

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030819\
 Data File : BG039822.D
 Acq On : 8 Mar 2019 15:38
 Operator : JU/SJ
 Sample : K1807-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 08 23:11:33 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	8.15	152	46763	20.00	ng	-0.02
21) Naphthalene-d8	10.97	136	213509	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	152973	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	371378	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	368796	20.00	ng	-0.02
87) Perylene-d12	25.18	264	380836	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.70	112	430429	157.03	ng	-0.01
7) Phenol-d6	7.30	99	637515	155.98	ng	-0.01
23) Nitrobenzene-d5	9.33	82	371439	94.09	ng	-0.01
42) 2,4,6-Tribromophenol	16.27	330	259467	145.52	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	837628	77.96	ng	-0.01
79) Terphenyl-d14	20.12	244	1264095	75.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.61	88	59	0.047	ng	# 10
4) n-Nitrosodimethylamine	3.93	42	239	0.149	ng	# 1
6) Aniline	7.32	93	345	0.064	ng	# 1
8) 2-Chlorophenol	7.72	128	53	0.016	ng	# 1
9) Benzaldehyde	7.31	77	1170	0.444	ng	# 4
10) Phenol	7.32	94	14018	3.166	ng	# 89
11) bis(2-Chloroethyl)ether	7.68	93	763	0.221	ng	# 1
12) 1,3-Dichlorobenzene	8.49	146	56	0.015	ng	# 1
13) 1,4-Dichlorobenzene	8.49	146	56	0.015	ng	# 1
14) 1,2-Dichlorobenzene	8.49	146	56	0.015	ng	# 1
15) Benzyl Alcohol	8.48	79	5124	1.580	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	8.73	45	55	0.008	ng	# 75
17) 2-Methylphenol	8.41	107	63	0.022	ng	# 10
19) n-Nitroso-di-n-propylamine	9.33	70	49723	16.902	ng	# 67
20) 3+4-Methylphenols	8.41	107	63	0.016	ng	# 21
24) Nitrobenzene	9.33	77	989	0.239	ng	# 41
31) Naphthalene	10.57	128	57	0.005	ng	# 69
46) 1,1'-Biphenyl	13.62	154	1034	0.082	ng	# 79
47) 2-Chloronaphthalene	13.76	162	217	0.023	ng	# 39
48) 2-Nitroaniline	14.22	65	750	0.247	ng	# 1
50) Dimethylphthalate	14.22	163	71212	5.567	ng	# 99
51) 2,6-Dinitrotoluene	14.78	165	20227	7.459	ng	# 25
52) Acenaphthene	14.78	154	511	0.055	ng	# 5
55) Dibenzofuran	14.84	168	56	0.004	ng	# 45
57) 2,4-Dinitrotoluene	14.78	165	20227	5.309	ng	# 20
58) Fluorene	16.27	166	11156	0.925	ng	# 89
60) Diethylphthalate	15.57	149	513	0.041	ng	# 65
63) Azobenzene	16.27	77	1431	0.125	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.27	198	970	0.442	ng	# 1
66) n-Nitrosodiphenylamine	16.27	169	11009	1.024	ng	# 49
67) 4-Bromophenyl-phenylether	16.27	248	20271	4.876	ng	# 1
71) Phenanthrene	17.57	178	307	0.015	ng	# 59
72) Anthracene	17.57	178	307	0.015	ng	# 60
73) Carbazole	17.53	167	54	0.003	ng	# 1

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 Misc :
 ALS Vial : 7 Sample Multiplier: 1

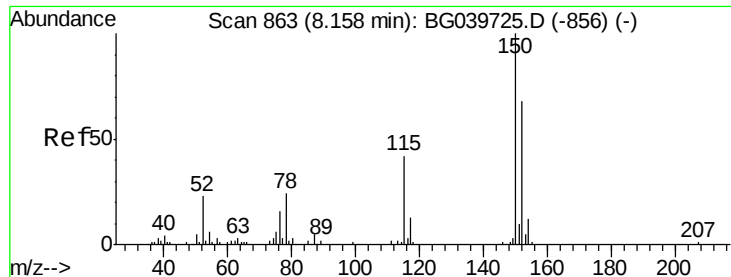
Instrument :
 BNA_G
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

74) Di-n-butylphthalate	18.46	149	1174	0.056	nq	# 77
75) Fluoranthene	19.57	202	291	0.012	nq	63
77) Benzidine	20.12	184	21725	1.856	nq	# 91
78) Pyrene	19.94	202	353	0.015	nq	# 55
80) Butylbenzylphthalate	20.79	149	90	0.010	nq	# 22
81) Benzo(a)anthracene	21.80	228	1046	0.045	nq	# 31
82) 3,3'-Dichlorobenzidine	21.41	252	67	0.008	nq	# 1
83) Chrysene	21.85	228	168	0.007	nq	# 48
84) Bis(2-ethylhexyl)phthalate	21.66	149	1693	0.130	nq	# 87
85) Di-n-octyl phthalate	22.93	149	174	0.008	nq	# 1
88) Benzo(b)fluoranthene	24.10	252	60	0.003	nq	# 60
89) Benzo(k)fluoranthene	24.13	252	81	0.004	nq	# 1
90) Benzo(a)pyrene	25.02	252	58	0.003	nq	# 59

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

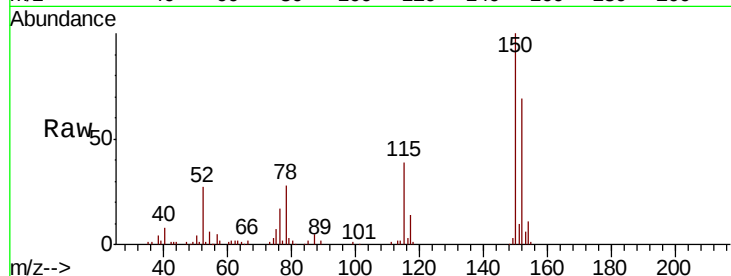


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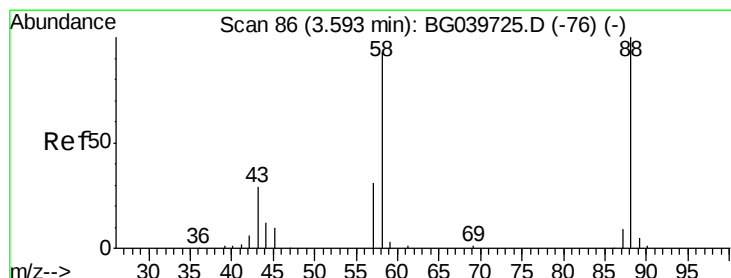
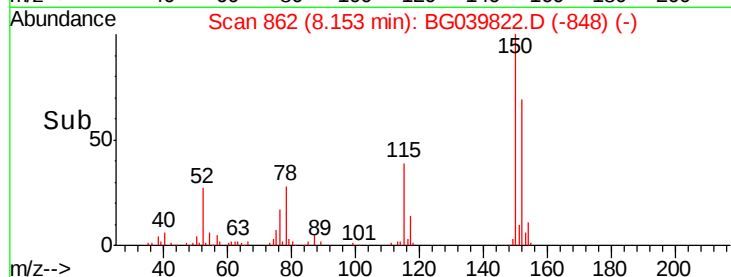
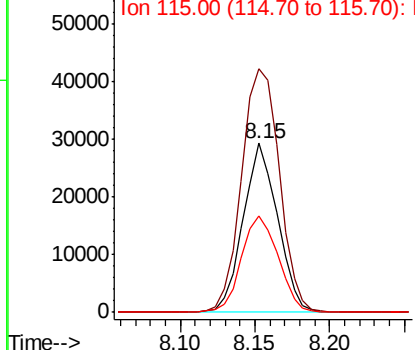
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 862
Delta R.T. -0.02 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 46763
Ion Ratio Lower Upper
152 100
150 144.2 123.7 185.5
115 56.8 45.9 68.9



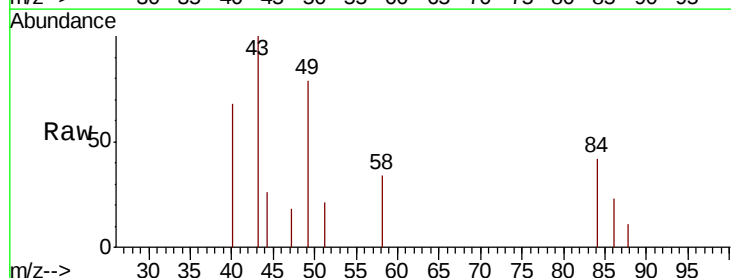
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



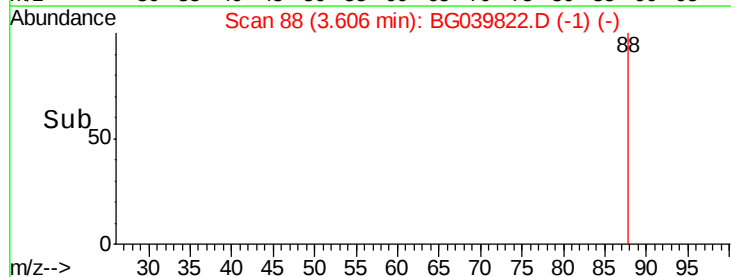
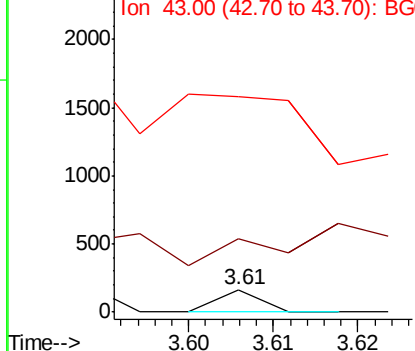
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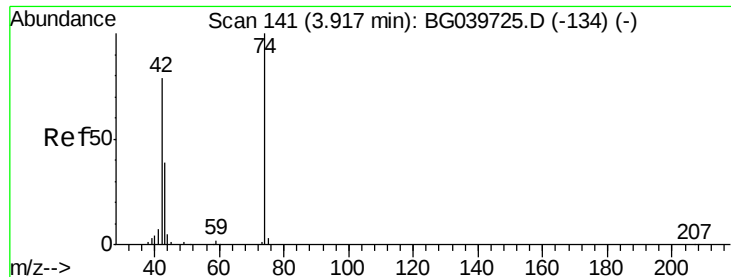
1,4-Dioxane
Concen: 0.047 ng
RT: 3.61 min Scan# 88
Delta R.T. 0.00 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
58 0.0 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



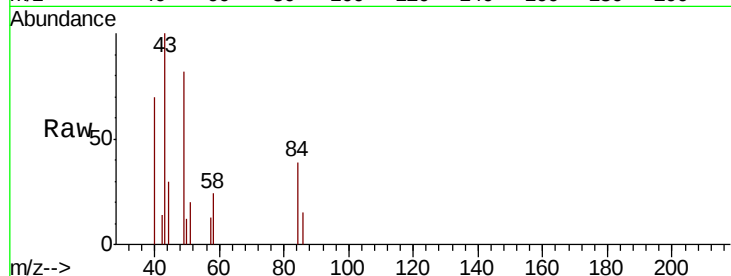


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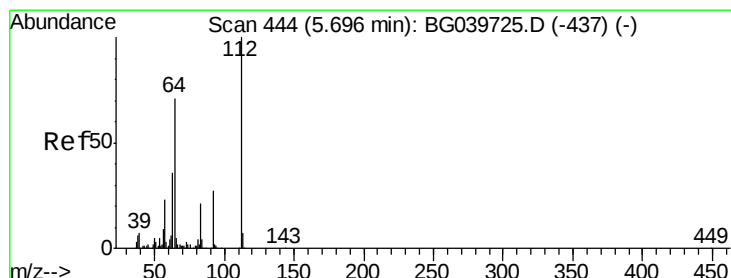
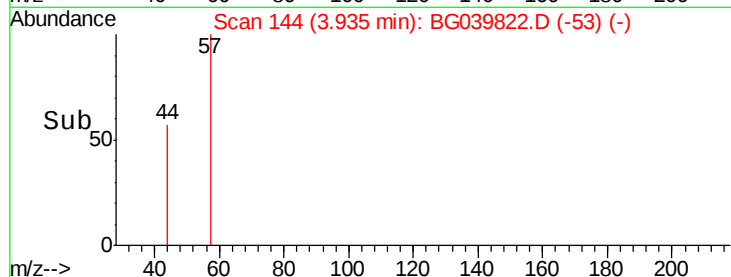
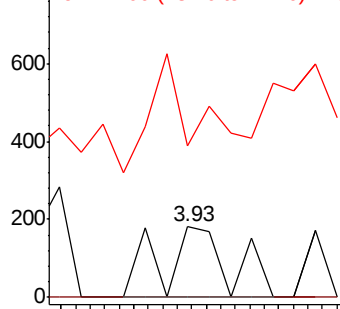
n-Nitrosodimethylamine
 Concen: 0.149 ng
 RT: 3.93 min Scan# 144
 Delta R.T. 0.01 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 42 Resp: 239
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.6 125.4#
 44 216.1 6.9 10.3#



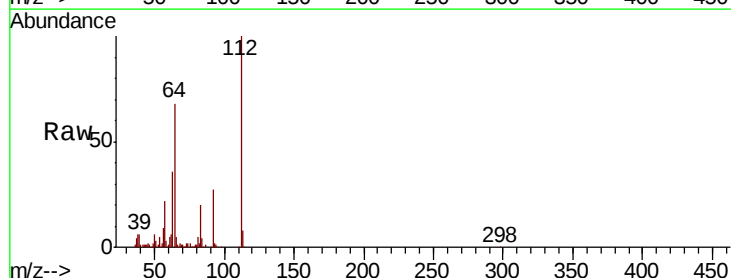
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



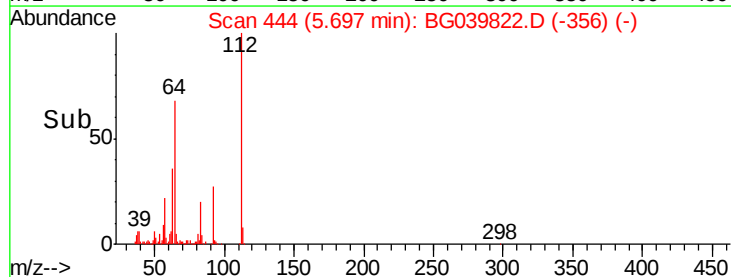
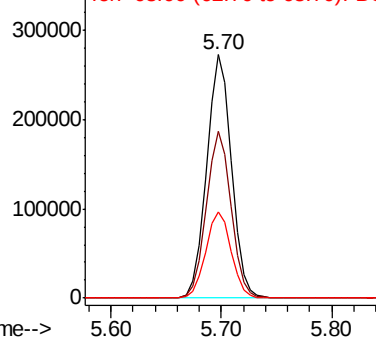
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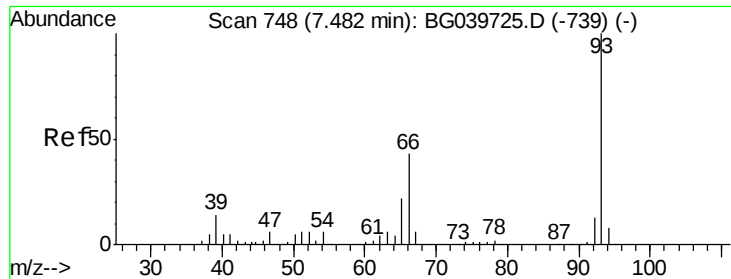
2-Fluorophenol
 Concen: 157.029 ng
 RT: 5.70 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Tgt Ion: 112 Resp: 430429
 Ion Ratio Lower Upper
 112 100
 64 68.4 57.8 86.8
 63 35.6 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.064 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.18 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampled :

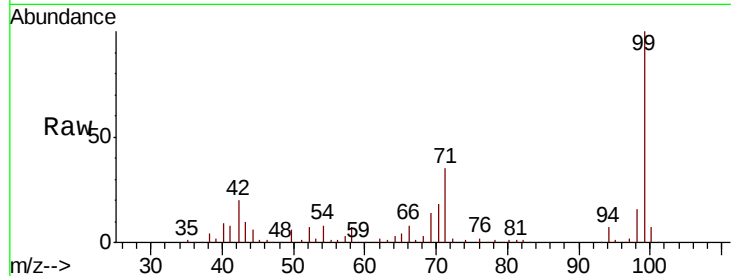
Tot Ion: 93 Resp: 345

Ion Ratio Lower Upper

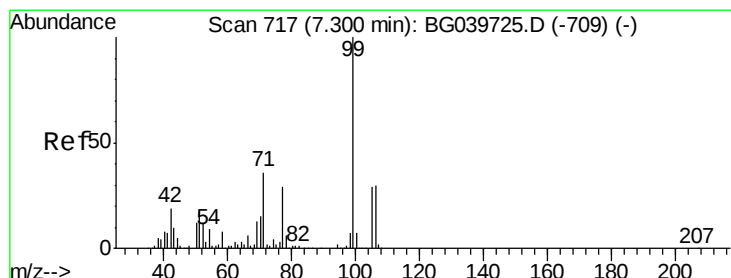
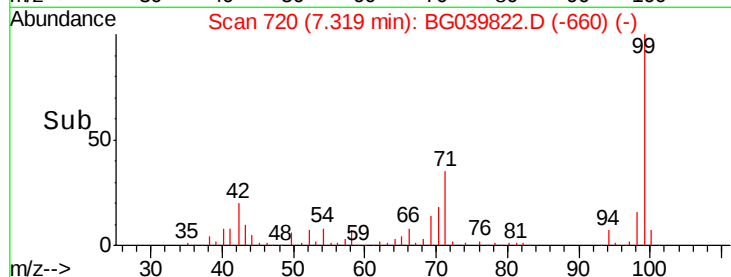
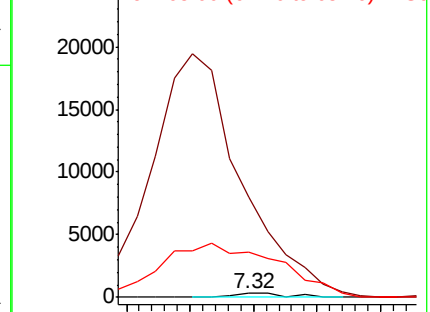
93 100

66 2754.0 34.2 51.4#

65 1242.2 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: 155.982 ng

RT: 7.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

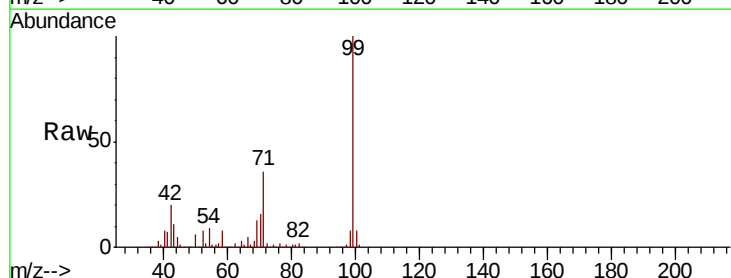
Tgt Ion: 99 Resp: 637515

Ion Ratio Lower Upper

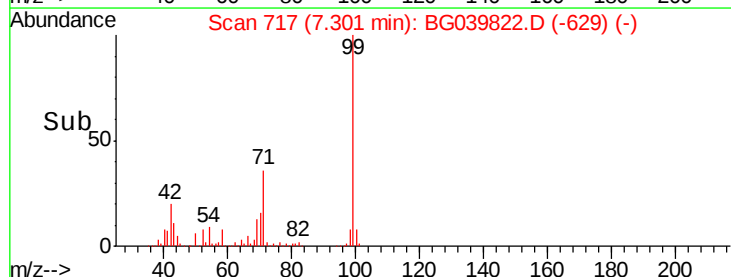
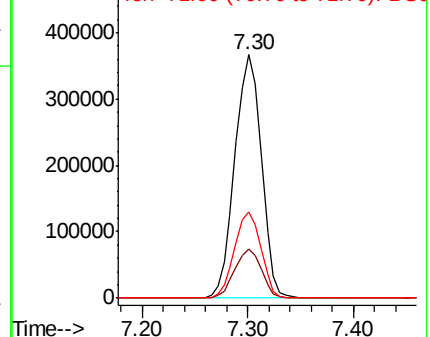
99 100

