

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG030519\
 Data File : BG039775.D
 Acq On : 5 Mar 2019 22:04
 Operator : JU/SJ
 Sample : K1715-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

Quant Time: Mar 06 00:45:05 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	47261	20.00	ng	-0.01
21) Naphthalene-d8	10.98	136	206846	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	149260	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	372974	20.00	ng	0.00
76) Chrysene-d12	21.82	240	375521	20.00	ng	-0.01
87) Perylene-d12	25.18	264	376617	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	184522	66.61	ng	0.00
7) Phenol-d6	7.30	99	174535	42.25	ng	-0.01
23) Nitrobenzene-d5	9.33	82	378756	99.03	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	261892	150.54	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	949022	90.53	ng	-0.01
79) Terphenyl-d14	20.12	244	1546567	90.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.59	88	57	0.045	ng	# 1
4) n-Nitrosodimethylamine	3.93	42	58	0.036	ng	# 1
6) Aniline	7.32	93	76	0.014	ng	# 1
8) 2-Chlorophenol	7.68	128	67	0.020	ng	# 1
9) Benzaldehyde	7.31	77	310	0.116	ng	# 4
10) Phenol	7.33	94	10478	2.342	ng	90
11) bis(2-Chloroethyl)ether	7.69	93	579	0.166	ng	# 1
12) 1,3-Dichlorobenzene	8.47	146	63	0.017	ng	# 1
13) 1,4-Dichlorobenzene	8.47	146	63	0.016	ng	# 1
14) 1,2-Dichlorobenzene	8.47	146	63	0.017	ng	# 1
15) Benzyl Alcohol	8.48	79	5397	1.647	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	8.71	45	56	0.008	ng	75
19) n-Nitroso-di-n-propylamine	9.33	70	48652	16.364	ng	# 70
24) Nitrobenzene	9.33	77	1505	0.375	ng	# 35
46) 1,1'-Biphenyl	13.61	154	1493	0.122	ng	88
48) 2-Nitroaniline	14.22	65	280	0.094	ng	# 1
49) Acenaphthylene	14.85	152	70	0.005	ng	# 1
50) Dimethylphthalate	14.23	163	28356	2.272	ng	98
51) 2,6-Dinitrotoluene	14.78	165	19021	7.189	ng	# 24
52) Acenaphthene	14.85	154	73	0.008	ng	# 74
55) Dibenzofuran	15.17	168	74	0.005	ng	# 45
57) 2,4-Dinitrotoluene	14.78	165	19021	5.116	ng	# 19
58) Fluorene	16.27	166	11553	0.982	ng	# 79
60) Diethylphthalate	15.58	149	725	0.059	ng	# 68
63) Azobenzene	16.13	77	283	0.025	ng	# 47
65) 4,6-Dinitro-2-methylphenol	16.27	198	973	0.441	ng	# 1
66) n-Nitrosodiphenylamine	16.27	169	10926	1.012	ng	# 50
67) 4-Bromophenyl-phenylether	16.27	248	21249	5.090	ng	# 1
69) Atrazine	17.43	200	67	0.016	ng	# 35
71) Phenanthrene	17.57	178	690	0.034	ng	# 59
72) Anthracene	17.67	178	376	0.019	ng	# 60
73) Carbazole	17.93	167	131	0.007	ng	# 57
74) Di-n-butylphthalate	18.46	149	5785	0.272	ng	# 95
75) Fluoranthene	19.57	202	994	0.041	ng	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

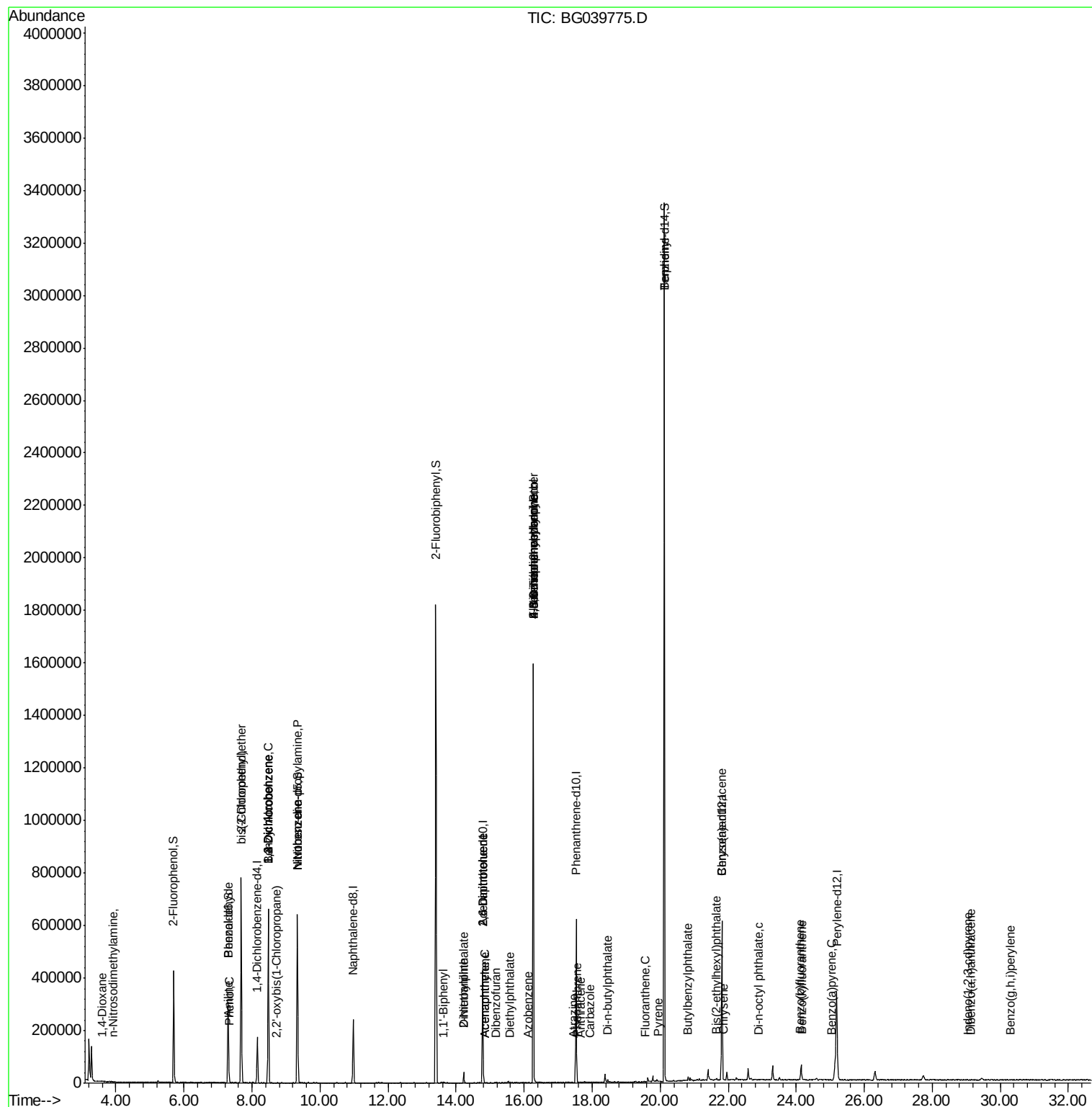
77) Benzidine	20.12	184	28475	2.390	ng	# 89
78) Pyrene	19.93	202	1452	0.060	ng	# 55
80) Butylbenzylphthalate	20.80	149	983	0.104	ng	# 68
81) Benzo(a)anthracene	21.81	228	2115	0.090	ng	# 55
83) Chrysene	21.87	228	791	0.035	ng	# 80
84) Bis(2-ethylhexyl)phthalate	21.66	149	1611	0.121	ng	# 85
85) Di-n-octyl phthalate	22.91	149	719	0.033	ng	# 71
86) Indeno(1,2,3-cd)pyrene	29.05	276	325	0.013	ng	# 54
88) Benzo(b)fluoranthene	24.11	252	1152	0.051	ng	# 81
89) Benzo(k)fluoranthene	24.18	252	634	0.030	ng	# 59
90) Benzo(a)pyrene	25.02	252	427	0.021	ng	# 67
91) Dibenzo(a,h)anthracene	29.12	278	131	0.006	ng	# 56
92) Benzo(g,h,i)perylene	30.29	276	133	0.007	ng	# 54

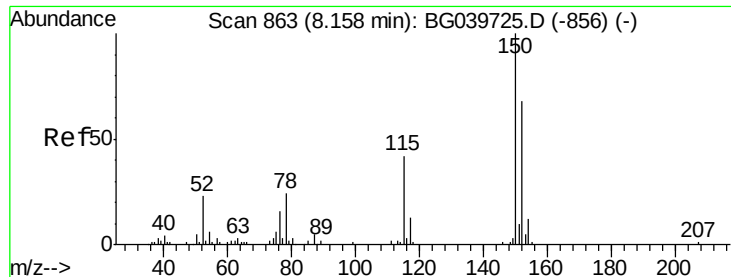
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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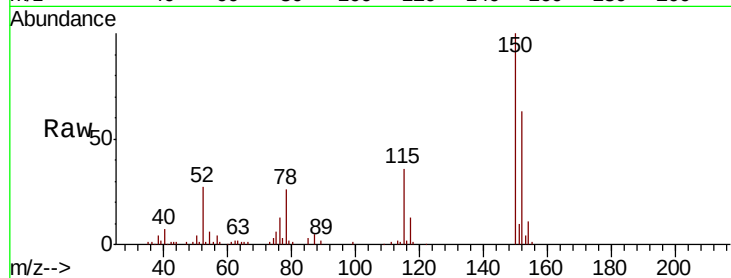


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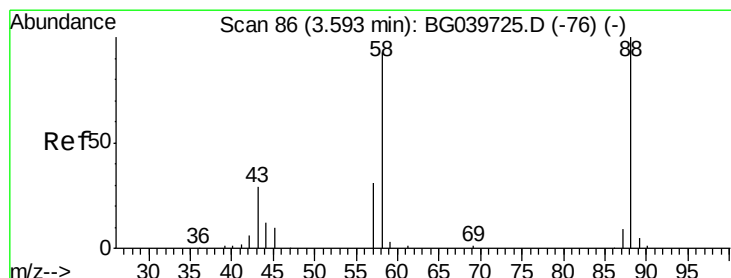
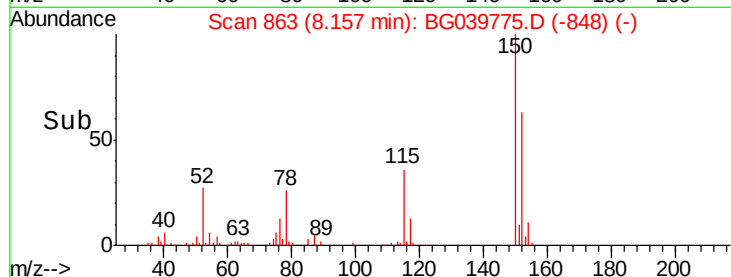
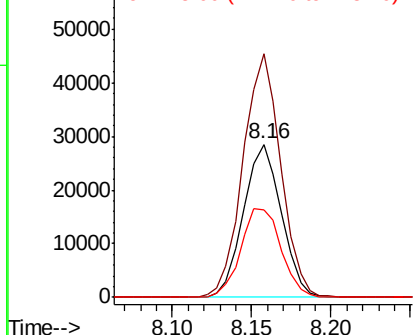
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Instrument :
BNA_G
ClientSampleId :
TP-4-B

Tgt Ion:152 Resp: 47261
Ion Ratio Lower Upper
152 100
150 158.9 123.7 185.5
115 57.4 45.9 68.9



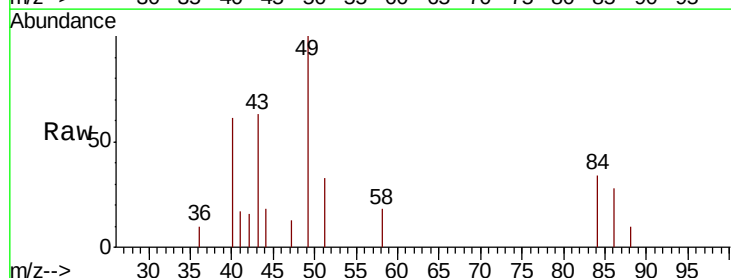
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



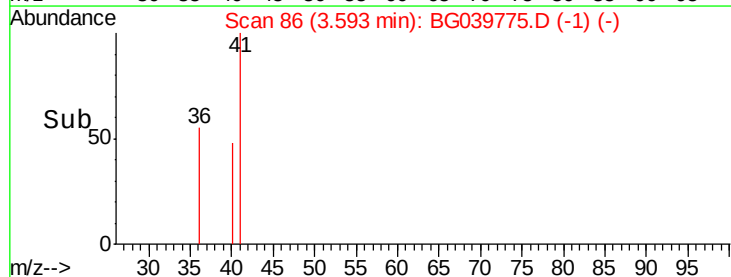
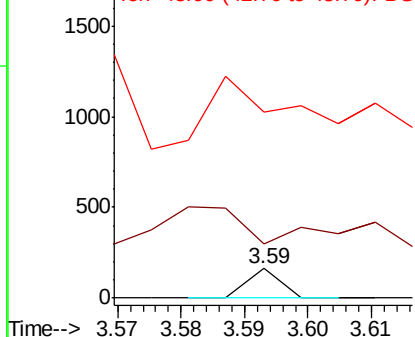
#2

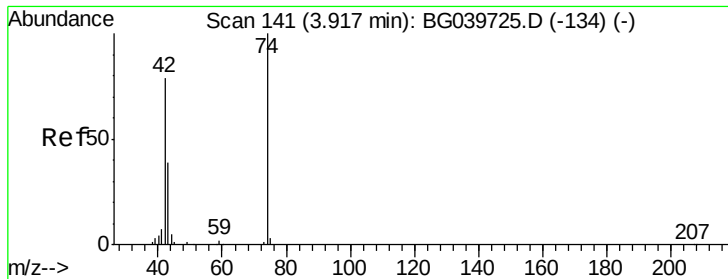
1,4-Dioxane
Concen: 0.045 ng
RT: 3.59 min Scan# 86
Delta R.T. -0.01 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
58 382.5 81.1 121.7#
43 0.0 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



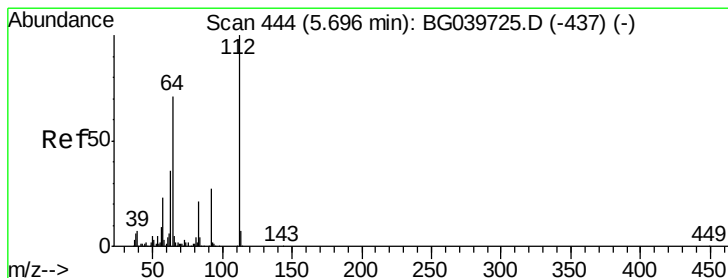
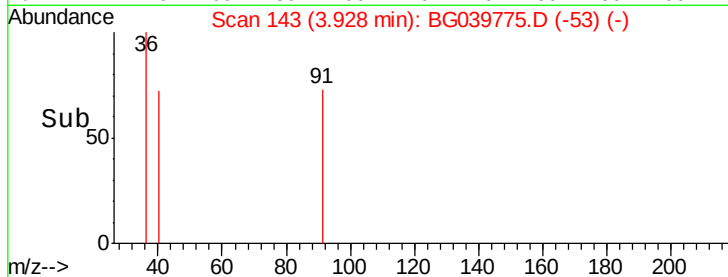
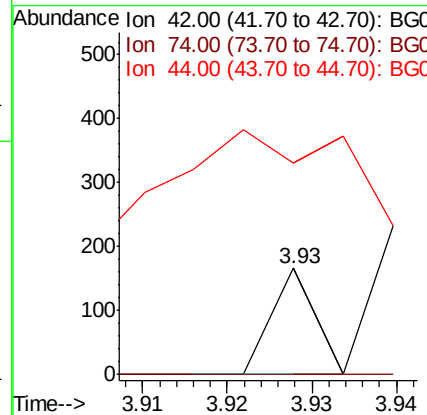
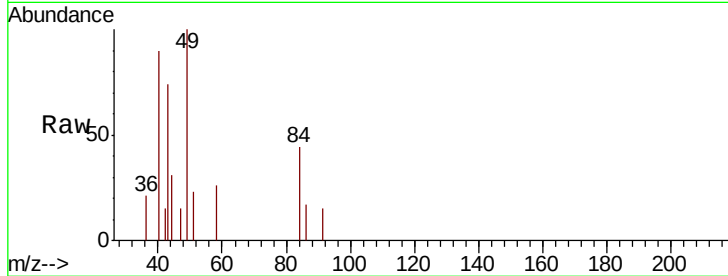


#4

n-Nitrosodimethylamine
 Concen: 0.036 ng
 RT: 3.93 min Scan# 143
 Delta R.T. -0.00 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

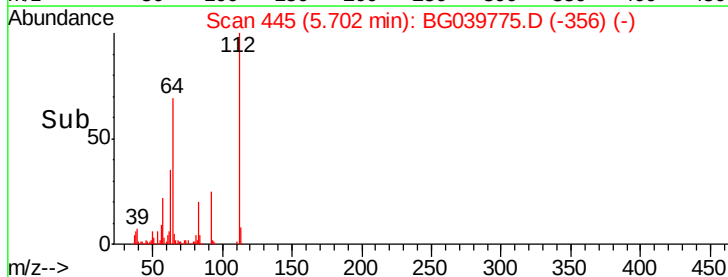
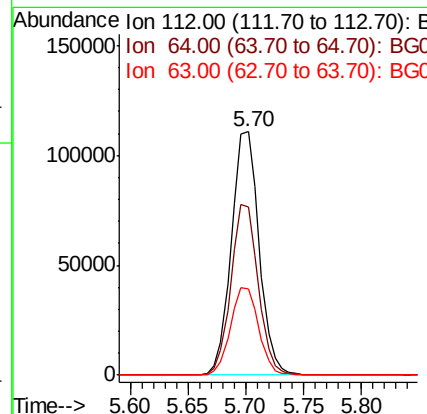
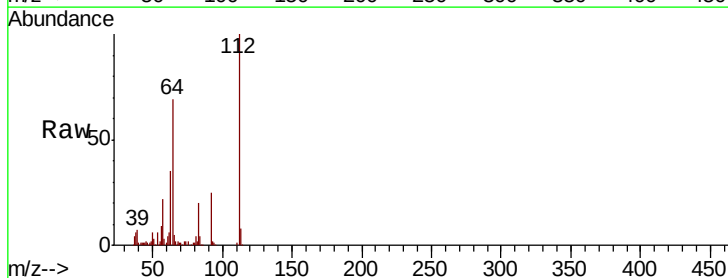
Tgt Ion: 42 Resp: 58
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.6 125.4#
 44 200.6 6.9 10.3#

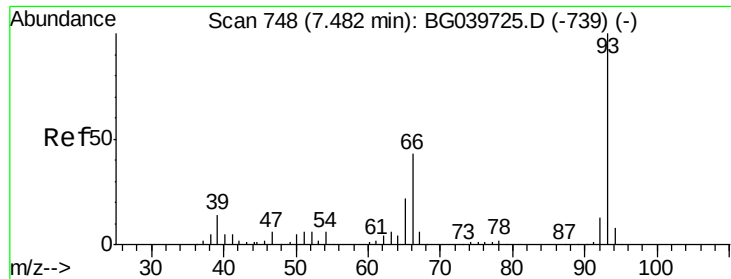


#5

2-Fluorophenol
 Concen: 66.608 ng
 RT: 5.70 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion: 112 Resp: 184522
 Ion Ratio Lower Upper
 112 100
 64 69.2 57.8 86.8
 63 35.5 29.8 44.6





