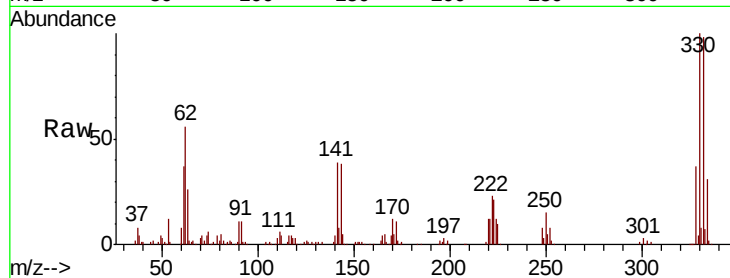




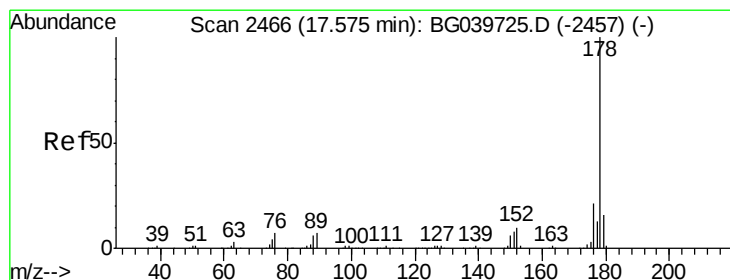
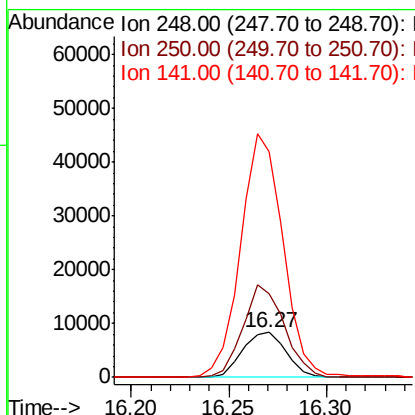
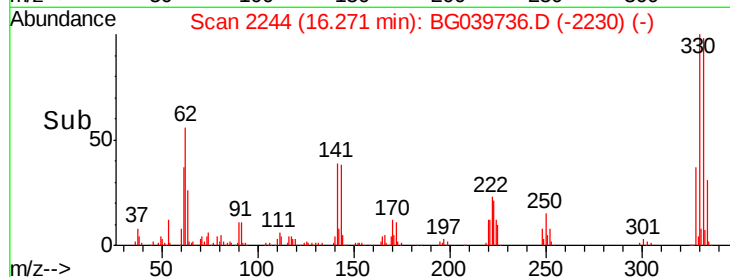
#67
 4-Bromophenyl-phenylether
 Concen: 4.019 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.45 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Instrument :
 BNA_G
 ClientSampleId :
 PB117567BL

Tgt Ion:248 Resp: 13056
 Ion Ratio Lower Upper
 248 100
 250 186.7 77.6 116.4#
 141 501.2 63.9 95.9#

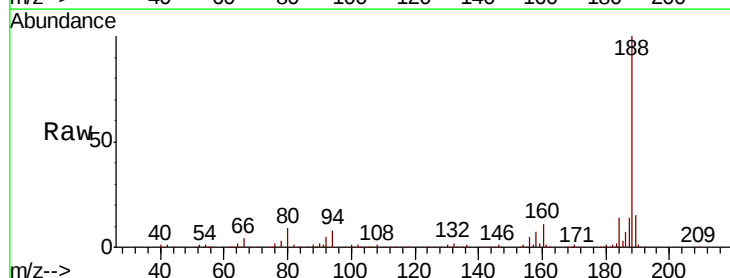


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

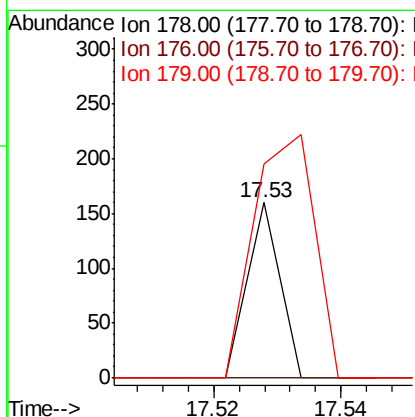
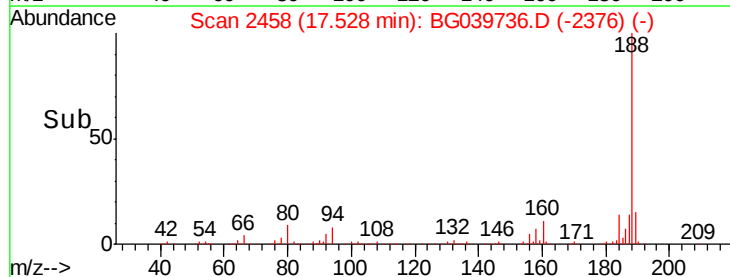