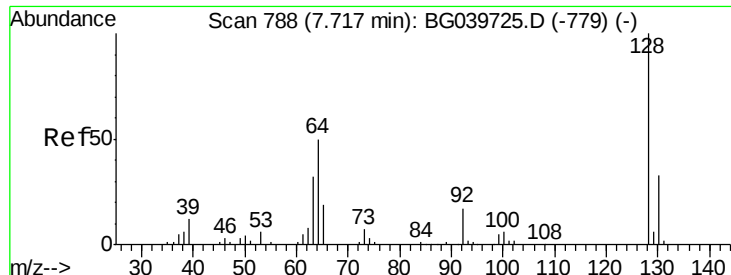
42 20.2 18.2 27.2

71 35.6 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: 0.016 ng

RT: 7.72 min Scan# 789

Delta R.T. 0.00 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampled :

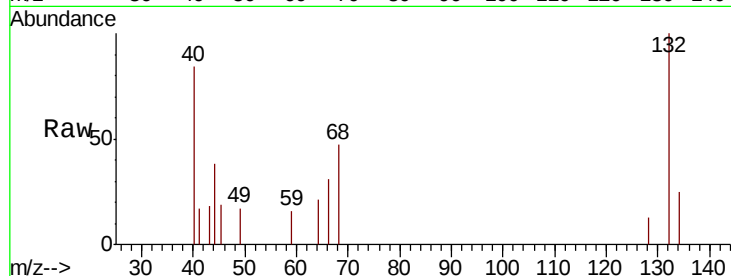
Tot Ion:128 Resp: 53

Ion Ratio Lower Upper

128 100

130 0.0 12.9 52.9#

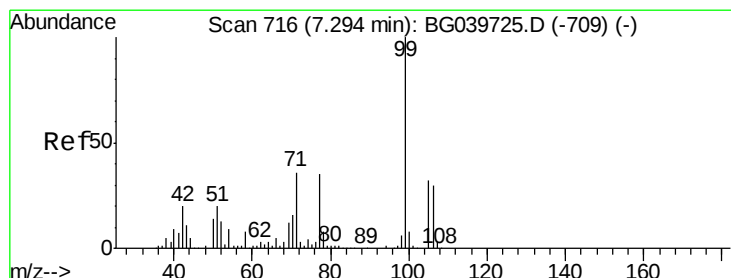
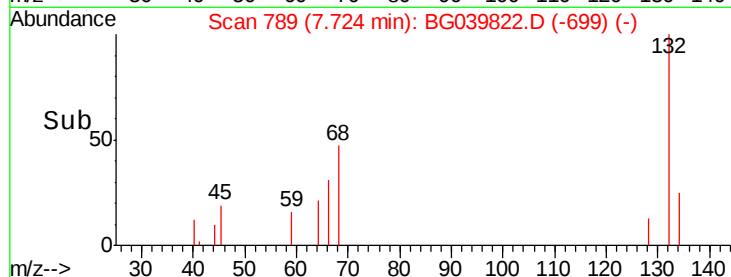
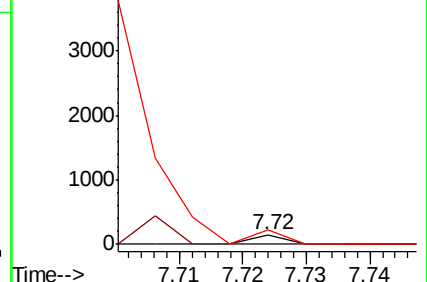
64 156.0 38.7 78.7#



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: 0.444 ng

RT: 7.31 min Scan# 718

Delta R.T. 0.00 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

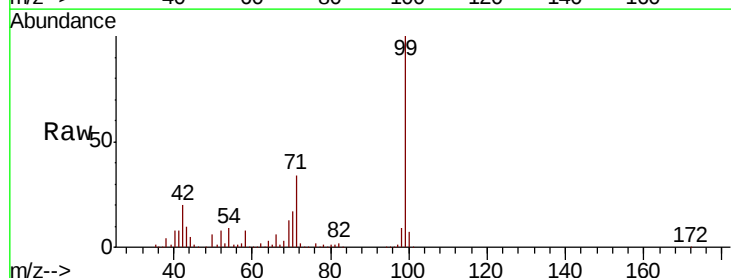
Tgt Ion: 77 Resp: 1170

Ion Ratio Lower Upper

77 100

105 0.0 74.5 114.5#

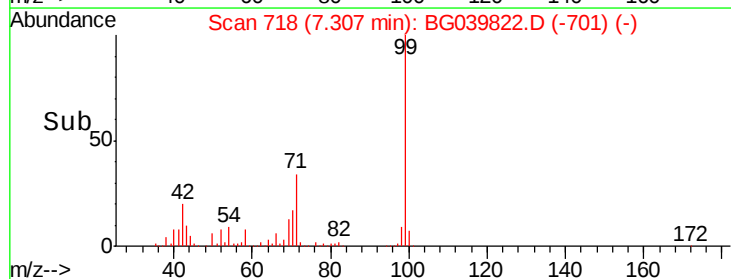
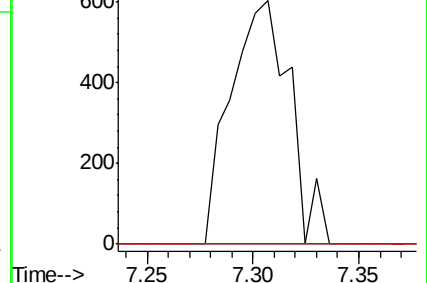
106 0.0 68.0 108.0#

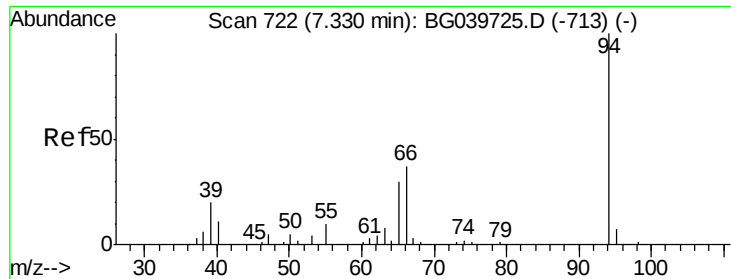


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

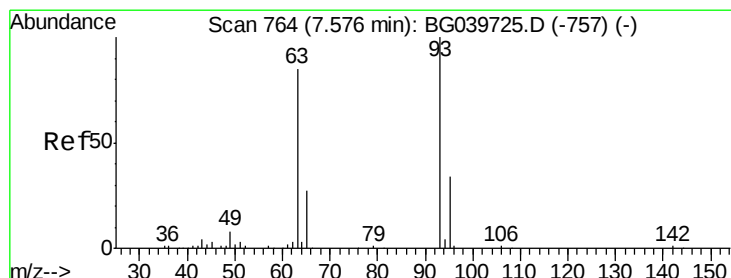
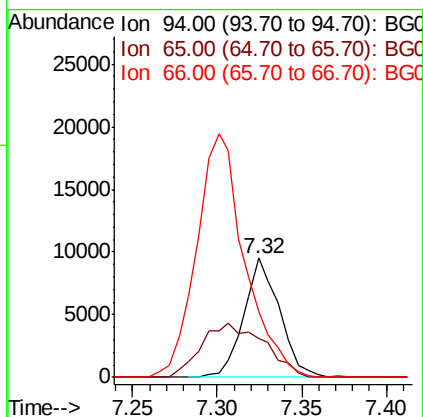
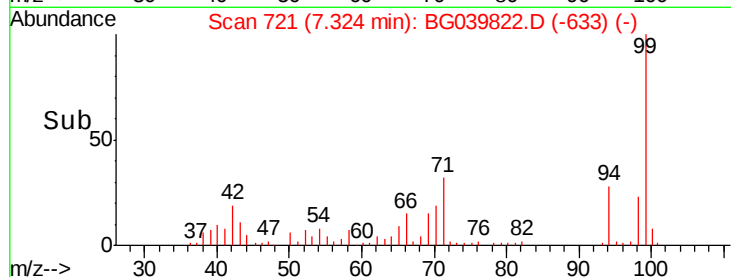
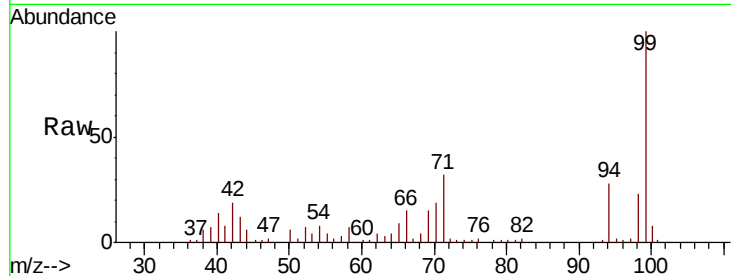




#10
Phenol
Concen: 3.166 ng
RT: 7.32 min Scan# 721
Delta R.T. -0.01 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

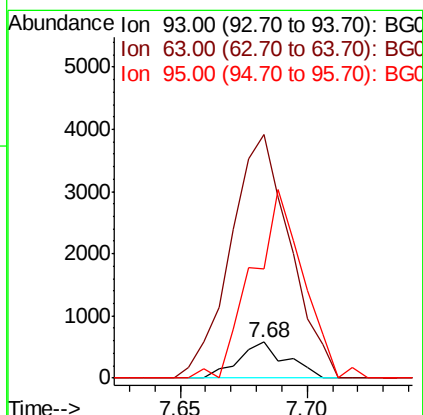
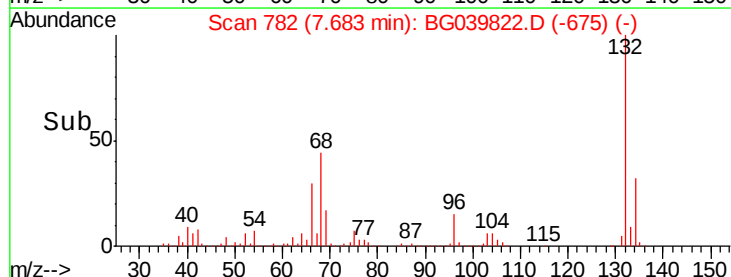
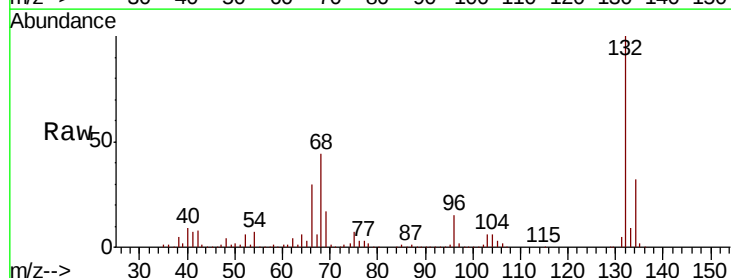
Instrument :
BNA_G
ClientSampled :

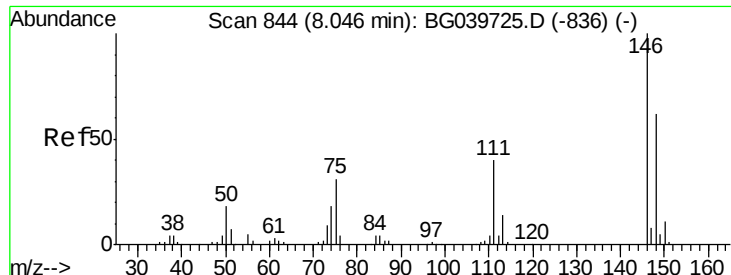
Tot Ion: 94 Resp: 14018
Ion Ratio Lower Upper
94 100
65 32.5 11.7 51.7
66 55.4 23.7 63.7



#11
bis(2-Chloroethyl)ether
Concen: 0.221 ng
RT: 7.68 min Scan# 782
Delta R.T. 0.10 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion: 93 Resp: 763
Ion Ratio Lower Upper
93 100
63 679.5 69.5 109.5#
95 306.3 12.7 52.7#





#12

1,3-Dichlorobenzene

Concen: 0.015 ng

RT: 8.49 min Scan# 919

Delta R.T. 0.43 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampled :

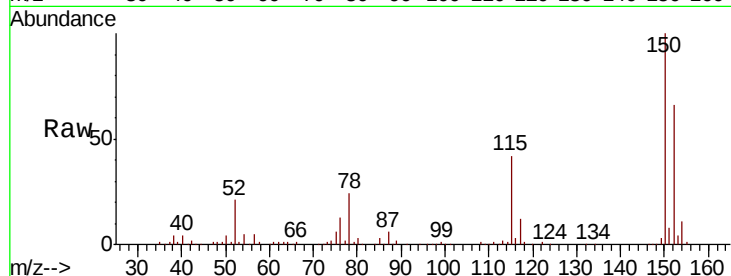
Tot Ion:146 Resp: 56

Ion Ratio Lower Upper

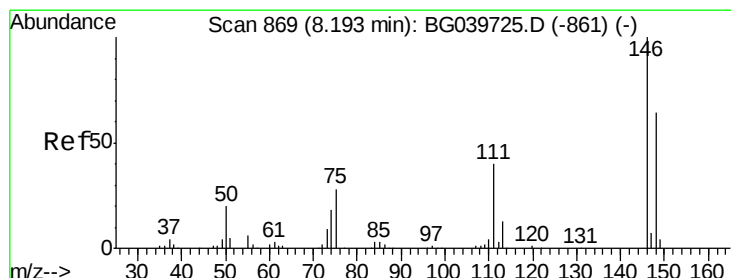
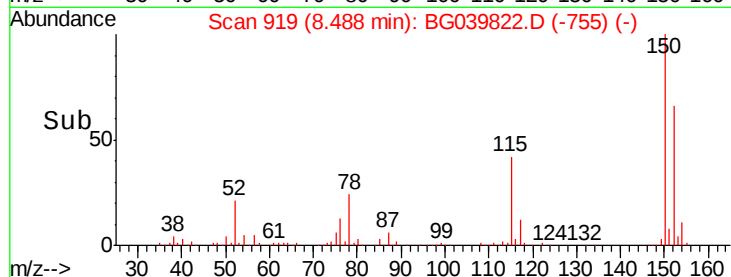
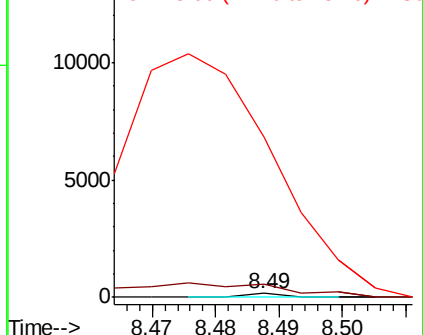
146 100

148 344.4 52.6 79.0#

75 4263.1 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: 0.015 ng

RT: 8.49 min Scan# 919

Delta R.T. 0.29 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

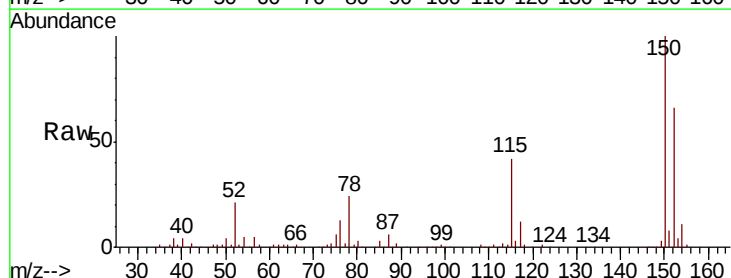
Tgt Ion:146 Resp: 56

Ion Ratio Lower Upper

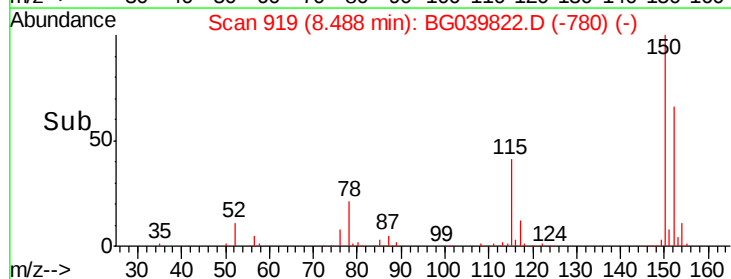
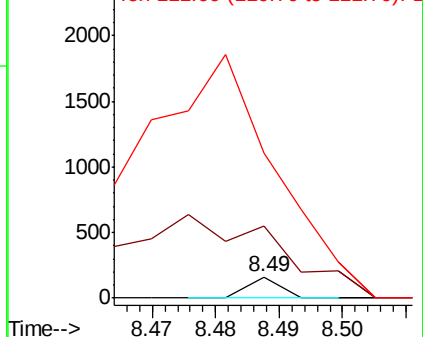
146 100

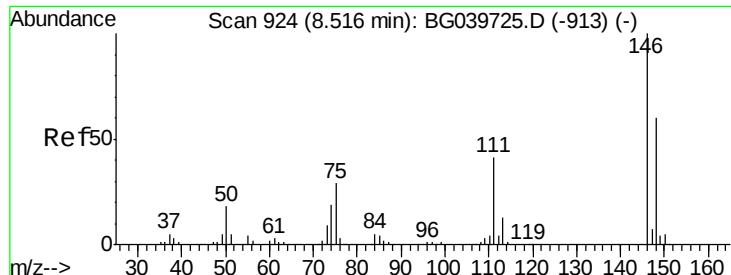
148 344.4 51.1 76.7#

111 691.3 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: 0.015 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.04 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampled :

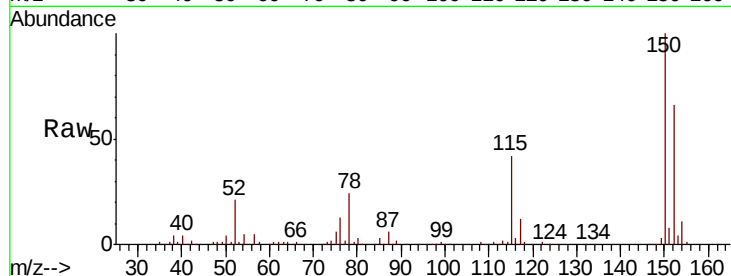
Tot Ion:146 Resp: 56

Ion Ratio Lower Upper

146 100

148 344.4 51.5 77.3#

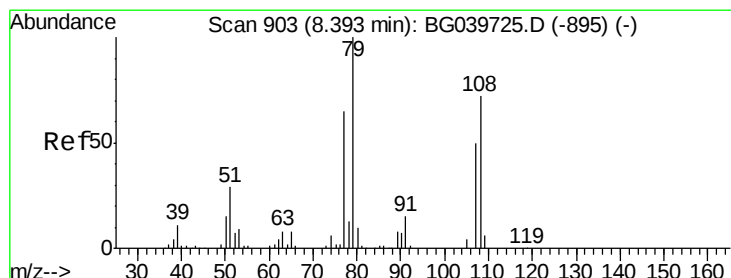
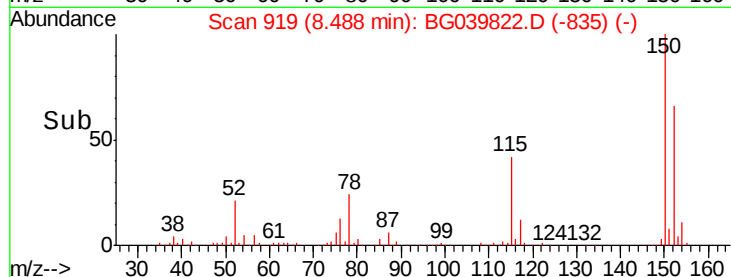
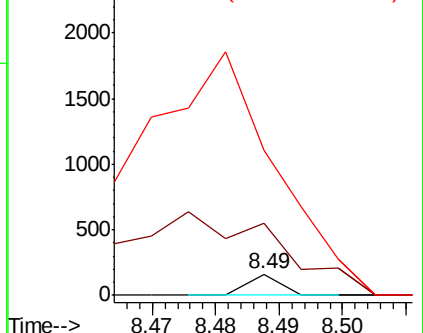
111 691.3 33.8 50.6#