#6

Aniline

Concen: 0.014 ng

RT: 7.32 min Scan# 721

Delta R.T. -0.17 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

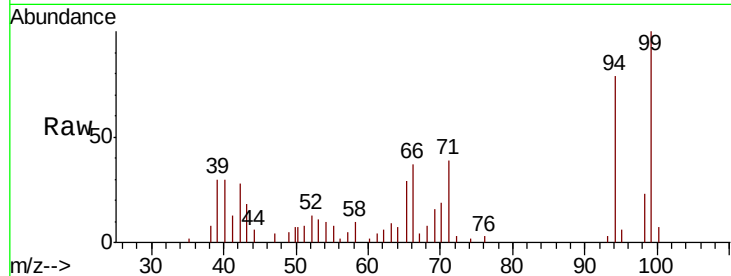
Tgt Ion: 93 Resp: 76

Ion Ratio Lower Upper

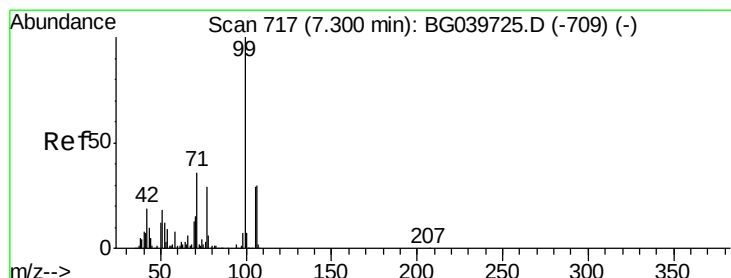
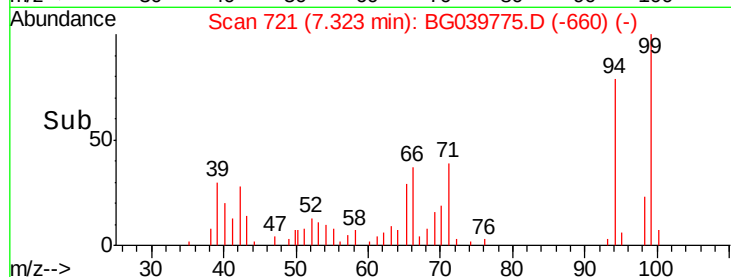
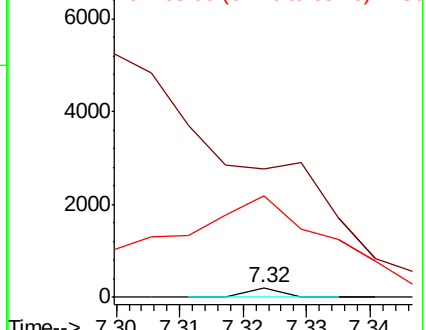
93 100

66 1283.7 34.2 51.4#

65 1012.6 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: 42.254 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

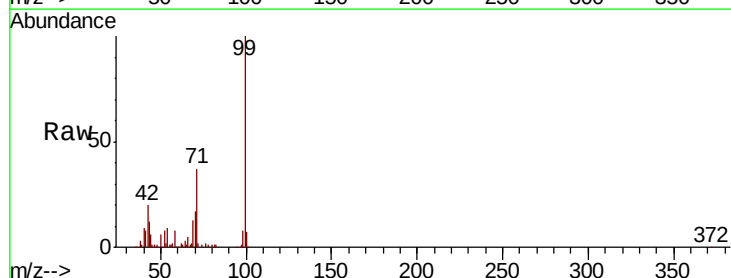
Tgt Ion: 99 Resp: 174535

Ion Ratio Lower Upper

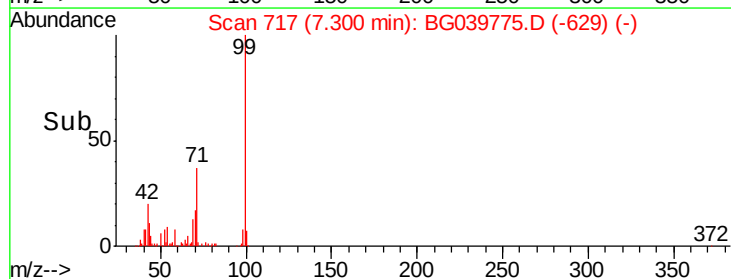
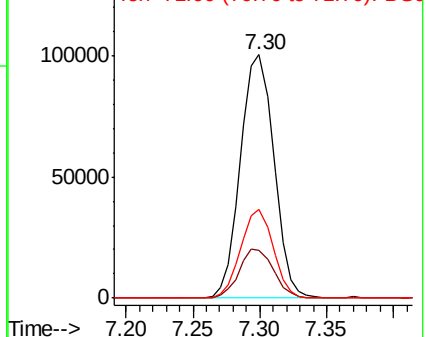
99 100

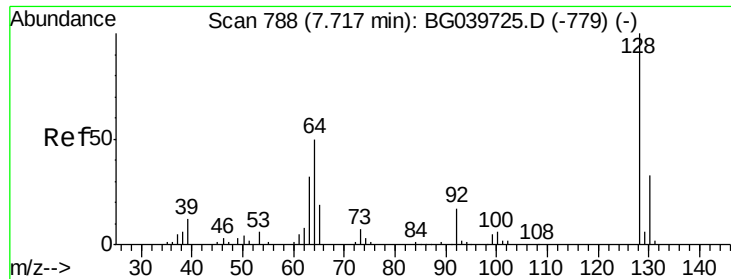
42 19.7 18.2 27.2

71 36.6 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

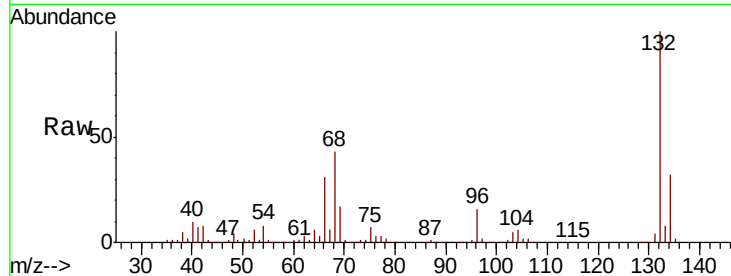




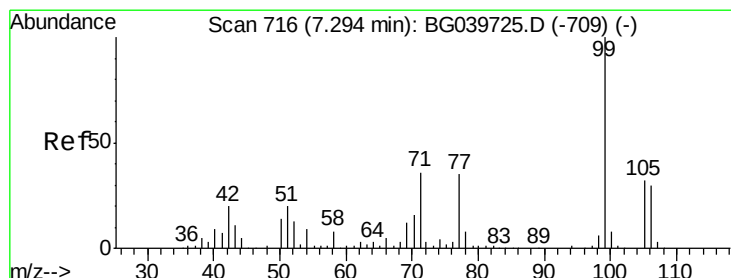
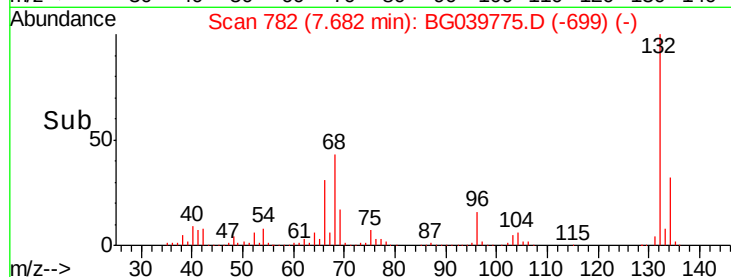
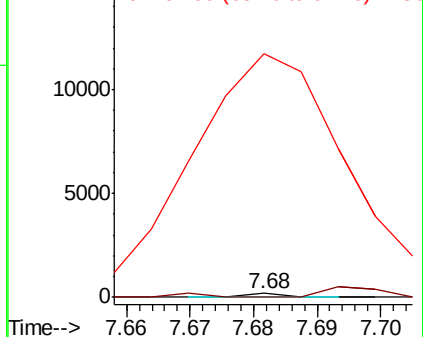
#8
2-Chlorophenol
Concen: 0.020 ng
RT: 7.68 min Scan# 782
Delta R.T. -0.04 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Instrument :
BNA_G
ClientSampled :
TP-4-B

Tgt Ion: 128 Resp: 67
Ion Ratio Lower Upper
128 100
130 0.0 12.9 52.9#
64 6136.6 38.7 78.7#

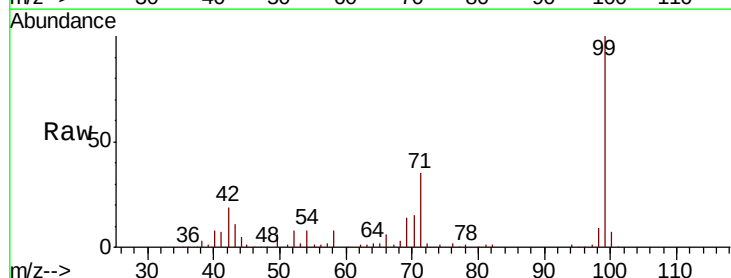


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC

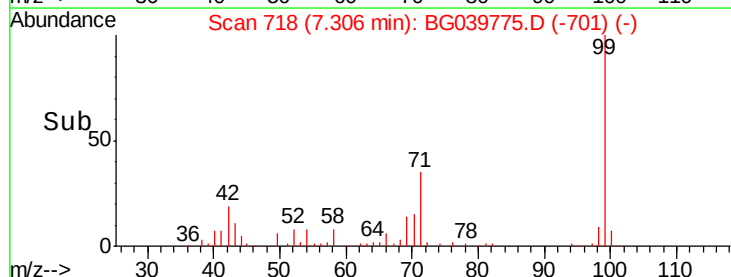
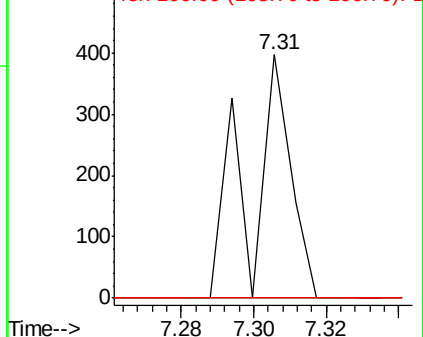


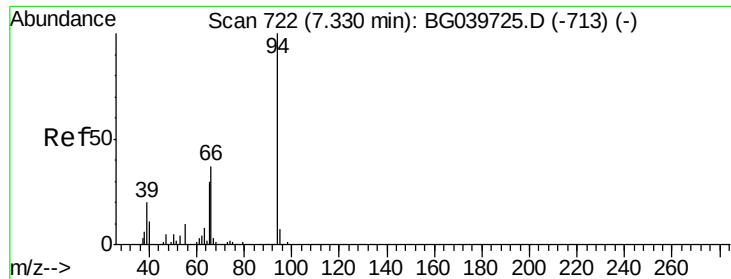
#9
Benzaldehyde
Concen: 0.116 ng
RT: 7.31 min Scan# 718
Delta R.T. -0.00 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Tgt Ion: 77 Resp: 310
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): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.342 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

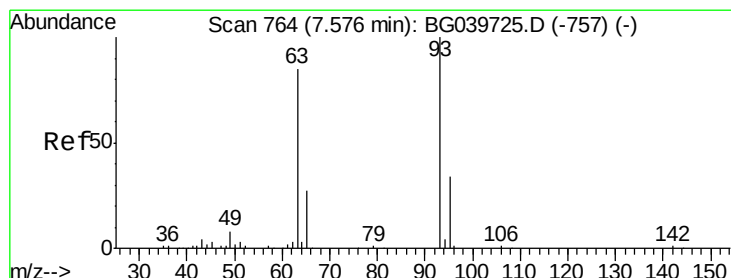
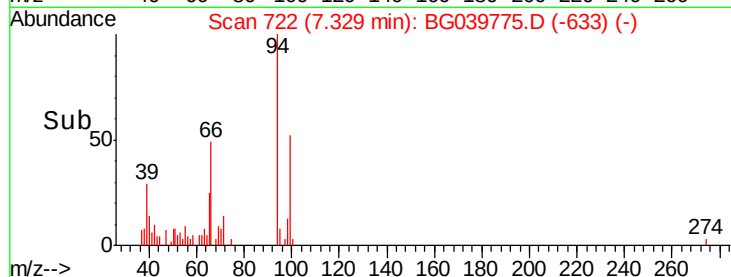
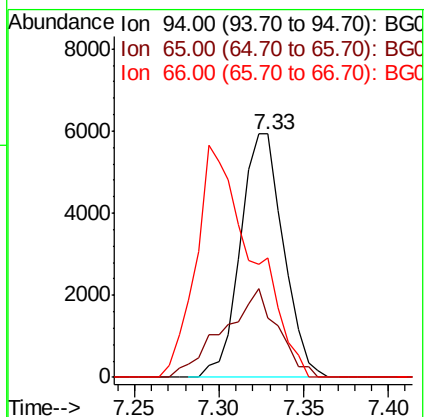
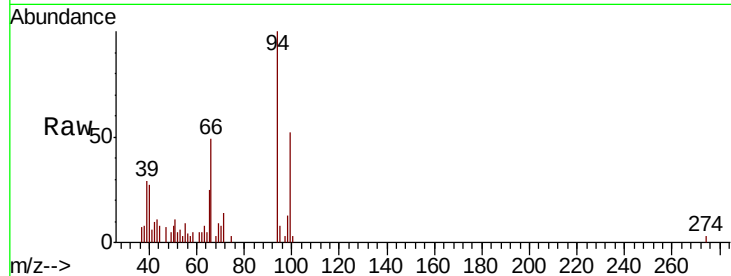
Tgt Ion: 94 Resp: 10478

Ion Ratio Lower Upper

94 100

65 24.6 11.7 51.7

66 49.1 23.7 63.7



#11

bis(2-Chloroethyl)ether

Concen: 0.166 ng

RT: 7.69 min Scan# 784

Delta R.T. 0.11 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

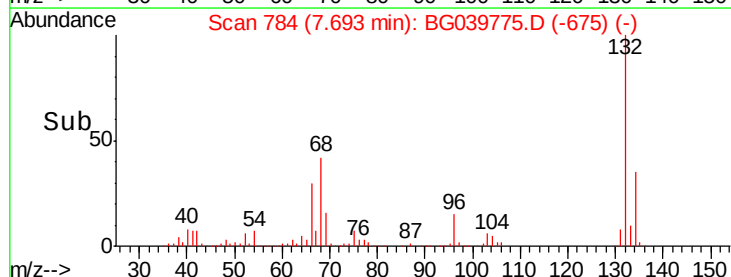
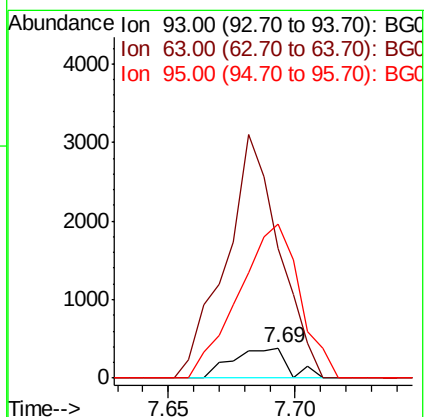
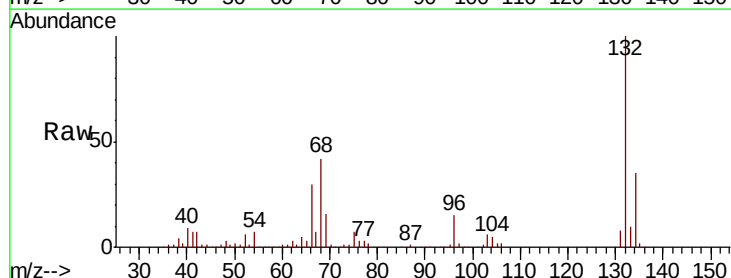
Tgt Ion: 93 Resp: 579

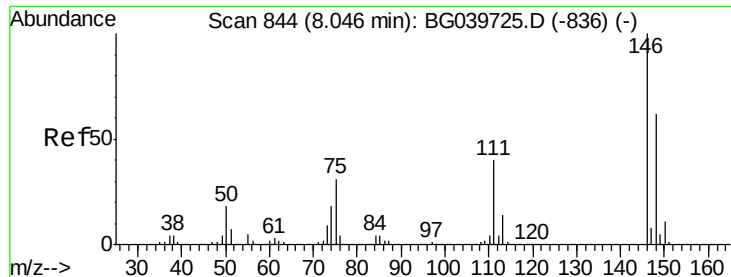
Ion Ratio Lower Upper

93 100

63 432.3 69.5 109.5#

95 516.3 12.7 52.7#





#12

1,3-Dichlorobenzene

Concen: 0.017 ng

RT: 8.47 min Scan# 917

Delta R.T. 0.42 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

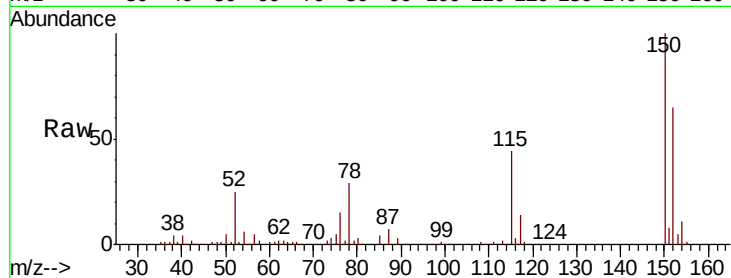
Tgt Ion:146 Resp: 63

Ion Ratio Lower Upper

146 100

148 0.0 52.6 79.0#

75 4409.4 25.8 38.6#

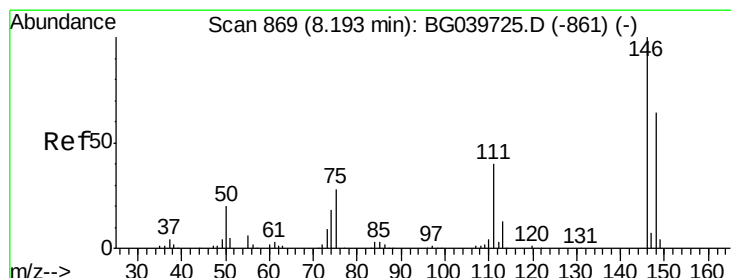
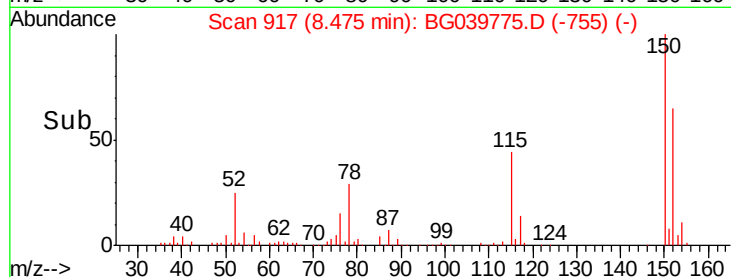
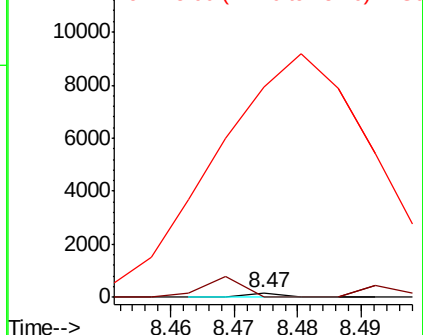


Abundance

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



#13

1,4-Dichlorobenzene

Concen: 0.016 ng

RT: 8.47 min Scan# 917

Delta R.T. 0.27 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

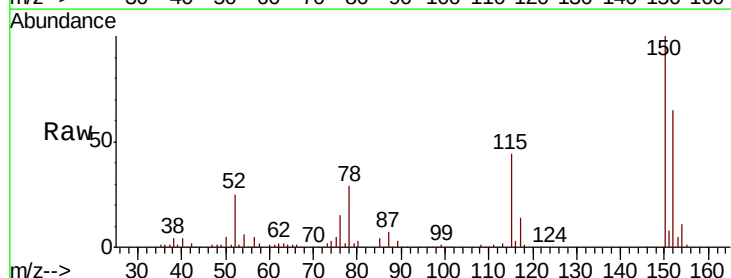
Tgt Ion:146 Resp: 63

Ion Ratio Lower Upper

146 100

148 0.0 51.1 76.7#

111 798.9 32.6 48.8#

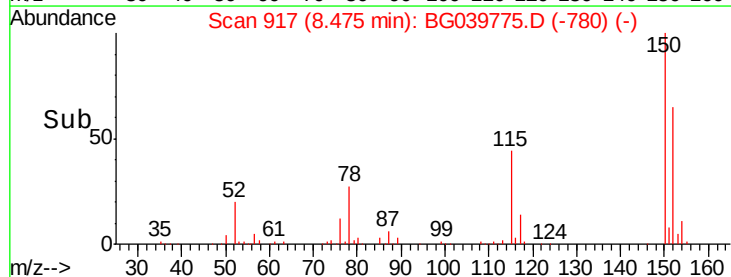
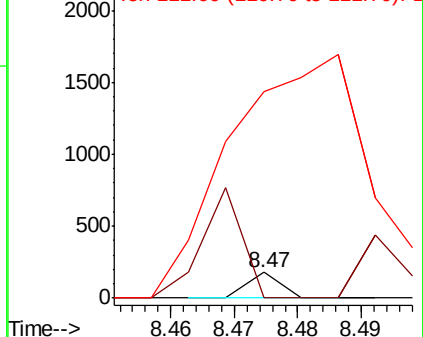