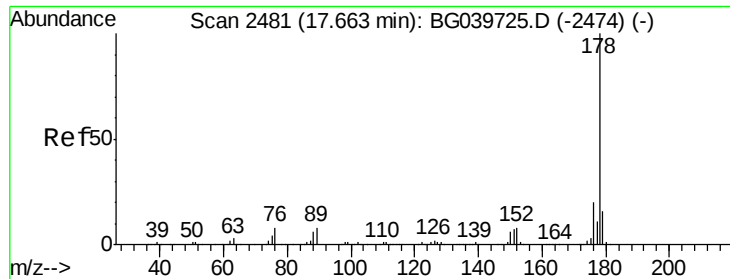
#71
 Phenanthrene
 Concen: 0.004 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.05 min
 Lab File: BG039736.D
 Acq: 4 Mar 2019 18:11

Tgt Ion:178 Resp: 56
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.2 24.4#
 179 121.9 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 0.004 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.14 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

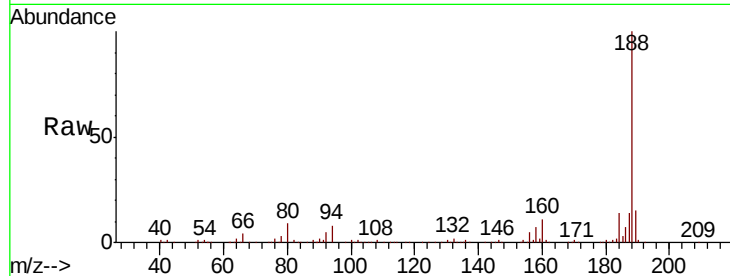
Tgt Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

179 121.9 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

300

250

200

150

100

50

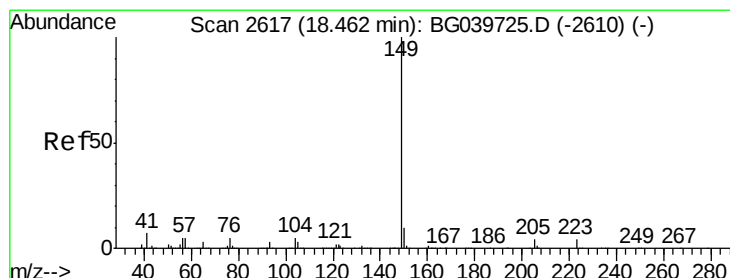
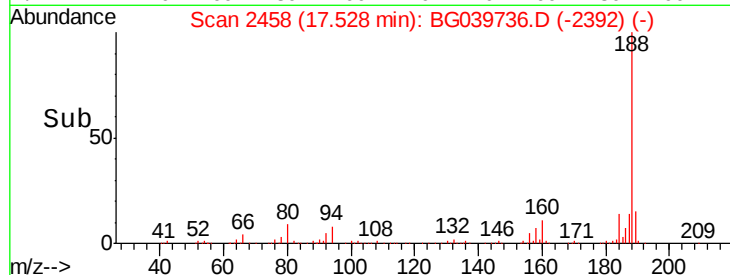
0