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: 1.580 ng

RT: 8.48 min Scan# 917

Delta R.T. 0.07 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

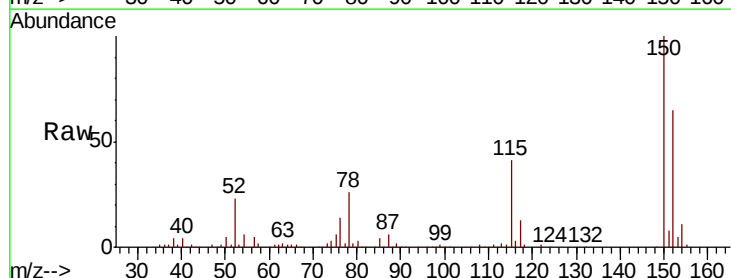
Tgt Ion: 79 Resp: 5124

Ion Ratio Lower Upper

79 100

108 30.3 57.8 86.6#

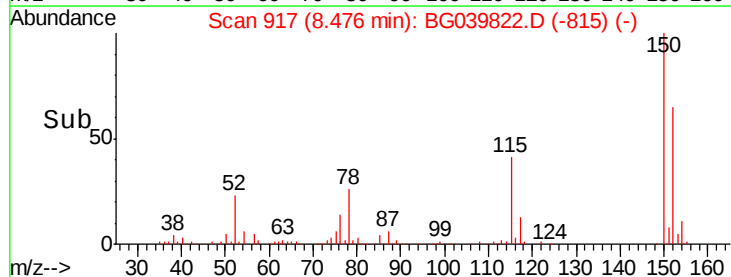
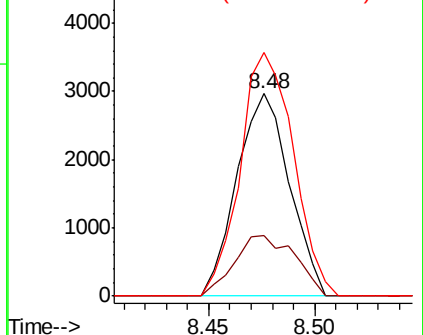
77 120.4 51.1 76.7#

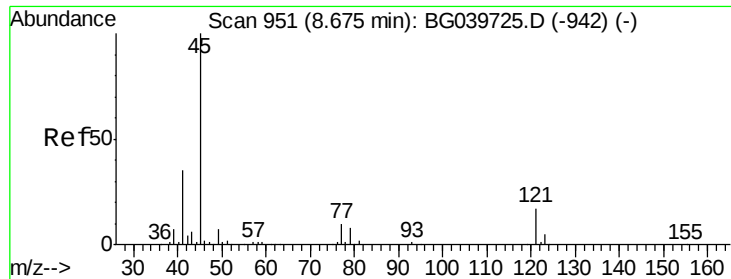


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

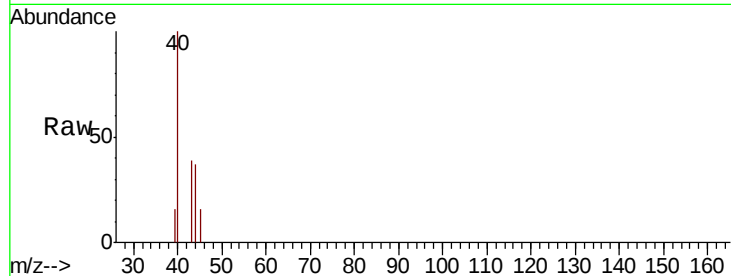




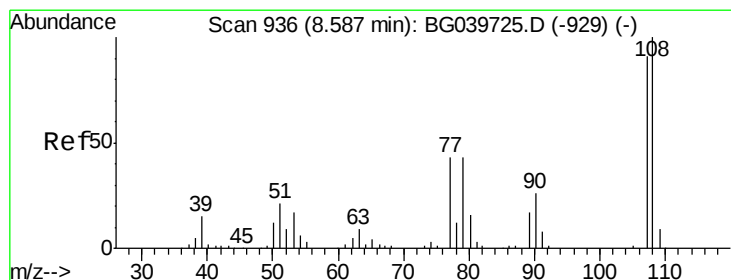
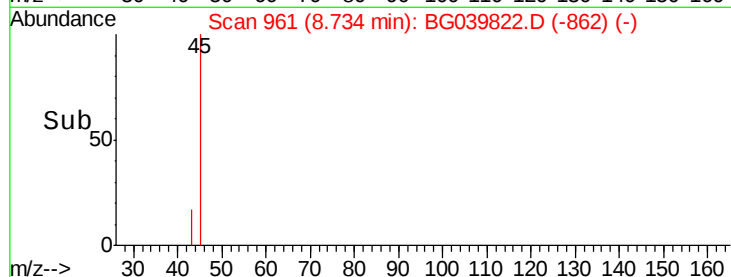
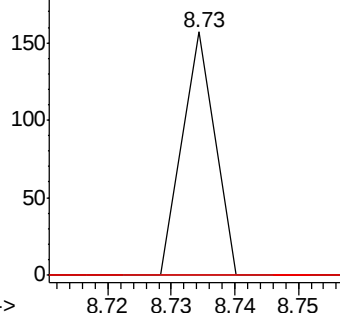
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.008 ng
RT: 8.73 min Scan# 961
Delta R.T. 0.05 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	30.0
79	0.0	0.0	27.5

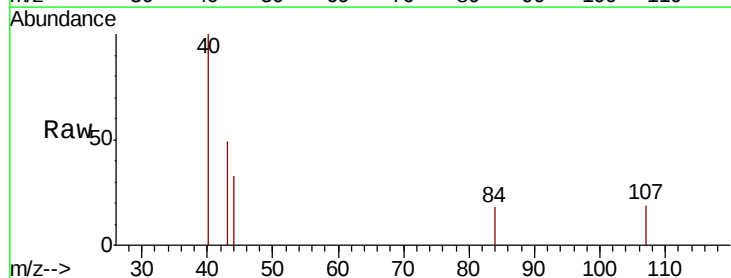


Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

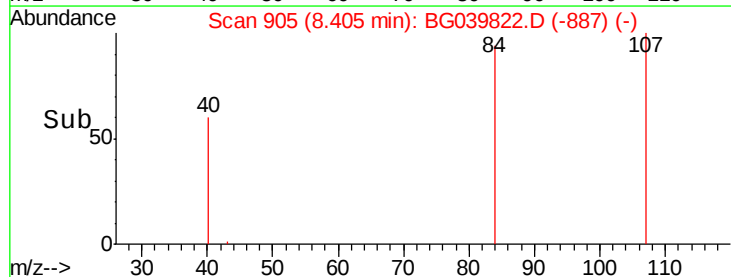
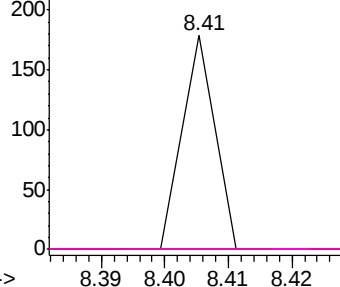


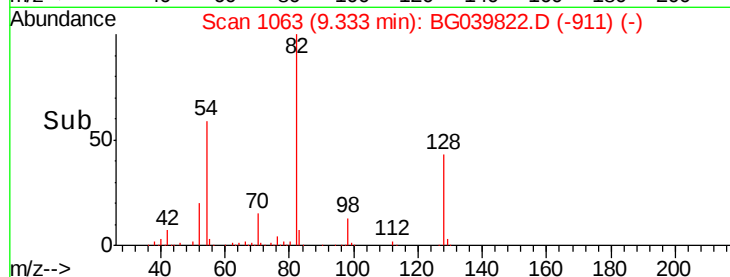
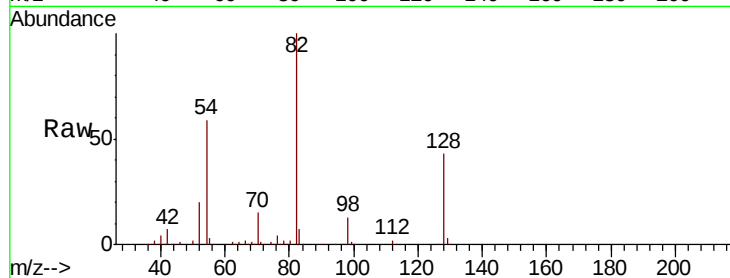
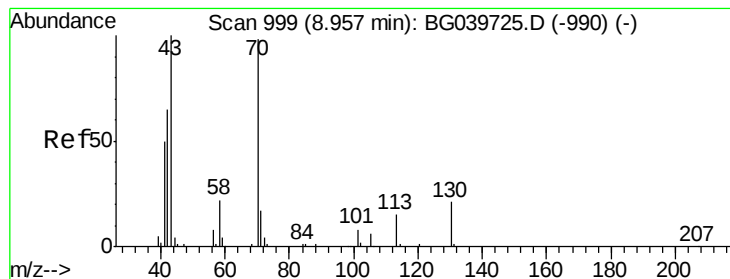
#17
2-Methylphenol
Concen: 0.022 ng
RT: 8.41 min Scan# 905
Delta R.T. -0.19 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	0.0	90.8	136.2#
77	0.0	40.7	61.1#
79	0.0	40.6	60.8#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.902 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 49723

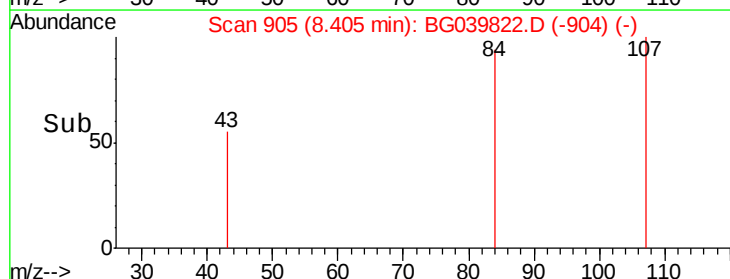
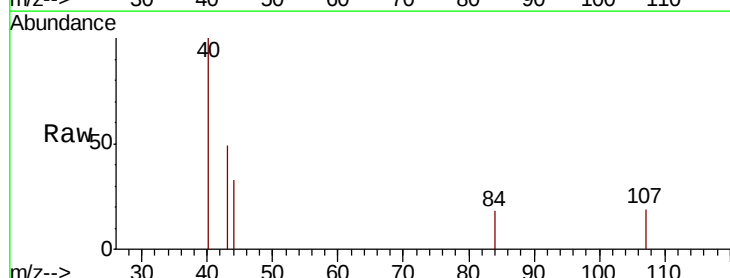
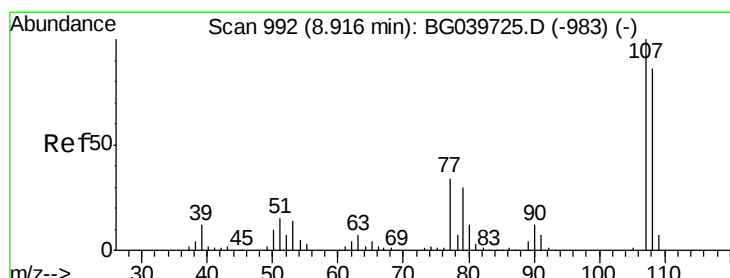
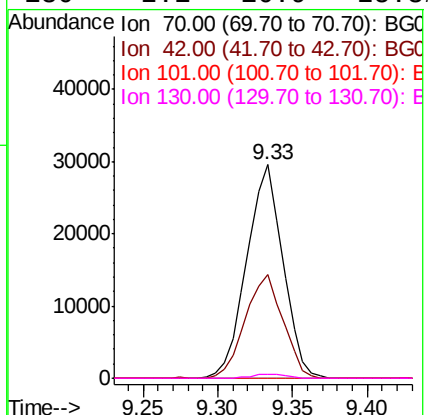
Ion Ratio Lower Upper

70 100

42 48.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.1 16.9 25.3#



#20

3+4-Methylphenols

Concen: 0.016 ng

RT: 8.41 min Scan# 905

Delta R.T. -0.52 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Tgt Ion: 107 Resp: 63

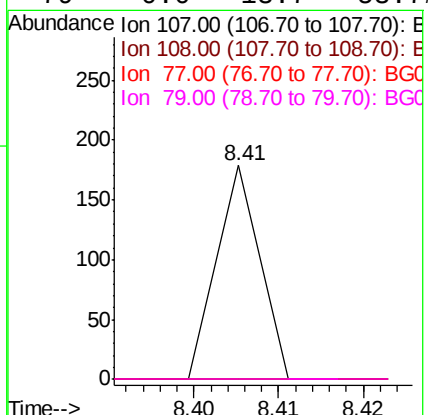
Ion Ratio Lower Upper

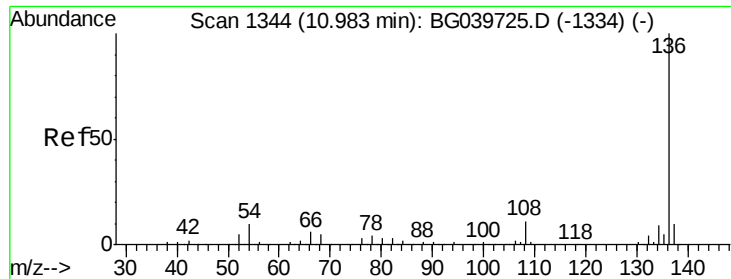
107 100

108 0.0 67.9 107.9#

77 0.0 15.4 55.4#

79 0.0 13.7 53.7#

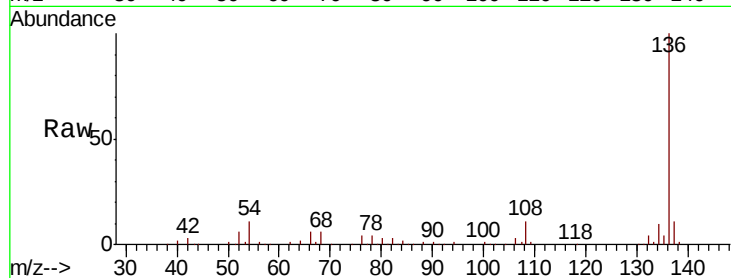




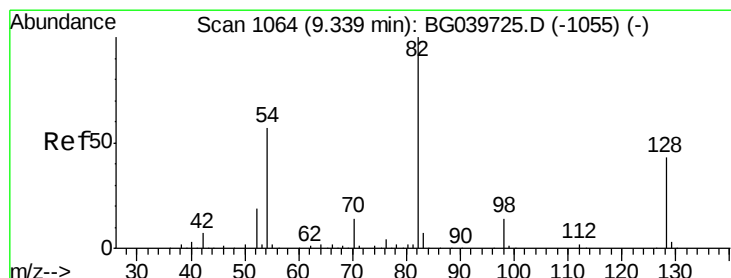
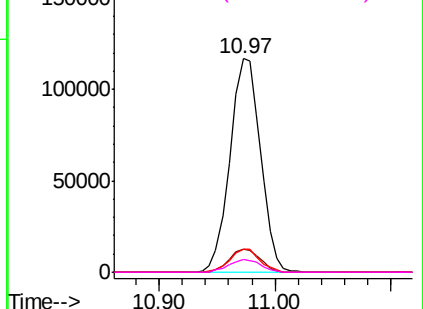
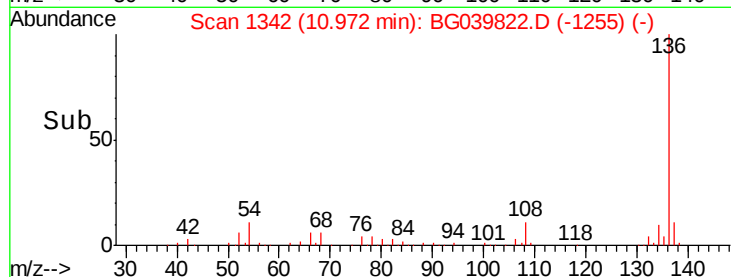
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	213509
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

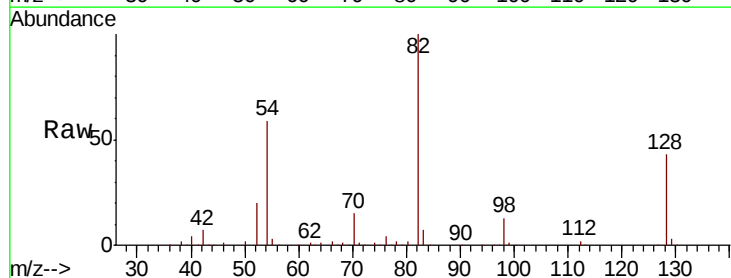


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

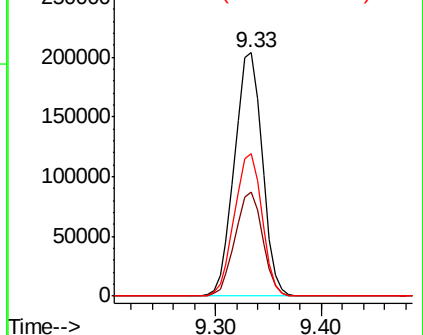
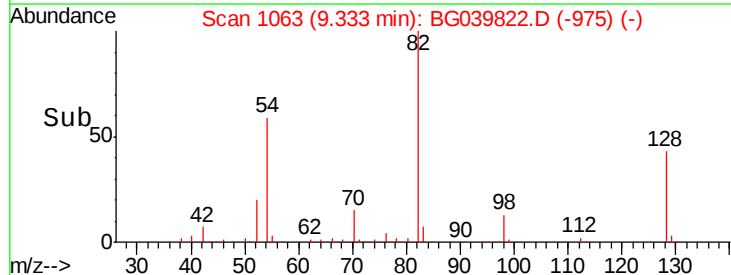


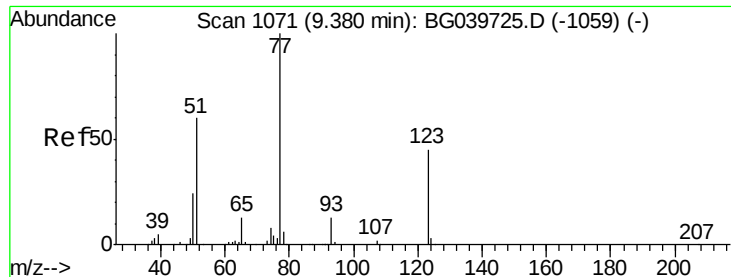
#23
Nitrobenzene-d5
Concen: 94.089 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion: 82	Resp:	371439
Ion	Ratio	Lower Upper
82	100	
128	42.9	31.3 46.9
54	58.7	50.9 76.3



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

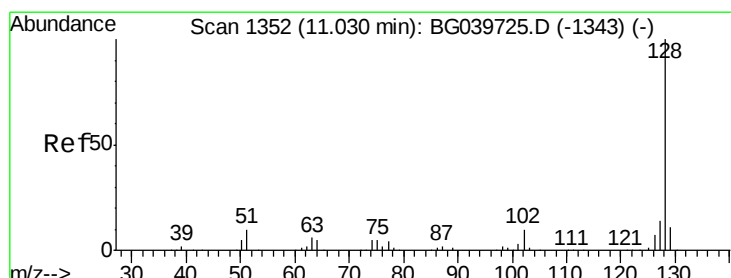
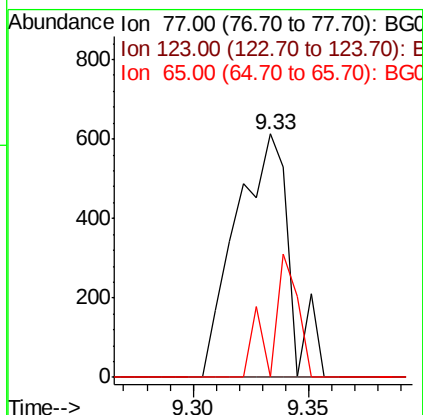
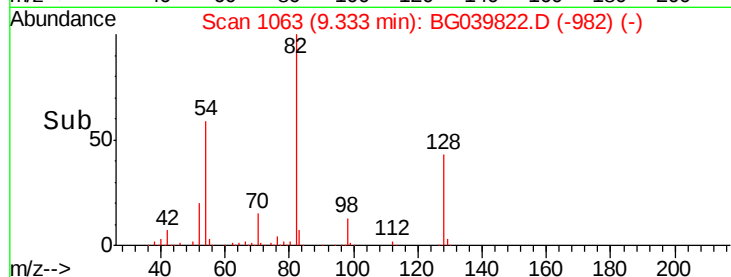
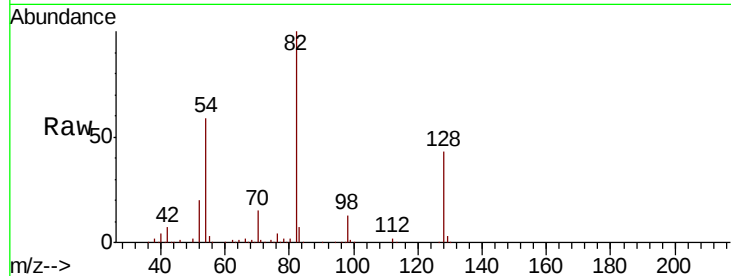