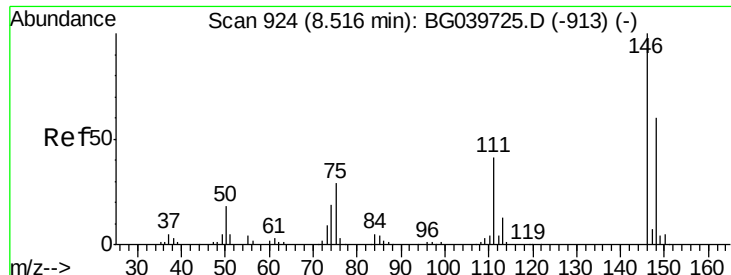
Abundance

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

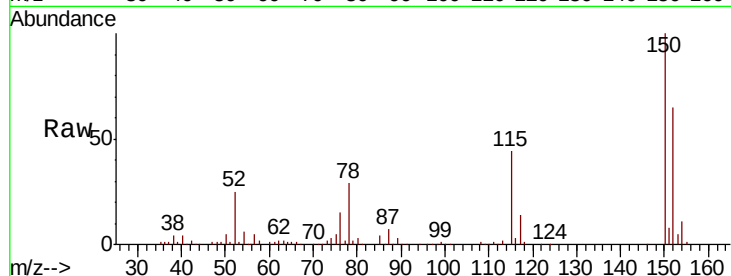




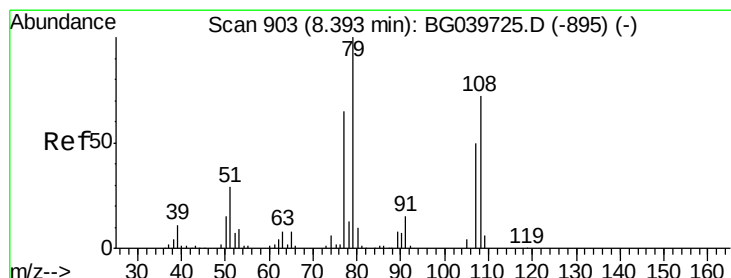
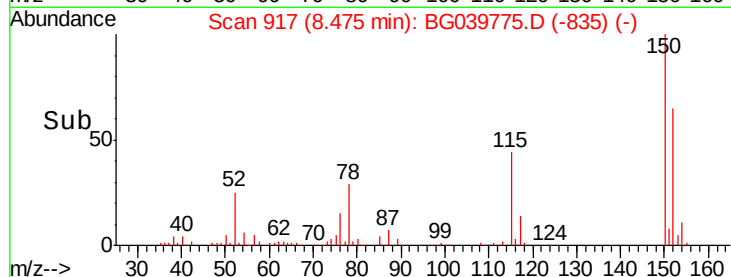
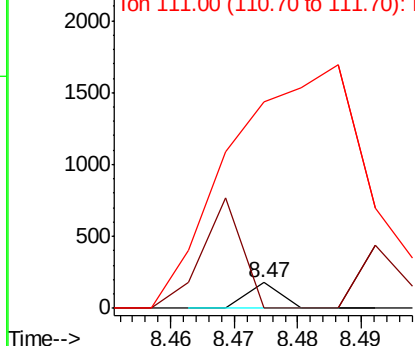
#14
 1,2-Dichlorobenzene
 Concen: 0.017 ng
 RT: 8.47 min Scan# 917
 Delta R.T. -0.05 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

Tgt Ion: 146 Resp: 63
 Ion Ratio Lower Upper
 146 100
 148 0.0 51.5 77.3#
 111 798.9 33.8 50.6#

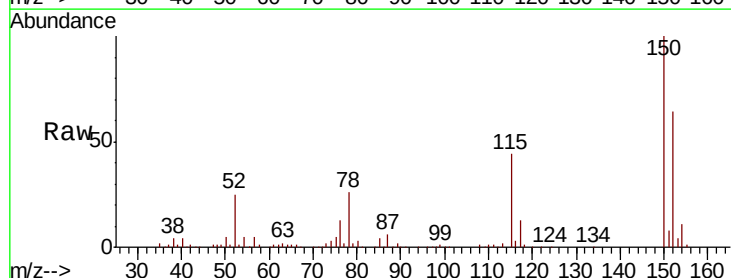


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

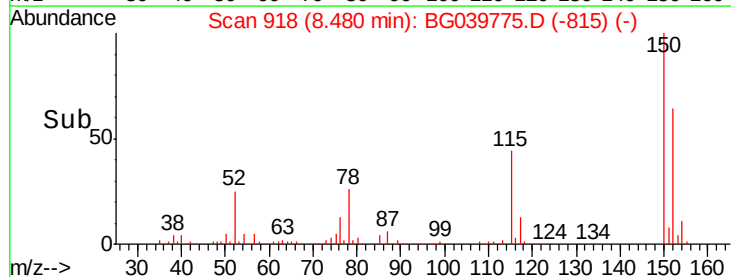
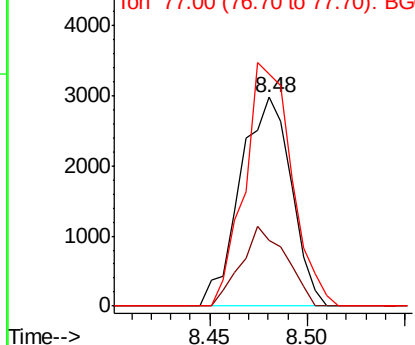


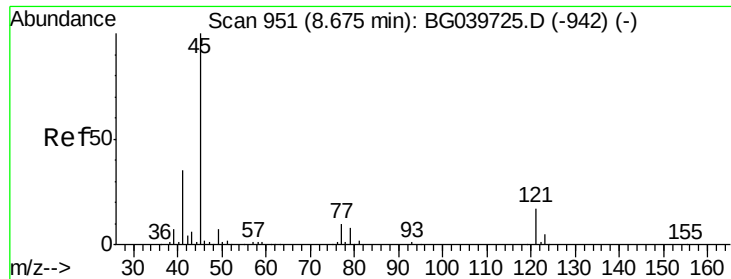
#15
 Benzyl Alcohol
 Concen: 1.647 ng
 RT: 8.48 min Scan# 918
 Delta R.T. 0.08 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion: 79 Resp: 5397
 Ion Ratio Lower Upper
 79 100
 108 31.5 57.8 86.6#
 77 111.4 51.1 76.7#



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

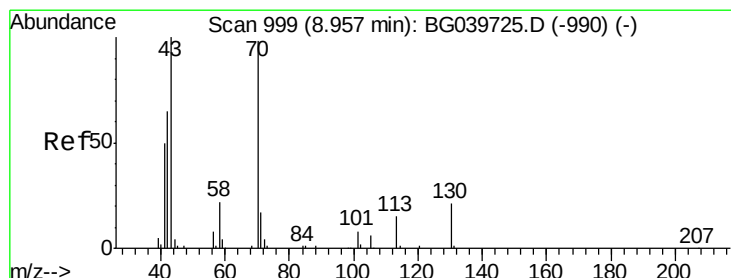
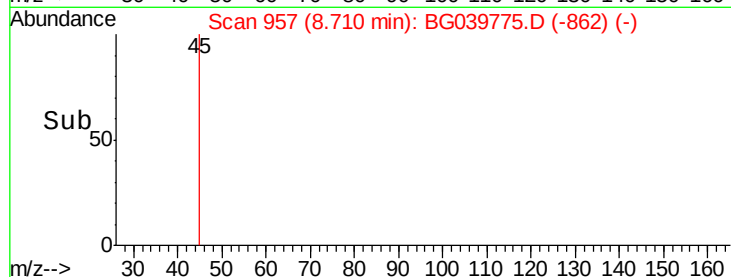
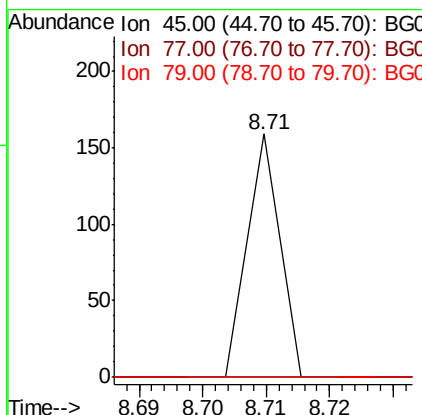
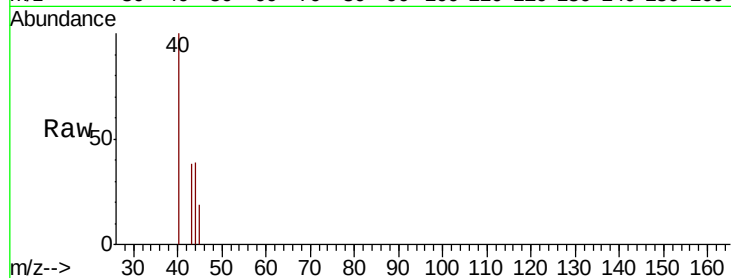




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.008 ng
 RT: 8.71 min Scan# 957
 Delta R.T. 0.03 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

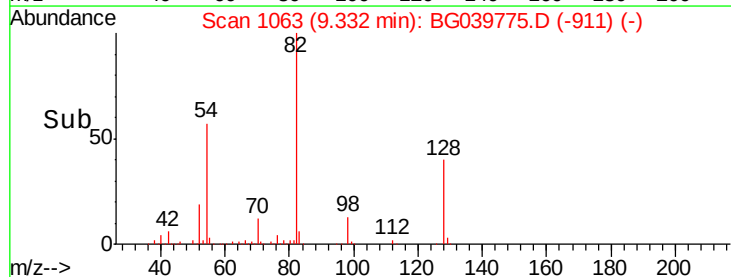
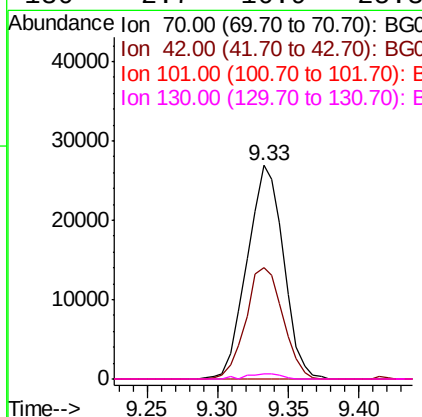
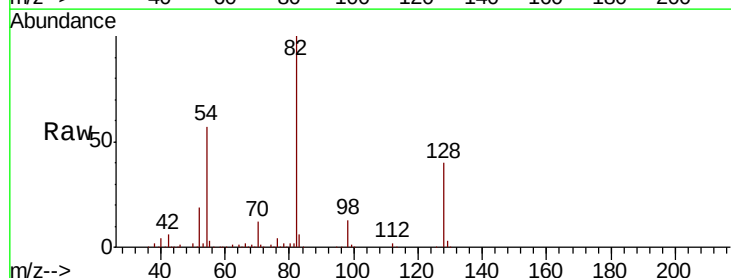
Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

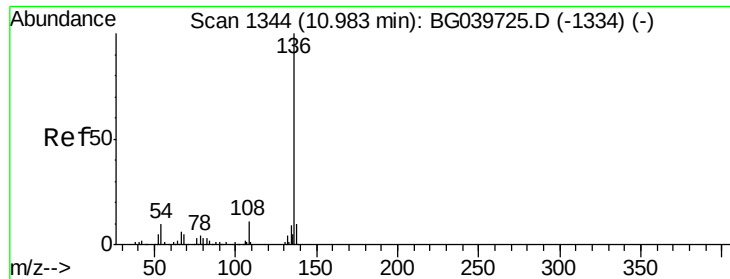
Tgt Ion: 45 Resp: 56
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 30.0
 79 0.0 0.0 27.5



#19
 n-Nitroso-di-n-propylamine
 Concen: 16.364 ng
 RT: 9.33 min Scan# 1063
 Delta R.T. 0.36 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion: 70 Resp: 48652
 Ion Ratio Lower Upper
 70 100
 42 52.1 60.4 90.6#
 101 0.0 7.5 11.3#
 130 2.7 16.9 25.3#

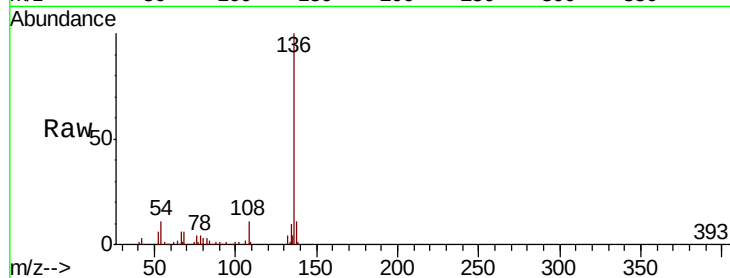




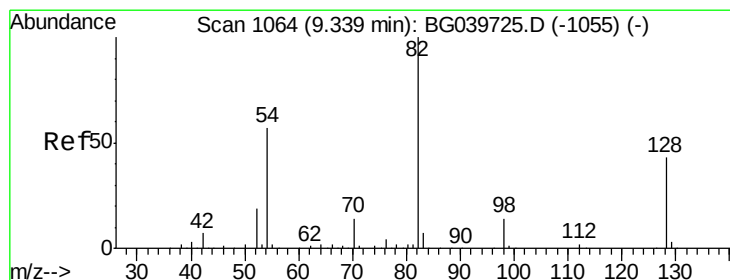
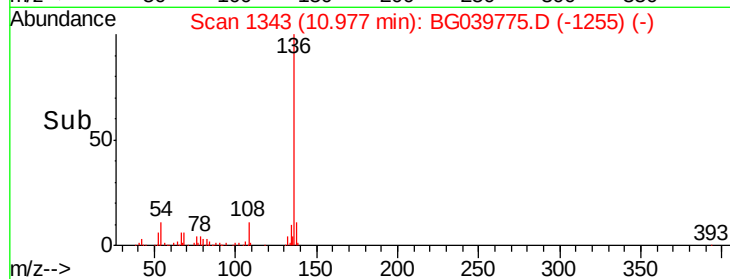
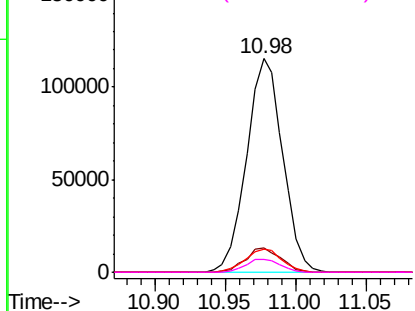
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Instrument :
BNA_G
ClientSampleId :
TP-4-B

Tgt Ion:	136	Resp:	206846
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	10.6	9.4	14.2
68	6.1	4.2	6.4

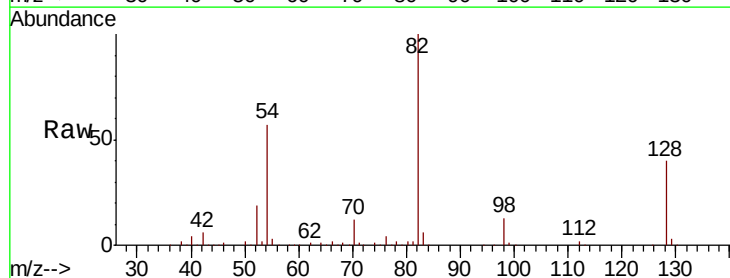


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

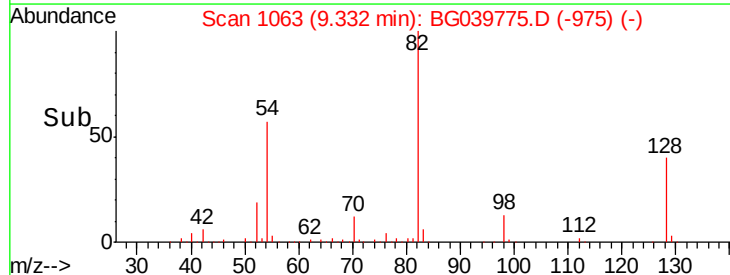
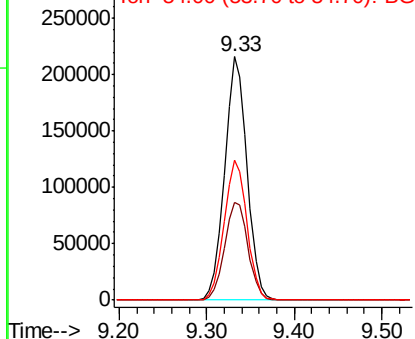


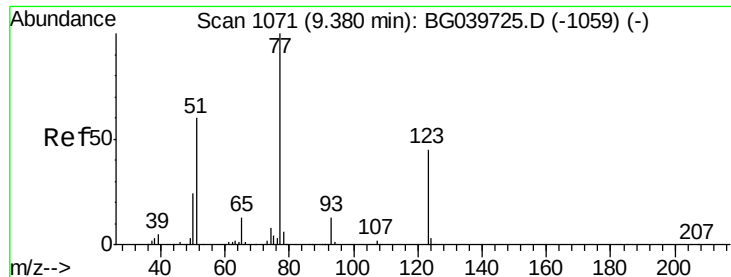
#23
Nitrobenzene-d5
Concen: 99.033 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Tgt Ion:	82	Resp:	378756
Ion	Ratio	Lower	Upper
82	100		
128	40.4	31.3	46.9
54	57.3	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 0.375 ng

RT: 9.33 min Scan# 1063

Delta R.T. -0.05 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampled :

TP-4-B

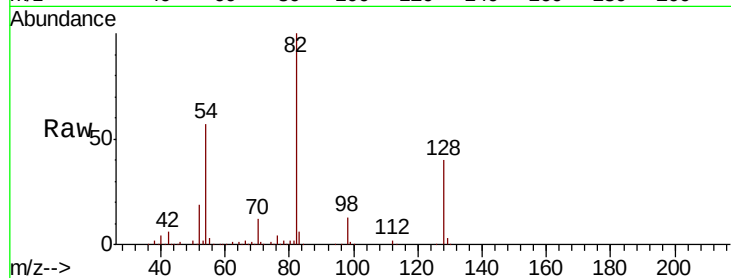
Tgt Ion: 77 Resp: 1505

Ion Ratio Lower Upper

77 100

123 0.0 34.1 51.1#

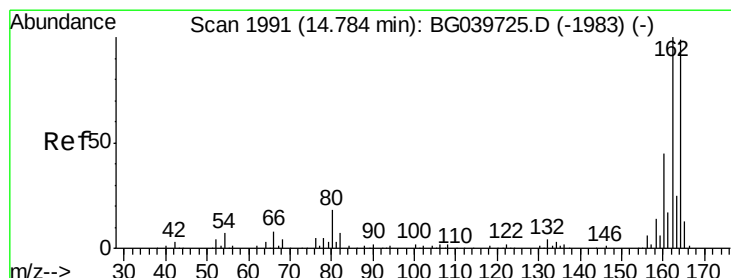
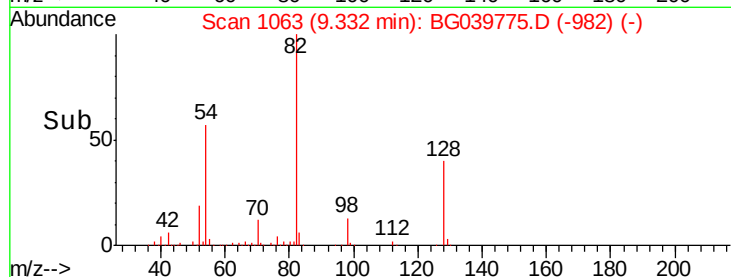
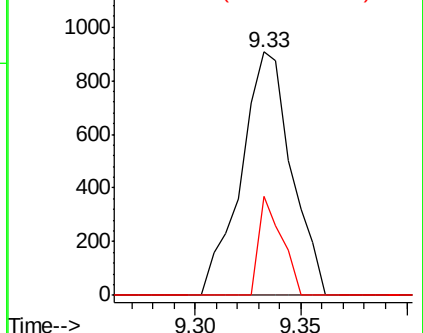
65 40.5 12.3 18.5#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

