

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032519\
 Data File : BG040127.D
 Acq On : 25 Mar 2019 21:33
 Operator : JU/SJ
 Sample : K2040-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S4B(12-20)

Quant Time: Mar 26 02:56:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	34062	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	148014	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	104616	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	275932	20.00	ng	-0.02
76) Chrysene-d12	21.79	240	286666	20.00	ng	-0.03
87) Perylene-d12	25.15	264	273276	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	248989	124.71	ng	-0.02
7) Phenol-d6	7.29	99	325774	109.43	ng	-0.02
23) Nitrobenzene-d5	9.32	82	239305	87.44	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	146860	120.44	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	583867	79.46	ng	-0.03
79) Terphenyl-d14	20.10	244	1109297	85.20	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	3732	4.049	ng	# 1
4) n-Nitrosodimethylamine	3.93	42	498	0.425	ng	# 1
6) Aniline	7.68	93	447	0.115	ng	# 1
9) Benzaldehyde	7.28	77	698	0.363	ng	# 4
10) Phenol	7.67	94	608	0.189	ng	# 1
11) bis(2-Chloroethyl)ether	7.68	93	447	0.178	ng	# 1
15) Benzyl Alcohol	8.46	79	3067	1.299	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	8.63	45	351	0.070	ng	# 75
19) n-Nitroso-di-n-propylamine	9.32	70	31156	14.540	ng	# 69
22) Acetophenone	8.97	105	450	0.113	ng	# 44
24) Nitrobenzene	9.32	77	732	0.255	ng	# 41
31) Naphthalene	11.01	128	198	0.025	ng	# 69
46) 1,1'-Biphenyl	13.61	154	824	0.096	ng	# 92
48) 2-Nitroaniline	13.38	65	948	0.456	ng	# 1
51) 2,6-Dinitrotoluene	14.76	165	13475	7.266	ng	# 22
52) Acenaphthene	14.76	154	344	0.054	ng	# 5
55) Dibenzofuran	15.17	168	60	0.006	ng	# 45
57) 2,4-Dinitrotoluene	14.76	165	13475	5.171	ng	# 17
58) Fluorene	16.25	166	6172	0.748	ng	# 86
60) Diethylphthalate	15.56	149	134	0.015	ng	# 58
62) 4-Nitroaniline	15.72	138	53	0.026	ng	# 10
63) Azobenzene	16.25	77	685	0.087	ng	# 32
65) 4,6-Dinitro-2-methylphenol	16.25	198	426	0.261	ng	# 18
66) n-Nitrosodiphenylamine	16.25	169	5855	0.733	ng	# 51
67) 4-Bromophenyl-phenylether	16.25	248	11555	3.741	ng	# 1
70) Pentachlorophenol	16.81	266	53	0.026	ng	# 18
71) Phenanthrene	17.56	178	368	0.024	ng	# 59
72) Anthracene	17.56	178	368	0.025	ng	# 60
74) Di-n-butylphthalate	18.45	149	1016	0.065	ng	# 77
75) Fluoranthene	19.57	202	56	0.003	ng	# 63
77) Benzidine	20.10	184	19556	2.150	ng	# 95
78) Pyrene	20.10	202	4410	0.237	ng	# 68
80) Butylbenzylphthalate	20.84	149	55	0.008	ng	# 22
81) Benzo(a)anthracene	21.79	228	796	0.044	ng	# 55

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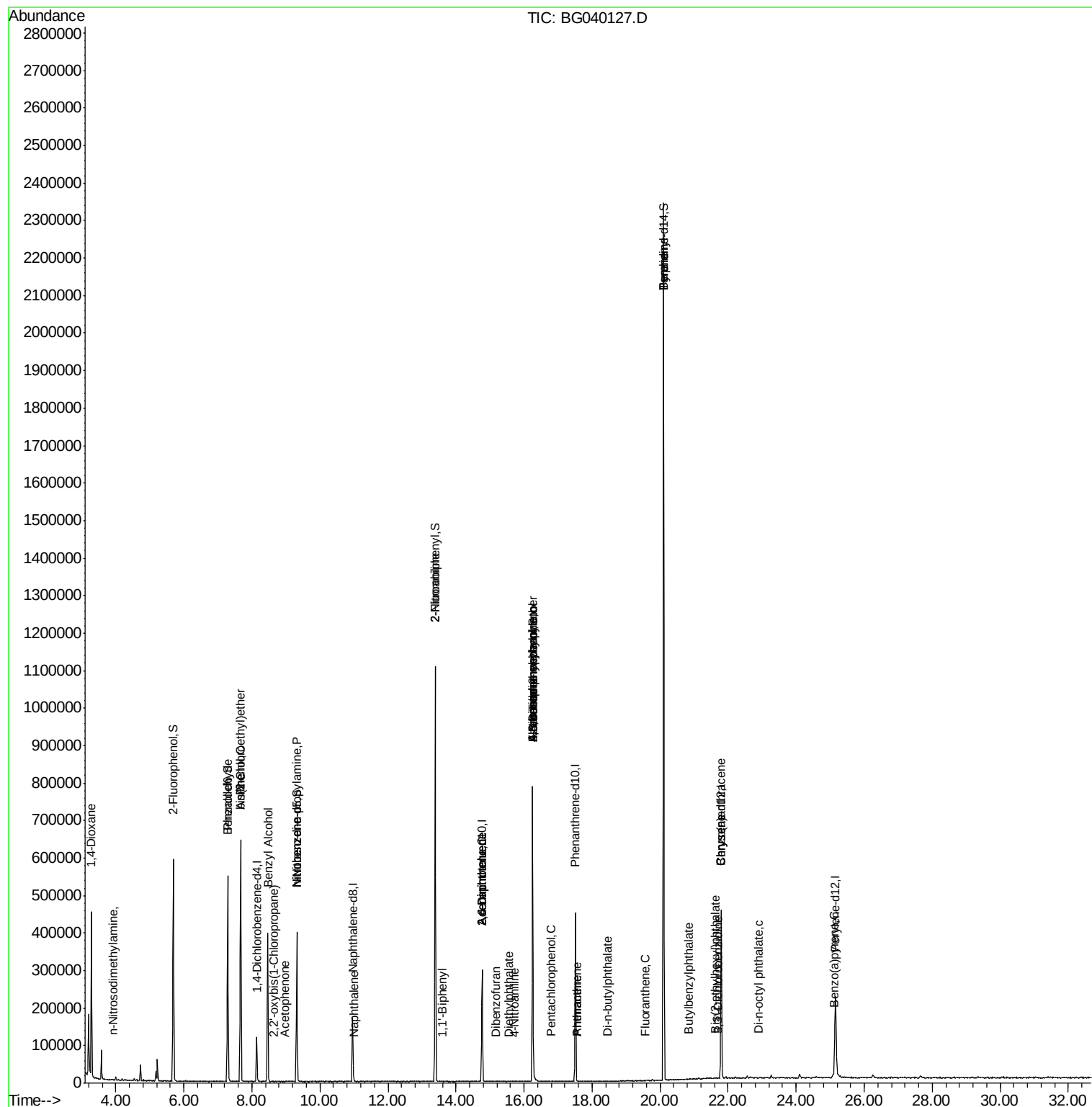
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	21.71	252	66	0.010	ng	# 26
83) Chrysene	21.79	228	796	0.046	ng	# 52
84) Bis(2-ethylhexyl)phthalate	21.64	149	367	0.036	ng	# 52
85) Di-n-octyl phthalate	22.91	149	58	0.003	ng	# 71
90) Benzo(a)pyrene	25.12	252	61	0.004	ng	# 59

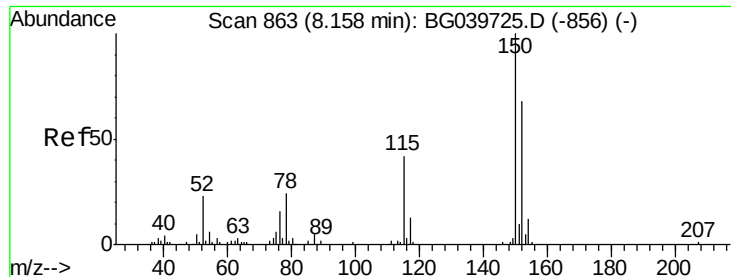
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

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Instrument :

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ClientSampleId :

S4B(12-20)

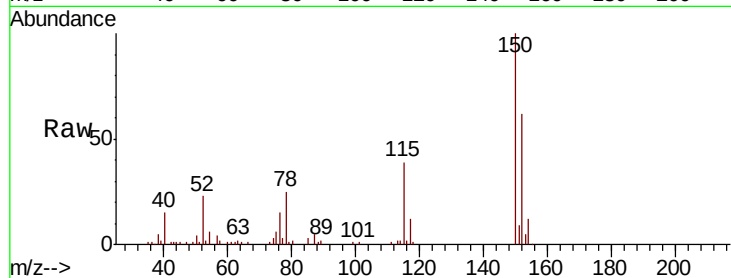
Tgt Ion:152 Resp: 34062

Ion Ratio Lower Upper

152 100

150 160.8 123.7 185.5

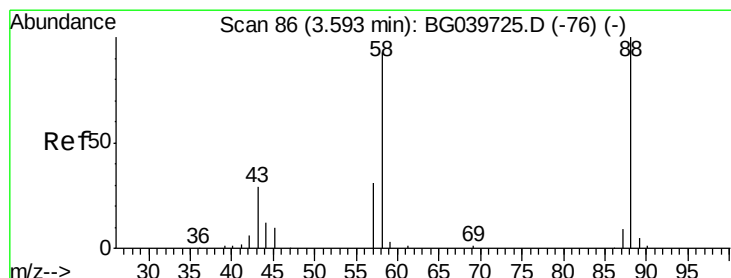
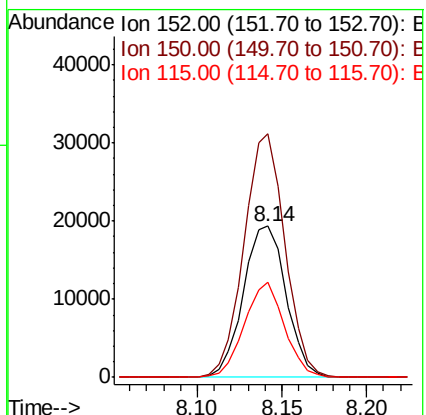
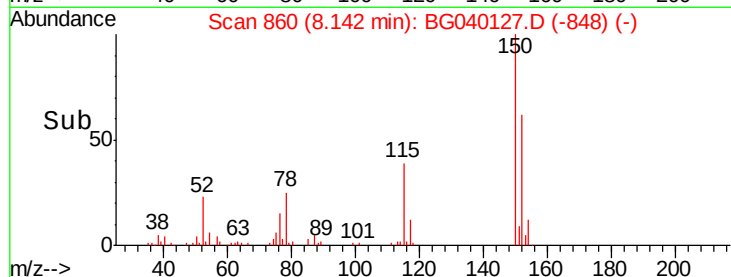
115 62.9 45.9 68.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.049 ng

RT: 3.28 min Scan# 33

Delta R.T. -0.32 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

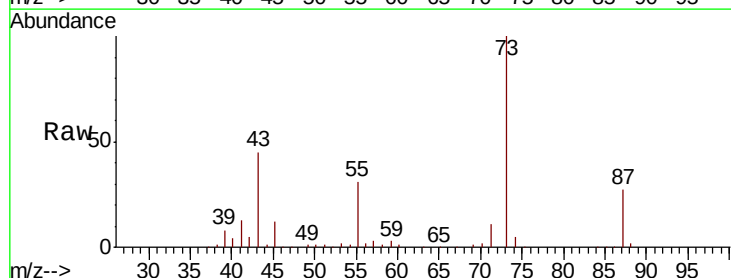
Tgt Ion: 88 Resp: 3732

Ion Ratio Lower Upper

88 100

58 43.0 81.1 121.7#

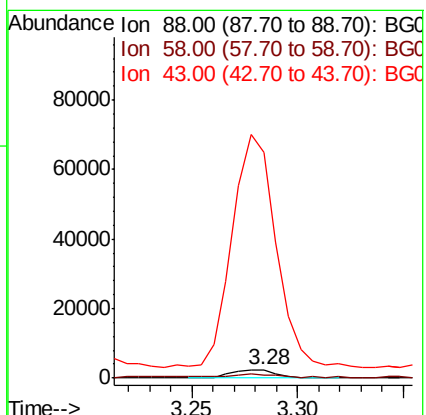
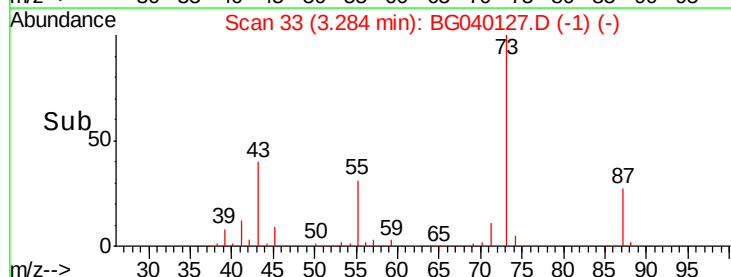
43 2583.6 31.4 47.0#

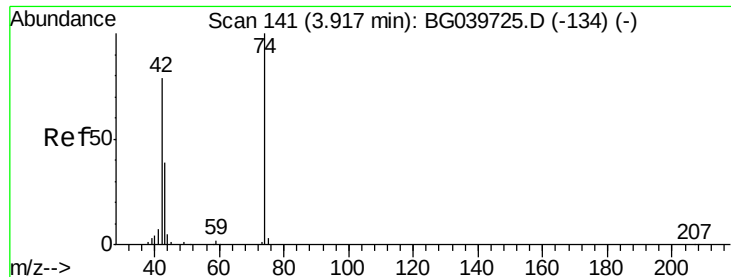


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.425 ng

RT: 3.93 min Scan# 143

Delta R.T. 0.00 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

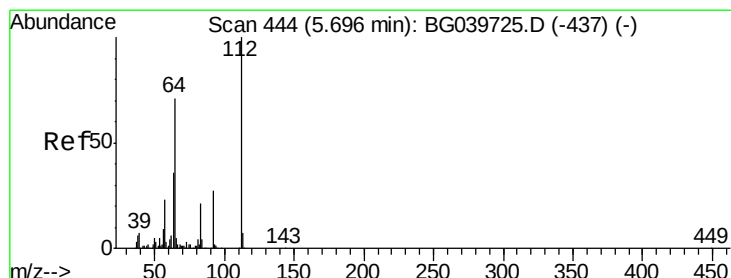
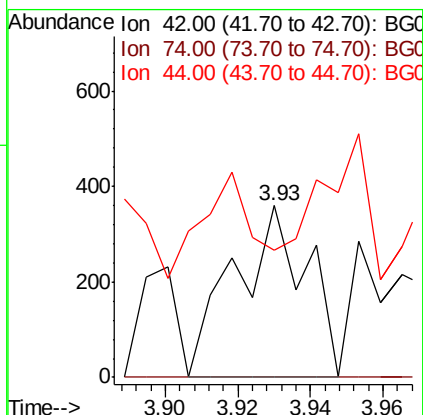
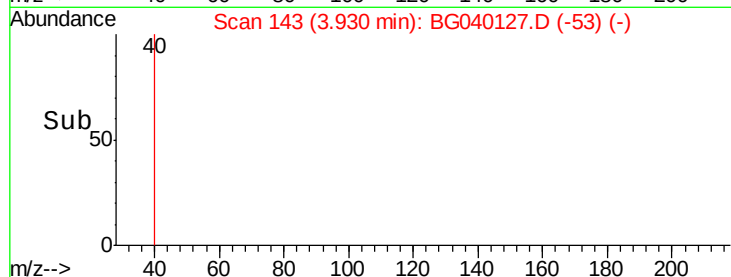
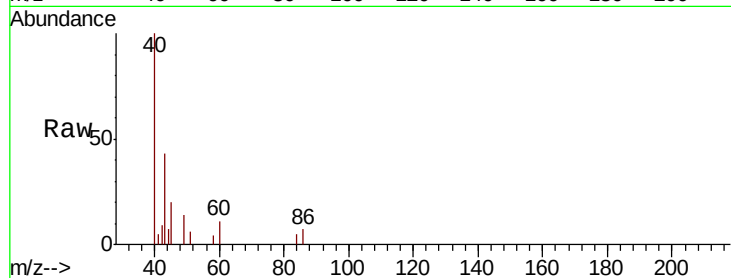
Tgt Ion: 42 Resp: 498

Ion Ratio Lower Upper

42 100

74 0.0 83.6 125.4#

44 73.9 6.9 10.3#



#5

2-Fluorophenol

Concen: 124.707 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

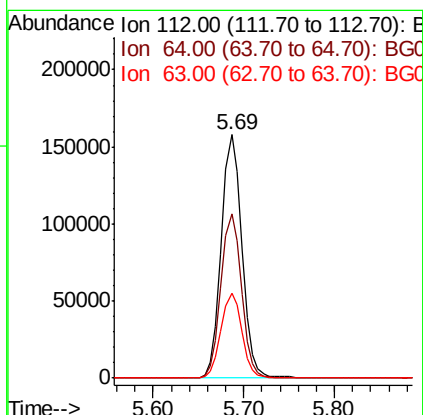
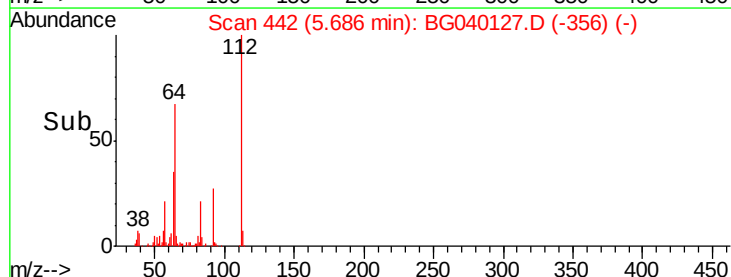
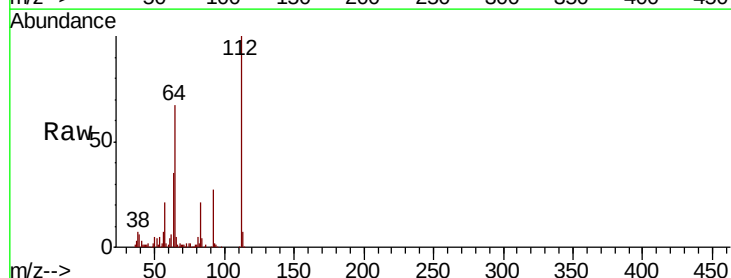
Tgt Ion: 112 Resp: 248989