#24
Nitrobenzene
Concen: 0.239 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.05 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

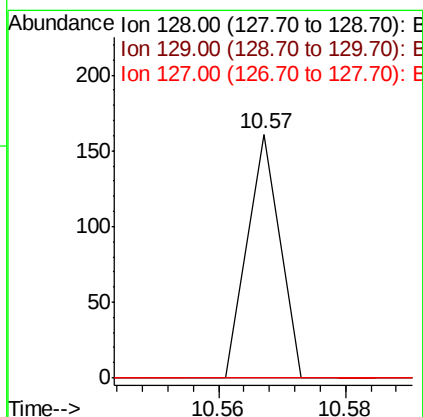
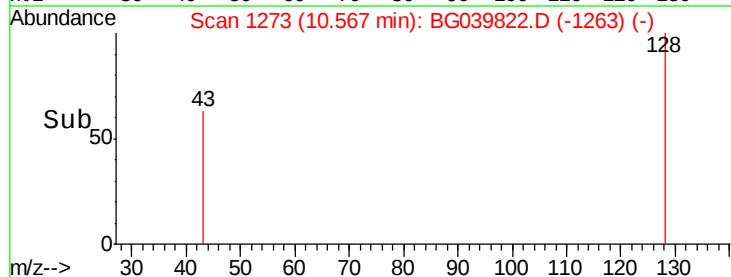
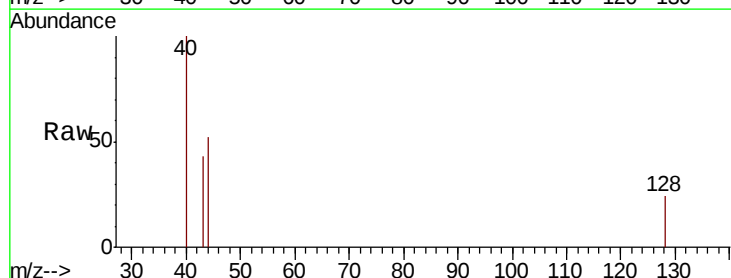
Instrument :
BNA_G
ClientSampleId :

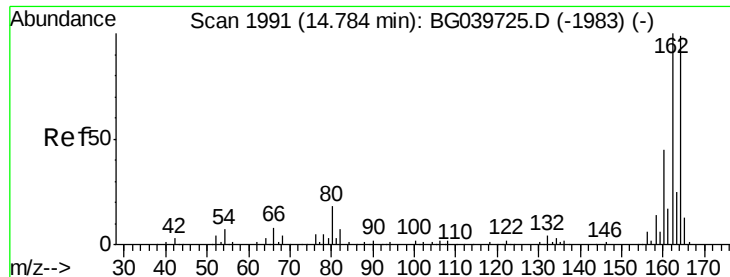
Tot Ion: 77 Resp: 989
Ion Ratio Lower Upper
77 100
123 0.0 34.1 51.1#
65 0.0 12.3 18.5#



#31
Naphthalene
Concen: 0.005 ng
RT: 10.57 min Scan# 1273
Delta R.T. -0.47 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion: 128 Resp: 57
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.8 16.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

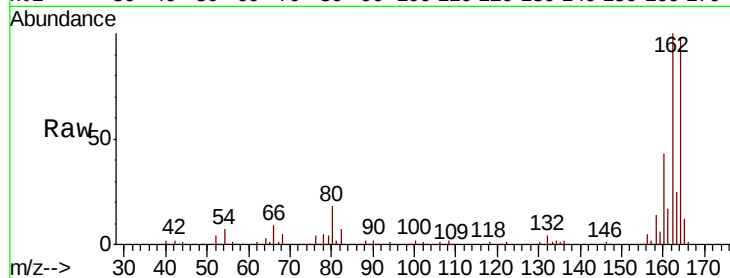
Tot Ion:164 Resp: 152973

Ion Ratio Lower Upper

164 100

162 101.6 81.6 122.4

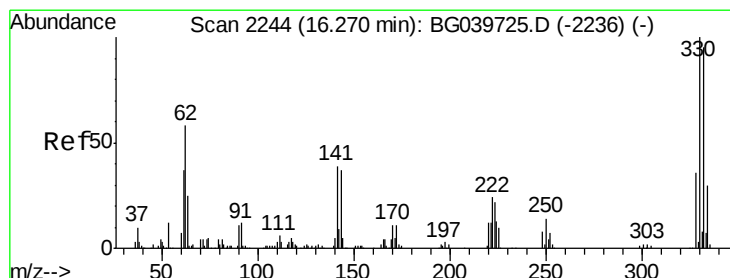
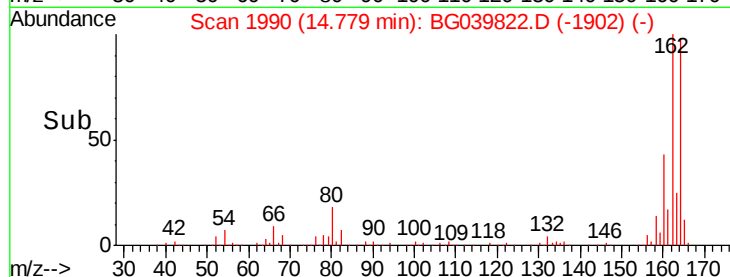
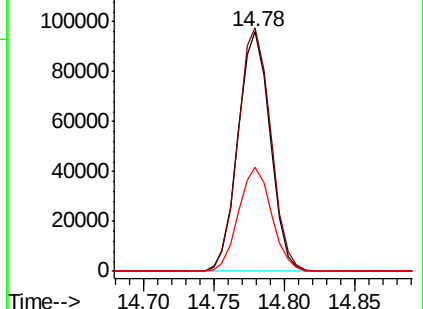
160 43.6 34.2 51.2



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: 145.522 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

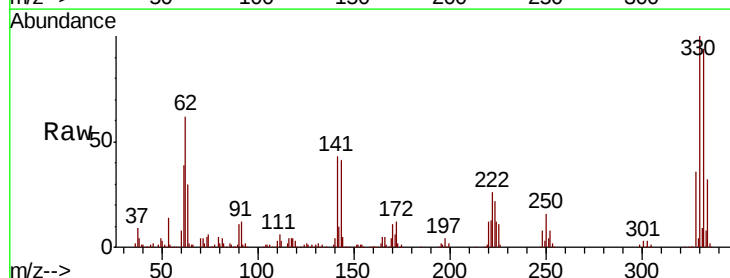
Tgt Ion:330 Resp: 259467

Ion Ratio Lower Upper

330 100

332 95.2 75.7 113.5

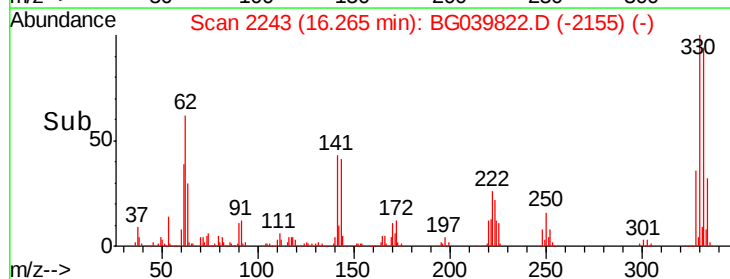
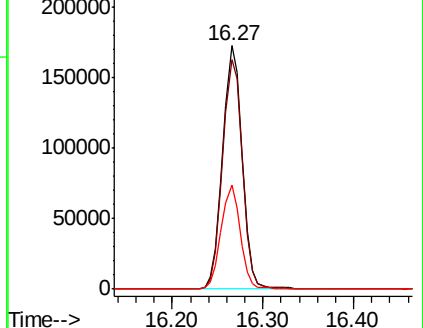
141 41.8 35.6 53.4

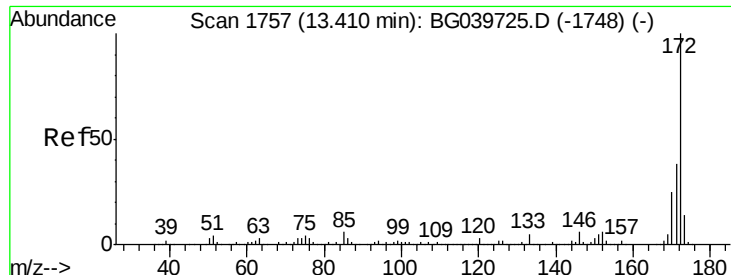


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

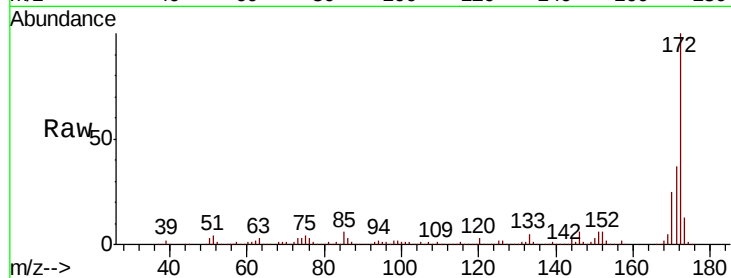




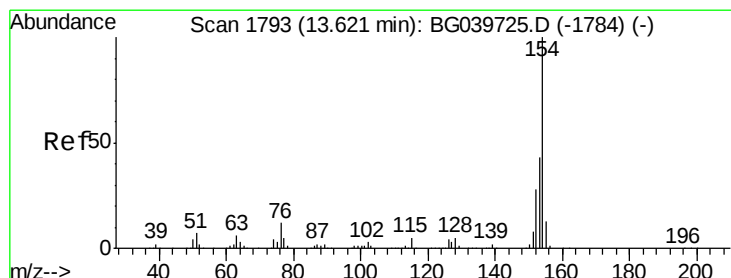
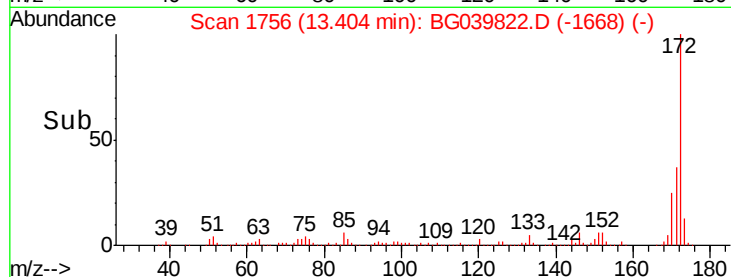
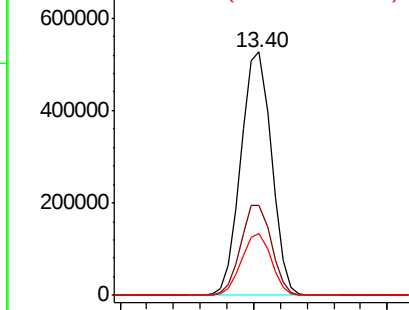
#45
2-Fluorobiphenyl
Concen: 77.964 ng
RT: 13.40 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 837628
Ion Ratio Lower Upper
172 100
171 37.0 30.8 46.2
170 25.2 20.2 30.4

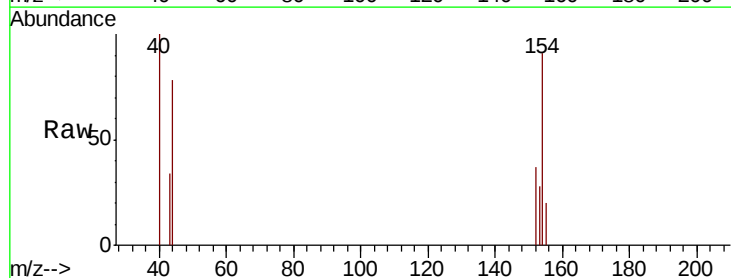


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

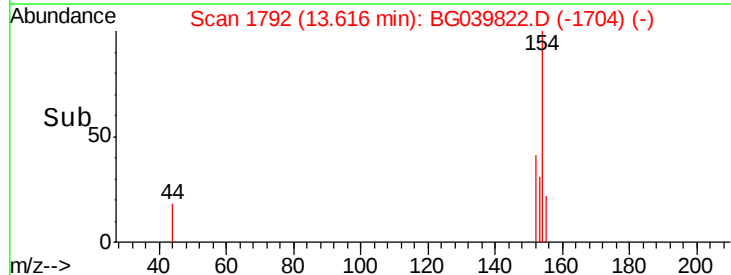
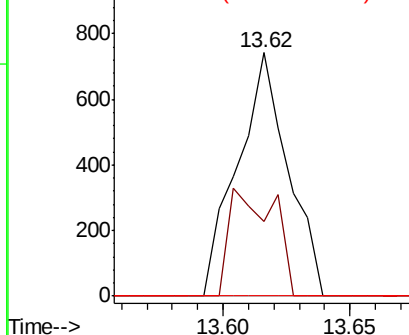


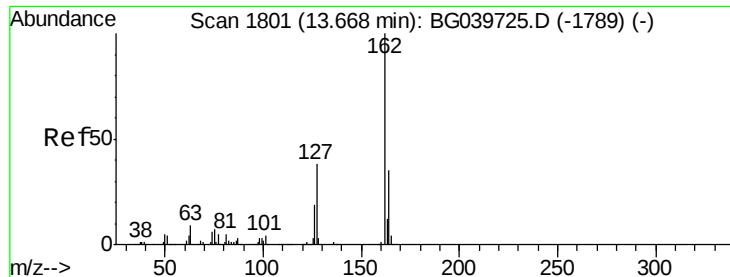
#46
1,1'-Biphenyl
Concen: 0.082 ng
RT: 13.62 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion:154 Resp: 1034
Ion Ratio Lower Upper
154 100
153 30.6 22.1 62.1
76 0.0 0.0 32.4



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

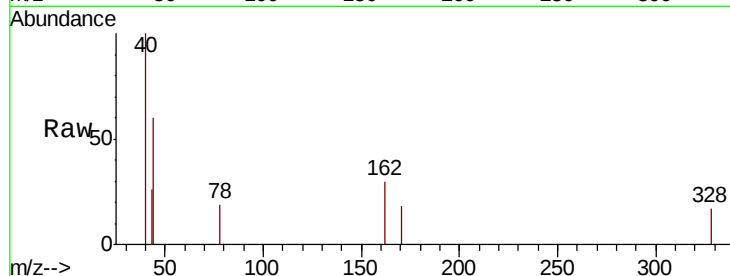




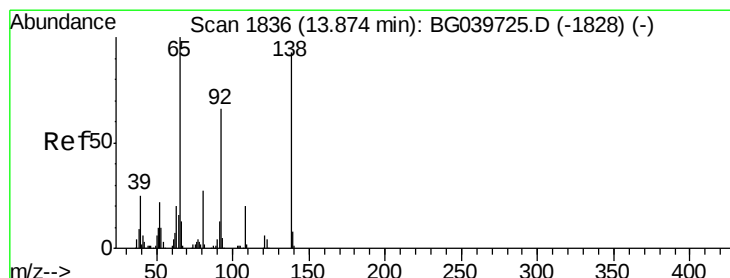
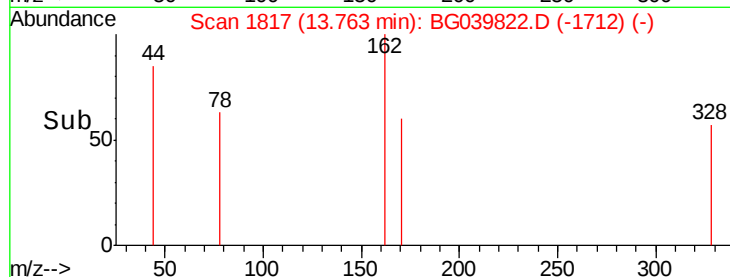
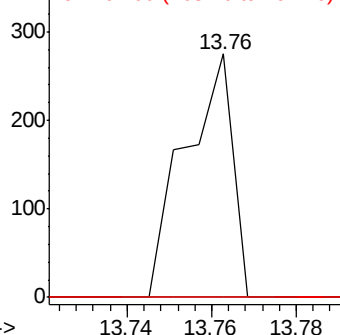
#47
 2-Chloronaphthalene
 Concen: 0.023 ng
 RT: 13.76 min Scan# 1817
 Delta R.T. 0.09 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	31.0	46.6#
164	0.0	25.7	38.5#

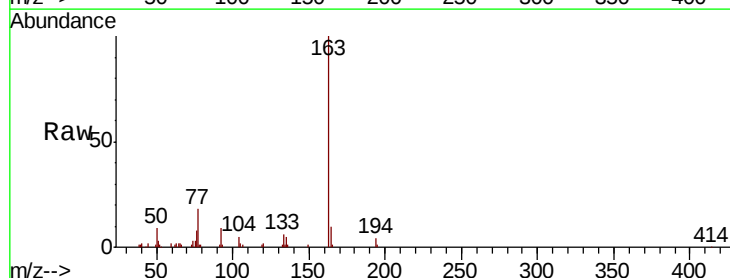


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

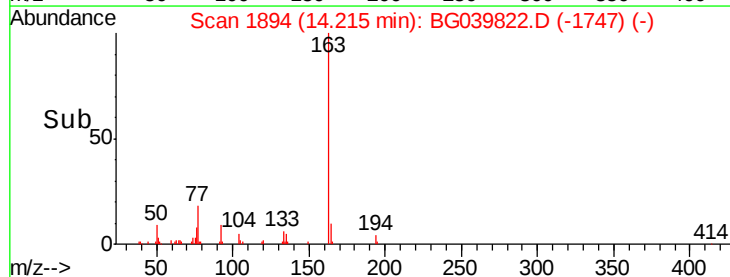
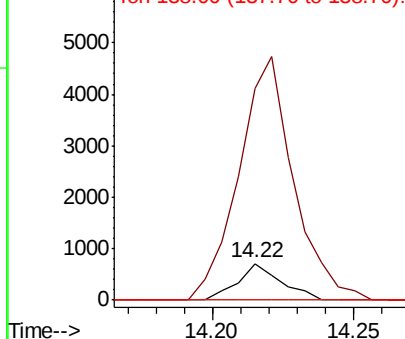


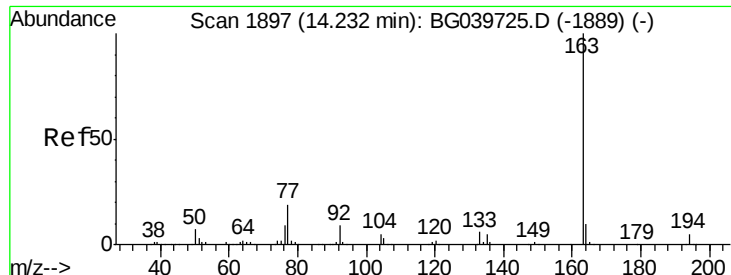
#48
 2-Nitroaniline
 Concen: 0.247 ng
 RT: 14.22 min Scan# 1894
 Delta R.T. 0.33 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	581.2	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