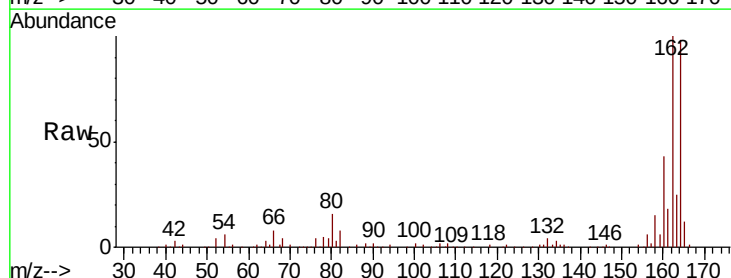
Tgt Ion: 164 Resp: 149260

Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

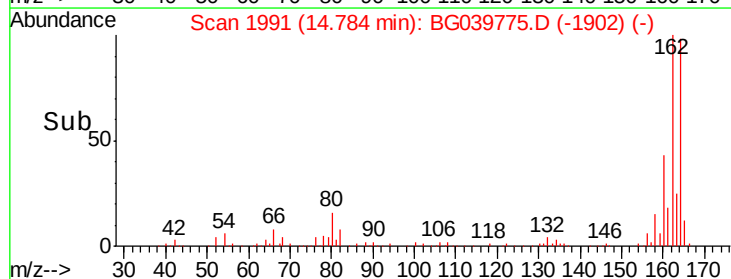
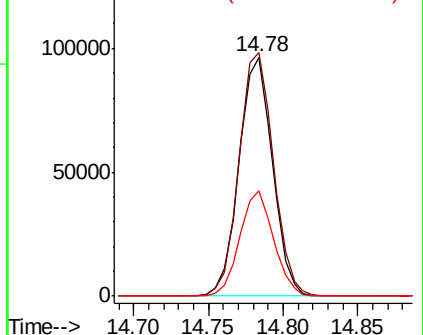
160 44.1 34.2 51.2

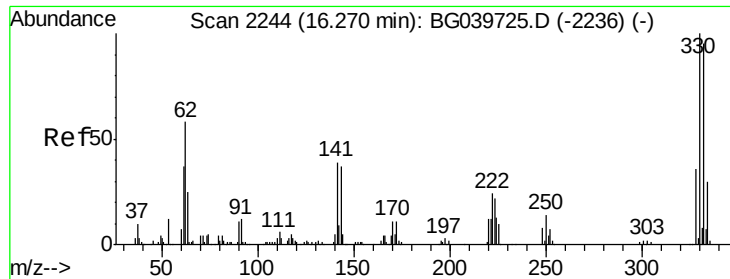


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

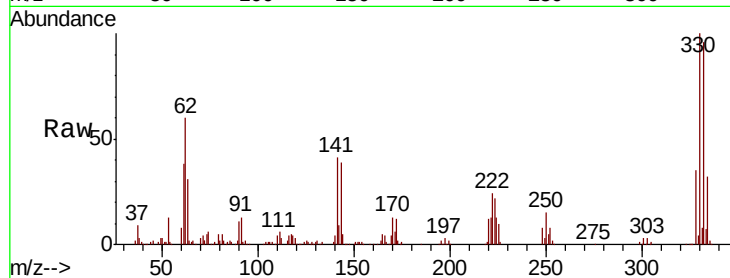




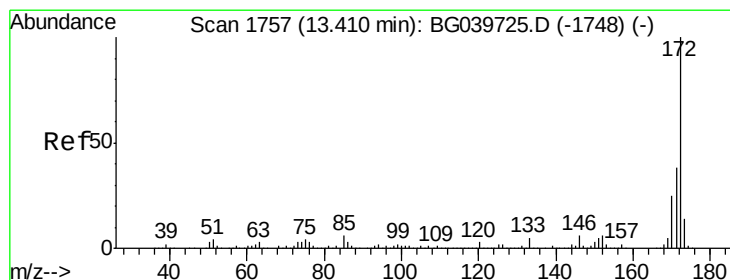
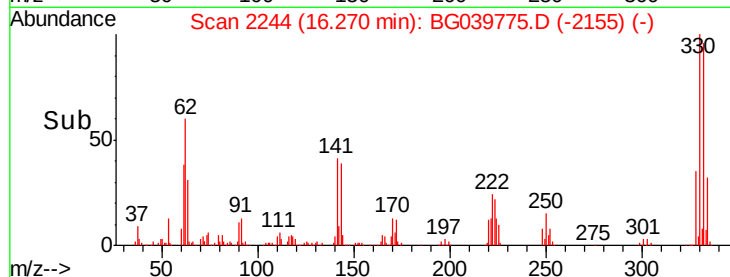
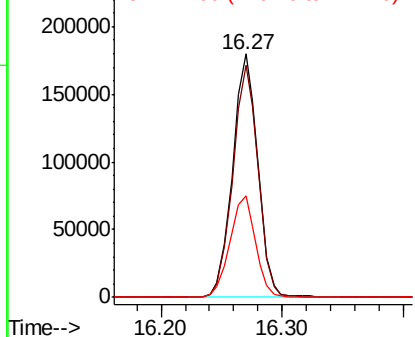
#42
 2,4,6-Tribromophenol
 Concen: 150.536 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

Tgt Ion:330 Resp: 261892
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 42.2 35.6 53.4

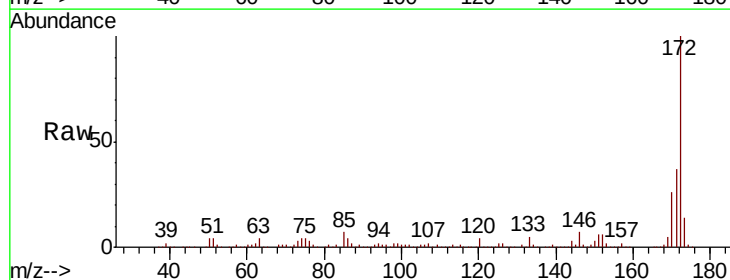


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

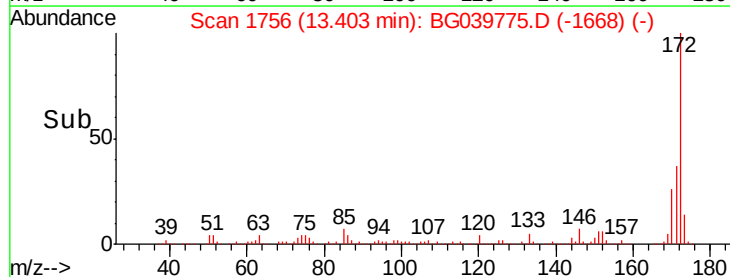
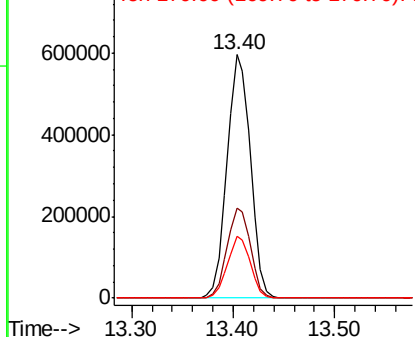


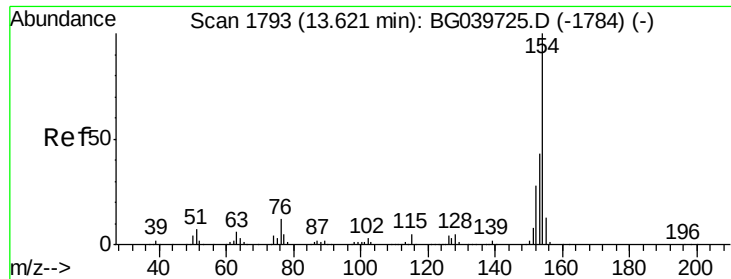
#45
 2-Fluorobiphenyl
 Concen: 90.530 ng
 RT: 13.40 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion:172 Resp: 949022
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.8 46.2
 170 25.5 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

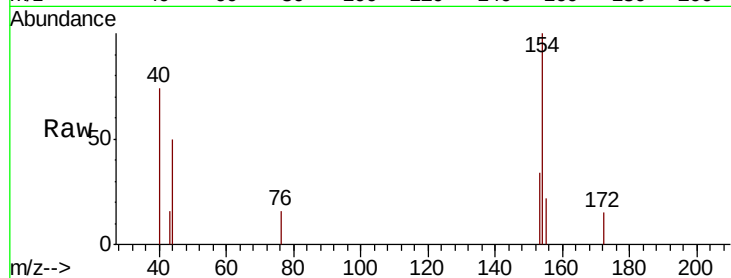




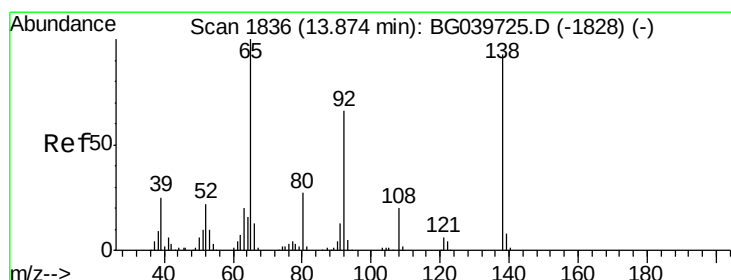
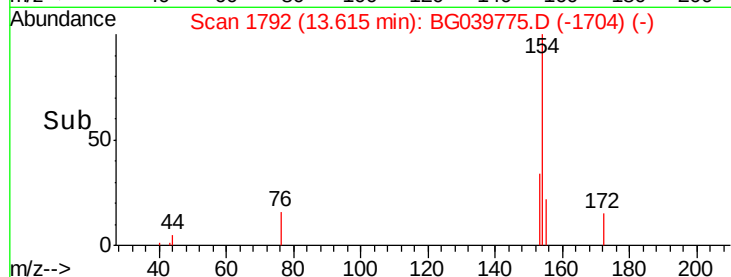
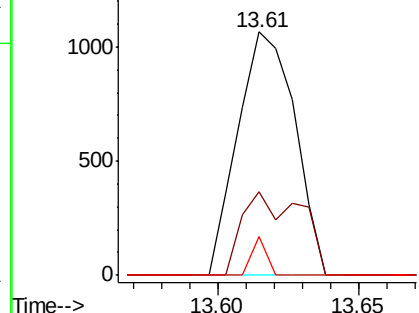
#46
1,1'-Biphenyl
Concen: 0.122 ng
RT: 13.61 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Instrument :
BNA_G
ClientSampled :
TP-4-B

Tgt Ion: 154 Resp: 1493
Ion Ratio Lower Upper
154 100
153 34.1 22.1 62.1
76 15.9 0.0 32.4

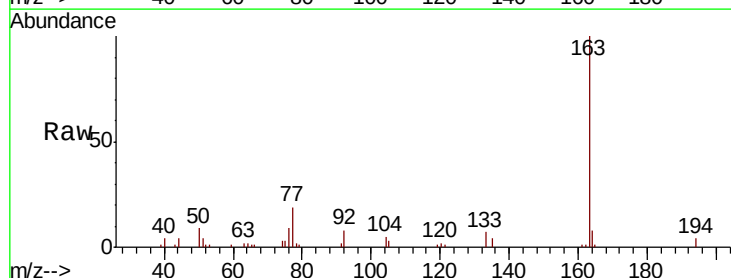


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC

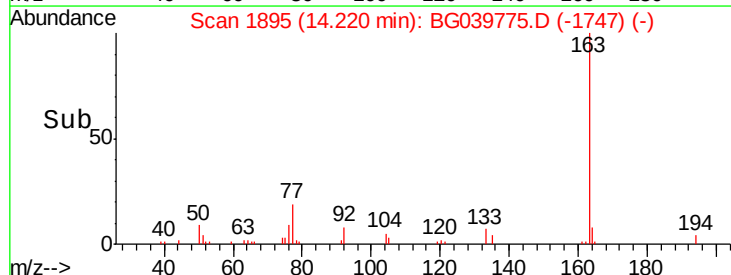
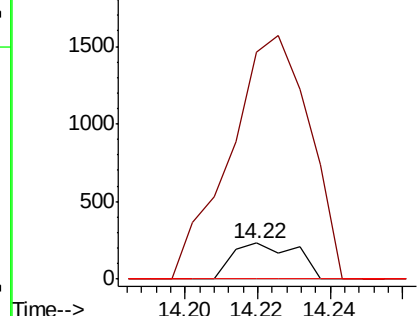


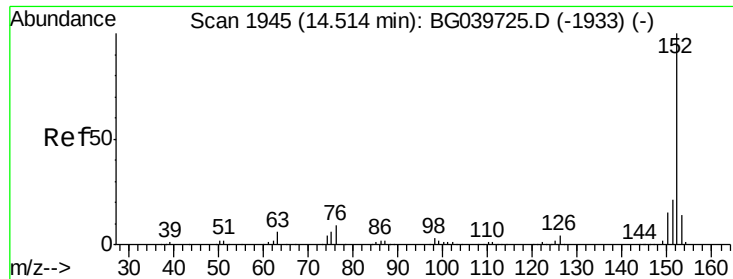
#48
2-Nitroaniline
Concen: 0.094 ng
RT: 14.22 min Scan# 1895
Delta R.T. 0.34 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Tgt Ion: 65 Resp: 280
Ion Ratio Lower Upper
65 100
92 633.3 51.4 77.2#
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.005 ng

RT: 14.85 min Scan# 2003

Delta R.T. 0.33 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

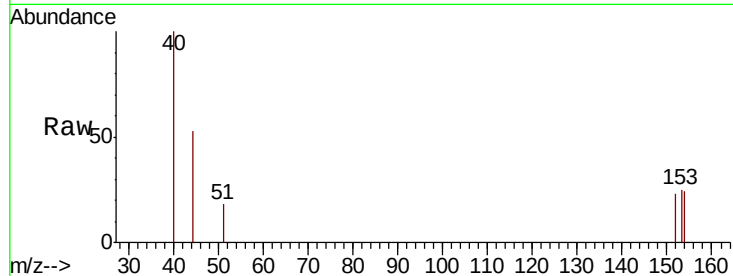
Tgt Ion:152 Resp: 70

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

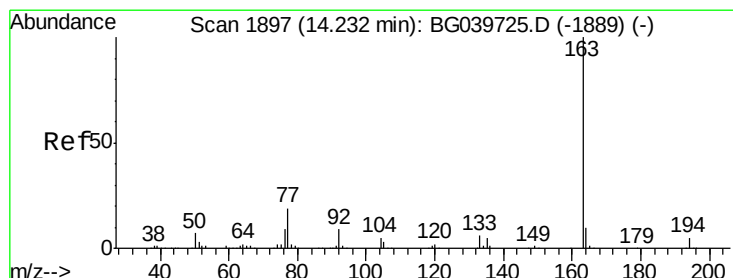
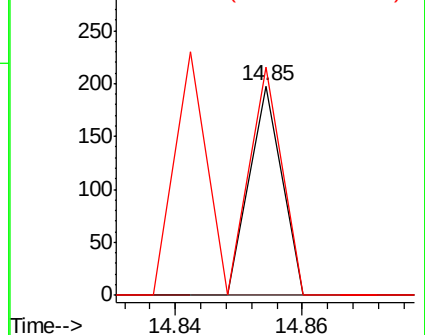
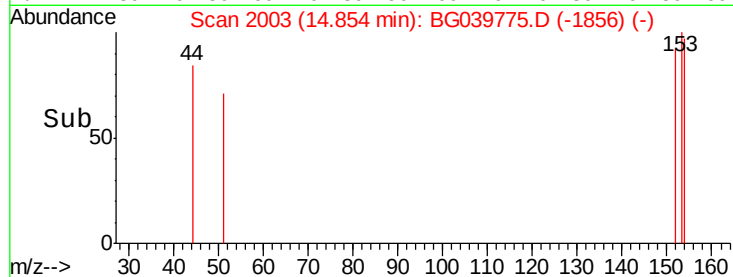
153 108.6 11.7 17.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.272 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

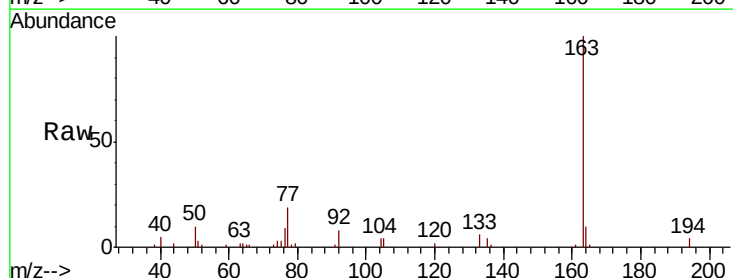
Tgt Ion:163 Resp: 28356

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

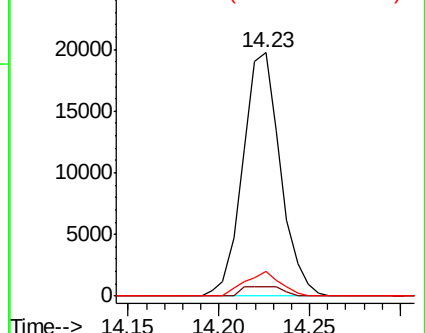
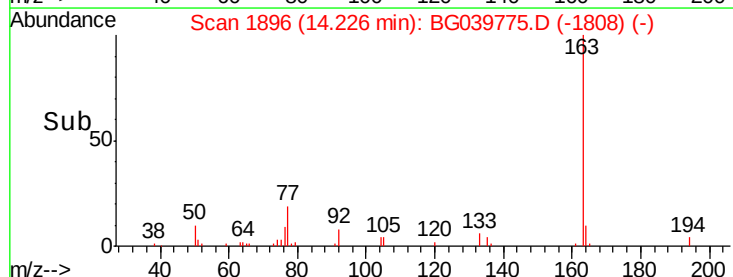
164 9.9 8.4 12.6

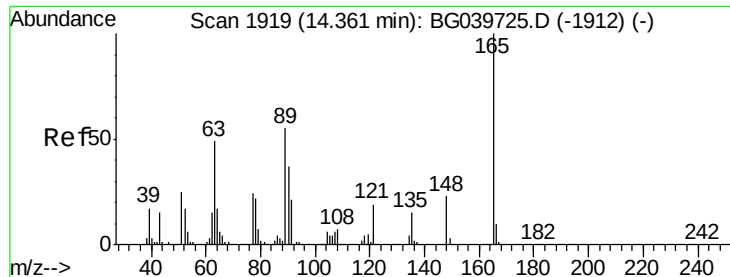


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

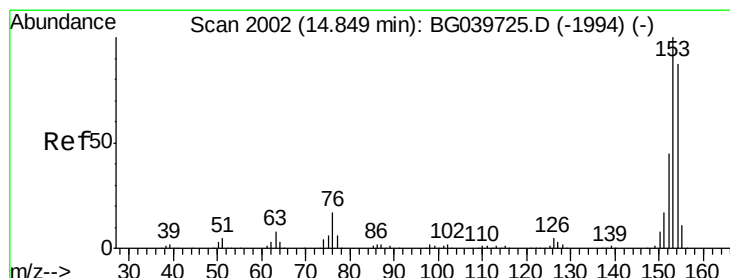
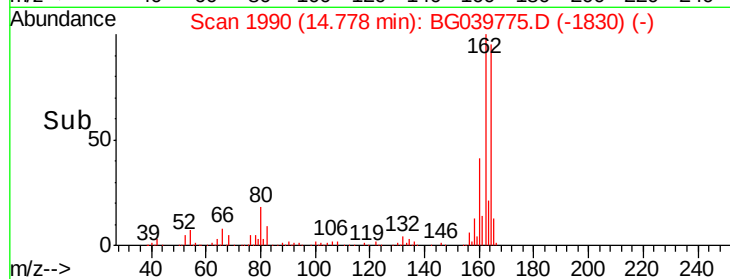
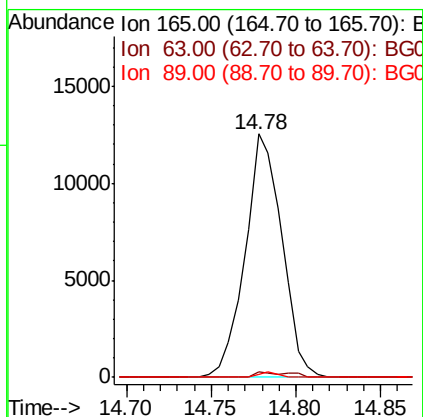
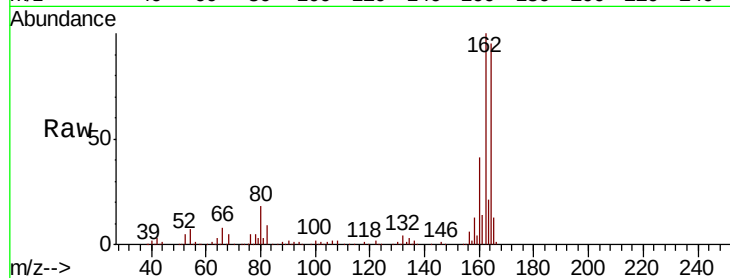




#51
 2,6-Dinitrotoluene
 Concen: 7.189 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. 0.41 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