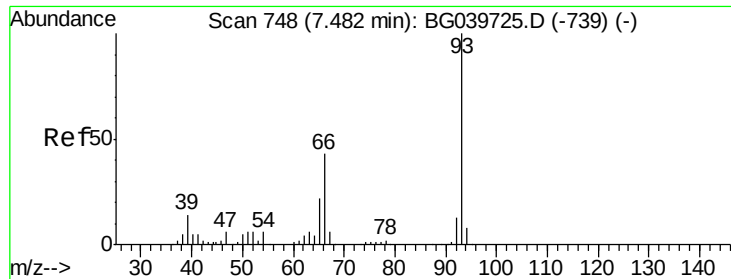
Ion Ratio Lower Upper

112 100

64 67.3 57.8 86.8

63 34.8 29.8 44.6

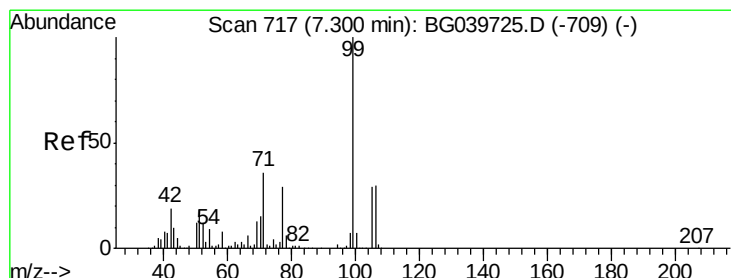
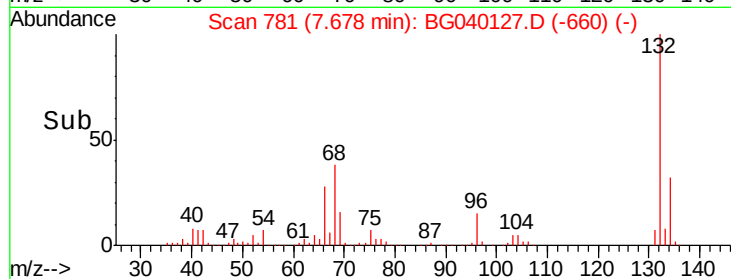
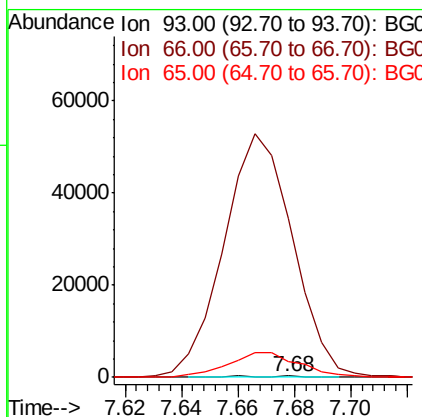
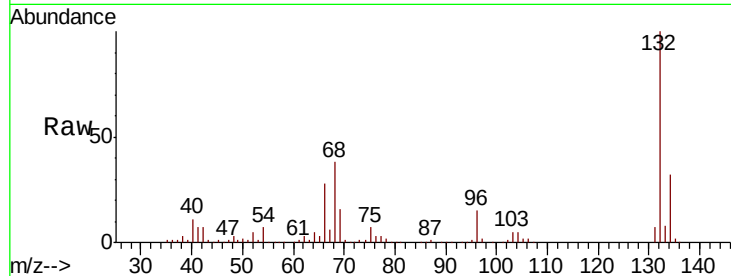




#6
 Aniline
 Concen: 0.115 ng
 RT: 7.68 min Scan# 781
 Delta R.T. 0.18 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

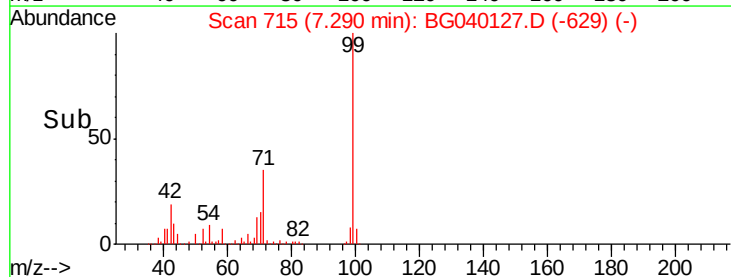
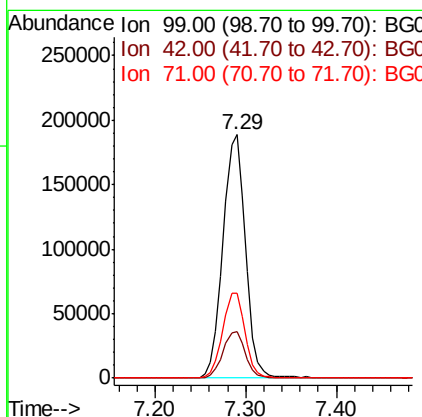
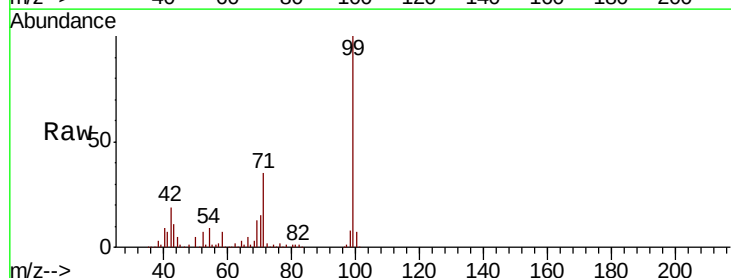
Instrument :
 BNA_G
 ClientSampleId :
 S4B(12-20)

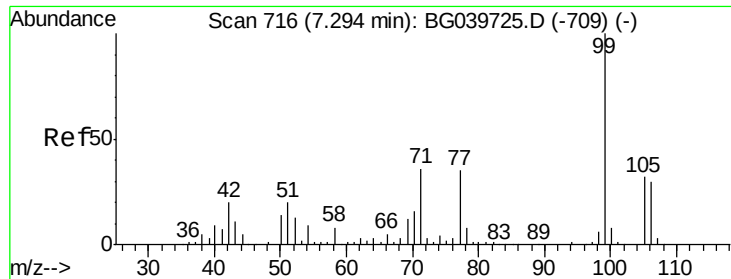
Tgt Ion: 93 Resp: 447
 Ion Ratio Lower Upper
 93 100
 66 13844.2 34.2 51.4#
 65 1425.7 17.7 26.5#



#7
 Phenol-d6
 Concen: 109.429 ng
 RT: 7.29 min Scan# 715
 Delta R.T. -0.02 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

Tgt Ion: 99 Resp: 325774
 Ion Ratio Lower Upper
 99 100
 42 19.3 18.2 27.2
 71 34.9 28.0 42.0





#9

Benzaldehyde

Concen: 0.363 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.03 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampled :

S4B(12-20)

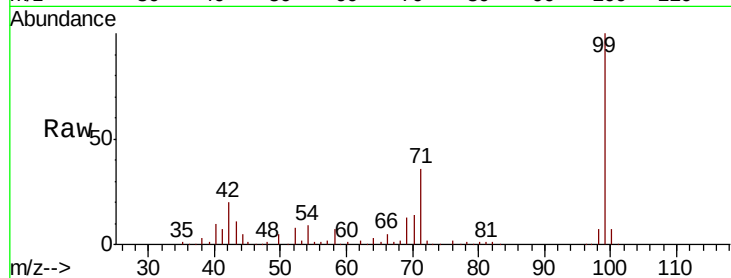
Tgt Ion: 77 Resp: 698

Ion Ratio Lower Upper

77 100

105 0.0 74.5 114.5#

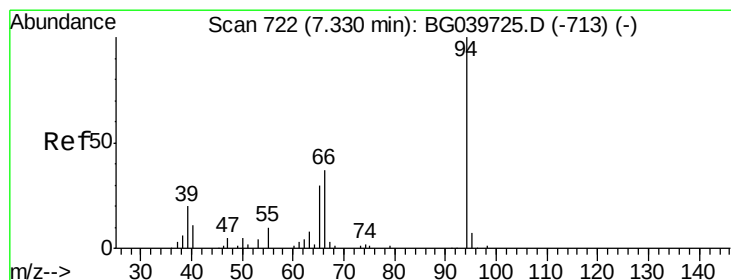
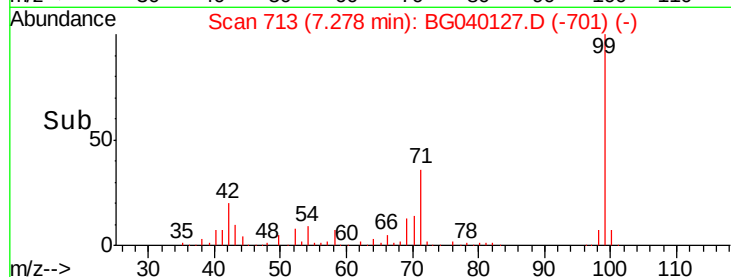
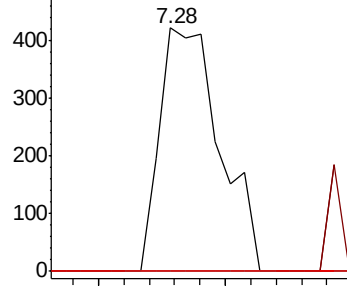
106 0.0 68.0 108.0#



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: 0.189 ng

RT: 7.67 min Scan# 780

Delta R.T. 0.34 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

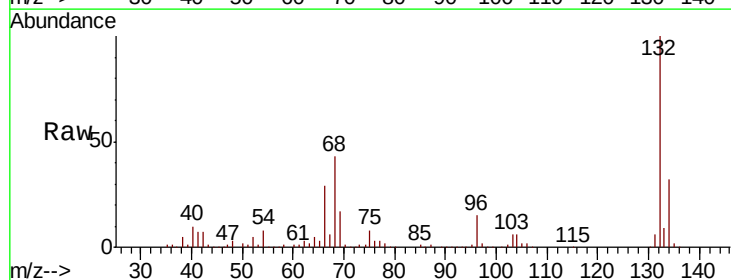
Tgt Ion: 94 Resp: 608

Ion Ratio Lower Upper

94 100

65 1272.0 11.7 51.7#

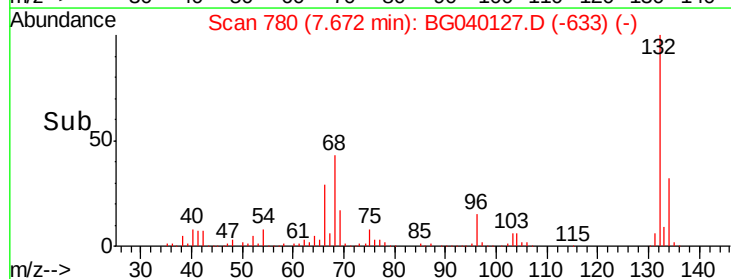
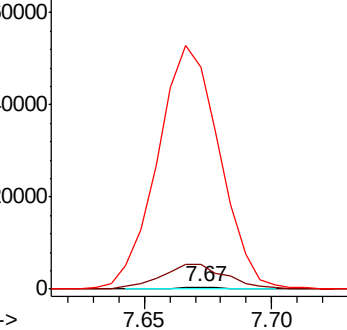
66 11233.6 23.7 63.7#

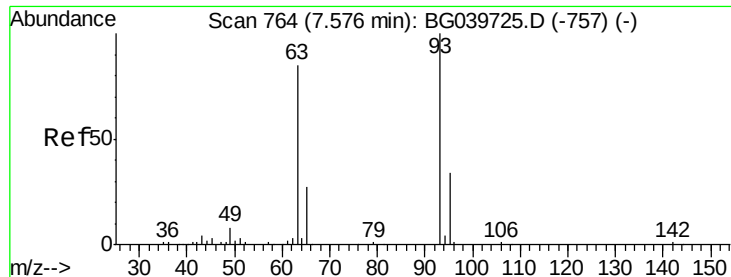


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

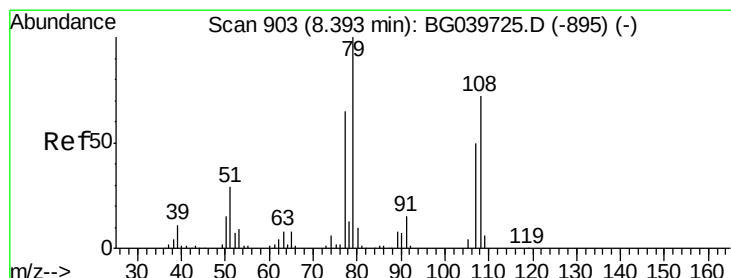
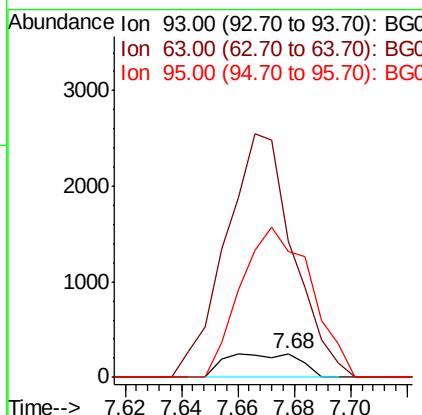
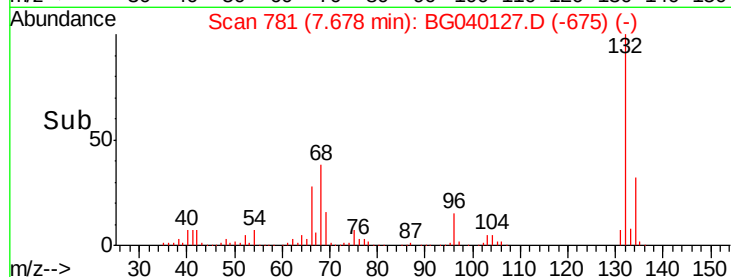
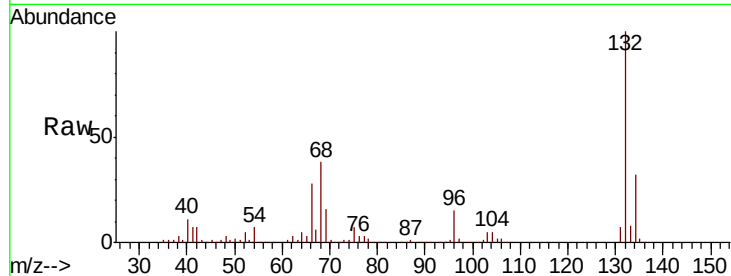




#11
bis(2-Chloroethyl)ether
Concen: 0.178 ng
RT: 7.68 min Scan# 781
Delta R.T. 0.10 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

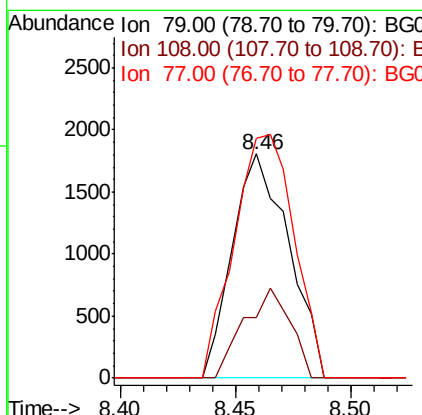
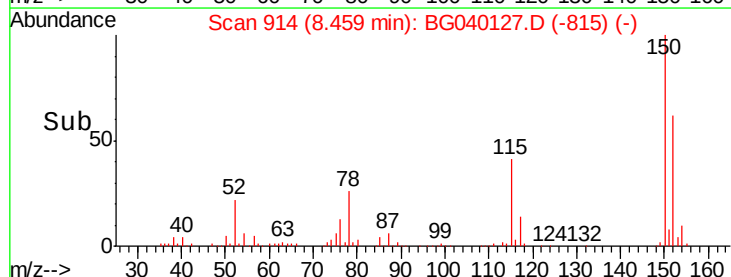
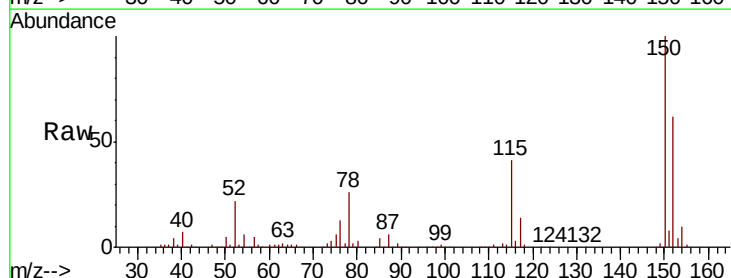
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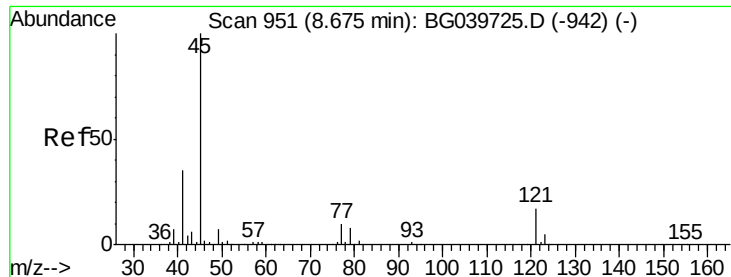
Tgt Ion: 93 Resp: 447
Ion Ratio Lower Upper
93 100
63 572.3 69.5 109.5#
95 526.9 12.7 52.7#



#15
Benzyl Alcohol
Concen: 1.299 ng
RT: 8.46 min Scan# 914
Delta R.T. 0.05 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