#50

Dimethylphthalate

Concen: 5.567 ng

RT: 14.22 min Scan# 1895

Delta R.T. -0.02 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

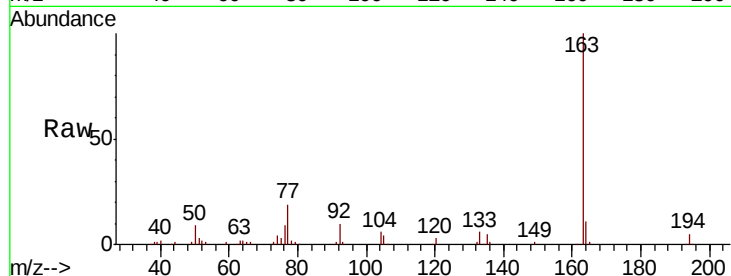
Tot Ion:163 Resp: 71212

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

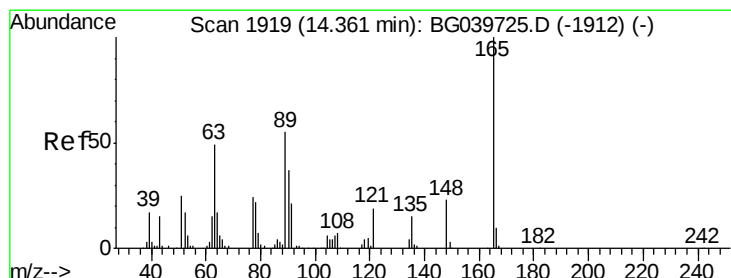
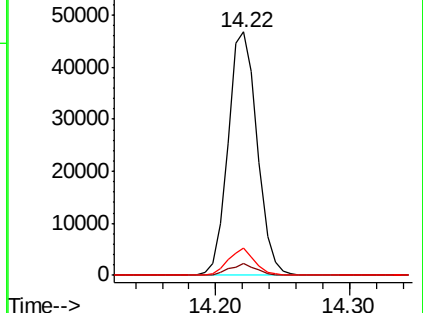
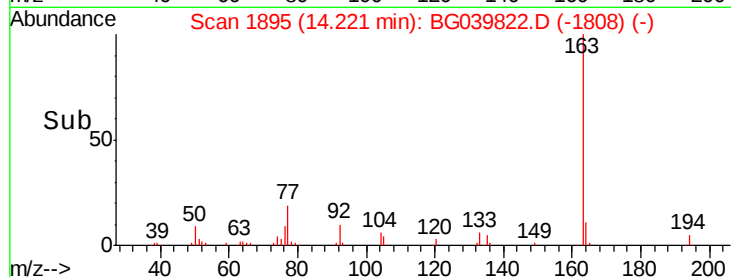
164 11.0 8.4 12.6



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: 7.459 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

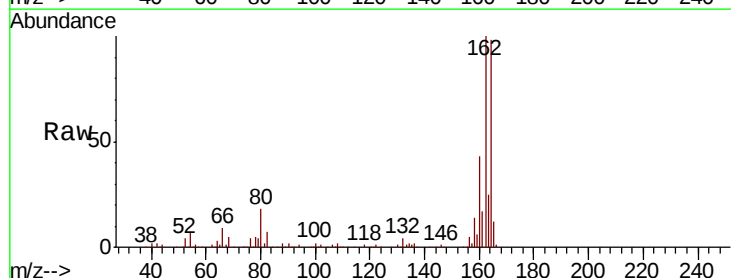
Tgt Ion:165 Resp: 20227

Ion Ratio Lower Upper

165 100

63 2.8 47.0 70.6#

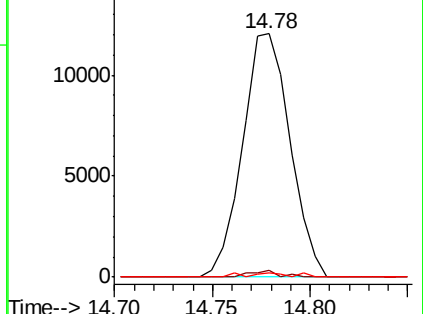
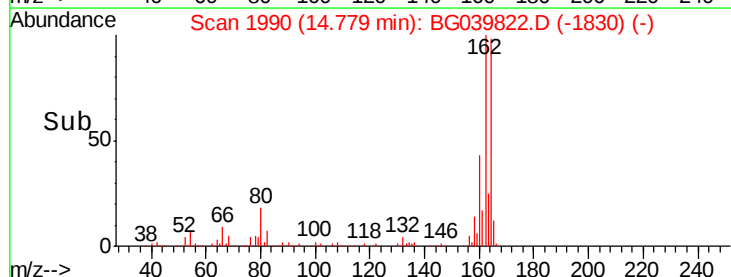
89 1.7 45.8 68.8#

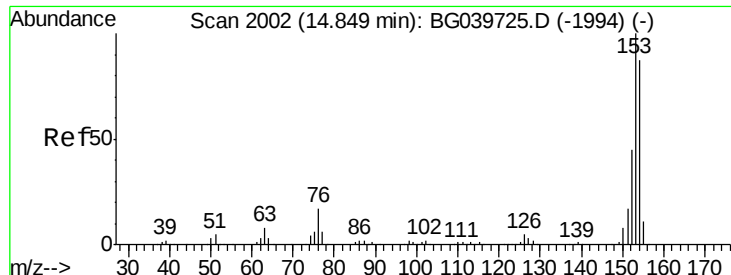


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.055 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.08 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

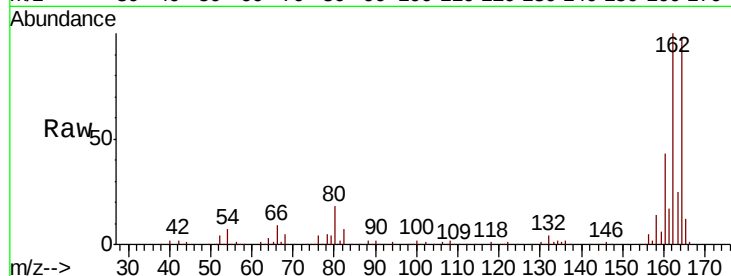
Tot Ion:154 Resp: 511

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

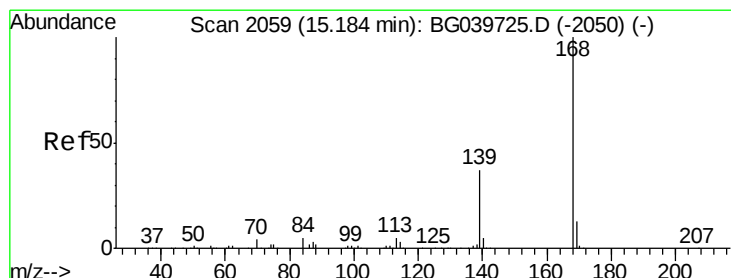
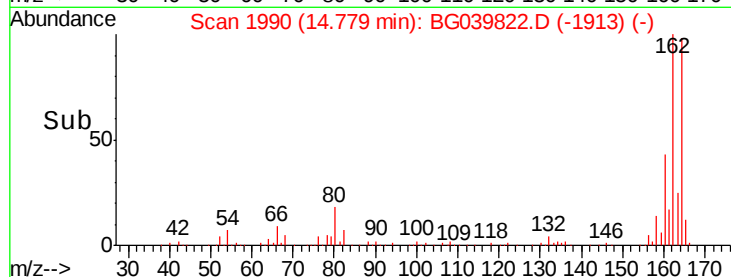
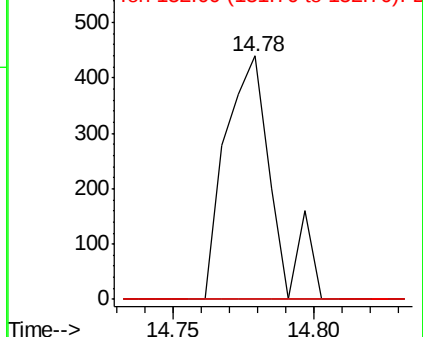
152 0.0 40.9 61.3#



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: 0.004 ng

RT: 14.84 min Scan# 2001

Delta R.T. -0.34 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

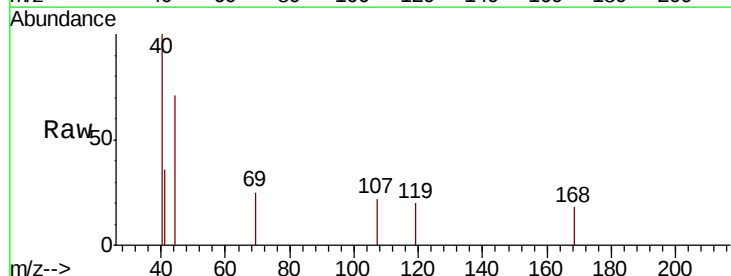
Tgt Ion:168 Resp: 56

Ion Ratio Lower Upper

168 100

139 0.0 30.1 45.1#

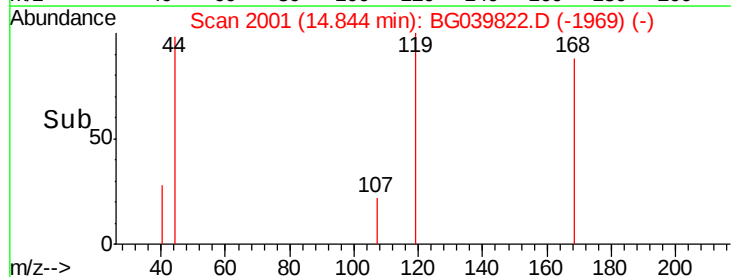
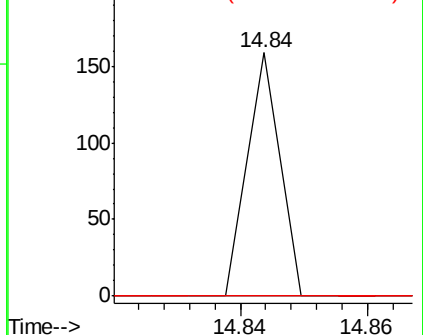
169 0.0 10.6 16.0#

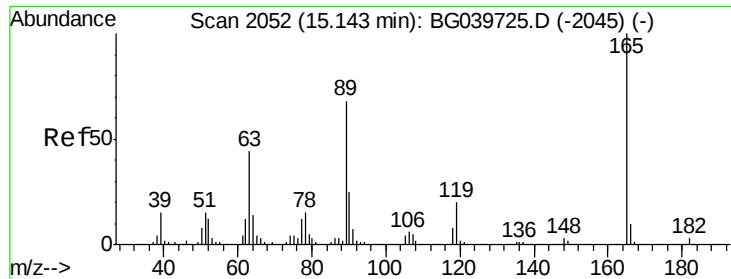


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

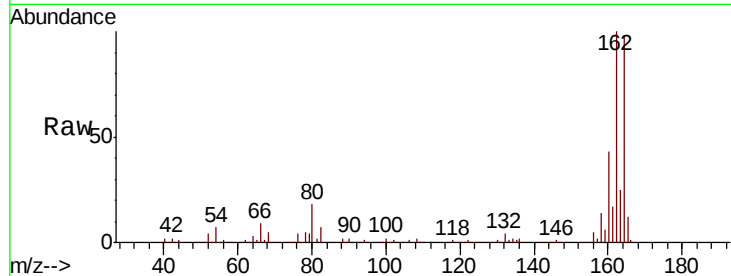




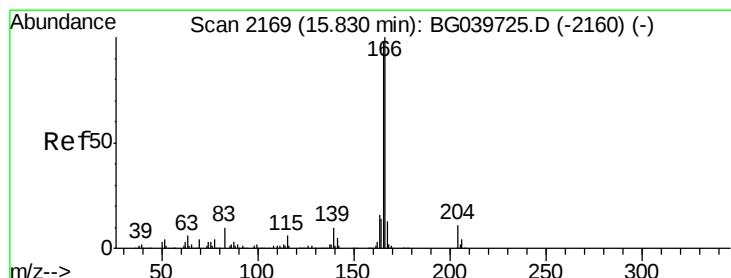
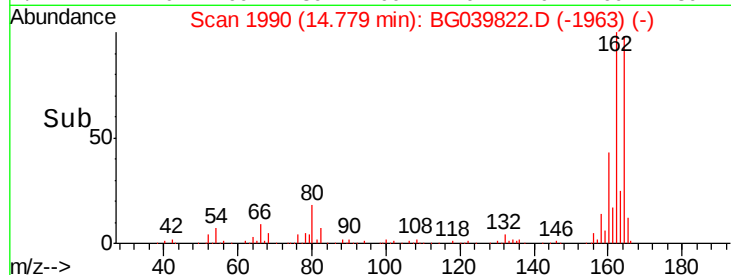
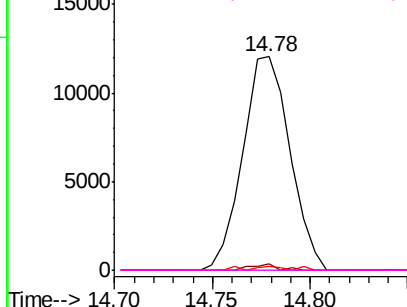
#57
 2,4-Dinitrotoluene
 Concen: 5.309 ng
 RT: 14.78 min Scan# 1990
 Delta R.T. -0.37 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	20227
Ion Ratio	Lower	Upper
165	100	
63	2.8	41.0 61.6#
89	1.7	64.6 96.8#
182	0.0	2.0 3.0#

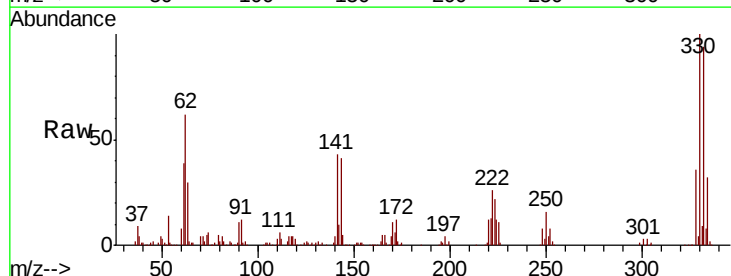


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

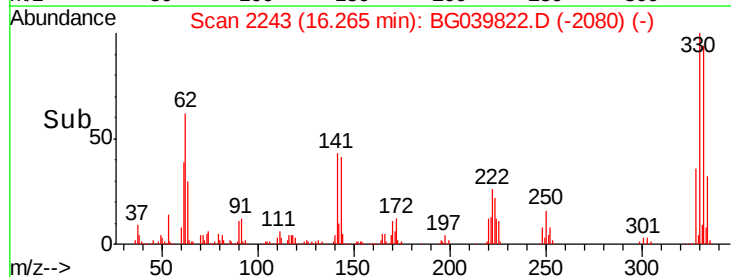
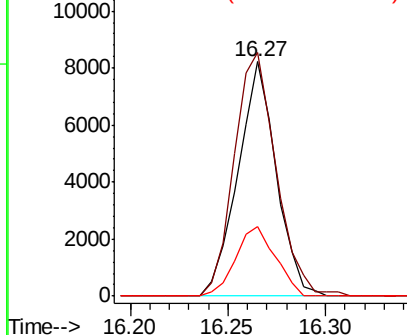


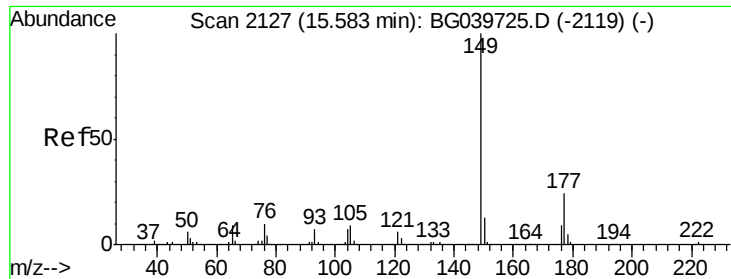
#58
 Fluorene
 Concen: 0.925 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. 0.43 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Tgt Ion:166	Resp:	11156
Ion Ratio	Lower	Upper
166	100	
165	104.0	77.9 116.9
167	29.5	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

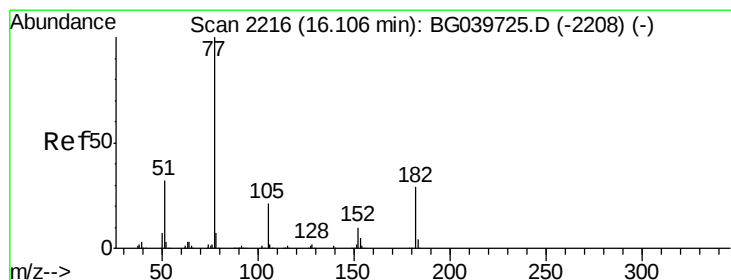
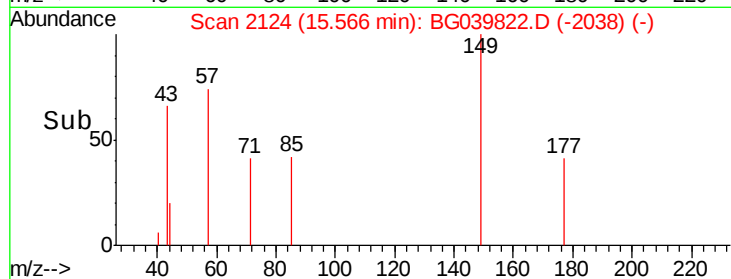
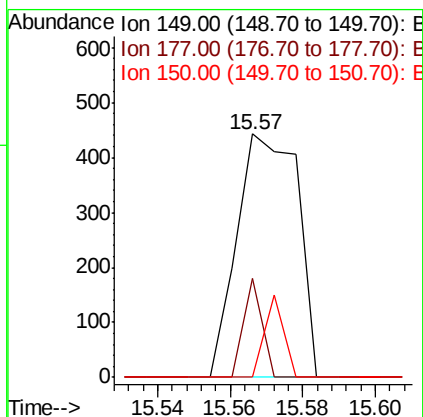
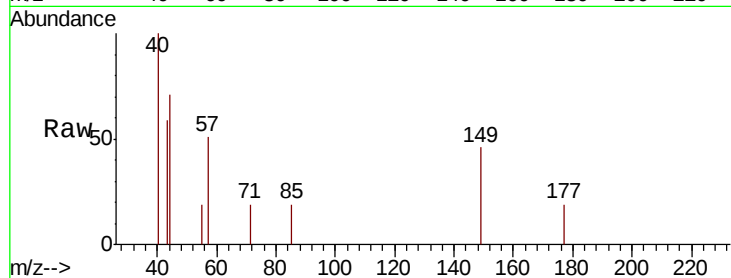




#60
Diethylphthalate
Concen: 0.041 ng
RT: 15.57 min Scan# 2124
Delta R.T. -0.02 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

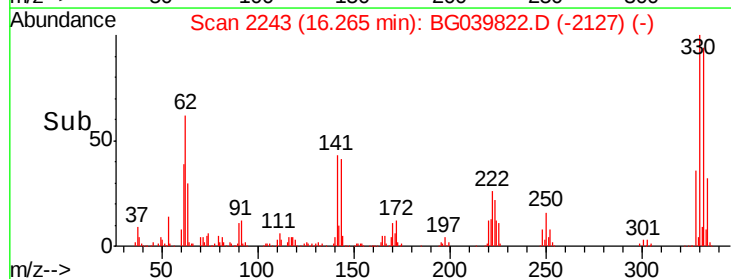
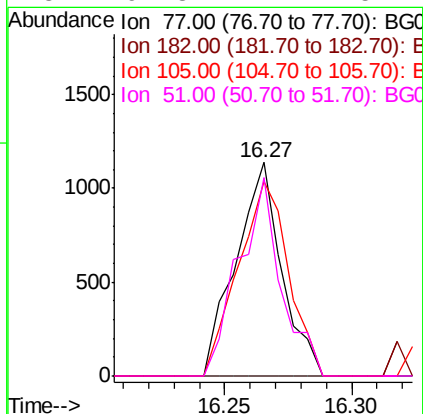
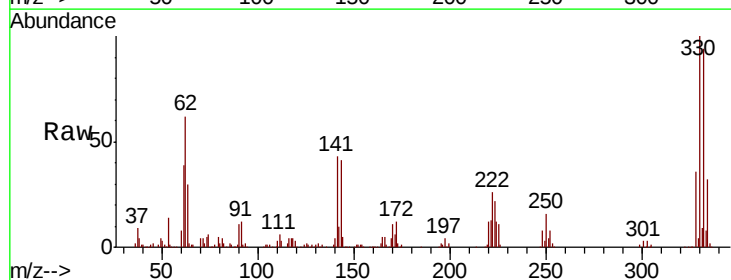
Instrument :
BNA_G
ClientSampleId :