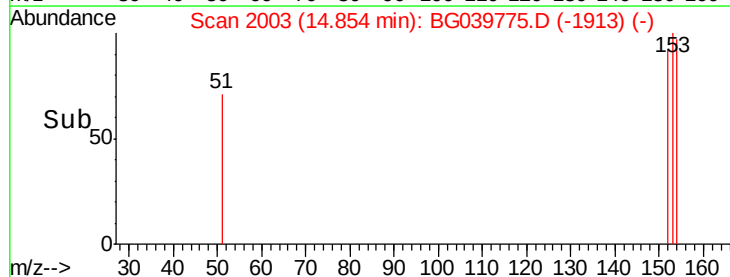
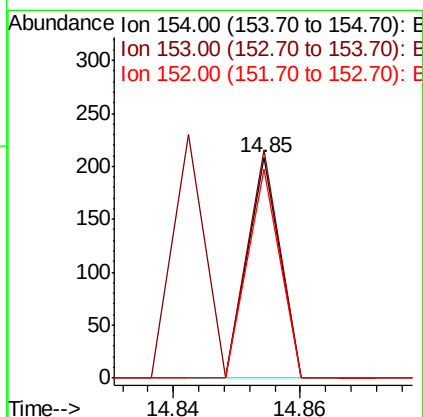
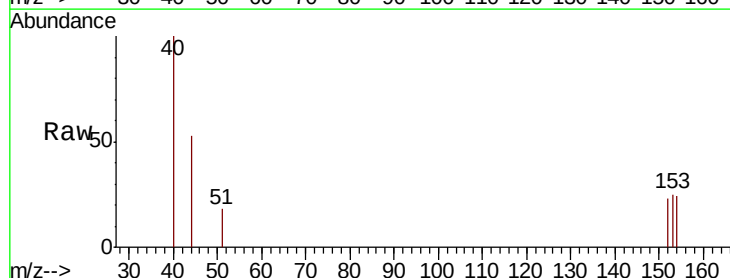
Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

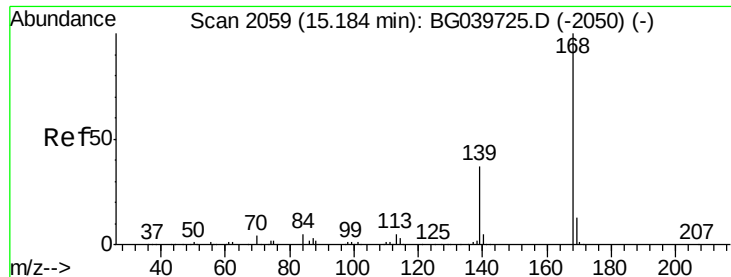
Tgt Ion:165 Resp: 19021
 Ion Ratio Lower Upper
 165 100
 63 2.3 47.0 70.6#
 89 1.3 45.8 68.8#



#52
 Acenaphthene
 Concen: 0.008 ng
 RT: 14.85 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion:154 Resp: 73
 Ion Ratio Lower Upper
 154 100
 153 103.4 90.1 135.1
 152 95.2 40.9 61.3#





#55

Dibenzofuran

Concen: 0.005 ng

RT: 15.17 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampled :

TP-4-B

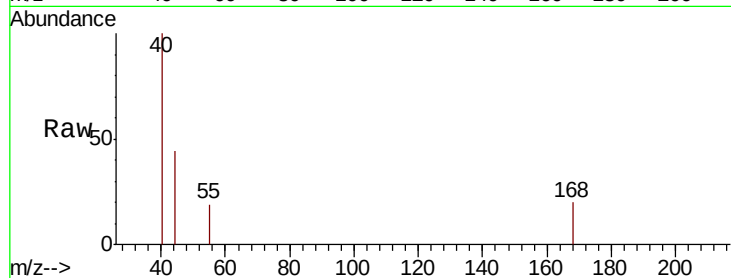
Tgt Ion:168 Resp: 74

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

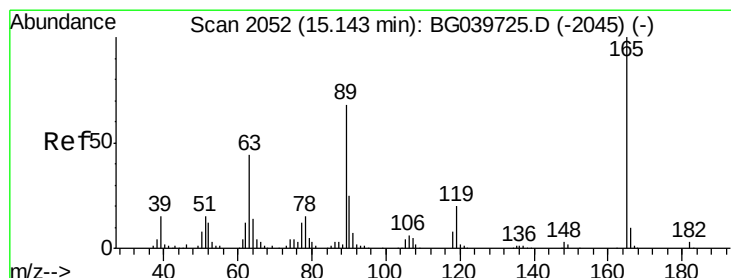
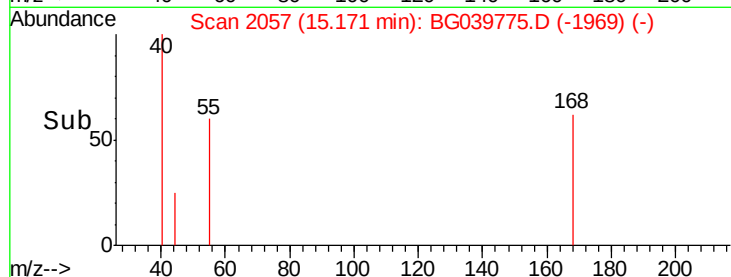
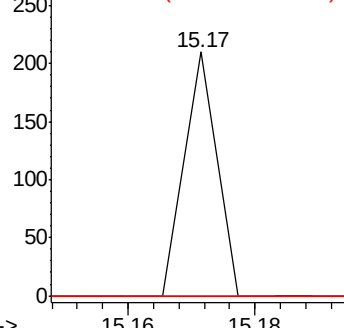
169 0.0 10.6 16.0#



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: 5.116 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.37 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Tgt Ion:165 Resp: 19021

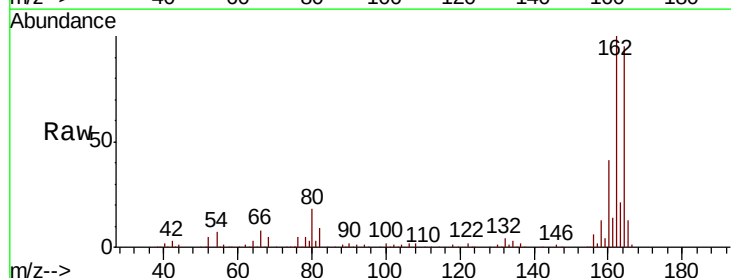
Ion Ratio Lower Upper

165 100

63 2.3 41.0 61.6#

89 1.3 64.6 96.8#

182 0.0 2.0 3.0#

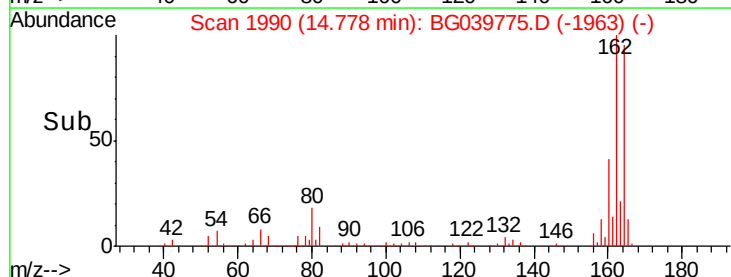
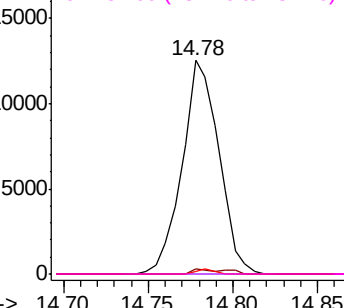


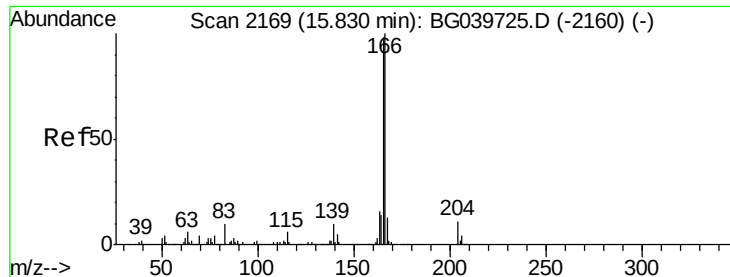
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.982 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.43 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

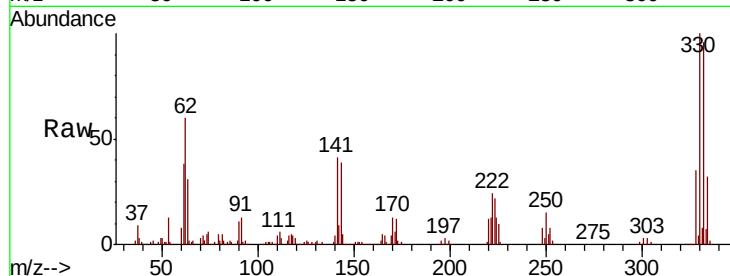
Tgt Ion:166 Resp: 11553

Ion Ratio Lower Upper

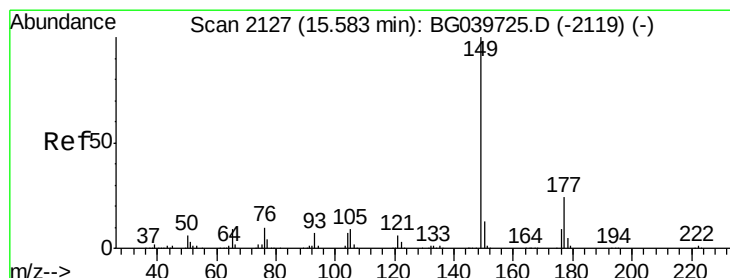
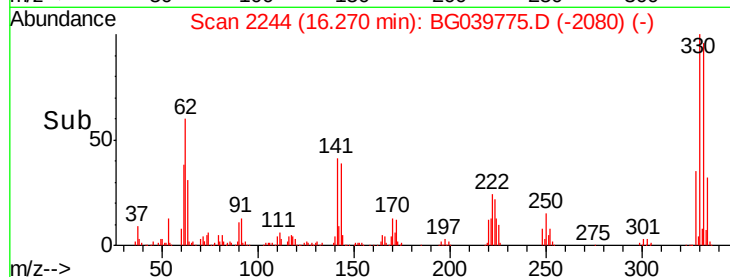
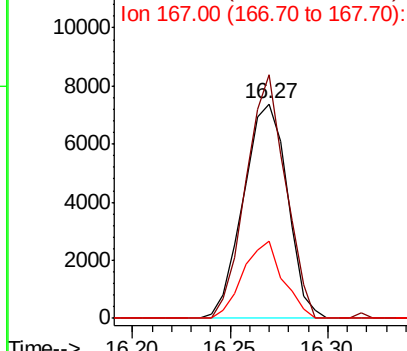
166 100

165 113.6 77.9 116.9

167 36.3 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



#60

Diethylphthalate

Concen: 0.059 ng

RT: 15.58 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

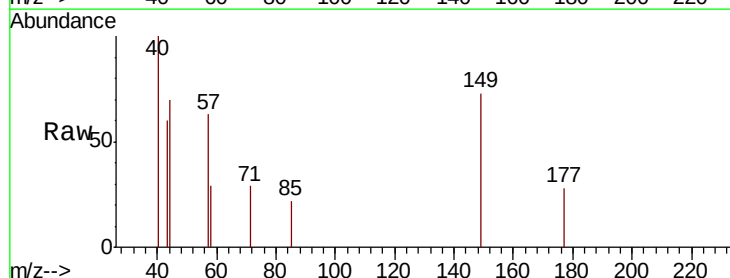
Tgt Ion:149 Resp: 725

Ion Ratio Lower Upper

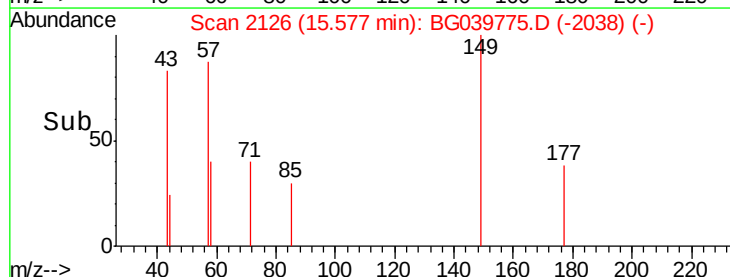
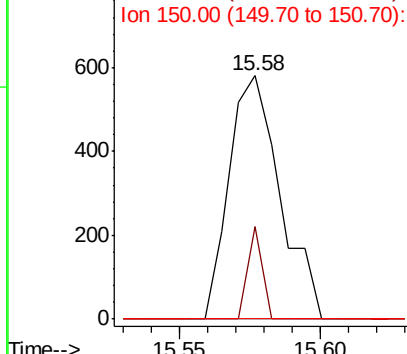
149 100

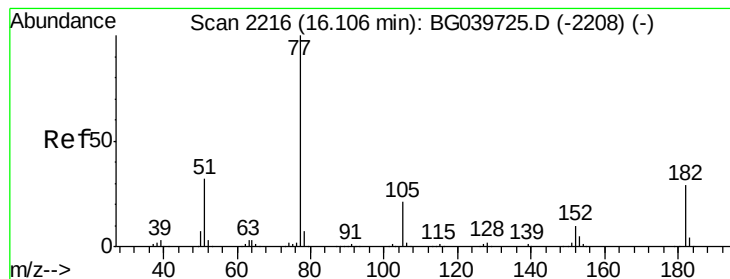
177 38.2 18.3 27.5#

150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.025 ng

RT: 16.13 min Scan# 2220

Delta R.T. 0.02 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

Tgt Ion: 77 Resp: 283

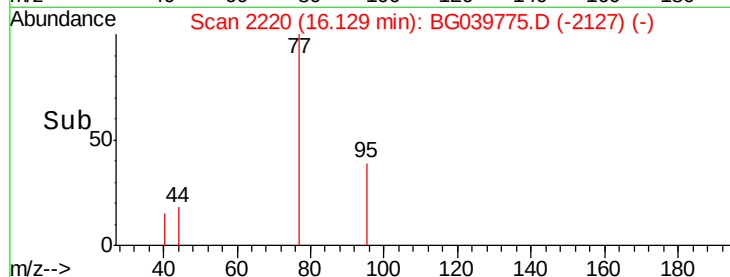
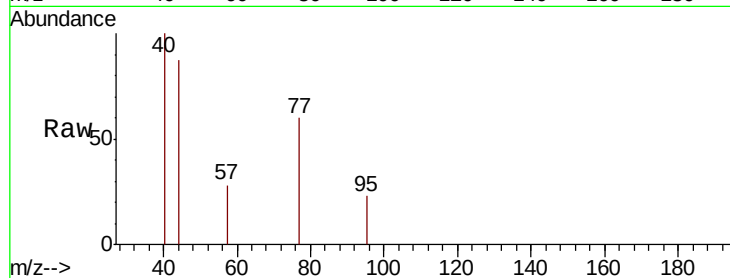
Ion Ratio Lower Upper

77 100

182 0.0 6.4 46.4#

105 0.0 0.0 39.8

51 0.0 14.1 54.1#

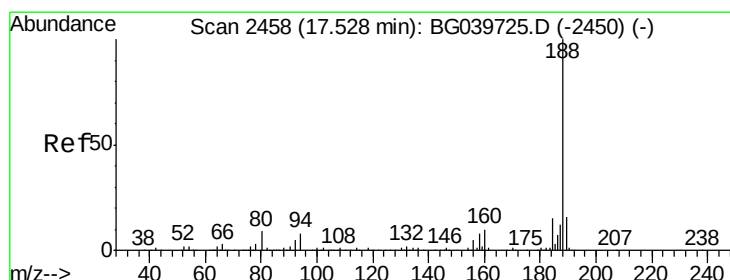
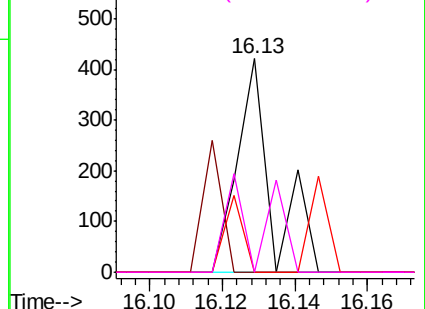


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

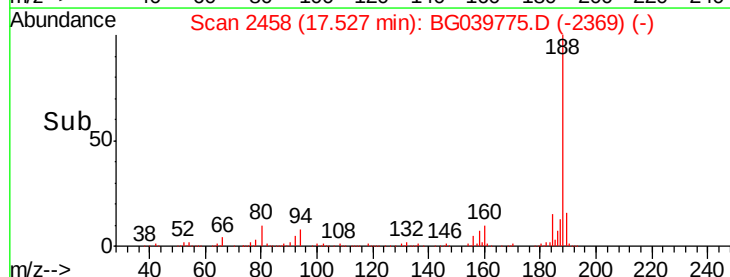
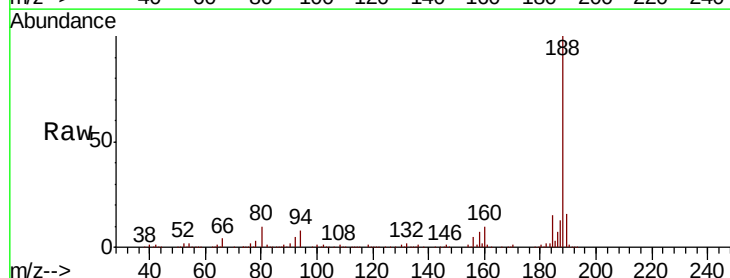
Tgt Ion: 188 Resp: 372974

Ion Ratio Lower Upper

188 100

94 8.4 6.9 10.3

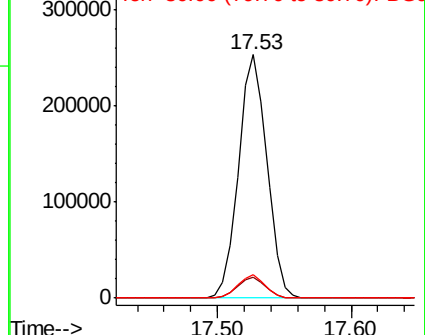
80 9.7 8.1 12.1

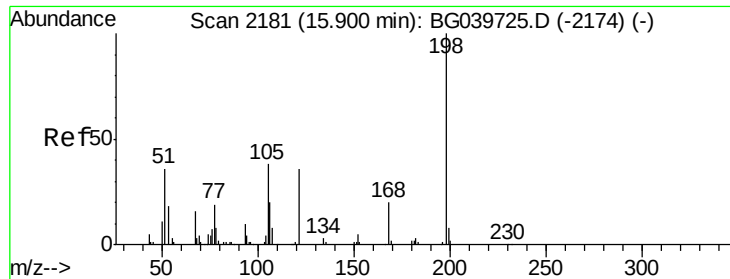


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

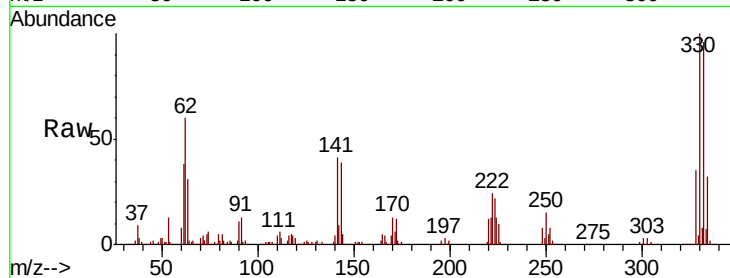




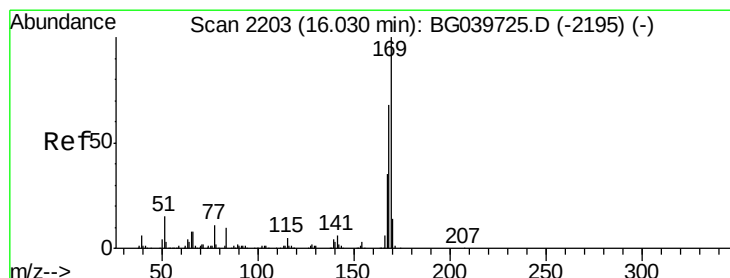
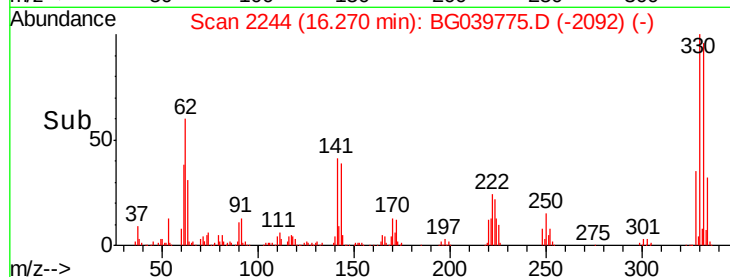
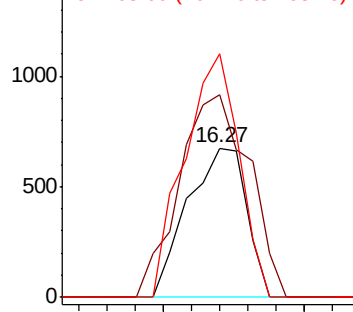
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.441 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.36 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Instrument :
 BNA_G
 ClientSampled :
 TP-4-B