Tgt Ion: 79 Resp: 3067
Ion Ratio Lower Upper
79 100
108 26.7 57.8 86.6#
77 106.9 51.1 76.7#

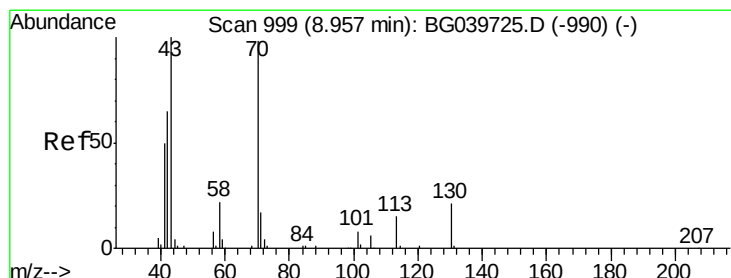
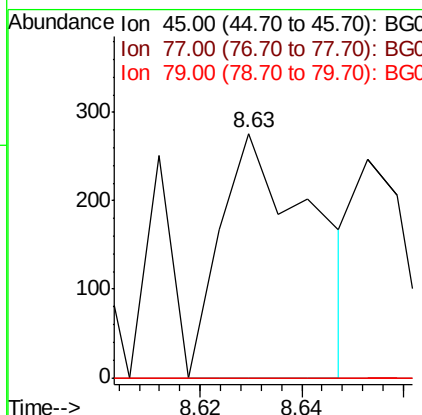
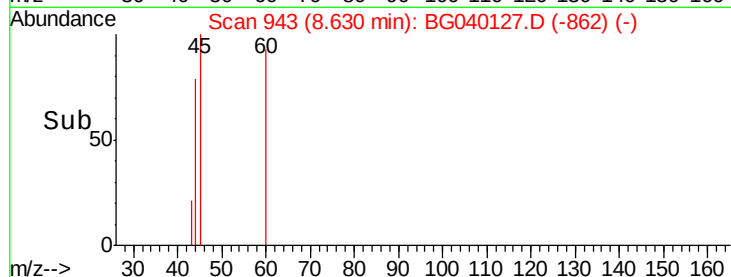
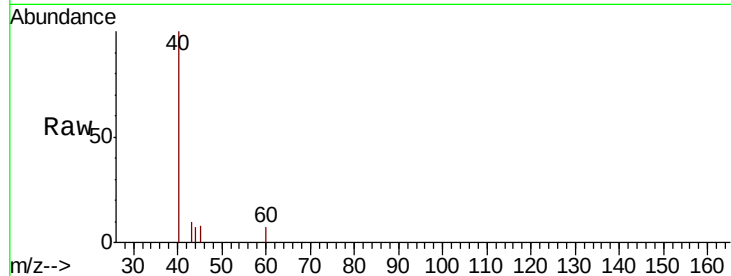




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.070 ng
 RT: 8.63 min Scan# 943
 Delta R.T. -0.05 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

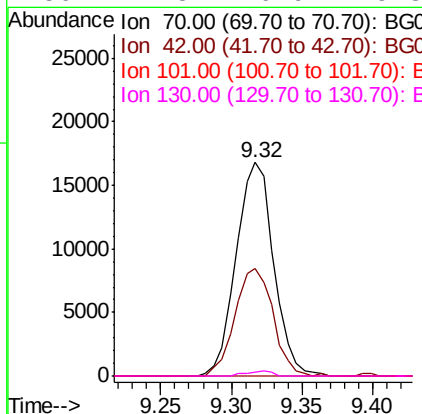
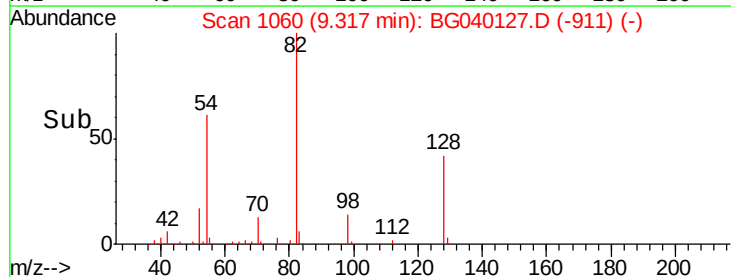
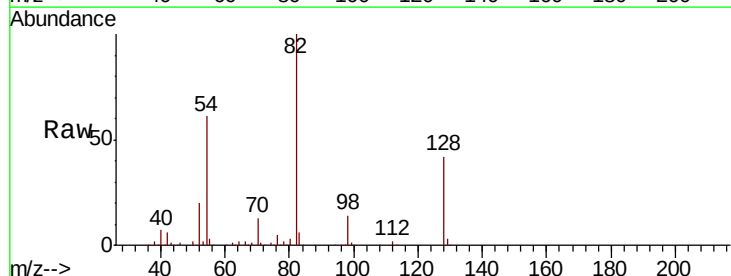
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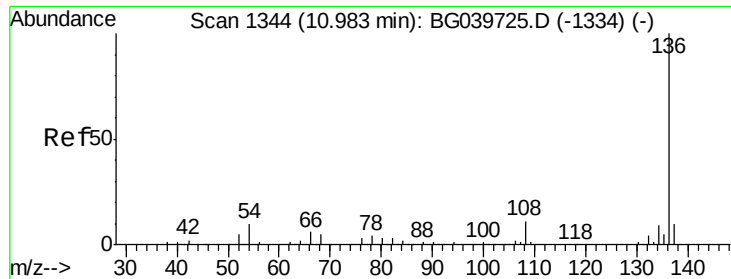
Tgt Ion: 45 Resp: 351
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 30.0
 79 0.0 0.0 27.5



#19
 n-Nitroso-di-n-propylamine
 Concen: 14.540 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. 0.35 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

Tgt Ion: 70 Resp: 31156
 Ion Ratio Lower Upper
 70 100
 42 50.5 60.4 90.6#
 101 0.0 7.5 11.3#
 130 1.8 16.9 25.3#

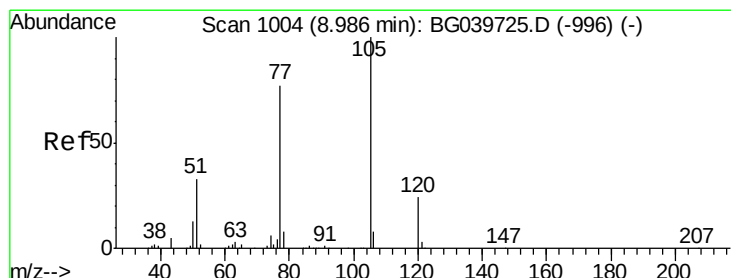
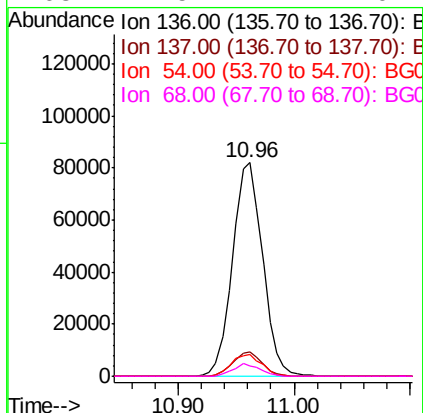
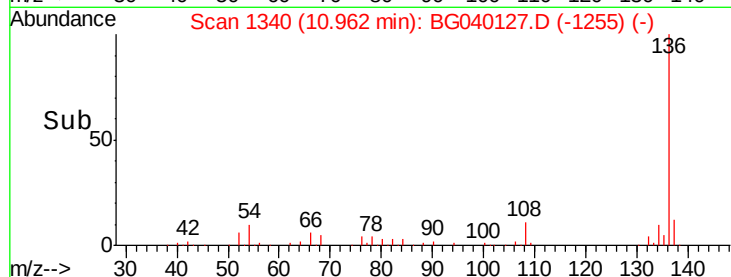
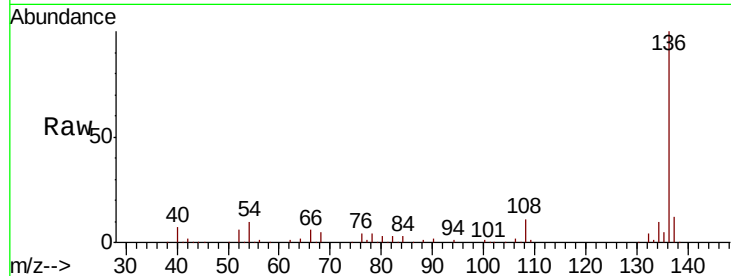




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

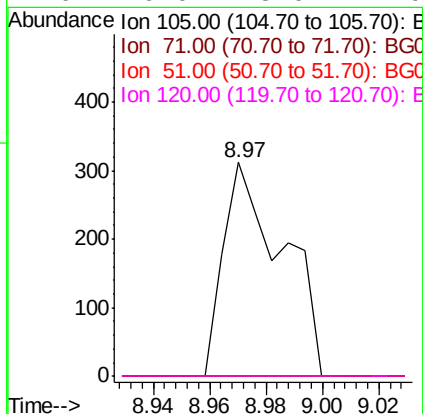
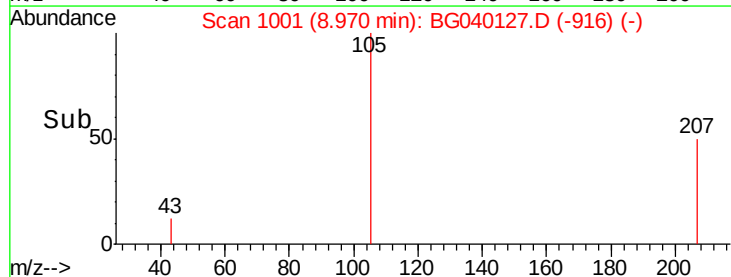
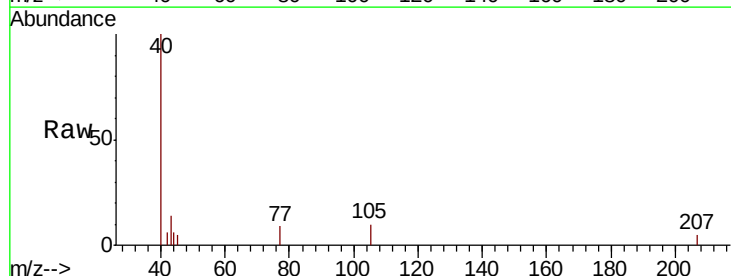
Instrument :
BNA_G
ClientSampleId :
S4B(12-20)

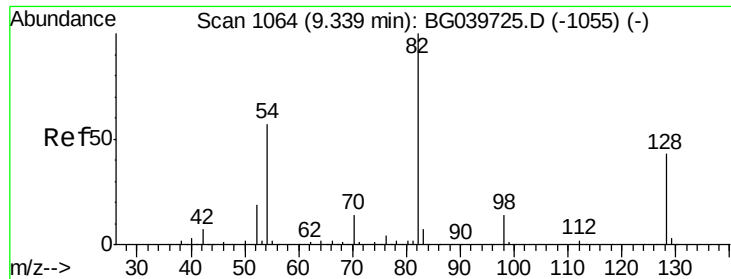
Tgt Ion:	136	Resp:	148014
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	10.0	9.4	14.2
68	4.5	4.2	6.4



#22
Acetophenone
Concen: 0.113 ng
RT: 8.97 min Scan# 1001
Delta R.T. -0.03 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

Tgt Ion:	105	Resp:	450
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.8	1.2#
51	0.0	30.2	45.2#
120	0.0	18.0	27.0#

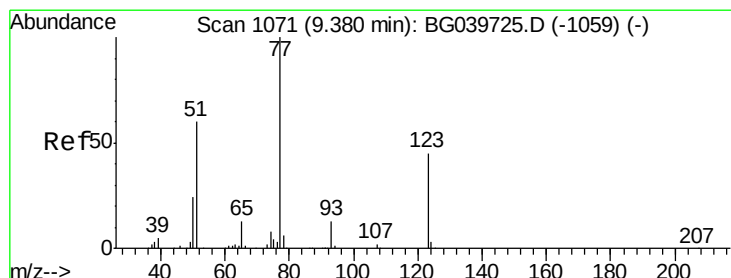
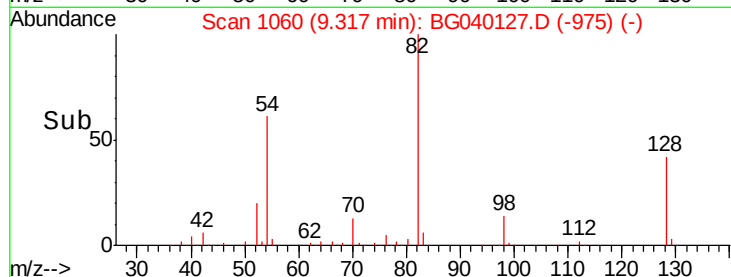
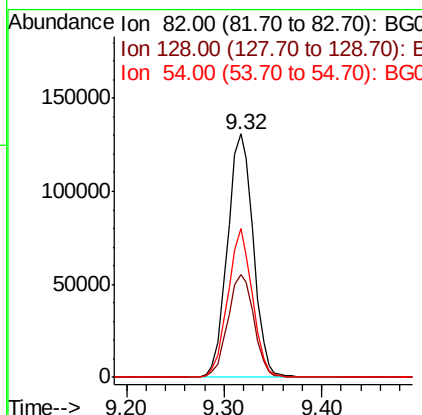
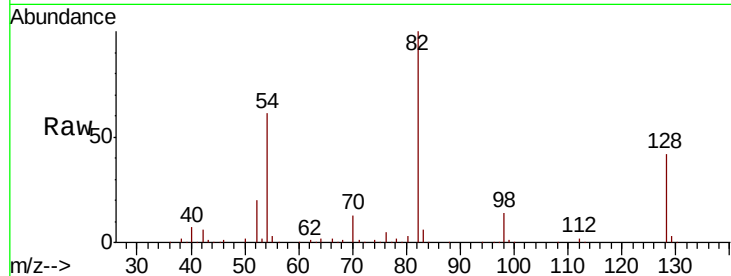




#23
 Nitrobenzene-d5
 Concen: 87.442 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

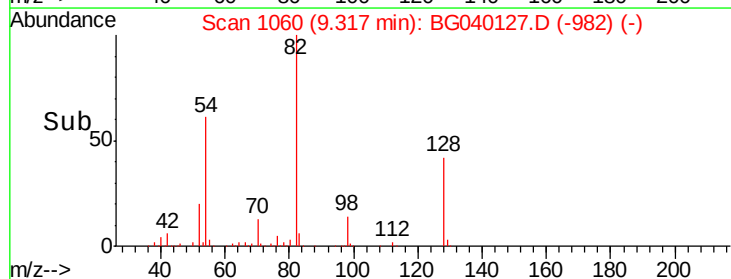
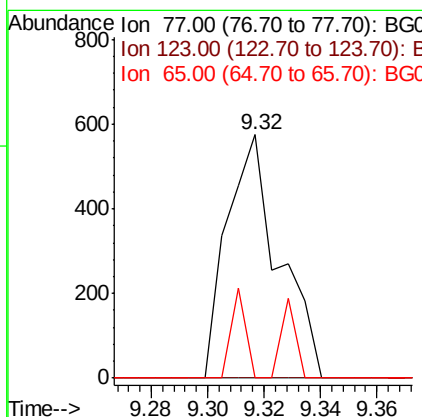
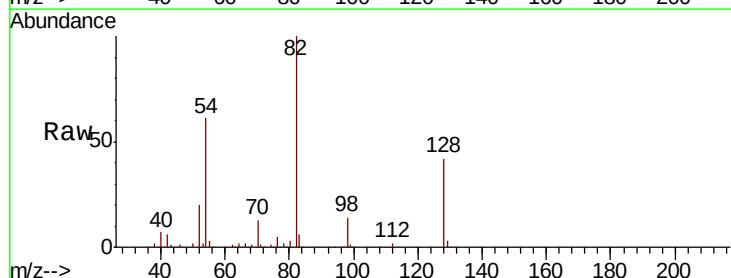
Instrument :
 BNA_G
 ClientSampleId :
 S4B(12-20)

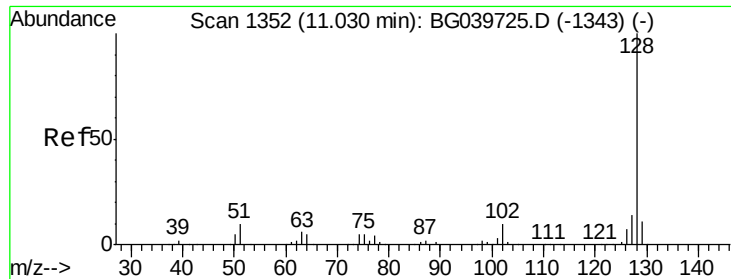
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.4	31.3	46.9
54	61.2	50.9	76.3



#24
 Nitrobenzene
 Concen: 0.255 ng
 RT: 9.32 min Scan# 1060
 Delta R.T. -0.07 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