17.52

17.53

17.54

Time-->



#74

Di-n-butylphthalate

Concen: 0.004 ng

RT: 18.47 min Scan# 2618

Delta R.T. -0.00 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

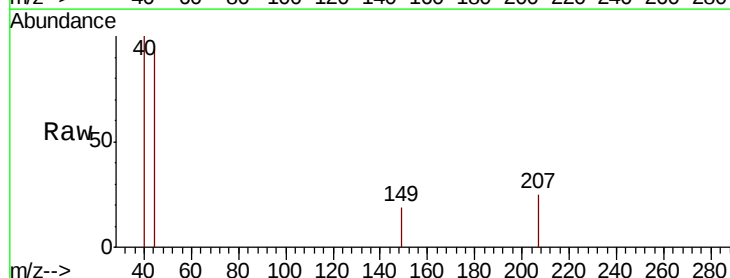
Tgt Ion:149 Resp: 69

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

250

200

150

100

50

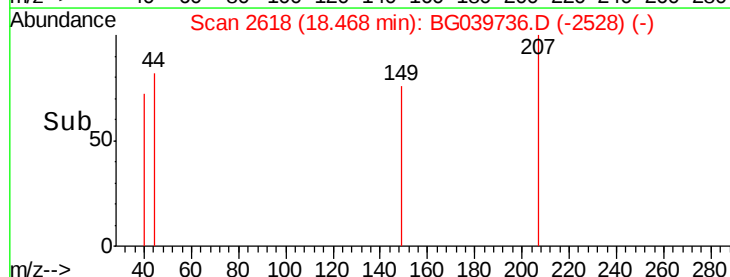
0

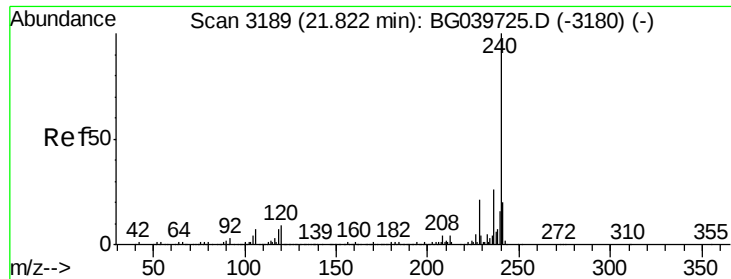
18.46

18.47

18.48

Time-->

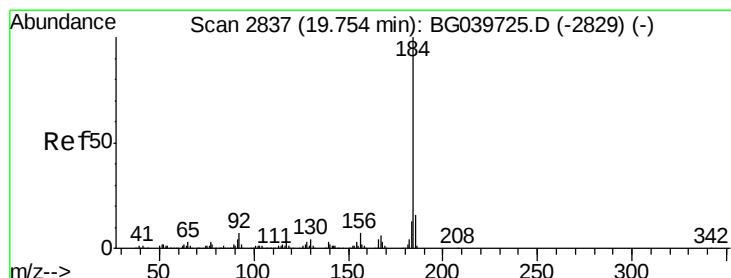
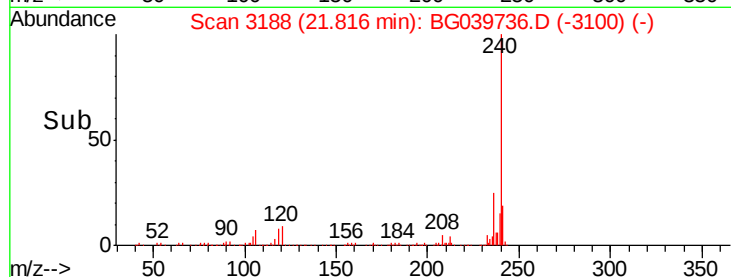
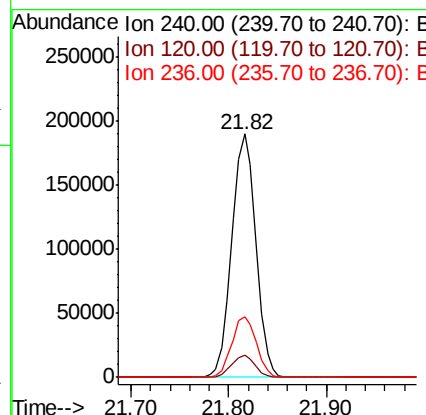
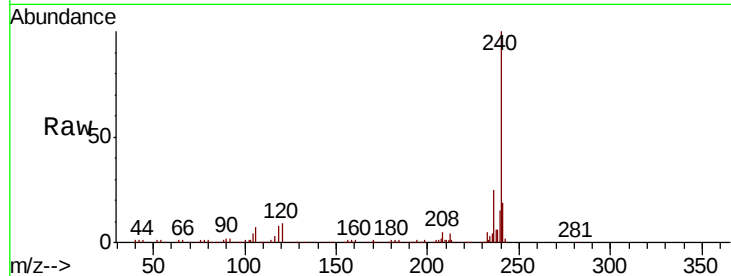




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

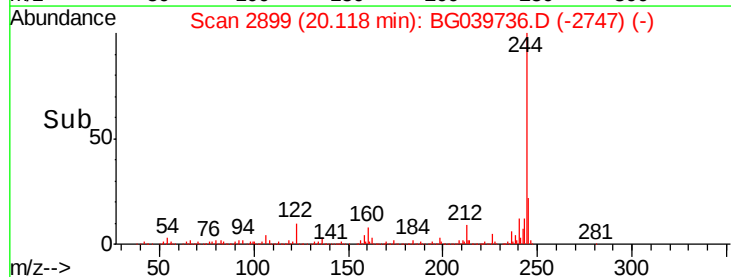
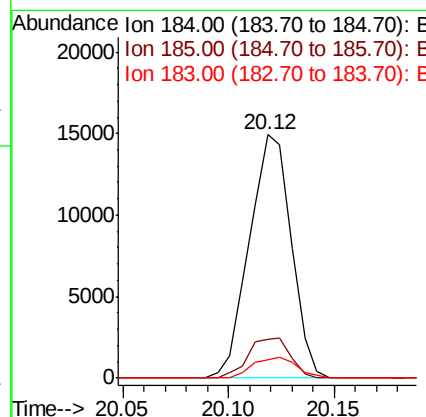
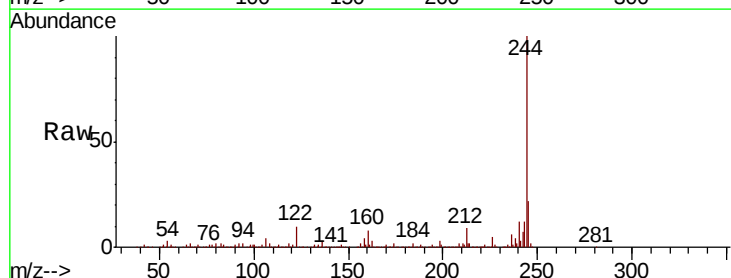
Instrument :
BNA_G
ClientSampleId :
PB117567BL