Tgt Ion:198 Resp: 973
 Ion Ratio Lower Upper
 198 100
 51 136.3 27.4 67.4#
 105 163.6 19.7 59.7#

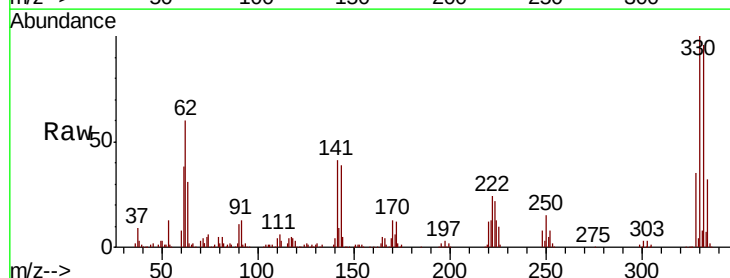


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

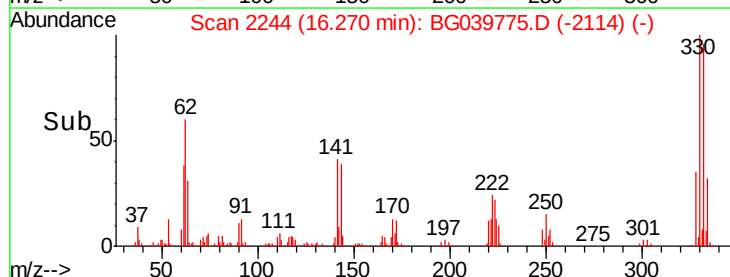
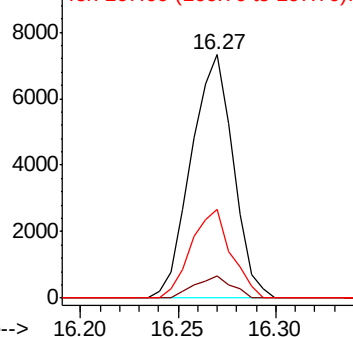


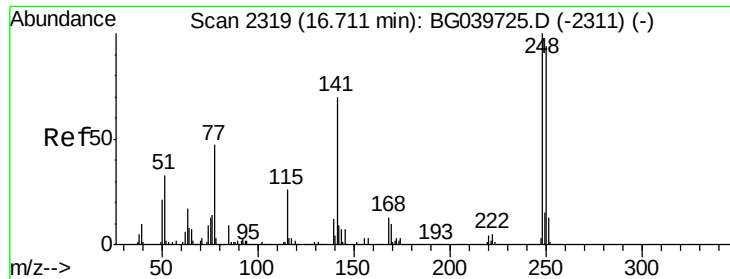
#66
 n-Nitrosodiphenylamine
 Concen: 1.012 ng
 RT: 16.27 min Scan# 2244
 Delta R.T. 0.23 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion:169 Resp: 10926
 Ion Ratio Lower Upper
 169 100
 168 9.2 56.6 85.0#
 167 36.6 28.8 43.2



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

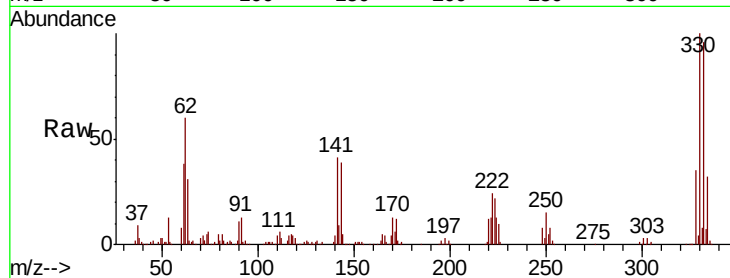




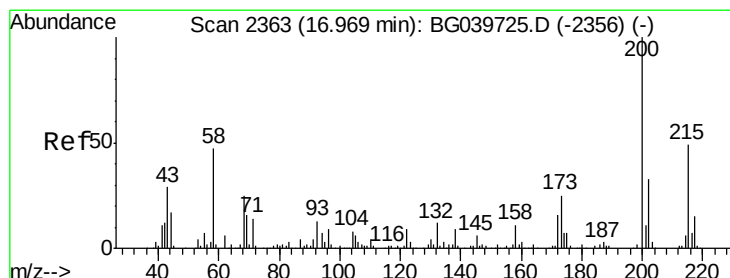
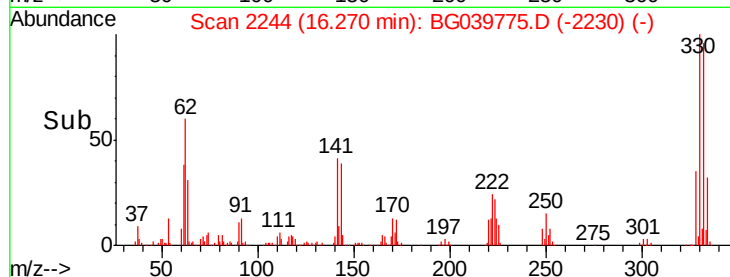
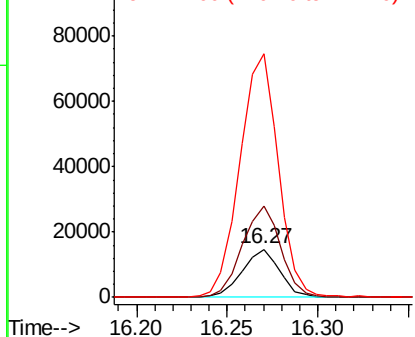
#67
4-Bromophenyl-phenylether
Concen: 5.090 ng
RT: 16.27 min Scan# 2244
Delta R.T. -0.45 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Instrument :
BNA_G
ClientSampleId :
TP-4-B

Tgt Ion:248 Resp: 21249
Ion Ratio Lower Upper
248 100
250 188.3 77.6 116.4#
141 503.8 63.9 95.9#

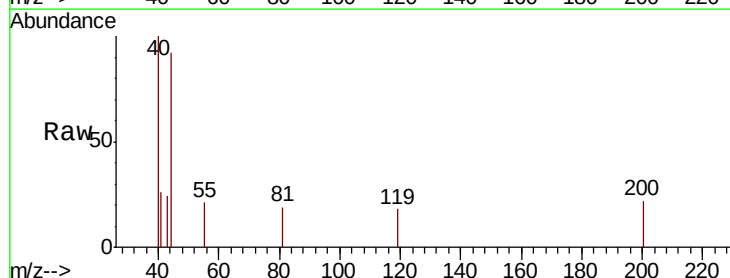


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

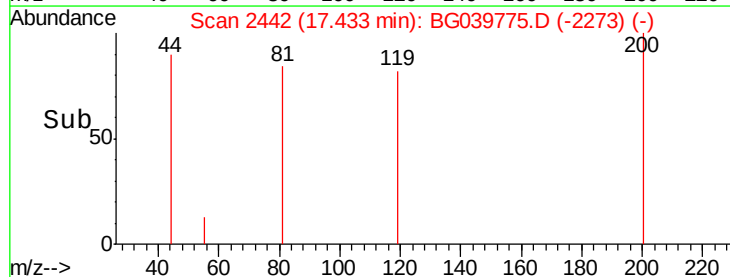
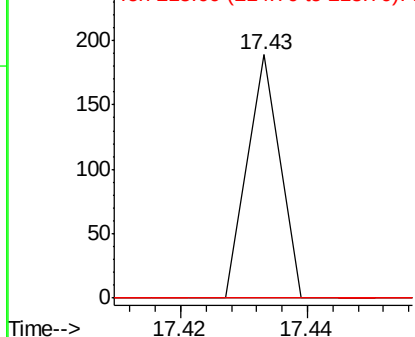


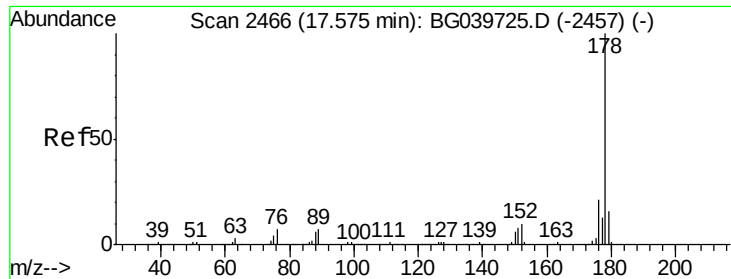
#69
Atrazine
Concen: 0.016 ng
RT: 17.43 min Scan# 2442
Delta R.T. 0.46 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Tgt Ion:200 Resp: 67
Ion Ratio Lower Upper
200 100
173 0.0 3.9 43.9#
215 0.0 30.9 70.9#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

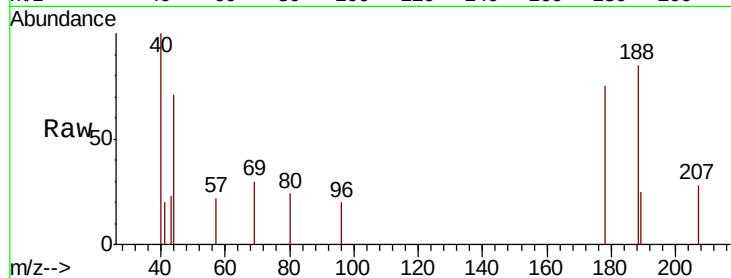




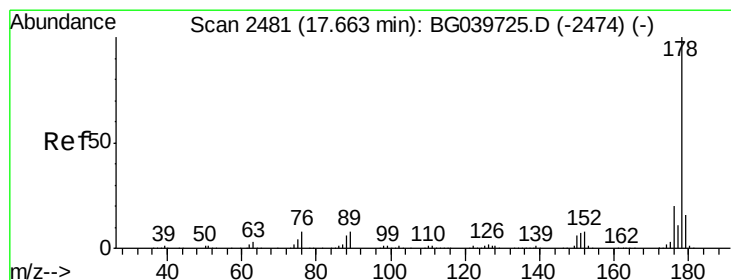
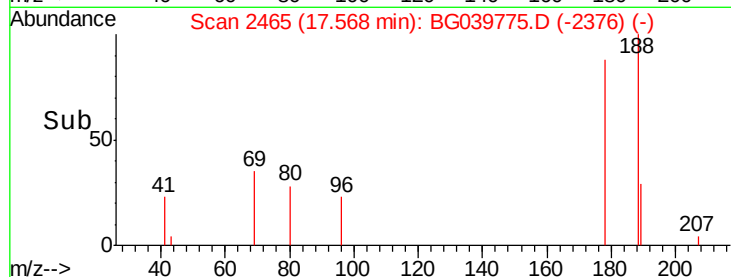
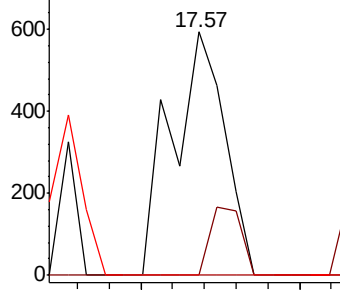
#71
Phenanthrene
Concen: 0.034 ng
RT: 17.57 min Scan# 2465
Delta R.T. -0.01 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Instrument :
BNA_G
ClientSampleId :
TP-4-B

Tgt Ion:178 Resp: 690
Ion Ratio Lower Upper
178 100
176 0.0 16.2 24.4#
179 0.0 12.6 19.0#

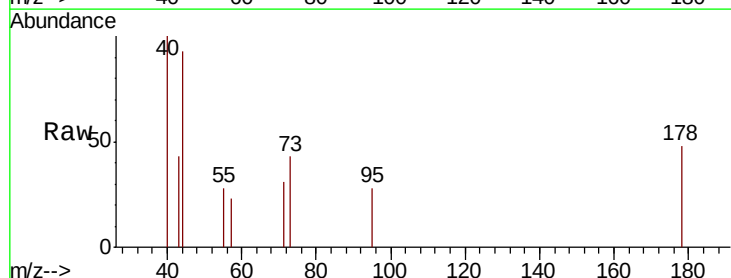


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

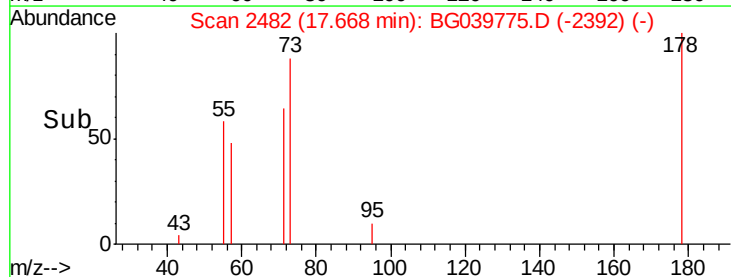
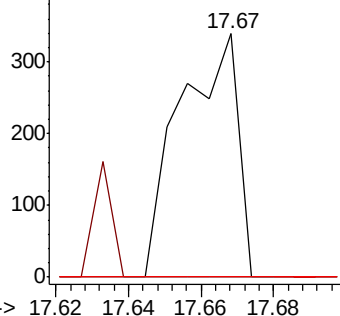


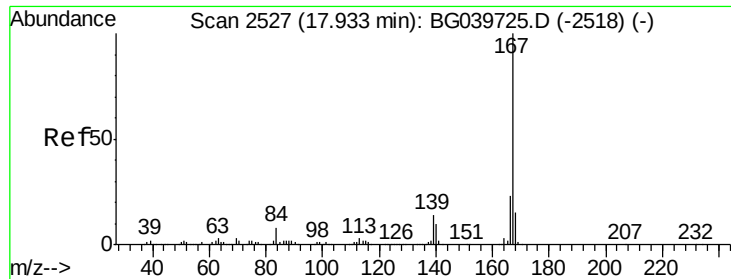
#72
Anthracene
Concen: 0.019 ng
RT: 17.67 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BG039775.D
Acq: 5 Mar 2019 22:04

Tgt Ion:178 Resp: 376
Ion Ratio Lower Upper
178 100
176 0.0 15.8 23.6#
179 0.0 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

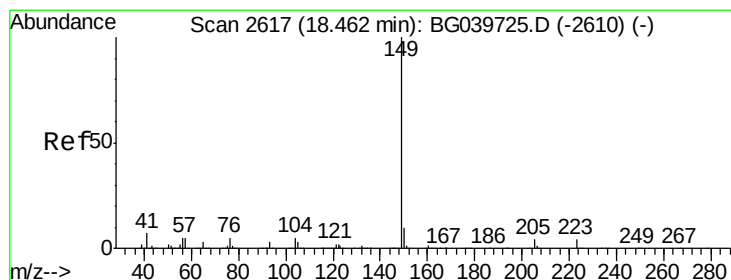
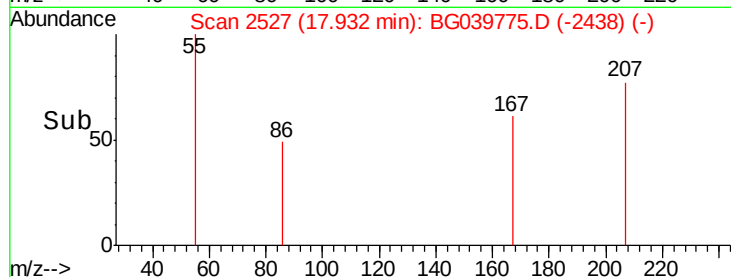
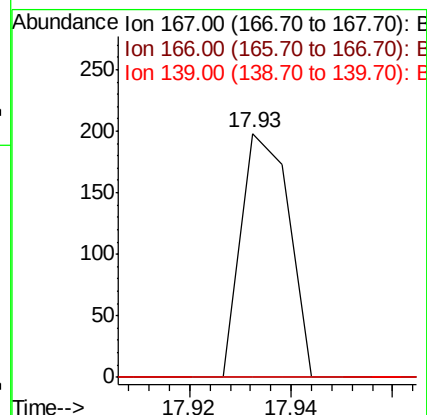
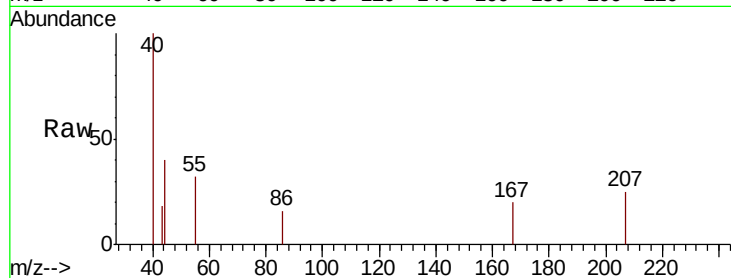




#73
 Carbazole
 Concen: 0.007 ng
 RT: 17.93 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

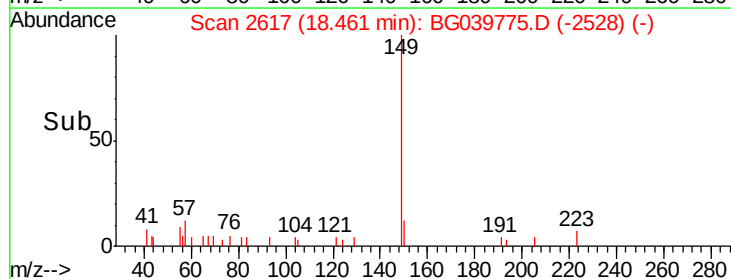
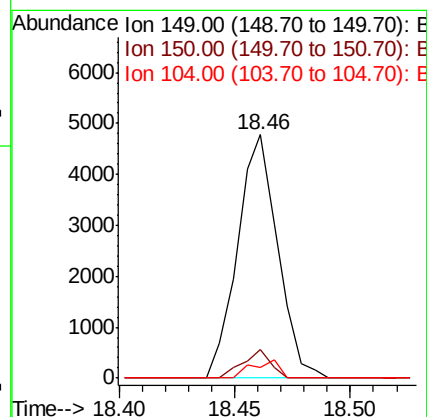
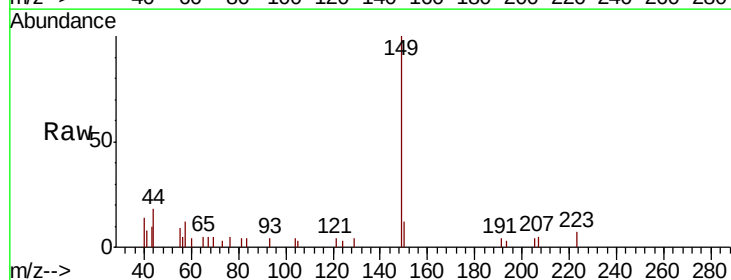
Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

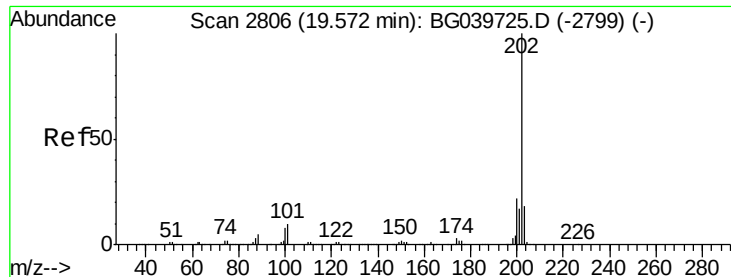
Tgt Ion:167 Resp: 131
 Ion Ratio Lower Upper
 167 100
 166 0.0 19.4 29.2#
 139 0.0 10.8 16.2#



#74
 Di-n-butylphthalate
 Concen: 0.272 ng
 RT: 18.46 min Scan# 2617
 Delta R.T. -0.01 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Tgt Ion:149 Resp: 5785
 Ion Ratio Lower Upper
 149 100
 150 11.5 7.7 11.5#
 104 4.2 4.5 6.7#