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

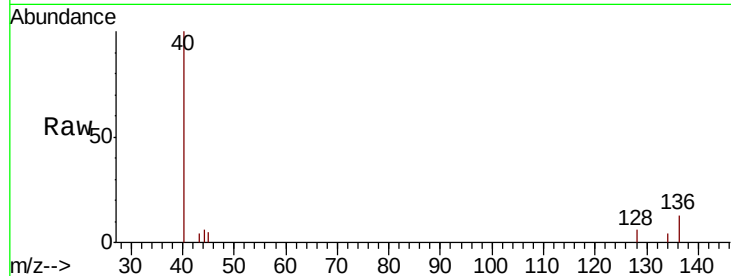




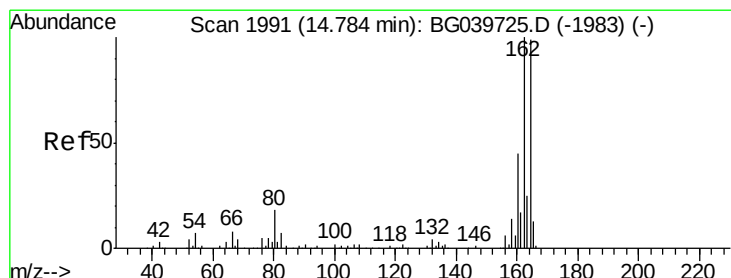
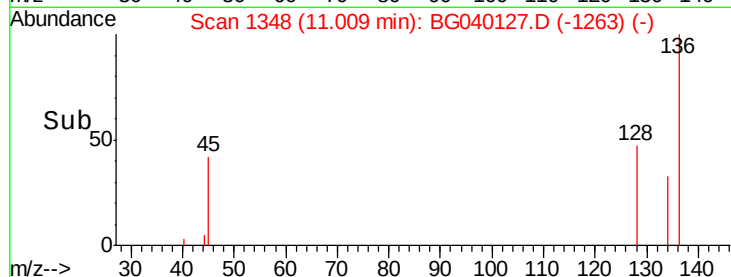
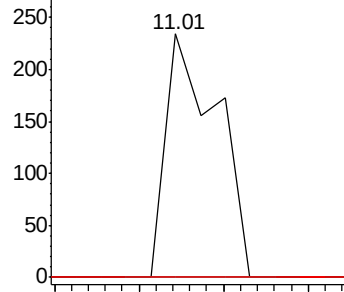
#31
Naphthalene
Concen: 0.025 ng
RT: 11.01 min Scan# 1348
Delta R.T. -0.03 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

Instrument :
BNA_G
ClientSampleId :
S4B(12-20)

Tgt Ion:128 Resp: 198
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.8 16.2#

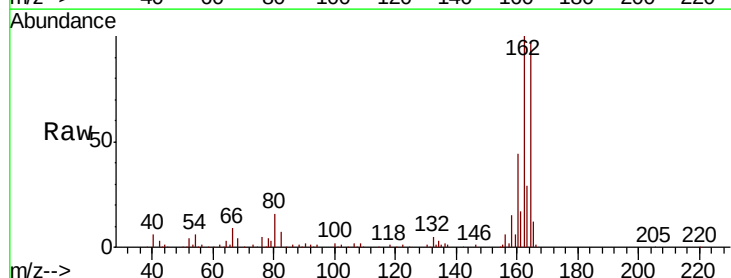


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

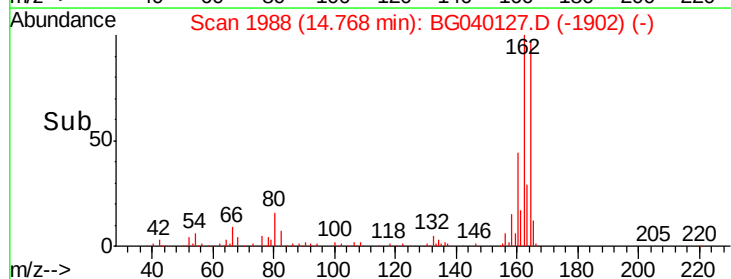
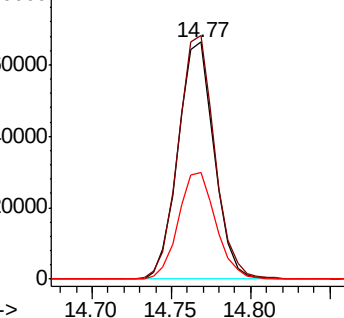


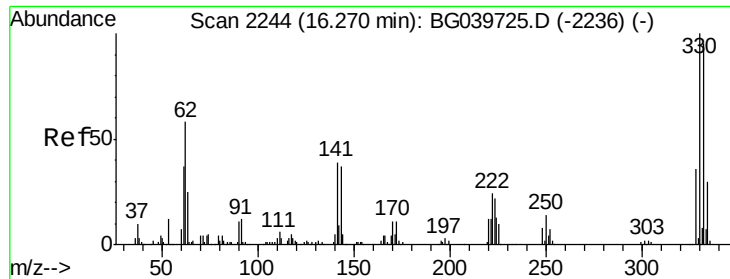
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

Tgt Ion:164 Resp: 104616
Ion Ratio Lower Upper
164 100
162 102.8 81.6 122.4
160 44.9 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 120.439 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

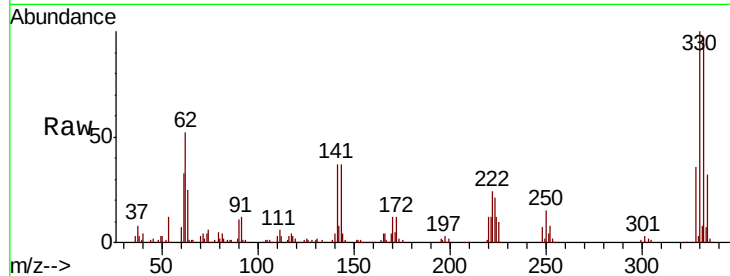
Tgt Ion:330 Resp: 146860

Ion Ratio Lower Upper

330 100

332 96.7 75.7 113.5

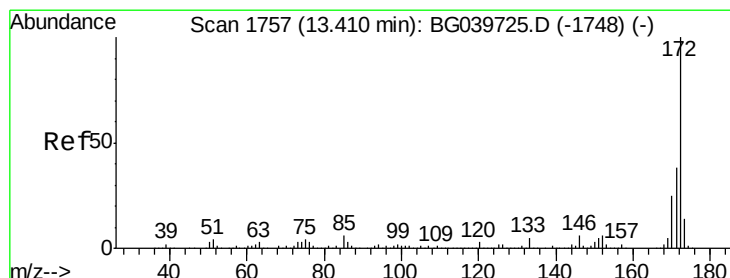
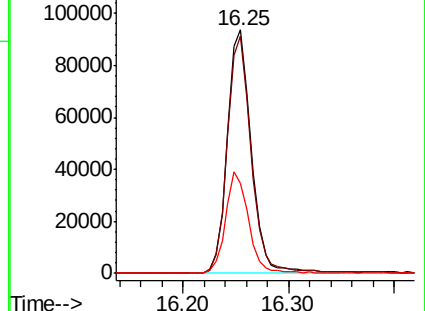
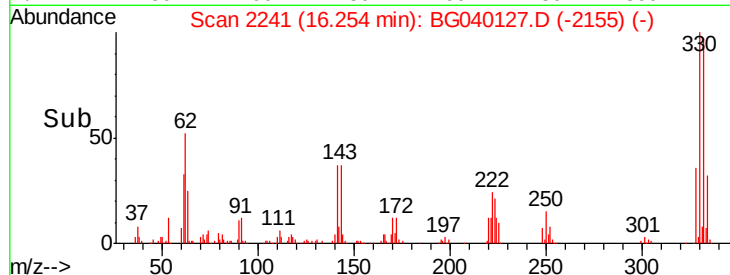
141 40.6 35.6 53.4



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: 79.465 ng

RT: 13.39 min Scan# 1753

Delta R.T. -0.03 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

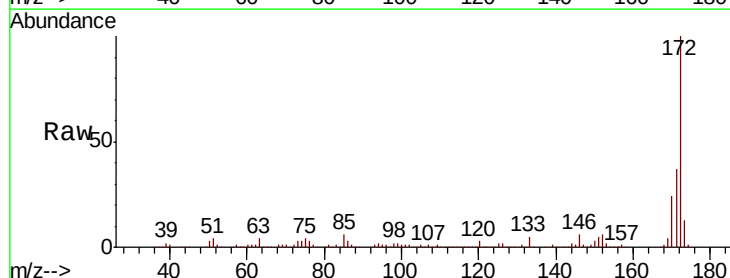
Tgt Ion:172 Resp: 583867

Ion Ratio Lower Upper

172 100

171 36.9 30.8 46.2

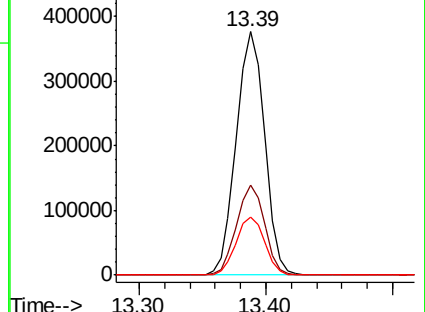
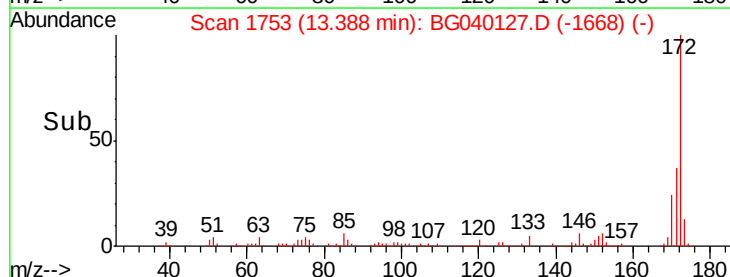
170 23.9 20.2 30.4

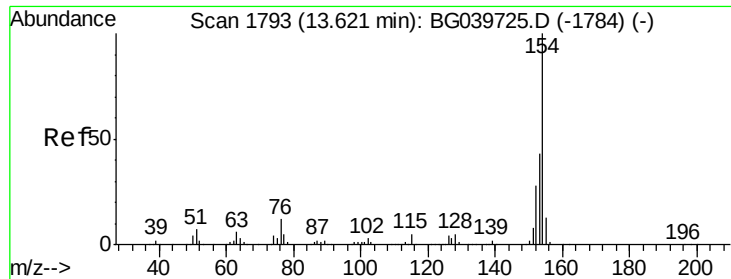


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

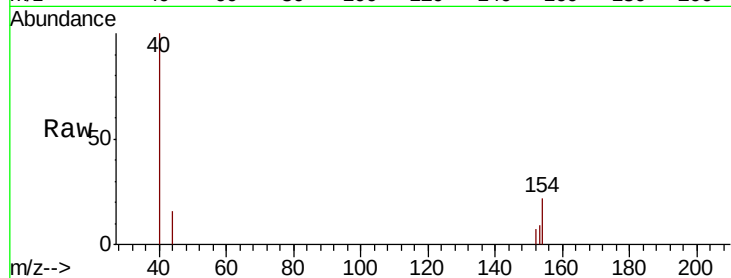




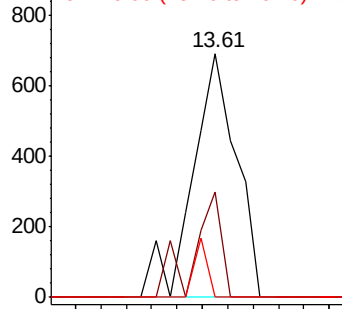
#46
1,1'-Biphenyl
Concen: 0.096 ng
RT: 13.61 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

Instrument :
BNA_G
ClientSampleId :
S4B(12-20)

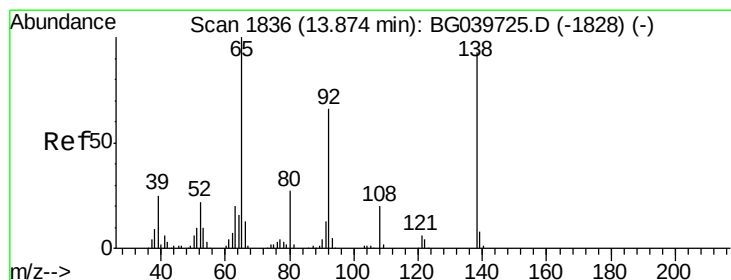
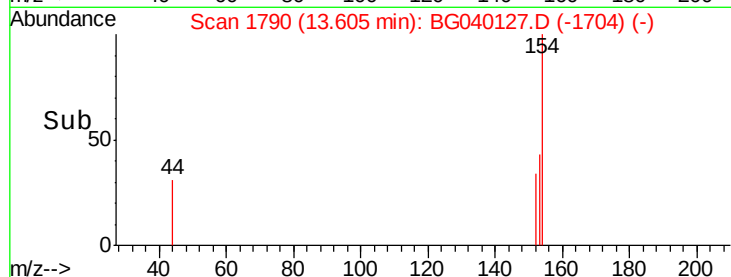
Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.1	22.1	62.1
76	0.0	0.0	32.4



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): BGC

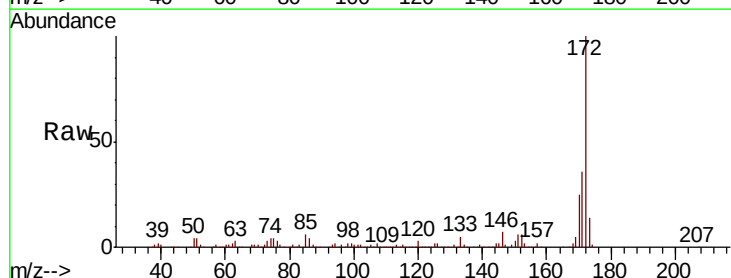


Time-->

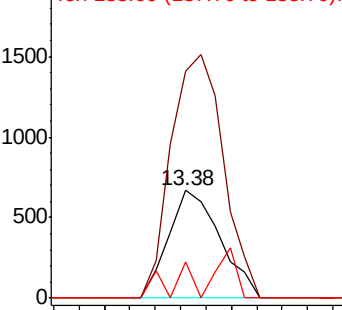


#48
2-Nitroaniline
Concen: 0.456 ng
RT: 13.38 min Scan# 1752
Delta R.T. -0.50 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

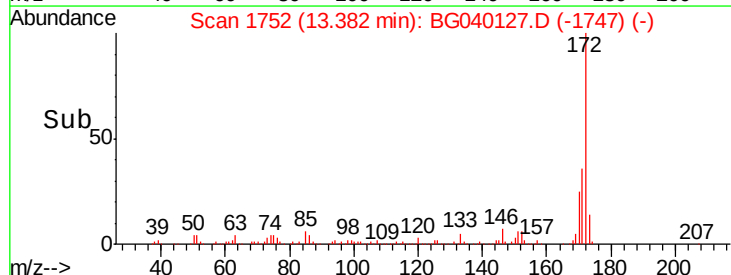
Tgt Ion	Ratio	Lower	Upper
65	100		
92	211.2	51.4	77.2#
138	33.3	71.4	107.2#

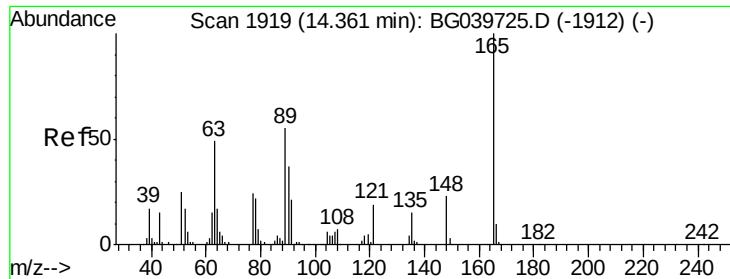


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E



Time-->





#51

2,6-Dinitrotoluene

Concen: 7.266 ng

RT: 14.76 min Scan# 1987

Delta R.T. 0.39 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

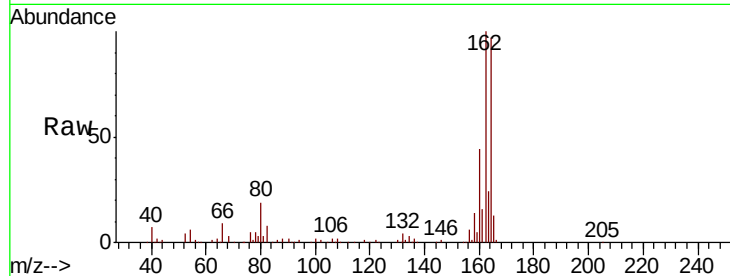
Tgt Ion:165 Resp: 13475

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

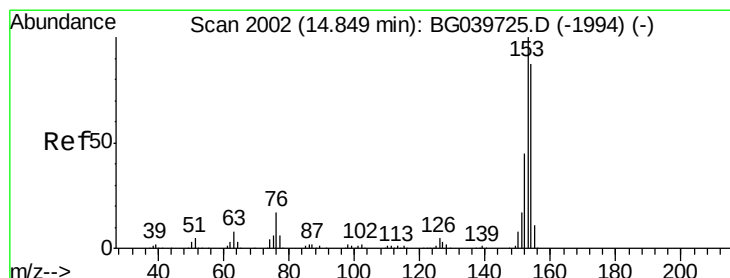
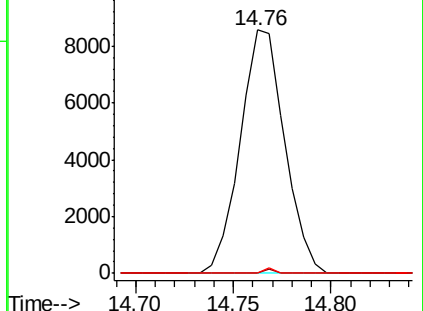
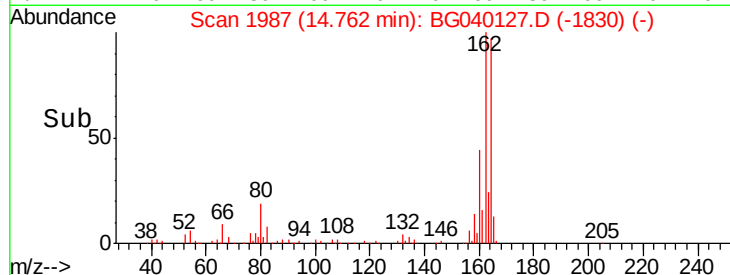
89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#52

Acenaphthene

Concen: 0.054 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.09 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