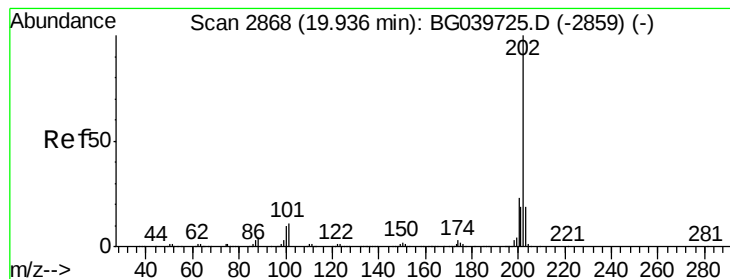
Tgt Ion:240 Resp: 325209
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 24.9 21.0 31.4



#77
Benzidine
Concen: 1.992 ng
RT: 20.12 min Scan# 2899
Delta R.T. 0.36 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Tgt Ion:184 Resp: 20558
Ion Ratio Lower Upper
184 100
185 16.2 12.2 18.2
183 7.6 10.6 15.8#





#78

Pyrene

Concen: 0.234 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.18 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

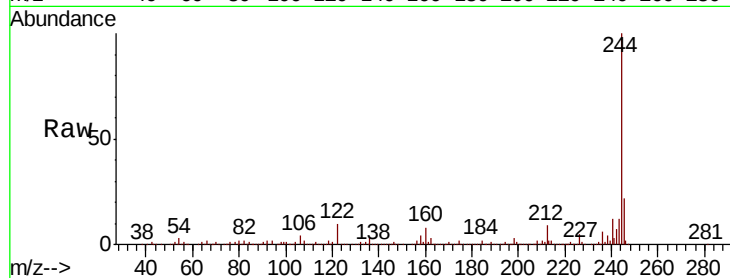
Tgt Ion:202 Resp: 4939

Ion Ratio Lower Upper

202 100

200 43.3 17.8 26.8#

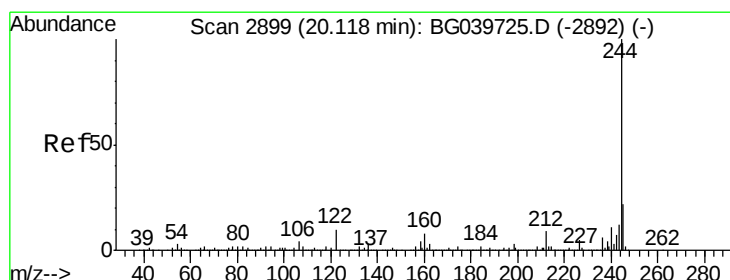
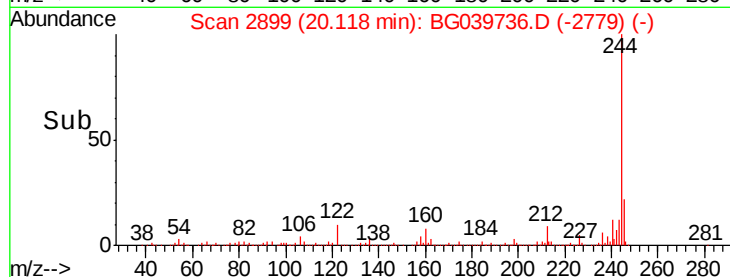
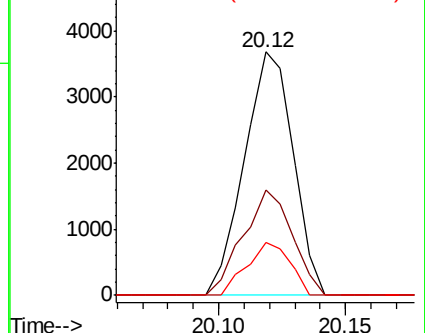
203 21.6 15.3 22.9



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: 81.682 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