#75

Fluoranthene

Concen: 0.041 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

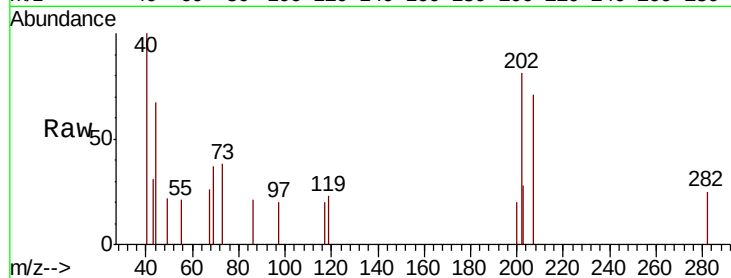
Tgt Ion:202 Resp: 994

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.0

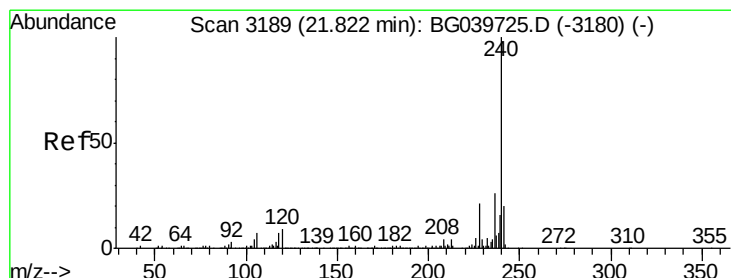
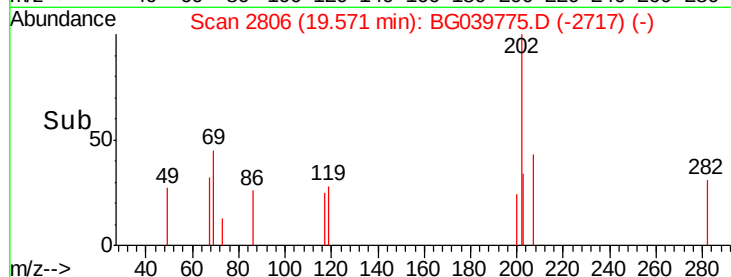
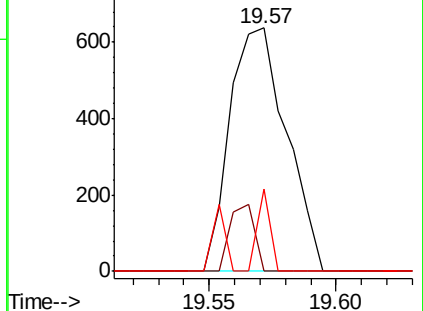
203 34.0 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

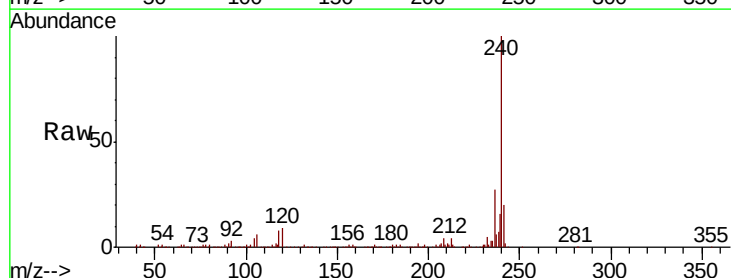
Tgt Ion:240 Resp: 375521

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

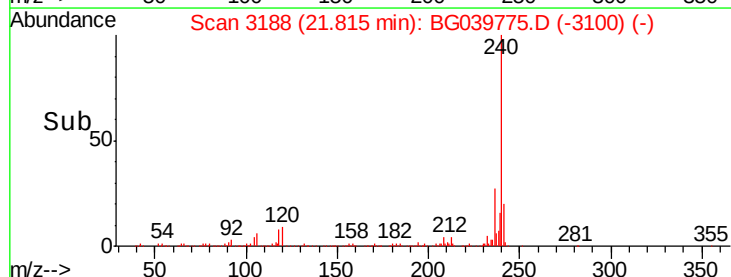
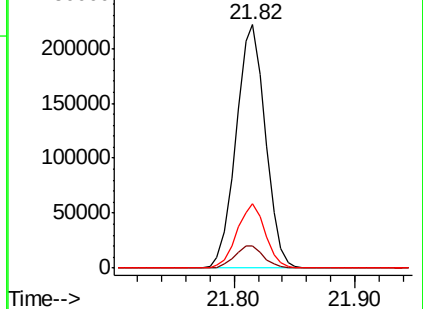
236 26.6 21.0 31.4

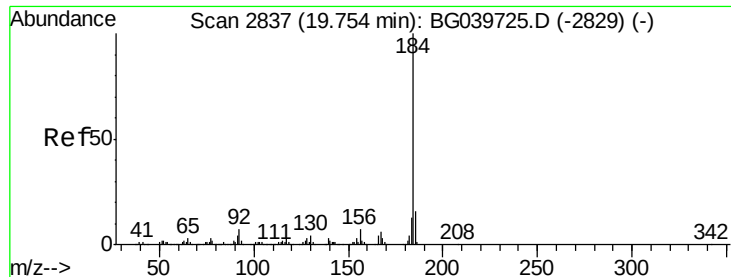


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.390 ng

RT: 20.12 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampled :

TP-4-B

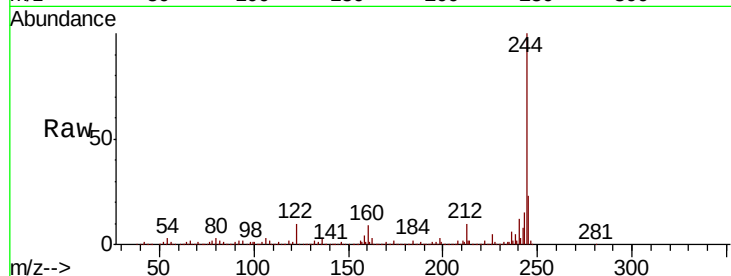
Tgt Ion:184 Resp: 28475

Ion Ratio Lower Upper

184 100

185 19.9 12.2 18.2#

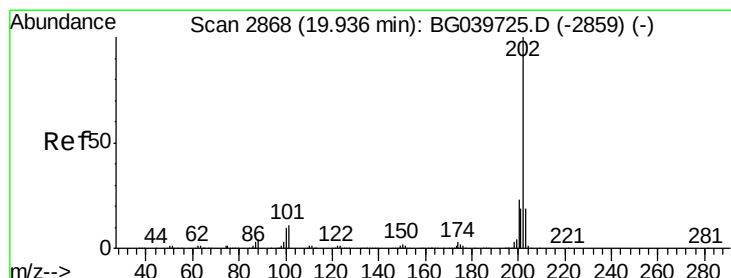
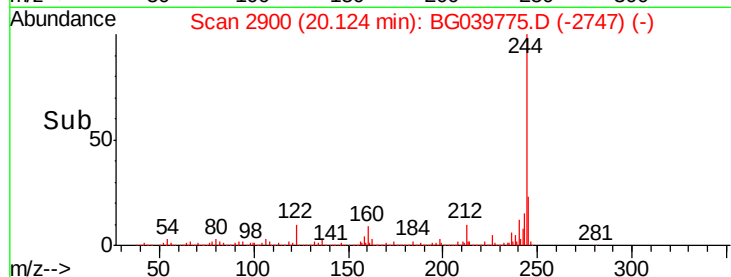
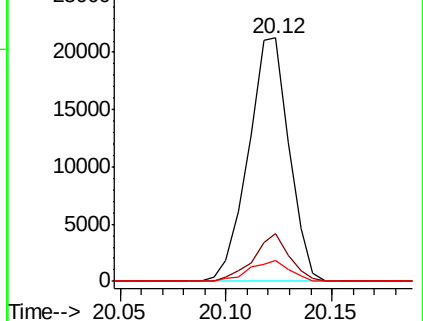
183 8.8 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.060 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

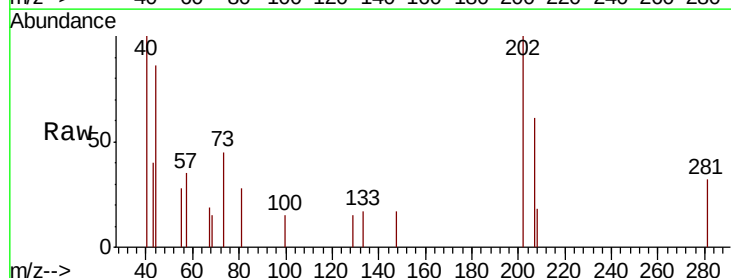
Tgt Ion:202 Resp: 1452

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.8#

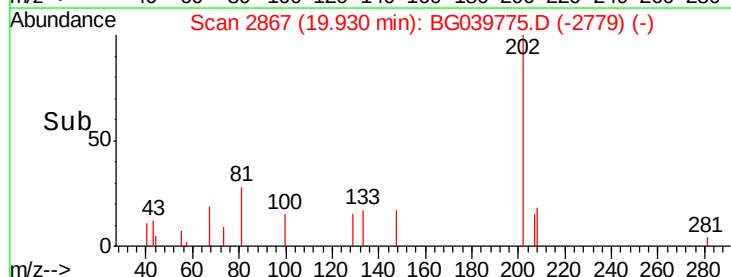
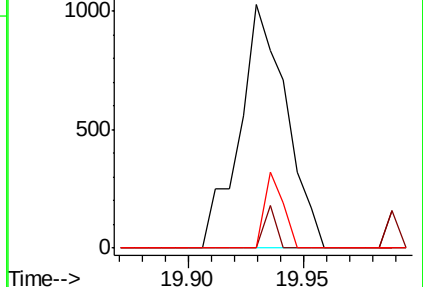
203 0.0 15.3 22.9#

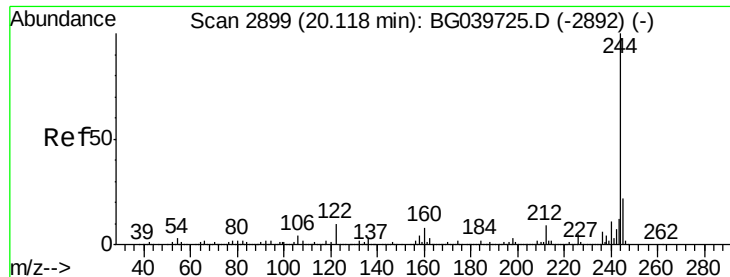


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 90.680 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.00 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

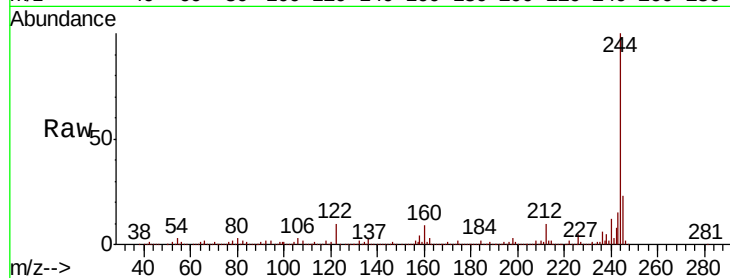
Tgt Ion:244 Resp: 1546567

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

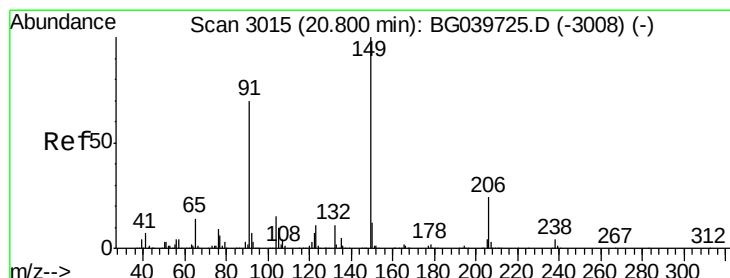
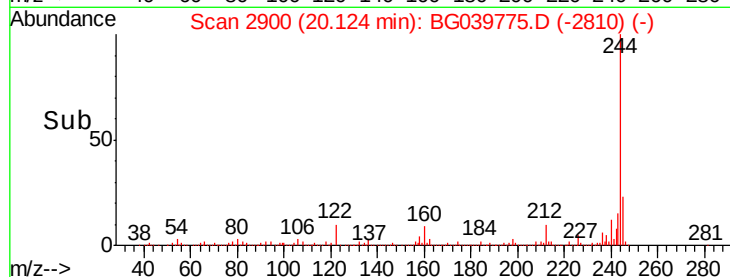
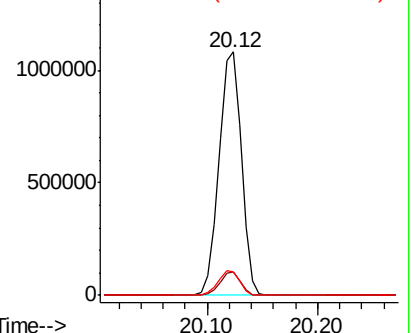
122 9.7 8.4 12.6



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: 0.104 ng

RT: 20.80 min Scan# 3016

Delta R.T. -0.00 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

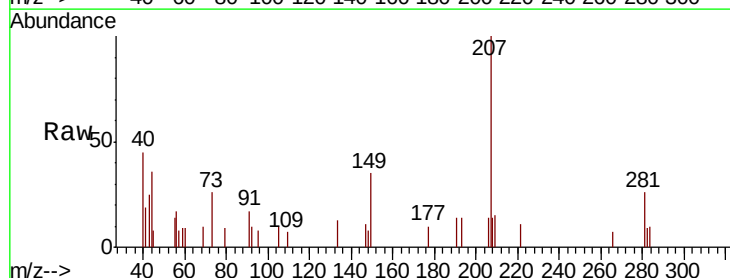
Tgt Ion:149 Resp: 983

Ion Ratio Lower Upper

149 100

91 48.6 59.5 89.3#

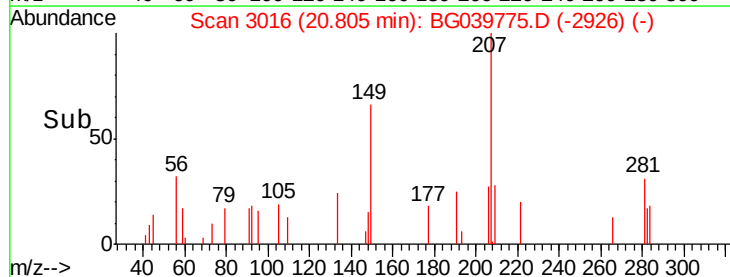
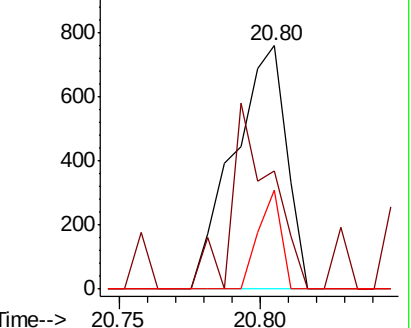
206 40.4 18.6 27.8#

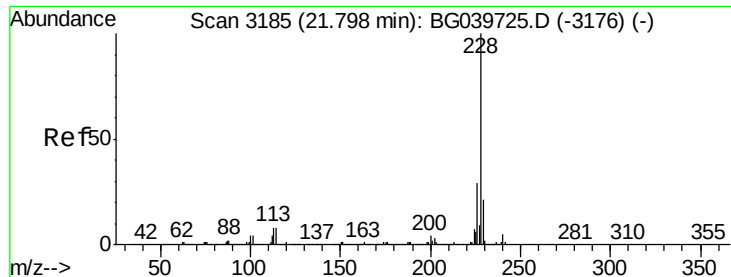


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.090 ng

RT: 21.81 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampled :

TP-4-B

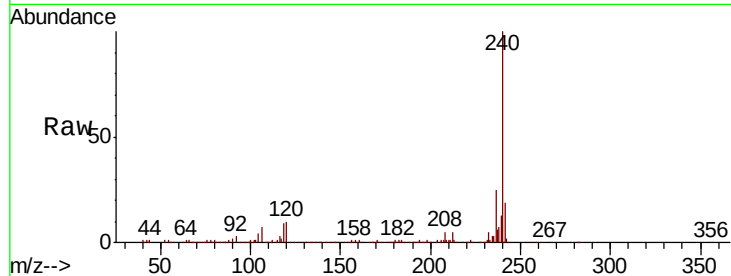
Tgt Ion:228 Resp: 2115

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

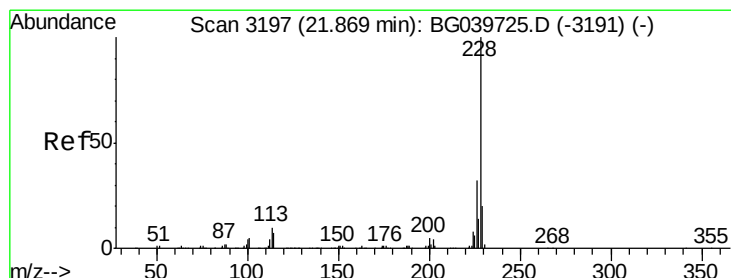
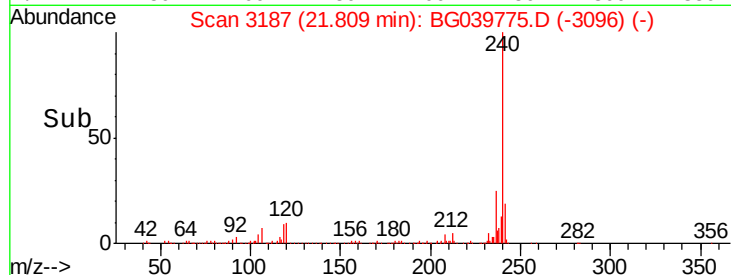
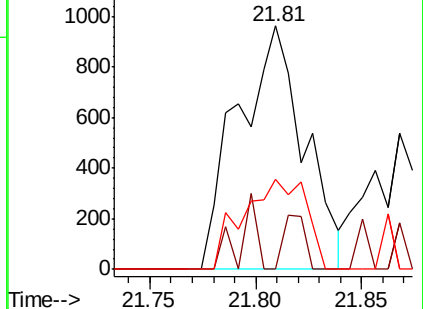
229 36.9 16.9 25.3#



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: 0.035 ng

RT: 21.87 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

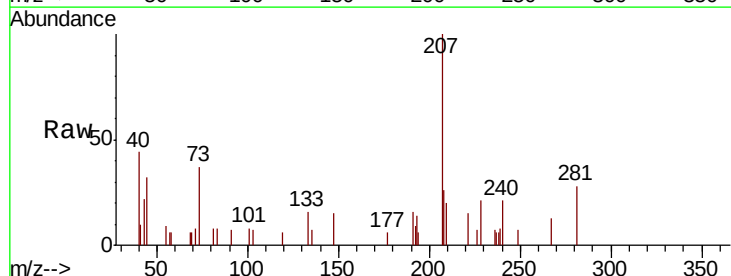
Tgt Ion:228 Resp: 791

Ion Ratio Lower Upper

228 100

226 34.3 25.8 38.6

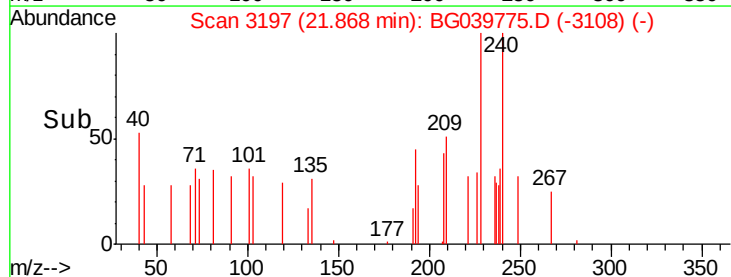
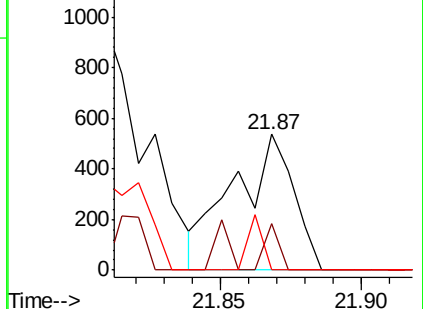
229 0.0 16.6 25.0#

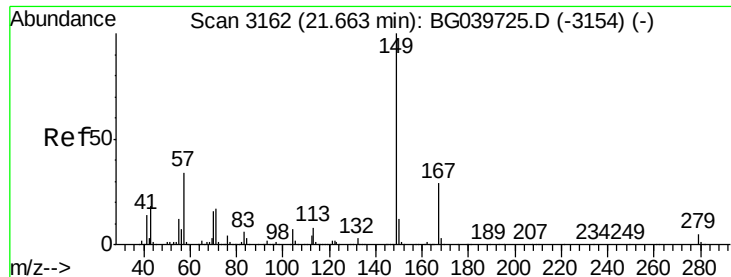


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.121 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