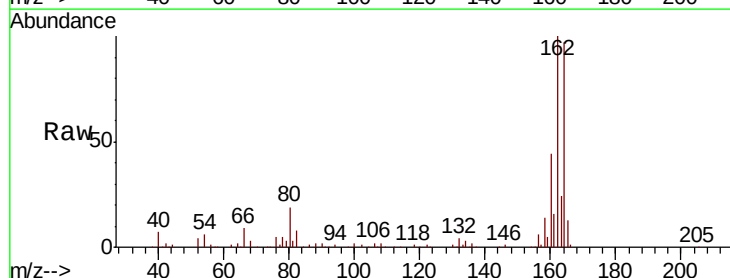
Tgt Ion:154 Resp: 344

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

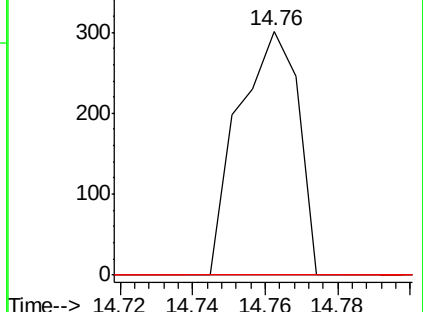
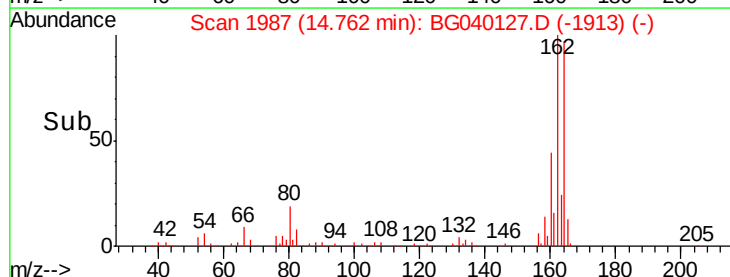
152 0.0 40.9 61.3#

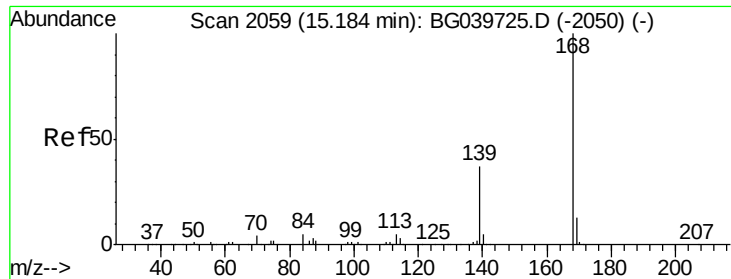


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 0.006 ng

RT: 15.17 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

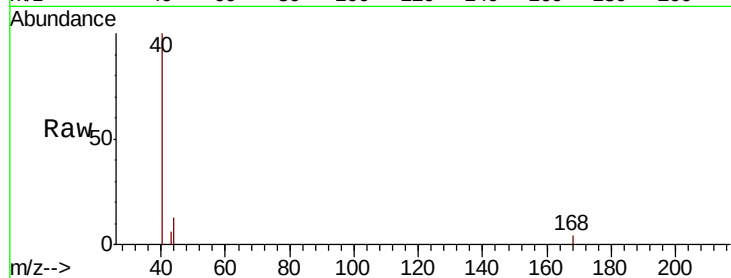
Tgt Ion:168 Resp: 60

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

169 0.0 10.6 16.0#

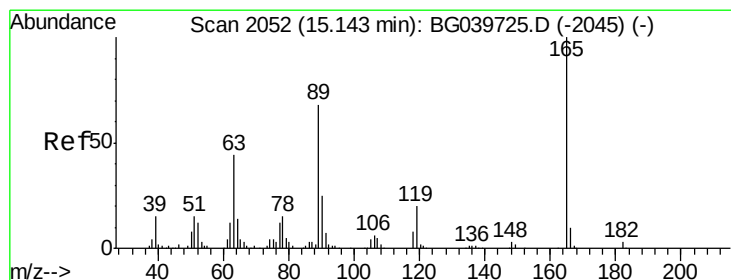
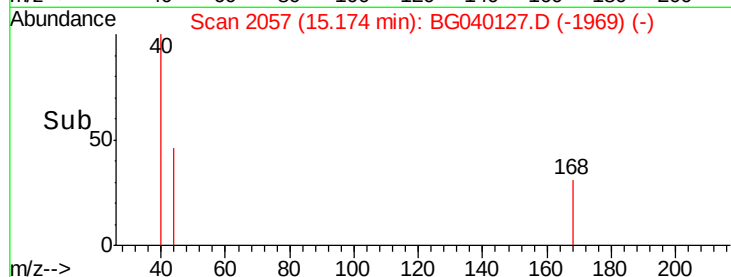
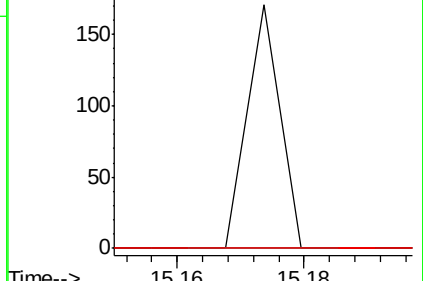


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

15.17



#57

2,4-Dinitrotoluene

Concen: 5.171 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.39 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Tgt Ion:165 Resp: 13475

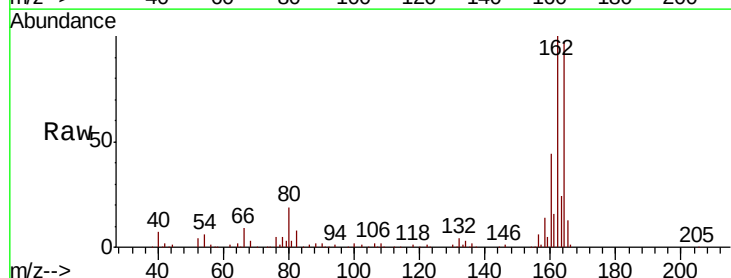
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#



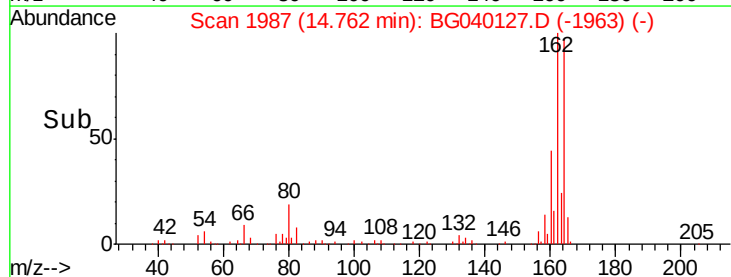
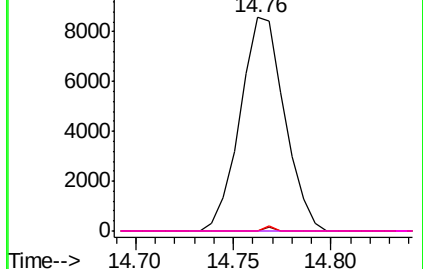
Abundance Ion 165.00 (164.70 to 165.70): E

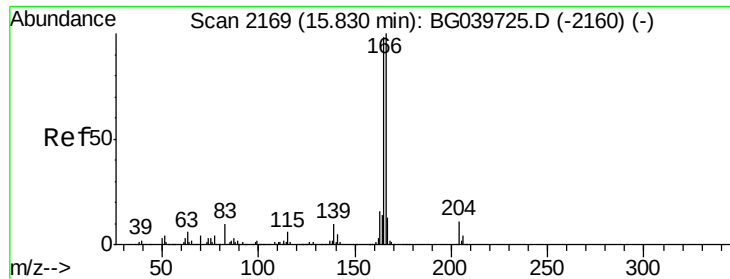
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

14.76





#58

Fluorene

Concen: 0.748 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.41 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

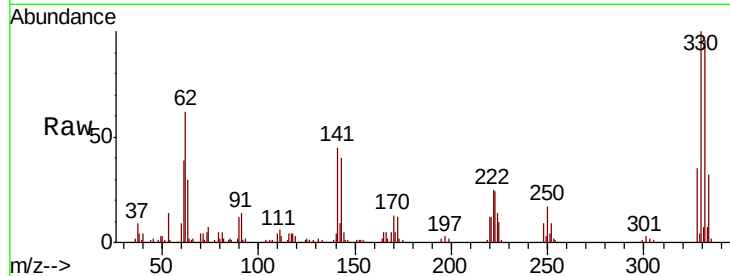
Tgt Ion:166 Resp: 6172

Ion Ratio Lower Upper

166 100

165 104.7 77.9 116.9

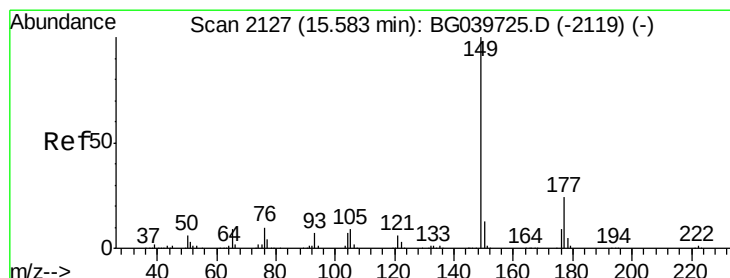
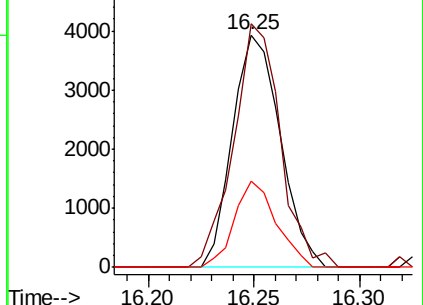
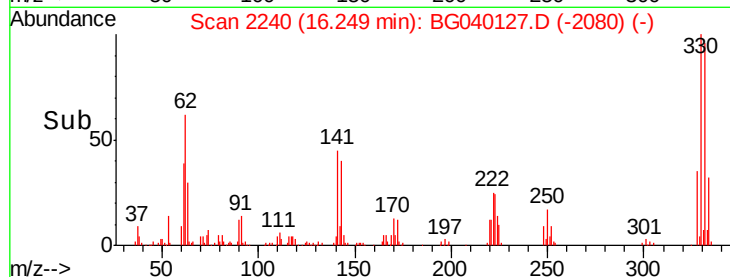
167 36.9 10.8 16.2#



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: 0.015 ng

RT: 15.56 min Scan# 2123

Delta R.T. -0.03 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

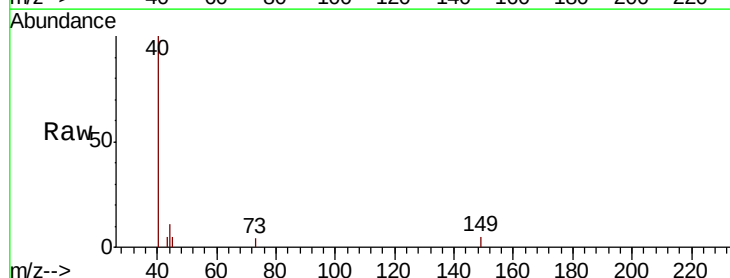
Tgt Ion:149 Resp: 134

Ion Ratio Lower Upper

149 100

177 0.0 18.3 27.5#

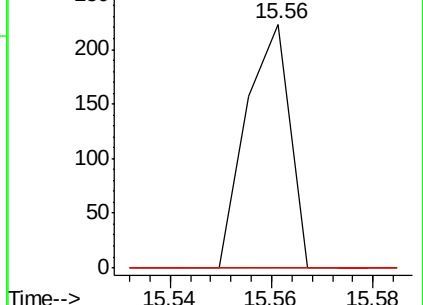
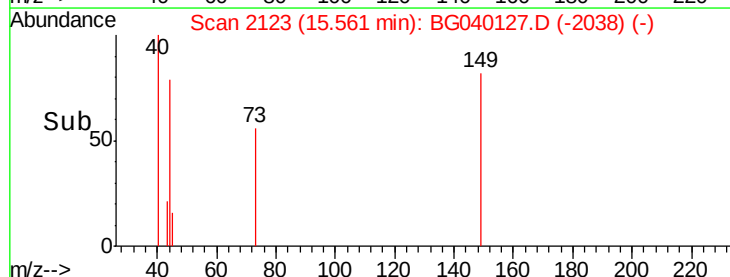
150 0.0 10.2 15.2#

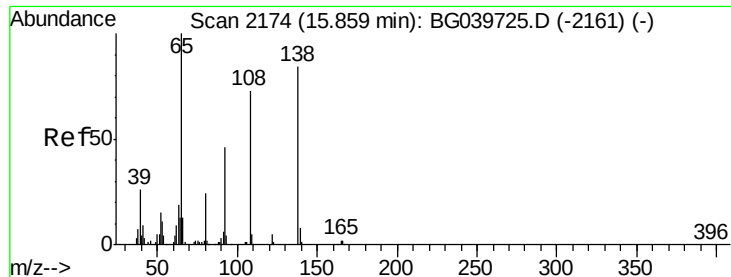


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

4-Nitroaniline

Concen: 0.026 ng

RT: 15.72 min Scan# 2150

Delta R.T. -0.15 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

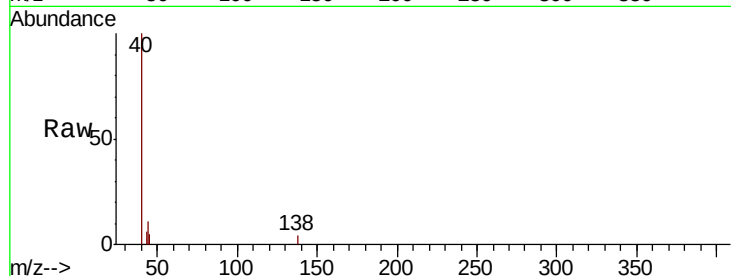
Tgt Ion:138 Resp: 53

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

15.72

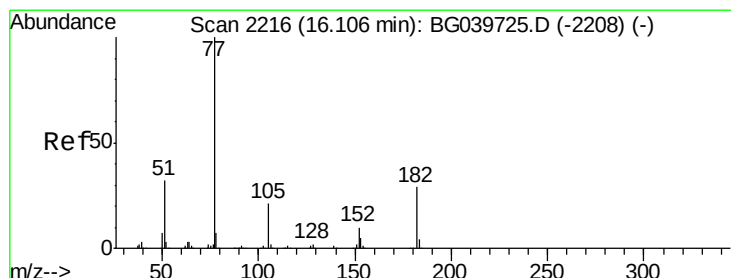
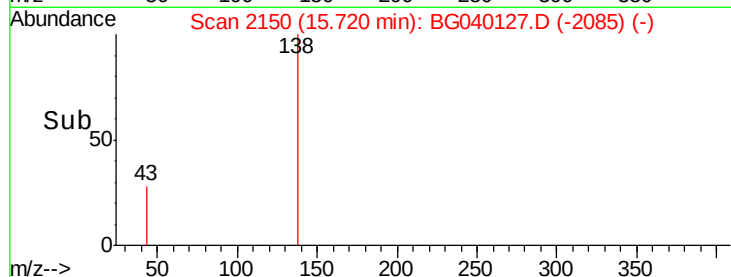
100

50

0

15.70 15.72

Time-->



#63

Azobenzene

Concen: 0.087 ng

RT: 16.25 min Scan# 2240

Delta R.T. 0.14 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Tgt Ion: 77 Resp: 685

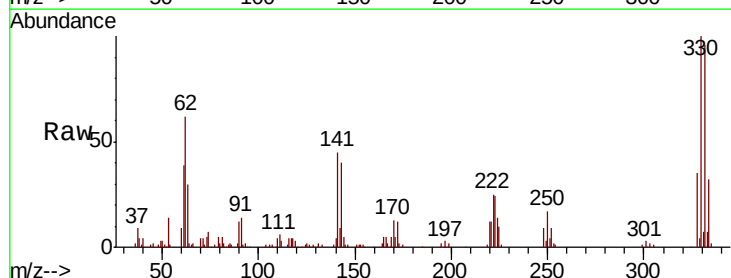
Ion Ratio Lower Upper

77 100

182 0.0 6.4 46.4#

105 48.9 0.0 39.8#

51 81.7 14.1 54.1#



Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG

16.25

1000

800

600

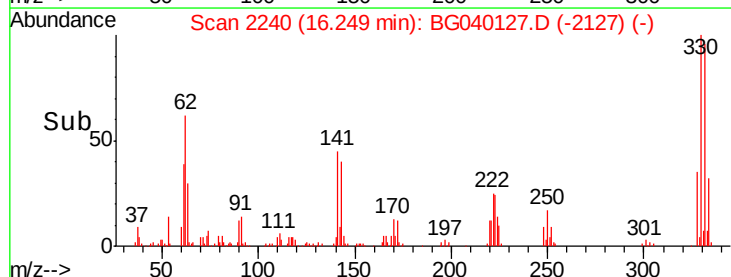
400

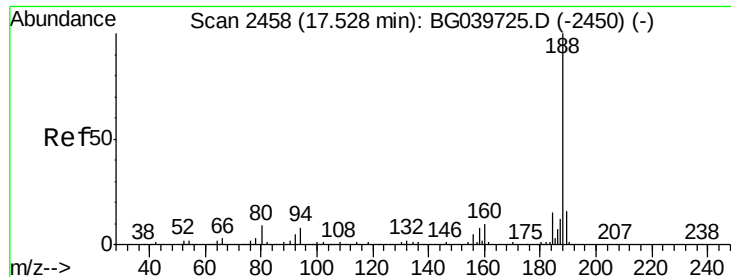
200

0

16.25

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.51 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