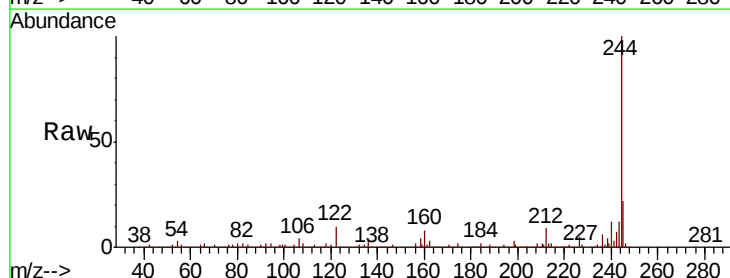
Tgt Ion:244 Resp: 1206457

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

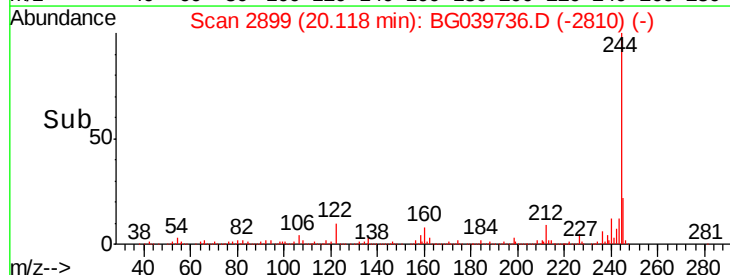
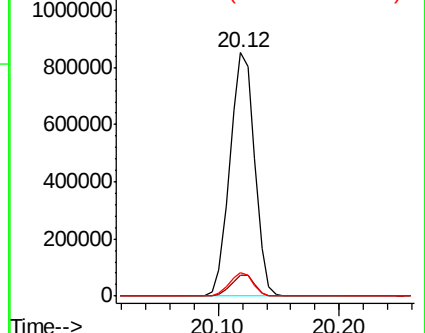
122 9.8 8.4 12.6

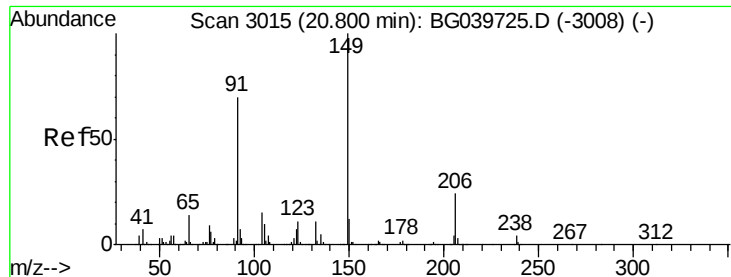


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

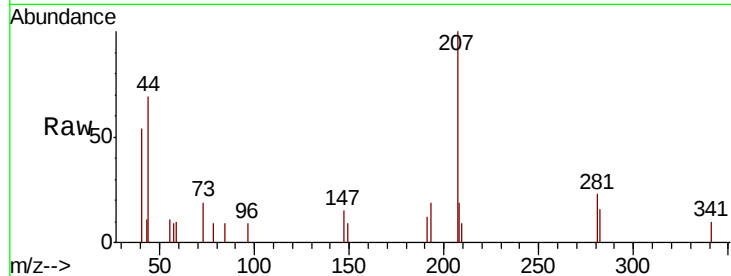




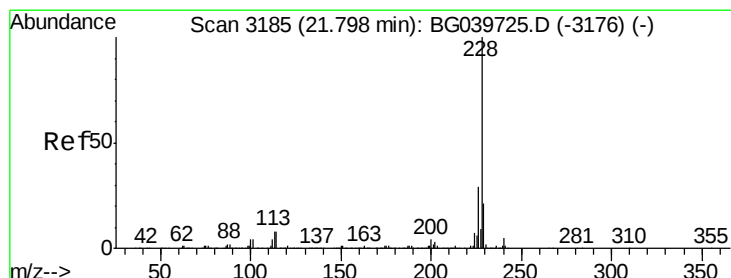
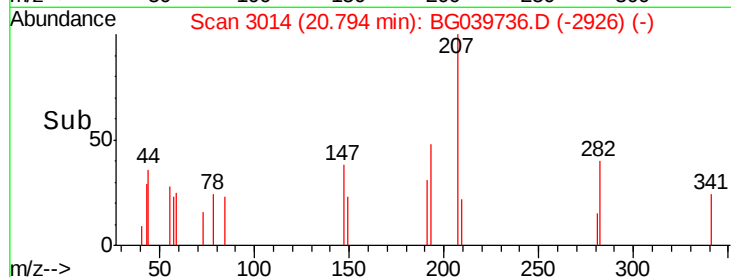
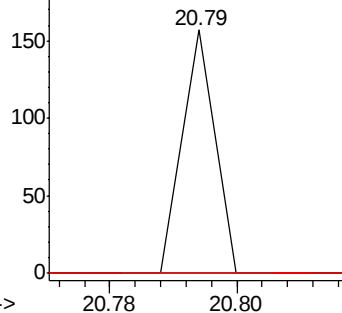
#80
Butylbenzylphthalate
Concen: 0.007 ng
RT: 20.79 min Scan# 3014
Delta R.T. -0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Instrument :
BNA_G
ClientSampleId :
PB117567BL

Tgt Ion:149 Resp: 55
Ion Ratio Lower Upper
149 100
91 0.0 59.5 89.3#
206 0.0 18.6 27.8#