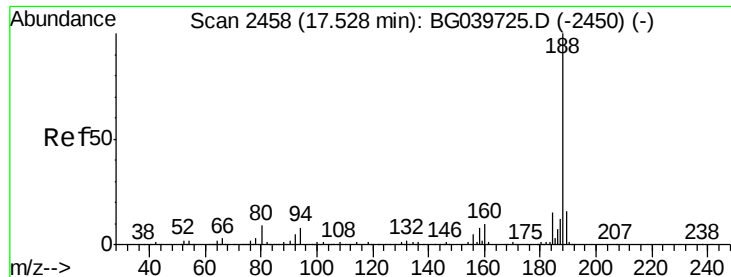
Tot Ion:149 Resp: 513
Ion Ratio Lower Upper
149 100
177 40.9 18.3 27.5#
150 0.0 10.2 15.2#



#63
Azobenzene
Concen: 0.125 ng
RT: 16.27 min Scan# 2243
Delta R.T. 0.15 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion: 77 Resp: 1431
Ion Ratio Lower Upper
77 100
182 0.0 6.4 46.4#
105 91.0 0.0 39.8#
51 92.8 14.1 54.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2457

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

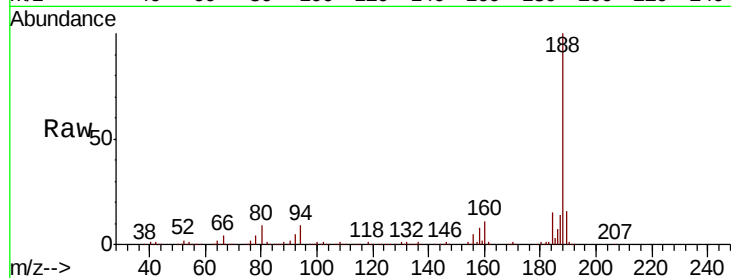
Tot Ion:188 Resp: 371378

Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

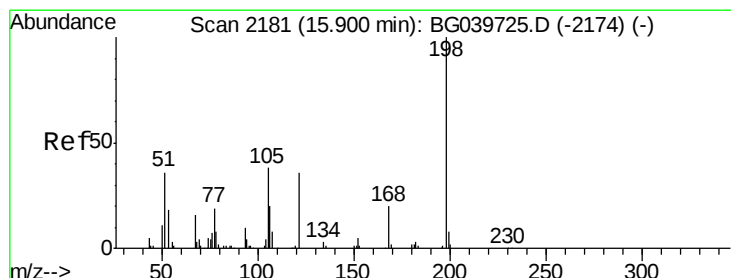
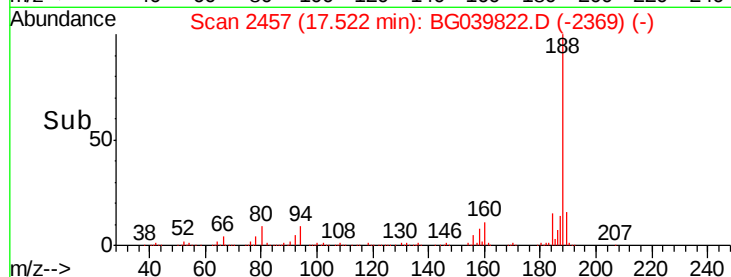
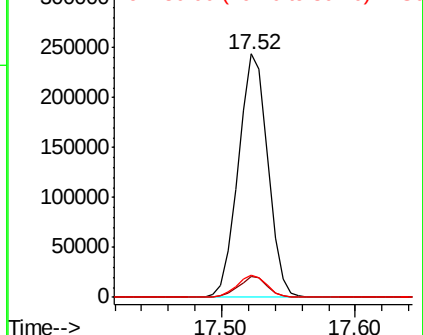
80 9.4 8.1 12.1



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: 0.442 ng

RT: 16.27 min Scan# 2243

Delta R.T. 0.36 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

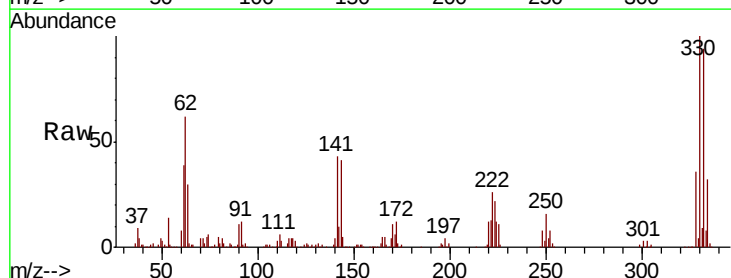
Tgt Ion:198 Resp: 970

Ion Ratio Lower Upper

198 100

51 159.2 27.4 67.4#

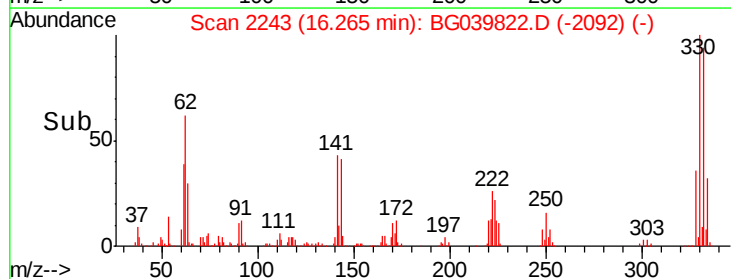
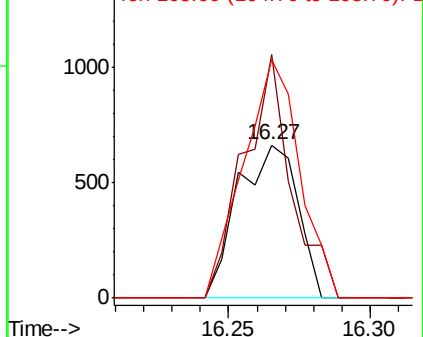
105 156.2 19.7 59.7#

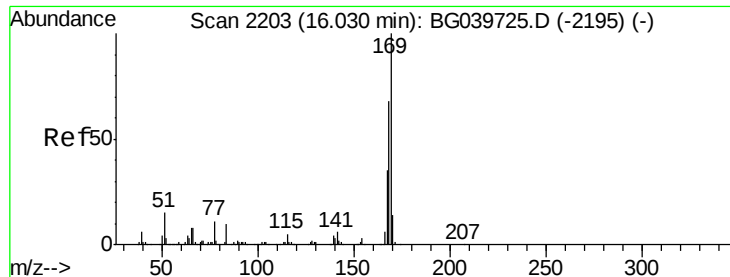


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

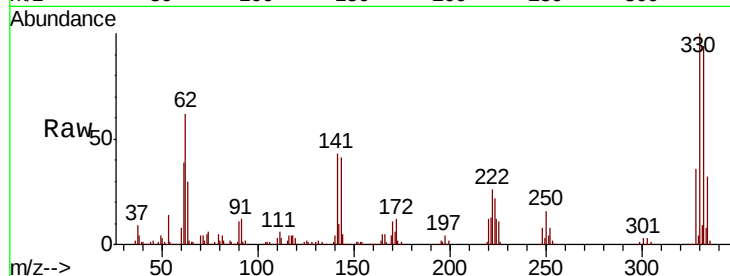




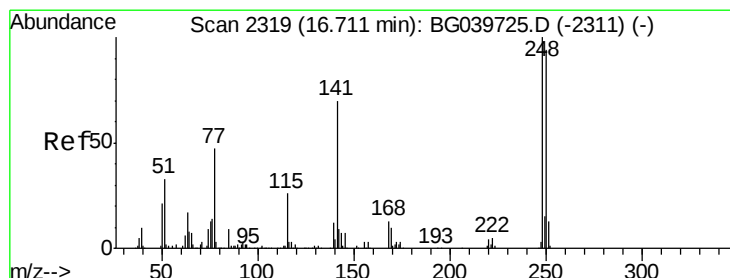
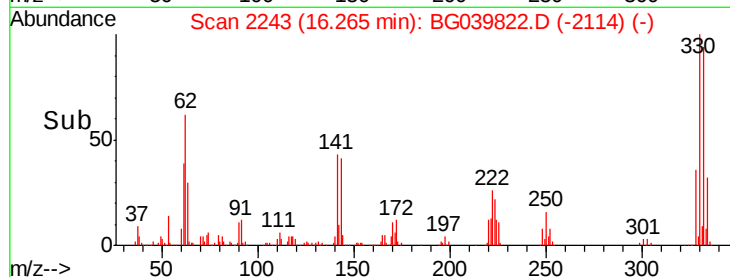
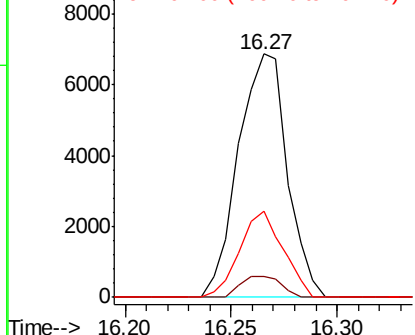
#66
 n-Nitrosodiphenylamine
 Concen: 1.024 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. 0.23 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:169 Resp: 11009
 Ion Ratio Lower Upper
 169 100
 168 8.4 56.6 85.0#
 167 35.3 28.8 43.2

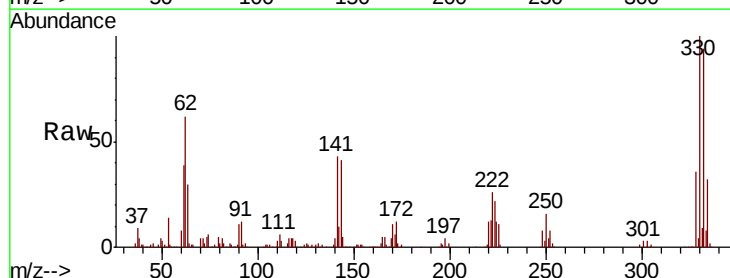


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

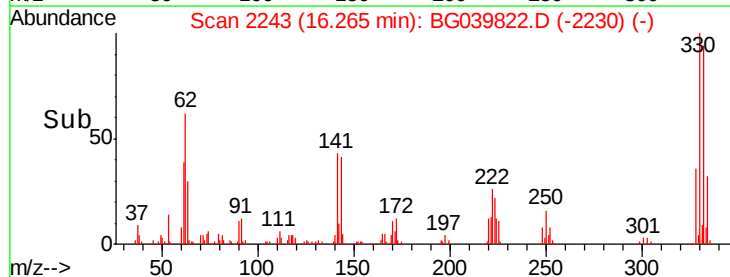
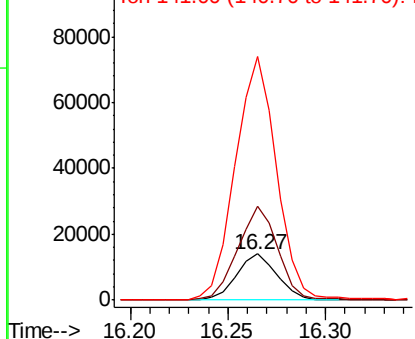


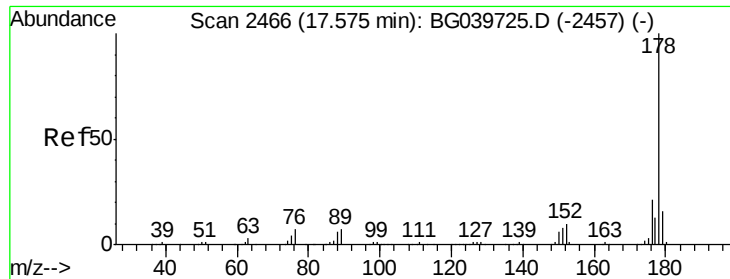
#67
 4-Bromophenyl-phenylether
 Concen: 4.876 ng
 RT: 16.27 min Scan# 2243
 Delta R.T. -0.45 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Tgt Ion:248 Resp: 20271
 Ion Ratio Lower Upper
 248 100
 250 203.7 77.6 116.4#
 141 527.9 63.9 95.9#



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





#71

Phenanthrene

Concen: 0.015 ng

RT: 17.57 min Scan# 2465

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampled :

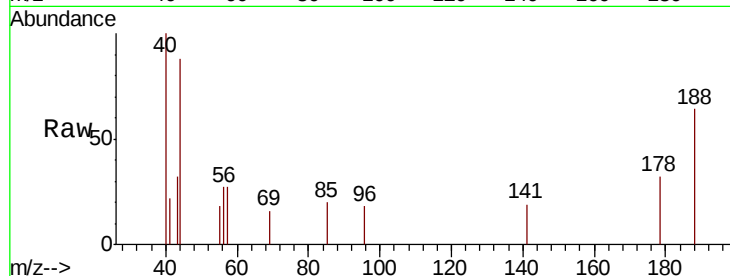
Tot Ion:178 Resp: 307

Ion Ratio Lower Upper

178 100

176 0.0 16.2 24.4#

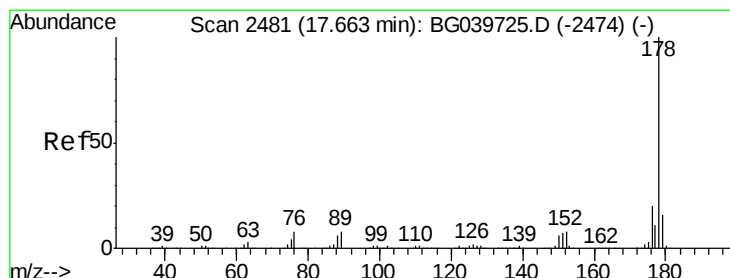
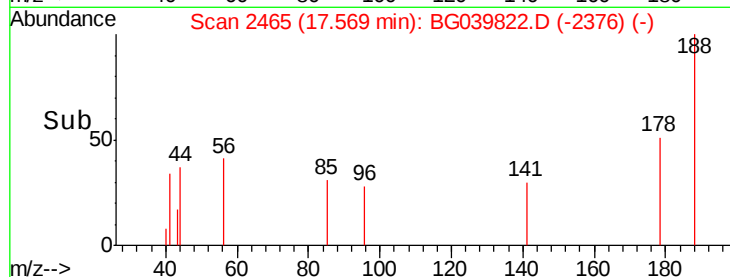
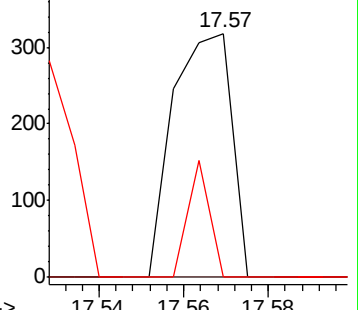
179 0.0 12.6 19.0#



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: 0.015 ng

RT: 17.57 min Scan# 2465

Delta R.T. -0.10 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

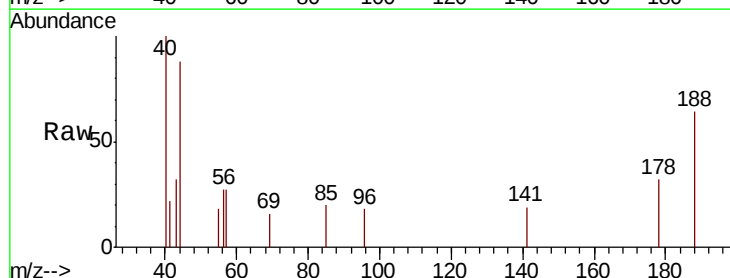
Tgt Ion:178 Resp: 307

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

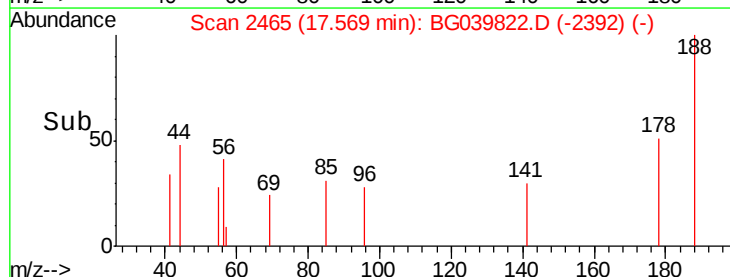
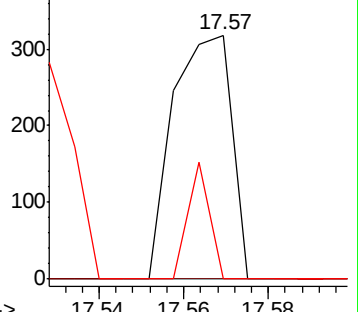
179 0.0 12.5 18.7#

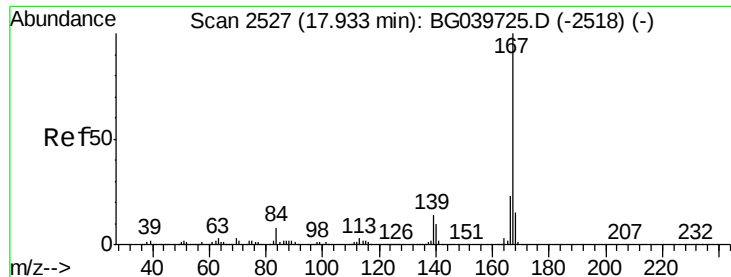


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

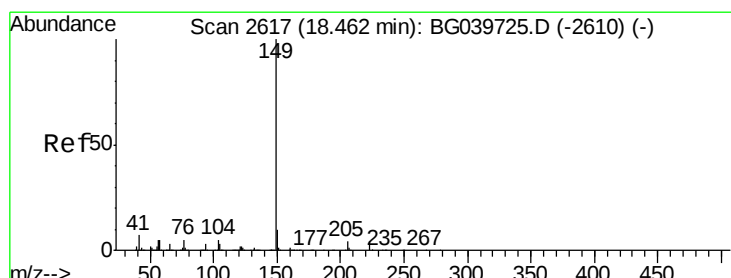
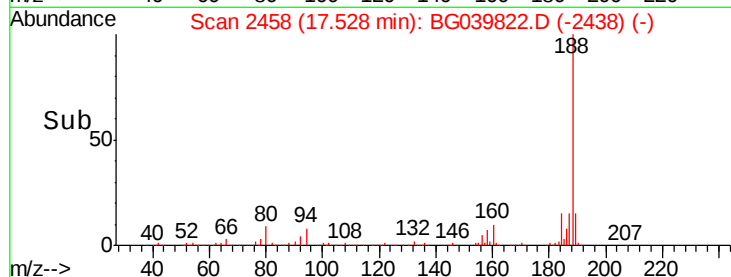
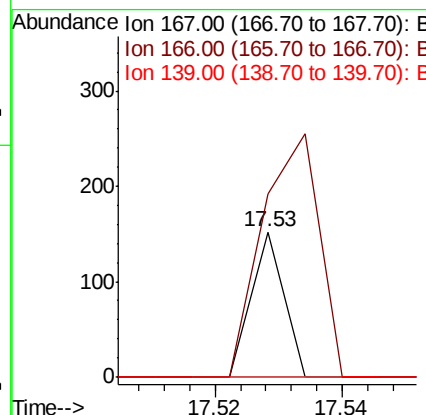
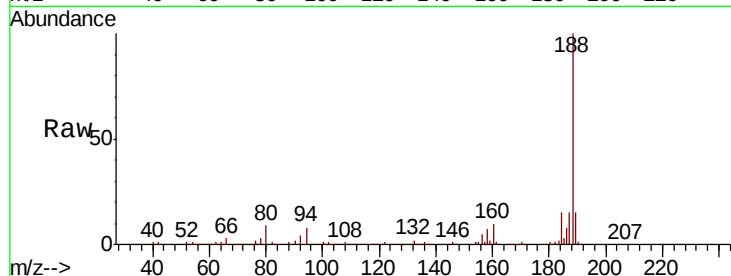




#73
 Carbazole
 Concen: 0.003 ng
 RT: 17.53 min Scan# 2458
 Delta R.T. -0.41 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