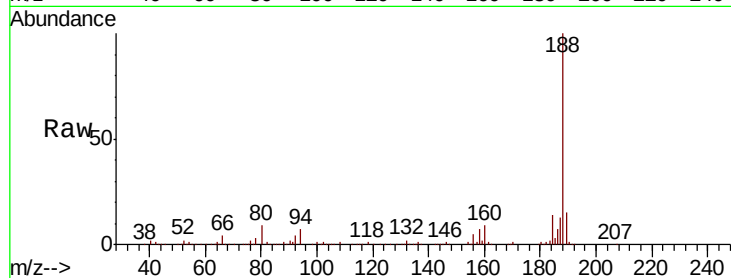
Tgt Ion:188 Resp: 275932

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

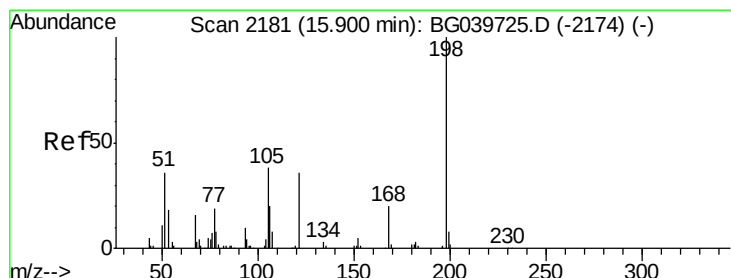
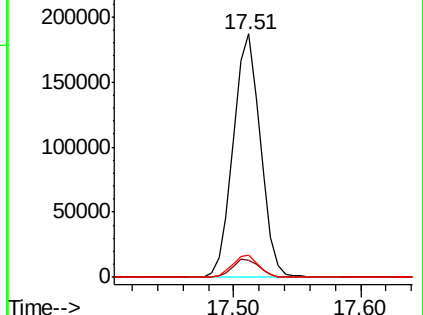
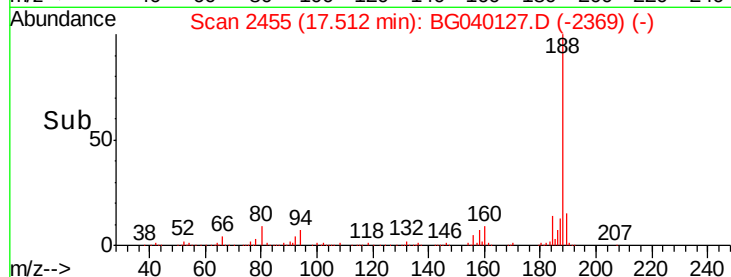
80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 0.261 ng

RT: 16.25 min Scan# 2241

Delta R.T. 0.35 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

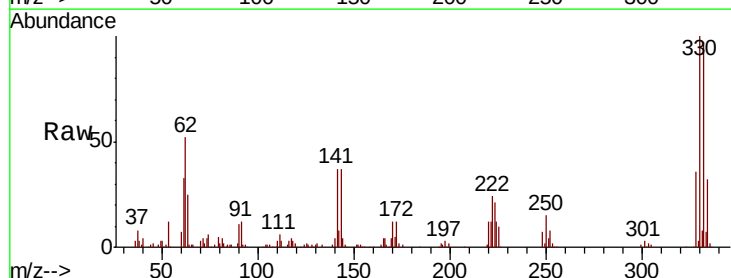
Tgt Ion:198 Resp: 426

Ion Ratio Lower Upper

198 100

51 85.8 27.4 67.4#

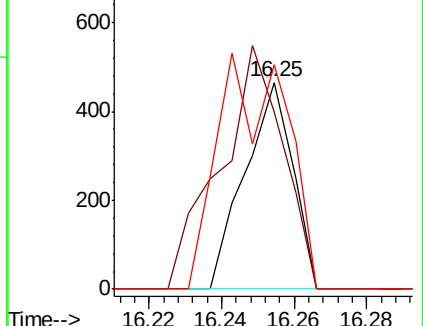
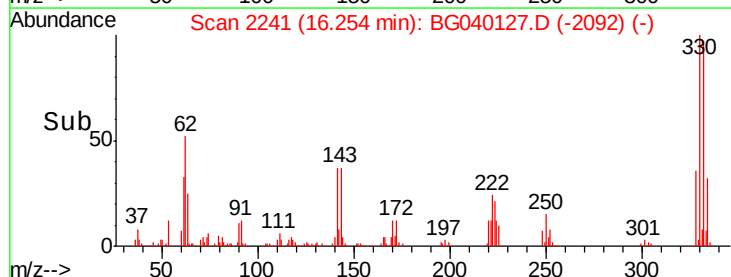
105 108.6 19.7 59.7#

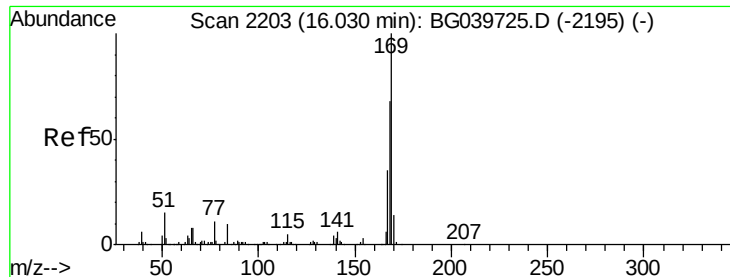


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

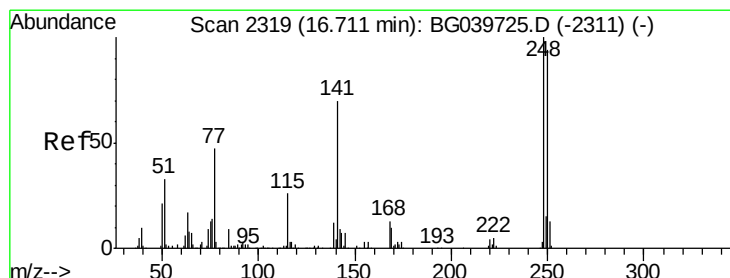
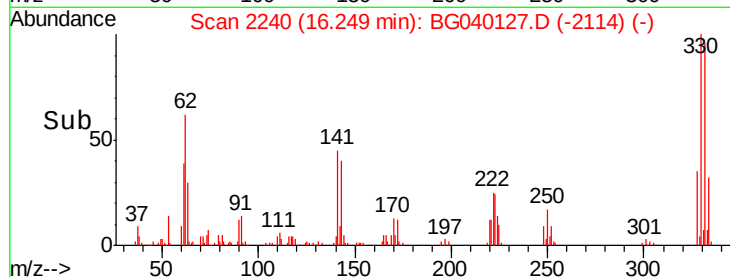
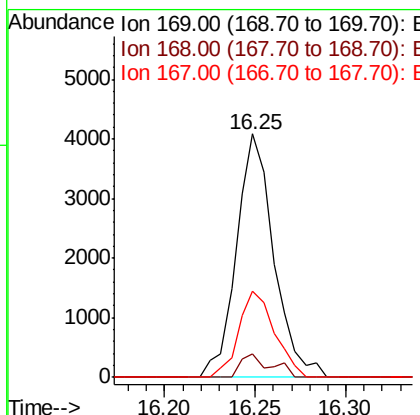
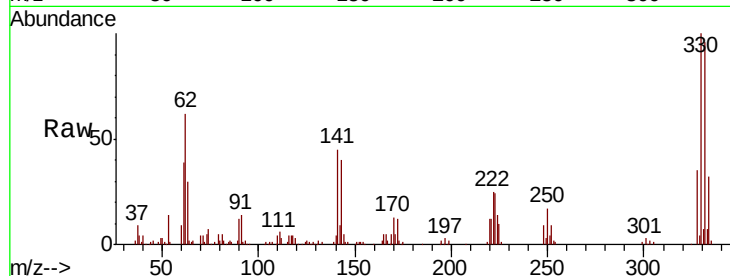




#66
 n-Nitrosodiphenylamine
 Concen: 0.733 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. 0.21 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

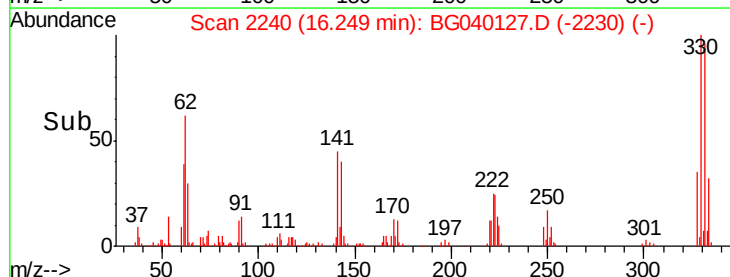
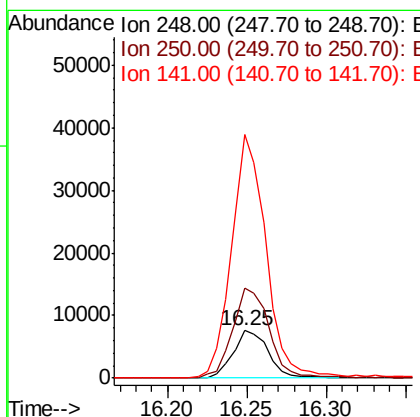
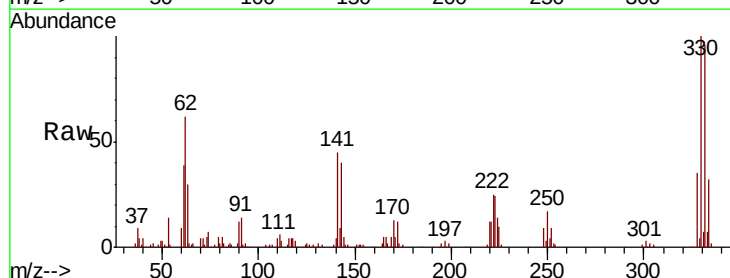
Instrument :
 BNA_G
 ClientSampleId :
 S4B(12-20)

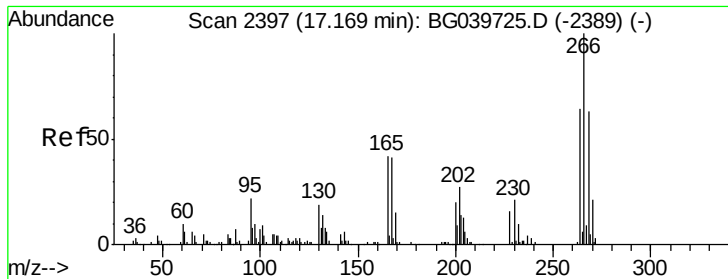
Tgt Ion:169 Resp: 5855
 Ion Ratio Lower Upper
 169 100
 168 9.7 56.6 85.0#
 167 35.5 28.8 43.2



#67
 4-Bromophenyl-phenylether
 Concen: 3.741 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.47 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

Tgt Ion:248 Resp: 11555
 Ion Ratio Lower Upper
 248 100
 250 189.5 77.6 116.4#
 141 512.4 63.9 95.9#

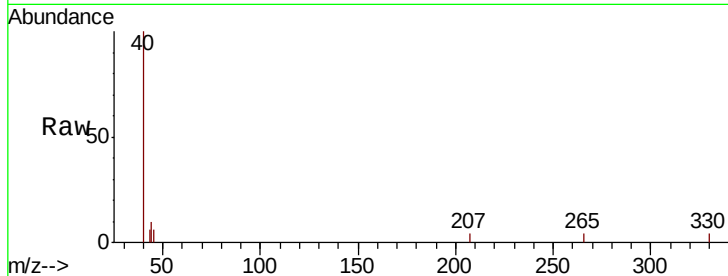




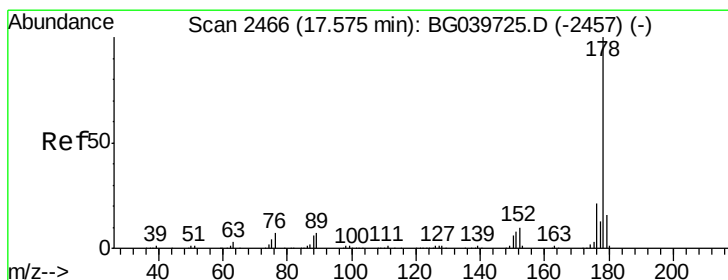
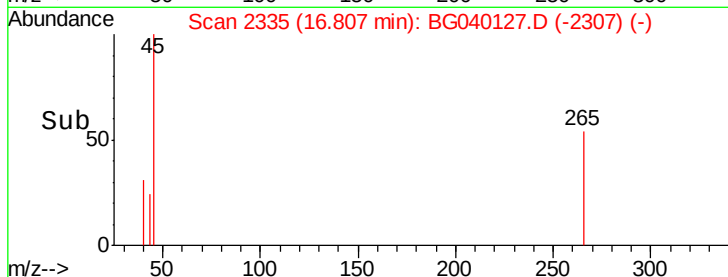
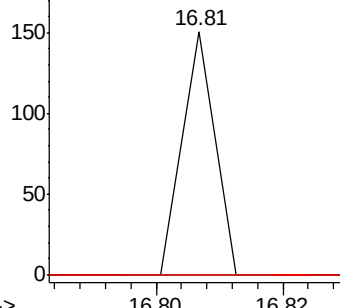
#70
 Pentachlorophenol
 Concen: 0.026 ng
 RT: 16.81 min Scan# 2335
 Delta R.T. -0.36 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

Instrument :
 BNA_G
 ClientSampleId :
 S4B(12-20)

Tgt Ion: 266 Resp: 53
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.1 76.7#
 264 0.0 52.1 78.1#

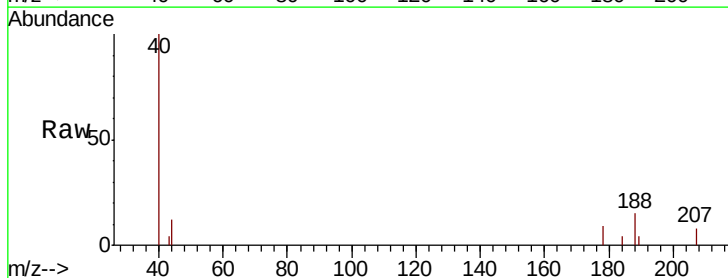


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

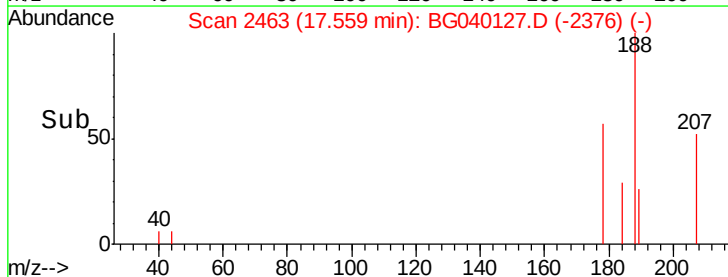
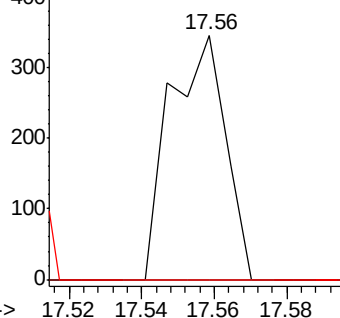


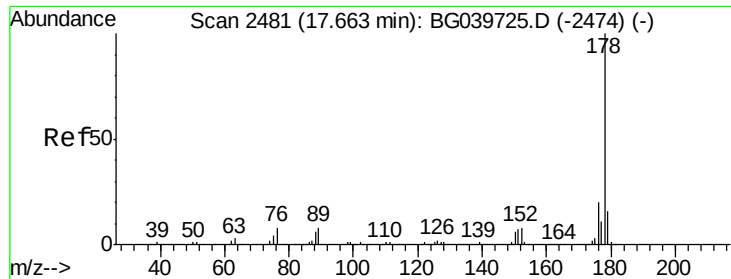
#71
 Phenanthrene
 Concen: 0.024 ng
 RT: 17.56 min Scan# 2463
 Delta R.T. -0.02 min
 Lab File: BG040127.D
 Acq: 25 Mar 2019 21:33

Tgt Ion: 178 Resp: 368
 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: 0.025 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.11 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

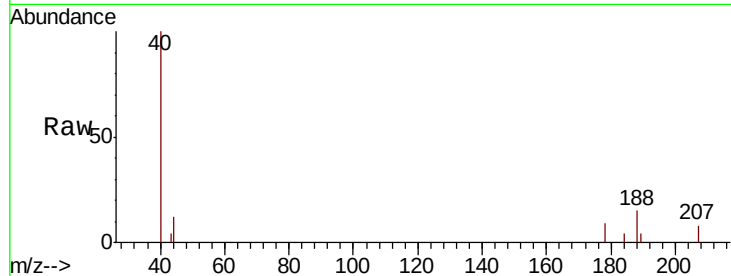
Tgt Ion:178 Resp: 368

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

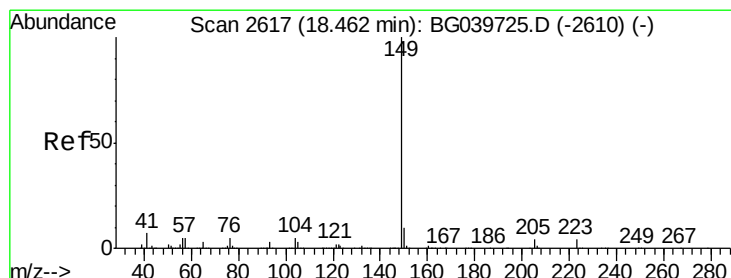
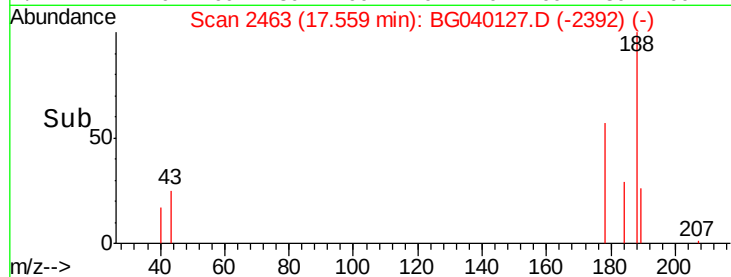
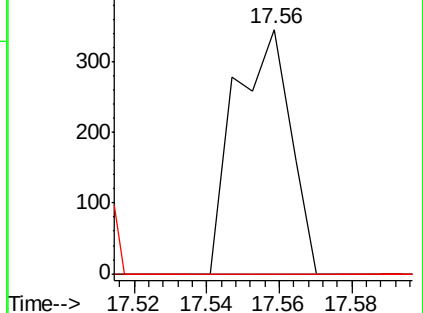
179 0.0 12.5 18.7#