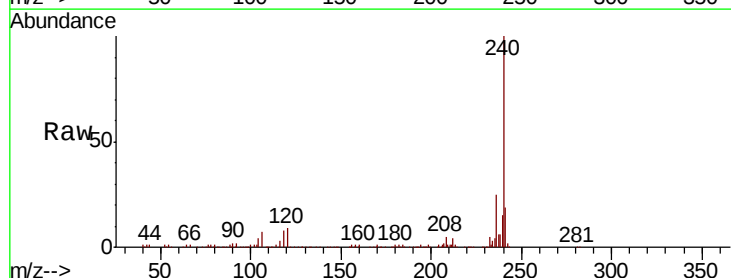


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

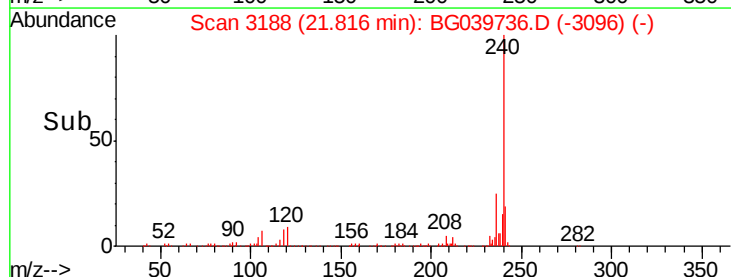
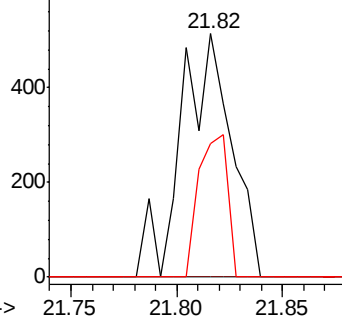


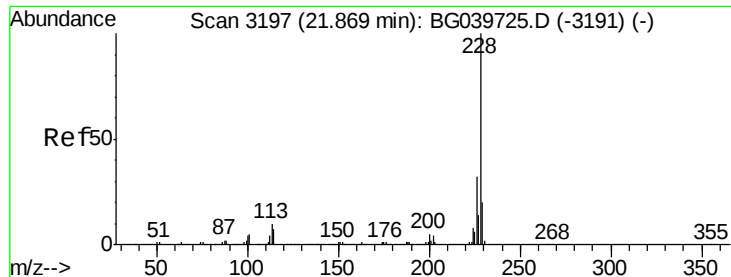
#81
Benzo(a)anthracene
Concen: 0.042 ng
RT: 21.82 min Scan# 3188
Delta R.T. 0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Tgt Ion:228 Resp: 855
Ion Ratio Lower Upper
228 100
226 0.0 23.0 34.6#
229 54.9 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





#83

Chrysene

Concen: 0.043 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.06 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL

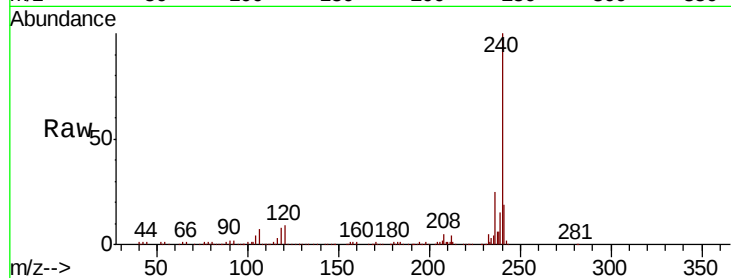
Tgt Ion:228 Resp: 855

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

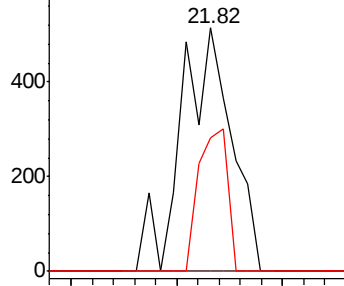
229 54.9 16.6 25.0#



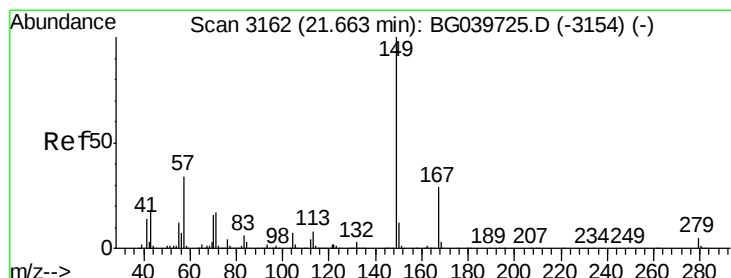
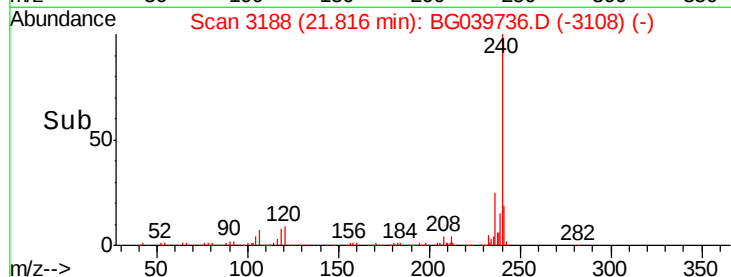
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.75 21.80 21.85