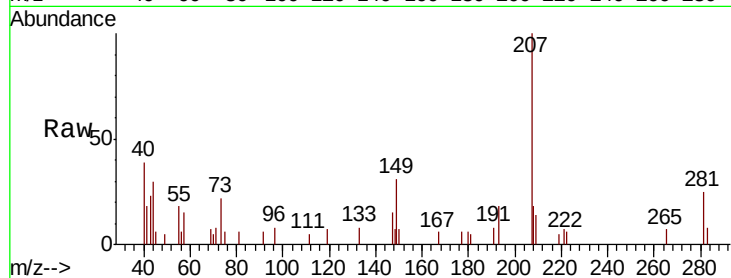
Tgt Ion:149 Resp: 1611

Ion Ratio Lower Upper

149 100

167 20.2 22.6 34.0#

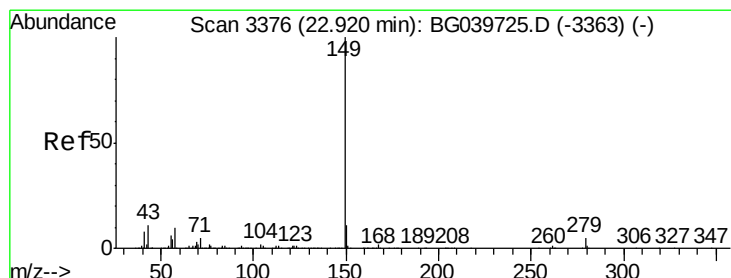
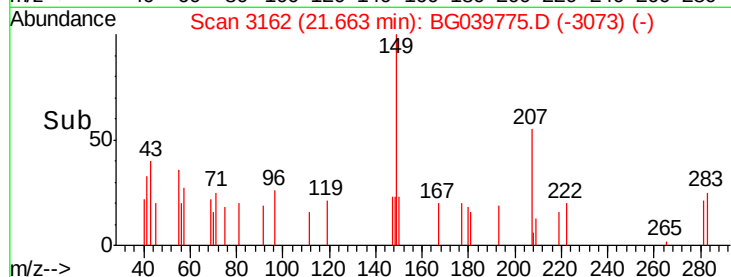
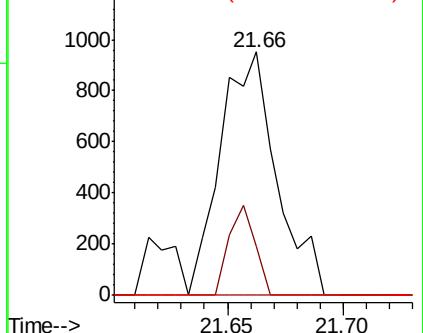
279 0.0 3.5 5.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.033 ng

RT: 22.91 min Scan# 3374

Delta R.T. -0.02 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

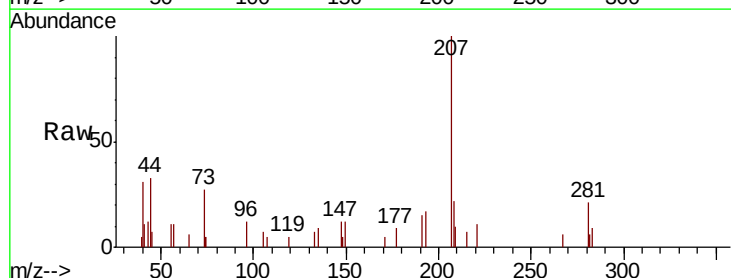
Tgt Ion:149 Resp: 719

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

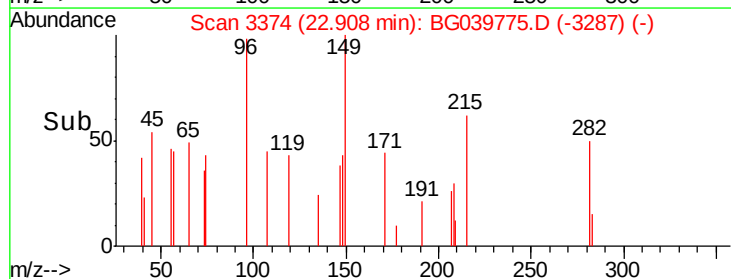
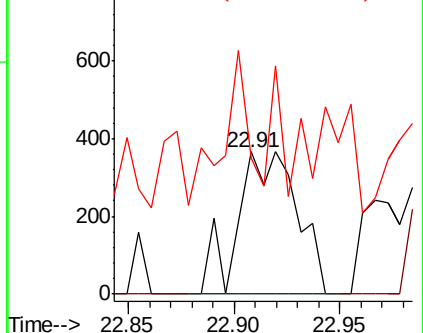
43 0.0 10.2 15.4#

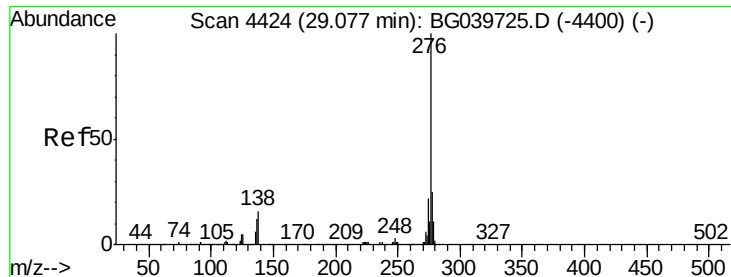


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.013 ng

RT: 29.05 min Scan# 4420

Delta R.T. -0.04 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

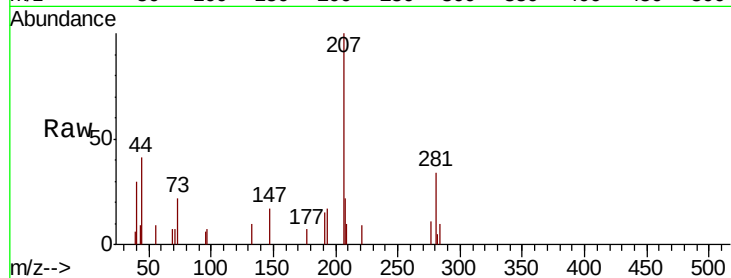
Tgt Ion:276 Resp: 325

Ion Ratio Lower Upper

276 100

138 0.0 12.6 19.0#

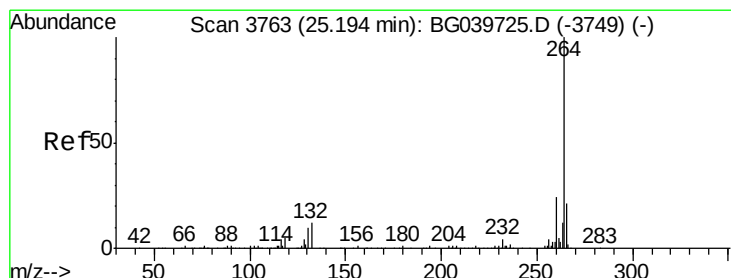
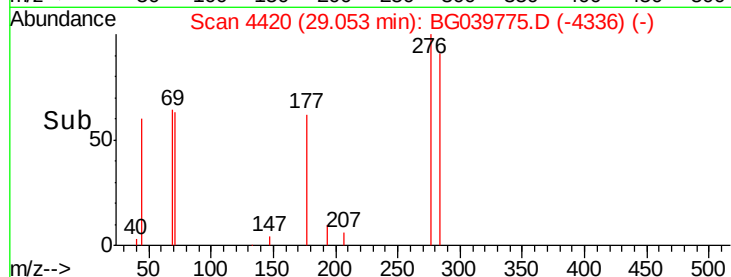
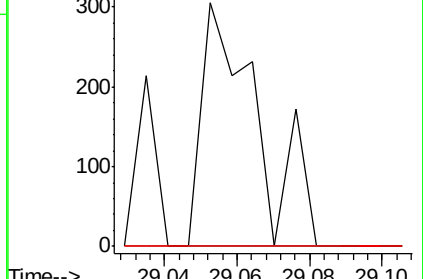
277 0.0 20.8 31.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.18 min Scan# 3761

Delta R.T. -0.02 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

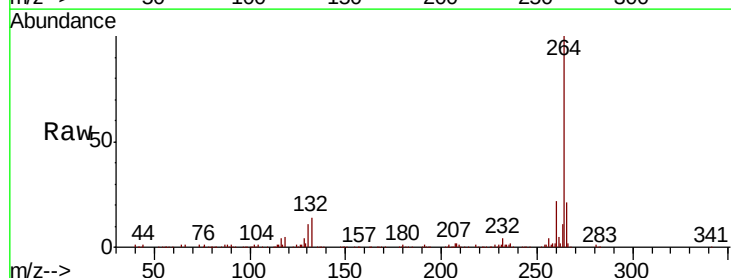
Tgt Ion:264 Resp: 376617

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.4

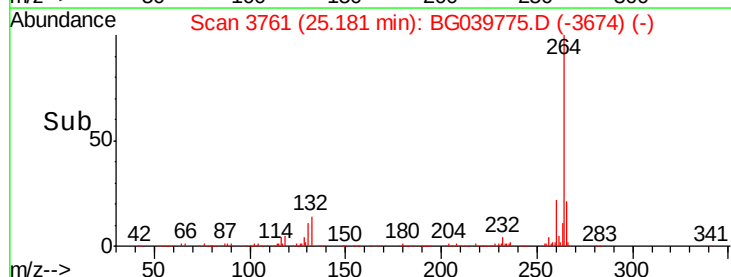
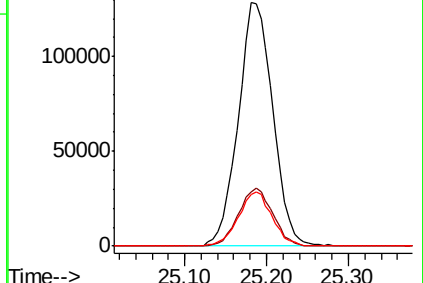
265 21.3 18.5 27.7

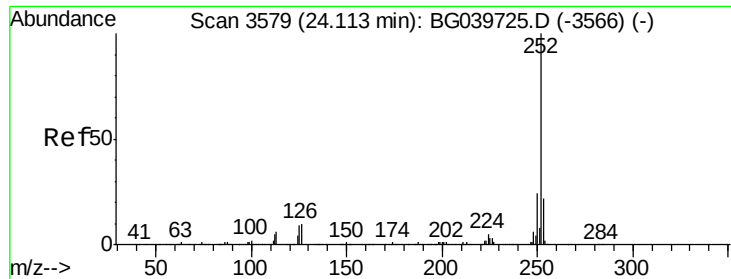


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.051 ng

RT: 24.11 min Scan# 3578

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

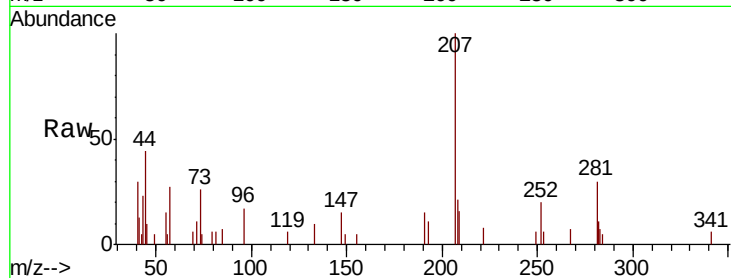
Tgt Ion:252 Resp: 1152

Ion Ratio Lower Upper

252 100

253 29.8 17.8 26.8#

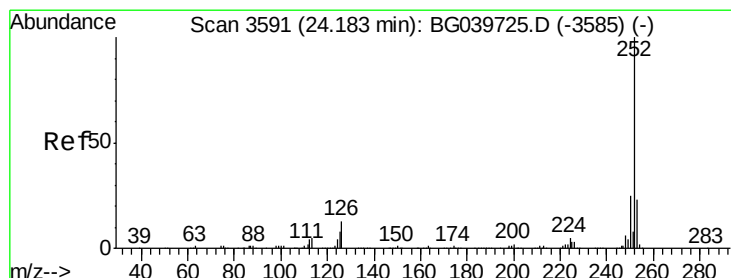
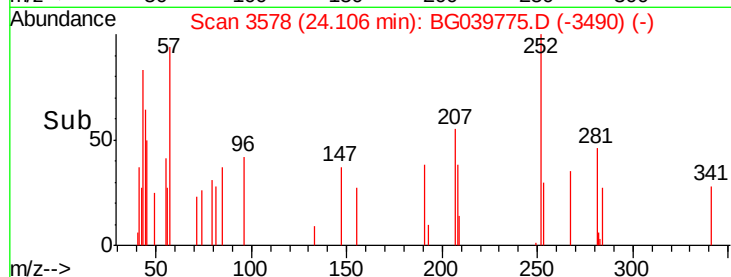
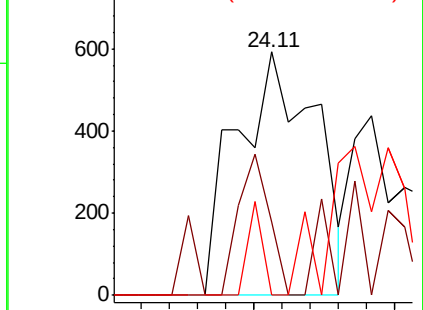
125 0.0 7.8 11.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 0.030 ng

RT: 24.18 min Scan# 3591

Delta R.T. -0.01 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

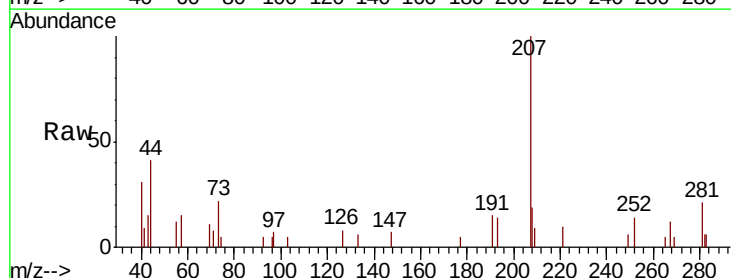
Tgt Ion:252 Resp: 634

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

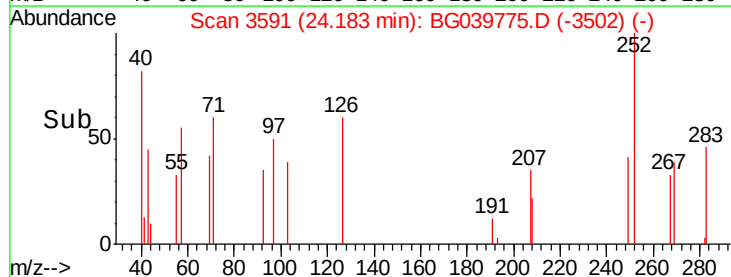
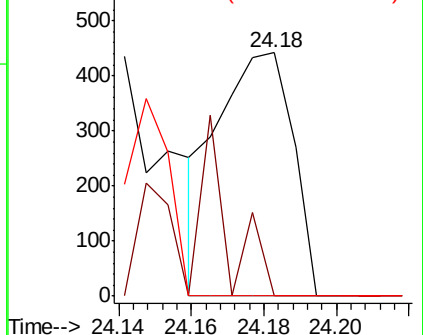
125 0.0 7.4 11.2#

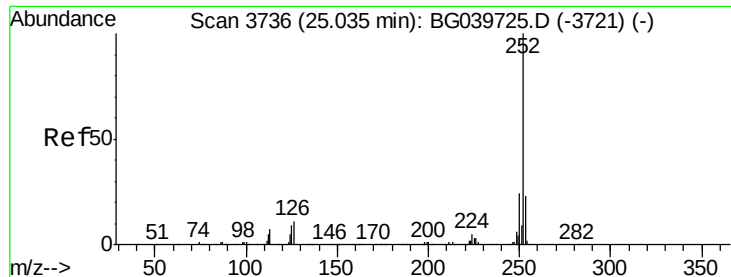


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.021 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.02 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

Instrument :

BNA_G

ClientSampleId :

TP-4-B

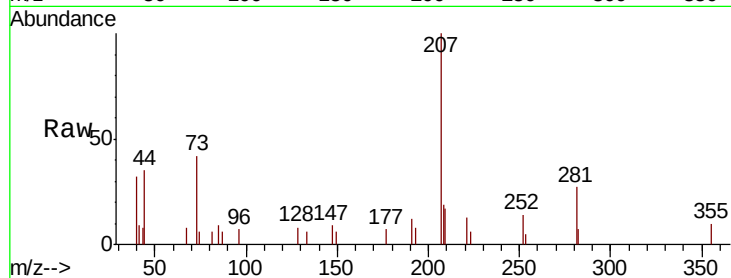
Tgt Ion: 252 Resp: 427

Ion Ratio Lower Upper

252 100

253 39.5 17.9 26.9#

125 0.0 8.3 12.5#

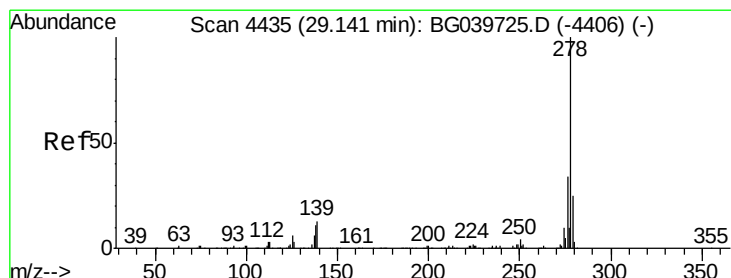
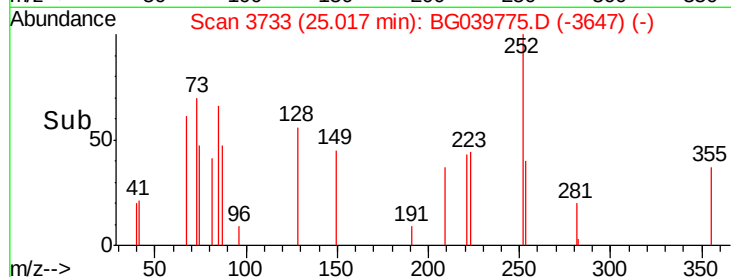
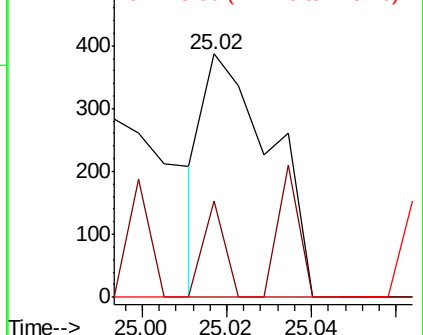


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.006 ng

RT: 29.12 min Scan# 4432

Delta R.T. -0.03 min

Lab File: BG039775.D

Acq: 5 Mar 2019 22:04

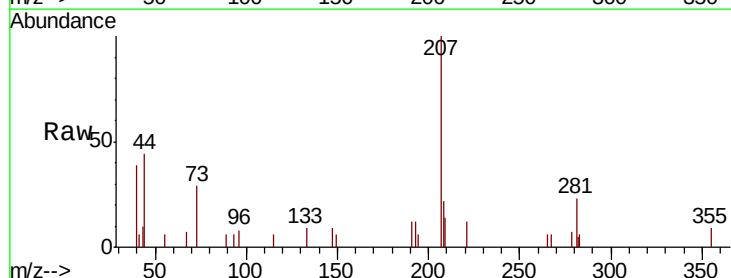
Tgt Ion: 278 Resp: 131

Ion Ratio Lower Upper

278 100

139 0.0 11.7 17.5#

279 0.0 19.1 28.7#

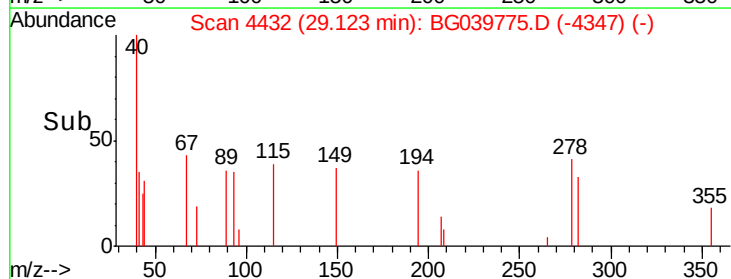
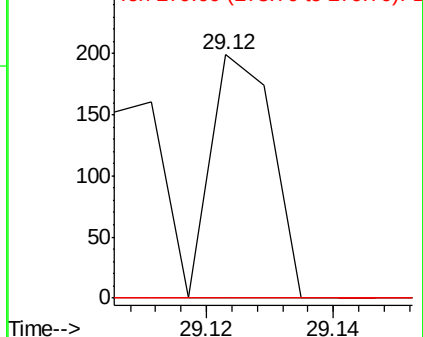


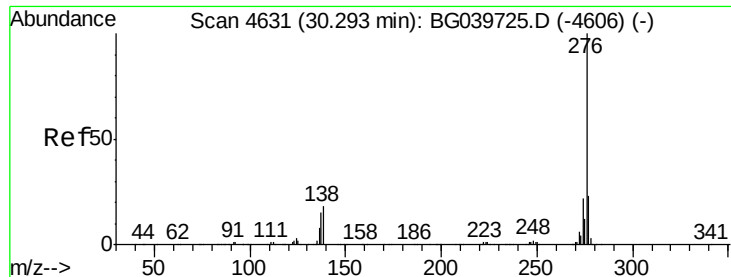
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 0.007 ng
 RT: 30.29 min Scan# 4631
 Delta R.T. -0.02 min
 Lab File: BG039775.D
 Acq: 5 Mar 2019 22:04

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.6	29.4#
138	0.0	14.7	22.1#