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



#74

Di-n-butylphthalate

Concen: 0.065 ng

RT: 18.45 min Scan# 2614

Delta R.T. -0.02 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

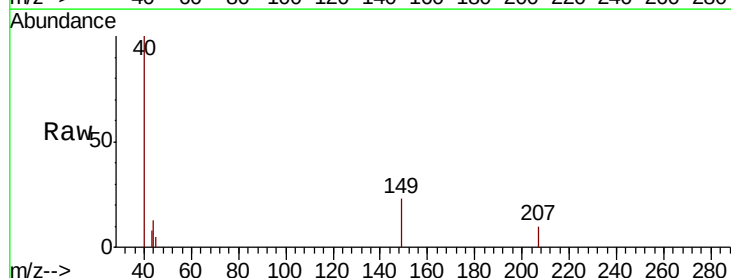
Tgt Ion:149 Resp: 1016

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

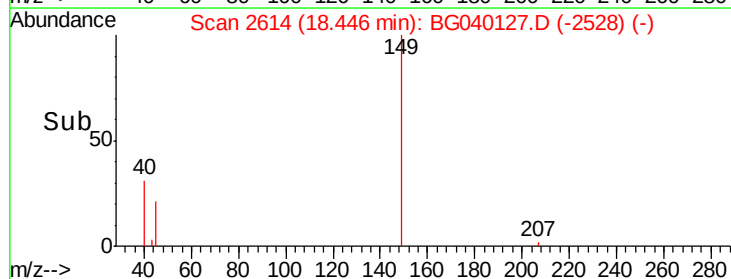
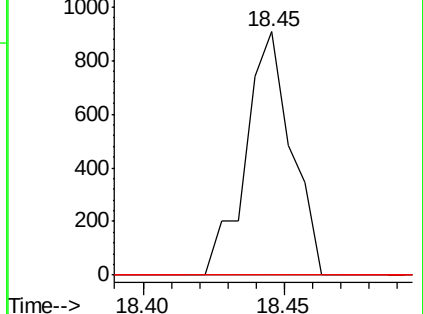
104 0.0 4.5 6.7#

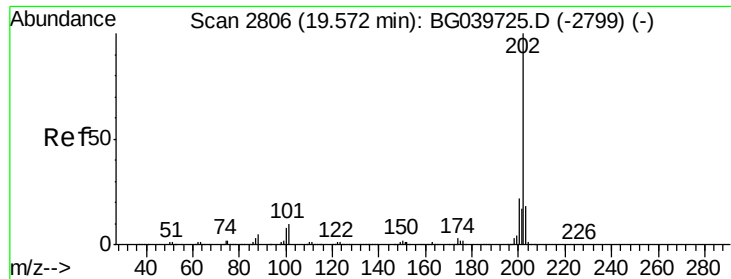


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.003 ng

RT: 19.57 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

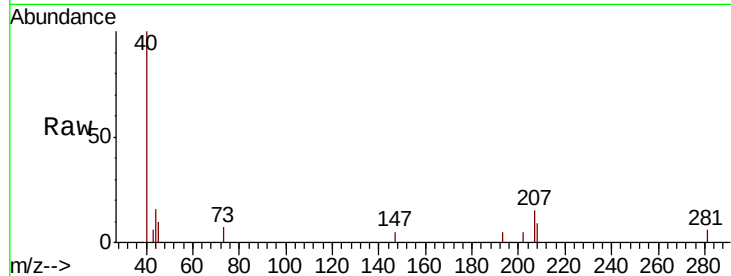
Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

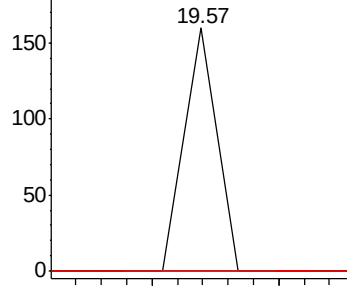
Tgt Ion:	202	Resp:	56
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.0
203	0.0	0.0	38.9



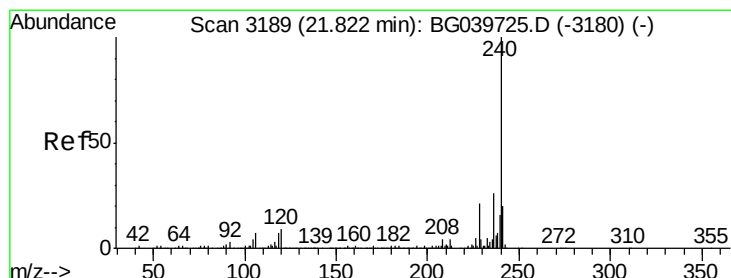
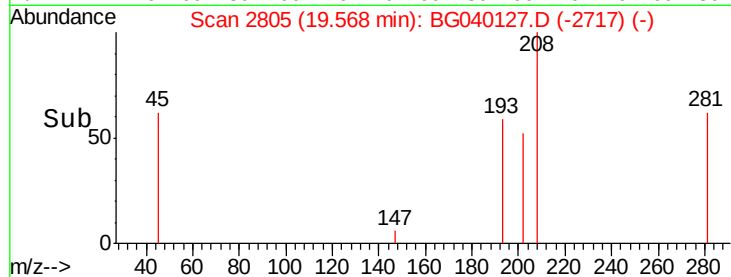
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

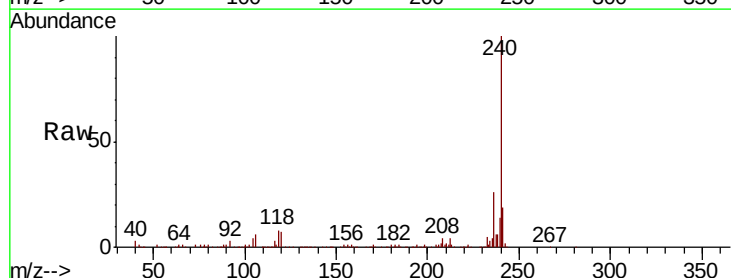
RT: 21.79 min Scan# 3184

Delta R.T. -0.03 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

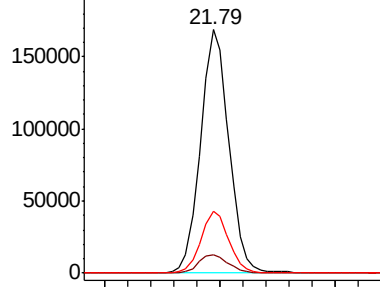
Tgt Ion:	240	Resp:	286666
Ion	Ratio	Lower	Upper
240	100		
120	7.5	7.0	10.6
236	25.5	21.0	31.4



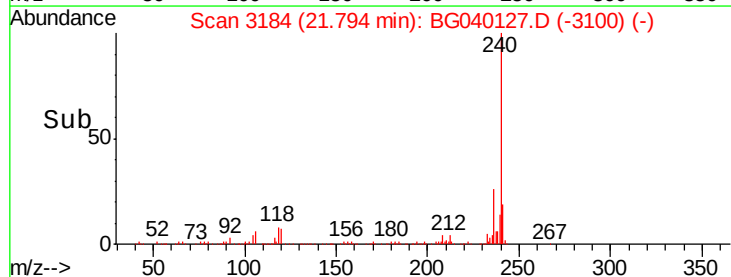
Abundance Ion 240.00 (239.70 to 240.70): E

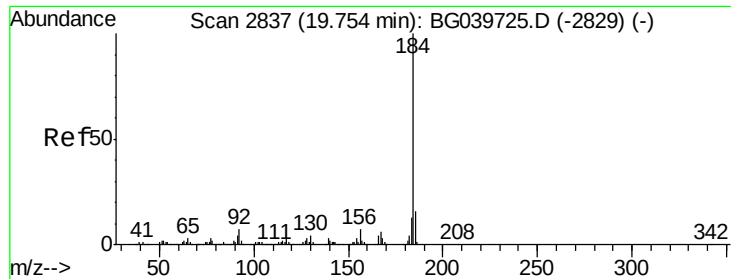
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 2.150 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.35 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

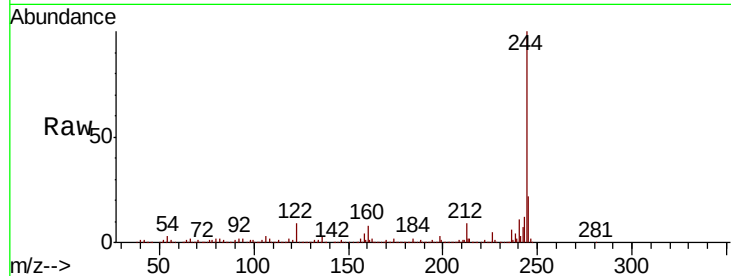
Tgt Ion:184 Resp: 19556

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.2

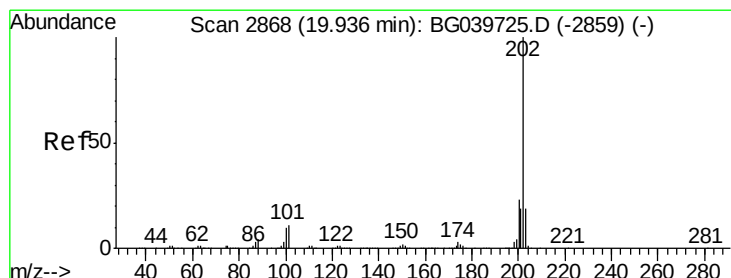
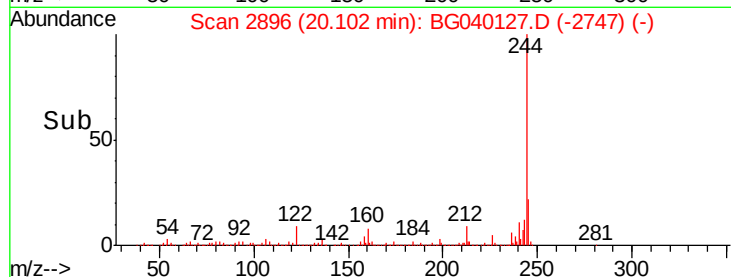
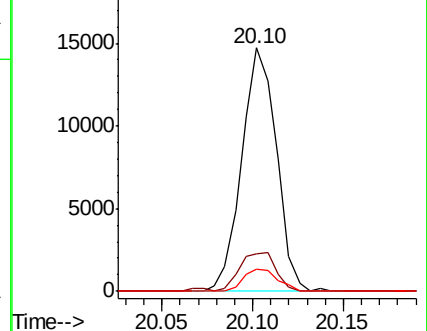
183 9.0 10.6 15.8#



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: 0.237 ng

RT: 20.10 min Scan# 2896

Delta R.T. 0.16 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

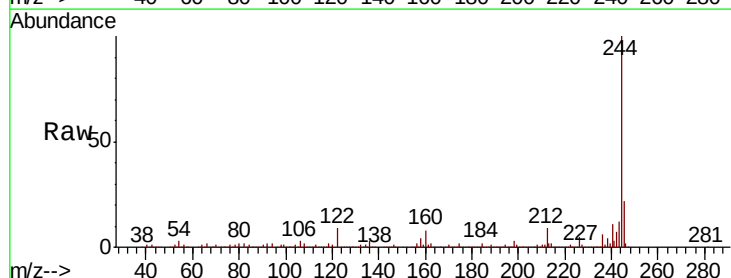
Tgt Ion:202 Resp: 4410

Ion Ratio Lower Upper

202 100

200 43.7 17.8 26.8#

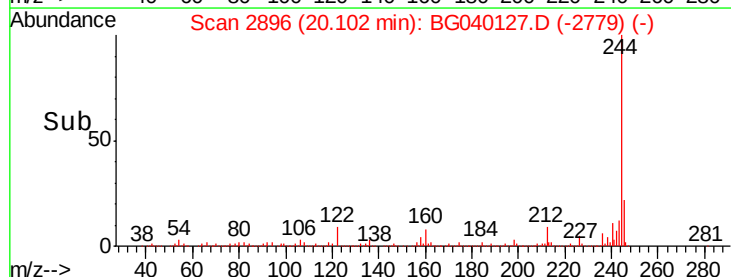
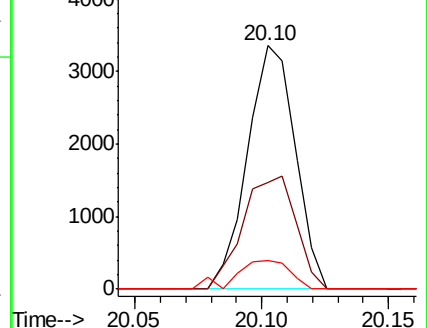
203 11.6 15.3 22.9#

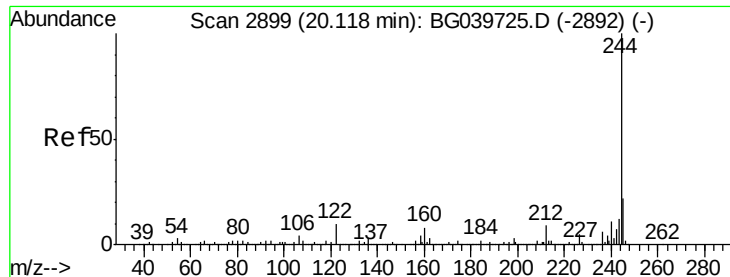


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 85.202 ng

RT: 20.10 min Scan# 2896

Delta R.T. -0.02 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

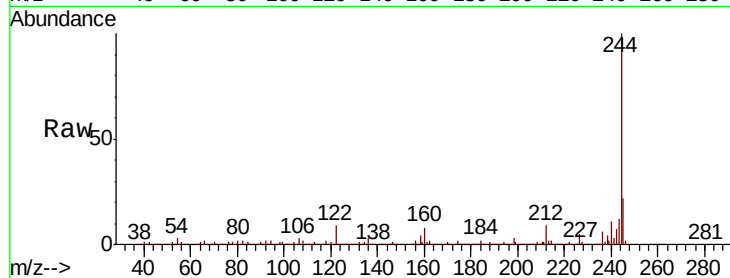
Tgt Ion:244 Resp: 1109297

Ion Ratio Lower Upper

244 100

212 8.7 7.3 10.9

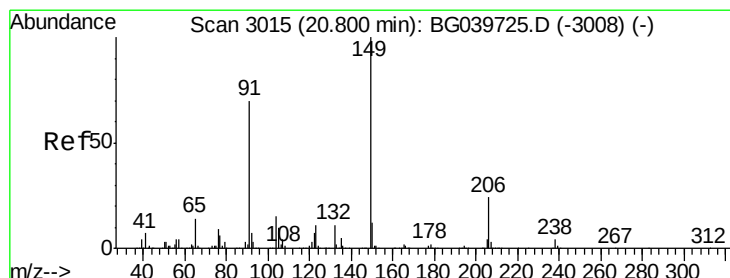
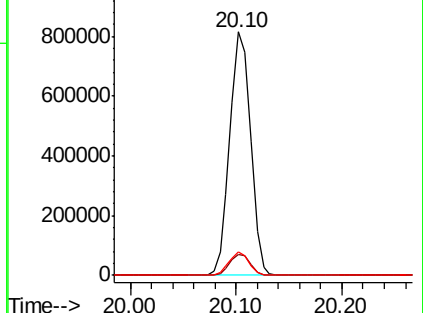
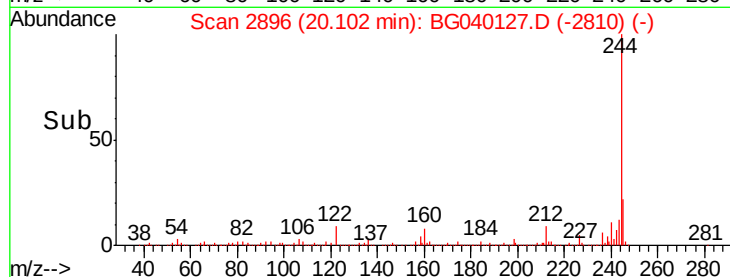
122 9.5 8.4 12.6



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: 0.008 ng

RT: 20.84 min Scan# 3021

Delta R.T. 0.03 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

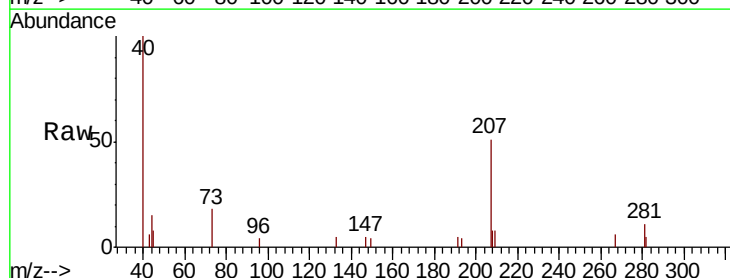
Tgt Ion:149 Resp: 55

Ion Ratio Lower Upper

149 100

91 0.0 59.5 89.3#

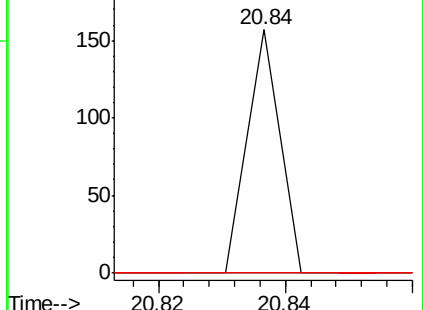
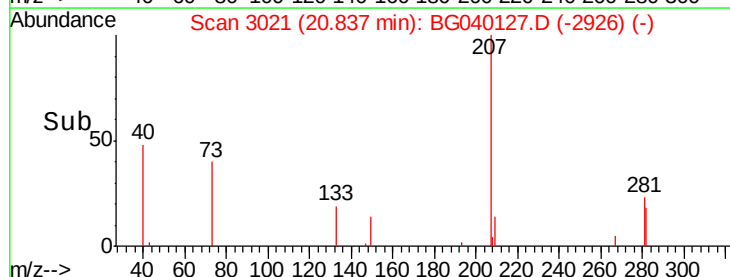
206 0.0 18.6 27.8#