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.010 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG039736.D

Acq: 4 Mar 2019 18:11

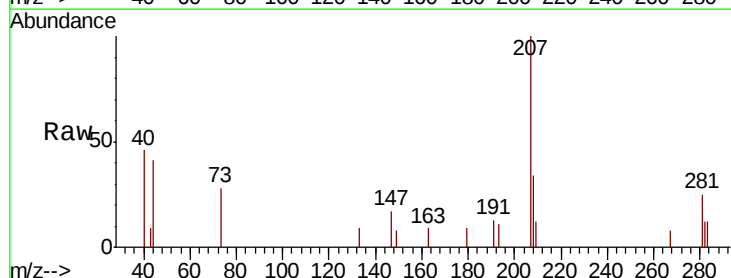
Tgt Ion:149 Resp: 110

Ion Ratio Lower Upper

149 100

167 0.0 22.6 34.0#

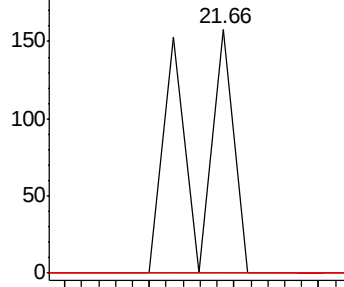
279 0.0 3.5 5.3#



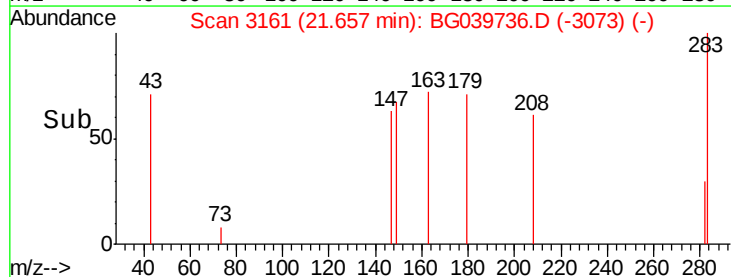
Abundance Ion 149.00 (148.70 to 149.70): E

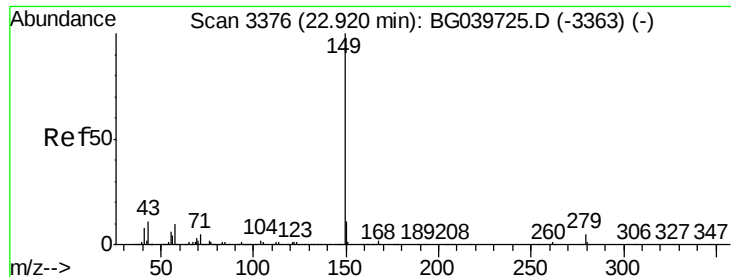
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.62 21.64 21.66 21.68

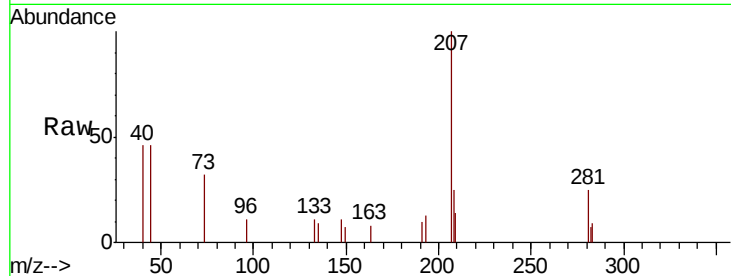




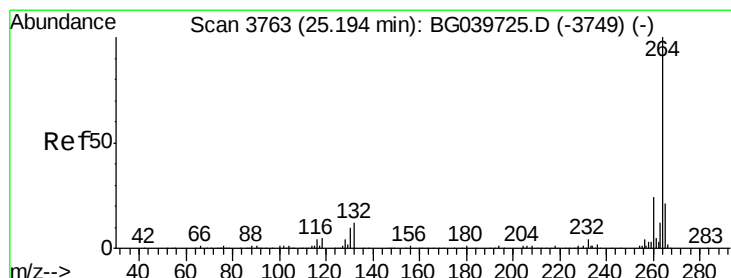
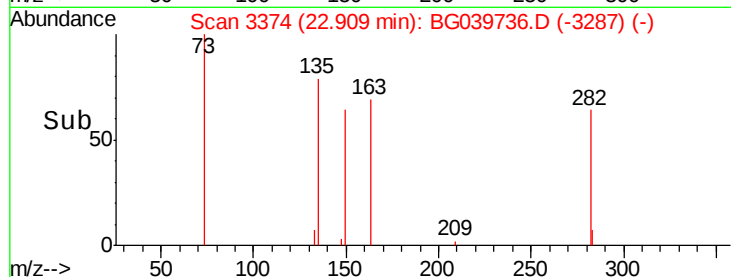
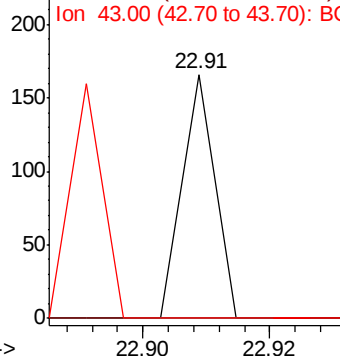
#85
Di-n-octyl phthalate
Concen: 0.003 ng
RT: 22.91 min Scan# 3374
Delta R.T. -0.02 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Instrument :
BNA_G
ClientSampleId :
PB117567BL