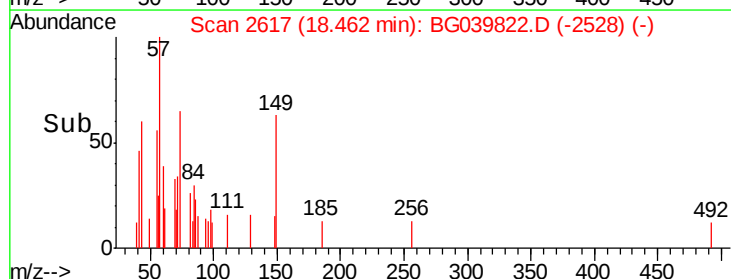
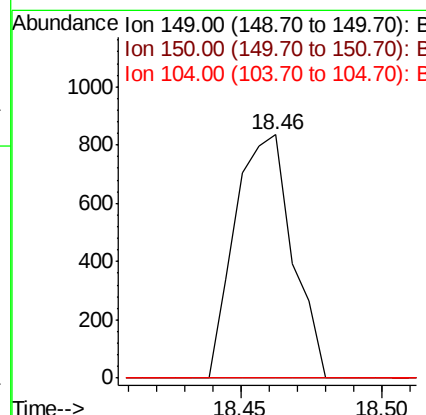
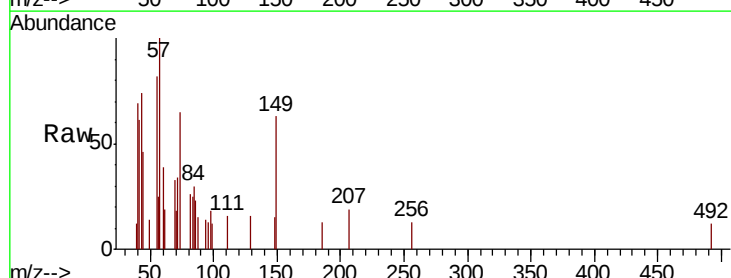
Instrument :
 BNA_G
 ClientSampleId :

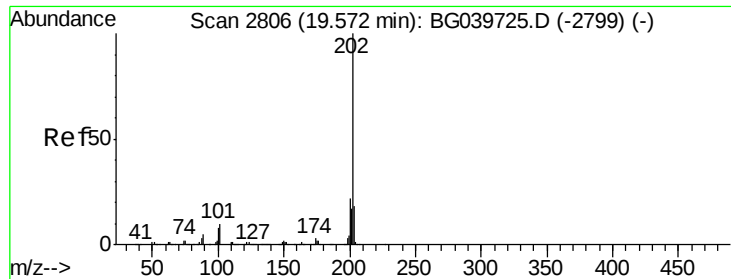
Tot Ion:167 Resp: 54
 Ion Ratio Lower Upper
 167 100
 166 126.3 19.4 29.2#
 139 0.0 10.8 16.2#



#74
 Di-n-butylphthalate
 Concen: 0.056 ng
 RT: 18.46 min Scan# 2617
 Delta R.T. -0.01 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Tgt Ion:149 Resp: 1174
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.7 11.5#
 104 0.0 4.5 6.7#

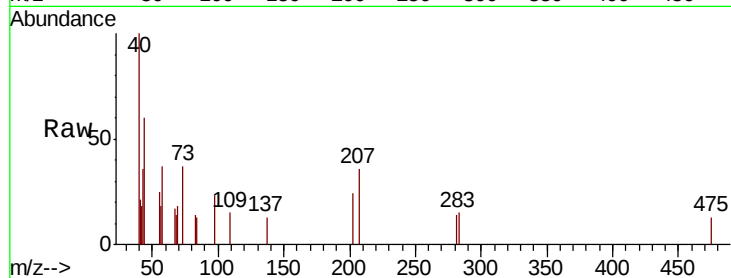




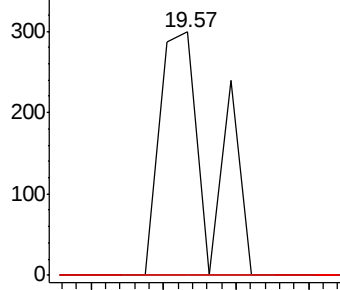
#75
 Fluoranthene
 Concen: 0.012 ng
 RT: 19.57 min Scan# 2805
 Delta R.T. -0.01 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

Instrument :
 BNA_G
 ClientSampled :

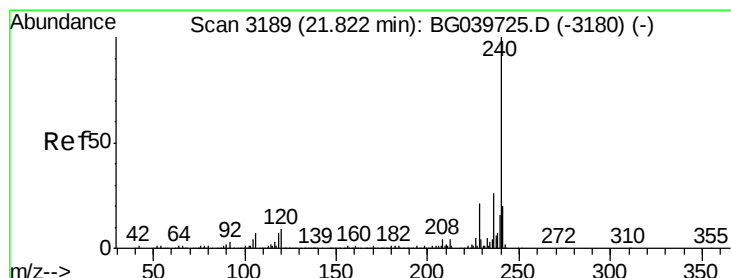
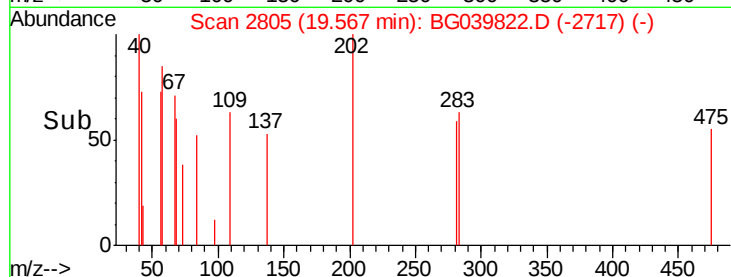
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	30.0
203	0.0	0.0	38.9



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

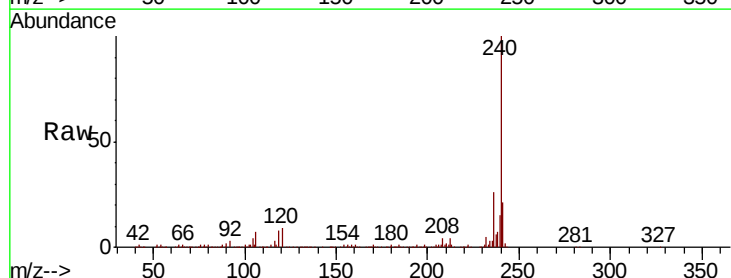


Time-->

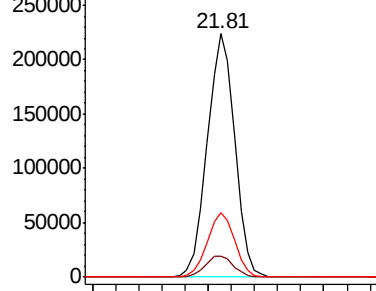


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3187
 Delta R.T. -0.02 min
 Lab File: BG039822.D
 Acq: 8 Mar 2019 15:38

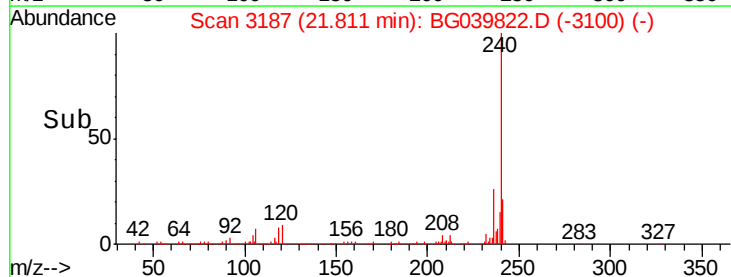
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.0	10.6
236	26.3	21.0	31.4

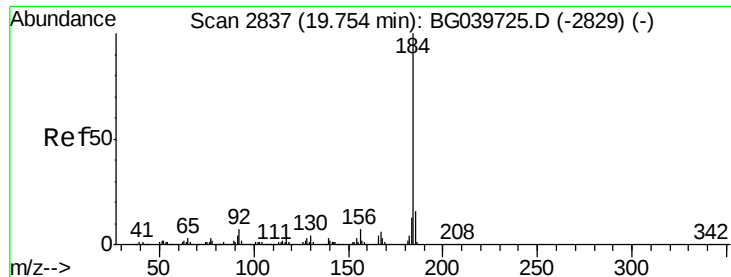


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 1.856 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.36 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

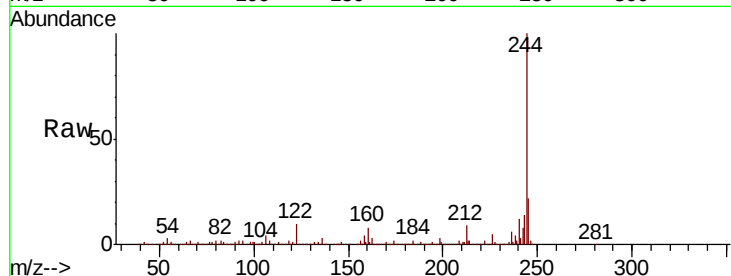
Tot Ion:184 Resp: 21725

Ion Ratio Lower Upper

184 100

185 18.0 12.2 18.2

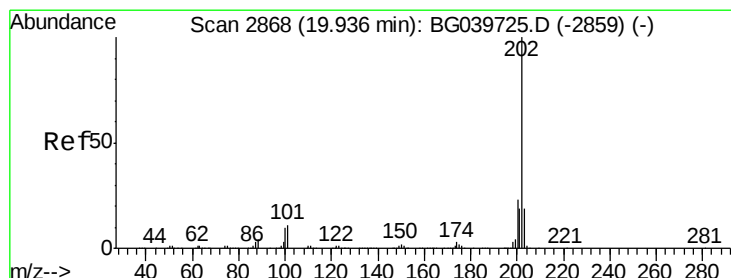
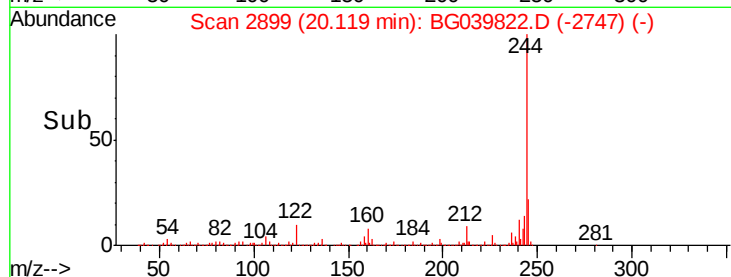
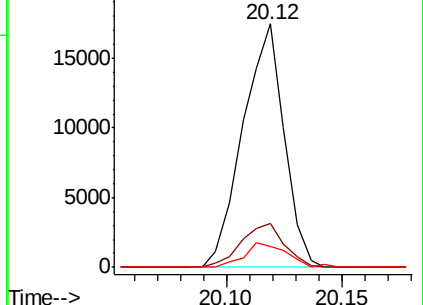
183 8.5 10.6 15.8#



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: 0.015 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

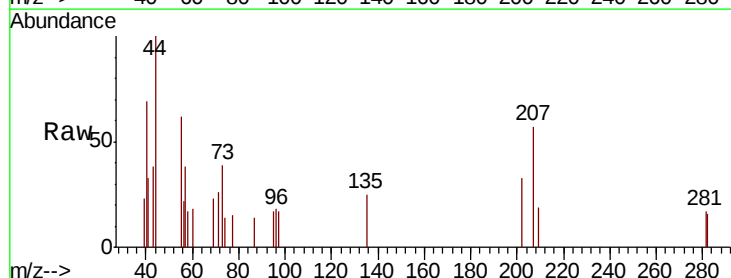
Tgt Ion:202 Resp: 353

Ion Ratio Lower Upper

202 100

200 0.0 17.8 26.8#

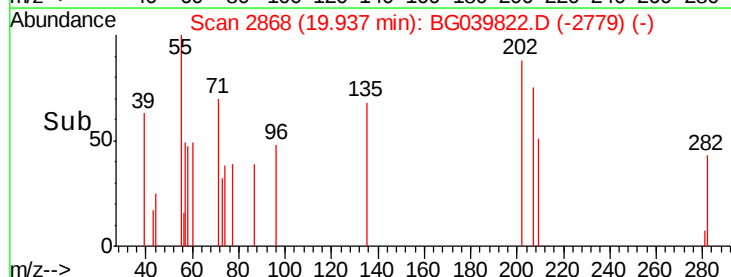
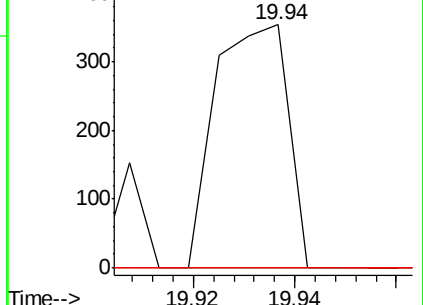
203 0.0 15.3 22.9#

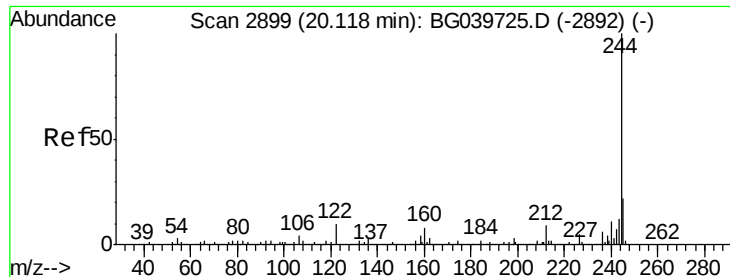


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 75.470 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

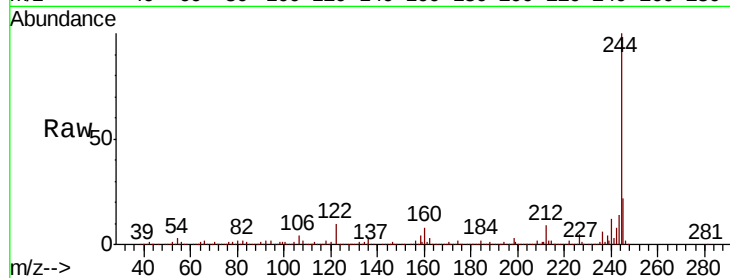
Tot Ion:244 Resp: 1264095

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

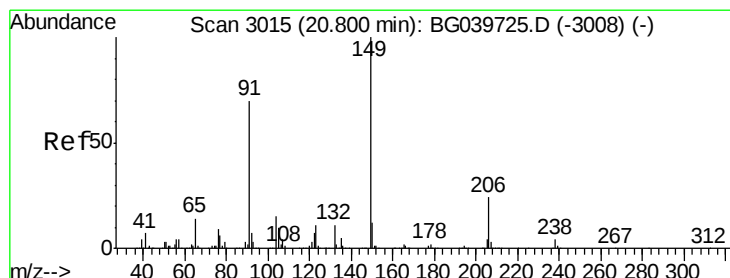
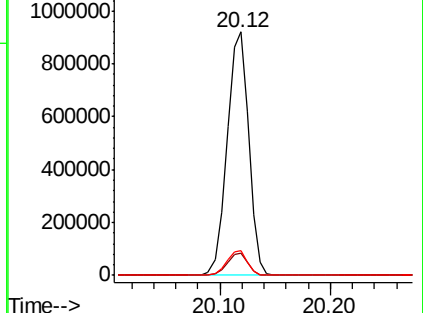
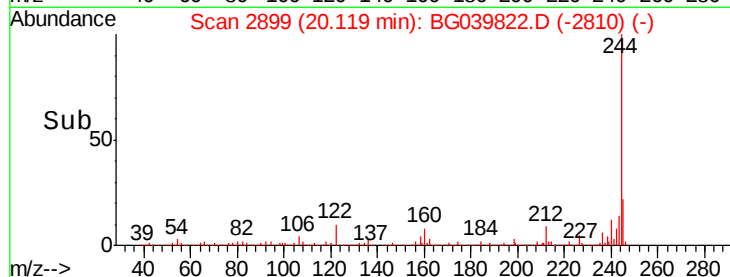
122 10.2 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.010 ng

RT: 20.79 min Scan# 3013

Delta R.T. -0.02 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

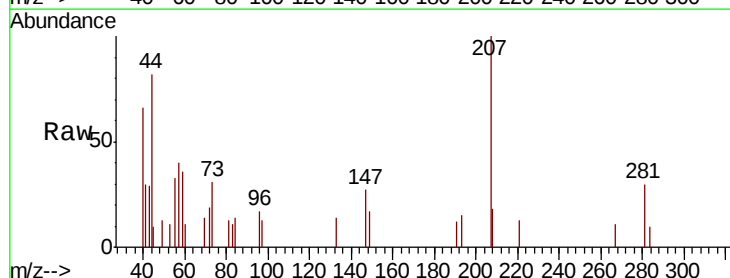
Tgt Ion:149 Resp: 90

Ion Ratio Lower Upper

149 100

91 0.0 59.5 89.3#

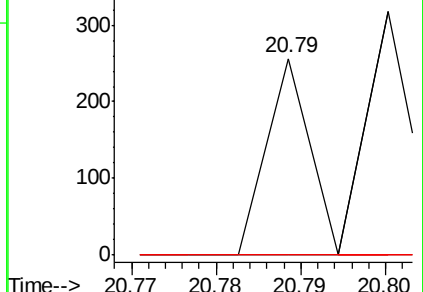
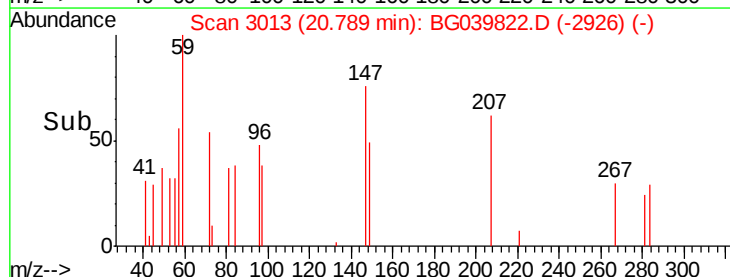
206 0.0 18.6 27.8#

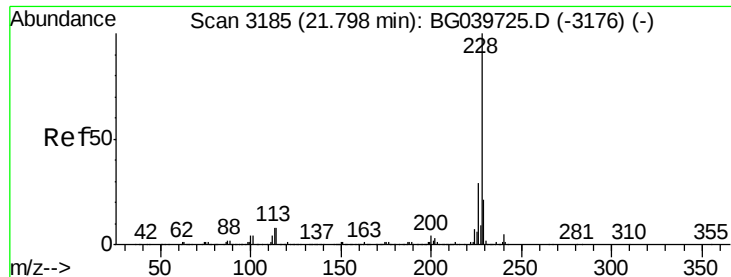


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.045 ng

RT: 21.80 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

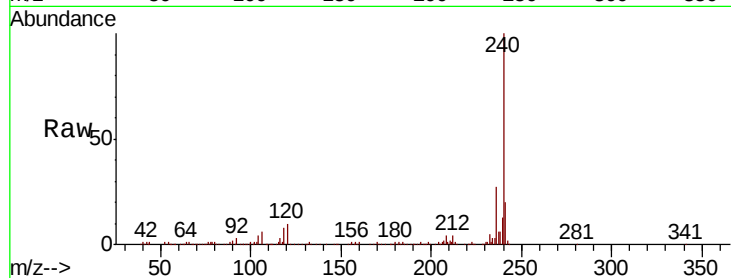
Tot Ion:228 Resp: 1046

Ion Ratio Lower Upper

228 100

226 0.0 23.0 34.6#

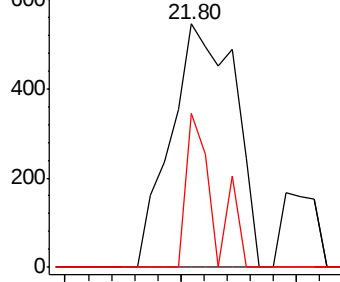
229 63.4 16.9 25.3#



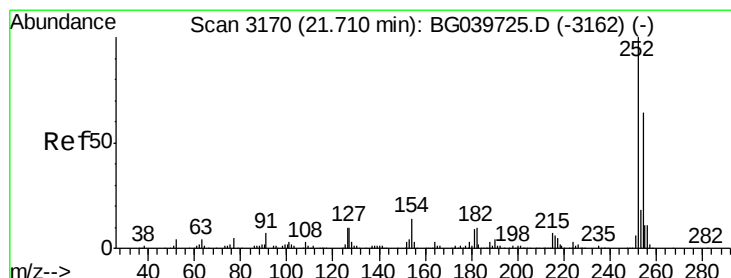
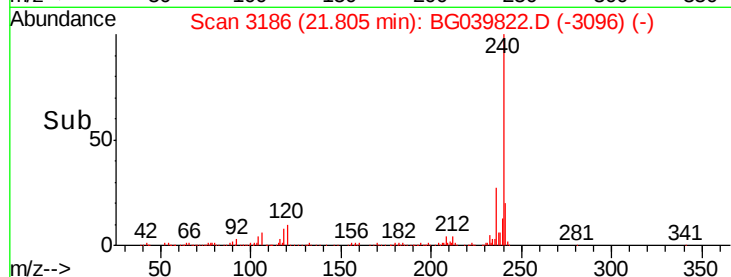
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