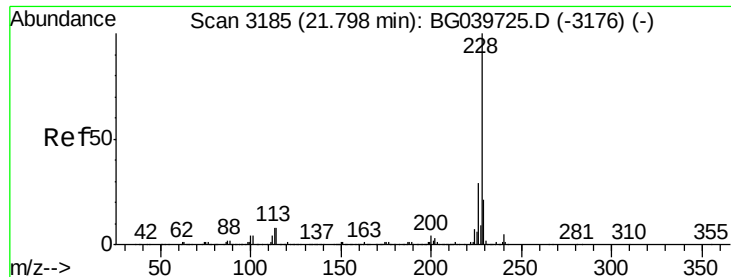


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.044 ng

RT: 21.79 min Scan# 3183

Delta R.T. -0.02 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

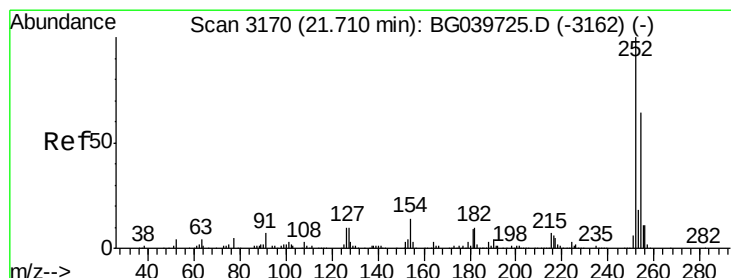
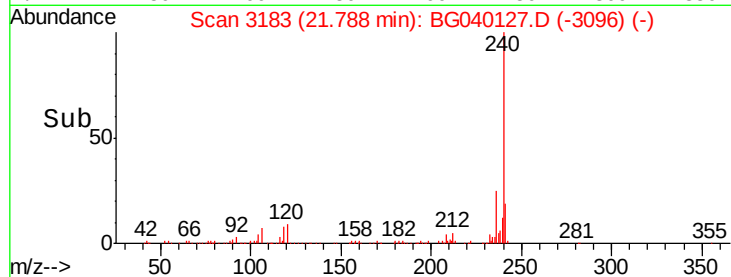
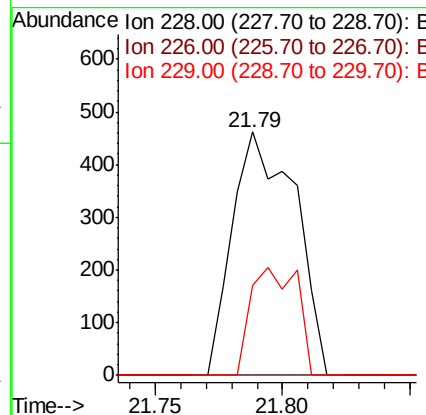
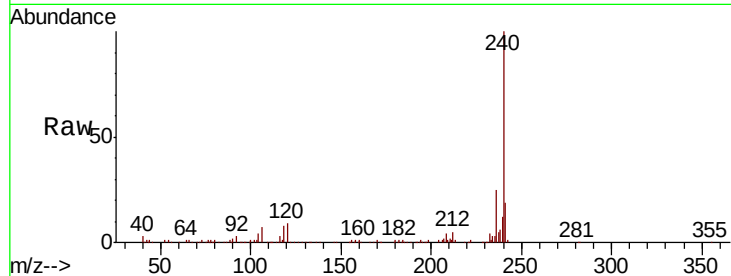
Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

Tgt Ion:	228	Resp:	796
Ion	Ratio	Lower	Upper
228	100		
226	0.0	23.0	34.6#
229	36.8	16.9	25.3#



#82

3,3'-Dichlorobenzidine

Concen: 0.010 ng

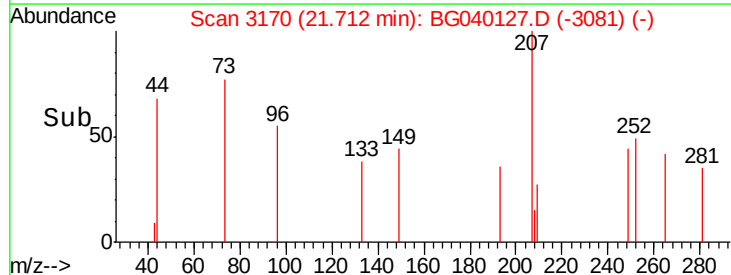
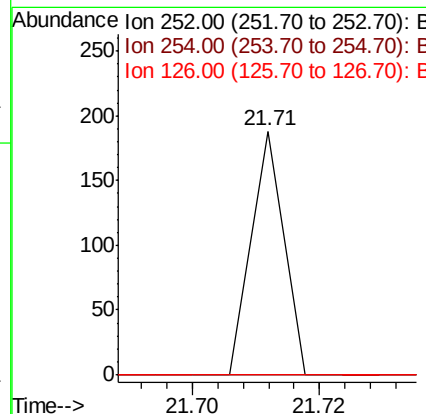
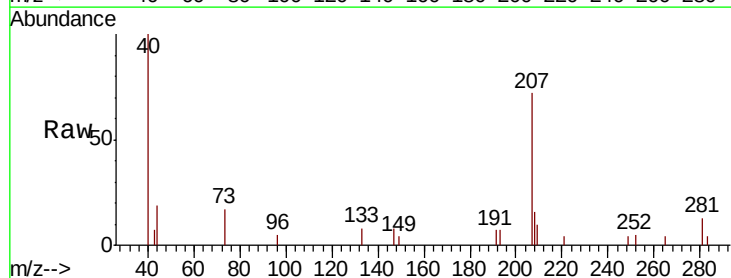
RT: 21.71 min Scan# 3170

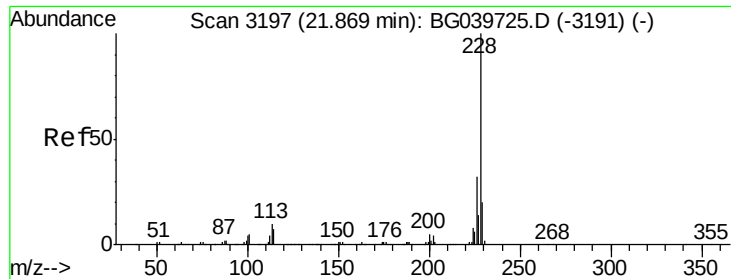
Delta R.T. -0.00 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Tgt Ion:	252	Resp:	66
Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.3	76.9#
126	0.0	8.0	12.0#





#83

Chrysene

Concen: 0.046 ng

RT: 21.79 min Scan# 3183

Delta R.T. -0.09 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)

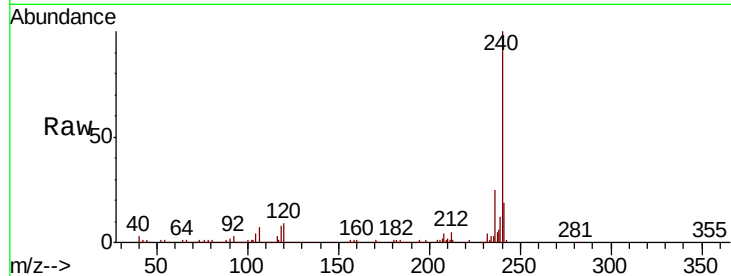
Tgt Ion: 228 Resp: 796

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

229 36.8 16.6 25.0#

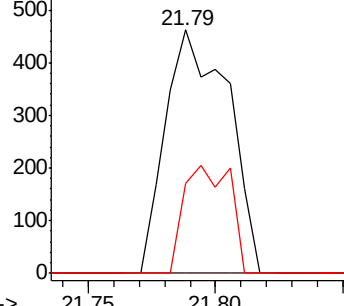


Abundance

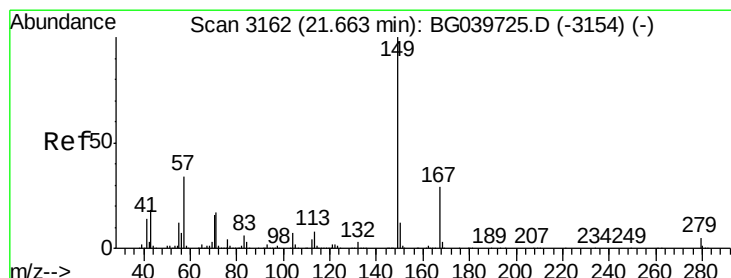
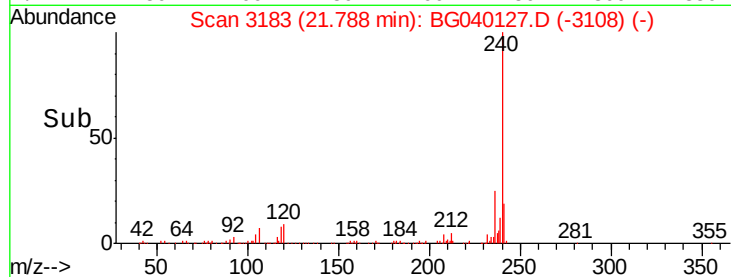
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.036 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.03 min

Lab File: BG040127.D

Acq: 25 Mar 2019 21:33

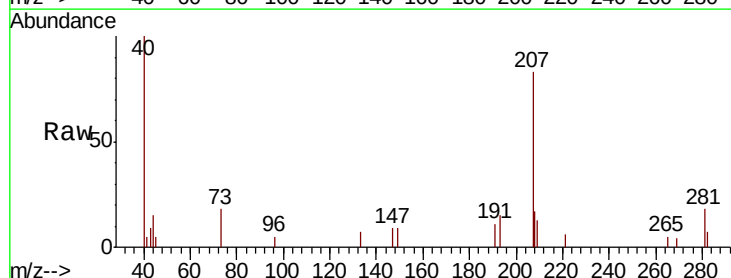
Tgt Ion: 149 Resp: 367

Ion Ratio Lower Upper

149 100

167 0.0 22.6 34.0#

279 0.0 3.5 5.3#

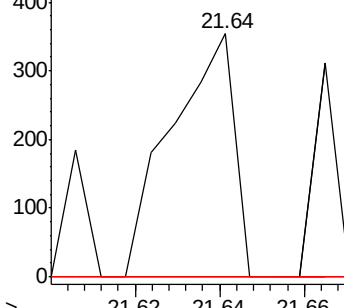


Abundance

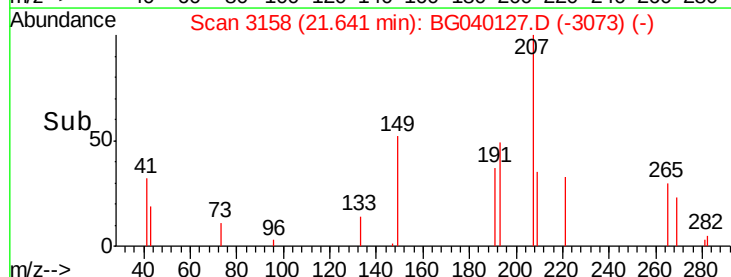
Ion 149.00 (148.70 to 149.70): E

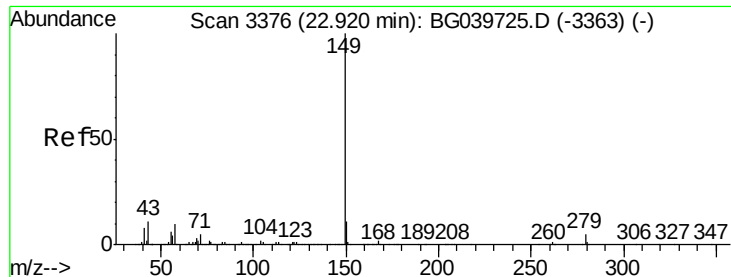
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

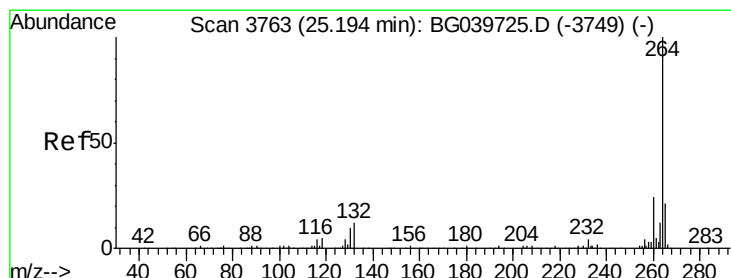
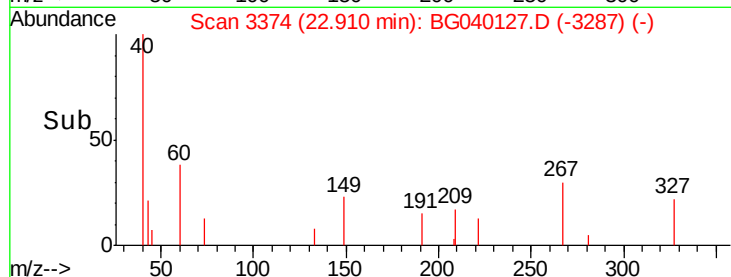
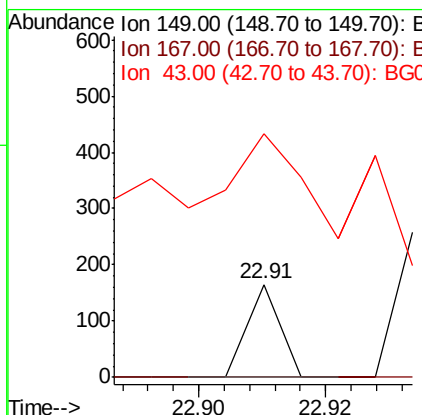
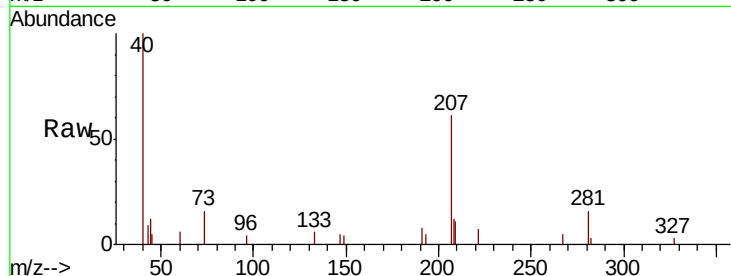




#85
Di-n-octyl phthalate
Concen: 0.003 ng
RT: 22.91 min Scan# 3374
Delta R.T. -0.02 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

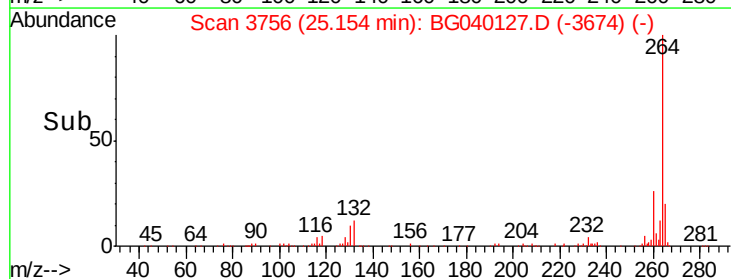
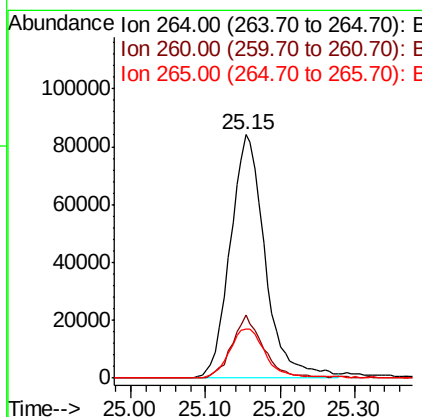
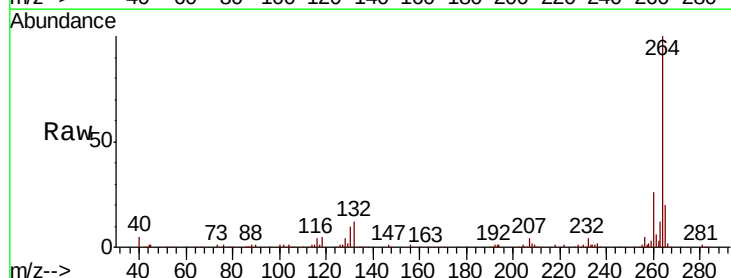
Instrument :
BNA_G
ClientSampleId :
S4B(12-20)

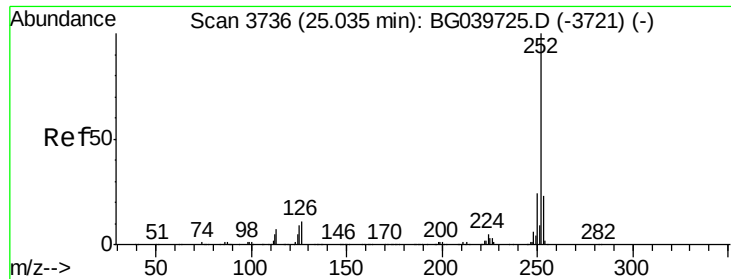
Tgt Ion:149 Resp: 58
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 10.2 15.4#



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3756
Delta R.T. -0.05 min
Lab File: BG040127.D
Acq: 25 Mar 2019 21:33

Tgt Ion:264 Resp: 273276
Ion Ratio Lower Upper
264 100
260 25.8 18.2 27.4
265 20.3 18.5 27.7





#90

Benzo(a)pyrene

Concen: 0.004 ng

RT: 25.12 min Scan# 3750

Delta R.T. 0.08 min

Lab File: BG040127.D

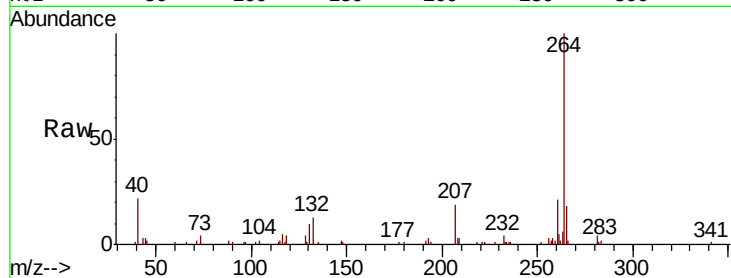
Acq: 25 Mar 2019 21:33

Instrument :

BNA_G

ClientSampleId :

S4B(12-20)



Tgt Ion:	252	Resp:	61
Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.9	26.9#
125	0.0	8.3	12.5#