Tgt Ion:149 Resp: 59
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 10.2 15.4#

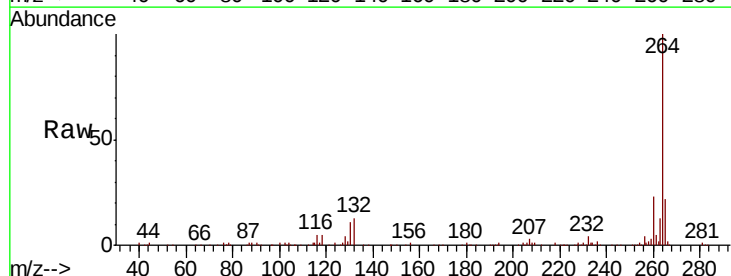


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

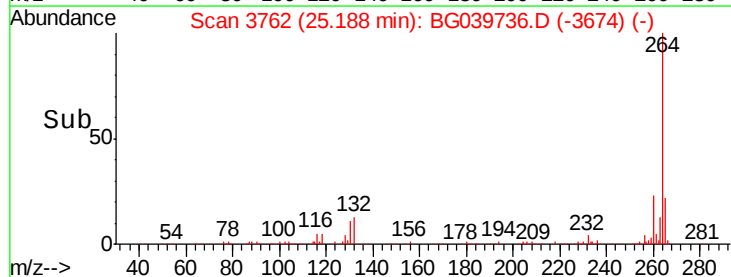
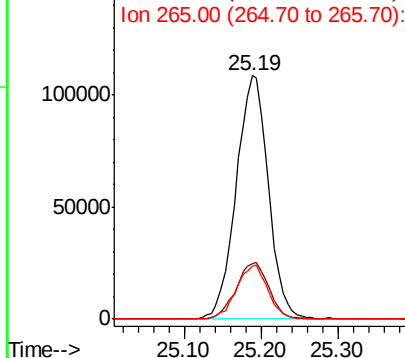


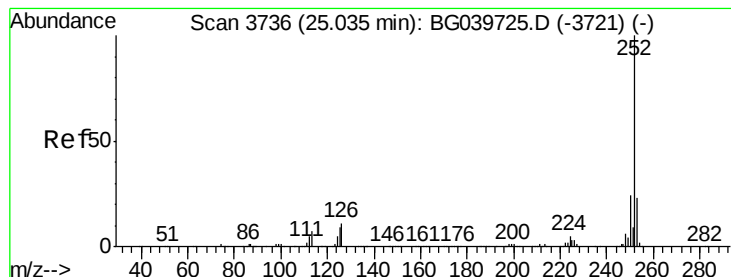
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.19 min Scan# 3762
Delta R.T. -0.01 min
Lab File: BG039736.D
Acq: 4 Mar 2019 18:11

Tgt Ion:264 Resp: 317542
Ion Ratio Lower Upper
264 100
260 23.0 18.2 27.4
265 21.6 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: 0.056 ng

RT: 25.19 min Scan# 3762

Delta R.T. 0.15 min

Lab File: BG039736.D

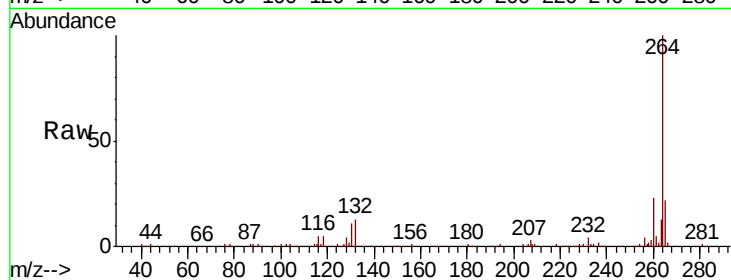
Acq: 4 Mar 2019 18:11

Instrument :

BNA_G

ClientSampleId :

PB117567BL



Tgt Ion:	252	Resp:	983
Ion	Ratio	Lower	Upper
252	100		
253	39.1	17.9	26.9#
125	0.0	8.3	12.5#