3,3'-Dichlorobenzidine

Concen: 0.008 ng

RT: 21.41 min Scan# 3118

Delta R.T. -0.31 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

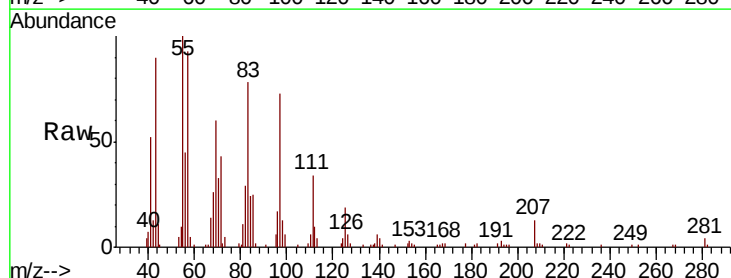
Tgt Ion:252 Resp: 67

Ion Ratio Lower Upper

252 100

254 0.0 51.3 76.9#

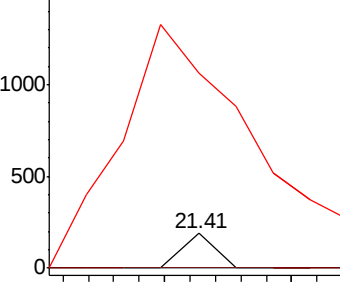
126 560.0 8.0 12.0#



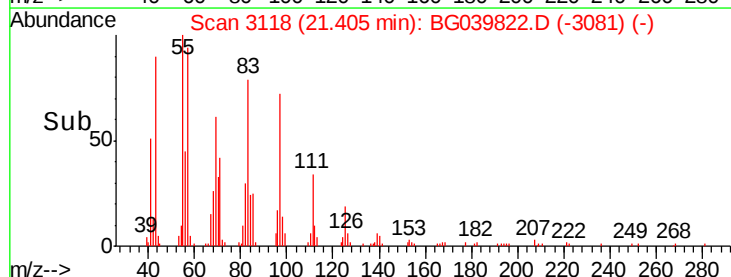
Abundance Ion 252.00 (251.70 to 252.70): E

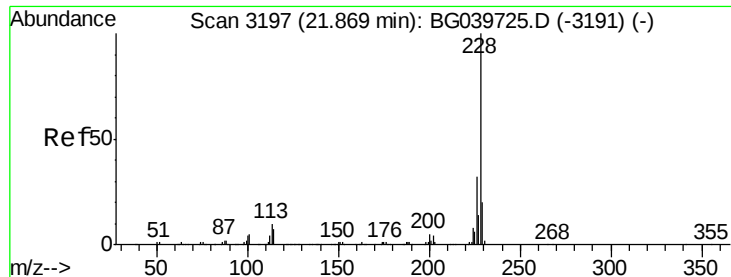
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->





#83

Chrysene

Concen: 0.007 ng

RT: 21.85 min Scan# 3193

Delta R.T. -0.03 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampled :

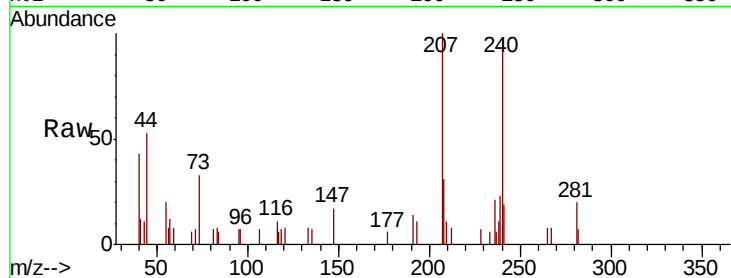
Tot Ion:228 Resp: 168

Ion Ratio Lower Upper

228 100

226 0.0 25.8 38.6#

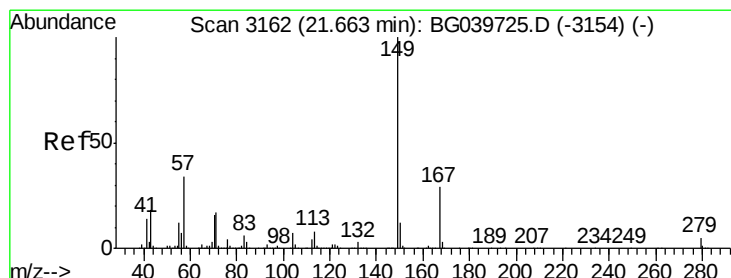
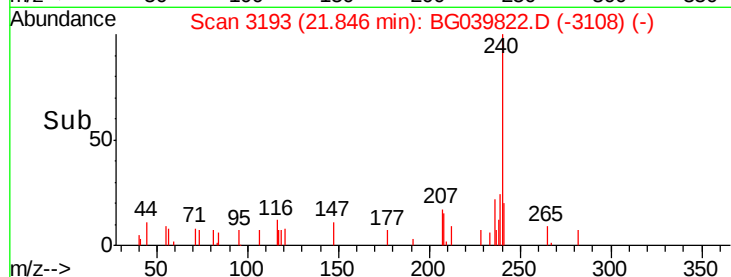
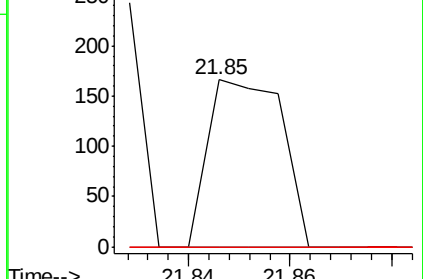
229 0.0 16.6 25.0#



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: 0.130 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

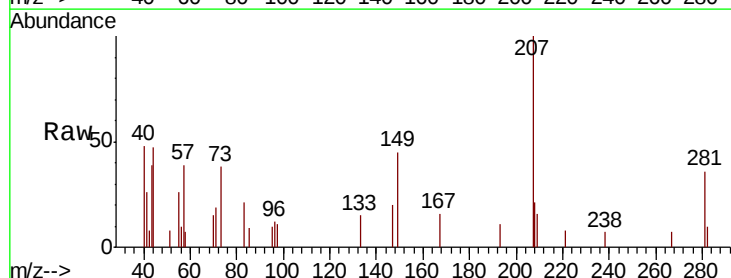
Tgt Ion:149 Resp: 1693

Ion Ratio Lower Upper

149 100

167 35.1 22.6 34.0#

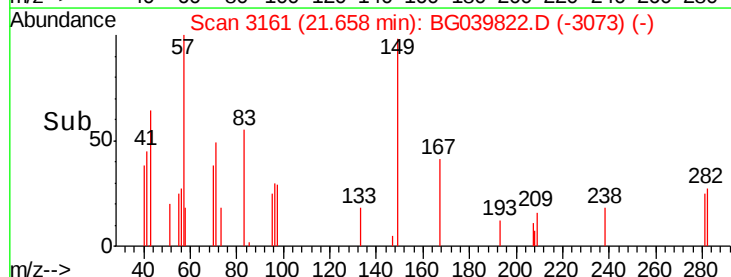
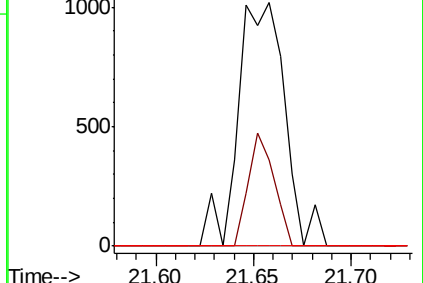
279 0.0 3.5 5.3#

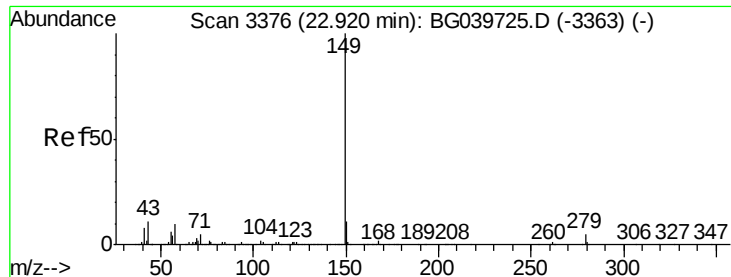


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

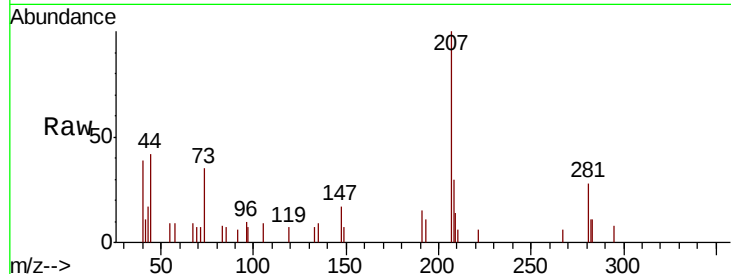




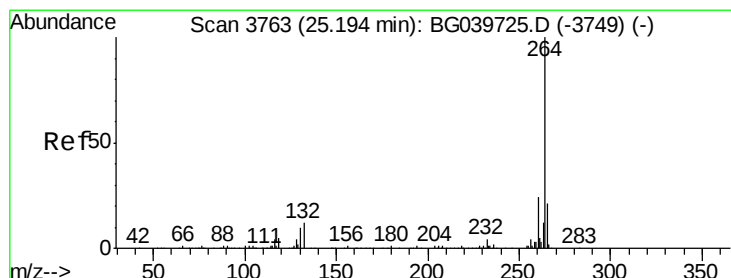
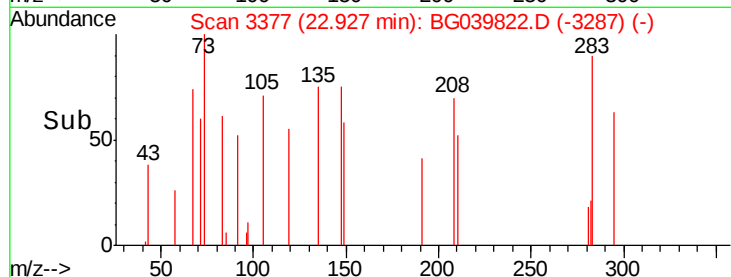
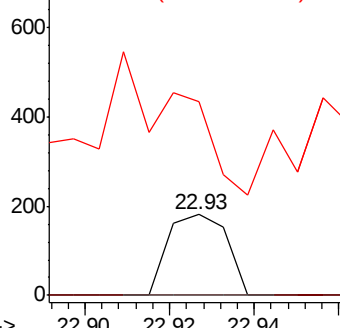
#85
Di-n-octyl phthalate
Concen: 0.008 ng
RT: 22.93 min Scan# 3377
Delta R.T. 0.00 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:149 Resp: 174
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 189.7 10.2 15.4#

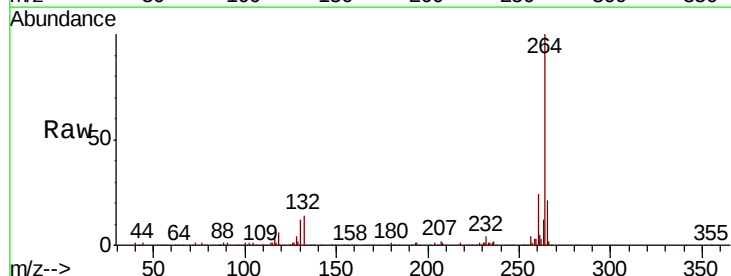


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

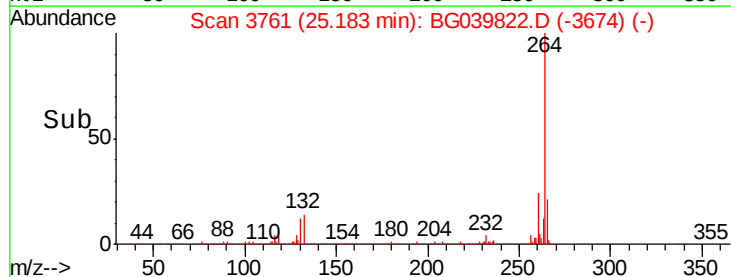
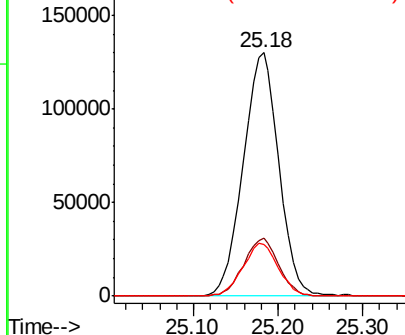


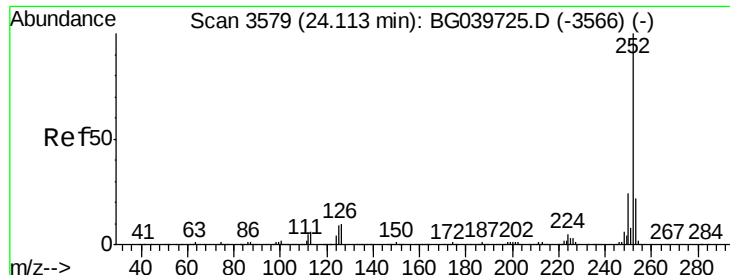
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.18 min Scan# 3761
Delta R.T. -0.02 min
Lab File: BG039822.D
Acq: 8 Mar 2019 15:38

Tgt Ion:264 Resp: 380836
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.4
265 21.1 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: 0.003 ng

RT: 24.10 min Scan# 3577

Delta R.T. -0.02 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

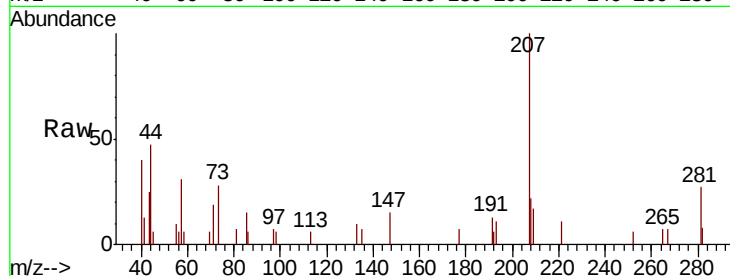
Tot Ion:252 Resp: 60

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

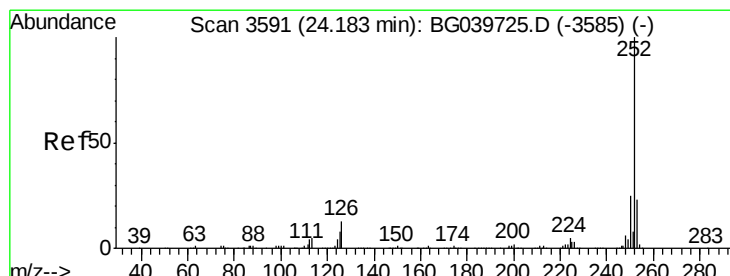
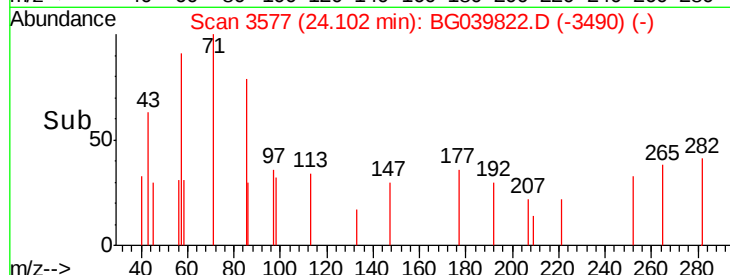
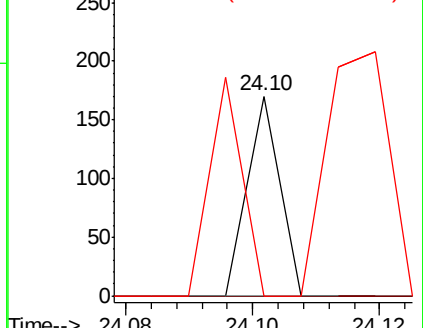
125 0.0 7.8 11.6#



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: 0.004 ng

RT: 24.13 min Scan# 3582

Delta R.T. -0.06 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

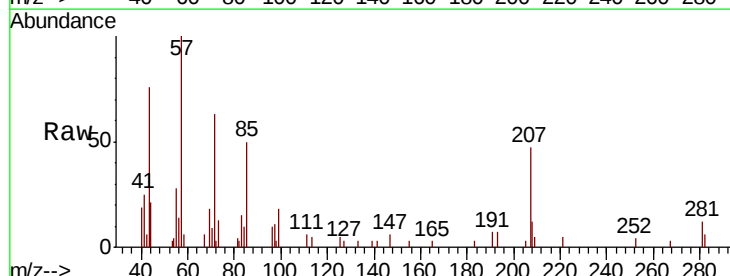
Tgt Ion:252 Resp: 81

Ion Ratio Lower Upper

252 100

253 0.0 18.2 27.2#

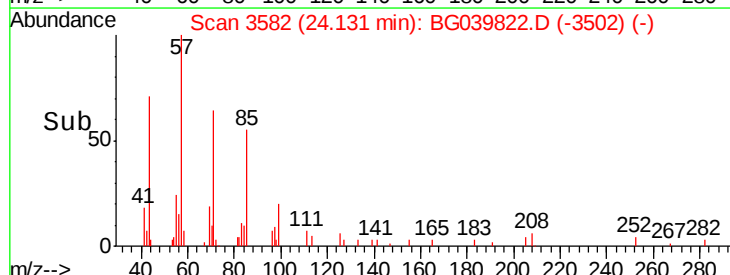
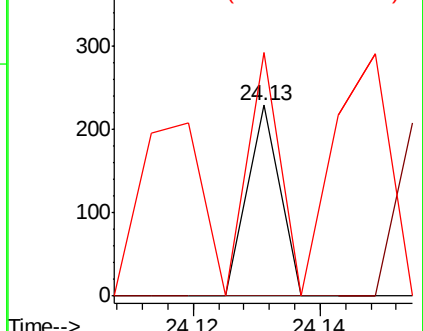
125 127.5 7.4 11.2#

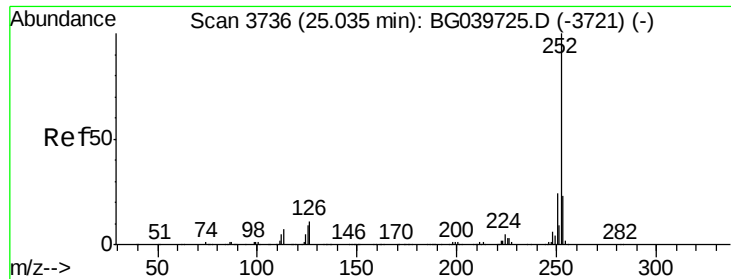


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.003 ng

RT: 25.02 min Scan# 3734

Delta R.T. -0.02 min

Lab File: BG039822.D

Acq: 8 Mar 2019 15:38

Instrument :

BNA_G

ClientSampleId :

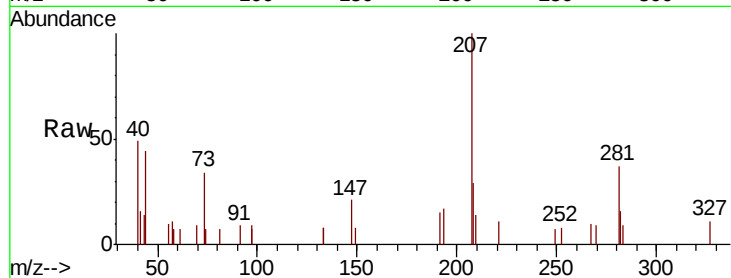
Tot Ion: 252 Resp: 58

Ion Ratio Lower Upper

252 100

253 0.0 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

